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Sixth Catalogue of Fundamental Stars
(FK6)

Part I

Basic Fundamental Stars with Direct Solutions

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Sixth Catalogue of Fundamental Stars (FK6)

Part I: Basic Fundamental Stars with Direct Solutions

R. Wielen, H. Schwan, C. Dettbarn, H. Lenhardt, H. Jahreiß, R. Jährling

Abstract

The FK6 is a suitable combination of the results of the HIPPARCOS astrometry satellite with ground-based data, measured over more than two centuries and summarized in the FK5. Part I of the FK6 (abbreviated FK6(I)) contains 878 basic fundamental stars with direct solutions. Such direct solutions are appropriate for single stars or for objects which can be treated like single stars.

From the 878 stars in Part I, we have selected 340 objects as ‘astrometrically excellent stars’, since their instantaneous proper motions and mean (time-averaged) ones do not differ significantly. Hence most of the astrometrically excellent stars are well-behaving ‘single-star candidates’ with good astrometric data. These stars are most suited for high-precision astrometry. On the other hand, 199 of the stars in Part I are $\Delta\mu$ binaries in the sense of Wielen et al. (1999a). Many of them are newly discovered probable binaries with no other hitherto known indication of binarity.

The FK6 gives, besides the classical ‘single-star mode’ solutions (SI mode), other solutions which take into account the fact that hidden astrometric binaries among ‘apparently single-stars’ introduce sizable ‘cosmic errors’ into the quasi-instantaneously measured HIPPARCOS proper motions and positions. The FK6 gives in addition to the SI mode the ‘long-term prediction (LTP) mode’ and the ‘short-term prediction (STP) mode’. These LTP and STP modes are on average the most precise solutions for apparently single stars, depending on the epoch difference with respect to the HIPPARCOS epoch of about 1991.

The typical mean error of an FK6(I) proper motion in the single-star mode is 0.35 mas/year. This is about a factor of two better than the typical HIPPARCOS errors for these stars of 0.67 mas/year. In the long-term prediction mode, in which

cosmic errors are taken into account, the FK6(I) proper motions have a typical mean error of 0.50 mas/year, which is by a factor of more than 4 better than the corresponding error for the HIPPARCOS values of 2.21 mas/year (cosmic errors included).

1. Introduction

The Sixth Catalogue of Fundamental Stars (FK6) is the result of the combination of data given in the HIPPARCOS Catalogue (ESA 1997) with data listed in the basic part of the Fifth Fundamental Catalogue (FK5 (Part I), Fricke et al. 1988). The HIPPARCOS Catalogue itself is based on the measurements obtained by the ESA Astrometry Satellite HIPPARCOS during the years from 1989 until 1993. The results for the basic FK5 stars are derived from ground-based observations carried out over a period of typically more than 200 years. The combined data for the stars given in the FK6 should be more accurate than both the direct HIPPARCOS data and the FK5 results.

2. Motivation for the construction of the FK6

The main purpose of the FK6 is to present for a sample of stars proper motions and positions of the highest accuracy which can be achieved at present. Former fundamental catalogues had two main goals: (1) to define the fundamental system of stellar positions and proper motions, and (2) to provide a list of stars with individually very accurate astrometric data. The first task of defining a celestial reference frame is now taken over by the HIPPARCOS Catalogue at optical wavelengths. However, the random (‘individual’) accuracy of proper motions and positions of many bright HIPPARCOS stars can be significantly improved by combining

the HIPPARCOS data with accurate ground-based measurements, such as available for the basic FK5 stars.

There are two main reasons why ground-based data are still able to improve especially the HIPPARCOS proper motions of bright stars:

(a) The large spread in the epochs of observations of more than two centuries, and the sufficiently high accuracy of many ground-based observations of bright stars allow us to derive proper motions which are often more accurate than the HIPPARCOS proper motions. Such accurate proper motions are especially the proper motions given in the FK5 and the proper motions derived from the HIPPARCOS and FK5 positions.

(b) The HIPPARCOS proper motions are obtained from positions observed during a short interval of time (about 3 years). They represent therefore nearly ‘instantaneously’ measured proper motions. The ground-based proper motions given in the FK5 are, in contrast to the HIPPARCOS proper motions, obtained from positions observed over typically more than 200 years. Hence the FK5 proper motions are essentially ‘mean’ proper motions, averaged over a long interval of time. For single stars, both types of proper motions (instantaneous ones and mean ones) should agree within the limits set by the measuring errors. However, many apparently single stars are in reality undetected astrometric binaries. Their observable photo-centers move non-linearly in time on a wavy curve. In this case, an instantaneously measured proper motion, such as a HIPPARCOS one, can differ significantly from a mean proper motion. We have called the difference between an instantaneous proper motion and the proper motion of the center-of-mass the ‘cosmic error’ of the instantaneous proper motion (Wielen 1997). For brighter stars, the cosmic error in the HIPPARCOS proper motions is typically three times larger than the measuring error of the HIPPARCOS proper motions, and is therefore in general very significant. The use of the ground-based data allows us to detect, and partially even to eliminate, such cosmic errors.

3. The use of the FK5 in the combination with HIPPARCOS

In principle one would like to combine all the ground-based positional catalogues directly with the HIPPARCOS Catalogue. Since many of the basic fundamental stars are observed in hundreds of observational catalogues, this task is very time-consuming, because the systematic errors in each observational catalogue have to be determined individually by a comparison of each catalogue with the HIPPARCOS data. We hope to do this in our project ‘FK7’. At present, we are using the FK5 as a ‘summary’ of the individual observational catalogues for the fundamental stars. This allowed us the production of the FK6 (as a combination of the FK5 with HIPPARCOS) within a reasonable time. We hope that the

introduction of the ground-based observations in form of the compilation catalogue FK5 causes only minor disadvantages with respect to a future ‘FK7’. One of the advantages of using the individual observational catalogues separately would be, however, to detect more easily non-linear motions of some of the stars.

4. The stars in Part I of the FK6 (Direct solutions)

Part I of the FK6 (abbreviated: FK6(I)) contains those 878 stars of the Basic FK5 for which a ‘direct solution’ for the combination with the HIPPARCOS data seemed appropriate to us. A direct solution is basically appropriate for single stars, but in general not for binaries. In a direct solution, we are using the HIPPARCOS data and the FK5 data without any individual changes (which we call ‘corrections’). The only change in the catalogue values of the FK5 is due to the systematic deviations of the FK5 system from the HIPPARCOS system (see Section 6).

The second part of the FK6 will mainly contain (known or suspected) double stars with ‘special solutions’. For double stars one has usually to ‘correct’ either the FK5 or the HIPPARCOS data for the effect of the binary nature of the object, before one can apply our combination method. To illustrate this we mention astrometric binaries which have orbital (O) solutions in the HIPPARCOS Catalogue, while the FK5 has treated them like single stars. In this case, the FK5 position represents the ‘mean’ position of the photo-center, whereas the HIPPARCOS position is that of the center-of-mass. Before combining the two catalogues, one has therefore to correct the FK5 position by subtracting the time-averaged difference between the photo-center (in V) and the center-of-mass. The derivation of these corrections and of similar ones for other types of binaries requires usually an individual discussion, star by star. This procedure is time-consuming and introduces furthermore an additional element of statistical treatment into the FK6. We have therefore decided to give the special solutions for basic FK5 stars in a separate Part II of the FK6.

In a sense, Part I of the FK6 contains the more ‘well-behaving’ stars. It is not true, however, that Part I contains single stars only. By purpose we have not removed from Part I those apparently single stars which we have identified as ‘ $\Delta\mu$ binaries’ (Wielen et al. 1999a) by means of their large individual cosmic errors. If we have no other indication for the duplicity of an object than a large cosmic error in the HIPPARCOS proper motion, we cannot apply any type of ‘correction’. Therefore we have to use a ‘direct’ solution for the combination. Hence such objects belong properly to Part I of the FK6.

We have furthermore included into Part I of the FK6 spectroscopic binaries *without* a known orbit. Such objects have

usually a radial velocity which is either certainly or probably variable in time, or they show a composite spectrum, indicating the presence of two stars. Eclipsing binaries are also retained in Part I. As for $\Delta\mu$ binaries, we cannot derive for such objects any meaningful ‘correction’ in position or proper motion. Hence we adopt for them also the direct solution and include them into Part I.

5. Astrometrically excellent stars

The highest astrometric accuracy can only be achieved and maintained for single stars. Most of the stars in Part I of the FK6 are objects for which we do not have a firm indication for a binary nature, neither from ground-based observations nor from HIPPARCOS measurements. The only exceptions, mentioned in Section 4, are objects identified as $\Delta\mu$ binaries, spectroscopic binaries without a known orbit, and eclipsing binaries. In order to identify the astrometrically ‘well-behaving’ stars in Part I we have introduced the flag ‘astrometrically excellent star’. We use three levels of excellence, similar to the ‘stars’ given in a famous guide for the excellence of restaurants.

The highest rank (***, $K_{ae} = 3$) of astrometrically excellence is given to those stars which fulfill the following two conditions:

- (1) the star is a ‘single-star candidate’ in the terminology of Wielen et al. (1999a),
- (2) the measuring errors $\varepsilon_{\Delta\mu,\alpha*}$ and $\varepsilon_{\Delta\mu,\delta}$ of the proper-motion differences $\Delta\mu_{FH}$ or $\Delta\mu_{0H}$ are small.

Quantitatively we use:

$$\varepsilon_{\Delta\mu,1D} = \left((\varepsilon_{\Delta\mu,\alpha*}^2 + \varepsilon_{\Delta\mu,\delta}^2) / 2 \right)^{1/2} < 2.00 \text{ mas/year.}$$

The condition (1) means that the test parameters F for the statistical significance of the four proper-motion differences $\Delta\mu_{FH}$, $\Delta\mu_{0F}$, $\Delta\mu_{0H}$, $\Delta\mu_{0(GC)H}$ are all below 2.49. Furthermore, we have no other indication whatsoever that the star is (or may be) a double star. The requirement (2) is useful in order to eliminate as many binaries as possible, since objects with large measuring errors in $\Delta\mu$ tend to give low values of F , thereby qualifying more easily as single-star candidates than objects with small measuring errors.

For the astrometrically excellent stars of the second rank (**, $K_{ae} = 2$), we drop the condition (2). However, all the relevant stars in the FK6(I) fulfill the condition (2). Nevertheless we define this rank here, because this category is adequate for other samples of less accurately measured stars (such as many GC stars).

In the lowest category of the astrometric excellence (*, $K_{ae} = 1$), the object has to fulfill the requirement (1) for the F values, but we now allow reports on a (possible) variability of the radial velocity. Many of these reports are either

unjustified (i.e. the radial velocity is actually constant, implying no spectroscopic binarity), or the radial-velocity variability is real but probably caused by other reasons than binarity (e.g. by stellar pulsations, stellar winds, circumstellar shells). In the case of $K_{ae} = 1$, the user should check the Note given by us for this star, and the information given by other catalogues or databases.

There are, of course, limitations to our classification of stars as being ‘astrometrically excellent’: We cannot exclude binaries from this sample with certainty. The F parameter is only a *statistical* measure for duplicity and refers only to the present measuring accuracy. Without any doubt, a higher astrometric measuring accuracy achieved in the future and more intense direct searches for duplicity will reveal the double-star nature of some of the stars which we presently classify as astrometrically excellent.

Part I of the FK6 contains 340 astrometrically excellent stars (***: 172 stars; **: none; *: 168 stars).

6. The system of the FK6

The FK6 is supposed to be on the internationally adopted reference system ICRS (IAU 1992, 1999) by our use of the HIPPARCOS system. The ICRS is primarily defined by 212 quasars observed at radio wavelengths. At optical wavelengths, the ICRS is represented by the system of the HIPPARCOS Catalogue (ESA 1997).

The link between the HIPPARCOS system and the ICRS was established by using radio stars and by optical observations of galaxies and a few quasars (ESA 1997). The HIPPARCOS system may still show a slight (unphysical) rotation with respect to the extragalactic ICRS system. The uncertainty in the link of the HIPPARCOS proper motions to the ICRS is estimated to be ± 0.25 mas/year in each component ($\mu_{\alpha*}$ and μ_{δ}). This systematical uncertainty is fully carried over to the FK6 proper motions. It is *not* included into the mean errors given in the FK6. The errors given in the FK6 represent only the random (‘individual’) errors of the corresponding quantities.

In order to have the final FK6 in the HIPPARCOS system, we brought first the positions and proper motions given in the FK5 onto the HIPPARCOS system, before we carried out the combination methods described in Section 9. We assume that the HIPPARCOS system is free from any systematic errors (except for errors in the link to the ICRS). This assumption is very probably justified on the level of accuracy required for the FK6.

The systematic differences between the basic FK5 and HIPPARCOS have been determined from the differences in position and proper motion of about 1200 basic FK5 stars.

These stars are identified in Field 81 of the FK6(I) Catalogue by a flag. The comparison FK5/HIPPARCOS was carried out at the epoch 1949.4, which is close to the average central epoch of the basic FK5 stars. The transformation of the HIPPARCOS data to this epoch was done rather strictly, using the assumption of a linear motion in time and in three-dimensional space. This includes automatically effects of sphericity and of the changing perspective (i.e., foreshortening). For these computations, we used the HIPPARCOS parallaxes p_H (Field 69 of the FK6(I) Catalogue) and the radial velocities v_{rad} given in Field 17 of the FK6(I) Catalogue.

At first, the FK5 was rigidly rotated into the HIPPARCOS system. Then the regional systematic differences in positions and proper motions were analytically derived by fitting the remaining differences by suitable functions (products of Legendre polynomials, Hermite polynomials, and Fourier terms), as described by Bien et al. (1978). The significance level for adopting additional functions was chosen to be 5 percent. This led to 42 functions for representing the deviations FK5 – HIPPARCOS in the system of positions at epoch 1949.4 in α_* , and to 23 functions in δ . For the correction of the proper-motion system of the FK5, we used 46 functions for μ_{α_*} , and 23 functions for μ_δ . The functions finally adopted depend on α and/or δ , but not on the apparent magnitude m of a star, since no magnitude equation was found for the basic FK5.

The full systematic differences FK5 – HIPPARCOS in positions and proper motions for 1949.4 are given for each star in the Fields 73–76 of the FK6 Catalogue. The systematic differences applied to the FK5 positions at the individual central epochs of each star are calculated from the systematic differences in position at 1949.4 and from the systematic differences in proper motion.

The method used to determine the systematic differences (Bien et al. 1978) gives, besides the differences themselves, also the uncertainty in these systematic differences in the form of their mean errors as a function of α and δ (and m , if necessary). These mean errors of the systematic differences for the FK6 stars are listed in the Fields 77–80 of the FK6(I) Catalogue. They have been used in calculating the total mean errors of the individual differences of the FK5 stars with respect to HIPPARCOS, which are obtained by subtracting the systematic differences from the total ones.

Finally we have confirmed by a comparison of the newly derived FK6(I) Catalogue with the HIPPARCOS Catalogue that the FK6 is very accurately on the HIPPARCOS/ICRS system, as it should be by construction.

7. The FK6 and statistical astrometry

The FK6 is the first catalogue in the series of catalogues of fundamental stars which has to make use of the concepts of

statistical astrometry (Wielen 1997). The reason for this complication is the fact that HIPPARCOS has reached such a high astrometric precision that many of the apparently single stars are now showing indications of being astrometric binaries. This effect introduces ‘cosmic errors’ mainly into the quasi-instantaneously measured HIPPARCOS proper motions and positions. For some of the FK6 stars, these cosmic errors are so large that the stars can be individually identified as ‘ $\Delta\mu$ binaries’ (Wielen et al. 1999a). For the majority of the FK6 stars, however, the cosmic errors are not *individually* significant but can be only shown to exist in a *statistical* way. Nevertheless, this statistical effect of the typical cosmic errors is so significant that it cannot be neglected in high-precision astrometry.

Former astrometric catalogues, including the fundamental ones, assumed for essentially all the stars that the objects are moving linearly in time on straight lines in space. This model is a very good approximation for the motion of truly single stars, but not for binaries. Of course, the FK5 gave for 7 of the 1535 basic stars the motion of the center-of-mass, and ephemerides for the positions of the components or of the photo-center with respect to the center-of-mass. These cases were, however, rare exceptions. For most of the suspected astrometric binaries among the FK6 stars, we are by no means able to derive Keplerian orbits for their photo-centers around their center-of-mass. Hence we are forced to tackle the problem in a statistical manner. We have to assume that an individual star behaves statistically like an average member of the sample. While this does not improve the accuracy of the FK6 results in each individual case, it gives more accurate results and a more precise error budget *on average*.

In Part I of the FK6, we give for each star three astrometric ‘solutions’ (which we call ‘modes’):

- (1) the single-star mode (abbreviated: SI mode),
- (2) the long-term prediction mode (LTP mode),
- (3) the short-term prediction mode (STP mode).

All the three solutions use models in which the star moves linearly in time. Hence the prediction of a stellar position for an arbitrary epoch t follows from a ‘central’ position $x(T_{x,c})$ at a ‘central’ epoch $T_{x,c}$ and a constant proper motion μ by

$$x(t) = x(T_{x,c}) + \mu(t - T_{x,c}), \quad (1)$$

if we neglect here the effects of sphericity and of foreshortening. In actual computations, the assumption of a constant velocity in three-dimensional space has to be used. In Eq. (1), x stands for one of the stellar coordinates (right ascension α or $\alpha_* = \alpha \cos \delta$, or declination δ), μ for the corresponding proper motion (μ_α or μ_{α_*} , or μ_δ), and $T_{x,c}$ is the central epoch in this coordinate.

The single-star mode is the classical solution for single stars. In this sense, all the data given in earlier fundamental (and other astrometric) catalogues were obtained in the single-star mode.

According to the principles of statistical astrometry (Wielen 1997, especially Sections 4.2.4 and 4.2.5) the most accurate prediction of an instantaneous position $x(t)$ requires non-linear functions, if we base our prediction on ‘instantaneously’ measured HIPPARCOS data and on ‘mean’ data from the FK5. However, for deriving these non-linear prediction we had to know the necessary correlation functions $\xi(\Delta t)$, $\eta(\Delta t)$, and $\zeta(\Delta t)$ rather accurately, which is not the case at present. The FK6 gives therefore the two limiting cases of the best non-linear prediction for epoch differences $|\Delta t|$ which are either large or small. The epoch difference Δt is measured relative to the mean epoch of the HIPPARCOS observations, $T_{x,H} \sim T_H = 1991.25$:

$$\Delta t = t - T_{x,H} . \quad (2)$$

The long-term prediction is valid for large values of $|\Delta t|$. It should be a good prediction for $x(t)$ for $|\Delta t|$ larger than about 10-20 years. The proper motion given in the long-term prediction should be close to that of the center-of-mass in the case of undetected astrometric binaries. The long-term mode makes primarily a prediction of the ‘mean’ position of the photo-center of the object. For large $|\Delta t|$ this is, however, also the statistically best prediction for the actual ‘instantaneous’ position of the photo-center at epoch t .

The short-term prediction is valid for small values of $|\Delta t|$, say for $|\Delta t|$ smaller than a few years. It is essentially the HIPPARCOS solution, but slightly improved by the additional information contained in the mean data given by the FK5.

The non-linear solution for $x(t)$ mentioned above would be a smooth transition from the short-term prediction for small $|\Delta t|$ to the long-term prediction for large $|\Delta t|$.

8. Which of the solutions given in the FK6 should be adopted by a user ?

The FK6 gives three types of solutions explained in Section 7 and 9: the single-star mode, the long-term prediction, and the short-term prediction. Which of them should be adopted by a user of the FK6 for a given application ?

If the user is working with a sample of ‘apparently single FK6 stars’, e.g. with all the stars in Part I, and if he is interested in epochs t with large values of $|\Delta t|$, the long-term prediction (LTP) should give the best results and the most honest error budget. For small values of $|\Delta t|$, he should use either the short-term prediction (STP) or the HIPPARCOS solutions directly.

If he is confident that the objects used are very probably single stars, the single-star (SI) mode is most appropriate.

For the sample of astrometrically excellent stars, from which we have eliminated the $\Delta\mu$ binaries, the single-star (SI) mode is probably the best choice.

Depending on the value of $|\Delta t|$, a comparison between the results of the single-star mode with those of the long-term or short-term predictions may be used as an indication of how severe the effect of undetected astrometric binaries could be.

9. Methods for combination used in the FK6

9.1 Single-star mode

The methods applicable to the combination of the FK5 with HIPPARCOS have been described for the single-star mode in detail by Wielen et al. (1999b).

In the analytic approach, the combination is essentially produced by taking weighted averages. The combined central position $x_{FK6}(T_{x,FK6})$ is the weighted average of the FK5 position and the HIPPARCOS position, and the combined central epoch $T_{x,FK6}$ is the weighted average of the central epochs of the FK5 and HIPPARCOS. Both for positions and central epochs, the weights of the positions have to be used. For deriving the combined proper motion, one has to define the additional proper motion $\mu_{x,0}$ by

$$\mu_{x,0} = \frac{x_H(T_{x,H}) - x_F(T_{x,F})}{T_{x,H} - T_{x,F}} , \quad (3)$$

where $x_F(T_{x,F})$ and $x_H(T_{x,H})$ are the central positions of the FK5 and HIPPARCOS at the central epoch $T_{x,F}$ and $T_{x,H}$. The combined proper motion $\mu_{x,FK6}$ is obtained as the weighted average of the three proper motions $\mu_{x,F}$, $\mu_{x,H}$, and $\mu_{x,0}$, where $\mu_{x,F}$ and $\mu_{x,H}$ are the proper motions given by the FK5 and by HIPPARCOS for the coordinate x . In taking this average, the corresponding weights of $\mu_{x,F}$, $\mu_{x,H}$, and $\mu_{x,0}$ have to be used.

In the FK6, we have used the numerical approach described by Wielen et al. (1999b (Sect. 3)). In contrast to the analytic approach, the numerical one is able to take fully into account the correlations between the five astrometric parameters given in the HIPPARCOS Catalogue (ESA 1997). We have added a slight improvement to the formulae given by Wielen et al. (1999b (Sect. 3)). In order to take into account (a) the slow rotation of the $\alpha\delta$ directions during the motion of a star on its celestial orbit on a great circle, relative to the local direction of this great circle, and (b) the foreshortening effect, we have used the following design matrix \mathbf{A} instead of that given by Eq. 47 of Wielen et al. (1999b):

$$\mathbf{A} = \begin{pmatrix} \cos \Delta\varphi_H & \sin \Delta\varphi_H & K_1(\Delta T_H)\Delta T_H \cos \Delta\varphi_H & K_1(\Delta T_H)\Delta T_H \sin \Delta\varphi_H & 0 \\ -\sin \Delta\varphi_H & \cos \Delta\varphi_H & -K_1(\Delta T_H)\Delta T_H \sin \Delta\varphi_H & K_1(\Delta T_H)\Delta T_H \cos \Delta\varphi_H & 0 \\ 0 & 0 & K_2(\Delta T_H) \cos \Delta\varphi_H & K_2(\Delta T_H) \sin \Delta\varphi_H & 0 \\ 0 & 0 & -K_2(\Delta T_H) \sin \Delta\varphi_H & K_2(\Delta T_H) \cos \Delta\varphi_H & 0 \\ 0 & 0 & 0 & 0 & K_1(T_H) \\ \cos \Delta\varphi_{\alpha,F} & \sin \Delta\varphi_{\alpha,F} & K_1(\Delta T_{\alpha,F})\Delta T_{\alpha,F} \cos \Delta\varphi_{\alpha,F} & K_1(\Delta T_{\alpha,F})\Delta T_{\alpha,F} \sin \Delta\varphi_{\alpha,F} & 0 \\ -\sin \Delta\varphi_{\delta,F} & \cos \Delta\varphi_{\delta,F} & -K_1(\Delta T_{\delta,F})\Delta T_{\delta,F} \sin \Delta\varphi_{\delta,F} & K_1(\Delta T_{\delta,F})\Delta T_{\delta,F} \cos \Delta\varphi_{\delta,F} & 0 \\ 0 & 0 & K_2(\Delta T_{\alpha,F}) \cos \Delta\varphi_{\alpha,F} & K_2(\Delta T_{\alpha,F}) \sin \Delta\varphi_{\alpha,F} & 0 \\ 0 & 0 & -K_2(\Delta T_{\delta,F}) \sin \Delta\varphi_{\delta,F} & K_2(\Delta T_{\delta,F}) \cos \Delta\varphi_{\delta,F} & 0 \end{pmatrix}. \quad (4)$$

The rotation of the $\alpha\delta$ coordinate system as a function of time along the celestial orbit of a star is important for stars in the neighbourhood of the celestial poles. The angle $\varphi(t)$ is the instantaneous position angle of the proper-motion vector at epoch t , measured with respect to the direction towards the equatorial north pole,

$$\tan \varphi = \mu_\alpha \cos \delta / \mu_\delta = \mu_{\alpha*} / \mu_\delta. \quad (5)$$

The differences $\Delta\varphi$ are defined as

$$\Delta\varphi_H = \varphi(T_H) - \varphi(T_{ref}), \quad (6)$$

$$\Delta\varphi_{\alpha,F} = \varphi(T_{\alpha,F}) - \varphi(T_{ref}), \quad (7)$$

$$\Delta\varphi_{\delta,F} = \varphi(T_{\delta,F}) - \varphi(T_{ref}). \quad (8)$$

$T_H = 1991.25$ is the mean epoch of the HIPPARCOS Catalogue. The epochs $T_{\alpha,F}$ and $T_{\delta,F}$ are the central epochs of the FK5 in α and δ . The epoch T_{ref} is the arbitrary reference epoch at which the combined results of the FK6 (the 'unknowns', see Wielen et al. 1999b, Section 3) are primarily determined. Usually we use $T_{ref} = T_H$. As an approximation for $\varphi(t)$, we adopt

$$\varphi(t) = \varphi_H(T_H) + \dot{\varphi}_H(T_H) (t - T_H) + \frac{1}{2} \ddot{\varphi}_H(T_H) (t - T_H)^2, \quad (9)$$

with

$$\dot{\varphi}_H(T_H) = \mu_{\alpha*,H}(T_H) \tan \delta_H(T_H), \quad (10)$$

$$\ddot{\varphi}_H(T_H) = \mu_{\alpha*,H}(T_H) \mu_{\delta,H}(T_H) (\tan^2 \delta_H(T_H) + \sec^2 \delta_H(T_H)). \quad (11)$$

The quantities φ , $\dot{\varphi}$, $\mu_{\alpha*}$, μ_δ , and $\ddot{\varphi}$ have to be measured here in radians, radians/year, and radians/year². The index H at δ_H , $\mu_{\alpha*,H}$, and $\mu_{\delta,H}$ indicates that we are using in our approximation the values given by HIPPARCOS.

The epoch differences in \mathbf{A} (Eq. 4) are given by

$$\Delta T_H = T_H - T_{ref}, \quad (12)$$

$$\Delta T_{\alpha,F} = T_{\alpha,F} - T_{ref}, \quad (13)$$

$$\Delta T_{\delta,F} = T_{\delta,F} - T_{ref}. \quad (14)$$

The coefficients K_1 and K_2 take into account the first order effect of the foreshortening. This is sufficient, since we are discussing here only small corrections to the fully transformed HIPPARCOS solutions. The coefficients are given by

$$K_1(\Delta T) = (1 - k \Delta T), \quad (15)$$

$$K_2(\Delta T) = (1 - 2k \Delta T), \quad (16)$$

with

$$k = 1.023 \cdot 10^{-9} [\text{year}^{-1}] v_{rad} [\text{km/s}] p_H [\text{mas}]. \quad (17)$$

p_H is the parallax in mas, taken from HIPPARCOS, and v_{rad} is the radial velocity in km/s, given in Field 17 of the FK6 Catalogue.

Instead of the full vector of observations \mathbf{b} (see Eqs. (37), (40), and (42) of Wielen (1999b)), we use the difference $\Delta\mathbf{b}$ between the actual value \mathbf{b} and the HIPPARCOS values at the corresponding epoch:

$$\Delta\mathbf{b} = \begin{pmatrix} \alpha_{*,H}(T_H) \\ \delta_H(T_H) \\ \mu_{\alpha*,H}(T_H) \\ \mu_{\delta,H}(T_H) \\ p_H \\ \alpha_{*,F}(T_{\alpha,F}) \\ \delta_F(T_{\delta,F}) \\ \mu_{\alpha*,F}(T_{\alpha,F}) \\ \mu_{\delta,F}(T_{\delta,F}) \end{pmatrix} - \begin{pmatrix} \alpha_{*,H}(T_H) \\ \delta_H(T_H) \\ \mu_{\alpha*,H}(T_H) \\ \mu_{\delta,H}(T_H) \\ p_H \\ \alpha_{*,H}(T_{\alpha,F}) \\ \delta_H(T_{\delta,F}) \\ \mu_{\alpha*,H}(T_{\alpha,F}) \\ \mu_{\delta,H}(T_{\delta,F}) \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \Delta\alpha_{*,F-H}(T_{\alpha,F}) \\ \Delta\delta_{F-H}(T_{\delta,F}) \\ \Delta\mu_{\alpha*,F-H}(T_{\alpha,F}) \\ \Delta\mu_{\delta,F-H}(T_{\delta,F}) \end{pmatrix}. \quad (18)$$

The HIPPARCOS data at the epochs $T_{\alpha,F}$ and $T_{\delta,F}$ are obtained from the original HIPPARCOS data at epoch $T_H = 1991.25$ by epoch transformations.

In the same way, the full vector of unknowns \mathbf{c} is replaced by the difference $\Delta\mathbf{c}$ between the unknowns at epoch T_{ref}

and the HIPPARCOS values for this epoch:

$$\begin{aligned} \Delta \mathbf{c} &= \begin{pmatrix} \alpha_{*,FK6}(T_{ref}) \\ \delta_{FK6}(T_{ref}) \\ \mu_{\alpha^*,FK6}(T_{ref}) \\ \mu_{\delta,FK6}(T_{ref}) \\ p_{FK6} \end{pmatrix} - \begin{pmatrix} \alpha_{*,H}(T_{ref}) \\ \delta_H(T_{ref}) \\ \mu_{\alpha^*,H}(T_{ref}) \\ \mu_{\delta,H}(T_{ref}) \\ p_H \end{pmatrix} \\ &= \begin{pmatrix} \Delta\alpha_{*,FK6-H}(T_{ref}) \\ \Delta\delta_{FK6-H}(T_{ref}) \\ \Delta\mu_{\alpha^*,FK6-H}(T_{ref}) \\ \Delta\mu_{\delta,FK6-H}(T_{ref}) \\ \Delta p_{FK6-H} \end{pmatrix}. \end{aligned} \quad (19)$$

In the actual applications, we used $T_{ref} = T_H = 1991.25$.

The equations of condition have the form

$$\Delta \mathbf{b} = \mathbf{A} \Delta \mathbf{c} + \mathbf{v}, \quad (20)$$

where \mathbf{v} is the vector of the residuals. The normal equations for $\Delta \mathbf{c}$ follow as

$$\mathbf{A}^T \mathbf{P} \mathbf{A} \Delta \mathbf{c} = \mathbf{A}^T \mathbf{P} \Delta \mathbf{b}, \quad (21)$$

where \mathbf{P} is the properly derived matrix of weights (see Wielen et al. 1999b, Eq. (44)). Since the employment of the HIPPARCOS solution as ‘guiding values’ in Eqs. (18) and (19) is done only for numerical convenience, the matrix \mathbf{P} is based on the original errors and correlations of the elements of \mathbf{b} , not of $\Delta \mathbf{b}$. The final FK6 solution is derived by adding $\Delta \mathbf{c}(T_{ref})$ to the HIPPARCOS values at epoch T_{ref} , and by a full epoch transformation of the resulting vector $\mathbf{c}(T_{ref})$ to the epoch J2000.0. As for \mathbf{P} , the variance-covariance matrix $\mathbf{D}_{FK6}(T_{ref})$ refers to \mathbf{c} , not to $\Delta \mathbf{c}$:

$$\mathbf{D}_{FK6} = (\mathbf{A}^T \mathbf{P} \mathbf{A})^{-1}. \quad (22)$$

9.2 Long-term prediction

The method for obtaining the long-term prediction will be derived in a forthcoming paper (Wielen et al. 2000). The theoretical basis are the principles of statistical astrometry (Wielen 1997). We describe here the applied procedure without giving a proof for its validity.

For deriving the long-term prediction (LTP), we use the same method of combination as used for the single-star (SI) mode (described in Section 9.1), with a modification which is technically a minor one (but of significant scientific relevance). We replace the original measuring errors ε_H of the HIPPARCOS positions and proper motions (used in SI mode) by fictitious measuring errors $\varepsilon_{H,LTP}$ (used in the LTP mode) which are the quadratic sum of the original measuring errors and of the appropriate cosmic errors c_x or c_μ . For the HIPPARCOS position, this means

$$\varepsilon_{\alpha^*,H,LTP}^2 = \varepsilon_{\alpha^*,H}^2 + c_x^2, \quad (23)$$

$$\varepsilon_{\delta,H,LTP}^2 = \varepsilon_{\delta,H}^2 + c_x^2. \quad (24)$$

For the HIPPARCOS proper motions, we use in the LTP mode

$$\varepsilon_{\mu,\alpha^*,H,LTP}^2 = \varepsilon_{\mu,\alpha^*,H}^2 + c_\mu^2, \quad (25)$$

$$\varepsilon_{\mu,\delta,H,LTP}^2 = \varepsilon_{\mu,\delta,H}^2 + c_\mu^2. \quad (26)$$

The quantities c_x and c_μ are the cosmic errors of the positions and proper motions of the quasi-instantaneously measured HIPPARCOS positions and proper motions. As an approximation, we assume that the FK5 represents a mean catalogue, averaged over a very long interval of time. In other words, we neglect the cosmic errors in the FK5 positions and proper motions.

The cosmic errors in the HIPPARCOS data have been discussed in various papers (Wielen 1995a, 1995b, 1997, Wielen et al. 1997, 1998, 1999c). For about 1200 ‘apparently single stars’ from the basic FK5, we have obtained the one-dimensional cosmic error c_μ in the HIPPARCOS proper motions. It is $c_\mu \sim 2.13$ mas/year on average. This value has been confirmed essentially by using other catalogues for comparison with HIPPARCOS, such as the GC (Boss et al. 1937), the FK3 (Kopff 1937,1938), or the FK4 (Fricke et al. 1963). It is more difficult to obtain a reliable value for the cosmic error c_x of the HIPPARCOS positions, since the probable value of c_x of about 10-20 mas is difficult to be separated from errors in the proper motions (see Wielen et al. 1997, Section 2.3, especially Table 2 for $T_H = 1991.25$). We use on average $c_x \sim 13$ mas.

The cosmic errors depend strongly on the distance r of a star from the Sun. We replace here the distance r by the parallax p of the star. The stellar parallaxes used are listed in Field 14 of the FK6(I) Catalogue and are explained in Section 12. We have determined the functions $c_x(p)$ and $c_\mu(p)$ empirically by using groups of basic FK5 stars in various distance intervals. We have adopted the following fit functions for $c_\mu(p)$ and $c_x(p)$:

$$c_\mu = \left(\frac{C_1 p}{(C_2^2 + p^2)^{1/2}} \right)^{1/2}, \quad (27)$$

$$c_x = C_3 c_\mu, \quad (28)$$

where the constants C_1 , C_2 , C_3 are given by

$$C_1 = 9.30 \text{ (mas/year)}^2 \sim (3.05 \text{ mas/year})^2, \quad (29)$$

$$C_2 = 22.14 \text{ mas}, \quad (30)$$

$$C_3 = 5.93 \text{ years}. \quad (31)$$

Table 1 gives the cosmic errors $c_\mu(p)$ and $c_x(p)$ for a few selected values of the parallax p , both in angular units (mas/year and mas) and absolute units (km/s and AU). The asymptotic behaviour of $c_\mu(p)$ and $c_x(p)$ is such that both cosmic errors tend to zero for large distances r or small parallaxes p , if measured in angular units. For nearby stars with large parallaxes, c_μ and c_x tend towards constant values, about 3 mas/year in proper motion and 18 mas in position. However, the function $c_\mu(p)$ is empirically based mainly on stars with parallaxes in

Table 1. Adopted cosmic errors $c_\mu(p)$ and $c_x(p)$ in the HIPPARCOS proper motions and positions as a function of the parallax p

| parallax p [mas] | distance r [pc] | cosmic errors | | | |
|--------------------------|-------------------------|---------------|--------|----------|------|
| | | $c_\mu(p)$ | | $c_x(p)$ | |
| | | [mas/year] | [km/s] | [mas] | [AU] |
| 1 | 1000 | 0.65 | 3.07 | 4 | 3.8 |
| 2 | 500 | 0.91 | 2.17 | 5 | 2.7 |
| 5 | 200 | 1.43 | 1.36 | 8 | 1.7 |
| 10 | 100 | 1.96 | 0.93 | 12 | 1.2 |
| 20 | 50 | 2.50 | 0.59 | 15 | 0.74 |
| 50 | 20 | 2.92 | 0.28 | 17 | 0.35 |
| 100 | 10 | 3.01 | 0.14 | 18 | 0.18 |
| 200 | 5 | 3.04 | 0.07 | 18 | 0.09 |

the range of 3 mas to 100 mas. Outside this range, $c_\mu(p)$ is highly uncertain. Furthermore, $c_x(p)$ is much more uncertain than $c_\mu(p)$.

The cosmic errors in the positions and in the proper motions, and in the directions α_* and δ , are supposed to be uncorrelated. The variance-covariance matrix $\mathbf{D}_H(T_H)$ of the HIPPARCOS data (see Section 3 of Wielen et al. 1999b) for the LTP differs from that of the SI mode therefore only in the first four diagonal elements (described now by Eqs. (23)-(26)). All the non-diagonal elements of \mathbf{D}_H remain the same as in the SI mode. The corresponding correlation coefficients ρ_H are, of course, smaller in the LTP than the original ones used in the SI mode. In summary, we use in the LTP

$$\mathbf{D}_{H,LTP} = \mathbf{D}_{H,SI} + \begin{pmatrix} c_x^2 & 0 & 0 & 0 & 0 \\ 0 & c_x^2 & 0 & 0 & 0 \\ 0 & 0 & c_\mu^2 & 0 & 0 \\ 0 & 0 & 0 & c_\mu^2 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix}, \quad (32)$$

while \mathbf{D}_F remains unchanged.

In deriving the long-term prediction, it is not appropriate to try to improve the parallax. The reason is the following: In computing the parallax from the HIPPARCOS observations, one has to use the ‘instantaneous’ position and proper motion of the star, not the ‘mean’ ones. In order not to change the parallax p in the LTP, one has various possibilities: (a) to drop all the terms containing the parallax p from all the relevant equations, (b) to set all the correlations between p and other quantities equal to zero, or (c) to give the parallax an extremely high weight, formally equal to infinity, i.e. a mean error of nearly zero. Technically, we have adopted the alternative (a), and checked it with (c).

9.3 Short-term prediction

The method of obtaining the short-term prediction (STP) will also be derived in the paper by Wielen et al. (2000). The modification of the method used for the single-star mode is more severe in the case of the short-term prediction than for the long-term prediction.

The short-term prediction can be viewed as a Taylor series (up the term linear in time) for the instantaneous position of a star in a short interval of time around a chosen epoch $T_{x,STP}$. We adopt $T_{x,STP} = T_{x,H} \sim T_H = 1991.25$, since HIPPARCOS is giving quasi-instantaneous data for this epoch. The short-term prediction given in the FK6 is therefore a slightly modified HIPPARCOS solution. In the STP, the FK5 data and the additional proper motion μ_0 (Eq. 3) must now be viewed as subjected to the cosmic errors c_μ and c_x .

As a very good approximation, we neglect in the STP the FK5 positions, except for using them in deriving the proper motion μ_0 (Eq. 3). This is justified by the fact that the measuring error of a HIPPARCOS position is always much smaller than the quadratic sum of the measuring error of an FK5 position and of c_x .

In the short-term prediction, we use therefore as the basic ‘observations’ the HIPPARCOS position, the HIPPARCOS proper motion, the FK5 proper motion (but not the FK5 position) and the proper motion μ_0 , in α_* and δ , and the HIPPARCOS parallax. We replace in the STP the original mean errors of the proper motion μ_F , used in the SI mode, by

$$\varepsilon_{\mu,\alpha^*,F,STP}^2 = \varepsilon_{\mu,\alpha^*,F}^2 + c_\mu^2, \quad (33)$$

$$\varepsilon_{\mu,\delta,F,STP}^2 = \varepsilon_{\mu,\delta,F}^2 + c_\mu^2. \quad (34)$$

For the errors of μ_0 in the STP, we have to include the cosmic error c_x in the FK5 position:

$$\varepsilon_{\mu,\alpha^*,0,STP}^2 = \varepsilon_{\mu,\alpha^*,0}^2 + c_\mu^2 + \frac{c_x^2}{(T_{\alpha,H} - T_{\alpha,F})^2}, \quad (35)$$

$$\varepsilon_{\mu,\delta,0,STP}^2 = \varepsilon_{\mu,\delta,0}^2 + c_\mu^2 + \frac{c_x^2}{(T_{\delta,H} - T_{\delta,F})^2}. \quad (36)$$

In the variance-covariance matrix \mathbf{D} , we have to take into account that μ_F and μ_0 are both ‘mean’ proper motions which suffer from the *same* cosmic error c_μ . The corresponding non-diagonal elements of \mathbf{D} (for $\mu_{\alpha^*,F}$, $\mu_{\alpha^*,0}$ and for $\mu_{\delta,F}$, $\mu_{\delta,0}$) are therefore equal to c_μ^2 , corresponding to a correlation coefficient of one, if no other error besides the cosmic one would exist. The very small correlations between the HIPPARCOS data and μ_0 are neglected in the STP.

10. Error budget of Part I of the FK6

The following Tables 2–9 give the error budget for the stars in Part I of the FK6 in form of the root-mean-squared (rms)

averages of the values for the individual stars. We give the errors separately for α_* and δ , and we have formed a ‘mean’ value for one coordinate by taking the rms average over α_* and δ . The typical ratio between the mean errors in the HIPPARCOS Catalogue and in Part I of the FK6 is formed from the rms averages given above. For the positions, the mean errors are valid at the individual central epochs T . The mean values of T given in these tables are direct means over the individual epochs.

Table 2 indicates a typical mean error of a proper motion in the single-star mode of the FK6(I) of 0.35 mas/year. This is about a factor of two better than the typical HIPPARCOS precision in μ of 0.67 mas/year (factor of 2.1 in μ_{α_*} , 1.7 in μ_δ , 1.9 on average). With respect to the FK5, the FK6 proper motions are better by a factor of 2.4. We remark here that the improvement by a factor of about two was always typical for two consecutive catalogues of fundamental stars. The FK6 proper motions in the SI mode have also reached again the stage where the systematic uncertainty in the proper-motion system of about 0.25 mas/year (see Section 6) is nearly the same as the random (‘individual’) mean error of a single proper motion. Therefore, an overall improvement of proper motions in the future would have to concern both kinds of remaining uncertainties, i.e. systematic and random errors.

The astrometrically excellent stars do not have on average better mean errors of their astrometric quantities (Tables 3 and 7) than all the stars in Part I (Tables 2 and 6). However, the advantage of the astrometrically excellent stars with respect to the non-excellent objects is their expected single-star nature (i.e. they should have no or only small cosmic errors in their proper motions).

The error budget of the stars in the long-term prediction (LTP) mode is very favourable for the FK6 (Table 4). If we include the empirically determined cosmic errors into the total errors of the HIPPARCOS proper motions, then the FK6 proper motions in the LTP mode have mean errors which are better than the HIPPARCOS proper motions by a factor of more than four (4.5). This is certainly a remarkable fact, and favours strongly the use of the FK6-LTP mode for ‘apparently single stars’.

In contrast to the SI and LTP modes, the short-term prediction (STP) mode of the FK6 (Table 5) represents only a minor improvement with respect to the HIPPARCOS proper motions, by typically about 10% in the mean errors. This is not unexpected, since here the proper motions μ_{FK5} and μ_0 are affected by the cosmic errors. This produces then only a small contribution of these proper motions to the overall STP proper motions.

Due to the high accuracy of the HIPPARCOS positions at the HIPPARCOS epoch $T_H = 1991.25$, the central epochs T_{FK6} and the mean errors of the FK6 positions at T_{FK6} dif-

fer insignificantly from the values provided by HIPPARCOS (Tables 6, 7, and 9). The only exception is the long-term prediction (LTP) mode. For the LTP mode, the cosmic errors in the HIPPARCOS positions are relevant. The typical central epoch of the FK6-LTP solutions is about 1980. The typical mean error of the position at this epoch is better by about 20% with respect to the HIPPARCOS value, if the contribution of the cosmic errors is taken into account.

For the accuracy of the prediction of positions at epochs which differ from $T_H = 1991.25$ by more than a few years, the proper motions are completely governing the error budget of the SI mode. For example, for an epoch difference $\Delta T = |T - T_H| = 10$ years, the contribution of the proper motion is about 3.5 mas, while the central position contributes 0.5 mas only. This emphasizes the importance of the gain by a factor of two (Table 2) in the accuracy of the FK6-SI proper motions with respect to HIPPARCOS: The mean errors of positions predicted by the FK6-SI mode are always better by a factor of about two with respect to HIPPARCOS for epoch differences ΔT of more than a few years.

The situation is more complex for the long-term prediction (LTP) mode. The contribution of the FK6-LTP proper motions to the mean error of a predicted *mean* position reaches the contribution of the central position only after about 30 years, measured with respect to the central epoch of about 1980. For the prediction of an *instantaneous* position, this time interval is even longer, about 50 years. In spite of this fact, the improvement in the proper-motion accuracy by a factor of 4.5 (FK6-LTP with respect to HIPPARCOS with cosmic errors, Table 4) gives usually significantly more precise predictions of positions for ‘apparently single stars’ by the FK6-LTP mode than the use of HIPPARCOS data, if the cosmic errors are taken into account. In any case, for ‘apparently single stars’, the use of the FK6-LTP data should give a much more reliable error estimate for the predicted position than the simple use of the direct HIPPARCOS results (i.e., without considering cosmic errors).

While the Tables 2–9 describe the average accuracy of the stars in Part I of the FK6, we would like to illustrate also the range of accuracy by a few examples.

The most precise proper motion in the single-star mode is obtained for FK 741 = HIP 97 278 = γ Aql with $\varepsilon_{\mu, \alpha_*} = 0.20$ mas/year and $\varepsilon_{\mu, \delta} = 0.18$ mas/year. Because of $F_{0(GC)H} = 2.71$, γ Aql does not fully meet the criterion for an astrometrically excellent star. The most precise SI proper motion for an astrometrically excellent stars is that of FK 688 = HIP 89 962 = η Ser = Gliese 711 with 0.20 and 0.21 mas/year. Gliese 711 is a nearby K0 giant with $p_H = 52.81$ mas.

The least precise star in Part I of the FK6 is FK 1528 = HIP 100 151, located in the southern sky ($\delta \sim -48^\circ$), with $\varepsilon_{\mu, \alpha_*} = 0.82$ mas/year and $\varepsilon_{\mu, \delta} = 0.65$ mas/year. It is not a single-star candidate, and its radial velocity may be variable

Table 2. Error budget for the proper motions of all the 878 stars in Part I of the FK6 in the single-star mode (SI mode)

| rms average of the mean errors of the proper motions (units: mas/year) | | | |
|---|------------------|----------------|-------------|
| mean error of: | μ_{α^*} | μ_{δ} | rms average |
| HIPPARCOS | | | |
| random | 0.75 | 0.58 | 0.67 |
| FK5 | | | |
| random | 0.75 | 0.82 | 0.79 |
| system | 0.33 | 0.23 | 0.28 |
| total | 0.82 | 0.85 | 0.84 |
| μ_0 | | | |
| random | 0.53 | 0.56 | 0.55 |
| system | 0.30 | 0.18 | 0.25 |
| total | 0.61 | 0.59 | 0.60 |
| FK6 | | | |
| random | 0.36 | 0.34 | 0.35 |
| ratio of HIPPARCOS to FK6 errors | 2.1 | 1.7 | 1.9 |

Table 4. Error budget for the proper motions of all the 878 stars in Part I of the FK6 in the long-term prediction mode (LTP mode)

| rms average of the mean errors of the proper motions (units: mas/year) | | | |
|---|------------------|----------------|-------------|
| mean error of: | μ_{α^*} | μ_{δ} | rms average |
| HIPPARCOS | | | |
| random | 0.75 | 0.58 | 0.67 |
| cosmic | 2.10 | 2.10 | 2.10 |
| total | 2.23 | 2.18 | 2.21 |
| FK5 | | | |
| random | 0.75 | 0.82 | 0.79 |
| system | 0.33 | 0.23 | 0.28 |
| total | 0.82 | 0.85 | 0.84 |
| μ_0 | | | |
| random | 0.53 | 0.56 | 0.55 |
| system | 0.30 | 0.18 | 0.25 |
| total | 0.61 | 0.59 | 0.60 |
| FK6 | | | |
| random | 0.50 | 0.49 | 0.50 |
| ratio of HIPPARCOS to FK6 errors | 4.5 | 4.4 | 4.5 |

Table 3. Error budget for the proper motions of the 340 astrometrically excellent stars in Part I of the FK6 in the single-star mode (SI mode)

| rms average of the mean errors of the proper motions (units: mas/year) | | | |
|---|------------------|----------------|-------------|
| mean error of: | μ_{α^*} | μ_{δ} | rms average |
| HIPPARCOS | | | |
| random | 0.75 | 0.58 | 0.67 |
| FK5 | | | |
| random | 0.77 | 0.85 | 0.81 |
| system | 0.33 | 0.23 | 0.28 |
| total | 0.84 | 0.88 | 0.86 |
| μ_0 | | | |
| random | 0.55 | 0.58 | 0.57 |
| system | 0.31 | 0.19 | 0.26 |
| total | 0.63 | 0.61 | 0.62 |
| FK6 | | | |
| random | 0.36 | 0.34 | 0.35 |
| ratio of HIPPARCOS to FK6 errors | 2.1 | 1.7 | 1.9 |

Table 5. Error budget for the proper motions of all the 878 stars in Part I of the FK6 in the short-term prediction mode (STP mode)

| rms average of the mean errors of the proper motions (units: mas/year) | | | |
|---|------------------|----------------|-------------|
| mean error of: | μ_{α^*} | μ_{δ} | rms average |
| HIPPARCOS | | | |
| random | 0.75 | 0.58 | 0.67 |
| FK5 | | | |
| random | 0.75 | 0.82 | 0.79 |
| system | 0.33 | 0.23 | 0.28 |
| cosmic | 2.10 | 2.10 | 2.10 |
| total | 2.25 | 2.27 | 2.26 |
| μ_0 | | | |
| random | 0.53 | 0.56 | 0.55 |
| system | 0.30 | 0.18 | 0.25 |
| cosmic | 2.10 | 2.10 | 2.10 |
| total | 2.19 | 2.18 | 2.19 |
| FK6 | | | |
| random | 0.67 | 0.55 | 0.61 |
| ratio of HIPPARCOS to FK6 errors | 1.1 | 1.1 | 1.1 |

Table 6. Error budget for the positions of all the 878 stars in Part I of the FK6 in the single-star mode (SI mode)

| rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas) | | | |
|--|------------|----------|-------------|
| mean error of: | α_* | δ | rms average |
| HIPPARCOS | | | |
| random | 0.60 | 0.47 | 0.54 |
| FK5 | | | |
| random | 17.49 | 23.74 | 20.85 |
| system | 9.99 | 8.07 | 9.08 |
| total | 20.14 | 25.07 | 22.74 |
| FK6 | | | |
| random | 0.60 | 0.47 | 0.54 |
| Central epoch $T_c - 1900$ | | | |
| HIPPARCOS | 91.24 | 91.26 | 91.25 |
| FK5 | 55.26 | 45.28 | 50.27 |
| FK6 | 91.19 | 91.24 | 91.22 |

Table 8. Error budget for the positions of all the 878 stars in Part I of the FK6 in the long-term prediction mode (LTP mode)

| rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas) | | | |
|--|------------|----------|-------------|
| mean error of: | α_* | δ | rms average |
| HIPPARCOS | | | |
| random | 0.60 | 0.47 | 0.54 |
| cosmic | 12.45 | 12.45 | 12.45 |
| total | 12.46 | 12.46 | 12.46 |
| FK5 | | | |
| random | 17.49 | 23.74 | 20.85 |
| system | 9.99 | 8.07 | 9.08 |
| total | 20.14 | 25.07 | 22.74 |
| FK6 | | | |
| random | 9.99 | 10.63 | 10.31 |
| Central epoch $T_c - 1900$ | | | |
| HIPPARCOS | 91.24 | 91.26 | 91.25 |
| FK5 | 55.26 | 45.28 | 50.27 |
| FK6 | 80.28 | 80.70 | 80.49 |

Table 7. Error budget for the positions of the 340 astrometrically excellent stars in Part I of the FK6 in the single-star mode (SI mode)

| rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas) | | | |
|--|------------|----------|-------------|
| mean error of: | α_* | δ | rms average |
| HIPPARCOS | | | |
| random | 0.60 | 0.47 | 0.54 |
| FK5 | | | |
| random | 17.87 | 24.24 | 21.29 |
| system | 10.03 | 8.07 | 9.10 |
| total | 20.49 | 25.55 | 23.15 |
| FK6 | | | |
| random | 0.60 | 0.47 | 0.54 |
| Central epoch $T_c - 1900$ | | | |
| HIPPARCOS | 91.22 | 91.24 | 91.23 |
| FK5 | 55.67 | 45.83 | 50.75 |
| FK6 | 91.18 | 91.22 | 91.20 |

Table 9. Error budget for the positions of all the 878 stars in Part I of the FK6 in the short-term prediction mode (STP mode)

| rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas) | | | |
|--|------------|----------|-------------|
| mean error of: | α_* | δ | rms average |
| HIPPARCOS | | | |
| random | 0.60 | 0.47 | 0.54 |
| FK5 | | | |
| random | 17.49 | 23.74 | 20.85 |
| system | 9.99 | 8.07 | 9.08 |
| cosmic | 12.45 | 12.45 | 12.45 |
| total | 23.68 | 27.99 | 25.93 |
| FK6 | | | |
| random | 0.60 | 0.47 | 0.54 |
| Central epoch $T_c - 1900$ | | | |
| HIPPARCOS | 91.24 | 91.26 | 91.25 |
| FK5 | 55.26 | 45.28 | 50.27 |
| FK6 | 91.24 | 91.26 | 91.25 |

(see the corresponding Note). The relatively large mean errors of its proper motion are, however, certainly caused mainly by the unusually high mean errors of the proper motions μ_H , μ_{FK5} , and μ_0 .

The median values of $\varepsilon_{\mu,\alpha^*}$ and $\varepsilon_{\mu,\delta}$ in the single-star mode for the stars in Part I of the FK6 are 0.34 mas/year and 0.33 mas/year. At the median distance of the stars, $p_{res} = 10.6$ mas or $r = 94$ pc, this corresponds to a velocity uncertainty of about 150 m/s. Of course, for individual stars, the uncertainty in the distance r produces usually the main error in their tangential velocities.

11. How to calculate the mean error of a position predicted by the FK6?

The FK6 gives, separately for α_* and δ , the mean error $\varepsilon_x(T_{x,c})$, at the individual central epoch $T_{x,c}$ of this star in the FK6, and the mean error ε_μ of the proper motion. These errors depend, of course, on the type of solution (SI mode, LTP, STP). All the solutions have in common that the prediction is linear in time (see Eq. (1)), except for minor nonlinearities caused by the motion of the star on a great circle (sphericity effect) and by the foreshortening effect.

11.1 Single-star mode

The mean error $\varepsilon_{x,SI}(t)$ of the position $x_p(t)$ predicted by the SI mode of the FK6 for an arbitrary epoch t can be calculated from

$$\varepsilon_{x,SI}^2(t) = \varepsilon_{x,SI}^2(T_{x,SI}) + \varepsilon_{\mu,SI}^2(t - T_{x,SI})^2. \quad (1)$$

Since the SI mode assumes that the star is single, no cosmic errors have to be taken into account.

11.2 Long-term prediction

The long-term prediction mode predicts primarily the *mean* position of a star at the chosen epoch t . The mean error $\varepsilon_{x,LTP,mean}(t)$ of the mean position $x_{p,LTP}(t)$ is calculated basically in the same way as for the SI mode. We have just to replace the SI data by the LTP data:

$$\varepsilon_{x,LTP,mean}^2 = \varepsilon_{x,LTP}^2(T_{x,LTP}) + \varepsilon_{\mu,LTP}^2(t - T_{x,LTP})^2. \quad (2)$$

Since the LTP is valid only for epoch differences larger than a few years, $\varepsilon_{x,LTP}$ is usually governed by the proper motion term and increases therefore nearly linearly with the epoch difference $|t - T_{x,LTP}|$.

As mentioned in Section 7, the mean position predicted by the LTP is at the same time the *statistically* best prediction for the *instantaneous* position of the star at epoch t . The mean error $\varepsilon_{x,LTP,instant}(t)$ of the predicted instantaneous position $x_{p,LTP,instant}(t) = x_{p,LTP}(t)$ is given by

$$\varepsilon_{x,LTP,instant}^2(t) = \varepsilon_{x,LTP}^2(T_{x,LTP}) + \varepsilon_{\mu,LTP}^2(t - T_{x,LTP})^2 + c_x^2(p). \quad (3)$$

Since $c_x(p)$ is about 13 mas and $\varepsilon_{x,LTP}(T_{x,LTP})$ about 10 mas on average, the mean error of an instantaneous position predicted by the LTP mode is often governed by the constant terms c_x and $\varepsilon_{x,LTP}(T_{x,LTP})$. Only for large epoch differences, typically for $|t - T_{x,LTP}|$ larger than 50 years, the proper-motion term begins to dominate $\varepsilon_{x,LTP,instant}(t)$ and to produce a linear increase in time of this error.

11.3 Short-term prediction

The short-term prediction mode (STP) predicts the *instantaneous* position of a star for epochs close to $T_{x,STP} \sim T_H = 1991.25$. The STP is a good prediction for epoch differences $|t - T_{x,STP}|$ of up to a few years only. For these small epoch differences Δt , one can estimate the increase in the (quadratic) contribution of the cosmic error as a function of Δt by Eq. (57) of Wielen (1997). The required coefficient $\xi_0^{(IV)}$ is, however, rather uncertain. We propose to use

$$\xi_0^{(IV)}(p) = \frac{3c_\mu^2(p)}{C_3^2}, \quad (4)$$

where $c_\mu(p)$ is given by Eq. (27) and C_3 by Eq. (31). This gives on average a value of $(\xi_0^{(IV)}(p)/4)^{1/2}$ of about 0.3 mas/year². The mean error of the instantaneous position predicted by the STP for $|\Delta t| < 5$ years is then approximately given by

$$\begin{aligned} \varepsilon_{x,STP}^2(t) &= \varepsilon_{x,STP}^2(T_{x,STP}) \\ &+ \varepsilon_{\mu,STP}^2(t - T_{x,STP})^2 \\ &+ \frac{1}{4} \xi_0^{(IV)}(p) (t - T_{x,STP})^4. \end{aligned} \quad (5)$$

Typically the last term governs the error $\varepsilon_{x,STP}$ already for epoch differences $|t - T_{x,STP}|$ of about 3 years. Neither the STP nor Eq. (4) should be used for epoch differences larger than about 5 years.

For intermediate epoch differences, a mixture of STP and LTP gives probably the best prediction, as discussed in Section 4.2.3 and Fig. 6 of Wielen (1997). In this mixture, one uses for the prediction the *instantaneous* position at epoch $T_{x,STP}$, given by the STP, and the *mean* proper motion, given by the LTP. In this case, the mean error of the predicted instantaneous position can, however, be estimated only if we know rather accurately the correlation function $\xi(\Delta t)$ used

in statistical astrometry. The appropriate equation is Eq. (63) of Wielen (1997).

In the most general case of an arbitrary epoch difference $|t - T_{x,STP}|$, we should adopt a smooth transition between the STP and LTP mode. The mathematical tools are provided by Eqs. (82)-(87) of Wielen (1997). However, our rudimentary knowledge about the correlation functions $\xi(\Delta t)$, $\eta(\Delta t)$, $\zeta(\Delta t)$ hampers the use of these formulae at present.

12. Parallaxes

On one hand, the FK6 requires stellar parallaxes as input data. On the other hand, the FK6 produces parallaxes as output data. All the parallax data are given in the FK6 Catalogue.

Our basic data for parallaxes are those given in the HIPPARCOS Catalogue (ESA 1997). The HIPPARCOS parallax p_H and its error $\varepsilon_{p,H}$ are given in the Fields 69 and 72 of the FK6(I) Catalogue.

The single-star mode and the short-term prediction produce new parallaxes, p_{SI} and p_{STP} . These parallaxes and their mean errors $\varepsilon_{p,SI}$ and $\varepsilon_{p,STP}$ are given in the Fields 67, 68 and 70, 71 of the FK6(I) Catalogue. As mentioned at the end of Section 9.2, it is not appropriate to determine a new parallax in the long-term prediction mode.

Why do the SI mode and the STP produce at all a new parallax, different from the input value p_H ? The reason is the following: The FK5 does not give a parallax, but the FK5 data are able to improve the proper motion (and, not so much, the position) of a star in the FK6 with respect to HIPPARCOS. Using this improved (partially ‘external’) proper motion, the original HIPPARCOS measurements lead to a new, hopefully more accurate parallax, if p_H is correlated with μ_H . Since the correlation coefficients between p_H and $\mu_{\alpha*,H}$ or $\mu_{\delta,H}$ are, however, usually small, the differences between the various parallaxes are not very significant in most cases. This is especially true for p_H and p_{STP} , since already the improvement in the proper motion of the STP with respect to HIPPARCOS is usually small.

Should one prefer to use p_{SI} (or p_{STP}) instead of p_H ? This depends mainly on the question whether or not the star is a binary or not. For probably single stars, such as our sample of astrometrically excellent stars, the parallax p_{SI} should be in general more accurate than p_H . We do not recommend to use p_{STP} , since the improvement by the STP is small and somewhat uncertain because of the statistical nature of the STP mode. Nevertheless, the FK6 Catalogue contains p_{STP} for completeness.

For small values of p_H or p_{SI} , we prefer to use photometric or spectroscopic parallaxes. We have derived such pho-

tometric or spectroscopic parallaxes p_{ph} from various input data which seemed to us most appropriate for this purpose. The mean errors $\varepsilon_{p,ph}$ of p_{ph} are fair estimates only. In Field 14 of the FK6(I) Catalogue, we give a ‘resulting parallax’ p_{res} . In most cases, the choice between adopting p_H or p_{ph} as p_{res} is based on the smaller mean error of p . Usually, p_{ph} is adopted instead of p_H for $p_{res} < 5 - 7$ mas, i.e. for distant stars only.

The HIPPARCOS parallax p_H is always used in calculating the foreshortening effect. Adopting p_{res} instead of p_H would not produce any visible change in our FK6 results, because the foreshortening effect is very small for the distant stars for which p_{ph} replaces p_H in p_{res} .

For calculating the cosmic errors $c_\mu(p)$ and $c_x(p)$, we use the resulting parallax p_{res} . For the cosmic errors, it is important to have the most accurate parallaxes also for distant stars.

13. Auxiliary data

The radial velocities v_{rad} , used in calculating the foreshortening effect, have been collected from various sources (e.g. Duflot et al. 1995) over a long interval of time. We do not claim that they always include the most recent measurements. For our purpose, however, their accuracy is sufficient.

The FK6 Catalogue gives also the apparent visual magnitude m_V of the stars, mainly as an additional information for the reader. The magnitude m_V and a flag for a possible variability of the star are taken from the HIPPARCOS Catalogue (ESA 1997).

Information on the possible binary nature of the objects is taken from the HIPPARCOS Catalogue (HIP), the CCDM as contained in HIP, or from other sources (see Section 16).

14. How to transform the FK6 data to other epochs ?

Due to the very high accuracy of the FK6 data, it is usually not adequate to transform the positions α and δ from the FK6 epoch 2000 to other epochs t by using for α and δ purely linear equations in t , i.e. constant values of $\dot{\alpha} = \mu_\alpha$ and $\dot{\delta} = \mu_\delta$.

The adequate model for transforming α and δ from epoch 2000 to an arbitrary epoch t should assume that the star moves linearly in time t on a straight line in the three-dimensional space. The corresponding formulae are given in Volume 1 (Section 1.2.8, p. 29–33) of the HIPPARCOS Catalogue (ESA 1997) or in textbooks. In this model, the proper motions $\mu_{\alpha*}$ and μ_δ depend on the epoch t .

15. How to transform the FK6 data to another equinox ?

The results of the FK6 do not depend on an assumed constant of precession, since the FK5 was transformed into the HIPPARCOS system before being combined with the HIPPARCOS data. The HIPPARCOS system itself is (at least to a high degree of approximation) linked to quasars, and represents therefore an extragalactic reference system, independent of the various motions of the axis of the Earth.

However, a transformation of the FK6 data from the adopted equinox 2000 to another equinox requires accurate information on precession. For calculating apparent places, a theory of nutation (and aberration) is also necessary. One may either use the conventional IAU(1976) system (IAU 1977) or the IERS procedures (IERS 1996).

It is known from more recent VLBI observations and LLR (Lunar-Laser-Ranging) measurements that the constant of precession adopted in the IAU(1976) system is too large by about 3.00 mas/year (Charlot et al. 1995). This systematic error in conventional precession is significantly larger than the mean errors of the FK6 proper motions (typically 0.35 mas/year in the SI mode) and the systematic uncertainty in the HIPPARCOS link (about 0.25 mas/year).

For a very accurate transformation of the equinox, the IERS conventions (IERS 1996) should be preferred. The accuracy of precession adopted presently by the IERS is of the order of 0.20 mas/year.

16. General remarks on the notes to the FK6(I) Catalogue

On the pages 173 to 209 we give individual notes to some of the stars in the FK6(I) Catalogue. These notes concern mainly the double-star nature of some objects.

The stars given in Part I of the FK6 are selected such that they should be, in principle, single stars without a gravitationally bound companion star. The only exceptions are objects classified as $\Delta\mu$ binaries or as (suspected) spectroscopic binaries *without* a known orbit. In some cases it is doubtful whether or not the star is actually single. The corresponding information available to us is then given in the note.

In Part I of the FK6, it is our aim (1) to avoid physical visual binaries as far as possible, and (2) to exclude close optical pairs of stars. Therefore, we have not included stars for which the INCA Catalogue (INCA 1992), the CCDM (Dommanget and Nys 1994) or the WDS (Worley and Douglass 1996) list one or more companions with an angular separation ρ below one minute of arc. Stars with companions with $\rho \geq 1'$ are included into Part I of the FK6, if we consider the

companion to be an optical component. The notes give some informations on these probably optical companions. We also indicate, as far as possible, the reason(s) why we consider the companion to be physically unrelated to the FK6 star, in addition to its large separation of $\rho \geq 1'$. In cases of doubt, we usually preferred to exclude the object from Part I of the FK6.

Our classification of an object as an optical pair makes use of the relative proper motion between the two stars, mainly derived from the observed relative positions given in the WDS. If more accurate relative proper motions were available from other sources, they were used instead of the WDS.

If the *relative* proper motion of the (optical) companion is just about the reverse of the FK6 proper motion of the FK star, this means that the *absolute* proper motion of the companion is rather small. We call such companions ‘approximately fixed’ (abbreviated: af), and consider them as background objects.

If the absolute proper motions of the two objects differ significantly, we say that the companion has ‘no common proper motion (nc)’ with the FK star. If the difference in proper motions between the two components is well established, although it may not be very large, we have calculated the relative tangential velocity in km/s, adopting the parallax p_{res} for both stars. If this relative tangential velocity in km/s is much larger than the estimated escape velocity for this pair (in case it would be a physical binary), then we denote the reason for our classification as being an optical pair by ‘high velocity (hv)’.

We have also calculated the absolute value (in pc) of the tangential component of the separation between the FK star and its companion, assuming that both stars have the common parallax p_{res} . The largest separations in pc between physically bound binaries in our Galaxy are usually assumed to be of the order of 0.1 pc. Hence we consider pairs with tangential separations larger than about 0.1 pc as being optical double stars and denote them by ‘pc’.

For some companions of FK stars, we found in the CCDM or WDS only a single observation, and were therefore unable to derive a relative proper motion between the two stars. We denote these cases by ‘one observation only (oo)’. In a few cases, neither the CCDM nor the WDS give the relative position of the companion. These cases are flagged by ‘no’.

The designation of the components (A, B, C, ..., P, Q, ...) has been preferentially taken from the CCDM or INCA, since they are in this respect usually in accordance with the designations in the HIPPARCOS Catalogue. The epochs, the relative positions of the components, and the magnitudes are given in the notes as rounded values, since they are listed for information purposes only. In some cases, more accurate data could be derived from the TYCHO Catalogue (ESA 1997).

The sequence of the data in the notes is ‘component designation (epoch T , separation ρ in arcseconds, position angle Θ in degrees, visual apparent magnitude m_V ; flag)’. If the position of a component (e.g. C) is not given relative to the FK star (component A), but relative to another component (e.g. B), then we note this after the opening parenthesis, e.g. by C(BC: 1960: ...).

Some of the abbreviations used in the notes have the following meaning: HIP for the HIPPARCOS Catalogue (ESA 1997), TYCHO for the TYCHO Catalogue (ESA 1997), BSC for the Bright Star Catalogue (Hoffleit and Jaschek 1982), GCRV for the General Catalogue of Stellar Radial Velocities (Wilson 1953). The citations for CCDM, INCA, and WDS are already given above.

The information on the spectroscopic-binary nature (i.e. in Part I information on the variability of the radial velocity or on compound spectra) has been taken in a first step from Barbier-Brossat et al. (1994), the GCRV, the BSC, Sinzi (1972), the database SIMBAD of the CDS, or from a collected file on spectral types compiled by H. Jahreiß from a variety of sources. In a second step, the quoted original literature or more recent papers have been inspected for many of the stars. Some of these papers are cited in the notes. If the radial velocity variation is mainly reported by the BSC or by an old paper, then we have usually classified the star as a ‘possible’ spectroscopic binary (i.e., $d_2 = 9$ in K_{bin} (Field 20)).

17. Machine-readable versions of the FK6(I)

Machine-readable versions of Part I of the FK6 can be obtained on-line from the webserver or the ftp server of the Astronomisches Rechen-Institut at Heidelberg, or from the catalogue service of the Centre des Donnees (CDS) at Strasbourg. More information on these machine-readable versions of the FK6 is given on the Web page with the URL:

<http://www.ari.uni-heidelberg.de/fk6>

The machine-readable versions of the FK6 give more data than the printed version. For example, the machine-readable version includes α in degrees, the correlation coefficients between the astrometric data, cross identifications with other catalogues etc. Some of the machine-readable versions of the FK6 have essentially the same format as the machine-readable version of the HIPPARCOS Catalogue. This should simplify the use of the FK6 for those who have already computer programs with reading formats appropriate for HIPPARCOS data. The detailed descriptions and explanations for the machine-readable versions of the FK6 are given in these catalogues and on the corresponding Web pages.

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On the other hand, the FK6 is also based on the dedicated work of many hundreds of astronomers who have observed the positions of stars with ground-based instruments and have reduced these data. Their valuable work, spanning together more than two centuries, is gratefully acknowledged.

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Description of Part I of the printed FK6 Catalogue

Field 1: FK6 number

The FK6 number of the star is identical with its FK5 number. The numbering system in the fundamental catalogues is historically grown and not explained here.

Field 2: HIP number

Number of the star in the HIPPARCOS Catalogue (ESA 1997). This numbering follows closely ordering by right ascension α for the epoch J1991.25 (not J2000.0 !).

Field 3: Name

The name of the star is given for an easier identification of the object by a reader of the catalogue.

Fields 4–13: The Fields 4–13 (and 67, 70) contain the FK6 results in the single-star (SI) mode.

Field 4: α 2000 (SI mode)

The right ascension α of the star at epoch and equinox J2000.0 in the ICRS/HIPPARCOS system for the SI mode of the FK6. α is given in the printed catalogue in the conventional sexagesimal units of hours, minutes of time, and seconds of time. The machine-readable version of the FK6 gives α also in degrees and decimal fractions of degrees. Below we use the notation $\alpha_* = \alpha \cos \delta$, as it is done in the HIPPARCOS Catalogue.

Field 5: δ 2000 (SI mode)

The declination δ of the star at epoch and equinox J2000.0 in the ICRS/HIPPARCOS system for the SI mode of the FK6. δ is given in the printed catalogue in the conventional sexagesimal units of degrees, minutes of arc, and seconds of arc. The machine-readable version of the FK6 gives δ also in degrees and decimal fractions of degrees.

Field 6: μ_{α_*} 2000 (SI mode)

The proper-motion component μ_{α_*} of the star in α_* at epoch and equinox J2000.0 in the ICRS/HIPPARCOS system for the SI mode of the FK6. Instead of the conventional way of presenting μ_{α} , the catalogue gives $\mu_{\alpha_*} = \mu_{\alpha} \cos \delta$ in milliarcseconds (mas)/year.

Field 7: μ_{δ} 2000 (SI mode)

The proper-motion component μ_{δ} of the star in δ at epoch and equinox J2000.0 in the ICRS/HIPPARCOS system for the SI mode of the FK6. Units: mas/year.

Field 8: T_{α} (SI mode)

Central epoch T_{α} in α of the star in the SI mode. The catalogue gives $T_{\alpha} - 1900$ in order to save printing space. Units: years.

Field 9: ε_{α_*} (SI mode)

Mean error ε_{α_*} of α_* of the star at the central epoch T_{α} (given in Field 8) in the SI mode. Units: mas.

Field 10: $\varepsilon_{\mu_{\alpha_*}}$ (SI mode)

Mean error $\varepsilon_{\mu_{\alpha_*}}$ of μ_{α_*} of the star in the SI mode. Units: mas/year.

Field 11: T_{δ} (SI mode)

Central epoch T_{δ} in δ of the star in the SI mode. The catalogue gives $T_{\delta} - 1900$ in order to save printing space. Units: years.

Field 12: ε_{δ} (SI mode)

Mean error ε_{δ} of δ of the star at the central epoch T_{δ} (given in Field 11) in the SI mode. Units: mas.

Field 13: $\varepsilon_{\mu_{\delta}}$ (SI mode)

Mean error $\varepsilon_{\mu_{\delta}}$ of μ_{δ} of the star in the SI mode. Units: mas/year.

Field 14: p_{res}

‘Resulting’ parallax p_{res} of the star (see Section 12). This is either the HIPPARCOS parallax or a photometric/spectroscopic parallax. Units: mas.

Field 15: $\varepsilon_{p,res}$

Mean error $\varepsilon_{p,res}$ of p_{res} . Units: mas.

Field 16: $K_{p,res}$

Flag for the source of p_{res} :

H = HIPPARCOS Catalogue (ESA 1997)

P = Newly determined photometric/spectroscopic parallax

Field 17: v_{rad}

Radial velocity v_{rad} of the star, used in calculating the foreshortening effect. Units: km/s.

Field 18: m_V

Apparent visual magnitude m_V of the star, taken from the HIPPARCOS Catalogue.

Field 19: K_m

Flag for the variability of the brightness of the star, taken from the HIPPARCOS Catalogue (HIP Field H6):

blank = star not variable

1 = star variable at the level of < 0.06 mag

2 = star variable at the level of $0.06 - 0.6$ mag

3 = star variable at the level of > 0.6 mag

Field 20: K_{bin}

Flag for the double-star nature of the object:

$$K_{bin} = d_1 d_2 = 10 d_1 + d_2$$

First digit d_1 :

The first digit d_1 describes the information on the double-star nature based on the proper-motion differences $\Delta\mu$. The method and the meaning of the corresponding test parameters F are explained in Wielen et al. (1999a).

1 = all values of $F(F_{FH}, F_{0H}, F_{0(GC)H}, F_{0F})$ are below 2.49

2 = at least one value of $F(F_{FH}, F_{0H}, F_{0(GC)H}, F_{0F})$ is larger than 3.44

3 = all other (intermediate) cases

Second digit d_2 :

The second digit d_2 describes the information on the double-star nature based on various other methods. If the data indicate various kinds of binarity, the ‘astrometrically most disturbing’ effect is given.

1 = single star indicated

2 = the star is a member of a visual binary (gravitationally bound system),
or the object is resolved by speckle interferometry

3 = the object is suspected to be a visual binary (mainly due to HIP)

4 = the star has at least one optical companion with a separation of $\rho < 60''$

5 = the star has at least one optical companion, but all companions have a separation of $\rho \geq 60''$

6 = astrometric binary (mainly the non-standard solutions O, G, V, X of HIP)

7 = spectroscopic binary with a known orbit,
or the star is an eclipsing binary

8 = the radial velocity of the star is variable (indicating a spectroscopic binary),
or the object shows a composite spectrum (indicating a double star)

9 = the radial velocity of the star may be variable (possible indication for a spectroscopic binary),
or the object may show a composite spectrum (possibly indicating a double star),
or other weak indications of binarity,

or the star has a (suspected) planetary companion

Field 21: $K_{\Delta\mu}$

Flag for the double-star nature of the object based on differences between various proper motions (Wielen et al. 1999a):

- 1 = single-star candidate
- 2 = $\Delta\mu$ binary
- blank = uncertain (between 1 and 2),
or the binary nature which is indicated by other data does not allow to classify the object as a single-star candidate

Field 22: K_{ae}

Flag for 'astrometrically excellent stars' (see Section 5):

- 3 = astrometrically excellent star with rank ***
- 2 = astrometrically excellent star with rank **
- 1 = astrometrically excellent star with rank *
- blank = star not classified as astrometrically excellent

Fields 23 – 40 : General remarks:

In order to save printing space, we give for the other modes of the FK6, i.e. the long-term prediction (LTP) and the short-term prediction (STP), and for HIP (HIPPARCOS Catalogue) and FK5, not the full quantities, but only their differences, Δ = other mode – SI mode, with respect to the single-star (SI) mode of the FK6. These differences have to be added to the results of the SI mode of the FK6 (Fields 4-7) in order to obtain the results of the other modes. For right ascension, we give $\Delta\alpha_*$ instead of $\Delta\alpha = \Delta\alpha_*/\cos\delta$. For obtaining α , the formula $\alpha(\text{other mode}) = \alpha(\text{SI mode}) + (\Delta\alpha_*(\text{other mode})/\cos\delta)$ should be used. The data given for the FK5 and for μ_0 are given in the ICRS/HIPPARCOS system. Since the quantities for the SI mode and all the differences Δ refer to the epoch and equinox J2000.0 in the ICRS/HIPPARCOS system, this is then also the case for the full results of the other modes.

The differences Δ are given for numerical and printing convenience only. Therefore, the mean errors given in the FK6 Catalogue are not the errors of these differences, but those of the full quantities in the other modes. The mean errors given for the FK5 and for μ_0 include the mean errors of the systematic differences between the FK5 system and the HIPPARCOS system.

Fields 23 – 26: $\Delta\alpha_*$ (LTP, STP, HIP, FK5)

Difference $\Delta\alpha_*$ between α_* in the other solutions (LTP, STP, HIP, FK5) and α_* in the SI mode at epoch and equinox J2000.0. Units: mas.

Fields 27 – 30: $\Delta\delta$ (LTP, STP, HIP, FK5)

Difference $\Delta\delta$ between δ in the other solutions (LTP, STP, HIP, FK5) and δ in the SI mode at epoch and equinox J2000.0. Units: mas.

Fields 31 – 35: $\Delta\mu_{\alpha^*}$ (LTP, STP, HIP, FK5, μ_0)

Difference $\Delta\mu_{\alpha^*}$ between μ_{α^*} in the other solutions (LTP, STP, HIP, FK5, μ_0) and μ_{α^*} in the SI mode at epoch and equinox J2000.0. Units: mas/year.

Fields 36 – 40: $\Delta\mu_\delta$ (LTP, STP, HIP, FK5, μ_0)

Difference $\Delta\mu_\delta$ between μ_δ in the other solutions (LTP, STP, HIP, FK5, μ_0) and μ_δ in the SI mode at epoch and equinox J2000.0. Units: mas/year.

Fields 41 – 44: T_α (LTP, STP, HIP, FK5)

Central epoch T_α in α of the star in the solutions LTP, STP, HIP, FK5. The catalogue gives $T - 1900$. Units: year.

Fields 45 – 48: ε_{α^*} (LTP, STP, HIP, FK5)

Mean error ε_{α^*} of α_* of the star at the central epoch T_α in the solutions LTP, STP, HIP, FK5. Units: mas.

Fields 49 – 53: $\varepsilon_{\mu_{\alpha^*}}$ (LTP, STP, HIP, FK5, μ_0)

Mean error $\varepsilon_{\mu_{\alpha^*}}$ of μ_{α^*} of the star in the solutions LTP, STP, HIP, FK5, μ_0 . Units: mas/year.

Fields 54–57: T_δ (LTP, STP, HIP, FK5)

Central epoch T_δ in δ of the star in the solutions LTP, STP, HIP, FK5. The catalogue gives $T - 1900$. Units: year.

Fields 58–61: ε_δ (LTP, STP, HIP, FK5)

Mean error ε_δ of δ of the star at the central epoch T_δ in the solutions LTP, STP, HIP, FK5. Units: mas.

Fields 62–66: $\varepsilon_{\mu\delta}$ (LTP, STP, HIP, FK5, μ_0)

Mean error $\varepsilon_{\mu\delta}$ of μ_δ of the star in the solutions LTP, STP, HIP, FK5, μ_0 . Units: mas/year.

Field 67: p_{SI} (SI mode)

Parallax p_{SI} of the star derived in the SI mode of the FK6. Units: mas.

Field 68: p_{STP} (STP mode)

Parallax p_{STP} of the star derived in the STP mode of the FK6. Units: mas.

Field 69: p_H (HIPPARCOS)

Parallax p_H of the star given in the HIPPARCOS Catalogue (ESA 1997). Units: mas.

Field 70: $\varepsilon_{p,SI}$ (SI mode)

Mean error $\varepsilon_{p,SI}$ of p_{SI} . Units: mas.

Field 71: $\varepsilon_{p,STP}$ (STP mode)

Mean error $\varepsilon_{p,STP}$ of p_{STP} . Units: mas.

Field 72: $\varepsilon_{p,H}$ (HIPPARCOS)

Mean error $\varepsilon_{p,H}$ of p_H . Units: mas.

Fields 73–80: These fields list the systematic differences between the FK5 system and ICRS/HIPPARCOS system (in the sense FK5–HIP) for α_* , δ , μ_{α^*} , μ_δ for the star under consideration at the epoch J1949.4 (see Section 6). The differences have to be *subtracted* from the FK5 data at epoch J1949.4 in order to obtain the FK5 quantities at epoch J1949.4 in the HIPPARCOS reference system. The systematic differences given include both the rotational and regional systematic differences between the FK5 system and the HIPPARCOS system. The mean errors of the systematic differences at epoch J1949.4 are given in the Fields 77–80.

Field 73: $\Delta\alpha_{*,sys}$

Systematic difference $\Delta\alpha_{*,sys}$ in α_* between the FK5 system and the HIPPARCOS system for the star under consideration at epoch J1949.4. Units: mas.

Field 74: $\Delta\delta_{sys}$

Systematic difference $\Delta\delta_{sys}$ in δ between the FK5 system and the HIPPARCOS system for the star under consideration at epoch J1949.4. Units: mas.

Field 75: $\Delta\mu_{\alpha^*,sys}$

Systematic difference $\Delta\mu_{\alpha^*,sys}$ in μ_{α^*} between the FK5 system and the HIPPARCOS system for the star under consideration at epoch J1949.4. Units: mas/year.

Field 76: $\Delta\mu_{\delta,sys}$

Systematic difference $\Delta\mu_{\delta,sys}$ in μ_δ between the FK5 system and the HIPPARCOS system for the star under consideration at epoch J1949.4. Units: mas/year.

Field 77: $\varepsilon_{\alpha^*, sys}$

Mean error $\varepsilon_{\alpha^*, sys}$ of $\Delta\alpha_{\alpha^*, sys}$. Units: mas.

Field 78: $\varepsilon_{\delta, sys}$

Mean error $\varepsilon_{\delta, sys}$ of $\Delta\delta_{sys}$. Units: mas.

Field 79: $\varepsilon_{\mu\alpha^*, sys}$

Mean error $\varepsilon_{\mu\alpha^*, sys}$ of $\Delta\mu_{\alpha^*, sys}$. Units: mas/year.

Field 80: $\varepsilon_{\mu\delta, sys}$

Mean error $\varepsilon_{\mu\delta, sys}$ of $\Delta\mu_{\delta, sys}$. Units: mas/year.

Field 81: K_{sys}

Flag for the use of the star in determining the systematic differences between the FK5 system and the HIPPARCOS system in position and proper motion:

1 = used for positions and proper motions

blank = not used

Fields 82–85: These fields contain the test parameters F for various proper-motion differences $\Delta\mu$. The parameter F is defined by Eq. (23) of Wielen et al. (1999a). It is essentially the ratio between the two-dimensional difference $\Delta\mu$ and its mean error. Values of $F > 3.44$ indicate $\Delta\mu$ binaries. If all the F values are below 2.49, the star may be classified as a single-star candidate.

Field 82: F_{FH}

F parameter based on the difference $\Delta\mu_{FH} = \mu_F - \mu_H$ between the proper motions given by the FK5 and by HIPPARCOS.

Field 83: F_{0H}

F parameter based on the difference $\Delta\mu_{0H} = \mu_0 - \mu_H$ between the proper motion μ_0 (based on the stellar positions in the FK5 and in the HIPPARCOS Catalogue) and the proper motion μ_H given by HIPPARCOS.

Field 84: $F_{0(GC)H}$

F parameter based on the difference $\Delta\mu_{0(GC)H} = \mu_{0(GC)} - \mu_H$ between the proper motion μ_0 (based on the stellar positions in the GC (Boss et al. 1937) and in the HIPPARCOS Catalogue) and the proper motion μ_H given by HIPPARCOS.

Field 85: F_{0F}

F parameter based on the difference $\Delta\mu_{0F} = \mu_0 - \mu_F$ between the proper motion μ_0 (based on the stellar positions in the FK5 and in the HIPPARCOS Catalogue) and the proper motion μ_F given by the FK5.

Field 86: Number of note

The notes are numbered consecutively from 1) to 560) and are listed on the pages 173 to 209. Explanations for the notes are given in Section 16 and on page 173.

FK6 Catalogue

Part I

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------|------------|----------------------------------|-----------------------------|-----------------------------|--|--------------------------------------|
| FK6 No. | HIP No. | Name | α (SI) 2000 h m s | δ (SI) 2000 ° ′ ″ | μ_{α^*} (SI) 2000 [mas/yr] | μ_{δ} (SI) 2000 [mas/yr] |
| 904 | 122 | ϑ Oct | 0 1 35.702 946 | - 77 3 56.608 34 | - 56.82 | - 176.98 |
| 1630 | 154 | 30 Psc | 0 1 57.619 825 | - 6 0 50.655 34 | + 48.08 | - 40.82 |
| 905 | 301 | 2 Cet | 0 3 44.388 192 | - 17 20 9.566 81 | + 25.84 | - 8.55 |
| 1001 | 377 | 45 G. Tuc | 0 4 41.308 247 | - 71 26 12.808 71 | + 30.03 | - 13.56 |
| 1003 | 560 | 9 G. Cet | 0 6 50.086 034 | - 23 6 27.137 07 | + 96.93 | - 46.33 |
| 4 | 841 | 22 And | 0 10 19.246 497 | + 46 4 20.180 89 | + 5.31 | + 0.51 |
| 6 | 950 | ϑ Scl | 0 11 44.009 505 | - 35 7 59.212 68 | + 170.27 | + 115.81 |
| 1655 | 1007 | θ Oct | 0 12 33.970 040 | - 88 21 46.333 99 | + 14.47 | + 1.92 |
| 1004 | 1168 | χ Peg | 0 14 36.164 743 | + 20 12 24.124 96 | + 91.10 | + 1.72 |
| 1005 | 1473 | σ And | 0 18 19.657 833 | + 36 47 6.809 00 | - 65.23 | - 42.19 |
| 1006 | 1493 | π θ ₃₈ And | 0 18 38.256 563 | + 31 31 2.007 64 | + 56.74 | - 3.91 |
| 9 | 1562 | ι Cet | 0 19 25.674 749 | - 8 49 26.105 49 | - 14.04 | - 36.49 |
| 10 | 1599 | ζ Tuc | 0 20 4.259 830 | - 64 52 29.248 46 | + 1707.15 | + 1165.27 |
| 1007 | 1600 | -18° 41 Cet | 0 20 2.952 939 | - 17 42 1.559 29 | + 37.79 | - 6.54 |
| 1008 | 1645 | 41 Psc | 0 20 35.861 837 | + 8 11 24.978 90 | - 4.08 | + 9.84 |
| 1009 | 1686 | ρ And | 0 21 7.268 919 | + 37 58 6.975 65 | + 58.17 | - 39.16 |
| 1010 | 2006 | 44 Psc | 0 25 24.208 166 | + 1 56 22.894 18 | - 14.70 | - 12.70 |
| 11 | 2021 | β Hyi | 0 25 45.071 096 | - 77 15 15.282 79 | + 2219.56 | + 325.44 |
| 1012 | 2224 | 48 Psc | 0 28 12.703 689 | + 16 26 42.243 56 | + 17.99 | - 13.68 |
| 14 | 2381 | 49 G. Cet | 0 30 22.654 590 | - 23 47 15.652 91 | - 26.08 | + 13.54 |
| 16 | 2599 | κ Cas | 0 32 59.991 679 | + 62 55 54.417 65 | + 4.01 | - 2.11 |
| 1013 | 2661 | 77 G. Scl | 0 33 41.041 938 | - 29 33 29.795 52 | - 28.62 | - 28.62 |
| 1014 | 2711 | 58 G. Phe | 0 34 27.832 815 | - 52 22 23.130 03 | + 227.94 | + 37.55 |
| 17 | 2920 | ζ Cas | 0 36 58.284 811 | + 53 53 48.873 32 | + 17.98 | - 9.20 |
| 19 | 3031 | ε And | 0 38 33.346 656 | + 29 18 42.309 41 | - 228.15 | - 253.60 |
| 1015 | 3245 | μ Phe | 0 41 19.555 576 | - 46 5 6.032 24 | - 24.48 | + 0.12 |
| 1016 | 3344 | Lac 181 Scl | 0 42 37.538 025 | - 36 1 19.758 76 | + 8.58 | + 11.67 |
| 22 | 3419 | β Cet | 0 43 35.371 451 | - 17 59 11.778 11 | + 233.45 | + 32.53 |
| 26 | 3456 | λ^2 Scl | 0 44 12.097 789 | - 38 25 18.084 73 | + 244.92 | + 118.80 |
| 1017 | 3521 | 70 G. Phe | 0 44 57.053 191 | - 42 40 35.611 25 | - 88.88 | - 96.19 |
| 31 | 3781 | λ Hyi | 0 48 35.418 054 | - 74 55 24.373 05 | + 133.55 | - 34.32 |
| 28 | 3786 | δ Psc | 0 48 40.944 135 | + 7 35 6.284 45 | + 82.87 | - 50.54 |
| 30 | 3909 | φ^2 Cet | 0 50 7.589 560 | - 10 38 39.582 86 | - 227.13 | - 229.68 |
| 1022 | 4147 | 20 Cet | 0 53 0.494 348 | - 1 8 39.328 78 | + 6.56 | - 15.38 |
| 34 | 4293 | λ^2 Tuc | 0 55 0.312 914 | - 69 31 37.508 77 | + 8.12 | - 43.98 |
| 1023 | 4510 | 68 Psc | 0 57 50.153 082 | + 28 59 31.984 98 | + 7.05 | - 7.17 |
| 35 | 4577 | α Scl | 0 58 36.359 415 | - 29 21 26.830 53 | + 20.26 | + 4.75 |
| 1024 | 4592 | 98 G. Cet | 0 58 45.746 470 | - 5 52 58.136 23 | + 3.45 | - 81.16 |
| 1025 | 4801 | 101 G. Cet | 1 1 38.645 029 | - 16 15 56.053 42 | + 72.46 | - 90.35 |
| 1027 | 4829 | 80 G. Phe | 1 2 1.820 613 | - 57 0 8.600 63 | + 6.28 | + 16.55 |
| 1026 | 4852 | σ Scl | 1 2 26.432 956 | - 31 33 7.223 38 | + 80.64 | + 14.66 |
| 36 | 4906 | ε Psc | 1 2 56.608 580 | + 7 53 24.478 97 | - 80.31 | + 24.83 |
| 1029 | 5170 | 106 G. Cet | 1 6 7.705 811 | - 23 59 32.836 39 | - 37.53 | - 35.18 |
| 39 | 5268 | ι Tuc | 1 7 18.663 785 | - 61 46 31.040 65 | + 73.90 | - 11.15 |
| 40 | 5364 | η Cet | 1 8 35.391 711 | - 10 10 56.152 90 | + 216.04 | - 138.53 |
| 906 | 5372 | 43 H. Cep | 1 8 44.873 218 | + 86 15 25.522 36 | + 79.87 | - 11.72 |
| 1032 | 5571 | χ Psc | 1 11 27.218 851 | + 21 2 4.740 13 | + 39.53 | - 10.55 |
| 43 | 5586 | τ Psc | 1 11 39.636 201 | + 30 5 22.719 08 | + 73.40 | - 35.25 |
| 41 | 5626 | 44 H. Cep | 1 12 16.817 919 | + 79 40 26.265 36 | + 94.81 | - 5.09 |
| 44 | 5661 | 102 G. Scl | 1 12 45.432 742 | - 37 51 23.325 48 | + 88.84 | - 31.01 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|---------------------------------------|--|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | $\varepsilon_{\alpha*}$ (SI) [mas] | $\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 904 | 91.18 | 0.40 | 0.37 | 91.21 | 0.39 | 0.33 | 14.77 | 0.47 | H | + 23.7 | 4.78 | | 11 | 1 | 3 |
| 1630 | 91.13 | 0.80 | 0.29 | 91.51 | 0.39 | 0.24 | 7.86 | 0.94 | H | - 11.8 | 4.37 | 2 | 33 | | |
| 905 | 91.45 | 0.82 | 0.27 | 91.42 | 0.40 | 0.25 | 14.31 | 0.92 | H | - 5.0 | 4.55 | | 29 | 2 | |
| 1001 | 91.20 | 0.45 | 0.42 | 91.28 | 0.41 | 0.36 | 5.70 | 0.53 | H | - 3.0 | 5.59 | | 19 | | 1 |
| 1003 | 91.27 | 0.70 | 0.46 | 91.40 | 0.41 | 0.35 | 25.59 | 0.75 | H | + 3.1 | 6.19 | | 29 | 2 | |
| 4 | 91.43 | 0.39 | 0.26 | 90.93 | 0.37 | 0.28 | 3.24 | 0.68 | H | - 5.4 | 5.01 | | 11 | 1 | 3 |
| 6 | 91.55 | 0.48 | 0.45 | 91.34 | 0.42 | 0.38 | 45.85 | 0.66 | H | - 2.2 | 5.24 | | 28 | 2 | |
| 1655 | 91.34 | 0.54 | 0.40 | 91.12 | 0.48 | 0.34 | 1.73 | 0.60 | H | + 7.7 | 7.22 | | 21 | 2 | |
| 1004 | 91.15 | 0.61 | 0.39 | 91.24 | 0.45 | 0.37 | 10.01 | 0.77 | H | - 45.8 | 4.79 | 1 | 11 | 1 | 3 |
| 1005 | 91.08 | 0.51 | 0.34 | 91.21 | 0.42 | 0.30 | 23.11 | 0.68 | H | - 8.0 | 4.51 | | 39 | | |
| 1006 | 91.02 | 0.62 | 0.38 | 90.98 | 0.37 | 0.32 | 6.00 | 0.77 | H | - 5.3 | 5.88 | | 21 | 2 | |
| 9 | 91.27 | 0.72 | 0.23 | 91.27 | 0.43 | 0.22 | 11.26 | 0.73 | H | + 18.6 | 3.56 | 1 | 25 | 2 | |
| 10 | 91.33 | 0.46 | 0.41 | 91.18 | 0.51 | 0.41 | 116.38 | 0.64 | H | + 9.4 | 4.23 | | 11 | 1 | 3 |
| 1007 | 91.15 | 0.72 | 0.53 | 91.45 | 0.51 | 0.40 | 4.09 | 0.93 | H | - 63.9 | 6.73 | | 21 | 2 | |
| 1008 | 91.16 | 0.68 | 0.30 | 91.62 | 0.52 | 0.27 | 8.26 | 0.81 | H | + 15.9 | 5.38 | | 11 | 1 | 3 |
| 1009 | 90.90 | 0.53 | 0.33 | 91.30 | 0.46 | 0.32 | 20.42 | 0.73 | H | + 9.1 | 5.16 | | 11 | 1 | 3 |
| 1010 | 91.29 | 0.81 | 0.27 | 91.77 | 0.60 | 0.25 | 5.50 | 1.03 | H | - 4.1 | 5.77 | | 23 | 2 | |
| 11 | 91.29 | 0.42 | 0.32 | 91.21 | 0.45 | 0.30 | 133.78 | 0.51 | H | + 23.3 | 2.82 | | 31 | | |
| 1012 | 91.16 | 0.60 | 0.37 | 91.32 | 0.47 | 0.32 | 2.93 | 0.72 | H | - 7.0 | 6.05 | 1 | 28 | 2 | |
| 14 | 91.48 | 0.67 | 0.39 | 91.50 | 0.51 | 0.38 | 18.08 | 0.90 | H | - 0.1 | 5.17 | | 19 | | 1 |
| 16 | 91.12 | 0.36 | 0.25 | 91.26 | 0.39 | 0.25 | 55 | 0.13 | P | - 2.3 | 4.17 | 2 | 19 | | 1 |
| 1013 | 91.16 | 0.61 | 0.45 | 91.18 | 0.47 | 0.38 | 6.56 | 0.71 | H | - 1.0 | 5.55 | | 38 | | |
| 1014 | 91.19 | 0.40 | 0.44 | 91.19 | 0.41 | 0.40 | 39.03 | 0.62 | H | + 34.8 | 5.57 | | 11 | 1 | 3 |
| 17 | 91.17 | 0.40 | 0.26 | 91.07 | 0.36 | 0.25 | 5.46 | 0.61 | H | + 2.0 | 3.69 | | 19 | | 1 |
| 19 | 90.86 | 0.66 | 0.27 | 91.14 | 0.53 | 0.25 | 19.34 | 0.76 | H | - 83.6 | 4.34 | | 11 | 1 | 3 |
| 1015 | 90.85 | 0.48 | 0.46 | 91.10 | 0.45 | 0.39 | 13.19 | 0.67 | H | + 18.8 | 4.59 | | 29 | 2 | |
| 1016 | 91.66 | 0.60 | 0.59 | 91.25 | 0.60 | 0.57 | 2.80 | 0.60 | P | + 14.3 | 7.07 | 2 | 31 | | |
| 22 | 91.32 | 0.63 | 0.22 | 91.21 | 0.51 | 0.22 | 34.04 | 0.82 | H | + 12.9 | 2.04 | 1 | 19 | | 1 |
| 26 | 91.61 | 0.49 | 0.51 | 91.32 | 0.49 | 0.40 | 8.76 | 0.72 | H | + 26.5 | 5.90 | | 21 | 2 | |
| 1017 | 91.04 | 0.46 | 0.47 | 91.10 | 0.43 | 0.41 | 15.01 | 0.71 | H | + 10.0 | 5.94 | | 39 | | |
| 31 | 91.28 | 0.42 | 0.37 | 91.15 | 0.42 | 0.39 | 15.94 | 0.48 | H | + 9.5 | 5.09 | | 19 | | 1 |
| 28 | 91.23 | 0.66 | 0.25 | 90.96 | 0.52 | 0.23 | 10.69 | 0.78 | H | + 32.3 | 4.44 | 1 | 19 | | 1 |
| 30 | 91.25 | 0.70 | 0.35 | 91.72 | 0.53 | 0.34 | 64.69 | 1.03 | H | + 8.1 | 5.17 | | 39 | | |
| 1022 | 91.25 | 0.73 | 0.27 | 91.22 | 0.51 | 0.24 | 6.28 | 0.85 | H | + 15.8 | 4.78 | 1 | 31 | | |
| 34 | 91.32 | 0.42 | 0.40 | 91.27 | 0.44 | 0.41 | 15.52 | 0.52 | H | + 5.1 | 5.45 | | 31 | | |
| 1023 | 90.95 | 0.61 | 0.35 | 91.70 | 0.43 | 0.30 | 4.63 | 0.74 | H | - 0.5 | 5.44 | | 31 | | |
| 35 | 91.11 | 0.64 | 0.42 | 91.01 | 0.55 | 0.36 | 4.85 | 0.84 | H | + 10.2 | 4.30 | | 29 | 2 | |
| 1024 | 91.14 | 0.69 | 0.38 | 91.31 | 0.47 | 0.33 | 11.03 | 0.79 | H | - 27.4 | 6.57 | | 38 | | |
| 1025 | 91.39 | 0.83 | 0.49 | 91.58 | 0.55 | 0.40 | 11.76 | 0.87 | H | - 26.1 | 6.47 | | 21 | 2 | |
| 1027 | 91.34 | 0.42 | 0.39 | 91.22 | 0.42 | 0.39 | 8.86 | 0.55 | H | + 13.0 | 6.12 | | 11 | 1 | 3 |
| 1026 | 91.22 | 0.60 | 0.50 | 91.60 | 0.54 | 0.43 | 14.39 | 0.73 | H | - 8.0 | 5.50 | | 19 | | 1 |
| 36 | 91.18 | 0.73 | 0.22 | 91.64 | 0.50 | 0.19 | 17.14 | 0.81 | H | + 7.0 | 4.27 | | 21 | 2 | |
| 1029 | 91.32 | 0.62 | 0.49 | 91.47 | 0.55 | 0.43 | 9.31 | 0.90 | H | + 30.6 | 6.12 | | 21 | 2 | |
| 39 | 91.34 | 0.41 | 0.38 | 91.32 | 0.41 | 0.36 | 11.68 | 0.50 | H | - 7.8 | 5.36 | 2 | 11 | 1 | 3 |
| 40 | 91.21 | 0.60 | 0.26 | 91.27 | 0.47 | 0.27 | 27.73 | 0.71 | H | + 11.9 | 3.46 | | 15 | 1 | 3 |
| 906 | 91.42 | 0.40 | 0.29 | 91.11 | 0.46 | 0.31 | 10.43 | 0.50 | H | + 8.5 | 4.24 | | 11 | 1 | 3 |
| 1032 | 91.08 | 0.64 | 0.38 | 91.13 | 0.42 | 0.31 | 7.42 | 0.68 | H | + 15.8 | 4.66 | | 21 | 2 | |
| 43 | 90.92 | 0.72 | 0.29 | 90.81 | 0.54 | 0.29 | 20.11 | 0.87 | H | + 29.8 | 4.51 | | 29 | 2 | |
| 41 | 91.03 | 0.41 | 0.31 | 91.27 | 0.45 | 0.30 | 11.98 | 0.52 | H | + 18.0 | 5.60 | | 31 | | |
| 44 | 91.51 | 0.50 | 0.44 | 91.04 | 0.43 | 0.40 | 13.62 | 0.71 | H | + 10.0 | 5.95 | 1 | 19 | | 1 |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------------|--|---------|---------|---------|--------------------------------------|---------|---------|---------|
| FK6 No. | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 904 | + 0.07 | + 2.37 | + 2.63 | + 49.66 | + 3.02 | + 0.27 | + 0.27 | + 61.80 |
| 1630 | + 13.19 | - 8.61 | - 12.90 | + 98.94 | - 1.59 | - 3.35 | - 4.29 | - 29.71 |
| 905 | - 2.96 | + 18.86 | + 23.42 | - 16.21 | - 5.31 | + 10.57 | + 11.04 | - 7.53 |
| 1001 | + 2.51 | - 0.19 | - 0.27 | + 65.05 | + 0.54 | - 0.44 | - 0.52 | - 29.14 |
| 1003 | + 16.03 | + 2.95 | + 3.12 | +125.41 | + 9.85 | - 6.00 | - 6.51 | - 21.29 |
| 4 | + 3.50 | - 5.68 | - 6.88 | + 8.52 | + 0.14 | - 2.37 | - 2.84 | - 27.37 |
| 6 | + 8.67 | - 9.75 | - 10.77 | + 22.97 | + 29.11 | - 16.52 | - 17.82 | +135.62 |
| 1655 | + 2.01 | - 2.44 | - 4.66 | - 51.21 | - 2.98 | + 3.96 | + 6.34 | - 52.68 |
| 1004 | + 7.83 | - 3.28 | - 3.89 | + 44.45 | - 4.82 | + 1.32 | + 1.41 | - 29.87 |
| 1005 | + 7.45 | - 10.45 | - 11.34 | + 18.08 | + 13.59 | - 2.17 | - 2.42 | + 97.47 |
| 1006 | - 0.69 | + 9.31 | + 11.87 | + 18.03 | - 11.18 | + 7.45 | + 8.87 | - 50.54 |
| 9 | - 13.62 | - 2.73 | - 2.90 | - 74.20 | + 1.87 | - 11.13 | - 11.74 | - 9.92 |
| 10 | - 2.83 | + 1.64 | + 1.73 | - 7.44 | - 2.57 | + 2.72 | + 2.89 | - 4.42 |
| 1007 | + 10.19 | + 1.17 | + 1.08 | +254.97 | - 0.87 | - 1.11 | - 1.54 | - 91.36 |
| 1008 | - 1.65 | - 3.12 | - 3.64 | - 16.53 | - 3.22 | - 1.83 | - 2.08 | - 41.00 |
| 1009 | + 4.87 | + 1.40 | + 1.40 | + 20.26 | - 2.69 | - 3.98 | - 4.24 | - 39.14 |
| 1010 | + 4.05 | + 2.49 | + 3.17 | + 35.20 | - 9.30 | - 1.59 | - 1.50 | -126.14 |
| 11 | + 13.30 | + 2.50 | + 2.58 | +106.85 | - 8.35 | - 1.40 | - 1.40 | -102.32 |
| 1012 | - 1.11 | + 2.59 | + 3.41 | + 21.12 | + 4.08 | - 5.96 | - 7.70 | - 37.23 |
| 14 | + 7.43 | - 6.40 | - 7.41 | + 41.93 | - 5.73 | + 3.44 | + 3.70 | - 37.74 |
| 16 | - 0.19 | - 0.09 | - 0.18 | - 19.11 | - 0.17 | + 0.00 | + 0.09 | - 25.28 |
| 1013 | - 0.40 | + 4.66 | + 6.13 | + 31.43 | + 3.05 | - 5.05 | - 6.00 | -120.29 |
| 1014 | - 1.07 | - 1.06 | - 1.23 | - 13.04 | - 15.31 | + 5.26 | + 5.79 | - 68.21 |
| 17 | + 3.23 | - 1.58 | - 1.84 | + 21.84 | + 1.15 | + 0.32 | + 0.41 | + 16.96 |
| 19 | + 1.87 | - 10.24 | - 11.41 | + 5.97 | + 2.19 | - 3.82 | - 4.25 | + 9.69 |
| 1015 | + 47.56 | - 33.97 | - 40.45 | +132.44 | + 0.34 | + 6.54 | + 7.72 | +145.77 |
| 1016 | + 0.16 | - 1.83 | - 4.12 | - 91.67 | + 2.18 | - 1.66 | - 3.95 | - 20.26 |
| 22 | + 1.34 | - 5.12 | - 5.64 | + 4.28 | - 2.99 | + 1.56 | + 1.56 | - 16.29 |
| 26 | - 12.07 | + 13.55 | + 17.78 | - 49.18 | - 24.09 | + 13.39 | + 16.36 | - 86.92 |
| 1017 | + 5.54 | - 1.24 | - 1.59 | + 33.75 | - 11.32 | + 0.52 | + 0.69 | -172.30 |
| 31 | + 6.63 | - 2.63 | - 2.97 | + 37.17 | + 8.41 | - 2.06 | - 2.42 | +131.54 |
| 28 | + 2.83 | + 2.08 | + 2.34 | + 19.94 | - 4.71 | + 0.46 | + 0.55 | - 51.40 |
| 30 | + 10.19 | + 19.03 | + 21.48 | + 44.57 | + 11.28 | + 9.23 | + 10.40 | + 80.42 |
| 1022 | + 1.78 | - 0.22 | - 0.67 | + 18.39 | - 5.63 | - 7.04 | - 7.92 | - 90.50 |
| 34 | + 1.72 | - 1.56 | - 1.74 | - 57.37 | - 6.24 | + 4.88 | + 5.49 | + 21.23 |
| 1023 | + 1.65 | - 11.56 | - 15.75 | + 3.39 | + 0.39 | - 3.68 | - 4.81 | - 23.69 |
| 35 | - 1.63 | + 11.43 | + 19.44 | - 26.13 | - 2.45 | + 10.07 | + 13.96 | + 8.23 |
| 1024 | + 14.76 | - 0.70 | - 1.14 | +127.53 | - 0.85 | - 1.91 | - 2.17 | - 34.81 |
| 1025 | + 12.01 | - 2.52 | - 4.00 | +118.28 | + 15.94 | - 8.58 | - 10.09 | +107.01 |
| 1027 | - 2.33 | + 1.30 | + 1.56 | + 10.30 | + 1.04 | - 0.09 | - 0.18 | + 31.60 |
| 1026 | - 3.29 | + 2.39 | + 3.08 | - 31.56 | - 9.03 | + 4.18 | + 4.93 | - 94.06 |
| 36 | + 1.81 | - 2.17 | - 2.26 | + 5.49 | - 15.42 | + 8.28 | + 8.70 | - 69.54 |
| 1029 | + 28.30 | - 23.63 | - 30.60 | +229.53 | - 27.87 | + 12.17 | + 13.86 | -195.25 |
| 39 | - 0.39 | - 0.87 | - 0.95 | - 29.23 | + 2.05 | - 0.70 | - 0.79 | + 22.73 |
| 40 | + 4.75 | - 1.90 | - 1.99 | + 17.13 | + 3.48 | + 1.72 | + 1.72 | + 27.19 |
| 906 | - 3.09 | + 3.64 | + 3.97 | - 4.59 | - 5.38 | + 2.77 | + 3.13 | -109.82 |
| 1032 | - 6.34 | + 14.88 | + 18.87 | - 32.81 | + 6.45 | - 0.44 | + 0.01 | + 44.87 |
| 43 | - 23.91 | + 6.54 | + 7.97 | - 91.87 | + 5.86 | - 20.17 | - 21.53 | + 13.69 |
| 41 | - 9.87 | + 8.29 | + 9.10 | - 68.30 | - 0.34 | + 1.40 | + 1.38 | + 21.50 |
| 44 | - 3.04 | + 1.13 | + 1.29 | - 22.71 | - 4.94 | + 1.99 | + 2.26 | - 53.27 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|---|--------|--------|--------|---------|---|--------|--------|--------|---------|
| FK6 | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| No. | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 904 | - 0.46 | + 0.27 | + 0.30 | + 0.28 | - 1.09 | + 0.05 | + 0.03 | + 0.03 | + 0.86 | - 0.32 |
| 1630 | + 0.23 | - 0.97 | - 1.46 | + 1.48 | - 0.61 | + 0.09 | - 0.39 | - 0.50 | - 0.24 | + 0.30 |
| 905 | - 0.18 | + 2.19 | + 2.73 | - 0.38 | - 0.11 | - 0.68 | + 1.22 | + 1.27 | - 0.74 | - 0.71 |
| 1001 | + 0.07 | - 0.02 | - 0.03 | + 1.22 | - 0.67 | + 0.14 | - 0.05 | - 0.06 | - 0.26 | + 0.42 |
| 1003 | + 0.12 | + 0.35 | + 0.37 | + 2.24 | - 1.31 | + 1.56 | - 0.70 | - 0.76 | + 1.17 | + 2.00 |
| 4 | + 0.43 | - 0.66 | - 0.80 | + 0.58 | + 0.48 | + 0.18 | - 0.25 | - 0.30 | - 0.16 | + 0.44 |
| 6 | + 0.91 | - 1.14 | - 1.26 | + 1.21 | + 0.83 | + 2.65 | - 1.91 | - 2.06 | + 4.23 | + 2.06 |
| 1655 | + 0.28 | - 0.29 | - 0.55 | - 0.12 | + 0.77 | - 0.36 | + 0.45 | + 0.72 | - 1.13 | - 0.46 |
| 1004 | + 0.37 | - 0.37 | - 0.44 | + 1.16 | - 0.11 | - 0.32 | + 0.15 | + 0.16 | - 0.77 | - 0.05 |
| 1005 | + 0.70 | - 1.18 | - 1.28 | + 0.93 | + 0.60 | + 0.24 | - 0.26 | - 0.29 | + 1.46 | - 0.60 |
| 1006 | - 0.39 | + 1.06 | + 1.35 | - 0.17 | - 0.81 | - 1.24 | + 0.84 | + 1.00 | - 2.07 | - 1.17 |
| 9 | - 0.15 | - 0.31 | - 0.33 | - 0.94 | + 0.45 | + 0.45 | - 1.28 | - 1.35 | + 0.34 | + 0.56 |
| 10 | - 0.30 | + 0.19 | + 0.20 | - 0.41 | - 0.28 | - 0.32 | + 0.31 | + 0.33 | - 0.37 | - 0.34 |
| 1007 | + 0.12 | + 0.14 | + 0.13 | + 4.37 | - 3.02 | + 0.16 | - 0.13 | - 0.18 | - 1.25 | + 1.00 |
| 1008 | + 0.07 | - 0.36 | - 0.42 | - 0.14 | + 0.28 | + 0.02 | - 0.22 | - 0.25 | - 0.45 | + 0.35 |
| 1009 | - 0.01 | + 0.15 | + 0.15 | + 0.26 | - 0.34 | + 0.33 | - 0.46 | - 0.49 | - 0.16 | + 0.76 |
| 1010 | + 0.01 | + 0.29 | + 0.37 | + 0.47 | - 0.33 | - 0.07 | - 0.20 | - 0.19 | - 1.61 | + 0.70 |
| 11 | - 0.12 | + 0.29 | + 0.30 | + 0.97 | - 1.05 | + 0.07 | - 0.16 | - 0.16 | - 0.93 | + 0.60 |
| 1012 | - 0.31 | + 0.29 | + 0.38 | + 0.00 | - 0.72 | + 0.70 | - 0.69 | - 0.89 | + 0.23 | + 1.26 |
| 14 | + 0.34 | - 0.75 | - 0.87 | + 0.89 | - 0.02 | - 0.40 | + 0.40 | + 0.43 | - 0.86 | - 0.18 |
| 16 | + 0.00 | - 0.01 | - 0.02 | - 0.27 | + 0.16 | + 0.00 | + 0.00 | + 0.01 | - 0.31 | + 0.15 |
| 1013 | - 0.28 | + 0.54 | + 0.71 | + 0.14 | - 0.71 | + 0.74 | - 0.58 | - 0.69 | - 0.72 | + 1.63 |
| 1014 | + 0.06 | - 0.13 | - 0.15 | - 0.12 | + 0.27 | - 1.50 | + 0.60 | + 0.66 | - 2.39 | - 1.20 |
| 17 | + 0.15 | - 0.18 | - 0.21 | + 0.44 | - 0.06 | + 0.02 | + 0.04 | + 0.05 | + 0.22 | - 0.09 |
| 19 | + 0.17 | - 1.14 | - 1.27 | + 0.24 | + 0.15 | + 0.10 | - 0.44 | - 0.49 | + 0.21 | + 0.04 |
| 1015 | + 5.75 | - 3.73 | - 4.44 | + 8.23 | + 6.15 | - 0.77 | + 0.78 | + 0.92 | + 1.17 | - 2.32 |
| 1016 | + 0.22 | - 0.22 | - 0.49 | - 1.48 | + 1.78 | + 0.32 | - 0.19 | - 0.45 | + 0.32 | + 1.10 |
| 22 | + 0.06 | - 0.60 | - 0.66 | + 0.09 | + 0.03 | - 0.08 | + 0.18 | + 0.18 | - 0.22 | + 0.00 |
| 26 | - 1.37 | + 1.60 | + 2.10 | - 2.41 | - 1.42 | - 2.80 | + 1.54 | + 1.88 | - 4.22 | - 2.92 |
| 1017 | + 0.49 | - 0.14 | - 0.18 | + 1.17 | + 0.18 | - 0.39 | + 0.06 | + 0.08 | - 3.17 | + 1.77 |
| 31 | + 0.52 | - 0.30 | - 0.34 | + 1.03 | + 0.22 | + 0.29 | - 0.23 | - 0.27 | + 1.96 | - 0.57 |
| 28 | + 0.01 | + 0.24 | + 0.27 | + 0.23 | - 0.14 | - 0.05 | + 0.05 | + 0.06 | - 0.58 | + 0.19 |
| 30 | - 0.09 | + 2.18 | + 2.46 | + 0.40 | - 0.67 | - 0.04 | + 1.10 | + 1.24 | + 0.92 | - 0.78 |
| 1022 | - 0.03 | - 0.02 | - 0.07 | + 0.22 | - 0.20 | + 0.22 | - 0.81 | - 0.91 | - 0.81 | + 0.87 |
| 34 | + 0.75 | - 0.18 | - 0.20 | - 0.22 | + 1.67 | - 0.96 | + 0.56 | + 0.63 | - 0.68 | - 1.33 |
| 1023 | + 0.33 | - 1.30 | - 1.77 | + 0.47 | + 0.50 | + 0.20 | - 0.46 | - 0.60 | - 0.12 | + 0.48 |
| 35 | - 0.18 | + 1.28 | + 2.18 | - 0.67 | - 0.13 | - 0.44 | + 1.12 | + 1.55 | - 0.44 | - 0.69 |
| 1024 | + 0.28 | - 0.08 | - 0.13 | + 2.52 | - 0.89 | + 0.25 | - 0.22 | - 0.25 | - 0.29 | + 0.61 |
| 1025 | + 0.21 | - 0.27 | - 0.44 | + 2.23 | - 1.08 | + 1.35 | - 1.02 | - 1.20 | + 2.99 | + 0.74 |
| 1027 | - 0.38 | + 0.15 | + 0.18 | - 0.23 | - 0.64 | + 0.03 | - 0.01 | - 0.02 | + 0.47 | - 0.18 |
| 1026 | - 0.12 | + 0.28 | + 0.36 | - 0.62 | + 0.24 | - 0.59 | + 0.50 | + 0.59 | - 1.85 | + 0.04 |
| 36 | + 0.08 | - 0.25 | - 0.26 | + 0.13 | + 0.03 | - 0.39 | + 1.00 | + 1.05 | - 1.01 | + 0.03 |
| 1029 | + 2.06 | - 2.70 | - 3.50 | + 5.99 | + 0.26 | - 2.68 | + 1.40 | + 1.59 | - 5.73 | - 1.77 |
| 39 | + 0.17 | - 0.10 | - 0.11 | - 0.27 | + 0.52 | + 0.17 | - 0.08 | - 0.09 | + 0.45 | + 0.05 |
| 40 | + 0.16 | - 0.22 | - 0.23 | + 0.34 | + 0.01 | - 0.09 | + 0.20 | + 0.20 | + 0.21 | - 0.30 |
| 906 | - 0.38 | + 0.43 | + 0.47 | - 0.43 | - 0.42 | - 0.17 | + 0.32 | + 0.36 | - 1.36 | + 0.17 |
| 1032 | - 0.63 | + 1.68 | + 2.13 | - 1.24 | - 0.53 | + 0.46 | - 0.05 | + 0.00 | + 1.06 | + 0.12 |
| 43 | - 0.41 | + 0.73 | + 0.89 | - 1.45 | + 0.64 | + 0.81 | - 2.21 | - 2.36 | + 0.97 | + 0.86 |
| 41 | - 0.65 | + 0.93 | + 1.02 | - 1.51 | - 0.30 | - 0.19 | + 0.18 | + 0.18 | + 0.06 | - 0.31 |
| 44 | - 0.17 | + 0.13 | + 0.15 | - 0.53 | + 0.07 | - 0.32 | + 0.22 | + 0.25 | - 1.01 | + 0.04 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------|------------|-------|-------|-------|--------------------------------|------|------|-------|--|------|------|------|---------|
| FK6 | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu, \alpha^*}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 904 | 84.73 | 91.19 | 91.19 | 56.87 | 12.13 | 0.40 | 0.40 | 27.86 | 0.66 | 0.45 | 0.46 | 1.08 | 0.81 |
| 1630 | 77.85 | 91.23 | 91.23 | 49.94 | 8.62 | 0.80 | 0.80 | 15.15 | 0.33 | 0.93 | 1.09 | 0.52 | 0.37 |
| 905 | 72.17 | 91.58 | 91.58 | 42.46 | 10.41 | 0.82 | 0.82 | 16.63 | 0.33 | 0.98 | 1.09 | 0.51 | 0.34 |
| 1001 | 88.68 | 91.20 | 91.20 | 62.33 | 8.63 | 0.45 | 0.45 | 28.96 | 0.72 | 0.48 | 0.50 | 1.27 | 1.00 |
| 1003 | 80.68 | 91.30 | 91.30 | 61.40 | 12.65 | 0.70 | 0.70 | 21.25 | 0.67 | 0.71 | 0.73 | 1.09 | 0.71 |
| 4 | 85.28 | 91.46 | 91.46 | 56.07 | 6.28 | 0.40 | 0.40 | 15.21 | 0.34 | 0.40 | 0.42 | 0.53 | 0.43 |
| 6 | 82.32 | 91.56 | 91.56 | 57.75 | 14.70 | 0.48 | 0.48 | 28.46 | 0.69 | 0.61 | 0.62 | 1.03 | 0.84 |
| 1655 | 90.20 | 91.35 | 91.35 | 34.33 | 5.03 | 0.54 | 0.54 | 36.41 | 0.48 | 0.52 | 0.61 | 1.03 | 0.64 |
| 1004 | 81.70 | 91.20 | 91.20 | 64.24 | 9.35 | 0.61 | 0.61 | 15.73 | 0.53 | 0.64 | 0.68 | 0.84 | 0.58 |
| 1005 | 77.06 | 91.12 | 91.12 | 61.31 | 11.15 | 0.51 | 0.51 | 16.20 | 0.50 | 0.56 | 0.57 | 0.71 | 0.54 |
| 1006 | 84.51 | 91.06 | 91.06 | 60.15 | 8.21 | 0.62 | 0.62 | 17.67 | 0.47 | 0.62 | 0.67 | 0.77 | 0.57 |
| 9 | 70.66 | 91.39 | 91.39 | 43.93 | 9.17 | 0.72 | 0.72 | 13.89 | 0.29 | 0.71 | 0.76 | 0.45 | 0.29 |
| 10 | 81.49 | 91.34 | 91.34 | 57.53 | 15.11 | 0.46 | 0.46 | 28.08 | 0.71 | 0.51 | 0.52 | 1.09 | 0.83 |
| 1007 | 88.29 | 91.18 | 91.18 | 61.92 | 7.34 | 0.72 | 0.72 | 23.19 | 0.59 | 0.84 | 1.04 | 0.97 | 0.79 |
| 1008 | 80.26 | 91.24 | 91.24 | 54.31 | 8.98 | 0.68 | 0.68 | 16.46 | 0.38 | 0.57 | 0.60 | 0.58 | 0.45 |
| 1009 | 76.30 | 90.94 | 90.94 | 61.08 | 10.59 | 0.53 | 0.53 | 15.04 | 0.47 | 0.57 | 0.58 | 0.65 | 0.50 |
| 1010 | 79.57 | 91.46 | 91.46 | 52.24 | 7.46 | 0.81 | 0.81 | 13.61 | 0.31 | 0.75 | 0.88 | 0.50 | 0.35 |
| 11 | 75.84 | 91.30 | 91.30 | 43.89 | 14.76 | 0.42 | 0.42 | 25.86 | 0.49 | 0.47 | 0.48 | 0.76 | 0.55 |
| 1012 | 87.44 | 91.21 | 91.21 | 62.22 | 6.13 | 0.60 | 0.60 | 16.95 | 0.45 | 0.56 | 0.63 | 0.75 | 0.59 |
| 14 | 79.13 | 91.53 | 91.53 | 53.36 | 11.87 | 0.67 | 0.67 | 20.98 | 0.49 | 0.80 | 0.85 | 0.75 | 0.55 |
| 16 | 89.99 | 91.14 | 91.14 | 51.76 | 2.83 | 0.36 | 0.36 | 16.08 | 0.29 | 0.32 | 0.39 | 0.57 | 0.41 |
| 1013 | 86.25 | 91.18 | 91.18 | 55.53 | 8.96 | 0.62 | 0.62 | 23.97 | 0.54 | 0.75 | 0.84 | 0.92 | 0.67 |
| 1014 | 83.52 | 91.20 | 91.20 | 62.18 | 14.46 | 0.40 | 0.40 | 28.04 | 0.79 | 0.53 | 0.54 | 1.21 | 0.97 |
| 17 | 82.01 | 91.21 | 91.21 | 55.12 | 7.64 | 0.40 | 0.40 | 15.12 | 0.35 | 0.40 | 0.42 | 0.53 | 0.42 |
| 19 | 70.48 | 90.98 | 90.98 | 52.82 | 9.96 | 0.66 | 0.66 | 13.55 | 0.36 | 0.70 | 0.73 | 0.50 | 0.36 |
| 1015 | 85.80 | 90.86 | 90.86 | 63.36 | 11.62 | 0.48 | 0.48 | 26.35 | 0.74 | 0.57 | 0.59 | 1.19 | 0.96 |
| 1016 | 90.22 | 91.67 | 91.67 | 67.26 | 6.28 | 0.60 | 0.60 | 28.56 | 0.78 | 0.68 | 0.77 | 1.56 | 1.17 |
| 22 | 60.29 | 91.41 | 91.41 | 36.70 | 10.90 | 0.64 | 0.64 | 14.46 | 0.29 | 0.80 | 0.83 | 0.43 | 0.26 |
| 26 | 87.32 | 91.62 | 91.62 | 62.31 | 10.20 | 0.49 | 0.49 | 27.53 | 0.71 | 0.68 | 0.72 | 1.16 | 0.94 |
| 1017 | 87.22 | 91.05 | 91.05 | 67.81 | 12.34 | 0.46 | 0.46 | 29.81 | 0.95 | 0.53 | 0.54 | 1.55 | 1.28 |
| 31 | 84.35 | 91.28 | 91.28 | 56.75 | 12.37 | 0.42 | 0.42 | 27.65 | 0.64 | 0.45 | 0.46 | 0.98 | 0.80 |
| 28 | 72.94 | 91.30 | 91.30 | 43.43 | 9.38 | 0.67 | 0.67 | 15.16 | 0.31 | 0.65 | 0.69 | 0.51 | 0.32 |
| 30 | 72.32 | 91.27 | 91.27 | 52.77 | 12.55 | 0.70 | 0.70 | 17.89 | 0.46 | 0.91 | 0.96 | 0.66 | 0.47 |
| 1022 | 78.37 | 91.35 | 91.35 | 51.38 | 7.80 | 0.74 | 0.74 | 13.71 | 0.32 | 0.72 | 0.81 | 0.52 | 0.34 |
| 34 | 86.00 | 91.32 | 91.32 | 61.87 | 12.42 | 0.42 | 0.42 | 29.39 | 0.79 | 0.45 | 0.46 | 1.29 | 1.00 |
| 1023 | 84.61 | 91.03 | 91.03 | 59.81 | 7.29 | 0.62 | 0.62 | 15.92 | 0.41 | 0.64 | 0.72 | 0.63 | 0.51 |
| 35 | 86.26 | 91.13 | 91.13 | 53.63 | 7.82 | 0.64 | 0.64 | 21.54 | 0.46 | 0.85 | 1.04 | 0.74 | 0.57 |
| 1024 | 80.70 | 91.21 | 91.21 | 60.37 | 9.82 | 0.69 | 0.69 | 16.80 | 0.52 | 0.65 | 0.68 | 0.91 | 0.55 |
| 1025 | 83.27 | 91.43 | 91.43 | 61.40 | 10.62 | 0.83 | 0.83 | 20.50 | 0.60 | 0.91 | 1.00 | 0.98 | 0.68 |
| 1027 | 87.36 | 91.34 | 91.34 | 61.12 | 10.29 | 0.42 | 0.42 | 28.61 | 0.73 | 0.44 | 0.45 | 1.23 | 0.95 |
| 1026 | 85.29 | 91.25 | 91.25 | 60.74 | 11.99 | 0.60 | 0.60 | 27.12 | 0.69 | 0.71 | 0.75 | 1.05 | 0.89 |
| 36 | 65.34 | 91.34 | 91.34 | 45.15 | 9.38 | 0.73 | 0.73 | 12.50 | 0.29 | 0.69 | 0.72 | 0.42 | 0.27 |
| 1029 | 85.52 | 91.35 | 91.35 | 60.23 | 10.18 | 0.62 | 0.62 | 23.65 | 0.62 | 0.79 | 0.86 | 1.01 | 0.76 |
| 39 | 85.90 | 91.35 | 91.35 | 56.95 | 11.35 | 0.41 | 0.41 | 28.73 | 0.67 | 0.45 | 0.46 | 1.10 | 0.84 |
| 40 | 68.55 | 91.26 | 91.26 | 48.31 | 10.98 | 0.60 | 0.60 | 15.10 | 0.37 | 0.62 | 0.64 | 0.55 | 0.35 |
| 906 | 80.66 | 91.43 | 91.43 | 39.26 | 10.54 | 0.40 | 0.40 | 23.34 | 0.43 | 0.42 | 0.43 | 0.89 | 0.45 |
| 1032 | 82.67 | 91.12 | 91.12 | 60.53 | 8.67 | 0.64 | 0.64 | 16.42 | 0.47 | 0.71 | 0.77 | 0.75 | 0.54 |
| 43 | 71.61 | 91.02 | 91.02 | 53.14 | 10.34 | 0.72 | 0.72 | 14.41 | 0.37 | 0.83 | 0.88 | 0.53 | 0.38 |
| 41 | 79.12 | 91.03 | 91.03 | 46.03 | 10.68 | 0.41 | 0.41 | 20.63 | 0.42 | 0.50 | 0.52 | 0.73 | 0.46 |
| 44 | 85.04 | 91.52 | 91.52 | 61.50 | 11.65 | 0.51 | 0.51 | 25.48 | 0.68 | 0.56 | 0.58 | 1.05 | 0.85 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 904 | 84.27 | 91.22 | 91.22 | 45.25 | 12.41 | 0.39 | 0.39 | 31.86 | 0.60 | 0.39 | 0.40 | 1.11 | 0.69 |
| 1630 | 79.22 | 91.49 | 91.49 | 39.84 | 9.16 | 0.40 | 0.40 | 18.93 | 0.33 | 0.42 | 0.44 | 0.58 | 0.37 |
| 905 | 73.39 | 91.46 | 91.46 | 36.51 | 10.94 | 0.41 | 0.41 | 19.15 | 0.35 | 0.41 | 0.42 | 0.63 | 0.35 |
| 1001 | 88.79 | 91.28 | 91.28 | 51.95 | 8.75 | 0.41 | 0.41 | 34.98 | 0.67 | 0.40 | 0.41 | 1.27 | 0.89 |
| 1003 | 82.56 | 91.41 | 91.41 | 53.63 | 13.79 | 0.41 | 0.41 | 28.69 | 0.68 | 0.42 | 0.42 | 1.19 | 0.76 |
| 4 | 86.21 | 90.95 | 90.95 | 47.67 | 6.49 | 0.38 | 0.38 | 19.14 | 0.36 | 0.41 | 0.44 | 0.64 | 0.44 |
| 6 | 81.39 | 91.35 | 91.35 | 45.78 | 15.19 | 0.42 | 0.42 | 32.63 | 0.63 | 0.49 | 0.50 | 1.05 | 0.72 |
| 1655 | 89.68 | 91.13 | 91.13 | 27.45 | 5.01 | 0.48 | 0.48 | 32.22 | 0.42 | 0.46 | 0.52 | 1.02 | 0.51 |
| 1004 | 83.66 | 91.26 | 91.26 | 59.07 | 10.15 | 0.45 | 0.45 | 20.91 | 0.54 | 0.52 | 0.54 | 0.86 | 0.65 |
| 1005 | 77.66 | 91.25 | 91.25 | 50.19 | 12.57 | 0.42 | 0.42 | 21.85 | 0.49 | 0.42 | 0.43 | 0.77 | 0.53 |
| 1006 | 85.90 | 90.99 | 90.99 | 55.58 | 8.54 | 0.38 | 0.38 | 22.07 | 0.51 | 0.40 | 0.41 | 0.89 | 0.62 |
| 9 | 71.90 | 91.30 | 91.30 | 32.95 | 9.96 | 0.43 | 0.43 | 17.29 | 0.29 | 0.41 | 0.42 | 0.51 | 0.30 |
| 10 | 80.70 | 91.19 | 91.19 | 44.61 | 15.77 | 0.51 | 0.51 | 33.16 | 0.63 | 0.57 | 0.58 | 1.06 | 0.71 |
| 1007 | 88.52 | 91.46 | 91.46 | 55.57 | 7.42 | 0.51 | 0.51 | 26.71 | 0.58 | 0.49 | 0.53 | 1.08 | 0.74 |
| 1008 | 80.89 | 91.65 | 91.65 | 45.01 | 9.43 | 0.52 | 0.52 | 19.90 | 0.37 | 0.45 | 0.47 | 0.59 | 0.43 |
| 1009 | 78.35 | 91.33 | 91.33 | 50.39 | 12.32 | 0.46 | 0.46 | 21.93 | 0.48 | 0.46 | 0.47 | 0.73 | 0.54 |
| 1010 | 79.94 | 91.83 | 91.83 | 42.95 | 7.79 | 0.60 | 0.60 | 16.05 | 0.30 | 0.57 | 0.63 | 0.54 | 0.33 |
| 11 | 73.83 | 91.22 | 91.22 | 28.53 | 15.27 | 0.45 | 0.45 | 28.97 | 0.44 | 0.48 | 0.49 | 0.76 | 0.46 |
| 1012 | 87.55 | 91.35 | 91.35 | 53.26 | 6.24 | 0.47 | 0.47 | 19.95 | 0.42 | 0.43 | 0.47 | 0.80 | 0.52 |
| 14 | 81.27 | 91.53 | 91.53 | 46.67 | 12.68 | 0.51 | 0.51 | 26.77 | 0.53 | 0.60 | 0.62 | 0.87 | 0.60 |
| 16 | 90.17 | 91.27 | 91.27 | 41.93 | 2.84 | 0.39 | 0.39 | 19.09 | 0.29 | 0.34 | 0.42 | 0.55 | 0.39 |
| 1013 | 87.34 | 91.17 | 91.17 | 42.63 | 9.26 | 0.48 | 0.48 | 32.68 | 0.55 | 0.50 | 0.53 | 1.06 | 0.67 |
| 1014 | 84.10 | 91.20 | 91.20 | 51.84 | 15.26 | 0.41 | 0.41 | 35.84 | 0.76 | 0.46 | 0.47 | 1.26 | 0.91 |
| 17 | 82.46 | 91.11 | 91.11 | 42.60 | 8.02 | 0.37 | 0.37 | 18.88 | 0.33 | 0.39 | 0.40 | 0.56 | 0.39 |
| 19 | 70.82 | 91.21 | 91.21 | 45.56 | 10.91 | 0.53 | 0.53 | 16.32 | 0.36 | 0.48 | 0.49 | 0.54 | 0.36 |
| 1015 | 86.46 | 91.11 | 91.11 | 52.15 | 12.13 | 0.46 | 0.46 | 34.68 | 0.70 | 0.46 | 0.47 | 1.18 | 0.89 |
| 1016 | 90.45 | 91.25 | 91.25 | 61.75 | 6.35 | 0.60 | 0.60 | 38.63 | 0.79 | 0.63 | 0.70 | 1.55 | 1.31 |
| 22 | 60.87 | 91.26 | 91.26 | 25.46 | 12.15 | 0.51 | 0.51 | 17.88 | 0.30 | 0.53 | 0.54 | 0.50 | 0.27 |
| 26 | 87.55 | 91.32 | 91.32 | 52.57 | 10.44 | 0.49 | 0.49 | 33.72 | 0.67 | 0.48 | 0.49 | 1.13 | 0.87 |
| 1017 | 87.59 | 91.10 | 91.10 | 61.95 | 12.68 | 0.44 | 0.44 | 35.87 | 0.89 | 0.44 | 0.45 | 1.44 | 1.23 |
| 31 | 84.33 | 91.15 | 91.15 | 45.96 | 12.73 | 0.42 | 0.42 | 32.58 | 0.61 | 0.51 | 0.52 | 1.06 | 0.72 |
| 28 | 73.37 | 91.01 | 91.01 | 30.88 | 10.01 | 0.52 | 0.52 | 18.40 | 0.30 | 0.45 | 0.46 | 0.53 | 0.31 |
| 30 | 75.42 | 91.69 | 91.69 | 48.77 | 13.94 | 0.53 | 0.53 | 22.82 | 0.51 | 0.61 | 0.63 | 0.79 | 0.53 |
| 1022 | 79.68 | 91.25 | 91.25 | 41.63 | 8.28 | 0.51 | 0.51 | 17.15 | 0.31 | 0.46 | 0.49 | 0.52 | 0.35 |
| 34 | 85.40 | 91.27 | 91.27 | 49.49 | 12.71 | 0.44 | 0.44 | 33.96 | 0.68 | 0.52 | 0.53 | 1.18 | 0.81 |
| 1023 | 85.52 | 91.75 | 91.75 | 53.90 | 7.54 | 0.44 | 0.44 | 19.19 | 0.42 | 0.42 | 0.44 | 0.73 | 0.51 |
| 35 | 86.64 | 91.02 | 91.02 | 42.99 | 7.98 | 0.55 | 0.55 | 25.92 | 0.44 | 0.59 | 0.65 | 0.78 | 0.54 |
| 1024 | 82.93 | 91.34 | 91.34 | 55.53 | 10.58 | 0.47 | 0.47 | 21.92 | 0.54 | 0.44 | 0.45 | 0.92 | 0.61 |
| 1025 | 84.93 | 91.59 | 91.59 | 55.20 | 11.26 | 0.55 | 0.55 | 26.85 | 0.62 | 0.53 | 0.55 | 1.07 | 0.74 |
| 1027 | 87.60 | 91.22 | 91.22 | 48.89 | 10.55 | 0.42 | 0.42 | 35.96 | 0.67 | 0.46 | 0.47 | 1.24 | 0.85 |
| 1026 | 85.42 | 91.63 | 91.63 | 50.11 | 12.38 | 0.54 | 0.54 | 32.81 | 0.65 | 0.59 | 0.61 | 1.09 | 0.79 |
| 36 | 63.51 | 91.70 | 91.70 | 33.17 | 10.23 | 0.50 | 0.50 | 14.81 | 0.27 | 0.45 | 0.46 | 0.42 | 0.25 |
| 1029 | 86.39 | 91.52 | 91.52 | 54.42 | 10.50 | 0.56 | 0.56 | 28.85 | 0.64 | 0.56 | 0.59 | 1.13 | 0.78 |
| 39 | 86.30 | 91.32 | 91.32 | 43.97 | 11.69 | 0.41 | 0.41 | 36.12 | 0.62 | 0.43 | 0.44 | 1.10 | 0.76 |
| 40 | 70.70 | 91.28 | 91.28 | 41.18 | 12.28 | 0.47 | 0.47 | 19.17 | 0.38 | 0.53 | 0.54 | 0.61 | 0.38 |
| 906 | 80.10 | 91.12 | 91.12 | 27.19 | 10.74 | 0.46 | 0.46 | 25.75 | 0.38 | 0.58 | 0.60 | 0.79 | 0.40 |
| 1032 | 84.09 | 91.14 | 91.14 | 53.51 | 9.18 | 0.42 | 0.42 | 21.10 | 0.46 | 0.43 | 0.45 | 0.76 | 0.56 |
| 43 | 73.35 | 90.85 | 90.85 | 45.76 | 11.56 | 0.54 | 0.54 | 18.44 | 0.39 | 0.54 | 0.55 | 0.62 | 0.41 |
| 41 | 78.77 | 91.26 | 91.26 | 34.85 | 11.02 | 0.46 | 0.46 | 23.42 | 0.39 | 0.52 | 0.54 | 0.74 | 0.42 |
| 44 | 85.12 | 91.04 | 91.04 | 49.04 | 12.11 | 0.44 | 0.44 | 31.81 | 0.62 | 0.51 | 0.52 | 1.03 | 0.76 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|------------|-----------|--------|--------|-----------------------|------|------|---------------------------------|-------------------------------|--|--------------------------------------|
| FK6 No. | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ [mas] | $\Delta\delta_{sys}$ [mas] | $\Delta\mu_{\alpha^*,sys}$ [mas/yr] | $\Delta\mu_{\delta,sys}$ [mas/yr] |
| | SI | STP | HIP | SI | STP | HIP | | | | |
| 904 | 14.75 | 14.77 | 14.77 | 0.47 | 0.47 | 0.47 | + 130.68 | + 26.01 | - 6.48 | - 0.78 |
| 1630 | 8.58 | 8.08 | 7.86 | 0.81 | 0.91 | 0.94 | - 6.11 | - 12.93 | + 1.46 | - 0.04 |
| 905 | 14.14 | 14.30 | 14.31 | 0.92 | 0.92 | 0.92 | + 11.38 | - 25.27 | + 0.89 | + 0.19 |
| 1001 | 5.70 | 5.70 | 5.70 | 0.53 | 0.53 | 0.53 | + 56.16 | + 27.20 | - 3.74 | - 0.58 |
| 1003 | 25.71 | 25.60 | 25.59 | 0.75 | 0.75 | 0.75 | + 3.01 | - 24.68 | + 1.27 | + 0.06 |
| 4 | 3.10 | 3.22 | 3.24 | 0.67 | 0.68 | 0.68 | + 9.19 | + 59.01 | + 1.81 | - 0.05 |
| 6 | 45.97 | 45.86 | 45.85 | 0.66 | 0.66 | 0.66 | - 55.37 | - 20.08 | + 1.73 | - 1.44 |
| 1655 | 1.95 | 1.82 | 1.73 | 0.59 | 0.60 | 0.60 | + 47.01 | - 22.04 | - 0.29 | - 2.99 |
| 1004 | 9.91 | 10.00 | 10.01 | 0.76 | 0.77 | 0.77 | - 17.42 | + 12.98 | + 0.65 | - 0.95 |
| 1005 | 23.03 | 23.11 | 23.11 | 0.67 | 0.68 | 0.68 | + 17.79 | + 37.31 | + 1.23 | - 0.47 |
| 1006 | 5.89 | 5.99 | 6.00 | 0.76 | 0.77 | 0.77 | + 21.41 | + 29.21 | + 1.10 | - 0.52 |
| 9 | 11.38 | 11.27 | 11.26 | 0.73 | 0.73 | 0.73 | + 2.38 | - 27.12 | + 1.20 | + 0.05 |
| 10 | 116.36 | 116.38 | 116.38 | 0.64 | 0.64 | 0.64 | + 14.96 | + 53.48 | - 1.26 | - 1.00 |
| 1007 | 4.09 | 4.10 | 4.09 | 0.89 | 0.91 | 0.93 | + 10.45 | - 28.96 | + 0.42 | + 0.19 |
| 1008 | 8.29 | 8.26 | 8.26 | 0.79 | 0.81 | 0.81 | - 22.69 | - 17.69 | + 2.29 | - 1.19 |
| 1009 | 20.53 | 20.43 | 20.42 | 0.73 | 0.73 | 0.73 | + 16.10 | + 37.78 | + 1.17 | - 0.48 |
| 1010 | 5.62 | 5.49 | 5.50 | 0.97 | 1.02 | 1.03 | - 22.95 | - 13.01 | + 1.19 | - 0.89 |
| 11 | 133.79 | 133.78 | 133.78 | 0.51 | 0.51 | 0.51 | + 143.25 | + 26.10 | - 5.93 | - 0.81 |
| 1012 | 3.10 | 2.97 | 2.93 | 0.72 | 0.72 | 0.72 | - 23.80 | + 6.80 | + 0.71 | - 1.05 |
| 14 | 17.99 | 18.08 | 18.08 | 0.89 | 0.90 | 0.90 | + 0.51 | - 30.36 | + 0.90 | + 0.02 |
| 16 | 0.79 | 0.79 | 0.79 | 0.51 | 0.52 | 0.52 | - 9.51 | + 52.16 | - 0.74 | - 0.88 |
| 1013 | 6.31 | 6.52 | 6.56 | 0.70 | 0.71 | 0.71 | - 27.04 | - 30.79 | + 2.25 | - 0.66 |
| 1014 | 39.02 | 39.03 | 39.03 | 0.62 | 0.62 | 0.62 | - 70.22 | + 28.02 | + 1.86 | - 2.96 |
| 17 | 5.45 | 5.46 | 5.46 | 0.61 | 0.61 | 0.61 | - 14.70 | + 35.79 | + 0.94 | - 0.12 |
| 19 | 19.19 | 19.33 | 19.34 | 0.75 | 0.76 | 0.76 | + 14.49 | + 16.83 | + 0.46 | - 0.71 |
| 1015 | 12.61 | 13.10 | 13.19 | 0.67 | 0.67 | 0.67 | - 37.06 | + 17.64 | + 2.52 | - 2.79 |
| 1016 | 1.88 | 1.87 | 1.87 | 0.85 | 0.85 | 0.85 | - 57.83 | - 25.59 | + 1.51 | - 1.49 |
| 22 | 34.18 | 34.05 | 34.04 | 0.80 | 0.82 | 0.82 | + 3.05 | - 35.21 | + 0.01 | + 0.19 |
| 26 | 8.81 | 8.77 | 8.76 | 0.72 | 0.72 | 0.72 | - 63.54 | - 18.28 | + 1.58 | - 1.78 |
| 1017 | 15.00 | 15.01 | 15.01 | 0.71 | 0.71 | 0.71 | - 49.85 | + 1.95 | + 2.02 | - 2.34 |
| 31 | 15.92 | 15.94 | 15.94 | 0.48 | 0.48 | 0.48 | + 108.68 | + 23.89 | - 4.66 | - 0.64 |
| 28 | 10.69 | 10.69 | 10.69 | 0.77 | 0.78 | 0.78 | - 31.40 | - 28.28 | + 1.95 | - 1.28 |
| 30 | 62.96 | 64.50 | 64.69 | 0.83 | 1.01 | 1.03 | - 1.75 | - 40.60 | + 1.03 | + 0.06 |
| 1022 | 6.34 | 6.30 | 6.28 | 0.83 | 0.85 | 0.85 | - 22.82 | - 19.85 | + 1.17 | - 0.61 |
| 34 | 15.63 | 15.53 | 15.52 | 0.52 | 0.52 | 0.52 | + 37.02 | + 34.98 | - 1.87 | - 0.74 |
| 1023 | 4.87 | 4.69 | 4.63 | 0.72 | 0.74 | 0.74 | + 4.10 | + 9.70 | + 0.09 | - 0.81 |
| 35 | 5.33 | 4.97 | 4.85 | 0.81 | 0.83 | 0.84 | - 33.77 | - 36.83 | + 2.11 | - 0.61 |
| 1024 | 11.00 | 11.03 | 11.03 | 0.79 | 0.79 | 0.79 | - 23.29 | - 31.37 | + 1.34 | - 0.15 |
| 1025 | 12.23 | 11.83 | 11.76 | 0.86 | 0.87 | 0.87 | - 5.80 | - 41.69 | + 0.33 | + 0.16 |
| 1027 | 8.85 | 8.86 | 8.86 | 0.55 | 0.55 | 0.55 | - 51.67 | + 36.42 | - 0.25 | - 2.32 |
| 1026 | 14.17 | 14.35 | 14.39 | 0.71 | 0.73 | 0.73 | - 45.54 | - 36.51 | + 2.04 | - 0.91 |
| 36 | 17.00 | 17.13 | 17.14 | 0.81 | 0.81 | 0.81 | - 34.95 | - 32.64 | + 1.88 | - 1.32 |
| 1029 | 9.74 | 9.46 | 9.31 | 0.86 | 0.89 | 0.90 | - 16.19 | - 38.87 | + 0.71 | + 0.01 |
| 39 | 11.68 | 11.68 | 11.68 | 0.50 | 0.50 | 0.50 | - 7.81 | + 53.82 | - 0.78 | - 1.50 |
| 40 | 27.76 | 27.73 | 27.73 | 0.71 | 0.71 | 0.71 | - 16.55 | - 45.30 | + 1.24 | + 0.02 |
| 906 | 10.29 | 10.42 | 10.43 | 0.49 | 0.50 | 0.50 | + 24.93 | + 27.87 | - 2.98 | + 0.98 |
| 1032 | 7.61 | 7.45 | 7.42 | 0.68 | 0.68 | 0.68 | - 31.40 | - 3.77 | - 0.35 | - 1.21 |
| 43 | 19.85 | 20.07 | 20.11 | 0.84 | 0.87 | 0.87 | - 5.64 | + 8.72 | + 0.08 | - 0.82 |
| 41 | 12.05 | 11.99 | 11.98 | 0.52 | 0.52 | 0.52 | - 44.75 | + 1.86 | - 1.80 | - 0.37 |
| 44 | 13.67 | 13.63 | 13.62 | 0.71 | 0.71 | 0.71 | - 72.40 | - 26.24 | + 1.94 | - 1.68 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|------------|---------------------------------------|-------------------------------------|--|--|-----------|----------|----------|--------------|----------|----------------------|
| FK6 No. | $\varepsilon_{\alpha^*,sys}$ [mas] | $\varepsilon_{\delta,sys}$ [mas] | $\varepsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\varepsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 904 | 14.48 | 10.64 | 0.50 | 0.33 | 1 | 0.70 | 1.53 | 1.65 | 1.35 | |
| 1630 | 7.00 | 5.60 | 0.24 | 0.18 | 1 | 2.45 | 1.43 | 2.71 | 3.37 | 1 |
| 905 | 8.28 | 5.96 | 0.25 | 0.21 | 1 | 3.80 | 4.53 | 4.44 | 0.45 | 2 |
| 1001 | 13.04 | 8.20 | 0.41 | 0.32 | 1 | 0.93 | 0.76 | 0.16 | 1.25 | 3 |
| 1003 | 8.29 | 6.21 | 0.26 | 0.20 | 1 | 2.09 | 3.59 | 0.80 | 2.78 | 4 |
| 4 | 9.85 | 6.50 | 0.27 | 0.21 | 1 | 2.05 | 2.48 | 0.66 | 0.79 | |
| 6 | 8.73 | 6.31 | 0.27 | 0.22 | 1 | 5.72 | 5.04 | 6.59 | 1.73 | 5 |
| 1655 | 20.32 | 14.88 | 0.69 | 0.54 | 1 | 1.67 | 2.27 | 4.29 | 0.94 | |
| 1004 | 8.48 | 5.78 | 0.26 | 0.20 | 1 | 1.85 | 0.49 | 0.86 | 1.41 | |
| 1005 | 8.85 | 6.05 | 0.26 | 0.22 | 1 | 3.03 | 2.50 | 1.01 | 2.23 | 6 |
| 1006 | 8.23 | 6.68 | 0.28 | 0.20 | 1 | 3.44 | 3.76 | 3.76 | 1.06 | |
| 9 | 7.09 | 5.84 | 0.26 | 0.18 | 1 | 2.64 | 3.86 | 3.94 | 2.61 | 7 |
| 10 | 11.39 | 8.61 | 0.40 | 0.27 | 1 | 0.74 | 0.88 | 1.51 | 0.07 | 8 |
| 1007 | 8.30 | 6.00 | 0.25 | 0.21 | 1 | 3.17 | 2.86 | 0.90 | 6.14 | |
| 1008 | 6.98 | 5.86 | 0.26 | 0.19 | 1 | 0.47 | 1.19 | 2.25 | 1.24 | |
| 1009 | 8.74 | 6.31 | 0.27 | 0.22 | 1 | 0.39 | 1.92 | 0.98 | 1.25 | |
| 1010 | 6.40 | 5.60 | 0.25 | 0.17 | 1 | 1.83 | 1.80 | 1.33 | 3.88 | 9 |
| 11 | 14.60 | 10.77 | 0.50 | 0.33 | 1 | 1.24 | 2.34 | 1.50 | 2.82 | |
| 1012 | 8.26 | 6.02 | 0.27 | 0.21 | 1 | 1.31 | 3.52 | 1.09 | 1.32 | 10 |
| 14 | 8.33 | 6.36 | 0.28 | 0.20 | 1 | 2.07 | 1.19 | 1.78 | 1.17 | 11 |
| 16 | 11.10 | 8.49 | 0.39 | 0.25 | 1 | 0.60 | 0.42 | 1.78 | 0.92 | 12 |
| 1013 | 8.90 | 6.49 | 0.29 | 0.19 | 1 | 0.46 | 3.15 | 2.78 | 2.02 | 13 |
| 1014 | 10.49 | 7.67 | 0.34 | 0.25 | 1 | 2.28 | 1.84 | 2.44 | 0.82 | |
| 17 | 10.59 | 8.01 | 0.34 | 0.26 | 1 | 1.02 | 0.33 | 2.12 | 0.87 | 14 |
| 19 | 8.55 | 6.40 | 0.29 | 0.18 | 1 | 1.84 | 1.81 | 1.27 | 0.31 | |
| 1015 | 10.21 | 6.79 | 0.30 | 0.21 | | 9.56 | 9.86 | 9.27 | 2.73 | 15 |
| 1016 | 8.85 | 6.40 | 0.28 | 0.22 | 1 | 0.74 | 1.88 | 2.60 | 1.72 | |
| 22 | 8.20 | 6.21 | 0.27 | 0.21 | 1 | 1.03 | 0.89 | 1.09 | 0.41 | 16 |
| 26 | 8.69 | 6.92 | 0.29 | 0.22 | 1 | 5.88 | 5.56 | 5.98 | 1.13 | |
| 1017 | 9.90 | 7.37 | 0.30 | 0.22 | 1 | 2.31 | 1.32 | 0.87 | 2.66 | 17 |
| 31 | 12.95 | 9.96 | 0.47 | 0.31 | 1 | 2.23 | 0.72 | 0.90 | 2.08 | 18 |
| 28 | 6.94 | 6.11 | 0.27 | 0.19 | 1 | 0.91 | 0.65 | 1.16 | 1.40 | 19 |
| 30 | 7.49 | 6.07 | 0.28 | 0.19 | 1 | 1.78 | 3.28 | 2.36 | 2.22 | 20 |
| 1022 | 6.61 | 6.04 | 0.26 | 0.17 | 1 | 0.31 | 3.14 | 1.75 | 2.79 | |
| 34 | 12.06 | 8.01 | 0.44 | 0.32 | 1 | 1.01 | 2.70 | 0.72 | 1.25 | 21 |
| 1023 | 8.49 | 6.59 | 0.29 | 0.18 | 1 | 2.36 | 2.85 | 3.03 | 0.67 | |
| 35 | 8.81 | 6.75 | 0.30 | 0.19 | 1 | 2.82 | 3.09 | 3.46 | 0.63 | 22 |
| 1024 | 7.08 | 6.19 | 0.28 | 0.18 | 1 | 2.34 | 1.56 | 0.66 | 3.31 | 23 |
| 1025 | 7.71 | 6.58 | 0.27 | 0.21 | 1 | 3.87 | 2.24 | 2.65 | 3.28 | |
| 1027 | 10.70 | 8.24 | 0.39 | 0.25 | 1 | 0.48 | 0.80 | 1.19 | 0.51 | |
| 1026 | 8.46 | 7.24 | 0.29 | 0.20 | 1 | 2.04 | 0.55 | 1.62 | 1.54 | 24 |
| 36 | 6.84 | 6.38 | 0.28 | 0.19 | 1 | 3.45 | 2.08 | 4.21 | 2.15 | |
| 1029 | 8.28 | 6.89 | 0.29 | 0.20 | | 9.62 | 5.15 | | 5.38 | |
| 39 | 11.29 | 8.84 | 0.40 | 0.24 | 1 | 0.48 | 0.68 | 0.33 | 0.65 | |
| 40 | 7.17 | 6.40 | 0.28 | 0.19 | 1 | 0.70 | 1.01 | 0.96 | 0.87 | 25 |
| 906 | 19.01 | 15.96 | 0.81 | 0.61 | 1 | 1.97 | 1.46 | 2.33 | 1.73 | |
| 1032 | 7.96 | 6.66 | 0.29 | 0.20 | 1 | 3.51 | 2.90 | 1.51 | 1.26 | |
| 43 | 8.37 | 7.10 | 0.29 | 0.19 | 1 | 4.53 | 4.68 | 4.77 | 3.20 | 26 |
| 41 | 15.54 | 12.47 | 0.55 | 0.39 | 1 | 2.85 | 2.16 | 0.21 | 1.47 | 27 |
| 44 | 8.65 | 7.11 | 0.30 | 0.22 | 1 | 1.22 | 0.24 | 0.89 | 0.93 | 28 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------|------------|---------------------------|-----------------------------|-----------------------------|--|--------------------------------------|
| FK6 No. | HIP No. | Name | α (SI) 2000 h m s | δ (SI) 2000 ° ′ ″ | μ_{α^*} (SI) 2000 [mas/yr] | μ_{δ} (SI) 2000 [mas/yr] |
| 1034 | 6061 | 89 Psc | 1 17 47.956 326 | + 3 36 52.079 66 | - 47.46 | - 22.14 |
| 45 | 6193 | ν Psc | 1 19 27.994 431 | + 27 15 50.609 61 | + 25.24 | - 11.77 |
| 1035 | 6411 | ξ And | 1 22 20.419 354 | + 45 31 43.601 01 | + 31.64 | + 8.83 |
| 1036 | 6502 | 109 G. Scl | 1 23 30.957 658 | - 30 56 44.220 87 | - 15.29 | - 45.64 |
| 47 | 6537 | ϑ Cet | 1 24 1.403 544 | - 8 10 59.774 34 | - 80.65 | - 212.36 |
| 1037 | 6605 | 138 G. Cet | 1 24 48.680 670 | - 2 50 54.922 33 | + 10.47 | - 27.85 |
| 1038 | 6631 | 9 G. Hyi | 1 25 5.306 992 | - 64 22 10.121 01 | + 23.36 | - 17.18 |
| 48 | 6686 | δ Cas | 1 25 48.951 603 | + 60 14 7.018 73 | + 296.63 | - 49.60 |
| 1039 | 6732 | 94 Psc | 1 26 41.678 686 | + 19 14 25.520 93 | + 51.28 | - 58.54 |
| 1041 | 6748 | 47 Cet | 1 26 51.564 701 | - 13 3 23.442 34 | + 13.86 | + 9.11 |
| 1044 | 7083 | δ Phe | 1 31 15.104 248 | - 49 4 21.731 41 | + 137.83 | + 153.82 |
| 1045 | 7513 | ν And | 1 36 47.843 071 | + 41 24 19.648 04 | - 172.18 | - 381.45 |
| 52 | 7607 | 51 And | 1 37 59.557 526 | + 48 37 41.565 87 | + 62.49 | - 112.60 |
| 56 | 7884 | ν Psc | 1 41 25.893 963 | + 5 29 15.402 89 | - 23.19 | + 3.09 |
| 58 | 7941 | 129 G. Scl | 1 42 2.993 916 | - 36 49 56.297 36 | - 29.19 | - 16.71 |
| 1047 | 7943 | + 34 ^o 297 Tri | 1 42 3.489 750 | + 35 14 44.544 03 | + 48.69 | - 24.82 |
| 55 | 7965 | 43 Cas | 1 42 20.526 496 | + 68 2 34.886 85 | + 52.62 | - 9.11 |
| 1049 | 7999 | 175 G. Cet | 1 42 43.510 991 | - 3 41 24.708 89 | - 10.07 | - 32.83 |
| 59 | 8102 | τ Cet | 1 44 4.083 779 | - 15 56 14.918 29 | - 1720.48 | + 855.25 |
| 60 | 8198 | θ Psc | 1 45 23.632 260 | + 9 9 27.924 72 | + 73.38 | + 47.22 |
| 1050 | 8387 | 4 Ari | 1 48 10.936 228 | + 16 57 19.969 95 | + 54.98 | - 34.46 |
| 67 | 8837 | ψ Phe | 1 53 38.742 281 | - 46 18 9.598 71 | - 91.69 | - 90.54 |
| 63 | 8886 | ε Cas | 1 54 23.726 204 | + 63 40 12.362 59 | + 32.49 | - 18.97 |
| 69 | 8928 | η^2 Hyi | 1 54 56.131 221 | - 67 38 50.292 47 | + 75.87 | + 73.10 |
| 71 | 9347 | ν Cet | 2 0 0.308 719 | - 21 4 40.188 56 | + 134.26 | - 23.96 |
| 1054 | 9505 | 4 Per | 2 2 18.108 244 | + 54 29 15.151 67 | + 33.90 | - 3.02 |
| 70 | 9598 | 50 Cas | 2 3 26.106 286 | + 72 25 16.658 71 | - 43.52 | + 22.41 |
| 1055 | 9677 | ν For | 2 4 29.437 107 | - 29 17 48.549 99 | + 10.48 | + 8.35 |
| 74 | 9884 | α Ari | 2 7 10.407 240 | + 23 27 44.711 95 | + 190.96 | - 147.11 |
| 1056 | 10155 | 15 Ari | 2 10 37.596 869 | + 19 30 1.212 06 | + 88.62 | - 27.51 |
| 78 | 10320 | μ For | 2 12 54.470 128 | - 30 43 25.774 84 | + 14.83 | + 6.66 |
| 1057 | 10328 | 19 Ari | 2 13 3.304 216 | + 15 16 47.494 69 | + 97.60 | - 20.92 |
| 1060 | 10440 | 135 G. Phe | 2 14 31.946 109 | - 41 10 0.352 28 | - 20.11 | - 26.11 |
| 82 | 10602 | φ Eri | 2 16 30.585 299 | - 51 30 43.793 64 | + 90.70 | - 21.99 |
| 1635 | 10623 | Br 256 Cep | 2 16 45.568 808 | + 83 33 41.093 69 | + 57.28 | - 42.68 |
| 80 | 10642 | 67 Cet | 2 16 59.043 143 | - 6 25 19.618 30 | + 91.32 | - 106.91 |
| 79 | 10670 | γ Tri | 2 17 18.867 813 | + 33 50 49.899 26 | + 45.68 | - 52.15 |
| 1062 | 10673 | 21 G. For | 2 17 19.877 741 | - 35 58 58.655 57 | + 165.18 | + 45.77 |
| 81 | 10732 | ϑ Ari | 2 18 7.538 545 | + 19 54 4.180 88 | - 12.74 | - 0.02 |
| 1657 | 10768 | Lac 1848 Oct | 2 18 34.452 518 | - 88 8 44.602 89 | - 12.75 | - 17.84 |
| 1063 | 10819 | 62 And | 2 19 16.796 424 | + 47 22 47.896 95 | - 59.47 | - 6.77 |
| 1656 | 10993 | Lac 1029 Oct | 2 21 40.670 766 | - 85 43 4.619 58 | + 4.44 | - 20.56 |
| 1065 | 11001 | δ Hyi | 2 21 44.942 338 | - 68 39 33.906 21 | - 50.32 | + 2.27 |
| 1064 | 11033 | 239 G. Cet | 2 22 4.982 753 | - 17 39 43.805 93 | + 9.10 | - 57.70 |
| 1067 | 11095 | κ Hyi | 2 22 52.306 919 | - 73 38 44.851 17 | - 80.72 | + 11.92 |
| 84 | 11258 | λ Hor | 2 24 53.910 747 | - 60 18 43.012 27 | - 71.08 | - 131.18 |
| 1066 | 11345 | ρ Cet | 2 25 57.005 351 | - 12 17 25.716 69 | - 11.62 | - 10.22 |
| 86 | 11407 | κ Eri | 2 26 59.121 971 | - 47 42 13.825 69 | + 19.58 | - 5.57 |
| 1068 | 11486 | 12 Tri | 2 28 9.980 413 | + 29 40 9.583 86 | - 14.78 | - 86.18 |
| 1069 | 11698 | 27 Ari | 2 30 54.398 149 | + 17 42 13.880 74 | + 32.64 | - 82.82 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|--|---|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | ε_{α^*} (SI) [mas] | $\varepsilon_{\mu,\alpha^*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 1034 | 91.51 | 0.70 | 0.29 | 91.11 | 0.56 | 0.27 | 14.83 | 0.86 | H | + 5.3 | 5.13 | | 39 | | |
| 45 | 90.76 | 0.67 | 0.27 | 91.01 | 0.53 | 0.28 | 10.49 | 0.77 | H | + 8.0 | 4.74 | | 19 | | 1 |
| 1035 | 91.18 | 0.53 | 0.34 | 91.06 | 0.44 | 0.32 | 16.68 | 0.70 | H | - 11.7 | 4.87 | | 19 | | 1 |
| 1036 | 91.13 | 0.53 | 0.49 | 91.06 | 0.41 | 0.37 | 3.67 | 0.71 | H | - 16.0 | 5.84 | 1 | 11 | 1 | 3 |
| 47 | 91.08 | 0.61 | 0.22 | 90.72 | 0.41 | 0.20 | 28.48 | 0.77 | H | + 16.5 | 3.60 | | 25 | 2 | |
| 1037 | 91.30 | 0.62 | 0.40 | 90.82 | 0.42 | 0.34 | 12.17 | 0.75 | H | - 27.1 | 6.17 | | 31 | | |
| 1038 | 91.29 | 0.46 | 0.45 | 91.15 | 0.45 | 0.44 | 3.23 | 0.55 | H | + 23.0 | 5.92 | | 11 | 1 | 3 |
| 48 | 91.31 | 0.37 | 0.26 | 91.47 | 0.36 | 0.23 | 32.81 | 0.62 | H | + 6.7 | 2.66 | | 37 | | |
| 1039 | 91.01 | 0.67 | 0.39 | 91.26 | 0.49 | 0.34 | 10.63 | 0.77 | H | - 41.7 | 5.50 | | 19 | | 1 |
| 1041 | 91.10 | 0.65 | 0.39 | 91.05 | 0.38 | 0.31 | 27.55 | 0.74 | H | + 10.4 | 5.51 | | 11 | 1 | 3 |
| 1044 | 90.99 | 0.43 | 0.42 | 91.14 | 0.45 | 0.36 | 22.15 | 0.61 | H | - 7.3 | 3.93 | | 39 | | |
| 1045 | 91.16 | 0.55 | 0.30 | 91.02 | 0.44 | 0.29 | 74.25 | 0.72 | H | - 28.9 | 4.10 | | 19 | 1 | 1 |
| 52 | 91.11 | 0.53 | 0.27 | 91.33 | 0.50 | 0.28 | 18.76 | 0.74 | H | + 16.1 | 3.59 | | 21 | 2 | |
| 56 | 91.19 | 0.70 | 0.25 | 90.85 | 0.45 | 0.22 | 8.86 | 0.77 | H | + 0.4 | 4.45 | | 31 | | |
| 58 | 91.64 | 0.41 | 0.38 | 91.42 | 0.46 | 0.39 | 10.71 | 0.71 | H | + 17.0 | 5.70 | | 29 | 2 | |
| 1047 | 91.33 | 0.56 | 0.40 | 90.86 | 0.36 | 0.31 | 12.61 | 0.68 | H | - 1.9 | 5.63 | | 39 | | |
| 55 | 91.06 | 0.39 | 0.30 | 91.16 | 0.46 | 0.30 | 7.34 | 0.61 | H | + 5.1 | 5.57 | 1 | 21 | 2 | |
| 1049 | 91.27 | 0.74 | 0.40 | 91.56 | 0.59 | 0.39 | 2.71 | 0.90 | H | - 34.0 | 4.98 | | 21 | 2 | |
| 59 | 91.07 | 0.63 | 0.32 | 90.98 | 0.59 | 0.34 | 274.17 | 0.80 | H | - 17.0 | 3.49 | | 35 | | |
| 60 | 91.29 | 0.77 | 0.24 | 90.72 | 0.42 | 0.21 | 12.63 | 0.86 | H | + 13.6 | 4.26 | | 21 | 2 | |
| 1050 | 91.03 | 0.71 | 0.35 | 91.23 | 0.57 | 0.36 | 11.37 | 0.76 | H | + 10.0 | 5.86 | | 38 | | |
| 67 | 91.21 | 0.42 | 0.42 | 91.10 | 0.45 | 0.42 | 10.15 | 0.60 | H | + 1.5 | 4.39 | 2 | 23 | 2 | |
| 63 | 91.02 | 0.31 | 0.24 | 91.17 | 0.41 | 0.25 | 7.38 | 0.57 | H | - 8.1 | 3.35 | 1 | 39 | | |
| 69 | 91.32 | 0.40 | 0.34 | 91.29 | 0.42 | 0.38 | 15.04 | 0.47 | H | - 16.2 | 4.68 | | 11 | 1 | 3 |
| 71 | 91.51 | 0.60 | 0.29 | 91.40 | 0.47 | 0.31 | 10.84 | 0.79 | H | + 18.0 | 3.99 | 1 | 11 | 1 | 3 |
| 1054 | 91.24 | 0.40 | 0.31 | 91.15 | 0.43 | 0.34 | 4.41 | 0.62 | H | - 2.0 | 4.99 | | 39 | | |
| 70 | 91.20 | 0.40 | 0.26 | 91.31 | 0.43 | 0.25 | 20.12 | 0.56 | H | - 14.3 | 3.95 | | 18 | | |
| 1055 | 91.32 | 0.61 | 0.42 | 91.05 | 0.45 | 0.37 | 9.03 | 0.78 | H | + 18.5 | 4.68 | 1 | 21 | 2 | |
| 74 | 91.12 | 0.76 | 0.23 | 91.47 | 0.54 | 0.20 | 49.48 | 0.99 | H | - 14.8 | 2.01 | | 39 | | |
| 1056 | 90.97 | 0.70 | 0.33 | 91.51 | 0.52 | 0.34 | 4.90 | 0.86 | H | + 60.2 | 5.68 | 2 | 13 | | |
| 78 | 91.12 | 0.49 | 0.42 | 91.20 | 0.50 | 0.38 | 9.82 | 0.68 | H | + 10.0 | 5.27 | | 19 | | 1 |
| 1057 | 90.86 | 0.68 | 0.41 | 91.43 | 0.49 | 0.37 | 6.03 | 0.75 | H | + 23.4 | 5.72 | 1 | 18 | | |
| 1060 | 91.33 | 0.42 | 0.43 | 91.12 | 0.48 | 0.45 | 9.77 | 0.65 | H | + 14.0 | 5.91 | | 39 | | |
| 82 | 91.15 | 0.44 | 0.42 | 91.28 | 0.51 | 0.40 | 21.06 | 0.61 | H | + 10.2 | 3.56 | | 35 | | |
| 1635 | 91.24 | 0.44 | 0.34 | 91.22 | 0.45 | 0.33 | 7.62 | 0.54 | H | | 6.45 | | 21 | 2 | |
| 80 | 91.47 | 0.70 | 0.24 | 91.48 | 0.62 | 0.26 | 9.58 | 0.93 | H | + 6.6 | 5.51 | | 19 | | 1 |
| 79 | 91.05 | 0.64 | 0.31 | 91.39 | 0.51 | 0.34 | 27.73 | 0.84 | H | + 9.9 | 4.03 | | 29 | 2 | |
| 1062 | 91.55 | 0.46 | 0.47 | 91.35 | 0.54 | 0.51 | 10.35 | 0.78 | H | + 26.6 | 6.70 | | 21 | 2 | |
| 81 | 91.01 | 0.77 | 0.31 | 91.40 | 0.50 | 0.28 | 8.42 | 0.84 | H | + 6.0 | 5.58 | | 28 | 2 | |
| 1657 | 91.40 | 0.63 | 0.48 | 91.39 | 0.64 | 0.45 | 5.55 | 0.73 | H | - 6.7 | 8.25 | | 11 | 1 | 3 |
| 1063 | 91.08 | 0.53 | 0.38 | 91.36 | 0.45 | 0.38 | 12.77 | 0.70 | H | - 29.6 | 5.31 | | 19 | | 1 |
| 1656 | 91.39 | 0.46 | 0.43 | 91.37 | 0.57 | 0.41 | 7.44 | 0.63 | H | + 28.2 | 7.82 | | 18 | | |
| 1065 | 91.13 | 0.43 | 0.41 | 91.19 | 0.47 | 0.41 | 24.10 | 0.51 | H | + 6.0 | 4.08 | | 19 | | 1 |
| 1064 | 90.90 | 0.61 | 0.42 | 91.16 | 0.53 | 0.40 | 6.47 | 0.87 | H | - 3.0 | 5.89 | | 31 | | |
| 1067 | 91.20 | 0.48 | 0.47 | 91.15 | 0.45 | 0.42 | 10.26 | 0.51 | H | + 22.0 | 5.99 | | 11 | 1 | 3 |
| 84 | 91.43 | 0.43 | 0.40 | 91.40 | 0.44 | 0.41 | 20.40 | 0.50 | H | + 6.0 | 5.36 | | 39 | | |
| 1066 | 91.36 | 0.66 | 0.33 | 91.30 | 0.51 | 0.32 | 6.17 | 0.87 | H | + 10.0 | 4.88 | | 39 | | |
| 86 | 91.39 | 0.45 | 0.41 | 91.58 | 0.46 | 0.38 | 6.17 | 0.60 | H | + 27.7 | 4.24 | 1 | 19 | | 1 |
| 1068 | 91.22 | 0.73 | 0.37 | 91.40 | 0.45 | 0.34 | 21.01 | 0.83 | H | - 24.8 | 5.29 | | 19 | | 1 |
| 1069 | 90.95 | 0.78 | 0.37 | 91.30 | 0.59 | 0.34 | 10.40 | 0.86 | H | - 117.5 | 6.21 | | 18 | | |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------------|--|---------|---------|----------|--------------------------------------|---------|---------|----------|
| FK6 No. | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 1034 | - 5.46 | - 6.80 | - 7.72 | - 24.02 | - 14.76 | - 1.76 | - 2.03 | - 95.63 |
| 45 | + 6.07 | + 7.35 | + 8.81 | + 25.32 | - 5.19 | + 0.92 | + 1.27 | - 38.53 |
| 1035 | - 12.45 | + 4.47 | + 5.00 | - 43.48 | + 1.09 | - 0.77 | - 0.86 | + 3.99 |
| 1036 | + 1.12 | - 1.17 | - 1.96 | + 27.11 | + 1.87 | - 1.17 | - 1.71 | + 32.01 |
| 47 | + 2.11 | + 19.26 | + 21.89 | - 6.32 | - 86.71 | + 48.24 | + 50.76 | - 467.85 |
| 1037 | + 3.15 | + 2.49 | + 2.74 | + 41.85 | - 7.84 | - 1.49 | - 1.58 | - 153.25 |
| 1038 | + 1.10 | - 1.12 | - 1.82 | - 51.99 | - 1.15 | + 0.44 | + 0.71 | - 24.08 |
| 48 | + 11.83 | + 5.07 | + 5.24 | + 50.70 | - 9.02 | + 0.70 | + 0.70 | - 41.85 |
| 1039 | - 5.57 | - 3.37 | - 4.09 | - 40.59 | - 8.02 | - 1.41 | - 1.68 | - 89.73 |
| 1041 | + 9.91 | + 5.54 | + 5.90 | + 66.39 | + 0.22 | - 0.90 | - 0.90 | - 21.28 |
| 1044 | + 0.45 | + 3.30 | + 3.58 | + 28.83 | + 1.33 | + 3.15 | + 3.43 | + 94.28 |
| 1045 | - 8.01 | - 3.23 | - 3.32 | - 27.68 | - 0.90 | + 3.55 | + 3.73 | + 4.22 |
| 52 | + 2.38 | - 13.14 | - 14.03 | + 2.61 | - 4.89 | + 1.45 | + 1.53 | - 37.04 |
| 56 | + 4.11 | + 3.26 | + 4.04 | + 23.80 | - 0.83 | + 4.26 | + 4.72 | - 3.43 |
| 58 | - 6.75 | - 1.00 | - 1.08 | - 115.78 | - 8.71 | - 0.01 | + 0.08 | - 182.83 |
| 1047 | + 2.72 | + 5.49 | + 6.28 | + 25.23 | - 14.19 | + 1.29 | + 1.49 | - 146.27 |
| 55 | + 1.52 | + 3.33 | + 4.14 | + 11.72 | + 6.85 | - 9.36 | - 10.86 | + 69.36 |
| 1049 | + 3.20 | - 6.89 | - 13.47 | + 67.23 | + 3.98 | - 7.22 | - 12.85 | + 55.17 |
| 59 | + 23.86 | - 11.70 | - 13.12 | + 85.67 | + 12.23 | - 8.54 | - 9.62 | + 70.21 |
| 60 | - 28.76 | - 19.16 | - 25.26 | - 89.98 | + 11.12 | - 71.46 | - 75.89 | - 24.28 |
| 1050 | - 14.88 | + 6.08 | + 7.75 | - 64.68 | - 1.96 | + 11.27 | + 12.91 | + 8.29 |
| 67 | + 10.23 | - 5.07 | - 6.13 | + 9.66 | + 23.66 | - 6.84 | - 8.28 | + 306.64 |
| 63 | - 1.98 | - 4.22 | - 4.58 | - 36.44 | - 4.51 | + 2.38 | + 2.83 | - 62.72 |
| 69 | - 5.18 | + 1.04 | + 1.13 | - 33.91 | + 5.92 | + 0.61 | + 0.61 | + 131.89 |
| 71 | - 1.12 | - 9.17 | - 10.62 | - 16.37 | + 0.85 | - 4.15 | - 5.02 | + 13.00 |
| 1054 | - 1.10 | - 0.78 | - 0.96 | - 22.33 | + 6.69 | - 2.66 | - 3.36 | + 100.75 |
| 70 | - 8.16 | - 4.03 | - 4.20 | - 52.16 | + 10.24 | + 0.88 | + 0.88 | + 80.10 |
| 1055 | - 14.14 | + 14.80 | + 18.00 | - 74.61 | + 1.58 | + 1.63 | + 1.94 | + 40.00 |
| 74 | + 6.44 | - 1.87 | - 1.86 | + 15.73 | + 6.06 | + 10.62 | + 11.30 | + 24.05 |
| 1056 | + 1.82 | + 0.48 | + 0.90 | + 16.70 | + 2.94 | + 2.52 | + 3.45 | + 56.45 |
| 78 | - 0.24 | + 3.65 | + 4.36 | + 10.31 | + 0.65 | + 3.72 | + 4.33 | + 53.60 |
| 1057 | - 2.72 | + 11.00 | + 14.81 | - 13.25 | - 1.43 | - 0.21 | - 0.33 | - 20.64 |
| 1060 | + 16.61 | - 5.28 | - 6.59 | + 126.42 | + 0.79 | - 0.26 | - 0.19 | - 21.79 |
| 82 | + 5.72 | + 0.44 | + 0.43 | + 58.89 | - 9.16 | + 0.71 | + 0.80 | - 122.18 |
| 1635 | + 2.04 | + 7.66 | + 8.80 | + 118.29 | - 0.31 | - 2.10 | - 2.54 | - 11.12 |
| 80 | - 1.95 | + 12.74 | + 15.87 | - 8.48 | - 2.33 | - 0.97 | - 0.02 | - 36.61 |
| 79 | + 14.66 | - 5.89 | - 6.87 | + 54.10 | + 19.78 | - 1.85 | - 2.37 | + 133.67 |
| 1062 | + 8.02 | - 3.11 | - 3.80 | + 44.77 | - 2.73 | + 7.46 | + 9.37 | + 150.12 |
| 81 | + 4.77 | - 23.31 | - 29.63 | + 35.00 | - 4.20 | + 6.84 | + 7.85 | - 33.20 |
| 1657 | - 1.40 | - 0.76 | - 1.02 | - 103.47 | - 1.68 | - 0.25 | - 0.34 | - 138.85 |
| 1063 | - 8.61 | - 4.58 | - 5.21 | - 49.91 | - 5.72 | + 5.40 | + 6.18 | - 34.67 |
| 1656 | - 0.92 | + 1.02 | + 1.28 | + 7.28 | - 3.19 | + 0.27 | + 0.44 | - 144.96 |
| 1065 | + 4.72 | + 2.04 | + 2.22 | + 104.11 | + 2.58 | + 0.91 | + 1.00 | + 52.18 |
| 1064 | + 0.97 | - 0.37 | - 0.63 | + 19.93 | - 3.87 | - 2.97 | - 3.67 | - 158.19 |
| 1067 | + 10.00 | - 6.14 | - 7.63 | + 40.37 | - 3.88 | - 0.45 | - 0.72 | - 71.50 |
| 84 | + 14.77 | + 0.07 | - 0.01 | + 176.17 | + 0.27 | + 1.12 | + 1.20 | + 34.14 |
| 1066 | - 6.65 | - 0.97 | - 1.11 | - 62.43 | + 6.01 | - 8.44 | - 10.00 | + 47.92 |
| 86 | - 4.53 | + 2.59 | + 3.37 | - 15.54 | - 2.45 | + 0.91 | + 1.18 | - 69.11 |
| 1068 | + 3.62 | - 0.09 | - 0.16 | + 13.99 | + 5.57 | + 5.39 | + 5.82 | + 44.41 |
| 1069 | - 7.13 | + 2.54 | + 3.35 | - 40.12 | - 0.57 | + 0.52 | + 0.61 | - 3.51 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|---|--------|--------|--------|---------|---|--------|--------|--------|---------|
| FK6 | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| No. | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 1034 | + 0.01 | - 0.81 | - 0.92 | - 0.27 | + 0.34 | - 0.20 | - 0.20 | - 0.23 | - 1.28 | + 0.53 |
| 45 | + 0.02 | + 0.81 | + 0.97 | + 0.31 | - 0.33 | - 0.08 | + 0.11 | + 0.15 | - 0.53 | + 0.21 |
| 1035 | - 0.43 | + 0.51 | + 0.57 | - 1.01 | + 0.23 | + 0.08 | - 0.09 | - 0.10 | + 0.13 | + 0.05 |
| 1036 | + 0.06 | - 0.13 | - 0.22 | + 0.53 | - 0.20 | + 0.18 | - 0.13 | - 0.19 | + 0.65 | + 0.03 |
| 47 | + 0.22 | + 1.98 | + 2.27 | + 0.10 | + 0.28 | - 2.06 | + 5.21 | + 5.48 | - 6.08 | + 0.19 |
| 1037 | - 0.13 | + 0.29 | + 0.32 | + 0.55 | - 0.58 | + 0.19 | - 0.16 | - 0.17 | - 2.08 | + 1.39 |
| 1038 | + 0.27 | - 0.13 | - 0.21 | - 0.54 | + 1.15 | - 0.12 | + 0.05 | + 0.08 | - 0.51 | - 0.02 |
| 48 | - 0.10 | + 0.59 | + 0.61 | + 0.44 | - 0.71 | - 0.24 | + 0.10 | + 0.10 | - 0.61 | + 0.05 |
| 1039 | - 0.03 | - 0.38 | - 0.46 | - 0.66 | + 0.47 | - 0.12 | - 0.16 | - 0.19 | - 1.38 | + 0.62 |
| 1041 | - 0.19 | + 0.63 | + 0.67 | + 0.79 | - 1.09 | + 0.33 | - 0.10 | - 0.10 | + 0.02 | + 0.55 |
| 1044 | - 0.43 | + 0.36 | + 0.39 | - 0.02 | - 0.93 | - 0.65 | + 0.35 | + 0.38 | + 0.59 | - 1.55 |
| 1045 | + 0.04 | - 0.38 | - 0.39 | - 0.27 | + 0.49 | - 0.27 | + 0.40 | + 0.42 | - 0.21 | - 0.36 |
| 52 | + 0.41 | - 1.49 | - 1.59 | + 0.44 | + 0.47 | - 0.13 | + 0.17 | + 0.18 | - 0.50 | + 0.07 |
| 56 | + 0.05 | + 0.37 | + 0.46 | + 0.31 | - 0.16 | - 0.11 | + 0.47 | + 0.52 | - 0.15 | - 0.11 |
| 58 | + 0.08 | - 0.12 | - 0.13 | - 1.67 | + 1.50 | - 0.14 | + 0.00 | + 0.01 | - 2.65 | + 1.53 |
| 1047 | - 0.16 | + 0.63 | + 0.72 | + 0.23 | - 0.55 | - 0.45 | + 0.13 | + 0.15 | - 2.51 | + 0.84 |
| 55 | + 0.01 | + 0.37 | + 0.46 | + 0.15 | - 0.14 | + 0.47 | - 1.06 | - 1.23 | + 1.32 | + 0.18 |
| 1049 | + 0.22 | - 0.82 | - 1.60 | + 1.56 | - 0.05 | + 0.41 | - 0.87 | - 1.55 | + 1.45 | + 0.40 |
| 59 | + 0.50 | - 1.31 | - 1.47 | + 1.37 | - 0.44 | + 0.29 | - 0.95 | - 1.07 | + 1.03 | - 0.21 |
| 60 | - 0.84 | - 1.87 | - 2.56 | - 1.70 | + 0.03 | + 2.99 | - 7.75 | - 8.23 | + 2.70 | + 3.64 |
| 1050 | - 0.39 | + 0.70 | + 0.89 | - 1.31 | + 0.56 | - 0.48 | + 1.30 | + 1.49 | - 0.40 | - 0.72 |
| 67 | + 1.36 | - 0.57 | - 0.69 | + 1.60 | + 1.74 | + 1.86 | - 0.76 | - 0.92 | + 6.33 | - 0.16 |
| 63 | + 0.31 | - 0.47 | - 0.51 | - 0.17 | + 0.72 | - 0.04 | + 0.26 | + 0.31 | - 0.70 | + 0.34 |
| 69 | - 0.36 | + 0.12 | + 0.13 | - 0.88 | - 0.06 | + 0.00 | + 0.07 | + 0.07 | + 1.71 | - 0.88 |
| 71 | + 0.18 | - 1.08 | - 1.25 | - 0.01 | + 0.38 | + 0.03 | - 0.47 | - 0.57 | + 0.21 | - 0.03 |
| 1054 | + 0.07 | - 0.09 | - 0.11 | - 0.29 | + 0.39 | + 0.31 | - 0.30 | - 0.38 | + 1.71 | - 0.60 |
| 70 | + 0.10 | - 0.46 | - 0.48 | - 0.48 | + 0.57 | + 0.11 | + 0.10 | + 0.10 | + 0.90 | - 0.32 |
| 1055 | - 1.24 | + 1.71 | + 2.08 | - 2.47 | - 0.75 | - 0.09 | + 0.16 | + 0.19 | + 0.44 | - 0.51 |
| 74 | + 0.13 | - 0.23 | - 0.23 | + 0.26 | - 0.05 | - 0.04 | + 1.26 | + 1.34 | + 0.14 | - 0.23 |
| 1056 | + 0.04 | + 0.06 | + 0.11 | + 0.28 | - 0.15 | - 0.02 | + 0.30 | + 0.41 | + 0.71 | - 0.50 |
| 78 | - 0.19 | + 0.41 | + 0.49 | - 0.07 | - 0.39 | - 0.28 | + 0.42 | + 0.49 | + 0.34 | - 0.78 |
| 1057 | - 0.40 | + 1.21 | + 1.63 | - 0.70 | - 0.47 | - 0.02 | - 0.01 | - 0.02 | - 0.29 | + 0.20 |
| 1060 | + 1.38 | - 0.61 | - 0.76 | + 3.59 | + 0.32 | + 0.20 | - 0.02 | - 0.01 | - 0.09 | + 0.45 |
| 82 | + 0.03 | + 0.05 | + 0.05 | + 0.90 | - 0.71 | - 0.21 | + 0.08 | + 0.09 | - 1.77 | + 0.74 |
| 1635 | - 0.71 | + 0.88 | + 1.01 | + 1.05 | - 1.93 | + 0.03 | - 0.24 | - 0.29 | - 0.11 | + 0.11 |
| 80 | - 0.15 | + 1.52 | + 1.89 | - 0.27 | - 0.14 | + 0.07 | - 0.13 | - 0.02 | - 0.33 | + 0.27 |
| 79 | + 0.32 | - 0.66 | - 0.77 | + 0.95 | - 0.28 | + 0.27 | - 0.21 | - 0.27 | + 1.80 | - 0.78 |
| 1062 | + 0.77 | - 0.36 | - 0.44 | + 1.53 | + 0.43 | - 1.07 | + 0.86 | + 1.08 | + 0.79 | - 3.11 |
| 81 | + 0.38 | - 2.62 | - 3.33 | + 0.91 | + 0.24 | - 0.29 | + 0.80 | + 0.92 | - 0.68 | - 0.16 |
| 1657 | + 0.04 | - 0.09 | - 0.12 | - 1.30 | + 0.72 | - 0.01 | - 0.03 | - 0.04 | - 1.68 | + 0.50 |
| 1063 | - 0.03 | - 0.51 | - 0.58 | - 0.79 | + 0.70 | - 0.38 | + 0.62 | + 0.71 | - 0.86 | - 0.11 |
| 1656 | - 0.15 | + 0.12 | + 0.15 | - 0.06 | - 0.26 | - 0.05 | + 0.03 | + 0.05 | - 1.80 | + 0.48 |
| 1065 | - 0.17 | + 0.23 | + 0.25 | + 1.13 | - 0.94 | + 0.00 | + 0.10 | + 0.11 | + 0.64 | - 0.35 |
| 1064 | - 0.05 | - 0.05 | - 0.08 | + 0.32 | - 0.29 | + 0.28 | - 0.34 | - 0.42 | - 2.22 | + 1.66 |
| 1067 | + 1.13 | - 0.70 | - 0.87 | + 1.91 | + 1.11 | - 0.21 | - 0.05 | - 0.08 | - 1.20 | + 0.30 |
| 84 | + 0.21 | + 0.01 | + 0.00 | + 2.84 | - 1.73 | - 0.18 | + 0.13 | + 0.14 | + 0.28 | - 0.45 |
| 1066 | - 0.09 | - 0.08 | - 0.09 | - 0.93 | + 0.55 | + 0.52 | - 0.97 | - 1.15 | + 1.17 | + 0.33 |
| 86 | - 0.54 | + 0.30 | + 0.39 | - 0.86 | - 0.61 | - 0.13 | + 0.10 | + 0.13 | - 1.08 | + 0.30 |
| 1068 | + 0.08 | - 0.02 | - 0.03 | + 0.26 | - 0.11 | - 0.15 | + 0.63 | + 0.68 | + 0.42 | - 0.62 |
| 1069 | - 0.16 | + 0.28 | + 0.37 | - 0.71 | + 0.38 | - 0.03 | + 0.06 | + 0.07 | - 0.07 | + 0.00 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------|------------|-------|-------|-------|--------------------------------|------|------|-------|--|------|------|------|---------|
| FK6 | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu, \alpha^*}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 1034 | 74.07 | 91.55 | 91.55 | 55.78 | 9.70 | 0.71 | 0.71 | 13.93 | 0.38 | 0.79 | 0.85 | 0.54 | 0.39 |
| 45 | 74.55 | 90.87 | 90.87 | 55.48 | 8.66 | 0.67 | 0.67 | 12.69 | 0.34 | 0.81 | 0.89 | 0.49 | 0.36 |
| 1035 | 78.16 | 91.21 | 91.21 | 63.40 | 10.22 | 0.53 | 0.53 | 14.91 | 0.48 | 0.57 | 0.59 | 0.64 | 0.54 |
| 1036 | 88.74 | 91.14 | 91.14 | 60.23 | 7.03 | 0.53 | 0.53 | 24.89 | 0.59 | 0.70 | 0.81 | 0.99 | 0.81 |
| 47 | 61.96 | 91.10 | 91.10 | 39.86 | 10.55 | 0.62 | 0.62 | 13.97 | 0.30 | 0.71 | 0.74 | 0.46 | 0.27 |
| 1037 | 81.65 | 91.33 | 91.33 | 58.70 | 10.55 | 0.62 | 0.62 | 19.42 | 0.55 | 0.63 | 0.66 | 0.92 | 0.60 |
| 1038 | 89.81 | 91.29 | 91.29 | 63.37 | 6.71 | 0.46 | 0.46 | 29.47 | 0.70 | 0.50 | 0.53 | 1.34 | 1.06 |
| 48 | 70.25 | 91.30 | 91.30 | 50.63 | 11.45 | 0.37 | 0.37 | 15.92 | 0.39 | 0.47 | 0.48 | 0.54 | 0.39 |
| 1039 | 80.48 | 91.04 | 91.04 | 60.11 | 9.64 | 0.67 | 0.67 | 16.42 | 0.49 | 0.84 | 0.94 | 0.77 | 0.53 |
| 1041 | 78.35 | 91.14 | 91.14 | 59.45 | 12.32 | 0.65 | 0.65 | 19.35 | 0.57 | 0.62 | 0.64 | 0.86 | 0.61 |
| 1044 | 83.04 | 91.00 | 91.00 | 59.26 | 13.12 | 0.43 | 0.43 | 25.91 | 0.65 | 0.55 | 0.56 | 0.96 | 0.82 |
| 1045 | 72.42 | 91.21 | 91.21 | 57.60 | 11.75 | 0.56 | 0.56 | 15.71 | 0.45 | 0.51 | 0.52 | 0.60 | 0.47 |
| 52 | 72.14 | 91.15 | 91.15 | 50.46 | 10.61 | 0.54 | 0.54 | 15.50 | 0.37 | 0.56 | 0.58 | 0.52 | 0.38 |
| 56 | 74.24 | 91.28 | 91.28 | 46.68 | 8.69 | 0.70 | 0.70 | 14.06 | 0.30 | 0.76 | 0.84 | 0.46 | 0.32 |
| 58 | 86.08 | 91.64 | 91.64 | 59.62 | 10.92 | 0.41 | 0.41 | 26.96 | 0.66 | 0.46 | 0.47 | 1.04 | 0.84 |
| 1047 | 80.88 | 91.37 | 91.37 | 61.56 | 10.27 | 0.57 | 0.57 | 17.38 | 0.53 | 0.71 | 0.75 | 0.81 | 0.58 |
| 55 | 81.66 | 91.07 | 91.07 | 55.16 | 8.70 | 0.39 | 0.39 | 16.88 | 0.41 | 0.50 | 0.52 | 0.65 | 0.47 |
| 1049 | 87.69 | 91.38 | 91.38 | 58.38 | 5.99 | 0.75 | 0.75 | 18.13 | 0.46 | 0.65 | 0.79 | 0.88 | 0.55 |
| 59 | 70.24 | 91.11 | 91.11 | 50.21 | 12.62 | 0.63 | 0.63 | 17.64 | 0.41 | 0.80 | 0.83 | 0.57 | 0.43 |
| 60 | 70.11 | 91.39 | 91.39 | 49.49 | 8.96 | 0.79 | 0.79 | 12.59 | 0.30 | 0.91 | 1.00 | 0.43 | 0.30 |
| 1050 | 79.15 | 91.10 | 91.10 | 62.79 | 9.29 | 0.72 | 0.72 | 14.25 | 0.44 | 0.79 | 0.85 | 0.62 | 0.50 |
| 67 | 87.01 | 91.22 | 91.22 | 61.03 | 10.83 | 0.42 | 0.42 | 28.91 | 0.74 | 0.49 | 0.50 | 1.27 | 0.96 |
| 63 | 79.94 | 91.02 | 91.02 | 51.83 | 8.59 | 0.31 | 0.31 | 16.05 | 0.36 | 0.36 | 0.37 | 0.57 | 0.41 |
| 69 | 84.52 | 91.33 | 91.33 | 59.21 | 12.05 | 0.40 | 0.40 | 26.29 | 0.67 | 0.39 | 0.40 | 1.08 | 0.82 |
| 71 | 76.65 | 91.50 | 91.50 | 49.93 | 9.65 | 0.60 | 0.60 | 16.23 | 0.37 | 0.66 | 0.70 | 0.60 | 0.39 |
| 1054 | 85.92 | 91.26 | 91.26 | 61.92 | 7.24 | 0.40 | 0.40 | 16.97 | 0.45 | 0.40 | 0.42 | 0.72 | 0.58 |
| 70 | 71.88 | 91.22 | 91.22 | 45.76 | 11.24 | 0.40 | 0.40 | 17.23 | 0.37 | 0.43 | 0.44 | 0.57 | 0.38 |
| 1055 | 84.79 | 91.34 | 91.34 | 60.43 | 9.89 | 0.61 | 0.61 | 21.59 | 0.56 | 0.63 | 0.66 | 0.87 | 0.70 |
| 74 | 62.77 | 91.26 | 91.26 | 47.84 | 10.14 | 0.77 | 0.77 | 12.52 | 0.31 | 0.95 | 1.01 | 0.40 | 0.29 |
| 1056 | 83.24 | 91.10 | 91.10 | 57.82 | 7.36 | 0.72 | 0.72 | 15.08 | 0.38 | 0.76 | 0.90 | 0.59 | 0.45 |
| 78 | 84.65 | 91.14 | 91.14 | 57.37 | 10.34 | 0.49 | 0.49 | 23.46 | 0.53 | 0.66 | 0.70 | 0.79 | 0.69 |
| 1057 | 84.82 | 90.90 | 90.90 | 60.97 | 8.26 | 0.68 | 0.68 | 18.01 | 0.48 | 0.72 | 0.80 | 0.76 | 0.60 |
| 1060 | 87.01 | 91.34 | 91.34 | 62.27 | 10.62 | 0.42 | 0.42 | 27.75 | 0.73 | 0.51 | 0.53 | 1.21 | 0.95 |
| 82 | 83.85 | 91.15 | 91.15 | 59.44 | 13.16 | 0.44 | 0.44 | 27.28 | 0.69 | 0.53 | 0.54 | 1.06 | 0.86 |
| 1635 | 84.45 | 91.26 | 91.26 | 54.66 | 9.32 | 0.44 | 0.44 | 21.61 | 0.50 | 0.47 | 0.49 | 0.87 | 0.59 |
| 80 | 72.58 | 91.54 | 91.54 | 44.30 | 8.86 | 0.71 | 0.71 | 14.04 | 0.30 | 0.83 | 0.93 | 0.49 | 0.30 |
| 79 | 71.31 | 91.12 | 91.12 | 54.12 | 10.89 | 0.64 | 0.64 | 14.86 | 0.41 | 0.81 | 0.85 | 0.58 | 0.40 |
| 1062 | 87.56 | 91.55 | 91.55 | 62.47 | 10.99 | 0.46 | 0.46 | 30.61 | 0.76 | 0.56 | 0.58 | 1.18 | 1.05 |
| 81 | 78.51 | 91.10 | 91.10 | 50.40 | 8.97 | 0.77 | 0.77 | 16.07 | 0.36 | 0.80 | 0.88 | 0.59 | 0.40 |
| 1657 | 88.65 | 91.41 | 91.41 | 45.60 | 8.68 | 0.63 | 0.63 | 36.18 | 0.62 | 0.64 | 0.70 | 1.19 | 0.79 |
| 1063 | 79.83 | 91.10 | 91.10 | 62.43 | 9.94 | 0.53 | 0.53 | 15.81 | 0.50 | 0.68 | 0.72 | 0.75 | 0.55 |
| 1656 | 87.49 | 91.40 | 91.40 | 51.26 | 9.72 | 0.46 | 0.46 | 31.66 | 0.63 | 0.54 | 0.57 | 1.13 | 0.79 |
| 1065 | 83.15 | 91.12 | 91.12 | 45.60 | 14.08 | 0.43 | 0.43 | 33.44 | 0.63 | 0.55 | 0.56 | 1.08 | 0.73 |
| 1064 | 85.49 | 90.97 | 90.97 | 62.62 | 8.59 | 0.61 | 0.61 | 19.20 | 0.56 | 0.61 | 0.66 | 0.94 | 0.68 |
| 1067 | 86.93 | 91.21 | 91.21 | 61.71 | 10.85 | 0.48 | 0.48 | 28.38 | 0.75 | 0.59 | 0.61 | 1.26 | 0.96 |
| 84 | 84.61 | 91.43 | 91.43 | 58.23 | 13.31 | 0.43 | 0.43 | 29.68 | 0.73 | 0.47 | 0.48 | 1.16 | 0.89 |
| 1066 | 82.56 | 91.41 | 91.41 | 54.76 | 8.20 | 0.68 | 0.68 | 16.77 | 0.39 | 0.72 | 0.80 | 0.60 | 0.46 |
| 86 | 88.18 | 91.39 | 91.39 | 58.90 | 8.92 | 0.45 | 0.45 | 28.92 | 0.66 | 0.49 | 0.51 | 1.13 | 0.89 |
| 1068 | 76.49 | 91.28 | 91.28 | 60.31 | 10.86 | 0.74 | 0.74 | 15.73 | 0.48 | 0.92 | 0.99 | 0.67 | 0.51 |
| 1069 | 80.58 | 91.02 | 91.02 | 60.03 | 9.59 | 0.78 | 0.78 | 16.43 | 0.44 | 0.81 | 0.88 | 0.62 | 0.53 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 1034 | 73.48 | 91.14 | 91.14 | 44.58 | 10.63 | 0.56 | 0.56 | 17.22 | 0.36 | 0.59 | 0.62 | 0.57 | 0.37 |
| 45 | 75.55 | 91.07 | 91.07 | 45.38 | 9.61 | 0.54 | 0.54 | 16.43 | 0.34 | 0.65 | 0.69 | 0.55 | 0.36 |
| 1035 | 79.26 | 91.08 | 91.08 | 56.37 | 11.37 | 0.44 | 0.44 | 19.40 | 0.48 | 0.47 | 0.48 | 0.71 | 0.56 |
| 1036 | 89.09 | 91.06 | 91.06 | 48.53 | 7.14 | 0.41 | 0.41 | 31.89 | 0.55 | 0.45 | 0.48 | 1.00 | 0.75 |
| 47 | 60.04 | 90.72 | 90.72 | 25.09 | 11.69 | 0.41 | 0.41 | 17.02 | 0.28 | 0.47 | 0.48 | 0.46 | 0.26 |
| 1037 | 83.31 | 90.85 | 90.85 | 52.23 | 11.21 | 0.42 | 0.42 | 24.88 | 0.56 | 0.44 | 0.45 | 1.00 | 0.64 |
| 1038 | 90.08 | 91.16 | 91.16 | 50.85 | 6.79 | 0.45 | 0.45 | 40.13 | 0.68 | 0.50 | 0.53 | 1.34 | 1.00 |
| 48 | 68.30 | 91.42 | 91.42 | 36.79 | 12.53 | 0.37 | 0.37 | 19.30 | 0.34 | 0.41 | 0.41 | 0.51 | 0.35 |
| 1039 | 81.93 | 91.21 | 91.21 | 52.46 | 10.38 | 0.50 | 0.50 | 21.18 | 0.48 | 0.57 | 0.61 | 0.81 | 0.55 |
| 1041 | 79.52 | 91.06 | 91.06 | 50.92 | 13.45 | 0.38 | 0.38 | 24.94 | 0.56 | 0.39 | 0.39 | 0.92 | 0.62 |
| 1044 | 83.54 | 91.16 | 91.16 | 49.58 | 13.74 | 0.46 | 0.46 | 31.93 | 0.64 | 0.44 | 0.45 | 1.07 | 0.77 |
| 1045 | 73.08 | 91.04 | 91.04 | 46.45 | 13.65 | 0.44 | 0.44 | 21.44 | 0.45 | 0.45 | 0.45 | 0.66 | 0.48 |
| 52 | 72.47 | 91.36 | 91.36 | 34.14 | 11.92 | 0.50 | 0.50 | 20.78 | 0.35 | 0.68 | 0.71 | 0.60 | 0.36 |
| 56 | 73.74 | 90.91 | 90.91 | 34.01 | 9.19 | 0.45 | 0.45 | 16.63 | 0.28 | 0.47 | 0.49 | 0.47 | 0.29 |
| 58 | 86.80 | 91.43 | 91.43 | 53.17 | 11.22 | 0.46 | 0.46 | 32.80 | 0.67 | 0.46 | 0.47 | 1.11 | 0.86 |
| 1047 | 83.11 | 90.87 | 90.87 | 54.02 | 11.25 | 0.37 | 0.37 | 24.08 | 0.55 | 0.38 | 0.39 | 0.90 | 0.65 |
| 55 | 81.85 | 91.17 | 91.17 | 40.77 | 9.16 | 0.46 | 0.46 | 21.24 | 0.37 | 0.52 | 0.55 | 0.67 | 0.42 |
| 1049 | 88.68 | 91.63 | 91.63 | 50.59 | 6.12 | 0.60 | 0.60 | 23.95 | 0.47 | 0.57 | 0.67 | 0.96 | 0.58 |
| 59 | 71.68 | 91.02 | 91.02 | 42.04 | 14.02 | 0.59 | 0.59 | 22.24 | 0.44 | 0.77 | 0.80 | 0.67 | 0.45 |
| 60 | 70.33 | 90.78 | 90.78 | 38.31 | 9.91 | 0.42 | 0.42 | 15.77 | 0.29 | 0.41 | 0.43 | 0.46 | 0.30 |
| 1050 | 81.22 | 91.26 | 91.26 | 53.55 | 10.48 | 0.58 | 0.58 | 20.33 | 0.45 | 0.64 | 0.67 | 0.69 | 0.54 |
| 67 | 87.51 | 91.10 | 91.10 | 52.53 | 11.11 | 0.45 | 0.45 | 35.77 | 0.72 | 0.49 | 0.50 | 1.26 | 0.93 |
| 63 | 79.86 | 91.16 | 91.16 | 36.45 | 9.06 | 0.42 | 0.42 | 19.88 | 0.32 | 0.47 | 0.49 | 0.53 | 0.36 |
| 69 | 84.47 | 91.29 | 91.29 | 46.05 | 12.50 | 0.42 | 0.42 | 32.29 | 0.61 | 0.48 | 0.49 | 1.09 | 0.71 |
| 71 | 80.63 | 91.36 | 91.36 | 44.11 | 10.56 | 0.48 | 0.48 | 22.24 | 0.43 | 0.52 | 0.55 | 0.74 | 0.47 |
| 1054 | 86.81 | 91.16 | 91.16 | 54.02 | 7.51 | 0.43 | 0.43 | 21.77 | 0.45 | 0.47 | 0.50 | 0.72 | 0.59 |
| 70 | 69.97 | 91.33 | 91.33 | 32.27 | 11.86 | 0.43 | 0.43 | 19.75 | 0.33 | 0.52 | 0.53 | 0.56 | 0.33 |
| 1055 | 86.05 | 91.05 | 91.05 | 53.21 | 10.34 | 0.45 | 0.45 | 27.98 | 0.58 | 0.46 | 0.47 | 0.95 | 0.74 |
| 74 | 56.76 | 91.51 | 91.51 | 29.73 | 11.46 | 0.54 | 0.54 | 15.30 | 0.27 | 0.74 | 0.77 | 0.38 | 0.25 |
| 1056 | 84.68 | 91.55 | 91.55 | 49.80 | 7.72 | 0.52 | 0.52 | 19.31 | 0.39 | 0.69 | 0.80 | 0.65 | 0.46 |
| 78 | 85.09 | 91.21 | 91.21 | 46.13 | 10.71 | 0.50 | 0.50 | 29.00 | 0.52 | 0.55 | 0.57 | 0.85 | 0.64 |
| 1057 | 86.21 | 91.44 | 91.44 | 54.89 | 8.61 | 0.50 | 0.50 | 23.09 | 0.48 | 0.53 | 0.56 | 0.75 | 0.63 |
| 1060 | 87.82 | 91.14 | 91.14 | 52.63 | 10.98 | 0.49 | 0.49 | 36.86 | 0.72 | 0.55 | 0.57 | 1.21 | 0.96 |
| 82 | 83.57 | 91.29 | 91.29 | 48.84 | 13.59 | 0.51 | 0.51 | 31.94 | 0.63 | 0.53 | 0.54 | 1.05 | 0.75 |
| 1635 | 84.24 | 91.23 | 91.23 | 44.76 | 9.52 | 0.45 | 0.45 | 24.51 | 0.47 | 0.46 | 0.48 | 0.93 | 0.53 |
| 80 | 75.52 | 91.51 | 91.51 | 34.65 | 9.70 | 0.62 | 0.62 | 18.38 | 0.31 | 0.69 | 0.75 | 0.56 | 0.32 |
| 79 | 74.71 | 91.41 | 91.41 | 45.53 | 12.78 | 0.52 | 0.52 | 21.24 | 0.44 | 0.73 | 0.76 | 0.69 | 0.46 |
| 1062 | 88.00 | 91.36 | 91.36 | 54.65 | 11.24 | 0.55 | 0.55 | 37.65 | 0.75 | 0.65 | 0.68 | 1.21 | 1.03 |
| 81 | 79.78 | 91.43 | 91.43 | 39.09 | 9.53 | 0.50 | 0.50 | 20.32 | 0.35 | 0.54 | 0.56 | 0.62 | 0.39 |
| 1657 | 88.13 | 91.40 | 91.40 | 34.29 | 8.69 | 0.64 | 0.64 | 36.94 | 0.55 | 0.69 | 0.76 | 1.21 | 0.65 |
| 1063 | 82.18 | 91.36 | 91.36 | 54.85 | 11.08 | 0.45 | 0.45 | 22.19 | 0.52 | 0.61 | 0.63 | 0.81 | 0.61 |
| 1656 | 86.01 | 91.39 | 91.39 | 34.48 | 9.74 | 0.57 | 0.57 | 31.99 | 0.50 | 0.67 | 0.72 | 1.07 | 0.56 |
| 1065 | 83.90 | 91.18 | 91.18 | 44.07 | 14.27 | 0.47 | 0.47 | 36.16 | 0.65 | 0.55 | 0.56 | 1.15 | 0.77 |
| 1064 | 86.66 | 91.20 | 91.20 | 55.48 | 8.96 | 0.53 | 0.53 | 25.00 | 0.58 | 0.54 | 0.57 | 1.06 | 0.70 |
| 1067 | 87.26 | 91.16 | 91.16 | 50.60 | 11.15 | 0.45 | 0.45 | 35.61 | 0.70 | 0.51 | 0.53 | 1.24 | 0.88 |
| 84 | 84.29 | 91.41 | 91.41 | 47.74 | 13.65 | 0.44 | 0.44 | 34.11 | 0.67 | 0.51 | 0.52 | 1.20 | 0.78 |
| 1066 | 83.84 | 91.32 | 91.32 | 46.60 | 8.57 | 0.54 | 0.54 | 21.02 | 0.40 | 0.52 | 0.55 | 0.71 | 0.47 |
| 86 | 88.17 | 91.58 | 91.58 | 47.93 | 9.04 | 0.46 | 0.46 | 33.75 | 0.61 | 0.46 | 0.48 | 1.12 | 0.77 |
| 1068 | 76.47 | 91.41 | 91.41 | 51.97 | 11.85 | 0.46 | 0.46 | 19.32 | 0.46 | 0.61 | 0.63 | 0.72 | 0.49 |
| 1069 | 81.26 | 91.34 | 91.34 | 52.10 | 10.19 | 0.59 | 0.59 | 20.16 | 0.43 | 0.63 | 0.66 | 0.64 | 0.51 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|------------|-----------|--------|--------|-----------------------|------|------|---------------------------------|-------------------------------|--|--------------------------------------|
| FK6 No. | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ [mas] | $\Delta\delta_{sys}$ [mas] | $\Delta\mu_{\alpha^*,sys}$ [mas/yr] | $\Delta\mu_{\delta,sys}$ [mas/yr] |
| | SI | STP | HIP | SI | STP | HIP | | | | |
| 1034 | 14.68 | 14.81 | 14.83 | 0.83 | 0.86 | 0.86 | - 47.65 | - 34.32 | + 1.32 | - 1.18 |
| 45 | 10.40 | 10.47 | 10.49 | 0.75 | 0.77 | 0.77 | - 6.78 | - 0.48 | - 0.48 | - 1.00 |
| 1035 | 16.77 | 16.69 | 16.68 | 0.69 | 0.70 | 0.70 | - 32.33 | + 33.22 | + 1.84 | - 0.36 |
| 1036 | 3.62 | 3.65 | 3.67 | 0.70 | 0.71 | 0.71 | - 54.60 | - 40.15 | + 2.41 | - 0.81 |
| 47 | 31.26 | 28.60 | 28.48 | 0.74 | 0.77 | 0.77 | - 36.15 | - 44.77 | + 1.56 | - 0.06 |
| 1037 | 12.07 | 12.16 | 12.17 | 0.74 | 0.75 | 0.75 | - 40.93 | - 30.64 | + 1.56 | - 0.47 |
| 1038 | 3.25 | 3.24 | 3.23 | 0.55 | 0.55 | 0.55 | - 13.68 | + 56.32 | - 0.24 | - 1.21 |
| 48 | 32.88 | 32.81 | 32.81 | 0.60 | 0.62 | 0.62 | - 9.28 | + 28.15 | + 0.27 | - 0.89 |
| 1039 | 10.64 | 10.63 | 10.63 | 0.76 | 0.77 | 0.77 | - 43.47 | - 6.43 | - 0.49 | - 1.28 |
| 1041 | 27.45 | 27.54 | 27.55 | 0.74 | 0.74 | 0.74 | - 24.50 | - 49.92 | + 1.28 | + 0.07 |
| 1044 | 22.31 | 22.16 | 22.15 | 0.60 | 0.61 | 0.61 | - 70.88 | + 19.44 | + 3.89 | - 3.01 |
| 1045 | 74.13 | 74.25 | 74.25 | 0.72 | 0.72 | 0.72 | - 34.46 | + 20.12 | + 0.99 | - 0.64 |
| 52 | 18.45 | 18.74 | 18.76 | 0.72 | 0.74 | 0.74 | - 54.69 | + 31.29 | + 1.71 | - 0.20 |
| 56 | 8.85 | 8.85 | 8.86 | 0.76 | 0.77 | 0.77 | - 55.87 | - 41.66 | + 1.53 | - 1.34 |
| 58 | 10.73 | 10.71 | 10.71 | 0.71 | 0.71 | 0.71 | - 83.26 | - 31.89 | + 2.53 | - 1.54 |
| 1047 | 12.54 | 12.60 | 12.61 | 0.68 | 0.68 | 0.68 | - 32.69 | + 11.20 | + 0.45 | - 0.77 |
| 55 | 7.45 | 7.35 | 7.34 | 0.60 | 0.61 | 0.61 | - 19.90 | + 29.96 | - 0.78 | - 1.11 |
| 1049 | 2.53 | 2.60 | 2.71 | 0.87 | 0.89 | 0.90 | - 51.87 | - 35.03 | + 1.77 | - 0.42 |
| 59 | 274.06 | 274.16 | 274.17 | 0.79 | 0.80 | 0.80 | - 39.20 | - 47.99 | + 1.14 | + 0.12 |
| 60 | 9.59 | 12.55 | 12.63 | 0.85 | 0.86 | 0.86 | - 40.27 | - 38.59 | + 1.62 | - 1.42 |
| 1050 | 11.16 | 11.34 | 11.37 | 0.76 | 0.76 | 0.76 | - 45.46 | - 10.44 | - 0.44 | - 1.34 |
| 67 | 10.02 | 10.13 | 10.15 | 0.60 | 0.60 | 0.60 | - 63.58 | + 13.24 | + 4.08 | - 2.79 |
| 63 | 7.47 | 7.38 | 7.38 | 0.56 | 0.57 | 0.57 | - 31.82 | + 37.31 | - 0.65 | - 1.13 |
| 69 | 15.03 | 15.04 | 15.04 | 0.47 | 0.47 | 0.47 | - 22.56 | + 51.69 | - 0.60 | - 1.01 |
| 71 | 11.09 | 10.87 | 10.84 | 0.78 | 0.79 | 0.79 | - 49.35 | - 42.03 | + 1.10 | + 0.15 |
| 1054 | 4.50 | 4.43 | 4.41 | 0.61 | 0.62 | 0.62 | - 42.26 | + 17.31 | + 0.89 | - 0.39 |
| 70 | 20.17 | 20.12 | 20.12 | 0.55 | 0.56 | 0.56 | + 9.80 | + 2.30 | - 0.80 | - 1.01 |
| 1055 | 9.32 | 9.08 | 9.03 | 0.77 | 0.78 | 0.78 | - 64.65 | - 40.16 | + 3.50 | - 0.59 |
| 74 | 48.91 | 49.45 | 49.48 | 0.95 | 0.99 | 0.99 | - 27.52 | - 8.70 | - 0.92 | - 1.33 |
| 1056 | 4.74 | 4.86 | 4.90 | 0.81 | 0.85 | 0.86 | - 44.56 | - 7.67 | - 0.81 | - 1.40 |
| 78 | 9.76 | 9.81 | 9.82 | 0.68 | 0.68 | 0.68 | - 69.22 | - 38.28 | + 3.68 | - 0.80 |
| 1057 | 6.11 | 6.05 | 6.03 | 0.74 | 0.75 | 0.75 | - 35.61 | - 13.72 | - 0.24 | - 1.39 |
| 1060 | 9.84 | 9.79 | 9.77 | 0.64 | 0.65 | 0.65 | - 80.43 | - 9.67 | + 3.53 | - 2.10 |
| 82 | 21.08 | 21.06 | 21.06 | 0.61 | 0.61 | 0.61 | - 100.60 | + 29.64 | + 4.09 | - 3.04 |
| 1635 | 7.68 | 7.63 | 7.62 | 0.54 | 0.54 | 0.54 | - 4.80 | + 7.58 | - 0.94 | + 0.59 |
| 80 | 9.54 | 9.55 | 9.58 | 0.92 | 0.93 | 0.93 | - 63.02 | - 41.93 | + 1.96 | - 0.26 |
| 79 | 27.73 | 27.74 | 27.73 | 0.83 | 0.84 | 0.84 | - 37.48 | + 10.08 | + 0.21 | - 0.85 |
| 1062 | 10.38 | 10.36 | 10.35 | 0.78 | 0.78 | 0.78 | - 83.18 | - 30.67 | + 3.22 | - 1.46 |
| 81 | 7.60 | 8.26 | 8.42 | 0.82 | 0.84 | 0.84 | - 41.48 | - 6.84 | - 0.86 | - 1.40 |
| 1657 | 5.56 | 5.55 | 5.55 | 0.73 | 0.73 | 0.73 | + 16.60 | - 17.83 | - 0.83 | - 2.38 |
| 1063 | 12.75 | 12.77 | 12.77 | 0.70 | 0.70 | 0.70 | - 58.27 | + 31.38 | + 1.25 | - 0.27 |
| 1656 | 7.43 | 7.44 | 7.44 | 0.63 | 0.63 | 0.63 | + 64.07 | - 2.24 | - 2.91 | - 2.04 |
| 1065 | 24.14 | 24.10 | 24.10 | 0.51 | 0.51 | 0.51 | - 21.19 | + 55.14 | - 0.92 | - 1.01 |
| 1064 | 6.32 | 6.45 | 6.47 | 0.86 | 0.87 | 0.87 | - 53.97 | - 41.95 | + 1.59 | + 0.12 |
| 1067 | 10.23 | 10.25 | 10.26 | 0.51 | 0.51 | 0.51 | + 38.21 | + 39.10 | - 3.80 | - 0.72 |
| 84 | 20.40 | 20.40 | 20.40 | 0.50 | 0.50 | 0.50 | - 53.56 | + 64.27 | + 0.11 | - 1.90 |
| 1066 | 6.21 | 6.18 | 6.17 | 0.82 | 0.86 | 0.87 | - 51.00 | - 48.70 | + 2.14 | - 0.05 |
| 86 | 6.21 | 6.18 | 6.17 | 0.60 | 0.60 | 0.60 | - 65.51 | + 24.07 | + 4.60 | - 2.95 |
| 1068 | 20.90 | 21.00 | 21.01 | 0.82 | 0.83 | 0.83 | - 21.66 | + 4.35 | - 0.47 | - 1.04 |
| 1069 | 10.40 | 10.40 | 10.40 | 0.85 | 0.86 | 0.86 | - 36.86 | - 5.88 | - 0.78 | - 1.41 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|------------|---------------------------------------|-------------------------------------|--|--|-----------|----------|----------|--------------|----------|----------------------|
| FK6 No. | $\varepsilon_{\alpha^*,sys}$ [mas] | $\varepsilon_{\delta,sys}$ [mas] | $\varepsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\varepsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 1034 | 6.87 | 6.32 | 0.28 | 0.18 | 1 | 1.57 | 1.51 | 2.73 | 2.82 | 29 |
| 45 | 8.42 | 6.66 | 0.29 | 0.18 | 1 | 0.97 | 1.38 | 1.88 | 1.55 | 30 |
| 1035 | 9.70 | 7.11 | 0.30 | 0.20 | 1 | 1.83 | 0.47 | 1.36 | 1.48 | 31 |
| 1036 | 8.55 | 7.49 | 0.29 | 0.20 | 1 | 0.93 | 0.25 | 0.40 | 0.76 | |
| 47 | 6.85 | 6.74 | 0.28 | 0.18 | | 17.63 | 9.78 | 12.56 | 11.94 | 32 |
| 1037 | 6.89 | 6.53 | 0.27 | 0.17 | 1 | 1.77 | 2.36 | 2.34 | 3.09 | |
| 1038 | 11.40 | 9.43 | 0.40 | 0.26 | 1 | 0.47 | 1.16 | 0.71 | 1.03 | |
| 48 | 11.33 | 8.57 | 0.38 | 0.25 | 1 | 1.15 | 2.20 | 3.09 | 2.02 | 33 |
| 1039 | 7.75 | 6.94 | 0.28 | 0.20 | 1 | 1.18 | 1.11 | 1.86 | 2.36 | 34 |
| 1041 | 7.76 | 6.76 | 0.26 | 0.20 | 1 | 0.16 | 2.27 | 0.59 | 1.85 | |
| 1044 | 10.29 | 7.65 | 0.31 | 0.23 | 1 | 0.41 | 2.58 | 0.49 | 1.78 | 35 |
| 1045 | 9.34 | 7.71 | 0.31 | 0.22 | 1 | 0.82 | 1.72 | 1.63 | 1.01 | 36 |
| 52 | 9.93 | 7.65 | 0.30 | 0.23 | 1 | 2.75 | 3.01 | 4.14 | 0.82 | |
| 56 | 7.37 | 6.62 | 0.27 | 0.18 | 1 | 0.99 | 1.17 | 3.28 | 0.85 | |
| 58 | 9.08 | 7.16 | 0.29 | 0.22 | 1 | 2.58 | 2.28 | 0.89 | 3.80 | 37 |
| 1047 | 8.62 | 7.08 | 0.28 | 0.21 | 1 | 2.74 | 1.61 | 2.67 | 3.11 | 38 |
| 55 | 11.28 | 9.11 | 0.41 | 0.31 | 1 | 2.95 | 2.08 | 3.79 | 1.49 | |
| 1049 | 7.19 | 6.67 | 0.27 | 0.17 | 1 | 3.49 | 2.49 | 2.17 | 1.81 | |
| 59 | 7.72 | 7.15 | 0.27 | 0.21 | 1 | 3.24 | 1.33 | 3.18 | 2.94 | 39 |
| 60 | 7.14 | 6.94 | 0.27 | 0.19 | | 17.88 | 23.33 | 25.00 | 3.69 | |
| 1050 | 7.70 | 7.18 | 0.26 | 0.20 | 1 | 2.87 | 2.60 | 2.70 | 2.37 | 40 |
| 67 | 9.90 | 7.34 | 0.30 | 0.21 | 1 | 5.62 | 2.37 | 6.56 | 4.15 | 41 |
| 63 | 11.35 | 9.74 | 0.39 | 0.26 | 1 | 1.43 | 2.31 | 2.73 | 2.06 | 42 |
| 69 | 11.30 | 9.00 | 0.41 | 0.29 | 1 | 1.63 | 1.11 | 0.70 | 2.07 | |
| 71 | 8.21 | 7.24 | 0.29 | 0.21 | 1 | 1.44 | 2.03 | 1.96 | 0.62 | |
| 1054 | 9.90 | 8.51 | 0.35 | 0.25 | 1 | 2.39 | 0.75 | 2.05 | 2.58 | 43 |
| 70 | 12.04 | 10.28 | 0.42 | 0.31 | 1 | 1.04 | 1.86 | 0.21 | 2.41 | 44 |
| 1055 | 8.38 | 7.29 | 0.30 | 0.20 | 1 | 4.17 | 3.03 | 5.63 | 1.73 | |
| 74 | 7.99 | 7.04 | 0.28 | 0.20 | 1 | 1.65 | 2.10 | 3.34 | 1.03 | 45 |
| 1056 | 7.76 | 6.98 | 0.27 | 0.20 | 1 | 0.31 | 0.98 | 2.12 | 1.62 | 46 |
| 78 | 8.01 | 7.52 | 0.30 | 0.20 | 1 | 0.55 | 1.70 | 0.86 | 1.09 | 47 |
| 1057 | 7.82 | 6.94 | 0.27 | 0.20 | 1 | 2.14 | 2.11 | 1.31 | 0.56 | 48 |
| 1060 | 8.93 | 7.90 | 0.31 | 0.22 | 1 | 3.29 | 1.09 | 2.93 | 2.15 | 49 |
| 82 | 9.91 | 7.71 | 0.32 | 0.24 | 1 | 1.73 | 1.03 | 2.51 | 2.27 | 50 |
| 1635 | 15.85 | 13.97 | 0.64 | 0.50 | 1 | 0.18 | 3.85 | 2.34 | 2.84 | |
| 80 | 7.29 | 6.53 | 0.26 | 0.17 | 1 | 2.07 | 2.41 | 1.26 | 0.96 | 51 |
| 79 | 7.99 | 7.11 | 0.28 | 0.21 | 1 | 2.42 | 0.87 | 0.33 | 3.54 | 52 |
| 1062 | 8.62 | 6.90 | 0.29 | 0.21 | 1 | 1.52 | 3.49 | 0.88 | 2.56 | |
| 81 | 7.71 | 6.89 | 0.27 | 0.20 | 1 | 4.41 | 3.99 | 6.34 | 1.18 | 53 |
| 1657 | 18.76 | 16.70 | 0.70 | 0.52 | 1 | 1.40 | 0.93 | 0.99 | 2.13 | |
| 1063 | 9.38 | 7.09 | 0.28 | 0.21 | 1 | 1.56 | 1.62 | 1.72 | 1.76 | 54 |
| 1656 | 15.75 | 13.80 | 0.62 | 0.47 | 1 | 1.44 | 0.66 | 0.82 | 1.90 | 55 |
| 1065 | 10.65 | 8.93 | 0.41 | 0.30 | 1 | 0.81 | 1.32 | 1.29 | 1.74 | 56 |
| 1064 | 7.87 | 6.89 | 0.27 | 0.21 | 1 | 1.58 | 2.39 | 0.98 | 3.10 | |
| 1067 | 11.63 | 10.59 | 0.43 | 0.29 | 1 | 2.19 | 1.76 | 1.53 | 1.11 | |
| 84 | 10.69 | 8.61 | 0.37 | 0.24 | 1 | 2.27 | 1.82 | 2.36 | 3.16 | 57 |
| 1066 | 8.02 | 6.45 | 0.27 | 0.19 | 1 | 2.73 | 2.15 | 3.01 | 2.19 | 58 |
| 86 | 9.27 | 7.06 | 0.28 | 0.22 | 1 | 1.40 | 1.00 | 1.27 | 1.03 | 59 |
| 1068 | 8.26 | 7.00 | 0.28 | 0.20 | 1 | 0.37 | 1.62 | 1.82 | 1.27 | 60 |
| 1069 | 7.66 | 6.72 | 0.25 | 0.20 | 1 | 1.01 | 0.08 | 0.75 | 1.34 | 61 |

| 1 | 2 | 3 | 4 | | | 5 | | | 6 | 7 | | | |
|------------|------------|---------------------------|--------------------|----|------------|--------------------|----|----|----------------------------|--------------------------|---------|---|--------|
| FK6 No. | HIP No. | Name | α (SI) 2000 | | | δ (SI) 2000 | | | μ_{α^*} (SI) 2000 | μ_{δ} (SI) 2000 | | | |
| | | | h | m | s | ° | ' | '' | [mas/yr] | [mas/yr] | | | |
| 1071 | 11783 | σ Cet | 2 | 32 | 5.233 284 | - | 15 | 14 | 40.669 77 | - | 72.61 | - | 127.74 |
| 1070 | 11784 | 14 Tri | 2 | 32 | 6.169 246 | + | 36 | 8 | 50.149 88 | + | 46.16 | + | 13.30 |
| 88 | 11867 | λ^1 For | 2 | 33 | 7.026 477 | - | 34 | 38 | 59.880 83 | - | 17.54 | - | 17.95 |
| 1074 | 12107 | 80 Cet | 2 | 36 | 0.048 045 | - | 7 | 49 | 53.747 04 | - | 34.06 | - | 58.95 |
| 87 | 12273 | 36 H. Cas | 2 | 38 | 2.032 120 | + | 72 | 49 | 5.707 66 | - | 28.36 | + | 15.35 |
| 91 | 12387 | δ Cet | 2 | 39 | 28.956 395 | + | 0 | 19 | 42.631 78 | + | 13.93 | - | 3.27 |
| 95 | 12394 | ε Hyi | 2 | 39 | 35.360 468 | - | 68 | 16 | 1.012 77 | + | 86.84 | - | 0.16 |
| 1075 | 12486 | ι Eri | 2 | 40 | 40.034 488 | - | 39 | 51 | 19.357 34 | + | 135.26 | - | 27.97 |
| 1077 | 12768 | 14 Per | 2 | 44 | 5.160 729 | + | 44 | 17 | 49.340 69 | + | 3.22 | - | 6.47 |
| 97 | 12770 | π Cet | 2 | 44 | 7.348 771 | - | 13 | 51 | 31.355 43 | - | 9.30 | - | 13.91 |
| 1079 | 13327 | σ Ari | 2 | 51 | 29.586 046 | + | 15 | 4 | 55.445 65 | + | 29.99 | - | 24.27 |
| 104 | 13701 | η Eri | 2 | 56 | 25.649 869 | - | 8 | 53 | 53.311 88 | + | 78.02 | - | 219.05 |
| 1080 | 13717 | 40 G. Eri | 2 | 56 | 37.423 957 | - | 3 | 42 | 44.359 01 | - | 36.25 | - | 44.15 |
| 1081 | 13834 | 47 Ari | 2 | 58 | 5.221 326 | + | 20 | 40 | 7.444 92 | + | 234.43 | - | 31.04 |
| 1082 | 13905 | 24 Per | 2 | 59 | 3.676 577 | + | 35 | 10 | 59.266 25 | - | 46.52 | + | 6.32 |
| 1083 | 13954 | λ Cet | 2 | 59 | 42.899 264 | + | 8 | 54 | 26.516 06 | + | 5.14 | - | 14.57 |
| 1084 | 14117 | -18°516 Eri | 3 | 2 | 2.508 455 | - | 18 | 12 | 27.898 37 | - | 38.79 | - | 35.07 |
| 107 | 14135 | α Cet | 3 | 2 | 16.773 198 | + | 4 | 5 | 23.062 12 | - | 10.10 | - | 76.53 |
| 1085 | 14146 | τ^3 Eri | 3 | 2 | 23.499 540 | - | 23 | 37 | 28.096 97 | - | 146.95 | - | 55.64 |
| 1086 | 14187 | 58 G. Eri | 3 | 2 | 55.862 794 | - | 46 | 58 | 30.128 01 | + | 24.70 | + | 2.75 |
| 110 | 14240 | μ Hor | 3 | 3 | 36.819 337 | - | 59 | 44 | 15.994 38 | - | 72.91 | - | 64.30 |
| 109 | 14354 | ρ Per | 3 | 5 | 10.593 879 | + | 38 | 50 | 24.995 29 | + | 129.35 | - | 105.53 |
| 1087 | 14501 | 63 G. Eri | 3 | 7 | 18.574 347 | - | 13 | 45 | 42.424 89 | - | 9.26 | - | 261.24 |
| 112 | 14632 | ι Per | 3 | 9 | 4.020 035 | + | 49 | 36 | 47.801 00 | + | 1262.61 | - | 91.39 |
| 1088 | 14677 | 55 Ari | 3 | 9 | 36.741 556 | + | 29 | 4 | 37.489 09 | + | 20.87 | - | 13.12 |
| 114 | 14838 | δ Ari | 3 | 11 | 37.764 752 | + | 19 | 43 | 36.019 54 | + | 153.51 | - | 10.58 |
| 118 | 14930 | 38 G. Hor | 3 | 12 | 33.160 125 | - | 57 | 19 | 17.575 24 | + | 18.72 | + | 13.71 |
| 1089 | 15110 | ζ Ari | 3 | 14 | 54.098 286 | + | 21 | 2 | 40.019 24 | - | 26.37 | - | 73.58 |
| 1095 | 15201 | ι Hyi | 3 | 15 | 57.661 559 | - | 77 | 23 | 18.433 27 | + | 113.61 | + | 62.25 |
| 1092 | 15265 | Lac 1044 For | 3 | 16 | 55.070 373 | - | 31 | 21 | 7.884 40 | + | 17.31 | - | 29.73 |
| 1093 | 15457 | κ Cet | 3 | 19 | 21.696 983 | + | 3 | 22 | 12.713 68 | + | 270.54 | + | 93.67 |
| 119 | 15510 | 82 G. Eri | 3 | 19 | 55.650 638 | - | 43 | 4 | 11.221 21 | + | 3037.43 | + | 726.52 |
| 120 | 15863 | α Per | 3 | 24 | 19.370 390 | + | 49 | 51 | 40.254 02 | + | 24.15 | - | 25.18 |
| 1096 | 15890 | Pi 3 ^h 27 Cam | 3 | 24 | 40.556 906 | + | 64 | 35 | 9.591 65 | - | 3.24 | + | 0.61 |
| 124 | 16335 | σ Per | 3 | 30 | 34.485 189 | + | 47 | 59 | 42.785 16 | + | 3.42 | + | 18.99 |
| 1097 | 16341 | 17 Eri | 3 | 30 | 37.058 530 | - | 5 | 4 | 30.530 65 | + | 14.75 | + | 6.55 |
| 128 | 16509 | 45 G. Hor | 3 | 32 | 34.802 741 | - | 50 | 22 | 43.124 41 | + | 94.18 | + | 83.48 |
| 1098 | 16518 | +34°674 Per | 3 | 32 | 40.015 744 | + | 35 | 27 | 42.212 58 | - | 8.31 | + | 2.22 |
| 1101 | 16852 | 10 Tau | 3 | 36 | 52.383 780 | + | 0 | 24 | 5.983 66 | - | 231.71 | - | 481.77 |
| 1102 | 17007 | τ For | 3 | 38 | 47.671 614 | - | 27 | 56 | 35.005 00 | + | 21.46 | + | 24.75 |
| 133 | 17304 | δ For | 3 | 42 | 14.902 640 | - | 31 | 56 | 18.100 36 | + | 5.09 | + | 14.26 |
| 135 | 17378 | δ Eri | 3 | 43 | 14.901 013 | - | 9 | 45 | 48.199 47 | - | 93.00 | + | 744.67 |
| 137 | 17457 | 24 Eri | 3 | 44 | 30.510 040 | - | 1 | 9 | 47.130 95 | + | 3.49 | - | 5.56 |
| 140 | 17651 | τ^6 Eri | 3 | 46 | 50.887 575 | - | 23 | 14 | 59.008 38 | - | 159.79 | - | 529.31 |
| 146 | 17678 | γ Hyi | 3 | 47 | 14.339 894 | - | 74 | 14 | 20.266 11 | + | 50.45 | + | 115.08 |
| 143 | 17874 | 138 G. Eri | 3 | 49 | 27.245 028 | - | 36 | 12 | 0.880 60 | - | 49.61 | - | 54.38 |
| 1107 | 18169 | 145 G. Eri | 3 | 53 | 8.367 317 | - | 6 | 38 | 1.494 15 | + | 2.21 | - | 3.76 |
| 1106 | 18170 | Pi 3 ^h 187 Tau | 3 | 53 | 10.046 133 | + | 17 | 19 | 37.504 47 | + | 143.48 | - | 29.37 |
| 1105 | 18217 | +57°752 Cam | 3 | 53 | 43.284 889 | + | 57 | 58 | 30.504 45 | + | 84.00 | - | 94.27 |
| 1109 | 18592 | 17 G. Ret | 3 | 58 | 42.901 896 | - | 57 | 6 | 8.499 20 | + | 26.04 | + | 11.10 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|---------------------------------------|--|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | $\varepsilon_{\alpha*}$ (SI) [mas] | $\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 1071 | 90.91 | 0.54 | 0.32 | 91.22 | 0.57 | 0.33 | 38.73 | 0.87 | H | - 29.2 | 4.74 | | 28 | 2 | |
| 1070 | 91.32 | 0.61 | 0.33 | 91.48 | 0.47 | 0.36 | 8.33 | 0.84 | H | - 35.9 | 5.15 | 1 | 21 | 2 | |
| 88 | 91.44 | 0.38 | 0.38 | 91.19 | 0.45 | 0.40 | 8.58 | 0.66 | H | + 13.0 | 5.91 | | 11 | 1 | 3 |
| 1074 | 91.41 | 0.71 | 0.42 | 91.25 | 0.59 | 0.40 | 6.31 | 0.87 | H | + 14.1 | 5.53 | 1 | 15 | 1 | 3 |
| 87 | 91.20 | 0.37 | 0.26 | 91.19 | 0.42 | 0.27 | 12.73 | 0.54 | H | - 2.3 | 5.17 | | 21 | 2 | |
| 91 | 90.80 | 0.73 | 0.24 | 91.18 | 0.51 | 0.24 | 5.04 | 0.83 | H | + 13.0 | 4.08 | 1 | 19 | | 1 |
| 95 | 91.28 | 0.40 | 0.36 | 91.33 | 0.50 | 0.39 | 21.27 | 0.50 | H | + 6.0 | 4.12 | | 31 | | |
| 1075 | 91.20 | 0.39 | 0.37 | 91.19 | 0.44 | 0.37 | 22.42 | 0.57 | H | - 9.3 | 4.11 | | 11 | 1 | 3 |
| 1077 | 91.44 | 0.71 | 0.44 | 91.24 | 0.65 | 0.43 | 4.71 | 0.89 | H | - 3.1 | 5.43 | | 19 | | 1 |
| 97 | 91.27 | 0.66 | 0.32 | 91.21 | 0.53 | 0.33 | 7.40 | 0.85 | H | + 15.4 | 4.24 | | 29 | 2 | |
| 1079 | 90.86 | 0.68 | 0.29 | 91.27 | 0.51 | 0.26 | 6.80 | 0.89 | H | + 17.0 | 5.52 | | 39 | | |
| 104 | 91.15 | 0.57 | 0.24 | 91.29 | 0.51 | 0.25 | 24.49 | 0.72 | H | - 20.3 | 3.89 | | 11 | 1 | 3 |
| 1080 | 90.94 | 0.92 | 0.58 | 91.06 | 0.66 | 0.54 | 17.28 | 0.93 | H | - 15.0 | 5.16 | | 19 | | 1 |
| 1081 | 91.09 | 0.69 | 0.33 | 91.23 | 0.58 | 0.34 | 31.41 | 0.84 | H | + 28.1 | 5.80 | | 31 | | |
| 1082 | 91.17 | 0.64 | 0.39 | 91.19 | 0.52 | 0.41 | 9.31 | 0.78 | H | - 36.0 | 4.94 | | 11 | 1 | 3 |
| 1083 | 90.85 | 0.65 | 0.37 | 91.35 | 0.45 | 0.35 | 7.69 | 0.76 | H | + 10.2 | 4.71 | | 21 | 2 | |
| 1084 | 91.58 | 0.73 | 0.55 | 91.37 | 0.55 | 0.55 | 9.62 | 1.07 | H | - 2.6 | 7.54 | | 13 | | |
| 107 | 90.77 | 0.71 | 0.21 | 91.08 | 0.57 | 0.20 | 14.82 | 0.83 | H | - 26.1 | 2.54 | 1 | 23 | 2 | |
| 1085 | 90.92 | 0.48 | 0.33 | 91.09 | 0.46 | 0.34 | 37.85 | 0.69 | H | - 9.8 | 4.08 | | 39 | | |
| 1086 | 91.29 | 0.47 | 0.45 | 91.08 | 0.42 | 0.42 | 3.97 | 0.56 | H | + 16.0 | 5.81 | | 38 | | |
| 110 | 91.31 | 0.41 | 0.38 | 91.27 | 0.45 | 0.41 | 23.67 | 0.48 | H | + 17.3 | 5.12 | | 11 | 1 | 3 |
| 109 | 91.18 | 0.65 | 0.29 | 91.21 | 0.57 | 0.30 | 10.03 | 0.83 | H | + 28.2 | 3.32 | 2 | 13 | | |
| 1087 | 91.48 | 0.65 | 0.46 | 91.18 | 0.53 | 0.49 | 31.76 | 0.91 | H | + 7.0 | 6.97 | | 11 | 1 | 3 |
| 112 | 91.11 | 0.51 | 0.28 | 91.04 | 0.49 | 0.29 | 94.93 | 0.67 | H | + 49.4 | 4.05 | | 19 | | 1 |
| 1088 | 91.07 | 0.76 | 0.40 | 91.04 | 0.63 | 0.39 | 2.89 | 1.05 | H | - 2.0 | 5.74 | | 39 | | |
| 114 | 90.90 | 0.81 | 0.24 | 91.25 | 0.67 | 0.24 | 19.44 | 1.23 | H | + 24.7 | 4.35 | | 23 | 2 | |
| 118 | 91.54 | 0.45 | 0.37 | 91.46 | 0.47 | 0.40 | 2.48 | 0.56 | H | + 14.3 | 5.71 | 2 | 33 | | |
| 1089 | 91.03 | 0.76 | 0.27 | 91.23 | 0.70 | 0.27 | 9.59 | 1.06 | H | + 7.0 | 4.87 | | 29 | 2 | |
| 1095 | 91.31 | 0.43 | 0.37 | 91.40 | 0.47 | 0.41 | 34.02 | 0.51 | H | + 19.4 | 5.51 | | 19 | | 1 |
| 1092 | 91.25 | 0.38 | 0.38 | 91.05 | 0.52 | 0.50 | 6.04 | 0.82 | H | + 18.0 | 7.15 | | 38 | | |
| 1093 | 91.13 | 0.66 | 0.34 | 91.24 | 0.50 | 0.33 | 109.18 | 0.78 | H | + 18.8 | 4.84 | 1 | 35 | | |
| 119 | 91.26 | 0.44 | 0.39 | 91.25 | 0.45 | 0.40 | 165.02 | 0.55 | H | + 83.9 | 4.26 | | 11 | 1 | 3 |
| 120 | 91.22 | 0.54 | 0.22 | 90.94 | 0.47 | 0.21 | 5.51 | 0.66 | H | - 2.4 | 1.79 | 1 | 19 | | 1 |
| 1096 | 91.05 | 0.40 | 0.35 | 91.12 | 0.49 | 0.40 | 2.61 | 0.73 | H | - 21.0 | 5.13 | 2 | 13 | | |
| 124 | 91.11 | 0.61 | 0.30 | 91.10 | 0.57 | 0.33 | 9.23 | 0.83 | H | + 15.9 | 4.36 | | 31 | | |
| 1097 | 91.05 | 0.62 | 0.36 | 91.27 | 0.44 | 0.33 | 8.57 | 0.73 | H | + 15.0 | 4.74 | | 29 | 2 | |
| 128 | 91.17 | 0.49 | 0.47 | 91.26 | 0.46 | 0.45 | 10.63 | 0.54 | H | + 37.0 | 5.67 | | 19 | | 1 |
| 1098 | 91.21 | 0.69 | 0.39 | 91.12 | 0.56 | 0.41 | 1.83 | 0.21 | P | + 25.0 | 5.91 | | 33 | | |
| 1101 | 91.12 | 0.61 | 0.32 | 91.39 | 0.48 | 0.32 | 72.89 | 0.78 | H | + 27.9 | 4.29 | | 31 | | |
| 1102 | 91.13 | 0.42 | 0.35 | 91.17 | 0.47 | 0.39 | 7.81 | 0.74 | H | + 39.0 | 6.01 | | 31 | | |
| 133 | 91.46 | 0.38 | 0.35 | 91.36 | 0.45 | 0.38 | 4.45 | 0.62 | H | + 26.0 | 4.99 | | 19 | | 1 |
| 135 | 90.99 | 0.72 | 0.29 | 91.27 | 0.58 | 0.31 | 110.58 | 0.88 | H | - 6.6 | 3.52 | | 21 | 2 | |
| 137 | 91.20 | 0.61 | 0.38 | 91.47 | 0.51 | 0.41 | 4.99 | 0.74 | H | + 27.0 | 5.24 | | 19 | | 1 |
| 140 | 91.00 | 0.35 | 0.29 | 91.03 | 0.38 | 0.33 | 55.79 | 0.69 | H | + 6.5 | 4.22 | | 31 | | |
| 146 | 91.43 | 0.46 | 0.34 | 91.28 | 0.48 | 0.35 | 15.23 | 0.53 | H | + 15.8 | 3.26 | 1 | 13 | | |
| 143 | 91.31 | 0.41 | 0.37 | 91.14 | 0.46 | 0.43 | 15.54 | 0.58 | H | + 2.0 | 4.17 | | 21 | 2 | |
| 1107 | 91.14 | 0.68 | 0.44 | 91.33 | 0.57 | 0.49 | 3.65 | 0.42 | P | + 35.1 | 6.56 | | 31 | | |
| 1106 | 91.16 | 0.81 | 0.38 | 91.10 | 0.51 | 0.37 | 24.14 | 0.90 | H | + 35.0 | 5.97 | | 19 | | 1 |
| 1105 | 91.15 | 0.54 | 0.36 | 91.04 | 0.47 | 0.39 | 19.14 | 0.69 | H | - 4.9 | 5.80 | | 23 | 2 | |
| 1109 | 91.19 | 0.47 | 0.48 | 91.32 | 0.49 | 0.48 | 16.20 | 0.52 | H | + 11.4 | 6.05 | | 11 | 1 | 3 |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------------|--|---------|---------|----------|--------------------------------------|----------|----------|----------|
| FK6 No. | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 1071 | + 3.81 | - 63.40 | - 72.06 | + 32.83 | + 53.63 | - 154.41 | - 166.73 | + 91.67 |
| 1070 | + 0.07 | + 11.92 | + 14.75 | + 3.21 | - 1.98 | + 22.28 | + 26.63 | + 77.66 |
| 88 | - 4.04 | + 0.94 | + 1.11 | - 32.38 | - 1.78 | + 0.08 | + 0.08 | - 32.07 |
| 1074 | - 4.10 | + 3.06 | + 3.96 | - 35.90 | + 0.17 | - 2.37 | - 2.76 | - 38.88 |
| 87 | - 13.00 | - 4.55 | - 4.73 | - 94.86 | + 18.34 | - 1.52 | - 1.69 | + 174.45 |
| 91 | - 4.98 | + 2.89 | + 4.83 | - 46.12 | + 1.39 | + 5.12 | + 6.56 | + 28.82 |
| 95 | - 1.34 | + 4.50 | + 4.95 | + 55.99 | - 5.33 | + 5.70 | + 6.31 | + 15.00 |
| 1075 | - 7.45 | - 0.64 | - 0.73 | - 60.52 | - 10.45 | + 5.10 | + 5.54 | - 72.79 |
| 1077 | - 0.82 | - 6.32 | - 10.32 | - 35.74 | - 1.12 | + 2.18 | + 3.39 | - 28.13 |
| 97 | - 0.38 | + 11.51 | + 16.44 | - 25.49 | - 8.96 | + 40.37 | + 48.55 | + 30.64 |
| 1079 | + 11.40 | + 8.26 | + 11.43 | + 80.93 | - 0.95 | + 6.90 | + 8.70 | - 5.83 |
| 104 | - 4.98 | - 2.39 | - 2.76 | - 15.66 | - 4.93 | - 7.65 | - 8.18 | - 35.33 |
| 1080 | - 0.13 | + 3.53 | + 4.42 | + 6.97 | + 2.38 | + 6.48 | + 7.45 | + 67.49 |
| 1081 | - 4.86 | + 2.96 | + 3.12 | - 16.01 | + 23.34 | - 4.77 | - 5.20 | + 118.07 |
| 1082 | + 1.50 | + 0.31 | + 0.22 | + 17.17 | + 2.49 | - 3.77 | - 4.47 | - 3.11 |
| 1083 | - 8.14 | + 29.85 | + 37.13 | - 35.95 | + 13.32 | - 3.21 | - 2.61 | + 101.76 |
| 1084 | - 0.83 | - 2.17 | - 3.10 | - 17.82 | - 5.05 | - 2.36 | - 3.07 | - 172.71 |
| 107 | + 1.59 | - 12.94 | - 15.49 | + 9.38 | - 4.44 | - 17.90 | - 19.87 | - 28.97 |
| 1085 | - 1.81 | + 8.49 | + 8.95 | + 8.17 | + 17.10 | - 0.91 | - 1.00 | + 136.66 |
| 1086 | - 0.74 | + 0.37 | + 0.62 | - 26.39 | + 6.04 | - 1.97 | - 2.95 | + 195.15 |
| 110 | - 4.91 | + 0.75 | + 0.83 | - 23.99 | - 2.97 | + 3.21 | + 3.56 | + 26.06 |
| 109 | + 4.38 | - 4.87 | - 5.74 | + 22.88 | + 4.41 | - 8.19 | - 9.40 | + 29.74 |
| 1087 | + 7.27 | + 9.56 | + 10.85 | + 57.96 | - 6.14 | + 3.91 | + 4.91 | - 71.88 |
| 112 | + 0.31 | - 3.63 | - 3.81 | + 0.03 | + 11.93 | - 1.70 | - 1.88 | + 55.26 |
| 1088 | - 1.61 | + 6.03 | + 11.25 | - 20.53 | + 1.93 | - 1.03 | - 0.81 | + 35.15 |
| 114 | - 16.83 | + 6.86 | + 10.14 | - 52.28 | + 23.01 | + 15.01 | + 19.02 | + 111.27 |
| 118 | - 0.97 | - 0.43 | - 0.61 | - 85.21 | - 0.33 | - 0.85 | - 1.36 | - 192.50 |
| 1089 | - 7.49 | - 21.78 | - 30.41 | - 33.72 | + 12.66 | - 21.10 | - 30.87 | + 110.94 |
| 1095 | + 6.94 | - 3.20 | - 3.55 | + 3.49 | - 3.35 | - 1.98 | - 2.15 | - 64.11 |
| 1092 | - 8.06 | + 0.22 | + 0.20 | - 70.55 | - 9.70 | + 5.51 | + 8.11 | + 38.53 |
| 1093 | + 2.96 | - 13.63 | - 14.69 | + 6.46 | - 4.76 | - 1.23 | - 1.33 | - 25.26 |
| 119 | + 11.89 | - 1.49 | - 1.66 | + 64.69 | + 4.14 | + 0.05 | + 0.05 | + 42.34 |
| 120 | - 2.71 | - 0.03 | - 0.38 | - 15.26 | + 3.68 | - 6.41 | - 7.49 | + 47.82 |
| 1096 | - 1.76 | + 0.03 | + 0.05 | - 43.65 | + 2.56 | - 2.58 | - 4.26 | + 53.71 |
| 124 | + 5.66 | - 13.52 | - 16.31 | + 22.79 | + 4.62 | - 5.10 | - 7.36 | + 65.89 |
| 1097 | - 7.46 | - 11.10 | - 12.89 | - 90.04 | + 3.53 | + 6.22 | + 6.92 | + 86.70 |
| 128 | - 7.02 | + 0.44 | + 0.71 | - 106.49 | - 1.11 | - 2.36 | - 2.79 | - 88.58 |
| 1098 | - 2.50 | + 5.94 | + 14.05 | - 52.75 | - 1.05 | + 5.70 | + 12.85 | - 6.28 |
| 1101 | - 25.74 | - 8.05 | - 8.49 | - 86.45 | - 3.22 | - 1.45 | - 1.71 | - 13.52 |
| 1102 | - 1.11 | + 0.73 | + 0.81 | + 4.89 | - 7.40 | + 8.11 | + 9.70 | + 17.53 |
| 133 | - 0.62 | + 0.43 | + 0.60 | - 1.09 | + 1.39 | - 0.17 | - 0.26 | + 60.90 |
| 135 | + 5.93 | + 11.22 | + 11.79 | + 19.89 | + 2.41 | - 19.48 | - 21.22 | + 4.55 |
| 137 | - 4.12 | + 0.42 | + 1.09 | - 77.02 | - 1.78 | + 1.61 | + 2.54 | - 37.34 |
| 140 | - 10.43 | - 0.44 | - 0.43 | - 51.72 | + 4.44 | + 6.60 | + 6.87 | + 67.52 |
| 146 | + 0.76 | + 4.86 | + 5.29 | + 47.62 | - 1.55 | + 1.51 | + 1.69 | - 18.15 |
| 143 | + 0.80 | + 1.59 | + 1.59 | + 73.21 | + 27.02 | - 17.52 | - 19.91 | + 205.06 |
| 1107 | + 0.51 | - 1.37 | + 1.23 | - 32.57 | + 0.26 | + 7.25 | + 15.21 | + 93.88 |
| 1106 | - 5.74 | + 3.45 | + 4.23 | - 23.66 | + 2.73 | - 4.41 | - 4.94 | + 14.58 |
| 1105 | - 21.95 | + 8.69 | + 9.58 | - 106.04 | - 8.61 | + 3.77 | + 4.23 | - 64.71 |
| 1109 | + 2.15 | - 1.31 | - 1.66 | + 9.85 | - 8.93 | + 3.20 | + 3.89 | - 90.76 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------------|---|--------|--------|--------|---------|---|---------|---------|--------|---------|
| FK6 No. | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 1071 | - 0.10 | - 7.33 | - 8.31 | + 0.43 | - 0.27 | + 6.96 | - 17.69 | - 19.10 | + 7.90 | + 7.41 |
| 1070 | - 0.21 | + 1.34 | + 1.66 | - 0.21 | - 0.36 | - 1.04 | + 2.62 | + 3.13 | - 0.09 | - 2.01 |
| 88 | - 0.33 | + 0.11 | + 0.13 | - 0.86 | - 0.03 | - 0.10 | + 0.01 | + 0.01 | - 0.53 | + 0.15 |
| 1074 | - 0.29 | + 0.38 | + 0.49 | - 0.95 | - 0.09 | + 0.20 | - 0.29 | - 0.34 | - 0.33 | + 0.53 |
| 87 | + 0.15 | - 0.52 | - 0.54 | - 0.97 | + 1.11 | + 0.30 | - 0.17 | - 0.19 | + 2.10 | - 0.72 |
| 91 | - 0.08 | + 0.30 | + 0.51 | - 0.69 | + 0.25 | - 0.06 | + 0.58 | + 0.74 | + 0.26 | - 0.22 |
| 95 | - 0.94 | + 0.51 | + 0.56 | - 0.07 | - 1.89 | - 0.84 | + 0.65 | + 0.72 | - 0.65 | - 1.12 |
| 1075 | - 0.09 | - 0.08 | - 0.09 | - 0.93 | + 0.74 | - 0.84 | + 0.58 | + 0.63 | - 1.68 | - 0.45 |
| 1077 | + 0.14 | - 0.75 | - 1.22 | - 0.33 | + 0.62 | - 0.07 | + 0.25 | + 0.39 | - 0.48 | + 0.05 |
| 97 | + 0.03 | + 1.18 | + 1.72 | - 0.35 | + 0.22 | - 1.67 | + 4.59 | + 5.51 | - 1.46 | - 2.36 |
| 1079 | + 0.10 | + 0.92 | + 1.27 | + 1.02 | - 0.80 | - 0.13 | + 0.78 | + 0.98 | - 0.22 | - 0.14 |
| 104 | - 0.09 | - 0.25 | - 0.29 | - 0.24 | + 0.07 | + 0.12 | - 0.88 | - 0.94 | - 0.23 | + 0.38 |
| 1080 | - 0.18 | + 0.40 | + 0.50 | - 0.06 | - 0.33 | - 0.45 | + 0.73 | + 0.84 | + 0.72 | - 1.29 |
| 1081 | - 0.19 | + 0.34 | + 0.36 | - 0.38 | - 0.01 | + 0.54 | - 0.55 | - 0.60 | + 1.88 | - 0.60 |
| 1082 | - 0.08 | + 0.04 | + 0.03 | + 0.26 | - 0.35 | + 0.42 | - 0.43 | - 0.51 | + 0.38 | + 0.60 |
| 1083 | - 1.08 | + 3.28 | + 4.08 | - 1.80 | - 1.15 | + 0.80 | - 0.41 | - 0.35 | + 2.15 | + 0.02 |
| 1084 | + 0.04 | - 0.25 | - 0.36 | - 0.24 | + 0.24 | + 0.02 | - 0.27 | - 0.35 | - 2.61 | + 1.08 |
| 107 | + 0.06 | - 1.43 | - 1.71 | + 0.17 | + 0.01 | + 0.13 | - 2.01 | - 2.23 | - 0.11 | + 0.32 |
| 1085 | - 0.57 | + 0.94 | + 0.99 | - 0.46 | - 0.77 | + 0.44 | - 0.11 | - 0.12 | + 1.95 | - 0.47 |
| 1086 | - 0.02 | + 0.04 | + 0.07 | - 0.49 | + 0.25 | + 0.43 | - 0.22 | - 0.33 | + 3.35 | - 0.86 |
| 110 | - 0.42 | + 0.09 | + 0.10 | - 0.81 | - 0.23 | - 0.58 | + 0.37 | + 0.41 | - 0.23 | - 0.88 |
| 109 | + 0.14 | - 0.56 | - 0.66 | + 0.42 | - 0.09 | + 0.28 | - 0.94 | - 1.08 | + 0.64 | + 0.13 |
| 1087 | - 0.27 | + 1.12 | + 1.27 | + 0.70 | - 1.09 | - 0.07 | + 0.42 | + 0.53 | - 1.19 | + 0.47 |
| 112 | + 0.16 | - 0.41 | - 0.43 | + 0.21 | + 0.21 | + 0.16 | - 0.19 | - 0.21 | + 0.69 | - 0.32 |
| 1088 | - 0.17 | + 0.68 | + 1.27 | - 0.66 | - 0.13 | + 0.13 | - 0.12 | - 0.10 | + 0.69 | - 0.09 |
| 114 | - 0.22 | + 0.74 | + 1.10 | - 0.70 | + 0.44 | + 0.20 | + 1.73 | + 2.19 | + 1.22 | - 0.65 |
| 118 | + 0.03 | - 0.05 | - 0.07 | - 1.29 | + 0.84 | + 0.14 | - 0.10 | - 0.16 | - 2.44 | + 1.33 |
| 1089 | + 0.05 | - 2.48 | - 3.46 | - 0.27 | + 0.57 | + 0.25 | - 2.44 | - 3.57 | + 1.51 | - 0.44 |
| 1095 | + 0.95 | - 0.37 | - 0.41 | + 0.98 | + 1.14 | + 0.10 | - 0.23 | - 0.25 | - 0.70 | + 0.58 |
| 1092 | - 0.75 | + 0.03 | + 0.03 | - 2.25 | - 0.17 | - 1.41 | + 0.62 | + 0.91 | - 1.21 | - 2.77 |
| 1093 | + 0.37 | - 1.55 | - 1.67 | + 0.45 | + 0.38 | - 0.06 | - 0.13 | - 0.14 | - 0.35 | + 0.14 |
| 119 | + 0.42 | - 0.17 | - 0.19 | + 1.42 | - 0.37 | + 0.00 | + 0.01 | + 0.01 | + 0.53 | - 0.44 |
| 120 | - 0.15 | + 0.00 | - 0.04 | - 0.31 | - 0.03 | + 0.18 | - 0.71 | - 0.83 | + 0.63 | + 0.00 |
| 1096 | - 0.04 | + 0.00 | + 0.00 | - 0.77 | + 0.50 | + 0.20 | - 0.29 | - 0.48 | + 1.05 | - 0.15 |
| 124 | + 0.44 | - 1.54 | - 1.86 | + 0.76 | + 0.29 | - 0.03 | - 0.60 | - 0.86 | + 0.78 | - 0.50 |
| 1097 | + 0.32 | - 1.24 | - 1.44 | - 0.93 | + 1.40 | - 0.29 | + 0.71 | + 0.79 | + 0.76 | - 0.96 |
| 128 | - 0.14 | + 0.05 | + 0.08 | - 1.94 | + 1.07 | + 0.29 | - 0.27 | - 0.32 | - 0.95 | + 1.09 |
| 1098 | - 0.17 | + 0.67 | + 1.59 | - 1.26 | + 0.21 | - 0.19 | + 0.64 | + 1.44 | - 0.49 | - 0.43 |
| 1101 | - 0.18 | - 0.92 | - 0.97 | - 1.17 | + 1.05 | - 0.13 | - 0.18 | - 0.21 | - 0.27 | - 0.02 |
| 1102 | - 0.19 | + 0.08 | + 0.09 | - 0.11 | - 0.28 | - 1.07 | + 0.92 | + 1.10 | - 0.92 | - 1.49 |
| 133 | - 0.08 | + 0.05 | + 0.07 | - 0.11 | - 0.11 | + 0.03 | - 0.02 | - 0.03 | + 0.84 | - 0.37 |
| 135 | - 0.10 | + 1.23 | + 1.29 | + 0.08 | - 0.37 | + 0.37 | - 2.23 | - 2.43 | + 0.42 | + 0.40 |
| 137 | - 0.05 | + 0.05 | + 0.13 | - 1.25 | + 0.57 | - 0.10 | + 0.19 | + 0.30 | - 0.64 | + 0.10 |
| 140 | - 0.09 | - 0.07 | - 0.07 | - 0.66 | + 0.46 | - 0.54 | + 0.74 | + 0.77 | + 0.26 | - 1.16 |
| 146 | - 0.52 | + 0.57 | + 0.62 | + 0.05 | - 1.10 | - 0.08 | + 0.17 | + 0.19 | - 0.27 | + 0.01 |
| 143 | - 0.81 | + 0.19 | + 0.19 | + 0.27 | - 1.98 | + 2.25 | - 1.98 | - 2.25 | + 4.75 | + 1.05 |
| 1107 | + 0.22 | - 0.15 | + 0.15 | - 0.36 | + 0.57 | - 0.25 | + 0.84 | + 1.76 | + 1.02 | - 1.12 |
| 1106 | - 0.15 | + 0.40 | + 0.49 | - 0.46 | + 0.14 | + 0.15 | - 0.50 | - 0.56 | + 0.33 | + 0.05 |
| 1105 | - 0.92 | + 0.98 | + 1.08 | - 2.47 | + 0.20 | - 0.39 | + 0.41 | + 0.46 | - 1.27 | + 0.11 |
| 1109 | + 0.23 | - 0.15 | - 0.19 | + 0.42 | + 0.20 | - 0.78 | + 0.37 | + 0.45 | - 2.14 | - 0.28 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------|------------|-------|-------|-------|--------------------------------|------|------|-------|---------------------------------------|------|------|------|---------|
| FK6 | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu,\alpha^*}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 1071 | 73.39 | 90.99 | 90.99 | 53.61 | 12.22 | 0.55 | 0.55 | 17.75 | 0.44 | 0.67 | 0.69 | 0.61 | 0.48 |
| 1070 | 80.66 | 91.35 | 91.35 | 60.15 | 8.73 | 0.62 | 0.62 | 14.95 | 0.43 | 0.60 | 0.64 | 0.65 | 0.48 |
| 88 | 87.49 | 91.43 | 91.43 | 61.37 | 10.17 | 0.38 | 0.38 | 28.61 | 0.70 | 0.44 | 0.45 | 1.13 | 0.95 |
| 1074 | 85.08 | 91.33 | 91.33 | 59.50 | 8.52 | 0.77 | 0.77 | 19.31 | 0.53 | 0.68 | 0.75 | 0.96 | 0.61 |
| 87 | 76.37 | 91.22 | 91.22 | 49.82 | 10.22 | 0.37 | 0.37 | 17.06 | 0.38 | 0.40 | 0.41 | 0.57 | 0.41 |
| 91 | 77.21 | 90.91 | 90.91 | 48.22 | 7.03 | 0.75 | 0.75 | 12.34 | 0.28 | 0.79 | 0.94 | 0.46 | 0.29 |
| 95 | 84.11 | 91.27 | 91.27 | 60.14 | 13.22 | 0.40 | 0.40 | 27.60 | 0.72 | 0.41 | 0.42 | 1.10 | 0.89 |
| 1075 | 83.14 | 91.22 | 91.22 | 59.76 | 13.15 | 0.39 | 0.39 | 25.90 | 0.66 | 0.45 | 0.46 | 0.96 | 0.82 |
| 1077 | 86.60 | 91.48 | 91.48 | 56.55 | 7.70 | 0.71 | 0.71 | 20.88 | 0.49 | 0.83 | 1.00 | 0.83 | 0.60 |
| 97 | 80.96 | 91.29 | 91.29 | 49.27 | 8.86 | 0.68 | 0.68 | 17.90 | 0.37 | 0.75 | 0.83 | 0.58 | 0.43 |
| 1079 | 79.53 | 90.94 | 90.94 | 51.45 | 8.26 | 0.68 | 0.68 | 15.26 | 0.33 | 0.82 | 0.95 | 0.48 | 0.39 |
| 104 | 67.03 | 91.14 | 91.14 | 48.12 | 10.32 | 0.59 | 0.59 | 13.78 | 0.33 | 0.64 | 0.66 | 0.46 | 0.32 |
| 1080 | 81.62 | 90.98 | 90.98 | 63.81 | 11.49 | 0.92 | 0.92 | 19.48 | 0.68 | 1.71 | 2.53 | 1.14 | 0.72 |
| 1081 | 73.53 | 91.13 | 91.13 | 56.22 | 11.51 | 0.69 | 0.69 | 16.18 | 0.44 | 0.80 | 0.84 | 0.61 | 0.46 |
| 1082 | 82.89 | 91.21 | 91.21 | 66.69 | 9.16 | 0.64 | 0.64 | 15.70 | 0.57 | 0.56 | 0.59 | 0.92 | 0.64 |
| 1083 | 81.80 | 90.91 | 90.91 | 60.92 | 8.62 | 0.65 | 0.65 | 15.48 | 0.45 | 0.71 | 0.77 | 0.72 | 0.52 |
| 1084 | 85.45 | 91.60 | 91.60 | 58.80 | 10.36 | 0.75 | 0.75 | 24.33 | 0.64 | 1.02 | 1.18 | 1.13 | 0.74 |
| 107 | 65.38 | 90.92 | 90.92 | 42.48 | 9.26 | 0.72 | 0.72 | 12.72 | 0.27 | 0.81 | 0.87 | 0.40 | 0.26 |
| 1085 | 75.24 | 90.95 | 90.95 | 50.69 | 13.08 | 0.48 | 0.48 | 20.82 | 0.48 | 0.53 | 0.54 | 0.71 | 0.52 |
| 1086 | 89.16 | 91.30 | 91.30 | 61.44 | 7.34 | 0.47 | 0.47 | 27.70 | 0.66 | 0.54 | 0.58 | 1.20 | 0.93 |
| 110 | 85.12 | 91.32 | 91.32 | 62.06 | 13.74 | 0.41 | 0.41 | 29.98 | 0.83 | 0.42 | 0.43 | 1.32 | 1.02 |
| 109 | 77.87 | 91.25 | 91.25 | 53.35 | 9.36 | 0.65 | 0.65 | 15.75 | 0.36 | 0.64 | 0.68 | 0.51 | 0.42 |
| 1087 | 79.36 | 91.41 | 91.41 | 62.34 | 12.58 | 0.69 | 0.69 | 19.61 | 0.66 | 0.81 | 0.85 | 1.05 | 0.67 |
| 112 | 70.88 | 91.15 | 91.15 | 52.19 | 12.35 | 0.51 | 0.51 | 17.11 | 0.41 | 0.50 | 0.51 | 0.54 | 0.44 |
| 1088 | 86.76 | 91.16 | 91.16 | 63.17 | 6.01 | 0.77 | 0.77 | 15.09 | 0.44 | 0.73 | 0.94 | 0.76 | 0.54 |
| 114 | 68.12 | 90.99 | 90.99 | 50.72 | 9.65 | 0.82 | 0.82 | 12.77 | 0.31 | 0.97 | 1.09 | 0.40 | 0.32 |
| 118 | 89.78 | 91.55 | 91.55 | 56.68 | 5.92 | 0.45 | 0.45 | 28.23 | 0.57 | 0.43 | 0.46 | 1.10 | 0.81 |
| 1089 | 76.10 | 91.17 | 91.17 | 53.76 | 8.82 | 0.77 | 0.77 | 13.88 | 0.32 | 0.81 | 0.92 | 0.45 | 0.37 |
| 1095 | 83.65 | 91.32 | 91.32 | 60.15 | 14.40 | 0.43 | 0.43 | 29.13 | 0.76 | 0.43 | 0.44 | 1.17 | 0.93 |
| 1092 | 88.73 | 91.24 | 91.24 | 66.81 | 8.79 | 0.38 | 0.38 | 27.40 | 0.80 | 0.41 | 0.42 | 1.43 | 1.12 |
| 1093 | 71.60 | 91.19 | 91.19 | 54.66 | 12.19 | 0.66 | 0.66 | 16.63 | 0.47 | 0.75 | 0.77 | 0.66 | 0.46 |
| 119 | 80.84 | 91.26 | 91.26 | 60.22 | 14.68 | 0.44 | 0.44 | 25.35 | 0.67 | 0.50 | 0.51 | 0.95 | 0.82 |
| 120 | 79.38 | 91.26 | 91.26 | 46.97 | 7.62 | 0.54 | 0.54 | 14.71 | 0.29 | 0.43 | 0.46 | 0.45 | 0.33 |
| 1096 | 88.50 | 91.07 | 91.07 | 62.14 | 5.90 | 0.40 | 0.40 | 19.31 | 0.48 | 0.44 | 0.47 | 0.81 | 0.67 |
| 124 | 78.72 | 91.24 | 91.24 | 56.53 | 8.98 | 0.62 | 0.62 | 14.95 | 0.38 | 0.65 | 0.70 | 0.55 | 0.43 |
| 1097 | 81.89 | 91.10 | 91.10 | 56.03 | 9.33 | 0.62 | 0.62 | 18.11 | 0.45 | 0.64 | 0.68 | 0.71 | 0.52 |
| 128 | 86.46 | 91.18 | 91.18 | 61.54 | 10.91 | 0.49 | 0.49 | 27.17 | 0.72 | 0.60 | 0.62 | 1.20 | 0.92 |
| 1098 | 88.38 | 91.26 | 91.26 | 62.92 | 4.96 | 0.69 | 0.69 | 15.59 | 0.42 | 0.65 | 0.86 | 0.70 | 0.55 |
| 1101 | 71.62 | 91.26 | 91.26 | 56.89 | 11.59 | 0.62 | 0.62 | 15.33 | 0.45 | 0.71 | 0.74 | 0.62 | 0.45 |
| 1102 | 85.84 | 91.14 | 91.14 | 56.63 | 9.59 | 0.42 | 0.42 | 24.26 | 0.57 | 0.44 | 0.45 | 0.97 | 0.70 |
| 133 | 87.87 | 91.46 | 91.46 | 58.81 | 7.60 | 0.38 | 0.38 | 23.49 | 0.55 | 0.42 | 0.44 | 0.96 | 0.72 |
| 135 | 67.39 | 91.11 | 91.11 | 49.78 | 11.68 | 0.73 | 0.73 | 15.40 | 0.38 | 0.93 | 0.98 | 0.52 | 0.37 |
| 137 | 85.41 | 91.32 | 91.32 | 55.04 | 7.79 | 0.63 | 0.63 | 19.37 | 0.45 | 0.68 | 0.78 | 0.80 | 0.53 |
| 140 | 73.14 | 91.01 | 91.01 | 49.69 | 13.10 | 0.36 | 0.36 | 19.85 | 0.45 | 0.44 | 0.45 | 0.65 | 0.48 |
| 146 | 82.06 | 91.44 | 91.44 | 50.62 | 11.98 | 0.46 | 0.46 | 25.18 | 0.50 | 0.46 | 0.47 | 0.76 | 0.62 |
| 143 | 84.48 | 91.31 | 91.31 | 59.78 | 12.15 | 0.41 | 0.41 | 26.19 | 0.65 | 0.46 | 0.47 | 0.97 | 0.83 |
| 1107 | 87.34 | 91.22 | 91.22 | 59.60 | 6.86 | 0.68 | 0.68 | 19.54 | 0.52 | 0.75 | 0.99 | 1.01 | 0.62 |
| 1106 | 75.88 | 91.23 | 91.23 | 58.17 | 11.37 | 0.82 | 0.82 | 16.69 | 0.48 | 0.98 | 1.06 | 0.68 | 0.51 |
| 1105 | 78.71 | 91.18 | 91.18 | 59.49 | 11.38 | 0.54 | 0.54 | 18.12 | 0.53 | 0.57 | 0.58 | 0.80 | 0.57 |
| 1109 | 86.35 | 91.20 | 91.20 | 63.56 | 12.62 | 0.47 | 0.47 | 30.01 | 0.87 | 0.56 | 0.57 | 1.47 | 1.09 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 1071 | 74.48 | 91.26 | 91.26 | 45.72 | 13.40 | 0.57 | 0.57 | 22.07 | 0.46 | 0.62 | 0.64 | 0.72 | 0.48 |
| 1070 | 83.45 | 91.49 | 91.49 | 50.63 | 9.65 | 0.47 | 0.47 | 22.00 | 0.46 | 0.60 | 0.64 | 0.77 | 0.54 |
| 88 | 87.62 | 91.20 | 91.20 | 50.73 | 10.38 | 0.45 | 0.45 | 34.70 | 0.66 | 0.49 | 0.51 | 1.12 | 0.86 |
| 1074 | 85.87 | 91.19 | 91.19 | 49.12 | 8.86 | 0.62 | 0.62 | 24.82 | 0.50 | 0.65 | 0.71 | 0.93 | 0.59 |
| 87 | 75.79 | 91.21 | 91.21 | 35.83 | 10.85 | 0.42 | 0.42 | 20.54 | 0.34 | 0.50 | 0.51 | 0.57 | 0.37 |
| 91 | 79.48 | 91.19 | 91.19 | 36.03 | 7.57 | 0.53 | 0.53 | 16.41 | 0.28 | 0.60 | 0.66 | 0.54 | 0.30 |
| 95 | 84.15 | 91.33 | 91.33 | 47.53 | 13.78 | 0.50 | 0.50 | 34.19 | 0.65 | 0.49 | 0.50 | 1.11 | 0.78 |
| 1075 | 83.27 | 91.21 | 91.21 | 43.98 | 13.91 | 0.44 | 0.44 | 33.87 | 0.60 | 0.48 | 0.49 | 0.99 | 0.72 |
| 1077 | 87.34 | 91.26 | 91.26 | 46.07 | 7.91 | 0.65 | 0.65 | 26.89 | 0.49 | 0.76 | 0.89 | 0.91 | 0.60 |
| 97 | 83.26 | 91.18 | 91.18 | 42.72 | 9.32 | 0.56 | 0.56 | 22.98 | 0.41 | 0.60 | 0.64 | 0.71 | 0.47 |
| 1079 | 79.16 | 91.23 | 91.23 | 41.46 | 8.54 | 0.53 | 0.53 | 17.33 | 0.32 | 0.58 | 0.63 | 0.55 | 0.35 |
| 104 | 68.20 | 91.25 | 91.25 | 36.59 | 11.85 | 0.52 | 0.52 | 18.25 | 0.34 | 0.61 | 0.63 | 0.54 | 0.33 |
| 1080 | 83.69 | 91.06 | 91.06 | 60.69 | 12.33 | 0.66 | 0.66 | 24.82 | 0.72 | 1.02 | 1.35 | 1.26 | 0.82 |
| 1081 | 74.98 | 91.21 | 91.21 | 50.33 | 12.70 | 0.59 | 0.59 | 20.14 | 0.45 | 0.68 | 0.70 | 0.67 | 0.49 |
| 1082 | 84.70 | 91.22 | 91.22 | 61.52 | 9.95 | 0.52 | 0.52 | 21.22 | 0.59 | 0.57 | 0.60 | 0.96 | 0.71 |
| 1083 | 83.64 | 91.34 | 91.34 | 52.52 | 9.29 | 0.46 | 0.46 | 20.96 | 0.45 | 0.56 | 0.59 | 0.73 | 0.54 |
| 1084 | 86.36 | 91.37 | 91.37 | 50.72 | 10.72 | 0.59 | 0.59 | 30.77 | 0.66 | 0.89 | 0.99 | 1.31 | 0.76 |
| 107 | 63.91 | 91.13 | 91.13 | 26.60 | 10.26 | 0.57 | 0.57 | 15.77 | 0.25 | 0.62 | 0.65 | 0.40 | 0.24 |
| 1085 | 76.74 | 91.10 | 91.10 | 41.90 | 14.12 | 0.46 | 0.46 | 26.05 | 0.49 | 0.54 | 0.55 | 0.80 | 0.53 |
| 1086 | 89.42 | 91.09 | 91.09 | 51.80 | 7.43 | 0.42 | 0.42 | 34.71 | 0.64 | 0.50 | 0.53 | 1.22 | 0.88 |
| 110 | 84.18 | 91.28 | 91.28 | 47.82 | 14.15 | 0.45 | 0.45 | 35.05 | 0.68 | 0.52 | 0.53 | 1.18 | 0.81 |
| 109 | 78.72 | 91.26 | 91.26 | 43.87 | 9.97 | 0.57 | 0.57 | 19.39 | 0.37 | 0.60 | 0.63 | 0.60 | 0.41 |
| 1087 | 80.59 | 91.15 | 91.15 | 54.00 | 13.85 | 0.54 | 0.54 | 25.89 | 0.65 | 0.85 | 0.90 | 1.14 | 0.70 |
| 112 | 69.17 | 91.07 | 91.07 | 42.69 | 13.19 | 0.49 | 0.49 | 19.56 | 0.39 | 0.61 | 0.62 | 0.57 | 0.40 |
| 1088 | 87.69 | 91.05 | 91.05 | 54.19 | 6.22 | 0.63 | 0.63 | 20.23 | 0.44 | 0.63 | 0.76 | 0.80 | 0.55 |
| 114 | 66.14 | 91.30 | 91.30 | 37.38 | 10.74 | 0.68 | 0.68 | 15.74 | 0.30 | 1.04 | 1.18 | 0.45 | 0.29 |
| 118 | 89.98 | 91.46 | 91.46 | 45.98 | 5.96 | 0.47 | 0.47 | 35.01 | 0.57 | 0.46 | 0.50 | 1.22 | 0.77 |
| 1089 | 76.27 | 91.33 | 91.33 | 41.09 | 9.57 | 0.70 | 0.70 | 17.50 | 0.32 | 0.88 | 1.02 | 0.52 | 0.35 |
| 1095 | 82.37 | 91.40 | 91.40 | 46.06 | 14.84 | 0.47 | 0.47 | 33.47 | 0.64 | 0.55 | 0.56 | 1.10 | 0.74 |
| 1092 | 89.32 | 91.05 | 91.05 | 59.42 | 9.01 | 0.52 | 0.52 | 36.88 | 0.80 | 0.58 | 0.61 | 1.39 | 1.17 |
| 1093 | 71.14 | 91.26 | 91.26 | 45.97 | 13.35 | 0.50 | 0.50 | 20.04 | 0.45 | 0.66 | 0.68 | 0.70 | 0.44 |
| 119 | 81.81 | 91.25 | 91.25 | 52.07 | 15.69 | 0.45 | 0.45 | 31.97 | 0.67 | 0.51 | 0.52 | 1.01 | 0.82 |
| 120 | 78.84 | 90.99 | 90.99 | 24.00 | 8.04 | 0.47 | 0.47 | 18.73 | 0.25 | 0.53 | 0.57 | 0.44 | 0.28 |
| 1096 | 88.82 | 91.14 | 91.14 | 54.20 | 6.00 | 0.50 | 0.50 | 23.55 | 0.47 | 0.56 | 0.64 | 0.82 | 0.64 |
| 124 | 81.33 | 91.19 | 91.19 | 45.38 | 9.94 | 0.58 | 0.58 | 21.39 | 0.40 | 0.71 | 0.78 | 0.65 | 0.47 |
| 1097 | 82.13 | 91.30 | 91.30 | 44.70 | 9.75 | 0.44 | 0.44 | 22.03 | 0.41 | 0.55 | 0.58 | 0.71 | 0.47 |
| 128 | 86.72 | 91.27 | 91.27 | 51.97 | 11.20 | 0.46 | 0.46 | 32.96 | 0.68 | 0.57 | 0.59 | 1.19 | 0.84 |
| 1098 | 89.07 | 91.14 | 91.14 | 56.72 | 5.06 | 0.56 | 0.56 | 20.34 | 0.45 | 0.62 | 0.80 | 0.82 | 0.59 |
| 1101 | 71.14 | 91.45 | 91.45 | 44.87 | 13.32 | 0.48 | 0.48 | 20.22 | 0.43 | 0.77 | 0.80 | 0.64 | 0.43 |
| 1102 | 86.65 | 91.18 | 91.18 | 46.35 | 9.89 | 0.47 | 0.47 | 30.91 | 0.57 | 0.51 | 0.53 | 1.05 | 0.69 |
| 133 | 88.49 | 91.37 | 91.37 | 47.02 | 7.78 | 0.45 | 0.45 | 31.08 | 0.55 | 0.49 | 0.52 | 1.01 | 0.70 |
| 135 | 68.40 | 91.34 | 91.34 | 41.82 | 13.14 | 0.58 | 0.58 | 19.32 | 0.40 | 0.88 | 0.92 | 0.60 | 0.39 |
| 137 | 87.16 | 91.55 | 91.55 | 48.46 | 8.08 | 0.52 | 0.52 | 25.94 | 0.50 | 0.70 | 0.81 | 0.91 | 0.60 |
| 140 | 76.26 | 91.03 | 91.03 | 44.83 | 14.35 | 0.40 | 0.40 | 25.25 | 0.50 | 0.46 | 0.47 | 0.81 | 0.55 |
| 146 | 81.99 | 91.29 | 91.29 | 35.70 | 12.44 | 0.48 | 0.48 | 30.46 | 0.47 | 0.54 | 0.56 | 0.79 | 0.55 |
| 143 | 85.03 | 91.14 | 91.14 | 47.14 | 12.71 | 0.46 | 0.46 | 33.86 | 0.61 | 0.58 | 0.60 | 0.99 | 0.77 |
| 1107 | 88.37 | 91.35 | 91.35 | 51.58 | 7.04 | 0.57 | 0.57 | 25.95 | 0.54 | 0.88 | 1.24 | 1.04 | 0.65 |
| 1106 | 76.62 | 91.12 | 91.12 | 49.26 | 12.54 | 0.52 | 0.52 | 21.26 | 0.47 | 0.80 | 0.84 | 0.72 | 0.51 |
| 1105 | 80.67 | 91.05 | 91.05 | 52.43 | 12.48 | 0.47 | 0.47 | 23.92 | 0.55 | 0.60 | 0.62 | 0.89 | 0.62 |
| 1109 | 87.07 | 91.32 | 91.32 | 52.46 | 13.13 | 0.49 | 0.49 | 40.00 | 0.82 | 0.57 | 0.59 | 1.48 | 1.03 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|------------|-----------|--------|--------|-----------------------|------|------|---------------------------------|-------------------------------|--|--------------------------------------|
| FK6 No. | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ [mas] | $\Delta\delta_{sys}$ [mas] | $\Delta\mu_{\alpha^*,sys}$ [mas/yr] | $\Delta\mu_{\delta,sys}$ [mas/yr] |
| | SI | STP | HIP | SI | STP | HIP | | | | |
| 1071 | 33.50 | 38.48 | 38.73 | 0.84 | 0.87 | 0.87 | - 50.80 | - 43.92 | + 1.99 | + 0.04 |
| 1070 | 6.70 | 8.06 | 8.33 | 0.79 | 0.83 | 0.84 | - 40.53 | + 13.45 | + 0.20 | - 0.81 |
| 88 | 8.56 | 8.57 | 8.58 | 0.65 | 0.66 | 0.66 | - 75.05 | - 30.31 | + 3.47 | - 1.32 |
| 1074 | 6.44 | 6.34 | 6.31 | 0.86 | 0.87 | 0.87 | - 59.39 | - 42.95 | + 1.87 | - 0.22 |
| 87 | 12.77 | 12.73 | 12.73 | 0.54 | 0.54 | 0.54 | + 26.18 | + 5.96 | - 0.93 | - 0.95 |
| 91 | 5.09 | 5.07 | 5.04 | 0.81 | 0.83 | 0.83 | - 48.32 | - 30.51 | + 0.86 | - 0.99 |
| 95 | 21.29 | 21.27 | 21.27 | 0.50 | 0.50 | 0.50 | - 21.66 | + 62.92 | - 0.62 | - 1.09 |
| 1075 | 22.52 | 22.43 | 22.42 | 0.57 | 0.57 | 0.57 | - 76.14 | - 11.20 | + 3.50 | - 1.95 |
| 1077 | 5.03 | 4.83 | 4.71 | 0.86 | 0.88 | 0.89 | - 42.75 | + 30.21 | + 0.76 | - 0.45 |
| 97 | 7.82 | 7.54 | 7.40 | 0.82 | 0.84 | 0.85 | - 47.30 | - 43.69 | + 2.08 | - 0.03 |
| 1079 | 7.17 | 6.91 | 6.80 | 0.81 | 0.87 | 0.89 | - 15.38 | - 8.47 | - 0.45 | - 1.41 |
| 104 | 24.50 | 24.49 | 24.49 | 0.71 | 0.72 | 0.72 | - 51.07 | - 41.66 | + 1.65 | - 0.22 |
| 1080 | 17.40 | 17.29 | 17.28 | 0.91 | 0.92 | 0.93 | - 48.54 | - 29.64 | + 1.13 | - 0.57 |
| 1081 | 31.50 | 31.42 | 31.41 | 0.82 | 0.84 | 0.84 | - 18.12 | - 0.13 | - 1.08 | - 1.44 |
| 1082 | 9.40 | 9.32 | 9.31 | 0.77 | 0.78 | 0.78 | - 26.27 | + 17.34 | + 0.04 | - 0.80 |
| 1083 | 8.91 | 7.90 | 7.69 | 0.74 | 0.76 | 0.76 | - 16.54 | - 32.93 | + 0.96 | - 1.48 |
| 1084 | 9.47 | 9.58 | 9.62 | 1.02 | 1.06 | 1.07 | - 46.19 | - 32.97 | + 1.70 | + 0.08 |
| 107 | 14.10 | 14.74 | 14.82 | 0.81 | 0.83 | 0.83 | - 37.64 | - 34.33 | + 0.50 | - 1.36 |
| 1085 | 37.68 | 37.84 | 37.85 | 0.67 | 0.69 | 0.69 | - 42.27 | - 29.18 | + 2.70 | - 0.01 |
| 1086 | 3.89 | 3.94 | 3.97 | 0.55 | 0.56 | 0.56 | - 48.21 | + 29.60 | + 4.55 | - 2.90 |
| 110 | 23.66 | 23.67 | 23.67 | 0.48 | 0.48 | 0.48 | - 47.73 | + 73.06 | + 0.62 | - 2.07 |
| 109 | 10.17 | 10.04 | 10.03 | 0.82 | 0.83 | 0.83 | - 29.10 | + 20.90 | - 0.08 | - 0.71 |
| 1087 | 32.10 | 31.81 | 31.76 | 0.88 | 0.90 | 0.91 | - 40.58 | - 39.69 | + 1.86 | - 0.07 |
| 112 | 94.93 | 94.93 | 94.93 | 0.67 | 0.67 | 0.67 | - 43.80 | + 38.80 | + 0.09 | - 0.10 |
| 1088 | 3.26 | 3.08 | 2.89 | 0.99 | 1.02 | 1.05 | + 1.79 | + 9.90 | - 0.81 | - 1.07 |
| 114 | 18.15 | 19.21 | 19.44 | 1.03 | 1.20 | 1.23 | - 12.60 | + 2.05 | - 1.16 | - 1.44 |
| 118 | 2.45 | 2.47 | 2.48 | 0.55 | 0.56 | 0.56 | - 69.65 | + 62.72 | + 1.44 | - 2.47 |
| 1089 | 11.06 | 10.06 | 9.59 | 0.98 | 1.04 | 1.06 | - 6.55 | + 2.18 | - 1.22 | - 1.43 |
| 1095 | 33.98 | 34.02 | 34.02 | 0.51 | 0.51 | 0.51 | + 103.93 | + 50.27 | - 5.46 | - 0.65 |
| 1092 | 5.96 | 6.02 | 6.04 | 0.82 | 0.82 | 0.82 | - 54.71 | - 25.55 | + 3.90 | - 0.96 |
| 1093 | 109.18 | 109.18 | 109.18 | 0.75 | 0.78 | 0.78 | - 30.79 | - 31.63 | + 0.19 | - 1.32 |
| 119 | 165.00 | 165.02 | 165.02 | 0.55 | 0.55 | 0.55 | - 50.70 | + 12.84 | + 3.70 | - 2.45 |
| 120 | 5.32 | 5.49 | 5.51 | 0.65 | 0.66 | 0.66 | - 34.33 | + 40.69 | - 0.05 | - 0.05 |
| 1096 | 2.48 | 2.56 | 2.61 | 0.71 | 0.72 | 0.73 | + 14.99 | + 58.28 | - 1.33 | - 1.06 |
| 124 | 9.31 | 9.27 | 9.23 | 0.82 | 0.83 | 0.83 | - 26.79 | + 42.49 | + 0.24 | - 0.07 |
| 1097 | 8.55 | 8.57 | 8.57 | 0.73 | 0.73 | 0.73 | - 41.43 | - 30.24 | + 0.67 | - 0.51 |
| 128 | 10.63 | 10.63 | 10.63 | 0.54 | 0.54 | 0.54 | - 74.54 | + 41.37 | + 4.95 | - 3.13 |
| 1098 | 2.33 | 2.18 | 1.99 | 0.81 | 0.81 | 0.82 | - 7.31 | + 20.64 | - 0.20 | - 0.73 |
| 1101 | 72.91 | 72.89 | 72.89 | 0.77 | 0.78 | 0.78 | - 27.21 | - 26.50 | - 0.06 | - 1.06 |
| 1102 | 7.92 | 7.83 | 7.81 | 0.73 | 0.74 | 0.74 | - 47.81 | - 25.71 | + 3.83 | - 0.53 |
| 133 | 4.43 | 4.45 | 4.45 | 0.62 | 0.62 | 0.62 | - 59.39 | - 24.88 | + 3.55 | - 1.10 |
| 135 | 110.90 | 110.61 | 110.58 | 0.86 | 0.88 | 0.88 | - 39.60 | - 40.41 | + 0.97 | - 0.29 |
| 137 | 4.95 | 4.98 | 4.99 | 0.73 | 0.74 | 0.74 | - 29.06 | - 26.17 | + 0.01 | - 0.90 |
| 140 | 55.91 | 55.80 | 55.79 | 0.69 | 0.69 | 0.69 | - 41.48 | - 26.61 | + 2.23 | - 0.05 |
| 146 | 15.25 | 15.23 | 15.23 | 0.53 | 0.53 | 0.53 | + 49.89 | + 50.19 | - 3.69 | - 0.71 |
| 143 | 15.30 | 15.51 | 15.54 | 0.58 | 0.58 | 0.58 | - 73.01 | - 19.96 | + 2.86 | - 1.67 |
| 1107 | 2.33 | 2.29 | 2.31 | 0.82 | 0.83 | 0.83 | - 43.67 | - 36.45 | + 0.53 | - 0.46 |
| 1106 | 23.97 | 24.12 | 24.14 | 0.88 | 0.90 | 0.90 | - 0.40 | - 0.23 | - 1.26 | - 1.36 |
| 1105 | 19.17 | 19.14 | 19.14 | 0.68 | 0.69 | 0.69 | + 39.38 | + 38.60 | - 0.08 | - 0.56 |
| 1109 | 16.20 | 16.20 | 16.20 | 0.52 | 0.52 | 0.52 | - 80.55 | + 59.50 | + 2.38 | - 2.56 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|------------|---------------------------------------|-------------------------------------|--|--|-----------|----------|----------|--------------|----------|----------------------|
| FK6 No. | $\varepsilon_{\alpha^*,sys}$ [mas] | $\varepsilon_{\delta,sys}$ [mas] | $\varepsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\varepsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 1071 | 7.77 | 6.76 | 0.27 | 0.20 | | 28.32 | 33.05 | 31.23 | 1.06 | 62 |
| 1070 | 8.27 | 6.56 | 0.27 | 0.21 | 1 | 3.62 | 6.34 | 5.48 | 2.06 | |
| 88 | 8.44 | 6.95 | 0.27 | 0.21 | 1 | 0.94 | 0.20 | 2.08 | 0.74 | |
| 1074 | 6.92 | 6.32 | 0.26 | 0.17 | 1 | 1.20 | 1.25 | 1.32 | 1.09 | 63 |
| 87 | 12.58 | 10.78 | 0.42 | 0.30 | 1 | 3.01 | 2.90 | 2.15 | 5.07 | |
| 91 | 6.47 | 6.25 | 0.25 | 0.17 | 1 | 1.21 | 1.33 | 0.95 | 1.89 | 64 |
| 95 | 10.94 | 8.94 | 0.39 | 0.29 | 1 | 1.23 | 3.11 | 0.86 | 1.33 | |
| 1075 | 8.83 | 7.55 | 0.28 | 0.22 | 1 | 2.25 | 1.50 | 0.96 | 1.66 | |
| 1077 | 9.96 | 6.81 | 0.27 | 0.20 | 1 | 0.96 | 1.61 | 1.62 | 1.05 | 65 |
| 97 | 7.98 | 6.52 | 0.26 | 0.19 | | 7.39 | 9.90 | 9.19 | 1.32 | 66 |
| 1079 | 7.93 | 6.47 | 0.24 | 0.20 | 1 | 1.44 | 2.26 | 1.65 | 2.94 | 67 |
| 104 | 7.00 | 6.26 | 0.25 | 0.17 | 1 | 0.88 | 1.86 | 2.00 | 1.11 | |
| 1080 | 6.62 | 6.02 | 0.25 | 0.17 | 1 | 0.28 | 2.05 | 0.66 | 1.35 | 68 |
| 1081 | 7.89 | 6.67 | 0.24 | 0.20 | 1 | 2.86 | 0.40 | 0.15 | 3.03 | |
| 1082 | 8.81 | 6.61 | 0.25 | 0.21 | 1 | 0.80 | 1.33 | 1.21 | 0.57 | |
| 1083 | 7.26 | 6.24 | 0.26 | 0.17 | 1 | 6.57 | 5.83 | 6.24 | 2.45 | |
| 1084 | 8.18 | 6.85 | 0.24 | 0.20 | 1 | 1.38 | 1.21 | 1.62 | 2.47 | 69 |
| 107 | 7.00 | 6.00 | 0.26 | 0.18 | 1 | 3.11 | 3.81 | 5.02 | 0.97 | 70 |
| 1085 | 7.95 | 7.16 | 0.25 | 0.21 | 1 | 2.82 | 2.35 | 3.10 | 2.55 | 71 |
| 1086 | 10.13 | 6.99 | 0.26 | 0.21 | 1 | 2.79 | 0.53 | 1.86 | 2.83 | 72 |
| 110 | 11.72 | 8.50 | 0.36 | 0.23 | 1 | 0.82 | 1.38 | 0.52 | 0.57 | |
| 109 | 9.05 | 7.12 | 0.26 | 0.21 | 1 | 2.28 | 1.71 | 0.76 | 1.05 | 73 |
| 1087 | 8.27 | 6.67 | 0.25 | 0.19 | 1 | 1.21 | 2.24 | 1.23 | 1.90 | |
| 112 | 10.33 | 7.49 | 0.29 | 0.23 | 1 | 1.23 | 1.01 | 1.71 | 1.45 | 74 |
| 1088 | 8.69 | 6.90 | 0.26 | 0.19 | 1 | 1.87 | 1.32 | 2.92 | 0.98 | 75 |
| 114 | 8.09 | 6.77 | 0.24 | 0.20 | 1 | 1.55 | 2.45 | 2.82 | 4.15 | 76 |
| 118 | 10.90 | 8.32 | 0.35 | 0.23 | 1 | 1.99 | 1.86 | 0.49 | 3.04 | 77 |
| 1089 | 8.13 | 6.89 | 0.24 | 0.20 | 1 | 4.59 | 4.18 | 3.16 | 3.43 | 78 |
| 1095 | 14.71 | 12.58 | 0.50 | 0.31 | 1 | 1.17 | 1.71 | 2.26 | 0.97 | 79 |
| 1092 | 8.59 | 7.73 | 0.26 | 0.20 | 1 | 2.10 | 2.81 | 1.84 | 1.43 | 80 |
| 1093 | 7.12 | 6.33 | 0.26 | 0.18 | 1 | 2.11 | 2.30 | 2.90 | 0.60 | 81 |
| 119 | 10.22 | 7.81 | 0.27 | 0.21 | 1 | 1.34 | 0.49 | 2.19 | 1.45 | |
| 120 | 10.14 | 7.80 | 0.29 | 0.23 | 1 | 2.29 | 1.39 | 0.43 | 1.31 | 82 |
| 1096 | 12.15 | 10.60 | 0.39 | 0.25 | 1 | 1.69 | 0.71 | 1.44 | 1.67 | 83 |
| 124 | 9.90 | 7.53 | 0.27 | 0.21 | 1 | 3.03 | 2.69 | 3.19 | 1.72 | |
| 1097 | 7.41 | 6.60 | 0.25 | 0.17 | 1 | 0.52 | 4.20 | 2.18 | 3.34 | 84 |
| 128 | 10.37 | 7.88 | 0.29 | 0.23 | 1 | 1.59 | 1.67 | 1.10 | 2.45 | 85 |
| 1098 | 9.02 | 7.10 | 0.26 | 0.20 | 1 | 2.97 | 2.22 | 2.18 | 1.65 | 86 |
| 1101 | 7.04 | 6.88 | 0.24 | 0.17 | 1 | 0.20 | 2.47 | 1.21 | 2.92 | |
| 1102 | 8.78 | 7.44 | 0.27 | 0.20 | 1 | 1.73 | 3.02 | 1.61 | 0.48 | |
| 133 | 8.74 | 8.12 | 0.28 | 0.20 | 1 | 0.78 | 0.46 | 2.13 | 0.98 | 87 |
| 135 | 7.77 | 6.92 | 0.25 | 0.16 | 1 | 3.14 | 3.78 | 4.46 | 0.70 | |
| 137 | 7.02 | 6.93 | 0.24 | 0.17 | 1 | 1.34 | 0.59 | 1.12 | 2.01 | 88 |
| 140 | 8.53 | 7.80 | 0.28 | 0.21 | 1 | 0.92 | 2.81 | 2.27 | 2.01 | |
| 146 | 12.94 | 11.48 | 0.44 | 0.25 | 1 | 0.78 | 2.22 | 0.76 | 1.21 | 89 |
| 143 | 9.57 | 7.59 | 0.28 | 0.19 | 1 | 6.06 | 4.19 | 6.93 | 3.44 | |
| 1107 | 7.47 | 6.95 | 0.25 | 0.16 | 1 | 0.51 | 2.52 | 0.85 | 1.91 | |
| 1106 | 8.28 | 7.20 | 0.25 | 0.18 | 1 | 1.12 | 0.70 | 0.21 | 0.78 | 90 |
| 1105 | 11.50 | 9.36 | 0.36 | 0.23 | 1 | 3.93 | 1.16 | 3.52 | 2.99 | 91 |
| 1109 | 10.42 | 8.85 | 0.35 | 0.22 | 1 | 1.67 | 0.68 | 1.26 | 1.04 | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------|------------|-------------------|-----------------------------|-----------------------------|--|--------------------------------------|
| FK6 No. | HIP No. | Name | α (SI) 2000 h m s | δ (SI) 2000 ° ′ ″ | μ_{α^*} (SI) 2000 [mas/yr] | μ_{δ} (SI) 2000 [mas/yr] |
| 1110 | 18597 | δ Ret | 3 58 44.749 581 | - 61 24 0.665 97 | + 9.92 | - 14.15 |
| 148 | 18614 | ξ Per | 3 58 57.901 414 | + 35 47 27.716 33 | + 2.32 | + 2.19 |
| 1114 | 18729 | 63 G. Hyi | 4 0 43.681 389 | - 71 10 0.472 50 | + 24.86 | + 34.33 |
| 1111 | 18788 | 35 Eri | 4 1 32.049 868 | - 1 32 58.792 90 | + 27.44 | - 15.81 |
| 151 | 18907 | ν Tau | 4 3 9.380 012 | + 5 59 21.487 90 | + 5.43 | - 2.84 |
| 1112 | 19038 | 37 Tau | 4 4 41.715 424 | + 22 4 54.938 55 | + 91.42 | - 57.82 |
| 153 | 19095 | 174 G. Eri | 4 5 37.436 103 | - 27 39 6.510 84 | + 200.73 | + 93.72 |
| 1113 | 19167 | λ Per | 4 6 35.042 818 | + 50 21 4.544 98 | - 13.62 | - 36.11 |
| 1115 | 19388 | 43 Tau | 4 9 9.965 970 | + 19 36 33.182 14 | + 105.65 | - 31.44 |
| 1116 | 19513 | 44 Tau | 4 10 49.860 476 | + 26 28 51.433 61 | - 31.46 | - 35.28 |
| 154 | 19587 | σ^1 Eri | 4 11 51.939 213 | - 6 50 15.290 76 | + 10.26 | + 81.44 |
| 155 | 19747 | α Hor | 4 14 0.114 539 | - 42 17 39.726 19 | + 42.13 | - 203.84 |
| 1118 | 19860 | μ Tau | 4 15 32.057 264 | + 8 53 32.474 72 | + 20.42 | - 22.90 |
| 157 | 19893 | γ Dor | 4 16 1.585 700 | - 51 29 11.934 97 | + 100.64 | + 183.98 |
| 166 | 20049 | δ Men | 4 17 59.269 159 | - 80 12 50.516 34 | + 26.95 | + 61.18 |
| 158 | 20252 | 54 Per | 4 20 24.638 276 | + 34 34 0.219 58 | - 25.08 | - 6.07 |
| 161 | 20264 | 212 G. Eri | 4 20 39.013 012 | - 20 38 22.641 94 | + 25.35 | - 9.75 |
| 163 | 20384 | η Ret | 4 21 53.327 014 | - 63 23 11.008 82 | + 85.44 | + 174.36 |
| 1120 | 20507 | ξ Eri | 4 23 40.851 786 | - 3 44 43.693 29 | - 48.84 | - 56.74 |
| 1121 | 20535 | 43 Eri | 4 24 2.214 879 | - 34 1 0.676 95 | + 70.36 | + 54.10 |
| 1123 | 20884 | Br 615 Tau | 4 28 32.120 746 | + 1 22 50.973 08 | + 19.55 | - 19.98 |
| 164 | 20889 | ε Tau | 4 28 37.000 006 | + 19 10 49.558 74 | + 107.99 | - 36.18 |
| 1122 | 20974 | +69°258 Cam | 4 29 51.937 661 | + 69 22 41.925 05 | + 13.23 | - 35.03 |
| 167 | 21060 | δ Cae | 4 30 50.099 557 | - 44 57 13.505 98 | + 2.25 | - 3.37 |
| 1124 | 21242 | 57 Per | 4 33 24.902 996 | + 43 3 50.011 44 | + 4.96 | + 4.87 |
| 170 | 21393 | ν^2 Eri | 4 35 33.038 632 | - 30 33 44.428 80 | - 48.81 | - 12.69 |
| 1127 | 21743 | 258 G. Eri | 4 40 6.801 342 | - 24 28 56.526 86 | - 70.03 | + 17.58 |
| 1130 | 21861 | β Cae | 4 42 3.480 428 | - 37 8 39.453 33 | + 46.67 | + 194.84 |
| 177 | 21949 | μ Men | 4 43 3.963 328 | - 70 55 51.698 15 | + 9.26 | + 34.81 |
| 1131 | 22024 | 56 Eri | 4 44 5.320 313 | - 8 30 12.862 31 | + 3.89 | + 0.61 |
| 1132 | 22192 | 268 G. Eri | 4 46 25.749 497 | - 28 5 14.804 14 | - 4.48 | + 17.53 |
| 173 | 22361 | Grb 848 Cam | 4 48 50.352 653 | + 75 56 28.385 46 | + 37.27 | - 133.87 |
| 1134 | 22449 | π^3 Ori | 4 49 50.411 349 | + 6 57 40.596 10 | + 464.68 | + 12.02 |
| 1133 | 22453 | Br 658 Per | 4 49 54.638 584 | + 37 29 17.796 22 | - 38.05 | + 39.25 |
| 1135 | 22565 | 97 Tau | 4 51 22.462 959 | + 18 50 23.493 54 | + 80.51 | - 33.50 |
| 1138 | 22871 | η Men | 4 55 11.201 839 | - 74 56 12.672 11 | + 27.68 | + 61.28 |
| 181 | 23015 | ι Aur | 4 56 59.618 904 | + 33 9 57.931 46 | + 3.82 | - 17.83 |
| 917 | 23148 | ξ Men | 4 58 50.964 052 | - 82 28 13.847 00 | - 5.20 | + 3.91 |
| 1139 | 23446 | 26 G. Cae | 5 2 22.804 827 | - 31 46 16.800 44 | - 6.27 | + 85.05 |
| 184 | 23497 | ι Tau | 5 3 5.746 446 | + 21 35 23.864 85 | + 67.53 | - 40.82 |
| 182 | 23522 | β Cam | 5 3 25.089 921 | + 60 26 32.082 87 | - 6.22 | - 14.89 |
| 1140 | 23607 | 11 Ori | 5 4 34.148 755 | + 15 24 14.768 87 | + 17.18 | - 32.08 |
| 187 | 23649 | η^2 Pic | 5 4 58.013 907 | - 49 34 40.211 86 | + 68.22 | - 2.67 |
| 186 | 23685 | ε Lep | 5 5 27.666 999 | - 22 22 15.728 67 | + 23.57 | - 73.58 |
| 189 | 23693 | ζ Dor | 5 5 30.656 034 | - 57 28 21.729 27 | - 31.65 | + 117.96 |
| 185 | 23767 | η Aur | 5 6 30.892 447 | + 41 14 4.108 91 | + 30.18 | - 68.32 |
| 1143 | 23833 | 13 G. Pic | 5 7 25.926 690 | - 44 49 18.078 82 | + 5.20 | + 12.94 |
| 188 | 23875 | β Eri | 5 7 50.979 551 | - 5 5 11.249 39 | - 92.91 | - 80.43 |
| 190 | 23972 | λ Eri | 5 9 8.783 774 | - 8 45 14.702 29 | + 1.27 | - 3.21 |
| 1144 | 24305 | μ Lep | 5 12 55.900 655 | - 16 12 19.724 12 | + 45.24 | - 20.55 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|--|---|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | ε_{α^*} (SI) [mas] | $\varepsilon_{\mu,\alpha^*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 1110 | 91.73 | 0.39 | 0.35 | 91.41 | 0.39 | 0.35 | 6.15 | 0.46 | H | − 1.4 | 4.56 | 1 | 31 | | |
| 148 | 91.01 | 0.60 | 0.30 | 90.84 | 0.42 | 0.29 | 1.30 | 0.30 | P | + 70.1 | 3.98 | 1 | 39 | | |
| 1114 | 91.42 | 0.48 | 0.44 | 91.19 | 0.47 | 0.46 | 9.86 | 0.51 | H | + 2.3 | 6.60 | | 11 | 1 | 3 |
| 1111 | 91.15 | 0.63 | 0.44 | 91.21 | 0.50 | 0.48 | 7.20 | 0.83 | H | + 17.0 | 5.28 | 1 | 39 | | |
| 151 | 91.03 | 0.78 | 0.26 | 91.23 | 0.46 | 0.33 | 25.24 | 0.87 | H | − 5.7 | 3.91 | | 33 | | |
| 1112 | 91.15 | 0.76 | 0.29 | 91.14 | 0.54 | 0.27 | 18.04 | 0.84 | H | + 9.1 | 4.36 | | 15 | 1 | 3 |
| 153 | 91.46 | 0.34 | 0.29 | 91.29 | 0.45 | 0.39 | 23.16 | 0.68 | H | + 63.3 | 5.59 | | 19 | | 1 |
| 1113 | 90.86 | 0.68 | 0.39 | 90.77 | 0.48 | 0.37 | 9.41 | 0.84 | H | + 6.1 | 4.25 | | 19 | | 1 |
| 1115 | 91.04 | 0.80 | 0.32 | 91.05 | 0.54 | 0.30 | 11.21 | 0.87 | H | + 24.8 | 5.51 | | 39 | | |
| 1116 | 91.11 | 0.75 | 0.34 | 90.98 | 0.52 | 0.35 | 16.72 | 0.93 | H | + 19.0 | 5.39 | 1 | 19 | | 1 |
| 154 | 90.97 | 0.74 | 0.25 | 91.13 | 0.63 | 0.25 | 25.98 | 1.04 | H | + 11.0 | 4.04 | 1 | 19 | | 1 |
| 155 | 91.13 | 0.40 | 0.37 | 91.18 | 0.42 | 0.36 | 27.85 | 0.51 | H | + 21.7 | 3.85 | | 31 | | |
| 1118 | 91.00 | 0.96 | 0.34 | 90.76 | 0.56 | 0.37 | 7.50 | 1.13 | H | + 17.3 | 4.27 | | 19 | | 1 |
| 157 | 91.32 | 0.45 | 0.38 | 91.33 | 0.46 | 0.40 | 49.26 | 0.50 | H | + 25.2 | 4.26 | 1 | 19 | | 1 |
| 166 | 91.23 | 0.44 | 0.40 | 91.20 | 0.49 | 0.42 | 8.00 | 0.50 | H | − 20.0 | 5.67 | | 28 | 2 | |
| 158 | 91.00 | 0.73 | 0.33 | 90.73 | 0.49 | 0.33 | 14.42 | 0.83 | H | − 27.4 | 4.93 | | 15 | 1 | 3 |
| 161 | 91.78 | 0.38 | 0.33 | 91.29 | 0.40 | 0.37 | 7.05 | 0.67 | H | + 32.3 | 5.38 | | 39 | | |
| 163 | 91.65 | 0.35 | 0.31 | 91.33 | 0.40 | 0.35 | 8.58 | 0.43 | H | + 45.0 | 5.24 | | 15 | 1 | 3 |
| 1120 | 90.84 | 0.67 | 0.38 | 90.99 | 0.58 | 0.38 | 15.66 | 0.80 | H | − 11.0 | 5.17 | | 13 | | |
| 1121 | 91.22 | 0.41 | 0.34 | 91.31 | 0.45 | 0.35 | 11.95 | 0.59 | H | + 24.1 | 3.97 | 1 | 21 | 2 | |
| 1123 | 90.86 | 0.81 | 0.48 | 90.73 | 0.71 | 0.52 | 8.47 | 1.11 | H | + 18.0 | 5.53 | | 18 | | |
| 164 | 91.08 | 0.69 | 0.23 | 91.04 | 0.49 | 0.23 | 21.04 | 0.82 | H | + 39.0 | 3.53 | | 15 | 1 | 3 |
| 1122 | 91.30 | 0.31 | 0.27 | 91.28 | 0.51 | 0.39 | 2.67 | 0.69 | H | + 39.2 | 6.63 | 1 | 18 | | |
| 167 | 91.25 | 0.43 | 0.37 | 91.36 | 0.44 | 0.39 | 4.59 | 0.51 | H | + 14.2 | 5.07 | | 11 | 1 | 3 |
| 1124 | 91.07 | 0.73 | 0.37 | 91.07 | 0.63 | 0.36 | 15.48 | 0.90 | H | − 23.0 | 6.09 | | 39 | | |
| 170 | 91.12 | 0.40 | 0.35 | 91.17 | 0.46 | 0.40 | 15.62 | 0.63 | H | − 4.0 | 3.81 | | 11 | 1 | 3 |
| 1127 | 91.24 | 0.30 | 0.31 | 91.33 | 0.45 | 0.40 | 10.34 | 0.69 | H | − 18.0 | 5.56 | | 18 | | |
| 1130 | 91.18 | 0.45 | 0.41 | 91.24 | 0.49 | 0.43 | 36.16 | 0.60 | H | + 26.8 | 5.04 | | 29 | 2 | |
| 177 | 91.61 | 0.47 | 0.42 | 91.31 | 0.46 | 0.41 | 6.75 | 0.49 | H | − 1.0 | 5.53 | | 19 | | 1 |
| 1131 | 91.01 | 0.63 | 0.42 | 90.90 | 0.47 | 0.40 | 2.80 | 0.60 | P | + 15.1 | 5.78 | 2 | 31 | | |
| 1132 | 91.43 | 0.39 | 0.36 | 91.27 | 0.50 | 0.41 | 17.40 | 0.68 | H | + 19.0 | 6.18 | | 21 | 2 | |
| 173 | 91.35 | 0.38 | 0.28 | 91.21 | 0.44 | 0.29 | 21.92 | 0.57 | H | − 6.0 | 5.96 | | 19 | | 1 |
| 1134 | 90.94 | 0.82 | 0.28 | 90.79 | 0.52 | 0.26 | 124.60 | 0.95 | H | + 24.3 | 3.19 | | 39 | | |
| 1133 | 91.17 | 0.73 | 0.40 | 91.19 | 0.58 | 0.41 | 6.18 | 0.84 | H | − 23.3 | 4.89 | 1 | 19 | | 1 |
| 1135 | 90.99 | 0.77 | 0.33 | 90.79 | 0.46 | 0.31 | 17.27 | 0.82 | H | + 36.8 | 5.08 | 1 | 29 | 2 | |
| 1138 | 91.50 | 0.43 | 0.35 | 91.32 | 0.46 | 0.39 | 4.58 | 0.47 | H | + 25.8 | 5.47 | 1 | 31 | | |
| 181 | 90.91 | 0.83 | 0.26 | 91.03 | 0.57 | 0.23 | 6.37 | 0.96 | H | + 17.5 | 2.69 | | 11 | 1 | 3 |
| 917 | 91.22 | 0.42 | 0.35 | 91.11 | 0.44 | 0.39 | 9.34 | 0.48 | H | − 5.0 | 5.84 | | 11 | 1 | 3 |
| 1139 | 91.10 | 0.39 | 0.39 | 91.20 | 0.51 | 0.46 | 9.90 | 0.63 | H | + 29.0 | 5.92 | | 11 | 1 | 3 |
| 184 | 91.15 | 0.77 | 0.27 | 90.79 | 0.41 | 0.23 | 20.01 | 0.91 | H | + 40.6 | 4.62 | | 31 | | |
| 182 | 91.24 | 0.48 | 0.31 | 91.11 | 0.46 | 0.28 | 3.27 | 0.74 | H | − 1.7 | 4.03 | 1 | 35 | | |
| 1140 | 91.12 | 0.80 | 0.33 | 90.76 | 0.42 | 0.28 | 8.15 | 0.97 | H | + 16.8 | 4.65 | 1 | 39 | | |
| 187 | 91.19 | 0.43 | 0.38 | 91.29 | 0.46 | 0.42 | 6.88 | 0.50 | H | + 36.0 | 5.05 | | 31 | | |
| 186 | 91.11 | 0.44 | 0.28 | 91.14 | 0.45 | 0.31 | 14.39 | 0.68 | H | + 1.0 | 3.19 | 1 | 21 | 2 | |
| 189 | 91.11 | 0.42 | 0.38 | 91.25 | 0.43 | 0.37 | 85.83 | 0.46 | H | − 1.4 | 4.71 | | 31 | | |
| 185 | 91.05 | 0.66 | 0.29 | 90.77 | 0.41 | 0.25 | 14.87 | 0.74 | H | + 7.3 | 3.18 | 1 | 39 | | |
| 1143 | 91.27 | 0.50 | 0.54 | 91.30 | 0.51 | 0.53 | 3.20 | 0.57 | H | + 19.7 | 6.91 | 1 | 31 | | |
| 188 | 90.97 | 0.61 | 0.26 | 90.94 | 0.46 | 0.25 | 36.71 | 0.76 | H | − 9.2 | 2.78 | | 29 | 2 | |
| 190 | 90.84 | 0.66 | 0.33 | 91.11 | 0.47 | 0.30 | 3.23 | 0.37 | P | + 3.0 | 4.25 | 2 | 39 | | |
| 1144 | 91.29 | 0.47 | 0.33 | 91.24 | 0.44 | 0.34 | 17.69 | 0.71 | H | + 27.7 | 3.29 | | 21 | 2 | |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------------|--|---------|---------|----------|--------------------------------------|---------|---------|----------|
| FK6 No. | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 1110 | - 1.34 | - 0.86 | - 1.12 | - 73.80 | + 0.18 | - 1.72 | - 2.07 | - 164.81 |
| 148 | + 0.18 | - 1.78 | - 3.56 | - 1.84 | - 2.18 | + 0.75 | + 1.03 | - 112.86 |
| 1114 | + 1.90 | - 1.65 | - 2.18 | + 5.65 | + 10.60 | - 4.41 | - 5.56 | + 98.25 |
| 1111 | - 9.31 | + 1.38 | + 4.77 | - 111.12 | + 1.27 | + 11.58 | + 17.74 | + 57.58 |
| 151 | - 10.74 | + 0.16 | + 0.49 | - 39.11 | + 16.80 | + 9.78 | + 10.56 | + 103.71 |
| 1112 | + 2.54 | + 2.49 | + 2.66 | + 9.97 | + 3.96 | - 5.63 | - 6.16 | + 20.27 |
| 153 | + 4.73 | - 1.78 | - 1.95 | + 20.31 | + 6.59 | + 3.93 | + 4.27 | + 97.73 |
| 1113 | - 11.27 | + 4.24 | + 5.43 | - 64.59 | - 0.61 | - 2.23 | - 2.43 | - 11.01 |
| 1115 | + 4.41 | + 13.00 | + 15.84 | + 23.25 | + 2.41 | - 1.55 | - 1.81 | + 17.60 |
| 1116 | - 1.41 | + 5.28 | + 5.72 | - 2.56 | - 1.26 | - 6.64 | - 7.36 | - 16.50 |
| 154 | - 4.91 | + 12.73 | + 14.77 | - 18.87 | + 10.91 | - 1.90 | - 1.36 | + 57.03 |
| 155 | + 6.85 | - 1.95 | - 2.13 | + 28.10 | - 15.74 | + 1.59 | + 1.68 | - 148.98 |
| 1118 | + 2.88 | - 0.09 | - 0.15 | + 20.05 | + 3.81 | + 8.45 | + 10.57 | + 55.22 |
| 157 | - 1.03 | - 0.62 | - 0.62 | - 18.52 | + 6.90 | + 2.07 | + 2.16 | + 130.59 |
| 166 | - 17.67 | + 9.48 | + 11.49 | - 121.60 | + 2.09 | - 1.35 | - 1.55 | + 21.21 |
| 158 | + 6.97 | + 1.41 | + 1.14 | + 35.73 | + 9.77 | - 7.61 | - 8.62 | + 68.44 |
| 161 | - 8.03 | + 5.60 | + 6.43 | - 36.91 | - 5.38 | + 2.68 | + 3.22 | - 50.87 |
| 163 | + 8.94 | - 1.65 | - 1.99 | + 35.80 | - 0.18 | + 0.06 | + 0.05 | + 23.92 |
| 1120 | - 6.23 | + 7.20 | + 8.38 | - 27.45 | + 4.72 | - 0.24 | + 0.12 | + 29.44 |
| 1121 | - 29.84 | + 26.92 | + 29.80 | - 87.38 | - 15.28 | + 26.82 | + 29.93 | + 27.38 |
| 1123 | - 1.86 | - 9.90 | - 17.01 | - 28.77 | - 0.15 | - 9.95 | - 18.34 | + 8.54 |
| 164 | + 12.74 | - 5.26 | - 6.65 | + 43.38 | - 4.59 | - 4.29 | - 5.16 | - 24.78 |
| 1122 | - 2.19 | + 0.60 | + 0.86 | - 28.62 | + 1.76 | - 0.43 | - 0.77 | + 69.39 |
| 167 | - 0.97 | + 1.22 | + 1.54 | + 34.85 | - 6.67 | + 5.76 | + 7.64 | - 26.93 |
| 1124 | - 18.31 | + 4.88 | + 6.11 | - 83.12 | - 5.78 | + 3.54 | + 4.15 | - 38.56 |
| 170 | - 2.54 | - 0.88 | - 0.97 | - 29.06 | + 7.74 | - 0.44 | - 0.53 | + 103.19 |
| 1127 | + 1.11 | + 0.86 | + 0.95 | + 30.01 | + 2.88 | + 0.93 | + 1.02 | + 72.27 |
| 1130 | - 5.69 | + 2.06 | + 2.16 | - 16.51 | + 4.30 | - 13.66 | - 14.89 | - 101.03 |
| 177 | + 0.56 | + 0.25 | + 0.33 | + 18.85 | - 0.39 | - 0.26 | - 0.34 | - 22.29 |
| 1131 | - 1.75 | + 2.57 | + 5.02 | - 38.79 | - 4.07 | + 4.93 | + 8.22 | - 104.34 |
| 1132 | + 16.44 | + 3.52 | + 3.78 | + 169.45 | - 5.11 | + 5.17 | + 5.78 | - 23.55 |
| 173 | - 6.46 | + 2.38 | + 2.56 | - 41.48 | - 3.10 | + 4.93 | + 5.19 | - 10.46 |
| 1134 | + 18.25 | - 9.96 | - 11.39 | + 56.72 | + 15.15 | - 2.83 | - 3.65 | + 72.02 |
| 1133 | + 0.21 | - 2.09 | - 3.18 | + 7.23 | + 3.96 | - 5.02 | - 6.80 | + 28.80 |
| 1135 | + 4.36 | - 6.84 | - 7.65 | + 20.45 | - 0.89 | + 6.59 | + 6.87 | + 7.19 |
| 1138 | + 2.09 | - 0.56 | - 0.74 | + 24.25 | - 5.10 | + 3.91 | + 5.21 | - 95.15 |
| 181 | - 1.73 | - 1.47 | - 1.75 | - 10.06 | + 3.32 | - 5.19 | - 6.35 | + 29.75 |
| 917 | - 4.91 | + 0.79 | + 0.88 | - 68.38 | - 0.92 | + 1.60 | + 1.87 | + 14.18 |
| 1139 | + 4.41 | - 1.25 | - 1.51 | + 33.46 | - 5.44 | + 1.59 | + 2.03 | - 97.47 |
| 184 | - 6.37 | + 11.05 | + 12.28 | - 19.61 | + 3.16 | - 0.54 | - 0.17 | + 10.35 |
| 182 | - 5.24 | + 0.55 | + 0.99 | - 78.91 | - 2.51 | + 0.63 | + 0.99 | - 52.54 |
| 1140 | - 3.09 | + 8.05 | + 10.79 | - 19.65 | - 4.43 | + 8.23 | + 10.09 | - 27.73 |
| 187 | - 9.29 | + 3.71 | + 4.59 | - 64.30 | + 7.85 | - 2.46 | - 3.16 | + 152.31 |
| 186 | - 9.07 | - 34.51 | - 38.16 | - 75.12 | + 0.60 | + 9.65 | + 11.38 | - 7.19 |
| 189 | - 1.34 | - 1.88 | - 1.97 | - 34.09 | - 1.15 | - 4.45 | - 4.71 | - 88.53 |
| 185 | - 18.49 | + 3.15 | + 3.77 | - 78.72 | + 5.53 | - 0.83 | - 0.83 | + 40.88 |
| 1143 | - 3.83 | + 3.98 | + 8.45 | + 87.66 | + 5.83 | - 3.47 | - 7.39 | - 8.92 |
| 188 | - 15.82 | + 75.77 | + 83.11 | - 45.77 | + 15.27 | + 41.68 | + 43.14 | + 120.41 |
| 190 | + 1.91 | - 7.55 | - 11.91 | + 40.23 | - 1.50 | + 7.74 | + 10.85 | + 21.84 |
| 1144 | - 35.16 | + 2.49 | + 2.68 | - 182.91 | - 35.95 | + 35.58 | + 38.55 | - 166.21 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------------|---|--------|--------|--------|---------|---|--------|--------|--------|---------|
| FK6 No. | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 1110 | + 0.15 | - 0.10 | - 0.13 | - 0.89 | + 0.97 | + 0.41 | - 0.20 | - 0.24 | - 1.60 | + 1.66 |
| 148 | + 0.05 | - 0.20 | - 0.40 | + 0.06 | + 0.13 | - 0.07 | + 0.08 | + 0.11 | - 1.46 | + 0.63 |
| 1114 | + 0.24 | - 0.19 | - 0.25 | + 0.38 | + 0.29 | + 1.04 | - 0.50 | - 0.63 | + 2.66 | + 0.58 |
| 1111 | - 0.09 | + 0.14 | + 0.52 | - 2.16 | + 1.07 | - 0.34 | + 1.32 | + 2.02 | + 0.40 | - 1.15 |
| 151 | - 0.14 | + 0.05 | + 0.09 | - 0.54 | + 0.25 | - 0.06 | + 1.12 | + 1.21 | + 1.06 | - 1.12 |
| 1112 | - 0.01 | + 0.29 | + 0.31 | + 0.10 | - 0.15 | + 0.15 | - 0.64 | - 0.70 | + 0.36 | + 0.02 |
| 153 | + 0.28 | - 0.20 | - 0.22 | + 0.55 | + 0.06 | - 0.26 | + 0.45 | + 0.49 | + 1.01 | - 1.23 |
| 1113 | - 0.34 | + 0.46 | + 0.59 | - 1.34 | + 0.56 | + 0.09 | - 0.24 | - 0.26 | - 0.03 | + 0.25 |
| 1115 | - 0.10 | + 1.47 | + 1.79 | + 0.14 | - 0.49 | + 0.07 | - 0.17 | - 0.20 | + 0.28 | - 0.06 |
| 1116 | - 0.19 | + 0.60 | + 0.65 | - 0.23 | - 0.21 | + 0.22 | - 0.74 | - 0.82 | + 0.02 | + 0.45 |
| 154 | - 0.16 | + 1.43 | + 1.66 | - 0.36 | - 0.02 | + 0.19 | - 0.22 | - 0.16 | + 0.74 | - 0.15 |
| 155 | + 0.49 | - 0.22 | - 0.24 | + 0.86 | + 0.23 | - 0.48 | + 0.18 | + 0.19 | - 2.20 | + 0.69 |
| 1118 | + 0.06 | - 0.02 | - 0.03 | + 0.34 | - 0.15 | - 0.19 | + 0.92 | + 1.15 | + 0.49 | - 0.87 |
| 157 | + 0.14 | - 0.07 | - 0.07 | - 0.15 | + 0.40 | - 0.26 | + 0.24 | + 0.25 | + 1.37 | - 1.32 |
| 166 | - 1.70 | + 1.08 | + 1.31 | - 3.54 | - 1.04 | + 0.22 | - 0.14 | - 0.16 | + 0.50 | + 0.15 |
| 158 | + 0.00 | + 0.16 | + 0.13 | + 0.47 | - 0.49 | + 0.42 | - 0.82 | - 0.93 | + 1.26 | - 0.07 |
| 161 | - 0.79 | + 0.68 | + 0.78 | - 1.34 | - 0.65 | - 0.50 | + 0.29 | + 0.35 | - 1.23 | - 0.26 |
| 163 | + 0.97 | - 0.20 | - 0.24 | + 1.57 | + 0.87 | - 0.10 | + 0.01 | + 0.01 | + 0.20 | - 0.27 |
| 1120 | - 0.34 | + 0.79 | + 0.92 | - 0.74 | - 0.07 | + 0.19 | - 0.03 | + 0.01 | + 0.56 | - 0.07 |
| 1121 | - 3.27 | + 3.08 | + 3.41 | - 4.39 | - 3.13 | - 2.27 | + 3.11 | + 3.47 | - 2.00 | - 2.89 |
| 1123 | + 0.12 | - 1.10 | - 1.89 | - 0.30 | + 0.52 | + 0.10 | - 1.08 | - 1.99 | + 0.35 | + 0.21 |
| 164 | + 0.18 | - 0.60 | - 0.76 | + 0.60 | - 0.25 | - 0.02 | - 0.49 | - 0.59 | - 0.24 | + 0.15 |
| 1122 | - 0.18 | + 0.07 | + 0.10 | - 0.69 | + 0.03 | + 0.06 | - 0.05 | - 0.09 | + 1.16 | - 0.50 |
| 167 | - 0.27 | + 0.15 | + 0.19 | + 0.24 | - 0.76 | - 0.80 | + 0.67 | + 0.89 | - 1.30 | - 0.95 |
| 1124 | - 0.42 | + 0.55 | + 0.69 | - 1.59 | + 0.72 | - 0.21 | + 0.40 | + 0.47 | - 0.69 | + 0.13 |
| 170 | + 0.09 | - 0.10 | - 0.11 | - 0.30 | + 0.49 | + 0.16 | - 0.05 | - 0.06 | + 1.43 | - 0.70 |
| 1127 | - 0.18 | + 0.10 | + 0.11 | + 0.33 | - 0.55 | - 0.09 | + 0.11 | + 0.12 | + 0.95 | - 0.73 |
| 1130 | - 0.55 | + 0.22 | + 0.23 | - 0.77 | - 0.44 | + 1.70 | - 1.56 | - 1.70 | + 0.40 | + 2.94 |
| 177 | - 0.03 | + 0.03 | + 0.04 | + 0.27 | - 0.25 | + 0.02 | - 0.03 | - 0.04 | - 0.27 | + 0.17 |
| 1131 | - 0.10 | + 0.28 | + 0.55 | - 0.84 | + 0.20 | - 0.29 | + 0.54 | + 0.90 | - 1.94 | + 0.32 |
| 1132 | - 0.20 | + 0.41 | + 0.44 | + 2.28 | - 2.17 | - 0.52 | + 0.59 | + 0.66 | - 0.84 | - 0.45 |
| 173 | - 0.28 | + 0.27 | + 0.29 | - 0.78 | - 0.03 | - 0.31 | + 0.56 | + 0.59 | - 0.41 | - 0.28 |
| 1134 | + 0.38 | - 1.11 | - 1.27 | + 0.96 | - 0.23 | + 0.15 | - 0.31 | - 0.40 | + 0.83 | - 0.37 |
| 1133 | - 0.02 | - 0.23 | - 0.35 | + 0.13 | - 0.09 | + 0.38 | - 0.57 | - 0.77 | + 0.87 | + 0.25 |
| 1135 | + 0.27 | - 0.76 | - 0.85 | + 0.52 | + 0.14 | - 0.29 | + 0.71 | + 0.74 | - 0.21 | - 0.38 |
| 1138 | + 0.18 | - 0.06 | - 0.08 | + 0.54 | + 0.00 | - 0.44 | + 0.45 | + 0.60 | - 1.66 | - 0.04 |
| 181 | + 0.00 | - 0.16 | - 0.19 | - 0.12 | + 0.12 | + 0.11 | - 0.58 | - 0.71 | + 0.43 | - 0.07 |
| 917 | - 0.21 | + 0.09 | + 0.10 | - 1.14 | + 0.39 | - 0.18 | + 0.18 | + 0.21 | - 0.02 | - 0.30 |
| 1139 | + 0.37 | - 0.14 | - 0.17 | + 0.99 | + 0.11 | - 0.31 | + 0.18 | + 0.23 | - 1.75 | + 0.42 |
| 184 | - 0.32 | + 1.27 | + 1.41 | - 0.53 | - 0.15 | + 0.18 | - 0.07 | - 0.03 | + 0.28 | + 0.12 |
| 182 | - 0.09 | + 0.06 | + 0.11 | - 1.19 | + 0.73 | - 0.05 | + 0.07 | + 0.11 | - 0.64 | + 0.34 |
| 1140 | - 0.10 | + 0.91 | + 1.22 | - 0.39 | + 0.12 | - 0.35 | + 0.89 | + 1.09 | - 0.71 | - 0.19 |
| 187 | - 0.91 | + 0.42 | + 0.52 | - 2.02 | - 0.56 | + 0.58 | - 0.28 | - 0.36 | + 2.77 | - 0.32 |
| 186 | + 0.64 | - 3.89 | - 4.30 | - 0.18 | + 1.46 | + 0.03 | + 1.04 | + 1.23 | - 0.09 | + 0.04 |
| 189 | + 0.39 | - 0.21 | - 0.22 | - 0.12 | + 0.87 | + 0.70 | - 0.51 | - 0.54 | - 0.43 | + 1.40 |
| 185 | - 0.33 | + 0.35 | + 0.42 | - 1.20 | + 0.60 | + 0.12 | - 0.09 | - 0.09 | + 0.52 | - 0.14 |
| 1143 | - 0.76 | + 0.46 | + 0.97 | + 0.50 | - 3.06 | + 0.80 | - 0.40 | - 0.85 | + 1.34 | + 2.09 |
| 188 | - 1.09 | + 8.69 | + 9.52 | - 1.58 | - 0.91 | - 0.83 | + 4.81 | + 4.99 | + 0.33 | - 1.73 |
| 190 | + 0.13 | - 0.80 | - 1.27 | + 0.73 | - 0.14 | - 0.35 | + 0.86 | + 1.20 | - 0.18 | - 0.67 |
| 1144 | - 0.97 | + 0.39 | + 0.42 | - 3.34 | + 1.00 | - 3.18 | + 4.08 | + 4.42 | - 5.14 | - 2.46 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------|------------|-------|-------|-------|--------------------------------|------|------|-------|--|------|------|------|---------|
| FK6 | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu, \alpha^*}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 1110 | 88.07 | 91.72 | 91.72 | 56.13 | 8.93 | 0.40 | 0.40 | 29.54 | 0.62 | 0.40 | 0.41 | 1.04 | 0.83 |
| 148 | 88.21 | 91.07 | 91.07 | 56.93 | 4.23 | 0.60 | 0.60 | 14.39 | 0.32 | 0.54 | 0.74 | 0.52 | 0.42 |
| 1114 | 87.40 | 91.43 | 91.43 | 64.45 | 10.68 | 0.48 | 0.48 | 28.13 | 0.80 | 0.51 | 0.53 | 1.36 | 1.04 |
| 1111 | 83.66 | 91.16 | 91.16 | 62.56 | 8.65 | 0.63 | 0.63 | 16.83 | 0.53 | 0.88 | 1.04 | 0.91 | 0.59 |
| 151 | 67.41 | 91.18 | 91.18 | 47.99 | 10.52 | 0.80 | 0.80 | 14.17 | 0.34 | 0.82 | 0.86 | 0.49 | 0.33 |
| 1112 | 72.33 | 91.25 | 91.25 | 54.52 | 10.02 | 0.76 | 0.76 | 13.96 | 0.36 | 0.82 | 0.87 | 0.50 | 0.38 |
| 153 | 80.97 | 91.42 | 91.42 | 59.88 | 12.61 | 0.34 | 0.34 | 22.02 | 0.59 | 0.36 | 0.36 | 0.87 | 0.70 |
| 1113 | 81.81 | 90.93 | 90.93 | 63.32 | 9.23 | 0.68 | 0.68 | 15.90 | 0.48 | 0.74 | 0.80 | 0.69 | 0.58 |
| 1115 | 77.58 | 91.14 | 91.14 | 56.11 | 9.52 | 0.80 | 0.80 | 15.28 | 0.38 | 0.84 | 0.92 | 0.54 | 0.44 |
| 1116 | 76.26 | 91.19 | 91.19 | 59.14 | 10.27 | 0.75 | 0.75 | 15.03 | 0.43 | 0.80 | 0.85 | 0.61 | 0.47 |
| 154 | 65.39 | 91.13 | 91.13 | 45.06 | 10.48 | 0.74 | 0.74 | 14.01 | 0.32 | 0.99 | 1.09 | 0.46 | 0.30 |
| 155 | 81.48 | 91.14 | 91.14 | 58.58 | 13.40 | 0.40 | 0.40 | 24.50 | 0.63 | 0.47 | 0.48 | 0.92 | 0.75 |
| 1118 | 80.53 | 91.13 | 91.13 | 56.81 | 8.54 | 0.96 | 0.96 | 15.33 | 0.39 | 0.90 | 1.04 | 0.61 | 0.45 |
| 157 | 82.62 | 91.33 | 91.33 | 59.41 | 14.75 | 0.45 | 0.45 | 28.34 | 0.74 | 0.45 | 0.46 | 1.14 | 0.89 |
| 166 | 87.00 | 91.24 | 91.24 | 55.15 | 9.91 | 0.44 | 0.44 | 28.90 | 0.62 | 0.49 | 0.51 | 1.01 | 0.80 |
| 158 | 77.05 | 91.08 | 91.08 | 58.12 | 10.12 | 0.73 | 0.73 | 15.46 | 0.43 | 0.76 | 0.81 | 0.61 | 0.47 |
| 161 | 84.76 | 91.80 | 91.80 | 54.36 | 9.05 | 0.38 | 0.38 | 21.52 | 0.49 | 0.44 | 0.46 | 0.82 | 0.57 |
| 163 | 87.55 | 91.64 | 91.64 | 59.43 | 10.22 | 0.36 | 0.36 | 29.94 | 0.70 | 0.33 | 0.34 | 1.16 | 0.93 |
| 1120 | 78.81 | 90.90 | 90.90 | 60.33 | 10.65 | 0.67 | 0.67 | 16.80 | 0.49 | 0.76 | 0.81 | 0.71 | 0.55 |
| 1121 | 83.10 | 91.23 | 91.23 | 52.53 | 11.08 | 0.41 | 0.41 | 24.15 | 0.51 | 0.45 | 0.46 | 0.80 | 0.62 |
| 1123 | 84.26 | 90.95 | 90.95 | 58.73 | 9.62 | 0.82 | 0.82 | 20.84 | 0.58 | 0.95 | 1.15 | 1.08 | 0.65 |
| 164 | 65.42 | 91.24 | 91.24 | 46.06 | 9.83 | 0.69 | 0.69 | 13.01 | 0.30 | 0.94 | 1.02 | 0.42 | 0.29 |
| 1122 | 88.41 | 91.32 | 91.32 | 60.14 | 5.97 | 0.31 | 0.31 | 19.74 | 0.47 | 0.31 | 0.32 | 0.85 | 0.63 |
| 167 | 88.22 | 91.26 | 91.26 | 58.65 | 7.77 | 0.43 | 0.43 | 25.46 | 0.58 | 0.45 | 0.47 | 1.00 | 0.78 |
| 1124 | 78.36 | 91.15 | 91.15 | 61.32 | 10.35 | 0.73 | 0.73 | 15.77 | 0.48 | 0.80 | 0.85 | 0.68 | 0.53 |
| 170 | 82.91 | 91.13 | 91.13 | 57.92 | 11.89 | 0.40 | 0.40 | 23.78 | 0.57 | 0.44 | 0.45 | 0.85 | 0.72 |
| 1127 | 84.02 | 91.24 | 91.24 | 60.42 | 10.30 | 0.30 | 0.30 | 21.26 | 0.59 | 0.37 | 0.38 | 0.98 | 0.69 |
| 1130 | 81.67 | 91.19 | 91.19 | 60.68 | 13.84 | 0.45 | 0.45 | 24.73 | 0.68 | 0.53 | 0.54 | 1.02 | 0.81 |
| 177 | 87.60 | 91.62 | 91.62 | 59.44 | 9.20 | 0.47 | 0.47 | 27.02 | 0.64 | 0.52 | 0.54 | 1.08 | 0.84 |
| 1131 | 87.83 | 91.04 | 91.04 | 60.81 | 6.07 | 0.64 | 0.64 | 18.30 | 0.48 | 0.67 | 0.81 | 0.84 | 0.61 |
| 1132 | 82.06 | 91.44 | 91.44 | 57.69 | 12.12 | 0.39 | 0.39 | 23.16 | 0.59 | 0.47 | 0.48 | 0.92 | 0.69 |
| 173 | 74.83 | 91.36 | 91.36 | 45.24 | 12.17 | 0.38 | 0.38 | 20.36 | 0.44 | 0.41 | 0.42 | 0.75 | 0.44 |
| 1134 | 66.22 | 91.05 | 91.05 | 50.22 | 11.22 | 0.82 | 0.82 | 14.37 | 0.38 | 0.88 | 0.93 | 0.53 | 0.35 |
| 1133 | 84.64 | 91.19 | 91.19 | 64.33 | 8.17 | 0.73 | 0.73 | 16.49 | 0.51 | 0.65 | 0.72 | 0.82 | 0.61 |
| 1135 | 75.21 | 91.09 | 91.09 | 49.54 | 11.15 | 0.78 | 0.78 | 17.98 | 0.41 | 0.86 | 0.93 | 0.63 | 0.43 |
| 1138 | 88.24 | 91.51 | 91.51 | 55.03 | 7.80 | 0.43 | 0.43 | 26.96 | 0.55 | 0.43 | 0.45 | 0.93 | 0.74 |
| 181 | 77.83 | 91.08 | 91.08 | 54.29 | 7.62 | 0.84 | 0.84 | 12.66 | 0.30 | 0.79 | 0.91 | 0.44 | 0.34 |
| 917 | 86.15 | 91.23 | 91.23 | 53.02 | 10.50 | 0.42 | 0.42 | 28.75 | 0.59 | 0.43 | 0.44 | 0.96 | 0.75 |
| 1139 | 86.68 | 91.11 | 91.11 | 63.36 | 10.57 | 0.39 | 0.39 | 26.13 | 0.74 | 0.45 | 0.46 | 1.27 | 0.94 |
| 184 | 71.22 | 91.20 | 91.20 | 52.12 | 10.36 | 0.78 | 0.78 | 14.48 | 0.36 | 0.72 | 0.75 | 0.49 | 0.37 |
| 182 | 85.82 | 91.26 | 91.26 | 55.56 | 6.38 | 0.48 | 0.48 | 16.35 | 0.36 | 0.56 | 0.63 | 0.57 | 0.46 |
| 1140 | 80.77 | 91.19 | 91.19 | 59.83 | 8.70 | 0.80 | 0.80 | 15.08 | 0.40 | 0.74 | 0.82 | 0.55 | 0.48 |
| 187 | 87.35 | 91.20 | 91.20 | 59.16 | 9.24 | 0.43 | 0.43 | 26.51 | 0.64 | 0.45 | 0.47 | 1.09 | 0.83 |
| 186 | 73.77 | 91.11 | 91.11 | 46.42 | 10.44 | 0.44 | 0.44 | 16.72 | 0.36 | 0.63 | 0.66 | 0.55 | 0.37 |
| 189 | 81.49 | 91.11 | 91.11 | 58.13 | 14.95 | 0.42 | 0.42 | 27.55 | 0.71 | 0.45 | 0.46 | 1.09 | 0.84 |
| 185 | 74.25 | 91.11 | 91.11 | 53.34 | 10.04 | 0.66 | 0.66 | 15.00 | 0.36 | 0.70 | 0.74 | 0.51 | 0.40 |
| 1143 | 90.02 | 91.27 | 91.27 | 67.87 | 6.67 | 0.50 | 0.50 | 29.00 | 0.80 | 0.60 | 0.66 | 1.60 | 1.24 |
| 188 | 66.12 | 91.01 | 91.01 | 47.22 | 10.98 | 0.65 | 0.65 | 14.53 | 0.34 | 0.81 | 0.85 | 0.47 | 0.33 |
| 190 | 86.29 | 90.85 | 90.85 | 51.96 | 6.47 | 0.67 | 0.67 | 18.37 | 0.37 | 0.62 | 0.73 | 0.58 | 0.47 |
| 1144 | 78.16 | 91.30 | 91.30 | 56.09 | 11.33 | 0.48 | 0.48 | 18.56 | 0.48 | 0.52 | 0.53 | 0.71 | 0.53 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 No. | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 1110 | 88.53 | 91.41 | 91.41 | 45.13 | 9.08 | 0.39 | 0.39 | 37.31 | 0.62 | 0.40 | 0.41 | 1.13 | 0.81 |
| 148 | 88.76 | 90.88 | 90.88 | 43.17 | 4.29 | 0.42 | 0.42 | 19.45 | 0.32 | 0.48 | 0.62 | 0.57 | 0.41 |
| 1114 | 87.98 | 91.19 | 91.19 | 55.29 | 11.01 | 0.47 | 0.47 | 36.54 | 0.78 | 0.54 | 0.56 | 1.40 | 1.02 |
| 1111 | 86.03 | 91.21 | 91.21 | 56.26 | 9.29 | 0.50 | 0.50 | 24.06 | 0.56 | 0.90 | 1.07 | 0.92 | 0.69 |
| 151 | 74.96 | 91.27 | 91.27 | 48.02 | 12.38 | 0.46 | 0.46 | 20.17 | 0.42 | 0.69 | 0.71 | 0.62 | 0.47 |
| 1112 | 71.32 | 91.17 | 91.17 | 41.19 | 11.16 | 0.54 | 0.54 | 17.68 | 0.34 | 0.69 | 0.72 | 0.52 | 0.35 |
| 153 | 82.06 | 91.28 | 91.28 | 51.59 | 13.48 | 0.45 | 0.45 | 28.00 | 0.60 | 0.55 | 0.56 | 0.96 | 0.71 |
| 1113 | 82.92 | 90.80 | 90.80 | 52.78 | 10.03 | 0.48 | 0.48 | 21.62 | 0.44 | 0.69 | 0.74 | 0.65 | 0.57 |
| 1115 | 77.81 | 91.09 | 91.09 | 46.91 | 10.16 | 0.54 | 0.54 | 18.46 | 0.37 | 0.61 | 0.64 | 0.58 | 0.42 |
| 1116 | 77.64 | 91.00 | 91.00 | 51.91 | 11.37 | 0.52 | 0.52 | 19.34 | 0.45 | 0.77 | 0.82 | 0.68 | 0.49 |
| 154 | 64.52 | 91.19 | 91.19 | 34.80 | 11.46 | 0.63 | 0.63 | 16.65 | 0.32 | 1.00 | 1.10 | 0.51 | 0.30 |
| 155 | 81.40 | 91.19 | 91.19 | 46.43 | 14.14 | 0.42 | 0.42 | 30.16 | 0.57 | 0.48 | 0.49 | 0.90 | 0.67 |
| 1118 | 83.40 | 90.79 | 90.79 | 53.36 | 9.15 | 0.56 | 0.56 | 20.17 | 0.44 | 0.71 | 0.78 | 0.69 | 0.54 |
| 157 | 82.62 | 91.34 | 91.34 | 47.32 | 15.49 | 0.46 | 0.46 | 34.95 | 0.68 | 0.49 | 0.50 | 1.12 | 0.79 |
| 166 | 87.15 | 91.22 | 91.22 | 42.41 | 10.10 | 0.49 | 0.49 | 34.87 | 0.58 | 0.55 | 0.58 | 1.07 | 0.71 |
| 158 | 78.09 | 90.77 | 90.77 | 47.90 | 11.17 | 0.49 | 0.49 | 20.29 | 0.42 | 0.65 | 0.68 | 0.68 | 0.47 |
| 161 | 86.58 | 91.31 | 91.31 | 49.79 | 9.39 | 0.41 | 0.41 | 27.98 | 0.55 | 0.48 | 0.50 | 0.98 | 0.67 |
| 163 | 87.00 | 91.33 | 91.33 | 44.07 | 10.38 | 0.40 | 0.40 | 34.57 | 0.59 | 0.42 | 0.43 | 1.08 | 0.73 |
| 1120 | 79.66 | 91.01 | 91.01 | 52.59 | 11.51 | 0.58 | 0.58 | 21.05 | 0.48 | 0.75 | 0.80 | 0.75 | 0.55 |
| 1121 | 83.43 | 91.33 | 91.33 | 41.06 | 11.46 | 0.45 | 0.45 | 29.03 | 0.49 | 0.51 | 0.52 | 0.83 | 0.58 |
| 1123 | 85.40 | 90.77 | 90.77 | 52.98 | 10.00 | 0.71 | 0.71 | 25.87 | 0.60 | 1.04 | 1.29 | 1.15 | 0.68 |
| 164 | 65.03 | 91.17 | 91.17 | 32.36 | 11.19 | 0.51 | 0.51 | 16.77 | 0.29 | 0.75 | 0.80 | 0.45 | 0.29 |
| 1122 | 89.05 | 91.30 | 91.30 | 55.49 | 6.08 | 0.51 | 0.51 | 24.45 | 0.51 | 0.51 | 0.56 | 0.96 | 0.68 |
| 167 | 88.48 | 91.37 | 91.37 | 46.01 | 7.91 | 0.45 | 0.45 | 31.87 | 0.55 | 0.50 | 0.53 | 1.02 | 0.70 |
| 1124 | 79.67 | 91.11 | 91.11 | 51.66 | 11.53 | 0.63 | 0.63 | 21.33 | 0.47 | 0.65 | 0.68 | 0.71 | 0.54 |
| 170 | 83.82 | 91.18 | 91.18 | 48.60 | 12.49 | 0.46 | 0.46 | 29.92 | 0.58 | 0.55 | 0.57 | 0.93 | 0.70 |
| 1127 | 85.51 | 91.33 | 91.33 | 53.23 | 10.85 | 0.45 | 0.45 | 27.90 | 0.60 | 0.51 | 0.53 | 1.04 | 0.73 |
| 1130 | 82.74 | 91.26 | 91.26 | 50.06 | 14.88 | 0.49 | 0.49 | 32.74 | 0.67 | 0.58 | 0.59 | 1.07 | 0.79 |
| 177 | 87.51 | 91.32 | 91.32 | 46.01 | 9.36 | 0.46 | 0.46 | 32.52 | 0.58 | 0.53 | 0.56 | 1.07 | 0.72 |
| 1131 | 88.33 | 90.90 | 90.90 | 52.60 | 6.19 | 0.47 | 0.47 | 22.88 | 0.46 | 0.60 | 0.69 | 0.84 | 0.60 |
| 1132 | 83.01 | 91.28 | 91.28 | 49.30 | 12.75 | 0.50 | 0.50 | 28.76 | 0.59 | 0.58 | 0.60 | 1.01 | 0.69 |
| 173 | 74.80 | 91.23 | 91.23 | 36.49 | 12.69 | 0.44 | 0.44 | 23.16 | 0.40 | 0.47 | 0.48 | 0.66 | 0.42 |
| 1134 | 64.64 | 90.85 | 90.85 | 37.44 | 12.77 | 0.52 | 0.52 | 18.17 | 0.35 | 0.74 | 0.77 | 0.53 | 0.34 |
| 1133 | 86.38 | 91.15 | 91.15 | 57.23 | 8.70 | 0.59 | 0.59 | 23.01 | 0.53 | 0.62 | 0.68 | 0.87 | 0.68 |
| 1135 | 75.54 | 90.86 | 90.86 | 37.64 | 11.94 | 0.47 | 0.47 | 22.06 | 0.40 | 0.71 | 0.75 | 0.70 | 0.41 |
| 1138 | 88.24 | 91.33 | 91.33 | 41.58 | 7.90 | 0.46 | 0.46 | 32.04 | 0.51 | 0.52 | 0.56 | 0.94 | 0.64 |
| 181 | 77.09 | 91.12 | 91.12 | 39.02 | 8.14 | 0.58 | 0.58 | 15.64 | 0.27 | 0.65 | 0.71 | 0.44 | 0.30 |
| 917 | 86.02 | 91.12 | 91.12 | 39.14 | 10.70 | 0.44 | 0.44 | 33.80 | 0.54 | 0.53 | 0.55 | 1.00 | 0.65 |
| 1139 | 87.46 | 91.21 | 91.21 | 53.36 | 10.97 | 0.51 | 0.51 | 34.73 | 0.72 | 0.56 | 0.58 | 1.26 | 0.92 |
| 184 | 68.00 | 90.78 | 90.78 | 42.57 | 10.71 | 0.41 | 0.41 | 15.50 | 0.33 | 0.50 | 0.52 | 0.50 | 0.32 |
| 182 | 85.80 | 91.13 | 91.13 | 43.26 | 6.52 | 0.46 | 0.46 | 19.39 | 0.32 | 0.52 | 0.58 | 0.52 | 0.41 |
| 1140 | 80.58 | 90.76 | 90.76 | 49.73 | 9.18 | 0.42 | 0.42 | 18.13 | 0.37 | 0.51 | 0.55 | 0.58 | 0.44 |
| 187 | 88.16 | 91.30 | 91.30 | 49.74 | 9.49 | 0.46 | 0.46 | 34.74 | 0.65 | 0.52 | 0.54 | 1.21 | 0.84 |
| 186 | 77.10 | 91.13 | 91.13 | 38.20 | 11.44 | 0.45 | 0.45 | 22.16 | 0.39 | 0.61 | 0.63 | 0.66 | 0.42 |
| 189 | 80.83 | 91.26 | 91.26 | 44.91 | 15.67 | 0.43 | 0.43 | 33.05 | 0.64 | 0.47 | 0.48 | 1.10 | 0.71 |
| 185 | 73.41 | 90.81 | 90.81 | 36.00 | 11.12 | 0.41 | 0.41 | 19.58 | 0.33 | 0.50 | 0.51 | 0.53 | 0.36 |
| 1143 | 90.34 | 91.30 | 91.30 | 63.83 | 6.74 | 0.51 | 0.51 | 36.76 | 0.81 | 0.57 | 0.62 | 1.60 | 1.34 |
| 188 | 64.59 | 90.94 | 90.94 | 32.94 | 12.34 | 0.48 | 0.48 | 18.25 | 0.33 | 0.61 | 0.62 | 0.53 | 0.31 |
| 190 | 86.90 | 91.07 | 91.07 | 43.31 | 6.57 | 0.48 | 0.48 | 21.88 | 0.36 | 0.48 | 0.53 | 0.63 | 0.46 |
| 1144 | 80.02 | 91.25 | 91.25 | 46.01 | 12.39 | 0.44 | 0.44 | 24.87 | 0.49 | 0.52 | 0.53 | 0.81 | 0.55 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|------------|-----------|--------|--------|-----------------------|------|------|---------------------------------|-------------------------------|--|--------------------------------------|
| FK6 No. | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ [mas] | $\Delta\delta_{sys}$ [mas] | $\Delta\mu_{\alpha^*,sys}$ [mas/yr] | $\Delta\mu_{\delta,sys}$ [mas/yr] |
| | SI | STP | HIP | SI | STP | HIP | | | | |
| 1110 | 6.13 | 6.15 | 6.15 | 0.46 | 0.46 | 0.46 | - 43.69 | + 79.45 | + 1.53 | - 1.95 |
| 148 | 1.88 | 1.86 | 1.84 | 0.70 | 0.70 | 0.70 | + 0.32 | + 18.41 | - 0.31 | - 0.63 |
| 1114 | 9.85 | 9.86 | 9.86 | 0.51 | 0.51 | 0.51 | + 3.83 | + 54.34 | - 1.66 | - 0.99 |
| 1111 | 6.69 | 7.01 | 7.20 | 0.78 | 0.81 | 0.83 | - 32.29 | - 29.65 | - 0.09 | - 0.89 |
| 151 | 25.31 | 25.24 | 25.24 | 0.85 | 0.87 | 0.87 | - 22.52 | - 39.76 | + 0.33 | - 1.42 |
| 1112 | 17.99 | 18.03 | 18.04 | 0.83 | 0.84 | 0.84 | + 8.99 | - 1.02 | - 1.59 | - 1.34 |
| 153 | 23.17 | 23.16 | 23.16 | 0.68 | 0.68 | 0.68 | - 57.68 | - 30.07 | + 3.60 | - 0.53 |
| 1113 | 9.36 | 9.41 | 9.41 | 0.83 | 0.84 | 0.84 | - 21.37 | + 38.95 | + 0.22 | + 0.14 |
| 1115 | 11.26 | 11.22 | 11.21 | 0.86 | 0.87 | 0.87 | - 2.94 | - 1.94 | - 1.51 | - 1.34 |
| 1116 | 16.29 | 16.68 | 16.72 | 0.85 | 0.92 | 0.93 | + 23.93 | + 0.57 | - 1.61 | - 1.14 |
| 154 | 26.10 | 26.01 | 25.98 | 1.02 | 1.04 | 1.04 | - 48.21 | - 41.98 | + 0.38 | - 0.48 |
| 155 | 27.89 | 27.85 | 27.85 | 0.51 | 0.51 | 0.51 | - 78.03 | - 0.35 | + 3.50 | - 2.46 |
| 1118 | 7.48 | 7.49 | 7.50 | 1.04 | 1.11 | 1.13 | - 8.85 | - 39.61 | + 0.58 | - 1.39 |
| 157 | 49.25 | 49.26 | 49.26 | 0.50 | 0.50 | 0.50 | - 103.71 | + 33.77 | + 5.24 | - 3.15 |
| 166 | 7.95 | 7.99 | 8.00 | 0.50 | 0.50 | 0.50 | + 113.29 | + 29.42 | - 5.89 | - 0.48 |
| 158 | 14.34 | 14.40 | 14.42 | 0.81 | 0.83 | 0.83 | + 2.77 | + 11.83 | - 0.34 | - 0.59 |
| 161 | 7.25 | 7.08 | 7.05 | 0.67 | 0.67 | 0.67 | - 55.09 | - 36.18 | + 1.26 | - 0.02 |
| 163 | 8.59 | 8.58 | 8.58 | 0.43 | 0.43 | 0.43 | - 47.49 | + 73.96 | + 1.69 | - 1.76 |
| 1120 | 15.57 | 15.65 | 15.66 | 0.80 | 0.80 | 0.80 | - 46.21 | - 39.72 | + 0.04 | - 0.72 |
| 1121 | 11.38 | 11.89 | 11.95 | 0.59 | 0.59 | 0.59 | - 89.30 | - 34.53 | + 3.03 | - 1.50 |
| 1123 | 7.83 | 8.18 | 8.47 | 1.03 | 1.08 | 1.11 | - 39.18 | - 42.42 | - 0.36 | - 1.17 |
| 164 | 21.30 | 21.09 | 21.04 | 0.76 | 0.81 | 0.82 | - 11.08 | - 9.19 | - 1.48 | - 1.28 |
| 1122 | 2.65 | 2.66 | 2.67 | 0.69 | 0.69 | 0.69 | + 52.27 | + 42.50 | + 0.09 | - 0.73 |
| 167 | 4.55 | 4.58 | 4.59 | 0.51 | 0.51 | 0.51 | - 77.88 | + 6.11 | + 4.30 | - 2.83 |
| 1124 | 15.57 | 15.50 | 15.48 | 0.89 | 0.90 | 0.90 | - 6.37 | + 21.17 | + 0.47 | - 0.08 |
| 170 | 15.63 | 15.62 | 15.62 | 0.63 | 0.63 | 0.63 | - 86.30 | - 41.77 | + 3.65 | - 1.04 |
| 1127 | 10.34 | 10.34 | 10.34 | 0.69 | 0.69 | 0.69 | - 67.64 | - 43.77 | + 2.54 | - 0.23 |
| 1130 | 36.18 | 36.16 | 36.16 | 0.60 | 0.60 | 0.60 | - 110.42 | - 37.48 | + 2.88 | - 1.94 |
| 177 | 6.75 | 6.75 | 6.75 | 0.49 | 0.49 | 0.49 | - 13.67 | + 33.06 | - 1.49 | - 1.04 |
| 1131 | 2.71 | 2.54 | 2.43 | 0.79 | 0.81 | 0.82 | - 58.24 | - 59.57 | + 0.36 | - 0.47 |
| 1132 | 17.45 | 17.41 | 17.40 | 0.68 | 0.68 | 0.68 | - 83.32 | - 47.40 | + 3.66 | - 0.69 |
| 173 | 21.80 | 21.91 | 21.92 | 0.56 | 0.57 | 0.57 | + 37.06 | + 1.19 | - 1.76 | - 0.32 |
| 1134 | 124.60 | 124.60 | 124.60 | 0.95 | 0.95 | 0.95 | - 37.49 | - 59.81 | + 0.40 | - 1.35 |
| 1133 | 5.97 | 6.13 | 6.18 | 0.83 | 0.84 | 0.84 | - 5.58 | + 1.17 | - 0.17 | - 0.32 |
| 1135 | 17.45 | 17.28 | 17.27 | 0.81 | 0.82 | 0.82 | - 20.52 | - 20.52 | - 1.39 | - 1.19 |
| 1138 | 4.63 | 4.59 | 4.58 | 0.47 | 0.47 | 0.47 | + 36.92 | + 13.57 | - 3.97 | - 0.52 |
| 181 | 6.16 | 6.33 | 6.37 | 0.94 | 0.96 | 0.96 | + 1.84 | - 5.91 | - 0.31 | - 0.50 |
| 917 | 9.37 | 9.34 | 9.34 | 0.48 | 0.48 | 0.48 | + 93.25 | - 12.51 | - 4.65 | - 0.29 |
| 1139 | 9.99 | 9.92 | 9.90 | 0.62 | 0.63 | 0.63 | - 105.83 | - 56.31 | + 3.49 | - 1.30 |
| 184 | 19.47 | 19.98 | 20.01 | 0.88 | 0.91 | 0.91 | - 10.87 | - 26.50 | - 1.45 | - 1.16 |
| 182 | 3.29 | 3.28 | 3.27 | 0.73 | 0.74 | 0.74 | + 23.01 | + 33.45 | + 0.97 | - 0.47 |
| 1140 | 8.84 | 8.28 | 8.15 | 0.92 | 0.96 | 0.97 | - 19.05 | - 34.97 | - 0.88 | - 1.11 |
| 187 | 6.78 | 6.86 | 6.88 | 0.50 | 0.50 | 0.50 | - 114.54 | + 1.47 | + 5.09 | - 3.20 |
| 186 | 14.91 | 14.45 | 14.39 | 0.67 | 0.68 | 0.68 | - 74.17 | - 57.56 | + 1.58 | - 0.13 |
| 189 | 85.77 | 85.83 | 85.83 | 0.46 | 0.46 | 0.46 | - 104.14 | + 25.82 | + 1.77 | - 2.53 |
| 185 | 14.82 | 14.87 | 14.87 | 0.73 | 0.74 | 0.74 | - 6.15 | + 0.21 | + 0.24 | + 0.00 |
| 1143 | 3.14 | 3.17 | 3.20 | 0.57 | 0.57 | 0.57 | - 99.80 | - 16.53 | + 4.09 | - 2.88 |
| 188 | 37.26 | 36.78 | 36.71 | 0.75 | 0.76 | 0.76 | - 62.49 | - 65.60 | - 0.09 | - 0.70 |
| 190 | 1.94 | 1.87 | 1.86 | 0.88 | 0.88 | 0.88 | - 62.84 | - 73.74 | + 0.22 | - 0.51 |
| 1144 | 19.12 | 17.80 | 17.69 | 0.69 | 0.71 | 0.71 | - 65.62 | - 69.04 | + 0.74 | - 0.21 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|------------|---------------------------------------|-------------------------------------|--|--|-----------|----------|----------|--------------|----------|----------------------|
| FK6 No. | $\varepsilon_{\alpha^*,sys}$ [mas] | $\varepsilon_{\delta,sys}$ [mas] | $\varepsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\varepsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 1110 | 11.05 | 9.76 | 0.35 | 0.23 | 1 | 1.30 | 2.37 | 1.22 | 2.73 | |
| 148 | 9.09 | 7.26 | 0.28 | 0.19 | 1 | 2.06 | 0.84 | 0.69 | 2.97 | 92 |
| 1114 | 12.93 | 10.40 | 0.41 | 0.26 | 1 | 2.21 | 1.12 | 1.03 | 1.20 | |
| 1111 | 6.91 | 6.95 | 0.25 | 0.17 | 1 | 2.06 | 2.84 | 1.08 | 3.29 | 93 |
| 151 | 7.64 | 6.78 | 0.26 | 0.17 | 1 | 0.64 | 2.79 | 3.00 | 3.09 | 94 |
| 1112 | 8.33 | 7.37 | 0.27 | 0.19 | 1 | 1.25 | 1.09 | 1.39 | 0.67 | 95 |
| 153 | 8.85 | 7.41 | 0.29 | 0.19 | 1 | 0.99 | 1.91 | 0.80 | 1.94 | 96 |
| 1113 | 10.11 | 8.18 | 0.31 | 0.23 | 1 | 1.88 | 0.56 | 1.13 | 2.13 | 97 |
| 1115 | 8.28 | 7.18 | 0.26 | 0.18 | 1 | 1.64 | 2.25 | 2.69 | 1.03 | 98 |
| 1116 | 8.52 | 7.06 | 0.28 | 0.19 | 1 | 1.33 | 1.88 | 1.48 | 0.51 | 99 |
| 154 | 7.30 | 6.85 | 0.25 | 0.16 | 1 | 2.33 | 1.67 | 2.14 | 1.63 | 100 |
| 155 | 10.00 | 8.26 | 0.31 | 0.20 | 1 | 2.62 | 0.76 | 0.57 | 2.62 | |
| 1118 | 7.30 | 6.75 | 0.26 | 0.16 | 1 | 0.72 | 2.13 | 0.64 | 1.68 | 101 |
| 157 | 10.44 | 8.06 | 0.32 | 0.22 | 1 | 0.91 | 1.75 | 1.00 | 2.00 | 102 |
| 166 | 15.88 | 13.66 | 0.52 | 0.33 | 1 | 4.32 | 2.51 | 2.82 | 1.96 | 103 |
| 158 | 8.98 | 7.11 | 0.28 | 0.19 | 1 | 2.29 | 1.42 | 1.07 | 2.04 | 104 |
| 161 | 8.66 | 7.34 | 0.29 | 0.20 | 1 | 2.70 | 2.12 | 0.98 | 1.07 | 105 |
| 163 | 11.15 | 10.24 | 0.36 | 0.22 | 1 | 1.51 | 1.18 | 1.80 | 0.59 | 106 |
| 1120 | 7.08 | 6.54 | 0.26 | 0.17 | 1 | 1.79 | 1.04 | 1.62 | 1.01 | 107 |
| 1121 | 9.03 | 7.50 | 0.29 | 0.19 | | 9.98 | 11.52 | 13.24 | 1.52 | |
| 1123 | 6.98 | 6.64 | 0.26 | 0.17 | 1 | 1.49 | 1.99 | 2.42 | 0.66 | 108 |
| 164 | 8.37 | 6.84 | 0.26 | 0.18 | 1 | 1.25 | 0.87 | 2.02 | 1.82 | 109 |
| 1122 | 12.76 | 10.54 | 0.45 | 0.26 | 1 | 1.40 | 0.48 | 0.70 | 1.57 | 110 |
| 167 | 9.80 | 7.37 | 0.29 | 0.20 | 1 | 1.91 | 2.35 | 2.45 | 0.84 | |
| 1124 | 9.53 | 7.40 | 0.30 | 0.20 | 1 | 2.34 | 0.40 | 0.73 | 2.84 | 111 |
| 170 | 8.78 | 7.36 | 0.29 | 0.19 | 1 | 1.38 | 0.99 | 1.66 | 1.97 | |
| 1127 | 8.72 | 6.99 | 0.30 | 0.19 | 1 | 0.74 | 1.27 | 1.61 | 1.51 | 112 |
| 1130 | 9.17 | 6.90 | 0.30 | 0.18 | 1 | 1.95 | 4.75 | 6.09 | 1.92 | 113 |
| 177 | 12.57 | 9.79 | 0.43 | 0.24 | 1 | 0.27 | 0.37 | 0.59 | 0.51 | 114 |
| 1131 | 7.72 | 6.28 | 0.26 | 0.15 | 1 | 2.81 | 0.70 | 1.86 | 2.41 | |
| 1132 | 9.05 | 6.58 | 0.30 | 0.18 | 1 | 2.19 | 3.33 | 2.72 | 3.88 | |
| 173 | 14.75 | 12.81 | 0.57 | 0.26 | 1 | 1.73 | 1.45 | 0.38 | 0.88 | 115 |
| 1134 | 8.04 | 6.11 | 0.26 | 0.16 | 1 | 2.16 | 1.16 | 1.68 | 2.66 | 116 |
| 1133 | 9.05 | 6.61 | 0.29 | 0.18 | 1 | 1.50 | 1.06 | 1.59 | 0.60 | 117 |
| 1135 | 8.91 | 6.47 | 0.26 | 0.17 | 1 | 1.84 | 2.10 | 3.63 | 0.54 | 118 |
| 1138 | 13.15 | 11.10 | 0.47 | 0.23 | 1 | 2.16 | 0.76 | 3.28 | 1.50 | |
| 181 | 9.00 | 6.71 | 0.29 | 0.18 | 1 | 1.38 | 0.93 | 0.39 | 1.03 | |
| 917 | 16.32 | 13.01 | 0.55 | 0.34 | 1 | 1.19 | 0.68 | 1.88 | 1.27 | |
| 1139 | 8.91 | 7.05 | 0.29 | 0.18 | 1 | 1.65 | 0.32 | 0.66 | 1.50 | |
| 184 | 9.20 | 6.54 | 0.28 | 0.18 | 1 | 2.42 | 2.10 | 3.12 | 0.67 | |
| 182 | 11.76 | 9.22 | 0.39 | 0.23 | 1 | 1.75 | 0.83 | 1.82 | 3.02 | 119 |
| 1140 | 9.28 | 6.30 | 0.26 | 0.16 | 1 | 2.45 | 1.89 | 2.68 | 1.00 | 120 |
| 187 | 10.13 | 7.13 | 0.30 | 0.21 | 1 | 3.21 | 1.14 | 1.95 | 2.36 | |
| 186 | 9.29 | 6.74 | 0.29 | 0.19 | | 4.84 | 7.59 | 8.90 | 2.46 | |
| 189 | 11.13 | 8.22 | 0.36 | 0.21 | 1 | 0.13 | 2.54 | 1.12 | 1.57 | |
| 185 | 9.82 | 7.27 | 0.30 | 0.19 | 1 | 2.15 | 0.25 | 1.48 | 2.97 | 121 |
| 1143 | 10.23 | 6.86 | 0.29 | 0.20 | 1 | 1.29 | 3.41 | 2.67 | 1.80 | |
| 188 | 8.25 | 6.08 | 0.26 | 0.16 | | 13.33 | 16.02 | 13.48 | 3.53 | 122 |
| 190 | 8.43 | 6.10 | 0.26 | 0.14 | 1 | 2.55 | 2.79 | 1.91 | 1.32 | 123 |
| 1144 | 9.50 | 6.50 | 0.27 | 0.16 | | 10.89 | 9.03 | 8.64 | 5.62 | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------|------------|-------------------|-----------------------------|-----------------------------|--|--------------------------------------|
| FK6 No. | HIP No. | Name | α (SI) 2000 h m s | δ (SI) 2000 ° ′ ″ | μ_{α^*} (SI) 2000 [mas/yr] | μ_{δ} (SI) 2000 [mas/yr] |
| 196 | 24372 | ϑ Dor | 5 13 45.455 224 | - 67 11 6.918 31 | + 18.88 | + 38.95 |
| 197 | 24659 | θ Col | 5 17 29.088 713 | - 34 53 42.738 71 | + 91.94 | - 335.57 |
| 1145 | 24813 | λ Aur | 5 19 8.474 884 | + 40 5 56.585 26 | + 519.88 | - 664.78 |
| 199 | 24829 | ζ Pic | 5 19 22.135 134 | - 50 36 21.482 58 | + 23.24 | + 227.39 |
| 198 | 24831 | 12 G. Col | 5 19 23.684 820 | - 27 22 7.987 77 | - 3.54 | - 8.76 |
| 1146 | 24845 | λ Lep | 5 19 34.525 131 | - 13 10 36.432 86 | - 1.40 | - 4.08 |
| 201 | 25336 | γ Ori | 5 25 7.863 395 | + 6 20 58.938 13 | - 8.18 | - 12.19 |
| 203 | 25769 | 17 Cam | 5 30 10.201 735 | + 63 4 1.991 52 | - 6.16 | - 5.02 |
| 1637 | 25911 | +85°74 Cep | 5 31 48.140 969 | + 85 56 18.699 82 | + 17.29 | - 77.18 |
| 1150 | 25973 | 18 Cam | 5 32 33.800 216 | + 57 13 15.853 34 | + 111.68 | - 224.85 |
| 210 | 26311 | ε Ori | 5 36 12.813 388 | - 1 12 6.915 47 | + 1.37 | - 1.51 |
| 1153 | 26495 | 35 G. Col | 5 38 6.903 979 | - 27 12 38.698 92 | - 4.20 | - 0.96 |
| 205 | 26638 | Grb 966 Cam | 5 39 43.705 463 | + 75 2 37.941 62 | - 7.05 | + 25.86 |
| 1660 | 26661 | 6 G. Oct | 5 39 59.153 923 | - 85 54 51.578 85 | - 20.96 | + 6.33 |
| 1154 | 27100 | δ Dor | 5 44 46.378 048 | - 65 44 7.881 88 | - 28.93 | + 7.46 |
| 219 | 27288 | ζ Lep | 5 46 57.340 684 | - 14 49 19.015 27 | - 15.00 | - 0.64 |
| 218 | 27338 | 130 Tau | 5 47 26.195 551 | + 17 43 44.910 09 | - 3.03 | - 4.53 |
| 220 | 27366 | κ Ori | 5 47 45.388 870 | - 9 40 10.577 73 | + 1.57 | - 1.26 |
| 1155 | 27435 | 142 G. Ori | 5 48 34.940 411 | - 4 5 40.723 19 | + 61.76 | - 229.55 |
| 1156 | 27530 | γ Pic | 5 49 49.662 386 | - 56 9 59.993 47 | + 81.69 | - 72.51 |
| 1159 | 27621 | 37 G. Pic | 5 50 53.220 737 | - 52 6 31.937 75 | + 2.30 | - 75.83 |
| 223 | 27628 | β Col | 5 50 57.592 933 | - 35 46 5.912 30 | + 55.80 | + 404.54 |
| 222 | 27654 | δ Lep | 5 51 19.295 453 | - 20 52 44.717 33 | + 228.44 | - 647.75 |
| 1157 | 27949 | ξ Aur | 5 54 50.775 535 | + 55 42 25.005 08 | - 9.99 | + 16.96 |
| 226 | 28103 | η Lep | 5 56 24.293 382 | - 14 10 3.712 40 | - 41.41 | + 139.95 |
| 229 | 28328 | η Col | 5 59 8.805 604 | - 42 48 54.480 67 | + 18.97 | - 10.64 |
| 1162 | 28429 | +33°1209 Aur | 6 0 14.419 841 | + 33 8 12.959 57 | - 5.54 | - 0.71 |
| 1638 | 28532 | Grb 944 Cep | 6 1 20.273 408 | + 85 10 55.602 48 | + 14.69 | - 2.59 |
| 230 | 28814 | 66 Ori | 6 4 58.359 926 | + 4 9 31.209 93 | + 0.04 | - 3.08 |
| 1164 | 28899 | 74 G. Col | 6 6 5.538 960 | - 29 45 31.045 28 | + 10.85 | - 41.73 |
| 1166 | 29134 | ν Dor | 6 8 44.261 917 | - 68 50 36.273 61 | - 50.87 | + 19.68 |
| 239 | 29271 | α Men | 6 10 14.473 258 | - 74 45 10.960 28 | + 121.70 | - 212.54 |
| 233 | 29490 | 36 Cam | 6 12 51.062 180 | + 65 43 6.316 10 | + 6.62 | - 32.13 |
| 1168 | 29696 | κ Aur | 6 15 22.688 201 | + 29 29 53.079 00 | - 72.17 | - 261.14 |
| 238 | 29807 | κ Col | 6 16 33.135 317 | - 35 8 25.868 17 | - 0.06 | + 87.48 |
| 234 | 29997 | 22 H. Cam | 6 18 50.779 436 | + 69 19 11.199 77 | - 0.12 | - 105.74 |
| 243 | 30324 | β CMa | 6 22 41.985 000 | - 17 57 21.299 55 | - 3.91 | + 0.02 |
| 241 | 30343 | μ Gem | 6 22 57.626 441 | + 22 30 48.899 11 | + 55.87 | - 110.01 |
| 245 | 30438 | α Car | 6 23 57.109 295 | - 52 41 44.381 17 | + 19.37 | + 23.27 |
| 1171 | 30457 | 23 G. CMa | 6 24 10.320 305 | - 11 31 48.321 88 | - 55.29 | - 32.78 |
| 242 | 30520 | ψ^1 Aur | 6 24 53.901 495 | + 49 17 16.414 66 | - 0.49 | - 2.48 |
| 1172 | 30640 | Grb 1156 Aur | 6 26 21.601 260 | + 41 57 34.249 43 | - 3.14 | - 4.00 |
| 1662 | 30678 | A Oct | 6 26 47.214 064 | - 88 44 37.304 78 | - 1.40 | + 15.74 |
| 246 | 30772 | 10 Mon | 6 27 57.569 385 | - 4 45 43.750 56 | - 4.47 | - 2.53 |
| 1174 | 31216 | 13 Mon | 6 32 54.228 234 | + 7 19 58.676 71 | - 2.31 | - 5.56 |
| 1175 | 31278 | 56 G. Mon | 6 33 37.921 373 | - 1 13 12.559 70 | + 1.00 | - 18.51 |
| 247 | 31676 | 8 Lyn | 6 37 41.385 924 | + 61 28 52.444 38 | - 208.15 | - 273.90 |
| 252 | 31685 | ν Pup | 6 37 45.671 517 | - 43 11 45.362 28 | - 0.21 | - 4.13 |
| 250 | 31771 | 51 Aur | 6 38 39.536 956 | + 39 23 27.068 08 | - 22.89 | - 108.27 |
| 264 | 31897 | ζ Men | 6 40 2.887 243 | - 80 48 48.934 64 | - 5.87 | + 53.23 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|---------------------------------------|--|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | $\varepsilon_{\alpha*}$ (SI) [mas] | $\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 196 | 91.52 | 0.48 | 0.39 | 91.30 | 0.45 | 0.40 | 5.97 | 0.48 | H | + 10.5 | 4.81 | | 39 | | |
| 197 | 91.06 | 0.39 | 0.35 | 91.25 | 0.45 | 0.37 | 29.63 | 0.54 | H | + 21.1 | 4.81 | | 29 | 2 | |
| 1145 | 90.79 | 0.75 | 0.36 | 90.87 | 0.45 | 0.29 | 79.08 | 0.90 | H | + 66.4 | 4.69 | | 15 | 1 | 3 |
| 199 | 91.19 | 0.43 | 0.38 | 91.24 | 0.48 | 0.42 | 27.70 | 0.50 | H | + 45.1 | 5.44 | | 11 | 1 | 3 |
| 198 | 91.30 | 0.37 | 0.36 | 91.22 | 0.44 | 0.41 | 7.31 | 0.61 | H | + 18.0 | 5.98 | | 21 | 2 | |
| 1146 | 90.86 | 0.54 | 0.34 | 90.98 | 0.44 | 0.34 | 2.51 | 0.29 | P | + 20.2 | 4.29 | | 31 | | |
| 201 | 91.09 | 0.94 | 0.28 | 90.63 | 0.48 | 0.25 | 13.42 | 0.98 | H | + 18.2 | 1.64 | 1 | 39 | | |
| 203 | 91.40 | 0.47 | 0.31 | 91.35 | 0.45 | 0.29 | 3.50 | 0.68 | H | - 18.5 | 5.43 | 1 | 19 | | 1 |
| 1637 | 91.41 | 0.45 | 0.37 | 91.25 | 0.47 | 0.36 | 10.05 | 0.56 | H | - 6.0 | 6.50 | | 28 | 2 | |
| 1150 | 91.51 | 0.61 | 0.42 | 91.63 | 0.45 | 0.34 | 22.79 | 0.81 | H | + 36.7 | 6.44 | | 29 | 2 | |
| 210 | 90.83 | 0.63 | 0.22 | 90.82 | 0.35 | 0.22 | 2.28 | 0.26 | P | + 25.9 | 1.69 | 1 | 19 | | 1 |
| 1153 | 91.33 | 0.40 | 0.40 | 91.34 | 0.52 | 0.51 | 1.39 | 0.67 | H | + 22.8 | 6.53 | | 31 | | |
| 205 | 91.22 | 0.38 | 0.26 | 91.31 | 0.45 | 0.26 | 5.63 | 0.59 | H | - 3.0 | 6.19 | 1 | 19 | | 1 |
| 1660 | 91.19 | 0.48 | 0.38 | 91.10 | 0.49 | 0.35 | 7.33 | 0.54 | H | + 9.5 | 6.77 | | 11 | 1 | 3 |
| 1154 | 91.64 | 0.40 | 0.31 | 91.42 | 0.43 | 0.38 | 22.48 | 0.46 | H | - 3.0 | 4.34 | | 21 | 2 | |
| 219 | 91.07 | 0.49 | 0.31 | 91.00 | 0.39 | 0.30 | 46.47 | 0.68 | H | + 18.6 | 3.55 | | 29 | 2 | |
| 218 | 91.27 | 0.85 | 0.32 | 91.58 | 0.42 | 0.28 | 3.52 | 0.41 | P | + 9.0 | 5.47 | | 11 | 1 | 3 |
| 220 | 91.38 | 0.58 | 0.24 | 91.21 | 0.45 | 0.23 | 4.52 | 0.77 | H | + 20.5 | 2.07 | 1 | 29 | 2 | |
| 1155 | 91.59 | 0.94 | 0.44 | 91.54 | 0.66 | 0.42 | 64.25 | 1.19 | H | + 31.2 | 5.97 | | 21 | 2 | |
| 1156 | 91.10 | 0.44 | 0.43 | 91.17 | 0.44 | 0.46 | 18.78 | 0.47 | H | + 15.7 | 4.50 | | 11 | 1 | 3 |
| 1159 | 91.16 | 0.44 | 0.44 | 91.17 | 0.44 | 0.43 | 12.33 | 0.47 | H | + 1.3 | 5.16 | | 15 | 1 | 3 |
| 223 | 91.22 | 0.45 | 0.36 | 91.37 | 0.43 | 0.34 | 37.94 | 0.57 | H | + 88.9 | 3.12 | | 19 | | 1 |
| 222 | 91.49 | 0.43 | 0.35 | 91.25 | 0.41 | 0.34 | 29.05 | 0.62 | H | + 99.3 | 3.76 | | 31 | | |
| 1157 | 91.21 | 0.62 | 0.42 | 91.35 | 0.44 | 0.32 | 13.54 | 0.72 | H | - 11.8 | 4.96 | | 29 | 2 | |
| 226 | 91.07 | 0.48 | 0.31 | 91.04 | 0.42 | 0.32 | 66.47 | 0.74 | H | - 1.5 | 3.71 | | 31 | | |
| 229 | 91.30 | 0.44 | 0.37 | 91.37 | 0.43 | 0.37 | 6.14 | 0.52 | H | + 17.0 | 3.96 | | 21 | 2 | |
| 1162 | 91.06 | 0.84 | 0.47 | 91.84 | 0.38 | 0.38 | 3.29 | 0.38 | P | - 3.7 | 6.84 | | 11 | 1 | 3 |
| 1638 | 91.14 | 0.42 | 0.34 | 91.24 | 0.45 | 0.32 | 2.44 | 0.53 | H | - 45.5 | 6.17 | 1 | 19 | | 1 |
| 230 | 91.18 | 0.68 | 0.31 | 91.48 | 0.42 | 0.30 | 1.31 | 0.76 | H | + 33.2 | 5.63 | | 39 | | |
| 1164 | 91.29 | 0.40 | 0.38 | 91.48 | 0.44 | 0.39 | 12.25 | 0.56 | H | + 7.0 | 5.79 | | 19 | | 1 |
| 1166 | 91.47 | 0.49 | 0.47 | 91.18 | 0.43 | 0.44 | 11.78 | 0.48 | H | + 17.5 | 5.06 | | 19 | | 1 |
| 239 | 91.37 | 0.43 | 0.36 | 91.27 | 0.43 | 0.38 | 98.54 | 0.45 | H | + 34.9 | 5.08 | | 11 | 1 | 3 |
| 233 | 91.45 | 0.39 | 0.30 | 91.37 | 0.40 | 0.29 | 5.08 | 0.61 | H | + 6.5 | 5.36 | | 18 | | |
| 1168 | 90.96 | 0.79 | 0.36 | 91.35 | 0.47 | 0.32 | 19.31 | 0.83 | H | + 20.3 | 4.32 | | 11 | 1 | 3 |
| 238 | 91.30 | 0.42 | 0.36 | 91.30 | 0.45 | 0.34 | 17.83 | 0.55 | H | + 24.2 | 4.37 | | 31 | | |
| 234 | 91.28 | 0.29 | 0.23 | 91.42 | 0.40 | 0.25 | 18.55 | 0.64 | H | - 7.0 | 4.76 | | 29 | 2 | |
| 243 | 91.34 | 0.49 | 0.25 | 91.42 | 0.44 | 0.26 | 6.53 | 0.66 | H | + 33.7 | 1.98 | 1 | 29 | 2 | |
| 241 | 91.16 | 0.81 | 0.23 | 91.67 | 0.46 | 0.22 | 14.07 | 0.93 | H | + 54.8 | 2.87 | 2 | 23 | 2 | |
| 245 | 91.45 | 0.49 | 0.34 | 91.08 | 0.45 | 0.35 | 10.43 | 0.53 | H | + 20.5 | -0.62 | 2 | 33 | | |
| 1171 | 91.64 | 0.56 | 0.45 | 91.69 | 0.41 | 0.40 | 7.76 | 0.74 | H | - 26.1 | 5.21 | | 19 | | 1 |
| 242 | 90.91 | 0.60 | 0.33 | 91.13 | 0.42 | 0.29 | 2.00 | 0.50 | P | + 4.7 | 4.92 | 2 | 29 | 2 | |
| 1172 | 91.34 | 0.76 | 0.47 | 91.71 | 0.47 | 0.41 | 2.33 | 0.92 | H | - 8.0 | 7.07 | | 11 | 1 | 3 |
| 1662 | 91.43 | 0.54 | 0.40 | 91.35 | 0.53 | 0.38 | 4.28 | 0.61 | H | + 9.0 | 7.36 | | 19 | | 1 |
| 246 | 91.36 | 0.62 | 0.27 | 91.38 | 0.49 | 0.27 | 2.41 | 0.78 | H | + 24.5 | 5.06 | | 29 | 2 | |
| 1174 | 91.05 | 0.74 | 0.35 | 91.19 | 0.53 | 0.33 | 2.25 | 0.26 | P | + 12.3 | 4.47 | 1 | 11 | 1 | 3 |
| 1175 | 91.69 | 0.65 | 0.41 | 91.48 | 0.49 | 0.39 | 6.08 | 0.79 | H | + 25.0 | 5.09 | | 29 | 2 | |
| 247 | 91.21 | 0.61 | 0.34 | 91.44 | 0.51 | 0.31 | 18.82 | 0.82 | H | - 47.8 | 5.94 | | 15 | 1 | 3 |
| 252 | 91.26 | 0.42 | 0.34 | 91.49 | 0.50 | 0.39 | 7.71 | 0.52 | H | + 28.2 | 3.17 | 1 | 18 | | |
| 250 | 91.26 | 0.72 | 0.35 | 91.70 | 0.45 | 0.30 | 10.30 | 0.94 | H | + 32.8 | 5.70 | | 11 | 1 | 3 |
| 264 | 91.32 | 0.47 | 0.42 | 91.41 | 0.40 | 0.36 | 8.07 | 0.47 | H | + 7.0 | 5.61 | | 29 | 2 | |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------------|--|---------|---------|----------|--------------------------------------|---------|---------|----------|
| FK6 No. | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 196 | + 4.72 | - 4.63 | - 5.90 | - 57.79 | - 1.97 | - 0.10 | + 0.07 | - 158.12 |
| 197 | - 40.03 | + 14.68 | + 15.84 | - 145.91 | + 5.14 | - 7.88 | - 8.51 | + 12.22 |
| 1145 | - 17.41 | - 4.72 | - 4.99 | - 57.37 | + 5.97 | + 0.41 | + 0.41 | + 33.73 |
| 199 | - 1.47 | - 1.93 | - 2.11 | - 42.80 | + 0.02 | - 0.07 | - 0.07 | + 0.24 |
| 198 | - 0.88 | + 0.60 | + 0.67 | + 17.85 | - 5.77 | + 4.72 | + 5.86 | - 3.19 |
| 1146 | - 0.25 | - 6.63 | - 9.67 | - 75.44 | + 3.73 | - 4.18 | - 5.74 | + 59.63 |
| 201 | - 11.11 | - 4.00 | - 4.95 | - 54.69 | - 7.59 | - 9.16 | - 10.09 | - 54.38 |
| 203 | - 1.01 | + 1.63 | + 2.06 | - 4.63 | + 0.41 | + 1.73 | + 2.16 | + 37.06 |
| 1637 | + 2.26 | - 0.08 | - 0.16 | + 35.10 | - 11.52 | + 2.02 | + 2.46 | - 257.22 |
| 1150 | + 2.54 | + 2.79 | + 3.05 | + 16.20 | + 25.98 | + 1.77 | + 1.85 | + 175.25 |
| 210 | + 0.52 | + 0.40 | + 0.81 | + 18.85 | - 0.11 | + 3.28 | + 4.10 | + 21.62 |
| 1153 | - 0.44 | + 1.45 | + 2.95 | + 140.41 | - 1.05 | + 1.13 | + 3.23 | - 2.05 |
| 205 | + 1.17 | - 2.05 | - 2.32 | - 0.09 | - 0.40 | - 3.59 | - 4.11 | - 40.54 |
| 1660 | + 1.44 | + 1.99 | + 2.25 | + 101.58 | - 0.52 | + 4.33 | + 5.04 | + 85.34 |
| 1154 | - 9.11 | + 4.21 | + 4.54 | + 15.15 | + 16.49 | - 10.42 | - 11.45 | - 2.90 |
| 219 | - 17.63 | + 1.39 | + 1.58 | - 80.76 | + 2.46 | - 4.69 | - 4.87 | + 0.50 |
| 218 | - 2.73 | + 5.44 | + 8.57 | - 31.41 | - 1.21 | - 1.99 | - 2.28 | - 51.67 |
| 220 | + 2.90 | - 0.12 | - 0.21 | + 31.10 | - 2.42 | + 0.45 | + 0.53 | - 50.58 |
| 1155 | + 5.39 | + 4.11 | + 5.18 | + 26.46 | + 40.52 | - 7.89 | - 9.13 | + 318.28 |
| 1156 | + 2.82 | - 0.63 | - 0.72 | + 11.15 | - 7.40 | + 5.64 | + 6.53 | + 36.98 |
| 1159 | + 1.10 | + 0.91 | + 1.10 | + 43.07 | + 8.41 | - 3.36 | - 4.07 | - 3.52 |
| 223 | + 2.23 | - 0.46 | - 0.55 | + 15.90 | - 7.28 | + 0.96 | + 1.04 | - 97.97 |
| 222 | - 15.49 | + 3.97 | + 4.39 | - 77.98 | - 8.16 | - 1.61 | - 1.71 | - 84.42 |
| 1157 | - 23.23 | + 45.69 | + 55.34 | - 103.50 | + 23.60 | + 1.34 | + 3.06 | + 127.08 |
| 226 | - 7.69 | - 6.52 | - 7.04 | - 30.37 | - 5.49 | - 7.63 | - 8.15 | - 45.52 |
| 229 | + 3.00 | - 3.09 | - 3.77 | - 24.24 | + 4.04 | - 5.72 | - 6.91 | - 155.19 |
| 1162 | - 2.95 | + 0.50 | + 1.49 | - 64.30 | + 0.21 | + 0.98 | + 1.47 | + 44.70 |
| 1638 | - 0.28 | - 0.17 | - 0.26 | - 24.03 | + 0.17 | + 4.18 | + 6.11 | + 132.97 |
| 230 | - 1.54 | + 1.02 | + 2.17 | - 50.49 | - 1.94 | + 3.56 | + 5.94 | - 4.70 |
| 1164 | - 4.43 | + 0.69 | + 0.78 | - 38.43 | + 5.73 | + 0.32 | + 0.32 | + 138.86 |
| 1166 | + 1.33 | - 0.17 | - 0.25 | + 12.66 | - 1.28 | + 0.00 | + 0.00 | - 50.86 |
| 239 | + 2.29 | + 1.13 | + 1.21 | + 31.00 | + 0.49 | - 2.09 | - 2.27 | - 38.69 |
| 233 | - 2.55 | + 4.43 | + 5.20 | + 4.81 | - 2.50 | + 2.85 | + 3.28 | - 1.37 |
| 1168 | - 3.28 | + 9.57 | + 11.27 | - 12.02 | - 10.78 | - 4.55 | - 5.07 | - 61.41 |
| 238 | - 16.19 | + 3.56 | + 3.91 | - 113.11 | + 1.34 | + 0.84 | + 0.84 | + 46.38 |
| 234 | + 19.59 | - 11.92 | - 12.32 | + 23.50 | - 6.98 | + 32.83 | + 34.27 | + 65.26 |
| 243 | - 12.13 | + 3.27 | + 4.06 | - 144.15 | + 2.21 | - 3.64 | - 4.25 | + 32.49 |
| 241 | - 7.25 | + 5.71 | + 7.98 | - 27.58 | - 2.22 | + 8.42 | + 9.96 | - 9.16 |
| 245 | + 5.55 | + 4.74 | + 5.24 | + 107.54 | + 1.18 | + 3.16 | + 3.52 | + 65.55 |
| 1171 | + 4.31 | - 1.41 | - 2.24 | + 61.10 | - 5.41 | + 4.40 | + 5.57 | - 47.50 |
| 242 | - 5.21 | + 6.13 | + 11.91 | - 109.52 | + 0.75 | + 0.86 | + 0.15 | + 67.98 |
| 1172 | - 1.07 | - 0.33 | - 0.33 | - 36.22 | - 1.12 | + 0.18 | + 0.34 | - 44.22 |
| 1662 | + 2.63 | - 0.78 | - 1.12 | + 116.36 | + 1.61 | + 0.00 | + 0.00 | + 135.97 |
| 246 | - 1.66 | + 1.46 | + 2.17 | - 33.81 | + 5.34 | - 3.73 | - 5.29 | + 187.36 |
| 1174 | + 2.81 | - 6.92 | - 14.02 | + 41.75 | + 0.36 | - 0.02 | - 2.30 | + 57.08 |
| 1175 | - 11.32 | + 6.70 | + 9.44 | - 137.70 | - 6.27 | + 5.10 | + 7.06 | - 77.42 |
| 247 | + 0.81 | - 0.47 | - 0.66 | + 5.47 | - 4.53 | - 5.36 | - 5.70 | - 40.96 |
| 252 | + 0.32 | - 1.66 | - 1.92 | - 17.64 | + 2.63 | + 1.01 | + 1.18 | + 67.38 |
| 250 | - 1.46 | + 4.68 | + 7.28 | - 11.22 | - 5.69 | + 4.97 | + 6.47 | - 47.20 |
| 264 | - 18.51 | + 5.47 | + 6.86 | - 233.36 | + 0.31 | + 1.18 | + 1.17 | + 119.29 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|---|--------|--------|--------|---------|---|--------|--------|--------|---------|
| FK6 | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| No. | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 196 | + 0.94 | - 0.55 | - 0.70 | + 0.11 | + 1.94 | + 0.19 | - 0.01 | + 0.01 | - 1.89 | + 1.26 |
| 197 | - 3.18 | + 1.64 | + 1.77 | - 5.08 | - 1.94 | + 0.62 | - 0.89 | - 0.96 | + 0.76 | + 0.64 |
| 1145 | - 0.17 | - 0.52 | - 0.55 | - 0.75 | + 0.74 | + 0.05 | + 0.04 | + 0.04 | + 0.38 | - 0.21 |
| 199 | + 0.38 | - 0.22 | - 0.24 | - 0.28 | + 0.94 | + 0.00 | - 0.01 | - 0.01 | + 0.01 | + 0.00 |
| 198 | - 0.23 | + 0.07 | + 0.08 | + 0.04 | - 0.48 | - 0.76 | + 0.54 | + 0.67 | - 0.88 | - 0.99 |
| 1146 | + 0.33 | - 0.75 | - 1.09 | - 0.66 | + 1.20 | + 0.36 | - 0.48 | - 0.66 | + 1.24 | + 0.18 |
| 201 | - 0.16 | - 0.46 | - 0.57 | - 0.72 | + 0.40 | + 0.08 | - 0.99 | - 1.09 | - 0.45 | + 0.49 |
| 203 | - 0.11 | + 0.19 | + 0.24 | - 0.19 | - 0.10 | - 0.12 | + 0.20 | + 0.25 | + 0.31 | - 0.44 |
| 1637 | + 0.03 | - 0.01 | - 0.02 | + 0.51 | - 0.28 | - 0.25 | + 0.23 | + 0.28 | - 3.37 | + 0.92 |
| 1150 | - 0.06 | + 0.33 | + 0.36 | + 0.17 | - 0.34 | + 0.23 | + 0.21 | + 0.22 | + 2.30 | - 2.04 |
| 210 | + 0.00 | + 0.07 | + 0.12 | + 0.20 | - 0.11 | - 0.10 | + 0.36 | + 0.45 | + 0.10 | - 0.21 |
| 1153 | - 0.24 | + 0.17 | + 0.34 | + 2.10 | - 1.91 | - 0.14 | + 0.13 | + 0.37 | - 0.37 | - 0.40 |
| 205 | + 0.17 | - 0.23 | - 0.26 | + 0.17 | + 0.20 | + 0.16 | - 0.41 | - 0.47 | - 0.25 | + 0.38 |
| 1660 | - 0.29 | + 0.23 | + 0.26 | + 1.03 | - 1.15 | - 0.33 | + 0.49 | + 0.57 | + 0.64 | - 0.72 |
| 1154 | - 1.51 | + 0.51 | + 0.55 | - 1.22 | - 2.01 | + 2.21 | - 1.22 | - 1.34 | + 2.14 | + 2.63 |
| 219 | - 0.26 | + 0.14 | + 0.16 | - 1.07 | + 0.57 | + 0.38 | - 0.52 | - 0.54 | + 0.37 | + 0.43 |
| 218 | - 0.14 | + 0.62 | + 0.98 | - 0.62 | + 0.12 | + 0.11 | - 0.23 | - 0.26 | - 0.53 | + 0.50 |
| 220 | + 0.04 | - 0.01 | - 0.02 | + 0.40 | - 0.20 | - 0.04 | + 0.05 | + 0.06 | - 0.59 | + 0.18 |
| 1155 | + 0.12 | + 0.50 | + 0.63 | + 0.49 | - 0.19 | + 1.03 | - 0.94 | - 1.09 | + 5.46 | - 1.31 |
| 1156 | + 0.29 | - 0.07 | - 0.08 | + 0.48 | + 0.24 | - 1.22 | + 0.64 | + 0.74 | - 0.71 | - 1.86 |
| 1159 | - 0.14 | + 0.10 | + 0.12 | + 0.63 | - 0.72 | + 1.12 | - 0.38 | - 0.46 | + 1.15 | + 1.52 |
| 223 | + 0.06 | - 0.05 | - 0.06 | + 0.26 | - 0.09 | - 0.19 | + 0.11 | + 0.12 | - 1.24 | + 0.29 |
| 222 | - 0.40 | + 0.46 | + 0.51 | - 1.33 | + 0.42 | + 0.02 | - 0.17 | - 0.18 | - 1.00 | + 0.80 |
| 1157 | - 1.91 | + 5.24 | + 6.34 | - 3.66 | - 1.32 | + 1.30 | + 0.06 | + 0.24 | + 2.86 | + 0.15 |
| 226 | + 0.01 | - 0.76 | - 0.82 | - 0.31 | + 0.41 | + 0.20 | - 0.87 | - 0.93 | - 0.28 | + 0.60 |
| 229 | + 0.54 | - 0.36 | - 0.44 | + 0.22 | + 0.98 | + 0.86 | - 0.67 | - 0.81 | - 1.00 | + 1.85 |
| 1162 | - 0.06 | + 0.05 | + 0.16 | - 1.28 | + 0.64 | - 0.12 | + 0.12 | + 0.18 | + 0.59 | - 0.60 |
| 1638 | + 0.02 | - 0.02 | - 0.03 | - 0.30 | + 0.24 | - 0.19 | + 0.48 | + 0.70 | + 1.26 | - 0.81 |
| 230 | - 0.05 | + 0.11 | + 0.24 | - 0.83 | + 0.39 | - 0.25 | + 0.42 | + 0.70 | - 0.44 | - 0.42 |
| 1164 | - 0.22 | + 0.08 | + 0.09 | - 0.84 | + 0.19 | + 0.00 | + 0.04 | + 0.04 | + 1.86 | - 1.14 |
| 1166 | + 0.11 | - 0.02 | - 0.03 | + 0.37 | + 0.00 | - 0.01 | + 0.00 | + 0.00 | - 0.83 | + 0.45 |
| 239 | - 0.20 | + 0.13 | + 0.14 | + 0.30 | - 0.68 | + 0.46 | - 0.24 | - 0.26 | - 0.07 | + 0.88 |
| 233 | - 0.42 | + 0.52 | + 0.61 | - 0.37 | - 0.60 | - 0.33 | + 0.33 | + 0.38 | - 0.36 | - 0.40 |
| 1168 | - 0.19 | + 1.08 | + 1.27 | - 0.36 | - 0.08 | + 0.03 | - 0.53 | - 0.59 | - 0.65 | + 0.84 |
| 238 | - 0.75 | + 0.41 | + 0.45 | - 2.24 | + 0.34 | - 0.13 | + 0.10 | + 0.10 | + 0.41 | - 0.40 |
| 234 | + 2.30 | - 1.47 | - 1.52 | + 2.42 | + 2.39 | - 2.08 | + 3.92 | + 4.09 | - 1.32 | - 2.74 |
| 243 | - 0.22 | + 0.37 | + 0.46 | - 1.83 | + 0.62 | + 0.12 | - 0.42 | - 0.49 | + 0.49 | + 0.02 |
| 241 | - 0.08 | + 0.70 | + 0.97 | - 0.34 | + 0.19 | - 0.11 | + 1.03 | + 1.22 | - 0.20 | - 0.08 |
| 245 | - 0.29 | + 0.56 | + 0.62 | + 0.91 | - 1.32 | - 0.22 | + 0.36 | + 0.40 | + 0.45 | - 0.66 |
| 1171 | + 0.05 | - 0.17 | - 0.27 | + 1.07 | - 0.59 | - 0.43 | + 0.53 | + 0.67 | - 1.19 | - 0.18 |
| 242 | - 0.22 | + 0.67 | + 1.31 | - 1.88 | + 0.82 | - 0.10 | + 0.09 | + 0.00 | + 0.73 | - 0.60 |
| 1172 | - 0.01 | - 0.04 | - 0.04 | - 0.66 | + 0.40 | - 0.05 | + 0.02 | + 0.04 | - 0.80 | + 0.30 |
| 1662 | + 0.10 | - 0.09 | - 0.13 | + 1.48 | - 0.52 | + 0.03 | + 0.00 | + 0.00 | + 1.51 | - 0.38 |
| 246 | - 0.06 | + 0.16 | + 0.24 | - 0.55 | + 0.14 | + 0.19 | - 0.43 | - 0.61 | + 2.64 | - 0.53 |
| 1174 | + 0.23 | - 0.78 | - 1.58 | + 1.06 | + 0.01 | - 0.14 | + 0.01 | - 0.24 | + 0.68 | - 0.69 |
| 1175 | - 0.55 | + 0.81 | + 1.14 | - 3.26 | + 0.51 | - 0.50 | + 0.60 | + 0.83 | - 1.90 | - 0.11 |
| 247 | - 0.01 | - 0.04 | - 0.06 | + 0.06 | - 0.08 | + 0.17 | - 0.63 | - 0.67 | - 0.28 | + 0.58 |
| 252 | + 0.20 | - 0.19 | - 0.22 | - 0.02 | + 0.46 | + 0.00 | + 0.12 | + 0.14 | + 0.77 | - 0.52 |
| 250 | + 0.00 | + 0.54 | + 0.84 | - 0.17 | + 0.12 | - 0.24 | + 0.60 | + 0.78 | - 0.80 | + 0.06 |
| 264 | - 0.95 | + 0.63 | + 0.79 | - 4.27 | + 1.30 | - 0.35 | + 0.14 | + 0.14 | + 1.05 | - 1.16 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------|------------|-------|-------|-------|--------------------------------|------|------|-------|---------------------------------------|------|------|------|---------|
| FK6 | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu,\alpha^*}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 196 | 87.69 | 91.53 | 91.53 | 59.62 | 8.70 | 0.48 | 0.48 | 25.86 | 0.62 | 0.48 | 0.50 | 1.05 | 0.81 |
| 197 | 81.33 | 91.06 | 91.06 | 59.09 | 13.46 | 0.39 | 0.39 | 24.25 | 0.63 | 0.42 | 0.43 | 0.93 | 0.76 |
| 1145 | 73.75 | 90.85 | 90.85 | 57.55 | 12.32 | 0.77 | 0.77 | 17.11 | 0.47 | 0.84 | 0.87 | 0.62 | 0.51 |
| 199 | 82.71 | 91.19 | 91.19 | 58.19 | 13.77 | 0.43 | 0.43 | 27.09 | 0.70 | 0.45 | 0.46 | 1.10 | 0.82 |
| 198 | 86.76 | 91.30 | 91.30 | 57.56 | 9.43 | 0.37 | 0.37 | 25.83 | 0.60 | 0.43 | 0.44 | 0.99 | 0.77 |
| 1146 | 87.53 | 90.86 | 90.86 | 53.34 | 5.80 | 0.56 | 0.56 | 18.76 | 0.39 | 0.54 | 0.62 | 0.69 | 0.50 |
| 201 | 73.86 | 91.24 | 91.24 | 47.99 | 10.09 | 0.94 | 0.94 | 15.92 | 0.34 | 0.90 | 0.99 | 0.48 | 0.37 |
| 203 | 86.24 | 91.43 | 91.43 | 57.30 | 6.61 | 0.47 | 0.47 | 17.17 | 0.39 | 0.47 | 0.51 | 0.62 | 0.50 |
| 1637 | 84.88 | 91.43 | 91.43 | 52.53 | 10.63 | 0.45 | 0.45 | 26.20 | 0.55 | 0.50 | 0.52 | 0.91 | 0.67 |
| 1150 | 80.31 | 91.52 | 91.52 | 62.61 | 12.05 | 0.61 | 0.61 | 19.48 | 0.59 | 0.71 | 0.74 | 0.83 | 0.67 |
| 210 | 84.40 | 90.93 | 90.93 | 34.93 | 5.47 | 0.67 | 0.67 | 15.82 | 0.24 | 0.63 | 0.80 | 0.42 | 0.28 |
| 1153 | 90.28 | 91.34 | 91.34 | 60.94 | 4.47 | 0.40 | 0.40 | 24.62 | 0.54 | 0.46 | 0.51 | 1.15 | 0.81 |
| 205 | 83.42 | 91.23 | 91.23 | 42.38 | 8.23 | 0.38 | 0.38 | 20.57 | 0.36 | 0.39 | 0.40 | 0.64 | 0.42 |
| 1660 | 86.56 | 91.20 | 91.20 | 48.66 | 9.57 | 0.48 | 0.48 | 28.86 | 0.55 | 0.52 | 0.54 | 0.95 | 0.68 |
| 1154 | 83.06 | 91.65 | 91.65 | 59.15 | 13.18 | 0.40 | 0.40 | 26.07 | 0.66 | 0.35 | 0.35 | 0.99 | 0.80 |
| 219 | 72.40 | 91.10 | 91.10 | 47.34 | 12.99 | 0.50 | 0.50 | 19.82 | 0.41 | 0.62 | 0.63 | 0.59 | 0.45 |
| 218 | 85.35 | 91.38 | 91.38 | 55.89 | 6.58 | 0.86 | 0.86 | 16.08 | 0.36 | 0.71 | 0.85 | 0.56 | 0.45 |
| 220 | 80.61 | 91.55 | 91.55 | 45.55 | 7.10 | 0.64 | 0.64 | 14.69 | 0.28 | 0.60 | 0.67 | 0.44 | 0.32 |
| 1155 | 76.78 | 91.69 | 91.69 | 58.65 | 13.13 | 0.94 | 0.94 | 19.69 | 0.59 | 0.96 | 1.02 | 0.90 | 0.60 |
| 1156 | 85.38 | 91.11 | 91.11 | 62.79 | 12.97 | 0.44 | 0.44 | 28.56 | 0.82 | 0.50 | 0.51 | 1.37 | 1.01 |
| 1159 | 87.27 | 91.16 | 91.16 | 63.41 | 11.69 | 0.44 | 0.44 | 30.91 | 0.86 | 0.49 | 0.50 | 1.50 | 1.11 |
| 223 | 79.86 | 91.22 | 91.22 | 52.38 | 14.14 | 0.45 | 0.45 | 26.11 | 0.58 | 0.49 | 0.50 | 0.89 | 0.67 |
| 222 | 76.80 | 91.49 | 91.49 | 53.52 | 12.67 | 0.43 | 0.43 | 20.48 | 0.49 | 0.61 | 0.63 | 0.71 | 0.54 |
| 1157 | 80.59 | 91.21 | 91.21 | 60.82 | 10.54 | 0.63 | 0.63 | 17.81 | 0.53 | 0.82 | 0.88 | 0.82 | 0.59 |
| 226 | 71.48 | 91.17 | 91.17 | 52.25 | 12.37 | 0.50 | 0.50 | 17.38 | 0.43 | 0.63 | 0.65 | 0.59 | 0.45 |
| 229 | 87.19 | 91.31 | 91.31 | 57.12 | 8.78 | 0.44 | 0.44 | 25.45 | 0.58 | 0.46 | 0.48 | 0.99 | 0.74 |
| 1162 | 87.63 | 91.11 | 91.11 | 63.67 | 6.52 | 0.85 | 0.85 | 18.11 | 0.52 | 0.80 | 1.02 | 0.91 | 0.66 |
| 1638 | 89.13 | 91.15 | 91.15 | 51.35 | 5.84 | 0.42 | 0.42 | 25.47 | 0.47 | 0.43 | 0.47 | 0.83 | 0.64 |
| 230 | 88.61 | 91.25 | 91.25 | 55.67 | 4.28 | 0.68 | 0.68 | 15.71 | 0.34 | 0.52 | 0.68 | 0.58 | 0.44 |
| 1164 | 85.27 | 91.29 | 91.29 | 61.15 | 11.27 | 0.40 | 0.40 | 25.29 | 0.67 | 0.46 | 0.47 | 1.07 | 0.84 |
| 1166 | 87.81 | 91.48 | 91.48 | 65.88 | 11.53 | 0.49 | 0.49 | 31.28 | 0.95 | 0.52 | 0.53 | 1.76 | 1.22 |
| 239 | 82.95 | 91.38 | 91.38 | 62.77 | 15.04 | 0.43 | 0.43 | 27.86 | 0.82 | 0.41 | 0.41 | 1.25 | 0.97 |
| 233 | 84.55 | 91.46 | 91.46 | 57.00 | 7.68 | 0.39 | 0.39 | 17.34 | 0.40 | 0.43 | 0.45 | 0.63 | 0.50 |
| 1168 | 76.51 | 91.06 | 91.06 | 60.61 | 10.58 | 0.80 | 0.80 | 15.26 | 0.45 | 0.87 | 0.93 | 0.61 | 0.50 |
| 238 | 82.39 | 91.31 | 91.31 | 54.86 | 12.46 | 0.42 | 0.42 | 25.25 | 0.58 | 0.46 | 0.47 | 0.89 | 0.69 |
| 234 | 75.37 | 91.27 | 91.27 | 50.18 | 11.35 | 0.30 | 0.30 | 18.26 | 0.41 | 0.31 | 0.31 | 0.60 | 0.44 |
| 243 | 79.03 | 91.37 | 91.37 | 38.95 | 8.43 | 0.50 | 0.50 | 17.44 | 0.30 | 0.56 | 0.60 | 0.52 | 0.33 |
| 241 | 68.98 | 91.44 | 91.44 | 45.49 | 9.51 | 0.84 | 0.84 | 13.62 | 0.28 | 0.96 | 1.08 | 0.38 | 0.30 |
| 245 | 83.33 | 91.47 | 91.47 | 46.84 | 10.71 | 0.49 | 0.49 | 25.34 | 0.46 | 0.51 | 0.53 | 0.71 | 0.57 |
| 1171 | 85.41 | 91.67 | 91.67 | 60.19 | 9.38 | 0.56 | 0.56 | 21.52 | 0.57 | 0.75 | 0.82 | 0.94 | 0.68 |
| 242 | 87.74 | 91.01 | 91.01 | 56.62 | 5.18 | 0.61 | 0.61 | 16.51 | 0.36 | 0.61 | 0.79 | 0.57 | 0.48 |
| 1172 | 88.86 | 91.41 | 91.41 | 62.58 | 5.64 | 0.76 | 0.76 | 19.27 | 0.52 | 0.75 | 1.03 | 0.90 | 0.67 |
| 1662 | 88.47 | 91.45 | 91.45 | 39.64 | 7.68 | 0.54 | 0.54 | 32.90 | 0.51 | 0.58 | 0.64 | 0.95 | 0.64 |
| 246 | 85.28 | 91.44 | 91.44 | 49.42 | 5.54 | 0.63 | 0.63 | 14.60 | 0.30 | 0.55 | 0.64 | 0.55 | 0.35 |
| 1174 | 87.18 | 91.12 | 91.12 | 60.34 | 5.41 | 0.74 | 0.74 | 15.00 | 0.39 | 0.67 | 0.89 | 0.66 | 0.49 |
| 1175 | 85.51 | 91.73 | 91.73 | 62.37 | 8.34 | 0.65 | 0.65 | 18.61 | 0.56 | 0.62 | 0.68 | 1.02 | 0.63 |
| 247 | 76.19 | 91.24 | 91.24 | 54.65 | 11.17 | 0.62 | 0.62 | 17.42 | 0.43 | 0.79 | 0.83 | 0.62 | 0.48 |
| 252 | 85.79 | 91.28 | 91.28 | 55.52 | 9.55 | 0.42 | 0.42 | 24.43 | 0.52 | 0.44 | 0.46 | 0.80 | 0.68 |
| 250 | 79.82 | 91.33 | 91.33 | 57.36 | 9.58 | 0.72 | 0.72 | 16.48 | 0.41 | 0.99 | 1.17 | 0.59 | 0.49 |
| 264 | 86.73 | 91.32 | 91.32 | 56.06 | 9.89 | 0.47 | 0.47 | 27.58 | 0.60 | 0.55 | 0.58 | 0.95 | 0.78 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 No. | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 196 | 87.88 | 91.31 | 91.31 | 46.32 | 8.88 | 0.45 | 0.45 | 32.42 | 0.58 | 0.52 | 0.55 | 1.07 | 0.72 |
| 197 | 80.51 | 91.26 | 91.26 | 44.30 | 14.22 | 0.45 | 0.45 | 29.74 | 0.56 | 0.52 | 0.53 | 0.92 | 0.63 |
| 1145 | 70.54 | 90.88 | 90.88 | 40.66 | 13.65 | 0.45 | 0.45 | 21.33 | 0.41 | 0.50 | 0.51 | 0.62 | 0.42 |
| 199 | 82.49 | 91.25 | 91.25 | 45.57 | 14.38 | 0.48 | 0.48 | 32.84 | 0.63 | 0.58 | 0.59 | 1.10 | 0.72 |
| 198 | 87.43 | 91.23 | 91.23 | 50.29 | 9.65 | 0.44 | 0.44 | 31.63 | 0.62 | 0.52 | 0.54 | 1.12 | 0.77 |
| 1146 | 88.17 | 90.97 | 90.97 | 45.59 | 5.88 | 0.45 | 0.45 | 22.86 | 0.40 | 0.51 | 0.57 | 0.77 | 0.50 |
| 201 | 71.69 | 90.71 | 90.71 | 37.46 | 10.40 | 0.48 | 0.48 | 17.26 | 0.31 | 0.59 | 0.62 | 0.49 | 0.32 |
| 203 | 86.76 | 91.37 | 91.37 | 45.81 | 6.80 | 0.45 | 0.45 | 21.59 | 0.37 | 0.43 | 0.46 | 0.62 | 0.47 |
| 1637 | 83.26 | 91.27 | 91.27 | 38.16 | 10.72 | 0.47 | 0.47 | 27.65 | 0.47 | 0.59 | 0.62 | 0.91 | 0.52 |
| 1150 | 80.75 | 91.59 | 91.59 | 55.62 | 12.87 | 0.46 | 0.46 | 23.70 | 0.53 | 0.48 | 0.49 | 0.75 | 0.66 |
| 210 | 85.38 | 90.86 | 90.86 | 24.96 | 5.54 | 0.37 | 0.37 | 18.72 | 0.25 | 0.40 | 0.44 | 0.51 | 0.28 |
| 1153 | 90.58 | 91.35 | 91.35 | 53.58 | 4.51 | 0.52 | 0.52 | 32.65 | 0.59 | 0.59 | 0.72 | 1.25 | 0.86 |
| 205 | 83.06 | 91.33 | 91.33 | 30.32 | 8.36 | 0.45 | 0.45 | 22.80 | 0.33 | 0.45 | 0.47 | 0.61 | 0.37 |
| 1660 | 85.12 | 91.12 | 91.12 | 32.43 | 9.61 | 0.49 | 0.49 | 29.78 | 0.45 | 0.53 | 0.56 | 0.97 | 0.51 |
| 1154 | 84.16 | 91.43 | 91.43 | 47.94 | 13.96 | 0.43 | 0.43 | 34.51 | 0.66 | 0.46 | 0.47 | 1.08 | 0.79 |
| 219 | 74.03 | 91.01 | 91.01 | 40.48 | 13.97 | 0.40 | 0.40 | 23.99 | 0.44 | 0.44 | 0.45 | 0.71 | 0.47 |
| 218 | 85.78 | 91.61 | 91.61 | 45.90 | 6.73 | 0.43 | 0.43 | 19.29 | 0.35 | 0.45 | 0.48 | 0.61 | 0.42 |
| 220 | 81.55 | 91.39 | 91.39 | 31.94 | 7.41 | 0.52 | 0.52 | 18.32 | 0.28 | 0.47 | 0.50 | 0.54 | 0.31 |
| 1155 | 78.00 | 91.66 | 91.66 | 51.46 | 14.37 | 0.68 | 0.68 | 24.89 | 0.60 | 0.76 | 0.79 | 1.02 | 0.62 |
| 1156 | 86.19 | 91.17 | 91.17 | 53.53 | 13.54 | 0.44 | 0.44 | 36.98 | 0.79 | 0.56 | 0.57 | 1.38 | 0.98 |
| 1159 | 87.87 | 91.17 | 91.17 | 54.33 | 12.03 | 0.44 | 0.44 | 39.79 | 0.84 | 0.49 | 0.50 | 1.51 | 1.08 |
| 223 | 79.41 | 91.36 | 91.36 | 34.43 | 14.96 | 0.44 | 0.44 | 32.77 | 0.53 | 0.46 | 0.47 | 0.96 | 0.58 |
| 222 | 80.71 | 91.21 | 91.21 | 49.27 | 13.96 | 0.44 | 0.44 | 27.86 | 0.57 | 0.44 | 0.45 | 0.89 | 0.66 |
| 1157 | 81.43 | 91.29 | 91.29 | 54.00 | 11.21 | 0.45 | 0.45 | 21.84 | 0.49 | 0.47 | 0.48 | 0.75 | 0.59 |
| 226 | 73.14 | 91.12 | 91.12 | 42.26 | 13.99 | 0.43 | 0.43 | 23.01 | 0.44 | 0.58 | 0.59 | 0.69 | 0.47 |
| 229 | 87.63 | 91.38 | 91.38 | 39.95 | 9.02 | 0.44 | 0.44 | 33.90 | 0.55 | 0.47 | 0.49 | 1.11 | 0.66 |
| 1162 | 88.60 | 91.83 | 91.83 | 58.22 | 6.66 | 0.38 | 0.38 | 23.14 | 0.53 | 0.48 | 0.52 | 0.97 | 0.69 |
| 1638 | 88.25 | 91.26 | 91.26 | 32.26 | 5.85 | 0.45 | 0.45 | 25.90 | 0.37 | 0.50 | 0.57 | 0.78 | 0.44 |
| 230 | 89.21 | 91.50 | 91.50 | 49.56 | 4.30 | 0.42 | 0.42 | 19.15 | 0.35 | 0.42 | 0.48 | 0.65 | 0.46 |
| 1164 | 86.27 | 91.48 | 91.48 | 50.52 | 11.80 | 0.45 | 0.45 | 33.71 | 0.66 | 0.48 | 0.49 | 1.12 | 0.82 |
| 1166 | 88.64 | 91.19 | 91.19 | 57.17 | 11.92 | 0.43 | 0.43 | 43.10 | 0.95 | 0.48 | 0.49 | 1.77 | 1.27 |
| 239 | 82.90 | 91.28 | 91.28 | 51.14 | 15.90 | 0.43 | 0.43 | 34.84 | 0.73 | 0.45 | 0.46 | 1.20 | 0.87 |
| 233 | 85.46 | 91.39 | 91.39 | 48.34 | 7.96 | 0.40 | 0.40 | 21.65 | 0.41 | 0.41 | 0.43 | 0.67 | 0.50 |
| 1168 | 77.52 | 91.38 | 91.38 | 53.84 | 11.67 | 0.47 | 0.47 | 19.27 | 0.44 | 0.54 | 0.56 | 0.61 | 0.51 |
| 238 | 81.81 | 91.31 | 91.31 | 38.30 | 12.99 | 0.45 | 0.45 | 30.77 | 0.52 | 0.47 | 0.48 | 0.95 | 0.58 |
| 234 | 72.47 | 91.43 | 91.43 | 36.80 | 11.73 | 0.41 | 0.41 | 19.98 | 0.35 | 0.41 | 0.42 | 0.58 | 0.37 |
| 243 | 80.30 | 91.44 | 91.44 | 31.38 | 8.70 | 0.45 | 0.45 | 20.33 | 0.32 | 0.54 | 0.57 | 0.63 | 0.34 |
| 241 | 67.20 | 91.82 | 91.82 | 32.32 | 10.20 | 0.48 | 0.48 | 15.95 | 0.27 | 0.71 | 0.76 | 0.43 | 0.27 |
| 245 | 84.25 | 91.09 | 91.09 | 35.66 | 11.05 | 0.45 | 0.45 | 31.15 | 0.46 | 0.54 | 0.56 | 0.78 | 0.56 |
| 1171 | 85.37 | 91.69 | 91.69 | 54.31 | 9.54 | 0.41 | 0.41 | 23.83 | 0.55 | 0.59 | 0.63 | 0.98 | 0.64 |
| 242 | 88.15 | 91.20 | 91.20 | 44.99 | 5.26 | 0.43 | 0.43 | 20.37 | 0.34 | 0.45 | 0.52 | 0.61 | 0.44 |
| 1172 | 89.51 | 91.76 | 91.76 | 57.65 | 5.71 | 0.47 | 0.47 | 24.19 | 0.53 | 0.54 | 0.66 | 1.01 | 0.71 |
| 1662 | 87.95 | 91.36 | 91.36 | 26.17 | 7.69 | 0.53 | 0.53 | 34.05 | 0.45 | 0.60 | 0.67 | 1.02 | 0.52 |
| 246 | 86.28 | 91.42 | 91.42 | 39.51 | 5.67 | 0.49 | 0.49 | 18.23 | 0.31 | 0.49 | 0.55 | 0.64 | 0.35 |
| 1174 | 88.09 | 91.16 | 91.16 | 53.71 | 5.53 | 0.54 | 0.54 | 19.09 | 0.39 | 0.52 | 0.63 | 0.69 | 0.51 |
| 1175 | 86.82 | 91.50 | 91.50 | 57.37 | 8.69 | 0.49 | 0.49 | 23.96 | 0.59 | 0.52 | 0.55 | 1.11 | 0.70 |
| 247 | 76.24 | 91.45 | 91.45 | 46.60 | 11.86 | 0.52 | 0.52 | 20.45 | 0.41 | 0.55 | 0.57 | 0.62 | 0.46 |
| 252 | 86.22 | 91.51 | 91.51 | 44.32 | 9.81 | 0.50 | 0.50 | 29.89 | 0.50 | 0.58 | 0.61 | 0.82 | 0.63 |
| 250 | 80.34 | 91.72 | 91.72 | 44.69 | 10.28 | 0.45 | 0.45 | 21.21 | 0.40 | 0.63 | 0.70 | 0.65 | 0.45 |
| 264 | 87.06 | 91.42 | 91.42 | 41.60 | 10.13 | 0.40 | 0.40 | 34.83 | 0.57 | 0.45 | 0.47 | 1.02 | 0.70 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|------------|-----------|-------|-------|-----------------------|------|------|---------------------------------|-------------------------------|--|--------------------------------------|
| FK6 No. | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ [mas] | $\Delta\delta_{sys}$ [mas] | $\Delta\mu_{\alpha^*,sys}$ [mas/yr] | $\Delta\mu_{\delta,sys}$ [mas/yr] |
| | SI | STP | HIP | SI | STP | HIP | | | | |
| 196 | 6.06 | 5.99 | 5.97 | 0.48 | 0.48 | 0.48 | - 49.98 | + 30.31 | + 0.15 | - 1.46 |
| 197 | 29.28 | 29.60 | 29.63 | 0.54 | 0.54 | 0.54 | - 122.86 | - 62.94 | + 2.95 | - 1.79 |
| 1145 | 79.09 | 79.08 | 79.08 | 0.90 | 0.90 | 0.90 | - 2.21 | - 8.99 | + 0.07 | + 0.00 |
| 199 | 27.70 | 27.70 | 27.70 | 0.50 | 0.50 | 0.50 | - 127.13 | - 5.74 | + 4.65 | - 3.20 |
| 198 | 7.35 | 7.32 | 7.31 | 0.61 | 0.61 | 0.61 | - 92.73 | - 65.64 | + 3.37 | - 0.66 |
| 1146 | 2.65 | 2.92 | 3.03 | 0.76 | 0.77 | 0.77 | - 59.07 | - 78.55 | + 0.60 | - 0.36 |
| 201 | 13.13 | 13.39 | 13.42 | 0.97 | 0.98 | 0.98 | - 45.71 | - 79.99 | + 0.10 | - 1.26 |
| 203 | 3.50 | 3.50 | 3.50 | 0.68 | 0.68 | 0.68 | + 11.34 | + 36.21 | + 0.44 | - 0.49 |
| 1637 | 10.06 | 10.05 | 10.05 | 0.55 | 0.56 | 0.56 | + 86.19 | + 8.97 | - 4.37 | + 1.55 |
| 1150 | 22.72 | 22.79 | 22.79 | 0.80 | 0.81 | 0.81 | + 23.31 | + 8.88 | + 0.95 | + 0.05 |
| 210 | 2.79 | 2.50 | 2.43 | 0.84 | 0.89 | 0.91 | - 50.75 | - 76.06 | - 0.67 | - 0.99 |
| 1153 | 1.38 | 1.38 | 1.39 | 0.67 | 0.67 | 0.67 | - 93.35 | - 75.13 | + 3.03 | - 0.67 |
| 205 | 5.65 | 5.63 | 5.63 | 0.59 | 0.59 | 0.59 | + 46.04 | - 10.45 | - 1.02 | - 0.21 |
| 1660 | 7.31 | 7.33 | 7.33 | 0.54 | 0.54 | 0.54 | + 29.88 | - 72.95 | - 0.78 | - 0.07 |
| 1154 | 22.60 | 22.49 | 22.48 | 0.46 | 0.46 | 0.46 | - 52.71 | + 15.74 | - 0.36 | - 1.60 |
| 219 | 46.32 | 46.47 | 46.47 | 0.67 | 0.68 | 0.68 | - 58.32 | - 88.53 | + 0.26 | - 0.33 |
| 218 | 2.75 | 2.63 | 2.57 | 0.94 | 0.95 | 0.95 | - 15.25 | - 50.86 | - 1.21 | - 0.94 |
| 220 | 4.54 | 4.52 | 4.52 | 0.75 | 0.77 | 0.77 | - 56.22 | - 93.86 | - 0.05 | - 0.55 |
| 1155 | 64.26 | 64.27 | 64.25 | 1.16 | 1.19 | 1.19 | - 54.22 | - 84.10 | - 0.46 | - 0.81 |
| 1156 | 18.87 | 18.79 | 18.78 | 0.47 | 0.47 | 0.47 | - 119.64 | - 7.90 | + 0.76 | - 2.68 |
| 1159 | 12.28 | 12.32 | 12.33 | 0.47 | 0.47 | 0.47 | - 135.55 | - 20.86 | + 3.15 | - 3.12 |
| 223 | 37.95 | 37.94 | 37.94 | 0.56 | 0.57 | 0.57 | - 128.40 | - 78.53 | + 2.48 | - 2.00 |
| 222 | 29.02 | 29.05 | 29.05 | 0.62 | 0.62 | 0.62 | - 72.21 | - 80.66 | + 0.35 | - 0.15 |
| 1157 | 12.23 | 13.32 | 13.54 | 0.70 | 0.72 | 0.72 | + 20.44 | - 1.39 | + 0.55 | + 0.38 |
| 226 | 66.13 | 66.45 | 66.47 | 0.72 | 0.74 | 0.74 | - 53.98 | - 93.36 | + 0.12 | - 0.37 |
| 229 | 6.37 | 6.18 | 6.14 | 0.51 | 0.52 | 0.52 | - 114.09 | - 54.48 | + 2.82 | - 2.76 |
| 1162 | 2.05 | 2.11 | 2.14 | 0.87 | 0.87 | 0.88 | + 26.68 | - 35.16 | - 0.21 | - 0.18 |
| 1638 | 2.38 | 2.42 | 2.44 | 0.53 | 0.53 | 0.53 | + 85.24 | + 2.19 | - 3.61 | + 1.43 |
| 230 | 1.24 | 1.29 | 1.31 | 0.75 | 0.76 | 0.76 | - 39.75 | - 95.52 | - 0.56 | - 1.18 |
| 1164 | 12.23 | 12.25 | 12.25 | 0.56 | 0.56 | 0.56 | - 100.20 | - 86.40 | + 2.75 | - 1.13 |
| 1166 | 11.78 | 11.78 | 11.78 | 0.48 | 0.48 | 0.48 | - 23.84 | - 12.28 | - 1.91 | - 1.25 |
| 239 | 98.52 | 98.54 | 98.54 | 0.45 | 0.45 | 0.45 | + 49.22 | - 36.36 | - 4.49 | - 0.29 |
| 233 | 5.09 | 5.08 | 5.08 | 0.61 | 0.61 | 0.61 | + 20.30 | + 30.96 | - 0.64 | - 0.31 |
| 1168 | 19.46 | 19.33 | 19.31 | 0.82 | 0.83 | 0.83 | + 38.84 | - 46.84 | - 0.84 | - 0.41 |
| 238 | 17.80 | 17.83 | 17.83 | 0.55 | 0.55 | 0.55 | - 117.17 | - 87.52 | + 2.05 | - 1.99 |
| 234 | 18.79 | 18.56 | 18.55 | 0.64 | 0.64 | 0.64 | + 49.96 | + 17.11 | - 0.66 | - 0.24 |
| 243 | 6.57 | 6.54 | 6.53 | 0.66 | 0.66 | 0.66 | - 56.84 | - 92.31 | - 0.54 | - 0.21 |
| 241 | 13.53 | 13.97 | 14.07 | 0.87 | 0.92 | 0.93 | + 20.49 | - 59.98 | - 1.35 | - 0.79 |
| 245 | 10.44 | 10.43 | 10.43 | 0.52 | 0.53 | 0.53 | - 120.01 | - 31.57 | + 1.99 | - 3.02 |
| 1171 | 7.57 | 7.72 | 7.76 | 0.73 | 0.74 | 0.74 | - 42.79 | - 103.80 | - 0.16 | - 0.53 |
| 242 | 0.86 | 0.88 | 0.85 | 0.80 | 0.81 | 0.81 | - 4.12 | - 5.77 | + 0.41 | + 1.05 |
| 1172 | 2.32 | 2.33 | 2.33 | 0.90 | 0.91 | 0.92 | + 21.66 | - 25.57 | + 0.01 | + 0.60 |
| 1662 | 4.29 | 4.28 | 4.28 | 0.60 | 0.61 | 0.61 | + 9.72 | - 113.96 | + 1.18 | + 0.45 |
| 246 | 2.46 | 2.43 | 2.41 | 0.78 | 0.78 | 0.78 | - 43.42 | - 95.81 | - 0.36 | - 0.81 |
| 1174 | 1.73 | 1.94 | 2.16 | 0.83 | 0.84 | 0.86 | - 18.51 | - 102.18 | + 0.06 | - 1.02 |
| 1175 | 6.29 | 6.14 | 6.08 | 0.78 | 0.79 | 0.79 | - 33.00 | - 92.79 | - 0.59 | - 0.99 |
| 247 | 18.99 | 18.83 | 18.82 | 0.79 | 0.82 | 0.82 | + 25.43 | + 17.59 | - 0.60 | - 0.02 |
| 252 | 7.73 | 7.71 | 7.71 | 0.52 | 0.52 | 0.52 | - 88.59 | - 61.40 | + 2.42 | - 2.84 |
| 250 | 9.90 | 10.19 | 10.30 | 0.86 | 0.92 | 0.94 | + 18.35 | - 34.66 | - 0.36 | + 0.47 |
| 264 | 8.06 | 8.07 | 8.07 | 0.47 | 0.47 | 0.47 | + 146.01 | - 61.08 | - 5.81 | + 0.72 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|------------|---------------------------------------|-------------------------------------|--|--|-----------|----------|----------|--------------|----------|----------------------|
| FK6 No. | $\varepsilon_{\alpha^*,sys}$ [mas] | $\varepsilon_{\delta,sys}$ [mas] | $\varepsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\varepsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 196 | 11.73 | 9.47 | 0.40 | 0.24 | 1 | 1.69 | 3.22 | 1.75 | 2.81 | 124 |
| 197 | 9.48 | 6.52 | 0.28 | 0.17 | 1 | 6.83 | 4.62 | 8.51 | 2.62 | 125 |
| 1145 | 9.86 | 7.23 | 0.30 | 0.19 | 1 | 0.49 | 1.33 | 1.71 | 2.08 | 126 |
| 199 | 10.66 | 7.31 | 0.31 | 0.22 | 1 | 0.03 | 1.26 | 0.77 | 0.89 | |
| 198 | 9.34 | 6.27 | 0.27 | 0.18 | 1 | 1.24 | 1.89 | 3.63 | 0.42 | |
| 1146 | 9.62 | 6.20 | 0.25 | 0.15 | 1 | 2.07 | 3.22 | 2.59 | 2.47 | |
| 201 | 8.56 | 6.19 | 0.24 | 0.16 | 1 | 0.88 | 2.28 | 2.60 | 2.44 | 127 |
| 203 | 12.33 | 10.21 | 0.39 | 0.23 | 1 | 0.54 | 1.15 | 1.03 | 0.96 | 128 |
| 1637 | 21.33 | 18.31 | 0.66 | 0.48 | 1 | 3.35 | 0.83 | 0.53 | 4.15 | 129 |
| 1150 | 11.86 | 8.70 | 0.38 | 0.22 | 1 | 2.37 | 2.77 | 1.82 | 4.37 | 130 |
| 210 | 7.48 | 6.66 | 0.24 | 0.17 | 1 | 0.53 | 1.28 | 1.74 | 0.81 | 131 |
| 1153 | 9.13 | 6.42 | 0.25 | 0.17 | 1 | 1.49 | 2.45 | 1.89 | 2.85 | |
| 205 | 14.76 | 11.82 | 0.47 | 0.23 | 1 | 0.64 | 1.61 | 2.33 | 0.89 | 132 |
| 1660 | 17.60 | 14.69 | 0.55 | 0.40 | 1 | 0.71 | 2.47 | 0.96 | 2.25 | |
| 1154 | 12.13 | 10.08 | 0.36 | 0.23 | 1 | 3.39 | 5.19 | 3.68 | 0.72 | |
| 219 | 9.48 | 6.70 | 0.23 | 0.15 | 1 | 1.79 | 1.57 | 4.65 | 2.21 | 133 |
| 218 | 9.54 | 6.92 | 0.22 | 0.16 | 1 | 1.60 | 1.54 | 2.08 | 1.73 | |
| 220 | 8.67 | 6.43 | 0.23 | 0.13 | 1 | 1.11 | 0.36 | 3.65 | 1.66 | 134 |
| 1155 | 7.78 | 6.57 | 0.24 | 0.17 | | 5.18 | 0.84 | 2.32 | 5.69 | |
| 1156 | 11.11 | 8.42 | 0.35 | 0.21 | 1 | 1.05 | 2.31 | 1.44 | 0.69 | |
| 1159 | 10.88 | 7.80 | 0.33 | 0.22 | 1 | 1.07 | 1.79 | 0.70 | 0.75 | 135 |
| 223 | 9.42 | 6.59 | 0.25 | 0.17 | 1 | 1.31 | 0.23 | 0.92 | 1.42 | 136 |
| 222 | 9.29 | 6.88 | 0.24 | 0.18 | 1 | 2.16 | 1.23 | 1.34 | 2.55 | |
| 1157 | 11.77 | 8.71 | 0.37 | 0.22 | | 9.33 | 7.37 | 8.01 | 3.66 | 137 |
| 226 | 9.50 | 6.66 | 0.22 | 0.15 | 1 | 0.85 | 2.30 | 3.13 | 1.44 | |
| 229 | 10.46 | 7.53 | 0.27 | 0.19 | 1 | 0.62 | 3.63 | 2.90 | 2.30 | |
| 1162 | 9.33 | 7.01 | 0.26 | 0.17 | 1 | 1.16 | 1.05 | 1.23 | 1.98 | |
| 1638 | 20.27 | 16.95 | 0.60 | 0.45 | 1 | 0.64 | 2.11 | 0.94 | 2.36 | 138 |
| 230 | 7.95 | 6.53 | 0.25 | 0.17 | 1 | 1.85 | 1.70 | 2.74 | 1.68 | 139 |
| 1164 | 9.07 | 6.87 | 0.24 | 0.17 | 1 | 1.67 | 1.23 | 0.94 | 2.28 | 140 |
| 1166 | 12.19 | 9.51 | 0.37 | 0.24 | 1 | 0.50 | 0.33 | 0.22 | 0.62 | 141 |
| 239 | 13.63 | 11.18 | 0.41 | 0.22 | 1 | 0.20 | 1.37 | 0.79 | 0.90 | |
| 233 | 13.01 | 10.38 | 0.38 | 0.23 | 1 | 1.60 | 2.19 | 0.58 | 0.29 | 142 |
| 1168 | 9.29 | 6.82 | 0.26 | 0.18 | 1 | 1.49 | 2.13 | 1.35 | 1.91 | |
| 238 | 9.61 | 6.57 | 0.25 | 0.17 | 1 | 2.69 | 0.68 | 0.38 | 2.40 | |
| 234 | 13.60 | 10.08 | 0.41 | 0.23 | | 9.67 | 14.50 | 15.45 | 2.08 | 143 |
| 243 | 9.70 | 6.64 | 0.24 | 0.16 | 1 | 3.05 | 0.82 | 3.91 | 4.04 | 144 |
| 241 | 9.51 | 6.92 | 0.25 | 0.19 | 1 | 1.71 | 1.61 | 3.81 | 1.12 | 145 |
| 245 | 11.16 | 7.83 | 0.34 | 0.22 | 1 | 0.33 | 2.86 | 0.48 | 2.72 | 146 |
| 1171 | 9.57 | 6.19 | 0.23 | 0.14 | 1 | 1.83 | 1.06 | 0.50 | 1.67 | 147 |
| 242 | 11.40 | 7.28 | 0.30 | 0.22 | 1 | 3.30 | 1.15 | 2.70 | 4.04 | 148 |
| 1172 | 10.66 | 7.33 | 0.28 | 0.19 | 1 | 0.76 | 0.40 | 0.54 | 1.30 | |
| 1662 | 21.74 | 17.79 | 0.66 | 0.46 | 1 | 1.95 | 0.67 | 1.26 | 2.41 | 149 |
| 246 | 8.37 | 6.37 | 0.26 | 0.17 | 1 | 3.97 | 0.19 | 3.05 | 4.44 | 150 |
| 1174 | 8.67 | 6.33 | 0.26 | 0.15 | 1 | 2.40 | 1.96 | 2.41 | 2.05 | |
| 1175 | 7.92 | 6.58 | 0.26 | 0.17 | 1 | 4.01 | 1.16 | 2.20 | 3.42 | 151 |
| 247 | 12.29 | 9.69 | 0.39 | 0.23 | 1 | 0.47 | 1.73 | 2.44 | 1.13 | 152 |
| 252 | 10.73 | 7.18 | 0.30 | 0.20 | 1 | 0.67 | 1.07 | 1.63 | 1.33 | 153 |
| 250 | 10.18 | 7.00 | 0.29 | 0.18 | 1 | 1.66 | 0.87 | 0.88 | 1.15 | |
| 264 | 17.39 | 13.50 | 0.57 | 0.33 | 1 | 4.58 | 1.60 | 0.94 | 4.87 | 154 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------|------------|-------------------|-----------------------------|-----------------------------|--|--------------------------------------|
| FK6 No. | HIP No. | Name | α (SI) 2000 h m s | δ (SI) 2000 ° ′ ″ | μ_{α^*} (SI) 2000 [mas/yr] | μ_{δ} (SI) 2000 [mas/yr] |
| 254 | 32246 | ε Gem | 6 43 55.927 306 | + 25 7 52.052 38 | - 3.94 | - 12.19 |
| 256 | 32362 | ξ Gem | 6 45 17.364 796 | + 12 53 44.128 72 | - 114.89 | - 190.83 |
| 1661 | 32500 | 7 G. Oct | 6 46 58.575 050 | - 87 1 29.878 67 | + 4.91 | + 3.38 |
| 1178 | 32537 | 31 G. Pup | 6 47 21.400 014 | - 37 55 46.917 25 | - 9.15 | - 11.01 |
| 1176 | 32562 | ψ^6 Aur | 6 47 39.579 309 | + 48 47 22.104 57 | - 1.58 | + 5.19 |
| 1180 | 32759 | κ CMa | 6 49 50.459 575 | - 32 30 30.515 82 | - 8.55 | + 4.48 |
| 267 | 32912 | ι Vol | 6 51 26.986 621 | - 70 57 48.281 92 | + 4.21 | + 25.39 |
| 261 | 33018 | ϑ Gem | 6 52 47.339 023 | + 33 57 40.514 19 | - 1.51 | - 47.70 |
| 259 | 33104 | 43 Cam | 6 53 42.248 453 | + 68 53 17.917 34 | + 4.53 | + 7.67 |
| 266 | 33160 | ϑ CMa | 6 54 11.398 851 | - 12 2 19.054 45 | - 137.22 | - 13.78 |
| 260 | 33694 | 24 H. Cam | 7 0 4.037 565 | + 76 58 38.665 47 | + 73.24 | - 14.17 |
| 1182 | 33927 | ω Gem | 7 2 24.780 504 | + 24 12 55.606 25 | - 6.45 | - 0.13 |
| 270 | 33977 | ρ^2 CMa | 7 3 1.472 130 | - 23 49 59.851 04 | - 2.26 | + 3.85 |
| 271 | 34045 | γ CMa | 7 3 45.492 735 | - 15 37 59.823 39 | - 0.76 | - 10.48 |
| 269 | 34088 | ζ Gem | 7 4 6.531 103 | + 20 34 13.075 50 | - 6.89 | - 0.23 |
| 1185 | 34387 | 2 G. CMi | 7 7 49.489 236 | + 7 28 16.364 09 | + 7.33 | - 34.04 |
| 273 | 34444 | δ CMa | 7 8 23.483 904 | - 26 23 35.515 52 | - 3.28 | + 3.70 |
| 274 | 34752 | 63 Aur | 7 11 39.326 437 | + 39 19 13.983 55 | + 45.12 | + 3.02 |
| 275 | 34834 | 1 Pup | 7 12 33.625 663 | - 46 45 33.495 15 | - 135.37 | + 107.09 |
| 1190 | 35136 | Grb 1281 Lyn | 7 15 50.138 960 | + 47 14 23.869 02 | + 29.93 | - 186.20 |
| 281 | 35228 | δ Vol | 7 16 49.824 638 | - 67 57 25.746 05 | - 3.98 | + 8.56 |
| 276 | 35341 | 64 Aur | 7 18 2.214 403 | + 40 53 0.212 43 | - 13.68 | + 12.08 |
| 283 | 35904 | η CMa | 7 24 5.702 008 | - 29 18 11.182 16 | - 4.53 | + 5.61 |
| 1191 | 35907 | 66 Aur | 7 24 8.466 702 | + 40 40 20.597 38 | - 5.39 | - 21.65 |
| 282 | 36046 | ι Gem | 7 25 43.595 568 | + 27 47 53.082 27 | - 122.17 | - 85.30 |
| 1193 | 36425 | 6 CMi | 7 29 47.782 401 | + 12 0 23.626 69 | + 0.48 | - 19.79 |
| 288 | 36795 | 108 G. Pup | 7 34 3.180 668 | - 22 17 45.835 40 | - 40.10 | + 47.47 |
| 1198 | 36942 | Q Car | 7 35 39.722 550 | - 52 32 1.809 75 | + 23.32 | - 11.50 |
| 1195 | 37023 | +46°1286 Lyn | 7 36 31.634 234 | + 46 10 49.032 55 | - 28.53 | - 33.32 |
| 1197 | 37036 | 125 G. Pup | 7 36 41.034 278 | - 19 42 8.428 83 | - 7.21 | + 4.87 |
| 909 | 37391 | 51 H. Cep | 7 40 30.553 630 | + 87 1 12.306 43 | - 47.98 | - 29.25 |
| 293 | 37447 | α Mon | 7 41 14.832 589 | - 9 33 4.067 00 | - 74.56 | - 19.15 |
| 1202 | 37891 | 4 Pup | 7 45 56.869 897 | - 14 33 49.699 83 | - 11.35 | + 6.06 |
| 1201 | 37921 | 11 CMi | 7 46 16.201 033 | + 10 46 5.703 33 | - 30.41 | - 24.84 |
| 1199 | 37946 | +37°1769 Lyn | 7 46 39.280 417 | + 37 31 2.626 10 | + 28.70 | + 13.59 |
| 1205 | 38373 | ζ CMi | 7 51 41.988 560 | + 1 46 0.728 07 | - 14.11 | - 3.60 |
| 299 | 38639 | 26 Lyn | 7 54 42.697 179 | + 47 33 52.542 38 | - 47.95 | + 1.17 |
| 1208 | 38848 | 1 Cnc | 7 56 59.452 574 | + 15 47 25.014 05 | - 26.90 | - 41.46 |
| 1210 | 38901 | 225 G. Pup | 7 57 40.106 240 | - 30 20 4.453 31 | - 8.18 | + 6.85 |
| 1209 | 38959 | Grb 1384 Lyn | 7 58 16.564 013 | + 43 58 38.547 02 | + 38.81 | + 4.95 |
| 304 | 39079 | 27 Mon | 7 59 44.153 155 | - 3 40 46.498 77 | - 54.00 | - 1.92 |
| 1212 | 39095 | 232 G. Pup | 7 59 52.053 655 | - 18 23 57.244 75 | - 2.36 | - 38.08 |
| 300 | 39117 | Grb 1374 Cam | 8 0 11.738 535 | + 73 55 4.506 77 | - 8.37 | - 37.67 |
| 1211 | 39191 | ω Cnc | 8 0 55.872 694 | + 25 23 34.213 56 | + 16.15 | + 6.95 |
| 1213 | 39326 | 161 G. Mon | 8 2 25.968 924 | - 6 20 13.690 94 | + 5.58 | - 11.69 |
| 306 | 39429 | ζ Pup | 8 3 35.046 988 | - 40 0 11.335 01 | - 30.41 | + 16.39 |
| 1215 | 40215 | 3 H. UMa | 8 12 48.787 212 | + 68 28 26.662 13 | - 0.86 | + 7.68 |
| 311 | 40259 | 20 Pup | 8 13 19.967 139 | - 15 47 17.601 80 | - 13.05 | - 3.37 |
| 1639 | 40559 | Grb 1359 Cam | 8 16 53.907 282 | + 84 3 27.508 55 | - 9.68 | - 19.48 |
| 313 | 40706 | 289 G. Pup | 8 18 33.312 972 | - 36 39 33.440 43 | - 110.31 | + 100.31 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|--|---|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | ε_{α^*} (SI) [mas] | $\varepsilon_{\mu,\alpha^*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 254 | 90.81 | 0.91 | 0.25 | 91.63 | 0.39 | 0.23 | 3.61 | 0.91 | H | + 9.9 | 3.06 | 1 | 19 | | 1 |
| 256 | 91.32 | 0.73 | 0.25 | 91.60 | 0.39 | 0.23 | 57.02 | 0.83 | H | + 25.6 | 3.35 | | 19 | | 1 |
| 1661 | 91.14 | 0.45 | 0.38 | 91.38 | 0.46 | 0.35 | 25.55 | 0.52 | H | + 3.9 | 6.46 | | 11 | 1 | 3 |
| 1178 | 91.20 | 0.44 | 0.39 | 91.19 | 0.46 | 0.42 | 9.85 | 0.56 | H | + 47.0 | 5.27 | | 35 | | |
| 1176 | 91.29 | 0.67 | 0.41 | 91.50 | 0.44 | 0.35 | 7.69 | 0.78 | H | - 7.7 | 5.22 | | 29 | 2 | |
| 1180 | 91.13 | 0.36 | 0.32 | 91.12 | 0.40 | 0.36 | 4.13 | 0.50 | H | + 14.0 | 3.50 | 2 | 31 | | |
| 267 | 91.54 | 0.43 | 0.40 | 91.26 | 0.38 | 0.37 | 5.84 | 0.45 | H | + 18.5 | 5.41 | | 11 | 1 | 3 |
| 261 | 90.95 | 0.81 | 0.28 | 91.47 | 0.41 | 0.25 | 16.59 | 0.85 | H | + 21.0 | 3.60 | | 19 | | 1 |
| 259 | 91.41 | 0.40 | 0.29 | 91.22 | 0.43 | 0.29 | 3.26 | 0.62 | H | - 21.0 | 5.11 | | 39 | | |
| 266 | 91.39 | 0.73 | 0.27 | 91.41 | 0.52 | 0.27 | 12.94 | 0.87 | H | + 97.3 | 4.08 | 1 | 39 | | |
| 260 | 91.17 | 0.34 | 0.27 | 91.14 | 0.42 | 0.27 | 17.43 | 0.53 | H | - 26.2 | 4.55 | | 19 | | 1 |
| 1182 | 91.20 | 0.79 | 0.35 | 91.48 | 0.42 | 0.29 | 3.20 | 0.70 | P | - 8.5 | 5.20 | | 11 | 1 | 3 |
| 270 | 91.36 | 0.36 | 0.34 | 91.32 | 0.40 | 0.39 | 1.20 | 0.30 | P | + 48.4 | 3.02 | 2 | 39 | | |
| 271 | 91.03 | 0.44 | 0.25 | 91.48 | 0.43 | 0.25 | 8.11 | 0.63 | H | + 32.0 | 4.11 | | 29 | 2 | |
| 269 | 91.20 | 0.78 | 0.25 | 91.51 | 0.45 | 0.22 | 2.56 | 0.29 | C | + 6.7 | 4.01 | 2 | 39 | | |
| 1185 | 91.47 | 0.70 | 0.39 | 91.60 | 0.40 | 0.34 | 5.74 | 0.86 | H | + 23.9 | 5.74 | | 19 | | 1 |
| 273 | 91.09 | 0.32 | 0.26 | 91.21 | 0.37 | 0.28 | 1.55 | 0.36 | P | + 34.3 | 1.83 | 1 | 39 | | |
| 274 | 90.95 | 0.84 | 0.32 | 91.44 | 0.47 | 0.29 | 7.02 | 0.91 | H | - 27.0 | 4.91 | | 39 | | |
| 275 | 91.17 | 0.46 | 0.45 | 91.30 | 0.43 | 0.38 | 47.22 | 0.53 | H | - 0.6 | 4.49 | 1 | 11 | 1 | 3 |
| 1190 | 91.18 | 0.60 | 0.44 | 91.55 | 0.39 | 0.35 | 59.31 | 0.69 | H | + 84.5 | 5.54 | | 31 | | |
| 281 | 91.19 | 0.48 | 0.41 | 91.21 | 0.40 | 0.34 | 4.94 | 0.46 | H | + 22.5 | 3.97 | | 31 | | |
| 276 | 91.11 | 0.79 | 0.35 | 91.63 | 0.41 | 0.32 | 12.18 | 0.92 | H | - 10.0 | 5.87 | | 39 | | |
| 283 | 91.05 | 0.36 | 0.30 | 91.25 | 0.44 | 0.36 | 1.06 | 0.12 | P | + 41.1 | 2.45 | 2 | 39 | | |
| 1191 | 91.24 | 0.93 | 0.37 | 91.73 | 0.56 | 0.32 | 4.48 | 0.96 | H | + 21.2 | 5.23 | | 39 | | |
| 282 | 91.30 | 0.84 | 0.27 | 91.59 | 0.55 | 0.24 | 25.90 | 0.91 | H | + 8.4 | 3.78 | | 39 | | |
| 1193 | 91.47 | 0.71 | 0.31 | 91.54 | 0.41 | 0.28 | 5.82 | 0.79 | H | - 15.4 | 4.55 | | 31 | | |
| 288 | 91.26 | 0.44 | 0.35 | 91.17 | 0.46 | 0.42 | 38.91 | 0.66 | H | + 61.4 | 4.44 | | 35 | | |
| 1198 | 91.25 | 0.41 | 0.40 | 91.31 | 0.40 | 0.37 | 8.28 | 0.45 | H | + 62.0 | 4.93 | | 18 | | |
| 1195 | 90.89 | 0.78 | 0.44 | 91.02 | 0.54 | 0.42 | 6.29 | 0.84 | H | + 29.2 | 5.66 | | 11 | 1 | 3 |
| 1197 | 91.28 | 0.42 | 0.37 | 91.37 | 0.41 | 0.37 | 2.00 | 0.23 | P | + 22.0 | 5.69 | 1 | 29 | 2 | |
| 909 | 91.17 | 0.42 | 0.33 | 91.13 | 0.42 | 0.28 | 6.53 | 0.50 | H | - 25.2 | 5.05 | 2 | 29 | 2 | |
| 293 | 90.98 | 0.49 | 0.31 | 91.56 | 0.34 | 0.27 | 22.61 | 0.80 | H | + 10.5 | 3.94 | | 21 | 2 | |
| 1202 | 91.23 | 0.54 | 0.33 | 91.72 | 0.34 | 0.26 | 13.80 | 0.71 | H | - 2.0 | 5.03 | | 39 | | |
| 1201 | 91.41 | 0.80 | 0.46 | 91.52 | 0.38 | 0.33 | 10.44 | 0.84 | H | + 28.0 | 5.25 | | 39 | | |
| 1199 | 91.24 | 0.85 | 0.51 | 91.68 | 0.60 | 0.48 | 9.99 | 0.99 | H | - 34.7 | 5.15 | 1 | 13 | | |
| 1205 | 91.31 | 0.86 | 0.39 | 91.15 | 0.65 | 0.36 | 7.76 | 1.02 | H | + 32.3 | 5.12 | | 39 | | |
| 299 | 90.94 | 0.75 | 0.33 | 91.33 | 0.38 | 0.32 | 6.42 | 0.86 | H | + 17.1 | 5.47 | | 11 | 1 | 3 |
| 1208 | 91.40 | 0.77 | 0.33 | 91.27 | 0.61 | 0.34 | 7.06 | 0.90 | H | + 10.2 | 5.80 | | 15 | 1 | 3 |
| 1210 | 91.16 | 0.33 | 0.34 | 91.40 | 0.41 | 0.36 | 1.91 | 0.22 | P | + 28.4 | 4.76 | | 11 | 1 | 3 |
| 1209 | 91.02 | 0.85 | 0.41 | 91.27 | 0.45 | 0.41 | 6.30 | 0.93 | H | - 49.3 | 6.36 | | 11 | 1 | 3 |
| 304 | 91.22 | 0.80 | 0.36 | 91.07 | 0.46 | 0.34 | 13.06 | 0.96 | H | - 28.7 | 4.93 | | 11 | 1 | 3 |
| 1212 | 91.25 | 0.56 | 0.45 | 91.29 | 0.54 | 0.47 | 13.69 | 0.81 | H | - 12.0 | 4.61 | | 21 | 2 | |
| 300 | 91.19 | 0.38 | 0.27 | 91.27 | 0.40 | 0.27 | 4.66 | 0.58 | H | + 35.1 | 5.37 | | 39 | | |
| 1211 | 91.47 | 0.76 | 0.33 | 91.46 | 0.47 | 0.30 | 2.90 | 0.89 | H | + 1.9 | 5.87 | | 39 | | |
| 1213 | 91.11 | 0.63 | 0.42 | 91.13 | 0.49 | 0.41 | 9.18 | 0.95 | H | - 16.2 | 6.34 | | 19 | | 1 |
| 306 | 91.25 | 0.41 | 0.34 | 91.32 | 0.40 | 0.32 | 2.33 | 0.51 | H | - 24.0 | 2.21 | 1 | 19 | | 1 |
| 1215 | 91.26 | 0.31 | 0.27 | 91.32 | 0.42 | 0.32 | 3.07 | 0.65 | H | - 9.1 | 5.34 | | 39 | | |
| 311 | 91.25 | 0.53 | 0.28 | 91.02 | 0.48 | 0.29 | 2.65 | 0.76 | H | + 16.6 | 4.99 | | 39 | | |
| 1639 | 91.01 | 0.46 | 0.39 | 91.20 | 0.43 | 0.32 | 5.74 | 0.55 | H | - 3.0 | 6.45 | | 18 | | |
| 313 | 91.29 | 0.38 | 0.34 | 91.47 | 0.40 | 0.33 | 35.06 | 0.53 | H | + 5.1 | 4.44 | | 21 | 2 | |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------------|--|---------|---------|----------|--------------------------------------|---------|---------|----------|
| FK6 No. | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 254 | - 2.24 | - 8.41 | - 17.87 | - 19.97 | - 2.79 | - 2.08 | - 5.35 | - 50.41 |
| 256 | - 7.52 | - 2.22 | - 2.31 | - 24.91 | + 1.85 | - 0.69 | - 0.69 | + 7.73 |
| 1661 | + 7.64 | - 2.29 | - 2.47 | + 75.71 | - 0.17 | + 6.56 | + 7.08 | + 58.99 |
| 1178 | + 3.04 | - 5.80 | - 6.77 | - 70.09 | - 7.13 | + 3.28 | + 3.91 | - 88.31 |
| 1176 | - 3.78 | - 25.73 | - 31.82 | - 91.08 | - 5.06 | + 9.49 | + 10.56 | + 52.36 |
| 1180 | + 2.66 | - 4.43 | - 5.58 | - 48.77 | + 2.86 | - 2.84 | - 3.90 | + 91.69 |
| 267 | + 2.17 | - 1.17 | - 1.59 | - 1.37 | - 3.92 | + 1.12 | + 1.47 | - 80.92 |
| 261 | - 5.36 | - 8.80 | - 10.22 | - 22.63 | - 6.34 | + 0.43 | + 0.16 | - 39.23 |
| 259 | - 0.04 | - 0.02 | - 0.03 | + 4.89 | + 0.75 | - 2.54 | - 3.24 | - 2.05 |
| 266 | + 1.13 | - 13.86 | - 15.57 | + 0.20 | + 7.29 | - 5.47 | - 5.99 | + 56.25 |
| 260 | + 5.82 | - 0.52 | - 0.52 | + 38.49 | + 7.18 | + 2.46 | + 2.55 | + 75.34 |
| 1182 | - 3.32 | - 0.05 | - 0.05 | - 48.65 | - 0.81 | - 1.85 | - 2.28 | - 44.18 |
| 270 | - 3.99 | + 3.11 | + 6.06 | - 88.77 | - 1.03 | + 1.67 | + 3.77 | - 3.93 |
| 271 | - 4.23 | - 0.95 | - 0.61 | - 48.11 | + 14.24 | - 5.39 | - 6.15 | + 197.85 |
| 269 | - 3.03 | + 5.91 | + 10.15 | - 53.31 | + 1.33 | - 4.34 | - 6.10 | + 18.95 |
| 1185 | - 4.66 | - 4.22 | - 5.43 | - 57.03 | - 4.23 | + 5.11 | + 6.30 | - 15.76 |
| 273 | - 3.45 | + 3.48 | + 4.73 | - 51.10 | + 2.66 | - 2.30 | - 3.28 | + 86.56 |
| 274 | - 9.69 | - 4.37 | - 8.16 | - 67.69 | - 1.23 | - 6.08 | - 7.83 | - 30.38 |
| 275 | + 5.08 | - 1.82 | - 1.99 | + 18.09 | - 5.25 | - 2.39 | - 2.56 | - 133.92 |
| 1190 | - 12.50 | - 4.02 | - 4.29 | - 47.87 | + 14.56 | + 0.86 | + 0.86 | + 93.72 |
| 281 | - 0.93 | - 0.87 | - 1.13 | - 45.98 | - 3.14 | - 0.42 | - 0.50 | - 203.79 |
| 276 | - 13.74 | - 9.16 | - 11.90 | - 77.72 | - 2.41 | + 0.93 | + 0.61 | - 12.15 |
| 283 | - 2.79 | + 3.40 | + 6.89 | - 72.56 | - 0.47 | + 3.85 | + 9.19 | + 97.76 |
| 1191 | - 2.47 | + 8.10 | + 17.56 | - 30.01 | - 5.12 | + 1.75 | + 4.28 | - 117.35 |
| 282 | + 10.20 | + 5.40 | + 7.25 | + 32.76 | - 7.27 | + 6.44 | + 7.16 | - 32.16 |
| 1193 | - 0.66 | + 5.15 | + 6.49 | + 4.71 | + 5.83 | + 4.09 | + 4.42 | + 125.59 |
| 288 | + 0.60 | - 2.33 | - 2.42 | - 3.23 | - 15.53 | - 5.18 | - 5.53 | - 149.19 |
| 1198 | - 5.98 | + 0.79 | + 1.06 | - 85.19 | - 2.18 | - 0.52 | - 0.61 | - 113.63 |
| 1195 | - 3.83 | + 0.71 | + 1.35 | - 39.80 | + 0.05 | + 2.68 | + 3.59 | + 20.78 |
| 1197 | + 4.50 | - 4.82 | - 7.83 | - 36.64 | - 7.10 | + 6.83 | + 11.38 | + 133.63 |
| 909 | + 36.57 | - 41.65 | - 48.54 | + 194.91 | - 8.67 | + 19.47 | + 21.45 | + 71.35 |
| 293 | + 13.53 | - 2.19 | - 2.47 | + 57.45 | + 4.75 | - 4.01 | - 4.19 | + 11.75 |
| 1202 | - 12.70 | + 1.31 | + 1.66 | - 96.57 | + 2.32 | + 1.75 | + 1.84 | + 55.60 |
| 1201 | + 7.21 | - 3.05 | - 4.10 | + 73.10 | + 3.48 | + 2.90 | + 3.34 | + 104.91 |
| 1199 | - 5.07 | + 8.67 | + 12.73 | - 37.75 | + 0.75 | - 5.30 | - 7.24 | - 19.75 |
| 1205 | - 9.64 | + 0.51 | + 1.28 | - 80.59 | + 6.49 | - 1.09 | - 1.60 | + 76.23 |
| 299 | - 4.31 | - 2.76 | - 4.02 | - 29.86 | - 1.90 | + 2.15 | + 2.67 | - 20.15 |
| 1208 | + 0.69 | - 8.65 | - 11.71 | + 1.60 | - 2.77 | - 1.46 | - 1.54 | - 36.81 |
| 1210 | - 0.75 | + 0.44 | + 0.62 | + 10.34 | - 1.21 | + 1.53 | + 2.48 | + 105.49 |
| 1209 | - 5.54 | - 0.14 | + 0.12 | - 70.43 | + 0.42 | - 0.09 | - 0.09 | + 9.44 |
| 304 | - 6.71 | - 8.22 | - 10.13 | - 49.27 | - 4.84 | + 0.81 | + 0.61 | - 46.00 |
| 1212 | + 0.37 | - 34.77 | - 42.40 | - 77.51 | - 2.82 | + 19.35 | + 25.18 | - 0.20 |
| 300 | + 2.07 | - 0.45 | - 0.54 | + 23.52 | + 0.62 | + 1.99 | + 2.34 | + 28.72 |
| 1211 | - 5.35 | + 7.90 | + 13.87 | - 70.62 | - 2.34 | - 1.97 | - 4.09 | - 53.68 |
| 1213 | - 4.19 | + 4.92 | + 6.17 | - 33.15 | - 5.20 | + 3.35 | + 3.99 | - 63.30 |
| 306 | + 2.13 | - 2.36 | - 3.58 | - 15.12 | - 4.06 | + 2.25 | + 3.29 | - 102.07 |
| 1215 | + 4.60 | - 1.12 | - 1.63 | + 89.33 | + 0.02 | - 2.15 | - 3.10 | - 18.13 |
| 311 | - 3.33 | + 9.51 | + 13.23 | - 30.07 | - 1.94 | + 3.38 | + 4.63 | - 40.94 |
| 1639 | - 2.23 | - 0.07 | + 0.02 | - 57.49 | - 0.42 | + 2.53 | + 2.97 | + 37.07 |
| 313 | + 10.71 | - 7.89 | - 8.32 | + 3.10 | - 7.62 | + 2.39 | + 2.56 | - 42.55 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------------|---|--------|--------|--------|---------|---|--------|--------|--------|---------|
| FK6 No. | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 254 | + 0.01 | - 0.94 | - 1.99 | - 0.20 | + 0.24 | - 0.05 | - 0.24 | - 0.62 | - 0.60 | + 0.21 |
| 256 | - 0.06 | - 0.26 | - 0.27 | - 0.28 | + 0.22 | + 0.03 | - 0.08 | - 0.08 | + 0.11 | - 0.02 |
| 1661 | + 0.29 | - 0.25 | - 0.27 | + 1.23 | - 0.21 | - 0.42 | + 0.76 | + 0.82 | + 0.23 | - 0.71 |
| 1178 | + 1.03 | - 0.66 | - 0.77 | + 0.03 | + 2.20 | - 0.58 | + 0.37 | + 0.44 | - 1.73 | - 0.12 |
| 1176 | + 1.06 | - 2.97 | - 3.67 | - 0.29 | + 2.82 | - 1.21 | + 1.09 | + 1.21 | - 0.49 | - 2.05 |
| 1180 | + 0.59 | - 0.50 | - 0.63 | + 0.03 | + 1.30 | + 0.16 | - 0.32 | - 0.44 | + 1.27 | - 0.27 |
| 267 | + 0.30 | - 0.14 | - 0.19 | + 0.32 | + 0.47 | - 0.29 | + 0.13 | + 0.17 | - 1.47 | + 0.19 |
| 261 | + 0.02 | - 0.99 | - 1.15 | - 0.21 | + 0.32 | - 0.17 | + 0.06 | + 0.03 | - 0.56 | + 0.07 |
| 259 | - 0.03 | + 0.00 | + 0.00 | + 0.05 | - 0.08 | + 0.12 | - 0.29 | - 0.37 | + 0.12 | + 0.18 |
| 266 | + 0.24 | - 1.62 | - 1.82 | + 0.26 | + 0.29 | + 0.25 | - 0.63 | - 0.69 | + 0.91 | - 0.05 |
| 260 | + 0.17 | - 0.06 | - 0.06 | + 0.65 | - 0.15 | - 0.04 | + 0.28 | + 0.29 | + 0.73 | - 0.48 |
| 1182 | - 0.07 | - 0.01 | - 0.01 | - 0.84 | + 0.46 | + 0.12 | - 0.22 | - 0.27 | - 0.50 | + 0.51 |
| 270 | - 0.40 | + 0.36 | + 0.70 | - 2.07 | - 0.05 | - 0.14 | + 0.19 | + 0.43 | - 0.35 | - 0.33 |
| 271 | + 0.07 | - 0.09 | - 0.05 | - 0.45 | + 0.40 | + 0.40 | - 0.63 | - 0.72 | + 2.50 | - 0.42 |
| 269 | - 0.09 | + 0.68 | + 1.17 | - 0.79 | + 0.23 | + 0.09 | - 0.52 | - 0.73 | + 0.33 | + 0.04 |
| 1185 | + 0.05 | - 0.50 | - 0.64 | - 0.94 | + 0.83 | - 0.48 | + 0.61 | + 0.75 | - 0.77 | - 0.50 |
| 273 | - 0.34 | + 0.39 | + 0.53 | - 1.09 | - 0.15 | + 0.23 | - 0.26 | - 0.37 | + 1.31 | - 0.06 |
| 274 | - 0.17 | - 0.52 | - 0.95 | - 1.03 | + 0.58 | + 0.16 | - 0.72 | - 0.93 | - 0.17 | + 0.45 |
| 275 | + 0.44 | - 0.21 | - 0.23 | + 0.70 | + 0.31 | + 0.53 | - 0.28 | - 0.30 | - 1.24 | + 1.67 |
| 1190 | - 0.11 | - 0.46 | - 0.49 | - 0.84 | + 0.73 | + 0.04 | + 0.10 | + 0.10 | + 1.37 | - 1.17 |
| 281 | + 0.09 | - 0.10 | - 0.13 | - 0.59 | + 0.62 | + 0.08 | - 0.05 | - 0.06 | - 2.48 | + 1.49 |
| 276 | - 0.11 | - 1.05 | - 1.36 | - 1.06 | + 0.90 | - 0.17 | + 0.11 | + 0.07 | - 0.30 | - 0.09 |
| 283 | - 0.28 | + 0.38 | + 0.77 | - 1.48 | + 0.00 | - 0.16 | + 0.44 | + 1.05 | + 0.79 | - 1.05 |
| 1191 | - 0.11 | + 0.94 | + 2.04 | - 0.65 | + 0.10 | - 0.07 | + 0.22 | + 0.54 | - 1.69 | + 0.75 |
| 282 | + 0.17 | + 0.67 | + 0.89 | + 0.49 | - 0.23 | - 0.25 | + 0.78 | + 0.87 | - 0.55 | - 0.05 |
| 1193 | - 0.16 | + 0.62 | + 0.78 | - 0.11 | - 0.26 | - 0.20 | + 0.49 | + 0.53 | + 1.49 | - 1.09 |
| 288 | + 0.20 | - 0.27 | - 0.28 | + 0.15 | + 0.28 | + 0.12 | - 0.59 | - 0.63 | - 1.82 | + 1.52 |
| 1198 | - 0.30 | + 0.09 | + 0.12 | - 1.86 | + 0.60 | + 0.10 | - 0.06 | - 0.07 | - 1.50 | + 1.13 |
| 1195 | - 0.07 | + 0.07 | + 0.14 | - 0.80 | + 0.41 | - 0.15 | + 0.30 | + 0.40 | + 0.14 | - 0.40 |
| 1197 | + 0.70 | - 0.56 | - 0.91 | + 0.36 | + 1.61 | - 1.11 | + 0.80 | + 1.33 | + 0.54 | - 2.83 |
| 909 | + 4.33 | - 4.72 | - 5.50 | + 6.82 | + 4.52 | - 1.47 | + 2.18 | + 2.40 | - 0.89 | - 2.06 |
| 293 | + 0.25 | - 0.21 | - 0.24 | + 0.97 | - 0.40 | + 0.47 | - 0.47 | - 0.49 | + 0.58 | + 0.43 |
| 1202 | - 0.20 | + 0.14 | + 0.18 | - 1.40 | + 0.65 | - 0.19 | + 0.21 | + 0.22 | + 0.49 | - 0.51 |
| 1201 | + 0.19 | - 0.34 | - 0.46 | + 1.51 | - 0.53 | - 0.52 | + 0.34 | + 0.39 | + 1.14 | - 1.80 |
| 1199 | - 0.29 | + 1.01 | + 1.48 | - 1.11 | + 0.03 | + 0.29 | - 0.65 | - 0.89 | + 0.03 | + 0.69 |
| 1205 | - 0.19 | + 0.05 | + 0.14 | - 1.52 | + 0.64 | + 0.13 | - 0.12 | - 0.18 | + 1.26 | - 0.46 |
| 299 | - 0.05 | - 0.31 | - 0.45 | - 0.43 | + 0.36 | - 0.08 | + 0.25 | + 0.31 | - 0.34 | + 0.06 |
| 1208 | + 0.13 | - 1.02 | - 1.38 | + 0.19 | + 0.19 | + 0.02 | - 0.17 | - 0.18 | - 0.44 | + 0.37 |
| 1210 | - 0.12 | + 0.05 | + 0.07 | + 0.00 | - 0.33 | - 0.29 | + 0.18 | + 0.29 | + 1.01 | - 1.41 |
| 1209 | - 0.09 | - 0.02 | + 0.01 | - 1.22 | + 0.57 | + 0.01 | - 0.01 | - 0.01 | + 0.14 | - 0.05 |
| 304 | + 0.01 | - 0.95 | - 1.17 | - 0.67 | + 0.51 | - 0.16 | + 0.10 | + 0.08 | - 0.74 | + 0.10 |
| 1212 | + 1.28 | - 4.04 | - 4.93 | + 0.20 | + 2.55 | - 0.43 | + 2.32 | + 3.01 | - 0.53 | - 0.65 |
| 300 | + 0.09 | - 0.05 | - 0.06 | + 0.40 | - 0.10 | - 0.10 | + 0.23 | + 0.27 | + 0.22 | - 0.31 |
| 1211 | - 0.27 | + 0.93 | + 1.63 | - 1.48 | + 0.28 | - 0.08 | - 0.22 | - 0.46 | - 0.76 | + 0.31 |
| 1213 | - 0.27 | + 0.55 | + 0.69 | - 0.86 | - 0.04 | - 0.28 | + 0.37 | + 0.44 | - 1.26 | + 0.11 |
| 306 | + 0.33 | - 0.27 | - 0.41 | + 0.22 | + 0.71 | - 0.38 | + 0.26 | + 0.38 | - 1.73 | + 0.05 |
| 1215 | + 0.14 | - 0.13 | - 0.19 | + 1.54 | - 0.71 | + 0.08 | - 0.25 | - 0.36 | - 0.10 | + 0.28 |
| 311 | - 0.34 | + 1.10 | + 1.53 | - 0.85 | - 0.30 | - 0.16 | + 0.38 | + 0.52 | - 0.71 | - 0.03 |
| 1639 | + 0.01 | - 0.01 | + 0.00 | - 0.86 | + 0.54 | - 0.21 | + 0.29 | + 0.34 | + 0.25 | - 0.45 |
| 313 | + 1.56 | - 0.91 | - 0.96 | + 1.53 | + 1.84 | - 0.53 | + 0.29 | + 0.31 | - 0.99 | - 0.27 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------|------------|-------|-------|-------|--------------------------------|------|------|-------|--|------|------|------|---------|
| FK6 | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu, \alpha^*}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 254 | 81.42 | 90.99 | 90.99 | 49.24 | 6.41 | 0.92 | 0.92 | 13.32 | 0.28 | 0.87 | 1.25 | 0.45 | 0.32 |
| 256 | 65.65 | 91.42 | 91.42 | 46.11 | 11.50 | 0.73 | 0.73 | 15.27 | 0.34 | 0.65 | 0.67 | 0.47 | 0.34 |
| 1661 | 80.82 | 91.15 | 91.15 | 45.97 | 13.80 | 0.46 | 0.46 | 28.75 | 0.56 | 0.53 | 0.54 | 0.95 | 0.64 |
| 1178 | 86.17 | 91.21 | 91.21 | 58.69 | 10.60 | 0.44 | 0.44 | 26.83 | 0.63 | 0.49 | 0.50 | 1.00 | 0.83 |
| 1176 | 83.76 | 91.34 | 91.34 | 62.92 | 8.90 | 0.67 | 0.67 | 17.30 | 0.51 | 0.69 | 0.75 | 0.79 | 0.61 |
| 1180 | 87.77 | 91.14 | 91.14 | 52.78 | 7.39 | 0.36 | 0.36 | 24.62 | 0.48 | 0.41 | 0.43 | 0.77 | 0.64 |
| 267 | 88.32 | 91.55 | 91.55 | 62.27 | 8.67 | 0.43 | 0.43 | 27.17 | 0.69 | 0.45 | 0.47 | 1.21 | 0.93 |
| 261 | 72.28 | 91.04 | 91.04 | 50.91 | 10.21 | 0.82 | 0.82 | 14.90 | 0.35 | 0.90 | 0.98 | 0.50 | 0.37 |
| 259 | 86.41 | 91.43 | 91.43 | 54.32 | 6.44 | 0.40 | 0.40 | 17.77 | 0.39 | 0.40 | 0.42 | 0.69 | 0.48 |
| 266 | 72.85 | 91.49 | 91.49 | 47.43 | 9.80 | 0.74 | 0.74 | 15.12 | 0.34 | 0.68 | 0.72 | 0.51 | 0.34 |
| 260 | 77.62 | 91.18 | 91.18 | 49.92 | 11.65 | 0.34 | 0.34 | 20.29 | 0.45 | 0.37 | 0.37 | 0.72 | 0.49 |
| 1182 | 86.08 | 91.28 | 91.28 | 59.40 | 6.30 | 0.79 | 0.79 | 15.63 | 0.39 | 0.65 | 0.77 | 0.64 | 0.49 |
| 270 | 89.97 | 91.37 | 91.37 | 56.32 | 4.14 | 0.36 | 0.36 | 21.33 | 0.43 | 0.41 | 0.46 | 0.83 | 0.61 |
| 271 | 77.05 | 91.16 | 91.16 | 39.16 | 9.05 | 0.46 | 0.46 | 17.35 | 0.30 | 0.61 | 0.66 | 0.49 | 0.33 |
| 269 | 84.42 | 91.33 | 91.33 | 45.63 | 5.70 | 0.78 | 0.78 | 14.69 | 0.27 | 0.65 | 0.82 | 0.45 | 0.32 |
| 1185 | 84.68 | 91.52 | 91.52 | 63.65 | 7.93 | 0.70 | 0.70 | 16.21 | 0.49 | 0.64 | 0.70 | 0.81 | 0.58 |
| 273 | 88.46 | 91.11 | 91.11 | 47.36 | 4.64 | 0.33 | 0.33 | 18.48 | 0.33 | 0.36 | 0.40 | 0.59 | 0.42 |
| 274 | 79.90 | 91.12 | 91.12 | 54.67 | 8.30 | 0.86 | 0.86 | 14.92 | 0.36 | 1.10 | 1.46 | 0.54 | 0.41 |
| 275 | 82.20 | 91.17 | 91.17 | 60.24 | 14.49 | 0.46 | 0.46 | 26.82 | 0.73 | 0.60 | 0.61 | 1.12 | 0.87 |
| 1190 | 77.47 | 91.22 | 91.22 | 65.49 | 11.95 | 0.60 | 0.60 | 16.34 | 0.63 | 0.81 | 0.84 | 0.89 | 0.64 |
| 281 | 87.94 | 91.20 | 91.20 | 57.25 | 8.03 | 0.48 | 0.48 | 25.76 | 0.57 | 0.53 | 0.56 | 0.97 | 0.76 |
| 276 | 78.43 | 91.17 | 91.17 | 56.05 | 10.03 | 0.79 | 0.79 | 16.63 | 0.42 | 1.08 | 1.26 | 0.60 | 0.47 |
| 283 | 89.75 | 91.07 | 91.07 | 51.25 | 3.90 | 0.36 | 0.36 | 20.49 | 0.37 | 0.38 | 0.44 | 0.69 | 0.51 |
| 1191 | 84.57 | 91.40 | 91.40 | 58.88 | 7.22 | 0.94 | 0.94 | 15.82 | 0.41 | 0.96 | 1.34 | 0.65 | 0.49 |
| 282 | 68.71 | 91.54 | 91.54 | 51.36 | 10.41 | 0.86 | 0.86 | 13.84 | 0.35 | 1.23 | 1.40 | 0.48 | 0.35 |
| 1193 | 81.84 | 91.53 | 91.53 | 53.61 | 7.92 | 0.71 | 0.71 | 15.79 | 0.37 | 0.67 | 0.74 | 0.60 | 0.42 |
| 288 | 75.62 | 91.27 | 91.27 | 56.14 | 12.56 | 0.44 | 0.44 | 18.83 | 0.52 | 0.56 | 0.57 | 0.78 | 0.54 |
| 1198 | 87.52 | 91.25 | 91.25 | 63.27 | 9.97 | 0.41 | 0.41 | 27.31 | 0.74 | 0.46 | 0.47 | 1.29 | 0.98 |
| 1195 | 84.29 | 90.94 | 90.94 | 63.89 | 8.21 | 0.78 | 0.78 | 16.34 | 0.51 | 0.85 | 0.98 | 0.83 | 0.60 |
| 1197 | 89.39 | 91.29 | 91.29 | 59.43 | 5.28 | 0.42 | 0.42 | 21.78 | 0.50 | 0.44 | 0.48 | 1.00 | 0.68 |
| 909 | 85.88 | 91.18 | 91.18 | 32.68 | 9.18 | 0.42 | 0.42 | 30.30 | 0.45 | 0.47 | 0.49 | 0.94 | 0.52 |
| 293 | 73.17 | 91.00 | 91.00 | 54.94 | 10.84 | 0.52 | 0.52 | 15.36 | 0.42 | 0.60 | 0.62 | 0.62 | 0.43 |
| 1202 | 78.20 | 91.24 | 91.24 | 50.05 | 10.88 | 0.54 | 0.54 | 19.34 | 0.43 | 0.66 | 0.69 | 0.67 | 0.47 |
| 1201 | 83.51 | 91.44 | 91.44 | 61.93 | 10.15 | 0.80 | 0.80 | 19.72 | 0.59 | 0.79 | 0.86 | 1.00 | 0.67 |
| 1199 | 83.82 | 91.33 | 91.33 | 66.61 | 9.72 | 0.86 | 0.86 | 17.68 | 0.63 | 0.96 | 1.09 | 1.03 | 0.72 |
| 1205 | 81.62 | 91.40 | 91.40 | 60.22 | 8.66 | 0.87 | 0.87 | 15.53 | 0.46 | 0.91 | 1.05 | 0.75 | 0.50 |
| 299 | 81.64 | 91.02 | 91.02 | 57.93 | 8.09 | 0.75 | 0.75 | 15.09 | 0.38 | 0.91 | 1.09 | 0.55 | 0.46 |
| 1208 | 80.87 | 91.48 | 91.48 | 58.76 | 8.24 | 0.78 | 0.78 | 14.56 | 0.39 | 0.83 | 0.94 | 0.57 | 0.45 |
| 1210 | 89.78 | 91.17 | 91.17 | 60.04 | 5.19 | 0.33 | 0.33 | 23.96 | 0.52 | 0.38 | 0.41 | 0.96 | 0.77 |
| 1209 | 84.00 | 91.09 | 91.09 | 57.83 | 8.41 | 0.85 | 0.85 | 18.12 | 0.47 | 0.89 | 1.05 | 0.79 | 0.55 |
| 304 | 77.44 | 91.30 | 91.30 | 54.32 | 10.22 | 0.80 | 0.80 | 16.70 | 0.44 | 0.97 | 1.08 | 0.72 | 0.45 |
| 1212 | 82.30 | 91.31 | 91.31 | 57.45 | 11.25 | 0.59 | 0.59 | 21.86 | 0.58 | 0.79 | 0.85 | 0.98 | 0.65 |
| 300 | 84.17 | 91.21 | 91.21 | 50.68 | 7.47 | 0.38 | 0.38 | 17.87 | 0.37 | 0.40 | 0.42 | 0.61 | 0.44 |
| 1211 | 86.18 | 91.49 | 91.49 | 58.56 | 6.03 | 0.77 | 0.77 | 15.19 | 0.38 | 0.67 | 0.83 | 0.63 | 0.46 |
| 1213 | 82.76 | 91.15 | 91.15 | 60.19 | 9.56 | 0.64 | 0.64 | 18.29 | 0.53 | 0.73 | 0.79 | 0.92 | 0.59 |
| 306 | 89.26 | 91.26 | 91.26 | 56.31 | 5.69 | 0.41 | 0.41 | 23.83 | 0.48 | 0.41 | 0.44 | 0.84 | 0.68 |
| 1215 | 87.29 | 91.32 | 91.32 | 57.53 | 6.30 | 0.31 | 0.31 | 18.37 | 0.42 | 0.36 | 0.38 | 0.72 | 0.54 |
| 311 | 85.55 | 91.30 | 91.30 | 50.35 | 5.80 | 0.53 | 0.53 | 15.54 | 0.32 | 0.51 | 0.58 | 0.57 | 0.38 |
| 1639 | 86.78 | 91.02 | 91.02 | 55.56 | 8.49 | 0.46 | 0.46 | 24.06 | 0.54 | 0.53 | 0.56 | 0.93 | 0.68 |
| 313 | 80.42 | 91.30 | 91.30 | 58.42 | 13.62 | 0.38 | 0.38 | 23.70 | 0.61 | 0.42 | 0.42 | 0.88 | 0.72 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 254 | 82.27 | 91.55 | 91.55 | 35.39 | 6.65 | 0.40 | 0.40 | 16.54 | 0.26 | 0.53 | 0.66 | 0.48 | 0.29 |
| 256 | 63.05 | 91.62 | 91.62 | 38.28 | 11.94 | 0.39 | 0.39 | 16.37 | 0.34 | 0.49 | 0.50 | 0.51 | 0.31 |
| 1661 | 78.74 | 91.39 | 91.39 | 30.57 | 14.01 | 0.46 | 0.46 | 30.86 | 0.48 | 0.56 | 0.57 | 0.96 | 0.51 |
| 1178 | 86.70 | 91.20 | 91.20 | 45.71 | 10.95 | 0.46 | 0.46 | 34.64 | 0.61 | 0.54 | 0.56 | 1.09 | 0.76 |
| 1176 | 84.87 | 91.53 | 91.53 | 55.60 | 9.39 | 0.45 | 0.45 | 22.17 | 0.50 | 0.49 | 0.51 | 0.81 | 0.62 |
| 1180 | 87.71 | 91.13 | 91.13 | 38.88 | 7.49 | 0.40 | 0.40 | 28.89 | 0.45 | 0.53 | 0.57 | 0.84 | 0.55 |
| 267 | 88.40 | 91.27 | 91.27 | 50.16 | 8.82 | 0.38 | 0.38 | 33.48 | 0.63 | 0.43 | 0.44 | 1.17 | 0.81 |
| 261 | 71.34 | 91.44 | 91.44 | 37.24 | 11.13 | 0.42 | 0.42 | 18.33 | 0.33 | 0.52 | 0.54 | 0.54 | 0.34 |
| 259 | 86.20 | 91.24 | 91.24 | 41.29 | 6.56 | 0.43 | 0.43 | 20.63 | 0.34 | 0.49 | 0.53 | 0.62 | 0.41 |
| 266 | 74.23 | 91.45 | 91.45 | 40.68 | 10.47 | 0.52 | 0.52 | 18.05 | 0.35 | 0.56 | 0.58 | 0.62 | 0.36 |
| 260 | 74.08 | 91.16 | 91.16 | 34.36 | 11.89 | 0.42 | 0.42 | 21.65 | 0.36 | 0.46 | 0.47 | 0.61 | 0.38 |
| 1182 | 86.45 | 91.49 | 91.49 | 52.13 | 6.42 | 0.42 | 0.42 | 18.25 | 0.38 | 0.44 | 0.47 | 0.68 | 0.46 |
| 270 | 90.28 | 91.32 | 91.32 | 50.21 | 4.17 | 0.40 | 0.40 | 26.83 | 0.47 | 0.47 | 0.55 | 0.98 | 0.65 |
| 271 | 78.32 | 91.56 | 91.56 | 31.03 | 9.41 | 0.44 | 0.44 | 20.28 | 0.32 | 0.53 | 0.56 | 0.59 | 0.34 |
| 269 | 84.00 | 91.56 | 91.56 | 35.76 | 5.73 | 0.46 | 0.46 | 15.78 | 0.25 | 0.51 | 0.58 | 0.47 | 0.28 |
| 1185 | 85.03 | 91.60 | 91.60 | 57.27 | 8.19 | 0.40 | 0.40 | 19.10 | 0.48 | 0.49 | 0.51 | 0.86 | 0.56 |
| 273 | 88.97 | 91.23 | 91.23 | 36.58 | 4.69 | 0.37 | 0.37 | 23.00 | 0.34 | 0.41 | 0.47 | 0.67 | 0.42 |
| 274 | 81.57 | 91.57 | 91.57 | 44.85 | 8.85 | 0.49 | 0.49 | 19.35 | 0.36 | 0.59 | 0.67 | 0.57 | 0.41 |
| 275 | 82.52 | 91.30 | 91.30 | 49.00 | 15.33 | 0.43 | 0.43 | 33.73 | 0.69 | 0.46 | 0.47 | 1.16 | 0.80 |
| 1190 | 79.67 | 91.58 | 91.58 | 59.41 | 13.97 | 0.39 | 0.39 | 23.16 | 0.64 | 0.44 | 0.45 | 0.95 | 0.72 |
| 281 | 88.50 | 91.20 | 91.20 | 45.35 | 8.19 | 0.40 | 0.40 | 33.52 | 0.56 | 0.40 | 0.42 | 1.03 | 0.73 |
| 276 | 79.70 | 91.67 | 91.67 | 46.30 | 10.83 | 0.41 | 0.41 | 21.34 | 0.41 | 0.58 | 0.61 | 0.65 | 0.47 |
| 283 | 90.20 | 91.26 | 91.26 | 41.84 | 3.94 | 0.44 | 0.44 | 26.93 | 0.40 | 0.48 | 0.60 | 0.78 | 0.54 |
| 1191 | 86.10 | 91.86 | 91.86 | 49.50 | 7.56 | 0.57 | 0.57 | 21.37 | 0.42 | 0.52 | 0.61 | 0.74 | 0.50 |
| 282 | 66.90 | 91.81 | 91.81 | 36.71 | 11.74 | 0.57 | 0.57 | 17.56 | 0.33 | 0.58 | 0.62 | 0.51 | 0.32 |
| 1193 | 82.59 | 91.56 | 91.56 | 47.70 | 8.17 | 0.42 | 0.42 | 18.29 | 0.37 | 0.45 | 0.47 | 0.67 | 0.42 |
| 288 | 79.42 | 91.18 | 91.18 | 51.27 | 14.15 | 0.46 | 0.46 | 26.02 | 0.58 | 0.68 | 0.70 | 0.93 | 0.65 |
| 1198 | 88.29 | 91.32 | 91.32 | 53.00 | 10.29 | 0.40 | 0.40 | 36.96 | 0.73 | 0.41 | 0.42 | 1.28 | 0.96 |
| 1195 | 86.01 | 91.02 | 91.02 | 54.83 | 8.77 | 0.55 | 0.55 | 23.19 | 0.52 | 0.65 | 0.71 | 0.90 | 0.64 |
| 1197 | 89.67 | 91.38 | 91.38 | 53.06 | 5.32 | 0.42 | 0.42 | 25.99 | 0.51 | 0.44 | 0.48 | 1.12 | 0.68 |
| 909 | 84.06 | 91.14 | 91.14 | 23.76 | 9.10 | 0.42 | 0.42 | 27.90 | 0.36 | 0.46 | 0.48 | 0.68 | 0.41 |
| 293 | 75.74 | 91.54 | 91.54 | 46.23 | 12.38 | 0.37 | 0.37 | 21.09 | 0.43 | 0.38 | 0.38 | 0.68 | 0.47 |
| 1202 | 78.79 | 91.67 | 91.67 | 40.09 | 11.44 | 0.35 | 0.35 | 23.18 | 0.43 | 0.35 | 0.35 | 0.78 | 0.45 |
| 1201 | 85.03 | 91.47 | 91.47 | 59.14 | 10.61 | 0.39 | 0.39 | 24.10 | 0.61 | 0.40 | 0.41 | 1.00 | 0.75 |
| 1199 | 86.04 | 91.74 | 91.74 | 61.27 | 10.55 | 0.61 | 0.61 | 25.18 | 0.66 | 0.71 | 0.76 | 1.05 | 0.83 |
| 1205 | 82.07 | 91.21 | 91.21 | 53.31 | 9.08 | 0.66 | 0.66 | 18.46 | 0.44 | 0.71 | 0.78 | 0.76 | 0.49 |
| 299 | 82.98 | 91.35 | 91.35 | 48.25 | 8.58 | 0.38 | 0.38 | 19.56 | 0.38 | 0.60 | 0.65 | 0.62 | 0.45 |
| 1208 | 82.81 | 91.31 | 91.31 | 50.45 | 8.89 | 0.61 | 0.61 | 19.54 | 0.40 | 0.70 | 0.76 | 0.63 | 0.48 |
| 1210 | 90.07 | 91.41 | 91.41 | 51.35 | 5.24 | 0.41 | 0.41 | 30.03 | 0.52 | 0.42 | 0.45 | 0.98 | 0.75 |
| 1209 | 85.67 | 91.28 | 91.28 | 48.99 | 8.82 | 0.45 | 0.45 | 24.26 | 0.49 | 0.71 | 0.78 | 0.89 | 0.57 |
| 304 | 78.60 | 91.05 | 91.05 | 44.57 | 11.02 | 0.47 | 0.47 | 21.18 | 0.43 | 0.65 | 0.69 | 0.76 | 0.46 |
| 1212 | 83.08 | 91.34 | 91.34 | 48.37 | 11.81 | 0.55 | 0.55 | 27.03 | 0.57 | 0.86 | 0.93 | 1.08 | 0.63 |
| 300 | 83.98 | 91.29 | 91.29 | 40.78 | 7.60 | 0.40 | 0.40 | 20.02 | 0.34 | 0.45 | 0.48 | 0.58 | 0.40 |
| 1211 | 87.24 | 91.42 | 91.42 | 47.66 | 6.22 | 0.47 | 0.47 | 20.43 | 0.38 | 0.47 | 0.53 | 0.67 | 0.47 |
| 1213 | 83.97 | 91.15 | 91.15 | 53.13 | 10.08 | 0.50 | 0.50 | 23.07 | 0.53 | 0.63 | 0.66 | 0.97 | 0.61 |
| 306 | 89.59 | 91.33 | 91.33 | 42.45 | 5.76 | 0.40 | 0.40 | 31.15 | 0.47 | 0.38 | 0.41 | 0.90 | 0.64 |
| 1215 | 87.56 | 91.36 | 91.36 | 45.65 | 6.44 | 0.43 | 0.43 | 22.57 | 0.38 | 0.51 | 0.57 | 0.63 | 0.49 |
| 311 | 86.85 | 91.04 | 91.04 | 40.22 | 5.98 | 0.48 | 0.48 | 20.46 | 0.34 | 0.51 | 0.57 | 0.66 | 0.40 |
| 1639 | 85.32 | 91.21 | 91.21 | 41.26 | 8.51 | 0.43 | 0.43 | 24.72 | 0.43 | 0.47 | 0.49 | 0.84 | 0.49 |
| 313 | 80.13 | 91.47 | 91.47 | 44.05 | 14.54 | 0.40 | 0.40 | 29.95 | 0.55 | 0.42 | 0.42 | 0.88 | 0.63 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|------------|-----------|-------|-------|-----------------------|------|------|---------------------------------|-------------------------------|--|--------------------------------------|
| FK6 No. | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ [mas] | $\Delta\delta_{sys}$ [mas] | $\Delta\mu_{\alpha^*,sys}$ [mas/yr] | $\Delta\mu_{\delta,sys}$ [mas/yr] |
| | SI | STP | HIP | SI | STP | HIP | | | | |
| 254 | 3.62 | 3.63 | 3.61 | 0.91 | 0.91 | 0.91 | + 33.85 | - 61.10 | - 1.43 | - 0.61 |
| 256 | 56.90 | 57.02 | 57.02 | 0.79 | 0.83 | 0.83 | + 8.82 | - 82.04 | - 0.49 | - 0.68 |
| 1661 | 25.43 | 25.54 | 25.55 | 0.51 | 0.52 | 0.52 | + 59.87 | - 110.29 | - 0.48 | + 0.79 |
| 1178 | 9.97 | 9.87 | 9.85 | 0.55 | 0.56 | 0.56 | - 102.96 | - 85.02 | + 1.78 | - 2.36 |
| 1176 | 7.55 | 7.69 | 7.69 | 0.78 | 0.78 | 0.78 | - 15.83 | - 7.65 | + 0.49 | + 1.20 |
| 1180 | 4.22 | 4.15 | 4.13 | 0.50 | 0.50 | 0.50 | - 88.54 | - 92.38 | + 1.82 | - 1.65 |
| 267 | 5.83 | 5.84 | 5.84 | 0.45 | 0.45 | 0.45 | + 36.25 | - 35.67 | - 3.36 | - 0.82 |
| 261 | 16.55 | 16.59 | 16.59 | 0.85 | 0.85 | 0.85 | + 17.70 | - 43.06 | - 0.40 | + 0.16 |
| 259 | 3.36 | 3.28 | 3.26 | 0.61 | 0.62 | 0.62 | + 19.61 | + 19.26 | - 1.28 | - 0.09 |
| 266 | 12.80 | 12.92 | 12.94 | 0.84 | 0.87 | 0.87 | - 38.99 | - 104.98 | - 0.06 | - 0.53 |
| 260 | 17.41 | 17.43 | 17.43 | 0.53 | 0.53 | 0.53 | - 5.02 | - 17.89 | - 2.77 | + 0.14 |
| 1182 | 1.96 | 1.97 | 1.97 | 0.85 | 0.86 | 0.86 | + 20.38 | - 63.23 | - 1.47 | - 0.57 |
| 270 | 1.28 | 1.27 | 1.27 | 0.56 | 0.56 | 0.56 | - 54.27 | - 89.85 | + 0.08 | - 0.30 |
| 271 | 8.18 | 8.12 | 8.11 | 0.63 | 0.63 | 0.63 | - 44.39 | - 98.27 | - 0.38 | - 0.32 |
| 269 | 2.67 | 2.76 | 2.79 | 0.81 | 0.81 | 0.81 | - 1.16 | - 64.09 | - 1.45 | - 0.60 |
| 1185 | 5.51 | 5.70 | 5.74 | 0.85 | 0.86 | 0.86 | - 21.15 | - 103.30 | + 0.30 | - 0.89 |
| 273 | 1.83 | 1.82 | 1.82 | 0.55 | 0.56 | 0.56 | - 59.55 | - 90.17 | + 1.15 | - 0.61 |
| 274 | 7.39 | 7.13 | 7.02 | 0.86 | 0.89 | 0.91 | - 13.01 | - 36.06 | - 0.34 | + 0.65 |
| 275 | 47.20 | 47.22 | 47.22 | 0.53 | 0.53 | 0.53 | - 50.20 | - 46.60 | + 3.14 | - 3.05 |
| 1190 | 59.29 | 59.31 | 59.31 | 0.69 | 0.69 | 0.69 | - 40.59 | - 10.04 | + 0.75 | + 1.33 |
| 281 | 4.93 | 4.94 | 4.94 | 0.46 | 0.46 | 0.46 | + 26.38 | - 20.45 | - 2.02 | - 1.18 |
| 276 | 12.42 | 12.25 | 12.18 | 0.87 | 0.91 | 0.92 | - 22.84 | - 31.77 | - 0.12 | + 0.82 |
| 283 | 0.83 | 0.92 | 1.02 | 0.56 | 0.57 | 0.57 | - 65.96 | - 89.94 | + 1.96 | - 1.10 |
| 1191 | 4.17 | 4.30 | 4.48 | 0.94 | 0.95 | 0.96 | - 29.80 | - 32.53 | - 0.10 | + 0.84 |
| 282 | 25.87 | 25.90 | 25.90 | 0.91 | 0.91 | 0.91 | + 6.65 | - 57.46 | - 1.19 | - 0.25 |
| 1193 | 6.04 | 5.86 | 5.82 | 0.78 | 0.79 | 0.79 | - 6.55 | - 86.98 | - 0.08 | - 0.50 |
| 288 | 38.87 | 38.91 | 38.91 | 0.65 | 0.66 | 0.66 | - 53.46 | - 87.82 | - 0.16 | - 0.15 |
| 1198 | 8.28 | 8.28 | 8.28 | 0.45 | 0.45 | 0.45 | - 71.17 | - 34.94 | + 2.45 | - 2.80 |
| 1195 | 6.30 | 6.30 | 6.29 | 0.82 | 0.83 | 0.84 | - 58.58 | - 13.16 | + 0.87 | + 1.38 |
| 1197 | 1.76 | 1.86 | 1.92 | 0.63 | 0.63 | 0.63 | - 55.47 | - 89.23 | - 0.49 | - 0.11 |
| 909 | 6.35 | 6.51 | 6.53 | 0.50 | 0.50 | 0.50 | + 3.84 | + 9.24 | - 4.03 | + 1.64 |
| 293 | 22.55 | 22.60 | 22.61 | 0.79 | 0.80 | 0.80 | - 55.69 | - 102.87 | + 0.67 | - 0.63 |
| 1202 | 13.75 | 13.80 | 13.80 | 0.71 | 0.71 | 0.71 | - 53.34 | - 98.06 | + 0.41 | - 0.35 |
| 1201 | 10.29 | 10.41 | 10.44 | 0.83 | 0.84 | 0.84 | - 15.59 | - 92.94 | + 0.31 | - 0.50 |
| 1199 | 9.38 | 9.81 | 9.99 | 0.93 | 0.97 | 0.99 | - 44.93 | - 40.76 | - 0.11 | + 0.68 |
| 1205 | 7.76 | 7.79 | 7.76 | 0.96 | 1.00 | 1.02 | - 49.77 | - 95.72 | + 0.04 | - 0.96 |
| 299 | 6.46 | 6.43 | 6.42 | 0.84 | 0.86 | 0.86 | - 78.73 | - 11.67 | + 0.91 | + 1.57 |
| 1208 | 6.80 | 6.99 | 7.06 | 0.88 | 0.90 | 0.90 | - 24.10 | - 72.06 | - 0.86 | - 0.30 |
| 1210 | 2.18 | 2.23 | 2.26 | 0.57 | 0.58 | 0.58 | - 67.83 | - 88.42 | + 2.61 | - 1.26 |
| 1209 | 6.28 | 6.30 | 6.30 | 0.91 | 0.93 | 0.93 | - 63.80 | - 22.75 | + 0.73 | + 1.31 |
| 304 | 12.78 | 13.01 | 13.06 | 0.92 | 0.95 | 0.96 | - 59.77 | - 92.73 | + 0.63 | - 0.84 |
| 1212 | 13.59 | 13.69 | 13.69 | 0.80 | 0.81 | 0.81 | - 61.43 | - 90.50 | + 0.03 | - 0.09 |
| 300 | 4.68 | 4.66 | 4.66 | 0.57 | 0.58 | 0.58 | - 34.97 | - 13.08 | - 1.46 | + 0.15 |
| 1211 | 3.33 | 3.09 | 2.90 | 0.86 | 0.88 | 0.89 | - 11.15 | - 65.21 | - 0.98 | - 0.29 |
| 1213 | 9.56 | 9.25 | 9.18 | 0.91 | 0.94 | 0.95 | - 65.83 | - 97.81 | + 0.80 | - 0.75 |
| 306 | 2.33 | 2.33 | 2.33 | 0.51 | 0.51 | 0.51 | - 71.00 | - 73.38 | + 2.84 | - 2.56 |
| 1215 | 3.11 | 3.08 | 3.07 | 0.65 | 0.65 | 0.65 | - 45.08 | + 14.87 | - 0.68 | + 0.22 |
| 311 | 2.89 | 2.71 | 2.65 | 0.75 | 0.76 | 0.76 | - 61.04 | - 96.13 | + 0.62 | - 0.22 |
| 1639 | 5.74 | 5.74 | 5.74 | 0.55 | 0.55 | 0.55 | - 38.64 | - 2.80 | - 2.16 | + 1.13 |
| 313 | 35.19 | 35.07 | 35.06 | 0.53 | 0.53 | 0.53 | - 76.69 | - 84.69 | + 2.65 | - 2.22 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|------------|---------------------------------------|-------------------------------------|--|--|-----------|----------|----------|--------------|----------|----------------------|
| FK6 No. | $\varepsilon_{\alpha^*,sys}$ [mas] | $\varepsilon_{\delta,sys}$ [mas] | $\varepsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\varepsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 254 | 9.33 | 6.45 | 0.28 | 0.19 | 1 | 1.52 | 1.74 | 2.04 | 1.65 | 155 |
| 256 | 9.77 | 6.33 | 0.26 | 0.15 | 1 | 0.27 | 0.65 | 1.50 | 0.89 | 156 |
| 1661 | 18.60 | 16.08 | 0.67 | 0.44 | 1 | 1.46 | 2.00 | 0.11 | 1.53 | |
| 1178 | 9.72 | 6.58 | 0.30 | 0.18 | 1 | 1.93 | 3.16 | 0.69 | 2.07 | 157 |
| 1176 | 10.85 | 6.98 | 0.30 | 0.22 | | 3.66 | 8.12 | 5.38 | 3.48 | 158 |
| 1180 | 9.31 | 6.85 | 0.28 | 0.18 | 1 | 1.81 | 2.51 | 0.44 | 1.99 | |
| 267 | 13.21 | 9.83 | 0.46 | 0.24 | 1 | 1.36 | 0.63 | 1.52 | 1.16 | |
| 261 | 9.82 | 6.50 | 0.29 | 0.18 | 1 | 1.35 | 1.47 | 1.47 | 1.30 | 159 |
| 259 | 13.00 | 9.89 | 0.47 | 0.24 | 1 | 0.60 | 0.84 | 2.51 | 0.17 | 160 |
| 266 | 9.51 | 5.93 | 0.26 | 0.14 | 1 | 3.02 | 2.81 | 2.89 | 1.35 | 161 |
| 260 | 15.42 | 12.77 | 0.54 | 0.27 | 1 | 1.02 | 1.27 | 1.90 | 1.91 | 162 |
| 1182 | 9.19 | 6.63 | 0.29 | 0.19 | 1 | 0.85 | 1.24 | 0.95 | 2.03 | |
| 270 | 9.04 | 6.63 | 0.29 | 0.18 | 1 | 2.98 | 1.30 | 2.37 | 1.96 | 163 |
| 271 | 9.22 | 6.46 | 0.26 | 0.16 | 1 | 4.03 | 1.01 | 4.56 | 4.53 | 164 |
| 269 | 9.41 | 6.80 | 0.29 | 0.19 | 1 | 2.50 | 1.57 | 1.89 | 1.90 | 165 |
| 1185 | 8.28 | 6.27 | 0.27 | 0.16 | 1 | 1.57 | 2.22 | 1.37 | 1.80 | 166 |
| 273 | 9.01 | 6.29 | 0.29 | 0.18 | 1 | 3.19 | 1.33 | 1.28 | 2.16 | 167 |
| 274 | 9.25 | 7.06 | 0.30 | 0.19 | 1 | 0.95 | 1.77 | 0.68 | 2.52 | 168 |
| 275 | 10.07 | 7.00 | 0.29 | 0.21 | 1 | 1.02 | 2.23 | 1.27 | 2.09 | |
| 1190 | 9.79 | 6.92 | 0.29 | 0.21 | 1 | 1.26 | 1.97 | 1.07 | 2.58 | |
| 281 | 12.03 | 9.93 | 0.44 | 0.25 | 1 | 2.23 | 2.03 | 0.84 | 3.29 | 169 |
| 276 | 9.35 | 7.42 | 0.30 | 0.19 | 1 | 0.53 | 1.84 | 1.16 | 2.58 | 170 |
| 283 | 9.18 | 6.88 | 0.29 | 0.18 | 1 | 2.74 | 2.70 | 2.55 | 2.58 | 171 |
| 1191 | 9.25 | 7.52 | 0.30 | 0.19 | 1 | 2.57 | 1.63 | 2.55 | 2.87 | 172 |
| 282 | 8.85 | 6.82 | 0.29 | 0.19 | 1 | 1.87 | 1.32 | 2.59 | 1.48 | 173 |
| 1193 | 8.61 | 6.74 | 0.25 | 0.16 | 1 | 1.45 | 3.00 | 1.91 | 3.28 | |
| 288 | 8.58 | 7.22 | 0.29 | 0.19 | 1 | 1.09 | 2.44 | 3.04 | 2.94 | 174 |
| 1198 | 10.79 | 8.33 | 0.34 | 0.23 | 1 | 1.81 | 1.23 | 0.23 | 2.24 | 175 |
| 1195 | 9.76 | 7.25 | 0.28 | 0.20 | 1 | 0.75 | 0.89 | 0.35 | 1.28 | |
| 1197 | 8.74 | 7.08 | 0.27 | 0.18 | 1 | 1.31 | 5.83 | 2.44 | 2.77 | 176 |
| 909 | 24.17 | 20.11 | 0.87 | 0.52 | | 12.43 | 16.19 | 18.78 | 2.60 | 177 |
| 293 | 7.54 | 6.67 | 0.26 | 0.15 | 1 | 1.91 | 1.56 | 4.08 | 1.84 | |
| 1202 | 8.39 | 7.14 | 0.25 | 0.17 | 1 | 1.70 | 1.46 | 1.60 | 2.75 | 178 |
| 1201 | 8.16 | 7.02 | 0.25 | 0.16 | 1 | 1.70 | 2.61 | 0.91 | 2.90 | 179 |
| 1199 | 9.15 | 7.29 | 0.29 | 0.19 | 1 | 1.79 | 1.64 | 2.09 | 1.03 | 180 |
| 1205 | 7.11 | 7.16 | 0.27 | 0.18 | 1 | 1.77 | 0.50 | 0.37 | 3.06 | 181 |
| 299 | 9.91 | 7.65 | 0.28 | 0.21 | 1 | 0.73 | 0.72 | 1.22 | 1.22 | |
| 1208 | 8.52 | 7.60 | 0.26 | 0.19 | 1 | 1.44 | 1.67 | 1.13 | 1.02 | 182 |
| 1210 | 9.00 | 7.77 | 0.28 | 0.19 | 1 | 0.67 | 2.02 | 1.17 | 1.99 | |
| 1209 | 9.71 | 7.72 | 0.28 | 0.20 | 1 | 0.95 | 0.48 | 2.01 | 1.87 | |
| 304 | 7.30 | 6.91 | 0.26 | 0.17 | 1 | 0.97 | 1.48 | 0.40 | 1.68 | |
| 1212 | 8.74 | 7.39 | 0.26 | 0.18 | | 4.48 | 7.33 | 5.74 | 2.02 | |
| 300 | 13.56 | 11.83 | 0.44 | 0.26 | 1 | 0.63 | 0.93 | 3.30 | 1.00 | 183 |
| 1211 | 8.68 | 7.51 | 0.28 | 0.20 | 1 | 3.18 | 1.58 | 2.48 | 2.62 | 184 |
| 1213 | 7.59 | 6.93 | 0.26 | 0.17 | 1 | 1.96 | 0.84 | 0.56 | 1.42 | 185 |
| 306 | 9.31 | 8.26 | 0.31 | 0.20 | 1 | 2.21 | 1.44 | 1.81 | 1.68 | 186 |
| 1215 | 11.70 | 10.42 | 0.41 | 0.27 | 1 | 2.13 | 1.30 | 1.17 | 2.54 | 187 |
| 311 | 8.52 | 7.40 | 0.26 | 0.18 | 1 | 3.28 | 2.78 | 1.51 | 1.19 | 188 |
| 1639 | 18.12 | 15.38 | 0.61 | 0.45 | 1 | 0.80 | 1.32 | 2.38 | 1.41 | 189 |
| 313 | 9.29 | 7.40 | 0.28 | 0.20 | 1 | 2.90 | 3.45 | 3.51 | 0.72 | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------|------------|---------------------------|-----------------------------|-----------------------------|--|--------------------------------------|
| FK6 No. | HIP No. | Name | α (SI) 2000 h m s | δ (SI) 2000 ° ′ ″ | μ_{α^*} (SI) 2000 [mas/yr] | μ_{δ} (SI) 2000 [mas/yr] |
| 1218 | 40766 | 7 G. Hya | 8 19 15.082 630 | - 10 9 56.701 70 | - 42.72 | + 38.22 |
| 310 | 40793 | Br 1147 Cam | 8 19 32.290 147 | + 75 45 24.866 97 | + 32.81 | + 15.70 |
| 1217 | 40843 | χ Cnc | 8 20 3.860 898 | + 27 13 3.737 07 | - 17.39 | - 377.12 |
| 1219 | 40945 | 294 G. Pup | 8 21 23.026 593 | - 33 3 15.712 14 | - 11.15 | + 3.10 |
| 314 | 41075 | 31 Lyn | 8 22 50.110 627 | + 43 11 17.285 85 | - 24.36 | - 97.66 |
| 316 | 41307 | Br 1197 Hya | 8 25 39.631 976 | - 3 54 23.118 41 | - 66.57 | - 23.47 |
| 319 | 41312 | β Vol | 8 25 44.194 669 | - 66 8 12.804 31 | - 35.77 | - 152.09 |
| 1222 | 41578 | 29 Cnc | 8 28 37.339 495 | + 14 12 38.973 43 | - 13.66 | - 11.61 |
| 321 | 41909 | η Cnc | 8 32 42.496 173 | + 20 26 28.190 51 | - 45.93 | - 43.80 |
| 320 | 41935 | Grb 1450 Lyn | 8 32 54.979 059 | + 38 0 58.931 99 | - 103.52 | - 171.46 |
| 324 | 42312 | 48 G. Vel | 8 37 38.633 050 | - 42 59 20.689 00 | - 10.44 | + 9.64 |
| 1223 | 42313 | δ Hya | 8 37 39.367 574 | + 5 42 13.619 15 | - 67.95 | - 6.46 |
| 1224 | 42402 | σ Hya | 8 38 45.436 928 | + 3 20 29.168 01 | - 20.29 | - 16.12 |
| 323 | 42452 | Grb 1460 UMa | 8 39 17.623 205 | + 52 42 41.850 68 | - 29.10 | - 30.43 |
| 322 | 42484 | Grb 1446 Cam | 8 39 42.608 390 | + 73 37 46.836 16 | - 13.85 | - 99.62 |
| 325 | 42509 | 6 Hya | 8 40 1.471 305 | - 12 28 31.352 09 | - 80.48 | - 0.46 |
| 1225 | 42604 | 34 Lyn | 8 41 1.069 356 | + 45 50 2.429 04 | + 25.48 | + 91.68 |
| 331 | 42637 | η Cha | 8 41 19.513 378 | - 78 57 48.098 53 | - 28.94 | + 27.01 |
| 1228 | 42806 | γ Cnc | 8 43 17.146 981 | + 21 28 6.602 25 | - 105.45 | - 39.28 |
| 327 | 42828 | α Pyx | 8 43 35.537 633 | - 33 11 10.987 50 | - 14.13 | + 10.66 |
| 1229 | 42928 | 25 G. Pyx | 8 44 55.148 248 | - 21 10 4.181 60 | - 24.30 | + 3.39 |
| 1230 | 43305 | 14 Hya | 8 49 21.725 962 | - 3 26 34.892 82 | - 20.08 | - 22.69 |
| 332 | 43409 | γ Pyx | 8 50 31.923 165 | - 27 42 35.439 48 | - 133.79 | + 88.20 |
| 1231 | 43798 | 80 G. Hya | 8 55 12.430 398 | - 18 14 28.283 50 | + 18.38 | + 6.89 |
| 334 | 43813 | ζ Hya | 8 55 23.626 004 | + 5 56 44.031 33 | - 100.35 | + 15.05 |
| 918 | 43908 | ζ Oct | 8 56 40.979 257 | - 85 39 47.350 11 | - 117.18 | + 33.54 |
| 1235 | 44356 | 92 G. Hya | 9 1 57.987 909 | - 0 28 57.628 14 | - 47.23 | + 68.82 |
| 343 | 44382 | α Vol | 9 2 26.795 681 | - 66 23 45.869 83 | - 2.17 | - 95.13 |
| 338 | 44390 | ϱ UMa | 9 2 32.691 907 | + 67 37 46.629 86 | - 22.18 | + 18.33 |
| 1236 | 44476 | 93 G. Hya | 9 3 43.415 991 | - 5 10 16.904 44 | - 21.71 | + 3.50 |
| 340 | 44504 | Grb 1501 UMa | 9 4 0.400 543 | + 54 17 1.988 69 | - 2.30 | + 3.67 |
| 342 | 44511 | 97 G. Vel | 9 4 9.280 262 | - 47 5 51.856 50 | - 47.01 | - 9.94 |
| 1237 | 44700 | Pi 8 ^h 245 Lyn | 9 6 31.767 317 | + 38 27 7.975 26 | - 27.84 | - 14.37 |
| 1240 | 44936 | 101 G. Hya | 9 9 11.513 978 | - 12 21 27.734 77 | + 19.58 | + 1.44 |
| 1242 | 45158 | 107 G. Hya | 9 11 58.735 744 | - 19 44 51.458 68 | - 56.80 | + 46.54 |
| 348 | 45238 | β Car | 9 13 11.973 502 | - 69 43 1.954 67 | - 158.87 | + 108.10 |
| 346 | 45290 | 36 Lyn | 9 13 48.207 054 | + 43 13 4.185 77 | - 28.58 | - 34.14 |
| 1640 | 45421 | +84° 196 Cam | 9 15 21.426 315 | + 84 10 51.664 06 | + 32.84 | + 12.17 |
| 351 | 45556 | ι Car | 9 17 5.406 235 | - 59 16 30.834 90 | - 19.43 | + 12.00 |
| 350 | 45699 | 83 Cnc | 9 18 58.832 550 | + 17 42 19.322 13 | - 125.02 | - 128.83 |
| 352 | 45860 | α Lyn | 9 21 3.301 759 | + 34 23 33.244 19 | - 222.19 | + 17.39 |
| 1243 | 45902 | ϑ Pyx | 9 21 29.590 637 | - 25 57 55.573 84 | - 12.60 | - 8.54 |
| 1245 | 46221 | 28 Hya | 9 25 24.035 617 | - 5 7 2.619 57 | - 11.41 | - 6.39 |
| 354 | 46390 | α Hya | 9 27 35.242 935 | - 8 39 30.965 13 | - 15.08 | + 33.71 |
| 356 | 46515 | ε Ant | 9 29 14.719 840 | - 35 57 4.808 12 | - 24.47 | + 5.03 |
| 361 | 46701 | N Vel | 9 31 13.318 903 | - 57 2 3.759 70 | - 32.53 | + 5.72 |
| 362 | 46741 | H Car | 9 31 36.272 789 | - 73 4 51.285 20 | - 25.15 | + 2.51 |
| 1247 | 46880 | 160 G. Hya | 9 33 12.459 273 | - 21 6 56.598 78 | - 21.19 | + 15.29 |
| 360 | 46952 | 10 LMi | 9 34 13.381 760 | + 36 23 51.208 73 | + 6.60 | - 22.79 |
| 357 | 46977 | 24 UMa | 9 34 28.859 744 | + 69 49 49.229 67 | - 63.91 | + 77.10 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|---------------------------------------|--|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | $\varepsilon_{\alpha*}$ (SI) [mas] | $\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 1218 | 91.14 | 0.67 | 0.43 | 91.08 | 0.52 | 0.43 | 9.24 | 0.79 | H | + 30.8 | 6.31 | | 31 | | |
| 310 | 91.27 | 0.41 | 0.28 | 91.37 | 0.44 | 0.28 | 11.18 | 0.58 | H | + 6.7 | 5.55 | | 39 | | |
| 1217 | 91.34 | 0.76 | 0.33 | 91.09 | 0.45 | 0.33 | 55.17 | 0.93 | H | + 33.0 | 5.13 | | 18 | | |
| 1219 | 91.18 | 0.38 | 0.38 | 91.40 | 0.43 | 0.38 | 3.89 | 0.60 | H | + 33.2 | 4.83 | | 31 | | |
| 314 | 91.07 | 0.70 | 0.30 | 91.21 | 0.44 | 0.30 | 8.39 | 0.79 | H | + 24.4 | 4.25 | 1 | 21 | 2 | |
| 316 | 91.07 | 0.59 | 0.24 | 90.80 | 0.46 | 0.24 | 26.09 | 0.78 | H | + 10.0 | 3.91 | | 39 | | |
| 319 | 91.20 | 0.44 | 0.37 | 91.45 | 0.38 | 0.31 | 30.21 | 0.45 | H | + 27.4 | 3.77 | | 11 | 1 | 3 |
| 1222 | 91.48 | 0.85 | 0.35 | 91.18 | 0.53 | 0.33 | 10.60 | 1.05 | H | + 2.0 | 5.94 | | 18 | | |
| 321 | 91.39 | 0.80 | 0.25 | 91.21 | 0.47 | 0.23 | 10.46 | 0.89 | H | + 23.8 | 5.33 | | 31 | | |
| 320 | 91.35 | 0.65 | 0.32 | 91.29 | 0.41 | 0.30 | 15.53 | 0.76 | H | + 14.8 | 5.88 | | 39 | | |
| 324 | 91.01 | 0.42 | 0.41 | 91.15 | 0.38 | 0.35 | 2.27 | 0.50 | H | + 18.7 | 4.11 | | 11 | 1 | 3 |
| 1223 | 91.00 | 0.69 | 0.30 | 90.84 | 0.41 | 0.28 | 18.21 | 0.88 | H | + 11.3 | 4.14 | | 29 | 2 | |
| 1224 | 91.10 | 0.69 | 0.31 | 90.88 | 0.42 | 0.32 | 9.25 | 0.94 | H | + 26.5 | 4.45 | | 21 | 2 | |
| 323 | 91.08 | 0.64 | 0.33 | 91.72 | 0.44 | 0.30 | 8.21 | 0.80 | H | + 27.3 | 5.91 | | 19 | | 1 |
| 322 | 91.20 | 0.43 | 0.31 | 91.29 | 0.41 | 0.29 | 9.18 | 0.60 | H | + 0.6 | 6.16 | | 19 | | 1 |
| 325 | 91.14 | 0.66 | 0.31 | 91.03 | 0.45 | 0.32 | 7.78 | 0.82 | H | - 10.6 | 4.98 | | 21 | 2 | |
| 1225 | 91.19 | 0.67 | 0.40 | 91.28 | 0.48 | 0.37 | 18.11 | 0.76 | H | - 37.0 | 5.35 | | 21 | 2 | |
| 331 | 91.10 | 0.39 | 0.37 | 91.39 | 0.38 | 0.32 | 10.32 | 0.43 | H | + 14.0 | 5.46 | | 29 | 2 | |
| 1228 | 91.32 | 0.80 | 0.26 | 91.02 | 0.46 | 0.25 | 20.58 | 0.87 | H | + 28.7 | 4.66 | | 18 | | |
| 327 | 91.34 | 0.34 | 0.27 | 91.47 | 0.36 | 0.29 | 3.86 | 0.53 | H | + 15.3 | 3.68 | 1 | 38 | | |
| 1229 | 91.00 | 0.56 | 0.46 | 91.04 | 0.42 | 0.36 | 12.78 | 0.75 | H | - 15.0 | 6.10 | | 21 | 2 | |
| 1230 | 91.40 | 0.62 | 0.33 | 91.13 | 0.37 | 0.28 | 7.45 | 0.74 | H | + 32.6 | 5.30 | | 29 | 2 | |
| 332 | 91.08 | 0.37 | 0.32 | 91.11 | 0.40 | 0.33 | 15.63 | 0.58 | H | + 24.5 | 4.02 | | 31 | | |
| 1231 | 91.02 | 0.56 | 0.42 | 90.93 | 0.35 | 0.32 | 7.67 | 0.70 | H | + 37.8 | 5.75 | | 35 | | |
| 334 | 91.08 | 0.75 | 0.28 | 91.05 | 0.49 | 0.25 | 21.64 | 0.99 | H | + 22.8 | 3.11 | | 11 | 1 | 3 |
| 918 | 91.13 | 0.44 | 0.36 | 91.27 | 0.40 | 0.32 | 20.73 | 0.47 | H | - 3.6 | 5.43 | | 21 | 2 | |
| 1235 | 91.60 | 0.76 | 0.41 | 91.25 | 0.47 | 0.31 | 5.32 | 0.85 | H | + 73.1 | 5.64 | | 39 | | |
| 343 | 91.33 | 0.47 | 0.42 | 91.46 | 0.44 | 0.35 | 26.24 | 0.51 | H | + 4.9 | 4.00 | | 38 | | |
| 338 | 91.25 | 0.35 | 0.26 | 91.37 | 0.41 | 0.27 | 11.35 | 0.62 | H | + 4.6 | 4.74 | 1 | 33 | | |
| 1236 | 91.46 | 0.79 | 0.43 | 90.98 | 0.39 | 0.31 | 5.05 | 0.87 | H | + 31.6 | 6.83 | | 11 | 1 | 3 |
| 340 | 91.03 | 0.50 | 0.33 | 91.55 | 0.46 | 0.30 | 9.69 | 0.65 | H | - 4.0 | 5.74 | | 29 | 2 | |
| 342 | 91.33 | 0.43 | 0.40 | 91.31 | 0.42 | 0.34 | 10.55 | 0.53 | H | + 24.3 | 3.75 | | 11 | 1 | 3 |
| 1237 | 91.04 | 0.64 | 0.38 | 91.74 | 0.38 | 0.28 | 4.81 | 0.76 | H | + 17.3 | 4.56 | | 11 | 1 | 3 |
| 1240 | 91.34 | 0.70 | 0.41 | 91.27 | 0.51 | 0.36 | 7.09 | 0.93 | H | - 9.4 | 5.76 | 1 | 39 | | |
| 1242 | 91.35 | 0.57 | 0.44 | 91.23 | 0.40 | 0.39 | 10.85 | 0.74 | H | - 0.7 | 5.72 | | 19 | | 1 |
| 348 | 91.39 | 0.46 | 0.38 | 91.45 | 0.41 | 0.31 | 29.34 | 0.47 | H | - 5.2 | 1.67 | 1 | 39 | | |
| 346 | 91.49 | 0.56 | 0.28 | 91.63 | 0.45 | 0.26 | 5.69 | 0.82 | H | + 20.9 | 5.30 | | 29 | 2 | |
| 1640 | 91.26 | 0.44 | 0.34 | 91.31 | 0.39 | 0.30 | 11.10 | 0.55 | H | - 6.0 | 6.30 | | 28 | 2 | |
| 351 | 91.08 | 0.38 | 0.29 | 91.42 | 0.39 | 0.30 | 4.71 | 0.46 | H | + 13.3 | 2.21 | | 21 | 2 | |
| 350 | 91.25 | 0.85 | 0.25 | 91.32 | 0.47 | 0.23 | 25.51 | 0.97 | H | - 14.8 | 6.61 | | 21 | 2 | |
| 352 | 91.37 | 0.68 | 0.26 | 91.72 | 0.52 | 0.25 | 14.69 | 0.81 | H | + 37.6 | 3.14 | 1 | 21 | 2 | |
| 1243 | 91.24 | 0.50 | 0.33 | 91.21 | 0.44 | 0.31 | 6.25 | 0.70 | H | + 20.0 | 4.71 | 2 | 13 | | |
| 1245 | 91.22 | 0.79 | 0.36 | 91.08 | 0.53 | 0.32 | 4.83 | 0.89 | H | + 5.3 | 5.60 | | 19 | | 1 |
| 354 | 91.14 | 0.68 | 0.20 | 91.03 | 0.51 | 0.19 | 18.40 | 0.78 | H | - 4.3 | 1.99 | 1 | 39 | | |
| 356 | 91.36 | 0.32 | 0.30 | 91.08 | 0.35 | 0.33 | 4.66 | 0.57 | H | + 22.2 | 4.51 | | 19 | | 1 |
| 361 | 91.18 | 0.42 | 0.37 | 91.26 | 0.42 | 0.37 | 13.72 | 0.51 | H | - 13.9 | 3.16 | 1 | 11 | 1 | 3 |
| 362 | 91.33 | 0.45 | 0.40 | 91.44 | 0.43 | 0.36 | 4.12 | 0.50 | H | + 14.2 | 5.46 | 1 | 31 | | |
| 1247 | 91.37 | 0.51 | 0.38 | 91.56 | 0.39 | 0.36 | 9.76 | 0.69 | H | + 15.7 | 5.02 | | 11 | 1 | 3 |
| 360 | 91.36 | 0.78 | 0.30 | 91.36 | 0.55 | 0.29 | 18.52 | 0.88 | H | - 11.7 | 4.54 | 1 | 11 | 1 | 3 |
| 357 | 91.16 | 0.38 | 0.28 | 91.13 | 0.37 | 0.26 | 30.89 | 0.55 | H | - 27.4 | 4.54 | 1 | 11 | 1 | 3 |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------|--|---------|---------|----------|--------------------------------------|---------|---------|----------|
| FK6 | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 1218 | + 5.17 | - 13.97 | - 18.36 | + 35.68 | + 3.31 | - 9.42 | - 11.74 | + 4.66 |
| 310 | - 6.79 | - 4.33 | - 4.59 | - 87.05 | - 0.74 | + 0.45 | + 0.45 | - 3.75 |
| 1217 | - 8.96 | - 7.68 | - 8.55 | - 24.94 | - 5.98 | + 6.88 | + 7.68 | - 25.81 |
| 1219 | + 0.43 | - 1.02 | - 1.46 | - 14.87 | + 9.80 | - 4.39 | - 6.20 | + 97.82 |
| 314 | + 25.67 | - 7.97 | - 11.14 | + 151.94 | + 2.16 | - 13.73 | - 15.56 | - 13.03 |
| 316 | - 8.16 | + 4.18 | + 4.72 | - 26.57 | + 19.07 | - 6.05 | - 6.69 | + 103.89 |
| 319 | + 1.60 | - 0.52 | - 0.52 | + 5.27 | - 7.82 | - 0.50 | - 0.50 | - 147.94 |
| 1222 | + 2.01 | - 0.93 | - 1.17 | + 8.36 | + 5.45 | - 11.24 | - 12.90 | + 27.73 |
| 321 | - 8.08 | + 8.39 | + 10.95 | - 41.81 | + 6.15 | - 6.82 | - 7.96 | + 45.33 |
| 320 | - 1.28 | - 7.86 | - 8.62 | - 15.97 | + 11.88 | - 7.08 | - 7.42 | + 81.97 |
| 324 | + 0.07 | + 0.34 | + 0.52 | + 65.17 | + 2.34 | - 0.96 | - 1.49 | + 25.14 |
| 1223 | + 18.48 | - 17.87 | - 20.82 | + 76.32 | - 3.60 | - 4.94 | - 5.06 | - 25.47 |
| 1224 | + 17.51 | + 9.07 | + 11.01 | + 139.34 | - 3.57 | - 1.31 | - 1.38 | - 61.84 |
| 323 | + 0.86 | - 1.23 | - 2.01 | + 20.14 | + 3.73 | - 6.83 | - 7.85 | + 0.18 |
| 322 | + 0.52 | + 3.01 | + 3.44 | + 9.90 | + 0.14 | + 4.73 | + 5.25 | + 27.25 |
| 325 | - 11.48 | + 3.90 | + 4.90 | - 103.68 | - 5.94 | + 10.93 | + 12.35 | - 12.80 |
| 1225 | - 14.11 | + 12.53 | + 14.98 | - 58.65 | - 11.42 | + 6.41 | + 7.01 | - 65.75 |
| 331 | + 11.43 | - 2.79 | - 3.34 | + 100.11 | - 13.59 | + 4.41 | + 4.92 | - 153.74 |
| 1228 | - 3.91 | - 10.80 | - 12.68 | - 12.85 | + 1.36 | - 0.12 | + 0.24 | + 5.79 |
| 327 | + 2.06 | - 1.04 | - 1.31 | + 9.60 | + 2.96 | - 0.37 | - 0.54 | + 144.41 |
| 1229 | + 14.76 | - 2.49 | - 3.29 | + 176.02 | - 14.57 | + 5.64 | + 6.54 | - 70.05 |
| 1230 | - 3.34 | + 3.34 | + 3.90 | - 9.29 | + 0.33 | + 7.97 | + 8.68 | + 80.62 |
| 332 | + 3.33 | + 2.50 | + 2.67 | + 52.55 | - 2.05 | - 0.40 | - 0.40 | - 26.07 |
| 1231 | + 3.19 | - 3.66 | - 4.56 | + 21.94 | - 8.20 | + 1.63 | + 1.99 | - 132.20 |
| 334 | + 16.19 | + 4.51 | + 5.03 | + 58.49 | - 0.90 | - 3.25 | - 3.42 | - 7.15 |
| 918 | - 2.36 | + 7.43 | + 8.05 | + 20.50 | + 2.72 | + 1.73 | + 1.82 | + 79.65 |
| 1235 | - 2.05 | + 3.07 | + 4.66 | - 16.84 | + 1.57 | + 3.33 | + 3.69 | + 130.95 |
| 343 | + 4.40 | + 1.27 | + 1.35 | + 42.37 | + 4.85 | - 5.28 | - 5.70 | - 56.58 |
| 338 | + 16.37 | + 0.95 | + 0.87 | + 107.59 | + 2.24 | - 1.38 | - 1.55 | + 13.33 |
| 1236 | + 3.41 | + 1.91 | + 2.94 | + 70.98 | + 3.17 | - 0.79 | - 1.13 | + 84.09 |
| 340 | - 1.30 | + 7.30 | + 8.29 | + 0.64 | - 5.26 | + 3.53 | + 3.88 | - 43.02 |
| 342 | - 6.26 | + 1.35 | + 1.70 | - 62.39 | - 4.83 | + 2.79 | + 3.23 | + 39.84 |
| 1237 | - 2.74 | - 3.05 | - 4.66 | - 30.94 | - 2.84 | + 0.25 | + 0.13 | - 46.77 |
| 1240 | - 6.04 | + 7.40 | + 9.85 | - 58.75 | + 6.27 | - 5.47 | - 6.96 | + 53.35 |
| 1242 | - 5.48 | + 6.14 | + 7.52 | - 32.00 | - 2.46 | - 0.76 | - 0.86 | - 61.01 |
| 348 | - 14.15 | + 9.46 | + 10.32 | - 68.19 | - 0.66 | + 6.41 | + 6.83 | + 63.47 |
| 346 | + 3.32 | + 0.59 | + 1.34 | + 2.07 | + 7.73 | - 15.38 | - 17.39 | - 43.87 |
| 1640 | - 8.05 | - 0.36 | - 0.35 | - 101.06 | + 12.16 | - 14.90 | - 16.20 | - 29.35 |
| 351 | - 3.55 | + 2.77 | + 3.37 | - 0.92 | - 14.16 | + 7.94 | + 9.47 | - 114.18 |
| 350 | + 7.40 | - 65.65 | - 73.81 | + 16.62 | - 1.32 | - 46.78 | - 46.80 | - 73.12 |
| 352 | - 2.62 | - 5.41 | - 5.60 | - 11.55 | + 3.61 | - 20.32 | - 21.56 | - 18.69 |
| 1243 | - 3.55 | + 2.17 | + 2.79 | - 44.39 | + 2.85 | - 4.89 | - 5.77 | + 13.60 |
| 1245 | - 4.14 | - 1.31 | - 2.25 | - 42.94 | - 2.39 | + 1.57 | + 2.17 | - 38.24 |
| 354 | + 14.52 | + 4.51 | + 5.03 | + 52.47 | - 8.74 | - 3.64 | - 3.99 | - 43.44 |
| 356 | + 3.36 | - 1.89 | - 2.33 | - 24.50 | - 4.14 | + 0.30 | + 0.40 | - 126.75 |
| 361 | + 0.77 | - 0.38 | - 0.47 | + 9.09 | - 3.86 | + 2.79 | + 3.14 | + 21.17 |
| 362 | + 1.59 | + 0.00 | - 0.09 | + 55.47 | - 2.19 | - 0.50 | - 0.59 | - 171.53 |
| 1247 | - 1.93 | + 7.47 | + 8.59 | + 19.22 | - 1.87 | - 1.46 | - 1.73 | - 52.97 |
| 360 | - 15.31 | + 1.40 | + 1.91 | - 61.54 | - 2.56 | - 0.77 | - 0.85 | - 21.06 |
| 357 | + 17.58 | + 0.07 | + 0.07 | + 84.18 | + 0.24 | + 4.15 | + 4.33 | + 19.85 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|---|--------|--------|--------|---------|---|--------|--------|--------|---------|
| FK6 | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| No. | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 1218 | + 0.46 | - 1.59 | - 2.09 | + 1.19 | + 0.33 | + 0.52 | - 1.06 | - 1.32 | + 0.65 | + 0.68 |
| 310 | + 0.20 | - 0.50 | - 0.53 | - 0.90 | + 0.87 | - 0.06 | + 0.06 | + 0.06 | - 0.10 | - 0.05 |
| 1217 | - 0.05 | - 0.89 | - 0.99 | - 0.31 | + 0.41 | - 0.18 | + 0.78 | + 0.87 | - 0.46 | + 0.05 |
| 1219 | + 0.13 | - 0.11 | - 0.16 | - 0.08 | + 0.39 | + 1.04 | - 0.51 | - 0.72 | + 2.61 | + 0.71 |
| 314 | + 0.47 | - 0.90 | - 1.26 | + 2.38 | - 1.23 | + 0.54 | - 1.57 | - 1.78 | + 0.42 | + 0.79 |
| 316 | - 0.15 | + 0.46 | + 0.52 | - 0.43 | + 0.13 | + 0.32 | - 0.66 | - 0.73 | + 1.37 | - 0.31 |
| 319 | + 0.15 | - 0.06 | - 0.06 | + 0.22 | + 0.11 | + 0.10 | - 0.06 | - 0.06 | - 1.76 | + 1.25 |
| 1222 | + 0.06 | - 0.12 | - 0.15 | + 0.17 | - 0.06 | + 0.41 | - 1.28 | - 1.47 | + 0.78 | + 0.25 |
| 321 | - 0.14 | + 0.98 | + 1.28 | - 0.60 | + 0.23 | + 0.19 | - 0.78 | - 0.91 | + 0.65 | - 0.06 |
| 320 | + 0.25 | - 0.94 | - 1.03 | + 0.04 | + 0.48 | + 0.70 | - 0.82 | - 0.86 | + 1.68 | + 0.30 |
| 324 | - 0.10 | + 0.04 | + 0.06 | + 1.00 | - 0.90 | + 0.27 | - 0.11 | - 0.17 | + 0.72 | + 0.29 |
| 1223 | + 0.51 | - 1.99 | - 2.32 | + 1.38 | - 0.29 | + 0.12 | - 0.52 | - 0.53 | - 0.14 | + 0.35 |
| 1224 | + 0.16 | + 1.04 | + 1.26 | + 2.08 | - 1.01 | + 0.02 | - 0.16 | - 0.17 | - 0.75 | + 0.38 |
| 323 | - 0.10 | - 0.08 | - 0.16 | + 0.18 | - 0.32 | + 0.49 | - 0.83 | - 0.95 | + 0.49 | + 0.58 |
| 322 | - 0.07 | + 0.35 | + 0.40 | + 0.05 | - 0.18 | - 0.22 | + 0.55 | + 0.61 | + 0.10 | - 0.41 |
| 325 | - 0.29 | + 0.48 | + 0.60 | - 1.66 | + 0.45 | - 0.78 | + 1.23 | + 1.39 | - 0.96 | - 0.87 |
| 1225 | - 0.54 | + 1.43 | + 1.71 | - 1.39 | + 0.19 | - 0.61 | + 0.74 | + 0.81 | - 1.43 | - 0.05 |
| 331 | + 0.78 | - 0.31 | - 0.37 | + 2.34 | - 0.13 | - 1.15 | + 0.51 | + 0.57 | - 3.05 | - 0.50 |
| 1228 | + 0.03 | - 1.27 | - 1.49 | - 0.09 | + 0.23 | + 0.05 | - 0.01 | + 0.03 | + 0.11 | + 0.01 |
| 327 | + 0.23 | - 0.12 | - 0.15 | + 0.38 | + 0.22 | + 0.04 | - 0.04 | - 0.06 | + 1.82 | - 0.75 |
| 1229 | + 0.30 | - 0.27 | - 0.36 | + 3.47 | - 1.41 | - 1.55 | + 0.63 | + 0.73 | - 2.68 | - 1.38 |
| 1230 | - 0.29 | + 0.44 | + 0.51 | - 0.42 | - 0.26 | - 0.83 | + 0.91 | + 0.99 | + 0.27 | - 1.68 |
| 332 | - 0.39 | + 0.28 | + 0.30 | + 0.41 | - 1.14 | - 0.05 | - 0.04 | - 0.04 | - 0.39 | + 0.15 |
| 1231 | + 0.30 | - 0.41 | - 0.51 | + 0.71 | + 0.20 | - 0.47 | + 0.18 | + 0.22 | - 2.57 | + 0.39 |
| 334 | + 0.20 | + 0.53 | + 0.59 | + 0.81 | - 0.48 | + 0.06 | - 0.38 | - 0.40 | - 0.02 | + 0.12 |
| 918 | - 0.59 | + 0.84 | + 0.91 | - 0.33 | - 0.83 | - 0.11 | + 0.20 | + 0.21 | + 0.77 | - 0.41 |
| 1235 | - 0.16 | + 0.37 | + 0.56 | - 0.47 | - 0.08 | - 0.43 | + 0.38 | + 0.42 | + 1.51 | - 1.37 |
| 343 | + 0.02 | + 0.15 | + 0.16 | + 0.60 | - 0.46 | + 1.04 | - 0.62 | - 0.67 | + 0.34 | + 1.55 |
| 338 | + 0.11 | + 0.11 | + 0.10 | + 1.53 | - 1.09 | + 0.13 | - 0.16 | - 0.18 | + 0.28 | + 0.06 |
| 1236 | + 0.04 | + 0.23 | + 0.35 | + 1.31 | - 0.47 | + 0.15 | - 0.09 | - 0.13 | + 1.50 | - 0.25 |
| 340 | - 0.29 | + 0.81 | + 0.92 | - 0.30 | - 0.39 | - 0.30 | + 0.41 | + 0.45 | - 0.84 | - 0.05 |
| 342 | - 0.38 | + 0.15 | + 0.19 | - 1.45 | + 0.28 | - 0.81 | + 0.32 | + 0.37 | - 0.32 | - 1.32 |
| 1237 | + 0.00 | - 0.35 | - 0.53 | - 0.50 | + 0.39 | - 0.11 | + 0.04 | + 0.03 | - 0.72 | + 0.19 |
| 1240 | - 0.39 | + 0.88 | + 1.17 | - 1.50 | - 0.02 | + 0.60 | - 0.65 | - 0.83 | + 1.48 | + 0.44 |
| 1242 | - 0.39 | + 0.71 | + 0.87 | - 0.92 | - 0.14 | + 0.11 | - 0.08 | - 0.09 | - 0.84 | + 0.75 |
| 348 | - 0.85 | + 1.11 | + 1.21 | - 1.65 | - 0.25 | - 0.69 | + 0.76 | + 0.81 | + 0.01 | - 1.20 |
| 346 | + 0.44 | + 0.08 | + 0.17 | + 0.43 | + 0.48 | + 1.37 | - 1.85 | - 2.09 | + 0.85 | + 1.95 |
| 1640 | - 0.16 | - 0.06 | - 0.06 | - 1.52 | + 0.60 | + 1.84 | - 1.72 | - 1.87 | + 1.42 | + 2.27 |
| 351 | - 0.46 | + 0.33 | + 0.40 | - 0.51 | - 0.61 | - 1.47 | + 0.93 | + 1.11 | - 2.90 | - 1.15 |
| 350 | + 1.04 | - 7.48 | - 8.43 | + 1.23 | + 1.05 | + 2.36 | - 5.33 | - 5.32 | + 1.56 | + 3.22 |
| 352 | + 0.15 | - 0.59 | - 0.61 | + 0.03 | + 0.34 | + 0.89 | - 2.46 | - 2.61 | + 0.66 | + 1.14 |
| 1243 | - 0.09 | + 0.25 | + 0.32 | - 0.70 | + 0.26 | + 0.33 | - 0.56 | - 0.66 | + 0.52 | + 0.34 |
| 1245 | - 0.08 | - 0.16 | - 0.27 | - 0.74 | + 0.40 | - 0.11 | + 0.18 | + 0.25 | - 0.65 | + 0.14 |
| 354 | + 0.17 | + 0.53 | + 0.59 | + 0.63 | - 0.28 | - 0.06 | - 0.42 | - 0.46 | - 0.41 | + 0.21 |
| 356 | + 0.57 | - 0.22 | - 0.27 | + 0.23 | + 1.02 | - 0.20 | + 0.03 | + 0.04 | - 1.90 | + 0.64 |
| 361 | + 0.02 | - 0.04 | - 0.05 | + 0.16 | - 0.06 | - 0.61 | + 0.32 | + 0.36 | - 0.34 | - 0.87 |
| 362 | + 0.03 | + 0.00 | - 0.01 | + 0.99 | - 0.49 | + 0.06 | - 0.06 | - 0.07 | - 2.34 | + 1.19 |
| 1247 | - 0.54 | + 0.87 | + 1.00 | - 0.28 | - 0.91 | + 0.12 | - 0.17 | - 0.20 | - 0.61 | + 0.64 |
| 360 | - 0.25 | + 0.16 | + 0.22 | - 0.96 | + 0.45 | - 0.01 | - 0.09 | - 0.10 | - 0.25 | + 0.14 |
| 357 | + 0.32 | + 0.01 | + 0.01 | + 1.30 | - 0.51 | - 0.34 | + 0.47 | + 0.49 | - 0.12 | - 0.52 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------|------------|-------|-------|-------|--------------------------------|------|------|-------|--|------|------|------|---------|
| FK6 | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu, \alpha^*}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 1218 | 82.33 | 91.18 | 91.18 | 61.81 | 9.39 | 0.67 | 0.67 | 17.06 | 0.54 | 0.83 | 0.91 | 0.93 | 0.58 |
| 310 | 78.50 | 91.29 | 91.29 | 46.63 | 10.27 | 0.41 | 0.41 | 19.21 | 0.40 | 0.44 | 0.45 | 0.67 | 0.43 |
| 1217 | 72.96 | 91.40 | 91.40 | 60.84 | 11.01 | 0.77 | 0.77 | 14.19 | 0.46 | 0.82 | 0.86 | 0.59 | 0.47 |
| 1219 | 88.66 | 91.19 | 91.19 | 61.27 | 7.20 | 0.38 | 0.38 | 24.51 | 0.59 | 0.45 | 0.47 | 1.02 | 0.82 |
| 314 | 78.53 | 91.15 | 91.15 | 54.97 | 8.70 | 0.70 | 0.70 | 14.69 | 0.35 | 0.85 | 0.95 | 0.52 | 0.41 |
| 316 | 66.38 | 91.13 | 91.13 | 50.02 | 9.96 | 0.59 | 0.59 | 12.82 | 0.34 | 0.70 | 0.73 | 0.48 | 0.31 |
| 319 | 82.74 | 91.21 | 91.21 | 57.99 | 14.02 | 0.44 | 0.44 | 27.72 | 0.70 | 0.43 | 0.44 | 1.08 | 0.83 |
| 1222 | 79.22 | 91.58 | 91.58 | 60.46 | 9.29 | 0.86 | 0.86 | 14.84 | 0.42 | 0.98 | 1.11 | 0.58 | 0.48 |
| 321 | 72.89 | 91.52 | 91.52 | 46.71 | 9.08 | 0.80 | 0.80 | 14.13 | 0.30 | 0.87 | 0.97 | 0.44 | 0.32 |
| 320 | 75.15 | 91.38 | 91.38 | 53.70 | 10.37 | 0.65 | 0.65 | 15.83 | 0.41 | 0.75 | 0.79 | 0.62 | 0.42 |
| 324 | 90.00 | 91.02 | 91.02 | 61.28 | 5.67 | 0.42 | 0.42 | 28.33 | 0.63 | 0.45 | 0.48 | 1.26 | 0.95 |
| 1223 | 73.37 | 91.08 | 91.08 | 52.66 | 10.57 | 0.69 | 0.69 | 15.54 | 0.38 | 0.84 | 0.89 | 0.53 | 0.40 |
| 1224 | 77.49 | 91.18 | 91.18 | 52.05 | 9.07 | 0.70 | 0.70 | 15.31 | 0.38 | 0.85 | 0.95 | 0.64 | 0.39 |
| 323 | 80.67 | 91.01 | 91.01 | 53.03 | 9.09 | 0.68 | 0.68 | 17.30 | 0.39 | 0.74 | 0.82 | 0.61 | 0.46 |
| 322 | 80.29 | 91.24 | 91.24 | 48.52 | 9.66 | 0.43 | 0.43 | 19.06 | 0.40 | 0.55 | 0.57 | 0.65 | 0.45 |
| 325 | 79.62 | 91.18 | 91.18 | 49.16 | 8.88 | 0.67 | 0.67 | 16.90 | 0.37 | 0.74 | 0.81 | 0.62 | 0.40 |
| 1225 | 78.31 | 91.24 | 91.24 | 61.72 | 10.80 | 0.67 | 0.67 | 16.31 | 0.50 | 0.86 | 0.92 | 0.72 | 0.55 |
| 331 | 86.13 | 91.10 | 91.10 | 59.05 | 10.79 | 0.39 | 0.39 | 27.05 | 0.66 | 0.43 | 0.44 | 1.06 | 0.84 |
| 1228 | 69.34 | 91.47 | 91.47 | 53.00 | 9.76 | 0.80 | 0.80 | 12.90 | 0.34 | 0.95 | 1.03 | 0.46 | 0.34 |
| 327 | 87.60 | 91.33 | 91.33 | 53.00 | 7.14 | 0.34 | 0.34 | 23.09 | 0.46 | 0.33 | 0.34 | 0.78 | 0.60 |
| 1229 | 84.03 | 91.02 | 91.02 | 61.28 | 11.16 | 0.56 | 0.56 | 22.76 | 0.67 | 0.64 | 0.67 | 1.16 | 0.77 |
| 1230 | 80.59 | 91.42 | 91.42 | 60.36 | 8.28 | 0.63 | 0.63 | 14.07 | 0.41 | 0.68 | 0.74 | 0.63 | 0.45 |
| 332 | 82.14 | 91.08 | 91.08 | 59.35 | 11.61 | 0.37 | 0.37 | 21.74 | 0.58 | 0.39 | 0.40 | 0.89 | 0.69 |
| 1231 | 85.02 | 91.04 | 91.04 | 60.83 | 9.24 | 0.56 | 0.56 | 20.46 | 0.57 | 0.60 | 0.64 | 1.00 | 0.68 |
| 334 | 69.65 | 91.19 | 91.19 | 50.94 | 10.32 | 0.77 | 0.77 | 14.09 | 0.35 | 1.03 | 1.12 | 0.49 | 0.35 |
| 918 | 80.09 | 91.14 | 91.14 | 44.58 | 13.05 | 0.44 | 0.44 | 26.68 | 0.51 | 0.54 | 0.55 | 0.87 | 0.57 |
| 1235 | 84.92 | 91.66 | 91.66 | 58.21 | 7.88 | 0.76 | 0.76 | 17.85 | 0.47 | 0.85 | 1.02 | 0.82 | 0.53 |
| 343 | 82.50 | 91.34 | 91.34 | 56.30 | 13.69 | 0.47 | 0.47 | 27.37 | 0.65 | 0.56 | 0.57 | 1.00 | 0.78 |
| 338 | 78.39 | 91.28 | 91.28 | 55.37 | 9.79 | 0.35 | 0.35 | 16.34 | 0.41 | 0.39 | 0.40 | 0.62 | 0.46 |
| 1236 | 85.16 | 91.52 | 91.52 | 57.92 | 7.73 | 0.79 | 0.79 | 17.99 | 0.49 | 0.86 | 1.04 | 0.97 | 0.54 |
| 340 | 80.04 | 91.07 | 91.07 | 55.56 | 9.49 | 0.51 | 0.51 | 16.95 | 0.42 | 0.59 | 0.62 | 0.64 | 0.48 |
| 342 | 86.79 | 91.33 | 91.33 | 62.55 | 10.91 | 0.43 | 0.43 | 27.65 | 0.74 | 0.47 | 0.48 | 1.20 | 0.96 |
| 1237 | 84.05 | 91.06 | 91.06 | 61.22 | 7.30 | 0.67 | 0.67 | 14.96 | 0.43 | 0.85 | 1.05 | 0.71 | 0.50 |
| 1240 | 84.86 | 91.44 | 91.44 | 60.56 | 8.91 | 0.71 | 0.71 | 19.49 | 0.55 | 0.65 | 0.70 | 0.98 | 0.63 |
| 1242 | 83.33 | 91.38 | 91.38 | 60.85 | 10.33 | 0.57 | 0.57 | 20.21 | 0.56 | 0.71 | 0.76 | 0.89 | 0.66 |
| 348 | 80.46 | 91.42 | 91.42 | 52.94 | 13.70 | 0.46 | 0.46 | 25.80 | 0.56 | 0.55 | 0.56 | 0.81 | 0.67 |
| 346 | 81.96 | 91.55 | 91.55 | 57.24 | 7.70 | 0.56 | 0.56 | 14.72 | 0.36 | 0.52 | 0.55 | 0.55 | 0.43 |
| 1640 | 82.29 | 91.28 | 91.28 | 49.79 | 10.73 | 0.44 | 0.44 | 23.07 | 0.49 | 0.48 | 0.49 | 0.84 | 0.56 |
| 351 | 87.13 | 91.09 | 91.09 | 53.86 | 7.79 | 0.39 | 0.39 | 23.50 | 0.47 | 0.36 | 0.37 | 0.76 | 0.63 |
| 350 | 66.32 | 91.47 | 91.47 | 47.00 | 10.40 | 0.86 | 0.86 | 13.85 | 0.32 | 0.93 | 1.00 | 0.45 | 0.31 |
| 352 | 72.34 | 91.49 | 91.49 | 54.69 | 9.35 | 0.68 | 0.68 | 13.00 | 0.34 | 0.65 | 0.68 | 0.46 | 0.35 |
| 1243 | 83.40 | 91.27 | 91.27 | 51.30 | 8.46 | 0.50 | 0.50 | 19.09 | 0.40 | 0.60 | 0.64 | 0.67 | 0.48 |
| 1245 | 83.96 | 91.37 | 91.37 | 59.37 | 7.36 | 0.80 | 0.80 | 15.36 | 0.41 | 0.87 | 1.12 | 0.65 | 0.48 |
| 354 | 62.08 | 91.33 | 91.33 | 39.69 | 9.54 | 0.69 | 0.69 | 12.68 | 0.27 | 0.83 | 0.89 | 0.38 | 0.25 |
| 356 | 87.64 | 91.37 | 91.37 | 57.67 | 7.76 | 0.32 | 0.32 | 23.63 | 0.53 | 0.34 | 0.35 | 0.91 | 0.70 |
| 361 | 84.26 | 91.19 | 91.19 | 57.54 | 11.69 | 0.42 | 0.42 | 25.69 | 0.63 | 0.46 | 0.47 | 1.00 | 0.76 |
| 362 | 88.70 | 91.34 | 91.34 | 59.39 | 7.43 | 0.45 | 0.45 | 26.23 | 0.62 | 0.47 | 0.50 | 1.15 | 0.82 |
| 1247 | 83.39 | 91.39 | 91.39 | 56.75 | 10.10 | 0.51 | 0.51 | 21.14 | 0.51 | 0.57 | 0.59 | 0.82 | 0.61 |
| 360 | 72.76 | 91.48 | 91.48 | 53.80 | 10.32 | 0.78 | 0.78 | 14.68 | 0.38 | 0.84 | 0.90 | 0.54 | 0.39 |
| 357 | 73.52 | 91.18 | 91.18 | 51.27 | 12.17 | 0.38 | 0.38 | 18.27 | 0.44 | 0.42 | 0.42 | 0.66 | 0.46 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 No. | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 1218 | 84.29 | 91.09 | 91.09 | 55.09 | 10.10 | 0.52 | 0.52 | 23.05 | 0.56 | 0.67 | 0.71 | 1.01 | 0.64 |
| 310 | 79.07 | 91.38 | 91.38 | 34.70 | 10.76 | 0.45 | 0.45 | 23.19 | 0.37 | 0.46 | 0.47 | 0.67 | 0.41 |
| 1217 | 72.44 | 91.13 | 91.13 | 49.03 | 12.98 | 0.45 | 0.45 | 19.45 | 0.43 | 0.76 | 0.79 | 0.61 | 0.46 |
| 1219 | 89.30 | 91.40 | 91.40 | 51.63 | 7.35 | 0.43 | 0.43 | 32.95 | 0.60 | 0.44 | 0.46 | 1.06 | 0.83 |
| 314 | 80.75 | 91.23 | 91.23 | 45.97 | 9.44 | 0.44 | 0.44 | 19.61 | 0.37 | 0.55 | 0.58 | 0.59 | 0.43 |
| 316 | 65.15 | 90.85 | 90.85 | 36.49 | 11.43 | 0.46 | 0.46 | 16.56 | 0.33 | 0.64 | 0.66 | 0.53 | 0.30 |
| 319 | 83.68 | 91.45 | 91.45 | 47.28 | 14.78 | 0.38 | 0.38 | 35.63 | 0.68 | 0.35 | 0.35 | 1.14 | 0.81 |
| 1222 | 79.65 | 91.22 | 91.22 | 51.67 | 10.00 | 0.53 | 0.53 | 18.48 | 0.41 | 0.64 | 0.68 | 0.62 | 0.47 |
| 321 | 73.05 | 91.26 | 91.26 | 35.48 | 9.71 | 0.47 | 0.47 | 17.00 | 0.29 | 0.55 | 0.58 | 0.48 | 0.30 |
| 320 | 76.98 | 91.29 | 91.29 | 42.39 | 11.54 | 0.41 | 0.41 | 21.35 | 0.42 | 0.51 | 0.53 | 0.75 | 0.44 |
| 324 | 90.01 | 91.16 | 91.16 | 48.01 | 5.71 | 0.38 | 0.38 | 33.90 | 0.55 | 0.39 | 0.41 | 1.12 | 0.79 |
| 1223 | 72.46 | 90.88 | 90.88 | 42.32 | 11.32 | 0.42 | 0.42 | 18.27 | 0.35 | 0.61 | 0.63 | 0.54 | 0.38 |
| 1224 | 80.34 | 90.89 | 90.89 | 42.05 | 9.92 | 0.44 | 0.44 | 21.09 | 0.40 | 0.58 | 0.61 | 0.73 | 0.43 |
| 323 | 81.56 | 91.53 | 91.53 | 44.97 | 9.49 | 0.50 | 0.50 | 20.72 | 0.40 | 0.52 | 0.55 | 0.71 | 0.45 |
| 322 | 80.12 | 91.33 | 91.33 | 39.22 | 9.93 | 0.42 | 0.42 | 21.46 | 0.38 | 0.48 | 0.50 | 0.69 | 0.41 |
| 325 | 82.81 | 91.02 | 91.02 | 45.18 | 9.42 | 0.46 | 0.46 | 22.03 | 0.42 | 0.50 | 0.52 | 0.72 | 0.48 |
| 1225 | 80.47 | 91.30 | 91.30 | 52.63 | 12.22 | 0.48 | 0.48 | 23.14 | 0.51 | 0.56 | 0.58 | 0.78 | 0.60 |
| 331 | 85.96 | 91.40 | 91.40 | 41.45 | 11.12 | 0.38 | 0.38 | 34.09 | 0.57 | 0.38 | 0.39 | 1.07 | 0.68 |
| 1228 | 67.68 | 91.07 | 91.07 | 41.03 | 10.88 | 0.46 | 0.46 | 15.88 | 0.33 | 0.72 | 0.75 | 0.50 | 0.32 |
| 327 | 87.93 | 91.46 | 91.46 | 41.26 | 7.25 | 0.36 | 0.36 | 28.07 | 0.45 | 0.36 | 0.37 | 0.87 | 0.56 |
| 1229 | 85.08 | 91.04 | 91.04 | 55.71 | 11.63 | 0.42 | 0.42 | 27.93 | 0.68 | 0.42 | 0.43 | 1.26 | 0.79 |
| 1230 | 82.20 | 91.09 | 91.09 | 50.82 | 9.00 | 0.37 | 0.37 | 19.04 | 0.41 | 0.41 | 0.42 | 0.68 | 0.47 |
| 332 | 83.42 | 91.11 | 91.11 | 49.04 | 12.40 | 0.41 | 0.41 | 28.80 | 0.58 | 0.40 | 0.41 | 0.98 | 0.68 |
| 1231 | 86.44 | 90.94 | 90.94 | 54.18 | 9.66 | 0.35 | 0.35 | 26.87 | 0.60 | 0.37 | 0.38 | 1.13 | 0.73 |
| 334 | 67.71 | 91.08 | 91.08 | 40.29 | 11.10 | 0.54 | 0.54 | 16.33 | 0.33 | 0.60 | 0.62 | 0.53 | 0.32 |
| 918 | 78.76 | 91.28 | 91.28 | 29.68 | 13.35 | 0.40 | 0.40 | 29.65 | 0.46 | 0.46 | 0.47 | 0.96 | 0.48 |
| 1235 | 85.64 | 91.31 | 91.31 | 50.45 | 8.13 | 0.47 | 0.47 | 21.93 | 0.46 | 0.42 | 0.45 | 0.89 | 0.54 |
| 343 | 82.72 | 91.46 | 91.46 | 42.18 | 14.37 | 0.44 | 0.44 | 34.47 | 0.61 | 0.43 | 0.44 | 1.06 | 0.70 |
| 338 | 76.77 | 91.39 | 91.39 | 42.80 | 10.23 | 0.41 | 0.41 | 18.71 | 0.36 | 0.50 | 0.52 | 0.60 | 0.39 |
| 1236 | 86.61 | 91.08 | 91.08 | 50.79 | 8.04 | 0.40 | 0.40 | 23.77 | 0.51 | 0.39 | 0.41 | 1.09 | 0.59 |
| 340 | 80.64 | 91.57 | 91.57 | 45.99 | 10.03 | 0.46 | 0.46 | 20.69 | 0.41 | 0.48 | 0.49 | 0.71 | 0.45 |
| 342 | 86.81 | 91.31 | 91.31 | 48.80 | 11.23 | 0.42 | 0.42 | 34.70 | 0.65 | 0.39 | 0.40 | 1.11 | 0.82 |
| 1237 | 85.31 | 91.60 | 91.60 | 46.82 | 7.76 | 0.44 | 0.44 | 21.19 | 0.40 | 0.40 | 0.42 | 0.71 | 0.47 |
| 1240 | 86.18 | 91.40 | 91.40 | 52.48 | 9.32 | 0.52 | 0.52 | 25.77 | 0.56 | 0.47 | 0.50 | 1.09 | 0.66 |
| 1242 | 85.97 | 91.24 | 91.24 | 57.56 | 11.02 | 0.40 | 0.40 | 27.84 | 0.67 | 0.47 | 0.48 | 1.14 | 0.83 |
| 348 | 80.40 | 91.48 | 91.48 | 39.01 | 14.39 | 0.41 | 0.41 | 31.56 | 0.53 | 0.41 | 0.42 | 0.87 | 0.60 |
| 346 | 83.09 | 91.65 | 91.65 | 45.44 | 8.19 | 0.45 | 0.45 | 19.37 | 0.36 | 0.41 | 0.43 | 0.60 | 0.42 |
| 1640 | 81.84 | 91.32 | 91.32 | 42.11 | 10.89 | 0.39 | 0.39 | 24.89 | 0.47 | 0.41 | 0.42 | 0.90 | 0.51 |
| 351 | 87.73 | 91.43 | 91.43 | 40.29 | 7.97 | 0.39 | 0.39 | 30.25 | 0.47 | 0.37 | 0.38 | 0.83 | 0.59 |
| 350 | 67.16 | 91.46 | 91.46 | 40.28 | 11.42 | 0.48 | 0.48 | 16.60 | 0.33 | 0.48 | 0.50 | 0.48 | 0.32 |
| 352 | 72.97 | 91.79 | 91.79 | 42.08 | 10.67 | 0.53 | 0.53 | 17.49 | 0.34 | 0.48 | 0.49 | 0.53 | 0.35 |
| 1243 | 84.16 | 91.23 | 91.23 | 41.97 | 8.73 | 0.44 | 0.44 | 23.03 | 0.41 | 0.49 | 0.51 | 0.76 | 0.47 |
| 1245 | 85.58 | 91.32 | 91.32 | 50.20 | 7.77 | 0.56 | 0.56 | 20.89 | 0.42 | 0.54 | 0.62 | 0.74 | 0.51 |
| 354 | 60.08 | 91.18 | 91.18 | 26.53 | 10.42 | 0.52 | 0.52 | 15.01 | 0.24 | 0.60 | 0.63 | 0.38 | 0.23 |
| 356 | 88.34 | 91.09 | 91.09 | 47.80 | 7.94 | 0.35 | 0.35 | 30.74 | 0.55 | 0.39 | 0.40 | 1.00 | 0.71 |
| 361 | 85.65 | 91.26 | 91.26 | 45.96 | 12.29 | 0.42 | 0.42 | 34.97 | 0.64 | 0.45 | 0.46 | 1.16 | 0.77 |
| 362 | 88.87 | 91.45 | 91.45 | 48.58 | 7.53 | 0.43 | 0.43 | 31.76 | 0.58 | 0.43 | 0.45 | 1.13 | 0.74 |
| 1247 | 85.76 | 91.56 | 91.56 | 53.42 | 10.62 | 0.39 | 0.39 | 27.87 | 0.59 | 0.45 | 0.46 | 0.97 | 0.73 |
| 360 | 74.77 | 91.43 | 91.43 | 42.70 | 11.78 | 0.56 | 0.56 | 20.22 | 0.40 | 0.54 | 0.56 | 0.65 | 0.42 |
| 357 | 72.91 | 91.15 | 91.15 | 38.36 | 13.18 | 0.37 | 0.37 | 22.38 | 0.40 | 0.40 | 0.40 | 0.65 | 0.42 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|------------|-----------|-------|-------|-----------------------|------|------|---------------------------------|-------------------------------|--|--------------------------------------|
| FK6 No. | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ [mas] | $\Delta\delta_{sys}$ [mas] | $\Delta\mu_{\alpha^*,sys}$ [mas/yr] | $\Delta\mu_{\delta,sys}$ [mas/yr] |
| | SI | STP | HIP | SI | STP | HIP | | | | |
| 1218 | 9.04 | 9.19 | 9.24 | 0.78 | 0.79 | 0.79 | - 62.51 | - 104.12 | + 0.93 | - 0.57 |
| 310 | 11.18 | 11.18 | 11.18 | 0.58 | 0.58 | 0.58 | - 48.10 | - 23.34 | - 1.57 | + 0.20 |
| 1217 | 55.38 | 55.20 | 55.17 | 0.88 | 0.93 | 0.93 | - 11.55 | - 65.19 | - 0.57 | - 0.12 |
| 1219 | 3.96 | 3.91 | 3.89 | 0.59 | 0.60 | 0.60 | - 71.91 | - 89.15 | + 2.81 | - 1.71 |
| 314 | 8.40 | 8.40 | 8.39 | 0.79 | 0.79 | 0.79 | - 60.45 | - 30.62 | + 0.65 | + 1.34 |
| 316 | 26.12 | 26.10 | 26.09 | 0.73 | 0.78 | 0.78 | - 60.76 | - 95.00 | + 0.55 | - 0.80 |
| 319 | 30.20 | 30.21 | 30.21 | 0.45 | 0.45 | 0.45 | + 6.36 | - 14.62 | - 0.31 | - 1.05 |
| 1222 | 9.94 | 10.51 | 10.60 | 0.98 | 1.04 | 1.05 | - 13.91 | - 82.56 | - 0.32 | - 0.17 |
| 321 | 10.39 | 10.47 | 10.46 | 0.88 | 0.89 | 0.89 | - 23.59 | - 73.19 | - 0.70 | - 0.25 |
| 320 | 15.16 | 15.51 | 15.53 | 0.75 | 0.76 | 0.76 | - 47.68 | - 48.49 | + 0.31 | + 0.88 |
| 324 | 2.28 | 2.28 | 2.27 | 0.50 | 0.50 | 0.50 | - 51.74 | - 61.54 | + 3.41 | - 2.66 |
| 1223 | 17.86 | 18.17 | 18.21 | 0.87 | 0.88 | 0.88 | - 40.36 | - 108.26 | + 0.30 | - 0.70 |
| 1224 | 9.62 | 9.32 | 9.25 | 0.88 | 0.93 | 0.94 | - 45.38 | - 104.17 | - 0.06 | - 0.83 |
| 323 | 8.26 | 8.20 | 8.21 | 0.77 | 0.80 | 0.80 | - 68.45 | - 23.84 | + 0.02 | + 1.64 |
| 322 | 9.10 | 9.17 | 9.18 | 0.59 | 0.60 | 0.60 | - 9.84 | - 24.54 | - 1.12 | + 0.22 |
| 325 | 7.98 | 7.81 | 7.78 | 0.81 | 0.82 | 0.82 | - 53.91 | - 105.88 | + 1.00 | - 0.38 |
| 1225 | 18.05 | 18.10 | 18.11 | 0.76 | 0.76 | 0.76 | - 57.70 | - 26.78 | + 0.78 | + 1.65 |
| 331 | 10.20 | 10.31 | 10.32 | 0.43 | 0.43 | 0.43 | + 163.68 | - 60.71 | - 4.27 | + 1.64 |
| 1228 | 20.29 | 20.54 | 20.58 | 0.84 | 0.87 | 0.87 | - 14.89 | - 76.40 | - 0.55 | - 0.23 |
| 327 | 3.88 | 3.86 | 3.86 | 0.53 | 0.53 | 0.53 | - 66.39 | - 91.90 | + 2.95 | - 1.68 |
| 1229 | 12.69 | 12.77 | 12.78 | 0.75 | 0.75 | 0.75 | - 53.63 | - 92.90 | + 0.83 | + 0.09 |
| 1230 | 7.52 | 7.46 | 7.45 | 0.73 | 0.74 | 0.74 | - 49.73 | - 98.33 | + 0.29 | - 0.78 |
| 332 | 15.59 | 15.63 | 15.63 | 0.58 | 0.58 | 0.58 | - 52.75 | - 93.58 | + 3.11 | - 0.61 |
| 1231 | 7.61 | 7.66 | 7.67 | 0.70 | 0.70 | 0.70 | - 49.29 | - 98.35 | + 0.71 | + 0.08 |
| 334 | 21.84 | 21.66 | 21.64 | 0.89 | 0.97 | 0.99 | - 30.49 | - 112.30 | + 0.33 | - 0.63 |
| 918 | 20.73 | 20.73 | 20.73 | 0.47 | 0.47 | 0.47 | + 115.99 | - 105.53 | + 0.48 | + 2.49 |
| 1235 | 5.38 | 5.35 | 5.32 | 0.83 | 0.84 | 0.85 | - 34.20 | - 100.81 | - 0.15 | - 0.83 |
| 343 | 26.32 | 26.25 | 26.24 | 0.51 | 0.51 | 0.51 | + 7.09 | - 22.60 | + 0.01 | - 0.81 |
| 338 | 11.31 | 11.35 | 11.35 | 0.62 | 0.62 | 0.62 | - 11.51 | - 2.92 | - 0.76 | + 0.39 |
| 1236 | 5.08 | 5.06 | 5.05 | 0.86 | 0.87 | 0.87 | - 45.26 | - 104.23 | + 0.38 | - 0.70 |
| 340 | 9.90 | 9.72 | 9.69 | 0.64 | 0.65 | 0.65 | - 34.50 | - 35.11 | - 0.29 | + 1.57 |
| 342 | 10.57 | 10.55 | 10.55 | 0.53 | 0.53 | 0.53 | - 32.39 | - 49.76 | + 4.04 | - 2.64 |
| 1237 | 4.66 | 4.76 | 4.81 | 0.72 | 0.74 | 0.76 | - 27.25 | - 58.58 | + 0.38 | + 0.99 |
| 1240 | 7.68 | 7.23 | 7.09 | 0.89 | 0.92 | 0.93 | - 33.97 | - 112.39 | + 0.97 | - 0.32 |
| 1242 | 10.91 | 10.86 | 10.85 | 0.74 | 0.74 | 0.74 | - 34.62 | - 100.43 | + 0.83 | + 0.20 |
| 348 | 29.14 | 29.33 | 29.34 | 0.47 | 0.47 | 0.47 | + 37.54 | - 43.11 | - 1.09 | - 0.31 |
| 346 | 5.62 | 5.73 | 5.69 | 0.77 | 0.81 | 0.82 | - 27.45 | - 47.29 | + 0.49 | + 1.49 |
| 1640 | 10.68 | 11.07 | 11.10 | 0.54 | 0.55 | 0.55 | + 10.50 | - 25.82 | - 3.84 | + 1.01 |
| 351 | 4.54 | 4.68 | 4.71 | 0.46 | 0.46 | 0.46 | - 16.71 | - 25.14 | + 0.01 | - 1.30 |
| 350 | 22.82 | 25.23 | 25.51 | 0.93 | 0.96 | 0.97 | - 4.75 | - 87.49 | - 0.39 | - 0.03 |
| 352 | 14.48 | 14.68 | 14.69 | 0.78 | 0.81 | 0.81 | - 9.52 | - 68.39 | + 0.72 | + 0.65 |
| 1243 | 6.19 | 6.23 | 6.25 | 0.68 | 0.70 | 0.70 | - 23.95 | - 100.65 | + 2.78 | - 0.18 |
| 1245 | 4.83 | 4.83 | 4.83 | 0.88 | 0.89 | 0.89 | - 28.81 | - 108.79 | + 0.35 | - 0.66 |
| 354 | 18.33 | 18.39 | 18.40 | 0.77 | 0.78 | 0.78 | - 25.59 | - 116.13 | + 0.66 | - 0.50 |
| 356 | 4.69 | 4.67 | 4.66 | 0.57 | 0.57 | 0.57 | - 39.34 | - 97.47 | + 2.50 | - 1.93 |
| 361 | 13.72 | 13.72 | 13.72 | 0.51 | 0.51 | 0.51 | - 31.44 | - 36.58 | + 0.78 | - 1.48 |
| 362 | 4.13 | 4.12 | 4.12 | 0.50 | 0.50 | 0.50 | + 92.19 | - 60.09 | - 2.90 | + 0.53 |
| 1247 | 9.74 | 9.76 | 9.76 | 0.69 | 0.69 | 0.69 | - 12.78 | - 104.44 | + 1.18 | + 0.32 |
| 360 | 18.58 | 18.53 | 18.52 | 0.85 | 0.88 | 0.88 | - 10.17 | - 70.17 | + 0.52 | + 0.84 |
| 357 | 30.91 | 30.89 | 30.89 | 0.55 | 0.55 | 0.55 | + 24.97 | - 30.77 | - 0.70 | + 0.42 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|------------|---------------------------------------|-------------------------------------|--|--|-----------|----------|----------|--------------|----------|----------------------|
| FK6 No. | $\varepsilon_{\alpha^*,sys}$ [mas] | $\varepsilon_{\delta,sys}$ [mas] | $\varepsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\varepsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 1218 | 7.92 | 6.82 | 0.26 | 0.16 | 1 | 2.93 | 2.98 | 3.43 | 0.79 | |
| 310 | 13.81 | 12.64 | 0.46 | 0.28 | 1 | 0.49 | 2.26 | 2.79 | 2.22 | 190 |
| 1217 | 8.79 | 7.37 | 0.28 | 0.20 | 1 | 1.37 | 1.52 | 0.83 | 1.17 | 191 |
| 1219 | 8.80 | 7.85 | 0.28 | 0.20 | 1 | 2.88 | 1.61 | 2.72 | 1.46 | |
| 314 | 9.69 | 7.76 | 0.27 | 0.20 | 1 | 4.34 | 3.55 | 3.80 | 5.53 | |
| 316 | 7.38 | 6.67 | 0.26 | 0.17 | 1 | 2.57 | 0.69 | 2.57 | 2.92 | 192 |
| 319 | 11.76 | 10.64 | 0.39 | 0.26 | 1 | 1.44 | 1.50 | 1.06 | 2.16 | |
| 1222 | 8.76 | 7.24 | 0.26 | 0.19 | 1 | 2.48 | 2.10 | 2.34 | 0.75 | 193 |
| 321 | 8.53 | 7.44 | 0.26 | 0.21 | 1 | 2.49 | 1.49 | 2.17 | 1.99 | |
| 320 | 8.95 | 7.33 | 0.27 | 0.20 | 1 | 3.18 | 2.77 | 3.03 | 1.70 | 194 |
| 324 | 9.94 | 7.76 | 0.27 | 0.21 | 1 | 1.01 | 1.05 | 1.20 | 1.24 | |
| 1223 | 7.77 | 6.58 | 0.26 | 0.18 | 1 | 3.67 | 2.53 | 3.01 | 2.62 | 195 |
| 1224 | 7.22 | 6.57 | 0.26 | 0.18 | 1 | 0.96 | 2.37 | 0.96 | 4.35 | |
| 323 | 10.59 | 8.20 | 0.32 | 0.24 | 1 | 1.60 | 2.35 | 0.20 | 0.66 | 196 |
| 322 | 12.99 | 11.36 | 0.40 | 0.27 | 1 | 0.69 | 1.67 | 0.85 | 0.70 | 197 |
| 325 | 8.42 | 6.60 | 0.24 | 0.18 | 1 | 3.59 | 3.23 | 1.34 | 2.86 | |
| 1225 | 9.96 | 7.13 | 0.25 | 0.21 | 1 | 3.55 | 1.77 | 2.58 | 2.24 | |
| 331 | 15.64 | 13.92 | 0.50 | 0.34 | 1 | 3.96 | 1.39 | 1.61 | 2.72 | 198 |
| 1228 | 8.37 | 7.26 | 0.26 | 0.22 | 1 | 1.29 | 1.63 | 1.64 | 0.59 | 199 |
| 327 | 8.76 | 7.49 | 0.27 | 0.21 | 1 | 2.06 | 1.21 | 1.12 | 2.50 | 200 |
| 1229 | 8.30 | 7.02 | 0.25 | 0.20 | 1 | 3.77 | 2.65 | 1.33 | 3.62 | |
| 1230 | 6.86 | 6.20 | 0.25 | 0.18 | 1 | 1.41 | 4.54 | 1.80 | 2.35 | 201 |
| 332 | 8.32 | 6.75 | 0.26 | 0.19 | 1 | 0.34 | 1.82 | 2.52 | 1.44 | |
| 1231 | 8.29 | 6.70 | 0.23 | 0.20 | 1 | 2.54 | 0.80 | 0.56 | 2.24 | 202 |
| 334 | 7.48 | 6.24 | 0.25 | 0.18 | 1 | 0.49 | 1.20 | 0.81 | 2.13 | |
| 918 | 17.82 | 14.48 | 0.63 | 0.49 | 1 | 1.31 | 2.38 | 3.93 | 1.20 | |
| 1235 | 6.43 | 6.30 | 0.25 | 0.17 | 1 | 1.28 | 2.79 | 1.28 | 2.81 | 203 |
| 343 | 11.65 | 9.75 | 0.37 | 0.27 | 1 | 0.97 | 2.74 | 2.51 | 1.27 | 204 |
| 338 | 11.47 | 9.53 | 0.38 | 0.28 | 1 | 1.96 | 2.14 | 2.17 | 3.41 | 205 |
| 1236 | 7.00 | 5.99 | 0.25 | 0.18 | 1 | 1.63 | 0.77 | 0.61 | 2.14 | |
| 340 | 10.51 | 8.15 | 0.34 | 0.24 | 1 | 2.04 | 1.84 | 3.79 | 0.94 | 206 |
| 342 | 10.01 | 6.91 | 0.27 | 0.22 | 1 | 1.39 | 1.86 | 1.35 | 1.34 | |
| 1237 | 8.74 | 6.97 | 0.26 | 0.21 | 1 | 0.92 | 0.80 | 0.43 | 1.48 | |
| 1240 | 7.97 | 6.21 | 0.24 | 0.18 | 1 | 2.79 | 1.81 | 2.09 | 1.51 | 207 |
| 1242 | 7.98 | 6.58 | 0.25 | 0.20 | 1 | 1.65 | 1.34 | 1.09 | 1.34 | 208 |
| 348 | 11.84 | 9.32 | 0.39 | 0.29 | 1 | 2.97 | 3.06 | 2.14 | 1.76 | 209 |
| 346 | 9.65 | 7.10 | 0.26 | 0.21 | 1 | 4.13 | 7.07 | 6.80 | 1.51 | 210 |
| 1640 | 17.47 | 14.40 | 0.62 | 0.48 | 1 | 3.66 | 6.33 | 5.03 | 2.27 | 211 |
| 351 | 11.02 | 8.35 | 0.36 | 0.23 | 1 | 4.50 | 3.46 | 2.13 | 1.71 | |
| 350 | 7.80 | 6.83 | 0.26 | 0.22 | | 15.91 | 21.20 | 19.66 | 2.88 | |
| 352 | 8.31 | 6.89 | 0.26 | 0.21 | 1 | 4.69 | 6.58 | 6.06 | 0.93 | |
| 1243 | 7.53 | 6.64 | 0.27 | 0.20 | 1 | 1.65 | 1.44 | 0.64 | 1.19 | 212 |
| 1245 | 6.99 | 6.04 | 0.25 | 0.18 | 1 | 1.18 | 0.56 | 0.77 | 1.66 | 213 |
| 354 | 6.83 | 6.27 | 0.26 | 0.18 | 1 | 0.10 | 1.16 | 2.85 | 2.45 | 214 |
| 356 | 8.69 | 6.71 | 0.27 | 0.21 | 1 | 1.88 | 1.77 | 1.14 | 2.18 | 215 |
| 361 | 9.57 | 8.15 | 0.35 | 0.24 | 1 | 0.59 | 1.37 | 1.86 | 0.42 | |
| 362 | 11.66 | 10.42 | 0.41 | 0.29 | 1 | 2.04 | 1.54 | 0.61 | 2.82 | |
| 1247 | 7.70 | 6.84 | 0.27 | 0.21 | 1 | 1.34 | 2.41 | 1.60 | 1.20 | |
| 360 | 8.27 | 6.76 | 0.27 | 0.22 | 1 | 1.17 | 0.46 | 1.23 | 2.17 | |
| 357 | 11.12 | 9.48 | 0.42 | 0.30 | 1 | 1.88 | 1.86 | 0.64 | 2.32 | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------|------------|-------------------------------|-----------------------------|-----------------------------|--|--------------------------------------|
| FK6 No. | HIP No. | Name | α (SI) 2000 h m s | δ (SI) 2000 ° ′ ″ | μ_{α^*} (SI) 2000 [mas/yr] | μ_{δ} (SI) 2000 [mas/yr] |
| 910 | 47193 | 1 H. Dra | 9 37 5.289 043 | + 81 19 34.971 47 | - 16.26 | - 16.40 |
| 1248 | 47199 | 17 G. Ant | 9 37 9.890 978 | - 32 10 43.140 97 | + 31.03 | - 15.47 |
| 1249 | 47310 | Br 1352 Hya | 9 38 27.288 826 | + 4 38 57.446 44 | - 164.52 | - 50.84 |
| 1250 | 47431 | ι Hya | 9 39 51.361 866 | - 1 8 34.112 19 | + 47.80 | - 62.43 |
| 364 | 47452 | κ Hya | 9 40 18.362 987 | - 14 19 56.251 36 | - 26.81 | - 19.18 |
| 363 | 47594 | Grb 1564 UMa | 9 42 14.823 428 | + 69 14 15.128 85 | - 66.62 | - 70.03 |
| 1251 | 47701 | 15 Leo | 9 43 33.259 489 | + 29 58 28.110 99 | - 17.63 | - 102.66 |
| 1252 | 47723 | ψ Leo | 9 43 43.903 793 | + 14 1 18.106 29 | + 3.77 | - 4.40 |
| 1254 | 47854 | ι Car | 9 45 14.811 524 | - 62 30 28.452 42 | - 12.69 | + 8.16 |
| 367 | 47908 | ϵ Leo | 9 45 51.073 337 | + 23 46 27.306 54 | - 45.57 | - 10.73 |
| 1253 | 47909 | +19°2254 Leo | 9 45 51.940 140 | + 18 41 0.902 59 | + 21.13 | - 13.09 |
| 1255 | 48113 | Br 1369 UMa | 9 48 35.371 460 | + 46 1 15.626 23 | + 222.14 | - 92.93 |
| 370 | 48341 | 6 Sex | 9 51 14.031 951 | - 4 14 36.055 58 | + 13.54 | - 27.92 |
| 371 | 48455 | μ Leo | 9 52 45.817 496 | + 26 0 25.019 19 | - 215.95 | - 55.59 |
| 373 | 48615 | 183 G. Hya | 9 54 52.208 021 | - 19 0 33.690 76 | - 47.18 | - 36.49 |
| 1257 | 48712 | 18 G. Sex | 9 56 8.001 854 | - 7 38 43.139 71 | - 18.15 | + 5.04 |
| 378 | 49029 | π Leo | 10 0 12.805 815 | + 8 2 39.196 87 | - 31.52 | - 22.85 |
| 1260 | 49339 | 193 G. Hya | 10 4 20.941 528 | - 24 17 7.937 74 | - 117.47 | + 23.70 |
| 1259 | 49363 | ρ g ^h 229 UMa | 10 4 36.321 975 | + 53 53 30.174 61 | - 23.42 | - 4.29 |
| 1261 | 49402 | ν^2 Hya | 10 5 7.469 897 | - 13 3 52.658 64 | - 37.68 | + 19.31 |
| 385 | 50099 | ω Car | 10 13 44.218 126 | - 70 2 16.452 99 | - 35.58 | + 7.44 |
| 382 | 50191 | 191 G. Vel | 10 14 44.155 715 | - 42 7 18.989 54 | - 150.10 | + 49.89 |
| 384 | 50335 | ζ Leo | 10 16 41.416 930 | + 23 25 2.316 32 | + 19.82 | - 7.54 |
| 1263 | 50414 | ϵ Sex | 10 17 37.802 575 | - 8 4 8.086 57 | - 159.54 | + 3.41 |
| 1262 | 50448 | 32 UMa | 10 18 2.026 978 | + 65 6 30.062 64 | - 89.21 | - 9.40 |
| 1266 | 50684 | 23 Sex | 10 21 2.005 960 | + 2 17 23.003 81 | - 8.35 | - 0.81 |
| 1268 | 50799 | 204 G. Vel | 10 22 19.584 858 | - 41 38 59.857 33 | - 27.11 | + 60.70 |
| 1267 | 50860 | 27 LMi | 10 23 6.328 252 | + 33 54 29.317 15 | - 13.40 | - 4.71 |
| 388 | 50885 | 25 Sex | 10 23 26.478 788 | - 4 4 26.523 79 | - 50.05 | + 4.42 |
| 1269 | 50888 | 64 G. Ant | 10 23 29.295 933 | - 38 0 35.423 32 | - 159.13 | - 53.74 |
| 391 | 50954 | ι Car | 10 24 23.707 047 | - 74 1 53.800 22 | - 15.77 | - 27.33 |
| 389 | 51069 | μ Hya | 10 26 5.426 581 | - 16 50 10.637 45 | - 128.74 | - 79.11 |
| 392 | 51172 | α Ant | 10 27 9.101 388 | - 31 4 3.999 03 | - 80.01 | + 10.21 |
| 393 | 51232 | 196 G. Car | 10 27 52.730 446 | - 58 44 21.849 02 | - 13.01 | + 2.49 |
| 1270 | 51362 | δ Sex | 10 29 28.702 471 | - 2 44 20.682 13 | - 48.35 | - 12.91 |
| 1271 | 51399 | +29°2057 LMi | 10 29 53.691 246 | + 28 34 52.390 71 | + 4.46 | - 1.46 |
| 394 | 51459 | 36 UMa | 10 30 37.580 038 | + 55 58 49.934 09 | - 176.76 | - 33.05 |
| 1663 | 51472 | 10 G. Oct | 10 30 49.284 370 | - 86 5 26.467 77 | + 0.99 | - 2.90 |
| 397 | 51576 | 203 G. Car | 10 32 1.463 394 | - 61 41 7.199 16 | - 16.59 | + 11.19 |
| 1272 | 51585 | 46 Leo | 10 32 11.773 313 | + 14 8 14.171 40 | - 41.71 | + 24.81 |
| 395 | 51808 | 9 H. Dra | 10 35 5.504 211 | + 75 42 46.688 44 | - 35.45 | - 6.21 |
| 398 | 51814 | 37 UMa | 10 35 9.693 770 | + 57 4 57.491 48 | + 66.49 | + 37.04 |
| 401 | 51839 | γ Cha | 10 35 28.108 481 | - 78 36 28.027 37 | - 37.22 | + 11.69 |
| 1275 | 52098 | 37 LMi | 10 38 43.212 509 | + 31 58 34.458 01 | - 0.19 | + 7.52 |
| 404 | 52316 | 33 Sex | 10 41 24.186 669 | - 1 44 29.369 81 | - 137.20 | - 119.48 |
| 403 | 52425 | 35 H. UMa | 10 43 4.040 338 | + 69 4 34.370 96 | + 0.56 | - 12.79 |
| 405 | 52457 | 41 LMi | 10 43 24.956 698 | + 23 11 18.253 12 | - 115.28 | + 7.91 |
| 411 | 52633 | δ^2 Cha | 10 45 47.002 058 | - 80 32 24.677 02 | - 37.66 | + 6.08 |
| 407 | 52638 | 42 LMi | 10 45 51.896 040 | + 30 40 56.324 75 | - 23.65 | - 36.81 |
| 1278 | 52660 | Br 1493 Leo | 10 46 5.679 866 | + 6 22 23.456 93 | - 8.15 | - 36.87 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|--|---|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | ε_{α^*} (SI) [mas] | $\varepsilon_{\mu,\alpha^*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 910 | 91.14 | 0.45 | 0.29 | 90.99 | 0.41 | 0.26 | 3.03 | 0.54 | H | − 5.1 | 4.28 | | 21 | 2 | |
| 1248 | 91.01 | 0.41 | 0.38 | 91.35 | 0.46 | 0.40 | 12.19 | 0.66 | H | − 2.6 | 5.62 | | 25 | 2 | |
| 1249 | 91.50 | 0.79 | 0.38 | 91.48 | 0.54 | 0.34 | 11.90 | 0.95 | H | + 45.2 | 4.68 | | 39 | | |
| 1250 | 91.26 | 0.69 | 0.32 | 91.05 | 0.47 | 0.29 | 11.83 | 0.80 | H | + 23.2 | 3.90 | | 39 | | |
| 364 | 90.90 | 0.94 | 0.35 | 91.62 | 0.48 | 0.32 | 6.33 | 0.91 | H | + 18.0 | 5.07 | 1 | 19 | | 1 |
| 363 | 91.27 | 0.42 | 0.30 | 91.02 | 0.39 | 0.29 | 6.81 | 0.60 | H | − 8.6 | 5.72 | | 19 | | 1 |
| 1251 | 91.42 | 0.71 | 0.42 | 91.08 | 0.46 | 0.38 | 20.48 | 0.83 | H | + 15.6 | 5.64 | | 31 | | |
| 1252 | 91.22 | 0.82 | 0.34 | 91.27 | 0.67 | 0.34 | 4.57 | 1.11 | H | + 7.7 | 5.36 | 1 | 35 | | |
| 1254 | 90.99 | 0.40 | 0.37 | 91.24 | 0.41 | 0.36 | 2.16 | 0.47 | H | + 3.3 | 3.69 | 3 | 33 | | |
| 367 | 91.38 | 0.73 | 0.23 | 90.99 | 0.53 | 0.20 | 13.01 | 0.88 | H | + 4.3 | 2.97 | | 39 | | |
| 1253 | 91.29 | 0.81 | 0.46 | 91.08 | 0.58 | 0.43 | 2.94 | 0.91 | H | + 12.3 | 6.78 | | 18 | | |
| 1255 | 91.39 | 0.48 | 0.31 | 90.92 | 0.38 | 0.28 | 54.26 | 0.74 | H | + 5.1 | 5.08 | | 31 | | |
| 370 | 90.90 | 0.66 | 0.27 | 91.11 | 0.51 | 0.27 | 16.31 | 0.80 | H | − 10.0 | 6.01 | | 19 | | 1 |
| 371 | 91.06 | 0.69 | 0.25 | 90.68 | 0.39 | 0.22 | 24.52 | 0.87 | H | + 13.8 | 3.88 | | 11 | 1 | 3 |
| 373 | 91.58 | 0.66 | 0.36 | 91.24 | 0.55 | 0.38 | 4.62 | 0.76 | H | + 50.0 | 4.94 | 1 | 28 | 2 | |
| 1257 | 90.79 | 0.88 | 0.48 | 91.02 | 0.59 | 0.44 | 4.70 | 1.10 | P | − 29.0 | 6.74 | | 31 | | |
| 378 | 91.52 | 0.68 | 0.24 | 91.18 | 0.44 | 0.21 | 6.21 | 0.78 | H | + 23.4 | 4.68 | 1 | 21 | 2 | |
| 1260 | 91.29 | 0.64 | 0.43 | 91.51 | 0.59 | 0.44 | 12.76 | 0.80 | H | + 4.0 | 5.70 | | 19 | | 1 |
| 1259 | 91.22 | 0.50 | 0.40 | 91.18 | 0.36 | 0.32 | 21.15 | 0.72 | H | − 16.1 | 5.71 | | 21 | 2 | |
| 1261 | 91.42 | 0.60 | 0.31 | 91.29 | 0.52 | 0.29 | 11.77 | 0.79 | H | + 28.0 | 4.60 | | 38 | | |
| 385 | 91.30 | 0.45 | 0.41 | 91.21 | 0.40 | 0.34 | 8.81 | 0.48 | H | + 7.0 | 3.29 | 1 | 19 | | 1 |
| 382 | 91.12 | 0.33 | 0.31 | 91.29 | 0.38 | 0.34 | 31.72 | 0.55 | H | + 7.4 | 3.85 | | 28 | 2 | |
| 384 | 91.26 | 0.76 | 0.27 | 91.36 | 0.45 | 0.25 | 12.56 | 0.78 | H | − 15.6 | 3.43 | | 29 | 2 | |
| 1263 | 91.39 | 0.68 | 0.31 | 91.21 | 0.48 | 0.30 | 17.86 | 0.75 | H | + 15.2 | 5.25 | | 19 | | 1 |
| 1262 | 91.30 | 0.37 | 0.30 | 91.38 | 0.39 | 0.27 | 13.07 | 0.59 | H | − 6.5 | 5.74 | | 29 | 2 | |
| 1266 | 91.15 | 0.75 | 0.36 | 91.22 | 0.52 | 0.32 | 1.63 | 0.19 | P | + 5.0 | 6.66 | | 39 | | |
| 1268 | 91.05 | 0.31 | 0.31 | 91.25 | 0.38 | 0.35 | 16.26 | 0.56 | H | + 20.9 | 4.82 | | 31 | | |
| 1267 | 91.29 | 0.65 | 0.40 | 91.08 | 0.54 | 0.36 | 14.18 | 0.85 | H | − 15.0 | 5.89 | | 19 | | 1 |
| 388 | 91.17 | 0.65 | 0.34 | 91.27 | 0.45 | 0.32 | 9.28 | 0.72 | H | + 23.0 | 5.93 | 1 | 11 | 1 | 3 |
| 1269 | 91.23 | 0.50 | 0.44 | 91.59 | 0.47 | 0.43 | 24.70 | 0.70 | H | + 17.0 | 5.34 | | 11 | 1 | 3 |
| 391 | 91.33 | 0.43 | 0.39 | 91.23 | 0.41 | 0.35 | 61.67 | 0.49 | H | − 4.8 | 3.99 | | 19 | | 1 |
| 389 | 91.36 | 0.67 | 0.26 | 91.42 | 0.51 | 0.27 | 13.14 | 0.79 | H | + 39.6 | 3.83 | 1 | 31 | | |
| 392 | 91.41 | 0.39 | 0.29 | 91.38 | 0.50 | 0.35 | 8.90 | 0.68 | H | + 12.2 | 4.28 | 1 | 39 | | |
| 393 | 90.92 | 0.43 | 0.44 | 91.22 | 0.43 | 0.37 | 3.13 | 0.53 | H | + 9.4 | 3.81 | | 31 | | |
| 1270 | 91.21 | 0.63 | 0.35 | 91.64 | 0.47 | 0.33 | 10.87 | 0.72 | H | + 19.0 | 5.19 | | 19 | | 1 |
| 1271 | 91.53 | 0.83 | 0.42 | 91.39 | 0.61 | 0.37 | 5.93 | 0.97 | H | + 39.8 | 6.88 | | 35 | | |
| 394 | 91.27 | 0.45 | 0.28 | 91.27 | 0.38 | 0.25 | 77.82 | 0.65 | H | + 8.6 | 4.82 | | 13 | | |
| 1663 | 91.25 | 0.45 | 0.37 | 91.24 | 0.43 | 0.32 | 8.68 | 0.50 | H | − 4.7 | 6.64 | | 11 | 1 | 3 |
| 397 | 91.24 | 0.43 | 0.37 | 91.40 | 0.41 | 0.35 | 6.56 | 0.49 | H | + 26.0 | 3.30 | 2 | 11 | 1 | 3 |
| 1272 | 91.14 | 0.79 | 0.37 | 91.12 | 0.67 | 0.38 | 4.40 | 1.00 | P | + 34.4 | 5.43 | 2 | 13 | | |
| 395 | 91.33 | 0.43 | 0.29 | 91.12 | 0.40 | 0.25 | 12.68 | 0.55 | H | + 16.6 | 4.86 | | 21 | 2 | |
| 398 | 91.04 | 0.40 | 0.28 | 91.23 | 0.40 | 0.26 | 37.80 | 0.61 | H | − 10.6 | 5.16 | | 39 | | |
| 401 | 91.26 | 0.43 | 0.42 | 91.27 | 0.41 | 0.37 | 7.89 | 0.49 | H | − 22.4 | 4.11 | 1 | 31 | | |
| 1275 | 90.96 | 0.52 | 0.33 | 91.36 | 0.41 | 0.30 | 6.88 | 0.82 | H | − 6.8 | 4.68 | | 19 | | 1 |
| 404 | 91.17 | 0.71 | 0.28 | 91.30 | 0.53 | 0.27 | 29.08 | 0.83 | H | + 42.7 | 6.25 | | 19 | | 1 |
| 403 | 91.37 | 0.41 | 0.29 | 91.31 | 0.39 | 0.26 | 7.65 | 0.56 | H | − 0.2 | 5.01 | | 11 | 1 | 3 |
| 405 | 91.34 | 0.69 | 0.30 | 91.54 | 0.48 | 0.28 | 15.72 | 0.84 | H | + 18.5 | 5.08 | | 39 | | |
| 411 | 91.02 | 0.39 | 0.35 | 91.14 | 0.40 | 0.34 | 8.97 | 0.45 | H | + 22.6 | 4.45 | | 21 | 2 | |
| 407 | 91.49 | 0.79 | 0.29 | 91.32 | 0.47 | 0.27 | 8.64 | 0.82 | H | + 12.0 | 5.36 | | 29 | 2 | |
| 1278 | 91.12 | 0.89 | 0.34 | 91.30 | 0.53 | 0.30 | 9.28 | 0.88 | H | − 8.9 | 6.38 | | 39 | | |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------|--|---------|---------|----------|--------------------------------------|---------|---------|----------|
| FK6 | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 910 | + 2.73 | - 3.43 | - 4.49 | + 70.42 | + 2.24 | + 3.31 | + 4.03 | + 166.86 |
| 1248 | - 3.36 | + 3.61 | + 4.06 | + 36.39 | - 21.30 | + 12.00 | + 13.82 | - 100.07 |
| 1249 | + 16.21 | - 5.68 | - 8.26 | + 90.13 | + 1.96 | + 6.72 | + 7.87 | + 24.21 |
| 1250 | + 7.56 | + 0.04 | + 0.05 | + 42.48 | - 8.05 | - 4.08 | - 4.35 | - 112.59 |
| 364 | - 6.06 | + 1.93 | + 4.45 | - 82.55 | - 1.13 | - 0.33 | - 0.59 | - 30.25 |
| 363 | + 3.16 | + 0.47 | + 0.64 | + 28.51 | - 2.38 | + 4.92 | + 5.64 | - 10.92 |
| 1251 | - 10.32 | + 5.33 | + 6.33 | - 46.16 | + 15.34 | - 6.23 | - 6.93 | + 79.73 |
| 1252 | + 0.48 | + 5.60 | + 12.07 | + 4.85 | + 4.96 | - 10.61 | - 14.87 | + 62.59 |
| 1254 | + 1.32 | - 0.98 | - 1.71 | - 68.23 | - 1.36 | + 0.62 | + 1.06 | + 25.60 |
| 367 | - 9.38 | - 3.73 | - 4.23 | - 35.73 | - 0.16 | + 9.62 | + 10.23 | + 4.44 |
| 1253 | - 0.11 | - 3.25 | - 6.71 | - 14.88 | + 0.76 | + 2.54 | + 4.20 | + 101.05 |
| 1255 | + 25.73 | - 0.51 | - 0.69 | + 75.22 | - 12.61 | + 2.64 | + 2.82 | - 48.70 |
| 370 | - 11.74 | + 1.36 | + 1.99 | - 56.80 | + 6.92 | - 2.57 | - 2.92 | + 48.78 |
| 371 | + 3.72 | - 2.60 | - 2.87 | + 10.73 | - 1.61 | + 6.00 | + 6.19 | - 2.63 |
| 373 | - 3.60 | + 5.91 | + 9.20 | - 48.35 | - 1.51 | - 3.57 | - 4.80 | - 98.75 |
| 1257 | - 2.97 | + 8.30 | + 19.10 | - 60.13 | - 3.38 | + 6.91 | + 9.29 | - 27.46 |
| 378 | - 1.54 | + 9.37 | + 11.87 | - 1.51 | + 2.73 | + 6.21 | + 6.36 | + 51.63 |
| 1260 | + 7.01 | + 1.87 | + 1.54 | + 72.98 | - 6.20 | + 10.92 | + 13.46 | - 47.85 |
| 1259 | + 14.86 | + 6.79 | + 7.32 | + 83.71 | + 2.85 | + 3.69 | + 3.95 | + 64.48 |
| 1261 | - 10.74 | + 1.32 | + 1.65 | - 66.49 | - 8.27 | + 4.67 | + 5.10 | - 76.81 |
| 385 | - 1.00 | - 1.13 | - 1.30 | - 26.59 | - 3.44 | + 0.79 | + 0.97 | - 61.32 |
| 382 | + 14.46 | - 4.77 | - 5.13 | + 22.17 | - 17.84 | - 0.39 | - 0.47 | - 161.22 |
| 384 | - 22.30 | - 0.32 | + 0.19 | - 106.35 | + 6.46 | + 1.97 | + 2.04 | + 47.57 |
| 1263 | + 2.05 | - 5.18 | - 5.84 | + 8.64 | + 7.14 | - 5.08 | - 5.42 | + 56.85 |
| 1262 | + 24.21 | - 2.11 | - 2.37 | + 151.50 | - 4.49 | + 1.04 | + 1.04 | - 32.53 |
| 1266 | + 0.69 | - 6.59 | - 15.01 | - 0.04 | - 2.48 | + 2.51 | + 3.87 | - 55.49 |
| 1268 | + 14.67 | - 0.99 | - 1.07 | + 97.05 | - 13.12 | + 0.50 | + 0.59 | - 174.10 |
| 1267 | - 1.99 | - 5.49 | - 6.27 | - 19.51 | - 7.77 | + 3.20 | + 3.64 | - 58.28 |
| 388 | - 3.99 | - 3.47 | - 3.99 | - 36.70 | + 5.02 | - 1.37 | - 1.54 | + 54.24 |
| 1269 | - 9.60 | + 2.26 | + 2.61 | - 71.96 | - 8.51 | + 1.40 | + 1.57 | - 124.25 |
| 391 | - 2.59 | - 2.84 | - 3.01 | - 37.15 | + 3.19 | - 2.43 | - 2.61 | - 1.94 |
| 389 | - 8.74 | + 1.59 | + 2.03 | - 50.70 | - 9.98 | - 7.41 | - 8.09 | - 116.42 |
| 392 | + 11.70 | - 3.29 | - 3.45 | + 66.48 | + 7.25 | - 4.32 | - 4.91 | + 39.59 |
| 393 | + 1.79 | - 1.37 | - 2.19 | + 8.91 | + 0.26 | - 1.66 | - 2.46 | - 174.24 |
| 1270 | - 1.29 | - 3.21 | - 3.73 | - 14.15 | - 1.86 | + 1.08 | + 1.24 | - 18.13 |
| 1271 | + 0.34 | + 5.53 | + 7.78 | + 23.27 | - 1.27 | + 5.10 | + 6.03 | + 54.49 |
| 394 | + 3.13 | - 2.11 | - 2.20 | + 8.57 | + 12.69 | - 3.37 | - 3.46 | + 60.60 |
| 1663 | - 1.89 | + 0.89 | + 1.07 | - 28.29 | + 0.51 | + 1.15 | + 1.32 | + 56.57 |
| 397 | - 2.95 | - 0.06 | + 0.02 | - 99.95 | - 5.12 | + 1.62 | + 1.97 | - 78.63 |
| 1272 | - 2.50 | + 4.48 | + 6.75 | - 23.65 | - 3.21 | - 0.19 | - 0.77 | - 55.86 |
| 395 | + 47.39 | - 80.75 | - 87.22 | + 149.65 | + 20.99 | - 72.35 | - 76.83 | - 73.79 |
| 398 | - 1.69 | - 7.22 | - 7.49 | - 17.71 | + 9.01 | + 0.67 | + 0.67 | + 59.40 |
| 401 | + 10.63 | - 5.51 | - 6.82 | + 85.83 | - 0.13 | - 1.04 | - 1.39 | + 0.25 |
| 1275 | + 0.33 | + 1.96 | + 2.49 | + 2.96 | - 1.20 | - 2.47 | - 2.90 | - 26.88 |
| 404 | - 8.61 | + 2.41 | + 2.76 | - 29.67 | - 8.36 | + 3.01 | + 3.27 | - 42.28 |
| 403 | + 4.99 | - 2.15 | - 2.41 | + 35.12 | + 1.67 | - 0.50 | - 0.59 | + 19.27 |
| 405 | - 13.46 | - 10.35 | - 11.81 | - 71.32 | + 11.72 | + 2.96 | + 3.15 | + 88.44 |
| 411 | - 18.42 | + 2.53 | + 2.98 | - 246.57 | - 2.74 | + 0.82 | + 1.00 | - 60.20 |
| 407 | + 3.73 | - 19.90 | - 24.94 | + 14.11 | - 3.16 | + 3.29 | + 3.62 | - 25.08 |
| 1278 | - 8.41 | + 7.22 | + 12.11 | - 65.56 | + 6.90 | + 1.66 | + 2.41 | + 81.89 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|---|--------|---------|--------|---------|---|--------|--------|--------|---------|
| FK6 | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| No. | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 910 | + 0.18 | - 0.39 | - 0.51 | + 1.06 | - 0.06 | - 0.13 | + 0.37 | + 0.45 | + 1.63 | - 0.79 |
| 1248 | - 0.91 | + 0.40 | + 0.45 | - 0.30 | - 1.68 | - 2.22 | + 1.39 | + 1.60 | - 3.63 | - 1.89 |
| 1249 | + 0.34 | - 0.63 | - 0.93 | + 1.68 | - 0.78 | - 0.15 | + 0.78 | + 0.91 | + 0.15 | - 0.43 |
| 1250 | + 0.18 | + 0.01 | + 0.01 | + 0.76 | - 0.23 | + 0.18 | - 0.46 | - 0.49 | - 1.13 | + 1.01 |
| 364 | - 0.10 | + 0.21 | + 0.49 | - 1.25 | + 0.47 | + 0.00 | - 0.04 | - 0.07 | - 0.38 | + 0.15 |
| 363 | + 0.11 | + 0.05 | + 0.07 | + 0.50 | - 0.13 | - 0.28 | + 0.55 | + 0.63 | - 0.43 | - 0.28 |
| 1251 | - 0.36 | + 0.64 | + 0.76 | - 1.10 | + 0.22 | + 0.90 | - 0.71 | - 0.79 | + 2.02 | + 0.11 |
| 1252 | - 0.02 | + 0.66 | + 1.41 | + 0.01 | - 0.12 | + 0.36 | - 1.23 | - 1.73 | + 1.23 | + 0.08 |
| 1254 | + 0.31 | - 0.11 | - 0.19 | - 0.68 | + 1.49 | - 0.20 | + 0.07 | + 0.12 | + 0.04 | - 0.59 |
| 367 | - 0.11 | - 0.46 | - 0.52 | - 0.46 | + 0.28 | - 0.19 | + 1.09 | + 1.16 | - 0.15 | - 0.25 |
| 1253 | + 0.07 | - 0.38 | - 0.78 | - 0.13 | + 0.30 | - 0.14 | + 0.29 | + 0.48 | + 1.39 | - 0.95 |
| 1255 | + 0.44 | - 0.05 | - 0.07 | + 1.33 | - 0.82 | - 0.46 | + 0.29 | + 0.31 | - 0.99 | + 0.04 |
| 370 | - 0.18 | + 0.15 | + 0.22 | - 0.86 | + 0.30 | + 0.18 | - 0.29 | - 0.33 | + 0.75 | - 0.11 |
| 371 | + 0.09 | - 0.31 | - 0.34 | + 0.20 | - 0.03 | - 0.24 | + 0.65 | + 0.67 | - 0.26 | - 0.26 |
| 373 | - 0.16 | + 0.70 | + 1.09 | - 0.93 | + 0.15 | + 0.20 | - 0.41 | - 0.55 | - 1.21 | + 0.98 |
| 1257 | - 0.16 | + 0.90 | + 2.08 | - 1.39 | + 0.21 | - 0.42 | + 0.77 | + 1.03 | - 0.97 | - 0.45 |
| 378 | - 0.17 | + 1.16 | + 1.46 | - 0.20 | - 0.21 | - 0.21 | + 0.72 | + 0.74 | + 0.33 | - 0.52 |
| 1260 | - 0.05 | + 0.21 | + 0.17 | + 1.05 | - 0.86 | - 0.50 | + 1.29 | + 1.59 | - 1.19 | - 0.31 |
| 1259 | - 0.12 | + 0.78 | + 0.84 | + 1.25 | - 1.45 | - 0.75 | + 0.42 | + 0.45 | + 0.23 | - 1.72 |
| 1261 | - 0.19 | + 0.16 | + 0.20 | - 1.00 | + 0.43 | - 0.28 | + 0.54 | + 0.59 | - 1.16 | + 0.13 |
| 385 | + 0.10 | - 0.13 | - 0.15 | - 0.29 | + 0.45 | - 0.18 | + 0.09 | + 0.11 | - 0.97 | + 0.20 |
| 382 | + 1.71 | - 0.54 | - 0.58 | + 1.93 | + 1.76 | - 0.73 | - 0.04 | - 0.05 | - 2.61 | + 0.51 |
| 384 | - 0.33 | - 0.04 | + 0.02 | - 1.57 | + 0.72 | + 0.01 | + 0.23 | + 0.24 | + 0.54 | - 0.36 |
| 1263 | + 0.13 | - 0.63 | - 0.71 | + 0.24 | + 0.10 | + 0.31 | - 0.59 | - 0.63 | + 0.97 | + 0.05 |
| 1262 | + 0.62 | - 0.24 | - 0.27 | + 2.64 | - 1.09 | - 0.19 | + 0.12 | + 0.12 | - 0.55 | + 0.05 |
| 1266 | + 0.16 | - 0.76 | - 1.72 | + 0.33 | + 0.42 | - 0.22 | + 0.29 | + 0.45 | - 1.16 | - 0.01 |
| 1268 | + 0.77 | - 0.11 | - 0.12 | + 2.22 | - 0.43 | - 0.50 | + 0.06 | + 0.07 | - 2.58 | + 0.90 |
| 1267 | + 0.21 | - 0.64 | - 0.73 | - 0.08 | + 0.60 | - 0.31 | + 0.37 | + 0.42 | - 1.10 | + 0.20 |
| 388 | + 0.02 | - 0.40 | - 0.46 | - 0.50 | + 0.39 | + 0.21 | - 0.16 | - 0.18 | + 0.94 | - 0.14 |
| 1269 | - 0.41 | + 0.26 | + 0.30 | - 1.46 | + 0.33 | - 0.27 | + 0.17 | + 0.19 | - 1.78 | + 0.55 |
| 391 | + 0.40 | - 0.33 | - 0.35 | - 0.14 | + 1.00 | + 0.46 | - 0.28 | - 0.30 | + 0.42 | + 0.54 |
| 389 | - 0.13 | + 0.18 | + 0.23 | - 0.70 | + 0.25 | + 0.06 | - 0.87 | - 0.95 | - 1.20 | + 0.68 |
| 392 | + 0.95 | - 0.39 | - 0.41 | + 1.78 | + 0.55 | + 0.74 | - 0.51 | - 0.58 | + 1.21 | + 0.65 |
| 393 | + 0.23 | - 0.15 | - 0.24 | + 0.48 | + 0.32 | + 0.29 | - 0.19 | - 0.28 | - 1.98 | + 1.56 |
| 1270 | + 0.07 | - 0.37 | - 0.43 | - 0.12 | + 0.24 | - 0.07 | + 0.13 | + 0.15 | - 0.30 | + 0.05 |
| 1271 | - 0.17 | + 0.67 | + 0.94 | + 0.18 | - 0.48 | - 0.47 | + 0.60 | + 0.71 | + 0.35 | - 0.99 |
| 394 | + 0.20 | - 0.25 | - 0.26 | + 0.30 | + 0.14 | + 0.51 | - 0.39 | - 0.40 | + 1.09 | + 0.11 |
| 1663 | - 0.11 | + 0.10 | + 0.12 | - 0.53 | + 0.05 | - 0.10 | + 0.13 | + 0.15 | + 0.58 | - 0.30 |
| 397 | + 0.09 | - 0.01 | + 0.00 | - 1.40 | + 1.07 | - 0.44 | + 0.19 | + 0.23 | - 1.49 | - 0.08 |
| 1272 | - 0.16 | + 0.51 | + 0.77 | - 0.60 | + 0.02 | - 0.10 | - 0.03 | - 0.10 | - 0.89 | + 0.43 |
| 395 | + 4.99 | - 9.38 | - 10.13 | + 6.77 | + 4.78 | + 3.73 | - 8.24 | - 8.75 | + 2.92 | + 4.46 |
| 398 | + 0.42 | - 0.81 | - 0.84 | + 0.18 | + 0.69 | + 0.12 | + 0.07 | + 0.07 | + 0.74 | - 0.29 |
| 401 | + 0.89 | - 0.63 | - 0.78 | + 2.30 | + 0.24 | - 0.01 | - 0.12 | - 0.16 | + 0.01 | + 0.01 |
| 1275 | - 0.02 | + 0.23 | + 0.29 | + 0.01 | - 0.08 | + 0.11 | - 0.29 | - 0.34 | - 0.23 | + 0.38 |
| 404 | - 0.17 | + 0.28 | + 0.32 | - 0.50 | + 0.14 | - 0.18 | + 0.35 | + 0.38 | - 0.63 | + 0.11 |
| 403 | + 0.25 | - 0.25 | - 0.28 | + 0.74 | - 0.05 | + 0.07 | - 0.06 | - 0.07 | + 0.30 | - 0.03 |
| 405 | - 0.08 | - 1.21 | - 1.38 | - 0.95 | + 0.62 | + 0.06 | + 0.34 | + 0.36 | + 1.07 | - 0.59 |
| 411 | - 0.59 | + 0.28 | + 0.33 | - 3.93 | + 1.77 | - 0.12 | + 0.09 | + 0.11 | - 0.83 | + 0.20 |
| 407 | + 0.31 | - 2.36 | - 2.96 | + 0.54 | + 0.26 | - 0.18 | + 0.35 | + 0.38 | - 0.47 | - 0.03 |
| 1278 | - 0.17 | + 0.82 | + 1.38 | - 1.07 | + 0.40 | + 0.06 | + 0.20 | + 0.29 | + 1.00 | - 0.49 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------|------------|-------|-------|-------|--------------------------------|------|------|-------|--|------|------|------|---------|
| FK6 | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu, \alpha^*}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 910 | 86.32 | 91.17 | 91.17 | 36.74 | 6.37 | 0.45 | 0.45 | 21.19 | 0.34 | 0.49 | 0.54 | 0.68 | 0.39 |
| 1248 | 85.31 | 91.02 | 91.02 | 62.78 | 11.18 | 0.41 | 0.41 | 24.49 | 0.68 | 0.45 | 0.46 | 1.08 | 0.87 |
| 1249 | 79.28 | 91.56 | 91.56 | 60.41 | 9.75 | 0.84 | 0.84 | 15.62 | 0.46 | 1.01 | 1.14 | 0.68 | 0.50 |
| 1250 | 76.75 | 91.34 | 91.34 | 55.11 | 9.62 | 0.69 | 0.69 | 15.18 | 0.41 | 0.83 | 0.90 | 0.63 | 0.42 |
| 364 | 81.85 | 91.02 | 91.02 | 49.47 | 8.40 | 0.94 | 0.94 | 17.80 | 0.39 | 1.10 | 1.49 | 0.67 | 0.43 |
| 363 | 82.10 | 91.28 | 91.28 | 52.50 | 8.58 | 0.42 | 0.42 | 17.65 | 0.40 | 0.50 | 0.52 | 0.66 | 0.46 |
| 1251 | 79.32 | 91.48 | 91.48 | 63.84 | 11.21 | 0.72 | 0.72 | 16.98 | 0.58 | 0.77 | 0.81 | 0.86 | 0.61 |
| 1252 | 83.53 | 91.32 | 91.32 | 55.78 | 7.23 | 0.82 | 0.82 | 15.46 | 0.37 | 0.97 | 1.34 | 0.58 | 0.44 |
| 1254 | 90.02 | 91.00 | 91.00 | 62.41 | 5.53 | 0.40 | 0.40 | 27.25 | 0.60 | 0.40 | 0.43 | 1.13 | 0.95 |
| 367 | 69.16 | 91.54 | 91.54 | 48.39 | 8.97 | 0.73 | 0.73 | 12.49 | 0.29 | 0.75 | 0.80 | 0.40 | 0.29 |
| 1253 | 87.88 | 91.35 | 91.35 | 59.73 | 6.24 | 0.81 | 0.81 | 18.97 | 0.50 | 0.77 | 1.00 | 0.98 | 0.60 |
| 1255 | 73.85 | 91.40 | 91.40 | 61.70 | 11.16 | 0.48 | 0.48 | 14.54 | 0.48 | 0.50 | 0.51 | 0.64 | 0.49 |
| 370 | 69.93 | 91.00 | 91.00 | 48.67 | 9.86 | 0.66 | 0.66 | 13.94 | 0.35 | 0.87 | 0.94 | 0.55 | 0.33 |
| 371 | 67.78 | 91.17 | 91.17 | 52.72 | 9.75 | 0.70 | 0.70 | 12.50 | 0.34 | 0.77 | 0.81 | 0.46 | 0.33 |
| 373 | 84.73 | 91.62 | 91.62 | 54.19 | 7.44 | 0.66 | 0.66 | 17.60 | 0.41 | 0.76 | 0.90 | 0.70 | 0.47 |
| 1257 | 85.84 | 90.87 | 90.87 | 61.21 | 7.54 | 0.89 | 0.89 | 18.05 | 0.52 | 1.07 | 1.53 | 0.93 | 0.61 |
| 378 | 77.01 | 91.57 | 91.57 | 45.62 | 7.81 | 0.70 | 0.70 | 13.96 | 0.28 | 0.72 | 0.81 | 0.45 | 0.30 |
| 1260 | 82.10 | 91.33 | 91.33 | 57.84 | 10.90 | 0.65 | 0.65 | 20.82 | 0.54 | 0.80 | 0.86 | 0.87 | 0.62 |
| 1259 | 79.24 | 91.24 | 91.24 | 64.31 | 11.19 | 0.50 | 0.50 | 16.77 | 0.59 | 0.61 | 0.63 | 0.88 | 0.62 |
| 1261 | 76.87 | 91.46 | 91.46 | 51.05 | 9.94 | 0.60 | 0.60 | 16.61 | 0.38 | 0.80 | 0.86 | 0.58 | 0.41 |
| 385 | 85.83 | 91.31 | 91.31 | 58.83 | 10.04 | 0.45 | 0.45 | 24.55 | 0.59 | 0.54 | 0.56 | 0.94 | 0.76 |
| 382 | 81.58 | 91.13 | 91.13 | 59.90 | 13.62 | 0.33 | 0.33 | 24.52 | 0.65 | 0.38 | 0.38 | 0.96 | 0.79 |
| 384 | 72.79 | 91.37 | 91.37 | 50.81 | 9.38 | 0.77 | 0.77 | 13.88 | 0.34 | 0.89 | 0.98 | 0.50 | 0.34 |
| 1263 | 73.56 | 91.44 | 91.44 | 46.58 | 11.15 | 0.70 | 0.70 | 17.71 | 0.39 | 0.80 | 0.85 | 0.64 | 0.40 |
| 1262 | 80.22 | 91.32 | 91.32 | 56.77 | 10.64 | 0.37 | 0.37 | 18.81 | 0.47 | 0.42 | 0.43 | 0.70 | 0.54 |
| 1266 | 88.26 | 91.22 | 91.22 | 59.38 | 4.72 | 0.75 | 0.75 | 15.43 | 0.39 | 0.62 | 0.85 | 0.69 | 0.49 |
| 1268 | 84.61 | 91.05 | 91.05 | 61.91 | 12.24 | 0.31 | 0.31 | 25.74 | 0.69 | 0.36 | 0.37 | 1.03 | 0.88 |
| 1267 | 81.15 | 91.33 | 91.33 | 63.30 | 10.62 | 0.65 | 0.65 | 17.67 | 0.55 | 0.66 | 0.69 | 0.80 | 0.63 |
| 388 | 79.85 | 91.22 | 91.22 | 55.16 | 9.32 | 0.65 | 0.65 | 16.58 | 0.42 | 0.71 | 0.76 | 0.69 | 0.46 |
| 1269 | 83.24 | 91.25 | 91.25 | 58.30 | 13.58 | 0.50 | 0.50 | 27.55 | 0.69 | 0.59 | 0.60 | 1.07 | 0.84 |
| 391 | 81.16 | 91.34 | 91.34 | 59.83 | 14.46 | 0.43 | 0.43 | 25.52 | 0.68 | 0.48 | 0.49 | 0.99 | 0.81 |
| 389 | 71.57 | 91.45 | 91.45 | 44.45 | 9.85 | 0.68 | 0.68 | 15.18 | 0.32 | 0.84 | 0.91 | 0.51 | 0.32 |
| 392 | 83.04 | 91.39 | 91.39 | 49.79 | 9.90 | 0.40 | 0.40 | 22.23 | 0.45 | 0.41 | 0.43 | 0.74 | 0.53 |
| 393 | 89.37 | 90.93 | 90.93 | 60.96 | 6.57 | 0.43 | 0.43 | 26.76 | 0.63 | 0.51 | 0.55 | 1.19 | 0.89 |
| 1270 | 79.76 | 91.27 | 91.27 | 54.39 | 9.97 | 0.64 | 0.64 | 17.87 | 0.44 | 0.67 | 0.71 | 0.69 | 0.48 |
| 1271 | 84.67 | 91.59 | 91.59 | 58.56 | 8.25 | 0.83 | 0.83 | 18.27 | 0.48 | 0.82 | 0.95 | 0.85 | 0.55 |
| 394 | 70.41 | 91.30 | 91.30 | 52.92 | 11.99 | 0.45 | 0.45 | 16.26 | 0.44 | 0.47 | 0.48 | 0.64 | 0.42 |
| 1663 | 85.29 | 91.25 | 91.25 | 50.73 | 10.10 | 0.45 | 0.45 | 26.33 | 0.56 | 0.48 | 0.50 | 1.04 | 0.65 |
| 397 | 87.42 | 91.24 | 91.24 | 55.77 | 9.11 | 0.43 | 0.43 | 27.76 | 0.60 | 0.46 | 0.48 | 1.03 | 0.78 |
| 1272 | 85.07 | 91.24 | 91.24 | 61.65 | 7.14 | 0.79 | 0.79 | 15.63 | 0.44 | 0.73 | 0.86 | 0.70 | 0.53 |
| 395 | 77.18 | 91.36 | 91.36 | 45.50 | 10.61 | 0.43 | 0.43 | 19.14 | 0.40 | 0.48 | 0.49 | 0.69 | 0.42 |
| 398 | 71.47 | 91.06 | 91.06 | 52.96 | 11.68 | 0.40 | 0.40 | 16.25 | 0.44 | 0.44 | 0.45 | 0.65 | 0.43 |
| 401 | 86.86 | 91.27 | 91.27 | 59.24 | 9.74 | 0.43 | 0.43 | 26.29 | 0.63 | 0.54 | 0.56 | 1.04 | 0.82 |
| 1275 | 81.89 | 91.08 | 91.08 | 61.66 | 8.16 | 0.54 | 0.54 | 14.53 | 0.43 | 0.60 | 0.64 | 0.66 | 0.49 |
| 404 | 68.28 | 91.27 | 91.27 | 51.68 | 10.46 | 0.71 | 0.71 | 13.72 | 0.37 | 0.82 | 0.86 | 0.53 | 0.35 |
| 403 | 81.87 | 91.39 | 91.39 | 54.68 | 8.92 | 0.42 | 0.42 | 17.61 | 0.42 | 0.44 | 0.45 | 0.67 | 0.48 |
| 405 | 73.04 | 91.42 | 91.42 | 51.34 | 10.16 | 0.69 | 0.69 | 15.03 | 0.38 | 0.84 | 0.90 | 0.59 | 0.38 |
| 411 | 85.56 | 91.02 | 91.02 | 53.97 | 10.21 | 0.39 | 0.39 | 26.16 | 0.55 | 0.45 | 0.46 | 0.88 | 0.71 |
| 407 | 77.36 | 91.62 | 91.62 | 56.22 | 8.49 | 0.81 | 0.81 | 13.46 | 0.35 | 0.80 | 0.88 | 0.52 | 0.38 |
| 1278 | 79.17 | 91.25 | 91.25 | 53.15 | 9.32 | 0.90 | 0.90 | 16.56 | 0.39 | 1.14 | 1.42 | 0.62 | 0.44 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 No. | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 910 | 86.21 | 91.01 | 91.01 | 28.14 | 6.40 | 0.41 | 0.41 | 22.72 | 0.31 | 0.45 | 0.49 | 0.64 | 0.36 |
| 1248 | 85.97 | 91.36 | 91.36 | 51.95 | 11.69 | 0.46 | 0.46 | 31.90 | 0.65 | 0.51 | 0.52 | 1.07 | 0.81 |
| 1249 | 79.45 | 91.48 | 91.48 | 51.82 | 10.42 | 0.56 | 0.56 | 19.05 | 0.43 | 0.69 | 0.73 | 0.67 | 0.48 |
| 1250 | 79.60 | 91.12 | 91.12 | 43.19 | 10.81 | 0.48 | 0.48 | 21.97 | 0.41 | 0.48 | 0.50 | 0.68 | 0.46 |
| 364 | 84.01 | 91.62 | 91.62 | 41.03 | 8.78 | 0.48 | 0.48 | 23.07 | 0.41 | 0.52 | 0.56 | 0.78 | 0.46 |
| 363 | 82.12 | 91.03 | 91.03 | 42.90 | 8.84 | 0.39 | 0.39 | 20.37 | 0.37 | 0.49 | 0.51 | 0.67 | 0.42 |
| 1251 | 81.83 | 91.12 | 91.12 | 58.88 | 12.55 | 0.48 | 0.48 | 23.27 | 0.61 | 0.52 | 0.53 | 0.91 | 0.72 |
| 1252 | 85.45 | 91.34 | 91.34 | 46.37 | 7.61 | 0.69 | 0.69 | 21.14 | 0.39 | 0.65 | 0.73 | 0.66 | 0.47 |
| 1254 | 90.24 | 91.25 | 91.25 | 50.99 | 5.58 | 0.41 | 0.41 | 35.26 | 0.58 | 0.40 | 0.42 | 1.13 | 0.88 |
| 367 | 67.07 | 91.10 | 91.10 | 33.57 | 9.82 | 0.55 | 0.55 | 15.17 | 0.27 | 0.50 | 0.51 | 0.42 | 0.26 |
| 1253 | 88.74 | 91.11 | 91.11 | 53.16 | 6.37 | 0.58 | 0.58 | 25.02 | 0.52 | 0.59 | 0.67 | 1.05 | 0.66 |
| 1255 | 73.78 | 90.93 | 90.93 | 52.18 | 12.94 | 0.38 | 0.38 | 19.36 | 0.46 | 0.39 | 0.39 | 0.66 | 0.50 |
| 370 | 73.17 | 91.18 | 91.18 | 42.33 | 11.07 | 0.51 | 0.51 | 18.20 | 0.37 | 0.53 | 0.55 | 0.63 | 0.37 |
| 371 | 66.04 | 90.69 | 90.69 | 37.10 | 11.40 | 0.40 | 0.40 | 16.70 | 0.31 | 0.41 | 0.42 | 0.47 | 0.31 |
| 373 | 87.06 | 91.26 | 91.26 | 50.99 | 7.75 | 0.55 | 0.55 | 24.03 | 0.49 | 0.54 | 0.58 | 0.92 | 0.60 |
| 1257 | 87.05 | 91.06 | 91.06 | 54.84 | 7.78 | 0.59 | 0.59 | 23.02 | 0.53 | 0.68 | 0.77 | 1.00 | 0.64 |
| 378 | 76.27 | 91.19 | 91.19 | 33.87 | 8.09 | 0.44 | 0.44 | 15.83 | 0.26 | 0.43 | 0.45 | 0.45 | 0.28 |
| 1260 | 82.99 | 91.53 | 91.53 | 48.58 | 11.48 | 0.59 | 0.59 | 26.05 | 0.54 | 0.84 | 0.91 | 0.95 | 0.61 |
| 1259 | 81.54 | 91.18 | 91.18 | 59.22 | 12.55 | 0.36 | 0.36 | 22.80 | 0.61 | 0.38 | 0.38 | 0.92 | 0.71 |
| 1261 | 77.20 | 91.32 | 91.32 | 39.53 | 10.58 | 0.52 | 0.52 | 20.31 | 0.37 | 0.54 | 0.56 | 0.64 | 0.39 |
| 385 | 86.27 | 91.21 | 91.21 | 45.98 | 10.38 | 0.40 | 0.40 | 31.31 | 0.57 | 0.42 | 0.43 | 1.01 | 0.69 |
| 382 | 82.06 | 91.29 | 91.29 | 46.95 | 14.58 | 0.38 | 0.38 | 32.01 | 0.61 | 0.42 | 0.43 | 0.98 | 0.72 |
| 384 | 73.68 | 91.36 | 91.36 | 43.49 | 10.11 | 0.47 | 0.47 | 16.66 | 0.34 | 0.49 | 0.50 | 0.54 | 0.35 |
| 1263 | 74.87 | 91.22 | 91.22 | 38.98 | 11.88 | 0.49 | 0.49 | 21.23 | 0.40 | 0.56 | 0.58 | 0.72 | 0.41 |
| 1262 | 79.50 | 91.40 | 91.40 | 44.70 | 11.15 | 0.39 | 0.39 | 22.19 | 0.41 | 0.38 | 0.39 | 0.64 | 0.48 |
| 1266 | 88.83 | 91.25 | 91.25 | 52.05 | 4.77 | 0.52 | 0.52 | 19.19 | 0.39 | 0.45 | 0.51 | 0.76 | 0.49 |
| 1268 | 84.98 | 91.24 | 91.24 | 47.66 | 12.88 | 0.38 | 0.38 | 33.96 | 0.62 | 0.43 | 0.44 | 1.00 | 0.78 |
| 1267 | 81.46 | 91.13 | 91.13 | 53.89 | 11.42 | 0.55 | 0.55 | 22.31 | 0.51 | 0.52 | 0.54 | 0.81 | 0.60 |
| 388 | 82.45 | 91.28 | 91.28 | 48.84 | 10.02 | 0.45 | 0.45 | 21.99 | 0.46 | 0.45 | 0.46 | 0.79 | 0.52 |
| 1269 | 83.81 | 91.60 | 91.60 | 44.64 | 14.31 | 0.48 | 0.48 | 35.80 | 0.65 | 0.59 | 0.60 | 1.11 | 0.76 |
| 391 | 81.14 | 91.24 | 91.24 | 46.04 | 15.46 | 0.41 | 0.41 | 32.69 | 0.63 | 0.44 | 0.44 | 1.02 | 0.72 |
| 389 | 74.15 | 91.46 | 91.46 | 34.95 | 10.79 | 0.51 | 0.51 | 19.57 | 0.34 | 0.61 | 0.63 | 0.61 | 0.35 |
| 392 | 84.34 | 91.38 | 91.38 | 39.43 | 10.29 | 0.50 | 0.50 | 28.15 | 0.47 | 0.56 | 0.59 | 0.86 | 0.54 |
| 393 | 89.46 | 91.22 | 91.22 | 46.95 | 6.64 | 0.43 | 0.43 | 33.06 | 0.56 | 0.44 | 0.47 | 1.12 | 0.75 |
| 1270 | 80.97 | 91.66 | 91.66 | 46.46 | 10.54 | 0.47 | 0.47 | 21.99 | 0.44 | 0.54 | 0.56 | 0.74 | 0.49 |
| 1271 | 85.65 | 91.42 | 91.42 | 53.07 | 8.51 | 0.61 | 0.61 | 22.19 | 0.50 | 0.53 | 0.56 | 0.95 | 0.58 |
| 394 | 70.78 | 91.28 | 91.28 | 39.51 | 13.79 | 0.38 | 0.38 | 21.93 | 0.41 | 0.36 | 0.36 | 0.64 | 0.42 |
| 1663 | 84.25 | 91.24 | 91.24 | 32.42 | 10.26 | 0.43 | 0.43 | 29.75 | 0.47 | 0.44 | 0.45 | 1.06 | 0.51 |
| 397 | 87.83 | 91.39 | 91.39 | 44.76 | 9.29 | 0.42 | 0.42 | 34.18 | 0.59 | 0.42 | 0.44 | 1.11 | 0.73 |
| 1272 | 86.66 | 91.21 | 91.21 | 54.64 | 7.50 | 0.68 | 0.68 | 21.20 | 0.45 | 0.66 | 0.76 | 0.74 | 0.58 |
| 395 | 75.30 | 91.14 | 91.14 | 26.13 | 11.08 | 0.40 | 0.40 | 22.40 | 0.33 | 0.43 | 0.44 | 0.64 | 0.34 |
| 398 | 72.24 | 91.24 | 91.24 | 40.02 | 13.33 | 0.40 | 0.40 | 21.88 | 0.41 | 0.38 | 0.38 | 0.65 | 0.43 |
| 401 | 87.18 | 91.28 | 91.28 | 46.06 | 10.00 | 0.41 | 0.41 | 33.33 | 0.60 | 0.45 | 0.46 | 1.11 | 0.74 |
| 1275 | 83.03 | 91.43 | 91.43 | 50.71 | 8.80 | 0.41 | 0.41 | 19.54 | 0.41 | 0.47 | 0.50 | 0.66 | 0.48 |
| 404 | 68.21 | 91.33 | 91.33 | 41.78 | 11.80 | 0.54 | 0.54 | 17.28 | 0.36 | 0.64 | 0.66 | 0.58 | 0.35 |
| 403 | 81.60 | 91.32 | 91.32 | 41.63 | 9.28 | 0.39 | 0.39 | 21.04 | 0.38 | 0.36 | 0.37 | 0.66 | 0.42 |
| 405 | 74.21 | 91.57 | 91.57 | 43.90 | 11.02 | 0.49 | 0.49 | 18.36 | 0.37 | 0.54 | 0.56 | 0.61 | 0.39 |
| 411 | 85.92 | 91.14 | 91.14 | 40.09 | 10.50 | 0.40 | 0.40 | 32.54 | 0.53 | 0.43 | 0.44 | 0.96 | 0.64 |
| 407 | 78.77 | 91.36 | 91.36 | 42.53 | 9.41 | 0.48 | 0.48 | 18.59 | 0.34 | 0.49 | 0.51 | 0.57 | 0.38 |
| 1278 | 79.57 | 91.36 | 91.36 | 42.27 | 9.82 | 0.53 | 0.53 | 20.10 | 0.37 | 0.63 | 0.67 | 0.62 | 0.41 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|------------|-----------|-------|-------|-----------------------|------|------|---------------------------------|-------------------------------|--|--------------------------------------|
| FK6 No. | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ [mas] | $\Delta\delta_{sys}$ [mas] | $\Delta\mu_{\alpha^*,sys}$ [mas/yr] | $\Delta\mu_{\delta,sys}$ [mas/yr] |
| | SI | STP | HIP | SI | STP | HIP | | | | |
| 910 | 2.98 | 3.02 | 3.03 | 0.54 | 0.54 | 0.54 | - 12.74 | - 47.17 | - 3.69 | + 0.57 |
| 1248 | 12.10 | 12.18 | 12.19 | 0.66 | 0.66 | 0.66 | - 24.89 | - 103.18 | + 3.04 | - 1.30 |
| 1249 | 11.29 | 11.80 | 11.90 | 0.86 | 0.94 | 0.95 | - 14.52 | - 119.78 | + 0.33 | - 0.61 |
| 1250 | 11.80 | 11.83 | 11.83 | 0.76 | 0.79 | 0.80 | - 11.99 | - 107.78 | + 0.03 | - 0.74 |
| 364 | 6.40 | 6.37 | 6.33 | 0.88 | 0.90 | 0.91 | - 5.53 | - 116.37 | + 1.17 | - 0.04 |
| 363 | 6.76 | 6.80 | 6.81 | 0.59 | 0.60 | 0.60 | + 21.35 | - 31.21 | - 0.61 | + 0.46 |
| 1251 | 20.79 | 20.53 | 20.48 | 0.79 | 0.83 | 0.83 | + 12.64 | - 82.86 | + 0.28 | + 0.24 |
| 1252 | 5.56 | 4.99 | 4.57 | 0.96 | 1.04 | 1.11 | + 12.59 | - 102.42 | + 0.29 | + 0.07 |
| 1254 | 2.14 | 2.15 | 2.16 | 0.47 | 0.47 | 0.47 | + 22.71 | - 22.70 | - 0.13 | - 0.80 |
| 367 | 13.08 | 13.01 | 13.01 | 0.84 | 0.88 | 0.88 | + 15.29 | - 94.91 | - 0.23 | - 0.12 |
| 1253 | 2.81 | 2.88 | 2.94 | 0.90 | 0.90 | 0.91 | - 2.88 | - 93.64 | - 0.25 | + 0.00 |
| 1255 | 54.26 | 54.25 | 54.26 | 0.72 | 0.74 | 0.74 | - 20.47 | - 49.62 | + 0.47 | + 1.82 |
| 370 | 16.42 | 16.33 | 16.31 | 0.74 | 0.79 | 0.80 | - 11.63 | - 111.32 | + 0.48 | - 0.63 |
| 371 | 24.64 | 24.51 | 24.52 | 0.80 | 0.86 | 0.87 | + 20.68 | - 94.03 | - 0.22 | - 0.05 |
| 373 | 4.60 | 4.62 | 4.62 | 0.76 | 0.76 | 0.76 | + 3.03 | - 110.73 | + 1.17 | + 0.40 |
| 1257 | 4.48 | 4.14 | 3.82 | 0.91 | 0.94 | 0.97 | - 8.42 | - 119.05 | + 0.81 | - 0.47 |
| 378 | 5.99 | 6.22 | 6.21 | 0.76 | 0.78 | 0.78 | - 0.59 | - 124.33 | + 1.27 | - 0.28 |
| 1260 | 12.92 | 12.80 | 12.76 | 0.79 | 0.80 | 0.80 | + 10.54 | - 109.08 | + 2.53 | + 0.29 |
| 1259 | 21.18 | 21.15 | 21.15 | 0.72 | 0.72 | 0.72 | - 16.05 | - 58.15 | - 0.11 | + 1.76 |
| 1261 | 11.71 | 11.77 | 11.77 | 0.78 | 0.79 | 0.79 | + 10.75 | - 122.02 | + 1.42 | - 0.05 |
| 385 | 8.81 | 8.81 | 8.81 | 0.48 | 0.48 | 0.48 | + 64.70 | - 52.27 | - 2.79 | + 0.13 |
| 382 | 31.62 | 31.71 | 31.72 | 0.55 | 0.55 | 0.55 | - 14.02 | - 78.93 | + 2.76 | - 2.18 |
| 384 | 12.51 | 12.55 | 12.56 | 0.78 | 0.78 | 0.78 | + 8.33 | - 98.83 | - 0.22 | - 0.10 |
| 1263 | 17.87 | 17.86 | 17.86 | 0.75 | 0.75 | 0.75 | - 0.10 | - 121.05 | + 1.13 | - 0.38 |
| 1262 | 13.06 | 13.07 | 13.07 | 0.59 | 0.59 | 0.59 | - 3.62 | - 33.00 | - 0.05 | + 0.65 |
| 1266 | 1.89 | 1.85 | 1.86 | 0.79 | 0.80 | 0.80 | - 11.19 | - 116.44 | + 0.53 | - 0.63 |
| 1268 | 16.25 | 16.26 | 16.26 | 0.56 | 0.56 | 0.56 | - 19.12 | - 81.30 | + 2.70 | - 2.12 |
| 1267 | 13.82 | 14.14 | 14.18 | 0.81 | 0.84 | 0.85 | + 2.00 | - 79.74 | + 0.53 | + 0.61 |
| 388 | 9.29 | 9.28 | 9.28 | 0.71 | 0.72 | 0.72 | - 4.66 | - 112.11 | + 0.88 | - 0.56 |
| 1269 | 24.59 | 24.69 | 24.70 | 0.68 | 0.70 | 0.70 | - 28.09 | - 97.30 | + 2.46 | - 1.88 |
| 391 | 61.70 | 61.67 | 61.67 | 0.49 | 0.49 | 0.49 | + 111.19 | - 64.01 | - 5.30 | + 1.11 |
| 389 | 13.16 | 13.14 | 13.14 | 0.79 | 0.79 | 0.79 | + 15.79 | - 116.88 | + 1.66 | + 0.41 |
| 392 | 9.08 | 8.92 | 8.90 | 0.68 | 0.68 | 0.68 | - 8.49 | - 109.07 | + 3.58 | - 0.82 |
| 393 | 3.18 | 3.15 | 3.13 | 0.53 | 0.53 | 0.53 | - 4.36 | - 35.75 | - 0.62 | - 0.81 |
| 1270 | 10.86 | 10.87 | 10.87 | 0.72 | 0.72 | 0.72 | - 4.43 | - 109.89 | + 0.82 | - 0.59 |
| 1271 | 5.60 | 5.87 | 5.93 | 0.96 | 0.97 | 0.97 | + 14.52 | - 90.77 | - 0.03 | + 0.11 |
| 394 | 77.78 | 77.82 | 77.82 | 0.65 | 0.65 | 0.65 | + 8.78 | - 63.63 | + 0.48 | + 1.56 |
| 1663 | 8.67 | 8.68 | 8.68 | 0.50 | 0.50 | 0.50 | + 112.23 | - 106.79 | - 2.01 | + 3.32 |
| 397 | 6.55 | 6.56 | 6.56 | 0.49 | 0.49 | 0.49 | + 16.58 | - 26.91 | - 1.22 | - 0.50 |
| 1272 | 3.15 | 3.05 | 3.01 | 0.93 | 0.94 | 0.94 | - 2.28 | - 104.65 | + 0.71 | + 0.18 |
| 395 | 12.45 | 12.69 | 12.68 | 0.54 | 0.55 | 0.55 | + 17.37 | - 79.32 | - 1.78 | + 0.29 |
| 398 | 37.57 | 37.79 | 37.80 | 0.60 | 0.61 | 0.61 | + 18.79 | - 62.73 | + 0.66 | + 1.42 |
| 401 | 7.73 | 7.86 | 7.89 | 0.48 | 0.49 | 0.49 | + 167.94 | - 64.32 | - 7.21 | + 2.40 |
| 1275 | 7.07 | 6.91 | 6.88 | 0.78 | 0.81 | 0.82 | + 6.98 | - 81.88 | + 0.43 | + 0.41 |
| 404 | 28.99 | 29.07 | 29.08 | 0.82 | 0.83 | 0.83 | - 6.35 | - 108.06 | + 0.81 | - 0.59 |
| 403 | 7.70 | 7.66 | 7.65 | 0.56 | 0.56 | 0.56 | + 27.41 | - 50.08 | + 0.74 | + 0.59 |
| 405 | 15.37 | 15.68 | 15.72 | 0.81 | 0.84 | 0.84 | - 0.16 | - 97.51 | - 0.14 | - 0.08 |
| 411 | 9.02 | 8.98 | 8.97 | 0.45 | 0.45 | 0.45 | + 170.59 | - 66.99 | - 7.32 | + 2.85 |
| 407 | 8.69 | 8.66 | 8.64 | 0.81 | 0.82 | 0.82 | + 9.91 | - 83.84 | + 0.28 | + 0.28 |
| 1278 | 9.38 | 9.32 | 9.28 | 0.87 | 0.88 | 0.88 | - 21.73 | - 122.12 | + 1.47 | - 0.33 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|------------|---------------------------------------|-------------------------------------|--|--|-----------|----------|----------|--------------|----------|----------------------|
| FK6 No. | $\varepsilon_{\alpha^*,sys}$ [mas] | $\varepsilon_{\delta,sys}$ [mas] | $\varepsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\varepsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 910 | 16.18 | 13.58 | 0.58 | 0.41 | 1 | 2.29 | 2.19 | 1.27 | 3.59 | |
| 1248 | 7.91 | 7.50 | 0.29 | 0.21 | 1 | 4.45 | 4.24 | 6.19 | 1.63 | 216 |
| 1249 | 7.38 | 6.21 | 0.26 | 0.18 | 1 | 2.06 | 1.54 | 1.51 | 3.00 | 217 |
| 1250 | 6.79 | 6.38 | 0.25 | 0.17 | 1 | 0.93 | 2.25 | 1.97 | 2.92 | 218 |
| 364 | 7.81 | 6.74 | 0.26 | 0.20 | 1 | 1.17 | 0.31 | 1.20 | 2.23 | 219 |
| 363 | 10.90 | 9.33 | 0.42 | 0.30 | 1 | 1.42 | 1.38 | 1.20 | 0.81 | 220 |
| 1251 | 8.15 | 7.33 | 0.29 | 0.21 | 1 | 3.01 | 1.10 | 2.88 | 2.06 | |
| 1252 | 8.03 | 6.83 | 0.27 | 0.21 | 1 | 3.08 | 2.26 | 3.09 | 1.42 | 221 |
| 1254 | 9.96 | 9.33 | 0.36 | 0.24 | 1 | 0.41 | 1.78 | 2.55 | 1.54 | 222 |
| 367 | 7.98 | 6.99 | 0.28 | 0.22 | 1 | 1.98 | 2.55 | 3.05 | 1.50 | 223 |
| 1253 | 7.84 | 7.02 | 0.27 | 0.22 | 1 | 0.88 | 1.72 | 0.65 | 1.92 | 224 |
| 1255 | 9.50 | 7.10 | 0.29 | 0.21 | 1 | 2.33 | 1.19 | 1.24 | 2.96 | |
| 370 | 7.14 | 6.38 | 0.26 | 0.18 | 1 | 1.52 | 0.37 | 1.73 | 2.17 | 225 |
| 371 | 8.13 | 6.88 | 0.29 | 0.21 | 1 | 1.61 | 1.83 | 1.79 | 0.41 | |
| 373 | 8.05 | 6.95 | 0.27 | 0.21 | 1 | 1.91 | 1.99 | 4.64 | 2.36 | 226 |
| 1257 | 6.96 | 6.71 | 0.27 | 0.18 | 1 | 2.62 | 1.99 | 2.83 | 1.51 | |
| 378 | 7.26 | 6.77 | 0.27 | 0.19 | 1 | 2.05 | 3.52 | 2.45 | 1.61 | |
| 1260 | 7.83 | 7.33 | 0.29 | 0.20 | 1 | 2.16 | 2.18 | 2.33 | 1.95 | 227 |
| 1259 | 10.03 | 8.52 | 0.35 | 0.25 | 1 | 0.44 | 3.73 | 2.00 | 3.00 | |
| 1261 | 7.89 | 6.89 | 0.27 | 0.20 | 1 | 2.45 | 0.69 | 1.24 | 2.64 | 228 |
| 385 | 12.08 | 8.91 | 0.42 | 0.31 | 1 | 1.00 | 0.65 | 0.73 | 1.14 | 229 |
| 382 | 9.75 | 7.96 | 0.32 | 0.22 | 1 | 3.55 | 2.72 | 3.15 | 2.57 | 230 |
| 384 | 8.44 | 7.13 | 0.29 | 0.22 | 1 | 1.47 | 1.13 | 0.21 | 4.02 | 231 |
| 1263 | 6.78 | 6.86 | 0.27 | 0.18 | 1 | 2.00 | 1.36 | 2.01 | 1.13 | 232 |
| 1262 | 11.59 | 9.54 | 0.40 | 0.26 | 1 | 3.69 | 1.18 | 2.88 | 4.25 | 233 |
| 1266 | 6.98 | 6.63 | 0.27 | 0.18 | 1 | 2.60 | 2.32 | 2.25 | 1.27 | 234 |
| 1268 | 9.62 | 8.02 | 0.32 | 0.22 | 1 | 3.35 | 1.02 | 1.15 | 3.36 | |
| 1267 | 8.53 | 7.47 | 0.29 | 0.22 | 1 | 1.64 | 1.43 | 1.05 | 1.45 | 235 |
| 388 | 6.97 | 6.53 | 0.27 | 0.18 | 1 | 1.22 | 0.96 | 0.98 | 1.56 | |
| 1269 | 8.72 | 7.44 | 0.30 | 0.22 | 1 | 2.10 | 0.37 | 2.20 | 2.17 | |
| 391 | 12.40 | 10.34 | 0.42 | 0.29 | 1 | 0.67 | 1.72 | 0.99 | 0.90 | 236 |
| 389 | 7.85 | 7.06 | 0.27 | 0.21 | 1 | 0.94 | 2.26 | 3.19 | 3.11 | |
| 392 | 8.44 | 7.72 | 0.30 | 0.20 | 1 | 3.34 | 2.43 | 1.70 | 1.46 | 237 |
| 393 | 10.76 | 8.29 | 0.37 | 0.24 | 1 | 1.51 | 2.15 | 1.28 | 2.64 | |
| 1270 | 6.77 | 6.50 | 0.27 | 0.18 | 1 | 0.57 | 0.78 | 1.35 | 0.57 | 238 |
| 1271 | 8.74 | 7.13 | 0.30 | 0.20 | 1 | 0.70 | 2.58 | 0.20 | 1.37 | 239 |
| 394 | 10.20 | 8.62 | 0.37 | 0.26 | 1 | 2.18 | 1.14 | 0.43 | 1.30 | 240 |
| 1663 | 15.35 | 13.26 | 0.68 | 0.54 | 1 | 0.68 | 0.66 | 1.41 | 0.89 | |
| 397 | 10.46 | 8.85 | 0.36 | 0.24 | 1 | 1.84 | 1.26 | 2.38 | 2.18 | |
| 1272 | 7.87 | 6.93 | 0.27 | 0.22 | 1 | 1.61 | 0.83 | 0.92 | 1.57 | 241 |
| 395 | 13.22 | 11.21 | 0.50 | 0.31 | | 25.01 | 32.90 | 32.33 | 3.26 | |
| 398 | 10.62 | 8.52 | 0.38 | 0.26 | 1 | 1.59 | 2.52 | 1.54 | 1.47 | 242 |
| 401 | 13.72 | 12.19 | 0.48 | 0.34 | 1 | 2.61 | 1.04 | 0.43 | 1.56 | |
| 1275 | 8.20 | 7.59 | 0.29 | 0.21 | 1 | 0.31 | 1.06 | 0.80 | 0.75 | 243 |
| 404 | 6.65 | 6.41 | 0.27 | 0.17 | 1 | 1.47 | 0.44 | 1.22 | 1.48 | 244 |
| 403 | 11.81 | 8.72 | 0.43 | 0.31 | 1 | 1.36 | 0.36 | 1.99 | 1.05 | |
| 405 | 8.46 | 6.83 | 0.29 | 0.21 | 1 | 0.96 | 2.45 | 1.27 | 3.22 | 245 |
| 411 | 14.80 | 12.09 | 0.51 | 0.38 | 1 | 4.35 | 1.71 | 1.31 | 5.13 | |
| 407 | 8.41 | 7.40 | 0.29 | 0.20 | 1 | 3.63 | 3.45 | 4.01 | 0.78 | 246 |
| 1278 | 7.12 | 6.42 | 0.28 | 0.19 | 1 | 1.91 | 1.09 | 1.52 | 2.79 | 247 |

| 1 | 2 | 3 | 4 | | | 5 | | | 6 | 7 | | |
|------------|------------|------------------------------|--------------------|----|------------|--------------------|----|--------------|----------------------------|--------------------------|---|---------|
| FK6 No. | HIP No. | Name | α (SI) 2000 | | | δ (SI) 2000 | | | μ_{α^*} (SI) 2000 | μ_{δ} (SI) 2000 | | |
| | | | h | m | s | ° | ' | " | [mas/yr] | [mas/yr] | | |
| 1279 | 52686 | 51 Leo | 10 | 46 | 24.546 822 | + | 18 | 53 29.488 41 | + | 96.82 | - | 39.98 |
| 1280 | 52721 | 250 G. Hya | 10 | 46 | 42.722 887 | - | 26 | 2 53.342 16 | - | 173.52 | + | 50.31 |
| 409 | 52911 | 53 Leo | 10 | 49 | 15.430 122 | + | 10 | 32 42.717 82 | - | 4.20 | - | 25.56 |
| 410 | 52943 | ν Hya | 10 | 49 | 37.488 419 | - | 16 | 11 37.126 41 | + | 92.73 | + | 199.94 |
| 412 | 53229 | 46 LMi | 10 | 53 | 18.701 745 | + | 34 | 12 53.585 32 | + | 87.68 | - | 280.31 |
| 414 | 53502 | ι Ant | 10 | 56 | 43.050 796 | - | 37 | 8 15.955 87 | + | 74.46 | - | 124.51 |
| 1664 | 53702 | η Oct | 10 | 59 | 13.762 514 | - | 84 | 35 38.017 66 | - | 64.97 | - | 8.36 |
| 1282 | 53721 | 47 UMa | 10 | 59 | 27.972 966 | + | 40 | 25 48.925 54 | - | 316.86 | + | 55.25 |
| 1283 | 53740 | α Crt | 10 | 59 | 46.465 011 | - | 18 | 17 55.622 79 | - | 461.85 | + | 128.82 |
| 413 | 53761 | Br 1508 Dra | 10 | 59 | 56.828 464 | + | 77 | 46 12.623 53 | - | 69.10 | - | 21.25 |
| 415 | 53773 | 239 G. Vel | 11 | 0 | 9.264 055 | - | 42 | 13 33.085 99 | + | 23.13 | + | 5.11 |
| 416 | 53910 | β UMa | 11 | 1 | 50.476 684 | + | 56 | 22 56.735 39 | + | 81.55 | + | 33.62 |
| 1286 | 54214 | 11 G. Crt | 11 | 5 | 33.990 196 | - | 11 | 5 20.071 76 | + | 17.80 | - | 74.81 |
| 1289 | 54463 | 260 G. Car | 11 | 8 | 35.389 720 | - | 58 | 58 30.136 00 | - | 5.23 | + | 1.72 |
| 420 | 54539 | ψ UMa | 11 | 9 | 39.807 840 | + | 44 | 29 54.535 51 | - | 63.02 | - | 29.34 |
| 1290 | 54725 | 275 G. Hya | 11 | 12 | 14.791 036 | - | 32 | 26 1.659 78 | + | 12.76 | + | 12.72 |
| 422 | 54872 | δ Leo | 11 | 14 | 6.501 058 | + | 20 | 31 25.385 04 | + | 142.85 | - | 129.92 |
| 423 | 54879 | ϑ Leo | 11 | 14 | 14.404 386 | + | 15 | 25 46.458 30 | - | 60.32 | - | 78.75 |
| 1641 | 54901 | +86° 161 Cam | 11 | 14 | 30.376 194 | + | 85 | 38 24.474 24 | - | 33.50 | + | 8.26 |
| 1292 | 55084 | φ Leo | 11 | 16 | 39.700 157 | - | 3 | 39 5.765 42 | - | 109.36 | - | 35.95 |
| 424 | 55086 | Grb 1757 UMa | 11 | 16 | 41.850 179 | + | 49 | 28 34.494 91 | - | 84.55 | - | 11.70 |
| 426 | 55282 | δ Crt | 11 | 19 | 20.447 991 | - | 14 | 46 42.746 80 | - | 123.78 | + | 206.86 |
| 427 | 55434 | σ Leo | 11 | 21 | 8.193 613 | + | 6 | 1 45.557 62 | - | 92.99 | - | 12.89 |
| 429 | 55564 | Grb 1771 UMa | 11 | 22 | 51.243 637 | + | 64 | 19 49.844 91 | - | 5.15 | + | 35.20 |
| 1294 | 55667 | 28 G. Cen | 11 | 24 | 22.054 051 | - | 42 | 40 8.760 82 | - | 8.50 | + | 0.06 |
| 1295 | 55781 | π 11 ^h 63 Leo | 11 | 25 | 45.734 679 | + | 26 | 44 50.007 95 | - | 36.77 | + | 1.03 |
| 1297 | 55945 | τ Leo | 11 | 27 | 56.239 491 | + | 2 | 51 22.557 31 | + | 16.42 | - | 10.20 |
| 1298 | 56076 | 282 G. Hya | 11 | 29 | 37.531 142 | - | 28 | 1 50.111 31 | - | 17.33 | - | 1.17 |
| 432 | 56148 | 58 UMa | 11 | 30 | 31.131 145 | + | 43 | 10 23.673 89 | - | 49.48 | + | 82.06 |
| 433 | 56211 | λ Dra | 11 | 31 | 24.221 026 | + | 69 | 19 51.879 01 | - | 40.79 | - | 18.12 |
| 434 | 56343 | ξ Hya | 11 | 33 | 0.114 978 | - | 31 | 51 27.442 59 | - | 209.77 | - | 40.67 |
| 435 | 56573 | ζ^2 Cen | 11 | 35 | 55.585 226 | - | 47 | 38 29.905 14 | + | 34.00 | - | 49.42 |
| 1299 | 56633 | ϑ Crt | 11 | 36 | 40.912 360 | - | 9 | 48 8.057 13 | - | 61.09 | + | 6.50 |
| 437 | 56647 | ν Leo | 11 | 36 | 56.931 365 | - | 0 | 49 25.494 77 | + | 2.54 | + | 43.48 |
| 439 | 56922 | θ Hya | 11 | 40 | 12.789 065 | - | 34 | 44 40.770 02 | - | 44.15 | - | 1.24 |
| 1300 | 56997 | 61 UMa | 11 | 41 | 3.016 182 | + | 34 | 12 5.886 24 | - | 12.70 | - | 380.61 |
| 440 | 57111 | 3 Dra | 11 | 42 | 28.362 113 | + | 66 | 44 41.651 83 | - | 44.55 | + | 39.03 |
| 1302 | 57380 | ν Vir | 11 | 45 | 51.559 386 | + | 6 | 31 45.733 72 | - | 19.11 | - | 182.38 |
| 441 | 57399 | χ UMa | 11 | 46 | 3.014 326 | + | 47 | 46 45.857 47 | - | 138.02 | + | 27.91 |
| 1303 | 57498 | Grb 1826 UMa | 11 | 47 | 7.798 498 | + | 61 | 24 6.696 66 | - | 37.14 | - | 40.91 |
| 1305 | 57613 | 298 G. Hya | 11 | 48 | 45.082 577 | - | 26 | 44 59.197 90 | - | 34.95 | - | 9.67 |
| 445 | 57757 | β Vir | 11 | 50 | 41.719 090 | + | 1 | 45 52.989 61 | + | 741.87 | - | 270.61 |
| 446 | 57803 | B Cen | 11 | 51 | 8.691 779 | - | 45 | 10 24.487 49 | - | 72.33 | - | 7.93 |
| 1307 | 57939 | Grb 1830 UMa | 11 | 52 | 58.768 785 | + | 37 | 43 7.235 27 | + | 4003.27 | - | 5815.07 |
| 447 | 58001 | γ UMa | 11 | 53 | 49.838 788 | + | 53 | 41 41.119 09 | + | 98.94 | + | 9.08 |
| 1309 | 58188 | η Crt | 11 | 56 | 0.953 307 | - | 17 | 9 2.979 28 | - | 49.50 | - | 7.79 |
| 449 | 58803 | 88 G. Cen | 12 | 3 | 39.571 687 | - | 42 | 26 2.607 38 | + | 325.06 | - | 111.26 |
| 1642 | 58874 | Grb 1850 Cam | 12 | 4 | 28.114 018 | + | 85 | 35 13.676 30 | - | 54.90 | + | 91.03 |
| 450 | 58948 | θ Vir | 12 | 5 | 12.539 906 | + | 8 | 43 58.670 22 | - | 219.62 | + | 48.29 |
| 451 | 58952 | Grb 1852 Cam | 12 | 5 | 15.117 253 | + | 76 | 54 20.647 56 | + | 147.01 | - | 91.63 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|---------------------------------------|--|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | $\varepsilon_{\alpha*}$ (SI) [mas] | $\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 1279 | 91.22 | 0.69 | 0.39 | 91.41 | 0.47 | 0.35 | 18.27 | 0.79 | H | − 5.9 | 5.50 | | 21 | 2 | |
| 1280 | 90.92 | 0.50 | 0.44 | 91.33 | 0.48 | 0.43 | 9.80 | 0.77 | H | + 33.4 | 6.70 | | 21 | 2 | |
| 409 | 91.30 | 0.83 | 0.25 | 91.57 | 0.49 | 0.23 | 9.76 | 0.96 | H | − 6.8 | 5.32 | | 39 | | |
| 410 | 91.11 | 0.64 | 0.28 | 91.65 | 0.47 | 0.30 | 23.54 | 0.81 | H | − 1.2 | 3.11 | | 21 | 2 | |
| 412 | 90.92 | 0.51 | 0.27 | 91.29 | 0.46 | 0.25 | 33.40 | 0.78 | H | + 16.1 | 3.79 | | 29 | 2 | |
| 414 | 91.28 | 0.49 | 0.40 | 91.31 | 0.34 | 0.32 | 16.40 | 0.65 | H | − 0.2 | 4.60 | | 11 | 1 | 3 |
| 1664 | 91.41 | 0.50 | 0.41 | 91.30 | 0.40 | 0.31 | 9.17 | 0.51 | H | − 2.6 | 6.19 | | 35 | | |
| 1282 | 91.07 | 0.51 | 0.31 | 91.18 | 0.44 | 0.32 | 71.04 | 0.66 | H | + 11.3 | 5.03 | | 19 | 1 | 1 |
| 1283 | 91.54 | 0.80 | 0.34 | 91.38 | 0.53 | 0.32 | 18.71 | 1.03 | H | + 46.8 | 4.08 | | 11 | 1 | 3 |
| 413 | 91.17 | 0.48 | 0.32 | 91.35 | 0.44 | 0.29 | 5.89 | 0.57 | H | − 49.8 | 6.18 | | 39 | | |
| 415 | 91.05 | 0.31 | 0.31 | 91.48 | 0.45 | 0.39 | 15.99 | 0.75 | H | − 5.1 | 4.37 | | 31 | | |
| 416 | 91.36 | 0.34 | 0.24 | 91.40 | 0.37 | 0.22 | 41.07 | 0.60 | H | − 12.0 | 2.34 | | 39 | | |
| 1286 | 91.26 | 0.70 | 0.47 | 91.40 | 0.55 | 0.46 | 15.57 | 0.92 | H | − 19.8 | 6.09 | | 21 | 2 | |
| 1289 | 91.21 | 0.45 | 0.43 | 91.44 | 0.44 | 0.40 | .63 | 0.15 | P | + 7.2 | 3.93 | 2 | 19 | | 1 |
| 420 | 91.15 | 0.52 | 0.27 | 91.30 | 0.48 | 0.24 | 22.21 | 0.68 | H | − 3.8 | 3.00 | | 21 | 2 | |
| 1290 | 91.23 | 0.62 | 0.60 | 91.32 | 0.60 | 0.49 | 4.82 | 0.87 | H | + 26.4 | 6.35 | 2 | 33 | | |
| 422 | 91.15 | 0.73 | 0.23 | 91.29 | 0.50 | 0.22 | 56.52 | 0.83 | H | − 20.2 | 2.56 | | 19 | | 1 |
| 423 | 91.30 | 0.70 | 0.28 | 91.03 | 0.51 | 0.26 | 18.36 | 0.77 | H | + 7.6 | 3.33 | | 19 | | 1 |
| 1641 | 91.22 | 0.43 | 0.41 | 91.15 | 0.50 | 0.38 | 5.10 | 0.58 | H | − 5.0 | 7.31 | | 31 | | |
| 1292 | 91.00 | 0.77 | 0.32 | 91.16 | 0.57 | 0.31 | 16.69 | 0.89 | H | − 3.0 | 4.45 | 1 | 19 | | 1 |
| 424 | 91.33 | 0.44 | 0.28 | 91.00 | 0.49 | 0.30 | 7.74 | 0.73 | H | + 0.0 | 5.88 | | 39 | | |
| 426 | 90.75 | 0.70 | 0.24 | 91.00 | 0.55 | 0.23 | 16.75 | 0.82 | H | − 5.2 | 3.56 | | 19 | | 1 |
| 427 | 91.14 | 0.66 | 0.24 | 91.39 | 0.52 | 0.23 | 15.24 | 0.81 | H | − 5.3 | 4.05 | | 39 | | |
| 429 | 91.20 | 0.42 | 0.29 | 91.17 | 0.41 | 0.27 | 11.58 | 0.56 | H | + 0.5 | 6.02 | | 31 | | |
| 1294 | 91.24 | 0.35 | 0.35 | 91.46 | 0.44 | 0.42 | 2.33 | 0.27 | P | + 9.0 | 6.13 | | 11 | 1 | 3 |
| 1295 | 91.11 | 0.79 | 0.45 | 91.23 | 0.58 | 0.39 | 10.17 | 0.92 | H | + 8.0 | 7.30 | | 38 | | |
| 1297 | 91.05 | 0.68 | 0.24 | 91.15 | 0.49 | 0.24 | 5.25 | 0.84 | H | − 9.1 | 4.95 | | 25 | 2 | |
| 1298 | 91.29 | 0.64 | 0.47 | 91.37 | 0.47 | 0.38 | 3.83 | 0.81 | H | + 53.6 | 6.67 | | 11 | 1 | 3 |
| 432 | 91.02 | 0.49 | 0.30 | 91.17 | 0.53 | 0.32 | 17.82 | 0.72 | H | − 29.6 | 5.94 | | 11 | 1 | 3 |
| 433 | 91.55 | 0.41 | 0.26 | 91.47 | 0.43 | 0.22 | 9.76 | 0.54 | H | + 7.2 | 3.82 | 1 | 11 | 1 | 3 |
| 434 | 91.40 | 0.62 | 0.41 | 91.44 | 0.45 | 0.34 | 25.23 | 0.83 | H | − 4.6 | 3.54 | 1 | 39 | | |
| 435 | 91.43 | 0.37 | 0.35 | 91.33 | 0.48 | 0.43 | 17.24 | 0.70 | H | + 5.2 | 5.26 | | 31 | | |
| 1299 | 91.39 | 0.64 | 0.31 | 91.39 | 0.51 | 0.30 | 10.70 | 0.79 | H | + 1.0 | 4.70 | | 29 | 2 | |
| 437 | 90.79 | 0.83 | 0.22 | 90.97 | 0.55 | 0.21 | 18.31 | 0.89 | H | + 1.0 | 4.30 | | 31 | | |
| 439 | 91.13 | 0.55 | 0.42 | 91.40 | 0.46 | 0.34 | 6.59 | 0.71 | H | + 5.9 | 4.70 | | 31 | | |
| 1300 | 91.44 | 0.60 | 0.35 | 91.09 | 0.51 | 0.32 | 104.81 | 0.72 | H | − 5.7 | 5.31 | 1 | 39 | | |
| 440 | 91.23 | 0.44 | 0.29 | 91.00 | 0.45 | 0.27 | 5.07 | 0.58 | H | + 3.4 | 5.32 | | 29 | 2 | |
| 1302 | 91.08 | 0.69 | 0.33 | 90.96 | 0.47 | 0.29 | 10.42 | 0.75 | H | + 50.7 | 4.04 | 2 | 23 | 2 | |
| 441 | 90.91 | 0.46 | 0.26 | 91.26 | 0.39 | 0.23 | 16.64 | 0.60 | H | − 8.8 | 3.69 | | 19 | | 1 |
| 1303 | 91.36 | 0.43 | 0.35 | 91.24 | 0.47 | 0.39 | 8.80 | 0.64 | H | − 3.3 | 6.59 | 1 | 11 | 1 | 3 |
| 1305 | 91.16 | 0.52 | 0.41 | 91.28 | 0.42 | 0.34 | 6.84 | 0.65 | H | + 6.8 | 5.10 | 2 | 13 | | |
| 445 | 91.11 | 0.72 | 0.21 | 90.93 | 0.54 | 0.20 | 91.74 | 0.77 | H | + 4.4 | 3.59 | | 35 | | |
| 446 | 91.09 | 0.41 | 0.41 | 91.09 | 0.46 | 0.44 | 7.03 | 0.72 | H | + 2.2 | 4.47 | | 31 | | |
| 1307 | 91.48 | 0.57 | 0.32 | 91.51 | 0.42 | 0.26 | 109.21 | 0.78 | H | − 98.8 | 6.42 | 2 | 23 | 2 | |
| 447 | 91.23 | 0.38 | 0.23 | 91.06 | 0.42 | 0.21 | 38.99 | 0.68 | H | − 12.6 | 2.41 | 1 | 29 | 2 | |
| 1309 | 91.40 | 0.64 | 0.36 | 91.38 | 0.47 | 0.33 | 11.42 | 0.83 | H | + 15.0 | 5.17 | | 39 | | |
| 449 | 91.17 | 0.42 | 0.37 | 90.88 | 0.44 | 0.36 | 41.32 | 0.76 | H | + 36.4 | 5.15 | | 21 | 2 | |
| 1642 | 91.22 | 0.39 | 0.39 | 91.25 | 0.43 | 0.30 | 13.11 | 0.50 | H | + 7.5 | 6.27 | | 39 | | |
| 450 | 91.18 | 0.66 | 0.23 | 91.56 | 0.45 | 0.21 | 19.08 | 0.77 | H | − 31.3 | 4.12 | | 29 | 2 | |
| 451 | 91.15 | 0.43 | 0.30 | 91.12 | 0.43 | 0.28 | 9.80 | 0.52 | H | − 19.8 | 5.78 | | 39 | | |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------------|--|---------|---------|----------|--------------------------------------|---------|---------|----------|
| FK6 No. | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 1279 | + 1.92 | - 21.20 | - 24.08 | - 5.73 | + 16.79 | - 5.30 | - 5.64 | + 93.22 |
| 1280 | + 11.24 | - 3.42 | - 4.17 | + 135.98 | + 13.09 | - 6.87 | - 8.27 | + 166.98 |
| 409 | - 10.25 | - 1.50 | - 1.41 | - 47.68 | + 8.05 | + 8.85 | + 9.77 | + 65.78 |
| 410 | - 6.31 | + 0.07 | + 0.15 | - 32.30 | - 2.61 | - 7.15 | - 7.65 | - 40.59 |
| 412 | - 19.49 | + 38.44 | + 41.59 | - 53.06 | + 6.74 | - 46.17 | - 49.26 | + 0.63 |
| 414 | + 1.51 | + 3.90 | + 4.33 | + 26.69 | - 7.88 | + 0.06 | + 0.06 | - 113.80 |
| 1664 | + 5.33 | + 6.00 | + 7.20 | + 129.13 | - 0.92 | + 2.62 | + 2.97 | + 24.58 |
| 1282 | - 10.33 | + 7.90 | + 8.35 | - 27.69 | + 9.48 | - 0.70 | - 0.88 | + 60.07 |
| 1283 | - 4.50 | - 3.82 | - 4.40 | - 33.82 | + 4.04 | + 2.14 | + 2.48 | + 49.34 |
| 413 | - 3.06 | - 8.58 | - 10.34 | - 91.09 | - 6.17 | + 3.26 | + 3.85 | - 106.25 |
| 415 | + 11.49 | - 0.96 | - 1.14 | + 54.23 | + 3.61 | - 4.65 | - 5.16 | - 91.06 |
| 416 | - 7.08 | + 0.96 | + 0.95 | - 22.04 | - 21.95 | + 0.96 | + 1.04 | - 99.38 |
| 1286 | - 37.18 | + 58.75 | + 69.75 | - 174.68 | - 20.65 | + 25.26 | + 29.46 | - 139.19 |
| 1289 | + 0.12 | + 0.34 | + 1.71 | + 23.05 | - 1.68 | + 0.77 | + 3.16 | - 47.62 |
| 420 | - 44.36 | + 5.76 | + 6.30 | - 146.04 | + 4.07 | + 16.17 | + 17.05 | + 33.76 |
| 1290 | + 5.95 | - 5.80 | - 10.36 | + 76.02 | - 2.21 | + 2.82 | + 5.02 | - 32.41 |
| 422 | - 22.72 | + 3.48 | + 4.19 | - 62.24 | + 1.40 | - 4.22 | - 4.49 | + 4.96 |
| 423 | - 10.73 | + 10.14 | + 11.44 | - 48.03 | - 1.90 | - 5.17 | - 5.63 | - 16.48 |
| 1641 | - 4.25 | - 1.41 | - 1.76 | - 140.72 | - 2.12 | + 2.49 | + 3.28 | - 60.93 |
| 1292 | + 5.00 | + 8.70 | + 10.74 | + 21.95 | + 0.00 | + 1.42 | + 1.69 | + 0.37 |
| 424 | + 4.31 | - 4.86 | - 5.47 | + 19.86 | + 2.46 | + 5.31 | + 6.12 | + 41.95 |
| 426 | - 7.51 | - 5.86 | - 6.32 | - 34.00 | + 1.45 | - 2.16 | - 2.25 | + 8.48 |
| 427 | - 2.12 | + 9.55 | + 10.77 | - 7.75 | + 17.93 | + 0.78 | + 0.52 | + 110.90 |
| 429 | - 5.00 | + 5.43 | + 5.86 | - 18.92 | - 14.44 | + 1.14 | + 1.31 | - 125.88 |
| 1294 | + 2.64 | + 0.07 | + 0.22 | + 47.08 | + 7.77 | - 3.41 | - 6.41 | + 52.23 |
| 1295 | + 0.29 | + 9.43 | + 12.32 | + 10.63 | + 4.90 | + 8.06 | + 8.98 | + 89.27 |
| 1297 | + 12.88 | + 6.16 | + 7.83 | + 100.13 | - 5.18 | - 1.58 | - 1.84 | - 78.58 |
| 1298 | + 2.07 | - 0.12 | - 0.19 | + 48.19 | + 6.99 | - 2.92 | - 4.30 | + 8.57 |
| 432 | - 11.51 | + 2.25 | + 2.53 | - 50.72 | - 2.30 | - 2.03 | - 2.21 | - 26.87 |
| 433 | + 4.97 | - 2.61 | - 2.85 | + 28.66 | + 2.72 | - 5.21 | - 5.63 | + 11.76 |
| 434 | + 4.46 | + 5.34 | + 5.95 | + 34.88 | + 12.46 | - 7.47 | - 7.99 | + 67.25 |
| 435 | - 1.09 | - 0.38 | - 0.48 | - 7.06 | + 10.49 | - 7.61 | - 8.65 | + 20.35 |
| 1299 | - 5.48 | + 12.99 | + 15.14 | - 28.25 | + 12.09 | - 28.54 | - 31.44 | + 9.18 |
| 437 | + 17.56 | - 8.62 | - 11.23 | + 66.15 | - 6.39 | - 0.11 | - 0.48 | - 34.93 |
| 439 | - 1.29 | + 0.85 | + 1.04 | - 13.26 | + 9.21 | - 4.39 | - 5.16 | + 114.16 |
| 1300 | + 4.26 | - 9.99 | - 10.66 | + 8.19 | - 13.29 | + 1.41 | + 1.51 | - 58.44 |
| 440 | - 0.25 | - 3.11 | - 3.82 | - 9.54 | - 7.25 | + 8.55 | + 10.26 | - 98.59 |
| 1302 | + 5.56 | - 4.17 | - 5.39 | + 38.59 | - 9.46 | + 18.67 | + 21.30 | - 65.59 |
| 441 | + 1.70 | - 3.05 | - 3.24 | + 4.87 | - 3.32 | + 3.83 | + 4.00 | - 13.84 |
| 1303 | + 3.63 | - 2.14 | - 2.40 | + 11.79 | + 3.08 | - 2.35 | - 2.79 | + 17.96 |
| 1305 | + 0.94 | + 0.52 | + 0.61 | + 19.43 | - 1.50 | - 0.08 | - 0.08 | - 43.76 |
| 445 | + 24.99 | - 7.11 | - 7.99 | + 62.62 | - 2.50 | - 4.79 | - 5.05 | - 10.00 |
| 446 | + 0.52 | - 0.55 | - 0.82 | + 16.67 | + 5.80 | - 4.71 | - 6.13 | - 101.49 |
| 1307 | - 16.30 | + 3.32 | + 3.66 | - 43.42 | + 22.42 | + 3.46 | + 3.54 | + 129.68 |
| 447 | - 33.27 | + 73.82 | + 76.96 | - 49.79 | + 0.97 | + 15.13 | + 17.21 | - 29.04 |
| 1309 | - 16.22 | + 2.98 | + 3.75 | - 119.35 | + 4.06 | - 3.28 | - 3.80 | + 22.38 |
| 449 | + 36.93 | - 11.79 | - 12.67 | + 154.81 | - 11.10 | + 3.50 | + 3.77 | - 53.76 |
| 1642 | + 3.16 | - 2.01 | - 2.27 | + 15.56 | - 0.17 | - 0.50 | - 0.50 | - 11.53 |
| 450 | - 21.10 | - 3.42 | - 4.95 | - 68.57 | - 12.02 | + 73.91 | + 77.35 | + 11.80 |
| 451 | - 1.80 | + 1.69 | + 1.87 | - 16.91 | + 2.19 | - 5.93 | - 6.46 | - 19.30 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------------|---|--------|--------|--------|---------|---|--------|--------|--------|---------|
| FK6 No. | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 1279 | + 0.70 | - 2.43 | - 2.76 | + 0.65 | + 1.03 | + 0.83 | - 0.62 | - 0.66 | + 2.01 | - 0.01 |
| 1280 | + 0.48 | - 0.36 | - 0.44 | + 2.67 | - 0.73 | + 0.96 | - 0.79 | - 0.95 | + 3.38 | + 0.03 |
| 409 | - 0.13 | - 0.18 | - 0.17 | - 0.67 | + 0.37 | - 0.05 | + 1.06 | + 1.17 | + 0.62 | - 0.53 |
| 410 | - 0.07 | + 0.03 | + 0.04 | - 0.41 | + 0.21 | + 0.21 | - 0.86 | - 0.92 | - 0.22 | + 0.47 |
| 412 | - 0.82 | + 4.43 | + 4.79 | - 1.37 | - 0.27 | + 1.22 | - 5.39 | - 5.75 | + 1.21 | + 1.41 |
| 414 | - 0.25 | + 0.45 | + 0.50 | + 0.12 | - 0.64 | - 0.15 | + 0.01 | + 0.01 | - 1.47 | + 0.54 |
| 1664 | - 0.20 | + 0.70 | + 0.84 | + 1.51 | - 1.25 | - 0.21 | + 0.30 | + 0.34 | + 0.07 | - 0.33 |
| 1282 | - 0.48 | + 0.89 | + 0.94 | - 0.79 | - 0.16 | + 0.08 | - 0.08 | - 0.10 | + 0.74 | - 0.41 |
| 1283 | + 0.00 | - 0.46 | - 0.53 | - 0.37 | + 0.31 | + 0.01 | + 0.25 | + 0.29 | + 0.55 | - 0.23 |
| 413 | + 0.25 | - 0.98 | - 1.18 | - 0.93 | + 0.89 | - 0.28 | + 0.38 | + 0.45 | - 1.52 | + 0.24 |
| 415 | + 1.04 | - 0.11 | - 0.13 | + 1.95 | + 0.62 | + 1.06 | - 0.55 | - 0.61 | - 0.09 | + 2.08 |
| 416 | - 0.17 | + 0.11 | + 0.11 | - 0.39 | + 0.09 | - 0.30 | + 0.11 | + 0.12 | - 1.17 | + 0.47 |
| 1286 | - 3.53 | + 6.74 | + 8.00 | - 6.67 | - 2.85 | - 1.90 | + 2.95 | + 3.44 | - 4.22 | - 1.48 |
| 1289 | + 0.00 | + 0.04 | + 0.20 | + 0.38 | - 0.35 | - 0.20 | + 0.09 | + 0.37 | - 1.45 | - 0.50 |
| 420 | - 0.83 | + 0.61 | + 0.67 | - 2.27 | + 1.07 | - 0.35 | + 1.86 | + 1.96 | - 0.03 | - 0.65 |
| 1290 | + 0.61 | - 0.66 | - 1.18 | + 2.47 | + 0.33 | - 0.24 | + 0.32 | + 0.57 | - 0.89 | - 0.17 |
| 422 | - 0.31 | + 0.38 | + 0.46 | - 0.84 | + 0.38 | + 0.07 | - 0.48 | - 0.51 | + 0.11 | + 0.04 |
| 423 | - 0.30 | + 1.16 | + 1.31 | - 0.85 | + 0.11 | + 0.09 | - 0.57 | - 0.62 | - 0.08 | + 0.21 |
| 1641 | + 0.01 | - 0.16 | - 0.20 | - 2.18 | + 1.09 | - 0.13 | + 0.28 | + 0.37 | - 0.99 | + 0.07 |
| 1292 | + 0.00 | + 0.98 | + 1.21 | + 0.25 | - 0.29 | - 0.02 | + 0.16 | + 0.19 | - 0.02 | - 0.03 |
| 424 | + 0.29 | - 0.56 | - 0.63 | + 0.57 | + 0.14 | - 0.14 | + 0.59 | + 0.68 | + 0.36 | - 0.50 |
| 426 | - 0.02 | - 0.64 | - 0.69 | - 0.35 | + 0.29 | + 0.07 | - 0.24 | - 0.25 | + 0.15 | + 0.03 |
| 427 | - 0.14 | + 1.09 | + 1.23 | - 0.24 | - 0.10 | + 0.18 | + 0.09 | + 0.06 | + 1.28 | - 0.55 |
| 429 | - 0.40 | + 0.62 | + 0.67 | - 0.64 | - 0.28 | - 0.29 | + 0.13 | + 0.15 | - 1.73 | + 0.63 |
| 1294 | + 0.26 | + 0.01 | + 0.03 | + 1.23 | - 0.05 | + 0.94 | - 0.40 | - 0.75 | + 2.33 | + 1.45 |
| 1295 | - 0.25 | + 1.09 | + 1.42 | - 0.11 | - 0.53 | - 0.34 | + 0.94 | + 1.05 | + 1.11 | - 1.19 |
| 1297 | + 0.13 | + 0.71 | + 0.90 | + 1.38 | - 0.72 | - 0.05 | - 0.18 | - 0.21 | - 0.94 | + 0.34 |
| 1298 | + 0.09 | - 0.02 | - 0.03 | + 0.98 | - 0.35 | + 0.89 | - 0.34 | - 0.50 | + 1.27 | + 1.34 |
| 432 | - 0.28 | + 0.25 | + 0.28 | - 0.89 | + 0.32 | + 0.07 | - 0.23 | - 0.25 | - 0.25 | + 0.28 |
| 433 | + 0.18 | - 0.32 | - 0.35 | + 0.52 | - 0.06 | + 0.23 | - 0.62 | - 0.67 | + 0.35 | + 0.20 |
| 434 | - 0.08 | + 0.61 | + 0.68 | + 0.32 | - 0.50 | + 1.03 | - 0.87 | - 0.93 | + 1.76 | + 0.71 |
| 435 | - 0.07 | - 0.04 | - 0.05 | - 0.18 | - 0.01 | + 1.29 | - 0.88 | - 1.00 | + 1.58 | + 1.43 |
| 1299 | - 0.34 | + 1.52 | + 1.77 | - 0.73 | - 0.16 | + 1.64 | - 3.34 | - 3.68 | + 1.75 | + 1.87 |
| 437 | + 0.27 | - 0.95 | - 1.24 | + 0.92 | - 0.29 | - 0.09 | - 0.01 | - 0.05 | - 0.41 | + 0.11 |
| 439 | - 0.10 | + 0.09 | + 0.11 | - 0.31 | + 0.00 | + 0.79 | - 0.51 | - 0.60 | + 2.30 | + 0.28 |
| 1300 | + 0.40 | - 1.17 | - 1.25 | + 0.50 | + 0.36 | - 0.25 | + 0.14 | + 0.15 | - 0.92 | + 0.37 |
| 440 | + 0.10 | - 0.35 | - 0.43 | - 0.02 | + 0.23 | - 0.40 | + 0.95 | + 1.14 | - 1.62 | + 0.06 |
| 1302 | + 0.11 | - 0.41 | - 0.54 | + 0.61 | - 0.31 | - 0.56 | + 2.07 | + 2.36 | - 1.32 | - 0.19 |
| 441 | + 0.13 | - 0.34 | - 0.36 | + 0.18 | + 0.10 | - 0.23 | + 0.44 | + 0.46 | - 0.36 | - 0.17 |
| 1303 | + 0.38 | - 0.25 | - 0.28 | + 0.57 | + 0.34 | + 0.28 | - 0.27 | - 0.32 | + 0.55 | + 0.19 |
| 1305 | - 0.02 | + 0.06 | + 0.07 | + 0.27 | - 0.24 | - 0.02 | - 0.01 | - 0.01 | - 0.60 | + 0.32 |
| 445 | + 0.38 | - 0.82 | - 0.92 | + 0.88 | - 0.31 | + 0.03 | - 0.54 | - 0.57 | - 0.05 | + 0.10 |
| 446 | + 0.00 | - 0.06 | - 0.09 | + 0.31 | - 0.16 | + 1.05 | - 0.53 | - 0.69 | - 0.32 | + 2.25 |
| 1307 | - 0.34 | + 0.39 | + 0.43 | - 0.57 | + 0.33 | + 0.07 | + 0.41 | + 0.42 | + 1.22 | - 0.89 |
| 447 | - 3.81 | + 8.46 | + 8.82 | - 4.13 | - 3.81 | + 1.03 | + 1.84 | + 2.08 | + 0.72 | + 1.27 |
| 1309 | - 0.30 | + 0.34 | + 0.43 | - 1.92 | + 1.09 | + 0.36 | - 0.38 | - 0.44 | + 0.65 | + 0.25 |
| 449 | + 2.55 | - 1.34 | - 1.44 | + 4.71 | + 1.16 | - 0.92 | + 0.39 | + 0.42 | - 1.58 | - 0.59 |
| 1642 | + 0.30 | - 0.23 | - 0.26 | + 0.53 | + 0.23 | + 0.05 | - 0.06 | - 0.06 | - 0.09 | + 0.11 |
| 450 | - 0.62 | - 0.52 | - 0.70 | - 1.31 | + 0.06 | - 2.09 | + 8.82 | + 9.23 | - 1.90 | - 2.37 |
| 451 | - 0.08 | + 0.19 | + 0.21 | - 0.30 | + 0.02 | + 0.47 | - 0.67 | - 0.73 | + 0.24 | + 0.65 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------|------------|-------|-------|-------|--------------------------------|------|------|-------|--|------|------|------|---------|
| FK6 | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu, \alpha^*}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 1279 | 78.28 | 91.28 | 91.28 | 61.11 | 10.90 | 0.69 | 0.69 | 16.62 | 0.51 | 0.77 | 0.81 | 0.75 | 0.55 |
| 1280 | 85.18 | 90.94 | 90.94 | 57.93 | 10.42 | 0.51 | 0.51 | 24.46 | 0.61 | 0.62 | 0.65 | 1.03 | 0.74 |
| 409 | 73.23 | 91.47 | 91.47 | 51.33 | 8.52 | 0.83 | 0.83 | 12.68 | 0.30 | 1.01 | 1.18 | 0.44 | 0.32 |
| 410 | 71.48 | 91.20 | 91.20 | 45.46 | 11.64 | 0.65 | 0.65 | 17.72 | 0.38 | 0.58 | 0.60 | 0.56 | 0.39 |
| 412 | 70.30 | 91.07 | 91.07 | 55.12 | 10.71 | 0.53 | 0.53 | 14.07 | 0.38 | 0.58 | 0.59 | 0.49 | 0.39 |
| 414 | 81.59 | 91.30 | 91.30 | 57.17 | 11.82 | 0.49 | 0.49 | 22.20 | 0.55 | 0.60 | 0.62 | 0.84 | 0.65 |
| 1664 | 84.43 | 91.42 | 91.42 | 49.33 | 10.24 | 0.50 | 0.50 | 25.36 | 0.51 | 0.68 | 0.72 | 0.89 | 0.60 |
| 1282 | 72.01 | 91.12 | 91.12 | 58.66 | 11.32 | 0.51 | 0.51 | 14.73 | 0.46 | 0.57 | 0.58 | 0.62 | 0.45 |
| 1283 | 76.01 | 91.63 | 91.63 | 46.24 | 11.83 | 0.80 | 0.80 | 20.31 | 0.41 | 0.84 | 0.89 | 0.64 | 0.45 |
| 413 | 83.03 | 91.20 | 91.20 | 45.78 | 8.31 | 0.48 | 0.48 | 19.56 | 0.39 | 0.58 | 0.62 | 0.72 | 0.43 |
| 415 | 85.65 | 91.05 | 91.05 | 63.34 | 12.37 | 0.31 | 0.31 | 27.63 | 0.79 | 0.34 | 0.34 | 1.28 | 1.00 |
| 416 | 69.25 | 91.38 | 91.38 | 52.20 | 11.21 | 0.34 | 0.34 | 14.94 | 0.39 | 0.37 | 0.37 | 0.53 | 0.38 |
| 1286 | 82.09 | 91.29 | 91.29 | 60.81 | 11.48 | 0.70 | 0.70 | 20.94 | 0.62 | 0.77 | 0.81 | 1.04 | 0.69 |
| 1289 | 90.86 | 91.23 | 91.23 | 63.96 | 3.06 | 0.45 | 0.45 | 26.21 | 0.53 | 0.45 | 0.52 | 1.33 | 0.96 |
| 420 | 71.55 | 91.22 | 91.22 | 53.41 | 10.54 | 0.53 | 0.53 | 14.61 | 0.36 | 0.59 | 0.61 | 0.48 | 0.39 |
| 1290 | 89.05 | 91.24 | 91.24 | 65.87 | 7.99 | 0.62 | 0.62 | 27.14 | 0.78 | 0.75 | 0.85 | 1.46 | 1.07 |
| 422 | 62.24 | 91.27 | 91.27 | 46.01 | 10.46 | 0.75 | 0.75 | 13.06 | 0.31 | 0.93 | 0.98 | 0.41 | 0.29 |
| 423 | 71.39 | 91.38 | 91.38 | 48.75 | 10.56 | 0.71 | 0.71 | 15.44 | 0.36 | 0.73 | 0.77 | 0.54 | 0.36 |
| 1641 | 87.21 | 91.23 | 91.23 | 53.94 | 8.10 | 0.43 | 0.43 | 24.62 | 0.54 | 0.57 | 0.61 | 1.02 | 0.66 |
| 1292 | 74.19 | 91.10 | 91.10 | 54.36 | 10.31 | 0.77 | 0.77 | 15.17 | 0.40 | 1.02 | 1.13 | 0.58 | 0.41 |
| 424 | 79.98 | 91.35 | 91.35 | 56.86 | 8.52 | 0.44 | 0.44 | 14.89 | 0.38 | 0.46 | 0.48 | 0.58 | 0.43 |
| 426 | 67.62 | 90.89 | 90.89 | 42.99 | 10.05 | 0.71 | 0.71 | 14.37 | 0.30 | 0.67 | 0.70 | 0.45 | 0.30 |
| 427 | 68.84 | 91.27 | 91.27 | 49.40 | 9.29 | 0.66 | 0.66 | 12.70 | 0.32 | 0.74 | 0.78 | 0.47 | 0.30 |
| 429 | 78.58 | 91.22 | 91.22 | 53.60 | 10.03 | 0.42 | 0.42 | 17.29 | 0.41 | 0.47 | 0.48 | 0.62 | 0.46 |
| 1294 | 90.01 | 91.25 | 91.25 | 62.74 | 5.73 | 0.35 | 0.35 | 27.53 | 0.63 | 0.38 | 0.40 | 1.28 | 0.97 |
| 1295 | 81.97 | 91.16 | 91.16 | 63.28 | 9.58 | 0.79 | 0.79 | 16.64 | 0.54 | 0.94 | 1.06 | 0.87 | 0.60 |
| 1297 | 77.38 | 91.18 | 91.18 | 49.24 | 7.13 | 0.69 | 0.69 | 12.42 | 0.28 | 0.74 | 0.85 | 0.45 | 0.30 |
| 1298 | 88.45 | 91.31 | 91.31 | 61.42 | 7.13 | 0.64 | 0.64 | 23.22 | 0.60 | 0.63 | 0.71 | 1.11 | 0.78 |
| 432 | 76.11 | 91.05 | 91.05 | 55.83 | 10.84 | 0.49 | 0.49 | 16.58 | 0.43 | 0.51 | 0.52 | 0.61 | 0.47 |
| 433 | 77.75 | 91.59 | 91.59 | 50.14 | 9.42 | 0.41 | 0.41 | 16.43 | 0.36 | 0.44 | 0.45 | 0.55 | 0.40 |
| 434 | 79.18 | 91.42 | 91.42 | 52.52 | 13.02 | 0.62 | 0.62 | 23.30 | 0.51 | 0.78 | 0.82 | 0.75 | 0.60 |
| 435 | 84.68 | 91.43 | 91.43 | 60.16 | 12.59 | 0.37 | 0.37 | 27.38 | 0.73 | 0.39 | 0.40 | 1.21 | 0.88 |
| 1299 | 78.24 | 91.45 | 91.45 | 52.90 | 9.71 | 0.64 | 0.64 | 16.66 | 0.40 | 0.63 | 0.66 | 0.61 | 0.43 |
| 437 | 63.51 | 91.00 | 91.00 | 43.08 | 9.42 | 0.83 | 0.83 | 12.42 | 0.29 | 1.06 | 1.18 | 0.42 | 0.26 |
| 439 | 86.58 | 91.15 | 91.15 | 57.86 | 8.97 | 0.55 | 0.55 | 24.03 | 0.56 | 0.59 | 0.63 | 0.92 | 0.72 |
| 1300 | 73.92 | 91.49 | 91.49 | 62.32 | 11.33 | 0.62 | 0.62 | 14.64 | 0.51 | 0.68 | 0.70 | 0.67 | 0.50 |
| 440 | 83.15 | 91.25 | 91.25 | 54.71 | 7.55 | 0.44 | 0.44 | 16.04 | 0.37 | 0.47 | 0.50 | 0.61 | 0.44 |
| 1302 | 78.86 | 91.13 | 91.13 | 54.49 | 9.63 | 0.70 | 0.70 | 16.59 | 0.39 | 0.82 | 0.90 | 0.58 | 0.45 |
| 441 | 73.56 | 90.94 | 90.94 | 53.28 | 10.25 | 0.46 | 0.46 | 15.03 | 0.35 | 0.52 | 0.53 | 0.47 | 0.40 |
| 1303 | 84.41 | 91.37 | 91.37 | 60.85 | 9.68 | 0.43 | 0.43 | 20.40 | 0.55 | 0.47 | 0.48 | 0.88 | 0.67 |
| 1305 | 86.20 | 91.17 | 91.17 | 58.10 | 9.06 | 0.52 | 0.52 | 23.23 | 0.56 | 0.58 | 0.62 | 0.91 | 0.70 |
| 445 | 59.94 | 91.27 | 91.27 | 45.01 | 10.14 | 0.73 | 0.73 | 12.32 | 0.30 | 0.83 | 0.86 | 0.39 | 0.27 |
| 446 | 87.80 | 91.10 | 91.10 | 61.73 | 9.36 | 0.41 | 0.41 | 27.44 | 0.72 | 0.47 | 0.49 | 1.30 | 0.93 |
| 1307 | 72.67 | 91.52 | 91.52 | 56.32 | 12.25 | 0.57 | 0.57 | 16.78 | 0.44 | 0.65 | 0.66 | 0.58 | 0.48 |
| 447 | 67.31 | 91.27 | 91.27 | 48.39 | 11.21 | 0.38 | 0.38 | 14.99 | 0.35 | 0.47 | 0.48 | 0.47 | 0.35 |
| 1309 | 81.51 | 91.42 | 91.42 | 57.29 | 10.35 | 0.64 | 0.64 | 19.32 | 0.48 | 0.64 | 0.67 | 0.71 | 0.57 |
| 449 | 80.75 | 91.18 | 91.18 | 59.18 | 13.93 | 0.42 | 0.42 | 24.34 | 0.66 | 0.46 | 0.47 | 1.01 | 0.76 |
| 1642 | 83.95 | 91.23 | 91.23 | 55.72 | 11.51 | 0.39 | 0.39 | 25.40 | 0.61 | 0.51 | 0.52 | 1.02 | 0.72 |
| 450 | 66.70 | 91.32 | 91.32 | 48.39 | 9.56 | 0.67 | 0.67 | 12.63 | 0.31 | 0.75 | 0.79 | 0.44 | 0.29 |
| 451 | 79.90 | 91.17 | 91.17 | 46.44 | 9.95 | 0.43 | 0.43 | 19.77 | 0.40 | 0.48 | 0.49 | 0.70 | 0.44 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 1279 | 80.06 | 91.43 | 91.43 | 53.87 | 12.08 | 0.47 | 0.47 | 22.08 | 0.51 | 0.53 | 0.54 | 0.78 | 0.59 |
| 1280 | 86.21 | 91.34 | 91.34 | 50.17 | 10.78 | 0.49 | 0.49 | 30.77 | 0.62 | 0.58 | 0.60 | 1.13 | 0.75 |
| 409 | 72.80 | 91.62 | 91.62 | 38.72 | 9.26 | 0.49 | 0.49 | 15.61 | 0.28 | 0.59 | 0.62 | 0.46 | 0.30 |
| 410 | 73.04 | 91.68 | 91.68 | 35.17 | 12.69 | 0.47 | 0.47 | 22.26 | 0.39 | 0.59 | 0.61 | 0.66 | 0.39 |
| 412 | 68.25 | 91.38 | 91.38 | 42.28 | 12.03 | 0.46 | 0.46 | 17.55 | 0.35 | 0.54 | 0.55 | 0.52 | 0.36 |
| 414 | 81.76 | 91.31 | 91.31 | 41.07 | 12.57 | 0.34 | 0.34 | 28.89 | 0.51 | 0.42 | 0.43 | 0.88 | 0.58 |
| 1664 | 83.37 | 91.31 | 91.31 | 31.19 | 10.43 | 0.40 | 0.40 | 28.80 | 0.44 | 0.44 | 0.45 | 0.96 | 0.48 |
| 1282 | 73.32 | 91.20 | 91.20 | 44.80 | 13.85 | 0.44 | 0.44 | 22.29 | 0.46 | 0.53 | 0.54 | 0.71 | 0.48 |
| 1283 | 75.21 | 91.41 | 91.41 | 34.54 | 12.31 | 0.53 | 0.53 | 23.15 | 0.40 | 0.69 | 0.72 | 0.72 | 0.41 |
| 413 | 84.31 | 91.36 | 91.36 | 38.47 | 8.55 | 0.44 | 0.44 | 23.58 | 0.38 | 0.44 | 0.46 | 0.69 | 0.45 |
| 415 | 85.60 | 91.49 | 91.49 | 49.77 | 12.87 | 0.45 | 0.45 | 34.84 | 0.67 | 0.47 | 0.48 | 1.09 | 0.84 |
| 416 | 66.11 | 91.42 | 91.42 | 36.89 | 12.44 | 0.37 | 0.37 | 18.30 | 0.33 | 0.38 | 0.38 | 0.49 | 0.34 |
| 1286 | 82.49 | 91.42 | 91.42 | 53.85 | 12.01 | 0.55 | 0.55 | 24.80 | 0.62 | 0.71 | 0.74 | 1.21 | 0.66 |
| 1289 | 91.04 | 91.45 | 91.45 | 54.44 | 3.07 | 0.44 | 0.44 | 33.93 | 0.51 | 0.42 | 0.49 | 1.28 | 0.92 |
| 420 | 67.99 | 91.36 | 91.36 | 36.97 | 11.51 | 0.49 | 0.49 | 17.58 | 0.32 | 0.57 | 0.58 | 0.48 | 0.32 |
| 1290 | 89.49 | 91.31 | 91.31 | 57.11 | 8.14 | 0.60 | 0.60 | 35.76 | 0.74 | 0.59 | 0.64 | 1.37 | 1.05 |
| 422 | 59.03 | 91.32 | 91.32 | 32.78 | 11.70 | 0.52 | 0.52 | 15.76 | 0.30 | 0.64 | 0.66 | 0.44 | 0.27 |
| 423 | 70.44 | 91.06 | 91.06 | 36.96 | 11.35 | 0.51 | 0.51 | 18.34 | 0.34 | 0.57 | 0.59 | 0.56 | 0.34 |
| 1641 | 86.31 | 91.17 | 91.17 | 42.00 | 8.14 | 0.50 | 0.50 | 25.75 | 0.46 | 0.61 | 0.67 | 0.99 | 0.52 |
| 1292 | 75.61 | 91.20 | 91.20 | 44.31 | 11.47 | 0.57 | 0.57 | 19.87 | 0.39 | 0.65 | 0.68 | 0.63 | 0.42 |
| 424 | 81.21 | 91.02 | 91.02 | 46.13 | 9.17 | 0.49 | 0.49 | 19.47 | 0.38 | 0.55 | 0.58 | 0.64 | 0.43 |
| 426 | 67.64 | 91.06 | 91.06 | 30.53 | 10.99 | 0.55 | 0.55 | 17.63 | 0.30 | 0.60 | 0.62 | 0.50 | 0.29 |
| 427 | 68.89 | 91.45 | 91.45 | 36.92 | 10.45 | 0.53 | 0.53 | 16.29 | 0.30 | 0.60 | 0.62 | 0.48 | 0.30 |
| 429 | 78.37 | 91.18 | 91.18 | 44.39 | 10.49 | 0.41 | 0.41 | 20.01 | 0.38 | 0.43 | 0.44 | 0.62 | 0.43 |
| 1294 | 90.28 | 91.48 | 91.48 | 54.48 | 5.79 | 0.45 | 0.45 | 34.79 | 0.64 | 0.47 | 0.51 | 1.32 | 0.94 |
| 1295 | 81.72 | 91.23 | 91.23 | 56.50 | 9.97 | 0.59 | 0.59 | 19.03 | 0.51 | 0.67 | 0.71 | 0.92 | 0.55 |
| 1297 | 78.94 | 91.20 | 91.20 | 36.09 | 7.67 | 0.49 | 0.49 | 16.23 | 0.28 | 0.62 | 0.68 | 0.51 | 0.29 |
| 1298 | 89.37 | 91.37 | 91.37 | 55.48 | 7.28 | 0.48 | 0.48 | 31.63 | 0.65 | 0.43 | 0.45 | 1.26 | 0.88 |
| 432 | 77.38 | 91.19 | 91.19 | 44.34 | 12.03 | 0.53 | 0.53 | 22.12 | 0.44 | 0.52 | 0.53 | 0.72 | 0.47 |
| 433 | 74.00 | 91.52 | 91.52 | 32.75 | 9.65 | 0.43 | 0.43 | 17.77 | 0.29 | 0.42 | 0.43 | 0.51 | 0.30 |
| 434 | 80.51 | 91.44 | 91.44 | 41.54 | 13.89 | 0.45 | 0.45 | 29.86 | 0.53 | 0.45 | 0.46 | 0.88 | 0.60 |
| 435 | 85.09 | 91.34 | 91.34 | 48.25 | 13.13 | 0.48 | 0.48 | 34.68 | 0.69 | 0.55 | 0.56 | 1.25 | 0.81 |
| 1299 | 79.50 | 91.42 | 91.42 | 43.58 | 10.36 | 0.51 | 0.51 | 20.86 | 0.39 | 0.49 | 0.51 | 0.67 | 0.44 |
| 437 | 63.08 | 91.03 | 91.03 | 30.84 | 10.56 | 0.55 | 0.55 | 15.46 | 0.27 | 0.60 | 0.62 | 0.44 | 0.26 |
| 439 | 86.79 | 91.41 | 91.41 | 44.57 | 9.20 | 0.46 | 0.46 | 29.73 | 0.52 | 0.43 | 0.44 | 0.97 | 0.63 |
| 1300 | 72.85 | 91.12 | 91.12 | 51.81 | 13.07 | 0.51 | 0.51 | 19.14 | 0.47 | 0.54 | 0.55 | 0.69 | 0.49 |
| 440 | 82.71 | 91.02 | 91.02 | 41.01 | 7.80 | 0.46 | 0.46 | 18.94 | 0.33 | 0.49 | 0.52 | 0.60 | 0.38 |
| 1302 | 77.93 | 90.99 | 90.99 | 43.73 | 10.02 | 0.48 | 0.48 | 18.95 | 0.36 | 0.63 | 0.66 | 0.56 | 0.40 |
| 441 | 70.85 | 91.29 | 91.29 | 34.94 | 11.20 | 0.39 | 0.39 | 18.61 | 0.32 | 0.39 | 0.40 | 0.51 | 0.33 |
| 1303 | 84.73 | 91.25 | 91.25 | 54.98 | 9.96 | 0.47 | 0.47 | 23.50 | 0.53 | 0.56 | 0.58 | 0.88 | 0.65 |
| 1305 | 87.31 | 91.28 | 91.28 | 49.18 | 9.36 | 0.42 | 0.42 | 30.58 | 0.57 | 0.42 | 0.43 | 1.00 | 0.73 |
| 445 | 55.85 | 91.00 | 91.00 | 28.89 | 11.73 | 0.55 | 0.55 | 15.57 | 0.28 | 0.64 | 0.65 | 0.40 | 0.25 |
| 446 | 88.45 | 91.09 | 91.09 | 52.76 | 9.59 | 0.46 | 0.46 | 35.65 | 0.72 | 0.51 | 0.53 | 1.38 | 0.93 |
| 1307 | 68.54 | 91.53 | 91.53 | 36.76 | 13.67 | 0.42 | 0.42 | 21.17 | 0.38 | 0.44 | 0.44 | 0.57 | 0.39 |
| 447 | 61.82 | 91.16 | 91.16 | 29.09 | 12.24 | 0.43 | 0.43 | 17.79 | 0.29 | 0.49 | 0.50 | 0.44 | 0.29 |
| 1309 | 83.04 | 91.39 | 91.39 | 49.55 | 10.98 | 0.47 | 0.47 | 24.75 | 0.51 | 0.46 | 0.48 | 0.85 | 0.59 |
| 449 | 81.89 | 90.88 | 90.88 | 50.99 | 14.88 | 0.44 | 0.44 | 30.87 | 0.66 | 0.44 | 0.45 | 1.05 | 0.77 |
| 1642 | 79.87 | 91.26 | 91.26 | 35.59 | 11.52 | 0.43 | 0.43 | 25.48 | 0.43 | 0.44 | 0.45 | 0.87 | 0.46 |
| 450 | 63.59 | 91.60 | 91.60 | 32.00 | 10.67 | 0.45 | 0.45 | 15.62 | 0.29 | 0.47 | 0.48 | 0.47 | 0.26 |
| 451 | 80.55 | 91.14 | 91.14 | 37.68 | 10.30 | 0.43 | 0.43 | 23.05 | 0.39 | 0.42 | 0.43 | 0.72 | 0.43 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|------------|-----------|--------|--------|-----------------------|------|------|---------------------------------|-------------------------------|--|--------------------------------------|
| FK6 No. | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ [mas] | $\Delta\delta_{sys}$ [mas] | $\Delta\mu_{\alpha^*,sys}$ [mas/yr] | $\Delta\mu_{\delta,sys}$ [mas/yr] |
| | SI | STP | HIP | SI | STP | HIP | | | | |
| 1279 | 18.07 | 18.24 | 18.27 | 0.77 | 0.79 | 0.79 | - 21.65 | - 95.17 | + 0.03 | + 0.07 |
| 1280 | 9.84 | 9.81 | 9.80 | 0.76 | 0.77 | 0.77 | + 6.31 | - 110.51 | + 3.61 | + 0.31 |
| 409 | 9.17 | 9.71 | 9.76 | 0.85 | 0.94 | 0.96 | - 7.10 | - 115.62 | + 1.63 | + 0.04 |
| 410 | 23.95 | 23.57 | 23.54 | 0.77 | 0.81 | 0.81 | + 17.06 | - 117.29 | + 1.89 | + 0.48 |
| 412 | 35.12 | 33.52 | 33.40 | 0.77 | 0.78 | 0.78 | + 5.10 | - 76.31 | + 0.52 | + 0.60 |
| 414 | 16.48 | 16.41 | 16.40 | 0.65 | 0.65 | 0.65 | - 45.66 | - 98.36 | + 2.55 | - 1.62 |
| 1664 | 9.20 | 9.17 | 9.17 | 0.51 | 0.51 | 0.51 | + 113.48 | - 88.45 | - 4.39 | + 3.39 |
| 1282 | 71.12 | 71.05 | 71.04 | 0.66 | 0.66 | 0.66 | + 5.02 | - 66.84 | + 0.23 | + 1.21 |
| 1283 | 19.01 | 18.75 | 18.71 | 0.94 | 1.02 | 1.03 | + 14.30 | - 113.49 | + 1.79 | + 0.73 |
| 413 | 5.85 | 5.88 | 5.89 | 0.57 | 0.57 | 0.57 | + 7.88 | - 80.94 | - 1.65 | + 0.27 |
| 415 | 15.83 | 15.97 | 15.99 | 0.75 | 0.75 | 0.75 | - 40.99 | - 75.80 | + 2.58 | - 1.92 |
| 416 | 41.11 | 41.07 | 41.07 | 0.59 | 0.60 | 0.60 | + 21.15 | - 64.44 | + 0.89 | + 1.55 |
| 1286 | 13.41 | 15.25 | 15.57 | 0.87 | 0.91 | 0.92 | + 13.19 | - 120.57 | + 1.68 | + 0.03 |
| 1289 | 0.51 | 0.52 | 0.55 | 0.54 | 0.54 | 0.54 | - 30.23 | - 32.60 | - 2.26 | - 0.47 |
| 420 | 21.98 | 22.20 | 22.21 | 0.66 | 0.68 | 0.68 | + 6.86 | - 53.77 | + 0.67 | + 1.67 |
| 1290 | 4.57 | 4.71 | 4.82 | 0.85 | 0.86 | 0.87 | - 32.28 | - 105.81 | + 3.38 | - 0.83 |
| 422 | 56.54 | 56.52 | 56.52 | 0.82 | 0.83 | 0.83 | - 23.37 | - 90.51 | + 0.01 | + 0.01 |
| 423 | 18.80 | 18.41 | 18.36 | 0.74 | 0.77 | 0.77 | - 23.19 | - 93.46 | + 0.44 | + 0.23 |
| 1641 | 5.07 | 5.09 | 5.10 | 0.58 | 0.58 | 0.58 | + 73.65 | - 50.37 | - 4.11 | + 0.93 |
| 1292 | 16.96 | 16.74 | 16.69 | 0.85 | 0.88 | 0.89 | - 8.95 | - 103.19 | + 0.88 | - 0.43 |
| 424 | 7.61 | 7.72 | 7.74 | 0.72 | 0.73 | 0.73 | - 10.45 | - 50.08 | + 0.55 | + 2.04 |
| 426 | 16.75 | 16.75 | 16.75 | 0.80 | 0.82 | 0.82 | + 19.62 | - 116.47 | + 1.72 | + 0.49 |
| 427 | 15.54 | 15.29 | 15.24 | 0.75 | 0.80 | 0.81 | - 31.77 | - 113.85 | + 1.19 | - 0.29 |
| 429 | 11.53 | 11.58 | 11.58 | 0.56 | 0.56 | 0.56 | + 10.68 | - 41.03 | + 0.98 | + 0.83 |
| 1294 | 1.35 | 1.20 | 1.06 | 0.75 | 0.76 | 0.76 | - 48.67 | - 70.84 | + 2.20 | - 1.79 |
| 1295 | 9.77 | 10.09 | 10.17 | 0.90 | 0.92 | 0.92 | + 11.62 | - 85.20 | - 0.09 | - 0.04 |
| 1297 | 5.45 | 5.28 | 5.25 | 0.76 | 0.83 | 0.84 | - 26.90 | - 105.45 | + 0.48 | - 0.46 |
| 1298 | 3.98 | 3.88 | 3.83 | 0.80 | 0.81 | 0.81 | - 9.17 | - 107.38 | + 3.64 | + 0.20 |
| 432 | 17.86 | 17.82 | 17.82 | 0.71 | 0.72 | 0.72 | + 13.40 | - 52.41 | + 0.49 | + 1.49 |
| 433 | 9.76 | 9.76 | 9.76 | 0.54 | 0.54 | 0.54 | + 40.28 | - 54.67 | + 1.46 | + 0.67 |
| 434 | 25.70 | 25.27 | 25.23 | 0.80 | 0.83 | 0.83 | - 29.88 | - 104.81 | + 3.18 | - 0.59 |
| 435 | 17.28 | 17.25 | 17.24 | 0.70 | 0.70 | 0.70 | - 43.88 | - 51.21 | + 2.16 | - 1.66 |
| 1299 | 12.93 | 10.91 | 10.70 | 0.75 | 0.79 | 0.79 | + 13.13 | - 114.58 | + 1.07 | + 0.05 |
| 437 | 18.02 | 18.24 | 18.31 | 0.84 | 0.88 | 0.89 | - 11.31 | - 96.52 | + 0.29 | - 0.47 |
| 439 | 6.64 | 6.60 | 6.59 | 0.71 | 0.71 | 0.71 | - 42.80 | - 100.50 | + 2.31 | - 1.06 |
| 1300 | 104.73 | 104.81 | 104.81 | 0.71 | 0.72 | 0.72 | + 11.85 | - 64.62 | + 0.54 | + 0.53 |
| 440 | 5.08 | 5.07 | 5.07 | 0.58 | 0.58 | 0.58 | + 15.32 | - 43.21 | + 1.16 | + 0.79 |
| 1302 | 10.72 | 10.45 | 10.42 | 0.74 | 0.75 | 0.75 | - 30.78 | - 108.01 | + 0.91 | - 0.20 |
| 441 | 16.61 | 16.64 | 16.64 | 0.60 | 0.60 | 0.60 | - 0.73 | - 42.30 | + 0.65 | + 1.95 |
| 1303 | 8.81 | 8.80 | 8.80 | 0.64 | 0.64 | 0.64 | + 25.76 | - 48.26 | + 0.89 | + 1.06 |
| 1305 | 6.85 | 6.84 | 6.84 | 0.64 | 0.65 | 0.65 | + 5.29 | - 107.18 | + 2.80 | + 0.57 |
| 445 | 91.78 | 91.75 | 91.74 | 0.77 | 0.77 | 0.77 | - 18.99 | - 97.35 | + 0.00 | - 0.44 |
| 446 | 7.17 | 7.06 | 7.03 | 0.72 | 0.72 | 0.72 | - 31.34 | - 57.53 | + 1.59 | - 1.65 |
| 1307 | 109.06 | 109.21 | 109.21 | 0.76 | 0.78 | 0.78 | + 12.12 | - 57.96 | + 0.20 | + 0.85 |
| 447 | 38.50 | 39.02 | 38.99 | 0.67 | 0.68 | 0.68 | + 0.23 | - 56.19 | + 0.49 | + 1.90 |
| 1309 | 11.53 | 11.44 | 11.42 | 0.82 | 0.83 | 0.83 | + 30.29 | - 110.66 | + 0.54 | + 0.94 |
| 449 | 41.15 | 41.31 | 41.32 | 0.76 | 0.76 | 0.76 | - 31.90 | - 69.92 | + 1.14 | - 1.56 |
| 1642 | 13.14 | 13.11 | 13.11 | 0.50 | 0.50 | 0.50 | + 73.00 | - 48.29 | - 2.07 | + 0.86 |
| 450 | 15.00 | 18.90 | 19.08 | 0.74 | 0.77 | 0.77 | - 20.56 | - 102.53 | + 0.91 | + 0.01 |
| 451 | 9.83 | 9.80 | 9.80 | 0.52 | 0.52 | 0.52 | + 16.34 | - 82.93 | - 0.14 | + 0.29 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|------------|---------------------------------------|-------------------------------------|--|--|-----------|----------|----------|--------------|----------|----------------------|
| FK6 No. | $\varepsilon_{\alpha^*,sys}$ [mas] | $\varepsilon_{\delta,sys}$ [mas] | $\varepsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\varepsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 1279 | 8.05 | 6.74 | 0.27 | 0.22 | 1 | 4.31 | 4.03 | 5.04 | 2.10 | |
| 1280 | 8.14 | 6.83 | 0.31 | 0.19 | 1 | 4.28 | 1.06 | 0.34 | 3.65 | |
| 409 | 7.34 | 6.57 | 0.28 | 0.20 | 1 | 0.79 | 2.57 | 0.52 | 2.86 | 248 |
| 410 | 7.85 | 6.75 | 0.28 | 0.21 | 1 | 0.92 | 1.96 | 3.65 | 1.27 | |
| 412 | 8.40 | 7.04 | 0.29 | 0.22 | | 10.90 | 11.54 | 11.20 | 1.77 | 249 |
| 414 | 8.63 | 6.87 | 0.29 | 0.22 | 1 | 1.57 | 1.44 | 2.37 | 2.04 | |
| 1664 | 15.13 | 11.18 | 0.61 | 0.49 | 1 | 0.65 | 2.40 | 1.71 | 2.60 | 250 |
| 1282 | 8.85 | 7.41 | 0.31 | 0.22 | 1 | 2.18 | 1.61 | 0.84 | 1.58 | 251 |
| 1283 | 8.32 | 6.48 | 0.28 | 0.21 | 1 | 0.31 | 0.95 | 1.48 | 1.29 | |
| 413 | 14.45 | 11.95 | 0.55 | 0.33 | 1 | 2.38 | 2.75 | 2.22 | 3.05 | 252 |
| 415 | 9.58 | 7.62 | 0.31 | 0.22 | 1 | 1.64 | 2.89 | 0.24 | 1.77 | |
| 416 | 10.27 | 8.26 | 0.37 | 0.26 | 1 | 2.22 | 0.70 | 0.97 | 2.89 | 253 |
| 1286 | 7.81 | 6.17 | 0.29 | 0.20 | | 12.37 | 11.34 | 10.64 | 3.65 | |
| 1289 | 10.97 | 7.80 | 0.37 | 0.24 | 1 | 1.34 | 0.94 | 1.31 | 0.75 | 254 |
| 420 | 9.88 | 6.85 | 0.30 | 0.20 | 1 | 4.88 | 3.95 | 4.89 | 5.57 | |
| 1290 | 8.42 | 7.15 | 0.30 | 0.21 | 1 | 2.30 | 1.20 | 2.68 | 1.25 | 255 |
| 422 | 8.55 | 6.24 | 0.28 | 0.22 | 1 | 1.39 | 0.77 | 1.76 | 2.41 | 256 |
| 423 | 8.32 | 6.32 | 0.28 | 0.22 | 1 | 2.37 | 1.81 | 2.00 | 1.54 | 257 |
| 1641 | 18.07 | 14.34 | 0.70 | 0.55 | 1 | 2.06 | 1.46 | 1.78 | 2.86 | |
| 1292 | 6.84 | 5.73 | 0.27 | 0.18 | 1 | 0.77 | 1.25 | 0.34 | 0.76 | 258 |
| 424 | 10.07 | 7.37 | 0.31 | 0.24 | 1 | 1.62 | 1.94 | 2.56 | 1.26 | 259 |
| 426 | 8.28 | 6.25 | 0.29 | 0.21 | 1 | 0.70 | 1.45 | 1.74 | 1.19 | 260 |
| 427 | 7.23 | 5.89 | 0.27 | 0.19 | 1 | 2.10 | 1.97 | 0.20 | 3.23 | 261 |
| 429 | 11.28 | 8.64 | 0.40 | 0.26 | 1 | 3.03 | 1.60 | 1.49 | 3.18 | |
| 1294 | 9.96 | 7.31 | 0.29 | 0.21 | 1 | 2.38 | 2.05 | 0.99 | 0.97 | |
| 1295 | 9.00 | 6.03 | 0.29 | 0.19 | 1 | 1.12 | 3.20 | 1.18 | 2.18 | 262 |
| 1297 | 6.65 | 5.73 | 0.25 | 0.18 | 1 | 0.98 | 1.92 | 0.38 | 4.48 | 263 |
| 1298 | 8.86 | 6.17 | 0.29 | 0.18 | 1 | 1.54 | 1.88 | 0.44 | 0.98 | |
| 432 | 9.97 | 6.87 | 0.28 | 0.21 | 1 | 1.48 | 0.75 | 1.07 | 1.70 | |
| 433 | 12.09 | 8.00 | 0.41 | 0.31 | 1 | 1.90 | 1.69 | 1.68 | 0.89 | |
| 434 | 8.54 | 6.96 | 0.29 | 0.20 | 1 | 2.71 | 2.43 | 1.36 | 1.30 | 264 |
| 435 | 10.08 | 6.85 | 0.29 | 0.23 | 1 | 1.89 | 2.48 | 2.56 | 0.15 | |
| 1299 | 7.63 | 5.84 | 0.27 | 0.19 | | 6.91 | 8.46 | 7.33 | 0.78 | 265 |
| 437 | 6.46 | 5.75 | 0.24 | 0.17 | 1 | 1.94 | 0.79 | 1.57 | 2.66 | |
| 439 | 8.91 | 6.46 | 0.28 | 0.21 | 1 | 2.75 | 1.15 | 2.89 | 1.76 | |
| 1300 | 8.76 | 6.48 | 0.28 | 0.22 | 1 | 2.17 | 1.90 | 3.05 | 1.54 | 266 |
| 440 | 11.24 | 8.01 | 0.39 | 0.28 | 1 | 3.49 | 1.88 | 3.61 | 2.39 | 267 |
| 1302 | 7.19 | 5.82 | 0.25 | 0.19 | 1 | 4.34 | 3.30 | 3.74 | 2.06 | 268 |
| 441 | 10.08 | 6.86 | 0.28 | 0.22 | 1 | 1.49 | 1.42 | 1.97 | 0.34 | 269 |
| 1303 | 11.20 | 8.13 | 0.37 | 0.25 | 1 | 1.21 | 0.99 | 1.72 | 0.39 | |
| 1305 | 8.62 | 5.95 | 0.28 | 0.18 | 1 | 0.56 | 0.49 | 2.15 | 0.87 | 270 |
| 445 | 6.38 | 5.73 | 0.24 | 0.18 | 1 | 2.03 | 1.18 | 2.41 | 2.52 | 271 |
| 446 | 9.88 | 6.73 | 0.27 | 0.21 | 1 | 0.38 | 2.76 | 0.69 | 1.58 | |
| 1307 | 8.72 | 6.36 | 0.26 | 0.22 | 1 | 1.93 | 2.22 | 9.06 | 3.53 | 272 |
| 447 | 10.54 | 7.97 | 0.34 | 0.26 | | 19.79 | 22.60 | 19.67 | 1.19 | 273 |
| 1309 | 8.55 | 6.03 | 0.26 | 0.21 | 1 | 2.52 | 1.35 | 2.13 | 3.34 | 274 |
| 449 | 9.77 | 7.25 | 0.27 | 0.22 | 1 | 5.80 | 3.13 | 3.63 | 2.90 | |
| 1642 | 18.40 | 13.84 | 0.68 | 0.55 | 1 | 0.70 | 0.62 | 2.98 | 0.32 | 275 |
| 450 | 7.19 | 5.99 | 0.26 | 0.20 | | 16.88 | 21.48 | 19.18 | 2.68 | 276 |
| 451 | 13.96 | 10.83 | 0.49 | 0.32 | 1 | 1.29 | 2.29 | 3.38 | 0.62 | 277 |

| 1 | 2 | 3 | 4 | | | 5 | | | 6 | 7 | | |
|------------|------------|----------------------------|--------------------|----|------------|--------------------|----|--------------|----------------------------|--------------------------|---|---------|
| FK6 No. | HIP No. | Name | α (SI) 2000 | | | δ (SI) 2000 | | | μ_{α^*} (SI) 2000 | μ_{δ} (SI) 2000 | | |
| | | | h | m | s | ° | ' | " | [mas/yr] | [mas/yr] | | |
| 453 | 59316 | ϵ Crv | 12 | 10 | 7.480 715 | - | 22 | 37 11.152 48 | - | 71.43 | + | 11.32 |
| 1314 | 59708 | Br 1636 UMa | 12 | 14 | 43.409 697 | + | 53 | 26 4.658 12 | - | 21.11 | - | 17.95 |
| 455 | 59747 | δ Cru | 12 | 15 | 8.715 941 | - | 58 | 44 56.137 22 | - | 36.48 | - | 10.38 |
| 456 | 59774 | δ UMa | 12 | 15 | 25.560 327 | + | 57 | 1 57.422 97 | + | 103.75 | + | 8.05 |
| 457 | 59803 | γ Crv | 12 | 15 | 48.370 356 | - | 17 | 32 30.949 57 | - | 159.36 | + | 21.91 |
| 459 | 60000 | β Cha | 12 | 18 | 20.822 875 | - | 79 | 18 44.052 52 | - | 38.49 | + | 13.25 |
| 1316 | 60122 | 3 CVn | 12 | 19 | 48.710 270 | + | 48 | 59 2.931 27 | - | 14.46 | + | 6.44 |
| 1317 | 60172 | 16 Vir | 12 | 20 | 20.981 182 | + | 3 | 18 45.261 43 | - | 293.30 | - | 63.48 |
| 1319 | 60603 | 322 G. Hya | 12 | 25 | 18.410 694 | - | 27 | 44 56.399 68 | + | 2.19 | - | 0.30 |
| 461 | 60646 | 6 CVn | 12 | 25 | 50.938 582 | + | 39 | 1 7.026 98 | - | 77.98 | - | 32.93 |
| 463 | 60735 | 323 G. Hya | 12 | 26 | 51.689 817 | - | 32 | 49 48.428 35 | - | 6.32 | - | 29.35 |
| 464 | 60823 | σ Cen | 12 | 28 | 2.382 223 | - | 50 | 13 50.285 60 | - | 32.20 | - | 12.38 |
| 1320 | 60855 | 122 G. Cen | 12 | 28 | 22.466 372 | - | 39 | 2 28.210 40 | - | 26.10 | - | 13.00 |
| 466 | 60957 | 20 Com | 12 | 29 | 43.239 443 | + | 20 | 53 45.988 60 | + | 25.42 | - | 31.68 |
| 468 | 61084 | γ Cru | 12 | 31 | 9.959 342 | - | 57 | 6 47.559 18 | + | 27.98 | - | 264.00 |
| 469 | 61199 | γ Mus | 12 | 32 | 28.014 407 | - | 72 | 7 58.757 52 | - | 50.78 | - | 5.06 |
| 1321 | 61296 | 35 G. Crv | 12 | 33 | 34.259 499 | - | 12 | 49 48.733 45 | - | 15.85 | + | 51.23 |
| 1322 | 61309 | Pi 12 ^h 122 CVn | 12 | 33 | 38.919 663 | + | 33 | 14 51.298 93 | + | 21.59 | - | 31.67 |
| 471 | 61359 | β Crv | 12 | 34 | 23.235 556 | - | 23 | 23 48.332 36 | + | 2.33 | - | 55.93 |
| 1324 | 61558 | 25 Vir | 12 | 36 | 47.354 288 | - | 5 | 49 54.833 65 | - | 28.06 | - | 19.40 |
| 475 | 61740 | χ Vir | 12 | 39 | 14.767 094 | - | 7 | 59 44.024 24 | - | 76.99 | - | 23.83 |
| 1325 | 61916 | 133 G. Cen | 12 | 41 | 22.985 438 | - | 46 | 8 44.096 62 | - | 70.71 | + | 59.61 |
| 478 | 61936 | 76 UMa | 12 | 41 | 33.910 079 | + | 62 | 42 46.943 71 | - | 31.07 | - | 17.25 |
| 1326 | 61960 | ϱ Vir | 12 | 41 | 53.056 220 | + | 10 | 14 8.246 02 | + | 82.06 | - | 90.14 |
| 479 | 62131 | 330 G. Hya | 12 | 44 | 0.531 468 | - | 28 | 19 26.245 20 | - | 28.45 | - | 39.51 |
| 1327 | 62223 | Y CVn | 12 | 45 | 7.826 253 | + | 45 | 26 24.922 80 | - | 3.05 | + | 13.10 |
| 1330 | 62443 | 35 Vir | 12 | 47 | 51.412 778 | + | 3 | 34 21.775 29 | - | 7.86 | - | 2.40 |
| 1329 | 62448 | 332 G. Hya | 12 | 47 | 53.645 526 | - | 24 | 51 5.966 57 | - | 42.03 | + | 37.06 |
| 1332 | 62763 | 31 Com | 12 | 51 | 41.920 030 | + | 27 | 32 26.571 67 | - | 11.87 | - | 8.02 |
| 1333 | 62807 | 32 Com | 12 | 52 | 12.257 147 | + | 17 | 4 26.192 07 | + | 2.06 | - | 5.38 |
| 482 | 62896 | 150 G. Cen | 12 | 53 | 26.197 893 | - | 40 | 10 43.931 61 | + | 67.97 | - | 21.10 |
| 1335 | 62985 | ψ Vir | 12 | 54 | 21.160 179 | - | 9 | 32 20.365 28 | - | 23.54 | - | 18.00 |
| 486 | 63076 | 8 Dra | 12 | 55 | 28.548 796 | + | 65 | 26 18.508 12 | - | 4.51 | - | 30.01 |
| 484 | 63090 | δ Vir | 12 | 55 | 36.208 953 | + | 3 | 23 50.888 99 | - | 469.47 | - | 53.28 |
| 488 | 63608 | ϵ Vir | 13 | 2 | 10.597 636 | + | 10 | 57 32.937 95 | - | 274.15 | + | 19.56 |
| 1337 | 63901 | 14 CVn | 13 | 5 | 44.437 621 | + | 35 | 47 56.037 57 | - | 34.36 | + | 19.62 |
| 1340 | 64053 | 177 G. Cen | 13 | 7 | 38.284 119 | - | 53 | 27 35.152 94 | - | 37.13 | - | 20.60 |
| 491 | 64246 | 17 CVn | 13 | 10 | 3.216 401 | + | 38 | 29 56.329 08 | - | 70.08 | + | 44.48 |
| 492 | 64394 | β Com | 13 | 11 | 52.394 001 | + | 27 | 52 41.451 28 | - | 801.17 | + | 881.83 |
| 1342 | 64803 | 195 G. Cen | 13 | 16 | 53.134 085 | - | 31 | 30 22.303 33 | + | 33.50 | - | 48.84 |
| 494 | 64844 | 20 CVn | 13 | 17 | 32.540 509 | + | 40 | 34 21.391 12 | - | 125.80 | + | 18.87 |
| 1344 | 64852 | σ Vir | 13 | 17 | 36.282 517 | + | 5 | 28 11.546 70 | - | 7.50 | + | 11.99 |
| 1345 | 64924 | 61 Vir | 13 | 18 | 24.315 347 | - | 18 | 18 40.309 26 | - | 1068.72 | - | 1064.11 |
| 495 | 64962 | γ Hya | 13 | 18 | 55.295 617 | - | 23 | 10 17.456 20 | + | 66.59 | - | 42.49 |
| 1346 | 65072 | 23 CVn | 13 | 20 | 18.951 137 | + | 40 | 9 1.970 41 | - | 58.40 | - | 3.54 |
| 496 | 65109 | ι Cen | 13 | 20 | 35.817 086 | - | 36 | 42 44.248 85 | - | 341.43 | - | 86.59 |
| 1348 | 65581 | 68 Vir | 13 | 26 | 43.167 349 | - | 12 | 42 27.585 15 | - | 129.07 | - | 20.57 |
| 1350 | 65709 | +31 ^o 2493 CVn | 13 | 28 | 18.753 107 | + | 31 | 8 57.236 34 | + | 1.39 | + | 0.76 |
| 1349 | 65721 | 70 Vir | 13 | 28 | 25.808 840 | + | 13 | 46 43.635 96 | - | 235.69 | - | 576.01 |
| 1351 | 66200 | 78 Vir | 13 | 34 | 7.930 757 | + | 3 | 39 32.288 30 | + | 43.59 | - | 23.13 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|--|---|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | ε_{α^*} (SI) [mas] | $\varepsilon_{\mu,\alpha^*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 453 | 90.98 | 0.61 | 0.26 | 91.13 | 0.43 | 0.27 | 10.75 | 0.71 | H | + 4.9 | 3.02 | | 11 | 1 | 3 |
| 1314 | 91.21 | 0.44 | 0.36 | 91.23 | 0.46 | 0.37 | 6.46 | 0.72 | H | + 0.1 | 6.18 | | 31 | | |
| 455 | 91.20 | 0.40 | 0.34 | 91.12 | 0.43 | 0.36 | 8.96 | 0.60 | H | + 22.2 | 2.79 | 1 | 19 | | 1 |
| 456 | 91.01 | 0.40 | 0.28 | 90.95 | 0.44 | 0.25 | 40.05 | 0.60 | H | - 13.4 | 3.32 | | 19 | | 1 |
| 457 | 91.26 | 0.62 | 0.26 | 91.34 | 0.49 | 0.26 | 19.78 | 0.81 | H | - 4.2 | 2.58 | 1 | 39 | | |
| 459 | 91.08 | 0.45 | 0.37 | 91.25 | 0.43 | 0.33 | 12.05 | 0.51 | H | + 23.0 | 4.24 | | 21 | 2 | |
| 1316 | 91.31 | 0.40 | 0.35 | 91.26 | 0.44 | 0.35 | 6.30 | 0.69 | H | + 8.3 | 5.28 | 1 | 39 | | |
| 1317 | 91.02 | 0.77 | 0.32 | 91.41 | 0.44 | 0.28 | 11.43 | 0.82 | H | + 35.7 | 4.97 | | 39 | | |
| 1319 | 90.90 | 0.73 | 0.49 | 91.30 | 0.64 | 0.44 | 5.07 | 0.89 | H | + 8.5 | 6.09 | | 31 | | |
| 461 | 91.51 | 0.47 | 0.27 | 91.29 | 0.42 | 0.26 | 14.35 | 0.60 | H | - 3.7 | 5.01 | 1 | 39 | | |
| 463 | 91.13 | 0.58 | 0.48 | 91.12 | 0.51 | 0.39 | 6.38 | 0.74 | H | - 14.8 | 5.56 | | 31 | | |
| 464 | 91.27 | 0.47 | 0.43 | 91.42 | 0.49 | 0.42 | 7.36 | 0.67 | H | + 8.0 | 3.91 | | 19 | | 1 |
| 1320 | 90.79 | 0.55 | 0.46 | 91.26 | 0.44 | 0.37 | 7.64 | 0.76 | H | + 5.0 | 5.45 | | 21 | 2 | |
| 466 | 91.26 | 0.66 | 0.31 | 91.16 | 0.46 | 0.28 | 12.84 | 0.77 | H | - 5.1 | 5.68 | | 18 | | |
| 468 | 91.17 | 0.39 | 0.41 | 91.25 | 0.42 | 0.36 | 37.09 | 0.67 | H | + 20.6 | 1.59 | 2 | 13 | | |
| 469 | 91.23 | 0.42 | 0.36 | 91.04 | 0.42 | 0.37 | 10.07 | 0.52 | H | + 2.5 | 3.84 | 1 | 19 | | 1 |
| 1321 | 91.42 | 0.67 | 0.41 | 91.55 | 0.49 | 0.35 | 20.58 | 0.80 | H | - 16.0 | 5.58 | | 19 | | 1 |
| 1322 | 91.32 | 0.65 | 0.41 | 91.15 | 0.45 | 0.38 | 12.26 | 0.70 | H | - 19.9 | 5.42 | | 39 | | |
| 471 | 91.15 | 0.66 | 0.25 | 91.32 | 0.57 | 0.25 | 23.34 | 0.80 | H | - 7.6 | 2.65 | | 31 | | |
| 1324 | 90.89 | 0.68 | 0.27 | 90.96 | 0.50 | 0.27 | 14.54 | 0.82 | H | - 6.0 | 5.88 | | 39 | | |
| 475 | 90.96 | 0.73 | 0.27 | 90.95 | 0.56 | 0.24 | 10.24 | 0.88 | H | - 19.7 | 4.66 | | 25 | 2 | |
| 1325 | 91.52 | 0.53 | 0.50 | 91.38 | 0.44 | 0.40 | 4.09 | 0.80 | H | + 6.9 | 5.84 | 1 | 13 | | |
| 478 | 91.41 | 0.39 | 0.27 | 91.14 | 0.44 | 0.28 | 5.61 | 0.53 | H | - 3.6 | 6.02 | | 31 | | |
| 1326 | 91.33 | 0.71 | 0.31 | 91.36 | 0.49 | 0.25 | 27.10 | 0.82 | H | + 1.6 | 4.88 | | 19 | | 1 |
| 479 | 91.13 | 0.60 | 0.41 | 91.16 | 0.46 | 0.33 | 8.22 | 0.72 | H | + 7.1 | 5.46 | | 19 | | 1 |
| 1327 | 90.95 | 0.52 | 0.37 | 91.05 | 0.46 | 0.38 | 4.59 | 0.73 | H | + 11.7 | 5.42 | 2 | 33 | | |
| 1330 | 91.11 | 0.71 | 0.29 | 91.42 | 0.52 | 0.26 | 5.68 | 0.79 | H | + 8.2 | 6.42 | 1 | 29 | 2 | |
| 1329 | 90.94 | 0.65 | 0.44 | 91.80 | 0.51 | 0.40 | 3.82 | 0.83 | H | + 49.0 | 6.43 | | 19 | | 1 |
| 1332 | 91.24 | 0.66 | 0.31 | 91.34 | 0.56 | 0.27 | 10.62 | 0.90 | H | - 1.4 | 4.93 | | 39 | | |
| 1333 | 91.05 | 0.75 | 0.44 | 91.14 | 0.51 | 0.36 | 1.78 | 0.84 | H | - 0.9 | 6.32 | 1 | 19 | | 1 |
| 482 | 91.39 | 0.46 | 0.42 | 91.65 | 0.43 | 0.35 | 21.03 | 0.78 | H | - 2.5 | 4.25 | | 21 | 2 | |
| 1335 | 91.04 | 0.71 | 0.31 | 91.18 | 0.52 | 0.27 | 7.82 | 0.82 | H | + 17.6 | 4.77 | 2 | 23 | 2 | |
| 486 | 91.31 | 0.42 | 0.30 | 91.32 | 0.43 | 0.27 | 34.67 | 0.53 | H | + 9.0 | 5.23 | 1 | 31 | | |
| 484 | 90.96 | 0.73 | 0.23 | 91.24 | 0.50 | 0.23 | 16.11 | 0.88 | H | - 17.8 | 3.39 | 2 | 23 | 2 | |
| 488 | 91.34 | 0.71 | 0.22 | 91.61 | 0.54 | 0.23 | 31.90 | 0.87 | H | - 14.6 | 2.85 | 1 | 35 | | |
| 1337 | 91.60 | 0.47 | 0.32 | 90.90 | 0.46 | 0.32 | 11.55 | 0.67 | H | - 13.0 | 5.20 | | 29 | 2 | |
| 1340 | 91.31 | 0.44 | 0.44 | 91.86 | 0.37 | 0.39 | 10.06 | 0.65 | H | + 22.0 | 5.70 | | 11 | 1 | 3 |
| 491 | 91.63 | 0.54 | 0.31 | 91.08 | 0.50 | 0.31 | 16.12 | 0.81 | H | + 0.0 | 5.91 | | 13 | | |
| 492 | 91.14 | 0.53 | 0.27 | 90.74 | 0.39 | 0.24 | 109.23 | 0.72 | H | + 5.2 | 4.23 | | 25 | 2 | |
| 1342 | 90.76 | 0.68 | 0.42 | 90.74 | 0.44 | 0.33 | 13.21 | 0.76 | H | + 12.9 | 5.10 | | 39 | | |
| 494 | 91.14 | 0.31 | 0.25 | 91.04 | 0.41 | 0.28 | 11.39 | 0.69 | H | + 7.5 | 4.72 | 1 | 19 | | 1 |
| 1344 | 91.02 | 0.60 | 0.33 | 91.34 | 0.47 | 0.29 | 6.03 | 0.73 | H | - 26.8 | 4.78 | 2 | 23 | 2 | |
| 1345 | 91.15 | 0.63 | 0.34 | 91.18 | 0.44 | 0.28 | 117.30 | 0.71 | H | - 8.1 | 4.74 | | 29 | 2 | |
| 495 | 90.86 | 0.61 | 0.32 | 91.24 | 0.44 | 0.31 | 24.69 | 0.70 | H | - 5.4 | 2.99 | | 29 | 2 | |
| 1346 | 91.26 | 0.31 | 0.27 | 91.04 | 0.39 | 0.30 | 4.98 | 0.67 | H | - 20.6 | 5.60 | | 11 | 1 | 3 |
| 496 | 91.19 | 0.52 | 0.41 | 90.74 | 0.44 | 0.37 | 55.64 | 0.74 | H | + 0.1 | 2.75 | | 21 | 2 | |
| 1348 | 90.69 | 0.76 | 0.33 | 90.96 | 0.44 | 0.29 | 6.46 | 0.82 | H | - 28.6 | 5.27 | 1 | 19 | | 1 |
| 1350 | 90.99 | 0.59 | 0.42 | 90.90 | 0.50 | 0.39 | 2.96 | 0.91 | H | - 5.1 | 6.94 | | 11 | 1 | 3 |
| 1349 | 91.13 | 0.61 | 0.34 | 90.91 | 0.43 | 0.30 | 55.22 | 0.73 | H | + 4.7 | 4.97 | | 19 | 1 | 1 |
| 1351 | 91.10 | 0.60 | 0.36 | 90.68 | 0.47 | 0.37 | 17.79 | 0.80 | H | - 11.9 | 4.92 | 1 | 39 | | |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------------|--|---------|---------|----------|--------------------------------------|---------|---------|----------|
| FK6 No. | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 453 | + 0.83 | - 0.78 | - 0.78 | + 3.39 | + 6.48 | - 6.27 | - 6.80 | + 49.98 |
| 1314 | + 8.98 | - 0.10 | - 0.36 | + 104.71 | + 4.77 | - 2.64 | - 3.34 | + 57.52 |
| 455 | + 0.72 | - 1.49 | - 1.75 | - 12.98 | + 5.97 | - 2.58 | - 3.02 | + 93.39 |
| 456 | - 17.43 | - 1.67 | - 1.66 | - 62.90 | - 4.69 | - 2.03 | - 2.12 | - 23.05 |
| 457 | - 17.01 | - 1.86 | - 1.94 | - 91.61 | + 3.10 | + 3.29 | + 3.46 | + 34.91 |
| 459 | - 10.01 | + 3.27 | + 3.62 | - 74.55 | + 9.68 | - 9.89 | - 10.84 | + 27.31 |
| 1316 | + 9.00 | + 0.19 | + 0.16 | + 91.19 | - 7.97 | + 2.71 | + 3.32 | - 64.18 |
| 1317 | + 12.65 | - 3.68 | - 4.56 | + 86.69 | - 11.09 | + 4.89 | + 5.40 | - 98.39 |
| 1319 | + 3.37 | + 0.93 | + 1.67 | + 64.78 | + 2.29 | - 5.86 | - 8.02 | - 120.80 |
| 461 | - 6.96 | - 0.91 | - 0.91 | - 29.24 | - 0.95 | - 8.75 | - 9.27 | - 33.88 |
| 463 | - 0.64 | + 4.11 | + 5.75 | + 22.11 | + 10.53 | - 4.88 | - 6.44 | + 148.16 |
| 464 | + 6.23 | - 1.91 | - 2.52 | + 74.35 | - 2.71 | - 0.18 | - 0.27 | - 75.81 |
| 1320 | + 13.96 | - 18.70 | - 23.86 | + 2.59 | + 0.45 | - 7.49 | - 9.04 | - 316.69 |
| 466 | - 10.19 | - 4.02 | - 4.64 | - 49.08 | - 2.44 | + 3.12 | + 3.47 | - 12.95 |
| 468 | - 4.23 | - 0.33 | - 0.33 | - 25.49 | + 12.33 | - 2.71 | - 2.88 | + 109.28 |
| 469 | - 2.60 | + 1.47 | + 1.64 | - 0.22 | + 5.83 | - 0.78 | - 0.87 | + 109.90 |
| 1321 | - 0.28 | - 8.60 | - 9.71 | - 16.18 | + 4.37 | + 2.95 | + 3.37 | + 46.31 |
| 1322 | - 12.63 | - 3.01 | - 3.28 | - 98.86 | - 6.40 | + 1.90 | + 2.16 | - 62.52 |
| 471 | + 0.91 | - 11.66 | - 12.88 | + 2.92 | + 8.42 | - 0.66 | - 0.66 | + 68.27 |
| 1324 | - 0.39 | + 4.42 | + 4.96 | + 0.30 | + 12.28 | - 0.31 | - 0.59 | + 104.27 |
| 475 | + 13.50 | - 2.36 | - 2.62 | + 68.99 | - 8.68 | - 6.99 | - 7.34 | - 107.09 |
| 1325 | + 3.38 | - 1.29 | - 2.05 | + 39.89 | - 6.86 | + 2.17 | + 3.20 | - 26.20 |
| 478 | - 6.52 | + 2.70 | + 3.13 | - 54.19 | - 3.35 | - 3.38 | - 3.82 | - 72.62 |
| 1326 | + 17.30 | + 4.43 | + 4.59 | + 62.97 | - 5.64 | + 5.09 | + 5.35 | - 20.21 |
| 479 | + 3.08 | - 7.88 | - 9.64 | - 2.15 | + 4.67 | + 0.37 | + 0.69 | + 48.24 |
| 1327 | + 6.01 | + 6.10 | + 7.63 | + 100.00 | + 1.16 | - 0.51 | - 0.52 | + 6.92 |
| 1330 | + 11.98 | - 7.19 | - 9.47 | + 102.45 | - 0.01 | + 1.90 | + 2.50 | + 3.24 |
| 1329 | + 1.91 | + 3.17 | + 4.68 | + 92.73 | + 5.61 | - 3.17 | - 4.55 | + 79.25 |
| 1332 | + 0.43 | + 15.92 | + 20.52 | + 2.28 | - 2.77 | - 5.27 | - 6.70 | - 21.45 |
| 1333 | - 1.29 | + 0.56 | + 1.35 | - 38.36 | - 3.31 | + 2.30 | + 3.81 | - 90.73 |
| 482 | - 37.18 | + 12.87 | + 14.42 | - 206.56 | + 1.68 | - 5.73 | - 6.25 | - 68.73 |
| 1335 | - 1.04 | + 37.29 | + 46.56 | + 17.72 | + 13.23 | - 11.42 | - 14.56 | + 179.03 |
| 486 | - 3.52 | - 1.04 | - 1.03 | - 17.36 | - 0.88 | - 3.11 | - 3.20 | - 12.98 |
| 484 | + 16.77 | - 14.82 | - 17.46 | + 82.45 | - 4.29 | + 3.10 | + 3.95 | - 31.79 |
| 488 | + 14.65 | - 6.80 | - 7.75 | + 38.96 | + 5.18 | + 3.05 | + 3.39 | + 21.14 |
| 1337 | + 30.15 | - 17.96 | - 19.95 | + 134.11 | + 5.19 | - 2.28 | - 2.44 | + 32.13 |
| 1340 | - 2.82 | + 1.84 | + 2.28 | - 8.93 | - 7.14 | + 1.33 | + 1.66 | - 141.91 |
| 491 | - 2.59 | - 7.88 | - 8.64 | - 21.61 | - 7.02 | + 3.23 | + 3.51 | - 54.84 |
| 492 | + 4.43 | - 6.72 | - 7.09 | + 12.15 | + 2.80 | + 7.65 | + 7.93 | + 16.43 |
| 1342 | + 5.61 | + 8.80 | + 10.09 | + 78.89 | + 4.61 | - 3.63 | - 3.90 | + 17.94 |
| 494 | + 0.96 | + 1.17 | + 1.18 | + 8.64 | + 6.96 | - 3.52 | - 3.79 | + 47.88 |
| 1344 | + 12.95 | + 1.19 | + 2.66 | + 77.33 | + 9.77 | - 14.54 | - 17.13 | + 6.86 |
| 1345 | + 4.47 | - 9.95 | - 10.66 | + 12.10 | - 32.41 | + 2.68 | + 2.94 | - 215.75 |
| 495 | - 7.56 | + 14.82 | + 16.09 | - 21.96 | - 29.67 | + 11.40 | + 11.81 | - 161.30 |
| 1346 | - 1.86 | + 3.31 | + 3.74 | + 3.16 | + 1.26 | + 1.83 | + 2.19 | + 42.14 |
| 496 | + 13.94 | + 5.66 | + 6.30 | + 65.99 | + 15.80 | - 11.95 | - 12.88 | + 77.84 |
| 1348 | - 1.64 | + 3.22 | + 4.59 | - 16.53 | - 0.31 | - 5.10 | - 5.81 | - 46.86 |
| 1350 | + 2.50 | + 1.14 | + 1.46 | + 77.75 | - 1.67 | + 2.87 | + 4.22 | + 10.12 |
| 1349 | - 1.70 | + 7.14 | + 7.76 | - 2.94 | - 16.47 | - 1.46 | - 1.64 | - 73.51 |
| 1351 | + 5.12 | + 2.32 | + 2.78 | + 18.94 | - 4.35 | - 7.51 | - 8.35 | - 65.34 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|---|--------|--------|--------|---------|---|--------|--------|--------|---------|
| FK6 | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| No. | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 453 | + 0.06 | - 0.09 | - 0.09 | + 0.10 | + 0.05 | + 0.44 | - 0.71 | - 0.77 | + 0.98 | + 0.22 |
| 1314 | + 0.11 | - 0.01 | - 0.04 | + 1.89 | - 1.23 | + 0.28 | - 0.30 | - 0.38 | + 1.12 | - 0.15 |
| 455 | + 0.21 | - 0.17 | - 0.20 | + 0.03 | + 0.40 | + 0.36 | - 0.29 | - 0.34 | + 1.55 | - 0.15 |
| 456 | - 0.21 | - 0.19 | - 0.19 | - 0.88 | + 0.53 | - 0.01 | - 0.23 | - 0.24 | - 0.21 | + 0.19 |
| 457 | - 0.22 | - 0.21 | - 0.22 | - 1.17 | + 0.48 | - 0.07 | + 0.38 | + 0.40 | + 0.30 | - 0.25 |
| 459 | - 0.61 | + 0.38 | + 0.42 | - 1.53 | - 0.03 | + 1.12 | - 1.14 | - 1.25 | + 1.42 | + 1.14 |
| 1316 | + 0.22 | + 0.03 | + 0.03 | + 1.97 | - 0.88 | - 0.57 | + 0.31 | + 0.38 | - 1.64 | + 0.05 |
| 1317 | + 0.23 | - 0.42 | - 0.52 | + 1.38 | - 0.53 | - 0.44 | + 0.57 | + 0.63 | - 1.58 | + 0.13 |
| 1319 | + 0.11 | + 0.13 | + 0.22 | + 1.26 | - 0.56 | + 0.69 | - 0.68 | - 0.93 | - 1.08 | + 1.95 |
| 461 | - 0.06 | - 0.12 | - 0.12 | - 0.41 | + 0.33 | + 0.53 | - 1.01 | - 1.07 | + 0.12 | + 0.89 |
| 463 | - 0.23 | + 0.48 | + 0.67 | + 0.05 | - 0.67 | + 0.97 | - 0.56 | - 0.74 | + 3.14 | + 0.29 |
| 464 | + 0.41 | - 0.22 | - 0.29 | + 1.67 | - 0.24 | - 0.10 | - 0.02 | - 0.03 | - 1.15 | + 0.44 |
| 1320 | + 2.11 | - 2.03 | - 2.59 | + 2.45 | + 3.08 | + 1.23 | - 0.83 | - 1.00 | - 2.82 | + 3.95 |
| 466 | - 0.12 | - 0.46 | - 0.53 | - 0.74 | + 0.45 | - 0.15 | + 0.35 | + 0.39 | - 0.31 | - 0.07 |
| 468 | - 0.16 | - 0.04 | - 0.04 | - 0.51 | + 0.15 | + 0.59 | - 0.31 | - 0.33 | + 1.89 | - 0.14 |
| 469 | - 0.36 | + 0.17 | + 0.19 | - 0.36 | - 0.46 | + 0.24 | - 0.09 | - 0.10 | + 1.68 | - 0.44 |
| 1321 | + 0.38 | - 1.01 | - 1.14 | + 0.12 | + 0.68 | - 0.03 | + 0.35 | + 0.40 | + 0.65 | - 0.45 |
| 1322 | - 0.13 | - 0.35 | - 0.38 | - 1.76 | + 1.01 | - 0.33 | + 0.21 | + 0.24 | - 1.29 | + 0.18 |
| 471 | + 0.14 | - 1.33 | - 1.47 | + 0.18 | + 0.16 | + 0.11 | - 0.07 | - 0.07 | + 0.75 | - 0.24 |
| 1324 | - 0.13 | + 0.49 | + 0.55 | - 0.13 | - 0.17 | + 0.06 | - 0.03 | - 0.06 | + 1.25 | - 0.67 |
| 475 | + 0.40 | - 0.28 | - 0.31 | + 1.27 | - 0.20 | + 0.22 | - 0.79 | - 0.83 | - 1.01 | + 0.86 |
| 1325 | + 0.34 | - 0.15 | - 0.24 | + 1.26 | + 0.16 | - 0.84 | + 0.25 | + 0.37 | - 1.53 | - 1.16 |
| 478 | - 0.30 | + 0.31 | + 0.36 | - 1.07 | + 0.16 | + 0.12 | - 0.38 | - 0.43 | - 0.73 | + 0.67 |
| 1326 | + 0.17 | + 0.54 | + 0.56 | + 0.93 | - 0.64 | - 0.31 | + 0.60 | + 0.63 | - 0.52 | - 0.19 |
| 479 | + 0.52 | - 0.89 | - 1.09 | + 0.53 | + 0.73 | + 0.39 | + 0.06 | + 0.10 | + 1.05 | + 0.12 |
| 1327 | - 0.24 | + 0.68 | + 0.85 | + 1.50 | - 1.66 | + 0.13 | - 0.05 | - 0.05 | + 0.24 | + 0.11 |
| 1330 | + 0.31 | - 0.81 | - 1.07 | + 1.68 | - 0.64 | - 0.04 | + 0.22 | + 0.29 | - 0.01 | - 0.08 |
| 1329 | - 0.15 | + 0.36 | + 0.53 | + 1.43 | - 1.19 | + 0.53 | - 0.39 | - 0.56 | + 1.95 | + 0.22 |
| 1332 | - 0.14 | + 1.84 | + 2.37 | - 0.16 | - 0.27 | + 0.02 | - 0.63 | - 0.80 | - 0.22 | + 0.22 |
| 1333 | - 0.06 | + 0.06 | + 0.15 | - 0.76 | + 0.30 | - 0.26 | + 0.26 | + 0.43 | - 1.75 | + 0.31 |
| 482 | - 2.08 | + 1.49 | + 1.67 | - 5.05 | + 0.22 | + 0.89 | - 0.67 | - 0.73 | + 0.05 | + 1.68 |
| 1335 | - 0.70 | + 4.23 | + 5.28 | - 0.61 | - 1.16 | + 0.29 | - 1.35 | - 1.72 | + 2.26 | - 0.67 |
| 486 | + 0.01 | - 0.12 | - 0.12 | - 0.20 | + 0.22 | + 0.17 | - 0.36 | - 0.37 | + 0.02 | + 0.28 |
| 484 | + 0.33 | - 1.67 | - 1.97 | + 1.19 | - 0.23 | - 0.03 | + 0.37 | + 0.47 | - 0.34 | + 0.14 |
| 488 | + 0.26 | - 0.79 | - 0.90 | + 0.62 | - 0.18 | + 0.03 | + 0.36 | + 0.40 | + 0.22 | - 0.15 |
| 1337 | + 1.68 | - 2.15 | - 2.39 | + 3.61 | + 0.38 | + 0.33 | - 0.28 | - 0.30 | + 0.73 | + 0.12 |
| 1340 | - 0.34 | + 0.21 | + 0.26 | - 0.52 | - 0.38 | - 0.38 | + 0.16 | + 0.20 | - 2.41 | + 0.60 |
| 491 | + 0.18 | - 0.94 | - 1.03 | - 0.09 | + 0.45 | - 0.25 | + 0.35 | + 0.38 | - 0.87 | + 0.12 |
| 492 | + 0.18 | - 0.74 | - 0.78 | + 0.31 | + 0.05 | - 0.22 | + 0.82 | + 0.85 | - 0.07 | - 0.39 |
| 1342 | - 0.35 | + 0.96 | + 1.10 | + 0.68 | - 1.37 | + 0.52 | - 0.40 | - 0.43 | + 0.73 | + 0.51 |
| 494 | - 0.12 | + 0.13 | + 0.13 | + 0.00 | - 0.26 | + 0.27 | - 0.39 | - 0.42 | + 0.82 | - 0.08 |
| 1344 | + 0.79 | + 0.17 | + 0.34 | + 1.94 | + 0.03 | + 1.34 | - 1.69 | - 1.99 | + 1.46 | + 1.61 |
| 1345 | + 0.39 | - 1.13 | - 1.21 | + 0.52 | + 0.33 | - 0.46 | + 0.30 | + 0.33 | - 2.73 | + 1.02 |
| 495 | - 0.70 | + 1.68 | + 1.82 | - 0.95 | - 0.64 | - 1.86 | + 1.35 | + 1.40 | - 3.71 | - 0.99 |
| 1346 | - 0.33 | + 0.38 | + 0.43 | - 0.29 | - 0.47 | - 0.09 | + 0.21 | + 0.25 | + 0.49 | - 0.44 |
| 496 | + 0.29 | + 0.60 | + 0.67 | + 1.06 | - 0.67 | + 1.29 | - 1.29 | - 1.39 | + 2.15 | + 0.88 |
| 1348 | - 0.05 | + 0.36 | + 0.51 | - 0.28 | + 0.08 | + 0.33 | - 0.57 | - 0.65 | - 0.24 | + 0.73 |
| 1350 | - 0.02 | + 0.14 | + 0.18 | + 1.34 | - 0.75 | - 0.28 | + 0.32 | + 0.47 | - 0.20 | - 0.54 |
| 1349 | - 0.24 | + 0.81 | + 0.88 | - 0.27 | - 0.26 | - 0.31 | - 0.16 | - 0.18 | - 1.11 | + 0.44 |
| 1351 | + 0.24 | + 0.25 | + 0.30 | + 0.52 | + 0.03 | + 0.57 | - 0.81 | - 0.90 | - 0.35 | + 1.47 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------|------------|-------|-------|-------|--------------------------------|------|------|-------|--|------|------|------|---------|
| FK6 | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu, \alpha^*}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 453 | 74.38 | 91.05 | 91.05 | 42.72 | 9.67 | 0.61 | 0.61 | 16.40 | 0.32 | 0.64 | 0.68 | 0.51 | 0.34 |
| 1314 | 85.25 | 91.23 | 91.23 | 63.05 | 8.50 | 0.44 | 0.44 | 18.43 | 0.53 | 0.49 | 0.51 | 0.84 | 0.65 |
| 455 | 85.43 | 91.21 | 91.21 | 54.84 | 10.16 | 0.40 | 0.40 | 25.40 | 0.56 | 0.42 | 0.43 | 0.90 | 0.70 |
| 456 | 70.26 | 91.06 | 91.06 | 52.10 | 11.53 | 0.41 | 0.41 | 15.74 | 0.40 | 0.55 | 0.56 | 0.56 | 0.40 |
| 457 | 69.70 | 91.28 | 91.28 | 41.96 | 11.08 | 0.63 | 0.63 | 16.76 | 0.34 | 0.64 | 0.66 | 0.53 | 0.34 |
| 459 | 83.28 | 91.08 | 91.08 | 50.61 | 11.22 | 0.45 | 0.45 | 25.36 | 0.51 | 0.55 | 0.57 | 0.81 | 0.63 |
| 1316 | 84.76 | 91.35 | 91.35 | 65.24 | 8.20 | 0.41 | 0.41 | 16.41 | 0.54 | 0.45 | 0.47 | 0.90 | 0.63 |
| 1317 | 77.27 | 91.13 | 91.13 | 52.25 | 9.83 | 0.77 | 0.77 | 16.43 | 0.40 | 0.71 | 0.75 | 0.63 | 0.42 |
| 1319 | 87.27 | 90.96 | 90.96 | 61.49 | 7.99 | 0.74 | 0.74 | 22.03 | 0.59 | 0.73 | 0.83 | 1.05 | 0.75 |
| 461 | 74.44 | 91.55 | 91.55 | 56.10 | 9.64 | 0.47 | 0.47 | 13.93 | 0.37 | 0.55 | 0.57 | 0.52 | 0.39 |
| 463 | 87.86 | 91.17 | 91.17 | 61.09 | 8.98 | 0.59 | 0.59 | 26.85 | 0.67 | 0.62 | 0.66 | 1.15 | 0.89 |
| 464 | 87.23 | 91.28 | 91.28 | 60.00 | 9.49 | 0.47 | 0.47 | 26.45 | 0.66 | 0.53 | 0.56 | 1.12 | 0.85 |
| 1320 | 87.21 | 90.80 | 90.80 | 59.37 | 9.68 | 0.55 | 0.55 | 27.32 | 0.65 | 0.60 | 0.63 | 1.04 | 0.87 |
| 466 | 75.40 | 91.32 | 91.32 | 55.51 | 9.57 | 0.67 | 0.67 | 14.37 | 0.39 | 0.82 | 0.88 | 0.57 | 0.40 |
| 468 | 81.97 | 91.18 | 91.18 | 59.09 | 14.14 | 0.39 | 0.39 | 26.32 | 0.68 | 0.53 | 0.54 | 1.01 | 0.82 |
| 469 | 85.72 | 91.22 | 91.22 | 59.84 | 10.57 | 0.42 | 0.42 | 25.19 | 0.63 | 0.44 | 0.45 | 1.02 | 0.80 |
| 1321 | 79.22 | 91.46 | 91.46 | 61.06 | 11.58 | 0.67 | 0.67 | 18.34 | 0.58 | 0.70 | 0.73 | 0.92 | 0.60 |
| 1322 | 81.24 | 91.36 | 91.36 | 61.25 | 10.29 | 0.66 | 0.66 | 17.80 | 0.54 | 0.71 | 0.75 | 0.87 | 0.59 |
| 471 | 67.44 | 91.23 | 91.23 | 35.82 | 11.65 | 0.66 | 0.66 | 17.77 | 0.32 | 0.77 | 0.81 | 0.49 | 0.32 |
| 1324 | 73.26 | 90.97 | 90.97 | 53.50 | 9.71 | 0.68 | 0.68 | 14.07 | 0.37 | 0.63 | 0.66 | 0.54 | 0.38 |
| 475 | 74.81 | 91.01 | 91.01 | 51.87 | 8.96 | 0.74 | 0.74 | 13.88 | 0.35 | 0.67 | 0.72 | 0.54 | 0.36 |
| 1325 | 89.24 | 91.53 | 91.53 | 65.24 | 7.42 | 0.53 | 0.53 | 26.38 | 0.73 | 0.58 | 0.63 | 1.43 | 1.00 |
| 478 | 82.67 | 91.42 | 91.42 | 54.62 | 7.85 | 0.39 | 0.39 | 16.21 | 0.38 | 0.39 | 0.40 | 0.62 | 0.44 |
| 1326 | 71.70 | 91.40 | 91.40 | 56.31 | 10.57 | 0.72 | 0.72 | 14.13 | 0.42 | 0.77 | 0.80 | 0.59 | 0.40 |
| 479 | 84.62 | 91.19 | 91.19 | 56.99 | 9.60 | 0.61 | 0.61 | 21.83 | 0.53 | 0.66 | 0.71 | 0.86 | 0.64 |
| 1327 | 85.51 | 90.99 | 90.99 | 63.65 | 7.27 | 0.53 | 0.53 | 15.99 | 0.48 | 0.55 | 0.60 | 0.79 | 0.59 |
| 1330 | 81.35 | 91.20 | 91.20 | 53.37 | 7.77 | 0.71 | 0.71 | 15.20 | 0.34 | 0.65 | 0.72 | 0.53 | 0.40 |
| 1329 | 88.07 | 90.97 | 90.97 | 60.39 | 7.10 | 0.65 | 0.65 | 22.29 | 0.57 | 0.60 | 0.66 | 1.05 | 0.73 |
| 1332 | 77.14 | 91.32 | 91.32 | 57.43 | 9.09 | 0.67 | 0.67 | 14.07 | 0.38 | 0.90 | 1.01 | 0.53 | 0.42 |
| 1333 | 88.93 | 91.10 | 91.10 | 61.28 | 4.98 | 0.75 | 0.75 | 18.20 | 0.47 | 0.72 | 1.05 | 0.82 | 0.61 |
| 482 | 83.08 | 91.39 | 91.39 | 60.48 | 12.87 | 0.46 | 0.46 | 24.97 | 0.66 | 0.55 | 0.56 | 0.97 | 0.81 |
| 1335 | 80.38 | 91.15 | 91.15 | 49.09 | 9.01 | 0.72 | 0.72 | 17.76 | 0.37 | 0.71 | 0.78 | 0.60 | 0.42 |
| 486 | 73.93 | 91.33 | 91.33 | 53.83 | 12.17 | 0.42 | 0.42 | 17.89 | 0.46 | 0.45 | 0.46 | 0.67 | 0.48 |
| 484 | 66.36 | 91.17 | 91.17 | 40.91 | 9.88 | 0.75 | 0.75 | 14.05 | 0.30 | 0.83 | 0.89 | 0.46 | 0.28 |
| 488 | 63.64 | 91.46 | 91.46 | 49.81 | 9.48 | 0.72 | 0.72 | 11.61 | 0.32 | 0.80 | 0.84 | 0.43 | 0.28 |
| 1337 | 79.81 | 91.62 | 91.62 | 59.54 | 9.84 | 0.47 | 0.47 | 16.37 | 0.46 | 0.51 | 0.52 | 0.70 | 0.51 |
| 1340 | 87.13 | 91.31 | 91.31 | 61.27 | 10.81 | 0.44 | 0.44 | 29.17 | 0.75 | 0.52 | 0.54 | 1.26 | 0.97 |
| 491 | 75.39 | 91.67 | 91.67 | 52.73 | 10.65 | 0.54 | 0.54 | 16.58 | 0.41 | 0.64 | 0.67 | 0.62 | 0.43 |
| 492 | 67.43 | 91.18 | 91.18 | 53.27 | 10.94 | 0.54 | 0.54 | 13.81 | 0.38 | 0.62 | 0.63 | 0.50 | 0.36 |
| 1342 | 82.79 | 90.79 | 90.79 | 55.30 | 11.35 | 0.68 | 0.68 | 23.43 | 0.54 | 0.70 | 0.74 | 0.83 | 0.66 |
| 494 | 76.95 | 91.17 | 91.17 | 58.38 | 9.20 | 0.31 | 0.31 | 13.94 | 0.39 | 0.36 | 0.37 | 0.56 | 0.43 |
| 1344 | 82.86 | 91.12 | 91.12 | 59.51 | 7.97 | 0.60 | 0.60 | 15.51 | 0.42 | 0.62 | 0.69 | 0.67 | 0.49 |
| 1345 | 73.44 | 91.18 | 91.18 | 51.00 | 13.39 | 0.63 | 0.63 | 20.13 | 0.46 | 0.65 | 0.67 | 0.64 | 0.50 |
| 495 | 72.67 | 90.87 | 90.87 | 50.16 | 11.57 | 0.61 | 0.61 | 17.21 | 0.42 | 0.80 | 0.84 | 0.64 | 0.42 |
| 1346 | 83.68 | 91.27 | 91.27 | 60.24 | 7.37 | 0.31 | 0.31 | 14.91 | 0.40 | 0.37 | 0.38 | 0.64 | 0.48 |
| 496 | 79.72 | 91.15 | 91.15 | 58.66 | 14.02 | 0.54 | 0.54 | 23.58 | 0.60 | 0.65 | 0.67 | 0.82 | 0.73 |
| 1348 | 81.54 | 90.78 | 90.78 | 53.22 | 8.30 | 0.76 | 0.76 | 16.51 | 0.38 | 0.78 | 0.88 | 0.60 | 0.44 |
| 1350 | 87.36 | 91.00 | 91.00 | 59.57 | 6.20 | 0.60 | 0.60 | 17.90 | 0.47 | 0.74 | 0.93 | 0.85 | 0.57 |
| 1349 | 73.69 | 91.14 | 91.14 | 59.71 | 11.61 | 0.61 | 0.61 | 15.56 | 0.47 | 0.74 | 0.77 | 0.63 | 0.50 |
| 1351 | 78.03 | 91.10 | 91.10 | 62.27 | 10.57 | 0.60 | 0.60 | 15.65 | 0.54 | 0.62 | 0.65 | 0.83 | 0.54 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 453 | 78.80 | 91.15 | 91.15 | 36.50 | 10.51 | 0.43 | 0.43 | 22.05 | 0.37 | 0.46 | 0.47 | 0.64 | 0.40 |
| 1314 | 85.85 | 91.25 | 91.25 | 53.59 | 8.87 | 0.46 | 0.46 | 23.41 | 0.50 | 0.54 | 0.57 | 0.84 | 0.62 |
| 455 | 85.59 | 91.13 | 91.13 | 44.14 | 10.40 | 0.43 | 0.43 | 30.03 | 0.53 | 0.47 | 0.49 | 0.96 | 0.64 |
| 456 | 67.48 | 91.02 | 91.02 | 37.61 | 12.63 | 0.45 | 0.45 | 18.97 | 0.34 | 0.53 | 0.54 | 0.49 | 0.36 |
| 457 | 70.86 | 91.32 | 91.32 | 32.52 | 11.93 | 0.49 | 0.49 | 20.25 | 0.35 | 0.52 | 0.54 | 0.63 | 0.34 |
| 459 | 83.09 | 91.25 | 91.25 | 37.43 | 11.52 | 0.43 | 0.43 | 29.60 | 0.47 | 0.48 | 0.49 | 0.83 | 0.55 |
| 1316 | 86.43 | 91.30 | 91.30 | 61.76 | 8.66 | 0.45 | 0.45 | 21.43 | 0.56 | 0.43 | 0.45 | 0.90 | 0.73 |
| 1317 | 78.54 | 91.44 | 91.44 | 41.72 | 10.57 | 0.44 | 0.44 | 20.85 | 0.39 | 0.45 | 0.46 | 0.66 | 0.42 |
| 1319 | 88.25 | 91.35 | 91.35 | 54.54 | 8.21 | 0.65 | 0.65 | 28.66 | 0.62 | 0.57 | 0.62 | 1.18 | 0.78 |
| 461 | 75.53 | 91.31 | 91.31 | 45.96 | 10.78 | 0.42 | 0.42 | 18.30 | 0.38 | 0.42 | 0.43 | 0.60 | 0.40 |
| 463 | 88.28 | 91.19 | 91.19 | 48.97 | 9.19 | 0.52 | 0.52 | 34.70 | 0.64 | 0.47 | 0.49 | 1.19 | 0.82 |
| 464 | 87.84 | 91.42 | 91.42 | 49.88 | 9.74 | 0.49 | 0.49 | 33.83 | 0.64 | 0.53 | 0.55 | 1.18 | 0.81 |
| 1320 | 87.55 | 91.26 | 91.26 | 48.16 | 9.88 | 0.44 | 0.44 | 33.73 | 0.62 | 0.45 | 0.46 | 1.09 | 0.78 |
| 466 | 75.93 | 91.17 | 91.17 | 48.58 | 10.26 | 0.47 | 0.47 | 17.13 | 0.39 | 0.50 | 0.52 | 0.63 | 0.40 |
| 468 | 81.42 | 91.26 | 91.26 | 45.61 | 14.85 | 0.42 | 0.42 | 31.99 | 0.61 | 0.46 | 0.47 | 1.01 | 0.70 |
| 469 | 85.76 | 91.04 | 91.04 | 46.37 | 10.91 | 0.42 | 0.42 | 31.24 | 0.58 | 0.47 | 0.48 | 1.05 | 0.70 |
| 1321 | 80.27 | 91.56 | 91.56 | 54.58 | 12.49 | 0.49 | 0.49 | 22.83 | 0.58 | 0.48 | 0.49 | 0.97 | 0.62 |
| 1322 | 84.16 | 91.15 | 91.15 | 56.34 | 11.24 | 0.46 | 0.46 | 24.95 | 0.61 | 0.49 | 0.50 | 1.03 | 0.72 |
| 471 | 69.92 | 91.36 | 91.36 | 28.91 | 12.50 | 0.57 | 0.57 | 21.37 | 0.34 | 0.50 | 0.51 | 0.57 | 0.34 |
| 1324 | 74.97 | 90.97 | 90.97 | 42.46 | 10.95 | 0.50 | 0.50 | 18.95 | 0.37 | 0.50 | 0.52 | 0.61 | 0.39 |
| 475 | 74.51 | 90.94 | 90.94 | 38.56 | 9.69 | 0.56 | 0.56 | 17.20 | 0.32 | 0.52 | 0.55 | 0.57 | 0.33 |
| 1325 | 89.70 | 91.38 | 91.38 | 56.17 | 7.55 | 0.44 | 0.44 | 35.72 | 0.72 | 0.44 | 0.46 | 1.44 | 1.01 |
| 478 | 83.34 | 91.16 | 91.16 | 44.02 | 8.19 | 0.44 | 0.44 | 20.02 | 0.36 | 0.45 | 0.47 | 0.60 | 0.42 |
| 1326 | 68.42 | 91.38 | 91.38 | 44.64 | 11.37 | 0.50 | 0.50 | 16.25 | 0.37 | 0.47 | 0.48 | 0.58 | 0.35 |
| 479 | 86.13 | 91.25 | 91.25 | 49.17 | 10.01 | 0.47 | 0.47 | 28.70 | 0.57 | 0.42 | 0.44 | 1.03 | 0.68 |
| 1327 | 87.11 | 91.07 | 91.07 | 54.33 | 7.69 | 0.46 | 0.46 | 23.03 | 0.49 | 0.53 | 0.57 | 0.85 | 0.63 |
| 1330 | 82.12 | 91.46 | 91.46 | 45.58 | 8.08 | 0.52 | 0.52 | 18.05 | 0.34 | 0.44 | 0.46 | 0.58 | 0.39 |
| 1329 | 88.89 | 91.82 | 91.82 | 55.23 | 7.22 | 0.51 | 0.51 | 27.76 | 0.59 | 0.49 | 0.52 | 1.17 | 0.76 |
| 1332 | 75.74 | 91.43 | 91.43 | 46.76 | 9.61 | 0.57 | 0.57 | 16.27 | 0.34 | 0.61 | 0.65 | 0.53 | 0.36 |
| 1333 | 89.33 | 91.16 | 91.16 | 54.57 | 5.01 | 0.51 | 0.51 | 22.00 | 0.44 | 0.46 | 0.53 | 0.83 | 0.60 |
| 482 | 83.67 | 91.65 | 91.65 | 49.43 | 13.58 | 0.43 | 0.43 | 31.88 | 0.61 | 0.42 | 0.43 | 0.96 | 0.76 |
| 1335 | 80.55 | 91.27 | 91.27 | 37.11 | 9.36 | 0.53 | 0.53 | 21.06 | 0.34 | 0.48 | 0.50 | 0.59 | 0.39 |
| 486 | 71.07 | 91.34 | 91.34 | 41.37 | 12.82 | 0.43 | 0.43 | 20.15 | 0.40 | 0.45 | 0.46 | 0.63 | 0.40 |
| 484 | 68.08 | 91.34 | 91.34 | 31.48 | 10.86 | 0.51 | 0.51 | 17.44 | 0.30 | 0.56 | 0.58 | 0.49 | 0.29 |
| 488 | 64.16 | 91.63 | 91.63 | 39.84 | 11.28 | 0.54 | 0.54 | 15.53 | 0.31 | 0.55 | 0.56 | 0.46 | 0.30 |
| 1337 | 81.34 | 90.91 | 90.91 | 49.72 | 10.74 | 0.46 | 0.46 | 22.00 | 0.46 | 0.47 | 0.48 | 0.74 | 0.53 |
| 1340 | 87.48 | 91.85 | 91.85 | 51.24 | 11.07 | 0.38 | 0.38 | 35.96 | 0.71 | 0.46 | 0.47 | 1.28 | 0.89 |
| 491 | 77.80 | 91.11 | 91.11 | 43.44 | 11.77 | 0.50 | 0.50 | 22.19 | 0.42 | 0.52 | 0.53 | 0.68 | 0.47 |
| 492 | 64.40 | 90.75 | 90.75 | 38.94 | 12.49 | 0.40 | 0.40 | 17.44 | 0.35 | 0.45 | 0.46 | 0.52 | 0.34 |
| 1342 | 82.79 | 90.75 | 90.75 | 40.33 | 11.83 | 0.44 | 0.44 | 29.06 | 0.50 | 0.45 | 0.46 | 0.90 | 0.58 |
| 494 | 77.55 | 91.07 | 91.07 | 45.80 | 10.23 | 0.41 | 0.41 | 18.64 | 0.37 | 0.48 | 0.49 | 0.59 | 0.41 |
| 1344 | 83.20 | 91.36 | 91.36 | 52.16 | 8.27 | 0.47 | 0.47 | 18.21 | 0.40 | 0.50 | 0.54 | 0.69 | 0.46 |
| 1345 | 71.99 | 91.19 | 91.19 | 40.05 | 14.16 | 0.44 | 0.44 | 23.10 | 0.44 | 0.42 | 0.42 | 0.70 | 0.45 |
| 495 | 76.47 | 91.12 | 91.12 | 44.15 | 12.93 | 0.45 | 0.45 | 23.09 | 0.47 | 0.50 | 0.52 | 0.79 | 0.49 |
| 1346 | 85.22 | 91.06 | 91.06 | 50.21 | 7.83 | 0.39 | 0.39 | 20.46 | 0.42 | 0.42 | 0.44 | 0.75 | 0.50 |
| 496 | 79.48 | 90.72 | 90.72 | 45.08 | 15.06 | 0.44 | 0.44 | 29.83 | 0.56 | 0.54 | 0.55 | 0.89 | 0.65 |
| 1348 | 83.33 | 91.00 | 91.00 | 44.93 | 8.73 | 0.45 | 0.45 | 21.12 | 0.39 | 0.44 | 0.46 | 0.69 | 0.46 |
| 1350 | 88.33 | 90.85 | 90.85 | 55.84 | 6.33 | 0.52 | 0.52 | 22.33 | 0.50 | 0.53 | 0.59 | 0.94 | 0.64 |
| 1349 | 72.69 | 90.92 | 90.92 | 49.99 | 12.93 | 0.43 | 0.43 | 19.28 | 0.45 | 0.53 | 0.54 | 0.65 | 0.47 |
| 1351 | 80.95 | 90.74 | 90.74 | 56.56 | 12.02 | 0.47 | 0.47 | 22.07 | 0.55 | 0.58 | 0.60 | 0.85 | 0.65 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|------------|-----------|--------|--------|-----------------------|------|------|---------------------------------|-------------------------------|--|--------------------------------------|
| FK6 No. | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ [mas] | $\Delta\delta_{sys}$ [mas] | $\Delta\mu_{\alpha^*,sys}$ [mas/yr] | $\Delta\mu_{\delta,sys}$ [mas/yr] |
| | SI | STP | HIP | SI | STP | HIP | | | | |
| 453 | 10.85 | 10.76 | 10.75 | 0.71 | 0.71 | 0.71 | + 33.68 | - 108.22 | + 0.44 | + 1.20 |
| 1314 | 6.51 | 6.47 | 6.46 | 0.71 | 0.72 | 0.72 | - 8.60 | - 53.30 | + 0.45 | + 1.93 |
| 455 | 9.00 | 8.97 | 8.96 | 0.60 | 0.60 | 0.60 | - 4.53 | - 32.63 | - 4.72 | - 0.07 |
| 456 | 40.08 | 40.05 | 40.05 | 0.59 | 0.60 | 0.60 | + 20.26 | - 58.86 | + 0.79 | + 1.56 |
| 457 | 19.68 | 19.77 | 19.78 | 0.80 | 0.81 | 0.81 | + 40.95 | - 110.49 | - 0.23 | + 1.09 |
| 459 | 12.29 | 12.07 | 12.05 | 0.51 | 0.51 | 0.51 | + 159.53 | - 47.99 | - 7.94 | + 2.83 |
| 1316 | 6.29 | 6.30 | 6.30 | 0.69 | 0.69 | 0.69 | - 14.91 | - 38.29 | + 0.58 | + 2.00 |
| 1317 | 11.43 | 11.43 | 11.43 | 0.82 | 0.82 | 0.82 | - 17.37 | - 95.84 | - 0.24 | - 0.34 |
| 1319 | 4.98 | 5.04 | 5.07 | 0.88 | 0.89 | 0.89 | + 24.71 | - 108.87 | + 1.46 | + 0.58 |
| 461 | 14.32 | 14.35 | 14.35 | 0.60 | 0.60 | 0.60 | + 7.26 | - 49.15 | + 0.07 | + 0.91 |
| 463 | 6.46 | 6.40 | 6.38 | 0.74 | 0.74 | 0.74 | + 0.16 | - 105.02 | + 1.10 | - 0.49 |
| 464 | 7.39 | 7.37 | 7.36 | 0.66 | 0.67 | 0.67 | - 19.95 | - 49.39 | + 0.21 | - 1.17 |
| 1320 | 8.04 | 7.70 | 7.64 | 0.75 | 0.76 | 0.76 | - 19.06 | - 88.14 | + 0.47 | - 1.28 |
| 466 | 12.84 | 12.84 | 12.84 | 0.77 | 0.77 | 0.77 | - 18.94 | - 75.14 | - 0.44 | - 0.01 |
| 468 | 37.17 | 37.10 | 37.09 | 0.67 | 0.67 | 0.67 | - 6.08 | - 40.49 | - 4.26 | - 0.19 |
| 469 | 10.10 | 10.07 | 10.07 | 0.52 | 0.52 | 0.52 | + 86.83 | - 52.09 | - 6.66 | + 1.18 |
| 1321 | 20.36 | 20.56 | 20.58 | 0.79 | 0.80 | 0.80 | + 48.76 | - 114.23 | - 0.21 | + 0.62 |
| 1322 | 12.35 | 12.27 | 12.26 | 0.69 | 0.70 | 0.70 | + 9.10 | - 54.63 | + 0.37 | + 0.36 |
| 471 | 23.05 | 23.31 | 23.34 | 0.78 | 0.80 | 0.80 | + 46.41 | - 110.68 | - 0.31 | + 1.28 |
| 1324 | 14.46 | 14.53 | 14.54 | 0.81 | 0.82 | 0.82 | + 18.42 | - 98.09 | - 0.16 | - 0.05 |
| 475 | 10.15 | 10.24 | 10.24 | 0.86 | 0.88 | 0.88 | + 27.85 | - 105.75 | - 0.18 | + 0.14 |
| 1325 | 3.97 | 4.05 | 4.09 | 0.80 | 0.80 | 0.80 | + 16.43 | - 57.35 | + 0.44 | - 1.38 |
| 478 | 5.58 | 5.61 | 5.61 | 0.53 | 0.53 | 0.53 | - 6.13 | - 45.74 | + 0.23 | + 1.08 |
| 1326 | 27.33 | 27.11 | 27.10 | 0.79 | 0.82 | 0.82 | - 5.99 | - 93.91 | + 0.56 | + 0.16 |
| 479 | 8.19 | 8.22 | 8.22 | 0.72 | 0.72 | 0.72 | + 32.19 | - 111.38 | + 0.85 | + 0.56 |
| 1327 | 4.72 | 4.62 | 4.59 | 0.72 | 0.73 | 0.73 | - 6.83 | - 33.72 | + 0.81 | + 1.66 |
| 1330 | 5.58 | 5.66 | 5.68 | 0.79 | 0.79 | 0.79 | - 11.12 | - 93.86 | - 0.26 | - 0.29 |
| 1329 | 4.09 | 3.91 | 3.82 | 0.80 | 0.82 | 0.83 | + 47.86 | - 112.89 | - 0.23 | + 1.19 |
| 1332 | 11.45 | 10.80 | 10.62 | 0.83 | 0.89 | 0.90 | + 14.52 | - 67.18 | - 0.34 | - 0.06 |
| 1333 | 1.79 | 1.79 | 1.78 | 0.83 | 0.84 | 0.84 | - 20.43 | - 72.98 | - 0.58 | + 0.23 |
| 482 | 20.71 | 20.99 | 21.03 | 0.77 | 0.78 | 0.78 | + 1.50 | - 86.41 | + 0.00 | - 1.25 |
| 1335 | 8.39 | 7.94 | 7.82 | 0.81 | 0.82 | 0.82 | + 37.17 | - 110.95 | - 0.26 | + 0.34 |
| 486 | 34.61 | 34.67 | 34.67 | 0.53 | 0.53 | 0.53 | - 20.30 | - 45.23 | + 0.03 | + 0.99 |
| 484 | 15.66 | 16.03 | 16.11 | 0.83 | 0.87 | 0.88 | - 9.20 | - 93.03 | - 0.25 | - 0.28 |
| 488 | 31.69 | 31.88 | 31.90 | 0.84 | 0.87 | 0.87 | + 0.01 | - 90.22 | + 0.50 | + 0.22 |
| 1337 | 11.46 | 11.54 | 11.55 | 0.67 | 0.67 | 0.67 | - 0.20 | - 47.53 | + 0.33 | + 0.55 |
| 1340 | 10.09 | 10.07 | 10.06 | 0.64 | 0.65 | 0.65 | - 7.21 | - 55.30 | - 1.82 | - 0.59 |
| 491 | 16.01 | 16.11 | 16.12 | 0.79 | 0.81 | 0.81 | - 4.96 | - 44.21 | + 0.20 | + 0.79 |
| 492 | 109.48 | 109.24 | 109.23 | 0.71 | 0.72 | 0.72 | + 14.25 | - 64.67 | - 0.26 | - 0.06 |
| 1342 | 13.32 | 13.22 | 13.21 | 0.76 | 0.76 | 0.76 | + 23.99 | - 115.12 | + 0.22 | + 0.01 |
| 494 | 11.25 | 11.38 | 11.39 | 0.68 | 0.69 | 0.69 | - 9.36 | - 40.11 | + 0.35 | + 1.01 |
| 1344 | 6.52 | 6.10 | 6.03 | 0.72 | 0.73 | 0.73 | - 12.16 | - 95.97 | + 0.33 | - 0.15 |
| 1345 | 117.45 | 117.31 | 117.30 | 0.70 | 0.71 | 0.71 | + 46.64 | - 117.85 | - 1.54 | + 1.44 |
| 495 | 23.66 | 24.64 | 24.69 | 0.68 | 0.70 | 0.70 | + 48.62 | - 118.40 | - 1.24 | + 1.50 |
| 1346 | 5.09 | 5.00 | 4.98 | 0.66 | 0.67 | 0.67 | - 9.96 | - 40.62 | + 0.33 | + 0.95 |
| 496 | 55.67 | 55.64 | 55.64 | 0.73 | 0.74 | 0.74 | + 7.77 | - 105.47 | - 0.29 | - 0.86 |
| 1348 | 6.69 | 6.50 | 6.46 | 0.81 | 0.82 | 0.82 | + 40.73 | - 118.98 | - 0.29 | + 0.81 |
| 1350 | 3.20 | 3.04 | 2.96 | 0.87 | 0.89 | 0.91 | + 5.87 | - 53.54 | + 0.35 | + 0.14 |
| 1349 | 55.39 | 55.23 | 55.22 | 0.71 | 0.73 | 0.73 | + 0.21 | - 78.64 | + 0.10 | + 0.32 |
| 1351 | 17.56 | 17.77 | 17.79 | 0.79 | 0.80 | 0.80 | - 10.45 | - 91.83 | + 0.20 | - 0.22 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|------------|---------------------------------------|-------------------------------------|--|--|-----------|----------|----------|--------------|----------|----------------------|
| FK6 No. | $\varepsilon_{\alpha^*,sys}$ [mas] | $\varepsilon_{\delta,sys}$ [mas] | $\varepsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\varepsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 453 | 8.60 | 6.20 | 0.27 | 0.20 | 1 | 2.24 | 1.66 | 2.05 | 1.01 | |
| 1314 | 10.66 | 7.94 | 0.34 | 0.26 | 1 | 2.37 | 1.50 | 0.37 | 3.17 | |
| 455 | 11.47 | 7.68 | 0.38 | 0.25 | 1 | 1.76 | 0.76 | 1.48 | 1.50 | 278 |
| 456 | 10.78 | 7.85 | 0.37 | 0.26 | 1 | 0.89 | 1.15 | 0.18 | 2.15 | 279 |
| 457 | 8.53 | 6.03 | 0.26 | 0.21 | 1 | 1.19 | 1.20 | 1.43 | 2.73 | 280 |
| 459 | 16.23 | 11.39 | 0.55 | 0.35 | 1 | 3.52 | 3.36 | 2.25 | 1.50 | |
| 1316 | 10.35 | 7.15 | 0.30 | 0.23 | 1 | 2.83 | 1.20 | 2.00 | 2.98 | 281 |
| 1317 | 6.73 | 5.73 | 0.25 | 0.18 | 1 | 3.21 | 0.82 | 2.64 | 3.33 | 282 |
| 1319 | 8.81 | 6.03 | 0.28 | 0.18 | 1 | 0.78 | 2.92 | 1.84 | 2.56 | |
| 461 | 8.97 | 6.72 | 0.28 | 0.22 | 1 | 1.65 | 3.42 | 2.02 | 1.55 | 283 |
| 463 | 8.61 | 6.93 | 0.29 | 0.21 | 1 | 3.03 | 1.53 | 1.75 | 2.03 | |
| 464 | 10.60 | 7.45 | 0.32 | 0.25 | 1 | 1.83 | 0.48 | 1.24 | 1.76 | 284 |
| 1320 | 9.02 | 6.96 | 0.29 | 0.22 | | 4.44 | 7.49 | 3.51 | 5.05 | |
| 466 | 8.81 | 6.11 | 0.29 | 0.22 | 1 | 0.91 | 1.15 | 1.88 | 1.74 | 285 |
| 468 | 11.01 | 7.84 | 0.38 | 0.25 | 1 | 2.06 | 0.28 | 1.24 | 1.73 | 286 |
| 469 | 12.90 | 8.66 | 0.43 | 0.31 | 1 | 1.64 | 0.79 | 1.03 | 1.69 | 287 |
| 1321 | 8.17 | 6.00 | 0.28 | 0.20 | 1 | 1.13 | 2.05 | 1.05 | 1.08 | 288 |
| 1322 | 8.81 | 6.68 | 0.30 | 0.21 | 1 | 1.84 | 1.45 | 2.59 | 2.87 | 289 |
| 471 | 8.49 | 6.31 | 0.28 | 0.20 | 1 | 2.06 | 1.89 | 2.95 | 1.50 | |
| 1324 | 7.35 | 5.80 | 0.28 | 0.18 | 1 | 1.68 | 1.69 | 1.02 | 2.66 | 290 |
| 475 | 7.15 | 5.98 | 0.28 | 0.19 | 1 | 1.80 | 3.02 | 3.67 | 3.64 | 291 |
| 1325 | 10.11 | 6.97 | 0.30 | 0.21 | 1 | 1.60 | 1.43 | 1.94 | 0.66 | 292 |
| 478 | 11.03 | 8.66 | 0.40 | 0.25 | 1 | 2.00 | 1.75 | 1.51 | 2.49 | |
| 1326 | 7.51 | 6.18 | 0.28 | 0.20 | 1 | 1.55 | 2.09 | 1.77 | 2.25 | 293 |
| 479 | 8.91 | 6.32 | 0.29 | 0.18 | 1 | 1.77 | 1.94 | 0.85 | 0.78 | 294 |
| 1327 | 10.16 | 6.75 | 0.30 | 0.20 | 1 | 0.70 | 3.04 | 1.11 | 3.23 | 295 |
| 1330 | 6.97 | 6.02 | 0.27 | 0.18 | 1 | 3.07 | 0.74 | 3.06 | 3.46 | 296 |
| 1329 | 8.36 | 6.34 | 0.29 | 0.19 | 1 | 2.12 | 1.89 | 1.53 | 2.40 | 297 |
| 1332 | 8.89 | 6.27 | 0.30 | 0.19 | 1 | 2.23 | 2.55 | 2.06 | 0.70 | 298 |
| 1333 | 8.40 | 6.45 | 0.29 | 0.22 | 1 | 2.38 | 0.18 | 1.46 | 2.27 | 299 |
| 482 | 9.26 | 7.44 | 0.32 | 0.22 | 1 | 6.01 | 3.10 | 7.04 | 4.38 | |
| 1335 | 7.13 | 6.16 | 0.29 | 0.19 | | 7.24 | 7.25 | 9.46 | 4.21 | 300 |
| 486 | 11.33 | 8.81 | 0.42 | 0.26 | 1 | 0.51 | 1.17 | 3.05 | 0.62 | |
| 484 | 6.95 | 6.15 | 0.28 | 0.18 | 1 | 3.16 | 1.87 | 4.47 | 2.76 | 301 |
| 488 | 7.52 | 6.45 | 0.28 | 0.20 | 1 | 1.63 | 1.04 | 3.16 | 1.73 | 302 |
| 1337 | 9.00 | 6.56 | 0.28 | 0.22 | 1 | 7.00 | 3.86 | 6.19 | 3.79 | 303 |
| 1340 | 10.66 | 8.23 | 0.37 | 0.26 | 1 | 1.99 | 0.72 | 1.33 | 1.94 | |
| 491 | 8.69 | 7.06 | 0.29 | 0.22 | 1 | 1.78 | 1.91 | 1.48 | 1.40 | 304 |
| 492 | 8.77 | 6.65 | 0.30 | 0.19 | 1 | 1.84 | 2.39 | 3.48 | 0.66 | 305 |
| 1342 | 8.58 | 7.58 | 0.29 | 0.20 | 1 | 1.22 | 2.86 | 3.24 | 1.94 | 306 |
| 494 | 9.06 | 7.61 | 0.30 | 0.22 | 1 | 1.64 | 0.91 | 1.66 | 1.30 | 307 |
| 1344 | 7.25 | 6.52 | 0.27 | 0.19 | 1 | 4.91 | 5.37 | 5.74 | 2.30 | 308 |
| 1345 | 7.91 | 6.75 | 0.27 | 0.21 | 1 | 4.01 | 2.35 | 1.65 | 4.50 | 309 |
| 495 | 8.12 | 6.92 | 0.29 | 0.21 | 1 | 6.70 | 5.19 | 6.07 | 2.95 | 310 |
| 1346 | 8.96 | 7.59 | 0.30 | 0.22 | 1 | 1.02 | 1.73 | 0.52 | 1.05 | |
| 496 | 8.98 | 6.92 | 0.29 | 0.22 | 1 | 3.50 | 2.78 | 3.45 | 1.95 | |
| 1348 | 7.58 | 6.74 | 0.26 | 0.20 | 1 | 0.87 | 2.14 | 2.27 | 1.28 | 311 |
| 1350 | 8.63 | 7.47 | 0.29 | 0.20 | 1 | 1.05 | 1.57 | 1.27 | 2.06 | |
| 1349 | 7.90 | 6.92 | 0.27 | 0.21 | 1 | 1.83 | 1.34 | 0.79 | 1.92 | 312 |
| 1351 | 7.16 | 6.68 | 0.27 | 0.18 | 1 | 0.62 | 2.74 | 1.92 | 1.78 | 313 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------|------------|-----------------|-----------------------------|-----------------------------|--|--------------------------------------|
| FK6 No. | HIP No. | Name | α (SI) 2000 h m s | δ (SI) 2000 ° ′ ″ | μ_{α^*} (SI) 2000 [mas/yr] | μ_{δ} (SI) 2000 [mas/yr] |
| 501 | 66249 | ζ Vir | 13 34 41.589 513 | − 0 35 44.972 53 | − 283.36 | + 46.30 |
| 1353 | 66294 | Grb 2017 CVn | 13 35 14.098 838 | + 44 11 49.362 13 | − 16.35 | + 13.08 |
| 1352 | 66320 | 80 Vir | 13 35 31.296 528 | − 5 23 46.285 03 | + 16.13 | + 82.90 |
| 505 | 66435 | Grb 2029 UMi | 13 37 10.987 695 | + 71 14 32.103 52 | − 36.73 | − 6.39 |
| 503 | 66607 | 49 G. Cha | 13 39 11.996 655 | − 75 41 1.640 56 | − 18.14 | − 7.64 |
| 1665 | 66753 | κ Oct | 13 40 55.479 452 | − 85 47 9.760 00 | − 87.65 | − 21.46 |
| 1355 | 66803 | 82 Vir | 13 41 36.775 196 | − 8 42 10.738 83 | − 93.97 | + 40.79 |
| 1643 | 66878 | Grb 2063 Cam | 13 42 23.099 724 | + 82 45 8.673 31 | + 33.72 | − 41.84 |
| 1356 | 66925 | 253 G. Cen | 13 42 56.110 038 | − 56 46 4.693 10 | − 7.42 | − 4.36 |
| 1357 | 67057 | 83 Vir | 13 44 29.827 082 | − 16 10 44.658 64 | + 12.90 | − 5.40 |
| 509 | 67301 | η UMa | 13 47 32.436 473 | + 49 18 47.765 48 | − 122.52 | − 14.25 |
| 1359 | 67481 | +9°2814 Boo | 13 49 44.154 647 | + 8 24 31.095 45 | − 26.98 | + 11.09 |
| 510 | 67494 | 89 Vir | 13 49 52.283 013 | − 18 8 3.009 11 | − 100.10 | − 38.26 |
| 1360 | 68065 | +32°2411 CVn | 13 56 10.459 868 | + 32 1 57.350 10 | − 117.96 | + 47.80 |
| 514 | 68191 | 294 G. Cen | 13 57 38.883 726 | − 63 41 12.103 81 | − 40.36 | − 32.70 |
| 515 | 68269 | 47 Hya | 13 58 31.146 286 | − 24 58 20.109 48 | − 49.45 | − 30.91 |
| 1361 | 68390 | 48 Hya | 14 0 0.120 765 | − 25 0 37.455 39 | − 194.73 | − 92.37 |
| 517 | 68478 | 11 Boo | 14 1 10.480 639 | + 27 23 11.735 36 | − 79.37 | + 18.74 |
| 516 | 68520 | τ Vir | 14 1 38.793 388 | + 1 32 40.314 38 | + 17.53 | − 21.23 |
| 1364 | 68673 | 307 G. Cen | 14 3 27.468 148 | − 41 25 24.041 64 | − 33.55 | − 16.61 |
| 1365 | 68763 | 210 G. Vir | 14 4 26.980 372 | − 14 58 18.134 22 | − 35.69 | − 19.69 |
| 1366 | 68888 | 94 Vir | 14 6 17.771 958 | − 8 53 29.825 68 | − 0.80 | + 19.48 |
| 519 | 68895 | π Hya | 14 6 22.297 363 | − 26 40 56.499 11 | + 43.50 | − 140.72 |
| 520 | 68933 | ϑ Cen | 14 6 40.948 649 | − 36 22 11.835 33 | − 519.04 | − 517.78 |
| 1368 | 69038 | 9 H. Boo | 14 7 55.755 635 | + 43 51 16.028 68 | + 11.23 | − 29.79 |
| 523 | 69427 | κ Vir | 14 12 53.745 120 | − 10 16 25.331 96 | + 6.95 | + 140.15 |
| 525 | 69701 | ι Vir | 14 16 0.877 428 | − 6 0 2.072 90 | − 13.17 | − 431.90 |
| 527 | 69732 | λ Boo | 14 16 23.018 390 | + 46 5 17.901 68 | − 187.83 | + 159.25 |
| 1372 | 69989 | 18 Boo | 14 19 16.279 506 | + 13 0 15.486 14 | + 104.57 | − 31.05 |
| 529 | 70069 | ν Cen | 14 20 19.542 605 | − 56 23 11.390 31 | − 9.61 | − 7.51 |
| 1374 | 70336 | 2 Lib | 14 23 25.624 764 | − 11 42 50.550 09 | − 9.41 | − 58.28 |
| 1375 | 70400 | 244 G. Vir | 14 24 11.344 527 | + 5 49 12.468 85 | − 78.14 | + 6.34 |
| 1376 | 70469 | 3 G. Lib | 14 24 48.625 254 | − 24 48 22.714 72 | − 54.97 | − 17.81 |
| 530 | 70492 | 10 G. Cir | 14 25 6.326 789 | − 68 11 43.196 08 | − 7.85 | − 3.46 |
| 1377 | 70574 | τ^1 Lup | 14 26 8.224 032 | − 45 13 17.121 01 | − 13.30 | − 13.39 |
| 1378 | 70602 | 22 Boo | 14 26 27.364 803 | + 19 13 36.837 84 | − 70.37 | + 26.54 |
| 536 | 71040 | Grb 2125 Dra | 14 31 42.810 893 | + 60 13 32.287 80 | − 48.80 | + 19.61 |
| 1380 | 71284 | σ Boo | 14 34 40.817 079 | + 29 44 42.462 02 | + 188.38 | + 132.07 |
| 537 | 71352 | η Cen | 14 35 30.423 854 | − 42 9 28.167 99 | − 35.25 | − 32.43 |
| 540 | 71618 | 33 Boo | 14 38 50.226 058 | + 44 24 16.203 43 | − 68.20 | − 18.14 |
| 1382 | 71837 | 32 Boo | 14 41 43.520 436 | + 11 39 38.378 96 | − 159.69 | − 112.92 |
| 545 | 71957 | μ Vir | 14 43 3.625 335 | − 5 39 29.517 01 | + 107.43 | − 316.88 |
| 1383 | 71995 | 34 Boo | 14 43 25.362 771 | + 26 31 40.270 04 | − 13.99 | − 15.62 |
| 544 | 72010 | 371 G. Cen | 14 43 39.439 175 | − 35 10 25.167 34 | − 62.14 | − 177.79 |
| 1384 | 72124 | +33°2489 Boo | 14 45 13.711 898 | + 32 47 18.039 10 | + 44.39 | − 68.29 |
| 547 | 72220 | 109 Vir | 14 46 14.923 988 | + 1 53 34.364 73 | − 116.40 | − 24.35 |
| 1385 | 72357 | 56 Hya | 14 47 44.806 220 | − 26 5 15.005 35 | + 38.52 | − 8.88 |
| 542 | 72370 | α Aps | 14 47 51.710 384 | − 79 2 41.104 08 | − 5.14 | − 15.93 |
| 1386 | 72469 | Grb 2152 Boo | 14 49 6.742 774 | + 37 48 40.246 36 | − 253.50 | + 109.71 |
| 1644 | 72573 | Grb 2196 UMi | 14 50 20.420 349 | + 82 30 43.001 03 | + 177.14 | − 223.12 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|--|---|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | ε_{α^*} (SI) [mas] | $\varepsilon_{\mu,\alpha^*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 501 | 91.18 | 0.70 | 0.21 | 90.76 | 0.51 | 0.21 | 44.55 | 0.90 | H | - 13.2 | 3.38 | | 21 | 2 | |
| 1353 | 91.31 | 0.46 | 0.39 | 91.05 | 0.50 | 0.38 | 8.40 | 0.73 | H | - 25.6 | 6.83 | | 31 | | |
| 1352 | 91.06 | 0.66 | 0.36 | 90.68 | 0.42 | 0.36 | 8.80 | 0.76 | H | - 8.2 | 5.70 | | 11 | 1 | 3 |
| 505 | 91.23 | 0.49 | 0.32 | 91.34 | 0.44 | 0.30 | 8.14 | 0.53 | H | + 14.9 | 5.50 | | 11 | 1 | 3 |
| 503 | 91.25 | 0.44 | 0.42 | 91.29 | 0.44 | 0.41 | 3.51 | 0.56 | H | + 18.2 | 6.32 | 1 | 38 | | |
| 1665 | 91.18 | 0.42 | 0.37 | 91.14 | 0.43 | 0.34 | 12.71 | 0.49 | H | - 9.0 | 5.56 | | 18 | | |
| 1355 | 90.81 | 0.75 | 0.24 | 90.89 | 0.51 | 0.22 | 7.13 | 0.89 | H | - 36.6 | 5.03 | 1 | 33 | | |
| 1643 | 91.28 | 0.44 | 0.37 | 91.39 | 0.48 | 0.33 | 8.96 | 0.52 | H | - 50.0 | 5.92 | | 29 | 2 | |
| 1356 | 91.27 | 0.41 | 0.38 | 91.46 | 0.46 | 0.40 | .78 | 0.09 | P | - 23.0 | 6.00 | 1 | 19 | | 1 |
| 1357 | 90.94 | 0.64 | 0.36 | 91.05 | 0.54 | 0.39 | 4.18 | 0.72 | H | + 0.7 | 5.55 | | 19 | | 1 |
| 509 | 91.21 | 0.45 | 0.24 | 91.31 | 0.58 | 0.21 | 32.39 | 0.74 | H | - 10.9 | 1.85 | 1 | 29 | 2 | |
| 1359 | 90.91 | 0.62 | 0.37 | 90.81 | 0.57 | 0.38 | 6.97 | 0.90 | H | + 8.2 | 6.60 | | 39 | | |
| 510 | 90.80 | 0.61 | 0.30 | 91.19 | 0.52 | 0.32 | 13.48 | 0.72 | H | - 39.7 | 4.96 | | 31 | | |
| 1360 | 91.09 | 0.48 | 0.39 | 91.19 | 0.50 | 0.37 | 13.81 | 0.78 | H | - 22.4 | 6.31 | | 11 | 1 | 3 |
| 514 | 91.12 | 0.31 | 0.31 | 91.22 | 0.40 | 0.39 | 15.61 | 0.57 | H | + 22.2 | 4.71 | | 11 | 1 | 3 |
| 515 | 91.19 | 0.64 | 0.36 | 91.32 | 0.43 | 0.36 | 9.61 | 0.69 | H | + 5.0 | 5.20 | | 28 | 2 | |
| 1361 | 91.12 | 0.70 | 0.44 | 91.21 | 0.47 | 0.40 | 17.43 | 0.78 | H | - 17.0 | 5.77 | | 39 | | |
| 517 | 91.30 | 0.46 | 0.27 | 91.07 | 0.48 | 0.27 | 9.59 | 0.74 | H | - 24.0 | 6.23 | | 29 | 2 | |
| 516 | 91.02 | 0.72 | 0.23 | 90.95 | 0.57 | 0.22 | 14.94 | 0.88 | H | - 2.0 | 4.23 | | 19 | | 1 |
| 1364 | 91.23 | 0.58 | 0.51 | 91.33 | 0.49 | 0.53 | 5.91 | 0.75 | H | + 4.0 | 6.08 | 1 | 19 | | 1 |
| 1365 | 91.14 | 0.73 | 0.40 | 91.75 | 0.58 | 0.43 | 6.90 | 0.95 | H | - 15.0 | 6.35 | | 19 | | 1 |
| 1366 | 91.04 | 0.74 | 0.32 | 91.54 | 0.45 | 0.33 | 9.25 | 0.91 | H | + 11.7 | 6.54 | | 31 | | |
| 519 | 91.00 | 0.63 | 0.35 | 91.31 | 0.47 | 0.34 | 32.17 | 0.77 | H | + 26.7 | 3.25 | | 11 | 1 | 3 |
| 520 | 91.09 | 0.61 | 0.41 | 91.31 | 0.49 | 0.39 | 53.52 | 0.79 | H | + 1.3 | 2.06 | | 13 | | |
| 1368 | 91.50 | 0.44 | 0.34 | 91.74 | 0.48 | 0.34 | 7.01 | 0.66 | H | - 35.8 | 5.13 | 2 | 13 | | |
| 523 | 90.83 | 0.83 | 0.24 | 91.45 | 0.50 | 0.23 | 14.59 | 0.95 | H | - 4.0 | 4.18 | | 31 | | |
| 525 | 90.88 | 0.73 | 0.26 | 91.30 | 0.52 | 0.26 | 46.74 | 0.87 | H | + 12.5 | 4.07 | | 26 | 2 | |
| 527 | 91.34 | 0.44 | 0.26 | 91.36 | 0.45 | 0.25 | 33.58 | 0.61 | H | - 8.1 | 4.18 | | 11 | 1 | 3 |
| 1372 | 91.10 | 0.55 | 0.36 | 91.18 | 0.49 | 0.33 | 38.33 | 0.81 | H | - 1.7 | 5.41 | | 39 | | |
| 529 | 91.02 | 0.41 | 0.38 | 90.86 | 0.39 | 0.39 | 2.75 | 0.59 | H | + 4.2 | 4.30 | | 19 | | 1 |
| 1374 | 90.91 | 0.71 | 0.31 | 91.40 | 0.54 | 0.31 | 9.87 | 0.81 | H | - 1.2 | 6.22 | | 31 | | |
| 1375 | 91.35 | 0.72 | 0.40 | 91.24 | 0.49 | 0.40 | 21.56 | 0.90 | H | - 10.0 | 5.10 | | 18 | | |
| 1376 | 90.98 | 0.70 | 0.40 | 91.35 | 0.48 | 0.37 | 8.16 | 0.87 | H | - 22.1 | 5.34 | | 19 | | 1 |
| 530 | 91.21 | 0.36 | 0.32 | 91.07 | 0.41 | 0.37 | 1.50 | 0.30 | P | - 22.4 | 5.56 | 1 | 19 | | 1 |
| 1377 | 91.21 | 0.60 | 0.48 | 91.21 | 0.42 | 0.45 | 3.15 | 0.69 | H | - 21.5 | 4.56 | 1 | 15 | 1 | 3 |
| 1378 | 90.96 | 0.49 | 0.27 | 91.02 | 0.48 | 0.26 | 11.38 | 0.69 | H | - 28.3 | 5.40 | | 21 | 2 | |
| 536 | 91.39 | 0.43 | 0.29 | 91.20 | 0.44 | 0.30 | 7.83 | 0.50 | H | - 18.8 | 6.26 | | 19 | | 1 |
| 1380 | 91.44 | 0.44 | 0.30 | 91.13 | 0.42 | 0.30 | 64.66 | 0.72 | H | + 0.8 | 4.47 | | 18 | | |
| 537 | 91.14 | 0.64 | 0.46 | 91.47 | 0.41 | 0.45 | 10.57 | 0.83 | H | - 0.2 | 2.33 | 2 | 13 | | |
| 540 | 91.14 | 0.42 | 0.28 | 91.04 | 0.39 | 0.27 | 16.56 | 0.55 | H | - 13.0 | 5.39 | | 18 | | |
| 1382 | 91.51 | 0.68 | 0.39 | 91.28 | 0.58 | 0.37 | 8.46 | 0.86 | H | - 23.3 | 5.55 | | 39 | | |
| 545 | 90.79 | 0.73 | 0.24 | 91.04 | 0.70 | 0.26 | 53.54 | 0.95 | H | + 5.2 | 3.87 | | 28 | 2 | |
| 1383 | 91.16 | 0.60 | 0.36 | 91.21 | 0.54 | 0.36 | 5.10 | 1.20 | P | + 5.6 | 4.80 | 2 | 33 | | |
| 544 | 91.26 | 0.64 | 0.44 | 91.24 | 0.40 | 0.42 | 15.89 | 0.71 | H | - 38.1 | 4.06 | | 21 | 2 | |
| 1384 | 91.15 | 0.38 | 0.34 | 91.31 | 0.53 | 0.42 | 3.34 | 0.71 | H | + 30.0 | 6.27 | 1 | 29 | 2 | |
| 547 | 90.98 | 0.81 | 0.25 | 91.14 | 0.51 | 0.25 | 25.35 | 0.87 | H | - 6.1 | 3.73 | | 29 | 2 | |
| 1385 | 91.16 | 0.69 | 0.44 | 91.34 | 0.47 | 0.39 | 9.84 | 0.76 | H | - 0.8 | 5.23 | | 31 | | |
| 542 | 91.22 | 0.40 | 0.34 | 91.20 | 0.44 | 0.39 | 7.93 | 0.53 | H | - 0.1 | 3.83 | 1 | 11 | 1 | 3 |
| 1386 | 91.34 | 0.43 | 0.32 | 91.28 | 0.45 | 0.33 | 24.39 | 0.66 | H | - 34.6 | 6.15 | | 19 | | 1 |
| 1644 | 91.02 | 0.43 | 0.38 | 91.01 | 0.46 | 0.34 | 23.08 | 0.50 | H | - 44.4 | 5.63 | | 19 | | 1 |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------------|--|---------|----------|----------|--------------------------------------|---------|----------|----------|
| FK6 No. | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 501 | - 24.93 | + 35.34 | + 37.67 | - 76.01 | - 67.21 | + 19.93 | + 19.88 | - 321.58 |
| 1353 | - 1.75 | + 5.78 | + 6.82 | + 16.73 | + 2.22 | + 5.70 | + 6.67 | + 85.56 |
| 1352 | + 1.58 | - 4.58 | - 5.20 | - 3.35 | + 8.65 | - 2.91 | - 3.28 | + 77.08 |
| 505 | - 9.69 | + 3.43 | + 3.96 | - 75.58 | - 2.43 | + 2.95 | + 3.20 | - 17.57 |
| 503 | - 1.12 | + 0.36 | + 0.71 | - 94.60 | - 3.32 | + 2.09 | + 3.22 | + 21.88 |
| 1665 | + 1.73 | + 0.01 | + 0.01 | + 34.30 | - 0.69 | + 3.44 | + 3.80 | + 25.72 |
| 1355 | - 3.72 | + 15.79 | + 20.93 | - 33.43 | - 9.48 | - 3.13 | - 4.57 | - 101.36 |
| 1643 | + 10.06 | - 7.94 | - 9.16 | + 27.09 | + 1.28 | - 5.17 | - 5.78 | - 16.52 |
| 1356 | - 0.07 | - 0.01 | - 0.03 | + 19.42 | + 3.02 | - 0.84 | - 3.40 | - 40.19 |
| 1357 | + 1.48 | - 1.71 | - 2.52 | + 16.28 | - 0.76 | - 1.60 | - 2.05 | - 36.59 |
| 509 | - 6.92 | + 10.93 | + 11.38 | - 17.11 | + 25.62 | - 10.66 | - 11.27 | + 117.70 |
| 1359 | + 6.94 | + 2.67 | + 3.12 | + 87.34 | - 5.59 | - 0.87 | - 1.05 | - 86.06 |
| 510 | + 12.25 | + 6.24 | + 6.98 | + 81.52 | - 6.15 | + 4.36 | + 4.90 | - 57.10 |
| 1360 | - 6.19 | - 5.75 | - 6.46 | - 37.96 | - 2.64 | + 4.11 | + 4.55 | - 2.91 |
| 514 | + 3.77 | - 0.72 | - 0.81 | + 26.89 | + 7.38 | - 0.98 | - 1.16 | + 135.31 |
| 515 | + 0.64 | - 3.22 | - 4.40 | + 11.99 | - 1.91 | + 12.21 | + 14.05 | + 81.05 |
| 1361 | - 6.48 | + 4.32 | + 5.12 | - 37.13 | - 2.28 | + 4.68 | + 5.11 | + 17.02 |
| 517 | - 14.13 | + 0.69 | + 0.95 | - 74.33 | - 12.59 | + 1.97 | + 2.23 | - 110.82 |
| 516 | + 10.05 | - 0.82 | - 1.10 | + 47.29 | + 2.74 | + 0.20 | + 0.29 | + 20.60 |
| 1364 | + 1.30 | - 1.30 | - 2.09 | - 54.10 | + 0.31 | + 0.52 | + 0.87 | + 37.11 |
| 1365 | - 0.22 | + 1.06 | + 3.23 | - 10.96 | + 0.51 | - 9.87 | - 14.23 | - 46.33 |
| 1366 | + 10.26 | + 0.44 | - 0.08 | + 83.91 | + 4.65 | + 2.86 | + 3.45 | + 70.42 |
| 519 | - 2.64 | - 3.74 | - 4.00 | - 18.82 | + 4.69 | - 0.76 | - 0.84 | + 43.93 |
| 520 | + 4.61 | - 2.13 | - 2.31 | + 23.09 | - 3.91 | - 0.69 | - 0.69 | - 48.58 |
| 1368 | - 7.32 | + 3.56 | + 4.24 | - 44.41 | + 2.58 | + 0.29 | + 0.20 | + 47.87 |
| 523 | + 14.07 | + 8.81 | + 9.71 | + 61.80 | - 4.68 | + 5.05 | + 5.47 | - 27.99 |
| 525 | + 140.70 | - 99.55 | - 114.32 | + 573.52 | + 13.09 | + 96.02 | + 104.93 | + 116.48 |
| 527 | + 2.69 | + 3.40 | + 3.58 | + 11.21 | + 1.70 | - 2.08 | - 2.16 | + 6.67 |
| 1372 | + 9.76 | + 10.54 | + 11.58 | + 42.63 | + 3.20 | - 9.14 | - 10.00 | + 1.43 |
| 529 | - 3.87 | + 1.79 | + 2.87 | + 8.24 | - 0.21 | - 0.36 | - 0.54 | - 138.25 |
| 1374 | + 4.24 | + 16.16 | + 19.93 | + 32.89 | - 3.13 | - 2.36 | - 3.22 | - 36.93 |
| 1375 | - 1.24 | + 1.70 | + 1.87 | - 1.56 | - 6.92 | + 1.09 | + 1.25 | - 37.96 |
| 1376 | - 3.92 | + 10.95 | + 14.08 | - 22.68 | + 1.45 | - 1.94 | - 3.01 | + 51.84 |
| 530 | + 0.89 | - 0.53 | - 0.97 | + 51.84 | + 1.65 | - 1.60 | - 3.03 | - 49.43 |
| 1377 | + 1.66 | - 1.10 | - 1.77 | + 4.41 | + 5.02 | - 3.41 | - 5.52 | + 71.26 |
| 1378 | - 13.85 | - 5.18 | - 5.63 | - 76.27 | - 12.49 | + 1.16 | + 1.43 | - 103.23 |
| 536 | - 1.95 | + 3.01 | + 3.35 | - 5.83 | - 1.48 | + 0.54 | + 0.62 | - 17.94 |
| 1380 | - 7.54 | - 0.44 | - 0.53 | - 19.47 | + 8.07 | + 5.47 | + 5.74 | + 40.26 |
| 537 | + 2.13 | - 0.37 | - 0.54 | + 23.68 | - 3.29 | - 0.09 | - 0.09 | - 82.26 |
| 540 | - 2.85 | - 1.95 | - 2.03 | - 12.58 | - 0.01 | - 2.50 | - 2.59 | - 8.44 |
| 1382 | + 11.49 | + 1.37 | + 1.15 | + 89.16 | - 6.01 | + 4.82 | + 5.79 | - 40.78 |
| 545 | + 6.94 | - 26.81 | - 29.18 | + 24.55 | + 5.72 | - 23.94 | - 26.87 | + 31.28 |
| 1383 | + 0.62 | + 3.80 | + 6.17 | + 3.77 | - 6.07 | - 6.52 | - 9.22 | - 113.57 |
| 544 | - 16.87 | + 9.04 | + 10.33 | - 82.51 | - 11.39 | + 7.61 | + 8.39 | - 67.30 |
| 1384 | - 2.02 | + 2.55 | + 3.42 | - 11.78 | - 6.89 | + 3.38 | + 5.28 | - 209.58 |
| 547 | + 48.26 | + 2.04 | + 1.66 | + 152.87 | - 25.13 | + 20.98 | + 22.84 | - 122.84 |
| 1385 | + 7.30 | - 11.38 | - 14.47 | + 58.27 | + 0.30 | + 3.68 | + 4.21 | + 78.33 |
| 542 | + 7.68 | - 4.03 | - 4.64 | + 9.66 | - 5.64 | + 1.29 | + 1.56 | - 108.82 |
| 1386 | - 3.82 | + 4.08 | + 4.34 | - 5.69 | + 1.73 | - 0.85 | - 0.85 | + 5.69 |
| 1644 | + 1.59 | + 4.20 | + 4.56 | + 42.76 | + 0.08 | - 1.81 | - 1.99 | - 3.10 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|---|---------|---------|--------|---------|---|---------|---------|--------|---------|
| FK6 | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| No. | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 501 | - 0.92 | + 4.20 | + 4.47 | - 1.56 | - 0.44 | - 1.33 | + 2.26 | + 2.26 | - 4.00 | + 0.32 |
| 1353 | - 0.49 | + 0.67 | + 0.79 | - 0.24 | - 0.88 | - 0.41 | + 0.65 | + 0.76 | + 0.77 | - 1.36 |
| 1352 | + 0.31 | - 0.52 | - 0.59 | + 0.27 | + 0.43 | + 0.63 | - 0.31 | - 0.35 | + 1.60 | + 0.07 |
| 505 | - 0.36 | + 0.39 | + 0.45 | - 1.39 | + 0.33 | - 0.20 | + 0.34 | + 0.37 | - 0.41 | - 0.13 |
| 503 | + 0.06 | + 0.04 | + 0.08 | - 1.56 | + 1.00 | - 0.46 | + 0.24 | + 0.37 | - 0.31 | - 0.90 |
| 1665 | + 0.01 | + 0.00 | + 0.00 | + 0.47 | - 0.17 | - 0.21 | + 0.39 | + 0.43 | + 0.08 | - 0.32 |
| 1355 | - 0.18 | + 1.75 | + 2.32 | - 0.61 | - 0.03 | - 0.13 | - 0.35 | - 0.51 | - 1.20 | + 0.43 |
| 1643 | + 1.22 | - 0.91 | - 1.05 | + 1.67 | + 1.31 | + 0.30 | - 0.60 | - 0.67 | + 0.10 | + 0.44 |
| 1356 | - 0.02 | + 0.00 | + 0.00 | + 0.32 | - 0.31 | + 0.39 | - 0.10 | - 0.40 | + 0.77 | + 2.03 |
| 1357 | + 0.08 | - 0.19 | - 0.28 | + 0.34 | - 0.06 | + 0.07 | - 0.18 | - 0.23 | - 0.41 | + 0.39 |
| 509 | - 0.40 | + 1.24 | + 1.29 | - 0.55 | - 0.25 | + 0.44 | - 1.24 | - 1.31 | + 1.37 | - 0.29 |
| 1359 | + 0.01 | + 0.30 | + 0.35 | + 1.54 | - 0.83 | - 0.13 | - 0.10 | - 0.12 | - 1.57 | + 0.48 |
| 510 | + 0.05 | + 0.68 | + 0.76 | + 0.96 | - 0.70 | - 0.23 | + 0.49 | + 0.55 | - 0.87 | + 0.09 |
| 1360 | + 0.13 | - 0.65 | - 0.73 | - 0.47 | + 0.81 | - 0.37 | + 0.47 | + 0.52 | - 0.41 | - 0.43 |
| 514 | + 0.27 | - 0.08 | - 0.09 | + 0.73 | + 0.02 | + 0.29 | - 0.11 | - 0.13 | + 2.29 | - 0.73 |
| 515 | - 0.02 | - 0.34 | - 0.47 | + 0.17 | - 0.12 | - 0.92 | + 1.41 | + 1.62 | + 0.09 | - 1.75 |
| 1361 | - 0.31 | + 0.50 | + 0.59 | - 0.85 | + 0.04 | - 0.48 | + 0.54 | + 0.59 | - 0.25 | - 0.70 |
| 517 | - 0.25 | + 0.08 | + 0.11 | - 1.20 | + 0.54 | - 0.25 | + 0.22 | + 0.25 | - 1.57 | + 0.50 |
| 516 | + 0.13 | - 0.09 | - 0.12 | + 0.61 | - 0.25 | + 0.03 | + 0.02 | + 0.03 | + 0.23 | - 0.07 |
| 1364 | + 0.41 | - 0.15 | - 0.24 | - 0.64 | + 1.58 | - 0.06 | + 0.06 | + 0.10 | + 0.53 | - 0.67 |
| 1365 | + 0.10 | + 0.15 | + 0.41 | - 0.07 | + 0.22 | + 0.32 | - 1.20 | - 1.73 | - 0.23 | + 0.81 |
| 1366 | + 0.12 | + 0.06 | + 0.00 | + 1.24 | - 0.62 | - 0.04 | + 0.34 | + 0.41 | + 0.82 | - 0.53 |
| 519 | + 0.08 | - 0.42 | - 0.45 | - 0.16 | + 0.28 | + 0.15 | - 0.09 | - 0.10 | + 0.66 | - 0.08 |
| 520 | + 0.19 | - 0.24 | - 0.26 | + 0.47 | - 0.04 | + 0.02 | - 0.08 | - 0.08 | - 0.52 | + 0.35 |
| 1368 | - 0.41 | + 0.42 | + 0.50 | - 1.09 | + 0.08 | - 0.03 | + 0.04 | + 0.03 | + 0.60 | - 0.46 |
| 523 | + 0.08 | + 0.99 | + 1.09 | + 0.69 | - 0.52 | - 0.15 | + 0.59 | + 0.64 | - 0.42 | - 0.01 |
| 525 | + 2.44 | - 11.03 | - 12.67 | + 8.38 | - 2.15 | - 1.30 | + 11.04 | + 12.06 | - 0.15 | - 2.23 |
| 527 | - 0.07 | + 0.39 | + 0.41 | + 0.04 | - 0.22 | + 0.11 | - 0.23 | - 0.24 | + 0.17 | + 0.07 |
| 1372 | - 0.04 | + 1.22 | + 1.34 | + 0.53 | - 0.72 | + 0.50 | - 1.07 | - 1.17 | + 0.51 | + 0.59 |
| 529 | - 0.54 | + 0.20 | + 0.32 | - 0.61 | - 1.08 | + 0.15 | - 0.04 | - 0.06 | - 1.85 | + 1.32 |
| 1374 | - 0.16 | + 1.80 | + 2.22 | + 0.20 | - 0.56 | - 0.05 | - 0.28 | - 0.38 | - 0.47 | + 0.19 |
| 1375 | - 0.16 | + 0.21 | + 0.23 | - 0.18 | - 0.18 | - 0.30 | + 0.13 | + 0.15 | - 0.88 | + 0.11 |
| 1376 | - 0.44 | + 1.22 | + 1.57 | - 0.84 | - 0.41 | - 0.08 | - 0.21 | - 0.33 | + 0.62 | - 0.43 |
| 530 | + 0.06 | - 0.06 | - 0.11 | + 0.94 | - 0.30 | + 0.25 | - 0.18 | - 0.34 | - 0.24 | + 0.79 |
| 1377 | + 0.21 | - 0.13 | - 0.21 | + 0.37 | + 0.34 | + 0.55 | - 0.39 | - 0.63 | + 1.78 | + 0.40 |
| 1378 | - 0.02 | - 0.58 | - 0.63 | - 0.91 | + 0.88 | - 0.13 | + 0.13 | + 0.16 | - 1.29 | + 0.57 |
| 536 | - 0.21 | + 0.35 | + 0.39 | - 0.30 | - 0.21 | - 0.06 | + 0.06 | + 0.07 | - 0.29 | + 0.06 |
| 1380 | - 0.20 | - 0.05 | - 0.06 | - 0.40 | + 0.11 | - 0.09 | + 0.62 | + 0.65 | + 0.35 | - 0.53 |
| 537 | + 0.06 | - 0.04 | - 0.06 | + 0.40 | - 0.20 | - 0.03 | - 0.01 | - 0.01 | - 1.03 | + 0.56 |
| 540 | + 0.05 | - 0.22 | - 0.23 | - 0.10 | + 0.24 | + 0.18 | - 0.28 | - 0.29 | + 0.08 | + 0.28 |
| 1382 | + 0.12 | + 0.19 | + 0.17 | + 1.63 | - 1.08 | - 0.37 | + 0.56 | + 0.67 | - 0.99 | - 0.04 |
| 545 | + 0.31 | - 2.94 | - 3.20 | + 0.57 | + 0.15 | + 0.27 | - 2.69 | - 3.02 | + 0.60 | + 0.14 |
| 1383 | - 0.01 | + 0.43 | + 0.70 | + 0.02 | - 0.10 | + 0.07 | - 0.75 | - 1.06 | - 1.53 | + 1.15 |
| 544 | - 1.36 | + 1.06 | + 1.21 | - 2.55 | - 0.70 | - 1.06 | + 0.88 | + 0.97 | - 1.90 | - 0.78 |
| 1384 | - 0.23 | + 0.29 | + 0.39 | - 0.47 | - 0.23 | - 0.38 | + 0.39 | + 0.61 | - 3.91 | + 0.85 |
| 547 | + 0.74 | + 0.39 | + 0.36 | + 2.32 | - 0.99 | - 0.64 | + 2.39 | + 2.60 | - 1.91 | + 0.16 |
| 1385 | + 0.54 | - 1.29 | - 1.64 | + 1.55 | + 0.21 | - 0.41 | + 0.42 | + 0.48 | + 0.68 | - 1.04 |
| 542 | + 0.97 | - 0.46 | - 0.53 | + 1.14 | + 1.14 | - 0.35 | + 0.15 | + 0.18 | - 1.77 | + 0.28 |
| 1386 | - 0.45 | + 0.47 | + 0.50 | - 0.51 | - 0.46 | + 0.15 | - 0.09 | - 0.09 | + 0.21 | + 0.11 |
| 1644 | - 0.44 | + 0.47 | + 0.51 | + 0.24 | - 0.95 | + 0.07 | - 0.20 | - 0.22 | + 0.03 | + 0.10 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------|------------|-------|-------|-------|--------------------------------|------|------|-------|--|------|------|------|---------|
| FK6 | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu, \alpha^*}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 501 | 59.54 | 91.13 | 91.13 | 37.52 | 10.97 | 0.73 | 0.73 | 14.27 | 0.30 | 0.79 | 0.83 | 0.43 | 0.27 |
| 1353 | 84.71 | 91.32 | 91.32 | 61.79 | 9.51 | 0.46 | 0.46 | 20.17 | 0.56 | 0.54 | 0.56 | 0.89 | 0.68 |
| 1352 | 81.83 | 91.10 | 91.10 | 56.35 | 9.41 | 0.66 | 0.66 | 18.12 | 0.46 | 0.67 | 0.72 | 0.74 | 0.52 |
| 505 | 81.75 | 91.27 | 91.27 | 54.47 | 9.16 | 0.49 | 0.49 | 18.02 | 0.42 | 0.54 | 0.57 | 0.66 | 0.49 |
| 503 | 89.48 | 91.26 | 91.26 | 59.64 | 6.97 | 0.44 | 0.44 | 29.41 | 0.66 | 0.49 | 0.52 | 1.27 | 0.93 |
| 1665 | 82.43 | 91.19 | 91.19 | 44.00 | 11.51 | 0.42 | 0.42 | 26.65 | 0.51 | 0.53 | 0.55 | 0.98 | 0.56 |
| 1355 | 74.67 | 90.98 | 90.98 | 43.19 | 8.13 | 0.75 | 0.75 | 13.86 | 0.28 | 0.79 | 0.90 | 0.47 | 0.29 |
| 1643 | 84.72 | 91.30 | 91.30 | 56.42 | 9.99 | 0.44 | 0.44 | 23.08 | 0.57 | 0.48 | 0.50 | 1.03 | 0.66 |
| 1356 | 90.89 | 91.28 | 91.28 | 65.04 | 3.39 | 0.41 | 0.41 | 28.44 | 0.55 | 0.39 | 0.42 | 1.49 | 1.08 |
| 1357 | 85.08 | 90.99 | 90.99 | 58.14 | 7.06 | 0.64 | 0.64 | 16.44 | 0.41 | 0.73 | 0.88 | 0.66 | 0.50 |
| 509 | 67.05 | 91.25 | 91.25 | 49.19 | 10.71 | 0.45 | 0.45 | 14.12 | 0.33 | 0.49 | 0.50 | 0.45 | 0.34 |
| 1359 | 83.02 | 90.96 | 90.96 | 60.04 | 8.53 | 0.62 | 0.62 | 16.64 | 0.49 | 0.64 | 0.70 | 0.86 | 0.54 |
| 510 | 75.51 | 90.86 | 90.86 | 47.07 | 10.48 | 0.62 | 0.62 | 17.58 | 0.37 | 0.74 | 0.79 | 0.57 | 0.40 |
| 1360 | 80.46 | 91.12 | 91.12 | 64.84 | 10.13 | 0.48 | 0.48 | 15.85 | 0.54 | 0.66 | 0.69 | 0.79 | 0.60 |
| 514 | 85.60 | 91.11 | 91.11 | 62.61 | 12.30 | 0.31 | 0.31 | 27.70 | 0.78 | 0.35 | 0.35 | 1.28 | 0.97 |
| 515 | 80.80 | 91.22 | 91.22 | 54.17 | 9.69 | 0.64 | 0.64 | 18.25 | 0.44 | 0.78 | 0.85 | 0.69 | 0.49 |
| 1361 | 80.65 | 91.14 | 91.14 | 58.04 | 11.75 | 0.70 | 0.70 | 20.81 | 0.55 | 0.84 | 0.90 | 0.85 | 0.63 |
| 517 | 76.11 | 91.34 | 91.34 | 54.72 | 8.73 | 0.46 | 0.46 | 13.56 | 0.35 | 0.62 | 0.66 | 0.53 | 0.37 |
| 516 | 67.77 | 91.06 | 91.06 | 42.56 | 9.75 | 0.73 | 0.73 | 14.04 | 0.30 | 0.76 | 0.81 | 0.44 | 0.29 |
| 1364 | 89.29 | 91.24 | 91.24 | 69.40 | 8.78 | 0.58 | 0.58 | 29.32 | 0.91 | 0.56 | 0.59 | 1.72 | 1.34 |
| 1365 | 83.99 | 91.28 | 91.28 | 56.98 | 8.78 | 0.75 | 0.75 | 19.08 | 0.47 | 0.81 | 0.94 | 0.75 | 0.56 |
| 1366 | 78.67 | 91.10 | 91.10 | 51.86 | 9.29 | 0.74 | 0.74 | 16.45 | 0.39 | 0.87 | 0.99 | 0.62 | 0.42 |
| 519 | 74.36 | 91.04 | 91.04 | 51.23 | 12.49 | 0.63 | 0.63 | 19.24 | 0.48 | 0.71 | 0.73 | 0.76 | 0.48 |
| 520 | 78.81 | 91.11 | 91.11 | 53.98 | 14.20 | 0.61 | 0.61 | 24.59 | 0.56 | 0.67 | 0.69 | 0.81 | 0.66 |
| 1368 | 83.85 | 91.51 | 91.51 | 61.55 | 8.61 | 0.44 | 0.44 | 17.23 | 0.47 | 0.50 | 0.52 | 0.70 | 0.58 |
| 523 | 68.89 | 90.99 | 90.99 | 44.83 | 9.68 | 0.83 | 0.83 | 13.95 | 0.30 | 0.74 | 0.78 | 0.44 | 0.30 |
| 525 | 64.85 | 90.99 | 90.99 | 43.67 | 11.48 | 0.73 | 0.73 | 15.42 | 0.36 | 0.87 | 0.91 | 0.53 | 0.33 |
| 527 | 69.73 | 91.35 | 91.35 | 50.71 | 11.32 | 0.45 | 0.45 | 15.54 | 0.38 | 0.51 | 0.52 | 0.52 | 0.38 |
| 1372 | 76.04 | 91.21 | 91.21 | 60.73 | 11.93 | 0.56 | 0.56 | 16.89 | 0.54 | 0.68 | 0.70 | 0.78 | 0.55 |
| 529 | 89.68 | 91.03 | 91.03 | 61.80 | 6.19 | 0.41 | 0.41 | 27.13 | 0.63 | 0.43 | 0.45 | 1.24 | 0.93 |
| 1374 | 77.73 | 91.01 | 91.01 | 50.09 | 9.48 | 0.72 | 0.72 | 16.56 | 0.37 | 0.81 | 0.89 | 0.57 | 0.41 |
| 1375 | 79.01 | 91.33 | 91.33 | 63.53 | 11.30 | 0.75 | 0.75 | 17.01 | 0.59 | 0.67 | 0.69 | 0.91 | 0.61 |
| 1376 | 83.75 | 91.02 | 91.02 | 55.90 | 9.47 | 0.70 | 0.70 | 20.59 | 0.49 | 0.74 | 0.81 | 0.80 | 0.59 |
| 530 | 90.23 | 91.21 | 91.21 | 56.18 | 4.65 | 0.36 | 0.36 | 27.40 | 0.52 | 0.35 | 0.37 | 1.08 | 0.78 |
| 1377 | 89.56 | 91.22 | 91.22 | 60.72 | 6.62 | 0.60 | 0.60 | 28.22 | 0.64 | 0.59 | 0.66 | 1.14 | 0.93 |
| 1378 | 75.96 | 91.01 | 91.01 | 52.90 | 9.49 | 0.49 | 0.49 | 15.03 | 0.36 | 0.53 | 0.55 | 0.52 | 0.39 |
| 536 | 80.92 | 91.41 | 91.41 | 54.64 | 8.85 | 0.43 | 0.43 | 16.66 | 0.40 | 0.45 | 0.47 | 0.65 | 0.45 |
| 1380 | 72.23 | 91.46 | 91.46 | 59.55 | 11.13 | 0.44 | 0.44 | 14.36 | 0.44 | 0.59 | 0.60 | 0.58 | 0.45 |
| 537 | 85.18 | 91.17 | 91.17 | 57.72 | 10.76 | 0.65 | 0.65 | 25.29 | 0.59 | 0.71 | 0.75 | 0.90 | 0.76 |
| 540 | 74.29 | 91.17 | 91.17 | 56.42 | 10.03 | 0.42 | 0.42 | 14.37 | 0.38 | 0.54 | 0.55 | 0.53 | 0.41 |
| 1382 | 82.38 | 91.52 | 91.52 | 63.61 | 8.92 | 0.70 | 0.70 | 15.71 | 0.50 | 0.72 | 0.78 | 0.77 | 0.56 |
| 545 | 62.79 | 90.93 | 90.93 | 44.43 | 10.90 | 0.73 | 0.73 | 13.99 | 0.33 | 1.01 | 1.09 | 0.46 | 0.30 |
| 1383 | 83.76 | 91.21 | 91.21 | 62.18 | 7.40 | 0.60 | 0.60 | 14.59 | 0.43 | 0.74 | 0.86 | 0.67 | 0.50 |
| 544 | 84.13 | 91.26 | 91.26 | 58.81 | 12.21 | 0.65 | 0.65 | 26.06 | 0.64 | 0.62 | 0.64 | 0.98 | 0.80 |
| 1384 | 86.85 | 91.16 | 91.16 | 60.01 | 6.48 | 0.38 | 0.38 | 17.30 | 0.45 | 0.48 | 0.52 | 0.80 | 0.56 |
| 547 | 66.16 | 91.18 | 91.18 | 50.75 | 9.70 | 0.88 | 0.88 | 12.32 | 0.34 | 1.14 | 1.26 | 0.47 | 0.31 |
| 1385 | 83.26 | 91.19 | 91.19 | 58.08 | 10.06 | 0.69 | 0.69 | 20.51 | 0.55 | 0.79 | 0.86 | 0.94 | 0.62 |
| 542 | 86.55 | 91.23 | 91.23 | 55.20 | 9.80 | 0.40 | 0.40 | 27.14 | 0.58 | 0.40 | 0.41 | 0.94 | 0.75 |
| 1386 | 77.46 | 91.37 | 91.37 | 61.30 | 11.43 | 0.44 | 0.44 | 16.85 | 0.52 | 0.46 | 0.47 | 0.73 | 0.56 |
| 1644 | 80.61 | 91.03 | 91.03 | 56.98 | 12.76 | 0.43 | 0.43 | 22.91 | 0.62 | 0.50 | 0.51 | 1.03 | 0.67 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 501 | 57.94 | 90.70 | 90.70 | 25.18 | 12.06 | 0.52 | 0.52 | 16.99 | 0.28 | 0.68 | 0.71 | 0.45 | 0.26 |
| 1353 | 85.07 | 91.07 | 91.07 | 54.04 | 9.85 | 0.50 | 0.50 | 24.20 | 0.53 | 0.53 | 0.55 | 0.88 | 0.65 |
| 1352 | 85.27 | 90.71 | 90.71 | 49.99 | 10.18 | 0.42 | 0.42 | 26.82 | 0.52 | 0.51 | 0.54 | 0.83 | 0.66 |
| 505 | 81.27 | 91.37 | 91.37 | 40.88 | 9.52 | 0.44 | 0.44 | 21.38 | 0.38 | 0.54 | 0.57 | 0.68 | 0.42 |
| 503 | 89.65 | 91.29 | 91.29 | 49.59 | 7.03 | 0.44 | 0.44 | 35.84 | 0.63 | 0.48 | 0.52 | 1.24 | 0.86 |
| 1665 | 81.47 | 91.15 | 91.15 | 27.79 | 11.74 | 0.43 | 0.43 | 29.92 | 0.44 | 0.54 | 0.56 | 0.95 | 0.47 |
| 1355 | 76.34 | 90.95 | 90.95 | 35.29 | 8.59 | 0.51 | 0.51 | 16.65 | 0.28 | 0.50 | 0.53 | 0.48 | 0.30 |
| 1643 | 81.76 | 91.42 | 91.42 | 40.97 | 9.98 | 0.48 | 0.48 | 22.96 | 0.42 | 0.58 | 0.61 | 0.78 | 0.46 |
| 1356 | 91.07 | 91.46 | 91.46 | 54.46 | 3.41 | 0.46 | 0.46 | 40.95 | 0.57 | 0.41 | 0.45 | 1.53 | 1.11 |
| 1357 | 86.96 | 91.08 | 91.08 | 49.81 | 7.40 | 0.54 | 0.54 | 23.12 | 0.45 | 0.69 | 0.81 | 0.79 | 0.56 |
| 509 | 61.72 | 91.38 | 91.38 | 27.68 | 12.03 | 0.58 | 0.58 | 17.65 | 0.28 | 0.56 | 0.57 | 0.42 | 0.28 |
| 1359 | 83.82 | 90.86 | 90.86 | 55.88 | 8.83 | 0.57 | 0.57 | 19.33 | 0.50 | 0.62 | 0.68 | 0.95 | 0.55 |
| 510 | 78.05 | 91.22 | 91.22 | 39.77 | 11.25 | 0.52 | 0.52 | 22.23 | 0.40 | 0.62 | 0.64 | 0.67 | 0.43 |
| 1360 | 81.62 | 91.21 | 91.21 | 58.21 | 11.08 | 0.50 | 0.50 | 20.54 | 0.54 | 0.53 | 0.54 | 0.86 | 0.62 |
| 514 | 86.49 | 91.21 | 91.21 | 53.01 | 12.85 | 0.40 | 0.40 | 36.42 | 0.77 | 0.45 | 0.46 | 1.37 | 0.95 |
| 515 | 83.75 | 91.31 | 91.31 | 47.77 | 10.39 | 0.44 | 0.44 | 25.01 | 0.49 | 0.54 | 0.56 | 0.83 | 0.57 |
| 1361 | 82.35 | 91.20 | 91.20 | 48.15 | 12.68 | 0.47 | 0.47 | 27.90 | 0.57 | 0.60 | 0.62 | 0.97 | 0.65 |
| 517 | 77.18 | 91.10 | 91.10 | 44.21 | 9.55 | 0.48 | 0.48 | 17.48 | 0.35 | 0.48 | 0.50 | 0.58 | 0.37 |
| 516 | 66.97 | 90.92 | 90.92 | 29.62 | 10.54 | 0.58 | 0.58 | 16.80 | 0.28 | 0.63 | 0.66 | 0.49 | 0.27 |
| 1364 | 89.90 | 91.34 | 91.34 | 64.25 | 8.96 | 0.49 | 0.49 | 39.92 | 0.93 | 0.58 | 0.61 | 1.65 | 1.47 |
| 1365 | 85.67 | 91.77 | 91.77 | 49.20 | 9.20 | 0.58 | 0.58 | 24.99 | 0.50 | 0.84 | 0.98 | 0.88 | 0.59 |
| 1366 | 80.96 | 91.53 | 91.53 | 44.61 | 9.92 | 0.45 | 0.45 | 21.08 | 0.40 | 0.69 | 0.76 | 0.69 | 0.45 |
| 519 | 76.53 | 91.32 | 91.32 | 39.65 | 13.88 | 0.47 | 0.47 | 25.99 | 0.48 | 0.56 | 0.57 | 0.87 | 0.50 |
| 520 | 79.07 | 91.32 | 91.32 | 40.77 | 15.15 | 0.49 | 0.49 | 30.84 | 0.54 | 0.61 | 0.62 | 0.89 | 0.61 |
| 1368 | 84.66 | 91.75 | 91.75 | 51.35 | 9.09 | 0.48 | 0.48 | 22.28 | 0.46 | 0.52 | 0.55 | 0.74 | 0.55 |
| 523 | 68.09 | 91.51 | 91.51 | 32.53 | 10.45 | 0.50 | 0.50 | 16.63 | 0.29 | 0.62 | 0.64 | 0.48 | 0.28 |
| 525 | 64.84 | 91.33 | 91.33 | 34.75 | 12.55 | 0.52 | 0.52 | 18.36 | 0.35 | 0.66 | 0.68 | 0.59 | 0.32 |
| 527 | 70.30 | 91.36 | 91.36 | 38.28 | 12.85 | 0.46 | 0.46 | 20.44 | 0.37 | 0.42 | 0.43 | 0.55 | 0.39 |
| 1372 | 76.78 | 91.33 | 91.33 | 54.04 | 13.16 | 0.51 | 0.51 | 21.10 | 0.53 | 0.54 | 0.56 | 0.81 | 0.57 |
| 529 | 89.89 | 90.87 | 90.87 | 52.62 | 6.26 | 0.39 | 0.39 | 34.07 | 0.62 | 0.44 | 0.47 | 1.25 | 0.89 |
| 1374 | 79.77 | 91.43 | 91.43 | 41.60 | 10.13 | 0.54 | 0.54 | 21.04 | 0.38 | 0.63 | 0.67 | 0.66 | 0.42 |
| 1375 | 80.90 | 91.20 | 91.20 | 60.76 | 12.28 | 0.50 | 0.50 | 21.08 | 0.62 | 0.57 | 0.59 | 0.96 | 0.69 |
| 1376 | 84.88 | 91.33 | 91.33 | 47.09 | 9.85 | 0.49 | 0.49 | 25.92 | 0.50 | 0.58 | 0.62 | 0.87 | 0.59 |
| 530 | 90.25 | 91.08 | 91.08 | 45.19 | 4.67 | 0.41 | 0.41 | 32.39 | 0.50 | 0.43 | 0.48 | 1.13 | 0.71 |
| 1377 | 89.75 | 91.21 | 91.21 | 50.79 | 6.67 | 0.42 | 0.42 | 34.73 | 0.62 | 0.55 | 0.60 | 1.17 | 0.86 |
| 1378 | 74.99 | 91.07 | 91.07 | 41.83 | 10.02 | 0.48 | 0.48 | 17.48 | 0.34 | 0.51 | 0.53 | 0.55 | 0.36 |
| 536 | 82.88 | 91.22 | 91.22 | 46.73 | 9.42 | 0.44 | 0.44 | 21.72 | 0.42 | 0.45 | 0.46 | 0.73 | 0.49 |
| 1380 | 70.92 | 91.13 | 91.13 | 48.70 | 12.72 | 0.42 | 0.42 | 18.40 | 0.43 | 0.61 | 0.63 | 0.62 | 0.43 |
| 537 | 86.24 | 91.48 | 91.48 | 45.38 | 11.21 | 0.41 | 0.41 | 33.85 | 0.59 | 0.66 | 0.70 | 1.00 | 0.73 |
| 540 | 75.73 | 91.06 | 91.06 | 46.18 | 11.34 | 0.39 | 0.39 | 19.33 | 0.40 | 0.43 | 0.44 | 0.61 | 0.43 |
| 1382 | 83.07 | 91.26 | 91.26 | 57.43 | 9.42 | 0.60 | 0.60 | 19.15 | 0.48 | 0.60 | 0.63 | 0.76 | 0.57 |
| 545 | 62.48 | 91.15 | 91.15 | 33.91 | 12.28 | 0.70 | 0.70 | 17.34 | 0.34 | 1.13 | 1.24 | 0.56 | 0.30 |
| 1383 | 85.03 | 91.26 | 91.26 | 53.88 | 7.84 | 0.54 | 0.54 | 19.21 | 0.43 | 0.69 | 0.80 | 0.73 | 0.51 |
| 544 | 84.06 | 91.24 | 91.24 | 46.16 | 12.67 | 0.40 | 0.40 | 31.72 | 0.59 | 0.60 | 0.62 | 1.00 | 0.70 |
| 1384 | 88.40 | 91.33 | 91.33 | 54.44 | 6.73 | 0.53 | 0.53 | 24.09 | 0.53 | 0.57 | 0.63 | 1.05 | 0.65 |
| 547 | 66.56 | 91.24 | 91.24 | 39.86 | 11.32 | 0.58 | 0.58 | 16.33 | 0.34 | 0.68 | 0.70 | 0.53 | 0.32 |
| 1385 | 85.07 | 91.35 | 91.35 | 49.17 | 10.65 | 0.47 | 0.47 | 27.80 | 0.57 | 0.54 | 0.56 | 1.04 | 0.66 |
| 542 | 87.21 | 91.21 | 91.21 | 45.77 | 10.03 | 0.44 | 0.44 | 33.67 | 0.60 | 0.48 | 0.50 | 1.08 | 0.74 |
| 1386 | 77.67 | 91.31 | 91.31 | 52.63 | 12.54 | 0.45 | 0.45 | 21.14 | 0.50 | 0.48 | 0.49 | 0.76 | 0.55 |
| 1644 | 77.04 | 91.02 | 91.02 | 42.66 | 12.93 | 0.46 | 0.46 | 23.92 | 0.47 | 0.54 | 0.55 | 0.83 | 0.49 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|------------|-----------|-------|-------|-----------------------|------|------|---------------------------------|-------------------------------|--|--------------------------------------|
| FK6 No. | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ [mas] | $\Delta\delta_{sys}$ [mas] | $\Delta\mu_{\alpha^*,sys}$ [mas/yr] | $\Delta\mu_{\delta,sys}$ [mas/yr] |
| | SI | STP | HIP | SI | STP | HIP | | | | |
| 501 | 43.10 | 44.45 | 44.55 | 0.82 | 0.89 | 0.90 | + 3.76 | - 85.77 | + 0.09 | - 0.20 |
| 1353 | 8.31 | 8.39 | 8.40 | 0.72 | 0.73 | 0.73 | - 22.57 | - 31.06 | + 1.00 | + 1.45 |
| 1352 | 8.67 | 8.79 | 8.80 | 0.75 | 0.76 | 0.76 | + 8.63 | - 97.11 | + 0.33 | + 0.10 |
| 505 | 8.16 | 8.14 | 8.14 | 0.53 | 0.53 | 0.53 | + 11.04 | - 76.43 | - 0.03 | + 0.80 |
| 503 | 3.54 | 3.52 | 3.51 | 0.56 | 0.56 | 0.56 | + 140.89 | - 59.99 | - 7.56 | + 1.95 |
| 1665 | 12.67 | 12.71 | 12.71 | 0.49 | 0.49 | 0.49 | + 111.24 | - 81.57 | - 3.30 | + 3.08 |
| 1355 | 6.78 | 7.04 | 7.13 | 0.88 | 0.89 | 0.89 | + 16.36 | - 110.56 | + 0.28 | + 0.41 |
| 1643 | 9.07 | 8.97 | 8.96 | 0.52 | 0.52 | 0.52 | - 4.26 | - 64.11 | - 0.74 | + 0.54 |
| 1356 | 1.15 | 1.13 | 1.07 | 0.64 | 0.64 | 0.64 | + 14.21 | - 56.20 | - 3.92 | - 0.01 |
| 1357 | 4.17 | 4.18 | 4.18 | 0.72 | 0.72 | 0.72 | + 32.87 | - 121.06 | - 0.71 | + 1.31 |
| 509 | 32.86 | 32.41 | 32.39 | 0.73 | 0.74 | 0.74 | - 54.13 | - 33.37 | + 0.93 | + 1.98 |
| 1359 | 6.89 | 6.96 | 6.97 | 0.87 | 0.89 | 0.90 | - 4.21 | - 93.44 | + 1.10 | + 0.08 |
| 510 | 13.29 | 13.46 | 13.48 | 0.70 | 0.72 | 0.72 | + 29.46 | - 121.21 | - 1.07 | + 1.53 |
| 1360 | 13.87 | 13.82 | 13.81 | 0.77 | 0.78 | 0.78 | - 1.35 | - 47.82 | + 0.81 | + 0.21 |
| 514 | 15.60 | 15.61 | 15.61 | 0.57 | 0.57 | 0.57 | + 54.25 | - 42.37 | - 4.59 | + 0.61 |
| 515 | 9.57 | 9.61 | 9.61 | 0.69 | 0.69 | 0.69 | + 28.96 | - 123.42 | - 0.08 | + 1.42 |
| 1361 | 17.44 | 17.43 | 17.43 | 0.78 | 0.78 | 0.78 | + 28.25 | - 123.48 | - 0.03 | + 1.42 |
| 517 | 9.63 | 9.60 | 9.59 | 0.74 | 0.74 | 0.74 | + 12.71 | - 61.00 | + 0.26 | - 0.07 |
| 516 | 14.96 | 14.95 | 14.94 | 0.86 | 0.88 | 0.88 | - 8.31 | - 84.86 | + 0.30 | - 0.20 |
| 1364 | 5.94 | 5.92 | 5.91 | 0.75 | 0.75 | 0.75 | + 13.13 | - 88.80 | + 0.11 | - 1.12 |
| 1365 | 7.61 | 7.10 | 6.90 | 0.89 | 0.93 | 0.95 | + 21.58 | - 121.18 | - 0.03 | + 1.22 |
| 1366 | 9.03 | 9.21 | 9.25 | 0.83 | 0.89 | 0.91 | + 4.91 | - 110.04 | + 0.60 | + 0.50 |
| 519 | 32.23 | 32.17 | 32.17 | 0.76 | 0.77 | 0.77 | + 22.79 | - 123.52 | + 0.62 | + 1.16 |
| 520 | 53.53 | 53.52 | 53.52 | 0.76 | 0.79 | 0.79 | + 2.27 | - 110.67 | + 0.06 | - 0.70 |
| 1368 | 7.09 | 7.03 | 7.01 | 0.65 | 0.66 | 0.66 | - 34.69 | - 26.88 | + 1.00 | + 1.39 |
| 523 | 14.09 | 14.56 | 14.59 | 0.91 | 0.95 | 0.95 | + 7.87 | - 113.95 | + 0.63 | + 0.67 |
| 525 | 45.50 | 46.68 | 46.74 | 0.86 | 0.87 | 0.87 | - 6.73 | - 96.23 | + 0.76 | + 0.25 |
| 527 | 33.53 | 33.58 | 33.58 | 0.61 | 0.61 | 0.61 | - 47.59 | - 23.36 | + 1.05 | + 1.68 |
| 1372 | 38.63 | 38.36 | 38.33 | 0.79 | 0.81 | 0.81 | + 8.77 | - 74.77 | + 0.86 | + 0.34 |
| 529 | 2.76 | 2.75 | 2.75 | 0.59 | 0.59 | 0.59 | + 9.31 | - 59.42 | - 3.40 | - 0.04 |
| 1374 | 9.90 | 9.88 | 9.87 | 0.80 | 0.81 | 0.81 | + 9.10 | - 115.99 | + 0.69 | + 0.85 |
| 1375 | 21.38 | 21.55 | 21.56 | 0.86 | 0.90 | 0.90 | - 13.15 | - 87.85 | + 1.02 | - 0.06 |
| 1376 | 7.72 | 8.07 | 8.16 | 0.85 | 0.87 | 0.87 | + 19.64 | - 122.51 | + 0.53 | + 1.49 |
| 530 | 0.92 | 0.92 | 0.93 | 0.60 | 0.60 | 0.60 | + 58.00 | - 54.97 | - 4.68 | + 0.80 |
| 1377 | 3.25 | 3.19 | 3.15 | 0.68 | 0.69 | 0.69 | + 35.37 | - 70.04 | + 0.46 | - 1.19 |
| 1378 | 11.37 | 11.38 | 11.38 | 0.68 | 0.69 | 0.69 | - 7.95 | - 62.20 | + 0.32 | + 0.15 |
| 536 | 7.87 | 7.83 | 7.83 | 0.50 | 0.50 | 0.50 | - 30.84 | - 54.75 | - 0.29 | + 1.48 |
| 1380 | 64.60 | 64.66 | 64.66 | 0.72 | 0.72 | 0.72 | + 7.42 | - 46.33 | + 0.99 | + 0.08 |
| 537 | 10.58 | 10.57 | 10.57 | 0.81 | 0.83 | 0.83 | + 19.88 | - 82.07 | + 0.27 | - 1.14 |
| 540 | 16.51 | 16.56 | 16.56 | 0.54 | 0.55 | 0.55 | - 43.79 | - 18.87 | + 0.89 | + 1.46 |
| 1382 | 8.49 | 8.48 | 8.46 | 0.83 | 0.85 | 0.86 | + 14.43 | - 73.87 | + 1.31 | + 0.31 |
| 545 | 54.52 | 53.64 | 53.54 | 0.87 | 0.94 | 0.95 | - 11.33 | - 88.44 | + 0.82 | + 0.28 |
| 1383 | 4.03 | 3.79 | 3.67 | 0.90 | 0.93 | 0.94 | + 18.58 | - 53.94 | + 0.68 | - 0.05 |
| 544 | 15.91 | 15.89 | 15.89 | 0.71 | 0.71 | 0.71 | + 2.98 | - 109.55 | + 0.56 | - 0.51 |
| 1384 | 3.51 | 3.39 | 3.34 | 0.70 | 0.71 | 0.71 | - 4.80 | - 34.70 | + 1.35 | + 0.30 |
| 547 | 24.97 | 25.32 | 25.35 | 0.85 | 0.87 | 0.87 | - 10.04 | - 74.81 | + 0.44 | - 0.14 |
| 1385 | 9.74 | 9.83 | 9.84 | 0.76 | 0.76 | 0.76 | + 15.10 | - 118.76 | + 1.42 | + 1.30 |
| 542 | 7.86 | 7.92 | 7.93 | 0.53 | 0.53 | 0.53 | + 167.04 | - 48.42 | - 7.57 | + 2.20 |
| 1386 | 24.50 | 24.40 | 24.39 | 0.65 | 0.66 | 0.66 | - 24.31 | - 26.46 | + 0.88 | + 0.68 |
| 1644 | 22.99 | 23.07 | 23.08 | 0.50 | 0.50 | 0.50 | - 21.01 | - 57.78 | - 1.10 | + 0.59 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|---------|------------------------------------|----------------------------------|---|---|-----------|----------|----------|--------------|----------|----------------|
| FK6 No. | $\epsilon_{\alpha^*,sys}$ [mas] | $\epsilon_{\delta,sys}$ [mas] | $\epsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\epsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 501 | 7.03 | 6.84 | 0.27 | 0.17 | | 13.32 | 8.80 | 10.38 | 8.57 | |
| 1353 | 9.84 | 7.47 | 0.30 | 0.21 | 1 | 0.98 | 3.04 | 1.07 | 2.03 | |
| 1352 | 7.40 | 6.60 | 0.28 | 0.18 | 1 | 2.31 | 1.40 | 1.34 | 1.45 | |
| 505 | 13.21 | 9.46 | 0.43 | 0.30 | 1 | 2.39 | 0.76 | 0.66 | 2.12 | |
| 503 | 12.92 | 11.35 | 0.48 | 0.30 | 1 | 1.27 | 1.60 | 2.99 | 1.67 | 314 |
| 1665 | 15.98 | 13.72 | 0.75 | 0.53 | 1 | 0.53 | 1.05 | 0.14 | 0.68 | 315 |
| 1355 | 6.98 | 6.77 | 0.27 | 0.18 | 1 | 3.43 | 2.58 | 2.99 | 3.04 | 316 |
| 1643 | 15.70 | 12.35 | 0.66 | 0.44 | 1 | 2.53 | 3.28 | 6.51 | 0.48 | 317 |
| 1356 | 11.06 | 8.66 | 0.39 | 0.25 | 1 | 0.76 | 2.05 | 1.81 | 0.75 | 318 |
| 1357 | 7.57 | 7.11 | 0.26 | 0.21 | 1 | 0.56 | 0.74 | 1.22 | 0.96 | 319 |
| 509 | 10.19 | 7.85 | 0.31 | 0.23 | 1 | 4.67 | 3.01 | 1.12 | 3.33 | 320 |
| 1359 | 6.96 | 6.93 | 0.27 | 0.19 | 1 | 1.50 | 1.36 | 1.91 | 2.99 | 321 |
| 510 | 7.92 | 7.00 | 0.27 | 0.21 | 1 | 1.54 | 1.77 | 0.53 | 2.68 | |
| 1360 | 8.33 | 7.57 | 0.29 | 0.21 | 1 | 0.95 | 2.01 | 0.96 | 1.29 | |
| 514 | 11.53 | 10.02 | 0.41 | 0.25 | 1 | 1.76 | 0.58 | 1.13 | 1.86 | |
| 515 | 8.06 | 7.03 | 0.29 | 0.20 | 1 | 1.59 | 4.21 | 3.22 | 1.85 | 322 |
| 1361 | 8.04 | 7.01 | 0.29 | 0.20 | 1 | 1.44 | 1.61 | 3.23 | 0.92 | 323 |
| 517 | 8.24 | 6.96 | 0.29 | 0.19 | 1 | 2.95 | 0.74 | 0.42 | 4.04 | 324 |
| 516 | 7.07 | 6.78 | 0.26 | 0.17 | 1 | 0.95 | 0.26 | 0.92 | 1.71 | 325 |
| 1364 | 9.50 | 7.85 | 0.32 | 0.22 | 1 | 0.32 | 1.31 | 0.97 | 1.15 | 326 |
| 1365 | 7.59 | 6.98 | 0.27 | 0.20 | 1 | 1.14 | 2.33 | 1.52 | 1.03 | 327 |
| 1366 | 7.11 | 6.62 | 0.27 | 0.18 | 1 | 1.30 | 1.50 | 0.22 | 2.97 | |
| 519 | 8.14 | 6.82 | 0.29 | 0.20 | 1 | 0.80 | 0.84 | 1.11 | 0.88 | |
| 520 | 8.73 | 6.92 | 0.29 | 0.21 | 1 | 0.78 | 0.56 | 0.61 | 0.94 | 328 |
| 1368 | 9.32 | 7.44 | 0.29 | 0.21 | 1 | 1.89 | 0.86 | 0.28 | 1.73 | 329 |
| 523 | 7.33 | 6.50 | 0.26 | 0.18 | 1 | 1.46 | 2.27 | 2.65 | 2.39 | |
| 525 | 7.43 | 6.40 | 0.26 | 0.18 | | 22.09 | 19.80 | 20.59 | 17.29 | |
| 527 | 9.25 | 7.16 | 0.28 | 0.21 | 1 | 0.74 | 1.07 | 1.98 | 0.44 | |
| 1372 | 7.89 | 6.67 | 0.27 | 0.20 | 1 | 1.76 | 2.76 | 2.49 | 1.31 | 330 |
| 529 | 9.72 | 8.42 | 0.37 | 0.24 | 1 | 1.50 | 1.96 | 1.15 | 2.09 | 331 |
| 1374 | 7.64 | 6.37 | 0.26 | 0.19 | 1 | 1.94 | 2.85 | 2.37 | 1.37 | |
| 1375 | 7.29 | 6.35 | 0.26 | 0.18 | 1 | 1.03 | 0.46 | 1.57 | 0.84 | 332 |
| 1376 | 7.58 | 6.82 | 0.27 | 0.20 | 1 | 2.19 | 2.07 | 1.78 | 1.09 | 333 |
| 530 | 10.69 | 9.31 | 0.42 | 0.30 | 1 | 0.92 | 1.35 | 2.08 | 1.21 | 334 |
| 1377 | 9.43 | 7.07 | 0.28 | 0.21 | 1 | 1.90 | 1.11 | 1.45 | 0.95 | 335 |
| 1378 | 7.91 | 6.86 | 0.27 | 0.21 | 1 | 2.03 | 2.55 | 3.12 | 3.95 | |
| 536 | 10.66 | 8.44 | 0.37 | 0.24 | 1 | 0.95 | 0.93 | 0.91 | 0.41 | 336 |
| 1380 | 7.84 | 7.03 | 0.27 | 0.20 | 1 | 0.60 | 1.55 | 1.57 | 1.35 | 337 |
| 537 | 9.44 | 7.47 | 0.28 | 0.22 | 1 | 0.90 | 0.57 | 0.42 | 1.37 | 338 |
| 540 | 9.40 | 7.01 | 0.26 | 0.20 | 1 | 0.53 | 1.22 | 2.08 | 0.57 | 339 |
| 1382 | 7.65 | 6.37 | 0.26 | 0.19 | 1 | 2.03 | 1.67 | 0.71 | 3.01 | 340 |
| 545 | 7.18 | 6.08 | 0.25 | 0.18 | 1 | 5.08 | 4.87 | 5.42 | 1.05 | 341 |
| 1383 | 7.47 | 6.64 | 0.26 | 0.20 | 1 | 0.87 | 2.33 | 1.11 | 3.01 | 342 |
| 544 | 8.47 | 6.69 | 0.26 | 0.21 | 1 | 4.18 | 2.77 | 5.59 | 1.72 | |
| 1384 | 7.92 | 7.10 | 0.26 | 0.21 | 1 | 3.80 | 0.85 | 3.99 | 3.86 | 343 |
| 547 | 6.45 | 6.22 | 0.25 | 0.18 | 1 | 5.48 | 3.25 | 3.43 | 6.77 | 344 |
| 1385 | 7.74 | 6.60 | 0.26 | 0.20 | 1 | 2.51 | 2.52 | 2.25 | 1.84 | |
| 542 | 14.84 | 13.07 | 0.52 | 0.35 | 1 | 2.34 | 1.94 | 2.11 | 1.57 | |
| 1386 | 8.53 | 6.82 | 0.25 | 0.21 | 1 | 1.22 | 1.37 | 1.12 | 0.12 | 345 |
| 1644 | 16.20 | 12.82 | 0.56 | 0.41 | 1 | 0.33 | 1.76 | 1.46 | 0.98 | 346 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------|------------|--------------------------------|-----------------------------|-----------------------------|--|--------------------------------------|
| FK6 No. | HIP No. | Name | α (SI) 2000 h m s | δ (SI) 2000 ° ′ ″ | μ_{α^*} (SI) 2000 [mas/yr] | μ_{δ} (SI) 2000 [mas/yr] |
| 550 | 72607 | β UMi | 14 50 42.326 694 | + 74 9 19.813 56 | - 32.16 | + 11.44 |
| 549 | 72664 | Grb 2164 Dra | 14 51 26.436 532 | + 59 17 38.351 01 | - 120.95 | + 137.40 |
| 1388 | 72869 | +6°2957 Vir | 14 53 39.816 494 | + 6 14 30.469 23 | - 21.97 | + 3.40 |
| 551 | 73087 | ρ 14 ^h 221 Boo | 14 56 13.229 864 | + 14 26 46.548 37 | - 13.60 | - 1.04 |
| 1390 | 73133 | ξ^2 Lib | 14 56 46.113 032 | - 11 24 34.947 52 | + 9.86 | + 8.37 |
| 1392 | 73156 | ρ 14 ^h 227 Boo | 14 57 3.594 184 | + 21 33 19.505 10 | - 24.18 | - 27.37 |
| 552 | 73273 | β Lup | 14 58 31.926 475 | - 43 8 2.254 94 | - 34.51 | - 38.15 |
| 555 | 73555 | β Boo | 15 1 56.762 180 | + 40 23 26.037 21 | - 40.41 | - 29.14 |
| 556 | 73714 | σ Lib | 15 4 4.214 091 | - 25 16 55.070 31 | - 74.11 | - 44.44 |
| 557 | 73745 | ψ Boo | 15 4 26.742 799 | + 26 56 51.530 76 | - 174.66 | - 5.13 |
| 1397 | 73909 | +55°1730 Boo | 15 6 16.717 191 | + 54 33 22.742 91 | + 47.81 | + 12.56 |
| 1396 | 73996 | 45 Boo | 15 7 18.066 006 | + 24 52 9.101 30 | + 184.98 | - 163.81 |
| 1399 | 74604 | 1 Lup | 15 14 37.319 737 | - 31 31 8.835 73 | - 8.97 | + 1.90 |
| 565 | 74605 | 1 H. UMi | 15 14 38.339 452 | + 67 20 48.202 95 | + 221.85 | - 392.07 |
| 564 | 74785 | β Lib | 15 17 0.414 109 | - 9 22 58.495 98 | - 97.60 | - 20.01 |
| 561 | 74824 | β Cir | 15 17 30.850 267 | - 58 48 4.348 68 | - 97.65 | - 135.44 |
| 560 | 74946 | γ TrA | 15 18 54.581 803 | - 68 40 46.360 32 | - 66.70 | - 31.81 |
| 569 | 75097 | γ UMi | 15 20 43.714 547 | + 71 50 2.464 55 | - 18.52 | + 18.44 |
| 1404 | 75288 | 73 G. Lib | 15 22 57.057 805 | - 26 41 19.542 22 | + 16.14 | + 5.76 |
| 1405 | 75294 | 30 Lib | 15 23 1.784 219 | - 15 8 2.510 36 | + 0.25 | + 18.66 |
| 1403 | 75304 | φ^2 Lup | 15 23 9.350 115 | - 36 51 30.560 38 | - 18.08 | - 21.69 |
| 1406 | 75342 | 8 Ser | 15 23 43.710 187 | - 1 1 20.590 41 | + 75.49 | - 29.26 |
| 571 | 75458 | ι Dra | 15 24 55.774 848 | + 58 57 57.828 02 | - 8.17 | + 16.34 |
| 570 | 75530 | τ^1 Ser | 15 25 47.396 890 | + 15 25 40.935 18 | - 13.62 | - 6.91 |
| 1407 | 75730 | 32 Lib | 15 28 15.407 989 | - 16 42 59.341 17 | + 16.34 | - 33.15 |
| 1408 | 75971 | +9°3055 Ser | 15 30 55.433 484 | + 8 34 44.727 87 | + 31.00 | - 3.70 |
| 573 | 75973 | ν^1 Boo | 15 30 55.758 857 | + 40 49 58.971 41 | + 10.41 | - 8.45 |
| 1409 | 76219 | 37 Lib | 15 34 10.701 669 | - 10 3 52.306 49 | + 307.07 | - 234.48 |
| 1410 | 76397 | 115 G. Lup | 15 36 12.099 671 | - 44 23 48.566 27 | - 45.16 | - 55.51 |
| 574 | 76440 | ε TrA | 15 36 43.222 724 | - 66 19 1.333 49 | + 24.67 | - 54.47 |
| 580 | 76534 | φ Boo | 15 37 49.597 767 | + 40 21 12.363 94 | + 61.13 | + 60.19 |
| 1666 | 76996 | ρ Oct | 15 43 16.927 166 | - 84 27 54.988 52 | + 136.61 | + 96.05 |
| 1645 | 77013 | Grb 2315 UMi | 15 43 27.112 748 | + 82 56 50.139 41 | + 10.80 | - 0.94 |
| 590 | 77055 | ζ UMi | 15 44 3.519 828 | + 77 47 40.181 68 | + 20.25 | - 1.70 |
| 587 | 77277 | 12 H. Dra | 15 46 40.005 544 | + 62 35 58.407 06 | + 40.17 | - 56.35 |
| 584 | 77450 | κ Ser | 15 48 44.376 468 | + 18 8 29.632 81 | - 52.39 | - 88.30 |
| 588 | 77622 | ε Ser | 15 50 48.965 556 | + 4 28 39.830 11 | + 127.07 | + 62.02 |
| 1414 | 77655 | κ CrB | 15 51 13.931 747 | + 35 39 26.574 64 | - 7.81 | - 347.46 |
| 591 | 78072 | γ Ser | 15 56 27.182 537 | + 15 39 41.815 59 | + 310.83 | - 1282.75 |
| 595 | 78180 | Grb 2296 Dra | 15 57 47.441 610 | + 54 44 59.151 27 | - 149.72 | + 107.23 |
| 1417 | 78207 | 48 Lib | 15 58 11.368 258 | - 14 16 45.685 87 | - 13.32 | - 16.24 |
| 1418 | 78323 | 144 G. Lup | 15 59 30.265 834 | - 41 44 39.969 14 | - 38.39 | - 16.40 |
| 1420 | 78436 | 50 Lib | 16 0 47.632 433 | - 8 24 40.879 15 | - 15.37 | - 12.81 |
| 1422 | 79137 | +6°3169 Ser | 16 9 11.207 230 | + 6 22 43.312 98 | + 245.53 | - 745.56 |
| 606 | 79280 | 19 UMi | 16 10 49.525 326 | + 75 52 39.222 06 | - 1.34 | + 12.72 |
| 603 | 79593 | δ Oph | 16 14 20.739 864 | - 3 41 39.570 39 | - 45.13 | - 143.81 |
| 1425 | 79724 | 17 Her | 16 16 16.720 316 | + 23 7 21.813 14 | - 12.73 | - 12.59 |
| 1424 | 80047 | δ^1 Aps | 16 20 20.808 342 | - 78 41 44.679 46 | - 8.98 | - 36.28 |
| 1427 | 80179 | σ Ser | 16 22 4.348 403 | + 1 1 44.554 65 | - 157.04 | + 49.70 |
| 614 | 80375 | Grb 2343 Dra | 16 24 25.338 147 | + 55 12 18.342 94 | + 11.16 | + 20.43 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|--|---|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | ε_{α^*} (SI) [mas] | $\varepsilon_{\mu,\alpha^*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 550 | 91.27 | 0.44 | 0.24 | 91.22 | 0.49 | 0.22 | 25.79 | 0.52 | H | + 16.8 | 2.07 | 1 | 39 | | |
| 549 | 91.34 | 0.41 | 0.27 | 91.43 | 0.45 | 0.29 | 7.38 | 0.48 | H | + 11.4 | 5.48 | | 19 | | 1 |
| 1388 | 91.26 | 0.92 | 0.40 | 91.33 | 0.58 | 0.39 | 5.00 | 1.20 | P | - 25.0 | 6.63 | | 11 | 1 | 3 |
| 551 | 91.45 | 0.67 | 0.30 | 91.39 | 0.52 | 0.29 | 5.96 | 0.74 | H | - 22.0 | 5.90 | | 19 | | 1 |
| 1390 | 91.02 | 0.72 | 0.28 | 91.20 | 0.48 | 0.25 | 6.06 | 0.79 | H | + 14.6 | 5.48 | | 29 | 2 | |
| 1392 | 90.94 | 0.42 | 0.34 | 91.11 | 0.50 | 0.40 | 7.34 | 0.82 | H | - 10.8 | 6.50 | | 11 | 1 | 3 |
| 552 | 91.24 | 0.55 | 0.48 | 91.11 | 0.39 | 0.42 | 6.23 | 0.71 | H | + 0.2 | 2.68 | 1 | 19 | | 1 |
| 555 | 91.33 | 0.42 | 0.24 | 91.23 | 0.44 | 0.25 | 14.91 | 0.57 | H | - 19.9 | 3.49 | | 31 | | |
| 556 | 91.17 | 0.84 | 0.32 | 91.10 | 0.62 | 0.33 | 11.17 | 0.98 | H | - 4.2 | 3.25 | | 13 | | |
| 557 | 91.06 | 0.53 | 0.24 | 91.21 | 0.38 | 0.25 | 13.04 | 0.68 | H | - 25.5 | 4.52 | | 31 | | |
| 1397 | 91.31 | 0.44 | 0.34 | 91.25 | 0.43 | 0.35 | 12.53 | 0.53 | H | + 16.1 | 5.24 | | 19 | | 1 |
| 1396 | 91.17 | 0.57 | 0.33 | 91.44 | 0.44 | 0.33 | 50.70 | 0.76 | H | - 9.8 | 4.93 | | 19 | | 1 |
| 1399 | 91.31 | 0.75 | 0.45 | 91.13 | 0.62 | 0.45 | 1.54 | 0.35 | P | - 22.8 | 4.91 | | 11 | 1 | 3 |
| 565 | 91.53 | 0.40 | 0.27 | 91.46 | 0.44 | 0.28 | 39.51 | 0.47 | H | - 48.0 | 5.15 | | 31 | | |
| 564 | 90.96 | 0.74 | 0.21 | 91.11 | 0.52 | 0.20 | 20.38 | 0.87 | H | - 35.2 | 2.61 | | 19 | | 1 |
| 561 | 91.05 | 0.57 | 0.53 | 91.35 | 0.51 | 0.49 | 33.75 | 0.75 | H | + 9.6 | 4.07 | | 11 | 1 | 3 |
| 560 | 91.23 | 0.29 | 0.30 | 91.04 | 0.38 | 0.37 | 17.85 | 0.52 | H | - 3.0 | 2.87 | | 19 | | 1 |
| 569 | 91.21 | 0.44 | 0.27 | 91.14 | 0.39 | 0.23 | 6.79 | 0.46 | H | - 3.9 | 3.00 | | 19 | | 1 |
| 1404 | 91.33 | 0.83 | 0.55 | 91.24 | 0.69 | 0.52 | 5.26 | 1.14 | H | - 8.9 | 6.53 | | 21 | 2 | |
| 1405 | 90.90 | 0.79 | 0.32 | 91.00 | 0.59 | 0.34 | 4.18 | 0.94 | H | + 13.7 | 6.46 | 1 | 21 | 2 | |
| 1403 | 91.07 | 0.62 | 0.47 | 91.12 | 0.47 | 0.43 | 5.38 | 0.77 | H | + 2.3 | 4.54 | | 18 | | |
| 1406 | 90.97 | 0.66 | 0.37 | 91.13 | 0.47 | 0.37 | 18.20 | 0.78 | H | - 2.2 | 6.11 | | 39 | | |
| 571 | 91.50 | 0.41 | 0.25 | 91.54 | 0.44 | 0.25 | 31.92 | 0.51 | H | - 11.1 | 3.29 | | 35 | | |
| 570 | 91.68 | 0.60 | 0.31 | 91.28 | 0.45 | 0.30 | 3.55 | 0.76 | H | - 19.8 | 5.16 | | 11 | 1 | 3 |
| 1407 | 90.77 | 0.79 | 0.28 | 90.92 | 0.52 | 0.28 | 3.59 | 0.93 | H | - 21.4 | 5.64 | | 19 | | 1 |
| 1408 | 90.87 | 0.81 | 0.44 | 91.19 | 0.55 | 0.42 | 19.73 | 0.92 | H | - 1.0 | 6.57 | | 11 | 1 | 3 |
| 573 | 91.28 | 0.42 | 0.27 | 91.19 | 0.43 | 0.29 | 3.74 | 0.54 | H | - 10.4 | 5.04 | 1 | 11 | 1 | 3 |
| 1409 | 91.00 | 0.71 | 0.35 | 91.10 | 0.47 | 0.32 | 34.54 | 0.78 | H | + 47.7 | 4.61 | | 11 | 1 | 3 |
| 1410 | 91.33 | 0.70 | 0.50 | 91.12 | 0.51 | 0.54 | 4.95 | 0.92 | H | - 19.4 | 5.44 | 1 | 11 | 1 | 3 |
| 574 | 91.37 | 0.32 | 0.30 | 90.96 | 0.42 | 0.40 | 15.09 | 0.62 | H | - 15.5 | 4.11 | | 19 | | 1 |
| 580 | 91.31 | 0.41 | 0.28 | 91.12 | 0.45 | 0.31 | 20.00 | 0.56 | H | - 9.7 | 5.25 | | 39 | | |
| 1666 | 91.27 | 0.38 | 0.30 | 91.32 | 0.45 | 0.33 | 15.02 | 0.51 | H | - 11.0 | 5.57 | | 15 | 1 | 3 |
| 1645 | 91.36 | 0.45 | 0.34 | 91.27 | 0.50 | 0.36 | 6.86 | 0.56 | H | - 8.0 | 7.45 | | 11 | 1 | 3 |
| 590 | 91.27 | 0.42 | 0.24 | 91.06 | 0.42 | 0.24 | 8.68 | 0.47 | H | - 13.1 | 4.29 | | 19 | | 1 |
| 587 | 91.45 | 0.45 | 0.30 | 91.26 | 0.44 | 0.31 | 12.00 | 0.50 | H | - 6.3 | 5.19 | | 19 | | 1 |
| 584 | 91.76 | 0.58 | 0.30 | 91.42 | 0.58 | 0.31 | 9.36 | 0.81 | H | - 38.7 | 4.09 | 1 | 31 | | |
| 588 | 90.81 | 0.65 | 0.26 | 90.93 | 0.46 | 0.25 | 46.39 | 0.74 | H | - 9.4 | 3.71 | | 19 | | 1 |
| 1414 | 91.22 | 0.45 | 0.36 | 91.22 | 0.48 | 0.40 | 32.13 | 0.61 | H | - 24.0 | 4.79 | | 15 | 1 | 3 |
| 591 | 90.79 | 0.67 | 0.27 | 91.04 | 0.50 | 0.27 | 89.92 | 0.72 | H | + 6.5 | 3.85 | | 39 | | |
| 595 | 91.31 | 0.46 | 0.28 | 91.14 | 0.44 | 0.28 | 29.57 | 0.50 | H | - 11.0 | 4.96 | | 39 | | |
| 1417 | 91.14 | 0.74 | 0.39 | 91.10 | 0.42 | 0.39 | 6.36 | 0.79 | H | - 5.6 | 4.95 | 1 | 19 | | 1 |
| 1418 | 91.23 | 0.64 | 0.49 | 90.98 | 0.44 | 0.48 | 8.59 | 0.79 | H | - 27.0 | 4.99 | | 11 | 1 | 3 |
| 1420 | 90.88 | 0.70 | 0.46 | 91.01 | 0.44 | 0.45 | 7.10 | 0.75 | H | - 19.4 | 5.53 | | 19 | | 1 |
| 1422 | 90.97 | 0.70 | 0.43 | 91.07 | 0.58 | 0.41 | 32.84 | 0.96 | H | - 4.5 | 5.93 | | 29 | 2 | |
| 606 | 91.28 | 0.43 | 0.28 | 91.07 | 0.43 | 0.28 | 4.90 | 0.46 | H | - 0.9 | 5.48 | | 19 | | 1 |
| 603 | 90.83 | 0.74 | 0.21 | 91.16 | 0.67 | 0.21 | 19.16 | 1.02 | H | - 19.9 | 2.73 | | 19 | | 1 |
| 1425 | 91.39 | 0.47 | 0.33 | 91.16 | 0.48 | 0.35 | 7.51 | 0.73 | H | + 13.7 | 6.57 | | 11 | 1 | 3 |
| 1424 | 91.25 | 0.42 | 0.35 | 91.25 | 0.46 | 0.40 | 4.26 | 0.57 | H | - 12.0 | 4.68 | 2 | 23 | 2 | |
| 1427 | 90.79 | 0.80 | 0.36 | 91.21 | 0.77 | 0.35 | 36.56 | 1.01 | H | - 45.5 | 4.82 | | 19 | | 1 |
| 614 | 91.22 | 0.44 | 0.29 | 91.35 | 0.46 | 0.31 | 8.90 | 0.49 | H | - 4.4 | 5.75 | | 15 | 1 | 3 |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------------|--|---------|----------|----------|--------------------------------------|---------|---------|----------|
| FK6 No. | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 550 | + 23.71 | - 1.06 | - 1.15 | + 122.58 | + 2.27 | + 3.93 | + 4.11 | + 17.25 |
| 549 | - 6.10 | + 0.47 | + 0.57 | - 60.60 | - 0.38 | - 3.07 | - 3.50 | - 18.44 |
| 1388 | - 1.70 | - 3.74 | - 6.29 | - 16.35 | - 1.21 | + 6.62 | + 9.08 | + 11.32 |
| 551 | - 2.38 | + 5.20 | + 6.59 | - 11.07 | + 0.47 | + 6.78 | + 8.03 | + 32.39 |
| 1390 | + 0.65 | - 11.69 | - 17.96 | + 20.86 | - 4.35 | + 20.58 | + 25.17 | - 39.61 |
| 1392 | + 3.66 | - 2.12 | - 2.82 | + 41.35 | - 1.43 | + 2.52 | + 3.38 | - 22.76 |
| 552 | - 2.31 | + 2.82 | + 3.97 | - 21.66 | + 1.01 | - 1.16 | - 1.35 | - 13.08 |
| 555 | - 16.79 | + 1.67 | + 1.84 | - 63.34 | + 4.73 | - 0.64 | - 0.73 | + 34.02 |
| 556 | - 4.65 | + 12.91 | + 19.80 | - 37.97 | - 0.01 | - 3.04 | - 2.40 | - 7.01 |
| 557 | - 9.05 | - 12.66 | - 14.41 | - 33.81 | - 8.23 | + 4.08 | + 5.00 | - 54.71 |
| 1397 | + 3.62 | - 5.82 | - 6.42 | - 1.61 | + 5.28 | + 2.00 | + 2.27 | + 58.64 |
| 1396 | - 5.76 | - 1.27 | - 1.44 | - 17.92 | - 19.12 | + 2.22 | + 2.56 | - 90.03 |
| 1399 | + 3.52 | - 2.86 | - 6.50 | + 87.39 | + 0.68 | - 0.58 | - 0.56 | - 74.32 |
| 565 | - 3.21 | - 2.77 | - 2.85 | - 16.07 | + 11.34 | - 1.96 | - 2.13 | + 62.92 |
| 564 | + 13.50 | + 9.50 | + 10.64 | + 54.88 | + 2.88 | - 6.13 | - 6.65 | + 15.82 |
| 561 | + 7.19 | - 5.60 | - 6.59 | + 47.51 | - 7.42 | - 0.15 | - 0.34 | - 100.32 |
| 560 | - 6.14 | + 1.75 | + 1.93 | - 17.14 | + 1.53 | - 1.62 | - 1.71 | - 11.59 |
| 569 | - 0.03 | + 3.83 | + 4.37 | + 4.30 | + 5.42 | - 6.13 | - 6.76 | + 47.79 |
| 1404 | + 10.43 | - 8.44 | - 15.75 | + 215.80 | - 0.52 | - 7.04 | - 10.12 | - 127.98 |
| 1405 | + 0.25 | - 0.90 | + 0.10 | - 5.73 | + 1.31 | - 15.46 | - 21.21 | - 52.47 |
| 1403 | - 1.08 | + 0.19 | + 0.28 | - 22.40 | - 1.63 | + 1.07 | + 1.42 | - 38.03 |
| 1406 | - 0.73 | + 9.75 | + 11.00 | + 3.12 | - 3.68 | + 8.39 | + 9.18 | - 10.11 |
| 571 | - 13.06 | - 0.90 | - 0.91 | - 48.25 | - 9.75 | + 7.76 | + 8.10 | - 36.78 |
| 570 | + 0.84 | - 2.20 | - 3.06 | + 1.55 | - 0.31 | - 4.11 | - 5.12 | - 36.99 |
| 1407 | - 0.49 | + 1.72 | + 2.92 | - 10.12 | - 1.64 | - 1.44 | - 1.89 | - 61.28 |
| 1408 | + 10.66 | - 2.88 | - 4.15 | + 53.93 | + 3.87 | + 2.56 | + 3.28 | + 30.17 |
| 573 | + 1.51 | + 4.24 | + 5.28 | + 28.99 | + 1.49 | - 2.45 | - 3.16 | + 16.51 |
| 1409 | + 1.88 | - 11.68 | - 13.02 | + 5.53 | - 5.93 | + 2.98 | + 3.34 | - 31.35 |
| 1410 | - 5.10 | + 0.86 | + 1.29 | - 4.97 | - 5.17 | + 1.78 | + 3.02 | + 45.97 |
| 574 | + 10.78 | - 1.19 | - 1.36 | + 83.78 | - 3.26 | - 1.49 | - 1.67 | - 105.20 |
| 580 | + 9.91 | - 5.56 | - 5.90 | + 38.76 | + 6.23 | - 5.15 | - 5.51 | + 34.88 |
| 1666 | - 5.80 | + 3.11 | + 3.27 | - 13.95 | - 3.27 | + 5.56 | + 5.98 | + 14.17 |
| 1645 | + 2.75 | - 0.70 | - 0.79 | + 38.10 | + 4.17 | - 0.45 | - 0.53 | + 96.71 |
| 590 | + 4.46 | - 1.51 | - 1.60 | + 47.22 | - 0.10 | - 6.50 | - 7.12 | - 27.30 |
| 587 | - 8.90 | - 1.35 | - 1.44 | - 55.13 | - 2.09 | - 1.57 | - 1.66 | - 25.24 |
| 584 | + 12.94 | + 4.28 | + 5.04 | + 82.57 | - 1.17 | - 2.77 | - 3.63 | - 10.82 |
| 588 | + 4.41 | + 7.55 | + 8.28 | + 12.48 | + 17.24 | - 1.28 | - 1.47 | + 70.52 |
| 1414 | - 1.90 | - 2.18 | - 2.27 | - 10.02 | - 2.67 | + 0.38 | + 0.47 | - 14.13 |
| 591 | + 2.20 | + 3.05 | + 3.33 | + 5.48 | + 21.73 | + 5.07 | + 5.25 | + 82.72 |
| 595 | - 8.28 | - 3.89 | - 4.06 | - 31.04 | + 4.62 | - 6.38 | - 6.74 | + 17.20 |
| 1417 | - 1.21 | + 6.67 | + 9.05 | - 4.27 | + 0.44 | - 3.63 | - 4.70 | - 14.06 |
| 1418 | - 11.53 | + 4.01 | + 5.48 | - 54.81 | - 3.43 | - 0.54 | - 0.99 | + 20.47 |
| 1420 | - 0.07 | + 2.26 | + 3.00 | + 4.80 | - 4.54 | + 5.66 | + 7.37 | - 37.38 |
| 1422 | - 87.25 | + 97.00 | + 113.57 | - 404.74 | + 56.14 | - 4.11 | - 10.69 | + 550.57 |
| 606 | + 4.79 | - 0.29 | - 0.38 | + 76.60 | - 2.28 | + 3.48 | + 4.20 | - 33.55 |
| 603 | - 2.40 | - 4.83 | - 6.16 | - 8.61 | + 9.82 | + 6.50 | + 7.69 | + 57.41 |
| 1425 | - 5.66 | - 1.13 | - 1.22 | - 46.89 | + 5.00 | + 1.42 | + 1.60 | + 63.11 |
| 1424 | + 13.80 | - 6.18 | - 8.10 | + 117.90 | + 1.77 | - 1.95 | - 2.63 | - 51.89 |
| 1427 | + 10.02 | + 6.76 | + 8.88 | + 37.54 | + 2.17 | - 11.71 | - 13.97 | + 8.58 |
| 614 | - 1.37 | + 5.61 | + 6.22 | + 4.45 | + 0.11 | + 1.82 | + 2.08 | + 4.32 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|---|--------|--------|--------|---------|---|--------|--------|--------|---------|
| FK6 | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| No. | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 550 | + 0.35 | - 0.12 | - 0.13 | + 1.56 | - 0.54 | - 0.06 | + 0.45 | + 0.47 | + 0.08 | - 0.16 |
| 549 | - 0.14 | + 0.05 | + 0.06 | - 0.92 | + 0.33 | + 0.12 | - 0.36 | - 0.41 | - 0.09 | + 0.27 |
| 1388 | + 0.00 | - 0.40 | - 0.68 | - 0.25 | + 0.20 | - 0.29 | + 0.76 | + 1.04 | - 0.18 | - 0.54 |
| 551 | - 0.15 | + 0.65 | + 0.82 | - 0.31 | - 0.08 | - 0.23 | + 0.81 | + 0.96 | + 0.16 | - 0.53 |
| 1390 | + 0.05 | - 1.24 | - 1.93 | + 0.34 | - 0.04 | - 0.45 | + 2.33 | + 2.84 | - 0.95 | - 0.40 |
| 1392 | + 0.14 | - 0.24 | - 0.32 | + 0.82 | - 0.17 | - 0.10 | + 0.29 | + 0.39 | - 0.48 | - 0.01 |
| 552 | - 0.21 | + 0.32 | + 0.45 | - 0.56 | - 0.08 | + 0.18 | - 0.13 | - 0.15 | + 0.04 | + 0.34 |
| 555 | - 0.28 | + 0.19 | + 0.21 | - 0.93 | + 0.46 | + 0.07 | - 0.07 | - 0.08 | + 0.40 | - 0.15 |
| 556 | - 0.15 | + 1.47 | + 2.26 | - 0.63 | + 0.10 | + 0.09 | - 0.33 | - 0.25 | + 0.02 | + 0.15 |
| 557 | + 0.02 | - 1.45 | - 1.65 | - 0.33 | + 0.49 | - 0.09 | + 0.50 | + 0.61 | - 0.68 | + 0.29 |
| 1397 | + 0.63 | - 0.67 | - 0.74 | + 0.59 | + 0.82 | - 0.01 | + 0.22 | + 0.25 | + 0.83 | - 0.72 |
| 1396 | - 0.09 | - 0.15 | - 0.17 | - 0.28 | + 0.19 | - 0.34 | + 0.26 | + 0.30 | - 1.37 | + 0.54 |
| 1399 | + 0.32 | - 0.33 | - 0.75 | + 2.00 | - 0.30 | + 0.15 | - 0.07 | - 0.07 | - 0.75 | + 0.85 |
| 565 | + 0.16 | - 0.33 | - 0.34 | - 0.03 | + 0.41 | + 0.22 | - 0.23 | - 0.25 | + 0.85 | - 0.23 |
| 564 | + 0.10 | + 1.08 | + 1.21 | + 0.57 | - 0.34 | + 0.09 | - 0.69 | - 0.75 | + 0.23 | + 0.02 |
| 561 | + 0.46 | - 0.63 | - 0.74 | + 1.15 | + 0.09 | - 0.23 | + 0.00 | - 0.02 | - 1.48 | + 0.39 |
| 560 | - 0.64 | + 0.20 | + 0.22 | - 0.84 | - 0.57 | + 0.29 | - 0.18 | - 0.19 | + 0.15 | + 0.42 |
| 569 | - 0.10 | + 0.43 | + 0.49 | - 0.06 | - 0.17 | + 0.31 | - 0.69 | - 0.76 | + 0.81 | + 0.08 |
| 1404 | + 0.46 | - 1.00 | - 1.86 | + 4.10 | - 1.30 | + 0.34 | - 0.82 | - 1.18 | - 1.22 | + 1.56 |
| 1405 | + 0.08 | - 0.10 | + 0.01 | + 0.01 | + 0.15 | + 0.51 | - 1.73 | - 2.37 | + 0.02 | + 1.08 |
| 1403 | - 0.04 | + 0.02 | + 0.03 | - 0.37 | + 0.18 | - 0.13 | + 0.12 | + 0.16 | - 0.64 | + 0.04 |
| 1406 | - 0.30 | + 1.10 | + 1.24 | - 0.27 | - 0.44 | - 0.42 | + 0.96 | + 1.05 | - 0.55 | - 0.43 |
| 571 | - 0.13 | - 0.10 | - 0.10 | - 0.64 | + 0.49 | - 0.40 | + 0.92 | + 0.96 | - 0.72 | - 0.13 |
| 570 | + 0.08 | - 0.29 | - 0.40 | + 0.12 | + 0.10 | + 0.18 | - 0.48 | - 0.60 | - 0.28 | + 0.53 |
| 1407 | - 0.02 | + 0.19 | + 0.32 | - 0.15 | + 0.03 | + 0.01 | - 0.16 | - 0.21 | - 0.64 | + 0.29 |
| 1408 | + 0.22 | - 0.31 | - 0.45 | + 1.06 | - 0.49 | + 0.01 | + 0.29 | + 0.37 | + 0.45 | - 0.31 |
| 573 | - 0.14 | + 0.49 | + 0.61 | + 0.23 | - 0.52 | + 0.12 | - 0.28 | - 0.36 | + 0.34 | + 0.04 |
| 1409 | + 0.24 | - 1.31 | - 1.46 | + 0.33 | + 0.24 | - 0.14 | + 0.33 | + 0.37 | - 0.48 | + 0.12 |
| 1410 | - 0.68 | + 0.10 | + 0.15 | - 1.00 | - 1.15 | - 0.80 | + 0.20 | + 0.34 | - 0.28 | - 2.07 |
| 574 | + 0.68 | - 0.14 | - 0.16 | + 1.93 | - 0.15 | + 0.16 | - 0.17 | - 0.19 | - 1.16 | + 0.99 |
| 580 | + 0.46 | - 0.64 | - 0.68 | + 0.91 | + 0.13 | + 0.37 | - 0.58 | - 0.62 | + 0.74 | + 0.17 |
| 1666 | - 0.64 | + 0.37 | + 0.39 | - 0.78 | - 0.64 | - 0.48 | + 0.65 | + 0.70 | - 0.32 | - 0.57 |
| 1645 | + 0.11 | - 0.08 | - 0.09 | + 0.65 | - 0.19 | + 0.08 | - 0.05 | - 0.06 | + 1.33 | - 0.48 |
| 590 | + 0.15 | - 0.17 | - 0.18 | + 0.67 | - 0.10 | + 0.23 | - 0.73 | - 0.80 | - 0.02 | + 0.38 |
| 587 | - 0.07 | - 0.16 | - 0.17 | - 0.78 | + 0.56 | + 0.07 | - 0.18 | - 0.19 | - 0.22 | + 0.32 |
| 584 | + 0.11 | + 0.52 | + 0.61 | + 1.11 | - 0.82 | + 0.00 | - 0.32 | - 0.42 | - 0.12 | + 0.09 |
| 588 | - 0.01 | + 0.83 | + 0.91 | + 0.09 | - 0.19 | + 0.22 | - 0.13 | - 0.15 | + 0.85 | - 0.35 |
| 1414 | + 0.13 | - 0.25 | - 0.26 | - 0.02 | + 0.36 | - 0.05 | + 0.04 | + 0.05 | - 0.23 | + 0.14 |
| 591 | - 0.01 | + 0.33 | + 0.36 | + 0.04 | - 0.10 | + 0.19 | + 0.57 | + 0.59 | + 0.95 | - 0.60 |
| 595 | - 0.02 | - 0.44 | - 0.46 | - 0.37 | + 0.40 | + 0.33 | - 0.72 | - 0.76 | + 0.51 | + 0.24 |
| 1417 | - 0.18 | + 0.76 | + 1.03 | - 0.29 | - 0.23 | + 0.17 | - 0.41 | - 0.53 | + 0.03 | + 0.37 |
| 1418 | - 1.25 | + 0.46 | + 0.63 | - 2.48 | - 1.08 | - 0.52 | - 0.06 | - 0.11 | - 0.23 | - 0.96 |
| 1420 | - 0.10 | + 0.24 | + 0.32 | - 0.03 | - 0.20 | - 0.44 | + 0.63 | + 0.82 | - 1.11 | - 0.29 |
| 1422 | - 4.61 | +10.79 | +12.64 | -11.05 | - 1.13 | - 0.48 | - 0.39 | - 1.12 | + 7.54 | - 4.87 |
| 606 | + 0.10 | - 0.03 | - 0.04 | + 1.10 | - 0.40 | - 0.17 | + 0.39 | + 0.47 | - 0.56 | - 0.05 |
| 603 | - 0.02 | - 0.55 | - 0.70 | - 0.10 | + 0.05 | + 0.07 | + 0.76 | + 0.90 | + 0.57 | - 0.25 |
| 1425 | - 0.03 | - 0.13 | - 0.14 | - 0.76 | + 0.54 | + 0.01 | + 0.16 | + 0.18 | + 0.93 | - 0.57 |
| 1424 | + 1.38 | - 0.71 | - 0.93 | + 3.20 | + 0.75 | + 0.33 | - 0.23 | - 0.31 | - 0.23 | + 0.84 |
| 1427 | + 0.18 | + 0.79 | + 1.03 | + 0.61 | - 0.32 | + 0.21 | - 1.35 | - 1.61 | + 0.33 | + 0.20 |
| 614 | - 0.31 | + 0.64 | + 0.71 | - 0.26 | - 0.43 | - 0.04 | + 0.21 | + 0.24 | + 0.01 | - 0.08 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------|------------|-------|-------|-------|--------------------------------|------|------|-------|--|------|------|------|---------|
| FK6 | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu, \alpha^*}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 550 | 67.98 | 91.30 | 91.30 | 39.34 | 11.71 | 0.44 | 0.44 | 17.48 | 0.34 | 0.44 | 0.45 | 0.52 | 0.34 |
| 549 | 80.82 | 91.38 | 91.38 | 48.89 | 8.84 | 0.42 | 0.42 | 17.80 | 0.37 | 0.42 | 0.43 | 0.61 | 0.42 |
| 1388 | 84.37 | 91.34 | 91.34 | 61.54 | 7.48 | 0.96 | 0.96 | 15.52 | 0.46 | 0.88 | 1.08 | 0.80 | 0.52 |
| 551 | 80.94 | 91.53 | 91.53 | 56.35 | 7.76 | 0.69 | 0.69 | 14.25 | 0.35 | 0.66 | 0.73 | 0.54 | 0.41 |
| 1390 | 79.71 | 91.08 | 91.08 | 43.21 | 8.13 | 0.74 | 0.74 | 16.61 | 0.31 | 0.86 | 1.03 | 0.52 | 0.35 |
| 1392 | 83.36 | 91.06 | 91.06 | 56.81 | 8.92 | 0.44 | 0.44 | 18.65 | 0.48 | 0.55 | 0.59 | 0.85 | 0.54 |
| 552 | 87.49 | 91.27 | 91.27 | 56.16 | 8.91 | 0.55 | 0.55 | 27.19 | 0.58 | 0.74 | 0.82 | 0.92 | 0.77 |
| 555 | 71.91 | 91.36 | 91.36 | 51.70 | 9.67 | 0.43 | 0.43 | 13.82 | 0.33 | 0.49 | 0.50 | 0.45 | 0.35 |
| 556 | 77.39 | 91.30 | 91.30 | 46.65 | 10.10 | 0.86 | 0.86 | 18.11 | 0.37 | 1.19 | 1.47 | 0.59 | 0.41 |
| 557 | 71.36 | 91.25 | 91.25 | 53.28 | 8.90 | 0.56 | 0.56 | 12.30 | 0.32 | 0.70 | 0.74 | 0.44 | 0.32 |
| 1397 | 81.16 | 91.31 | 91.31 | 62.72 | 10.21 | 0.44 | 0.44 | 17.17 | 0.54 | 0.47 | 0.48 | 0.85 | 0.60 |
| 1396 | 73.66 | 91.25 | 91.25 | 58.90 | 11.70 | 0.57 | 0.57 | 15.87 | 0.46 | 0.73 | 0.76 | 0.61 | 0.49 |
| 1399 | 90.17 | 91.33 | 91.33 | 60.75 | 4.73 | 0.75 | 0.75 | 24.73 | 0.53 | 0.56 | 0.69 | 0.94 | 0.81 |
| 565 | 72.88 | 91.55 | 91.55 | 55.29 | 11.81 | 0.40 | 0.40 | 16.53 | 0.43 | 0.42 | 0.42 | 0.59 | 0.46 |
| 564 | 62.67 | 91.11 | 91.11 | 36.39 | 10.32 | 0.74 | 0.74 | 14.29 | 0.27 | 0.84 | 0.89 | 0.40 | 0.26 |
| 561 | 82.61 | 91.02 | 91.02 | 56.14 | 14.37 | 0.58 | 0.58 | 29.00 | 0.70 | 0.86 | 0.90 | 1.11 | 0.83 |
| 560 | 83.12 | 91.23 | 91.23 | 54.72 | 12.63 | 0.29 | 0.29 | 26.78 | 0.60 | 0.35 | 0.35 | 0.91 | 0.73 |
| 569 | 80.46 | 91.23 | 91.23 | 47.88 | 8.50 | 0.44 | 0.44 | 17.03 | 0.33 | 0.51 | 0.53 | 0.52 | 0.39 |
| 1404 | 87.84 | 91.34 | 91.34 | 58.05 | 8.27 | 0.86 | 0.86 | 25.65 | 0.61 | 0.96 | 1.21 | 1.05 | 0.77 |
| 1405 | 84.24 | 90.99 | 90.99 | 48.09 | 7.18 | 0.79 | 0.79 | 17.90 | 0.35 | 0.75 | 0.91 | 0.60 | 0.42 |
| 1403 | 87.87 | 91.09 | 91.09 | 56.80 | 8.37 | 0.62 | 0.62 | 26.85 | 0.58 | 0.68 | 0.75 | 0.96 | 0.78 |
| 1406 | 77.56 | 91.00 | 91.00 | 56.35 | 11.25 | 0.67 | 0.67 | 17.98 | 0.47 | 0.80 | 0.85 | 0.68 | 0.52 |
| 571 | 72.12 | 91.53 | 91.53 | 53.59 | 11.50 | 0.41 | 0.41 | 16.14 | 0.41 | 0.38 | 0.38 | 0.55 | 0.43 |
| 570 | 84.70 | 91.72 | 91.72 | 57.71 | 6.47 | 0.62 | 0.62 | 14.53 | 0.36 | 0.63 | 0.72 | 0.57 | 0.43 |
| 1407 | 83.41 | 90.88 | 90.88 | 42.90 | 6.68 | 0.79 | 0.79 | 16.71 | 0.30 | 0.77 | 0.98 | 0.51 | 0.35 |
| 1408 | 78.70 | 90.90 | 90.90 | 62.21 | 11.15 | 0.81 | 0.81 | 16.98 | 0.55 | 1.04 | 1.16 | 0.81 | 0.59 |
| 573 | 84.07 | 91.31 | 91.31 | 55.06 | 6.62 | 0.42 | 0.42 | 14.85 | 0.33 | 0.48 | 0.52 | 0.50 | 0.41 |
| 1409 | 73.99 | 91.07 | 91.07 | 56.47 | 11.79 | 0.71 | 0.71 | 16.74 | 0.45 | 0.83 | 0.87 | 0.62 | 0.48 |
| 1410 | 89.44 | 91.34 | 91.34 | 67.88 | 8.14 | 0.70 | 0.70 | 29.12 | 0.86 | 0.55 | 0.59 | 1.72 | 1.24 |
| 574 | 85.46 | 91.39 | 91.39 | 59.04 | 12.29 | 0.32 | 0.32 | 29.00 | 0.71 | 0.33 | 0.33 | 1.12 | 0.90 |
| 580 | 73.85 | 91.33 | 91.33 | 51.99 | 11.05 | 0.41 | 0.41 | 16.60 | 0.41 | 0.48 | 0.49 | 0.60 | 0.42 |
| 1666 | 81.71 | 91.27 | 91.27 | 44.68 | 12.09 | 0.39 | 0.39 | 26.70 | 0.50 | 0.38 | 0.38 | 0.83 | 0.57 |
| 1645 | 85.15 | 91.38 | 91.38 | 52.67 | 9.04 | 0.46 | 0.46 | 22.71 | 0.49 | 0.45 | 0.47 | 0.83 | 0.59 |
| 590 | 78.29 | 91.29 | 91.29 | 37.12 | 9.53 | 0.42 | 0.42 | 19.48 | 0.33 | 0.39 | 0.40 | 0.58 | 0.36 |
| 587 | 78.19 | 91.48 | 91.48 | 55.39 | 9.96 | 0.45 | 0.45 | 16.50 | 0.41 | 0.51 | 0.53 | 0.61 | 0.46 |
| 584 | 78.37 | 91.72 | 91.72 | 53.75 | 9.15 | 0.61 | 0.61 | 15.59 | 0.36 | 0.70 | 0.76 | 0.54 | 0.41 |
| 588 | 65.84 | 90.90 | 90.90 | 48.48 | 10.96 | 0.65 | 0.65 | 14.22 | 0.34 | 0.83 | 0.87 | 0.45 | 0.34 |
| 1414 | 78.39 | 91.23 | 91.23 | 64.81 | 11.76 | 0.45 | 0.45 | 16.86 | 0.57 | 0.53 | 0.54 | 0.76 | 0.64 |
| 591 | 66.75 | 90.88 | 90.88 | 53.22 | 10.64 | 0.67 | 0.67 | 13.26 | 0.36 | 0.80 | 0.83 | 0.47 | 0.35 |
| 595 | 72.14 | 91.33 | 91.33 | 55.26 | 11.09 | 0.46 | 0.46 | 15.21 | 0.42 | 0.51 | 0.52 | 0.58 | 0.42 |
| 1417 | 84.55 | 91.19 | 91.19 | 56.95 | 8.55 | 0.74 | 0.74 | 19.36 | 0.45 | 0.75 | 0.84 | 0.69 | 0.57 |
| 1418 | 88.00 | 91.23 | 91.23 | 67.76 | 10.11 | 0.64 | 0.64 | 27.19 | 0.84 | 0.59 | 0.62 | 1.40 | 1.16 |
| 1420 | 84.46 | 90.93 | 90.93 | 62.31 | 8.78 | 0.71 | 0.71 | 18.19 | 0.56 | 0.78 | 0.87 | 0.98 | 0.64 |
| 1422 | 77.31 | 91.04 | 91.04 | 60.18 | 12.24 | 0.70 | 0.70 | 18.29 | 0.59 | 0.90 | 0.96 | 0.92 | 0.59 |
| 606 | 83.38 | 91.31 | 91.31 | 46.88 | 7.63 | 0.43 | 0.43 | 18.12 | 0.36 | 0.48 | 0.51 | 0.63 | 0.41 |
| 603 | 62.33 | 91.05 | 91.05 | 39.62 | 9.72 | 0.75 | 0.75 | 12.99 | 0.28 | 0.99 | 1.09 | 0.41 | 0.25 |
| 1425 | 81.74 | 91.45 | 91.45 | 60.10 | 8.55 | 0.48 | 0.48 | 15.47 | 0.44 | 0.57 | 0.60 | 0.68 | 0.49 |
| 1424 | 88.56 | 91.26 | 91.26 | 54.61 | 7.58 | 0.42 | 0.42 | 27.94 | 0.55 | 0.41 | 0.43 | 0.91 | 0.76 |
| 1427 | 73.44 | 91.02 | 91.02 | 55.92 | 11.80 | 0.84 | 0.84 | 16.63 | 0.46 | 1.04 | 1.14 | 0.66 | 0.47 |
| 614 | 80.07 | 91.24 | 91.24 | 53.43 | 9.28 | 0.44 | 0.44 | 17.06 | 0.40 | 0.48 | 0.50 | 0.62 | 0.45 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 No. | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 550 | 64.45 | 91.27 | 91.27 | 23.53 | 12.25 | 0.49 | 0.49 | 19.47 | 0.28 | 0.56 | 0.57 | 0.45 | 0.29 |
| 549 | 80.96 | 91.46 | 91.46 | 41.72 | 9.06 | 0.46 | 0.46 | 19.86 | 0.36 | 0.52 | 0.55 | 0.62 | 0.40 |
| 1388 | 85.81 | 91.33 | 91.33 | 55.56 | 7.83 | 0.61 | 0.61 | 20.02 | 0.48 | 0.65 | 0.72 | 0.87 | 0.56 |
| 551 | 82.08 | 91.43 | 91.43 | 46.25 | 8.24 | 0.54 | 0.54 | 18.24 | 0.36 | 0.55 | 0.59 | 0.61 | 0.40 |
| 1390 | 79.49 | 91.19 | 91.19 | 33.91 | 8.30 | 0.51 | 0.51 | 18.32 | 0.30 | 0.58 | 0.63 | 0.57 | 0.32 |
| 1392 | 85.22 | 91.22 | 91.22 | 51.47 | 9.36 | 0.51 | 0.51 | 24.03 | 0.53 | 0.65 | 0.71 | 1.05 | 0.60 |
| 552 | 87.86 | 91.13 | 91.13 | 46.85 | 9.06 | 0.39 | 0.39 | 32.84 | 0.57 | 0.58 | 0.62 | 0.98 | 0.74 |
| 555 | 72.29 | 91.25 | 91.25 | 35.59 | 10.98 | 0.44 | 0.44 | 18.81 | 0.32 | 0.52 | 0.53 | 0.51 | 0.34 |
| 556 | 79.23 | 91.18 | 91.18 | 35.38 | 10.77 | 0.63 | 0.63 | 23.23 | 0.38 | 0.84 | 0.94 | 0.70 | 0.42 |
| 557 | 72.42 | 91.35 | 91.35 | 41.37 | 10.17 | 0.41 | 0.41 | 16.55 | 0.32 | 0.56 | 0.59 | 0.51 | 0.33 |
| 1397 | 83.81 | 91.24 | 91.24 | 58.16 | 11.18 | 0.43 | 0.43 | 23.57 | 0.58 | 0.44 | 0.45 | 0.90 | 0.71 |
| 1396 | 73.04 | 91.50 | 91.50 | 50.37 | 12.89 | 0.45 | 0.45 | 19.31 | 0.46 | 0.69 | 0.72 | 0.67 | 0.47 |
| 1399 | 90.27 | 91.14 | 91.14 | 48.80 | 4.75 | 0.63 | 0.63 | 31.92 | 0.53 | 0.56 | 0.68 | 1.01 | 0.75 |
| 565 | 70.59 | 91.48 | 91.48 | 40.12 | 13.04 | 0.44 | 0.44 | 20.52 | 0.39 | 0.52 | 0.53 | 0.60 | 0.40 |
| 564 | 61.17 | 91.17 | 91.17 | 26.67 | 10.88 | 0.52 | 0.52 | 15.95 | 0.27 | 0.66 | 0.68 | 0.43 | 0.25 |
| 561 | 82.81 | 91.31 | 91.31 | 44.72 | 14.97 | 0.53 | 0.53 | 35.13 | 0.66 | 0.78 | 0.82 | 1.16 | 0.75 |
| 560 | 83.43 | 91.05 | 91.05 | 43.26 | 13.11 | 0.38 | 0.38 | 32.51 | 0.58 | 0.48 | 0.49 | 1.00 | 0.68 |
| 569 | 78.98 | 91.16 | 91.16 | 35.24 | 8.66 | 0.39 | 0.39 | 18.51 | 0.29 | 0.42 | 0.43 | 0.50 | 0.33 |
| 1404 | 88.30 | 91.24 | 91.24 | 49.03 | 8.41 | 0.70 | 0.70 | 31.81 | 0.59 | 0.84 | 0.99 | 1.03 | 0.75 |
| 1405 | 86.09 | 91.01 | 91.01 | 41.14 | 7.40 | 0.60 | 0.60 | 23.18 | 0.39 | 0.63 | 0.71 | 0.70 | 0.46 |
| 1403 | 88.37 | 91.13 | 91.13 | 43.77 | 8.53 | 0.47 | 0.47 | 34.76 | 0.58 | 0.58 | 0.62 | 1.10 | 0.73 |
| 1406 | 78.68 | 91.13 | 91.13 | 49.32 | 12.07 | 0.47 | 0.47 | 22.05 | 0.47 | 0.69 | 0.72 | 0.74 | 0.53 |
| 571 | 68.22 | 91.57 | 91.57 | 39.56 | 12.21 | 0.44 | 0.44 | 18.29 | 0.34 | 0.48 | 0.49 | 0.50 | 0.35 |
| 570 | 85.60 | 91.29 | 91.29 | 48.73 | 6.71 | 0.47 | 0.47 | 18.42 | 0.36 | 0.50 | 0.54 | 0.63 | 0.43 |
| 1407 | 85.09 | 90.95 | 90.95 | 31.26 | 6.88 | 0.52 | 0.52 | 21.57 | 0.31 | 0.58 | 0.66 | 0.60 | 0.36 |
| 1408 | 79.25 | 91.18 | 91.18 | 56.62 | 11.93 | 0.56 | 0.56 | 20.28 | 0.55 | 0.83 | 0.89 | 0.90 | 0.59 |
| 573 | 85.62 | 91.21 | 91.21 | 45.65 | 6.92 | 0.43 | 0.43 | 19.70 | 0.35 | 0.47 | 0.51 | 0.59 | 0.43 |
| 1409 | 72.88 | 91.12 | 91.12 | 45.60 | 12.83 | 0.47 | 0.47 | 20.23 | 0.42 | 0.63 | 0.65 | 0.63 | 0.44 |
| 1410 | 89.80 | 91.13 | 91.13 | 64.05 | 8.24 | 0.51 | 0.51 | 35.96 | 0.87 | 0.60 | 0.65 | 1.65 | 1.33 |
| 574 | 85.59 | 90.97 | 90.97 | 46.97 | 12.68 | 0.42 | 0.42 | 35.53 | 0.65 | 0.49 | 0.50 | 1.12 | 0.81 |
| 580 | 76.29 | 91.14 | 91.14 | 41.69 | 12.38 | 0.45 | 0.45 | 22.54 | 0.41 | 0.54 | 0.55 | 0.66 | 0.46 |
| 1666 | 80.53 | 91.33 | 91.33 | 26.03 | 12.39 | 0.45 | 0.45 | 30.57 | 0.45 | 0.50 | 0.51 | 1.01 | 0.47 |
| 1645 | 84.98 | 91.29 | 91.29 | 44.13 | 9.17 | 0.50 | 0.50 | 25.14 | 0.46 | 0.56 | 0.59 | 0.85 | 0.53 |
| 590 | 77.75 | 91.09 | 91.09 | 23.91 | 9.78 | 0.42 | 0.42 | 21.84 | 0.30 | 0.46 | 0.48 | 0.55 | 0.33 |
| 587 | 80.22 | 91.28 | 91.28 | 47.70 | 10.79 | 0.44 | 0.44 | 21.45 | 0.42 | 0.50 | 0.51 | 0.64 | 0.49 |
| 584 | 78.76 | 91.43 | 91.43 | 44.88 | 9.66 | 0.59 | 0.59 | 18.58 | 0.36 | 0.81 | 0.90 | 0.58 | 0.40 |
| 588 | 64.08 | 90.97 | 90.97 | 38.59 | 11.96 | 0.47 | 0.47 | 16.65 | 0.33 | 0.66 | 0.68 | 0.48 | 0.32 |
| 1414 | 79.47 | 91.23 | 91.23 | 57.76 | 13.22 | 0.48 | 0.48 | 22.29 | 0.55 | 0.63 | 0.65 | 0.75 | 0.67 |
| 591 | 65.78 | 91.08 | 91.08 | 43.29 | 12.21 | 0.51 | 0.51 | 16.75 | 0.36 | 0.70 | 0.72 | 0.51 | 0.35 |
| 595 | 71.74 | 91.15 | 91.15 | 44.42 | 12.36 | 0.44 | 0.44 | 19.16 | 0.40 | 0.49 | 0.50 | 0.62 | 0.41 |
| 1417 | 86.33 | 91.12 | 91.12 | 49.49 | 8.94 | 0.42 | 0.42 | 26.08 | 0.48 | 0.62 | 0.67 | 0.75 | 0.63 |
| 1418 | 88.64 | 90.98 | 90.98 | 60.27 | 10.42 | 0.44 | 0.44 | 36.05 | 0.82 | 0.57 | 0.60 | 1.34 | 1.17 |
| 1420 | 85.96 | 91.02 | 91.02 | 57.78 | 9.18 | 0.44 | 0.44 | 23.17 | 0.57 | 0.66 | 0.71 | 1.01 | 0.70 |
| 1422 | 77.28 | 91.08 | 91.08 | 52.08 | 13.22 | 0.58 | 0.58 | 22.14 | 0.56 | 0.81 | 0.85 | 0.96 | 0.57 |
| 606 | 83.89 | 91.09 | 91.09 | 35.17 | 7.85 | 0.43 | 0.43 | 21.69 | 0.34 | 0.50 | 0.53 | 0.64 | 0.39 |
| 603 | 62.11 | 91.37 | 91.37 | 27.00 | 10.82 | 0.69 | 0.69 | 16.07 | 0.26 | 0.86 | 0.93 | 0.43 | 0.25 |
| 1425 | 82.69 | 91.22 | 91.22 | 54.52 | 8.99 | 0.49 | 0.49 | 18.62 | 0.44 | 0.62 | 0.66 | 0.75 | 0.51 |
| 1424 | 88.97 | 91.26 | 91.26 | 44.67 | 7.68 | 0.46 | 0.46 | 34.66 | 0.56 | 0.51 | 0.55 | 0.99 | 0.74 |
| 1427 | 73.69 | 91.31 | 91.31 | 48.07 | 12.89 | 0.78 | 0.78 | 20.22 | 0.46 | 0.95 | 1.03 | 0.71 | 0.47 |
| 614 | 81.42 | 91.37 | 91.37 | 46.51 | 9.76 | 0.46 | 0.46 | 20.82 | 0.40 | 0.51 | 0.53 | 0.67 | 0.46 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|------|-----------|-------|-------|-----------------------|------|------|------------------------|----------------------|----------------------------|--------------------------|
| FK6 | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ | $\Delta\delta_{sys}$ | $\Delta\mu_{\alpha^*,sys}$ | $\Delta\mu_{\delta,sys}$ |
| No. | SI | STP | HIP | SI | STP | HIP | [mas] | [mas] | [mas/yr] | [mas/yr] |
| 550 | 25.83 | 25.79 | 25.79 | 0.52 | 0.52 | 0.52 | - 10.62 | - 85.22 | - 0.65 | + 0.68 |
| 549 | 7.40 | 7.38 | 7.38 | 0.48 | 0.48 | 0.48 | - 31.48 | - 53.02 | - 0.38 | + 1.59 |
| 1388 | 3.32 | 3.45 | 3.47 | 1.05 | 1.09 | 1.10 | - 7.00 | - 79.54 | + 1.20 | - 0.02 |
| 551 | 5.90 | 5.95 | 5.96 | 0.74 | 0.74 | 0.74 | + 14.12 | - 59.99 | + 0.84 | + 0.38 |
| 1390 | 6.19 | 6.09 | 6.06 | 0.79 | 0.79 | 0.79 | + 3.11 | - 107.40 | + 0.97 | + 0.88 |
| 1392 | 7.24 | 7.32 | 7.34 | 0.80 | 0.82 | 0.82 | + 8.42 | - 54.87 | + 0.62 | + 0.05 |
| 552 | 6.32 | 6.26 | 6.23 | 0.69 | 0.70 | 0.71 | + 30.58 | - 71.77 | + 0.37 | - 1.19 |
| 555 | 14.89 | 14.91 | 14.91 | 0.56 | 0.57 | 0.57 | - 29.74 | - 18.79 | + 0.67 | + 0.94 |
| 556 | 10.95 | 11.15 | 11.17 | 0.94 | 0.97 | 0.98 | + 15.09 | - 114.53 | + 1.50 | + 1.42 |
| 557 | 12.61 | 12.99 | 13.04 | 0.65 | 0.68 | 0.68 | + 24.78 | - 46.56 | + 0.76 | + 0.01 |
| 1397 | 12.63 | 12.54 | 12.53 | 0.53 | 0.53 | 0.53 | - 59.11 | - 43.26 | - 0.38 | + 2.01 |
| 1396 | 50.62 | 50.69 | 50.70 | 0.72 | 0.76 | 0.76 | + 25.27 | - 50.26 | + 0.66 | - 0.02 |
| 1399 | 2.98 | 2.93 | 2.86 | 0.95 | 0.95 | 0.95 | + 7.45 | - 107.54 | + 1.73 | + 0.15 |
| 565 | 39.49 | 39.51 | 39.51 | 0.46 | 0.47 | 0.47 | - 42.42 | - 47.60 | - 0.38 | + 1.22 |
| 564 | 19.97 | 20.35 | 20.38 | 0.83 | 0.87 | 0.87 | - 2.49 | - 94.25 | + 0.98 | + 0.68 |
| 561 | 33.77 | 33.75 | 33.75 | 0.74 | 0.75 | 0.75 | + 46.09 | - 42.13 | - 3.58 | + 0.22 |
| 560 | 17.85 | 17.85 | 17.85 | 0.52 | 0.52 | 0.52 | + 68.75 | - 46.55 | - 4.34 | + 0.76 |
| 569 | 6.57 | 6.77 | 6.79 | 0.45 | 0.46 | 0.46 | - 2.93 | - 70.41 | - 0.17 | + 0.95 |
| 1404 | 5.54 | 5.33 | 5.26 | 1.12 | 1.13 | 1.14 | + 13.58 | - 108.50 | + 2.14 | + 1.16 |
| 1405 | 3.74 | 4.04 | 4.18 | 0.91 | 0.93 | 0.94 | + 7.85 | - 103.96 | + 1.04 | + 1.32 |
| 1403 | 5.36 | 5.37 | 5.38 | 0.77 | 0.77 | 0.77 | + 4.18 | - 92.63 | + 0.57 | - 0.77 |
| 1406 | 18.32 | 18.21 | 18.20 | 0.78 | 0.78 | 0.78 | - 2.24 | - 59.99 | + 0.52 | + 0.01 |
| 571 | 31.71 | 31.91 | 31.92 | 0.50 | 0.51 | 0.51 | - 31.23 | - 46.25 | - 0.24 | + 1.68 |
| 570 | 3.72 | 3.60 | 3.55 | 0.72 | 0.75 | 0.76 | + 18.41 | - 47.92 | + 0.78 | + 0.39 |
| 1407 | 3.52 | 3.55 | 3.59 | 0.89 | 0.91 | 0.93 | + 7.33 | - 102.94 | + 0.91 | + 1.49 |
| 1408 | 19.64 | 19.71 | 19.73 | 0.91 | 0.92 | 0.92 | + 12.99 | - 65.63 | + 1.76 | + 0.15 |
| 573 | 3.77 | 3.74 | 3.74 | 0.54 | 0.54 | 0.54 | - 23.68 | - 9.03 | + 0.60 | + 1.01 |
| 1409 | 34.71 | 34.56 | 34.54 | 0.77 | 0.78 | 0.78 | + 1.26 | - 90.62 | + 1.13 | + 0.76 |
| 1410 | 5.15 | 5.03 | 4.95 | 0.91 | 0.92 | 0.92 | + 42.03 | - 53.41 | + 0.82 | - 1.31 |
| 574 | 15.04 | 15.08 | 15.09 | 0.62 | 0.62 | 0.62 | + 65.82 | - 33.19 | - 3.40 | + 0.63 |
| 580 | 19.83 | 19.99 | 20.00 | 0.55 | 0.56 | 0.56 | - 20.73 | - 7.90 | + 0.60 | + 0.97 |
| 1666 | 14.95 | 15.01 | 15.02 | 0.51 | 0.51 | 0.51 | + 125.38 | - 45.21 | - 4.58 | + 1.77 |
| 1645 | 6.85 | 6.86 | 6.86 | 0.56 | 0.56 | 0.56 | - 7.82 | - 42.05 | - 2.30 | + 0.71 |
| 590 | 8.62 | 8.68 | 8.68 | 0.47 | 0.47 | 0.47 | - 36.97 | - 70.69 | - 1.32 | + 0.52 |
| 587 | 11.97 | 12.00 | 12.00 | 0.49 | 0.50 | 0.50 | - 50.15 | - 36.20 | - 0.04 | + 1.47 |
| 584 | 9.49 | 9.38 | 9.36 | 0.80 | 0.81 | 0.81 | + 12.23 | - 38.18 | + 0.53 | + 0.32 |
| 588 | 46.34 | 46.38 | 46.39 | 0.73 | 0.74 | 0.74 | - 4.21 | - 57.09 | + 1.15 | - 0.07 |
| 1414 | 32.16 | 32.13 | 32.13 | 0.61 | 0.61 | 0.61 | - 0.93 | - 10.36 | + 1.00 | + 0.59 |
| 591 | 89.97 | 89.92 | 89.92 | 0.72 | 0.72 | 0.72 | + 17.99 | - 38.55 | + 0.81 | + 0.40 |
| 595 | 29.53 | 29.57 | 29.57 | 0.50 | 0.50 | 0.50 | - 59.69 | - 32.71 | + 0.32 | + 2.06 |
| 1417 | 6.36 | 6.36 | 6.36 | 0.79 | 0.79 | 0.79 | + 9.82 | - 91.30 | + 1.54 | + 1.21 |
| 1418 | 8.81 | 8.64 | 8.59 | 0.78 | 0.79 | 0.79 | + 21.31 | - 57.07 | + 0.92 | - 1.27 |
| 1420 | 7.10 | 7.10 | 7.10 | 0.75 | 0.75 | 0.75 | - 2.81 | - 74.84 | + 1.30 | + 0.62 |
| 1422 | 29.82 | 32.31 | 32.84 | 0.92 | 0.95 | 0.96 | - 2.82 | - 54.56 | + 1.80 | + 0.02 |
| 606 | 4.88 | 4.90 | 4.90 | 0.46 | 0.46 | 0.46 | - 30.80 | - 70.89 | - 0.35 | + 0.64 |
| 603 | 18.77 | 19.09 | 19.16 | 0.93 | 1.00 | 1.02 | - 6.18 | - 49.16 | + 1.22 | + 0.24 |
| 1425 | 7.55 | 7.51 | 7.51 | 0.73 | 0.73 | 0.73 | + 23.30 | - 34.35 | + 0.38 | + 0.16 |
| 1424 | 4.39 | 4.29 | 4.26 | 0.57 | 0.57 | 0.57 | + 164.62 | - 20.00 | - 8.16 | + 1.41 |
| 1427 | 36.54 | 36.55 | 36.56 | 1.01 | 1.01 | 1.01 | - 7.23 | - 41.71 | + 1.06 | - 0.03 |
| 614 | 8.85 | 8.90 | 8.90 | 0.49 | 0.49 | 0.49 | - 68.92 | - 31.50 | + 1.08 | + 2.06 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|------------|---------------------------------------|-------------------------------------|--|--|-----------|----------|----------|--------------|----------|----------------------|
| FK6 No. | $\varepsilon_{\alpha^*,sys}$ [mas] | $\varepsilon_{\delta,sys}$ [mas] | $\varepsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\varepsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 550 | 12.18 | 10.27 | 0.40 | 0.27 | 1 | 2.56 | 1.16 | 1.83 | 3.39 | 347 |
| 549 | 11.26 | 8.19 | 0.36 | 0.24 | 1 | 1.38 | 1.06 | 1.57 | 1.75 | 348 |
| 1388 | 7.18 | 6.22 | 0.25 | 0.18 | 1 | 1.11 | 1.83 | 1.21 | 0.59 | |
| 551 | 8.06 | 6.57 | 0.25 | 0.20 | 1 | 1.56 | 2.35 | 0.09 | 1.00 | 349 |
| 1390 | 7.60 | 6.24 | 0.24 | 0.18 | 1 | 4.69 | 4.70 | 3.95 | 1.04 | 350 |
| 1392 | 8.00 | 6.95 | 0.25 | 0.21 | 1 | 1.20 | 0.43 | 1.35 | 1.06 | |
| 552 | 10.12 | 7.34 | 0.26 | 0.21 | 1 | 0.85 | 0.73 | 0.83 | 0.47 | 351 |
| 555 | 9.22 | 7.52 | 0.26 | 0.21 | 1 | 1.79 | 0.42 | 1.08 | 2.60 | |
| 556 | 7.90 | 6.90 | 0.25 | 0.20 | 1 | 1.95 | 1.64 | 1.33 | 1.03 | 352 |
| 557 | 7.91 | 6.80 | 0.26 | 0.20 | 1 | 1.98 | 2.70 | 1.67 | 2.18 | |
| 1397 | 10.25 | 8.22 | 0.33 | 0.23 | 1 | 1.52 | 2.25 | 1.06 | 1.36 | 353 |
| 1396 | 7.84 | 7.00 | 0.24 | 0.21 | 1 | 1.80 | 0.59 | 0.69 | 2.40 | 354 |
| 1399 | 8.51 | 7.60 | 0.27 | 0.20 | 1 | 2.38 | 1.07 | 2.21 | 2.25 | |
| 565 | 11.62 | 9.52 | 0.37 | 0.27 | 1 | 1.43 | 1.20 | 2.58 | 1.60 | |
| 564 | 7.32 | 6.59 | 0.25 | 0.17 | 1 | 1.35 | 1.93 | 1.62 | 1.95 | 355 |
| 561 | 11.70 | 8.78 | 0.36 | 0.23 | 1 | 1.79 | 0.72 | 1.84 | 1.55 | |
| 560 | 11.71 | 9.63 | 0.38 | 0.28 | 1 | 1.14 | 1.24 | 1.86 | 0.32 | 356 |
| 569 | 12.80 | 10.15 | 0.37 | 0.27 | 1 | 2.47 | 1.79 | 1.39 | 1.23 | 357 |
| 1404 | 8.42 | 7.12 | 0.27 | 0.20 | 1 | 3.74 | 2.31 | 2.80 | 4.69 | |
| 1405 | 8.15 | 7.13 | 0.25 | 0.19 | 1 | 2.43 | 4.16 | 4.11 | 1.28 | |
| 1403 | 9.07 | 7.14 | 0.26 | 0.20 | 1 | 0.72 | 0.18 | 0.31 | 0.68 | 358 |
| 1406 | 6.93 | 6.71 | 0.25 | 0.17 | 1 | 2.21 | 2.56 | 3.30 | 0.24 | 359 |
| 571 | 11.12 | 8.57 | 0.35 | 0.23 | 1 | 2.54 | 2.07 | 2.58 | 1.88 | 360 |
| 570 | 8.52 | 7.08 | 0.26 | 0.19 | 1 | 0.70 | 1.77 | 1.88 | 1.06 | |
| 1407 | 8.38 | 7.30 | 0.25 | 0.19 | 1 | 0.64 | 0.72 | 0.58 | 1.35 | 361 |
| 1408 | 7.56 | 6.98 | 0.26 | 0.17 | 1 | 1.13 | 0.69 | 0.19 | 1.69 | |
| 573 | 9.45 | 7.97 | 0.28 | 0.21 | 1 | 1.02 | 1.78 | 1.36 | 1.23 | |
| 1409 | 7.66 | 6.92 | 0.26 | 0.16 | 1 | 1.85 | 1.71 | 1.86 | 0.78 | |
| 1410 | 10.18 | 7.67 | 0.28 | 0.21 | 1 | 0.73 | 1.96 | 0.62 | 0.85 | |
| 574 | 11.19 | 10.28 | 0.37 | 0.26 | 1 | 1.97 | 1.25 | 1.95 | 2.13 | 362 |
| 580 | 9.31 | 8.03 | 0.29 | 0.20 | 1 | 2.66 | 1.74 | 2.18 | 1.27 | 363 |
| 1666 | 16.67 | 14.10 | 0.57 | 0.45 | 1 | 1.58 | 2.43 | 1.45 | 0.28 | 364 |
| 1645 | 16.35 | 13.66 | 0.57 | 0.40 | 1 | 1.56 | 0.55 | 1.49 | 1.98 | |
| 590 | 13.66 | 12.75 | 0.46 | 0.30 | 1 | 1.62 | 2.04 | 0.96 | 1.29 | 365 |
| 587 | 10.64 | 9.94 | 0.35 | 0.23 | 1 | 0.76 | 1.27 | 2.24 | 1.88 | 366 |
| 584 | 8.78 | 7.46 | 0.26 | 0.19 | 1 | 0.70 | 1.66 | 1.45 | 2.89 | |
| 588 | 7.69 | 6.97 | 0.26 | 0.18 | 1 | 1.46 | 1.21 | 0.63 | 2.15 | 367 |
| 1414 | 9.27 | 7.31 | 0.28 | 0.19 | 1 | 0.37 | 0.75 | 1.37 | 0.52 | 368 |
| 591 | 8.52 | 7.37 | 0.26 | 0.19 | 1 | 0.53 | 1.58 | 0.87 | 2.53 | 369 |
| 595 | 10.07 | 8.76 | 0.32 | 0.22 | 1 | 1.59 | 1.91 | 2.54 | 1.14 | 370 |
| 1417 | 8.20 | 7.42 | 0.25 | 0.17 | 1 | 1.31 | 1.53 | 1.29 | 0.35 | 371 |
| 1418 | 10.05 | 8.35 | 0.31 | 0.21 | 1 | 2.04 | 1.53 | 1.79 | 0.87 | |
| 1420 | 7.31 | 7.13 | 0.26 | 0.16 | 1 | 1.59 | 1.23 | 1.51 | 0.68 | 372 |
| 1422 | 7.59 | 6.99 | 0.26 | 0.17 | | 18.09 | 14.59 | 14.73 | 14.39 | 373 |
| 606 | 12.77 | 11.57 | 0.44 | 0.25 | 1 | 1.91 | 0.94 | 1.43 | 2.11 | 374 |
| 603 | 7.20 | 6.78 | 0.27 | 0.18 | 1 | 0.53 | 1.21 | 1.80 | 1.68 | 375 |
| 1425 | 8.68 | 7.53 | 0.29 | 0.20 | 1 | 1.08 | 1.38 | 0.51 | 2.27 | |
| 1424 | 14.85 | 13.24 | 0.50 | 0.32 | 1 | 4.11 | 2.31 | 0.79 | 2.24 | 376 |
| 1427 | 6.95 | 6.90 | 0.27 | 0.17 | 1 | 1.60 | 1.63 | 1.12 | 1.16 | 377 |
| 614 | 10.07 | 8.50 | 0.34 | 0.22 | 1 | 1.23 | 1.72 | 1.33 | 0.25 | 378 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------|------------|----------------------------|-----------------------------|---------------------------------|--|--------------------------------------|
| FK6 No. | HIP No. | Name | α (SI) 2000 h m s | δ (SI) 2000 ° / ' / " | μ_{α^*} (SI) 2000 [mas/yr] | μ_{δ} (SI) 2000 [mas/yr] |
| 619 | 80650 | A Dra | 16 27 59.013021 | + 68 46 5.29850 | - 24.92 | + 34.36 |
| 623 | 80850 | Grb 2373 UMi | 16 30 38.800291 | + 77 26 47.46232 | - 104.04 | + 274.24 |
| 1431 | 80911 | N Sco | 16 31 22.933490 | - 34 42 15.71896 | - 11.28 | - 18.72 |
| 1432 | 80991 | Pi 16 ^h 140 Dra | 16 32 25.682235 | + 60 49 23.95573 | + 22.42 | - 10.68 |
| 611 | 81065 | γ Aps | 16 33 27.084985 | - 78 53 49.73082 | - 125.18 | - 77.46 |
| 620 | 81266 | τ Sco | 16 35 52.952623 | - 28 12 57.65567 | - 10.26 | - 22.19 |
| 1433 | 81300 | 12 Oph | 16 36 21.449797 | - 2 19 28.51315 | + 456.13 | - 308.96 |
| 622 | 81377 | ζ Oph | 16 37 9.537201 | - 10 34 1.52270 | + 12.11 | + 25.57 |
| 624 | 81724 | Br 2114 Oph | 16 41 34.382947 | - 17 44 31.80687 | - 21.78 | - 1.61 |
| 626 | 81833 | η Her | 16 42 53.765108 | + 38 55 20.11587 | + 35.40 | - 85.01 |
| 625 | 82273 | α TrA | 16 48 39.895199 | - 69 1 39.78035 | + 18.05 | - 33.64 |
| 1437 | 82351 | -21 ^o 4422 Oph | 16 49 34.980702 | - 21 51 8.39674 | - 19.75 | - 15.59 |
| 628 | 82396 | ε Sco | 16 50 9.812230 | - 34 17 35.62733 | - 612.87 | - 255.12 |
| 1440 | 82504 | 51 Her | 16 51 45.261868 | + 24 39 23.15965 | + 10.15 | + 5.60 |
| 629 | 82526 | 49 Her | 16 52 4.850370 | + 14 58 27.16789 | + 16.16 | + 4.97 |
| 1441 | 82587 | 53 Her | 16 52 58.058060 | + 31 42 6.02398 | - 90.80 | - 17.30 |
| 1442 | 82673 | l Oph | 16 54 0.471584 | + 10 9 55.29238 | - 53.66 | - 34.72 |
| 633 | 83000 | κ Oph | 16 57 40.097137 | + 9 22 30.10900 | - 293.35 | - 10.67 |
| 1444 | 83057 | 24 G. Ara | 16 58 17.939605 | - 50 38 28.26539 | - 10.13 | - 38.29 |
| 631 | 83081 | ζ Ara | 16 58 37.211615 | - 55 59 24.51145 | - 18.35 | - 35.77 |
| 632 | 83153 | ε^1 Ara | 16 59 35.047978 | - 53 9 37.58335 | + 1.37 | + 20.69 |
| 921 | 83255 | 26 G. Oct | 17 0 58.515319 | - 86 21 51.47171 | + 7.97 | - 0.25 |
| 1445 | 83262 | 30 Oph | 17 1 3.601942 | - 4 13 21.50871 | - 40.31 | - 77.01 |
| 1446 | 83313 | 59 Her | 17 1 36.361069 | + 33 34 5.77479 | + 2.46 | + 0.64 |
| 1448 | 83593 | Pi 16 ^h 307 Her | 17 5 4.942905 | + 43 48 44.05400 | + 3.08 | - 0.67 |
| 635 | 83613 | 60 Her | 17 5 22.690047 | + 12 44 26.97693 | + 49.92 | - 11.41 |
| 1447 | 83740 | 80 G. Oph | 17 6 53.224265 | - 26 30 46.87344 | - 4.03 | - 12.22 |
| 1449 | 83854 | 85 G. Oph | 17 8 14.854612 | - 17 36 32.58250 | + 3.76 | - 34.61 |
| 1450 | 83962 | 88 G. Oph | 17 9 47.950014 | - 10 31 23.88129 | + 54.21 | - 108.17 |
| 1451 | 84113 | 97 G. Oph | 17 11 45.239105 | + 7 53 41.14242 | + 32.32 | + 13.53 |
| 638 | 84143 | η Sco | 17 12 9.193339 | - 43 14 21.08064 | + 21.76 | - 287.46 |
| 643 | 84380 | π Her | 17 15 2.834366 | + 36 48 32.98409 | - 27.33 | + 2.87 |
| 1452 | 84551 | 139 G. Sco | 17 17 3.645668 | - 32 39 46.22563 | - 99.12 | - 55.61 |
| 1456 | 84862 | 72 Her | 17 20 39.567276 | + 32 28 3.87145 | + 135.56 | - 1041.12 |
| 645 | 85258 | β Ara | 17 25 17.988229 | - 55 31 47.58278 | - 8.70 | - 24.74 |
| 1458 | 85307 | 138 G. Oph | 17 25 57.875873 | - 1 39 6.40098 | + 61.31 | + 51.77 |
| 1457 | 85340 | 44 Oph | 17 26 22.215977 | - 24 10 31.11293 | - 2.18 | - 117.55 |
| 1459 | 85355 | σ Oph | 17 26 30.880834 | + 4 8 25.29701 | + 2.05 | + 7.34 |
| 650 | 85379 | 77 Her | 17 26 44.241914 | + 48 15 36.21995 | - 0.41 | - 4.56 |
| 646 | 85423 | 45 Oph | 17 27 21.274945 | - 29 52 1.32635 | + 16.23 | - 138.06 |
| 1460 | 85693 | λ Her | 17 30 44.309850 | + 26 6 38.32322 | + 18.22 | + 16.80 |
| 649 | 85696 | υ Sco | 17 30 45.836068 | - 37 17 44.92277 | - 3.75 | - 29.49 |
| 1455 | 85760 | 59 G. Aps | 17 31 27.462843 | - 80 51 32.88180 | - 2.81 | - 43.41 |
| 659 | 85805 | 27 Dra | 17 31 57.868416 | + 68 8 6.08946 | - 13.77 | + 132.89 |
| 913 | 85822 | δ UMi | 17 32 13.003426 | + 86 35 11.26027 | + 10.84 | + 54.28 |
| 1462 | 85888 | Grb 2444 Her | 17 33 7.257549 | + 41 14 36.41863 | - 68.06 | - 61.69 |
| 660 | 86670 | κ Sco | 17 42 29.274875 | - 39 1 47.93463 | - 6.52 | - 25.07 |
| 1463 | 86736 | 58 Oph | 17 43 25.793849 | - 21 40 59.49505 | - 97.35 | - 44.20 |
| 665 | 86742 | β Oph | 17 43 28.352350 | + 4 34 2.29455 | - 42.00 | + 159.33 |
| 662 | 86796 | μ Ara | 17 44 8.703599 | - 51 50 2.59479 | - 14.30 | - 191.60 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|--|---|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | ε_{α^*} (SI) [mas] | $\varepsilon_{\mu,\alpha^*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 619 | 91.20 | 0.41 | 0.26 | 90.96 | 0.43 | 0.28 | 6.64 | 0.45 | H | - 6.7 | 4.94 | | 39 | | |
| 623 | 91.25 | 0.47 | 0.30 | 91.29 | 0.54 | 0.33 | 8.00 | 0.58 | H | - 32.0 | 6.35 | | 39 | | |
| 1431 | 91.28 | 0.74 | 0.40 | 90.89 | 0.38 | 0.35 | 4.37 | 0.80 | H | + 1.0 | 4.24 | | 29 | 2 | |
| 1432 | 91.30 | 0.48 | 0.36 | 91.30 | 0.53 | 0.38 | 9.72 | 0.54 | H | - 8.6 | 5.92 | | 29 | 2 | |
| 611 | 91.24 | 0.40 | 0.32 | 91.29 | 0.43 | 0.36 | 20.44 | 0.53 | H | + 6.1 | 3.86 | 1 | 39 | | |
| 620 | 91.18 | 0.72 | 0.33 | 90.73 | 0.45 | 0.32 | 7.59 | 0.78 | H | + 2.0 | 2.82 | | 29 | 2 | |
| 1433 | 90.85 | 0.73 | 0.35 | 90.82 | 0.44 | 0.34 | 102.27 | 0.85 | H | - 12.5 | 5.77 | | 39 | | |
| 622 | 90.89 | 0.64 | 0.25 | 90.83 | 0.44 | 0.24 | 7.12 | 0.71 | H | - 15.0 | 2.54 | 1 | 19 | | 1 |
| 624 | 91.25 | 0.78 | 0.29 | 91.03 | 0.56 | 0.29 | 8.34 | 0.85 | H | - 24.4 | 4.91 | | 11 | 1 | 3 |
| 626 | 91.24 | 0.43 | 0.24 | 91.10 | 0.43 | 0.24 | 29.11 | 0.52 | H | + 8.1 | 3.48 | | 29 | 2 | |
| 625 | 91.22 | 0.34 | 0.32 | 91.38 | 0.45 | 0.37 | 7.85 | 0.63 | H | - 3.3 | 1.91 | 1 | 11 | 1 | 3 |
| 1437 | 91.05 | 1.22 | 0.49 | 90.84 | 0.65 | 0.48 | 3.60 | 0.80 | P | -102.0 | 7.28 | 2 | 23 | 2 | |
| 628 | 91.26 | 0.69 | 0.39 | 90.98 | 0.53 | 0.36 | 49.85 | 0.81 | H | - 2.5 | 2.29 | | 11 | 1 | 3 |
| 1440 | 91.19 | 0.29 | 0.28 | 91.31 | 0.48 | 0.37 | 4.30 | 0.66 | H | - 15.7 | 5.03 | | 11 | 1 | 3 |
| 629 | 90.98 | 0.56 | 0.28 | 91.16 | 0.48 | 0.28 | 7.21 | 0.79 | H | - 22.8 | 6.51 | 1 | 19 | | 1 |
| 1441 | 91.04 | 0.42 | 0.31 | 91.13 | 0.47 | 0.33 | 33.30 | 0.62 | H | - 21.8 | 5.34 | | 35 | | |
| 1442 | 90.97 | 0.57 | 0.33 | 91.07 | 0.46 | 0.32 | 13.95 | 0.72 | H | - 21.0 | 4.39 | | 38 | | |
| 633 | 90.95 | 0.58 | 0.22 | 91.08 | 0.40 | 0.20 | 37.99 | 0.75 | H | - 55.6 | 3.19 | | 31 | | |
| 1444 | 91.12 | 0.63 | 0.59 | 90.88 | 0.47 | 0.47 | 6.23 | 0.74 | H | - 44.0 | 5.53 | | 19 | | 1 |
| 631 | 90.93 | 0.63 | 0.46 | 90.87 | 0.53 | 0.43 | 5.68 | 0.91 | H | - 6.0 | 3.12 | 1 | 11 | 1 | 3 |
| 632 | 91.01 | 0.67 | 0.54 | 90.97 | 0.53 | 0.45 | 10.72 | 0.79 | H | + 23.1 | 4.06 | | 31 | | |
| 921 | 91.40 | 0.40 | 0.34 | 91.21 | 0.45 | 0.35 | 5.45 | 0.52 | H | + 7.3 | 6.05 | 1 | 31 | | |
| 1445 | 90.68 | 0.82 | 0.34 | 90.73 | 0.39 | 0.30 | 8.11 | 1.07 | H | - 6.7 | 4.82 | | 23 | 2 | |
| 1446 | 91.12 | 0.45 | 0.33 | 91.22 | 0.48 | 0.33 | 11.05 | 0.62 | H | - 12.4 | 5.27 | | 19 | | 1 |
| 1448 | 91.40 | 0.51 | 0.36 | 91.24 | 0.52 | 0.37 | 6.94 | 0.60 | H | - 8.7 | 6.45 | | 13 | | |
| 635 | 90.95 | 0.55 | 0.28 | 91.15 | 0.47 | 0.28 | 22.68 | 0.72 | H | - 4.2 | 4.89 | | 19 | | 1 |
| 1447 | 91.37 | 0.81 | 0.48 | 90.79 | 0.38 | 0.42 | 3.16 | 0.36 | P | - 24.0 | 6.26 | | 19 | | 1 |
| 1449 | 90.94 | 0.80 | 0.42 | 90.74 | 0.47 | 0.41 | 8.13 | 0.93 | H | - 13.7 | 5.98 | | 19 | | 1 |
| 1450 | 90.83 | 0.71 | 0.50 | 90.72 | 0.40 | 0.42 | 24.79 | 0.87 | H | - 3.3 | 5.43 | | 19 | | 1 |
| 1451 | 91.04 | 0.78 | 0.42 | 90.96 | 0.50 | 0.37 | 8.11 | 0.93 | H | - 5.7 | 6.34 | | 11 | 1 | 3 |
| 638 | 90.97 | 0.68 | 0.49 | 90.81 | 0.40 | 0.37 | 45.56 | 0.79 | H | - 27.0 | 3.32 | | 21 | 2 | |
| 643 | 91.26 | 0.40 | 0.25 | 91.16 | 0.43 | 0.26 | 8.89 | 0.52 | H | - 25.7 | 3.16 | 1 | 11 | 1 | 3 |
| 1452 | 91.18 | 0.65 | 0.41 | 91.01 | 0.36 | 0.30 | 19.80 | 0.72 | H | - 35.8 | 5.53 | | 11 | 1 | 3 |
| 1456 | 91.20 | 0.39 | 0.29 | 91.17 | 0.45 | 0.31 | 69.48 | 0.56 | H | - 78.7 | 5.38 | | 19 | | 1 |
| 645 | 91.32 | 0.60 | 0.45 | 91.29 | 0.51 | 0.41 | 5.41 | 0.76 | H | - 0.4 | 2.84 | 1 | 31 | | |
| 1458 | 90.94 | 0.57 | 0.40 | 91.05 | 0.34 | 0.31 | 16.19 | 0.80 | H | - 24.0 | 6.44 | | 11 | 1 | 3 |
| 1457 | 91.05 | 0.80 | 0.28 | 90.74 | 0.47 | 0.28 | 38.96 | 0.87 | H | - 37.2 | 4.16 | | 11 | 1 | 3 |
| 1459 | 90.76 | 0.66 | 0.26 | 90.92 | 0.43 | 0.25 | 2.78 | 0.92 | H | - 27.1 | 4.34 | | 11 | 1 | 3 |
| 650 | 91.33 | 0.44 | 0.30 | 91.22 | 0.44 | 0.30 | 8.98 | 0.50 | H | - 9.0 | 5.83 | | 28 | 2 | |
| 646 | 91.24 | 0.77 | 0.38 | 91.00 | 0.45 | 0.32 | 29.26 | 0.86 | H | + 37.3 | 4.28 | | 31 | | |
| 1460 | 91.25 | 0.36 | 0.28 | 91.20 | 0.45 | 0.29 | 8.88 | 0.64 | H | - 26.4 | 4.41 | | 31 | | |
| 649 | 90.83 | 0.66 | 0.55 | 90.82 | 0.45 | 0.45 | 6.29 | 0.81 | H | + 8.0 | 2.70 | 1 | 18 | | |
| 1455 | 91.34 | 0.43 | 0.35 | 91.33 | 0.46 | 0.36 | 4.02 | 0.58 | H | - 18.3 | 5.83 | 2 | 23 | 2 | |
| 659 | 91.63 | 0.51 | 0.32 | 91.36 | 0.49 | 0.31 | 15.02 | 0.54 | H | - 73.2 | 5.07 | | 18 | | |
| 913 | 91.19 | 0.42 | 0.29 | 91.11 | 0.43 | 0.27 | 17.85 | 0.48 | H | - 7.6 | 4.35 | | 13 | | |
| 1462 | 91.09 | 0.43 | 0.34 | 91.00 | 0.46 | 0.41 | 8.62 | 0.53 | H | - 28.8 | 5.72 | | 19 | | 1 |
| 660 | 91.13 | 0.63 | 0.46 | 91.13 | 0.48 | 0.37 | 7.03 | 0.73 | H | - 14.0 | 2.39 | 1 | 19 | | 1 |
| 1463 | 90.87 | 0.72 | 0.37 | 90.86 | 0.46 | 0.38 | 57.00 | 0.79 | H | + 9.6 | 4.86 | | 11 | 1 | 3 |
| 665 | 91.09 | 0.55 | 0.23 | 90.86 | 0.35 | 0.21 | 39.78 | 0.75 | H | - 12.6 | 2.76 | | 39 | | |
| 662 | 90.99 | 0.64 | 0.58 | 91.18 | 0.46 | 0.41 | 65.46 | 0.80 | H | - 9.0 | 5.12 | | 11 | 1 | 3 |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------------|--|---------|---------|----------|--------------------------------------|---------|---------|---------|
| FK6 No. | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 619 | - 11.36 | + 3.03 | + 3.46 | - 98.34 | + 0.50 | - 4.27 | - 4.90 | - 7.44 |
| 623 | + 0.98 | + 2.30 | + 2.57 | + 23.46 | + 6.63 | - 9.50 | - 11.33 | + 74.08 |
| 1431 | + 0.23 | - 1.37 | - 1.98 | - 4.70 | + 4.41 | + 1.06 | + 1.43 | +216.94 |
| 1432 | - 16.44 | - 13.61 | - 15.25 | - 176.73 | - 3.69 | + 6.56 | + 7.59 | - 3.66 |
| 611 | + 17.85 | - 4.02 | - 4.37 | +127.23 | + 3.55 | - 1.00 | - 1.09 | + 21.50 |
| 620 | - 11.08 | + 11.53 | + 14.61 | - 88.55 | - 4.08 | - 1.08 | - 2.82 | - 12.34 |
| 1433 | + 5.20 | - 6.95 | - 8.03 | + 17.77 | - 11.38 | + 10.77 | + 12.05 | - 54.48 |
| 622 | - 3.89 | + 6.68 | + 8.66 | - 29.84 | - 0.62 | - 0.45 | - 1.18 | - 4.88 |
| 624 | - 1.19 | + 1.49 | + 1.05 | - 4.06 | - 3.56 | + 5.12 | + 6.19 | - 34.05 |
| 626 | + 19.24 | + 1.55 | + 1.55 | + 60.95 | + 30.64 | + 0.35 | + 0.26 | +137.86 |
| 625 | - 0.33 | - 1.49 | - 1.75 | - 22.64 | - 4.18 | + 5.16 | + 6.19 | - 40.99 |
| 1437 | + 7.10 | - 6.32 | - 15.27 | +173.13 | - 0.40 | - 6.36 | - 5.31 | -136.04 |
| 628 | - 4.42 | + 8.33 | + 9.22 | - 18.88 | + 2.19 | - 6.19 | - 6.84 | + 11.43 |
| 1440 | - 0.35 | + 1.13 | + 1.31 | + 18.44 | - 0.11 | - 1.03 | - 1.29 | - 20.73 |
| 629 | - 6.10 | + 4.71 | + 5.96 | - 54.14 | - 5.94 | + 4.69 | + 5.66 | - 69.00 |
| 1441 | - 21.71 | - 3.10 | - 3.10 | - 70.66 | - 2.20 | + 1.67 | + 1.76 | - 8.84 |
| 1442 | + 6.54 | - 0.63 | - 0.81 | + 32.20 | - 13.29 | + 0.20 | + 0.37 | -101.65 |
| 633 | - 16.37 | + 2.90 | + 3.18 | - 48.75 | + 2.86 | + 8.39 | + 8.66 | + 16.02 |
| 1444 | - 0.72 | - 0.43 | - 0.61 | - 34.89 | - 2.14 | + 0.27 | + 0.37 | - 78.14 |
| 631 | - 0.85 | + 0.32 | + 0.42 | - 19.00 | - 1.06 | + 3.37 | + 4.37 | + 57.19 |
| 632 | + 6.40 | - 1.41 | - 2.10 | + 94.35 | - 9.82 | + 6.30 | + 7.56 | -155.06 |
| 921 | - 1.09 | + 1.63 | + 2.06 | + 15.64 | - 1.80 | + 1.75 | + 2.19 | - 70.74 |
| 1445 | - 16.95 | - 0.43 | + 0.18 | -129.28 | + 10.29 | - 7.32 | - 8.43 | +104.83 |
| 1446 | - 8.31 | - 0.09 | + 0.01 | - 44.07 | + 4.01 | - 2.97 | - 3.41 | + 29.99 |
| 1448 | + 8.61 | + 1.62 | + 1.89 | + 77.74 | - 3.17 | + 4.02 | + 4.90 | - 15.48 |
| 635 | - 10.99 | + 5.90 | + 6.44 | - 39.84 | + 12.54 | + 3.25 | + 3.53 | + 69.13 |
| 1447 | + 1.33 | + 5.92 | + 11.41 | + 73.40 | + 2.04 | - 2.68 | - 4.72 | + 19.52 |
| 1449 | + 3.53 | + 5.66 | + 7.74 | + 38.40 | + 2.96 | - 2.54 | - 3.57 | + 51.09 |
| 1450 | + 3.55 | + 3.88 | + 4.51 | + 25.95 | + 10.03 | - 3.23 | - 3.70 | + 79.92 |
| 1451 | - 1.16 | + 4.87 | + 6.66 | - 5.37 | + 1.59 | - 0.07 | + 0.31 | + 8.25 |
| 638 | + 8.91 | + 2.07 | + 2.24 | + 58.27 | + 20.06 | + 0.46 | + 0.37 | +205.39 |
| 643 | + 3.34 | - 0.19 | - 0.19 | + 19.49 | - 0.81 | - 1.40 | - 1.49 | - 12.86 |
| 1452 | - 1.58 | - 0.45 | - 0.55 | - 11.10 | - 1.17 | + 1.08 | + 1.17 | + 8.44 |
| 1456 | - 3.92 | - 1.23 | - 1.32 | - 15.05 | - 2.89 | + 3.88 | + 4.15 | - 13.00 |
| 645 | + 3.31 | + 3.00 | + 4.04 | +127.45 | + 0.02 | + 0.36 | + 0.28 | + 37.45 |
| 1458 | + 3.10 | + 3.55 | + 4.03 | + 19.21 | - 5.33 | + 3.89 | + 4.26 | - 12.64 |
| 1457 | - 12.62 | + 1.57 | + 1.94 | - 67.70 | + 0.37 | - 1.14 | - 1.33 | + 3.41 |
| 1459 | + 0.07 | - 4.64 | - 7.42 | + 2.87 | - 1.01 | - 1.51 | - 2.37 | - 33.15 |
| 650 | + 13.67 | + 4.82 | + 5.43 | + 85.51 | - 9.80 | + 11.90 | + 13.47 | - 63.63 |
| 646 | - 0.29 | - 14.46 | - 16.23 | - 19.00 | - 8.67 | + 5.37 | + 6.11 | - 94.69 |
| 1460 | + 9.41 | + 1.47 | + 1.46 | + 60.29 | + 8.76 | - 0.11 | - 0.19 | + 77.80 |
| 649 | + 1.83 | - 2.76 | - 4.03 | + 9.22 | - 2.10 | + 2.49 | + 3.22 | + 10.14 |
| 1455 | - 10.56 | + 3.45 | + 4.67 | -151.85 | - 3.19 | + 0.56 | + 0.55 | - 84.52 |
| 659 | - 4.74 | + 1.58 | + 1.74 | - 27.20 | + 0.38 | - 1.54 | - 1.63 | - 1.78 |
| 913 | - 2.09 | - 2.49 | - 2.66 | - 38.09 | + 1.66 | - 2.59 | - 2.77 | + 13.40 |
| 1462 | - 5.54 | + 4.35 | + 4.98 | - 24.44 | + 2.27 | - 2.89 | - 3.52 | + 19.98 |
| 660 | - 2.52 | + 0.17 | + 0.36 | - 42.88 | + 1.20 | - 3.54 | - 4.24 | - 35.28 |
| 1463 | + 8.63 | - 4.64 | - 5.18 | + 34.54 | + 1.66 | - 3.23 | - 3.31 | - 4.24 |
| 665 | + 7.97 | + 10.90 | + 11.42 | + 23.81 | + 3.16 | - 4.26 | - 4.42 | + 9.69 |
| 662 | - 3.32 | - 5.96 | - 6.97 | - 36.39 | - 1.88 | + 3.48 | + 3.95 | + 12.90 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|---|--------|--------|--------|---------|---|--------|--------|--------|---------|
| FK6 | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| No. | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 619 | - 0.36 | + 0.34 | + 0.39 | - 1.68 | + 0.44 | + 0.17 | - 0.47 | - 0.54 | + 0.10 | + 0.26 |
| 623 | - 0.10 | + 0.26 | + 0.29 | + 0.20 | - 0.29 | + 0.40 | - 1.09 | - 1.30 | + 1.29 | + 0.05 |
| 1431 | + 0.06 | - 0.16 | - 0.23 | + 0.02 | + 0.15 | + 0.00 | + 0.12 | + 0.16 | + 2.56 | - 1.33 |
| 1432 | + 0.57 | - 1.58 | - 1.77 | - 2.17 | + 2.91 | - 0.49 | + 0.77 | + 0.89 | - 0.55 | - 0.58 |
| 611 | + 1.03 | - 0.46 | - 0.50 | + 2.59 | + 0.09 | + 0.32 | - 0.12 | - 0.13 | + 0.56 | + 0.23 |
| 620 | - 0.68 | + 1.32 | + 1.67 | - 1.80 | - 0.09 | - 0.44 | - 0.12 | - 0.31 | - 0.55 | - 0.41 |
| 1433 | + 0.15 | - 0.78 | - 0.90 | + 0.37 | - 0.05 | - 0.37 | + 1.18 | + 1.32 | - 0.99 | + 0.07 |
| 622 | - 0.12 | + 0.74 | + 0.96 | - 0.48 | + 0.08 | - 0.03 | - 0.05 | - 0.13 | - 0.08 | - 0.01 |
| 624 | - 0.11 | + 0.17 | + 0.12 | - 0.16 | - 0.10 | - 0.22 | + 0.57 | + 0.69 | - 0.62 | - 0.06 |
| 626 | + 0.21 | + 0.18 | + 0.18 | + 0.81 | - 0.55 | + 0.36 | + 0.04 | + 0.03 | + 1.60 | - 0.81 |
| 625 | + 0.11 | - 0.17 | - 0.20 | - 0.14 | + 0.32 | - 0.39 | + 0.60 | + 0.72 | - 0.87 | - 0.26 |
| 1437 | + 0.39 | - 0.68 | - 1.69 | + 3.28 | - 0.83 | + 0.36 | - 0.69 | - 0.56 | - 1.48 | + 1.51 |
| 628 | - 0.30 | + 0.93 | + 1.03 | - 0.52 | - 0.16 | + 0.23 | - 0.67 | - 0.74 | + 0.36 | + 0.20 |
| 1440 | - 0.19 | + 0.13 | + 0.15 | + 0.14 | - 0.43 | + 0.09 | - 0.12 | - 0.15 | - 0.23 | + 0.30 |
| 629 | - 0.14 | + 0.52 | + 0.66 | - 0.84 | + 0.26 | - 0.20 | + 0.53 | + 0.64 | - 1.02 | + 0.19 |
| 1441 | - 0.20 | - 0.35 | - 0.35 | - 1.04 | + 0.99 | - 0.12 | + 0.19 | + 0.20 | - 0.21 | - 0.04 |
| 1442 | + 0.12 | - 0.07 | - 0.09 | + 0.54 | - 0.27 | - 0.18 | + 0.02 | + 0.04 | - 1.35 | + 0.71 |
| 633 | - 0.22 | + 0.28 | + 0.31 | - 0.63 | + 0.29 | - 0.18 | + 0.94 | + 0.97 | - 0.04 | - 0.32 |
| 1444 | + 0.04 | - 0.05 | - 0.07 | - 0.64 | + 0.46 | - 0.09 | + 0.03 | + 0.04 | - 1.41 | + 0.53 |
| 631 | - 0.05 | + 0.03 | + 0.04 | - 0.32 | + 0.09 | - 0.30 | + 0.37 | + 0.48 | + 0.35 | - 0.75 |
| 632 | + 0.16 | - 0.17 | - 0.25 | + 1.60 | - 0.79 | - 0.68 | + 0.70 | + 0.84 | - 2.72 | + 0.11 |
| 921 | - 0.20 | + 0.19 | + 0.24 | - 0.02 | - 0.37 | - 0.09 | + 0.20 | + 0.25 | - 0.90 | + 0.12 |
| 1445 | - 0.23 | - 0.04 | + 0.03 | - 2.08 | + 1.18 | + 0.44 | - 0.79 | - 0.91 | + 1.80 | - 0.19 |
| 1446 | - 0.15 | - 0.01 | + 0.00 | - 0.75 | + 0.47 | + 0.16 | - 0.34 | - 0.39 | + 0.53 | - 0.08 |
| 1448 | + 0.11 | + 0.19 | + 0.22 | + 1.29 | - 0.88 | - 0.34 | + 0.46 | + 0.56 | - 0.59 | - 0.31 |
| 635 | - 0.30 | + 0.65 | + 0.71 | - 0.74 | + 0.14 | + 0.12 | + 0.36 | + 0.39 | + 0.90 | - 0.45 |
| 1447 | - 0.15 | + 0.68 | + 1.31 | + 0.84 | - 1.19 | + 0.27 | - 0.28 | - 0.49 | + 0.68 | + 0.32 |
| 1449 | - 0.06 | + 0.63 | + 0.86 | + 0.45 | - 0.61 | + 0.10 | - 0.27 | - 0.38 | + 0.87 | - 0.33 |
| 1450 | - 0.03 | + 0.43 | + 0.50 | + 0.45 | - 0.38 | + 0.58 | - 0.35 | - 0.40 | + 2.00 | + 0.01 |
| 1451 | - 0.16 | + 0.55 | + 0.75 | - 0.28 | - 0.19 | + 0.14 | - 0.01 | + 0.03 | + 0.26 | + 0.10 |
| 638 | - 0.03 | + 0.23 | + 0.25 | + 0.75 | - 1.05 | + 0.12 | + 0.05 | + 0.04 | + 2.44 | - 1.85 |
| 643 | + 0.05 | - 0.02 | - 0.02 | + 0.28 | - 0.19 | + 0.05 | - 0.16 | - 0.17 | - 0.09 | + 0.14 |
| 1452 | - 0.03 | - 0.05 | - 0.06 | - 0.16 | + 0.12 | - 0.24 | + 0.12 | + 0.13 | - 0.13 | - 0.34 |
| 1456 | + 0.01 | - 0.14 | - 0.15 | - 0.16 | + 0.23 | - 0.17 | + 0.44 | + 0.47 | - 0.30 | - 0.10 |
| 645 | - 0.14 | + 0.35 | + 0.47 | + 1.62 | - 1.39 | - 0.10 | + 0.04 | + 0.03 | + 0.37 | - 0.37 |
| 1458 | - 0.01 | + 0.37 | + 0.42 | + 0.27 | - 0.27 | - 0.63 | + 0.43 | + 0.47 | - 0.79 | - 0.64 |
| 1457 | - 0.16 | + 0.17 | + 0.21 | - 0.85 | + 0.34 | + 0.02 | - 0.12 | - 0.14 | + 0.06 | + 0.01 |
| 1459 | + 0.06 | - 0.50 | - 0.80 | + 0.13 | + 0.09 | + 0.02 | - 0.16 | - 0.25 | - 0.37 | + 0.18 |
| 650 | + 0.09 | + 0.56 | + 0.63 | + 1.19 | - 1.06 | - 0.62 | + 1.36 | + 1.54 | - 1.43 | - 0.23 |
| 646 | + 0.46 | - 1.65 | - 1.85 | + 0.25 | + 0.78 | - 0.15 | + 0.57 | + 0.65 | - 1.20 | + 0.50 |
| 1460 | + 0.07 | + 0.17 | + 0.17 | + 0.85 | - 0.68 | + 0.14 | - 0.01 | - 0.02 | + 1.14 | - 0.48 |
| 649 | + 0.23 | - 0.30 | - 0.44 | + 0.45 | + 0.26 | - 0.33 | + 0.27 | + 0.35 | - 0.26 | - 0.58 |
| 1455 | - 0.87 | + 0.40 | + 0.54 | - 3.06 | + 0.33 | - 0.23 | + 0.07 | + 0.07 | - 1.26 | + 0.18 |
| 659 | - 0.14 | + 0.19 | + 0.21 | - 0.47 | + 0.10 | + 0.08 | - 0.18 | - 0.19 | + 0.06 | + 0.10 |
| 913 | + 0.10 | - 0.28 | - 0.30 | - 0.28 | + 0.32 | + 0.11 | - 0.29 | - 0.31 | + 0.23 | + 0.07 |
| 1462 | - 0.54 | + 0.49 | + 0.56 | - 0.95 | - 0.43 | + 0.20 | - 0.32 | - 0.39 | + 0.52 | + 0.10 |
| 660 | + 0.01 | + 0.01 | + 0.03 | - 0.59 | + 0.59 | + 0.34 | - 0.40 | - 0.48 | - 0.04 | + 0.72 |
| 1463 | + 0.27 | - 0.52 | - 0.58 | + 0.64 | - 0.12 | + 0.34 | - 0.36 | - 0.37 | + 0.28 | + 0.44 |
| 665 | - 0.06 | + 1.27 | + 1.33 | + 0.14 | - 0.38 | + 0.16 | - 0.51 | - 0.53 | + 0.24 | + 0.11 |
| 662 | + 0.18 | - 0.65 | - 0.76 | - 0.36 | + 0.75 | - 0.42 | + 0.38 | + 0.43 | - 0.24 | - 0.62 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------|------------|-------|-------|-------|--------------------------------|------|------|-------|--|------|------|------|---------|
| FK6 | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu, \alpha^*}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 619 | 81.02 | 91.22 | 91.22 | 51.75 | 8.35 | 0.41 | 0.41 | 16.41 | 0.37 | 0.41 | 0.42 | 0.59 | 0.42 |
| 623 | 81.38 | 91.28 | 91.28 | 46.27 | 9.32 | 0.47 | 0.47 | 19.91 | 0.40 | 0.49 | 0.51 | 0.69 | 0.44 |
| 1431 | 87.78 | 91.34 | 91.34 | 53.34 | 7.62 | 0.74 | 0.74 | 25.12 | 0.50 | 0.61 | 0.68 | 0.83 | 0.66 |
| 1432 | 82.01 | 91.32 | 91.32 | 60.19 | 9.62 | 0.48 | 0.48 | 17.64 | 0.50 | 0.57 | 0.59 | 0.78 | 0.57 |
| 611 | 81.79 | 91.24 | 91.24 | 49.46 | 13.11 | 0.40 | 0.40 | 27.55 | 0.56 | 0.40 | 0.40 | 0.91 | 0.66 |
| 620 | 82.68 | 91.13 | 91.13 | 48.77 | 9.23 | 0.72 | 0.72 | 20.56 | 0.40 | 0.68 | 0.76 | 0.64 | 0.49 |
| 1433 | 72.07 | 90.96 | 90.96 | 57.82 | 11.69 | 0.74 | 0.74 | 15.43 | 0.48 | 0.82 | 0.86 | 0.67 | 0.47 |
| 622 | 76.11 | 90.97 | 90.97 | 45.49 | 8.21 | 0.64 | 0.64 | 14.29 | 0.29 | 0.75 | 0.85 | 0.46 | 0.31 |
| 624 | 77.94 | 91.37 | 91.37 | 49.75 | 8.87 | 0.78 | 0.78 | 15.65 | 0.34 | 0.87 | 1.03 | 0.54 | 0.38 |
| 626 | 68.49 | 91.23 | 91.23 | 51.76 | 10.50 | 0.44 | 0.44 | 13.84 | 0.35 | 0.47 | 0.48 | 0.48 | 0.35 |
| 625 | 85.07 | 91.23 | 91.23 | 45.16 | 9.73 | 0.34 | 0.34 | 26.60 | 0.46 | 0.45 | 0.46 | 0.75 | 0.58 |
| 1437 | 87.91 | 91.29 | 91.29 | 55.99 | 6.99 | 1.24 | 1.24 | 22.76 | 0.53 | 1.02 | 2.25 | 0.93 | 0.65 |
| 628 | 77.75 | 91.20 | 91.20 | 51.69 | 14.04 | 0.71 | 0.71 | 24.04 | 0.51 | 0.72 | 0.74 | 0.73 | 0.61 |
| 1440 | 85.68 | 91.20 | 91.20 | 60.93 | 7.14 | 0.29 | 0.29 | 16.67 | 0.47 | 0.35 | 0.36 | 0.85 | 0.55 |
| 629 | 78.84 | 91.02 | 91.02 | 48.50 | 8.50 | 0.56 | 0.56 | 15.78 | 0.34 | 0.65 | 0.71 | 0.55 | 0.37 |
| 1441 | 74.43 | 91.06 | 91.06 | 60.84 | 11.04 | 0.42 | 0.42 | 14.84 | 0.47 | 0.50 | 0.51 | 0.62 | 0.49 |
| 1442 | 77.04 | 91.02 | 91.02 | 56.89 | 10.13 | 0.57 | 0.57 | 15.75 | 0.42 | 0.68 | 0.71 | 0.61 | 0.46 |
| 633 | 62.04 | 91.00 | 91.00 | 43.94 | 10.40 | 0.60 | 0.60 | 13.24 | 0.30 | 0.59 | 0.60 | 0.40 | 0.28 |
| 1444 | 88.65 | 91.13 | 91.13 | 64.67 | 8.96 | 0.63 | 0.63 | 28.79 | 0.82 | 0.73 | 0.80 | 1.54 | 1.09 |
| 631 | 87.78 | 90.96 | 90.96 | 51.63 | 8.64 | 0.63 | 0.63 | 29.43 | 0.58 | 0.67 | 0.73 | 1.02 | 0.75 |
| 632 | 86.02 | 91.03 | 91.03 | 57.58 | 11.00 | 0.68 | 0.68 | 28.00 | 0.66 | 0.88 | 0.96 | 1.08 | 0.84 |
| 921 | 87.13 | 91.41 | 91.41 | 45.52 | 8.44 | 0.40 | 0.40 | 28.06 | 0.50 | 0.45 | 0.47 | 0.91 | 0.61 |
| 1445 | 80.54 | 90.78 | 90.78 | 57.06 | 8.83 | 0.83 | 0.83 | 15.82 | 0.41 | 0.75 | 0.82 | 0.64 | 0.47 |
| 1446 | 79.81 | 91.14 | 91.14 | 60.39 | 9.59 | 0.45 | 0.45 | 15.76 | 0.44 | 0.55 | 0.57 | 0.63 | 0.51 |
| 1448 | 83.56 | 91.42 | 91.42 | 60.65 | 8.57 | 0.51 | 0.51 | 17.07 | 0.46 | 0.62 | 0.66 | 0.71 | 0.56 |
| 635 | 71.87 | 90.97 | 90.97 | 53.39 | 10.70 | 0.55 | 0.55 | 14.95 | 0.39 | 0.60 | 0.62 | 0.54 | 0.40 |
| 1447 | 88.75 | 91.38 | 91.38 | 58.78 | 6.57 | 0.83 | 0.83 | 23.43 | 0.54 | 0.77 | 0.96 | 0.90 | 0.72 |
| 1449 | 83.87 | 90.98 | 90.98 | 58.52 | 9.38 | 0.80 | 0.80 | 19.81 | 0.49 | 0.85 | 0.96 | 0.75 | 0.61 |
| 1450 | 80.30 | 90.88 | 90.88 | 64.31 | 12.06 | 0.71 | 0.71 | 18.93 | 0.70 | 0.86 | 0.91 | 1.18 | 0.71 |
| 1451 | 82.83 | 91.07 | 91.07 | 60.77 | 9.05 | 0.78 | 0.78 | 17.26 | 0.50 | 0.86 | 0.98 | 0.83 | 0.57 |
| 638 | 82.18 | 91.00 | 91.00 | 62.24 | 14.24 | 0.68 | 0.68 | 25.48 | 0.69 | 0.74 | 0.77 | 0.95 | 0.89 |
| 643 | 78.93 | 91.28 | 91.28 | 54.87 | 8.98 | 0.40 | 0.40 | 15.43 | 0.36 | 0.40 | 0.41 | 0.51 | 0.42 |
| 1452 | 82.35 | 91.20 | 91.20 | 57.69 | 12.67 | 0.65 | 0.65 | 24.61 | 0.59 | 0.60 | 0.62 | 0.86 | 0.73 |
| 1456 | 72.23 | 91.22 | 91.22 | 55.25 | 12.12 | 0.39 | 0.39 | 16.68 | 0.45 | 0.45 | 0.45 | 0.61 | 0.46 |
| 645 | 87.60 | 91.34 | 91.34 | 53.69 | 8.39 | 0.60 | 0.60 | 26.86 | 0.55 | 0.68 | 0.76 | 0.94 | 0.71 |
| 1458 | 80.00 | 90.93 | 90.93 | 60.37 | 11.09 | 0.59 | 0.59 | 18.40 | 0.55 | 0.69 | 0.72 | 0.86 | 0.60 |
| 1457 | 68.49 | 90.99 | 90.99 | 40.19 | 12.57 | 0.82 | 0.82 | 18.84 | 0.37 | 0.86 | 0.91 | 0.58 | 0.37 |
| 1459 | 83.97 | 90.79 | 90.79 | 47.80 | 5.87 | 0.69 | 0.69 | 14.47 | 0.29 | 0.63 | 0.76 | 0.50 | 0.34 |
| 650 | 80.07 | 91.36 | 91.36 | 57.86 | 9.05 | 0.44 | 0.44 | 15.64 | 0.40 | 0.52 | 0.54 | 0.57 | 0.47 |
| 646 | 77.82 | 91.22 | 91.22 | 51.06 | 13.19 | 0.78 | 0.78 | 22.82 | 0.50 | 0.76 | 0.79 | 0.75 | 0.57 |
| 1460 | 79.47 | 91.27 | 91.27 | 56.84 | 8.95 | 0.36 | 0.36 | 15.30 | 0.39 | 0.46 | 0.48 | 0.56 | 0.44 |
| 649 | 88.12 | 90.85 | 90.85 | 63.44 | 8.95 | 0.66 | 0.66 | 27.02 | 0.69 | 0.75 | 0.83 | 1.06 | 0.99 |
| 1455 | 88.85 | 91.34 | 91.34 | 54.34 | 7.40 | 0.43 | 0.43 | 29.00 | 0.56 | 0.42 | 0.44 | 0.92 | 0.78 |
| 659 | 77.27 | 91.66 | 91.66 | 50.94 | 10.96 | 0.51 | 0.51 | 18.60 | 0.42 | 0.61 | 0.63 | 0.63 | 0.46 |
| 913 | 77.61 | 91.19 | 91.19 | 32.03 | 12.58 | 0.42 | 0.42 | 26.21 | 0.40 | 0.46 | 0.47 | 0.70 | 0.44 |
| 1462 | 83.54 | 91.10 | 91.10 | 59.80 | 9.47 | 0.43 | 0.43 | 19.15 | 0.52 | 0.46 | 0.47 | 0.86 | 0.61 |
| 660 | 86.61 | 91.14 | 91.14 | 59.33 | 9.22 | 0.63 | 0.63 | 24.21 | 0.56 | 0.72 | 0.79 | 0.83 | 0.76 |
| 1463 | 74.97 | 90.88 | 90.88 | 53.08 | 13.24 | 0.73 | 0.73 | 20.29 | 0.47 | 0.88 | 0.92 | 0.65 | 0.54 |
| 665 | 63.84 | 91.22 | 91.22 | 47.23 | 10.39 | 0.59 | 0.59 | 13.17 | 0.31 | 0.60 | 0.61 | 0.42 | 0.30 |
| 662 | 82.91 | 90.96 | 90.96 | 61.40 | 14.96 | 0.66 | 0.66 | 28.34 | 0.81 | 0.89 | 0.93 | 1.25 | 0.96 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 619 | 81.83 | 90.99 | 90.99 | 39.55 | 8.78 | 0.43 | 0.43 | 20.59 | 0.34 | 0.51 | 0.53 | 0.57 | 0.40 |
| 623 | 82.30 | 91.32 | 91.32 | 40.55 | 9.58 | 0.54 | 0.54 | 22.79 | 0.39 | 0.62 | 0.66 | 0.69 | 0.45 |
| 1431 | 87.88 | 90.92 | 90.92 | 41.11 | 7.70 | 0.38 | 0.38 | 29.88 | 0.48 | 0.50 | 0.54 | 0.87 | 0.60 |
| 1432 | 83.43 | 91.31 | 91.31 | 52.26 | 10.26 | 0.53 | 0.53 | 22.90 | 0.49 | 0.63 | 0.67 | 0.78 | 0.59 |
| 611 | 82.87 | 91.30 | 91.30 | 39.66 | 13.64 | 0.43 | 0.43 | 33.83 | 0.57 | 0.46 | 0.47 | 1.00 | 0.66 |
| 620 | 83.48 | 90.77 | 90.77 | 38.02 | 9.54 | 0.45 | 0.45 | 25.04 | 0.41 | 0.63 | 0.70 | 0.72 | 0.47 |
| 1433 | 72.19 | 90.86 | 90.86 | 48.24 | 13.35 | 0.44 | 0.44 | 20.06 | 0.46 | 0.77 | 0.80 | 0.68 | 0.47 |
| 622 | 75.71 | 90.87 | 90.87 | 33.80 | 8.56 | 0.44 | 0.44 | 16.48 | 0.28 | 0.65 | 0.72 | 0.51 | 0.29 |
| 624 | 79.88 | 91.17 | 91.17 | 39.63 | 9.50 | 0.57 | 0.57 | 20.24 | 0.36 | 0.72 | 0.83 | 0.62 | 0.39 |
| 626 | 67.72 | 91.09 | 91.09 | 39.76 | 11.89 | 0.43 | 0.43 | 17.60 | 0.33 | 0.49 | 0.50 | 0.48 | 0.34 |
| 625 | 85.86 | 91.39 | 91.39 | 36.42 | 9.93 | 0.45 | 0.45 | 31.64 | 0.48 | 0.57 | 0.60 | 0.86 | 0.58 |
| 1437 | 88.28 | 90.99 | 90.99 | 50.07 | 7.03 | 0.67 | 0.67 | 26.89 | 0.54 | 0.92 | 1.88 | 1.02 | 0.66 |
| 628 | 77.39 | 90.93 | 90.93 | 38.85 | 14.84 | 0.55 | 0.55 | 28.86 | 0.50 | 0.59 | 0.61 | 0.81 | 0.55 |
| 1440 | 86.94 | 91.33 | 91.33 | 56.15 | 7.41 | 0.48 | 0.48 | 21.13 | 0.49 | 0.51 | 0.55 | 0.90 | 0.60 |
| 629 | 80.51 | 91.18 | 91.18 | 41.75 | 8.92 | 0.48 | 0.48 | 19.15 | 0.35 | 0.55 | 0.58 | 0.59 | 0.39 |
| 1441 | 75.24 | 91.15 | 91.15 | 48.94 | 13.02 | 0.47 | 0.47 | 21.16 | 0.45 | 0.57 | 0.58 | 0.66 | 0.50 |
| 1442 | 77.96 | 91.10 | 91.10 | 47.60 | 11.02 | 0.46 | 0.46 | 19.98 | 0.41 | 0.59 | 0.61 | 0.63 | 0.46 |
| 633 | 59.22 | 91.08 | 91.08 | 31.91 | 11.41 | 0.41 | 0.41 | 15.52 | 0.28 | 0.44 | 0.45 | 0.43 | 0.26 |
| 1444 | 89.01 | 90.89 | 90.89 | 57.31 | 9.11 | 0.47 | 0.47 | 35.76 | 0.78 | 0.53 | 0.55 | 1.53 | 1.06 |
| 631 | 87.94 | 90.88 | 90.88 | 41.68 | 8.73 | 0.53 | 0.53 | 34.02 | 0.56 | 0.59 | 0.63 | 1.06 | 0.69 |
| 632 | 86.08 | 90.98 | 90.98 | 44.81 | 11.27 | 0.53 | 0.53 | 33.87 | 0.61 | 0.62 | 0.65 | 1.11 | 0.73 |
| 921 | 86.35 | 91.23 | 91.23 | 29.52 | 8.49 | 0.45 | 0.45 | 30.16 | 0.43 | 0.56 | 0.60 | 0.94 | 0.49 |
| 1445 | 80.54 | 90.74 | 90.74 | 46.49 | 9.26 | 0.39 | 0.39 | 18.97 | 0.38 | 0.53 | 0.55 | 0.66 | 0.43 |
| 1446 | 80.14 | 91.24 | 91.24 | 49.43 | 10.36 | 0.48 | 0.48 | 20.11 | 0.42 | 0.63 | 0.66 | 0.66 | 0.48 |
| 1448 | 85.17 | 91.25 | 91.25 | 54.77 | 9.04 | 0.52 | 0.52 | 22.15 | 0.50 | 0.54 | 0.57 | 0.83 | 0.61 |
| 635 | 71.04 | 91.15 | 91.15 | 45.75 | 11.41 | 0.48 | 0.48 | 17.13 | 0.38 | 0.58 | 0.60 | 0.60 | 0.38 |
| 1447 | 89.26 | 90.75 | 90.75 | 53.21 | 6.64 | 0.40 | 0.40 | 29.67 | 0.57 | 0.51 | 0.56 | 1.06 | 0.79 |
| 1449 | 85.92 | 90.72 | 90.72 | 54.88 | 9.83 | 0.47 | 0.47 | 25.81 | 0.57 | 0.59 | 0.64 | 0.96 | 0.72 |
| 1450 | 82.29 | 90.73 | 90.73 | 59.83 | 13.22 | 0.40 | 0.40 | 24.77 | 0.74 | 0.54 | 0.55 | 1.34 | 0.80 |
| 1451 | 83.32 | 90.95 | 90.95 | 55.34 | 9.38 | 0.51 | 0.51 | 19.99 | 0.50 | 0.59 | 0.64 | 0.89 | 0.56 |
| 638 | 81.53 | 90.83 | 90.83 | 48.18 | 15.10 | 0.40 | 0.40 | 31.80 | 0.60 | 0.48 | 0.49 | 0.91 | 0.75 |
| 643 | 78.28 | 91.18 | 91.18 | 39.32 | 9.57 | 0.43 | 0.43 | 19.15 | 0.33 | 0.48 | 0.50 | 0.54 | 0.37 |
| 1452 | 82.22 | 91.00 | 91.00 | 45.48 | 13.23 | 0.36 | 0.36 | 29.80 | 0.55 | 0.37 | 0.37 | 0.91 | 0.65 |
| 1456 | 71.42 | 91.19 | 91.19 | 40.26 | 13.80 | 0.45 | 0.45 | 22.13 | 0.42 | 0.62 | 0.63 | 0.66 | 0.43 |
| 645 | 88.00 | 91.31 | 91.31 | 45.03 | 8.51 | 0.51 | 0.51 | 32.05 | 0.55 | 0.56 | 0.60 | 1.00 | 0.69 |
| 1458 | 80.56 | 90.99 | 90.99 | 53.92 | 11.74 | 0.36 | 0.36 | 21.95 | 0.54 | 0.39 | 0.40 | 0.94 | 0.59 |
| 1457 | 70.39 | 90.66 | 90.66 | 34.32 | 13.43 | 0.48 | 0.48 | 22.20 | 0.40 | 0.61 | 0.64 | 0.71 | 0.39 |
| 1459 | 84.66 | 90.92 | 90.92 | 37.08 | 6.00 | 0.44 | 0.44 | 17.28 | 0.28 | 0.48 | 0.53 | 0.56 | 0.32 |
| 650 | 79.89 | 91.24 | 91.24 | 48.64 | 9.50 | 0.44 | 0.44 | 18.41 | 0.39 | 0.53 | 0.55 | 0.63 | 0.43 |
| 646 | 79.38 | 90.92 | 90.92 | 41.68 | 14.09 | 0.45 | 0.45 | 28.81 | 0.51 | 0.47 | 0.48 | 0.82 | 0.59 |
| 1460 | 79.10 | 91.22 | 91.22 | 49.44 | 9.30 | 0.45 | 0.45 | 17.25 | 0.38 | 0.50 | 0.52 | 0.62 | 0.41 |
| 649 | 88.43 | 90.83 | 90.83 | 51.37 | 9.13 | 0.45 | 0.45 | 34.62 | 0.63 | 0.57 | 0.60 | 1.01 | 0.88 |
| 1455 | 88.54 | 91.33 | 91.33 | 40.36 | 7.45 | 0.46 | 0.46 | 32.19 | 0.50 | 0.48 | 0.51 | 0.94 | 0.63 |
| 659 | 77.54 | 91.38 | 91.38 | 40.61 | 11.58 | 0.49 | 0.49 | 22.24 | 0.39 | 0.58 | 0.60 | 0.62 | 0.44 |
| 913 | 75.41 | 91.12 | 91.12 | 21.50 | 12.60 | 0.44 | 0.44 | 26.45 | 0.35 | 0.48 | 0.49 | 0.60 | 0.38 |
| 1462 | 85.47 | 91.01 | 91.01 | 54.79 | 10.00 | 0.46 | 0.46 | 25.17 | 0.57 | 0.58 | 0.61 | 0.97 | 0.69 |
| 660 | 86.65 | 91.14 | 91.14 | 45.34 | 9.45 | 0.48 | 0.48 | 29.89 | 0.51 | 0.52 | 0.55 | 0.84 | 0.65 |
| 1463 | 78.62 | 90.82 | 90.82 | 48.83 | 14.64 | 0.46 | 0.46 | 26.84 | 0.54 | 0.62 | 0.64 | 0.79 | 0.64 |
| 665 | 61.10 | 90.96 | 90.96 | 35.58 | 11.45 | 0.39 | 0.39 | 15.56 | 0.31 | 0.40 | 0.40 | 0.46 | 0.28 |
| 662 | 82.80 | 91.06 | 91.06 | 51.57 | 15.62 | 0.49 | 0.49 | 33.86 | 0.73 | 0.53 | 0.54 | 1.23 | 0.86 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|------------|-----------|--------|--------|-----------------------|------|------|---------------------------------|-------------------------------|--|--------------------------------------|
| FK6 No. | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ [mas] | $\Delta\delta_{sys}$ [mas] | $\Delta\mu_{\alpha^*,sys}$ [mas/yr] | $\Delta\mu_{\delta,sys}$ [mas/yr] |
| | SI | STP | HIP | SI | STP | HIP | | | | |
| 619 | 6.57 | 6.63 | 6.64 | 0.45 | 0.45 | 0.45 | - 51.22 | - 43.80 | + 1.88 | + 1.24 |
| 623 | 7.93 | 7.99 | 8.00 | 0.57 | 0.58 | 0.58 | - 53.92 | - 65.24 | - 0.19 | + 0.57 |
| 1431 | 4.42 | 4.38 | 4.37 | 0.79 | 0.80 | 0.80 | - 4.40 | - 75.60 | + 2.01 | - 0.64 |
| 1432 | 9.44 | 9.69 | 9.72 | 0.53 | 0.54 | 0.54 | - 63.79 | - 34.55 | + 1.54 | + 1.63 |
| 611 | 20.46 | 20.44 | 20.44 | 0.53 | 0.53 | 0.53 | + 165.40 | - 16.46 | - 8.18 | + 1.30 |
| 620 | 7.97 | 7.62 | 7.59 | 0.77 | 0.78 | 0.78 | + 3.90 | - 84.37 | + 3.60 | + 0.64 |
| 1433 | 102.39 | 102.29 | 102.27 | 0.84 | 0.85 | 0.85 | - 9.11 | - 39.96 | + 1.37 | + 0.15 |
| 622 | 7.17 | 7.13 | 7.12 | 0.71 | 0.71 | 0.71 | + 2.44 | - 73.41 | + 1.94 | + 0.81 |
| 624 | 8.53 | 8.35 | 8.34 | 0.82 | 0.85 | 0.85 | + 6.66 | - 81.44 | + 1.94 | + 1.43 |
| 626 | 29.11 | 29.11 | 29.11 | 0.52 | 0.52 | 0.52 | - 26.06 | + 0.22 | + 0.90 | + 0.91 |
| 625 | 7.66 | 7.82 | 7.85 | 0.62 | 0.63 | 0.63 | + 81.85 | - 24.47 | - 3.95 | + 0.51 |
| 1437 | 2.89 | 3.17 | 3.16 | 1.26 | 1.28 | 1.35 | + 8.52 | - 81.60 | + 2.27 | + 1.47 |
| 628 | 49.93 | 49.86 | 49.85 | 0.78 | 0.81 | 0.81 | - 8.29 | - 71.72 | + 2.44 | - 0.64 |
| 1440 | 4.31 | 4.30 | 4.30 | 0.66 | 0.66 | 0.66 | + 13.60 | - 30.56 | + 0.48 | + 0.23 |
| 629 | 7.30 | 7.22 | 7.21 | 0.78 | 0.79 | 0.79 | - 4.53 | - 31.66 | + 1.34 | + 0.45 |
| 1441 | 33.29 | 33.30 | 33.30 | 0.61 | 0.62 | 0.62 | + 1.47 | - 10.95 | + 1.10 | + 0.51 |
| 1442 | 13.95 | 13.95 | 13.95 | 0.71 | 0.72 | 0.72 | - 3.90 | - 44.39 | + 2.48 | + 0.27 |
| 633 | 38.22 | 38.00 | 37.99 | 0.74 | 0.75 | 0.75 | - 9.32 | - 45.65 | + 2.57 | + 0.21 |
| 1444 | 6.24 | 6.23 | 6.23 | 0.74 | 0.74 | 0.74 | + 21.95 | - 20.57 | + 2.21 | - 1.50 |
| 631 | 5.77 | 5.70 | 5.68 | 0.91 | 0.91 | 0.91 | + 28.64 | - 21.33 | - 0.79 | - 0.68 |
| 632 | 10.73 | 10.73 | 10.72 | 0.77 | 0.79 | 0.79 | + 13.09 | - 22.39 | + 1.08 | - 1.17 |
| 921 | 5.51 | 5.46 | 5.45 | 0.52 | 0.52 | 0.52 | + 66.78 | - 35.38 | - 2.65 | + 0.55 |
| 1445 | 7.69 | 8.05 | 8.11 | 1.04 | 1.07 | 1.07 | - 15.71 | - 41.81 | + 1.70 | + 0.31 |
| 1446 | 10.98 | 11.04 | 11.05 | 0.61 | 0.62 | 0.62 | - 9.57 | - 6.66 | + 1.29 | + 0.63 |
| 1448 | 7.00 | 6.95 | 6.94 | 0.59 | 0.60 | 0.60 | - 54.18 | + 7.60 | + 1.48 | + 1.46 |
| 635 | 22.74 | 22.69 | 22.68 | 0.72 | 0.72 | 0.72 | - 5.04 | - 36.81 | + 2.03 | + 0.41 |
| 1447 | 2.60 | 2.58 | 2.52 | 0.87 | 0.90 | 0.92 | + 2.76 | - 78.58 | + 3.73 | + 0.84 |
| 1449 | 7.96 | 8.08 | 8.13 | 0.91 | 0.92 | 0.93 | + 4.87 | - 76.39 | + 2.08 | + 1.34 |
| 1450 | 24.66 | 24.78 | 24.79 | 0.86 | 0.87 | 0.87 | - 0.70 | - 67.59 | + 2.12 | + 0.77 |
| 1451 | 8.01 | 8.09 | 8.11 | 0.92 | 0.93 | 0.93 | - 22.73 | - 46.24 | + 2.58 | + 0.11 |
| 638 | 45.55 | 45.56 | 45.56 | 0.78 | 0.79 | 0.79 | + 18.75 | - 29.74 | + 1.86 | - 1.68 |
| 643 | 8.89 | 8.89 | 8.89 | 0.52 | 0.52 | 0.52 | - 26.08 | - 2.72 | + 1.23 | + 0.82 |
| 1452 | 19.82 | 19.80 | 19.80 | 0.72 | 0.72 | 0.72 | - 13.26 | - 69.53 | + 3.06 | - 0.46 |
| 1456 | 69.54 | 69.48 | 69.48 | 0.55 | 0.56 | 0.56 | - 8.66 | - 9.82 | + 1.40 | + 0.62 |
| 645 | 5.35 | 5.40 | 5.41 | 0.76 | 0.76 | 0.76 | + 18.13 | - 17.61 | - 1.07 | - 0.93 |
| 1458 | 16.40 | 16.21 | 16.19 | 0.79 | 0.80 | 0.80 | - 20.26 | - 32.45 | + 1.54 | + 0.12 |
| 1457 | 38.94 | 38.96 | 38.96 | 0.86 | 0.87 | 0.87 | + 3.89 | - 75.63 | + 2.89 | + 1.09 |
| 1459 | 2.58 | 2.71 | 2.78 | 0.88 | 0.91 | 0.92 | - 34.66 | - 40.32 | + 1.86 | - 0.07 |
| 650 | 9.20 | 9.01 | 8.98 | 0.49 | 0.50 | 0.50 | - 91.66 | + 2.99 | + 1.52 | + 1.99 |
| 646 | 28.85 | 29.22 | 29.26 | 0.84 | 0.86 | 0.86 | - 10.40 | - 72.00 | + 3.68 | + 0.06 |
| 1460 | 8.94 | 8.88 | 8.88 | 0.62 | 0.64 | 0.64 | + 5.97 | - 29.24 | + 0.86 | + 0.36 |
| 649 | 6.32 | 6.29 | 6.29 | 0.80 | 0.81 | 0.81 | - 21.12 | - 54.12 | + 1.87 | - 1.25 |
| 1455 | 4.04 | 4.02 | 4.02 | 0.58 | 0.58 | 0.58 | + 149.21 | - 7.58 | - 7.24 | + 0.67 |
| 659 | 15.04 | 15.02 | 15.02 | 0.53 | 0.54 | 0.54 | - 84.97 | - 40.93 | + 1.95 | + 1.25 |
| 913 | 17.85 | 17.85 | 17.85 | 0.48 | 0.48 | 0.48 | + 18.37 | - 13.88 | - 1.93 | + 1.19 |
| 1462 | 8.58 | 8.61 | 8.62 | 0.53 | 0.53 | 0.53 | - 43.48 | + 2.19 | + 1.22 | + 1.17 |
| 660 | 7.15 | 7.05 | 7.03 | 0.71 | 0.73 | 0.73 | - 20.92 | - 44.70 | + 1.52 | - 1.49 |
| 1463 | 57.09 | 57.01 | 57.00 | 0.78 | 0.79 | 0.79 | + 2.44 | - 72.44 | + 1.79 | + 1.22 |
| 665 | 39.35 | 39.76 | 39.78 | 0.72 | 0.75 | 0.75 | - 37.49 | - 40.70 | + 1.94 | - 0.07 |
| 662 | 65.66 | 65.49 | 65.46 | 0.78 | 0.80 | 0.80 | + 1.65 | - 14.11 | + 0.76 | - 1.66 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|------------|---------------------------------------|-------------------------------------|--|--|-----------|----------|----------|--------------|----------|----------------------|
| FK6 No. | $\varepsilon_{\alpha^*,sys}$ [mas] | $\varepsilon_{\delta,sys}$ [mas] | $\varepsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\varepsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 619 | 11.75 | 9.68 | 0.43 | 0.25 | 1 | 2.96 | 1.21 | 0.71 | 2.93 | 379 |
| 623 | 13.72 | 12.34 | 0.48 | 0.28 | 1 | 2.72 | 1.89 | 2.77 | 1.62 | 380 |
| 1431 | 8.98 | 7.06 | 0.29 | 0.18 | 1 | 2.42 | 1.85 | 1.13 | 3.69 | 381 |
| 1432 | 11.08 | 9.12 | 0.36 | 0.23 | 1 | 1.44 | 6.07 | 3.03 | 5.28 | 382 |
| 611 | 14.99 | 13.19 | 0.51 | 0.32 | 1 | 3.20 | 0.91 | 1.58 | 2.25 | 383 |
| 620 | 8.97 | 6.83 | 0.30 | 0.18 | 1 | 3.84 | 2.29 | 0.63 | 2.12 | 384 |
| 1433 | 7.14 | 6.44 | 0.27 | 0.18 | 1 | 2.30 | 1.43 | 2.90 | 1.38 | 385 |
| 622 | 7.99 | 6.42 | 0.26 | 0.15 | 1 | 1.54 | 0.99 | 0.55 | 1.01 | 386 |
| 624 | 8.92 | 6.77 | 0.26 | 0.17 | 1 | 1.59 | 1.16 | 0.68 | 0.76 | |
| 626 | 8.98 | 7.12 | 0.31 | 0.18 | 1 | 2.33 | 1.66 | 1.45 | 4.72 | 387 |
| 625 | 12.08 | 9.51 | 0.44 | 0.25 | 1 | 1.52 | 1.35 | 2.13 | 0.76 | |
| 1437 | 8.84 | 6.85 | 0.30 | 0.19 | 1 | 2.49 | 2.19 | 2.07 | 4.39 | 388 |
| 628 | 8.92 | 6.72 | 0.29 | 0.18 | 1 | 1.70 | 1.51 | 0.80 | 0.41 | |
| 1440 | 8.95 | 6.68 | 0.30 | 0.19 | 1 | 0.08 | 1.05 | 1.28 | 0.74 | |
| 629 | 8.89 | 6.40 | 0.26 | 0.17 | 1 | 2.43 | 0.75 | 0.95 | 2.38 | 389 |
| 1441 | 8.74 | 6.92 | 0.30 | 0.18 | 1 | 0.97 | 1.93 | 0.38 | 2.58 | 390 |
| 1442 | 8.23 | 6.18 | 0.26 | 0.15 | 1 | 1.70 | 0.89 | 0.88 | 2.85 | 391 |
| 633 | 8.12 | 6.17 | 0.26 | 0.15 | 1 | 1.99 | 2.49 | 3.12 | 1.96 | |
| 1444 | 9.85 | 7.10 | 0.31 | 0.22 | 1 | 0.95 | 0.57 | 0.27 | 1.19 | 392 |
| 631 | 9.95 | 8.11 | 0.34 | 0.21 | 1 | 0.31 | 1.32 | 1.01 | 0.93 | |
| 632 | 9.85 | 7.54 | 0.32 | 0.22 | 1 | 3.04 | 0.86 | 1.80 | 2.76 | 393 |
| 921 | 18.53 | 15.92 | 0.64 | 0.45 | 1 | 1.06 | 0.79 | 2.49 | 1.02 | |
| 1445 | 8.06 | 5.96 | 0.27 | 0.17 | 1 | 3.62 | 1.68 | 1.40 | 4.81 | 394 |
| 1446 | 9.05 | 6.58 | 0.29 | 0.18 | 1 | 1.36 | 0.70 | 0.99 | 1.68 | 395 |
| 1448 | 10.55 | 6.96 | 0.30 | 0.20 | 1 | 1.64 | 1.58 | 1.84 | 2.43 | 396 |
| 635 | 9.25 | 6.08 | 0.26 | 0.15 | 1 | 1.97 | 1.31 | 2.11 | 2.32 | 397 |
| 1447 | 8.96 | 6.24 | 0.29 | 0.18 | 1 | 1.02 | 2.18 | 0.49 | 1.78 | 398 |
| 1449 | 9.59 | 6.35 | 0.27 | 0.17 | 1 | 1.09 | 1.33 | 0.59 | 1.48 | 399 |
| 1450 | 8.95 | 5.94 | 0.26 | 0.14 | 1 | 1.66 | 0.83 | 1.37 | 1.41 | 400 |
| 1451 | 8.30 | 6.14 | 0.25 | 0.15 | 1 | 0.89 | 0.90 | 0.15 | 0.18 | |
| 638 | 10.38 | 7.10 | 0.30 | 0.20 | 1 | 2.39 | 2.48 | 0.92 | 3.89 | |
| 643 | 9.56 | 6.30 | 0.29 | 0.17 | 1 | 0.47 | 0.59 | 0.45 | 0.79 | |
| 1452 | 9.11 | 6.84 | 0.29 | 0.18 | 1 | 0.29 | 0.64 | 1.35 | 0.32 | |
| 1456 | 9.04 | 6.81 | 0.28 | 0.17 | 1 | 0.84 | 0.93 | 1.13 | 0.56 | 401 |
| 645 | 10.65 | 8.10 | 0.33 | 0.21 | 1 | 1.02 | 1.91 | 0.64 | 2.62 | |
| 1458 | 7.68 | 6.33 | 0.25 | 0.18 | 1 | 1.24 | 1.64 | 2.43 | 0.54 | |
| 1457 | 8.89 | 6.60 | 0.27 | 0.19 | 1 | 1.01 | 0.36 | 0.48 | 1.74 | |
| 1459 | 8.12 | 6.19 | 0.25 | 0.17 | 1 | 1.06 | 1.19 | 1.28 | 0.86 | |
| 650 | 10.86 | 7.06 | 0.29 | 0.21 | 1 | 3.71 | 3.28 | 3.34 | 3.44 | 402 |
| 646 | 9.36 | 6.63 | 0.27 | 0.18 | 1 | 2.50 | 2.76 | 2.44 | 1.78 | |
| 1460 | 9.14 | 6.46 | 0.26 | 0.18 | 1 | 1.65 | 1.42 | 1.06 | 3.06 | |
| 649 | 9.36 | 6.49 | 0.27 | 0.17 | 1 | 0.84 | 1.04 | 0.86 | 0.27 | 403 |
| 1455 | 18.52 | 13.66 | 0.53 | 0.33 | 1 | 3.81 | 0.26 | 1.48 | 3.08 | 404 |
| 659 | 12.26 | 9.50 | 0.40 | 0.24 | 1 | 0.84 | 0.44 | 1.42 | 0.73 | 405 |
| 913 | 21.40 | 18.41 | 0.63 | 0.46 | 1 | 0.70 | 1.07 | 0.93 | 0.75 | 406 |
| 1462 | 10.40 | 7.51 | 0.29 | 0.19 | 1 | 1.70 | 1.36 | 0.75 | 0.60 | 407 |
| 660 | 9.42 | 7.19 | 0.27 | 0.18 | 1 | 0.67 | 1.55 | 2.13 | 1.26 | 408 |
| 1463 | 9.08 | 6.68 | 0.25 | 0.18 | 1 | 1.39 | 1.11 | 1.41 | 0.92 | |
| 665 | 7.97 | 6.37 | 0.24 | 0.17 | 1 | 1.96 | 2.71 | 1.53 | 1.04 | 409 |
| 662 | 10.75 | 7.56 | 0.31 | 0.21 | 1 | 0.54 | 1.41 | 0.79 | 0.75 | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------|------------|----------------------------|-----------------------------|-----------------------------|--|--------------------------------------|
| FK6 No. | HIP No. | Name | α (SI) 2000 h m s | δ (SI) 2000 ° ′ ″ | μ_{α^*} (SI) 2000 [mas/yr] | μ_{δ} (SI) 2000 [mas/yr] |
| 661 | 86929 | η Pav | 17 45 43.987 853 | - 64 43 25.938 86 | - 10.67 | - 56.53 |
| 1464 | 87072 | X Sgr | 17 47 33.624 029 | - 27 49 50.829 19 | - 4.59 | - 9.62 |
| 668 | 87108 | γ Oph | 17 47 53.560 291 | + 2 42 26.200 86 | - 23.53 | - 74.35 |
| 1465 | 87158 | +20°3570 Her | 17 48 24.768 404 | + 20 33 55.590 71 | + 25.45 | + 5.90 |
| 675 | 87234 | 35 Dra | 17 49 27.032 761 | + 76 57 46.370 50 | + 37.07 | + 247.98 |
| 1466 | 87289 | +9°3485 Oph | 17 50 9.245 777 | + 9 50 53.779 17 | - 28.29 | - 41.36 |
| 671 | 87585 | ξ Dra | 17 53 31.728 797 | + 56 52 21.510 40 | + 93.04 | + 78.03 |
| 1467 | 87710 | -7°4523 Oph | 17 54 57.672 875 | - 7 44 2.203 19 | - 53.91 | - 55.05 |
| 672 | 87808 | ϑ Her | 17 56 15.180 609 | + 37 15 1.935 35 | + 2.83 | + 6.60 |
| 674 | 87933 | ξ Her | 17 57 45.885 526 | + 29 14 52.367 87 | + 82.07 | - 18.64 |
| 673 | 88048 | ν Oph | 17 59 1.592 643 | - 9 46 25.077 67 | - 8.38 | - 116.41 |
| 1469 | 88128 | 93 Her | 18 0 3.415 901 | + 16 45 3.309 71 | - 7.84 | - 10.46 |
| 1470 | 88258 | 6 Sgr | 18 1 23.122 314 | - 17 9 24.721 56 | - 0.09 | - 6.12 |
| 679 | 88635 | γ Sgr | 18 5 48.487 302 | - 30 25 26.759 86 | - 55.16 | - 185.21 |
| 1471 | 88714 | ϑ Ara | 18 6 37.870 815 | - 50 5 29.319 95 | - 8.78 | - 9.53 |
| 1472 | 88981 | -13°4863 Ser | 18 9 43.379 842 | - 13 56 3.968 31 | + 14.52 | - 3.47 |
| 685 | 89348 | 36 Dra | 18 13 53.831 673 | + 64 23 50.224 60 | + 350.51 | + 35.05 |
| 684 | 89482 | Grb 2533 Lyr | 18 15 38.777 409 | + 42 9 33.638 91 | - 2.49 | + 0.42 |
| 1474 | 89605 | 6 G. Tel | 18 17 7.532 472 | - 56 1 24.063 96 | - 4.78 | - 12.81 |
| 1477 | 89826 | κ Lyr | 18 19 51.709 677 | + 36 3 52.370 53 | - 15.98 | + 41.31 |
| 688 | 89962 | η Ser | 18 21 18.600 610 | - 2 53 55.772 97 | - 547.84 | - 701.00 |
| 690 | 90139 | 109 Her | 18 23 41.889 614 | + 21 46 11.110 91 | + 195.56 | - 242.53 |
| 691 | 90422 | α Tel | 18 26 58.416 281 | - 45 58 6.453 98 | - 16.67 | - 53.60 |
| 692 | 90496 | λ Sgr | 18 27 58.240 162 | - 25 25 18.117 28 | - 45.42 | - 185.92 |
| 696 | 90595 | γ Sct | 18 29 11.853 101 | - 14 33 56.927 49 | + 1.94 | - 3.36 |
| 1480 | 90642 | 60 Ser | 18 29 40.980 067 | - 1 59 7.106 18 | + 30.18 | - 33.59 |
| 700 | 90647 | Grb 2655 Dra | 18 29 44.965 845 | + 77 32 49.451 56 | + 0.80 | + 0.08 |
| 1481 | 90762 | +16°3529 Her | 18 31 4.448 998 | + 16 55 42.801 10 | - 32.11 | - 20.80 |
| 697 | 90982 | ϑ CrA | 18 33 30.185 728 | - 42 18 45.035 94 | + 32.47 | - 21.10 |
| 1483 | 90999 | Grb 2603 Lyr | 18 33 47.662 713 | + 46 13 8.948 49 | + 0.58 | + 12.93 |
| 1482 | 91117 | α Sct | 18 35 12.427 316 | - 8 14 38.653 71 | - 17.86 | - 313.55 |
| 699 | 91262 | α Lyr | 18 36 56.336 939 | + 38 47 1.283 33 | + 201.70 | + 286.67 |
| 1487 | 92041 | φ Sgr | 18 45 39.387 171 | - 26 59 26.806 76 | + 52.19 | - 0.12 |
| 1488 | 92088 | +26°3349 Lyr | 18 46 4.479 915 | + 26 39 43.666 31 | + 18.10 | + 24.28 |
| 704 | 92609 | λ Pav | 18 52 13.035 085 | - 62 11 15.337 49 | - 1.17 | - 13.63 |
| 922 | 92824 | χ Oct | 18 54 47.134 880 | - 87 36 21.045 11 | - 36.77 | - 136.17 |
| 706 | 92855 | σ Sgr | 18 55 15.925 348 | - 26 17 48.213 43 | + 13.33 | - 54.22 |
| 711 | 92862 | R Lyr | 18 55 20.101 611 | + 43 56 45.923 12 | + 20.29 | + 81.11 |
| 1495 | 92882 | 114 G. Sgr | 18 55 31.005 953 | - 16 22 35.885 75 | - 26.26 | - 184.08 |
| 708 | 93148 | λ Tel | 18 58 27.767 386 | - 52 56 19.066 34 | + 12.56 | - 9.09 |
| 717 | 93805 | λ Aql | 19 6 14.938 934 | - 4 52 57.199 64 | - 18.74 | - 90.92 |
| 1498 | 93843 | Pi 18 ^h 318 Lyr | 19 6 37.734 373 | + 28 37 42.943 41 | + 75.63 | + 84.67 |
| 718 | 94114 | α CrA | 19 9 28.341 356 | - 37 54 16.107 04 | + 85.27 | - 96.54 |
| 723 | 94376 | δ Dra | 19 12 33.300 012 | + 67 39 41.543 77 | + 94.50 | + 91.74 |
| 1500 | 94385 | 20 Aql | 19 12 40.711 927 | - 7 56 22.260 04 | + 14.06 | - 6.55 |
| 724 | 94713 | ϑ Lyr | 19 16 22.094 365 | + 38 8 1.441 51 | - 1.43 | + 2.45 |
| 1499 | 94714 | 42 G. Oct | 19 16 22.410 662 | - 75 48 0.361 83 | + 6.76 | - 19.86 |
| 726 | 94779 | κ Cyg | 19 17 6.167 994 | + 53 22 6.452 78 | + 59.40 | + 122.81 |
| 725 | 94834 | ω Aql | 19 17 48.998 975 | + 11 35 43.523 94 | + 0.91 | + 13.19 |
| 1501 | 94986 | 162 G. Sgr | 19 19 39.993 748 | - 35 25 17.228 15 | + 6.65 | - 11.27 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|--|---|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | ε_{α^*} (SI) [mas] | $\varepsilon_{\mu,\alpha^*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 661 | 91.29 | 0.46 | 0.42 | 91.23 | 0.45 | 0.40 | 8.79 | 0.65 | H | - 7.6 | 3.61 | | 31 | | |
| 1464 | 91.05 | 0.81 | 0.37 | 91.03 | 0.53 | 0.34 | 3.02 | 0.35 | C | - 13.0 | 4.53 | 3 | 19 | | 1 |
| 668 | 91.25 | 0.80 | 0.26 | 91.39 | 0.55 | 0.27 | 34.42 | 0.99 | H | - 5.0 | 3.75 | | 19 | | 1 |
| 1465 | 91.33 | 0.44 | 0.37 | 91.15 | 0.44 | 0.39 | 13.04 | 0.68 | H | - 26.3 | 5.69 | | 11 | 1 | 3 |
| 675 | 91.38 | 0.43 | 0.29 | 91.47 | 0.45 | 0.29 | 31.13 | 0.47 | H | - 23.0 | 5.02 | | 15 | 1 | 3 |
| 1466 | 91.25 | 0.67 | 0.40 | 91.02 | 0.49 | 0.35 | 4.74 | 0.87 | H | - 16.3 | 6.74 | | 19 | | 1 |
| 671 | 91.04 | 0.47 | 0.28 | 91.11 | 0.45 | 0.28 | 29.26 | 0.49 | H | - 25.7 | 3.73 | | 19 | | 1 |
| 1467 | 91.29 | 0.85 | 0.49 | 91.54 | 0.57 | 0.46 | 22.30 | 0.99 | H | - 74.2 | 6.92 | | 21 | 2 | |
| 672 | 91.11 | 0.42 | 0.27 | 91.09 | 0.44 | 0.28 | 4.87 | 0.54 | H | - 27.2 | 3.86 | 1 | 11 | 1 | 3 |
| 674 | 91.28 | 0.37 | 0.28 | 91.04 | 0.39 | 0.28 | 24.12 | 0.52 | H | - 1.5 | 3.70 | 1 | 31 | | |
| 673 | 91.04 | 0.71 | 0.26 | 91.25 | 0.45 | 0.24 | 21.35 | 0.79 | H | + 12.6 | 3.32 | | 31 | | |
| 1469 | 91.06 | 0.53 | 0.38 | 91.05 | 0.46 | 0.41 | 4.97 | 0.82 | H | - 23.5 | 4.67 | | 11 | 1 | 3 |
| 1470 | 91.29 | 0.89 | 0.42 | 91.61 | 0.54 | 0.39 | 1.76 | 1.09 | H | - 22.0 | 6.27 | | 39 | | |
| 679 | 91.06 | 0.82 | 0.35 | 91.48 | 0.49 | 0.31 | 33.94 | 0.87 | H | + 22.0 | 2.98 | | 28 | 2 | |
| 1471 | 90.96 | 0.56 | 0.45 | 91.21 | 0.39 | 0.34 | 3.22 | 0.71 | H | + 3.4 | 3.65 | 1 | 31 | | |
| 1472 | 90.97 | 0.76 | 0.46 | 91.22 | 0.45 | 0.37 | 4.87 | 0.83 | H | - 20.3 | 6.38 | | 11 | 1 | 3 |
| 685 | 91.36 | 0.44 | 0.29 | 91.49 | 0.42 | 0.28 | 42.56 | 0.45 | H | - 35.6 | 4.99 | | 21 | 2 | |
| 684 | 91.26 | 0.42 | 0.28 | 91.21 | 0.40 | 0.29 | 6.04 | 0.48 | H | - 20.5 | 5.56 | 1 | 29 | 2 | |
| 1474 | 91.06 | 0.61 | 0.50 | 91.11 | 0.44 | 0.41 | 4.39 | 0.76 | H | + 15.0 | 5.36 | 2 | 18 | | |
| 1477 | 91.03 | 0.43 | 0.33 | 91.14 | 0.46 | 0.35 | 13.71 | 0.56 | H | - 22.3 | 4.33 | | 11 | 1 | 3 |
| 688 | 91.36 | 0.62 | 0.20 | 91.20 | 0.49 | 0.21 | 52.81 | 0.75 | H | + 8.4 | 3.23 | | 19 | | 1 |
| 690 | 90.75 | 0.35 | 0.24 | 91.13 | 0.41 | 0.23 | 25.40 | 0.65 | H | - 57.5 | 3.85 | | 39 | | |
| 691 | 91.24 | 0.58 | 0.51 | 91.61 | 0.40 | 0.38 | 13.08 | 0.71 | H | - 0.2 | 3.49 | 1 | 19 | | 1 |
| 692 | 91.14 | 0.82 | 0.31 | 91.55 | 0.45 | 0.31 | 42.20 | 0.90 | H | - 43.5 | 2.82 | | 15 | 1 | 3 |
| 696 | 91.26 | 0.83 | 0.33 | 91.40 | 0.62 | 0.32 | 11.19 | 0.92 | H | - 41.0 | 4.67 | | 19 | | 1 |
| 1480 | 91.30 | 0.67 | 0.32 | 91.22 | 0.54 | 0.33 | 13.81 | 0.78 | H | + 27.5 | 5.38 | | 18 | | |
| 700 | 91.13 | 0.46 | 0.32 | 91.02 | 0.43 | 0.32 | 6.87 | 0.48 | H | + 1.1 | 5.65 | | 19 | | 1 |
| 1481 | 91.34 | 0.47 | 0.33 | 91.45 | 0.39 | 0.34 | 7.88 | 0.67 | H | - 9.4 | 5.76 | | 39 | | |
| 697 | 91.31 | 0.73 | 0.58 | 91.72 | 0.47 | 0.45 | 3.76 | 0.87 | H | - 2.1 | 4.62 | | 19 | | 1 |
| 1483 | 91.35 | 0.49 | 0.38 | 91.26 | 0.44 | 0.36 | 3.72 | 0.53 | H | - 10.0 | 6.73 | | 31 | | |
| 1482 | 91.14 | 0.68 | 0.27 | 91.51 | 0.48 | 0.25 | 18.72 | 0.81 | H | + 35.8 | 3.85 | | 21 | 2 | |
| 699 | 90.93 | 0.46 | 0.21 | 90.98 | 0.45 | 0.20 | 128.93 | 0.55 | H | - 13.5 | 0.03 | 1 | 23 | 2 | |
| 1487 | 91.09 | 0.80 | 0.31 | 91.49 | 0.44 | 0.30 | 14.14 | 0.88 | H | + 21.5 | 3.17 | | 13 | | |
| 1488 | 91.27 | 0.34 | 0.32 | 91.22 | 0.41 | 0.37 | 12.96 | 0.54 | H | - 16.7 | 4.83 | | 19 | | 1 |
| 704 | 90.93 | 0.49 | 0.46 | 91.34 | 0.43 | 0.36 | 1.07 | 0.12 | P | + 9.0 | 4.22 | 2 | 19 | | 1 |
| 922 | 91.21 | 0.44 | 0.37 | 91.13 | 0.46 | 0.34 | 13.06 | 0.54 | H | + 33.6 | 5.29 | | 11 | 1 | 3 |
| 706 | 91.00 | 0.86 | 0.31 | 91.46 | 0.43 | 0.28 | 14.54 | 0.88 | H | - 11.2 | 2.05 | 1 | 29 | 2 | |
| 711 | 91.13 | 0.45 | 0.28 | 91.11 | 0.46 | 0.30 | 9.33 | 0.52 | H | - 28.3 | 4.08 | 2 | 33 | | |
| 1495 | 91.13 | 0.64 | 0.42 | 91.32 | 0.40 | 0.33 | 31.24 | 0.75 | H | - 41.8 | 5.56 | | 19 | | 1 |
| 708 | 91.25 | 0.61 | 0.59 | 91.51 | 0.40 | 0.43 | 6.14 | 0.66 | H | - 2.0 | 4.85 | | 18 | | |
| 717 | 91.48 | 0.64 | 0.26 | 91.62 | 0.41 | 0.24 | 26.05 | 0.81 | H | - 12.0 | 3.43 | | 39 | | |
| 1498 | 91.14 | 0.37 | 0.31 | 91.23 | 0.41 | 0.32 | 24.50 | 0.58 | H | - 24.0 | 5.53 | | 18 | | |
| 718 | 91.03 | 0.83 | 0.61 | 91.42 | 0.43 | 0.45 | 25.15 | 0.83 | H | - 18.4 | 4.11 | | 11 | 1 | 3 |
| 723 | 91.41 | 0.46 | 0.27 | 91.26 | 0.40 | 0.22 | 32.54 | 0.46 | H | + 24.8 | 3.07 | | 15 | 1 | 3 |
| 1500 | 91.53 | 0.67 | 0.30 | 91.58 | 0.40 | 0.26 | 2.68 | 0.80 | H | - 15.3 | 5.35 | 1 | 39 | | |
| 724 | 91.16 | 0.39 | 0.25 | 91.12 | 0.38 | 0.29 | 4.24 | 0.49 | H | - 30.9 | 4.35 | 1 | 25 | 2 | |
| 1499 | 91.21 | 0.45 | 0.51 | 91.31 | 0.52 | 0.50 | 3.38 | 0.69 | H | - 14.5 | 6.61 | | 28 | 2 | |
| 726 | 91.41 | 0.47 | 0.26 | 91.09 | 0.42 | 0.26 | 26.48 | 0.49 | H | - 29.3 | 3.80 | | 19 | | 1 |
| 725 | 91.28 | 0.55 | 0.25 | 91.30 | 0.43 | 0.23 | 7.72 | 0.68 | H | - 14.3 | 5.28 | | 19 | | 1 |
| 1501 | 91.09 | 0.85 | 0.73 | 91.36 | 0.55 | 0.51 | 1.77 | 0.84 | H | + 2.4 | 5.59 | | 19 | | 1 |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------------|--|---------|---------|----------|--------------------------------------|---------|---------|----------|
| FK6 No. | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 661 | + 2.27 | - 2.96 | - 3.57 | - 31.16 | + 4.23 | + 1.25 | + 1.42 | + 166.27 |
| 1464 | + 1.37 | + 3.42 | + 8.56 | + 24.70 | + 0.64 | - 5.24 | - 9.35 | - 49.28 |
| 668 | + 2.68 | + 3.21 | + 3.38 | + 9.59 | + 6.47 | - 6.31 | - 6.66 | + 28.77 |
| 1465 | - 3.93 | - 3.34 | - 3.69 | - 27.34 | + 8.42 | - 2.99 | - 3.45 | + 70.58 |
| 675 | - 8.34 | + 2.15 | + 2.24 | - 41.77 | - 7.95 | + 0.03 | + 0.03 | - 63.39 |
| 1466 | + 1.24 | - 3.30 | - 4.48 | + 6.44 | + 1.17 | - 4.24 | - 5.19 | - 36.29 |
| 671 | - 3.05 | + 5.24 | + 5.51 | - 7.14 | - 2.68 | + 3.55 | + 3.73 | - 10.19 |
| 1467 | + 23.19 | - 2.97 | - 5.31 | + 123.94 | + 12.05 | + 6.54 | + 7.54 | + 107.69 |
| 672 | + 1.34 | - 0.63 | - 0.81 | + 14.39 | - 4.80 | + 4.62 | + 5.69 | - 76.28 |
| 674 | + 15.00 | + 2.24 | + 2.24 | + 57.96 | + 14.73 | - 0.70 | - 0.79 | + 85.85 |
| 673 | - 0.03 | - 15.24 | - 17.10 | - 0.76 | + 0.31 | + 2.50 | + 2.59 | + 4.24 |
| 1469 | - 2.87 | + 1.84 | + 2.71 | - 26.64 | - 0.74 | - 0.91 | - 1.23 | - 23.78 |
| 1470 | + 3.37 | - 5.50 | - 13.61 | + 74.04 | + 2.67 | - 3.84 | - 4.88 | - 35.39 |
| 679 | - 12.20 | - 4.76 | - 5.30 | - 67.86 | + 4.71 | + 29.53 | + 31.23 | + 147.28 |
| 1471 | - 4.77 | + 1.83 | + 3.05 | - 110.60 | - 6.35 | + 1.62 | + 2.29 | - 139.84 |
| 1472 | - 0.60 | + 0.61 | + 0.79 | - 3.95 | - 1.86 | + 0.87 | + 1.13 | - 19.76 |
| 685 | - 29.55 | + 9.07 | + 9.67 | - 90.35 | - 17.17 | + 7.94 | + 8.45 | - 72.09 |
| 684 | + 14.78 | - 3.14 | - 3.83 | + 134.07 | - 6.48 | + 4.02 | + 4.63 | - 85.74 |
| 1474 | + 4.97 | - 3.23 | - 5.07 | + 43.48 | + 4.07 | - 1.06 | - 1.45 | + 44.45 |
| 1477 | - 5.81 | - 1.33 | - 1.42 | - 29.99 | + 5.30 | + 0.08 | + 0.08 | + 42.00 |
| 688 | - 15.16 | + 2.13 | + 2.30 | - 52.22 | + 10.54 | + 2.50 | + 2.50 | + 53.72 |
| 690 | - 14.43 | - 0.24 | - 0.24 | - 48.75 | - 2.73 | - 3.44 | - 3.53 | - 18.45 |
| 691 | - 1.16 | - 0.07 | - 0.07 | - 0.63 | + 3.89 | + 2.01 | + 2.26 | + 154.14 |
| 692 | + 1.60 | + 4.65 | + 5.26 | + 6.74 | + 1.05 | - 2.89 | - 3.14 | + 2.32 |
| 696 | - 0.51 | + 7.10 | + 9.75 | - 1.43 | + 2.40 | - 0.10 | - 0.92 | + 28.57 |
| 1480 | + 6.28 | - 3.21 | - 3.73 | + 31.60 | + 2.77 | - 1.75 | - 1.92 | + 18.06 |
| 700 | - 2.34 | + 5.98 | + 6.95 | + 3.90 | + 2.02 | - 6.00 | - 6.98 | + 4.08 |
| 1481 | - 9.73 | - 7.02 | - 7.97 | - 79.67 | - 5.20 | + 0.00 | - 0.01 | - 55.07 |
| 697 | - 3.09 | - 0.09 | + 0.08 | - 89.51 | + 0.83 | + 0.41 | + 0.57 | + 69.44 |
| 1483 | + 3.81 | + 3.24 | + 4.19 | + 97.28 | + 1.04 | - 1.90 | - 2.51 | - 21.93 |
| 1482 | + 15.57 | - 8.76 | - 9.54 | + 65.07 | + 9.23 | - 8.46 | - 8.77 | + 47.35 |
| 699 | - 25.23 | - 5.80 | - 5.98 | - 72.68 | - 37.05 | + 6.73 | + 7.17 | - 161.31 |
| 1487 | - 4.95 | - 7.59 | - 9.19 | - 41.13 | + 2.04 | + 4.43 | + 4.86 | + 36.04 |
| 1488 | - 8.32 | + 4.62 | + 5.06 | - 27.16 | - 4.32 | + 0.99 | + 1.08 | - 43.46 |
| 704 | + 0.36 | - 0.45 | - 1.45 | - 10.63 | - 0.66 | + 0.34 | + 0.87 | - 8.10 |
| 922 | - 2.62 | + 0.74 | + 0.74 | - 11.75 | - 7.35 | + 7.62 | + 8.41 | - 70.87 |
| 706 | - 11.57 | + 4.45 | + 4.99 | - 69.56 | - 1.89 | + 12.48 | + 13.33 | + 28.39 |
| 711 | + 15.53 | - 2.67 | - 3.11 | + 98.24 | - 0.46 | - 3.89 | - 4.51 | - 11.49 |
| 1495 | + 9.63 | - 0.46 | - 0.64 | + 65.07 | - 8.17 | + 0.87 | + 0.96 | - 76.47 |
| 708 | + 0.02 | - 5.80 | - 8.94 | - 111.43 | + 0.24 | + 1.50 | + 2.32 | + 33.06 |
| 717 | - 10.06 | - 7.29 | - 7.81 | - 41.44 | + 11.91 | + 4.33 | + 4.48 | + 77.12 |
| 1498 | - 5.60 | + 1.67 | + 1.76 | - 20.63 | + 0.52 | - 2.00 | - 2.08 | - 2.58 |
| 718 | - 7.86 | + 3.14 | + 4.12 | - 52.14 | + 1.15 | - 0.70 | - 0.96 | + 10.76 |
| 723 | + 16.60 | + 0.10 | + 0.01 | + 58.52 | - 0.27 | + 4.69 | + 4.87 | + 3.59 |
| 1500 | + 1.29 | - 7.62 | - 11.68 | + 4.62 | + 0.83 | - 3.67 | - 4.51 | - 18.84 |
| 724 | - 2.62 | + 7.06 | + 8.19 | + 3.39 | + 2.16 | - 8.80 | - 10.74 | - 28.45 |
| 1499 | - 0.81 | + 0.09 | + 0.26 | - 123.74 | + 5.63 | - 1.65 | - 3.39 | + 49.20 |
| 726 | - 12.89 | + 6.69 | + 7.04 | - 40.63 | + 0.84 | + 1.07 | + 1.17 | + 5.33 |
| 725 | - 5.30 | - 5.07 | - 5.77 | - 36.83 | - 0.42 | - 4.54 | - 4.98 | - 8.19 |
| 1501 | - 0.29 | + 0.98 | + 3.49 | + 27.44 | - 1.83 | + 0.52 | + 1.14 | + 3.68 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|---|--------|--------|--------|---------|---|--------|--------|--------|---------|
| FK6 | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| No. | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 661 | + 0.55 | - 0.34 | - 0.41 | + 0.09 | + 1.15 | - 0.11 | + 0.14 | + 0.16 | + 2.10 | - 1.38 |
| 1464 | + 0.05 | + 0.39 | + 0.97 | + 0.32 | - 0.20 | + 0.24 | - 0.59 | - 1.05 | - 0.26 | + 0.67 |
| 668 | - 0.02 | + 0.36 | + 0.38 | + 0.07 | - 0.13 | + 0.25 | - 0.73 | - 0.77 | + 0.53 | + 0.06 |
| 1465 | + 0.08 | - 0.38 | - 0.42 | - 0.35 | + 0.48 | + 0.48 | - 0.33 | - 0.38 | + 1.60 | - 0.05 |
| 675 | - 0.26 | + 0.25 | + 0.26 | - 0.71 | + 0.08 | - 0.09 | + 0.00 | + 0.00 | - 0.73 | + 0.29 |
| 1466 | + 0.18 | - 0.35 | - 0.48 | + 0.33 | + 0.20 | + 0.41 | - 0.46 | - 0.56 | - 0.15 | + 0.84 |
| 671 | - 0.28 | + 0.58 | + 0.61 | - 0.35 | - 0.25 | - 0.17 | + 0.39 | + 0.41 | - 0.26 | - 0.10 |
| 1467 | + 0.46 | - 0.34 | - 0.61 | + 2.42 | - 1.21 | - 0.01 | + 0.78 | + 0.90 | + 1.61 | - 1.11 |
| 672 | + 0.04 | - 0.07 | - 0.09 | + 0.22 | - 0.09 | - 0.21 | + 0.52 | + 0.64 | - 1.10 | + 0.19 |
| 674 | + 0.07 | + 0.26 | + 0.26 | + 0.72 | - 0.81 | + 0.25 | - 0.08 | - 0.09 | + 1.19 | - 0.52 |
| 673 | + 0.16 | - 1.72 | - 1.93 | + 0.17 | + 0.22 | - 0.08 | + 0.28 | + 0.29 | - 0.04 | - 0.13 |
| 1469 | - 0.11 | + 0.21 | + 0.31 | - 0.59 | + 0.18 | + 0.05 | - 0.11 | - 0.15 | - 0.31 | + 0.35 |
| 1470 | + 0.28 | - 0.62 | - 1.55 | + 1.56 | - 0.25 | + 0.41 | - 0.45 | - 0.56 | + 0.12 | + 1.00 |
| 679 | - 0.09 | - 0.53 | - 0.59 | - 0.78 | + 0.59 | - 1.31 | + 3.48 | + 3.68 | + 0.26 | - 2.28 |
| 1471 | - 0.31 | + 0.21 | + 0.35 | - 2.13 | + 0.68 | - 0.58 | + 0.19 | + 0.27 | - 2.57 | + 0.15 |
| 1472 | - 0.06 | + 0.07 | + 0.09 | - 0.14 | - 0.05 | - 0.17 | + 0.10 | + 0.13 | - 0.51 | - 0.07 |
| 685 | - 0.88 | + 1.05 | + 1.12 | - 1.81 | + 0.36 | - 0.53 | + 0.93 | + 0.99 | - 1.20 | + 0.14 |
| 684 | + 0.35 | - 0.36 | - 0.44 | + 2.12 | - 0.86 | - 0.32 | + 0.46 | + 0.53 | - 1.40 | + 0.13 |
| 1474 | + 0.54 | - 0.37 | - 0.58 | + 1.51 | + 0.44 | + 0.43 | - 0.13 | - 0.18 | + 1.20 | + 0.30 |
| 1477 | - 0.01 | - 0.15 | - 0.16 | - 0.48 | + 0.46 | + 0.05 | + 0.01 | + 0.01 | + 0.62 | - 0.47 |
| 688 | - 0.24 | + 0.25 | + 0.27 | - 0.70 | + 0.14 | + 0.03 | + 0.29 | + 0.29 | + 0.51 | - 0.29 |
| 690 | - 0.20 | - 0.02 | - 0.02 | - 0.67 | + 0.38 | + 0.11 | - 0.39 | - 0.40 | - 0.08 | + 0.26 |
| 691 | - 0.15 | - 0.01 | - 0.01 | - 0.15 | - 0.17 | - 0.35 | + 0.24 | + 0.27 | + 1.72 | - 1.58 |
| 692 | - 0.02 | + 0.54 | + 0.61 | + 0.04 | - 0.11 | + 0.10 | - 0.35 | - 0.38 | + 0.12 | + 0.09 |
| 696 | - 0.09 | + 0.82 | + 1.13 | - 0.13 | - 0.12 | - 0.04 | - 0.02 | - 0.12 | + 0.31 | - 0.25 |
| 1480 | + 0.19 | - 0.37 | - 0.43 | + 0.61 | - 0.12 | + 0.14 | - 0.20 | - 0.22 | + 0.37 | + 0.02 |
| 700 | - 0.39 | + 0.68 | + 0.79 | - 0.36 | - 0.53 | + 0.29 | - 0.67 | - 0.78 | + 0.36 | + 0.34 |
| 1481 | + 0.17 | - 0.82 | - 0.93 | - 1.04 | + 1.35 | - 0.13 | + 0.01 | + 0.01 | - 0.96 | + 0.37 |
| 697 | - 0.07 | - 0.01 | + 0.01 | - 1.70 | + 1.23 | - 0.06 | + 0.05 | + 0.07 | + 0.94 | - 0.93 |
| 1483 | - 0.16 | + 0.38 | + 0.49 | + 1.44 | - 1.46 | + 0.23 | - 0.22 | - 0.29 | - 0.06 | + 0.52 |
| 1482 | + 0.49 | - 1.03 | - 1.12 | + 1.17 | - 0.05 | + 0.46 | - 1.04 | - 1.08 | + 0.94 | + 0.24 |
| 699 | - 0.23 | - 0.65 | - 0.67 | - 0.82 | + 0.51 | - 0.41 | + 0.75 | + 0.80 | - 1.58 | + 0.50 |
| 1487 | + 0.03 | - 0.86 | - 1.04 | - 0.40 | + 0.36 | - 0.09 | + 0.52 | + 0.57 | + 0.28 | - 0.28 |
| 1488 | - 0.77 | + 0.53 | + 0.58 | - 1.19 | - 0.61 | - 0.17 | + 0.10 | + 0.11 | - 0.90 | + 0.18 |
| 704 | + 0.06 | - 0.05 | - 0.16 | - 0.03 | + 0.30 | - 0.08 | + 0.04 | + 0.10 | - 0.29 | - 0.16 |
| 922 | - 0.28 | + 0.08 | + 0.08 | - 0.42 | - 0.25 | - 0.69 | + 0.86 | + 0.95 | - 1.46 | - 0.53 |
| 706 | - 0.33 | + 0.48 | + 0.54 | - 1.09 | + 0.23 | - 0.59 | + 1.47 | + 1.57 | - 0.28 | - 0.82 |
| 711 | + 0.34 | - 0.30 | - 0.35 | + 1.59 | - 0.65 | + 0.09 | - 0.44 | - 0.51 | - 0.03 | + 0.20 |
| 1495 | + 0.16 | - 0.05 | - 0.07 | + 1.08 | - 0.50 | - 0.23 | + 0.10 | + 0.11 | - 1.26 | + 0.24 |
| 708 | + 0.52 | - 0.67 | - 1.03 | - 1.37 | + 2.21 | - 0.05 | + 0.18 | + 0.28 | + 0.40 | - 0.37 |
| 717 | + 0.01 | - 0.88 | - 0.94 | - 0.39 | + 0.47 | - 0.01 | + 0.53 | + 0.55 | + 0.74 | - 0.52 |
| 1498 | - 0.23 | + 0.19 | + 0.20 | - 0.50 | + 0.01 | + 0.15 | - 0.23 | - 0.24 | + 0.11 | + 0.21 |
| 718 | - 0.30 | + 0.35 | + 0.46 | - 1.16 | + 0.47 | + 0.05 | - 0.08 | - 0.11 | + 0.19 | - 0.07 |
| 723 | + 0.27 | + 0.00 | - 0.01 | + 0.90 | - 0.44 | - 0.17 | + 0.54 | + 0.56 | - 0.13 | - 0.21 |
| 1500 | + 0.19 | - 0.89 | - 1.37 | + 0.33 | + 0.28 | + 0.21 | - 0.42 | - 0.51 | + 0.01 | + 0.41 |
| 724 | - 0.45 | + 0.81 | + 0.94 | - 0.42 | - 0.62 | + 0.50 | - 1.00 | - 1.22 | + 0.20 | + 0.87 |
| 1499 | + 0.09 | + 0.01 | + 0.03 | - 2.75 | + 1.51 | + 0.68 | - 0.19 | - 0.39 | + 2.08 | + 1.03 |
| 726 | - 0.43 | + 0.78 | + 0.82 | - 0.84 | + 0.00 | - 0.02 | + 0.11 | + 0.12 | + 0.03 | - 0.06 |
| 725 | + 0.02 | - 0.58 | - 0.66 | - 0.39 | + 0.39 | + 0.10 | - 0.52 | - 0.57 | + 0.02 | + 0.19 |
| 1501 | - 0.10 | + 0.11 | + 0.39 | + 0.34 | - 0.77 | - 0.24 | + 0.06 | + 0.13 | - 0.48 | - 0.75 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------|------------|-------|-------|-------|--------------------------------|------|------|-------|--|------|------|------|---------|
| FK6 | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu, \alpha^*}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 661 | 87.01 | 91.29 | 91.29 | 61.21 | 10.19 | 0.46 | 0.46 | 27.12 | 0.68 | 0.50 | 0.52 | 1.10 | 0.90 |
| 1464 | 87.59 | 91.12 | 91.12 | 49.39 | 6.40 | 0.81 | 0.81 | 21.81 | 0.41 | 0.75 | 1.01 | 0.67 | 0.52 |
| 668 | 66.45 | 91.42 | 91.42 | 48.51 | 10.76 | 0.81 | 0.81 | 14.12 | 0.35 | 0.84 | 0.88 | 0.48 | 0.33 |
| 1465 | 79.61 | 91.36 | 91.36 | 61.85 | 10.02 | 0.44 | 0.44 | 15.92 | 0.51 | 0.64 | 0.67 | 0.77 | 0.54 |
| 675 | 73.68 | 91.40 | 91.40 | 46.45 | 12.73 | 0.44 | 0.44 | 20.33 | 0.43 | 0.44 | 0.45 | 0.64 | 0.45 |
| 1466 | 85.56 | 91.33 | 91.33 | 61.03 | 7.48 | 0.70 | 0.70 | 17.22 | 0.47 | 0.68 | 0.77 | 0.80 | 0.57 |
| 671 | 72.12 | 91.09 | 91.09 | 52.53 | 11.49 | 0.47 | 0.47 | 16.35 | 0.39 | 0.50 | 0.51 | 0.54 | 0.42 |
| 1467 | 79.84 | 91.35 | 91.35 | 62.91 | 11.79 | 0.85 | 0.85 | 18.56 | 0.60 | 1.26 | 1.43 | 0.89 | 0.65 |
| 672 | 83.26 | 91.14 | 91.14 | 50.23 | 7.53 | 0.42 | 0.42 | 17.08 | 0.34 | 0.46 | 0.48 | 0.53 | 0.42 |
| 674 | 74.99 | 91.29 | 91.29 | 57.70 | 11.15 | 0.37 | 0.37 | 16.01 | 0.43 | 0.42 | 0.43 | 0.57 | 0.48 |
| 673 | 69.40 | 91.14 | 91.14 | 48.92 | 10.49 | 0.71 | 0.71 | 14.61 | 0.34 | 0.82 | 0.86 | 0.47 | 0.35 |
| 1469 | 84.46 | 91.12 | 91.12 | 63.16 | 7.39 | 0.56 | 0.56 | 15.06 | 0.45 | 0.68 | 0.77 | 0.73 | 0.54 |
| 1470 | 89.39 | 91.39 | 91.39 | 57.87 | 5.02 | 0.90 | 0.90 | 20.90 | 0.45 | 0.71 | 1.07 | 0.72 | 0.62 |
| 679 | 74.56 | 91.12 | 91.12 | 46.81 | 13.10 | 0.82 | 0.82 | 21.38 | 0.43 | 0.87 | 0.92 | 0.63 | 0.48 |
| 1471 | 89.11 | 90.96 | 90.96 | 58.58 | 6.66 | 0.57 | 0.57 | 26.46 | 0.58 | 0.58 | 0.65 | 1.01 | 0.82 |
| 1472 | 87.00 | 91.00 | 91.00 | 63.35 | 7.76 | 0.76 | 0.76 | 20.01 | 0.56 | 0.71 | 0.80 | 0.93 | 0.72 |
| 685 | 73.63 | 91.38 | 91.38 | 56.88 | 11.89 | 0.44 | 0.44 | 16.61 | 0.44 | 0.47 | 0.48 | 0.58 | 0.48 |
| 684 | 81.66 | 91.29 | 91.29 | 52.53 | 8.05 | 0.42 | 0.42 | 16.18 | 0.36 | 0.48 | 0.50 | 0.56 | 0.42 |
| 1474 | 88.99 | 91.07 | 91.07 | 63.21 | 7.68 | 0.62 | 0.62 | 27.22 | 0.70 | 0.61 | 0.66 | 1.27 | 0.98 |
| 1477 | 79.08 | 91.05 | 91.05 | 63.52 | 9.84 | 0.43 | 0.43 | 14.85 | 0.50 | 0.49 | 0.50 | 0.72 | 0.54 |
| 688 | 57.05 | 91.46 | 91.46 | 36.76 | 10.60 | 0.62 | 0.62 | 13.39 | 0.29 | 0.60 | 0.61 | 0.44 | 0.24 |
| 690 | 69.14 | 90.77 | 90.77 | 50.23 | 10.66 | 0.35 | 0.35 | 14.53 | 0.35 | 0.43 | 0.44 | 0.47 | 0.36 |
| 691 | 85.73 | 91.26 | 91.26 | 60.74 | 11.68 | 0.58 | 0.58 | 27.47 | 0.70 | 0.72 | 0.76 | 1.11 | 0.90 |
| 692 | 69.81 | 91.25 | 91.25 | 47.61 | 12.15 | 0.83 | 0.83 | 17.34 | 0.39 | 0.96 | 1.02 | 0.55 | 0.40 |
| 696 | 78.37 | 91.42 | 91.42 | 52.50 | 9.94 | 0.85 | 0.85 | 17.23 | 0.39 | 1.02 | 1.19 | 0.56 | 0.44 |
| 1480 | 76.36 | 91.37 | 91.37 | 55.44 | 10.07 | 0.67 | 0.67 | 15.61 | 0.42 | 0.70 | 0.74 | 0.63 | 0.43 |
| 700 | 83.72 | 91.15 | 91.15 | 49.54 | 8.92 | 0.46 | 0.46 | 21.01 | 0.42 | 0.50 | 0.52 | 0.71 | 0.51 |
| 1481 | 81.72 | 91.37 | 91.37 | 61.73 | 8.62 | 0.48 | 0.48 | 15.17 | 0.44 | 0.55 | 0.58 | 0.66 | 0.51 |
| 697 | 89.36 | 91.32 | 91.32 | 65.82 | 7.15 | 0.75 | 0.75 | 26.10 | 0.70 | 0.77 | 0.90 | 1.18 | 1.02 |
| 1483 | 87.21 | 91.37 | 91.37 | 62.07 | 6.85 | 0.50 | 0.50 | 18.35 | 0.48 | 0.54 | 0.59 | 0.80 | 0.63 |
| 1482 | 70.79 | 91.14 | 91.14 | 46.57 | 10.71 | 0.69 | 0.69 | 15.83 | 0.35 | 0.74 | 0.78 | 0.51 | 0.36 |
| 699 | 59.60 | 91.00 | 91.00 | 41.72 | 10.79 | 0.46 | 0.46 | 13.50 | 0.30 | 0.56 | 0.57 | 0.41 | 0.27 |
| 1487 | 75.85 | 91.17 | 91.17 | 41.96 | 11.02 | 0.81 | 0.81 | 19.73 | 0.37 | 0.95 | 1.05 | 0.58 | 0.40 |
| 1488 | 81.16 | 91.28 | 91.28 | 61.94 | 10.41 | 0.34 | 0.34 | 17.75 | 0.55 | 0.41 | 0.42 | 0.87 | 0.60 |
| 704 | 90.44 | 90.94 | 90.94 | 59.08 | 3.96 | 0.49 | 0.49 | 27.52 | 0.54 | 0.53 | 0.64 | 1.07 | 0.86 |
| 922 | 83.64 | 91.23 | 91.23 | 38.53 | 11.93 | 0.44 | 0.44 | 31.43 | 0.52 | 0.52 | 0.54 | 0.98 | 0.60 |
| 706 | 75.48 | 91.11 | 91.11 | 45.65 | 10.86 | 0.86 | 0.86 | 18.48 | 0.37 | 0.98 | 1.09 | 0.56 | 0.41 |
| 711 | 78.52 | 91.17 | 91.17 | 53.64 | 9.17 | 0.45 | 0.45 | 15.77 | 0.37 | 0.47 | 0.49 | 0.57 | 0.42 |
| 1495 | 78.72 | 91.16 | 91.16 | 55.81 | 13.14 | 0.64 | 0.64 | 22.11 | 0.58 | 0.73 | 0.76 | 0.90 | 0.63 |
| 708 | 88.56 | 91.28 | 91.28 | 63.44 | 8.90 | 0.61 | 0.61 | 28.59 | 0.77 | 0.76 | 0.85 | 1.39 | 1.03 |
| 717 | 69.00 | 91.55 | 91.55 | 47.00 | 11.14 | 0.65 | 0.65 | 15.71 | 0.34 | 0.65 | 0.67 | 0.48 | 0.35 |
| 1498 | 76.12 | 91.16 | 91.16 | 59.62 | 11.25 | 0.37 | 0.37 | 16.27 | 0.50 | 0.44 | 0.45 | 0.72 | 0.52 |
| 718 | 84.32 | 91.06 | 91.06 | 65.50 | 13.42 | 0.83 | 0.83 | 25.90 | 0.79 | 0.97 | 1.04 | 1.15 | 1.01 |
| 723 | 71.35 | 91.43 | 91.43 | 53.65 | 11.28 | 0.46 | 0.46 | 15.51 | 0.41 | 0.46 | 0.47 | 0.56 | 0.41 |
| 1500 | 85.90 | 91.62 | 91.62 | 52.94 | 5.84 | 0.68 | 0.68 | 15.50 | 0.33 | 0.60 | 0.72 | 0.55 | 0.40 |
| 724 | 82.98 | 91.19 | 91.19 | 53.90 | 6.93 | 0.39 | 0.39 | 14.72 | 0.34 | 0.39 | 0.41 | 0.56 | 0.39 |
| 1499 | 90.12 | 91.22 | 91.22 | 67.87 | 6.87 | 0.45 | 0.45 | 31.25 | 0.86 | 0.54 | 0.57 | 2.02 | 1.34 |
| 726 | 70.07 | 91.45 | 91.45 | 51.67 | 10.80 | 0.48 | 0.48 | 14.77 | 0.37 | 0.49 | 0.50 | 0.51 | 0.37 |
| 725 | 76.64 | 91.34 | 91.34 | 48.52 | 8.43 | 0.56 | 0.56 | 14.41 | 0.30 | 0.61 | 0.65 | 0.45 | 0.34 |
| 1501 | 90.31 | 91.12 | 91.12 | 69.33 | 5.07 | 0.86 | 0.86 | 25.67 | 0.79 | 0.85 | 1.15 | 1.59 | 1.18 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 661 | 87.15 | 91.23 | 91.23 | 48.69 | 10.45 | 0.45 | 0.45 | 33.70 | 0.63 | 0.49 | 0.51 | 1.12 | 0.79 |
| 1464 | 88.05 | 91.07 | 91.07 | 40.80 | 6.46 | 0.54 | 0.54 | 25.84 | 0.41 | 0.57 | 0.71 | 0.75 | 0.51 |
| 668 | 67.90 | 91.50 | 91.50 | 39.50 | 12.29 | 0.57 | 0.57 | 18.30 | 0.36 | 0.62 | 0.64 | 0.56 | 0.35 |
| 1465 | 83.09 | 91.17 | 91.17 | 56.88 | 11.26 | 0.45 | 0.45 | 23.10 | 0.59 | 0.52 | 0.54 | 1.02 | 0.67 |
| 675 | 72.33 | 91.49 | 91.49 | 35.46 | 13.27 | 0.45 | 0.45 | 22.79 | 0.39 | 0.53 | 0.54 | 0.65 | 0.41 |
| 1466 | 86.12 | 91.12 | 91.12 | 56.12 | 7.66 | 0.55 | 0.55 | 20.08 | 0.48 | 0.49 | 0.52 | 0.91 | 0.57 |
| 671 | 71.45 | 91.15 | 91.15 | 41.19 | 12.56 | 0.46 | 0.46 | 19.97 | 0.37 | 0.55 | 0.56 | 0.53 | 0.40 |
| 1467 | 80.12 | 91.58 | 91.58 | 56.91 | 12.53 | 0.58 | 0.58 | 21.98 | 0.59 | 0.86 | 0.91 | 0.97 | 0.63 |
| 672 | 83.63 | 91.12 | 91.12 | 39.49 | 7.75 | 0.44 | 0.44 | 20.23 | 0.33 | 0.53 | 0.57 | 0.59 | 0.39 |
| 674 | 74.81 | 91.05 | 91.05 | 47.00 | 12.31 | 0.39 | 0.39 | 20.20 | 0.42 | 0.42 | 0.43 | 0.63 | 0.46 |
| 673 | 68.41 | 91.28 | 91.28 | 38.53 | 11.35 | 0.45 | 0.45 | 17.24 | 0.33 | 0.52 | 0.53 | 0.52 | 0.33 |
| 1469 | 87.10 | 91.11 | 91.11 | 58.92 | 7.92 | 0.51 | 0.51 | 22.14 | 0.53 | 0.58 | 0.63 | 0.86 | 0.69 |
| 1470 | 89.74 | 91.71 | 91.71 | 50.60 | 5.02 | 0.55 | 0.55 | 24.88 | 0.45 | 0.55 | 0.71 | 0.83 | 0.61 |
| 679 | 74.03 | 91.50 | 91.50 | 34.34 | 13.83 | 0.49 | 0.49 | 25.13 | 0.42 | 0.56 | 0.57 | 0.73 | 0.44 |
| 1471 | 89.53 | 91.18 | 91.18 | 48.08 | 6.73 | 0.40 | 0.40 | 33.83 | 0.57 | 0.39 | 0.41 | 1.08 | 0.78 |
| 1472 | 87.40 | 91.21 | 91.21 | 56.28 | 7.92 | 0.45 | 0.45 | 23.89 | 0.55 | 0.47 | 0.50 | 1.04 | 0.68 |
| 685 | 72.71 | 91.50 | 91.50 | 45.21 | 13.17 | 0.42 | 0.42 | 20.75 | 0.40 | 0.46 | 0.47 | 0.56 | 0.45 |
| 684 | 83.08 | 91.23 | 91.23 | 43.33 | 8.46 | 0.40 | 0.40 | 20.48 | 0.38 | 0.45 | 0.47 | 0.68 | 0.43 |
| 1474 | 89.47 | 91.11 | 91.11 | 53.65 | 7.80 | 0.45 | 0.45 | 36.00 | 0.69 | 0.46 | 0.48 | 1.33 | 0.96 |
| 1477 | 81.81 | 91.15 | 91.15 | 57.50 | 11.14 | 0.46 | 0.46 | 21.07 | 0.52 | 0.51 | 0.52 | 0.77 | 0.63 |
| 688 | 59.21 | 91.23 | 91.23 | 29.89 | 12.01 | 0.49 | 0.49 | 16.62 | 0.30 | 0.49 | 0.50 | 0.48 | 0.27 |
| 690 | 66.85 | 91.14 | 91.14 | 39.69 | 11.40 | 0.42 | 0.42 | 16.57 | 0.34 | 0.43 | 0.44 | 0.53 | 0.32 |
| 691 | 85.63 | 91.63 | 91.63 | 49.30 | 12.01 | 0.40 | 0.40 | 32.75 | 0.64 | 0.48 | 0.50 | 1.12 | 0.77 |
| 692 | 71.19 | 91.59 | 91.59 | 37.45 | 13.48 | 0.46 | 0.46 | 22.07 | 0.40 | 0.63 | 0.65 | 0.66 | 0.41 |
| 696 | 78.87 | 91.52 | 91.52 | 45.30 | 10.39 | 0.63 | 0.63 | 20.01 | 0.39 | 0.71 | 0.78 | 0.65 | 0.43 |
| 1480 | 78.55 | 91.25 | 91.25 | 49.13 | 11.00 | 0.54 | 0.54 | 20.04 | 0.44 | 0.56 | 0.58 | 0.72 | 0.48 |
| 700 | 83.60 | 91.04 | 91.04 | 39.06 | 9.11 | 0.43 | 0.43 | 23.82 | 0.39 | 0.53 | 0.56 | 0.70 | 0.46 |
| 1481 | 83.22 | 91.46 | 91.46 | 56.17 | 9.20 | 0.39 | 0.39 | 19.22 | 0.47 | 0.51 | 0.53 | 0.80 | 0.54 |
| 697 | 89.76 | 91.70 | 91.70 | 58.78 | 7.24 | 0.47 | 0.47 | 32.94 | 0.67 | 0.53 | 0.57 | 1.16 | 1.00 |
| 1483 | 87.85 | 91.28 | 91.28 | 54.47 | 7.02 | 0.44 | 0.44 | 23.08 | 0.49 | 0.48 | 0.51 | 0.87 | 0.63 |
| 1482 | 69.51 | 91.41 | 91.41 | 35.59 | 11.35 | 0.51 | 0.51 | 18.16 | 0.34 | 0.62 | 0.65 | 0.58 | 0.33 |
| 699 | 54.47 | 91.03 | 91.03 | 20.23 | 12.47 | 0.45 | 0.45 | 17.33 | 0.26 | 0.59 | 0.60 | 0.39 | 0.24 |
| 1487 | 76.42 | 91.51 | 91.51 | 31.56 | 11.51 | 0.44 | 0.44 | 23.08 | 0.36 | 0.69 | 0.73 | 0.65 | 0.38 |
| 1488 | 82.80 | 91.23 | 91.23 | 58.17 | 11.10 | 0.41 | 0.41 | 21.96 | 0.60 | 0.47 | 0.48 | 1.07 | 0.66 |
| 704 | 90.74 | 91.34 | 91.34 | 48.42 | 3.97 | 0.43 | 0.43 | 35.44 | 0.51 | 0.39 | 0.43 | 1.13 | 0.83 |
| 922 | 82.55 | 91.15 | 91.15 | 28.75 | 11.97 | 0.46 | 0.46 | 32.08 | 0.47 | 0.51 | 0.53 | 0.95 | 0.51 |
| 706 | 75.83 | 91.47 | 91.47 | 33.90 | 11.46 | 0.43 | 0.43 | 22.10 | 0.36 | 0.57 | 0.60 | 0.64 | 0.38 |
| 711 | 79.59 | 91.14 | 91.14 | 41.93 | 9.86 | 0.46 | 0.46 | 20.28 | 0.37 | 0.61 | 0.64 | 0.62 | 0.41 |
| 1495 | 78.03 | 91.31 | 91.31 | 47.56 | 13.64 | 0.40 | 0.40 | 24.80 | 0.55 | 0.45 | 0.46 | 0.99 | 0.57 |
| 708 | 88.94 | 91.53 | 91.53 | 52.86 | 9.07 | 0.40 | 0.40 | 36.79 | 0.72 | 0.50 | 0.53 | 1.37 | 0.95 |
| 717 | 67.13 | 91.64 | 91.64 | 35.07 | 11.93 | 0.42 | 0.42 | 18.20 | 0.33 | 0.48 | 0.49 | 0.53 | 0.32 |
| 1498 | 76.71 | 91.25 | 91.25 | 54.70 | 12.09 | 0.41 | 0.41 | 19.18 | 0.50 | 0.48 | 0.49 | 0.77 | 0.52 |
| 718 | 85.47 | 91.41 | 91.41 | 57.03 | 14.29 | 0.43 | 0.43 | 34.75 | 0.75 | 0.56 | 0.58 | 1.11 | 1.01 |
| 723 | 64.66 | 91.29 | 91.29 | 34.53 | 11.99 | 0.41 | 0.41 | 17.51 | 0.31 | 0.44 | 0.45 | 0.45 | 0.31 |
| 1500 | 86.28 | 91.62 | 91.62 | 44.54 | 5.94 | 0.41 | 0.41 | 18.11 | 0.32 | 0.43 | 0.47 | 0.57 | 0.38 |
| 724 | 85.29 | 91.14 | 91.14 | 45.98 | 7.32 | 0.38 | 0.38 | 20.20 | 0.37 | 0.46 | 0.49 | 0.65 | 0.45 |
| 1499 | 90.33 | 91.31 | 91.31 | 61.64 | 6.93 | 0.52 | 0.52 | 39.03 | 0.83 | 0.54 | 0.57 | 1.83 | 1.32 |
| 726 | 69.84 | 91.11 | 91.11 | 35.84 | 12.41 | 0.42 | 0.42 | 19.97 | 0.34 | 0.52 | 0.53 | 0.52 | 0.36 |
| 725 | 75.56 | 91.34 | 91.34 | 41.02 | 8.61 | 0.44 | 0.44 | 15.41 | 0.28 | 0.50 | 0.52 | 0.46 | 0.31 |
| 1501 | 90.77 | 91.39 | 91.39 | 62.59 | 5.09 | 0.55 | 0.55 | 37.72 | 0.73 | 0.54 | 0.61 | 1.55 | 1.31 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|---------|-----------|--------|--------|-----------------------|------|------|------------------------------|----------------------------|-------------------------------------|-----------------------------------|
| FK6 No. | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ [mas] | $\Delta\delta_{sys}$ [mas] | $\Delta\mu_{\alpha^*,sys}$ [mas/yr] | $\Delta\mu_{\delta,sys}$ [mas/yr] |
| | SI | STP | HIP | SI | STP | HIP | | | | |
| 661 | 8.85 | 8.80 | 8.79 | 0.65 | 0.65 | 0.65 | + 62.23 | - 3.99 | - 3.38 | + 0.13 |
| 1464 | 3.01 | 3.02 | 3.03 | 0.94 | 0.94 | 0.94 | - 8.38 | - 70.76 | + 3.34 | + 0.38 |
| 668 | 34.14 | 34.41 | 34.42 | 0.94 | 0.99 | 0.99 | - 33.97 | - 35.58 | + 1.58 | - 0.08 |
| 1465 | 13.05 | 13.04 | 13.04 | 0.68 | 0.68 | 0.68 | - 22.99 | - 31.53 | + 1.16 | + 0.40 |
| 675 | 31.18 | 31.13 | 31.13 | 0.47 | 0.47 | 0.47 | - 61.59 | - 64.94 | + 0.32 | + 0.55 |
| 1466 | 4.47 | 4.68 | 4.74 | 0.85 | 0.86 | 0.87 | - 21.03 | - 43.51 | + 2.69 | + 0.21 |
| 671 | 29.36 | 29.26 | 29.26 | 0.49 | 0.49 | 0.49 | - 79.14 | - 37.87 | + 1.09 | + 1.93 |
| 1467 | 22.01 | 22.22 | 22.30 | 0.93 | 0.98 | 0.99 | - 14.88 | - 51.82 | + 1.70 | + 0.54 |
| 672 | 5.02 | 4.90 | 4.87 | 0.53 | 0.54 | 0.54 | - 25.21 | - 4.61 | + 1.25 | + 0.90 |
| 674 | 24.12 | 24.12 | 24.12 | 0.52 | 0.52 | 0.52 | + 3.80 | - 21.55 | + 1.23 | + 0.55 |
| 673 | 21.46 | 21.36 | 21.35 | 0.79 | 0.79 | 0.79 | - 6.58 | - 59.46 | + 1.71 | + 0.65 |
| 1469 | 5.02 | 4.99 | 4.97 | 0.80 | 0.81 | 0.82 | - 27.91 | - 29.71 | + 1.39 | + 0.47 |
| 1470 | 1.86 | 1.70 | 1.76 | 1.01 | 1.04 | 1.09 | + 1.53 | - 68.71 | + 1.25 | + 1.10 |
| 679 | 33.66 | 33.92 | 33.94 | 0.87 | 0.87 | 0.87 | - 18.40 | - 64.77 | + 2.65 | - 0.25 |
| 1471 | 3.17 | 3.21 | 3.22 | 0.71 | 0.71 | 0.71 | + 4.03 | - 9.01 | + 0.81 | - 2.00 |
| 1472 | 4.85 | 4.87 | 4.87 | 0.82 | 0.83 | 0.83 | + 3.65 | - 66.46 | + 1.49 | + 0.88 |
| 685 | 42.56 | 42.56 | 42.56 | 0.45 | 0.45 | 0.45 | - 93.39 | - 30.82 | - 0.17 | + 1.35 |
| 684 | 5.96 | 6.03 | 6.04 | 0.48 | 0.48 | 0.48 | - 41.14 | + 2.06 | + 1.15 | + 1.28 |
| 1474 | 4.53 | 4.44 | 4.39 | 0.76 | 0.76 | 0.76 | + 4.56 | - 10.28 | - 2.85 | - 1.19 |
| 1477 | 13.67 | 13.71 | 13.71 | 0.55 | 0.56 | 0.56 | - 19.75 | - 6.55 | + 1.30 | + 0.87 |
| 688 | 52.80 | 52.81 | 52.81 | 0.74 | 0.75 | 0.75 | - 22.39 | - 30.36 | + 1.59 | + 0.19 |
| 690 | 25.49 | 25.40 | 25.40 | 0.64 | 0.65 | 0.65 | - 15.97 | - 33.21 | + 1.11 | + 0.41 |
| 691 | 13.01 | 13.07 | 13.08 | 0.69 | 0.71 | 0.71 | + 16.43 | - 7.83 | + 0.66 | - 2.22 |
| 692 | 42.27 | 42.20 | 42.20 | 0.89 | 0.90 | 0.90 | - 3.04 | - 65.40 | + 1.49 | + 0.60 |
| 696 | 11.20 | 11.20 | 11.19 | 0.92 | 0.92 | 0.92 | + 2.88 | - 64.09 | + 1.09 | + 0.85 |
| 1480 | 13.83 | 13.81 | 13.81 | 0.77 | 0.78 | 0.78 | - 23.11 | - 27.95 | + 1.59 | + 0.12 |
| 700 | 6.79 | 6.86 | 6.87 | 0.47 | 0.48 | 0.48 | - 48.61 | - 58.92 | - 1.28 | + 0.46 |
| 1481 | 7.86 | 7.88 | 7.88 | 0.66 | 0.67 | 0.67 | - 28.63 | - 29.31 | + 1.29 | + 0.46 |
| 697 | 3.75 | 3.76 | 3.76 | 0.86 | 0.86 | 0.87 | - 5.36 | - 20.28 | + 0.40 | - 2.04 |
| 1483 | 3.82 | 3.74 | 3.72 | 0.53 | 0.53 | 0.53 | - 66.67 | + 5.90 | + 1.30 | + 1.73 |
| 1482 | 18.09 | 18.70 | 18.72 | 0.75 | 0.80 | 0.81 | - 14.59 | - 49.45 | + 1.55 | + 0.51 |
| 699 | 128.89 | 128.93 | 128.93 | 0.54 | 0.55 | 0.55 | - 32.63 | - 3.13 | + 0.94 | + 1.01 |
| 1487 | 13.86 | 14.09 | 14.14 | 0.85 | 0.87 | 0.88 | - 5.77 | - 61.42 | + 1.41 | + 0.24 |
| 1488 | 12.92 | 12.96 | 12.96 | 0.54 | 0.54 | 0.54 | + 2.24 | - 29.16 | + 0.78 | + 0.52 |
| 704 | 1.78 | 1.78 | 1.80 | 0.67 | 0.67 | 0.67 | + 47.25 | + 4.82 | - 4.47 | - 0.38 |
| 922 | 12.94 | 13.05 | 13.06 | 0.54 | 0.54 | 0.54 | - 5.84 | - 34.82 | - 2.14 | - 1.17 |
| 706 | 14.32 | 14.52 | 14.54 | 0.88 | 0.88 | 0.88 | - 2.71 | - 60.14 | + 1.07 | + 0.30 |
| 711 | 9.35 | 9.33 | 9.33 | 0.52 | 0.52 | 0.52 | - 59.08 | + 6.52 | + 1.23 | + 1.42 |
| 1495 | 31.27 | 31.25 | 31.24 | 0.71 | 0.75 | 0.75 | + 0.20 | - 60.28 | + 0.43 | + 0.84 |
| 708 | 6.14 | 6.14 | 6.14 | 0.66 | 0.66 | 0.66 | - 9.68 | - 5.01 | - 1.07 | - 2.01 |
| 717 | 25.92 | 26.05 | 26.05 | 0.80 | 0.81 | 0.81 | - 25.85 | - 31.65 | + 1.94 | + 0.28 |
| 1498 | 24.55 | 24.50 | 24.50 | 0.58 | 0.58 | 0.58 | - 7.04 | - 22.20 | + 0.71 | + 0.62 |
| 718 | 25.12 | 25.14 | 25.15 | 0.83 | 0.83 | 0.83 | - 19.35 | - 35.17 | + 0.16 | - 1.75 |
| 723 | 32.50 | 32.54 | 32.54 | 0.46 | 0.46 | 0.46 | - 73.77 | - 27.45 | - 1.39 | + 0.99 |
| 1500 | 2.91 | 2.72 | 2.68 | 0.78 | 0.80 | 0.80 | - 20.33 | - 43.38 | + 1.80 | + 0.44 |
| 724 | 4.20 | 4.23 | 4.24 | 0.49 | 0.49 | 0.49 | - 47.67 | - 1.13 | + 0.79 | + 0.95 |
| 1499 | 3.42 | 3.40 | 3.38 | 0.69 | 0.69 | 0.69 | + 92.69 | - 11.42 | - 7.87 | + 0.08 |
| 726 | 26.51 | 26.48 | 26.48 | 0.49 | 0.49 | 0.49 | - 105.87 | - 17.29 | + 0.42 | + 1.96 |
| 725 | 7.98 | 7.75 | 7.72 | 0.66 | 0.68 | 0.68 | - 18.89 | - 35.36 | + 2.27 | + 0.19 |
| 1501 | 1.73 | 1.74 | 1.77 | 0.84 | 0.84 | 0.84 | - 17.12 | - 42.16 | + 0.34 | - 1.45 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|------------|---------------------------------------|-------------------------------------|--|--|-----------|----------|----------|--------------|----------|----------------------|
| FK6 No. | $\varepsilon_{\alpha^*,sys}$ [mas] | $\varepsilon_{\delta,sys}$ [mas] | $\varepsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\varepsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 661 | 12.43 | 10.56 | 0.37 | 0.23 | 1 | 1.63 | 2.21 | 0.97 | 2.64 | |
| 1464 | 8.92 | 6.37 | 0.25 | 0.17 | 1 | 0.81 | 1.96 | 0.97 | 1.19 | 410 |
| 668 | 7.45 | 6.56 | 0.24 | 0.17 | 1 | 1.66 | 1.42 | 1.84 | 0.79 | 411 |
| 1465 | 9.24 | 6.93 | 0.23 | 0.17 | 1 | 1.71 | 1.13 | 0.93 | 1.61 | |
| 675 | 15.11 | 12.09 | 0.45 | 0.25 | 1 | 1.49 | 0.52 | 1.81 | 1.67 | 412 |
| 1466 | 8.46 | 6.44 | 0.22 | 0.14 | 1 | 0.85 | 2.02 | 1.62 | 0.93 | 413 |
| 671 | 11.59 | 8.48 | 0.36 | 0.21 | 1 | 1.60 | 1.54 | 1.44 | 0.28 | 414 |
| 1467 | 8.22 | 6.39 | 0.23 | 0.15 | 1 | 1.93 | 1.90 | 0.58 | 4.02 | |
| 672 | 9.29 | 6.75 | 0.25 | 0.17 | 1 | 2.16 | 0.65 | 1.91 | 1.89 | |
| 674 | 9.00 | 6.84 | 0.24 | 0.17 | 1 | 1.78 | 1.79 | 0.95 | 3.00 | |
| 673 | 8.57 | 6.27 | 0.22 | 0.13 | 1 | 2.21 | 2.45 | 3.35 | 0.17 | |
| 1469 | 9.25 | 6.86 | 0.22 | 0.16 | 1 | 0.87 | 0.55 | 1.73 | 1.04 | |
| 1470 | 9.31 | 6.54 | 0.21 | 0.16 | 1 | 2.76 | 2.40 | 2.18 | 2.08 | 415 |
| 679 | 8.96 | 6.94 | 0.26 | 0.18 | | 3.69 | 8.34 | 7.34 | 3.44 | 416 |
| 1471 | 10.65 | 7.42 | 0.30 | 0.21 | 1 | 3.28 | 0.34 | 0.91 | 2.97 | |
| 1472 | 9.26 | 6.37 | 0.22 | 0.14 | 1 | 0.60 | 0.29 | 1.25 | 0.36 | |
| 685 | 12.13 | 10.27 | 0.36 | 0.23 | 1 | 4.64 | 1.60 | 2.43 | 3.44 | |
| 684 | 10.56 | 7.55 | 0.28 | 0.19 | 1 | 4.10 | 0.91 | 0.72 | 4.65 | 417 |
| 1474 | 11.26 | 8.38 | 0.35 | 0.21 | 1 | 1.77 | 0.99 | 1.21 | 0.87 | 418 |
| 1477 | 9.44 | 6.48 | 0.25 | 0.17 | 1 | 0.76 | 1.05 | 0.53 | 1.51 | |
| 688 | 7.69 | 6.35 | 0.25 | 0.17 | 1 | 1.29 | 1.14 | 0.72 | 2.22 | 419 |
| 690 | 9.32 | 6.83 | 0.25 | 0.18 | 1 | 1.12 | 1.37 | 3.04 | 1.87 | 420 |
| 691 | 10.86 | 6.96 | 0.29 | 0.20 | 1 | 1.18 | 2.05 | 1.34 | 2.42 | 421 |
| 692 | 8.85 | 6.44 | 0.26 | 0.18 | 1 | 0.71 | 0.87 | 0.85 | 0.22 | 422 |
| 696 | 9.24 | 6.24 | 0.24 | 0.15 | 1 | 0.96 | 1.17 | 0.42 | 0.72 | 423 |
| 1480 | 7.71 | 6.37 | 0.25 | 0.17 | 1 | 1.27 | 0.50 | 0.30 | 1.03 | 424 |
| 700 | 15.75 | 12.63 | 0.50 | 0.27 | 1 | 1.81 | 2.36 | 1.69 | 0.20 | 425 |
| 1481 | 9.47 | 6.64 | 0.24 | 0.16 | 1 | 1.02 | 2.97 | 1.61 | 3.17 | 426 |
| 697 | 10.71 | 7.59 | 0.30 | 0.20 | 1 | 1.31 | 1.21 | 1.62 | 2.24 | 427 |
| 1483 | 10.63 | 6.91 | 0.28 | 0.20 | 1 | 0.98 | 2.51 | 0.51 | 2.90 | |
| 1482 | 8.46 | 6.08 | 0.25 | 0.14 | 1 | 4.09 | 2.86 | 4.30 | 2.22 | |
| 699 | 9.48 | 6.90 | 0.29 | 0.18 | 1 | 3.36 | 1.88 | 3.85 | 5.25 | 428 |
| 1487 | 9.10 | 6.18 | 0.28 | 0.18 | 1 | 0.63 | 1.69 | 1.07 | 1.31 | 429 |
| 1488 | 9.27 | 6.23 | 0.27 | 0.18 | 1 | 2.02 | 1.62 | 0.60 | 1.02 | 430 |
| 704 | 11.92 | 9.98 | 0.40 | 0.23 | 1 | 0.34 | 0.50 | 0.58 | 0.26 | 431 |
| 922 | 21.25 | 17.71 | 0.73 | 0.46 | 1 | 2.29 | 2.11 | 0.25 | 0.87 | |
| 706 | 8.93 | 6.29 | 0.29 | 0.18 | 1 | 2.94 | 3.76 | 3.14 | 2.03 | 432 |
| 711 | 10.30 | 6.93 | 0.30 | 0.20 | 1 | 2.62 | 1.08 | 1.03 | 3.18 | 433 |
| 1495 | 8.94 | 6.23 | 0.26 | 0.16 | 1 | 1.53 | 0.45 | 0.78 | 1.94 | 434 |
| 708 | 10.40 | 7.57 | 0.33 | 0.21 | 1 | 0.22 | 2.45 | 0.70 | 2.12 | 435 |
| 717 | 8.09 | 6.04 | 0.26 | 0.17 | 1 | 0.72 | 2.63 | 1.53 | 2.50 | 436 |
| 1498 | 9.12 | 6.54 | 0.28 | 0.18 | 1 | 0.91 | 0.68 | 0.92 | 0.59 | 437 |
| 718 | 9.24 | 7.04 | 0.31 | 0.19 | 1 | 1.05 | 0.04 | 1.55 | 1.07 | |
| 723 | 11.48 | 9.84 | 0.44 | 0.25 | 1 | 1.67 | 1.54 | 2.22 | 1.93 | 438 |
| 1500 | 7.78 | 6.20 | 0.26 | 0.15 | 1 | 2.04 | 2.61 | 0.40 | 0.59 | 439 |
| 724 | 8.71 | 6.82 | 0.29 | 0.18 | 1 | 2.60 | 4.10 | 3.18 | 0.90 | 440 |
| 1499 | 14.08 | 12.00 | 0.53 | 0.26 | 1 | 1.83 | 1.44 | 4.76 | 1.82 | 441 |
| 726 | 10.11 | 8.12 | 0.34 | 0.22 | 1 | 2.33 | 1.35 | 1.74 | 1.34 | 442 |
| 725 | 8.33 | 6.31 | 0.25 | 0.15 | 1 | 0.92 | 1.92 | 1.91 | 1.42 | 443 |
| 1501 | 9.28 | 6.88 | 0.29 | 0.19 | 1 | 0.37 | 0.99 | 1.50 | 0.58 | 444 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------|------------|----------------------------|-----------------------------|-----------------------------|--|--------------------------------------|
| FK6 No. | HIP No. | Name | α (SI) 2000 h m s | δ (SI) 2000 ° ′ ″ | μ_{α^*} (SI) 2000 [mas/yr] | μ_{δ} (SI) 2000 [mas/yr] |
| 734 | 95167 | Grb 2900 Dra | 19 21 40.304 599 | + 79 36 10.157 13 | + 19.69 | - 29.76 |
| 728 | 95347 | α Sgr | 19 23 53.175 635 | - 40 36 57.379 63 | + 31.53 | - 120.30 |
| 1503 | 95447 | 31 Aql | 19 24 58.199 985 | + 11 56 39.894 09 | + 720.69 | + 643.39 |
| 1507 | 95520 | Pi 19 ^h 156 Dra | 19 25 46.765 538 | + 58 1 38.360 62 | - 1.38 | + 5.16 |
| 1506 | 95534 | Grb 2844 Cyg | 19 25 56.620 250 | + 44 55 50.696 84 | - 40.35 | - 80.05 |
| 731 | 95619 | 186 G. Sgr | 19 26 56.482 056 | - 29 44 35.611 79 | + 17.58 | - 49.43 |
| 1504 | 95690 | 59 G. Tel | 19 27 48.116 874 | - 54 19 30.984 23 | - 5.84 | + 9.79 |
| 1508 | 95771 | α Vul | 19 28 42.329 907 | + 24 39 53.660 48 | - 126.38 | - 106.61 |
| 733 | 95853 | ι Cyg | 19 29 42.358 314 | + 51 43 47.205 00 | + 20.14 | + 128.25 |
| 1509 | 95937 | 36 Aql | 19 30 39.836 617 | - 2 47 19.992 32 | + 21.64 | - 10.44 |
| 1510 | 96052 | 8 Cyg | 19 31 46.321 902 | + 34 27 10.685 87 | + 1.21 | - 3.61 |
| 735 | 96341 | ι Tel | 19 35 12.987 012 | - 48 5 57.120 31 | - 7.76 | - 36.79 |
| 737 | 96483 | κ Aql | 19 36 53.448 761 | - 7 1 38.922 36 | + 0.30 | - 3.21 |
| 1513 | 96837 | β Sge | 19 41 2.938 843 | + 17 28 33.759 90 | + 8.40 | - 32.53 |
| 740 | 97118 | 15 Cyg | 19 44 16.605 165 | + 37 21 15.681 30 | + 72.96 | + 35.48 |
| 1516 | 97260 | 228 G. Sgr | 19 46 1.218 605 | - 31 54 30.871 61 | + 4.04 | - 15.23 |
| 741 | 97278 | γ Aql | 19 46 15.579 299 | + 10 36 47.744 21 | + 15.42 | - 2.62 |
| 1517 | 97290 | 56 Sgr | 19 46 21.739 353 | - 19 45 40.005 74 | - 128.89 | - 89.64 |
| 739 | 97421 | ν Tel | 19 48 1.197 879 | - 56 21 45.396 05 | + 91.37 | - 136.77 |
| 746 | 97804 | η Aql | 19 52 28.368 826 | + 1 0 20.377 82 | + 8.58 | - 7.31 |
| 1519 | 97871 | 90 G. Aql | 19 53 18.735 570 | - 3 6 52.063 95 | + 21.26 | + 14.24 |
| 1518 | 97971 | 75 G. Pav | 19 54 40.441 800 | - 61 10 14.849 06 | - 7.62 | + 9.73 |
| 1520 | 98032 | ι Sgr | 19 55 15.693 865 | - 41 52 5.796 81 | + 18.89 | + 56.26 |
| 1667 | 98086 | 44 G. Oct | 19 56 1.696 306 | - 81 20 59.424 35 | + 19.52 | - 0.61 |
| 752 | 98337 | γ Sge | 19 58 45.427 893 | + 19 29 31.731 16 | + 65.05 | + 22.51 |
| 1647 | 98382 | Grb 3212 Dra | 19 59 20.059 114 | + 84 40 7.114 69 | - 2.71 | - 42.69 |
| 748 | 98495 | ε Pav | 20 0 35.553 156 | - 72 54 37.815 49 | + 80.51 | - 131.61 |
| 753 | 98688 | 62 Sgr | 20 2 39.481 018 | - 27 42 35.432 95 | + 32.97 | + 15.33 |
| 1524 | 98823 | τ Aql | 20 4 8.315 196 | + 7 16 40.671 27 | + 14.25 | + 12.34 |
| 755 | 99120 | ξ Tel | 20 7 23.155 601 | - 52 52 50.843 79 | - 13.48 | + 8.16 |
| 754 | 99240 | δ Pav | 20 8 43.608 910 | - 66 10 55.449 27 | + 1210.83 | - 1130.67 |
| 1525 | 99303 | 28 Cyg | 20 9 25.619 097 | + 36 50 22.638 90 | + 3.23 | + 13.12 |
| 758 | 99655 | 33 Cyg | 20 13 23.865 995 | + 56 34 3.796 13 | + 61.25 | + 81.83 |
| 1526 | 99742 | ρ Aql | 20 14 16.619 125 | + 15 11 51.396 02 | + 55.45 | + 58.55 |
| 760 | 99951 | 24 Vul | 20 16 47.086 301 | + 24 40 15.961 03 | + 15.11 | - 17.27 |
| 1529 | 100062 | 4 Cap | 20 18 1.396 968 | - 21 48 35.848 89 | + 34.60 | - 23.85 |
| 1528 | 100151 | 83 G. Tel | 20 18 55.978 920 | - 47 42 38.797 32 | + 14.60 | - 3.19 |
| 1530 | 100332 | 290 G. Sgr | 20 20 51.897 989 | - 35 40 25.228 73 | + 38.02 | + 19.88 |
| 1531 | 100541 | 132 G. Aql | 20 23 10.693 510 | + 5 20 34.741 46 | - 27.10 | - 38.50 |
| 1535 | 101067 | 42 Cyg | 20 29 20.390 252 | + 36 27 17.022 17 | + 2.32 | - 1.84 |
| 1534 | 101076 | 41 Cyg | 20 29 23.735 584 | + 30 22 6.799 14 | + 6.84 | - 0.53 |
| 1533 | 101101 | 69 Aql | 20 29 39.000 263 | - 2 53 7.906 52 | + 71.25 | - 21.96 |
| 1538 | 101134 | Grb 3241 Dra | 20 30 0.717 482 | + 72 31 54.138 64 | - 0.79 | - 23.56 |
| 768 | 101421 | ε Del | 20 33 12.771 070 | + 11 18 11.794 00 | + 10.45 | - 23.24 |
| 1537 | 101489 | 9 G. Del | 20 33 59.923 676 | + 4 53 55.188 62 | + 3.50 | - 9.03 |
| 773 | 101984 | ν Cap | 20 40 2.944 286 | - 18 8 19.170 22 | - 23.17 | - 21.44 |
| 1540 | 102014 | 13 G. Mic | 20 40 19.828 038 | - 33 25 54.632 71 | + 22.18 | + 36.18 |
| 777 | 102098 | α Cyg | 20 41 25.914 917 | + 45 16 49.213 05 | + 1.77 | + 1.11 |
| 1668 | 102205 | 48 G. Oct | 20 42 33.907 511 | - 84 24 25.599 12 | + 59.95 | - 25.05 |
| 915 | 102208 | 76 Dra | 20 42 35.234 969 | + 82 31 52.169 03 | + 30.11 | + 21.48 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|--|---|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | ε_{α^*} (SI) [mas] | $\varepsilon_{\mu,\alpha^*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 734 | 91.23 | 0.45 | 0.31 | 91.38 | 0.45 | 0.30 | 10.56 | 0.50 | H | - 3.1 | 6.06 | | 29 | 2 | |
| 728 | 91.32 | 0.99 | 0.56 | 91.78 | 0.58 | 0.40 | 19.20 | 0.99 | H | - 0.7 | 3.96 | | 38 | | |
| 1503 | 91.03 | 0.48 | 0.29 | 91.51 | 0.41 | 0.27 | 66.01 | 0.77 | H | -100.5 | 5.17 | | 18 | | |
| 1507 | 91.07 | 0.48 | 0.39 | 91.32 | 0.50 | 0.45 | 2.60 | 0.52 | H | - 22.0 | 6.60 | | 31 | | |
| 1506 | 91.17 | 0.49 | 0.34 | 91.04 | 0.45 | 0.37 | 6.77 | 0.55 | H | + 6.9 | 6.68 | | 21 | 2 | |
| 731 | 91.14 | 0.79 | 0.48 | 91.63 | 0.52 | 0.37 | 14.47 | 0.90 | H | + 1.4 | 5.66 | | 39 | | |
| 1504 | 91.24 | 0.55 | 0.57 | 91.51 | 0.46 | 0.46 | 5.63 | 0.71 | H | - 5.0 | 5.70 | | 15 | 1 | 3 |
| 1508 | 91.05 | 0.46 | 0.27 | 91.30 | 0.48 | 0.27 | 11.00 | 0.68 | H | - 85.5 | 4.44 | 1 | 19 | | 1 |
| 733 | 91.34 | 0.41 | 0.27 | 91.31 | 0.42 | 0.24 | 26.63 | 0.46 | H | - 19.5 | 3.76 | | 19 | | 1 |
| 1509 | 91.40 | 0.65 | 0.33 | 91.65 | 0.37 | 0.28 | 6.49 | 0.75 | H | - 11.1 | 5.03 | 1 | 39 | | |
| 1510 | 91.17 | 0.39 | 0.28 | 91.10 | 0.41 | 0.32 | 5.20 | 0.55 | H | - 21.8 | 4.74 | | 19 | | 1 |
| 735 | 91.39 | 0.71 | 0.59 | 91.50 | 0.49 | 0.54 | 8.19 | 0.85 | H | + 22.3 | 4.88 | | 11 | 1 | 3 |
| 737 | 91.30 | 0.73 | 0.28 | 91.77 | 0.38 | 0.23 | .93 | 0.11 | P | - 19.4 | 4.93 | 1 | 39 | | |
| 1513 | 91.41 | 0.41 | 0.27 | 91.47 | 0.37 | 0.27 | 6.99 | 0.67 | H | - 22.4 | 4.39 | | 21 | 2 | |
| 740 | 91.16 | 0.37 | 0.26 | 91.14 | 0.42 | 0.30 | 11.70 | 0.50 | H | - 24.4 | 4.89 | | 31 | | |
| 1516 | 91.47 | 0.99 | 0.54 | 91.41 | 0.40 | 0.40 | 5.98 | 1.00 | H | - 31.0 | 5.51 | | 21 | 2 | |
| 741 | 91.08 | 0.52 | 0.20 | 91.64 | 0.31 | 0.18 | 7.08 | 0.75 | H | - 2.1 | 2.72 | 1 | 39 | | |
| 1517 | 91.27 | 0.71 | 0.29 | 91.44 | 0.46 | 0.29 | 15.92 | 0.77 | H | + 19.8 | 4.87 | | 19 | | 1 |
| 739 | 91.31 | 0.53 | 0.51 | 91.37 | 0.36 | 0.44 | 19.19 | 0.67 | H | - 12.4 | 5.33 | | 19 | | 1 |
| 746 | 91.10 | 0.79 | 0.29 | 91.19 | 0.61 | 0.31 | 3.71 | 0.43 | C | - 14.8 | 3.87 | 3 | 13 | | |
| 1519 | 91.38 | 0.82 | 0.44 | 91.18 | 0.59 | 0.42 | 11.79 | 0.93 | H | - 20.4 | 5.63 | | 19 | | 1 |
| 1518 | 91.20 | 0.53 | 0.46 | 91.49 | 0.45 | 0.44 | 10.72 | 0.78 | H | + 11.0 | 6.21 | | 31 | | |
| 1520 | 91.24 | 0.82 | 0.60 | 91.34 | 0.42 | 0.53 | 17.24 | 0.85 | H | + 35.8 | 4.12 | | 21 | 2 | |
| 1667 | 91.24 | 0.45 | 0.37 | 91.27 | 0.43 | 0.34 | 4.70 | 0.56 | H | - 6.1 | 6.39 | | 21 | 2 | |
| 752 | 91.17 | 0.47 | 0.26 | 91.48 | 0.38 | 0.24 | 11.90 | 0.71 | H | - 32.8 | 3.51 | 1 | 11 | 1 | 3 |
| 1647 | 91.20 | 0.49 | 0.37 | 91.19 | 0.46 | 0.36 | 11.11 | 0.53 | H | | 6.80 | | 21 | 2 | |
| 748 | 91.30 | 0.36 | 0.34 | 91.39 | 0.41 | 0.36 | 30.73 | 0.55 | H | - 1.5 | 3.97 | | 19 | | 1 |
| 753 | 91.07 | 0.67 | 0.32 | 91.36 | 0.44 | 0.30 | 7.28 | 0.74 | H | + 9.9 | 4.43 | 2 | 33 | | |
| 1524 | 91.02 | 0.60 | 0.30 | 91.11 | 0.44 | 0.28 | 6.19 | 0.79 | H | - 28.0 | 5.51 | 1 | 11 | 1 | 3 |
| 755 | 91.49 | 0.55 | 0.53 | 91.32 | 0.41 | 0.46 | 3.30 | 0.80 | P | + 36.0 | 4.93 | 1 | 38 | | |
| 754 | 90.98 | 0.47 | 0.41 | 91.28 | 0.43 | 0.37 | 163.73 | 0.65 | H | - 21.3 | 3.55 | | 11 | 1 | 3 |
| 1525 | 91.26 | 0.36 | 0.28 | 91.27 | 0.41 | 0.31 | 3.79 | 0.53 | H | - 13.6 | 4.93 | 2 | 19 | | 1 |
| 758 | 91.10 | 0.45 | 0.29 | 91.43 | 0.38 | 0.25 | 21.41 | 0.45 | H | - 18.0 | 4.28 | | 38 | | |
| 1526 | 91.09 | 0.54 | 0.32 | 90.99 | 0.47 | 0.31 | 21.24 | 0.78 | H | - 23.0 | 4.94 | | 29 | 2 | |
| 760 | 91.03 | 0.38 | 0.27 | 91.20 | 0.42 | 0.29 | 6.91 | 0.64 | H | + 15.2 | 5.30 | | 39 | | |
| 1529 | 90.98 | 0.79 | 0.36 | 90.93 | 0.43 | 0.38 | 9.55 | 0.87 | H | - 18.3 | 5.86 | | 19 | | 1 |
| 1528 | 91.10 | 0.82 | 0.82 | 91.14 | 0.54 | 0.65 | 4.83 | 0.91 | H | - 43.7 | 6.28 | 1 | 39 | | |
| 1530 | 91.59 | 0.73 | 0.64 | 91.30 | 0.44 | 0.50 | 7.35 | 0.88 | H | - 14.7 | 6.46 | | 31 | | |
| 1531 | 91.06 | 0.64 | 0.43 | 90.82 | 0.46 | 0.44 | 13.23 | 0.80 | H | - 11.7 | 5.30 | | 31 | | |
| 1535 | 91.15 | 0.37 | 0.31 | 91.40 | 0.39 | 0.30 | 2.75 | 0.63 | P | - 18.0 | 5.90 | 1 | 15 | 1 | 3 |
| 1534 | 91.15 | 0.29 | 0.23 | 91.44 | 0.35 | 0.24 | 4.30 | 0.52 | H | - 18.4 | 4.01 | | 39 | | |
| 1533 | 90.85 | 0.65 | 0.34 | 90.63 | 0.41 | 0.35 | 17.08 | 0.94 | H | - 23.3 | 4.91 | | 19 | | 1 |
| 1538 | 91.32 | 0.51 | 0.37 | 91.22 | 0.43 | 0.31 | 4.78 | 0.51 | H | - 43.2 | 6.23 | | 29 | 2 | |
| 768 | 90.93 | 0.65 | 0.24 | 90.90 | 0.43 | 0.23 | 9.09 | 0.81 | H | - 19.3 | 4.03 | | 29 | 2 | |
| 1537 | 91.04 | 0.75 | 0.43 | 90.85 | 0.49 | 0.43 | 5.24 | 0.90 | H | - 26.4 | 6.42 | | 18 | | |
| 773 | 91.39 | 0.81 | 0.31 | 90.99 | 0.48 | 0.32 | 4.32 | 0.91 | H | - 12.5 | 5.15 | 1 | 13 | | |
| 1540 | 91.07 | 0.71 | 0.54 | 90.98 | 0.45 | 0.47 | 13.64 | 0.79 | H | + 14.2 | 5.47 | | 19 | | 1 |
| 777 | 91.38 | 0.51 | 0.23 | 91.47 | 0.41 | 0.19 | 1.90 | 0.40 | P | - 4.5 | 1.25 | 2 | 19 | | 1 |
| 1668 | 91.10 | 0.48 | 0.43 | 91.17 | 0.44 | 0.34 | 11.89 | 0.56 | H | - 15.3 | 6.94 | | 31 | | |
| 915 | 91.33 | 0.47 | 0.31 | 91.45 | 0.44 | 0.28 | 9.11 | 0.51 | H | - 20.0 | 5.75 | | 38 | | |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------------|--|---------|---------|----------|--------------------------------------|---------|---------|----------|
| FK6 No. | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 734 | - 29.41 | + 24.01 | + 26.82 | - 221.24 | - 26.96 | + 26.42 | + 29.51 | - 260.03 |
| 728 | - 12.32 | + 6.50 | + 9.76 | - 93.20 | - 3.27 | - 3.06 | - 4.10 | - 73.04 |
| 1503 | - 15.14 | + 5.56 | + 5.82 | - 45.97 | - 9.95 | + 2.04 | + 2.12 | - 40.32 |
| 1507 | - 0.66 | - 3.63 | - 5.51 | - 141.01 | + 0.84 | - 0.73 | - 1.36 | + 48.02 |
| 1506 | + 4.70 | - 14.41 | - 17.10 | - 14.66 | - 7.16 | + 11.75 | + 14.39 | - 42.33 |
| 731 | - 3.24 | - 0.29 | - 0.29 | - 33.40 | + 7.70 | + 0.82 | + 0.91 | + 148.34 |
| 1504 | + 2.23 | + 0.78 | + 1.22 | + 63.06 | - 3.34 | + 2.79 | + 3.98 | + 125.94 |
| 1508 | + 8.33 | - 0.59 | - 0.67 | + 34.87 | + 1.22 | - 2.95 | - 3.30 | + 5.38 |
| 733 | - 3.18 | + 6.46 | + 6.71 | - 4.85 | - 7.14 | - 1.05 | - 1.05 | - 36.38 |
| 1509 | - 5.95 | + 9.56 | + 12.12 | - 41.52 | + 3.66 | - 0.53 | - 0.68 | + 49.06 |
| 1510 | - 6.80 | - 1.22 | - 1.31 | - 72.28 | + 0.23 | + 0.26 | + 0.26 | + 6.35 |
| 735 | - 8.41 | + 4.37 | + 6.18 | - 91.58 | + 5.96 | - 4.22 | - 5.40 | + 9.27 |
| 737 | + 0.36 | + 3.10 | + 8.53 | + 30.63 | - 2.00 | + 2.64 | + 4.34 | - 39.60 |
| 1513 | + 8.24 | + 5.27 | + 5.79 | + 59.43 | + 4.03 | - 10.59 | - 11.71 | - 14.34 |
| 740 | + 9.04 | - 3.11 | - 3.38 | + 44.73 | - 8.63 | - 2.84 | - 3.01 | - 87.02 |
| 1516 | - 0.76 | - 10.70 | - 21.19 | - 21.61 | - 6.69 | + 10.50 | + 14.57 | + 26.91 |
| 741 | - 2.02 | + 2.29 | + 2.82 | - 14.29 | + 7.71 | - 3.61 | - 3.88 | + 58.08 |
| 1517 | - 0.72 | + 0.07 | - 0.01 | - 3.16 | + 2.06 | - 1.36 | - 1.45 | + 14.18 |
| 739 | - 3.51 | + 7.49 | + 8.88 | - 1.81 | + 7.93 | - 4.70 | - 5.38 | + 60.35 |
| 746 | + 1.50 | - 7.72 | - 14.40 | + 18.22 | + 1.60 | - 0.98 | + 0.08 | + 21.58 |
| 1519 | + 2.20 | + 2.55 | + 3.13 | + 20.13 | + 1.32 | - 4.55 | - 5.43 | - 0.77 |
| 1518 | + 15.51 | - 3.43 | - 4.29 | + 140.28 | + 9.04 | - 2.55 | - 3.04 | + 70.19 |
| 1520 | - 14.69 | + 30.23 | + 39.44 | - 64.60 | + 13.05 | - 33.72 | - 40.29 | - 123.74 |
| 1667 | - 5.83 | + 3.41 | + 4.46 | - 69.09 | + 0.59 | - 0.60 | - 0.86 | + 17.32 |
| 752 | + 3.39 | - 5.44 | - 5.97 | + 12.18 | + 9.25 | + 0.65 | + 0.75 | + 64.72 |
| 1647 | - 14.80 | + 4.07 | + 4.77 | - 153.82 | - 7.35 | + 2.13 | + 2.49 | - 105.03 |
| 748 | + 4.71 | + 0.27 | + 0.27 | + 48.82 | - 1.91 | + 2.15 | + 2.32 | + 15.76 |
| 753 | + 6.28 | - 4.52 | - 6.21 | + 70.49 | + 7.71 | - 7.10 | - 8.48 | + 94.26 |
| 1524 | - 4.20 | - 0.30 | - 0.13 | - 31.80 | - 5.13 | + 4.79 | + 5.59 | - 45.09 |
| 755 | - 1.47 | + 3.33 | + 6.21 | + 16.59 | + 7.62 | - 6.71 | - 11.00 | + 74.52 |
| 754 | + 2.69 | - 2.67 | - 2.94 | + 7.12 | - 2.97 | + 3.21 | + 3.47 | + 12.89 |
| 1525 | + 4.60 | - 0.55 | - 0.72 | + 47.36 | - 0.52 | - 1.13 | - 1.39 | - 24.03 |
| 758 | + 16.97 | - 3.26 | - 3.53 | + 66.14 | + 0.73 | + 3.50 | + 3.67 | + 14.89 |
| 1526 | + 20.15 | + 2.01 | + 2.01 | + 87.60 | - 20.15 | - 4.90 | - 5.08 | - 135.04 |
| 760 | + 4.72 | - 5.64 | - 6.28 | + 18.49 | - 7.49 | + 4.32 | + 4.93 | - 57.68 |
| 1529 | - 0.39 | + 5.03 | + 7.08 | - 3.96 | - 2.42 | - 6.60 | - 8.05 | - 65.69 |
| 1528 | - 4.12 | - 7.16 | - 20.31 | - 181.45 | - 0.56 | + 4.24 | + 10.52 | + 122.76 |
| 1530 | + 4.05 | - 8.92 | - 14.07 | - 57.40 | + 0.40 | - 3.38 | - 5.51 | - 41.96 |
| 1531 | - 6.57 | + 1.31 | + 2.06 | - 41.74 | - 1.91 | + 10.62 | + 12.63 | + 5.97 |
| 1535 | - 0.05 | + 1.76 | + 2.30 | + 56.36 | - 1.07 | + 1.71 | + 2.23 | + 43.48 |
| 1534 | - 1.84 | + 0.18 | + 0.27 | - 20.41 | + 1.61 | - 0.86 | - 0.94 | + 16.17 |
| 1533 | - 4.66 | + 4.79 | + 5.70 | - 22.42 | + 8.53 | - 3.60 | - 4.07 | + 61.91 |
| 1538 | - 6.23 | + 3.26 | + 4.28 | - 70.34 | + 8.03 | - 6.45 | - 7.67 | + 63.29 |
| 768 | + 9.27 | + 2.77 | + 1.50 | + 57.91 | + 9.92 | - 43.38 | - 47.91 | + 47.51 |
| 1537 | + 2.90 | + 7.17 | + 11.45 | + 52.97 | + 0.79 | + 1.17 | + 2.16 | + 17.74 |
| 773 | + 1.45 | + 2.35 | + 3.72 | + 35.04 | + 0.02 | - 1.44 | - 1.72 | - 7.88 |
| 1540 | + 1.13 | + 4.98 | + 6.14 | + 45.09 | + 4.75 | - 2.00 | - 2.27 | + 60.44 |
| 777 | + 0.60 | - 1.08 | - 1.85 | + 9.89 | - 0.33 | + 2.89 | + 3.74 | + 11.49 |
| 1668 | - 2.53 | + 2.68 | + 3.12 | + 3.55 | + 4.95 | - 3.08 | - 3.44 | + 37.73 |
| 915 | - 8.11 | + 4.93 | + 5.71 | - 97.96 | + 7.05 | + 1.52 | + 1.69 | + 128.84 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|---|--------|--------|--------|---------|---|--------|--------|--------|---------|
| FK6 | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| No. | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 734 | - 1.97 | + 2.74 | + 3.06 | - 4.86 | - 0.72 | - 1.69 | + 3.07 | + 3.43 | - 4.62 | - 0.52 |
| 728 | - 0.26 | + 0.76 | + 1.14 | - 1.61 | + 1.03 | + 0.23 | - 0.38 | - 0.51 | - 0.70 | + 1.06 |
| 1503 | - 0.46 | + 0.64 | + 0.67 | - 0.97 | + 0.07 | - 0.29 | + 0.27 | + 0.28 | - 0.69 | + 0.03 |
| 1507 | + 0.35 | - 0.41 | - 0.62 | - 2.26 | + 1.73 | + 0.04 | - 0.08 | - 0.15 | + 0.87 | - 0.37 |
| 1506 | + 0.95 | - 1.66 | - 1.97 | + 0.79 | + 1.46 | - 0.74 | + 1.34 | + 1.64 | - 1.42 | - 0.64 |
| 731 | - 0.04 | - 0.03 | - 0.03 | - 0.54 | + 0.32 | - 0.02 | + 0.10 | + 0.11 | + 1.82 | - 1.12 |
| 1504 | + 0.03 | + 0.09 | + 0.14 | + 1.21 | - 0.75 | - 0.72 | + 0.33 | + 0.47 | + 0.97 | - 2.32 |
| 1508 | + 0.16 | - 0.06 | - 0.07 | + 0.58 | - 0.27 | + 0.09 | - 0.34 | - 0.38 | + 0.15 | + 0.06 |
| 733 | - 0.37 | + 0.75 | + 0.78 | - 0.41 | - 0.38 | - 0.03 | - 0.13 | - 0.13 | - 0.38 | + 0.26 |
| 1509 | - 0.35 | + 1.12 | + 1.42 | - 0.97 | - 0.04 | + 0.09 | - 0.07 | - 0.09 | + 0.72 | - 0.25 |
| 1510 | - 0.01 | - 0.14 | - 0.15 | - 1.20 | + 0.83 | - 0.01 | + 0.03 | + 0.03 | + 0.08 | - 0.06 |
| 735 | - 0.67 | + 0.51 | + 0.72 | - 2.46 | + 0.02 | + 0.75 | - 0.50 | - 0.64 | + 1.01 | + 0.99 |
| 737 | - 0.04 | + 0.36 | + 0.99 | + 0.32 | - 0.34 | - 0.20 | + 0.32 | + 0.52 | - 0.76 | - 0.14 |
| 1513 | - 0.11 | + 0.60 | + 0.66 | + 0.66 | - 0.96 | + 0.74 | - 1.24 | - 1.37 | + 0.57 | + 1.01 |
| 740 | + 0.35 | - 0.35 | - 0.38 | + 0.91 | - 0.07 | + 0.01 | - 0.32 | - 0.34 | - 1.06 | + 0.68 |
| 1516 | + 0.06 | - 1.30 | - 2.55 | - 0.08 | + 0.58 | - 0.98 | + 1.23 | + 1.71 | - 0.80 | - 1.56 |
| 741 | - 0.03 | + 0.24 | + 0.30 | - 0.18 | + 0.08 | + 0.25 | - 0.43 | - 0.46 | + 0.77 | - 0.06 |
| 1517 | - 0.04 | + 0.01 | + 0.00 | - 0.07 | - 0.01 | + 0.12 | - 0.16 | - 0.17 | + 0.27 | + 0.05 |
| 739 | - 0.53 | + 0.87 | + 1.03 | - 0.59 | - 0.70 | + 0.69 | - 0.55 | - 0.63 | + 1.54 | + 0.43 |
| 746 | + 0.09 | - 0.88 | - 1.64 | + 0.40 | + 0.00 | + 0.10 | - 0.11 | + 0.01 | + 0.37 | - 0.03 |
| 1519 | - 0.02 | + 0.31 | + 0.38 | + 0.30 | - 0.28 | + 0.23 | - 0.52 | - 0.62 | + 0.24 | + 0.32 |
| 1518 | + 1.22 | - 0.40 | - 0.50 | + 3.71 | + 0.00 | + 0.90 | - 0.31 | - 0.37 | + 1.97 | + 0.61 |
| 1520 | - 1.51 | + 3.43 | + 4.48 | - 2.76 | - 1.22 | + 2.93 | - 3.90 | - 4.66 | + 1.66 | + 5.46 |
| 1667 | - 0.54 | + 0.39 | + 0.51 | - 1.59 | - 0.19 | + 0.04 | - 0.07 | - 0.10 | + 0.26 | - 0.02 |
| 752 | + 0.20 | - 0.62 | - 0.68 | + 0.34 | + 0.10 | + 0.17 | + 0.06 | + 0.07 | + 0.85 | - 0.30 |
| 1647 | - 0.48 | + 0.46 | + 0.54 | - 2.56 | + 0.74 | - 0.24 | + 0.24 | + 0.28 | - 1.58 | + 0.38 |
| 748 | - 0.13 | + 0.03 | + 0.03 | + 0.56 | - 0.82 | - 0.41 | + 0.25 | + 0.27 | - 0.21 | - 0.60 |
| 753 | + 0.10 | - 0.50 | - 0.69 | + 1.01 | - 0.45 | + 0.40 | - 0.82 | - 0.98 | + 1.51 | - 0.07 |
| 1524 | - 0.05 | - 0.03 | - 0.01 | - 0.49 | + 0.29 | - 0.26 | + 0.54 | + 0.63 | - 0.83 | + 0.04 |
| 755 | - 0.24 | + 0.41 | + 0.76 | - 0.13 | - 0.72 | + 0.89 | - 0.78 | - 1.28 | + 2.35 | + 1.06 |
| 754 | + 0.29 | - 0.30 | - 0.33 | + 0.39 | + 0.27 | - 0.56 | + 0.37 | + 0.40 | - 0.39 | - 0.76 |
| 1525 | + 0.14 | - 0.06 | - 0.08 | + 0.94 | - 0.42 | + 0.09 | - 0.13 | - 0.16 | - 0.23 | + 0.37 |
| 758 | + 0.41 | - 0.37 | - 0.40 | + 1.20 | - 0.40 | - 0.26 | + 0.41 | + 0.43 | - 0.09 | - 0.44 |
| 1526 | + 0.25 | + 0.24 | + 0.24 | + 1.26 | - 0.89 | - 0.06 | - 0.55 | - 0.57 | - 1.66 | + 1.16 |
| 760 | + 0.39 | - 0.63 | - 0.70 | + 0.65 | + 0.26 | - 0.37 | + 0.49 | + 0.56 | - 1.12 | + 0.08 |
| 1529 | - 0.06 | + 0.56 | + 0.79 | - 0.13 | - 0.06 | + 0.18 | - 0.73 | - 0.89 | - 0.61 | + 0.65 |
| 1528 | + 0.06 | - 0.81 | - 2.29 | - 3.52 | + 2.47 | - 0.32 | + 0.48 | + 1.19 | + 1.49 | - 1.95 |
| 1530 | + 0.90 | - 1.06 | - 1.67 | + 0.15 | + 2.47 | + 0.22 | - 0.38 | - 0.62 | - 0.32 | + 0.90 |
| 1531 | - 0.10 | + 0.13 | + 0.21 | - 0.85 | + 0.46 | - 0.53 | + 1.16 | + 1.38 | - 0.47 | - 0.81 |
| 1535 | - 0.27 | + 0.20 | + 0.26 | + 0.60 | - 1.00 | - 0.26 | + 0.20 | + 0.26 | + 0.30 | - 0.69 |
| 1534 | - 0.02 | + 0.02 | + 0.03 | - 0.32 | + 0.19 | + 0.12 | - 0.10 | - 0.11 | + 0.32 | + 0.03 |
| 1533 | - 0.15 | + 0.53 | + 0.63 | - 0.46 | + 0.06 | + 0.23 | - 0.38 | - 0.43 | + 1.01 | - 0.25 |
| 1538 | - 0.33 | + 0.38 | + 0.50 | - 1.38 | + 0.34 | + 0.77 | - 0.74 | - 0.88 | + 1.60 | + 0.49 |
| 768 | - 0.09 | + 0.43 | + 0.30 | + 0.56 | - 0.71 | + 1.06 | - 4.80 | - 5.30 | + 1.60 | + 0.99 |
| 1537 | - 0.09 | + 0.81 | + 1.29 | + 0.75 | - 0.70 | + 0.01 | + 0.13 | + 0.24 | + 0.28 | - 0.13 |
| 773 | - 0.01 | + 0.28 | + 0.44 | + 0.40 | - 0.24 | + 0.04 | - 0.16 | - 0.19 | - 0.04 | + 0.09 |
| 1540 | - 0.30 | + 0.56 | + 0.69 | + 0.28 | - 1.00 | + 0.29 | - 0.22 | - 0.25 | + 1.08 | - 0.12 |
| 777 | + 0.02 | - 0.12 | - 0.21 | + 0.14 | - 0.07 | - 0.09 | + 0.34 | + 0.44 | + 0.00 | - 0.19 |
| 1668 | - 0.39 | + 0.30 | + 0.35 | - 0.36 | - 0.56 | + 0.49 | - 0.35 | - 0.39 | + 0.97 | + 0.39 |
| 915 | - 0.29 | + 0.57 | + 0.66 | - 1.50 | + 0.22 | + 0.05 | + 0.18 | + 0.20 | + 1.45 | - 0.49 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------|------------|-------|-------|-------|--------------------------------|------|------|-------|--|------|------|------|---------|
| FK6 | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu, \alpha^*}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 734 | 81.50 | 91.25 | 91.25 | 48.11 | 10.45 | 0.45 | 0.45 | 21.97 | 0.45 | 0.46 | 0.47 | 0.77 | 0.51 |
| 728 | 83.60 | 91.40 | 91.40 | 61.31 | 12.65 | 1.00 | 1.00 | 24.98 | 0.65 | 1.23 | 1.41 | 0.94 | 0.83 |
| 1503 | 70.47 | 91.00 | 91.00 | 54.17 | 11.68 | 0.52 | 0.52 | 15.60 | 0.42 | 0.54 | 0.55 | 0.56 | 0.42 |
| 1507 | 88.53 | 91.08 | 91.08 | 60.83 | 5.91 | 0.48 | 0.48 | 19.88 | 0.52 | 0.49 | 0.54 | 1.09 | 0.66 |
| 1506 | 83.88 | 91.20 | 91.20 | 58.51 | 8.62 | 0.49 | 0.49 | 18.18 | 0.46 | 0.51 | 0.54 | 0.72 | 0.56 |
| 731 | 83.24 | 91.17 | 91.17 | 57.54 | 11.70 | 0.80 | 0.80 | 24.01 | 0.60 | 0.85 | 0.91 | 0.96 | 0.71 |
| 1504 | 88.72 | 91.25 | 91.25 | 64.61 | 8.56 | 0.55 | 0.55 | 27.74 | 0.76 | 0.71 | 0.78 | 1.37 | 1.04 |
| 1508 | 75.04 | 91.11 | 91.11 | 56.39 | 8.83 | 0.46 | 0.46 | 12.96 | 0.35 | 0.63 | 0.66 | 0.49 | 0.37 |
| 733 | 72.36 | 91.37 | 91.37 | 54.79 | 11.01 | 0.41 | 0.41 | 15.30 | 0.39 | 0.45 | 0.46 | 0.52 | 0.42 |
| 1509 | 82.32 | 91.46 | 91.46 | 55.40 | 8.33 | 0.65 | 0.65 | 16.66 | 0.40 | 0.67 | 0.73 | 0.63 | 0.46 |
| 1510 | 83.23 | 91.19 | 91.19 | 60.78 | 7.43 | 0.39 | 0.39 | 14.49 | 0.41 | 0.40 | 0.41 | 0.67 | 0.48 |
| 735 | 87.72 | 91.41 | 91.41 | 62.94 | 9.98 | 0.71 | 0.71 | 28.17 | 0.77 | 0.82 | 0.91 | 1.35 | 0.99 |
| 737 | 88.93 | 91.40 | 91.40 | 49.46 | 3.67 | 0.73 | 0.73 | 15.29 | 0.30 | 0.51 | 0.76 | 0.55 | 0.36 |
| 1513 | 80.59 | 91.43 | 91.43 | 58.34 | 8.16 | 0.41 | 0.41 | 14.33 | 0.36 | 0.46 | 0.48 | 0.52 | 0.43 |
| 740 | 77.11 | 91.18 | 91.18 | 53.72 | 9.76 | 0.37 | 0.37 | 15.91 | 0.39 | 0.39 | 0.40 | 0.58 | 0.42 |
| 1516 | 87.71 | 91.54 | 91.54 | 59.26 | 8.75 | 1.00 | 1.00 | 25.90 | 0.59 | 1.04 | 1.34 | 0.89 | 0.80 |
| 741 | 72.18 | 91.14 | 91.14 | 39.83 | 7.93 | 0.53 | 0.53 | 13.03 | 0.24 | 0.68 | 0.74 | 0.38 | 0.25 |
| 1517 | 74.51 | 91.32 | 91.32 | 42.72 | 11.20 | 0.71 | 0.71 | 19.06 | 0.37 | 0.66 | 0.69 | 0.59 | 0.39 |
| 739 | 83.70 | 91.32 | 91.32 | 58.98 | 12.82 | 0.53 | 0.53 | 26.48 | 0.69 | 0.77 | 0.81 | 1.13 | 0.82 |
| 746 | 83.02 | 91.22 | 91.22 | 54.04 | 6.53 | 0.79 | 0.79 | 13.88 | 0.32 | 0.84 | 1.13 | 0.52 | 0.37 |
| 1519 | 81.74 | 91.45 | 91.45 | 61.26 | 10.26 | 0.83 | 0.83 | 18.21 | 0.55 | 0.85 | 0.92 | 0.88 | 0.60 |
| 1518 | 87.34 | 91.19 | 91.19 | 62.29 | 11.12 | 0.54 | 0.54 | 30.28 | 0.80 | 0.53 | 0.55 | 1.35 | 1.05 |
| 1520 | 85.17 | 91.27 | 91.27 | 64.85 | 12.46 | 0.82 | 0.82 | 25.96 | 0.74 | 1.00 | 1.09 | 1.08 | 0.98 |
| 1667 | 88.08 | 91.25 | 91.25 | 51.80 | 7.91 | 0.45 | 0.45 | 27.90 | 0.55 | 0.47 | 0.49 | 0.97 | 0.71 |
| 752 | 74.72 | 91.17 | 91.17 | 53.19 | 9.37 | 0.48 | 0.48 | 14.21 | 0.34 | 0.57 | 0.59 | 0.48 | 0.37 |
| 1647 | 82.51 | 91.22 | 91.22 | 51.38 | 10.71 | 0.49 | 0.49 | 22.87 | 0.49 | 0.57 | 0.59 | 0.82 | 0.57 |
| 748 | 82.77 | 91.31 | 91.31 | 59.36 | 13.96 | 0.36 | 0.36 | 27.07 | 0.69 | 0.40 | 0.40 | 1.01 | 0.85 |
| 753 | 81.25 | 91.12 | 91.12 | 48.91 | 8.86 | 0.67 | 0.67 | 18.24 | 0.37 | 0.70 | 0.77 | 0.60 | 0.43 |
| 1524 | 80.43 | 91.09 | 91.09 | 56.08 | 7.83 | 0.60 | 0.60 | 14.12 | 0.35 | 0.67 | 0.74 | 0.54 | 0.40 |
| 755 | 89.51 | 91.51 | 91.51 | 61.20 | 6.75 | 0.55 | 0.55 | 27.48 | 0.65 | 0.68 | 0.78 | 1.18 | 0.91 |
| 754 | 80.65 | 90.99 | 90.99 | 58.46 | 14.82 | 0.47 | 0.47 | 26.07 | 0.67 | 0.54 | 0.55 | 0.98 | 0.80 |
| 1525 | 85.27 | 91.28 | 91.28 | 62.57 | 6.62 | 0.36 | 0.36 | 14.48 | 0.41 | 0.38 | 0.40 | 0.65 | 0.50 |
| 758 | 74.64 | 91.13 | 91.13 | 56.45 | 10.91 | 0.45 | 0.45 | 15.79 | 0.43 | 0.47 | 0.48 | 0.60 | 0.46 |
| 1526 | 75.28 | 91.14 | 91.14 | 55.38 | 11.21 | 0.55 | 0.55 | 16.81 | 0.43 | 0.60 | 0.62 | 0.60 | 0.47 |
| 760 | 80.24 | 91.06 | 91.06 | 58.38 | 8.06 | 0.38 | 0.38 | 13.93 | 0.37 | 0.46 | 0.48 | 0.55 | 0.43 |
| 1529 | 80.50 | 91.05 | 91.05 | 47.59 | 9.91 | 0.79 | 0.79 | 20.01 | 0.41 | 0.97 | 1.11 | 0.67 | 0.46 |
| 1528 | 89.27 | 91.11 | 91.11 | 66.00 | 8.07 | 0.82 | 0.82 | 29.29 | 0.90 | 1.16 | 1.62 | 1.73 | 1.17 |
| 1530 | 88.72 | 91.58 | 91.58 | 66.33 | 9.64 | 0.74 | 0.74 | 29.85 | 0.86 | 0.83 | 0.92 | 1.48 | 1.18 |
| 1531 | 80.64 | 91.09 | 91.09 | 64.68 | 10.05 | 0.65 | 0.65 | 15.92 | 0.56 | 0.80 | 0.86 | 0.88 | 0.60 |
| 1535 | 88.11 | 91.17 | 91.17 | 59.28 | 6.04 | 0.37 | 0.37 | 19.30 | 0.45 | 0.38 | 0.40 | 0.78 | 0.61 |
| 1534 | 83.56 | 91.16 | 91.16 | 57.04 | 6.96 | 0.29 | 0.29 | 14.67 | 0.35 | 0.30 | 0.31 | 0.56 | 0.43 |
| 1533 | 75.09 | 90.91 | 90.91 | 56.19 | 10.40 | 0.66 | 0.66 | 15.33 | 0.43 | 0.88 | 0.95 | 0.65 | 0.44 |
| 1538 | 86.39 | 91.34 | 91.34 | 57.47 | 7.70 | 0.51 | 0.51 | 20.27 | 0.46 | 0.56 | 0.60 | 0.73 | 0.60 |
| 768 | 73.10 | 91.00 | 91.00 | 48.35 | 8.48 | 0.66 | 0.66 | 13.05 | 0.29 | 0.77 | 0.84 | 0.42 | 0.31 |
| 1537 | 85.25 | 91.10 | 91.10 | 59.20 | 7.86 | 0.75 | 0.75 | 18.23 | 0.49 | 0.87 | 1.05 | 0.88 | 0.57 |
| 773 | 84.02 | 91.47 | 91.47 | 41.94 | 7.34 | 0.81 | 0.81 | 19.08 | 0.34 | 0.82 | 1.02 | 0.61 | 0.39 |
| 1540 | 85.91 | 91.09 | 91.09 | 57.83 | 12.03 | 0.71 | 0.71 | 30.16 | 0.69 | 0.85 | 0.91 | 1.04 | 0.91 |
| 777 | 86.03 | 91.43 | 91.43 | 49.40 | 4.97 | 0.51 | 0.51 | 13.99 | 0.26 | 0.52 | 0.62 | 0.39 | 0.33 |
| 1668 | 86.37 | 91.11 | 91.11 | 57.81 | 11.51 | 0.48 | 0.48 | 30.14 | 0.70 | 0.53 | 0.55 | 1.15 | 0.91 |
| 915 | 80.35 | 91.35 | 91.35 | 41.70 | 9.86 | 0.47 | 0.47 | 21.02 | 0.39 | 0.56 | 0.59 | 0.70 | 0.42 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 734 | 81.22 | 91.40 | 91.40 | 37.69 | 10.70 | 0.45 | 0.45 | 24.72 | 0.41 | 0.49 | 0.50 | 0.72 | 0.46 |
| 728 | 84.75 | 91.87 | 91.87 | 53.49 | 13.33 | 0.58 | 0.58 | 32.05 | 0.67 | 0.58 | 0.62 | 1.03 | 0.84 |
| 1503 | 69.49 | 91.48 | 91.48 | 43.77 | 12.96 | 0.45 | 0.45 | 19.15 | 0.39 | 0.46 | 0.47 | 0.58 | 0.40 |
| 1507 | 89.96 | 91.32 | 91.32 | 58.57 | 6.07 | 0.50 | 0.50 | 30.33 | 0.63 | 0.53 | 0.58 | 1.22 | 0.93 |
| 1506 | 85.10 | 91.07 | 91.07 | 53.60 | 8.96 | 0.46 | 0.46 | 22.20 | 0.48 | 0.56 | 0.59 | 0.81 | 0.59 |
| 731 | 84.16 | 91.64 | 91.64 | 46.43 | 12.28 | 0.53 | 0.53 | 30.86 | 0.57 | 0.48 | 0.49 | 0.97 | 0.68 |
| 1504 | 89.39 | 91.51 | 91.51 | 55.68 | 8.75 | 0.46 | 0.46 | 37.92 | 0.76 | 0.52 | 0.55 | 1.38 | 1.06 |
| 1508 | 75.77 | 91.35 | 91.35 | 46.70 | 9.75 | 0.49 | 0.49 | 16.54 | 0.34 | 0.63 | 0.66 | 0.52 | 0.37 |
| 733 | 67.49 | 91.34 | 91.34 | 39.60 | 11.66 | 0.42 | 0.42 | 17.19 | 0.33 | 0.45 | 0.46 | 0.50 | 0.33 |
| 1509 | 83.09 | 91.67 | 91.67 | 47.17 | 8.66 | 0.37 | 0.37 | 20.10 | 0.39 | 0.40 | 0.41 | 0.67 | 0.45 |
| 1510 | 84.94 | 91.12 | 91.12 | 50.39 | 7.96 | 0.41 | 0.41 | 20.28 | 0.42 | 0.48 | 0.50 | 0.73 | 0.50 |
| 735 | 88.31 | 91.50 | 91.50 | 52.83 | 10.24 | 0.49 | 0.49 | 36.79 | 0.75 | 0.70 | 0.76 | 1.40 | 0.95 |
| 737 | 89.26 | 91.78 | 91.78 | 37.56 | 3.65 | 0.39 | 0.39 | 18.38 | 0.28 | 0.32 | 0.36 | 0.57 | 0.34 |
| 1513 | 81.47 | 91.49 | 91.49 | 47.61 | 8.75 | 0.38 | 0.38 | 18.46 | 0.37 | 0.42 | 0.43 | 0.60 | 0.42 |
| 740 | 78.33 | 91.16 | 91.16 | 46.54 | 10.43 | 0.42 | 0.42 | 19.41 | 0.40 | 0.50 | 0.51 | 0.66 | 0.44 |
| 1516 | 87.66 | 91.45 | 91.45 | 46.90 | 8.86 | 0.40 | 0.40 | 31.03 | 0.54 | 0.55 | 0.60 | 0.93 | 0.70 |
| 741 | 73.71 | 91.60 | 91.60 | 29.24 | 8.46 | 0.32 | 0.32 | 15.90 | 0.23 | 0.31 | 0.32 | 0.38 | 0.25 |
| 1517 | 77.28 | 91.43 | 91.43 | 37.67 | 11.89 | 0.46 | 0.46 | 23.28 | 0.40 | 0.49 | 0.51 | 0.68 | 0.43 |
| 739 | 84.40 | 91.38 | 91.38 | 49.14 | 13.40 | 0.36 | 0.36 | 33.19 | 0.68 | 0.57 | 0.59 | 1.24 | 0.79 |
| 746 | 85.48 | 91.23 | 91.23 | 45.78 | 6.89 | 0.61 | 0.61 | 19.35 | 0.35 | 0.63 | 0.74 | 0.60 | 0.43 |
| 1519 | 82.83 | 91.21 | 91.21 | 53.75 | 10.93 | 0.59 | 0.59 | 23.07 | 0.54 | 0.69 | 0.73 | 0.94 | 0.62 |
| 1518 | 87.64 | 91.48 | 91.48 | 52.18 | 11.38 | 0.45 | 0.45 | 37.38 | 0.76 | 0.52 | 0.54 | 1.37 | 0.95 |
| 1520 | 86.16 | 91.35 | 91.35 | 54.95 | 13.15 | 0.42 | 0.42 | 35.09 | 0.71 | 0.75 | 0.79 | 1.05 | 0.96 |
| 1667 | 87.48 | 91.29 | 91.29 | 37.46 | 7.96 | 0.43 | 0.43 | 30.05 | 0.47 | 0.45 | 0.47 | 0.96 | 0.56 |
| 752 | 74.80 | 91.41 | 91.41 | 41.49 | 10.18 | 0.39 | 0.39 | 17.71 | 0.33 | 0.41 | 0.42 | 0.53 | 0.35 |
| 1647 | 82.77 | 91.21 | 91.21 | 44.67 | 10.96 | 0.46 | 0.46 | 25.69 | 0.48 | 0.54 | 0.56 | 0.86 | 0.55 |
| 748 | 82.34 | 91.40 | 91.40 | 45.83 | 14.61 | 0.41 | 0.41 | 32.97 | 0.61 | 0.46 | 0.47 | 0.98 | 0.72 |
| 753 | 82.57 | 91.36 | 91.36 | 40.04 | 9.22 | 0.45 | 0.45 | 22.38 | 0.38 | 0.52 | 0.55 | 0.67 | 0.44 |
| 1524 | 81.52 | 91.15 | 91.15 | 47.93 | 8.27 | 0.45 | 0.45 | 17.47 | 0.35 | 0.50 | 0.53 | 0.57 | 0.40 |
| 755 | 89.59 | 91.34 | 91.34 | 49.39 | 6.82 | 0.42 | 0.42 | 34.04 | 0.61 | 0.56 | 0.62 | 1.22 | 0.81 |
| 754 | 81.73 | 91.30 | 91.30 | 48.33 | 15.88 | 0.43 | 0.43 | 33.71 | 0.67 | 0.46 | 0.47 | 1.06 | 0.78 |
| 1525 | 86.62 | 91.29 | 91.29 | 54.82 | 6.95 | 0.41 | 0.41 | 19.49 | 0.41 | 0.43 | 0.45 | 0.66 | 0.53 |
| 758 | 74.26 | 91.44 | 91.44 | 46.56 | 11.87 | 0.38 | 0.38 | 19.25 | 0.39 | 0.38 | 0.38 | 0.58 | 0.43 |
| 1526 | 75.20 | 91.02 | 91.02 | 48.47 | 11.90 | 0.47 | 0.47 | 19.44 | 0.43 | 0.54 | 0.55 | 0.66 | 0.46 |
| 760 | 81.73 | 91.23 | 91.23 | 51.34 | 8.62 | 0.42 | 0.42 | 17.65 | 0.38 | 0.50 | 0.52 | 0.60 | 0.44 |
| 1529 | 83.07 | 90.94 | 90.94 | 43.11 | 10.38 | 0.43 | 0.43 | 25.24 | 0.46 | 0.72 | 0.77 | 0.82 | 0.53 |
| 1528 | 89.87 | 91.15 | 91.15 | 59.33 | 8.19 | 0.54 | 0.54 | 39.81 | 0.87 | 0.79 | 0.95 | 1.73 | 1.25 |
| 1530 | 89.09 | 91.28 | 91.28 | 59.16 | 9.81 | 0.44 | 0.44 | 37.82 | 0.83 | 0.58 | 0.62 | 1.46 | 1.18 |
| 1531 | 82.20 | 90.84 | 90.84 | 60.27 | 10.91 | 0.46 | 0.46 | 20.23 | 0.59 | 0.73 | 0.77 | 0.97 | 0.66 |
| 1535 | 88.38 | 91.41 | 91.41 | 50.06 | 6.13 | 0.39 | 0.39 | 23.15 | 0.44 | 0.38 | 0.40 | 0.81 | 0.56 |
| 1534 | 84.80 | 91.43 | 91.43 | 44.89 | 7.33 | 0.35 | 0.35 | 19.64 | 0.36 | 0.33 | 0.34 | 0.62 | 0.42 |
| 1533 | 77.26 | 90.66 | 90.66 | 49.05 | 11.57 | 0.42 | 0.42 | 20.12 | 0.44 | 0.72 | 0.76 | 0.71 | 0.48 |
| 1538 | 86.71 | 91.23 | 91.23 | 46.69 | 7.88 | 0.43 | 0.43 | 24.71 | 0.43 | 0.42 | 0.44 | 0.72 | 0.55 |
| 768 | 73.24 | 90.91 | 90.91 | 37.68 | 9.09 | 0.44 | 0.44 | 15.69 | 0.28 | 0.53 | 0.56 | 0.46 | 0.29 |
| 1537 | 86.07 | 90.88 | 90.88 | 53.51 | 8.09 | 0.49 | 0.49 | 21.98 | 0.51 | 0.72 | 0.82 | 0.99 | 0.59 |
| 773 | 85.18 | 91.02 | 91.02 | 33.40 | 7.51 | 0.48 | 0.48 | 23.27 | 0.36 | 0.65 | 0.74 | 0.73 | 0.40 |
| 1540 | 85.69 | 90.99 | 90.99 | 48.70 | 12.22 | 0.45 | 0.45 | 33.87 | 0.64 | 0.68 | 0.71 | 1.08 | 0.80 |
| 777 | 85.37 | 91.50 | 91.50 | 29.45 | 5.04 | 0.41 | 0.41 | 16.30 | 0.22 | 0.37 | 0.41 | 0.37 | 0.26 |
| 1668 | 84.45 | 91.18 | 91.18 | 40.77 | 11.58 | 0.44 | 0.44 | 31.54 | 0.55 | 0.43 | 0.44 | 1.08 | 0.63 |
| 915 | 78.90 | 91.48 | 91.48 | 31.48 | 9.94 | 0.44 | 0.44 | 21.87 | 0.34 | 0.53 | 0.55 | 0.67 | 0.36 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|------------|-----------|--------|--------|-----------------------|------|------|---------------------------------|-------------------------------|--|--------------------------------------|
| FK6 No. | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ [mas] | $\Delta\delta_{sys}$ [mas] | $\Delta\mu_{\alpha^*,sys}$ [mas/yr] | $\Delta\mu_{\delta,sys}$ [mas/yr] |
| | SI | STP | HIP | SI | STP | HIP | | | | |
| 734 | 11.20 | 10.63 | 10.56 | 0.50 | 0.50 | 0.50 | - 54.58 | - 36.33 | - 1.75 | + 0.38 |
| 728 | 19.38 | 19.25 | 19.20 | 0.98 | 0.99 | 0.99 | - 6.38 | - 21.07 | + 0.25 | - 2.10 |
| 1503 | 66.01 | 66.01 | 66.01 | 0.77 | 0.77 | 0.77 | - 18.57 | - 33.89 | + 2.15 | + 0.20 |
| 1507 | 2.64 | 2.62 | 2.60 | 0.52 | 0.52 | 0.52 | - 73.32 | - 28.08 | + 0.07 | + 1.57 |
| 1506 | 6.48 | 6.73 | 6.77 | 0.54 | 0.55 | 0.55 | - 76.53 | + 11.11 | + 1.33 | + 1.47 |
| 731 | 14.51 | 14.47 | 14.47 | 0.87 | 0.90 | 0.90 | - 8.07 | - 51.76 | + 1.32 | - 0.49 |
| 1504 | 5.68 | 5.65 | 5.63 | 0.71 | 0.71 | 0.71 | - 7.89 | - 2.53 | - 1.76 | - 1.96 |
| 1508 | 11.04 | 11.00 | 11.00 | 0.68 | 0.68 | 0.68 | - 12.44 | - 29.14 | + 0.39 | + 0.46 |
| 733 | 26.71 | 26.63 | 26.63 | 0.46 | 0.46 | 0.46 | - 113.05 | - 6.28 | + 0.62 | + 1.93 |
| 1509 | 6.28 | 6.45 | 6.49 | 0.74 | 0.75 | 0.75 | - 29.04 | - 22.81 | + 2.10 | + 0.12 |
| 1510 | 5.21 | 5.20 | 5.20 | 0.55 | 0.55 | 0.55 | - 37.94 | - 4.22 | + 0.98 | + 0.83 |
| 735 | 8.08 | 8.16 | 8.19 | 0.85 | 0.85 | 0.85 | + 20.93 | + 3.61 | + 0.80 | - 2.62 |
| 737 | 1.96 | 2.10 | 2.24 | 0.80 | 0.80 | 0.81 | - 27.10 | - 36.76 | + 2.06 | + 0.37 |
| 1513 | 7.21 | 7.01 | 6.99 | 0.67 | 0.67 | 0.67 | - 33.86 | - 23.78 | + 0.67 | + 0.36 |
| 740 | 11.71 | 11.70 | 11.70 | 0.50 | 0.50 | 0.50 | - 49.89 | + 1.19 | + 0.77 | + 0.88 |
| 1516 | 6.17 | 6.07 | 5.98 | 1.00 | 1.00 | 1.00 | - 11.65 | - 46.22 | + 1.26 | - 0.97 |
| 741 | 7.17 | 7.08 | 7.08 | 0.74 | 0.75 | 0.75 | - 18.04 | - 34.82 | + 2.30 | + 0.05 |
| 1517 | 15.91 | 15.92 | 15.92 | 0.76 | 0.77 | 0.77 | - 5.37 | - 52.34 | + 0.07 | + 0.67 |
| 739 | 19.28 | 19.20 | 19.19 | 0.67 | 0.67 | 0.67 | - 1.53 | + 0.20 | - 2.87 | - 1.67 |
| 746 | 2.80 | 2.79 | 2.78 | 0.91 | 0.91 | 0.91 | - 32.71 | - 21.30 | + 1.82 | - 0.16 |
| 1519 | 11.65 | 11.77 | 11.79 | 0.92 | 0.93 | 0.93 | - 30.08 | - 21.35 | + 2.10 | + 0.12 |
| 1518 | 10.74 | 10.73 | 10.72 | 0.78 | 0.78 | 0.78 | + 29.93 | + 9.35 | - 4.05 | - 0.80 |
| 1520 | 17.75 | 17.31 | 17.24 | 0.84 | 0.85 | 0.85 | + 0.72 | - 12.06 | + 0.63 | - 2.32 |
| 1667 | 4.71 | 4.70 | 4.70 | 0.56 | 0.56 | 0.56 | + 109.62 | - 5.02 | - 8.84 | - 0.75 |
| 752 | 12.02 | 11.91 | 11.90 | 0.70 | 0.71 | 0.71 | - 28.88 | - 23.08 | + 0.36 | + 0.34 |
| 1647 | 11.15 | 11.12 | 11.11 | 0.53 | 0.53 | 0.53 | + 21.30 | + 6.32 | - 1.02 | + 0.87 |
| 748 | 30.76 | 30.73 | 30.73 | 0.55 | 0.55 | 0.55 | + 49.46 | - 16.22 | - 6.66 | - 0.08 |
| 753 | 7.13 | 7.27 | 7.28 | 0.73 | 0.74 | 0.74 | - 6.50 | - 49.17 | + 1.88 | - 0.24 |
| 1524 | 6.33 | 6.20 | 6.19 | 0.77 | 0.79 | 0.79 | - 28.49 | - 35.55 | + 2.31 | - 0.21 |
| 755 | 2.87 | 2.72 | 2.60 | 0.71 | 0.72 | 0.72 | - 23.44 | + 1.22 | - 0.33 | - 2.41 |
| 754 | 163.76 | 163.73 | 163.73 | 0.65 | 0.65 | 0.65 | + 15.08 | + 3.58 | - 3.78 | - 0.34 |
| 1525 | 3.80 | 3.79 | 3.79 | 0.53 | 0.53 | 0.53 | - 38.46 | + 4.14 | + 0.75 | + 0.81 |
| 758 | 21.30 | 21.40 | 21.41 | 0.44 | 0.45 | 0.45 | - 50.92 | - 14.90 | + 0.19 | + 1.46 |
| 1526 | 21.11 | 21.24 | 21.24 | 0.77 | 0.78 | 0.78 | - 12.06 | - 21.61 | + 0.76 | + 0.21 |
| 760 | 6.83 | 6.90 | 6.91 | 0.64 | 0.64 | 0.64 | + 2.14 | - 23.08 | + 0.05 | + 0.39 |
| 1529 | 9.26 | 9.47 | 9.55 | 0.81 | 0.86 | 0.87 | - 6.20 | - 48.70 | + 0.76 | + 0.46 |
| 1528 | 4.55 | 4.66 | 4.83 | 0.90 | 0.90 | 0.91 | + 9.00 | + 6.24 | + 1.23 | - 2.80 |
| 1530 | 7.06 | 7.24 | 7.35 | 0.87 | 0.88 | 0.88 | - 20.98 | - 35.31 | + 1.07 | - 1.66 |
| 1531 | 13.28 | 13.23 | 13.23 | 0.78 | 0.80 | 0.80 | - 27.59 | - 30.73 | + 1.81 | - 0.33 |
| 1535 | 1.92 | 1.93 | 1.93 | 0.52 | 0.52 | 0.52 | - 22.43 | + 6.91 | + 0.70 | + 0.74 |
| 1534 | 4.32 | 4.30 | 4.30 | 0.52 | 0.52 | 0.52 | + 2.01 | - 6.18 | + 0.47 | + 0.61 |
| 1533 | 16.80 | 17.04 | 17.08 | 0.90 | 0.93 | 0.94 | - 23.61 | - 17.92 | + 1.72 | + 0.05 |
| 1538 | 4.89 | 4.80 | 4.78 | 0.51 | 0.51 | 0.51 | + 27.34 | - 25.09 | - 0.35 | + 0.26 |
| 768 | 8.62 | 9.06 | 9.09 | 0.81 | 0.81 | 0.81 | + 5.17 | - 28.47 | + 1.64 | - 0.06 |
| 1537 | 5.21 | 5.23 | 5.24 | 0.90 | 0.90 | 0.90 | - 23.46 | - 28.65 | + 1.58 | - 0.35 |
| 773 | 4.20 | 4.29 | 4.32 | 0.89 | 0.90 | 0.91 | - 9.25 | - 46.19 | + 1.10 | + 0.48 |
| 1540 | 13.49 | 13.61 | 13.64 | 0.77 | 0.79 | 0.79 | - 18.92 | - 38.91 | + 1.70 | - 1.36 |
| 777 | 0.88 | 0.99 | 1.01 | 0.55 | 0.57 | 0.57 | - 35.47 | + 25.25 | + 0.94 | + 1.19 |
| 1668 | 11.88 | 11.89 | 11.89 | 0.56 | 0.56 | 0.56 | + 49.54 | - 21.58 | - 6.64 | - 1.72 |
| 915 | 9.11 | 9.11 | 9.11 | 0.51 | 0.51 | 0.51 | + 34.26 | + 8.35 | - 0.05 | + 0.47 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|------------|---------------------------------------|-------------------------------------|--|--|-----------|----------|----------|--------------|----------|----------------------|
| FK6 No. | $\varepsilon_{\alpha^*,sys}$ [mas] | $\varepsilon_{\delta,sys}$ [mas] | $\varepsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\varepsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 734 | 17.29 | 14.01 | 0.59 | 0.33 | | 12.31 | 7.57 | 11.68 | 6.59 | 445 |
| 728 | 9.55 | 8.11 | 0.32 | 0.20 | 1 | 1.73 | 1.56 | 1.06 | 2.49 | 446 |
| 1503 | 8.22 | 6.47 | 0.25 | 0.15 | 1 | 2.48 | 1.00 | 0.50 | 1.72 | 447 |
| 1507 | 11.18 | 8.64 | 0.37 | 0.22 | 1 | 1.57 | 2.77 | 1.22 | 3.24 | |
| 1506 | 10.09 | 7.15 | 0.30 | 0.20 | 1 | 4.25 | 5.05 | 4.62 | 1.07 | |
| 731 | 8.97 | 7.20 | 0.30 | 0.19 | 1 | 1.62 | 1.49 | 0.33 | 2.59 | 448 |
| 1504 | 9.95 | 8.20 | 0.34 | 0.22 | 1 | 0.75 | 2.41 | 1.26 | 2.21 | 449 |
| 1508 | 8.53 | 6.94 | 0.29 | 0.19 | 1 | 1.11 | 0.60 | 1.24 | 1.38 | 450 |
| 733 | 10.33 | 8.08 | 0.32 | 0.23 | 1 | 1.75 | 1.99 | 0.78 | 1.07 | 451 |
| 1509 | 7.13 | 6.56 | 0.26 | 0.17 | 1 | 2.67 | 1.71 | 0.51 | 1.69 | 452 |
| 1510 | 8.75 | 7.08 | 0.27 | 0.18 | 1 | 1.34 | 1.57 | 0.14 | 2.48 | 453 |
| 735 | 9.97 | 7.54 | 0.29 | 0.21 | 1 | 2.30 | 1.52 | 0.79 | 1.48 | |
| 737 | 7.36 | 6.72 | 0.26 | 0.16 | 1 | 1.99 | 1.99 | 2.62 | 1.37 | 454 |
| 1513 | 8.33 | 7.20 | 0.25 | 0.18 | 1 | 2.63 | 4.64 | 2.06 | 2.45 | |
| 740 | 8.92 | 7.23 | 0.28 | 0.19 | 1 | 2.04 | 1.60 | 1.63 | 2.60 | |
| 1516 | 8.79 | 7.93 | 0.29 | 0.20 | 1 | 2.56 | 3.81 | 3.81 | 0.86 | |
| 741 | 7.58 | 6.90 | 0.25 | 0.15 | 1 | 2.49 | 0.99 | 2.71 | 1.91 | 455 |
| 1517 | 8.54 | 7.31 | 0.28 | 0.18 | 1 | 0.55 | 0.35 | 0.75 | 0.28 | 456 |
| 739 | 10.45 | 8.82 | 0.35 | 0.22 | 1 | 1.95 | 1.82 | 1.68 | 0.76 | 457 |
| 746 | 6.88 | 7.07 | 0.26 | 0.17 | 1 | 1.83 | 1.43 | 2.12 | 0.83 | 458 |
| 1519 | 7.10 | 6.89 | 0.26 | 0.17 | 1 | 0.73 | 1.13 | 1.25 | 0.56 | 459 |
| 1518 | 11.76 | 10.03 | 0.37 | 0.24 | 1 | 3.33 | 1.01 | 1.63 | 2.32 | |
| 1520 | 10.03 | 8.60 | 0.31 | 0.21 | | 6.71 | 8.98 | 6.66 | 2.87 | |
| 1667 | 17.53 | 14.41 | 0.60 | 0.37 | 1 | 1.96 | 0.81 | 3.53 | 1.19 | |
| 752 | 8.55 | 7.44 | 0.27 | 0.19 | 1 | 1.94 | 1.19 | 1.96 | 1.86 | |
| 1647 | 18.29 | 15.97 | 0.69 | 0.46 | 1 | 3.57 | 0.28 | 0.49 | 3.82 | |
| 748 | 13.73 | 11.19 | 0.44 | 0.26 | 1 | 0.65 | 1.40 | 1.12 | 1.09 | 460 |
| 753 | 8.86 | 7.52 | 0.29 | 0.19 | 1 | 3.13 | 1.30 | 0.76 | 2.79 | 461 |
| 1524 | 7.42 | 7.00 | 0.25 | 0.16 | 1 | 1.92 | 0.98 | 2.42 | 1.70 | |
| 755 | 9.95 | 8.34 | 0.31 | 0.23 | 1 | 2.71 | 2.55 | 2.80 | 0.96 | 462 |
| 754 | 11.67 | 10.61 | 0.40 | 0.27 | 1 | 0.89 | 1.38 | 0.83 | 0.30 | |
| 1525 | 8.97 | 7.40 | 0.27 | 0.20 | 1 | 1.34 | 0.91 | 1.51 | 1.79 | 463 |
| 758 | 10.46 | 9.02 | 0.35 | 0.22 | 1 | 2.17 | 1.52 | 3.19 | 2.18 | 464 |
| 1526 | 8.40 | 7.33 | 0.25 | 0.18 | 1 | 1.68 | 2.73 | 1.13 | 4.49 | 465 |
| 760 | 8.33 | 7.45 | 0.27 | 0.20 | 1 | 2.92 | 1.73 | 1.95 | 1.70 | 466 |
| 1529 | 8.52 | 7.70 | 0.28 | 0.20 | 1 | 0.74 | 1.76 | 0.87 | 1.29 | 467 |
| 1528 | 9.75 | 7.73 | 0.27 | 0.21 | 1 | 0.52 | 2.78 | 1.19 | 3.29 | 468 |
| 1530 | 9.19 | 7.58 | 0.27 | 0.20 | 1 | 1.05 | 2.88 | 0.94 | 1.38 | |
| 1531 | 7.63 | 6.69 | 0.25 | 0.17 | 1 | 1.66 | 2.21 | 3.30 | 1.27 | |
| 1535 | 8.98 | 7.22 | 0.26 | 0.20 | 1 | 0.39 | 2.25 | 1.15 | 1.91 | 469 |
| 1534 | 8.68 | 7.80 | 0.27 | 0.20 | 1 | 0.79 | 0.42 | 2.86 | 0.82 | 470 |
| 1533 | 7.09 | 6.63 | 0.25 | 0.17 | 1 | 1.75 | 0.60 | 1.38 | 1.61 | 471 |
| 1538 | 13.36 | 11.23 | 0.42 | 0.27 | 1 | 3.57 | 1.96 | 3.27 | 2.19 | 472 |
| 768 | 8.01 | 6.79 | 0.25 | 0.17 | | 9.66 | 10.65 | 10.94 | 2.68 | 473 |
| 1537 | 7.48 | 6.46 | 0.25 | 0.17 | 1 | 0.40 | 1.67 | 0.69 | 1.43 | 474 |
| 773 | 8.26 | 6.95 | 0.24 | 0.19 | 1 | 0.15 | 0.77 | 0.99 | 0.90 | 475 |
| 1540 | 8.71 | 7.63 | 0.26 | 0.21 | 1 | 1.09 | 1.34 | 1.47 | 1.28 | 476 |
| 777 | 10.27 | 7.23 | 0.27 | 0.21 | 1 | 0.89 | 1.29 | 2.30 | 0.58 | 477 |
| 1668 | 17.57 | 14.04 | 0.59 | 0.43 | 1 | 1.28 | 1.30 | 2.70 | 0.48 | |
| 915 | 17.27 | 13.92 | 0.58 | 0.43 | 1 | 2.83 | 1.16 | 1.39 | 3.30 | 478 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------|------------|-------------------------------|-----------------------------|---------------------------------|--|--------------------------------------|
| FK6 No. | HIP No. | Name | α (SI) 2000 h m s | δ (SI) 2000 ° / ' / " | μ_{α^*} (SI) 2000 [mas/yr] | μ_{δ} (SI) 2000 [mas/yr] |
| 776 | 102333 | η Ind | 20 44 2.334 127 | - 51 55 15.495 01 | + 155.89 | - 53.61 |
| 775 | 102395 | β Pav | 20 44 57.494 223 | - 66 12 11.566 32 | - 42.50 | + 10.45 |
| 779 | 102485 | ψ Cap | 20 46 5.732 488 | - 25 16 15.233 72 | - 52.14 | - 156.94 |
| 1544 | 102499 | Grb 3285 Cyg | 20 46 21.204 648 | + 52 59 43.075 90 | - 81.66 | - 103.89 |
| 781 | 102618 | ε Aqr | 20 47 40.551 852 | - 9 29 44.794 05 | + 32.56 | - 35.47 |
| 1543 | 102624 | 3 Aqr | 20 47 44.238 172 | - 5 1 39.719 89 | + 0.41 | - 39.87 |
| 1545 | 102770 | -1°4057 Aqr | 20 49 17.237 994 | - 0 33 48.011 56 | - 26.46 | - 25.30 |
| 1546 | 102978 | ω Cap | 20 51 49.290 536 | - 26 55 8.865 81 | - 8.66 | - 1.27 |
| 786 | 103200 | 32 Vul | 20 54 33.637 263 | + 28 3 27.451 06 | + 0.06 | - 2.57 |
| 1548 | 103460 | 64 G. Cap | 20 57 40.645 077 | - 16 1 53.542 66 | + 51.84 | + 1.62 |
| 1549 | 103511 | 33 Vul | 20 58 16.351 189 | + 22 19 33.268 83 | - 2.56 | - 3.93 |
| 789 | 103682 | 11 Aqr | 21 0 33.841 343 | - 4 43 48.935 80 | + 49.75 | - 138.20 |
| 790 | 103882 | ζ Mic | 21 2 57.953 856 | - 38 37 53.200 90 | - 27.80 | - 107.77 |
| 795 | 104105 | Br 2777 Cep | 21 5 29.264 863 | + 78 7 35.013 44 | + 19.10 | + 28.97 |
| 1552 | 104139 | ϑ Cap | 21 5 56.829 074 | - 17 13 58.299 94 | + 81.32 | - 61.73 |
| 1553 | 104189 | -0°4161 Aqr | 21 6 33.420 591 | - 0 6 18.054 63 | + 11.74 | + 2.45 |
| 923 | 104382 | σ Oct | 21 8 46.847 558 | - 88 57 23.395 07 | + 26.02 | + 5.17 |
| 794 | 104459 | ν Aqr | 21 9 35.648 384 | - 11 22 18.092 38 | + 93.40 | - 15.46 |
| 1554 | 104755 | θ Pav | 21 13 20.510 720 | - 70 7 34.563 71 | + 42.12 | - 20.75 |
| 1557 | 105133 | 24 G. Ind | 21 17 52.542 953 | - 48 43 5.750 46 | - 20.12 | - 86.13 |
| 801 | 105140 | ε Mic | 21 17 56.284 946 | - 32 10 21.152 00 | + 55.66 | - 23.40 |
| 803 | 105199 | α Cep | 21 18 34.772 960 | + 62 35 8.068 43 | + 151.06 | + 49.07 |
| 1561 | 105515 | ι Cap | 21 22 14.796 246 | - 16 50 4.351 95 | + 30.88 | + 5.35 |
| 1563 | 105841 | γ Ind | 21 26 15.440 723 | - 54 39 37.652 15 | + 2.47 | + 38.94 |
| 805 | 105858 | γ Pav | 21 26 26.605 598 | - 65 21 58.312 48 | + 81.08 | + 800.86 |
| 1564 | 106021 | 2 G. Peg | 21 28 24.838 705 | + 8 11 44.341 16 | + 8.46 | - 25.05 |
| 807 | 106093 | 71 Cyg | 21 29 26.949 950 | + 46 32 26.102 51 | + 43.44 | + 103.78 |
| 1567 | 106429 | 3 G. Gru | 21 33 23.517 329 | - 44 50 55.325 51 | - 19.00 | - 2.85 |
| 1568 | 106481 | ϱ Cyg | 21 33 58.852 982 | + 45 35 30.613 12 | - 23.86 | - 94.08 |
| 1570 | 106787 | 5 Peg | 21 37 45.430 309 | + 19 19 6.993 48 | + 100.25 | + 14.24 |
| 817 | 107119 | 11 Cep | 21 41 55.290 694 | + 71 18 41.117 22 | + 117.87 | + 96.51 |
| 815 | 107315 | ε Peg | 21 44 11.157 424 | + 9 52 30.035 11 | + 28.89 | + 0.76 |
| 1572 | 107418 | ν Cep | 21 45 26.925 364 | + 61 7 14.900 02 | - 3.24 | - 2.00 |
| 1571 | 107445 | +35°4626 Cyg | 21 45 44.513 229 | + 35 51 26.318 51 | + 92.01 | + 11.02 |
| 818 | 107517 | λ Cap | 21 46 32.097 477 | - 11 21 57.439 61 | + 29.05 | - 9.63 |
| 1574 | 107575 | 11 Peg | 21 47 13.962 755 | + 2 41 10.047 24 | + 7.48 | - 2.76 |
| 1573 | 107649 | 13 G. Gru | 21 48 15.751 402 | - 47 18 13.012 16 | + 165.61 | - 294.83 |
| 1576 | 107877 | 127 G. Cap | 21 51 24.606 686 | - 23 16 14.236 54 | + 341.08 | - 85.28 |
| 823 | 108022 | 16 Peg | 21 53 3.769 329 | + 25 55 30.489 19 | + 10.38 | - 1.21 |
| 1577 | 108036 | μ Cap | 21 53 17.770 733 | - 13 33 6.371 61 | + 311.49 | + 12.94 |
| 1579 | 108296 | π 21 ^h 339 Peg | 21 56 23.985 039 | + 21 14 23.498 54 | + 2.65 | + 15.59 |
| 1580 | 108506 | 98 G. Aqr | 21 58 54.985 604 | - 4 22 23.191 71 | - 0.69 | - 252.78 |
| 825 | 108870 | ε Ind | 22 3 21.658 220 | - 56 47 9.506 10 | + 3962.44 | - 2537.39 |
| 830 | 109005 | 20 Cep | 22 5 0.498 174 | + 62 47 8.416 20 | + 14.46 | + 58.32 |
| 827 | 109074 | α Aqr | 22 5 47.036 217 | - 0 19 11.457 84 | + 18.74 | - 9.40 |
| 1581 | 109111 | λ Gru | 22 6 6.885 102 | - 39 32 36.065 04 | - 24.50 | - 124.44 |
| 828 | 109139 | ι Aqr | 22 6 26.230 115 | - 13 52 10.842 38 | + 41.24 | - 56.91 |
| 837 | 109400 | 24 Cep | 22 9 48.430 974 | + 72 20 28.340 18 | + 33.28 | + 2.56 |
| 835 | 109410 | π Peg | 22 9 59.243 224 | + 33 10 41.593 97 | - 13.52 | - 19.32 |
| 836 | 109492 | ζ Cep | 22 10 51.277 332 | + 58 12 4.543 02 | + 13.92 | + 4.96 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|---------------------------------------|--|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | $\varepsilon_{\alpha*}$ (SI) [mas] | $\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 776 | 91.40 | 0.71 | 0.56 | 91.74 | 0.46 | 0.39 | 41.38 | 0.82 | H | - 1.6 | 4.51 | | 31 | | |
| 775 | 91.01 | 0.35 | 0.35 | 91.09 | 0.36 | 0.35 | 23.71 | 0.63 | H | + 9.8 | 3.42 | | 11 | 1 | 3 |
| 779 | 91.28 | 0.71 | 0.36 | 91.15 | 0.42 | 0.37 | 68.16 | 0.91 | H | + 25.8 | 4.13 | | 19 | | 1 |
| 1544 | 91.13 | 0.48 | 0.36 | 91.19 | 0.48 | 0.37 | 7.52 | 0.55 | H | - 28.6 | 6.34 | | 11 | 1 | 3 |
| 781 | 90.85 | 0.75 | 0.25 | 90.78 | 0.35 | 0.24 | 14.21 | 0.90 | H | - 16.0 | 3.78 | | 19 | | 1 |
| 1543 | 91.08 | 0.72 | 0.40 | 90.88 | 0.37 | 0.34 | 7.33 | 0.99 | H | - 22.0 | 4.43 | 2 | 23 | 2 | |
| 1545 | 91.26 | 0.73 | 0.41 | 90.83 | 0.39 | 0.41 | 2.70 | 0.60 | P | + 9.9 | 6.24 | 2 | 13 | | |
| 1546 | 91.14 | 0.74 | 0.43 | 90.92 | 0.43 | 0.42 | 5.19 | 0.95 | H | + 9.0 | 4.12 | 1 | 19 | | 1 |
| 786 | 91.13 | 0.41 | 0.23 | 91.19 | 0.44 | 0.23 | 4.41 | 0.67 | H | + 8.1 | 5.03 | | 29 | 2 | |
| 1548 | 91.30 | 0.74 | 0.40 | 91.14 | 0.51 | 0.40 | 17.58 | 0.85 | H | - 0.5 | 5.89 | | 19 | | 1 |
| 1549 | 91.08 | 0.49 | 0.31 | 90.82 | 0.38 | 0.29 | 8.21 | 0.69 | H | - 27.8 | 5.30 | | 11 | 1 | 3 |
| 789 | 91.03 | 0.83 | 0.36 | 91.69 | 0.47 | 0.28 | 37.80 | 1.01 | H | - 17.6 | 6.21 | | 19 | | 1 |
| 790 | 91.25 | 0.70 | 0.50 | 91.41 | 0.47 | 0.36 | 28.32 | 0.86 | H | + 4.6 | 5.32 | | 29 | 2 | |
| 795 | 91.13 | 0.41 | 0.28 | 91.39 | 0.39 | 0.26 | 7.91 | 0.44 | H | - 16.0 | 5.91 | | 18 | | |
| 1552 | 91.06 | 0.79 | 0.26 | 90.93 | 0.47 | 0.27 | 20.61 | 0.92 | H | - 10.9 | 4.08 | | 19 | | 1 |
| 1553 | 91.16 | 0.84 | 0.45 | 90.71 | 0.40 | 0.36 | 4.01 | 0.89 | H | - 37.0 | 6.92 | 1 | 18 | | |
| 923 | 91.09 | 0.40 | 0.35 | 91.20 | 0.41 | 0.31 | 12.07 | 0.48 | H | + 11.9 | 5.45 | 1 | 11 | 1 | 3 |
| 794 | 91.07 | 0.69 | 0.26 | 91.48 | 0.37 | 0.21 | 19.93 | 0.77 | H | - 11.8 | 4.50 | | 11 | 1 | 3 |
| 1554 | 91.20 | 0.41 | 0.40 | 91.16 | 0.41 | 0.39 | 3.67 | 0.62 | H | - 19.0 | 5.06 | 2 | 28 | 2 | |
| 1557 | 91.17 | 0.66 | 0.57 | 91.39 | 0.57 | 0.42 | 7.55 | 0.93 | H | + 11.0 | 6.54 | | 31 | | |
| 801 | 91.00 | 0.76 | 0.50 | 91.70 | 0.51 | 0.36 | 19.76 | 0.88 | H | - 1.0 | 4.71 | | 29 | 2 | |
| 803 | 91.18 | 0.44 | 0.25 | 91.30 | 0.42 | 0.21 | 66.84 | 0.49 | H | - 11.5 | 2.45 | | 39 | | |
| 1561 | 91.38 | 0.73 | 0.29 | 91.16 | 0.45 | 0.27 | 15.13 | 0.80 | H | + 11.5 | 4.28 | 1 | 37 | | |
| 1563 | 91.15 | 0.63 | 0.53 | 91.31 | 0.47 | 0.37 | 15.68 | 0.77 | H | + 6.8 | 6.10 | | 11 | 1 | 3 |
| 805 | 91.34 | 0.33 | 0.31 | 91.23 | 0.36 | 0.32 | 108.50 | 0.59 | H | - 29.4 | 4.21 | | 19 | | 1 |
| 1564 | 91.23 | 0.83 | 0.43 | 91.34 | 0.60 | 0.38 | 2.60 | 0.60 | P | - 5.6 | 6.39 | 2 | 23 | 2 | |
| 807 | 91.03 | 0.43 | 0.30 | 91.19 | 0.39 | 0.27 | 14.58 | 0.54 | H | - 18.7 | 5.22 | | 19 | | 1 |
| 1567 | 91.48 | 0.54 | 0.43 | 91.26 | 0.46 | 0.40 | 5.24 | 0.83 | H | + 11.0 | 5.57 | | 19 | | 1 |
| 1568 | 91.11 | 0.40 | 0.31 | 91.14 | 0.38 | 0.30 | 26.20 | 0.51 | H | + 6.9 | 3.98 | 1 | 11 | 1 | 3 |
| 1570 | 91.34 | 0.48 | 0.35 | 91.80 | 0.36 | 0.34 | 10.15 | 0.72 | H | - 25.0 | 5.46 | | 39 | | |
| 817 | 91.17 | 0.43 | 0.29 | 91.32 | 0.41 | 0.25 | 18.55 | 0.46 | H | - 36.6 | 4.55 | | 21 | 2 | |
| 815 | 90.83 | 0.68 | 0.20 | 91.29 | 0.44 | 0.20 | 4.85 | 0.84 | H | + 4.7 | 2.38 | 1 | 33 | | |
| 1572 | 91.09 | 0.42 | 0.30 | 91.26 | 0.40 | 0.27 | 1.26 | 0.29 | P | - 20.8 | 4.25 | 1 | 39 | | |
| 1571 | 91.27 | 0.41 | 0.33 | 91.43 | 0.44 | 0.38 | 6.53 | 0.71 | H | - 5.0 | 6.44 | | 15 | 1 | 3 |
| 818 | 91.27 | 0.71 | 0.33 | 91.02 | 0.40 | 0.28 | 11.10 | 0.80 | H | + 1.0 | 5.57 | | 19 | | 1 |
| 1574 | 91.25 | 0.69 | 0.36 | 91.45 | 0.42 | 0.31 | 6.98 | 0.80 | H | + 17.0 | 5.63 | | 19 | | 1 |
| 1573 | 91.20 | 0.49 | 0.45 | 90.97 | 0.40 | 0.35 | 63.95 | 0.78 | H | - 6.5 | 5.57 | | 15 | 1 | 3 |
| 1576 | 91.11 | 0.80 | 0.50 | 90.65 | 0.49 | 0.41 | 25.11 | 0.98 | H | - 48.5 | 6.85 | | 31 | | |
| 823 | 91.30 | 0.54 | 0.23 | 91.27 | 0.50 | 0.24 | 6.37 | 0.70 | H | - 12.0 | 5.09 | 1 | 29 | 2 | |
| 1577 | 91.25 | 0.72 | 0.27 | 91.24 | 0.47 | 0.25 | 36.15 | 0.81 | H | - 21.5 | 5.08 | | 19 | | 1 |
| 1579 | 91.09 | 0.58 | 0.34 | 91.32 | 0.55 | 0.36 | 2.84 | 0.77 | P | + 2.0 | 6.39 | | 31 | | |
| 1580 | 91.33 | 0.75 | 0.40 | 91.40 | 0.45 | 0.33 | 27.77 | 0.81 | H | - 50.2 | 6.24 | | 11 | 1 | 3 |
| 825 | 91.16 | 0.48 | 0.41 | 91.26 | 0.39 | 0.33 | 275.76 | 0.69 | H | - 39.6 | 4.69 | | 21 | 2 | |
| 830 | 91.00 | 0.43 | 0.30 | 91.26 | 0.40 | 0.26 | 10.25 | 0.47 | H | - 20.9 | 5.27 | | 31 | | |
| 827 | 90.99 | 0.74 | 0.21 | 91.04 | 0.52 | 0.19 | 4.30 | 0.83 | H | + 7.5 | 2.95 | | 39 | | |
| 1581 | 91.28 | 0.66 | 0.47 | 90.90 | 0.46 | 0.38 | 13.20 | 0.78 | H | + 38.8 | 4.47 | | 31 | | |
| 828 | 91.23 | 0.80 | 0.29 | 91.24 | 0.49 | 0.26 | 18.90 | 0.95 | H | - 10.0 | 4.29 | | 28 | 2 | |
| 837 | 91.23 | 0.40 | 0.27 | 91.33 | 0.39 | 0.25 | 8.64 | 0.44 | H | - 14.8 | 4.79 | | 39 | | |
| 835 | 91.25 | 0.36 | 0.24 | 91.42 | 0.47 | 0.30 | 12.96 | 0.62 | H | + 2.0 | 4.28 | | 21 | 2 | |
| 836 | 91.24 | 0.42 | 0.25 | 91.44 | 0.40 | 0.23 | 4.49 | 0.50 | H | - 18.4 | 3.39 | 1 | 28 | 2 | |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------------|--|---------|---------|----------|--------------------------------------|---------|---------|----------|
| FK6 No. | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 776 | + 9.82 | - 2.80 | - 3.41 | + 71.89 | - 9.22 | - 0.26 | - 0.17 | - 152.47 |
| 775 | + 1.62 | + 0.82 | + 0.92 | + 35.01 | + 7.02 | + 1.07 | + 1.07 | + 142.83 |
| 779 | + 3.89 | + 5.93 | + 6.54 | + 23.49 | - 0.43 | + 2.16 | + 2.41 | - 0.50 |
| 1544 | + 3.35 | + 1.01 | + 1.28 | + 34.33 | - 2.14 | - 4.64 | - 5.52 | - 68.36 |
| 781 | + 5.59 | - 5.03 | - 6.12 | + 29.18 | + 10.54 | + 1.42 | + 1.43 | + 75.86 |
| 1543 | + 1.72 | - 22.35 | - 32.81 | + 9.98 | - 0.15 | - 2.65 | - 3.12 | - 16.21 |
| 1545 | - 1.18 | - 1.45 | - 2.59 | - 30.59 | + 1.76 | - 0.19 | - 0.56 | + 84.22 |
| 1546 | - 1.10 | + 4.37 | + 6.04 | - 0.72 | + 2.46 | - 8.45 | - 11.53 | + 3.61 |
| 786 | - 4.14 | + 0.23 | + 0.28 | - 29.06 | + 3.09 | - 12.16 | - 14.00 | + 5.63 |
| 1548 | - 2.72 | - 4.22 | - 4.92 | - 16.86 | - 5.24 | + 0.92 | + 1.02 | - 44.01 |
| 1549 | - 1.69 | - 0.39 | - 0.39 | - 10.89 | + 1.57 | - 1.29 | - 1.39 | + 8.43 |
| 789 | - 9.03 | - 15.05 | - 18.68 | - 34.44 | + 10.79 | - 3.76 | - 4.81 | + 68.88 |
| 790 | - 6.01 | - 0.20 | - 0.18 | - 57.21 | - 8.70 | - 8.35 | - 8.87 | - 211.18 |
| 795 | + 7.14 | - 0.50 | - 0.59 | + 84.30 | + 2.26 | - 2.06 | - 2.24 | + 18.42 |
| 1552 | + 0.10 | - 11.98 | - 14.86 | + 1.51 | + 13.43 | + 1.63 | + 1.17 | + 102.36 |
| 1553 | + 2.65 | - 7.98 | - 18.75 | + 54.12 | - 1.69 | - 0.92 | - 2.55 | - 51.18 |
| 923 | + 0.71 | - 0.44 | - 0.52 | + 1.90 | + 6.40 | - 1.23 | - 1.32 | + 191.88 |
| 794 | - 1.43 | - 8.18 | - 9.58 | - 5.61 | - 0.20 | - 2.33 | - 2.58 | - 4.01 |
| 1554 | + 9.36 | - 4.05 | - 6.17 | + 112.36 | - 5.32 | + 2.31 | + 3.64 | - 211.79 |
| 1557 | - 4.59 | + 2.11 | + 3.17 | - 72.69 | + 4.29 | + 0.53 | + 0.80 | + 181.32 |
| 801 | + 3.26 | - 1.74 | - 2.21 | + 26.07 | - 13.48 | + 9.78 | + 10.61 | - 20.14 |
| 803 | + 5.87 | - 9.83 | - 10.18 | + 13.74 | - 6.88 | - 6.86 | - 7.03 | - 31.33 |
| 1561 | + 2.99 | - 0.34 | - 0.43 | + 14.82 | - 13.00 | - 0.78 | - 0.78 | - 106.00 |
| 1563 | + 10.12 | - 8.94 | - 10.88 | + 48.31 | + 1.86 | - 1.97 | - 2.24 | - 62.04 |
| 805 | + 13.64 | + 0.00 | + 0.00 | + 84.90 | - 6.71 | - 1.14 | - 1.14 | - 101.04 |
| 1564 | + 0.59 | - 3.70 | - 13.27 | + 40.04 | + 4.15 | - 10.48 | - 18.85 | - 12.26 |
| 807 | + 12.28 | - 0.80 | - 0.98 | + 61.09 | - 6.56 | + 2.20 | + 2.37 | - 43.29 |
| 1567 | + 5.25 | + 0.26 | + 0.68 | + 42.37 | - 10.18 | + 3.51 | + 4.91 | + 0.25 |
| 1568 | + 2.31 | - 5.13 | - 5.48 | + 2.98 | - 13.82 | + 1.56 | + 1.74 | - 69.32 |
| 1570 | + 8.78 | - 5.38 | - 6.31 | + 54.14 | - 3.34 | - 5.91 | - 6.65 | - 86.55 |
| 817 | - 3.00 | + 13.15 | + 14.02 | + 6.00 | + 25.52 | - 16.55 | - 17.42 | + 118.32 |
| 815 | - 1.08 | + 5.88 | + 10.20 | - 13.27 | - 6.71 | + 4.29 | + 5.44 | - 72.82 |
| 1572 | + 0.82 | + 0.89 | + 1.43 | + 55.78 | - 1.94 | + 0.81 | + 1.25 | - 75.41 |
| 1571 | + 6.35 | - 1.84 | - 2.18 | + 56.49 | + 0.13 | + 0.25 | + 0.34 | + 5.98 |
| 818 | - 1.72 | + 9.24 | + 11.40 | - 9.58 | + 7.37 | + 2.80 | + 3.44 | + 90.12 |
| 1574 | + 7.03 | - 7.31 | - 10.45 | + 70.56 | - 0.13 | - 0.15 | - 0.69 | + 10.84 |
| 1573 | - 5.30 | + 0.25 | + 0.25 | - 31.39 | + 3.00 | - 1.44 | - 1.53 | - 30.30 |
| 1576 | + 10.61 | + 2.25 | + 2.42 | + 72.47 | - 7.61 | + 3.88 | + 4.25 | - 42.77 |
| 823 | - 7.80 | - 9.61 | - 10.72 | - 51.71 | - 7.50 | + 11.58 | + 13.39 | - 53.96 |
| 1577 | - 2.55 | + 11.81 | + 13.37 | - 10.90 | - 7.90 | + 5.97 | + 6.40 | - 47.78 |
| 1579 | - 0.75 | - 5.13 | - 8.02 | - 25.41 | + 0.46 | - 5.39 | - 8.32 | - 32.77 |
| 1580 | - 2.35 | - 2.32 | - 2.57 | - 11.46 | - 15.50 | - 0.53 | - 0.53 | - 99.85 |
| 825 | - 2.92 | - 8.66 | - 9.29 | - 55.44 | + 10.63 | - 7.71 | - 8.15 | + 16.18 |
| 830 | + 14.83 | - 2.08 | - 2.43 | + 86.60 | + 0.67 | + 0.85 | + 0.94 | + 8.74 |
| 827 | - 4.41 | - 4.96 | - 7.34 | - 39.99 | + 0.68 | - 3.70 | - 4.66 | + 7.61 |
| 1581 | + 5.07 | + 2.71 | + 3.07 | + 80.08 | + 12.57 | - 5.96 | - 6.70 | + 135.27 |
| 828 | - 28.38 | - 6.25 | - 6.77 | - 141.40 | + 11.18 | - 1.98 | - 2.24 | + 91.28 |
| 837 | - 0.18 | + 0.86 | + 0.95 | + 3.99 | + 5.27 | + 4.29 | + 4.55 | + 98.32 |
| 835 | - 11.36 | + 9.63 | + 10.33 | - 47.24 | - 13.32 | + 10.74 | + 11.95 | - 104.87 |
| 836 | + 5.90 | - 4.34 | - 5.05 | + 51.78 | - 5.40 | - 3.67 | - 4.02 | - 105.72 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|---|--------|--------|--------|---------|---|--------|--------|--------|---------|
| FK6 | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| No. | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 776 | + 0.39 | - 0.33 | - 0.40 | + 1.52 | - 0.37 | + 0.06 | - 0.04 | - 0.03 | - 1.99 | + 1.22 |
| 775 | - 0.24 | + 0.09 | + 0.10 | + 0.21 | - 0.67 | - 0.18 | + 0.12 | + 0.12 | + 1.48 | - 1.20 |
| 779 | - 0.05 | + 0.69 | + 0.76 | + 0.21 | - 0.29 | - 0.06 | + 0.25 | + 0.28 | - 0.06 | - 0.07 |
| 1544 | + 0.07 | + 0.12 | + 0.15 | + 0.56 | - 0.32 | + 0.27 | - 0.53 | - 0.63 | - 0.62 | + 0.99 |
| 781 | + 0.11 | - 0.55 | - 0.67 | + 0.41 | - 0.12 | + 0.09 | + 0.15 | + 0.15 | + 0.83 | - 0.37 |
| 1543 | + 0.36 | - 2.53 | - 3.71 | + 0.64 | + 0.52 | + 0.08 | - 0.31 | - 0.37 | - 0.10 | + 0.20 |
| 1545 | + 0.01 | - 0.17 | - 0.30 | - 0.52 | + 0.35 | + 0.02 | - 0.02 | - 0.06 | + 1.36 | - 0.60 |
| 1546 | - 0.18 | + 0.50 | + 0.69 | - 0.24 | - 0.28 | + 0.39 | - 0.93 | - 1.27 | + 0.53 | + 0.56 |
| 786 | - 0.07 | + 0.05 | + 0.06 | - 0.44 | + 0.25 | + 0.44 | - 1.39 | - 1.60 | + 0.53 | + 0.51 |
| 1548 | + 0.06 | - 0.49 | - 0.57 | - 0.16 | + 0.32 | - 0.16 | + 0.10 | + 0.11 | - 0.74 | + 0.22 |
| 1549 | - 0.03 | - 0.04 | - 0.04 | - 0.18 | + 0.11 | + 0.13 | - 0.14 | - 0.15 | + 0.25 | + 0.08 |
| 789 | - 0.02 | - 1.70 | - 2.11 | - 0.40 | + 0.47 | + 0.14 | - 0.43 | - 0.55 | + 0.96 | - 0.41 |
| 790 | + 0.01 | - 0.06 | - 0.06 | - 0.74 | + 0.73 | + 0.92 | - 0.98 | - 1.04 | - 1.55 | + 2.59 |
| 795 | + 0.13 | - 0.05 | - 0.06 | + 1.22 | - 0.44 | + 0.17 | - 0.24 | - 0.26 | + 0.38 | + 0.10 |
| 1552 | + 0.07 | - 1.35 | - 1.68 | + 0.10 | + 0.08 | + 0.09 | + 0.15 | + 0.09 | + 1.12 | - 0.49 |
| 1553 | + 0.14 | - 0.91 | - 2.14 | + 1.23 | - 0.16 | - 0.04 | - 0.11 | - 0.30 | - 0.83 | + 0.33 |
| 923 | + 0.10 | - 0.05 | - 0.06 | + 0.12 | + 0.11 | + 0.19 | - 0.14 | - 0.15 | + 2.13 | - 0.36 |
| 794 | + 0.04 | - 0.93 | - 1.09 | - 0.02 | + 0.11 | + 0.06 | - 0.27 | - 0.30 | + 0.02 | + 0.09 |
| 1554 | + 0.90 | - 0.46 | - 0.70 | + 3.08 | + 0.14 | - 0.32 | + 0.26 | + 0.41 | - 3.43 | + 1.16 |
| 1557 | - 0.30 | + 0.24 | + 0.36 | - 1.67 | + 0.33 | + 0.06 | + 0.06 | + 0.09 | + 2.71 | - 1.23 |
| 801 | + 0.08 | - 0.15 | - 0.20 | + 0.44 | - 0.25 | - 1.59 | + 1.18 | + 1.28 | - 1.80 | - 1.68 |
| 803 | + 0.39 | - 1.11 | - 1.15 | + 0.51 | + 0.28 | + 0.09 | - 0.78 | - 0.80 | - 0.15 | + 0.34 |
| 1561 | + 0.04 | - 0.04 | - 0.05 | + 0.20 | - 0.11 | - 0.12 | - 0.09 | - 0.09 | - 1.22 | + 0.62 |
| 1563 | + 1.05 | - 1.01 | - 1.23 | + 1.85 | + 0.86 | + 0.56 | - 0.22 | - 0.25 | - 0.22 | + 1.15 |
| 805 | + 0.33 | + 0.00 | + 0.00 | + 1.40 | - 0.62 | + 0.21 | - 0.13 | - 0.13 | - 0.97 | + 0.99 |
| 1564 | - 0.09 | - 0.45 | - 1.57 | + 0.74 | - 0.41 | + 0.66 | - 1.22 | - 2.20 | + 0.72 | + 1.25 |
| 807 | + 0.20 | - 0.09 | - 0.11 | + 0.95 | - 0.48 | - 0.23 | + 0.25 | + 0.27 | - 0.70 | + 0.09 |
| 1567 | + 0.51 | + 0.03 | + 0.08 | + 1.27 | + 0.21 | - 1.31 | + 0.40 | + 0.56 | - 1.56 | - 1.91 |
| 1568 | + 0.32 | - 0.58 | - 0.62 | + 0.35 | + 0.35 | - 0.25 | + 0.18 | + 0.20 | - 1.03 | + 0.56 |
| 1570 | + 0.38 | - 0.63 | - 0.74 | + 1.27 | - 0.14 | + 0.51 | - 0.72 | - 0.81 | - 0.79 | + 1.50 |
| 817 | - 0.76 | + 1.51 | + 1.61 | - 0.67 | - 1.01 | + 1.37 | - 1.92 | - 2.02 | + 2.60 | + 0.62 |
| 815 | - 0.02 | + 0.65 | + 1.13 | - 0.20 | + 0.04 | - 0.15 | + 0.49 | + 0.62 | - 0.91 | + 0.24 |
| 1572 | - 0.07 | + 0.10 | + 0.16 | + 0.79 | - 0.78 | - 0.10 | + 0.09 | + 0.14 | - 1.08 | + 0.48 |
| 1571 | + 0.27 | - 0.21 | - 0.25 | + 1.21 | - 0.26 | - 0.02 | + 0.03 | + 0.04 | + 0.07 | - 0.07 |
| 818 | - 0.16 | + 1.06 | + 1.31 | - 0.31 | - 0.14 | + 0.01 | + 0.31 | + 0.38 | + 1.05 | - 0.72 |
| 1574 | + 0.25 | - 0.84 | - 1.20 | + 1.39 | - 0.26 | - 0.08 | - 0.01 | - 0.07 | + 0.07 | - 0.16 |
| 1573 | - 0.28 | + 0.03 | + 0.03 | - 0.78 | + 0.07 | + 0.67 | - 0.16 | - 0.17 | + 0.22 | + 1.08 |
| 1576 | + 0.14 | + 0.26 | + 0.28 | + 1.31 | - 0.77 | - 0.61 | + 0.42 | + 0.46 | - 1.21 | - 0.34 |
| 823 | + 0.11 | - 1.13 | - 1.26 | - 0.50 | + 0.73 | - 0.36 | + 1.34 | + 1.55 | - 0.96 | - 0.04 |
| 1577 | - 0.12 | + 1.36 | + 1.54 | - 0.23 | - 0.06 | - 0.25 | + 0.68 | + 0.73 | - 0.73 | - 0.02 |
| 1579 | + 0.14 | - 0.59 | - 0.92 | - 0.21 | + 0.58 | + 0.23 | - 0.63 | - 0.97 | - 0.18 | + 0.69 |
| 1580 | + 0.02 | - 0.27 | - 0.30 | - 0.14 | + 0.20 | - 0.24 | - 0.06 | - 0.06 | - 1.65 | + 0.71 |
| 825 | + 0.76 | - 0.97 | - 1.04 | + 0.10 | + 1.61 | + 1.29 | - 0.88 | - 0.93 | + 1.40 | + 1.34 |
| 830 | + 0.32 | - 0.23 | - 0.27 | + 1.46 | - 0.69 | - 0.02 | + 0.10 | + 0.11 | + 0.08 | - 0.09 |
| 827 | - 0.03 | - 0.57 | - 0.84 | - 0.47 | + 0.28 | + 0.05 | - 0.42 | - 0.53 | + 0.13 | + 0.03 |
| 1581 | - 0.12 | + 0.30 | + 0.34 | + 1.00 | - 1.05 | + 1.02 | - 0.65 | - 0.73 | + 2.71 | + 0.38 |
| 828 | - 0.32 | - 0.73 | - 0.79 | - 1.84 | + 1.00 | + 0.16 | - 0.22 | - 0.25 | + 1.04 | - 0.38 |
| 837 | - 0.08 | + 0.10 | + 0.11 | - 0.03 | - 0.13 | - 0.25 | + 0.50 | + 0.53 | + 0.86 | - 0.88 |
| 835 | - 0.58 | + 1.10 | + 1.18 | - 1.13 | - 0.22 | - 0.46 | + 1.24 | + 1.38 | - 1.64 | + 0.21 |
| 836 | + 0.30 | - 0.49 | - 0.57 | + 0.98 | - 0.09 | + 0.13 | - 0.43 | - 0.47 | - 1.02 | + 0.86 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------|------------|-------|-------|-------|--------------------------------|------|------|-------|---------------------------------------|------|------|------|---------|
| FK6 | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu,\alpha^*}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 776 | 82.91 | 91.40 | 91.40 | 60.17 | 14.54 | 0.72 | 0.72 | 28.05 | 0.77 | 0.88 | 0.92 | 1.21 | 0.90 |
| 775 | 82.42 | 91.02 | 91.02 | 53.39 | 13.54 | 0.36 | 0.36 | 28.05 | 0.61 | 0.45 | 0.46 | 0.92 | 0.75 |
| 779 | 72.94 | 91.34 | 91.34 | 47.77 | 13.43 | 0.72 | 0.72 | 20.69 | 0.46 | 0.88 | 0.92 | 0.69 | 0.48 |
| 1544 | 84.00 | 91.15 | 91.15 | 57.44 | 9.10 | 0.48 | 0.48 | 19.66 | 0.48 | 0.57 | 0.60 | 0.75 | 0.58 |
| 781 | 70.23 | 90.97 | 90.97 | 42.60 | 10.04 | 0.76 | 0.76 | 15.28 | 0.30 | 0.88 | 0.95 | 0.45 | 0.32 |
| 1543 | 83.38 | 91.13 | 91.13 | 54.90 | 9.00 | 0.73 | 0.73 | 19.38 | 0.45 | 0.93 | 1.09 | 0.71 | 0.54 |
| 1545 | 87.48 | 91.31 | 91.31 | 61.34 | 5.92 | 0.74 | 0.74 | 16.62 | 0.45 | 0.70 | 0.88 | 0.82 | 0.55 |
| 1546 | 86.11 | 91.18 | 91.18 | 57.29 | 7.99 | 0.74 | 0.74 | 20.57 | 0.47 | 0.86 | 1.05 | 0.74 | 0.61 |
| 786 | 80.75 | 91.17 | 91.17 | 54.66 | 6.76 | 0.42 | 0.42 | 12.62 | 0.29 | 0.42 | 0.44 | 0.43 | 0.35 |
| 1548 | 78.81 | 91.35 | 91.35 | 59.48 | 11.14 | 0.74 | 0.74 | 17.80 | 0.50 | 0.87 | 0.93 | 0.72 | 0.56 |
| 1549 | 80.56 | 91.11 | 91.11 | 59.43 | 8.70 | 0.49 | 0.49 | 15.01 | 0.42 | 0.50 | 0.52 | 0.63 | 0.47 |
| 789 | 73.26 | 91.13 | 91.13 | 55.80 | 11.81 | 0.83 | 0.83 | 16.58 | 0.46 | 1.20 | 1.33 | 0.66 | 0.47 |
| 790 | 82.41 | 91.27 | 91.27 | 56.69 | 13.86 | 0.71 | 0.71 | 27.41 | 0.64 | 0.86 | 0.90 | 0.94 | 0.79 |
| 795 | 80.70 | 91.16 | 91.16 | 46.87 | 9.17 | 0.42 | 0.42 | 18.80 | 0.38 | 0.45 | 0.47 | 0.66 | 0.42 |
| 1552 | 67.65 | 91.26 | 91.26 | 43.67 | 10.61 | 0.84 | 0.84 | 15.07 | 0.32 | 1.10 | 1.23 | 0.48 | 0.32 |
| 1553 | 86.36 | 91.24 | 91.24 | 59.96 | 7.06 | 0.84 | 0.84 | 17.86 | 0.49 | 0.98 | 1.39 | 0.88 | 0.57 |
| 923 | 85.00 | 91.10 | 91.10 | 32.13 | 11.84 | 0.40 | 0.40 | 36.43 | 0.54 | 0.47 | 0.48 | 1.05 | 0.62 |
| 794 | 68.81 | 91.19 | 91.19 | 48.86 | 10.16 | 0.69 | 0.69 | 13.96 | 0.34 | 0.90 | 0.97 | 0.50 | 0.33 |
| 1554 | 89.26 | 91.20 | 91.20 | 62.21 | 7.07 | 0.41 | 0.41 | 27.08 | 0.64 | 0.46 | 0.49 | 1.13 | 0.93 |
| 1557 | 88.09 | 91.18 | 91.18 | 62.17 | 9.72 | 0.66 | 0.66 | 29.53 | 0.78 | 0.74 | 0.81 | 1.38 | 1.02 |
| 801 | 82.33 | 91.03 | 91.03 | 58.34 | 12.63 | 0.77 | 0.77 | 24.29 | 0.59 | 1.05 | 1.15 | 0.85 | 0.74 |
| 803 | 66.54 | 91.21 | 91.21 | 48.95 | 11.37 | 0.44 | 0.44 | 14.87 | 0.36 | 0.48 | 0.49 | 0.49 | 0.35 |
| 1561 | 74.00 | 91.47 | 91.47 | 49.53 | 10.41 | 0.73 | 0.73 | 16.19 | 0.36 | 0.87 | 0.94 | 0.51 | 0.39 |
| 1563 | 85.97 | 91.17 | 91.17 | 58.98 | 12.59 | 0.63 | 0.63 | 31.13 | 0.75 | 0.72 | 0.75 | 1.20 | 0.97 |
| 805 | 79.87 | 91.34 | 91.34 | 55.35 | 14.80 | 0.33 | 0.33 | 26.27 | 0.63 | 0.37 | 0.37 | 0.93 | 0.73 |
| 1564 | 87.75 | 91.34 | 91.34 | 62.28 | 5.84 | 0.83 | 0.83 | 16.73 | 0.47 | 0.80 | 1.15 | 0.84 | 0.58 |
| 807 | 75.60 | 91.06 | 91.06 | 54.33 | 10.19 | 0.43 | 0.43 | 15.65 | 0.40 | 0.57 | 0.59 | 0.58 | 0.43 |
| 1567 | 88.58 | 91.49 | 91.49 | 61.65 | 8.29 | 0.54 | 0.54 | 27.47 | 0.68 | 0.52 | 0.56 | 1.19 | 0.92 |
| 1568 | 75.54 | 91.13 | 91.13 | 62.18 | 10.72 | 0.40 | 0.40 | 14.59 | 0.47 | 0.50 | 0.51 | 0.63 | 0.50 |
| 1570 | 81.16 | 91.38 | 91.38 | 60.98 | 9.54 | 0.48 | 0.48 | 16.51 | 0.49 | 0.56 | 0.58 | 0.78 | 0.54 |
| 817 | 75.77 | 91.20 | 91.20 | 55.29 | 10.94 | 0.43 | 0.43 | 16.68 | 0.43 | 0.48 | 0.49 | 0.61 | 0.46 |
| 815 | 74.43 | 90.99 | 90.99 | 43.00 | 6.78 | 0.68 | 0.68 | 11.51 | 0.24 | 0.88 | 1.12 | 0.40 | 0.24 |
| 1572 | 89.19 | 91.11 | 91.11 | 59.92 | 4.19 | 0.43 | 0.43 | 16.49 | 0.37 | 0.38 | 0.43 | 0.65 | 0.53 |
| 1571 | 83.82 | 91.29 | 91.29 | 60.06 | 8.40 | 0.41 | 0.41 | 17.21 | 0.47 | 0.46 | 0.48 | 0.79 | 0.55 |
| 818 | 78.50 | 91.31 | 91.31 | 50.93 | 10.03 | 0.72 | 0.72 | 17.83 | 0.40 | 0.82 | 0.90 | 0.63 | 0.44 |
| 1574 | 81.96 | 91.29 | 91.29 | 55.93 | 8.53 | 0.69 | 0.69 | 16.63 | 0.43 | 0.84 | 0.97 | 0.73 | 0.47 |
| 1573 | 83.32 | 91.21 | 91.21 | 62.71 | 14.94 | 0.49 | 0.49 | 28.35 | 0.83 | 0.54 | 0.55 | 1.29 | 0.99 |
| 1576 | 80.88 | 91.15 | 91.15 | 61.98 | 12.60 | 0.80 | 0.80 | 21.18 | 0.66 | 0.91 | 0.96 | 1.03 | 0.73 |
| 823 | 76.67 | 91.37 | 91.37 | 52.46 | 7.52 | 0.55 | 0.55 | 12.27 | 0.29 | 0.55 | 0.58 | 0.43 | 0.32 |
| 1577 | 66.57 | 91.33 | 91.33 | 42.38 | 11.76 | 0.73 | 0.73 | 16.54 | 0.36 | 0.90 | 0.95 | 0.54 | 0.34 |
| 1579 | 86.67 | 91.16 | 91.16 | 61.47 | 5.96 | 0.59 | 0.59 | 15.24 | 0.40 | 0.56 | 0.64 | 0.66 | 0.51 |
| 1580 | 77.13 | 91.37 | 91.37 | 61.23 | 11.65 | 0.75 | 0.75 | 16.98 | 0.54 | 0.85 | 0.89 | 0.77 | 0.56 |
| 825 | 80.36 | 91.16 | 91.16 | 56.02 | 15.01 | 0.48 | 0.48 | 27.01 | 0.66 | 0.54 | 0.55 | 0.99 | 0.77 |
| 830 | 79.23 | 91.04 | 91.04 | 56.68 | 9.48 | 0.44 | 0.44 | 16.07 | 0.41 | 0.49 | 0.51 | 0.60 | 0.47 |
| 827 | 77.85 | 91.16 | 91.16 | 43.45 | 6.73 | 0.75 | 0.75 | 12.72 | 0.24 | 0.75 | 0.91 | 0.39 | 0.27 |
| 1581 | 84.83 | 91.30 | 91.30 | 56.72 | 11.69 | 0.66 | 0.66 | 27.12 | 0.63 | 0.71 | 0.75 | 0.98 | 0.78 |
| 828 | 71.74 | 91.32 | 91.32 | 47.01 | 10.91 | 0.81 | 0.81 | 16.43 | 0.36 | 0.84 | 0.90 | 0.54 | 0.37 |
| 837 | 79.51 | 91.25 | 91.25 | 48.19 | 9.31 | 0.40 | 0.40 | 17.82 | 0.37 | 0.44 | 0.45 | 0.60 | 0.41 |
| 835 | 74.03 | 91.27 | 91.27 | 50.06 | 9.81 | 0.36 | 0.36 | 15.17 | 0.35 | 0.41 | 0.42 | 0.53 | 0.37 |
| 836 | 82.64 | 91.27 | 91.27 | 50.68 | 7.16 | 0.42 | 0.42 | 15.55 | 0.32 | 0.42 | 0.44 | 0.52 | 0.38 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 776 | 82.84 | 91.69 | 91.69 | 49.28 | 15.19 | 0.47 | 0.47 | 33.92 | 0.70 | 0.50 | 0.51 | 1.20 | 0.80 |
| 775 | 82.77 | 91.11 | 91.11 | 42.71 | 14.05 | 0.36 | 0.36 | 33.61 | 0.59 | 0.45 | 0.46 | 0.99 | 0.69 |
| 779 | 74.93 | 91.17 | 91.17 | 39.25 | 14.61 | 0.43 | 0.43 | 26.09 | 0.47 | 0.75 | 0.78 | 0.79 | 0.50 |
| 1544 | 84.99 | 91.21 | 91.21 | 52.12 | 9.41 | 0.48 | 0.48 | 23.54 | 0.49 | 0.57 | 0.60 | 0.80 | 0.60 |
| 781 | 70.13 | 90.80 | 90.80 | 33.94 | 10.57 | 0.36 | 0.36 | 17.42 | 0.30 | 0.58 | 0.60 | 0.49 | 0.31 |
| 1543 | 83.26 | 90.89 | 90.89 | 39.21 | 9.34 | 0.38 | 0.38 | 23.90 | 0.40 | 0.64 | 0.69 | 0.74 | 0.46 |
| 1545 | 88.53 | 90.83 | 90.83 | 54.17 | 6.08 | 0.39 | 0.39 | 22.92 | 0.49 | 0.58 | 0.67 | 0.94 | 0.63 |
| 1546 | 87.12 | 90.94 | 90.94 | 45.07 | 8.26 | 0.43 | 0.43 | 27.88 | 0.48 | 0.72 | 0.83 | 0.81 | 0.61 |
| 786 | 80.74 | 91.23 | 91.23 | 45.01 | 7.04 | 0.45 | 0.45 | 14.76 | 0.28 | 0.44 | 0.46 | 0.45 | 0.32 |
| 1548 | 80.93 | 91.17 | 91.17 | 51.89 | 12.26 | 0.52 | 0.52 | 23.94 | 0.53 | 0.65 | 0.67 | 0.85 | 0.61 |
| 1549 | 81.81 | 90.82 | 90.82 | 53.88 | 9.23 | 0.38 | 0.38 | 18.37 | 0.42 | 0.41 | 0.42 | 0.68 | 0.50 |
| 789 | 73.87 | 91.51 | 91.51 | 47.00 | 13.09 | 0.48 | 0.48 | 20.89 | 0.46 | 0.48 | 0.51 | 0.72 | 0.47 |
| 790 | 81.11 | 91.40 | 91.40 | 43.54 | 14.25 | 0.48 | 0.48 | 30.91 | 0.56 | 0.48 | 0.49 | 0.93 | 0.65 |
| 795 | 81.08 | 91.41 | 91.41 | 37.12 | 9.46 | 0.39 | 0.39 | 21.82 | 0.36 | 0.41 | 0.42 | 0.65 | 0.40 |
| 1552 | 69.88 | 91.09 | 91.09 | 33.95 | 11.83 | 0.53 | 0.53 | 19.37 | 0.34 | 0.68 | 0.71 | 0.57 | 0.34 |
| 1553 | 87.34 | 90.82 | 90.82 | 53.04 | 7.25 | 0.42 | 0.42 | 22.84 | 0.49 | 0.48 | 0.53 | 0.97 | 0.60 |
| 923 | 82.60 | 91.21 | 91.21 | 21.75 | 11.71 | 0.41 | 0.41 | 33.19 | 0.44 | 0.44 | 0.45 | 0.95 | 0.48 |
| 794 | 69.25 | 91.47 | 91.47 | 35.84 | 11.49 | 0.37 | 0.37 | 18.24 | 0.33 | 0.36 | 0.37 | 0.54 | 0.33 |
| 1554 | 89.52 | 91.16 | 91.16 | 51.63 | 7.16 | 0.41 | 0.41 | 34.37 | 0.62 | 0.44 | 0.47 | 1.17 | 0.87 |
| 1557 | 88.35 | 91.37 | 91.37 | 51.30 | 9.91 | 0.58 | 0.58 | 36.73 | 0.72 | 0.50 | 0.52 | 1.37 | 0.92 |
| 801 | 83.21 | 91.71 | 91.71 | 47.91 | 13.32 | 0.52 | 0.52 | 30.91 | 0.58 | 0.47 | 0.48 | 0.91 | 0.71 |
| 803 | 60.33 | 91.32 | 91.32 | 30.05 | 12.40 | 0.42 | 0.42 | 17.44 | 0.29 | 0.44 | 0.45 | 0.42 | 0.28 |
| 1561 | 75.09 | 91.22 | 91.22 | 39.47 | 11.27 | 0.45 | 0.45 | 20.18 | 0.36 | 0.51 | 0.53 | 0.57 | 0.39 |
| 1563 | 86.16 | 91.32 | 91.32 | 47.47 | 12.93 | 0.47 | 0.47 | 37.90 | 0.70 | 0.42 | 0.43 | 1.19 | 0.86 |
| 805 | 80.29 | 91.24 | 91.24 | 43.93 | 15.69 | 0.36 | 0.36 | 32.60 | 0.60 | 0.39 | 0.39 | 0.98 | 0.69 |
| 1564 | 88.26 | 91.43 | 91.43 | 56.65 | 5.93 | 0.61 | 0.61 | 20.05 | 0.46 | 0.57 | 0.70 | 0.89 | 0.58 |
| 807 | 76.99 | 91.21 | 91.21 | 44.39 | 11.19 | 0.39 | 0.39 | 20.29 | 0.39 | 0.42 | 0.43 | 0.61 | 0.43 |
| 1567 | 89.17 | 91.30 | 91.30 | 52.09 | 8.46 | 0.46 | 0.46 | 36.70 | 0.70 | 0.46 | 0.49 | 1.35 | 0.94 |
| 1568 | 76.93 | 91.17 | 91.17 | 53.38 | 12.47 | 0.38 | 0.38 | 20.28 | 0.46 | 0.44 | 0.45 | 0.65 | 0.54 |
| 1570 | 83.26 | 91.80 | 91.80 | 56.84 | 10.23 | 0.36 | 0.36 | 21.20 | 0.53 | 0.47 | 0.48 | 0.86 | 0.61 |
| 817 | 73.40 | 91.34 | 91.34 | 42.91 | 11.51 | 0.41 | 0.41 | 18.95 | 0.37 | 0.40 | 0.41 | 0.58 | 0.39 |
| 815 | 77.56 | 91.31 | 91.31 | 34.82 | 7.29 | 0.45 | 0.45 | 14.80 | 0.24 | 0.46 | 0.49 | 0.40 | 0.26 |
| 1572 | 89.37 | 91.28 | 91.28 | 48.83 | 4.23 | 0.40 | 0.40 | 20.08 | 0.34 | 0.35 | 0.39 | 0.59 | 0.47 |
| 1571 | 85.37 | 91.44 | 91.44 | 54.05 | 8.83 | 0.44 | 0.44 | 22.17 | 0.51 | 0.55 | 0.58 | 0.92 | 0.59 |
| 818 | 81.26 | 91.01 | 91.01 | 45.46 | 10.71 | 0.40 | 0.40 | 22.94 | 0.43 | 0.40 | 0.42 | 0.69 | 0.50 |
| 1574 | 83.03 | 91.43 | 91.43 | 46.29 | 8.97 | 0.43 | 0.43 | 20.96 | 0.41 | 0.50 | 0.53 | 0.76 | 0.46 |
| 1573 | 84.19 | 90.98 | 90.98 | 53.34 | 15.86 | 0.40 | 0.40 | 36.76 | 0.81 | 0.40 | 0.40 | 1.34 | 0.98 |
| 1576 | 82.48 | 90.67 | 90.67 | 54.69 | 13.67 | 0.50 | 0.50 | 27.93 | 0.66 | 0.52 | 0.53 | 1.08 | 0.78 |
| 823 | 77.98 | 91.31 | 91.31 | 41.83 | 8.14 | 0.50 | 0.50 | 15.71 | 0.28 | 0.56 | 0.60 | 0.45 | 0.32 |
| 1577 | 66.45 | 91.26 | 91.26 | 32.75 | 12.68 | 0.47 | 0.47 | 19.47 | 0.35 | 0.48 | 0.49 | 0.60 | 0.33 |
| 1579 | 87.69 | 91.36 | 91.36 | 55.56 | 6.14 | 0.56 | 0.56 | 19.40 | 0.43 | 0.54 | 0.61 | 0.78 | 0.54 |
| 1580 | 77.21 | 91.38 | 91.38 | 55.14 | 12.51 | 0.46 | 0.46 | 20.05 | 0.54 | 0.47 | 0.48 | 0.86 | 0.55 |
| 825 | 79.40 | 91.26 | 91.26 | 43.83 | 15.64 | 0.39 | 0.39 | 31.28 | 0.60 | 0.42 | 0.42 | 1.00 | 0.66 |
| 830 | 78.78 | 91.29 | 91.29 | 44.43 | 10.05 | 0.40 | 0.40 | 19.46 | 0.38 | 0.41 | 0.42 | 0.62 | 0.42 |
| 827 | 78.15 | 91.12 | 91.12 | 24.49 | 7.10 | 0.52 | 0.52 | 16.03 | 0.21 | 0.52 | 0.57 | 0.37 | 0.24 |
| 1581 | 85.14 | 90.91 | 90.91 | 43.31 | 12.10 | 0.47 | 0.47 | 33.92 | 0.60 | 0.48 | 0.49 | 1.07 | 0.71 |
| 828 | 72.84 | 91.23 | 91.23 | 33.20 | 12.05 | 0.49 | 0.49 | 21.39 | 0.35 | 0.49 | 0.50 | 0.57 | 0.37 |
| 837 | 79.25 | 91.35 | 91.35 | 39.02 | 9.58 | 0.39 | 0.39 | 19.98 | 0.35 | 0.38 | 0.39 | 0.60 | 0.38 |
| 835 | 77.44 | 91.43 | 91.43 | 42.15 | 10.90 | 0.47 | 0.47 | 20.55 | 0.38 | 0.56 | 0.58 | 0.62 | 0.42 |
| 836 | 82.15 | 91.47 | 91.47 | 39.76 | 7.32 | 0.40 | 0.40 | 17.41 | 0.29 | 0.38 | 0.39 | 0.48 | 0.34 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|------------|-----------|--------|--------|-----------------------|------|------|---------------------------------|-------------------------------|--|--------------------------------------|
| FK6 No. | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ [mas] | $\Delta\delta_{sys}$ [mas] | $\Delta\mu_{\alpha^*,sys}$ [mas/yr] | $\Delta\mu_{\delta,sys}$ [mas/yr] |
| | SI | STP | HIP | SI | STP | HIP | | | | |
| 776 | 41.39 | 41.38 | 41.38 | 0.82 | 0.82 | 0.82 | - 34.11 | + 4.10 | + 0.51 | - 2.70 |
| 775 | 23.73 | 23.71 | 23.71 | 0.63 | 0.63 | 0.63 | - 3.00 | + 5.25 | - 3.53 | - 0.43 |
| 779 | 68.03 | 68.15 | 68.16 | 0.79 | 0.90 | 0.91 | - 3.25 | - 45.78 | + 2.15 | + 0.00 |
| 1544 | 7.51 | 7.52 | 7.52 | 0.55 | 0.55 | 0.55 | - 46.17 | + 6.05 | - 0.06 | + 1.51 |
| 781 | 14.25 | 14.22 | 14.21 | 0.89 | 0.90 | 0.90 | - 14.51 | - 39.01 | + 1.80 | + 0.34 |
| 1543 | 8.15 | 7.61 | 7.33 | 0.92 | 0.97 | 0.99 | - 20.82 | - 22.50 | + 1.64 | + 0.17 |
| 1545 | 3.53 | 3.49 | 3.46 | 0.88 | 0.90 | 0.91 | - 14.03 | - 14.56 | + 1.18 | - 0.16 |
| 1546 | 4.55 | 5.02 | 5.19 | 0.82 | 0.90 | 0.95 | - 4.77 | - 44.64 | + 2.61 | - 0.26 |
| 786 | 4.85 | 4.47 | 4.41 | 0.66 | 0.67 | 0.67 | + 26.59 | - 8.95 | - 0.02 | + 0.44 |
| 1548 | 17.78 | 17.61 | 17.58 | 0.80 | 0.84 | 0.85 | - 3.50 | - 44.58 | + 1.52 | + 0.42 |
| 1549 | 8.19 | 8.21 | 8.21 | 0.69 | 0.69 | 0.69 | + 16.87 | - 16.37 | - 0.17 | + 0.18 |
| 789 | 38.22 | 37.88 | 37.80 | 0.97 | 1.00 | 1.01 | - 15.68 | - 20.16 | + 1.48 | + 0.14 |
| 790 | 28.14 | 28.31 | 28.32 | 0.79 | 0.85 | 0.86 | - 21.29 | - 22.67 | + 0.89 | - 2.08 |
| 795 | 7.94 | 7.91 | 7.91 | 0.44 | 0.44 | 0.44 | + 21.97 | - 9.33 | - 0.75 | - 0.05 |
| 1552 | 20.92 | 20.66 | 20.61 | 0.90 | 0.92 | 0.92 | - 1.27 | - 43.17 | + 1.39 | + 0.41 |
| 1553 | 4.47 | 4.28 | 4.01 | 0.84 | 0.86 | 0.89 | - 7.57 | - 13.06 | + 0.98 | - 0.22 |
| 923 | 12.07 | 12.07 | 12.07 | 0.48 | 0.48 | 0.48 | - 28.98 | - 45.25 | - 2.95 | - 2.60 |
| 794 | 20.22 | 19.97 | 19.93 | 0.73 | 0.77 | 0.77 | - 0.86 | - 40.81 | + 1.76 | + 0.34 |
| 1554 | 3.64 | 3.66 | 3.67 | 0.62 | 0.62 | 0.62 | + 15.56 | - 8.31 | - 5.12 | - 0.32 |
| 1557 | 7.56 | 7.56 | 7.55 | 0.93 | 0.93 | 0.93 | - 2.74 | + 9.93 | + 1.50 | - 2.98 |
| 801 | 19.41 | 19.74 | 19.76 | 0.84 | 0.87 | 0.88 | - 8.73 | - 37.14 | + 2.18 | - 1.20 |
| 803 | 67.07 | 66.85 | 66.84 | 0.48 | 0.49 | 0.49 | + 6.47 | + 18.61 | - 0.94 | + 0.48 |
| 1561 | 15.13 | 15.13 | 15.13 | 0.80 | 0.80 | 0.80 | + 5.74 | - 40.77 | + 1.51 | + 0.37 |
| 1563 | 15.99 | 15.73 | 15.68 | 0.76 | 0.77 | 0.77 | - 33.41 | + 6.64 | - 0.59 | - 2.42 |
| 805 | 108.48 | 108.50 | 108.50 | 0.59 | 0.59 | 0.59 | + 10.94 | + 13.37 | - 3.08 | - 0.59 |
| 1564 | 3.14 | 3.40 | 3.60 | 0.97 | 0.98 | 0.98 | + 7.39 | - 25.12 | + 1.79 | - 0.47 |
| 807 | 14.59 | 14.58 | 14.58 | 0.53 | 0.54 | 0.54 | - 18.20 | + 39.17 | + 0.59 | + 1.02 |
| 1567 | 5.29 | 5.24 | 5.24 | 0.81 | 0.83 | 0.83 | + 13.43 | + 6.43 | + 1.14 | - 2.79 |
| 1568 | 26.32 | 26.21 | 26.20 | 0.50 | 0.51 | 0.51 | - 13.68 | + 40.15 | + 0.63 | + 0.91 |
| 1570 | 10.18 | 10.14 | 10.15 | 0.69 | 0.72 | 0.72 | + 6.71 | - 4.40 | - 0.17 | - 0.05 |
| 817 | 18.69 | 18.56 | 18.55 | 0.46 | 0.46 | 0.46 | + 44.80 | + 10.03 | - 0.50 | - 0.11 |
| 815 | 4.24 | 4.65 | 4.85 | 0.72 | 0.80 | 0.84 | + 14.31 | - 19.52 | + 1.90 | - 0.45 |
| 1572 | 0.65 | 0.64 | 0.64 | 0.47 | 0.47 | 0.47 | + 7.66 | + 26.16 | - 0.59 | + 0.38 |
| 1571 | 6.44 | 6.52 | 6.53 | 0.69 | 0.71 | 0.71 | + 6.09 | + 24.76 | + 0.39 | + 0.41 |
| 818 | 10.90 | 11.06 | 11.10 | 0.79 | 0.80 | 0.80 | + 11.90 | - 34.68 | + 1.85 | + 0.28 |
| 1574 | 7.29 | 7.09 | 6.98 | 0.73 | 0.78 | 0.80 | - 6.22 | - 12.27 | + 1.17 | - 0.51 |
| 1573 | 63.92 | 63.95 | 63.95 | 0.78 | 0.78 | 0.78 | + 13.49 | + 13.75 | + 1.68 | - 2.99 |
| 1576 | 25.13 | 25.11 | 25.11 | 0.96 | 0.98 | 0.98 | + 18.51 | - 35.24 | + 2.10 | + 0.09 |
| 823 | 5.83 | 6.31 | 6.37 | 0.68 | 0.70 | 0.70 | + 29.06 | + 1.23 | - 0.44 | + 0.07 |
| 1577 | 35.91 | 36.12 | 36.15 | 0.80 | 0.81 | 0.81 | + 17.19 | - 35.28 | + 1.97 | + 0.29 |
| 1579 | 2.50 | 2.72 | 2.84 | 0.75 | 0.76 | 0.77 | + 7.02 | - 0.20 | - 0.20 | - 0.11 |
| 1580 | 27.81 | 27.77 | 27.77 | 0.80 | 0.81 | 0.81 | - 2.74 | - 9.96 | + 1.58 | + 0.03 |
| 825 | 275.79 | 275.76 | 275.76 | 0.68 | 0.69 | 0.69 | - 9.40 | + 16.69 | - 1.19 | - 2.11 |
| 830 | 10.25 | 10.25 | 10.25 | 0.47 | 0.47 | 0.47 | - 11.94 | + 40.00 | - 0.55 | + 0.10 |
| 827 | 4.56 | 4.38 | 4.30 | 0.80 | 0.82 | 0.83 | - 3.09 | - 3.07 | + 1.38 | - 0.33 |
| 1581 | 13.19 | 13.20 | 13.20 | 0.76 | 0.78 | 0.78 | - 13.15 | - 10.43 | + 0.94 | - 2.17 |
| 828 | 19.23 | 18.93 | 18.90 | 0.89 | 0.94 | 0.95 | + 18.90 | - 32.56 | + 2.10 | + 0.27 |
| 837 | 8.66 | 8.64 | 8.64 | 0.44 | 0.44 | 0.44 | + 28.01 | + 17.69 | - 0.81 | - 0.32 |
| 835 | 12.90 | 12.94 | 12.96 | 0.60 | 0.62 | 0.62 | + 8.60 | + 27.74 | + 0.46 | + 0.26 |
| 836 | 4.38 | 4.48 | 4.49 | 0.50 | 0.50 | 0.50 | + 2.76 | + 29.42 | + 0.12 | + 0.46 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|---------|------------------------------------|----------------------------------|---|---|-----------|----------|----------|--------------|----------|----------------|
| FK6 No. | $\epsilon_{\alpha^*,sys}$ [mas] | $\epsilon_{\delta,sys}$ [mas] | $\epsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\epsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 776 | 10.24 | 7.83 | 0.31 | 0.23 | 1 | 1.88 | 1.33 | 1.75 | 2.55 | 479 |
| 775 | 11.75 | 10.12 | 0.38 | 0.28 | 1 | 1.26 | 1.93 | 1.11 | 2.34 | |
| 779 | 8.20 | 7.18 | 0.25 | 0.20 | 1 | 0.57 | 1.06 | 0.29 | 0.58 | 480 |
| 1544 | 10.74 | 8.34 | 0.33 | 0.24 | 1 | 0.42 | 1.94 | 0.69 | 1.86 | |
| 781 | 7.30 | 6.43 | 0.25 | 0.16 | 1 | 1.35 | 0.95 | 0.84 | 2.30 | 481 |
| 1543 | 7.23 | 6.26 | 0.25 | 0.17 | 1 | 3.36 | 3.55 | 3.37 | 0.37 | 482 |
| 1545 | 6.55 | 6.36 | 0.24 | 0.17 | 1 | 1.26 | 0.91 | 1.88 | 1.95 | 483 |
| 1546 | 8.29 | 6.90 | 0.25 | 0.20 | 1 | 1.85 | 2.15 | 1.39 | 0.05 | 484 |
| 786 | 8.44 | 6.95 | 0.27 | 0.19 | 1 | 3.40 | 3.79 | 3.48 | 1.25 | 485 |
| 1548 | 7.70 | 6.63 | 0.24 | 0.19 | 1 | 0.89 | 0.82 | 1.54 | 1.06 | 486 |
| 1549 | 7.97 | 6.91 | 0.24 | 0.20 | 1 | 0.54 | 0.40 | 0.94 | 0.42 | |
| 789 | 6.99 | 6.01 | 0.25 | 0.17 | 1 | 1.81 | 1.98 | 1.79 | 1.92 | 487 |
| 790 | 9.12 | 7.33 | 0.26 | 0.22 | 1 | 0.73 | 4.54 | 2.59 | 3.85 | 488 |
| 795 | 14.38 | 13.02 | 0.51 | 0.34 | 1 | 1.80 | 0.85 | 1.44 | 2.14 | 489 |
| 1552 | 7.69 | 6.53 | 0.23 | 0.19 | 1 | 1.58 | 1.83 | 1.74 | 2.41 | 490 |
| 1553 | 6.35 | 6.12 | 0.24 | 0.17 | 1 | 2.20 | 1.41 | 1.52 | 1.67 | 491 |
| 923 | 21.07 | 17.85 | 0.72 | 0.52 | 1 | 2.19 | 0.37 | 0.86 | 2.35 | |
| 794 | 7.53 | 6.13 | 0.24 | 0.18 | 1 | 1.02 | 1.25 | 1.95 | 0.23 | |
| 1554 | 12.46 | 9.60 | 0.41 | 0.31 | 1 | 4.22 | 1.14 | 1.31 | 3.74 | 492 |
| 1557 | 9.55 | 7.25 | 0.28 | 0.22 | 1 | 2.27 | 1.26 | 3.04 | 2.66 | |
| 801 | 7.88 | 7.44 | 0.27 | 0.21 | 1 | 3.02 | 3.45 | 3.51 | 0.62 | 493 |
| 803 | 10.67 | 9.31 | 0.37 | 0.24 | 1 | 2.57 | 3.08 | 2.57 | 1.04 | 494 |
| 1561 | 7.47 | 6.52 | 0.24 | 0.19 | 1 | 1.57 | 1.15 | 0.61 | 2.70 | 495 |
| 1563 | 9.39 | 8.20 | 0.34 | 0.24 | 1 | 2.18 | 2.24 | 2.30 | 1.13 | |
| 805 | 10.98 | 9.98 | 0.40 | 0.28 | 1 | 1.57 | 1.55 | 1.08 | 2.36 | 496 |
| 1564 | 6.93 | 6.29 | 0.26 | 0.17 | 1 | 2.78 | 3.82 | 2.56 | 1.24 | 497 |
| 807 | 9.47 | 7.03 | 0.28 | 0.21 | 1 | 1.77 | 0.61 | 2.44 | 2.24 | 498 |
| 1567 | 9.58 | 7.10 | 0.28 | 0.21 | 1 | 1.80 | 2.37 | 1.95 | 0.73 | 499 |
| 1568 | 9.42 | 7.04 | 0.29 | 0.21 | 1 | 1.89 | 1.51 | 1.89 | 1.88 | |
| 1570 | 7.94 | 6.87 | 0.26 | 0.20 | 1 | 2.06 | 3.02 | 1.01 | 2.63 | 500 |
| 817 | 11.79 | 9.96 | 0.42 | 0.30 | 1 | 7.08 | 6.01 | 7.33 | 2.85 | |
| 815 | 7.13 | 6.57 | 0.27 | 0.18 | 1 | 2.50 | 1.07 | 0.69 | 2.44 | 501 |
| 1572 | 10.29 | 8.90 | 0.36 | 0.24 | 1 | 1.90 | 1.48 | 2.14 | 2.79 | 502 |
| 1571 | 8.58 | 7.05 | 0.29 | 0.21 | 1 | 1.59 | 0.13 | 1.57 | 1.54 | 503 |
| 818 | 7.48 | 6.47 | 0.26 | 0.18 | 1 | 1.88 | 1.96 | 1.78 | 2.08 | 504 |
| 1574 | 7.03 | 6.25 | 0.25 | 0.17 | 1 | 2.14 | 0.94 | 2.34 | 1.92 | 505 |
| 1573 | 9.45 | 7.38 | 0.29 | 0.21 | 1 | 0.65 | 1.18 | 1.27 | 0.73 | 506 |
| 1576 | 7.94 | 7.08 | 0.29 | 0.21 | 1 | 1.58 | 1.20 | 2.78 | 1.77 | |
| 823 | 7.79 | 6.99 | 0.28 | 0.19 | 1 | 3.63 | 4.08 | 1.68 | 2.87 | 507 |
| 1577 | 7.60 | 6.72 | 0.26 | 0.19 | 1 | 2.31 | 1.83 | 1.93 | 1.07 | 508 |
| 1579 | 7.96 | 7.12 | 0.27 | 0.20 | 1 | 1.05 | 2.54 | 1.46 | 1.32 | |
| 1580 | 7.41 | 6.34 | 0.26 | 0.17 | 1 | 1.65 | 1.10 | 1.13 | 2.34 | |
| 825 | 10.70 | 8.76 | 0.39 | 0.25 | 1 | 2.30 | 3.93 | 4.36 | 1.34 | |
| 830 | 10.73 | 9.40 | 0.37 | 0.24 | 1 | 2.21 | 0.74 | 1.79 | 2.84 | |
| 827 | 7.03 | 6.56 | 0.25 | 0.17 | 1 | 1.01 | 1.41 | 2.84 | 1.60 | 509 |
| 1581 | 9.06 | 7.72 | 0.32 | 0.22 | 1 | 2.96 | 1.83 | 2.29 | 2.44 | |
| 828 | 7.58 | 6.87 | 0.26 | 0.20 | 1 | 2.15 | 1.95 | 0.86 | 4.83 | 510 |
| 837 | 12.45 | 10.02 | 0.41 | 0.30 | 1 | 0.49 | 2.65 | 1.69 | 2.46 | 511 |
| 835 | 8.52 | 7.69 | 0.30 | 0.21 | 1 | 4.70 | 2.82 | 6.11 | 2.85 | |
| 836 | 10.91 | 8.52 | 0.36 | 0.24 | 1 | 2.42 | 2.73 | 3.76 | 3.59 | 512 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------|------------|--------------------------------|-----------------------------|-----------------------------|--|--------------------------------------|
| FK6 No. | HIP No. | Name | α (SI) 2000 h m s | δ (SI) 2000 ° ′ ″ | μ_{α^*} (SI) 2000 [mas/yr] | μ_{δ} (SI) 2000 [mas/yr] |
| 838 | 109789 | λ PsA | 22 14 18.751 162 | - 27 46 0.865 42 | + 22.54 | + 2.09 |
| 1582 | 109822 | 125 G. Aqr | 22 14 38.220 586 | - 15 49 6.714 34 | - 3.72 | - 356.67 |
| 840 | 110003 | ϑ Aqr | 22 16 50.036 983 | - 7 46 59.843 09 | + 119.91 | - 21.67 |
| 839 | 110256 | ε Oct | 22 20 1.676 018 | - 80 26 23.091 26 | + 55.76 | - 43.02 |
| 843 | 110386 | 31 Peg | 22 21 31.074 891 | + 12 12 18.669 99 | + 6.00 | + 5.55 |
| 1584 | 110391 | 47 Aqr | 22 21 35.568 976 | - 21 35 53.625 34 | - 10.33 | - 84.29 |
| 1585 | 110672 | π Aqr | 22 25 16.622 993 | + 1 22 38.636 60 | + 18.07 | + 2.71 |
| 1586 | 110696 | ρ 22 ^h 97 Peg | 22 25 40.699 497 | + 18 26 39.524 68 | + 28.86 | + 27.45 |
| 1587 | 110935 | 72 G. Ind | 22 28 37.671 894 | - 67 29 20.614 22 | + 151.44 | - 70.85 |
| 1588 | 110986 | 36 Peg | 22 29 7.982 565 | + 9 7 44.525 98 | + 50.86 | - 20.13 |
| 1589 | 110992 | ρ 22 ^h 120 Peg | 22 29 10.227 337 | + 26 45 47.519 48 | + 25.75 | - 3.86 |
| 1593 | 111056 | ϱ Cep | 22 29 52.977 981 | + 78 49 27.429 05 | + 3.26 | - 21.18 |
| 1670 | 111196 | ν Oct | 22 31 37.523 824 | - 85 58 2.108 20 | - 36.66 | + 61.62 |
| 1594 | 111242 | Grb 3834 Cep | 22 32 16.228 162 | + 76 13 35.195 70 | - 19.11 | - 10.32 |
| 849 | 111449 | ν Aqr | 22 34 41.636 518 | - 20 42 29.570 94 | + 220.93 | - 145.90 |
| 850 | 111497 | η Aqr | 22 35 21.381 349 | - 0 7 2.991 06 | + 89.86 | - 56.07 |
| 851 | 111532 | 31 Cep | 22 35 46.134 797 | + 73 38 35.468 85 | + 172.87 | + 24.14 |
| 1595 | 111710 | κ Aqr | 22 37 45.380 648 | - 4 13 40.996 94 | - 69.01 | - 120.04 |
| 853 | 111797 | 30 Cep | 22 38 39.052 073 | + 63 35 4.089 85 | - 1.92 | - 21.33 |
| 852 | 111841 | 10 Lac | 22 39 15.678 726 | + 39 3 0.975 00 | - 0.26 | - 5.00 |
| 855 | 112029 | ζ Peg | 22 41 27.720 872 | + 10 49 52.907 42 | + 77.50 | - 11.52 |
| 856 | 112122 | β Gru | 22 42 40.050 033 | - 46 53 4.476 82 | + 134.93 | - 4.51 |
| 1669 | 112355 | B Oct | 22 45 30.250 624 | - 88 49 5.859 12 | + 23.17 | - 35.72 |
| 1596 | 112358 | 45 Peg | 22 45 28.176 333 | + 19 21 59.611 06 | - 26.52 | + 56.93 |
| 859 | 112440 | λ Peg | 22 46 31.878 787 | + 23 33 56.361 41 | + 57.18 | - 9.65 |
| 1598 | 112520 | -2°5826 Aqr | 22 47 29.755 277 | - 1 47 19.629 68 | + 0.48 | - 11.61 |
| 1597 | 112529 | 68 Aqr | 22 47 33.123 837 | - 19 36 48.145 99 | - 102.83 | - 205.47 |
| 860 | 112623 | ε Gru | 22 48 33.297 241 | - 51 19 0.723 60 | + 107.28 | - 67.52 |
| 861 | 112716 | τ Aqr | 22 49 35.501 717 | - 13 35 33.469 64 | - 13.53 | - 38.20 |
| 863 | 112724 | ι Cep | 22 49 40.816 896 | + 66 12 1.468 35 | - 65.91 | - 124.67 |
| 862 | 112748 | μ Peg | 22 50 0.193 554 | + 24 36 5.696 85 | + 145.27 | - 42.11 |
| 1599 | 112832 | 69 G. Gru | 22 51 2.159 648 | - 39 9 24.604 41 | + 18.55 | - 6.90 |
| 1649 | 113116 | 36 H. Cep | 22 54 24.966 995 | + 84 20 46.232 99 | + 98.40 | + 23.56 |
| 865 | 113137 | ϱ Ind | 22 54 39.482 754 | - 70 4 25.350 42 | - 43.48 | + 73.33 |
| 1600 | 113174 | +36°4956 Lac | 22 55 2.647 201 | + 37 4 36.576 09 | + 86.50 | + 9.03 |
| 870 | 113881 | β Peg | 23 3 46.457 819 | + 28 4 58.037 39 | + 188.20 | + 137.22 |
| 1602 | 113889 | β Psc | 23 3 52.613 485 | + 3 49 12.163 43 | + 11.91 | - 10.10 |
| 871 | 113963 | α Peg | 23 4 45.654 086 | + 15 12 18.960 94 | + 61.59 | - 41.53 |
| 1603 | 114144 | 55 Peg | 23 7 0.260 585 | + 9 24 34.170 06 | + 8.07 | - 12.73 |
| 1604 | 114210 | 5 And | 23 7 45.384 045 | + 49 17 44.791 82 | + 152.08 | + 131.90 |
| 873 | 114341 | 88 Aqr | 23 9 26.795 908 | - 21 10 20.683 19 | + 54.05 | + 30.28 |
| 1606 | 114520 | 59 Peg | 23 11 44.189 756 | + 8 43 12.416 27 | - 8.59 | - 5.03 |
| 875 | 114622 | Br 3077 Cas | 23 13 16.975 950 | + 57 10 6.078 29 | + 2075.00 | + 294.70 |
| 876 | 114948 | 25 G. Tuc | 23 16 57.687 241 | - 62 0 4.309 47 | + 176.17 | - 25.76 |
| 878 | 114971 | γ Psc | 23 17 9.937 761 | + 3 16 56.240 53 | + 760.13 | + 18.02 |
| 879 | 115102 | γ Scl | 23 18 49.439 687 | - 32 31 55.256 70 | + 18.48 | - 73.97 |
| 880 | 115250 | τ Peg | 23 20 38.243 382 | + 23 44 25.225 47 | + 31.71 | - 7.71 |
| 1610 | 115280 | 12 And | 23 20 53.264 975 | + 38 10 56.378 16 | + 129.71 | - 60.75 |
| 1611 | 115312 | 11 G. Scl | 23 21 15.498 939 | - 26 59 12.364 37 | - 18.38 | - 10.82 |
| 1612 | 115438 | 98 Aqr | 23 22 58.226 621 | - 20 6 2.093 70 | - 120.49 | - 97.31 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|---------------------------------------|--|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | $\varepsilon_{\alpha*}$ (SI) [mas] | $\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 838 | 91.06 | 0.62 | 0.45 | 91.07 | 0.51 | 0.42 | 6.42 | 0.85 | H | - 5.8 | 5.45 | | 11 | 1 | 3 |
| 1582 | 91.37 | 0.72 | 0.41 | 91.47 | 0.58 | 0.43 | 26.19 | 0.82 | H | + 11.9 | 6.55 | | 11 | 1 | 3 |
| 840 | 91.15 | 0.64 | 0.21 | 91.11 | 0.51 | 0.20 | 17.04 | 0.74 | H | - 14.7 | 4.17 | | 11 | 1 | 3 |
| 839 | 91.07 | 0.43 | 0.43 | 91.29 | 0.45 | 0.40 | 12.15 | 0.54 | H | + 11.7 | 5.09 | 2 | 33 | | |
| 843 | 91.39 | 0.64 | 0.31 | 91.47 | 0.49 | 0.31 | 3.36 | 0.79 | H | + 9.6 | 4.82 | 2 | 19 | | 1 |
| 1584 | 91.19 | 0.75 | 0.39 | 91.47 | 0.57 | 0.36 | 17.81 | 0.87 | H | + 48.7 | 5.12 | | 11 | 1 | 3 |
| 1585 | 91.25 | 0.70 | 0.28 | 91.37 | 0.42 | 0.25 | 2.96 | 0.71 | H | + 4.0 | 4.80 | 1 | 39 | | |
| 1586 | 91.02 | 0.60 | 0.37 | 91.51 | 0.51 | 0.41 | 5.74 | 0.79 | H | + 22.3 | 6.26 | | 31 | | |
| 1587 | 91.31 | 0.42 | 0.43 | 91.36 | 0.40 | 0.36 | 22.96 | 0.60 | H | - 17.0 | 5.56 | | 11 | 1 | 3 |
| 1588 | 91.18 | 0.66 | 0.41 | 91.15 | 0.50 | 0.38 | 5.63 | 0.85 | H | - 30.2 | 5.60 | | 29 | 2 | |
| 1589 | 91.05 | 0.53 | 0.34 | 91.22 | 0.45 | 0.35 | 2.97 | 0.66 | H | - 45.3 | 5.79 | | 39 | | |
| 1593 | 91.22 | 0.46 | 0.42 | 91.23 | 0.42 | 0.36 | 13.75 | 0.52 | H | + 1.0 | 5.45 | | 18 | | |
| 1670 | 91.24 | 0.42 | 0.35 | 91.33 | 0.42 | 0.31 | 9.88 | 0.51 | H | + 19.0 | 5.76 | | 39 | | |
| 1594 | 91.06 | 0.45 | 0.30 | 91.12 | 0.41 | 0.29 | 4.43 | 0.49 | H | - 22.0 | 5.70 | | 28 | 2 | |
| 849 | 91.33 | 0.66 | 0.36 | 91.33 | 0.46 | 0.33 | 43.97 | 0.75 | H | - 2.8 | 5.21 | | 11 | 1 | 3 |
| 850 | 91.06 | 0.69 | 0.21 | 91.48 | 0.50 | 0.22 | 17.77 | 0.82 | H | - 8.0 | 4.04 | | 19 | | 1 |
| 851 | 91.39 | 0.42 | 0.29 | 91.37 | 0.41 | 0.27 | 17.70 | 0.50 | H | + 0.1 | 5.08 | | 39 | | |
| 1595 | 91.26 | 0.74 | 0.29 | 91.41 | 0.46 | 0.27 | 13.92 | 0.75 | H | + 8.2 | 5.04 | | 15 | 1 | 3 |
| 853 | 91.14 | 0.43 | 0.30 | 91.32 | 0.42 | 0.30 | 10.20 | 0.51 | H | + 11.0 | 5.19 | | 28 | 2 | |
| 852 | 91.00 | 0.48 | 0.29 | 91.35 | 0.44 | 0.29 | 3.08 | 0.62 | H | - 9.7 | 4.89 | | 19 | | 1 |
| 855 | 91.10 | 0.60 | 0.23 | 91.62 | 0.45 | 0.22 | 15.64 | 0.75 | H | + 7.0 | 3.41 | | 19 | | 1 |
| 856 | 91.18 | 0.58 | 0.45 | 91.34 | 0.49 | 0.38 | 19.17 | 0.75 | H | + 1.6 | 2.07 | 2 | 13 | | |
| 1669 | 91.06 | 0.47 | 0.39 | 91.15 | 0.43 | 0.32 | 9.99 | 0.54 | H | + 14.9 | 6.55 | 1 | 21 | 2 | |
| 1596 | 91.28 | 0.74 | 0.36 | 91.40 | 0.50 | 0.35 | 9.29 | 0.87 | H | - 21.8 | 6.27 | | 19 | | 1 |
| 859 | 91.07 | 0.58 | 0.25 | 91.17 | 0.46 | 0.25 | 8.26 | 0.70 | H | - 4.1 | 3.97 | | 11 | 1 | 3 |
| 1598 | 91.36 | 0.82 | 0.41 | 91.56 | 0.60 | 0.43 | 4.85 | 1.06 | H | + 18.6 | 7.44 | | 11 | 1 | 3 |
| 1597 | 91.24 | 0.73 | 0.45 | 91.49 | 0.48 | 0.40 | 12.26 | 0.87 | H | + 23.3 | 5.24 | | 11 | 1 | 3 |
| 860 | 91.34 | 0.51 | 0.42 | 91.26 | 0.44 | 0.37 | 25.16 | 0.68 | H | - 0.1 | 3.49 | | 29 | 2 | |
| 861 | 91.26 | 0.95 | 0.30 | 91.48 | 0.54 | 0.31 | 8.58 | 0.98 | H | + 1.0 | 4.05 | 1 | 35 | | |
| 863 | 91.06 | 0.44 | 0.28 | 91.27 | 0.41 | 0.23 | 28.27 | 0.52 | H | - 12.9 | 3.50 | | 31 | | |
| 862 | 91.03 | 0.57 | 0.25 | 91.31 | 0.47 | 0.26 | 27.95 | 0.77 | H | + 14.1 | 3.51 | | 31 | | |
| 1599 | 91.01 | 0.56 | 0.47 | 91.24 | 0.45 | 0.40 | 2.95 | 0.69 | H | + 27.3 | 5.43 | | 31 | | |
| 1649 | 91.37 | 0.45 | 0.38 | 91.31 | 0.39 | 0.28 | 8.35 | 0.48 | H | + 2.9 | 4.70 | | 21 | 2 | |
| 865 | 91.38 | 0.42 | 0.37 | 91.50 | 0.41 | 0.32 | 37.71 | 0.58 | H | - 3.0 | 6.04 | | 11 | 1 | 3 |
| 1600 | 91.29 | 0.50 | 0.36 | 91.29 | 0.37 | 0.33 | 24.24 | 0.68 | H | - 27.5 | 5.91 | | 21 | 2 | |
| 870 | 91.08 | 0.45 | 0.25 | 91.41 | 0.45 | 0.26 | 16.37 | 0.72 | H | + 8.7 | 2.44 | 2 | 13 | | |
| 1602 | 91.32 | 0.72 | 0.35 | 91.00 | 0.56 | 0.33 | 6.62 | 0.81 | H | + 0.3 | 4.48 | 1 | 11 | 1 | 3 |
| 871 | 91.01 | 0.60 | 0.21 | 91.16 | 0.43 | 0.21 | 23.36 | 0.76 | H | - 2.2 | 2.49 | | 39 | | |
| 1603 | 91.53 | 0.77 | 0.39 | 91.18 | 0.50 | 0.34 | 10.13 | 0.87 | H | - 5.4 | 4.54 | 1 | 11 | 1 | 3 |
| 1604 | 91.26 | 0.38 | 0.31 | 91.31 | 0.44 | 0.32 | 29.33 | 0.62 | H | - 2.0 | 5.68 | | 19 | | 1 |
| 873 | 91.11 | 0.79 | 0.32 | 91.21 | 0.58 | 0.34 | 13.96 | 0.94 | H | + 21.1 | 3.68 | | 11 | 1 | 3 |
| 1606 | 91.35 | 0.71 | 0.37 | 91.08 | 0.52 | 0.34 | 12.89 | 0.80 | H | + 10.0 | 5.15 | | 39 | | |
| 875 | 91.14 | 0.47 | 0.30 | 91.38 | 0.51 | 0.27 | 153.24 | 0.65 | H | - 18.5 | 5.57 | | 25 | 2 | |
| 876 | 91.22 | 0.41 | 0.41 | 91.24 | 0.39 | 0.35 | 48.60 | 0.60 | H | - 1.8 | 5.64 | 1 | 11 | 1 | 3 |
| 878 | 90.81 | 0.79 | 0.22 | 91.00 | 0.56 | 0.21 | 24.92 | 0.89 | H | - 13.6 | 3.70 | | 19 | | 1 |
| 879 | 91.55 | 0.64 | 0.45 | 91.38 | 0.54 | 0.44 | 18.24 | 0.80 | H | + 15.5 | 4.41 | | 21 | 2 | |
| 880 | 91.10 | 0.49 | 0.24 | 91.34 | 0.49 | 0.25 | 19.50 | 0.73 | H | + 16.0 | 4.58 | 1 | 39 | | |
| 1610 | 91.15 | 0.57 | 0.37 | 91.57 | 0.50 | 0.34 | 23.59 | 0.77 | H | - 8.7 | 5.77 | | 39 | | |
| 1611 | 91.34 | 0.65 | 0.50 | 91.26 | 0.58 | 0.48 | 9.92 | 0.87 | H | + 16.1 | 5.65 | 1 | 11 | 1 | 3 |
| 1612 | 91.15 | 0.67 | 0.33 | 91.11 | 0.52 | 0.32 | 20.14 | 0.72 | H | - 6.5 | 3.96 | | 29 | 2 | |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------------|--|---------|---------|----------|--------------------------------------|---------|---------|----------|
| FK6 No. | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 838 | + 1.37 | + 2.44 | + 3.08 | + 47.02 | + 1.93 | - 1.52 | - 1.80 | + 0.85 |
| 1582 | + 3.72 | - 10.38 | - 11.92 | + 13.75 | - 2.16 | - 1.79 | - 2.15 | - 19.38 |
| 840 | - 9.73 | - 7.71 | - 8.33 | - 39.68 | - 9.78 | - 1.95 | - 2.04 | - 56.49 |
| 839 | - 12.49 | + 4.46 | + 5.35 | - 72.85 | - 3.94 | + 1.84 | + 2.10 | - 21.81 |
| 843 | + 3.67 | + 1.16 | + 1.76 | + 44.00 | + 2.10 | - 0.01 | - 0.08 | + 39.34 |
| 1584 | + 5.36 | - 6.89 | - 8.80 | + 34.13 | - 6.38 | - 1.72 | - 2.30 | - 65.69 |
| 1585 | - 0.91 | + 1.93 | + 2.83 | - 12.40 | - 5.38 | + 4.41 | + 5.53 | - 98.61 |
| 1586 | - 4.84 | - 1.98 | - 1.84 | - 69.70 | - 3.71 | + 9.32 | + 12.28 | + 11.90 |
| 1587 | + 5.38 | - 0.16 | - 0.24 | + 52.15 | - 5.23 | + 1.38 | + 1.55 | + 10.54 |
| 1588 | + 8.78 | + 4.80 | + 6.62 | + 98.48 | - 6.12 | - 2.72 | - 3.22 | - 110.73 |
| 1589 | - 0.55 | + 2.30 | + 3.01 | + 11.36 | + 0.42 | - 3.58 | - 4.89 | - 50.07 |
| 1593 | + 5.22 | + 1.67 | + 1.85 | + 50.98 | - 1.29 | - 3.84 | - 4.27 | - 80.52 |
| 1670 | + 9.31 | - 7.54 | - 8.60 | + 107.47 | + 0.40 | - 2.92 | - 3.28 | - 40.58 |
| 1594 | + 3.34 | - 6.18 | - 7.51 | + 15.98 | + 1.00 | - 5.96 | - 7.01 | - 90.94 |
| 849 | - 6.20 | + 5.12 | + 5.63 | - 25.27 | + 9.16 | - 5.55 | - 5.80 | + 35.96 |
| 850 | - 10.71 | - 9.97 | - 11.39 | - 40.68 | + 1.26 | + 0.01 | - 0.24 | + 10.16 |
| 851 | - 0.47 | + 3.52 | + 3.78 | + 4.09 | - 1.07 | + 8.13 | + 8.56 | + 13.53 |
| 1595 | - 5.85 | + 4.53 | + 5.57 | - 29.98 | + 2.27 | - 3.32 | - 3.65 | + 11.50 |
| 853 | - 4.98 | + 6.36 | + 6.71 | - 1.32 | - 25.78 | + 8.69 | + 9.46 | - 175.35 |
| 852 | + 2.73 | - 0.10 | - 0.29 | + 41.86 | + 1.18 | - 4.66 | - 6.04 | - 16.33 |
| 855 | + 5.73 | - 1.00 | - 1.19 | + 20.25 | - 4.35 | + 4.17 | + 4.50 | - 19.97 |
| 856 | - 2.45 | + 5.79 | + 6.59 | + 28.82 | - 2.86 | - 0.20 | - 0.02 | - 86.36 |
| 1669 | + 0.87 | - 8.02 | - 9.18 | - 349.28 | - 2.00 | + 0.03 | + 0.11 | - 117.25 |
| 1596 | - 0.40 | + 3.14 | + 3.93 | - 0.79 | - 3.78 | + 8.14 | + 9.51 | - 14.37 |
| 859 | + 7.09 | - 1.39 | - 1.74 | + 42.74 | + 0.33 | - 6.34 | - 7.13 | - 8.40 |
| 1598 | + 0.73 | - 2.52 | - 2.67 | - 3.27 | - 1.59 | + 6.38 | + 9.82 | + 0.15 |
| 1597 | - 3.72 | + 4.54 | + 5.60 | - 25.62 | + 5.31 | - 3.66 | - 4.09 | + 37.62 |
| 860 | - 11.42 | + 9.54 | + 10.52 | - 32.54 | - 8.50 | + 12.91 | + 13.97 | + 109.84 |
| 861 | - 9.96 | + 2.93 | + 8.16 | - 75.70 | + 3.01 | - 3.31 | - 5.08 | + 32.84 |
| 863 | + 14.53 | - 1.53 | - 1.71 | + 53.93 | + 0.29 | - 0.63 | - 0.63 | + 0.84 |
| 862 | + 25.37 | - 9.30 | - 10.27 | + 81.62 | + 3.47 | - 10.50 | - 11.45 | + 12.98 |
| 1599 | + 4.20 | - 1.54 | - 2.62 | + 89.76 | - 5.39 | + 2.27 | + 3.49 | - 76.57 |
| 1649 | - 7.93 | + 0.25 | + 0.42 | - 103.73 | + 6.25 | + 2.67 | + 2.85 | + 168.47 |
| 865 | - 10.19 | + 2.32 | + 2.49 | - 41.57 | - 5.47 | - 1.09 | - 1.09 | - 103.71 |
| 1600 | - 17.20 | + 16.07 | + 17.55 | - 54.11 | - 14.31 | + 1.91 | + 2.09 | - 101.86 |
| 870 | + 10.08 | - 3.67 | - 3.93 | + 38.80 | + 6.61 | + 3.24 | + 3.32 | + 47.93 |
| 1602 | - 4.70 | + 6.00 | + 8.16 | - 34.33 | + 1.90 | - 0.44 | - 0.14 | + 20.05 |
| 871 | - 1.97 | - 4.13 | - 4.39 | - 6.15 | - 9.16 | - 8.52 | - 9.04 | - 43.49 |
| 1603 | + 0.40 | - 7.33 | - 11.26 | + 1.07 | - 3.36 | - 0.87 | - 0.39 | - 32.47 |
| 1604 | + 6.90 | + 0.61 | + 0.61 | + 27.90 | + 5.90 | + 1.46 | + 1.55 | + 37.84 |
| 873 | - 6.64 | + 13.44 | + 17.16 | - 39.79 | + 6.41 | + 6.68 | + 8.65 | + 64.74 |
| 1606 | - 8.84 | - 2.55 | - 2.89 | - 43.03 | + 2.01 | - 0.11 | - 0.20 | + 14.50 |
| 875 | - 11.57 | - 4.04 | - 4.22 | - 36.56 | + 27.77 | - 0.01 | - 0.09 | + 120.47 |
| 876 | - 6.06 | - 1.43 | - 1.52 | - 66.17 | + 6.29 | - 2.90 | - 3.16 | - 6.61 |
| 878 | - 0.51 | + 1.51 | + 1.97 | - 1.79 | - 3.60 | - 0.52 | - 0.52 | - 18.47 |
| 879 | - 18.46 | + 8.33 | + 8.99 | - 85.56 | + 31.11 | - 34.72 | - 39.45 | + 164.36 |
| 880 | + 3.34 | - 10.05 | - 10.85 | + 9.82 | + 7.84 | - 11.46 | - 12.32 | + 32.59 |
| 1610 | - 6.03 | - 1.30 | - 1.39 | - 26.39 | - 16.79 | - 3.69 | - 3.86 | - 140.26 |
| 1611 | + 9.37 | - 7.70 | - 10.47 | + 77.33 | - 2.83 | - 2.12 | - 3.46 | - 26.90 |
| 1612 | - 18.61 | + 1.66 | + 2.01 | - 103.97 | + 9.85 | + 5.04 | + 5.39 | + 113.68 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|---|--------|--------|--------|---------|---|--------|--------|--------|---------|
| FK6 | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| No. | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 838 | - 0.20 | + 0.27 | + 0.34 | + 0.56 | - 0.84 | + 0.27 | - 0.16 | - 0.19 | + 0.31 | + 0.36 |
| 1582 | + 0.32 | - 1.21 | - 1.39 | + 0.52 | + 0.26 | - 0.06 | - 0.20 | - 0.24 | - 0.31 | + 0.10 |
| 840 | - 0.05 | - 0.89 | - 0.96 | - 0.44 | + 0.30 | - 0.08 | - 0.23 | - 0.24 | - 0.60 | + 0.27 |
| 839 | - 1.18 | + 0.50 | + 0.60 | - 2.42 | - 0.69 | - 0.42 | + 0.21 | + 0.24 | - 0.73 | - 0.36 |
| 843 | + 0.05 | + 0.14 | + 0.21 | + 0.68 | - 0.43 | + 0.03 | + 0.00 | - 0.01 | + 0.56 | - 0.30 |
| 1584 | + 0.18 | - 0.79 | - 1.01 | + 0.64 | - 0.11 | - 0.09 | - 0.21 | - 0.28 | - 0.89 | + 0.39 |
| 1585 | - 0.05 | + 0.21 | + 0.31 | - 0.25 | + 0.03 | - 0.25 | + 0.51 | + 0.64 | - 1.49 | + 0.25 |
| 1586 | + 0.11 | - 0.21 | - 0.19 | - 1.08 | + 0.92 | - 0.61 | + 1.10 | + 1.45 | - 0.52 | - 0.97 |
| 1587 | + 0.18 | - 0.02 | - 0.03 | + 1.11 | - 0.47 | - 0.76 | + 0.16 | + 0.18 | - 0.59 | - 1.05 |
| 1588 | + 0.06 | + 0.56 | + 0.77 | + 1.67 | - 1.21 | + 0.05 | - 0.32 | - 0.38 | - 1.58 | + 1.20 |
| 1589 | - 0.16 | + 0.26 | + 0.34 | - 0.01 | - 0.36 | + 0.26 | - 0.41 | - 0.56 | - 0.46 | + 0.78 |
| 1593 | + 0.04 | + 0.19 | + 0.21 | + 0.82 | - 0.57 | + 0.52 | - 0.44 | - 0.49 | - 0.52 | + 1.36 |
| 1670 | + 0.78 | - 0.86 | - 0.98 | + 2.08 | + 0.42 | + 0.20 | - 0.33 | - 0.37 | - 0.23 | + 0.36 |
| 1594 | + 0.40 | - 0.70 | - 0.85 | + 0.65 | + 0.43 | + 0.46 | - 0.68 | - 0.80 | - 0.50 | + 1.04 |
| 849 | - 0.27 | + 0.61 | + 0.67 | - 0.56 | - 0.06 | + 0.71 | - 0.65 | - 0.68 | + 1.10 | + 0.51 |
| 850 | - 0.08 | - 1.14 | - 1.30 | - 0.46 | + 0.28 | - 0.01 | + 0.00 | - 0.03 | + 0.09 | - 0.06 |
| 851 | - 0.19 | + 0.42 | + 0.45 | - 0.13 | - 0.27 | - 0.40 | + 0.95 | + 1.00 | - 0.24 | - 0.54 |
| 1595 | - 0.13 | + 0.53 | + 0.65 | - 0.50 | + 0.13 | + 0.15 | - 0.39 | - 0.43 | + 0.28 | + 0.10 |
| 853 | - 0.77 | + 0.72 | + 0.76 | - 0.76 | - 0.92 | - 1.36 | + 1.01 | + 1.10 | - 3.47 | + 0.06 |
| 852 | + 0.04 | - 0.01 | - 0.03 | + 0.66 | - 0.33 | + 0.24 | - 0.54 | - 0.70 | + 0.09 | + 0.46 |
| 855 | + 0.09 | - 0.10 | - 0.12 | + 0.29 | - 0.13 | - 0.13 | + 0.50 | + 0.54 | - 0.31 | + 0.00 |
| 856 | - 0.74 | + 0.66 | + 0.75 | - 0.34 | - 1.30 | + 0.25 | - 0.02 | + 0.00 | - 0.81 | + 0.91 |
| 1669 | + 0.80 | - 0.90 | - 1.03 | - 2.69 | + 2.05 | + 0.01 | + 0.01 | + 0.02 | - 1.26 | + 0.27 |
| 1596 | - 0.07 | + 0.36 | + 0.45 | - 0.09 | - 0.09 | - 0.39 | + 0.95 | + 1.11 | - 0.60 | - 0.36 |
| 859 | + 0.11 | - 0.15 | - 0.19 | + 0.64 | - 0.30 | + 0.17 | - 0.72 | - 0.81 | + 0.09 | + 0.25 |
| 1598 | + 0.13 | - 0.30 | - 0.32 | + 0.10 | + 0.22 | - 0.23 | + 0.76 | + 1.17 | - 0.31 | - 0.38 |
| 1597 | - 0.24 | + 0.51 | + 0.63 | - 0.64 | - 0.04 | + 0.42 | - 0.43 | - 0.48 | + 0.95 | + 0.22 |
| 860 | - 1.26 | + 1.08 | + 1.19 | - 1.71 | - 1.19 | - 2.05 | + 1.47 | + 1.59 | - 0.67 | - 3.15 |
| 861 | - 0.13 | + 0.34 | + 0.95 | - 1.01 | + 0.54 | + 0.10 | - 0.39 | - 0.60 | + 0.48 | - 0.09 |
| 863 | + 0.26 | - 0.17 | - 0.19 | + 0.86 | - 0.35 | + 0.03 | - 0.07 | - 0.07 | + 0.04 | + 0.03 |
| 862 | + 0.49 | - 1.05 | - 1.16 | + 1.30 | - 0.38 | + 0.19 | - 1.22 | - 1.33 | + 0.32 | + 0.12 |
| 1599 | + 0.29 | - 0.17 | - 0.29 | + 1.95 | - 0.69 | - 0.56 | + 0.26 | + 0.40 | - 1.83 | - 0.22 |
| 1649 | - 0.22 | + 0.03 | + 0.05 | - 1.87 | + 0.60 | - 0.16 | + 0.31 | + 0.33 | + 2.00 | - 0.96 |
| 865 | - 0.79 | + 0.27 | + 0.29 | - 1.39 | - 0.41 | + 0.23 | - 0.13 | - 0.13 | - 1.14 | + 0.99 |
| 1600 | - 1.08 | + 1.85 | + 2.02 | - 1.83 | - 0.55 | - 0.39 | + 0.20 | + 0.22 | - 1.83 | + 0.53 |
| 870 | + 0.32 | - 0.41 | - 0.44 | + 0.74 | - 0.07 | - 0.08 | + 0.38 | + 0.39 | + 0.41 | - 0.48 |
| 1602 | - 0.21 | + 0.70 | + 0.95 | - 0.72 | + 0.12 | + 0.07 | - 0.06 | - 0.03 | + 0.31 | - 0.07 |
| 871 | + 0.01 | - 0.46 | - 0.49 | - 0.04 | + 0.08 | + 0.01 | - 0.97 | - 1.03 | - 0.34 | + 0.33 |
| 1603 | + 0.08 | - 0.87 | - 1.34 | + 0.13 | + 0.12 | + 0.01 | - 0.09 | - 0.03 | - 0.41 | + 0.32 |
| 1604 | + 0.01 | + 0.07 | + 0.07 | + 0.39 | - 0.54 | - 0.09 | + 0.17 | + 0.18 | + 0.39 | - 0.59 |
| 873 | - 0.23 | + 1.52 | + 1.94 | - 0.76 | + 0.07 | + 0.02 | + 0.75 | + 0.97 | + 0.75 | - 0.46 |
| 1606 | - 0.12 | - 0.30 | - 0.34 | - 0.71 | + 0.51 | + 0.04 | - 0.01 | - 0.02 | + 0.23 | - 0.09 |
| 875 | - 0.07 | - 0.46 | - 0.48 | - 0.46 | + 0.45 | + 0.40 | + 0.01 | + 0.00 | + 1.61 | - 0.61 |
| 876 | + 0.19 | - 0.16 | - 0.17 | - 0.87 | + 1.15 | + 0.92 | - 0.33 | - 0.36 | + 0.80 | + 1.14 |
| 878 | - 0.01 | + 0.17 | + 0.22 | - 0.02 | + 0.00 | - 0.04 | - 0.06 | - 0.06 | - 0.21 | + 0.06 |
| 879 | - 1.24 | + 1.08 | + 1.17 | - 2.37 | - 0.49 | + 2.87 | - 4.05 | - 4.60 | + 4.95 | + 2.18 |
| 880 | + 0.23 | - 1.14 | - 1.23 | + 0.34 | + 0.16 | + 0.40 | - 1.33 | - 1.43 | + 0.75 | + 0.20 |
| 1610 | - 0.07 | - 0.14 | - 0.15 | - 0.43 | + 0.33 | + 0.03 | - 0.44 | - 0.46 | - 1.80 | + 1.33 |
| 1611 | + 0.60 | - 0.89 | - 1.21 | + 1.88 | - 0.14 | - 0.18 | - 0.23 | - 0.38 | - 0.52 | + 0.06 |
| 1612 | - 0.29 | + 0.18 | + 0.22 | - 1.47 | + 0.74 | - 0.11 | + 0.57 | + 0.61 | + 1.22 | - 0.84 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------|------------|-------|-------|-------|--------------------------------|------|------|-------|--|------|------|------|---------|
| FK6 | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu, \alpha^*}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 838 | 86.50 | 91.13 | 91.13 | 61.29 | 8.78 | 0.63 | 0.63 | 22.07 | 0.58 | 0.68 | 0.75 | 0.97 | 0.74 |
| 1582 | 77.46 | 91.41 | 91.41 | 54.78 | 12.47 | 0.73 | 0.73 | 20.27 | 0.52 | 0.87 | 0.92 | 0.79 | 0.55 |
| 840 | 64.23 | 91.28 | 91.28 | 42.55 | 9.43 | 0.64 | 0.64 | 12.66 | 0.29 | 0.66 | 0.69 | 0.43 | 0.26 |
| 839 | 86.71 | 91.08 | 91.08 | 61.49 | 11.56 | 0.43 | 0.43 | 29.62 | 0.77 | 0.51 | 0.52 | 1.25 | 1.00 |
| 843 | 84.55 | 91.47 | 91.47 | 57.17 | 6.30 | 0.64 | 0.64 | 14.12 | 0.34 | 0.79 | 1.03 | 0.54 | 0.41 |
| 1584 | 78.29 | 91.29 | 91.29 | 53.23 | 11.64 | 0.76 | 0.76 | 19.93 | 0.48 | 1.01 | 1.12 | 0.73 | 0.52 |
| 1585 | 84.17 | 91.37 | 91.37 | 53.09 | 5.97 | 0.70 | 0.70 | 13.83 | 0.31 | 0.66 | 0.80 | 0.52 | 0.36 |
| 1586 | 84.19 | 91.08 | 91.08 | 60.94 | 7.96 | 0.60 | 0.60 | 16.51 | 0.47 | 0.59 | 0.64 | 0.78 | 0.55 |
| 1587 | 85.46 | 91.32 | 91.32 | 64.52 | 13.59 | 0.42 | 0.42 | 29.20 | 0.88 | 0.49 | 0.50 | 1.43 | 1.09 |
| 1588 | 84.63 | 91.22 | 91.22 | 62.11 | 7.92 | 0.67 | 0.67 | 16.62 | 0.48 | 0.84 | 0.99 | 0.76 | 0.57 |
| 1589 | 86.90 | 91.08 | 91.08 | 58.29 | 6.17 | 0.53 | 0.53 | 17.04 | 0.42 | 0.51 | 0.56 | 0.74 | 0.52 |
| 1593 | 83.25 | 91.23 | 91.23 | 59.66 | 11.36 | 0.46 | 0.46 | 22.57 | 0.60 | 0.60 | 0.62 | 0.95 | 0.72 |
| 1670 | 84.33 | 91.25 | 91.25 | 37.44 | 10.78 | 0.42 | 0.42 | 30.06 | 0.49 | 0.49 | 0.51 | 0.95 | 0.56 |
| 1594 | 84.94 | 91.08 | 91.08 | 46.65 | 7.44 | 0.45 | 0.45 | 19.80 | 0.38 | 0.48 | 0.51 | 0.68 | 0.45 |
| 849 | 74.30 | 91.36 | 91.36 | 51.14 | 13.00 | 0.66 | 0.66 | 19.99 | 0.47 | 0.76 | 0.79 | 0.69 | 0.50 |
| 850 | 63.42 | 91.21 | 91.21 | 41.84 | 9.47 | 0.69 | 0.69 | 12.61 | 0.28 | 0.86 | 0.92 | 0.41 | 0.26 |
| 851 | 75.29 | 91.42 | 91.42 | 51.97 | 11.02 | 0.42 | 0.42 | 17.28 | 0.41 | 0.47 | 0.48 | 0.61 | 0.44 |
| 1595 | 73.81 | 91.36 | 91.36 | 50.70 | 9.97 | 0.74 | 0.74 | 15.21 | 0.37 | 0.85 | 0.92 | 0.55 | 0.37 |
| 853 | 79.87 | 91.17 | 91.17 | 58.22 | 9.48 | 0.43 | 0.43 | 16.15 | 0.43 | 0.47 | 0.48 | 0.63 | 0.49 |
| 852 | 84.74 | 91.04 | 91.04 | 54.52 | 6.11 | 0.48 | 0.48 | 14.56 | 0.33 | 0.58 | 0.66 | 0.56 | 0.40 |
| 855 | 67.94 | 91.20 | 91.20 | 48.57 | 9.26 | 0.61 | 0.61 | 12.54 | 0.30 | 0.65 | 0.68 | 0.41 | 0.29 |
| 856 | 84.05 | 91.20 | 91.20 | 58.40 | 12.94 | 0.58 | 0.58 | 27.64 | 0.67 | 0.62 | 0.64 | 1.02 | 0.84 |
| 1669 | 86.37 | 91.07 | 91.07 | 22.44 | 11.19 | 0.47 | 0.47 | 42.10 | 0.54 | 0.53 | 0.55 | 1.15 | 0.61 |
| 1596 | 80.78 | 91.35 | 91.35 | 58.62 | 9.29 | 0.75 | 0.75 | 16.39 | 0.43 | 0.79 | 0.86 | 0.63 | 0.50 |
| 859 | 76.17 | 91.14 | 91.14 | 51.73 | 8.42 | 0.58 | 0.58 | 13.63 | 0.32 | 0.54 | 0.57 | 0.49 | 0.35 |
| 1598 | 85.57 | 91.41 | 91.41 | 55.47 | 7.70 | 0.82 | 0.82 | 19.25 | 0.47 | 0.85 | 1.07 | 0.85 | 0.54 |
| 1597 | 82.74 | 91.30 | 91.30 | 57.92 | 10.88 | 0.74 | 0.74 | 21.53 | 0.55 | 0.86 | 0.94 | 0.88 | 0.65 |
| 860 | 82.99 | 91.35 | 91.35 | 56.03 | 13.72 | 0.52 | 0.52 | 28.32 | 0.67 | 0.55 | 0.56 | 1.05 | 0.80 |
| 861 | 78.20 | 91.42 | 91.42 | 48.28 | 9.10 | 0.95 | 0.95 | 16.47 | 0.34 | 1.33 | 1.92 | 0.52 | 0.38 |
| 863 | 71.06 | 91.09 | 91.09 | 52.65 | 11.09 | 0.44 | 0.44 | 15.33 | 0.40 | 0.57 | 0.58 | 0.56 | 0.40 |
| 862 | 66.94 | 91.11 | 91.11 | 49.55 | 10.35 | 0.57 | 0.57 | 13.55 | 0.34 | 0.65 | 0.67 | 0.47 | 0.33 |
| 1599 | 89.44 | 91.03 | 91.03 | 63.66 | 6.38 | 0.56 | 0.56 | 25.25 | 0.62 | 0.57 | 0.63 | 1.07 | 0.92 |
| 1649 | 84.02 | 91.38 | 91.38 | 56.02 | 9.58 | 0.45 | 0.45 | 21.14 | 0.52 | 0.55 | 0.57 | 0.93 | 0.60 |
| 865 | 82.82 | 91.39 | 91.39 | 61.18 | 14.25 | 0.42 | 0.42 | 26.91 | 0.74 | 0.43 | 0.43 | 1.12 | 0.89 |
| 1600 | 76.97 | 91.31 | 91.31 | 61.61 | 11.19 | 0.50 | 0.50 | 16.13 | 0.52 | 0.60 | 0.62 | 0.74 | 0.54 |
| 870 | 72.20 | 91.13 | 91.13 | 51.20 | 10.10 | 0.46 | 0.46 | 14.65 | 0.35 | 0.51 | 0.52 | 0.51 | 0.37 |
| 1602 | 82.75 | 91.32 | 91.32 | 57.85 | 8.38 | 0.76 | 0.76 | 16.59 | 0.41 | 0.78 | 0.88 | 0.63 | 0.50 |
| 871 | 63.45 | 91.10 | 91.10 | 43.79 | 9.92 | 0.60 | 0.60 | 12.97 | 0.29 | 0.61 | 0.63 | 0.40 | 0.27 |
| 1603 | 80.64 | 91.63 | 91.63 | 59.12 | 9.56 | 0.78 | 0.78 | 16.56 | 0.45 | 1.15 | 1.41 | 0.68 | 0.51 |
| 1604 | 78.72 | 91.28 | 91.28 | 64.82 | 11.72 | 0.38 | 0.38 | 17.02 | 0.56 | 0.40 | 0.40 | 0.75 | 0.64 |
| 873 | 75.31 | 91.18 | 91.18 | 51.08 | 10.28 | 0.80 | 0.80 | 16.32 | 0.39 | 0.93 | 1.03 | 0.60 | 0.41 |
| 1606 | 78.74 | 91.42 | 91.42 | 60.91 | 9.84 | 0.73 | 0.73 | 15.32 | 0.45 | 0.90 | 0.98 | 0.65 | 0.50 |
| 875 | 70.16 | 91.20 | 91.20 | 55.06 | 11.62 | 0.48 | 0.48 | 15.23 | 0.42 | 0.67 | 0.69 | 0.57 | 0.42 |
| 876 | 83.24 | 91.22 | 91.22 | 62.29 | 14.68 | 0.41 | 0.41 | 27.92 | 0.80 | 0.47 | 0.48 | 1.22 | 0.97 |
| 878 | 61.46 | 91.01 | 91.01 | 42.36 | 9.79 | 0.79 | 0.79 | 12.55 | 0.29 | 1.17 | 1.30 | 0.41 | 0.26 |
| 879 | 82.46 | 91.56 | 91.56 | 57.20 | 12.43 | 0.65 | 0.65 | 24.44 | 0.59 | 0.75 | 0.79 | 0.88 | 0.71 |
| 880 | 69.19 | 91.16 | 91.16 | 52.44 | 9.66 | 0.49 | 0.49 | 12.82 | 0.35 | 0.52 | 0.53 | 0.49 | 0.33 |
| 1610 | 77.86 | 91.18 | 91.18 | 61.62 | 11.44 | 0.58 | 0.58 | 17.03 | 0.52 | 0.60 | 0.62 | 0.74 | 0.58 |
| 1611 | 85.82 | 91.31 | 91.31 | 61.24 | 10.48 | 0.66 | 0.66 | 24.61 | 0.64 | 0.80 | 0.89 | 0.99 | 0.82 |
| 1612 | 75.46 | 91.20 | 91.20 | 49.85 | 11.68 | 0.67 | 0.67 | 18.92 | 0.42 | 0.70 | 0.73 | 0.62 | 0.46 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| No. | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 838 | 87.30 | 91.16 | 91.16 | 53.71 | 9.04 | 0.53 | 0.53 | 27.91 | 0.58 | 0.58 | 0.62 | 1.01 | 0.75 |
| 1582 | 80.86 | 91.47 | 91.47 | 50.72 | 13.64 | 0.58 | 0.58 | 26.92 | 0.60 | 0.67 | 0.69 | 1.03 | 0.66 |
| 840 | 64.95 | 91.18 | 91.18 | 31.90 | 10.55 | 0.51 | 0.51 | 15.85 | 0.28 | 0.46 | 0.47 | 0.44 | 0.27 |
| 839 | 86.42 | 91.30 | 91.30 | 49.60 | 11.80 | 0.45 | 0.45 | 34.63 | 0.68 | 0.48 | 0.49 | 1.22 | 0.83 |
| 843 | 85.70 | 91.51 | 91.51 | 51.26 | 6.51 | 0.49 | 0.49 | 17.40 | 0.35 | 0.56 | 0.63 | 0.59 | 0.43 |
| 1584 | 79.45 | 91.55 | 91.55 | 46.19 | 12.31 | 0.57 | 0.57 | 24.04 | 0.48 | 0.66 | 0.70 | 0.81 | 0.53 |
| 1585 | 85.06 | 91.41 | 91.41 | 42.20 | 6.16 | 0.42 | 0.42 | 17.32 | 0.30 | 0.44 | 0.48 | 0.55 | 0.35 |
| 1586 | 86.18 | 91.54 | 91.54 | 55.60 | 8.40 | 0.51 | 0.51 | 22.18 | 0.52 | 0.65 | 0.71 | 0.92 | 0.62 |
| 1587 | 86.29 | 91.36 | 91.36 | 56.99 | 14.19 | 0.40 | 0.40 | 37.27 | 0.88 | 0.40 | 0.40 | 1.52 | 1.08 |
| 1588 | 85.46 | 91.16 | 91.16 | 56.30 | 8.21 | 0.52 | 0.52 | 20.20 | 0.47 | 0.61 | 0.66 | 0.77 | 0.58 |
| 1589 | 87.68 | 91.24 | 91.24 | 54.20 | 6.28 | 0.45 | 0.45 | 20.24 | 0.44 | 0.51 | 0.56 | 0.83 | 0.55 |
| 1593 | 84.26 | 91.24 | 91.24 | 50.77 | 11.95 | 0.42 | 0.42 | 28.77 | 0.58 | 0.47 | 0.48 | 0.94 | 0.71 |
| 1670 | 83.11 | 91.34 | 91.34 | 26.51 | 10.80 | 0.42 | 0.42 | 30.45 | 0.43 | 0.45 | 0.46 | 0.93 | 0.47 |
| 1594 | 85.99 | 91.13 | 91.13 | 34.99 | 7.64 | 0.41 | 0.41 | 24.99 | 0.37 | 0.43 | 0.45 | 0.69 | 0.45 |
| 849 | 77.01 | 91.33 | 91.33 | 46.72 | 14.10 | 0.47 | 0.47 | 24.93 | 0.51 | 0.47 | 0.48 | 0.81 | 0.56 |
| 850 | 64.22 | 91.54 | 91.54 | 27.22 | 10.88 | 0.50 | 0.50 | 16.75 | 0.28 | 0.64 | 0.67 | 0.48 | 0.26 |
| 851 | 73.86 | 91.40 | 91.40 | 40.26 | 11.60 | 0.41 | 0.41 | 19.87 | 0.37 | 0.47 | 0.48 | 0.61 | 0.39 |
| 1595 | 74.99 | 91.45 | 91.45 | 40.95 | 10.86 | 0.46 | 0.46 | 19.09 | 0.36 | 0.51 | 0.52 | 0.59 | 0.38 |
| 853 | 81.61 | 91.32 | 91.32 | 50.24 | 10.24 | 0.42 | 0.42 | 21.11 | 0.43 | 0.44 | 0.45 | 0.67 | 0.51 |
| 852 | 86.74 | 91.37 | 91.37 | 44.87 | 6.39 | 0.44 | 0.44 | 20.44 | 0.35 | 0.48 | 0.52 | 0.61 | 0.44 |
| 855 | 67.32 | 91.66 | 91.66 | 36.09 | 10.34 | 0.45 | 0.45 | 15.70 | 0.28 | 0.56 | 0.58 | 0.43 | 0.28 |
| 856 | 83.62 | 91.36 | 91.36 | 45.19 | 13.37 | 0.49 | 0.49 | 32.85 | 0.60 | 0.52 | 0.53 | 1.01 | 0.71 |
| 1669 | 84.32 | 91.16 | 91.16 | 21.72 | 11.01 | 0.43 | 0.43 | 34.88 | 0.46 | 0.44 | 0.45 | 1.08 | 0.50 |
| 1596 | 82.10 | 91.42 | 91.42 | 52.70 | 9.83 | 0.50 | 0.50 | 20.16 | 0.44 | 0.63 | 0.66 | 0.70 | 0.52 |
| 859 | 77.15 | 91.20 | 91.20 | 34.92 | 9.27 | 0.46 | 0.46 | 18.52 | 0.31 | 0.53 | 0.55 | 0.55 | 0.33 |
| 1598 | 86.77 | 91.58 | 91.58 | 49.87 | 7.91 | 0.61 | 0.61 | 23.80 | 0.49 | 0.82 | 1.01 | 0.95 | 0.57 |
| 1597 | 83.54 | 91.51 | 91.51 | 51.08 | 11.32 | 0.48 | 0.48 | 25.82 | 0.56 | 0.59 | 0.62 | 0.96 | 0.64 |
| 860 | 82.67 | 91.27 | 91.27 | 44.57 | 14.16 | 0.44 | 0.44 | 33.04 | 0.61 | 0.46 | 0.47 | 1.04 | 0.71 |
| 861 | 80.77 | 91.53 | 91.53 | 41.21 | 9.67 | 0.54 | 0.54 | 21.10 | 0.37 | 0.73 | 0.84 | 0.61 | 0.42 |
| 863 | 66.30 | 91.31 | 91.31 | 35.71 | 11.91 | 0.41 | 0.41 | 17.77 | 0.33 | 0.42 | 0.43 | 0.51 | 0.32 |
| 862 | 66.87 | 91.36 | 91.36 | 41.08 | 11.48 | 0.47 | 0.47 | 16.48 | 0.34 | 0.69 | 0.71 | 0.51 | 0.33 |
| 1599 | 89.79 | 91.25 | 91.25 | 53.54 | 6.46 | 0.45 | 0.45 | 32.83 | 0.60 | 0.46 | 0.49 | 1.08 | 0.87 |
| 1649 | 81.69 | 91.32 | 91.32 | 40.39 | 9.69 | 0.39 | 0.39 | 22.33 | 0.41 | 0.41 | 0.42 | 0.82 | 0.44 |
| 865 | 81.41 | 91.50 | 91.50 | 47.27 | 14.80 | 0.41 | 0.41 | 31.28 | 0.63 | 0.38 | 0.38 | 1.10 | 0.71 |
| 1600 | 79.17 | 91.30 | 91.30 | 54.75 | 12.71 | 0.37 | 0.37 | 22.09 | 0.56 | 0.43 | 0.44 | 0.91 | 0.60 |
| 870 | 72.96 | 91.44 | 91.44 | 41.70 | 11.08 | 0.45 | 0.45 | 18.24 | 0.34 | 0.54 | 0.56 | 0.52 | 0.37 |
| 1602 | 82.59 | 91.01 | 91.01 | 46.45 | 8.71 | 0.57 | 0.57 | 19.87 | 0.38 | 0.73 | 0.82 | 0.63 | 0.45 |
| 871 | 61.76 | 91.21 | 91.21 | 30.46 | 11.06 | 0.43 | 0.43 | 15.88 | 0.27 | 0.58 | 0.60 | 0.40 | 0.26 |
| 1603 | 80.51 | 91.26 | 91.26 | 51.97 | 9.95 | 0.52 | 0.52 | 19.03 | 0.42 | 0.68 | 0.74 | 0.67 | 0.48 |
| 1604 | 77.82 | 91.33 | 91.33 | 56.31 | 12.68 | 0.44 | 0.44 | 20.46 | 0.52 | 0.44 | 0.45 | 0.75 | 0.58 |
| 873 | 78.46 | 91.21 | 91.21 | 43.25 | 11.32 | 0.59 | 0.59 | 21.94 | 0.42 | 0.78 | 0.84 | 0.69 | 0.46 |
| 1606 | 78.17 | 91.12 | 91.12 | 52.30 | 10.47 | 0.52 | 0.52 | 18.07 | 0.43 | 0.71 | 0.75 | 0.69 | 0.47 |
| 875 | 67.27 | 91.47 | 91.47 | 43.41 | 12.71 | 0.52 | 0.52 | 17.95 | 0.39 | 0.52 | 0.53 | 0.58 | 0.37 |
| 876 | 83.10 | 91.24 | 91.24 | 51.19 | 15.40 | 0.39 | 0.39 | 34.16 | 0.72 | 0.41 | 0.41 | 1.19 | 0.85 |
| 878 | 60.41 | 91.08 | 91.08 | 30.27 | 11.00 | 0.56 | 0.56 | 15.47 | 0.28 | 0.76 | 0.79 | 0.46 | 0.25 |
| 879 | 83.39 | 91.39 | 91.39 | 47.47 | 13.07 | 0.54 | 0.54 | 30.82 | 0.59 | 0.69 | 0.72 | 0.95 | 0.70 |
| 880 | 69.95 | 91.38 | 91.38 | 44.02 | 10.90 | 0.50 | 0.50 | 16.23 | 0.35 | 0.51 | 0.52 | 0.54 | 0.34 |
| 1610 | 78.19 | 91.58 | 91.58 | 51.64 | 12.65 | 0.50 | 0.50 | 22.02 | 0.51 | 0.51 | 0.52 | 0.81 | 0.55 |
| 1611 | 86.48 | 91.23 | 91.23 | 53.12 | 10.83 | 0.58 | 0.58 | 30.61 | 0.63 | 0.75 | 0.82 | 1.04 | 0.80 |
| 1612 | 76.43 | 91.13 | 91.13 | 41.31 | 12.45 | 0.52 | 0.52 | 22.86 | 0.44 | 0.56 | 0.57 | 0.76 | 0.46 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|------------|-----------|--------|--------|-----------------------|------|------|---------------------------------|-------------------------------|--|--------------------------------------|
| FK6 No. | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ [mas] | $\Delta\delta_{sys}$ [mas] | $\Delta\mu_{\alpha^*,sys}$ [mas/yr] | $\Delta\mu_{\delta,sys}$ [mas/yr] |
| | SI | STP | HIP | SI | STP | HIP | | | | |
| 838 | 6.21 | 6.38 | 6.42 | 0.83 | 0.85 | 0.85 | + 8.98 | - 30.13 | + 3.31 | - 0.50 |
| 1582 | 26.27 | 26.20 | 26.19 | 0.81 | 0.82 | 0.82 | + 18.38 | - 30.45 | + 2.05 | + 0.28 |
| 840 | 17.28 | 17.06 | 17.04 | 0.72 | 0.74 | 0.74 | + 0.71 | - 19.02 | + 1.95 | + 0.17 |
| 839 | 12.21 | 12.16 | 12.15 | 0.54 | 0.54 | 0.54 | + 160.19 | + 6.32 | - 10.54 | - 1.25 |
| 843 | 3.34 | 3.36 | 3.36 | 0.78 | 0.79 | 0.79 | + 4.53 | - 3.52 | + 1.97 | - 0.51 |
| 1584 | 17.83 | 17.81 | 17.81 | 0.87 | 0.87 | 0.87 | + 17.41 | - 28.08 | + 2.02 | + 0.18 |
| 1585 | 3.13 | 2.99 | 2.96 | 0.68 | 0.70 | 0.71 | - 12.01 | - 1.68 | + 1.67 | - 0.52 |
| 1586 | 5.16 | 5.61 | 5.74 | 0.76 | 0.78 | 0.79 | - 14.02 | + 10.12 | + 0.39 | - 0.33 |
| 1587 | 22.95 | 22.96 | 22.96 | 0.60 | 0.60 | 0.60 | + 34.86 | + 22.02 | - 3.41 | - 0.56 |
| 1588 | 5.39 | 5.58 | 5.63 | 0.82 | 0.84 | 0.85 | - 7.01 | - 10.34 | + 2.71 | - 0.69 |
| 1589 | 3.10 | 3.00 | 2.97 | 0.66 | 0.66 | 0.66 | + 19.01 | + 14.64 | - 0.16 | - 0.08 |
| 1593 | 13.74 | 13.75 | 13.75 | 0.51 | 0.52 | 0.52 | - 24.15 | + 26.65 | - 2.77 | - 0.30 |
| 1670 | 9.92 | 9.89 | 9.88 | 0.51 | 0.51 | 0.51 | + 82.79 | - 20.17 | - 6.55 | - 2.59 |
| 1594 | 4.43 | 4.43 | 4.43 | 0.49 | 0.49 | 0.49 | - 7.76 | + 19.53 | - 2.15 | - 0.48 |
| 849 | 43.96 | 43.97 | 43.97 | 0.75 | 0.75 | 0.75 | + 14.01 | - 25.14 | + 2.02 | + 0.20 |
| 850 | 18.20 | 17.82 | 17.77 | 0.76 | 0.81 | 0.82 | - 10.64 | + 2.15 | + 1.80 | - 0.42 |
| 851 | 17.50 | 17.69 | 17.70 | 0.49 | 0.50 | 0.50 | + 14.74 | + 22.92 | - 1.19 | - 0.50 |
| 1595 | 13.84 | 13.90 | 13.92 | 0.72 | 0.75 | 0.75 | - 8.14 | - 2.54 | + 2.04 | - 0.04 |
| 853 | 10.33 | 10.21 | 10.20 | 0.50 | 0.51 | 0.51 | - 22.92 | + 55.62 | - 0.19 | - 0.20 |
| 852 | 3.17 | 3.10 | 3.08 | 0.62 | 0.62 | 0.62 | - 1.66 | + 45.76 | + 0.65 | + 0.11 |
| 855 | 15.40 | 15.62 | 15.64 | 0.71 | 0.75 | 0.75 | - 5.13 | - 3.55 | + 2.65 | - 0.67 |
| 856 | 18.94 | 19.14 | 19.17 | 0.73 | 0.75 | 0.75 | - 10.74 | + 23.97 | + 2.27 | - 2.98 |
| 1669 | 9.90 | 9.98 | 9.99 | 0.53 | 0.54 | 0.54 | + 28.30 | - 30.82 | - 3.98 | - 3.02 |
| 1596 | 8.85 | 9.22 | 9.29 | 0.84 | 0.87 | 0.87 | - 18.61 | + 15.07 | + 0.57 | - 0.43 |
| 859 | 8.30 | 8.26 | 8.26 | 0.69 | 0.70 | 0.70 | + 5.06 | + 14.19 | + 0.20 | - 0.34 |
| 1598 | 4.63 | 4.75 | 4.85 | 0.97 | 1.02 | 1.06 | - 10.61 | + 3.70 | + 1.97 | - 0.28 |
| 1597 | 12.30 | 12.25 | 12.26 | 0.81 | 0.86 | 0.87 | + 10.49 | - 22.76 | + 2.02 | + 0.22 |
| 860 | 25.38 | 25.18 | 25.16 | 0.68 | 0.68 | 0.68 | - 45.56 | + 26.07 | + 2.24 | - 3.01 |
| 861 | 8.79 | 8.62 | 8.58 | 0.92 | 0.97 | 0.98 | + 14.68 | - 24.33 | + 2.44 | + 0.22 |
| 863 | 28.29 | 28.27 | 28.27 | 0.51 | 0.52 | 0.52 | - 22.00 | + 59.53 | - 0.14 | - 0.37 |
| 862 | 28.02 | 27.95 | 27.95 | 0.74 | 0.77 | 0.77 | + 10.82 | + 15.86 | + 0.18 | - 0.31 |
| 1599 | 2.97 | 2.96 | 2.95 | 0.69 | 0.69 | 0.69 | - 44.24 | - 4.28 | + 1.48 | - 2.07 |
| 1649 | 8.33 | 8.35 | 8.35 | 0.48 | 0.48 | 0.48 | + 24.33 | + 61.22 | - 4.33 | + 0.54 |
| 865 | 37.73 | 37.71 | 37.71 | 0.58 | 0.58 | 0.58 | + 41.39 | + 18.92 | - 4.72 | - 0.49 |
| 1600 | 23.95 | 24.22 | 24.24 | 0.67 | 0.68 | 0.68 | + 6.16 | + 45.77 | + 0.90 | + 0.00 |
| 870 | 16.13 | 16.36 | 16.37 | 0.70 | 0.72 | 0.72 | + 20.74 | + 26.32 | + 0.44 | - 0.23 |
| 1602 | 6.73 | 6.65 | 6.62 | 0.80 | 0.81 | 0.81 | - 28.43 | - 2.49 | + 2.28 | - 0.81 |
| 871 | 23.81 | 23.38 | 23.36 | 0.71 | 0.76 | 0.76 | - 16.13 | + 14.43 | + 1.56 | - 0.63 |
| 1603 | 9.83 | 10.04 | 10.13 | 0.82 | 0.86 | 0.87 | - 16.08 | - 4.07 | + 3.05 | - 0.86 |
| 1604 | 29.31 | 29.33 | 29.33 | 0.62 | 0.62 | 0.62 | - 21.09 | + 64.53 | + 1.21 | + 0.51 |
| 873 | 13.62 | 13.88 | 13.96 | 0.90 | 0.93 | 0.94 | + 4.75 | - 20.15 | + 2.10 | + 0.17 |
| 1606 | 12.88 | 12.89 | 12.89 | 0.79 | 0.80 | 0.80 | - 19.73 | - 5.23 | + 3.07 | - 0.90 |
| 875 | 153.36 | 153.24 | 153.24 | 0.63 | 0.65 | 0.65 | + 12.25 | + 46.69 | + 0.81 | + 0.09 |
| 876 | 48.55 | 48.60 | 48.60 | 0.60 | 0.60 | 0.60 | + 0.17 | + 48.82 | - 1.93 | - 1.24 |
| 878 | 24.89 | 24.91 | 24.92 | 0.87 | 0.89 | 0.89 | - 28.04 | - 1.07 | + 2.14 | - 0.81 |
| 879 | 17.33 | 18.15 | 18.24 | 0.77 | 0.80 | 0.80 | - 42.55 | - 17.95 | + 2.86 | - 1.18 |
| 880 | 19.99 | 19.53 | 19.50 | 0.70 | 0.73 | 0.73 | + 7.98 | + 19.26 | + 0.63 | - 0.54 |
| 1610 | 23.74 | 23.60 | 23.59 | 0.76 | 0.77 | 0.77 | + 16.67 | + 49.69 | + 1.13 | - 0.15 |
| 1611 | 10.07 | 9.97 | 9.92 | 0.85 | 0.86 | 0.87 | - 14.53 | - 20.51 | + 3.53 | - 0.36 |
| 1612 | 20.06 | 20.13 | 20.14 | 0.71 | 0.72 | 0.72 | + 4.14 | - 19.59 | + 1.80 | + 0.19 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|------------|---------------------------------------|-------------------------------------|--|--|-----------|----------|----------|--------------|----------|----------------------|
| FK6 No. | $\varepsilon_{\alpha^*,sys}$ [mas] | $\varepsilon_{\delta,sys}$ [mas] | $\varepsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\varepsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 838 | 8.84 | 7.02 | 0.30 | 0.19 | 1 | 0.44 | 1.37 | 0.33 | 1.15 | |
| 1582 | 7.56 | 6.98 | 0.26 | 0.20 | 1 | 1.59 | 1.54 | 1.48 | 0.43 | |
| 840 | 7.00 | 6.72 | 0.26 | 0.18 | 1 | 0.90 | 1.86 | 1.68 | 2.24 | |
| 839 | 15.68 | 13.24 | 0.57 | 0.38 | 1 | 2.35 | 1.30 | 3.05 | 1.11 | 513 |
| 843 | 7.60 | 6.83 | 0.26 | 0.20 | 1 | 0.80 | 0.72 | 0.37 | 2.01 | 514 |
| 1584 | 8.20 | 6.96 | 0.29 | 0.21 | 1 | 1.53 | 0.92 | 0.52 | 1.56 | |
| 1585 | 6.82 | 6.51 | 0.25 | 0.17 | 1 | 3.04 | 0.76 | 0.66 | 2.70 | 515 |
| 1586 | 7.86 | 7.03 | 0.25 | 0.21 | 1 | 1.84 | 3.08 | 1.03 | 2.14 | |
| 1587 | 11.85 | 9.37 | 0.44 | 0.31 | 1 | 0.91 | 1.12 | 0.59 | 0.92 | |
| 1588 | 6.71 | 6.73 | 0.27 | 0.19 | 1 | 1.41 | 2.56 | 0.55 | 4.17 | 516 |
| 1589 | 8.18 | 6.92 | 0.29 | 0.19 | 1 | 0.40 | 2.01 | 2.82 | 1.31 | 517 |
| 1593 | 14.37 | 12.30 | 0.52 | 0.36 | 1 | 0.54 | 2.26 | 2.08 | 1.97 | 518 |
| 1670 | 15.78 | 13.48 | 0.68 | 0.48 | 1 | 2.84 | 2.11 | 1.17 | 1.61 | 519 |
| 1594 | 12.43 | 10.99 | 0.47 | 0.31 | 1 | 1.81 | 3.54 | 2.00 | 1.89 | 520 |
| 849 | 8.16 | 6.72 | 0.28 | 0.20 | 1 | 2.28 | 1.86 | 2.13 | 0.84 | |
| 850 | 6.73 | 6.42 | 0.25 | 0.17 | 1 | 0.83 | 1.70 | 1.93 | 1.55 | 521 |
| 851 | 12.14 | 9.91 | 0.42 | 0.30 | 1 | 1.76 | 2.71 | 2.62 | 0.46 | 522 |
| 1595 | 7.07 | 6.20 | 0.26 | 0.17 | 1 | 1.35 | 0.94 | 1.19 | 0.98 | 523 |
| 853 | 10.97 | 9.20 | 0.39 | 0.25 | 1 | 6.23 | 3.13 | 5.06 | 4.20 | 524 |
| 852 | 8.59 | 7.48 | 0.30 | 0.22 | 1 | 1.27 | 1.75 | 2.48 | 1.52 | 525 |
| 855 | 7.13 | 6.58 | 0.27 | 0.20 | 1 | 1.29 | 0.84 | 1.50 | 1.03 | 526 |
| 856 | 9.98 | 7.35 | 0.30 | 0.21 | 1 | 1.10 | 2.34 | 1.39 | 1.57 | 527 |
| 1669 | 19.84 | 16.25 | 0.78 | 0.54 | | 1.70 | 3.76 | 3.41 | 3.84 | |
| 1596 | 7.91 | 6.70 | 0.26 | 0.20 | 1 | 1.84 | 1.82 | 2.47 | 0.28 | 528 |
| 859 | 8.03 | 6.76 | 0.28 | 0.20 | 1 | 1.53 | 1.70 | 0.67 | 1.59 | |
| 1598 | 6.66 | 6.12 | 0.26 | 0.17 | 1 | 1.21 | 1.63 | 1.65 | 0.14 | |
| 1597 | 8.15 | 6.46 | 0.28 | 0.20 | 1 | 1.66 | 1.04 | 1.31 | 0.84 | |
| 860 | 10.38 | 8.12 | 0.35 | 0.25 | 1 | 3.12 | 6.01 | 4.50 | 2.00 | 529 |
| 861 | 7.65 | 6.53 | 0.27 | 0.20 | 1 | 1.23 | 0.54 | 2.30 | 2.53 | 530 |
| 863 | 11.28 | 8.73 | 0.42 | 0.28 | 1 | 1.32 | 0.29 | 3.18 | 1.75 | |
| 862 | 8.04 | 6.63 | 0.28 | 0.19 | 1 | 3.43 | 2.05 | 3.04 | 2.96 | |
| 1599 | 8.78 | 7.30 | 0.31 | 0.22 | 1 | 2.65 | 0.70 | 1.66 | 2.20 | |
| 1649 | 15.51 | 12.36 | 0.70 | 0.52 | 1 | 2.47 | 2.18 | 1.03 | 3.90 | |
| 865 | 12.77 | 8.82 | 0.48 | 0.33 | 1 | 1.64 | 1.57 | 0.45 | 1.77 | |
| 1600 | 8.62 | 6.76 | 0.29 | 0.22 | 1 | 4.45 | 3.17 | 4.61 | 2.58 | |
| 870 | 8.52 | 6.45 | 0.30 | 0.18 | 1 | 1.65 | 1.60 | 1.78 | 1.90 | 531 |
| 1602 | 6.81 | 5.79 | 0.26 | 0.18 | 1 | 1.66 | 0.83 | 1.19 | 1.16 | |
| 871 | 7.95 | 6.35 | 0.27 | 0.21 | 1 | 1.10 | 2.18 | 2.76 | 1.43 | 532 |
| 1603 | 6.92 | 6.17 | 0.28 | 0.19 | 1 | 0.96 | 1.17 | 1.85 | 0.88 | |
| 1604 | 10.17 | 7.40 | 0.32 | 0.24 | 1 | 0.46 | 1.36 | 1.81 | 1.40 | 533 |
| 873 | 8.39 | 6.24 | 0.29 | 0.20 | 1 | 2.29 | 1.98 | 1.31 | 1.85 | |
| 1606 | 6.86 | 6.09 | 0.27 | 0.19 | 1 | 0.40 | 0.77 | 2.86 | 1.53 | 534 |
| 875 | 10.76 | 7.99 | 0.37 | 0.25 | 1 | 2.09 | 1.35 | 1.13 | 3.48 | 535 |
| 876 | 11.93 | 8.80 | 0.42 | 0.25 | 1 | 1.07 | 2.00 | 0.39 | 1.32 | |
| 878 | 6.67 | 5.61 | 0.25 | 0.18 | 1 | 0.25 | 0.21 | 0.74 | 0.52 | 536 |
| 879 | 8.59 | 7.06 | 0.30 | 0.21 | | 8.83 | 7.18 | 9.20 | 2.87 | |
| 880 | 8.44 | 6.11 | 0.27 | 0.19 | 1 | 3.35 | 3.08 | 2.84 | 0.91 | 537 |
| 1610 | 8.78 | 6.60 | 0.29 | 0.22 | 1 | 1.41 | 2.38 | 1.38 | 3.29 | 538 |
| 1611 | 8.82 | 6.03 | 0.29 | 0.18 | 1 | 2.40 | 0.90 | 2.26 | 1.63 | |
| 1612 | 8.50 | 5.99 | 0.28 | 0.20 | 1 | 1.90 | 2.10 | 1.73 | 3.70 | 539 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------|------------|----------------------------|-----------------------------|-------------------------------|--|--------------------------------------|
| FK6 No. | HIP No. | Name | α (SI) 2000 h m s | δ (SI) 2000 ° / ' " | μ_{α^*} (SI) 2000 [mas/yr] | μ_{δ} (SI) 2000 [mas/yr] |
| 882 | 115590 | 4 Cas | 23 24 50.261 329 | + 62 16 58.115 51 | + 11.40 | - 11.87 |
| 1613 | 115591 | 67 Peg | 23 24 50.832 021 | + 32 23 5.575 20 | + 16.09 | + 2.91 |
| 881 | 115623 | υ Peg | 23 25 22.783 650 | + 23 24 14.762 55 | + 192.34 | + 36.32 |
| 883 | 115713 | θ Gru | 23 26 36.577 238 | - 52 43 17.779 04 | + 34.20 | + 129.06 |
| 884 | 115738 | κ Psc | 23 26 55.956 486 | + 1 15 20.179 90 | + 87.71 | - 95.47 |
| 1614 | 115830 | ϑ Psc | 23 27 58.094 688 | + 6 22 44.373 04 | - 124.60 | - 43.10 |
| 925 | 115836 | τ Oct | 23 28 3.792 156 | - 87 28 55.964 67 | + 16.97 | + 12.09 |
| 1615 | 115910 | +15° 4830 Peg | 23 29 2.218 956 | + 16 0 45.165 61 | - 0.32 | + 0.09 |
| 886 | 116231 | β Scl | 23 32 58.254 409 | - 37 49 5.822 68 | + 89.94 | + 31.03 |
| 1616 | 116354 | 15 And | 23 34 37.537 081 | + 40 14 11.187 16 | - 17.88 | - 45.90 |
| 888 | 116428 | 248 G. Aqr | 23 35 32.072 063 | - 7 27 51.949 74 | + 0.11 | + 16.73 |
| 889 | 116602 | 11 G. Phe | 23 37 50.994 426 | - 45 29 32.463 49 | + 71.03 | - 12.19 |
| 891 | 116631 | ι And | 23 38 8.201 406 | + 43 16 5.064 97 | + 27.81 | - 1.03 |
| 892 | 116771 | ι Psc | 23 39 57.041 163 | + 5 37 34.653 60 | + 376.79 | - 436.56 |
| 1618 | 116820 | μ Scl | 23 40 38.148 948 | - 32 4 23.251 27 | - 91.74 | - 53.67 |
| 1620 | 116928 | λ Psc | 23 42 2.805 668 | + 1 46 48.145 25 | - 130.39 | - 155.04 |
| 1621 | 117089 | 106 Aqr | 23 44 12.079 225 | - 18 16 36.980 38 | + 27.73 | - 4.28 |
| 895 | 117371 | 41 H. Cep | 23 47 54.771 099 | + 67 48 24.514 66 | + 15.18 | - 1.22 |
| 1623 | 117375 | 20 Psc | 23 47 56.542 020 | - 2 45 41.750 46 | + 94.81 | + 5.63 |
| 1624 | 117488 | Pi 23 ^h 194 Aqr | 23 49 25.960 764 | - 21 36 50.297 94 | - 6.85 | + 8.48 |
| 897 | 117541 | 268 G. Aqr | 23 50 14.730 220 | - 9 58 26.891 99 | + 138.43 | + 78.28 |
| 898 | 117718 | φ Peg | 23 52 29.288 079 | + 19 7 13.028 44 | - 6.61 | - 34.71 |
| 899 | 117863 | ρ Cas | 23 54 23.033 253 | + 57 29 57.779 75 | - 3.77 | - 2.98 |
| 1626 | 117880 | 27 G. Phe | 23 54 38.621 429 | - 40 18 0.222 80 | + 367.37 | + 30.73 |
| 1650 | 118027 | ν Cep | 23 56 27.801 465 | + 83 11 28.014 88 | + 49.49 | + 5.97 |
| 1628 | 118048 | Pi 23 ^h 235 Peg | 23 56 41.501 325 | + 22 38 53.134 51 | - 22.65 | - 5.78 |
| 901 | 118234 | π Phe | 23 58 55.778 607 | - 52 44 44.899 98 | + 57.21 | + 62.03 |
| 902 | 118268 | ω Psc | 23 59 18.690 225 | + 6 51 47.948 04 | + 149.61 | - 113.12 |
| 903 | 118322 | ε Tuc | 23 59 54.978 537 | - 65 34 37.676 38 | + 48.53 | - 22.46 |

| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|---------|-----------------|--|---|-----------------|------------------------------------|---|--------------------|--------------------------------|-------|---------------------|-------|-------|-----------|-----------------|----------|
| FK6 No. | T_α (SI) | ε_{α^*} (SI) [mas] | $\varepsilon_{\mu,\alpha^*}$ (SI) [mas/yr] | T_δ (SI) | ε_δ (SI) [mas] | $\varepsilon_{\mu,\delta}$ (SI) [mas/yr] | p_{res} [mas] | $\varepsilon_{p,res}$ [mas] | K_p | v_{rad} [km/s] | m_V | K_m | K_{bin} | $K_{\Delta\mu}$ | K_{ae} |
| 882 | 91.11 | 0.41 | 0.30 | 91.37 | 0.45 | 0.29 | 4.23 | 0.55 | H | - 37.3 | 4.96 | 1 | 35 | | |
| 1613 | 91.15 | 0.54 | 0.32 | 91.39 | 0.43 | 0.29 | 6.44 | 0.67 | H | + 17.6 | 5.56 | | 19 | | 1 |
| 881 | 91.04 | 0.52 | 0.27 | 91.32 | 0.50 | 0.25 | 18.83 | 0.72 | H | - 11.3 | 4.42 | | 11 | 1 | 3 |
| 883 | 91.17 | 0.44 | 0.43 | 91.33 | 0.45 | 0.37 | 31.28 | 0.70 | H | + 18.0 | 5.53 | | 28 | 2 | |
| 884 | 91.14 | 0.71 | 0.22 | 91.24 | 0.54 | 0.23 | 20.12 | 0.79 | H | - 4.4 | 4.95 | 1 | 38 | | |
| 1614 | 91.31 | 0.71 | 0.32 | 91.11 | 0.54 | 0.28 | 20.54 | 0.80 | H | + 5.8 | 4.27 | | 11 | 1 | 3 |
| 925 | 91.26 | 0.47 | 0.37 | 91.18 | 0.42 | 0.30 | 6.24 | 0.52 | H | + 31.0 | 5.50 | | 31 | | |
| 1615 | 91.30 | 0.73 | 0.39 | 91.51 | 0.47 | 0.36 | 5.52 | 0.87 | H | + 3.0 | 7.11 | | 31 | | |
| 886 | 91.00 | 0.48 | 0.38 | 91.01 | 0.52 | 0.40 | 18.28 | 0.80 | H | + 1.7 | 4.38 | | 21 | 2 | |
| 1616 | 90.73 | 0.38 | 0.31 | 91.21 | 0.45 | 0.31 | 13.97 | 0.63 | H | + 13.0 | 5.55 | | 19 | | 1 |
| 888 | 91.14 | 0.73 | 0.33 | 91.18 | 0.58 | 0.36 | 7.19 | 0.88 | H | + 4.7 | 6.40 | | 11 | 1 | 3 |
| 889 | 91.19 | 0.50 | 0.45 | 91.48 | 0.37 | 0.33 | 16.26 | 0.70 | H | + 10.0 | 4.74 | | 19 | | 1 |
| 891 | 91.03 | 0.38 | 0.26 | 91.07 | 0.45 | 0.26 | 6.49 | 0.65 | H | - 0.5 | 4.29 | | 19 | | 1 |
| 892 | 91.58 | 0.80 | 0.22 | 91.16 | 0.55 | 0.21 | 72.51 | 0.88 | H | + 5.4 | 4.13 | | 25 | 2 | |
| 1618 | 91.38 | 0.56 | 0.44 | 91.12 | 0.49 | 0.40 | 11.22 | 0.67 | H | + 14.1 | 5.30 | | 15 | 1 | 3 |
| 1620 | 90.91 | 0.68 | 0.28 | 90.93 | 0.56 | 0.29 | 32.38 | 0.84 | H | + 12.4 | 4.49 | | 19 | | 1 |
| 1621 | 91.37 | 0.69 | 0.35 | 91.40 | 0.46 | 0.32 | 9.84 | 0.87 | H | + 14.0 | 5.24 | | 19 | | 1 |
| 895 | 91.19 | 0.40 | 0.27 | 91.16 | 0.44 | 0.27 | 10.96 | 0.53 | H | + 10.0 | 5.05 | | 29 | 2 | |
| 1623 | 91.01 | 0.85 | 0.32 | 91.03 | 0.56 | 0.32 | 11.19 | 0.85 | H | - 6.9 | 5.49 | | 19 | | 1 |
| 1624 | 91.31 | 0.86 | 0.54 | 91.55 | 0.53 | 0.52 | 4.25 | 1.02 | H | + 33.4 | 7.01 | | 29 | 2 | |
| 897 | 91.18 | 0.70 | 0.35 | 91.11 | 0.53 | 0.37 | 10.63 | 0.80 | H | - 17.7 | 5.93 | | 39 | | |
| 898 | 91.12 | 0.53 | 0.25 | 91.36 | 0.44 | 0.24 | 7.46 | 0.69 | H | - 7.8 | 5.06 | 1 | 13 | | |
| 899 | 91.10 | 0.36 | 0.28 | 91.34 | 0.44 | 0.29 | .62 | 0.14 | P | - 43.1 | 4.51 | 2 | 39 | | |
| 1626 | 91.09 | 0.44 | 0.43 | 91.61 | 0.47 | 0.42 | 35.86 | 0.80 | H | - 10.0 | 6.03 | | 11 | 1 | 3 |
| 1650 | 91.18 | 0.46 | 0.37 | 91.30 | 0.46 | 0.31 | 10.84 | 0.54 | H | - 12.9 | 6.57 | | 11 | 1 | 3 |
| 1628 | 91.26 | 0.61 | 0.32 | 91.34 | 0.47 | 0.32 | 5.41 | 0.77 | H | + 0.8 | 6.18 | 1 | 19 | | 1 |
| 901 | 91.07 | 0.34 | 0.36 | 91.24 | 0.40 | 0.36 | 12.70 | 0.65 | H | - 14.1 | 5.13 | | 21 | 2 | |
| 902 | 91.66 | 0.76 | 0.22 | 91.48 | 0.46 | 0.20 | 30.78 | 0.87 | H | + 1.9 | 4.03 | | 28 | 2 | |
| 903 | 91.41 | 0.43 | 0.39 | 91.35 | 0.42 | 0.37 | 8.71 | 0.57 | H | + 11.0 | 4.49 | | 11 | 1 | 3 |

| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------------|--|---------|---------|----------|--------------------------------------|---------|---------|----------|
| FK6 No. | $\Delta\alpha_*$ [mas] ²⁰⁰⁰ | | | | $\Delta\delta$ [mas] ²⁰⁰⁰ | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 |
| 882 | - 3.49 | + 5.65 | + 7.42 | - 32.21 | - 0.11 | - 9.38 | - 11.88 | - 44.83 |
| 1613 | - 4.86 | + 2.98 | + 3.68 | - 35.67 | - 3.33 | - 1.15 | - 1.23 | - 76.16 |
| 881 | + 6.21 | + 6.48 | + 6.92 | + 32.60 | + 9.77 | + 1.22 | + 1.31 | + 57.57 |
| 883 | + 13.53 | - 8.19 | - 9.16 | + 20.70 | - 19.38 | + 7.97 | + 8.75 | - 55.77 |
| 884 | - 19.72 | - 16.54 | - 18.39 | - 63.13 | - 15.18 | + 8.43 | + 9.12 | - 78.75 |
| 1614 | + 7.62 | + 5.81 | + 6.58 | + 31.03 | - 12.03 | - 1.30 | - 1.39 | - 76.06 |
| 925 | + 4.25 | - 4.97 | - 6.03 | + 29.56 | + 2.36 | - 4.72 | - 5.43 | - 58.35 |
| 1615 | - 4.17 | + 0.22 | + 0.56 | - 53.29 | - 5.03 | + 0.69 | + 1.04 | - 105.02 |
| 886 | - 25.78 | + 52.78 | + 58.21 | + 69.22 | - 51.67 | + 52.87 | + 59.29 | - 367.89 |
| 1616 | - 1.60 | + 1.47 | + 1.56 | - 5.09 | - 0.66 | + 1.05 | + 1.14 | - 0.02 |
| 888 | - 5.50 | + 0.98 | + 1.59 | - 45.76 | - 1.99 | - 1.81 | - 2.16 | - 31.19 |
| 889 | - 2.01 | + 2.57 | + 2.92 | + 14.74 | + 3.24 | - 1.13 | - 1.31 | + 19.43 |
| 891 | + 0.56 | - 0.71 | - 0.80 | + 3.74 | - 1.19 | - 1.42 | - 1.60 | - 21.96 |
| 892 | - 32.12 | - 3.73 | - 3.91 | - 95.24 | - 7.58 | - 3.70 | - 3.88 | - 34.86 |
| 1618 | - 3.03 | + 2.35 | + 2.88 | - 21.62 | - 0.29 | + 1.53 | + 1.81 | + 15.04 |
| 1620 | + 0.57 | + 6.91 | + 7.55 | + 2.24 | + 10.64 | + 1.38 | + 1.56 | + 54.02 |
| 1621 | - 2.38 | - 0.91 | - 1.08 | - 21.15 | + 3.60 | + 3.93 | + 4.45 | + 70.62 |
| 895 | - 3.95 | - 5.13 | - 5.38 | - 50.91 | + 4.93 | - 5.39 | - 5.73 | + 24.08 |
| 1623 | - 4.51 | + 10.58 | + 14.56 | - 26.66 | + 0.44 | - 0.69 | - 1.12 | + 5.33 |
| 1624 | + 6.23 | - 0.66 | - 1.87 | + 152.72 | - 1.34 | - 0.09 | - 0.26 | - 58.21 |
| 897 | - 1.46 | + 9.97 | + 12.33 | - 4.67 | - 12.05 | + 0.09 | + 0.45 | - 141.99 |
| 898 | + 4.89 | + 1.35 | + 1.61 | + 27.56 | - 4.96 | + 3.78 | + 4.21 | - 43.93 |
| 899 | + 1.62 | - 3.11 | - 6.86 | + 13.82 | + 1.78 | - 1.99 | - 4.07 | + 65.67 |
| 1626 | - 8.29 | + 0.57 | + 0.67 | - 55.88 | - 3.47 | - 1.59 | - 1.76 | - 102.07 |
| 1650 | - 0.75 | - 2.16 | - 2.42 | - 25.62 | + 3.97 | + 4.10 | + 4.44 | + 91.00 |
| 1628 | - 3.03 | - 1.63 | - 2.16 | - 30.88 | + 5.80 | - 5.01 | - 5.96 | + 49.63 |
| 901 | - 17.79 | + 5.47 | + 6.35 | - 110.83 | + 7.29 | - 4.20 | - 4.89 | + 55.76 |
| 902 | + 24.17 | - 7.71 | - 8.86 | + 80.19 | - 13.69 | + 7.84 | + 7.99 | - 59.49 |
| 903 | + 1.48 | + 0.69 | + 0.87 | + 42.34 | - 2.89 | + 0.96 | + 1.13 | - 49.50 |

| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|---------|---|--------|--------|--------|---------|---|--------|--------|--------|---------|
| FK6 No. | $\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰ | | | | | $\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰ | | | | |
| | LTP | STP | HIP | FK5 | μ_0 | LTP | STP | HIP | FK5 | μ_0 |
| 882 | - 0.22 | + 0.64 | + 0.84 | - 0.73 | + 0.02 | + 0.32 | - 1.09 | - 1.38 | - 0.18 | + 0.78 |
| 1613 | - 0.21 | + 0.34 | + 0.42 | - 0.76 | + 0.12 | + 0.14 | - 0.14 | - 0.15 | - 0.92 | + 0.76 |
| 881 | - 0.11 | + 0.73 | + 0.78 | + 0.24 | - 0.49 | + 0.16 | + 0.14 | + 0.15 | + 0.76 | - 0.27 |
| 883 | + 1.71 | - 0.93 | - 1.04 | + 2.00 | + 1.91 | - 2.16 | + 0.92 | + 1.01 | - 2.86 | - 2.10 |
| 884 | - 0.16 | - 1.90 | - 2.11 | - 0.74 | + 0.55 | - 0.31 | + 0.96 | + 1.04 | - 1.06 | + 0.18 |
| 1614 | + 0.05 | + 0.68 | + 0.77 | + 0.40 | - 0.36 | - 0.13 | - 0.15 | - 0.16 | - 0.91 | + 0.44 |
| 925 | + 0.48 | - 0.56 | - 0.68 | + 0.88 | + 0.45 | + 0.46 | - 0.53 | - 0.61 | - 0.16 | + 0.74 |
| 1615 | - 0.06 | + 0.02 | + 0.06 | - 0.99 | + 0.50 | - 0.16 | + 0.08 | + 0.12 | - 1.84 | + 0.59 |
| 886 | - 5.30 | + 5.85 | + 6.45 | - 4.35 | - 7.50 | - 4.04 | + 5.84 | + 6.55 | - 8.51 | - 1.96 |
| 1616 | - 0.13 | + 0.16 | + 0.17 | - 0.20 | - 0.09 | - 0.10 | + 0.12 | + 0.13 | - 0.10 | - 0.12 |
| 888 | - 0.11 | + 0.11 | + 0.18 | - 0.78 | + 0.31 | + 0.01 | - 0.21 | - 0.25 | - 0.40 | + 0.25 |
| 889 | - 0.43 | + 0.29 | + 0.33 | - 0.21 | - 0.73 | + 0.32 | - 0.13 | - 0.15 | + 0.58 | + 0.24 |
| 891 | + 0.03 | - 0.08 | - 0.09 | + 0.08 | + 0.00 | + 0.04 | - 0.16 | - 0.18 | - 0.20 | + 0.19 |
| 892 | - 0.36 | - 0.45 | - 0.47 | - 1.10 | + 0.55 | - 0.04 | - 0.42 | - 0.44 | - 0.33 | + 0.17 |
| 1618 | - 0.23 | + 0.27 | + 0.33 | - 0.56 | - 0.06 | - 0.13 | + 0.17 | + 0.20 | + 0.05 | - 0.28 |
| 1620 | - 0.09 | + 0.77 | + 0.84 | - 0.07 | - 0.14 | + 0.15 | + 0.15 | + 0.17 | + 0.71 | - 0.32 |
| 1621 | - 0.01 | - 0.11 | - 0.13 | - 0.29 | + 0.19 | - 0.10 | + 0.46 | + 0.52 | + 0.76 | - 0.51 |
| 895 | + 0.40 | - 0.60 | - 0.63 | - 0.28 | + 0.97 | + 0.42 | - 0.63 | - 0.67 | + 0.68 | + 0.34 |
| 1623 | - 0.15 | + 1.19 | + 1.64 | - 0.53 | + 0.07 | - 0.01 | - 0.08 | - 0.13 | + 0.06 | - 0.05 |
| 1624 | + 0.13 | - 0.07 | - 0.21 | + 2.82 | - 1.47 | - 0.01 | - 0.01 | - 0.03 | - 0.93 | + 0.45 |
| 897 | - 0.22 | + 1.14 | + 1.41 | - 0.31 | - 0.26 | - 0.12 | + 0.00 | + 0.04 | - 2.00 | + 1.06 |
| 898 | + 0.08 | + 0.16 | + 0.19 | + 0.42 | - 0.22 | - 0.23 | + 0.44 | + 0.49 | - 0.75 | - 0.01 |
| 899 | + 0.22 | - 0.35 | - 0.77 | + 0.64 | + 0.43 | + 0.18 | - 0.23 | - 0.47 | + 1.20 | + 0.01 |
| 1626 | - 0.35 | + 0.06 | + 0.07 | - 1.44 | + 0.46 | + 0.57 | - 0.19 | - 0.21 | - 1.04 | + 2.25 |
| 1650 | + 0.18 | - 0.24 | - 0.27 | - 0.22 | + 0.48 | - 0.19 | + 0.47 | + 0.51 | + 1.04 | - 0.67 |
| 1628 | - 0.05 | - 0.18 | - 0.24 | - 0.54 | + 0.25 | + 0.52 | - 0.58 | - 0.69 | + 1.28 | + 0.33 |
| 901 | - 1.60 | + 0.62 | + 0.72 | - 3.44 | - 0.88 | + 0.70 | - 0.49 | - 0.57 | + 1.49 | + 0.48 |
| 902 | + 0.38 | - 0.98 | - 1.12 | + 1.08 | - 0.31 | - 0.36 | + 0.94 | + 0.96 | - 0.87 | - 0.05 |
| 903 | - 0.09 | + 0.08 | + 0.10 | + 0.59 | - 0.63 | - 0.18 | + 0.11 | + 0.13 | - 0.85 | + 0.13 |

| | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 |
|------------|------------|-------|-------|-------|--------------------------------|------|------|-------|---------------------------------------|------|------|------|---------|
| FK6 No. | T_α | | | | ε_{α^*} [mas] | | | | $\varepsilon_{\mu,\alpha^*}$ [mas/yr] | | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 882 | 84.52 | 91.13 | 91.13 | 56.52 | 7.05 | 0.42 | 0.42 | 16.03 | 0.38 | 0.50 | 0.54 | 0.60 | 0.46 |
| 1613 | 82.00 | 91.18 | 91.18 | 57.96 | 8.14 | 0.54 | 0.54 | 15.44 | 0.41 | 0.60 | 0.64 | 0.65 | 0.47 |
| 881 | 72.45 | 91.09 | 91.09 | 49.27 | 10.82 | 0.52 | 0.52 | 16.18 | 0.37 | 0.57 | 0.59 | 0.52 | 0.39 |
| 883 | 84.02 | 91.18 | 91.18 | 60.41 | 14.30 | 0.44 | 0.44 | 29.53 | 0.79 | 0.52 | 0.53 | 1.23 | 0.96 |
| 884 | 65.27 | 91.28 | 91.28 | 47.42 | 9.47 | 0.71 | 0.71 | 12.31 | 0.30 | 0.80 | 0.84 | 0.42 | 0.28 |
| 1614 | 73.40 | 91.40 | 91.40 | 54.81 | 10.66 | 0.72 | 0.72 | 15.23 | 0.40 | 0.88 | 0.94 | 0.57 | 0.42 |
| 925 | 86.79 | 91.27 | 91.27 | 39.78 | 9.01 | 0.47 | 0.47 | 30.60 | 0.49 | 0.51 | 0.54 | 0.91 | 0.59 |
| 1615 | 84.72 | 91.34 | 91.34 | 61.10 | 7.90 | 0.74 | 0.74 | 16.95 | 0.48 | 0.71 | 0.80 | 0.81 | 0.56 |
| 886 | 82.23 | 91.01 | 91.01 | 56.70 | 12.41 | 0.48 | 0.48 | 24.31 | 0.58 | 0.51 | 0.52 | 0.87 | 0.71 |
| 1616 | 78.93 | 90.75 | 90.75 | 62.84 | 9.95 | 0.38 | 0.38 | 15.12 | 0.49 | 0.44 | 0.45 | 0.71 | 0.54 |
| 888 | 80.34 | 91.21 | 91.21 | 55.51 | 8.40 | 0.74 | 0.74 | 15.21 | 0.39 | 0.91 | 1.08 | 0.63 | 0.43 |
| 889 | 85.51 | 91.20 | 91.20 | 59.91 | 12.58 | 0.50 | 0.50 | 29.40 | 0.75 | 0.55 | 0.56 | 1.22 | 0.94 |
| 891 | 81.25 | 91.05 | 91.05 | 52.13 | 8.28 | 0.38 | 0.38 | 16.39 | 0.35 | 0.43 | 0.45 | 0.52 | 0.42 |
| 892 | 59.47 | 91.73 | 91.73 | 39.41 | 11.01 | 0.82 | 0.82 | 14.06 | 0.29 | 0.99 | 1.05 | 0.39 | 0.27 |
| 1618 | 85.24 | 91.37 | 91.37 | 58.31 | 11.00 | 0.56 | 0.56 | 25.75 | 0.62 | 0.62 | 0.65 | 0.98 | 0.78 |
| 1620 | 68.37 | 90.99 | 90.99 | 52.83 | 10.46 | 0.68 | 0.68 | 13.56 | 0.38 | 0.74 | 0.77 | 0.53 | 0.36 |
| 1621 | 79.73 | 91.43 | 91.43 | 52.24 | 9.69 | 0.69 | 0.69 | 17.81 | 0.41 | 0.83 | 0.92 | 0.65 | 0.45 |
| 895 | 77.86 | 91.18 | 91.18 | 52.28 | 9.76 | 0.41 | 0.41 | 16.66 | 0.39 | 0.44 | 0.45 | 0.62 | 0.43 |
| 1623 | 76.74 | 91.13 | 91.13 | 54.84 | 9.45 | 0.85 | 0.85 | 14.97 | 0.38 | 1.03 | 1.18 | 0.57 | 0.41 |
| 1624 | 88.09 | 91.37 | 91.37 | 61.46 | 7.46 | 0.87 | 0.87 | 22.76 | 0.60 | 0.90 | 1.14 | 1.02 | 0.76 |
| 897 | 79.48 | 91.23 | 91.23 | 56.47 | 9.70 | 0.71 | 0.71 | 16.67 | 0.43 | 0.81 | 0.88 | 0.64 | 0.48 |
| 898 | 77.05 | 91.20 | 91.20 | 53.72 | 8.07 | 0.53 | 0.53 | 13.11 | 0.32 | 0.51 | 0.54 | 0.48 | 0.35 |
| 899 | 89.91 | 91.13 | 91.13 | 53.47 | 3.00 | 0.37 | 0.37 | 16.23 | 0.32 | 0.38 | 0.50 | 0.61 | 0.43 |
| 1626 | 84.69 | 91.09 | 91.09 | 68.47 | 14.08 | 0.44 | 0.44 | 26.25 | 0.95 | 0.48 | 0.49 | 1.50 | 1.16 |
| 1650 | 83.64 | 91.19 | 91.19 | 57.28 | 10.57 | 0.46 | 0.46 | 22.34 | 0.57 | 0.49 | 0.50 | 0.96 | 0.66 |
| 1628 | 82.87 | 91.30 | 91.30 | 57.90 | 7.64 | 0.61 | 0.61 | 15.24 | 0.41 | 0.57 | 0.61 | 0.69 | 0.46 |
| 901 | 86.00 | 91.10 | 91.10 | 59.85 | 11.65 | 0.34 | 0.34 | 28.51 | 0.73 | 0.41 | 0.42 | 1.23 | 0.91 |
| 902 | 61.92 | 91.77 | 91.77 | 40.30 | 10.62 | 0.77 | 0.77 | 14.00 | 0.29 | 0.91 | 0.96 | 0.41 | 0.27 |
| 903 | 87.15 | 91.41 | 91.41 | 60.86 | 10.18 | 0.43 | 0.43 | 27.68 | 0.69 | 0.47 | 0.48 | 1.13 | 0.91 |

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
|------------|------------|-------|-------|-------|----------------------------|------|------|-------|-------------------------------------|------|------|------|---------|
| FK6 No. | T_δ | | | | ε_δ [mas] | | | | $\varepsilon_{\mu,\delta}$ [mas/yr] | | | | |
| | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | LTP | STP | HIP | FK5 | μ_0 |
| 882 | 84.68 | 91.39 | 91.39 | 46.20 | 7.25 | 0.45 | 0.45 | 18.97 | 0.35 | 0.52 | 0.56 | 0.59 | 0.42 |
| 1613 | 83.82 | 91.39 | 91.39 | 50.70 | 8.65 | 0.44 | 0.44 | 20.20 | 0.43 | 0.40 | 0.41 | 0.74 | 0.50 |
| 881 | 71.84 | 91.35 | 91.35 | 41.83 | 11.35 | 0.50 | 0.50 | 18.11 | 0.35 | 0.45 | 0.46 | 0.55 | 0.37 |
| 883 | 83.60 | 91.33 | 91.33 | 50.60 | 14.73 | 0.45 | 0.45 | 33.93 | 0.71 | 0.43 | 0.44 | 1.23 | 0.83 |
| 884 | 65.69 | 91.30 | 91.30 | 35.21 | 10.94 | 0.54 | 0.54 | 16.21 | 0.30 | 0.57 | 0.59 | 0.47 | 0.29 |
| 1614 | 71.89 | 91.15 | 91.15 | 40.68 | 11.72 | 0.54 | 0.54 | 18.95 | 0.36 | 0.60 | 0.62 | 0.56 | 0.38 |
| 925 | 85.55 | 91.19 | 91.19 | 28.01 | 8.99 | 0.42 | 0.42 | 29.97 | 0.42 | 0.43 | 0.44 | 0.92 | 0.47 |
| 1615 | 86.44 | 91.48 | 91.48 | 54.66 | 8.30 | 0.47 | 0.47 | 22.84 | 0.52 | 0.50 | 0.54 | 0.97 | 0.62 |
| 886 | 82.69 | 91.02 | 91.02 | 46.44 | 12.99 | 0.52 | 0.52 | 29.73 | 0.56 | 0.58 | 0.60 | 0.90 | 0.67 |
| 1616 | 80.98 | 91.23 | 91.23 | 54.54 | 11.22 | 0.45 | 0.45 | 21.21 | 0.49 | 0.41 | 0.42 | 0.75 | 0.58 |
| 888 | 82.50 | 91.21 | 91.21 | 48.49 | 8.98 | 0.58 | 0.58 | 19.86 | 0.41 | 0.80 | 0.91 | 0.71 | 0.47 |
| 889 | 85.36 | 91.47 | 91.47 | 48.86 | 12.92 | 0.37 | 0.37 | 34.65 | 0.68 | 0.38 | 0.38 | 1.22 | 0.81 |
| 891 | 81.07 | 91.09 | 91.09 | 39.81 | 8.60 | 0.45 | 0.45 | 19.34 | 0.33 | 0.45 | 0.47 | 0.56 | 0.38 |
| 892 | 56.91 | 91.22 | 91.22 | 27.14 | 12.06 | 0.56 | 0.56 | 16.47 | 0.29 | 0.67 | 0.69 | 0.45 | 0.26 |
| 1618 | 85.83 | 91.12 | 91.12 | 46.65 | 11.41 | 0.49 | 0.49 | 32.74 | 0.60 | 0.54 | 0.56 | 1.02 | 0.74 |
| 1620 | 71.07 | 90.96 | 90.96 | 44.58 | 12.39 | 0.56 | 0.56 | 18.85 | 0.39 | 0.61 | 0.63 | 0.59 | 0.41 |
| 1621 | 80.34 | 91.42 | 91.42 | 41.04 | 10.20 | 0.46 | 0.46 | 21.87 | 0.40 | 0.60 | 0.63 | 0.74 | 0.43 |
| 895 | 77.09 | 91.15 | 91.15 | 38.58 | 10.31 | 0.45 | 0.45 | 19.88 | 0.36 | 0.48 | 0.49 | 0.63 | 0.38 |
| 1623 | 78.80 | 91.07 | 91.07 | 45.97 | 10.35 | 0.56 | 0.56 | 19.76 | 0.39 | 0.65 | 0.69 | 0.61 | 0.44 |
| 1624 | 88.65 | 91.57 | 91.57 | 55.20 | 7.57 | 0.53 | 0.53 | 27.70 | 0.60 | 0.77 | 0.91 | 1.12 | 0.76 |
| 897 | 81.85 | 91.12 | 91.12 | 50.49 | 10.45 | 0.53 | 0.53 | 21.77 | 0.46 | 0.65 | 0.69 | 0.76 | 0.54 |
| 898 | 77.89 | 91.40 | 91.40 | 40.54 | 8.78 | 0.44 | 0.44 | 17.10 | 0.32 | 0.43 | 0.45 | 0.57 | 0.34 |
| 899 | 90.20 | 91.36 | 91.36 | 44.86 | 3.02 | 0.44 | 0.44 | 19.62 | 0.32 | 0.39 | 0.51 | 0.64 | 0.42 |
| 1626 | 86.26 | 91.61 | 91.61 | 63.18 | 15.13 | 0.47 | 0.47 | 35.86 | 0.95 | 0.46 | 0.47 | 1.45 | 1.26 |
| 1650 | 79.61 | 91.31 | 91.31 | 43.47 | 10.44 | 0.46 | 0.46 | 21.15 | 0.43 | 0.49 | 0.50 | 0.85 | 0.44 |
| 1628 | 85.12 | 91.35 | 91.35 | 50.85 | 8.12 | 0.47 | 0.47 | 20.84 | 0.44 | 0.45 | 0.47 | 0.82 | 0.51 |
| 901 | 86.26 | 91.26 | 91.26 | 49.00 | 11.98 | 0.40 | 0.40 | 34.87 | 0.68 | 0.42 | 0.43 | 1.22 | 0.83 |
| 902 | 58.35 | 91.47 | 91.47 | 28.09 | 11.28 | 0.47 | 0.47 | 15.63 | 0.28 | 0.49 | 0.50 | 0.44 | 0.25 |
| 903 | 87.01 | 91.36 | 91.36 | 48.17 | 10.40 | 0.42 | 0.42 | 33.10 | 0.62 | 0.46 | 0.47 | 1.10 | 0.77 |

| | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|------------|-----------|-------|-------|-----------------------|------|------|---------------------------------|-------------------------------|--|--------------------------------------|
| FK6 No. | p [mas] | | | ε_p [mas] | | | $\Delta\alpha_{*,sys}$ [mas] | $\Delta\delta_{sys}$ [mas] | $\Delta\mu_{\alpha^*,sys}$ [mas/yr] | $\Delta\mu_{\delta,sys}$ [mas/yr] |
| | SI | STP | HIP | SI | STP | HIP | | | | |
| 882 | 4.22 | 4.23 | 4.23 | 0.55 | 0.55 | 0.55 | + 2.01 | + 62.09 | + 0.00 | - 0.45 |
| 1613 | 6.46 | 6.44 | 6.44 | 0.67 | 0.67 | 0.67 | + 22.32 | + 40.57 | + 1.26 | - 0.19 |
| 881 | 19.01 | 18.84 | 18.83 | 0.71 | 0.72 | 0.72 | + 6.13 | + 19.23 | + 0.69 | - 0.58 |
| 883 | 31.21 | 31.28 | 31.28 | 0.70 | 0.70 | 0.70 | - 76.06 | + 31.55 | + 1.59 | - 2.90 |
| 884 | 20.05 | 20.12 | 20.12 | 0.78 | 0.79 | 0.79 | - 20.75 | + 2.75 | + 1.81 | - 0.67 |
| 1614 | 20.49 | 20.53 | 20.54 | 0.79 | 0.80 | 0.80 | - 29.34 | - 6.89 | + 2.71 | - 0.99 |
| 925 | 6.22 | 6.24 | 6.24 | 0.52 | 0.52 | 0.52 | + 40.19 | - 18.72 | - 2.80 | - 2.93 |
| 1615 | 5.44 | 5.50 | 5.52 | 0.83 | 0.86 | 0.87 | - 19.45 | + 17.36 | + 1.45 | - 0.75 |
| 886 | 19.44 | 18.43 | 18.28 | 0.78 | 0.80 | 0.80 | - 67.32 | - 7.34 | + 1.74 | - 1.82 |
| 1616 | 13.93 | 13.97 | 13.97 | 0.63 | 0.63 | 0.63 | + 21.07 | + 52.98 | + 1.25 | - 0.20 |
| 888 | 7.24 | 7.19 | 7.19 | 0.85 | 0.87 | 0.88 | - 4.67 | - 12.61 | + 1.86 | + 0.07 |
| 889 | 16.24 | 16.26 | 16.26 | 0.69 | 0.70 | 0.70 | - 43.89 | + 25.23 | + 2.15 | - 2.79 |
| 891 | 6.49 | 6.49 | 6.49 | 0.65 | 0.65 | 0.65 | + 20.09 | + 60.53 | + 1.60 | - 0.07 |
| 892 | 72.71 | 72.52 | 72.51 | 0.84 | 0.88 | 0.88 | - 30.15 | - 7.63 | + 2.43 | - 1.01 |
| 1618 | 11.26 | 11.23 | 11.22 | 0.67 | 0.67 | 0.67 | - 44.15 | - 19.12 | + 2.82 | - 1.08 |
| 1620 | 32.41 | 32.38 | 32.38 | 0.83 | 0.84 | 0.84 | - 21.79 | - 0.31 | + 1.67 | - 0.77 |
| 1621 | 9.77 | 9.83 | 9.84 | 0.78 | 0.85 | 0.87 | + 7.62 | - 21.37 | + 1.33 | + 0.22 |
| 895 | 10.92 | 10.96 | 10.96 | 0.53 | 0.53 | 0.53 | + 5.13 | + 59.72 | - 0.45 | - 0.76 |
| 1623 | 11.09 | 11.16 | 11.19 | 0.85 | 0.85 | 0.85 | - 10.16 | - 0.20 | + 1.61 | - 0.29 |
| 1624 | 4.29 | 4.29 | 4.25 | 0.97 | 1.00 | 1.02 | + 3.87 | - 21.44 | + 1.38 | + 0.15 |
| 897 | 10.52 | 10.61 | 10.63 | 0.80 | 0.80 | 0.80 | + 7.08 | - 22.09 | + 1.64 | + 0.12 |
| 898 | 7.39 | 7.45 | 7.46 | 0.69 | 0.69 | 0.69 | - 20.06 | + 17.99 | + 0.95 | - 0.84 |
| 899 | 0.26 | 0.27 | 0.28 | 0.58 | 0.58 | 0.58 | + 24.80 | + 45.71 | + 0.63 | - 0.22 |
| 1626 | 35.83 | 35.85 | 35.86 | 0.79 | 0.80 | 0.80 | - 66.33 | + 0.62 | + 1.64 | - 2.09 |
| 1650 | 10.75 | 10.83 | 10.84 | 0.53 | 0.54 | 0.54 | + 16.12 | + 49.45 | - 2.57 | + 0.29 |
| 1628 | 5.63 | 5.45 | 5.41 | 0.76 | 0.77 | 0.77 | + 1.77 | + 16.34 | + 0.76 | - 0.80 |
| 901 | 12.56 | 12.68 | 12.70 | 0.65 | 0.65 | 0.65 | - 76.51 | + 31.97 | + 1.44 | - 2.92 |
| 902 | 30.99 | 30.83 | 30.78 | 0.79 | 0.86 | 0.87 | - 26.78 | - 12.38 | + 2.41 | - 1.11 |
| 903 | 8.71 | 8.71 | 8.71 | 0.57 | 0.57 | 0.57 | + 10.99 | + 50.91 | - 1.61 | - 0.89 |

| | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 |
|------------|---------------------------------------|-------------------------------------|--|--|-----------|----------|----------|--------------|----------|----------------------|
| FK6 No. | $\varepsilon_{\alpha^*,sys}$ [mas] | $\varepsilon_{\delta,sys}$ [mas] | $\varepsilon_{\mu,\alpha^*,sys}$ [mas/yr] | $\varepsilon_{\mu,\delta,sys}$ [mas/yr] | K_{sys} | F_{FH} | F_{0H} | $F_{0(GC)H}$ | F_{0F} | Number of note |
| 882 | 11.16 | 8.37 | 0.39 | 0.25 | 1 | 2.32 | 3.15 | 1.96 | 1.65 | 540 |
| 1613 | 8.47 | 6.84 | 0.29 | 0.20 | 1 | 1.53 | 1.51 | 2.06 | 2.18 | 541 |
| 881 | 8.49 | 6.06 | 0.27 | 0.19 | 1 | 1.20 | 1.82 | 1.16 | 1.92 | |
| 883 | 10.70 | 7.89 | 0.35 | 0.26 | 1 | 3.72 | 4.22 | 5.22 | 0.52 | 542 |
| 884 | 6.40 | 5.64 | 0.24 | 0.17 | 1 | 3.06 | 3.18 | 3.18 | 3.40 | 543 |
| 1614 | 7.07 | 5.69 | 0.25 | 0.19 | 1 | 0.99 | 1.31 | 0.47 | 2.26 | |
| 925 | 19.06 | 14.08 | 0.67 | 0.52 | 1 | 1.54 | 2.52 | 2.82 | 0.96 | |
| 1615 | 8.34 | 6.02 | 0.27 | 0.21 | 1 | 1.87 | 0.65 | 1.17 | 2.59 | |
| 886 | 8.95 | 6.52 | 0.28 | 0.22 | | 17.15 | 17.89 | 19.25 | 6.50 | |
| 1616 | 9.13 | 6.97 | 0.28 | 0.22 | 1 | 0.50 | 0.49 | 0.54 | 0.13 | 544 |
| 888 | 7.06 | 5.79 | 0.25 | 0.18 | 1 | 0.77 | 0.49 | 1.15 | 1.62 | |
| 889 | 10.41 | 6.67 | 0.28 | 0.21 | 1 | 0.69 | 1.05 | 0.70 | 0.41 | 545 |
| 891 | 9.81 | 6.78 | 0.27 | 0.21 | 1 | 0.25 | 0.62 | 0.64 | 0.59 | 546 |
| 892 | 7.03 | 5.51 | 0.24 | 0.18 | 1 | 0.59 | 1.20 | 0.62 | 3.60 | 547 |
| 1618 | 8.55 | 6.91 | 0.29 | 0.21 | 1 | 0.76 | 0.62 | 2.31 | 0.48 | 548 |
| 1620 | 6.29 | 5.52 | 0.23 | 0.17 | 1 | 1.25 | 1.23 | 1.27 | 1.43 | 549 |
| 1621 | 8.43 | 5.89 | 0.25 | 0.20 | 1 | 0.29 | 1.39 | 0.97 | 1.60 | 550 |
| 895 | 11.60 | 7.74 | 0.41 | 0.31 | 1 | 1.81 | 3.33 | 3.59 | 1.73 | 551 |
| 1623 | 6.39 | 5.38 | 0.24 | 0.17 | 1 | 1.65 | 1.26 | 1.24 | 0.86 | 552 |
| 1624 | 8.41 | 6.06 | 0.26 | 0.20 | 1 | 2.11 | 1.03 | 0.46 | 3.51 | 553 |
| 897 | 7.52 | 5.75 | 0.25 | 0.19 | 1 | 2.45 | 2.13 | 3.03 | 3.27 | 554 |
| 898 | 8.51 | 5.76 | 0.25 | 0.20 | 1 | 1.82 | 0.99 | 1.99 | 1.56 | 555 |
| 899 | 10.73 | 7.72 | 0.37 | 0.25 | 1 | 2.90 | 2.11 | 2.28 | 1.57 | 556 |
| 1626 | 9.24 | 7.21 | 0.27 | 0.22 | 1 | 1.10 | 1.85 | 2.20 | 1.98 | |
| 1650 | 16.97 | 10.71 | 0.62 | 0.49 | 1 | 0.54 | 1.95 | 2.41 | 1.89 | |
| 1628 | 8.51 | 5.84 | 0.25 | 0.20 | 1 | 2.13 | 1.54 | 0.78 | 1.37 | 557 |
| 901 | 10.33 | 7.73 | 0.34 | 0.26 | 1 | 3.52 | 1.89 | 2.86 | 1.81 | |
| 902 | 6.99 | 5.65 | 0.25 | 0.19 | 1 | 3.89 | 2.27 | 4.14 | 3.23 | 558 |
| 903 | 11.38 | 8.45 | 0.40 | 0.28 | 1 | 0.93 | 0.71 | 0.27 | 1.12 | |

Notes to Part I of the FK6 Catalogue

Abbreviations for flags:

optical companion because of:

af = approximately fixed

nc = no common proper motion

hv = high relative velocity

pc = large separation (in pc)

other flags:

no = no relative position given

oo = only one observation given in CCDM or WDS
(hence no relative proper motion available)

For more details see Section 16.

1) **HIP 154 = FK 1630**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61). R.M. Catchpole et al. (1982, Royal Obs. Bull. No. 188, 5) claim from two measurements a variable radial velocity. Many more observations by W.I. Beavers and J.J. Eitter (1986, Astrophys. J. Suppl. Ser. **62**, 147) favour a constant radial velocity.

2) **HIP 301 = FK 905**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1958, Monthly Not. Roy. Astron. Soc. **118**, 609). Barbier-Brossat (1989) gives $v_{rad} = +8$ km/s (Field 17: -5 km/s).

3) **HIP 377 = FK 1001**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1961, Monthly Not. Roy. Astron. Soc. **123**, 233).

4) **HIP 560 = FK 1003**

Radial velocity is variable according to BSC.

5) **HIP 950 = FK 6**

Radial velocity is variable according to J. Andersen and B. Nordström (1983, Astron. Astrophys. **122**, 23).

6) **HIP 1473 = FK 1005**

Radial velocity is variable, but this is probably due to pulsation (E. Antonello et al., 1978, Astron. Astrophys. **66**, 37).

7) **HIP 1562 = FK 9**

2 companions in CCDM+WDS: B(1911: $63''$, 17° , $12^m 9$; af), C(1960: $109''$, 194° , $8^m 6$; nc). TYCHO gives for C(1991: $108''$, 192° , $10^m 64$) and indicates also nc.

8) **HIP 1599 = FK 10**

The faint companion ($\rho \sim 31''$, $10^m 34$) listed in the TYCHO Catalogue (ESA, 1997) is spurious and was caused by side-lobe interferences from the bright FK star (V. Makarov, 1999, private communication).

9) **HIP 2006 = FK 1010**

Probably not a visual binary according to S.W. Burnham (1906, General Catalogue of Double Stars). O. Struve (1878, Pulkova Obs. **9** (Object OΣ8)) gave $\rho \sim 1''$ and $m_B \sim 9$.

10) **HIP 2224 = FK 1012**

Radial velocity is variable (e.g. R.K. Young, 1939, Publ. David Dunlap Obs. Toronto, Vol. 1, No. 3, p. 71; W.I. Beavers and J.J. Eitter, 1986, Astrophys. J. Suppl. Ser. **62**, 147).

11) **HIP 2381 = FK 14**

Announced as a spectroscopic binary by W.S. Adams (1912, *Astrophys. J.* **35**, 163 and *Publ. Astron. Soc. Pacific* **24**, 129). Later observations (e.g. J. Andersen and B. Nordström (1983, *Astron. Astrophys.* **122**, 23)) do not confirm such radial-velocity variations. Doubtful case, mainly because of the large rotational velocity $v_{rot} \sin i \sim 200$ km/s.

12) **HIP 2599 = FK 16**

In spite of some reports on radial-velocity variations (e.g. BSC), the star is probably not a spectroscopic binary (M.M. Jarad et al., 1989, *Monthly Not. Roy. Astron. Soc.* **238**, 1085).

13) **HIP 2661 = FK 1013**

Radial velocity is variable according to W.I. Beavers and J.J. Eitter (1986, *Astrophys. J. Suppl. Ser.* **62**, 147).

14) **HIP 2920 = FK 17**

Radial velocity may be variable according to BSC. H. Sadsaoud et al. (1994, *Astron. Astrophys.* **287**, 509) propose a close binary with a period of 11.53 days and an amplitude of a few km/s. The duplicity is doubtful.

15) **HIP 3245 = FK 1015**

Radial velocity may be variable according to BSC.

16) **HIP 3419 = FK 22**

Radial velocity may be variable according to K.A. Murdoch et al. (1993, *Astrophys. J.* **413**, 349).

17) **HIP 3521 = FK 1017**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1958, *Monthly Not. Roy. Astron. Soc.* **118**, 609) and to W. Buscombe (1963, *Monthly Not. Roy. Astron. Soc.* **126**, 29).

18) **HIP 3781 = FK 31**

Radial velocity is variable according to BSC. Suspicion of variable radial velocity not supported by D.S. Evans et al. (1964, *Royal Obs. Bull. No.* 85).

19) **HIP 3786 = FK 28**

1 companion in CCDM+WDS: B(1960: 113", 14°, 13^m2; nc). Radial velocity may be variable according to BSC.

20) **HIP 3909 = FK 30**

Radial velocity is variable according to BSC.

21) **HIP 4293 = FK 34**

Sinzi (1972) indicates an optical companion. We were unable to identify such a star.

22) **HIP 4577 = FK 35**

Radial velocity is variable according to BSC.

23) **HIP 4592 = FK 1024**

Radial velocity is variable according to J. Andersen and B. Nordström (1983, *Astron. Astrophys. Suppl. Ser.* **52**, 479).

24) **HIP 4852 = FK 1026**

Radial velocity is variable according to W. Buscombe (1963, *Monthly Not. Roy. Astron. Soc.* **126**, 29) and to P.A. Wayman (1961, *Royal Obs. Bull. No.* 36).

25) **HIP 5364 = FK 40**

1 companion in CCDM+WDS: B(1908: 234", 305°, 10^m3; af). TYCHO gives for B(1991: 254", 305°, 10^m78).

26) **HIP 5586 = FK 43**

Radial velocity may be variable (W.W. Campbell, 1928, Publ. Lick Obs. **16**, 15; G.H. Herbig and J.F. Spalding, 1955, *Astrophys. J.* **121**, 118).

27) **HIP 5626 = FK 41**

Barbier-Brossat (1989) gives $v_{rad} = +10$ km/s (Field 17: +18 km/s).

28) **HIP 5661 = FK 44**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1958, *Monthly Not. Roy. Astron. Soc.* **118**, 609) and to W. Buscombe (1963, *Monthly Not. Roy. Astron. Soc.* **126**, 29).

δ Scuti star AI Scl. The pulsation explains the radial-velocity variations.

29) **HIP 6061 = FK 1034**

Radial velocity is variable according to BSC.

30) **HIP 6193 = FK 45**

Radial velocity is variable according to BSC.

31) **HIP 6411 = FK 1035**

Radial velocity is probably variable according to W.I. Beavers (1985, IAU Colloquium No. 88, p. 289). Later, W.I. Beavers and J.J. Eitter (1986, *Astrophys. J. Suppl. Ser.* **62**, 147) consider the radial velocity as essentially constant. Sinzi (1972) claims that the star is an eclipsing binary. This information is probably spurious.

32) **HIP 6537 = FK 47**

1 companion in CCDM+WDS: B(1925: 65", 57°, 14^m8; af).

33) **HIP 6686 = FK 48**

1 companion in CCDM+WDS: B(1925: 132", 66°, 11^m5; af).

Eclipsing binary with a possible period of 759 days. Radial velocity is variable according to BSC and WDS.

34) **HIP 6732 = FK 1039**

Radial velocity is variable according to BSC.

35) **HIP 7083 = FK 1044**

Radial velocity is possibly slightly variable according to W. Buscombe and P.M. Morris (1961, *Monthly Not. Roy. Astron. Soc.* **123**, 233).

36) **HIP 7513 = FK 1045**

2 companions in CCDM+WDS: B(1910: 114", 128°, 12^m6; af), C(1926: 291", 283°, 9^m; af). The spectroscopic-binary orbit provided by H.A. Abt and S.G. Levy (1976, *Astrophys. J. Suppl. Ser.* **30**, 273) is spurious, since this radial-velocity variation was not confirmed by A. Duquennoy and M. Mayor (1991, *Astron. Astrophys.* **248**, 485). The star has probably three planets (R.P. Butler et al., 1997, *Astrophys. J.* **474**, L 115; G.W. Marcy et al., 1999, *Bull. American Astron. Soc.* **194**, No. 14.02).

37) **HIP 7941 = FK 58**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1961, *Monthly Not. Roy. Astron. Soc.* **123**, 233) and to P.A. Wayman (1961, *Royal Obs. Bull. No.* 36).

38) **HIP 7943 = FK 1047**

Radial velocity is variable according to BSC.

39) **HIP 8102 = FK 59**

1 companion in CCDM+WDS: B(1940: 90", 215°, 13^m1; af). The radial velocity is constant (B. Campbell et al., 1988, *Astrophys. J.* **331**, 902; G.A.H. Walker et al., 1995, *Icarus* **116**, 359; A.P. Hatzes et al., 1996, *J. Geophys. Research* **101**, 9285).

40) **HIP 8387 = FK 1050**

Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

41) **HIP 8837 = FK 67**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

Radial velocity may be variable (H. Spencer Jones, 1928, Ann. Cape Obs. **10**, part 8, 95).

42) **HIP 8886 = FK 63**

Radial velocity is variable according to BSC.

43) **HIP 9505 = FK 1054**

Radial velocity is variable according to BSC.

44) **HIP 9598 = FK 70**

Double-lined spectroscopic binary according to BSC.

45) **HIP 9884 = FK 74**

Probably not a spectroscopic binary in spite of earlier claims (W. Schaub, 1932, Z. f. Astrophys. **4**, 35).

46) **HIP 10155 = FK 1056**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61). Radial velocity is variable according to BSC.

47) **HIP 10320 = FK 78**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1961, Monthly Not. Roy. Astron. Soc. **123**, 233) or may be variable according to D.S. Evans et al. (1964, Royal Obs. Bull. No. 85).

48) **HIP 10328 = FK 1057**

The radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

49) **HIP 10440 = FK 1060**

Suspicion of variable radial velocity (W. Buscombe and P.M. Morris, 1958, Monthly Not. Roy. Astron. Soc. **118**, 609).

50) **HIP 10602 = FK 82**

1 companion in CCDM+WDS: B(1985: 88", 223°, 9^m.0; af). TYCHO gives for B(1991: 89", 223°, 9^m.73).

51) **HIP 10642 = FK 80**

Radial velocity may be variable according to BSC.

52) **HIP 10670 = FK 79**

Radial velocity is variable according to BSC.

53) **HIP 10732 = FK 81**

Radial velocity is variable according to GCRV and BSC.

54) **HIP 10819 = FK 1063**

Radial velocity is assumed to be variable by W.S. Adams (1912, Publ. Astron. Soc. Pacific **24**, 129), W.W. Campbell and J.H. Moore (1928, Publ. Lick Obs. **16**, 27), W.E. Harper (1937, Publ. Dominion Astrophys. Obs. **7**, 1), and BSC, but not by GCRV. Duplicity doubtful.

55) **HIP 10993 = FK 1656**

Double-lined spectroscopic binary according to J. Andersen and B. Nordström (1977, Astron. Astrophys. Suppl. Ser. **29**, 309). More information is given by B. Nordström and J. Andersen (1985, Astron. Astrophys. Suppl. Ser. **61**, 53).

- 56) **HIP 11001 = FK 1065**
Radial velocity may be variable according to BSC.
- 57) **HIP 11258 = FK 84**
Radial velocity is variable according to W. Buscombe and P.M. Morris (1958, Monthly Not. Roy. Astron. Soc. **118**, 609).
- 58) **HIP 11345 = FK 1066**
Radial velocity is variable according to Sinzi (1972) and BSC, but not to GCRV.
- 59) **HIP 11407 = FK 86**
Radial velocity may be variable according to BSC.
- 60) **HIP 11486 = FK 1068**
Radial velocity is variable according to BSC.
- 61) **HIP 11698 = FK 1069**
Radial velocity is variable (R. Woolley and G.A. Harding, 1965, Roy. Obs. Bull. No. 93; W.I. Beavers and J.J. Eitter, 1986, Astrophys. J. Suppl. Ser. **62**, 147).
- 62) **HIP 11783 = FK 1071**
Radial velocity is variable according to J.Andersen and B. Nordström (1983, Astron. Astrophys. **122**, 23).
- 63) **HIP 12107 = FK 1074**
2 companions in CCDM+WDS: B(1912: 117", 123°, 13^m.3; pc), C(1912: 146", 189°, 9^m.3; pc).
- 64) **HIP 12387 = FK 91**
Radial velocity is variable (pulsating β Cephei star). Weak indications of binarity are discussed by M.C. Lane (1977, Publ. Astron. Soc. Pacific **89**, 905).
- 65) **HIP 12768 = FK 1077**
Radial velocity may be variable according to G. Burki and M. Mayor (1983, Astron. Astrophys. **124**, 256).
- 66) **HIP 12770 = FK 97**
Radial velocity may be variable (J.A. Morse, 1991, Astron. J. **101**, 1495).
- 67) **HIP 13327 = FK 1079**
Radial velocity is variable according to BSC.
- 68) **HIP 13717 = FK 1080**
Radial velocity may be variable according to W.E. Harper (1937, Publ. Dominion Astrophys. Obs. **7**, 1).
HIP: goodness-of-fit parameter $F2 = 3.51$.
- 69) **HIP 14117 = FK 1084**
Suspected by HIP to be double or multiple (Flag S in HIP Field H61).
- 70) **HIP 14135 = FK 107**
Suspected by HIP to be double or multiple (Flag S in HIP Field H61).
- 71) **HIP 14146 = FK 1085**
Radial velocity may be variable according to BSC.
- 72) **HIP 14187 = FK 1086**
Radial velocity is variable according to W. Buscombe (1963, Monthly Not. Roy. Astron. Soc. **126**, 29).

73) **HIP 14354 = FK 109**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

74) **HIP 14632 = FK 112**

1 companion in CCDM+WDS: B(1912: 146", 132°, 12^m4; oo).

The motion of A is non-linear according to W.D. Heintz (1988, *Astron. J.* **96**, 1072), who suggests an orbital period of 6.5 years. However, the rather low values of the test parameter F do not reveal a non-linear motion of A. In spite of earlier suspicions (BSC) is the radial velocity constant (H.A. Abt and S.G. Levy, 1976, *Astrophys. J. Suppl. Ser.* **30**, 273; B. Campbell et al., 1988, *Astrophys. J.* **331**, 902; G.A.H. Walker et al., 1995, *Icarus* **116**, 359).

75) **HIP 14677 = FK 1088**

Radial velocity is variable according to BSC.

76) **HIP 14838 = FK 114**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

77) **HIP 14930 = FK 118**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

78) **HIP 15110 = FK 1089**

Radial velocity is variable according to BSC.

79) **HIP 15201 = FK 1095**

Radial velocity is variable according to BSC.

80) **HIP 15265 = FK 1092**

Radial velocity is variable according to B. Nordström and J. Andersen (1985, *Astron. Astrophys. Suppl. Ser.* **61**, 53).

81) **HIP 15457 = FK 1093**

2 companions in CCDM+WDS: B(1909: 269", 157°, 9^m6; af), C(BC: 1909: 215", 272°, 11^m9; oo). A. Duquennoy and M. Mayor (1991, *Astron. Astrophys.* **248**, 485) suspected a radial-velocity variation. According to G.A.H. Walker et al. (1995, *Icarus* **116**, 359), this variation may be connected to the chromospheric activity of the star.

82) **HIP 15863 = FK 120**

1 companion in CCDM+WDS: B(1924: 167", 196°, 11^m9; nc, pc). Radial velocity is variable according to BSC.

83) **HIP 15890 = FK 1096**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

84) **HIP 16341 = FK 1097**

Radial velocity is variable according to Sinzi (1972) or may be variable according to BSC, but not to GCRV.

85) **HIP 16509 = FK 128**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1958, *Monthly Not. Roy. Astron. Soc.* **118**, 609).

86) **HIP 16518 = FK 1098**

Flag D in HIP Field H52, based on HIP photometry. This could be an indication of duplicity. Radial velocity is variable according to BSC.

87) **HIP 17304 = FK 133**

Radial velocity is variable according to BSC.

- 88) **HIP 17457 = FK 137**
Radial velocity is variable according to W. Buscombe (1963, Monthly Not. Roy. Astron. Soc. **126**, 29).
- 89) **HIP 17678 = FK 146**
Suspected by HIP to be double or multiple (Flag S in HIP Field H61).
- 90) **HIP 18170 = FK 1106**
Radial velocity may be variable according to BSC.
- 91) **HIP 18217 = FK 1105**
1 companion in TYCHO: B(1991: 67", 88°, 9^m.95; oo).
Flag D in HIP Field H52, based on HIP photometry. This could be an indication of duplicity.
- 92) **HIP 18614 = FK 148**
Probably not a spectroscopic binary. Large variation in the radial velocity may be due to a stellar wind (B. Bohannan and C.D. Garmany, 1978, Astrophys. J. **223**, 908).
- 93) **HIP 18788 = FK 1111**
Radial velocity is variable according to BSC.
- 94) **HIP 18907 = FK 151**
Suspected by HIP to be double or multiple (Flag S in HIP Field H61).
- 95) **HIP 19038 = FK 1112**
2 companions in CCDM+WDS: B(1926: 138", 10°, 9^m.5; hv), C(1923: 235", 213°; ~ oo).
- 96) **HIP 19095 = FK 153**
Radial velocity is variable according to BSC.
- 97) **HIP 19167 = FK 1113**
Radial velocity may be variable according to BSC.
- 98) **HIP 19388 = FK 1115**
Radial velocity is variable according to BSC.
- 99) **HIP 19513 = FK 1116**
 δ Scuti star IM Tau. The pulsation explains the observed radial-velocity variations (e.g. M.A. Smith, 1982, Astrophys. J. **254**, 242).
- 100) **HIP 19587 = FK 154**
 δ Scuti star. The pulsation explains the observed radial-velocity variations.
- 101) **HIP 19860 = FK 1118**
Radial velocity may be variable according to BSC. HIP: percentage of rejected data F1 = 4% .
- 102) **HIP 19893 = FK 157**
Radial velocity may be variable according to BSC. Prototype of the γ -Doradus-class of variable stars. Probably a pulsating star (L.A. Balona et al., 1994, Monthly Not. Roy. Astron. Soc. **267**, 103 and **270**, 905).
- 103) **HIP 20049 = FK 166**
Radial velocity is variable (F.J. Neubauer, 1930, Lick Obs. Bull. **15**, 46). Composite spectrum (K2-3III+A) according to G.T. Davidson et al. (1987, Astron. J. **94**, 771).

104) **HIP 20252 = FK 158**

1 companion in CCDM+WDS: B(1914: 110", 313°, 13^m0; oo).

105) **HIP 20264 = FK 161**

Radial velocity is variable according to BSC.

106) **HIP 20384 = FK 163**

1 companion in TYCHO: B(1991: 86", 295°, 10^m89; oo).

107) **HIP 20507 = FK 1120**

Flag D in HIP Field H52, based on HIP photometry. This could be an indication of duplicity. Radial velocity may be variable according to BSC.

108) **HIP 20884 = FK 1123**

The radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

109) **HIP 20889 = FK 164**

1 companion in CCDM+WDS: B(1910: 182", 268°, 10^m6; oo).

110) **HIP 20974 = FK 1122**

Radial velocity is probably variable (D. Crampton and W. Morrison, 1979, Publ. Astron. Soc. Pacific **91**, 695).

111) **HIP 21242 = FK 1124**

3 companions in CCDM+WDS: B(1914: 116", 198°, 6^m8; nc), C(1909: 104", 225°, 13^m4; oo), D(1909: 76", 354°, 12^m1; oo). B is HIP 21238 (1991: 120", 198°, 6^m80; hv). Radial velocity is variable according to BSC.

112) **HIP 21743 = FK 1127**

Radial velocity is variable (F.J. Neubauer, 1930, Lick Obs. Bull. **15**, 46; H.A. Abt, 1970, Astrophys. J. Suppl. Ser. **19**, 19).

113) **HIP 21861 = FK 1130**

Radial velocity may be variable according to BSC.

114) **HIP 21949 = FK 177**

Radial velocity is variable according to Sinzi (1972) or may be variable according to BSC, but not to GCRV.

115) **HIP 22361 = FK 173**

1 companion in CCDM+WDS: B(1914: 97", 60°, 12^m0; oo). TYCHO gives for another companion : (1991: 62", 206°, 11^m06; oo). Radial velocity is variable according to BSC.

116) **HIP 22449 = FK 1134**

1 companion in CCDM+WDS: B(1924: 90", 143°, 8^m8; af). TYCHO gives B(1991: 76", 163°, 10^m57). A is a spectroscopic binary according to WDS (SB) and BSC (SB2). However, H.A. Abt and S.G. Levy (1976, Astrophys. J. Suppl. Ser. **30**, 273) and A. Duquennoy and M. Mayor (1991, Astron. Astrophys. **248**, 485) do not find variations in the radial velocity.

117) **HIP 22453 = FK 1133**

Radial velocity may be variable according to BSC.

118) **HIP 22565 = FK 1135**

1 companion in CCDM+WDS: B(1963: 177", 302°, 10^m4; nc). Radial velocity is variable according to BSC. δ Scuti star V480 Tau. The pulsation explains the radial-velocity variations.

119) **HIP 23522 = FK 182**

2 companions in CCDM+WDS: B(1976: 83", 209°, 7^m4; pc, hv), C(BC: 1919: 15", 168°, 12^m4). TYCHO gives for B(1991: 83", 209°, 7^m39).

120) **HIP 23607 = FK 1140**

Radial velocity is variable according to BSC.

121) **HIP 23767 = FK 185**

Radial velocity may be variable according to BSC. K. Kodaira (1971, Publ. Astron. Soc. Japan **23**, 159) suspected an orbital period of about 24 days. H.A. Abt and S.G. Levy (1978, Astrophys. J. Suppl Ser. **36**, 241) did not confirm the binarity of this object.

122) **HIP 23875 = FK 188**

1 companion in CCDM+WDS: B(1908: 117", 142°, 10^m9; af). Radial velocity is variable according to Sinzi (1972).

123) **HIP 23972 = FK 190**

β Cephei star. Radial velocity is variable according to H.A. Abt and S.G. Levy (1978, Astrophys. J. Suppl. Ser. **36**, 241). C.T. Bolton (1982, IAU Symp. **98**, 181) explains the radial-velocity variations by pulsation of λ Eri.

124) **HIP 24372 = FK 196**

Radial velocity is variable according to BSC.

125) **HIP 24659 = FK 197**

Radial velocity may be variable according to BSC.

126) **HIP 24813 = FK 1145**

7 companions in CCDM+WDS: B(1900: 29", 274°, 13^m4; af), C(1934: 42", 268°, 12^m1; af), D(1921: 147", 2°, 8^m6; af), E(DE: 1914: 146", 112°, 9^m9; unclear), F(1921: 93", 211°, 11^m1; af), G(EG: 1893: 33", 218°, 10^m9; af), H(EH: 1914: 147", 119°, 10^m7; af).

INCA gives B(106", 310°, 13^m4), C(87", 299°, 12^m1), D(202", 350°, 8^m6), E(DE: 145", 113°, 9^m9), F(93", 253°, 11^m1), G(EG: 33", 216°, 10^m9), H(EH: 147", 119°, 10^m7). At present, all the companions have a separation ρ with respect to A of more than 60".

127) **HIP 25336 = FK 201**

1 companion in CCDM+WDS: B(1909: 180", 144°, 12^m2; nc, hv). Radial velocity may be variable according to BSC.

128) **HIP 25769 = FK 203**

1 companion in TYCHO: B(1991: 66", 130°, 9^m14; pc). Radial velocity may be variable according to BSC.

129) **HIP 25911 = FK 1637**

The radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

130) **HIP 25973 = FK 1150**

Radial velocity may be variable according to BSC.

131) **HIP 26311 = FK 210**

1 companion in CCDM+WDS: B(1908: 180", 57°, 10^m5; pc). Radial velocity is variable according to BSC. While H. Levato et al. (1988, Astrophys. J. Suppl Ser. **68**, 319) tend to confirm the radial-velocity variations, the measurements by M.M. Jarad et al. (1989, Monthly Not. Roy. Astron. Soc. **238**, 1085) favour a constant radial velocity.

132) **HIP 26638 = FK 205**

Radial velocity may be variable according to BSC.

133) **HIP 27288 = FK 219**

Radial velocity is variable according to Sinzi (1972) or may be variable according to BSC.

134) **HIP 27366 = FK 220**

Radial velocity may be variable according to BSC. β Cephei star.

135) **HIP 27621 = FK 1159**

1 companion in TYCHO: B(1991: 90", 294°, 10^m26; oo).

136) **HIP 27628 = FK 223**

Radial velocity is variable according to BSC.

137) **HIP 27949 = FK 1157**

Radial velocity may be variable according to BSC.

138) **HIP 28532 = FK 1638**

Radial velocity is variable according to BSC.

139) **HIP 28814 = FK 230**

Radial velocity may be variable according to BSC.

140) **HIP 28899 = FK 1164**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1958, Monthly Not. Roy. Astron. Soc. **118**, 609).

141) **HIP 29134 = FK 1166**

Radial velocity may be variable according to BSC.

142) **HIP 29490 = FK 233**

The radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

143) **HIP 29997 = FK 234**

Radial velocity is variable according to BSC.

144) **HIP 30324 = FK 243**

1 companion in CCDM+WDS: B(1908: 186", 340°, 9^m8; nc, pc).

Radial velocity is variable according to Sinzi (1972) and BSC, but not to GCRV. β Cephei star.

145) **HIP 30343 = FK 241**

3 companions in CCDM+WDS: B(1899: 122", 141°, 9^m8; nc, hv), C(BC: 1939: 1", 260°, 10^m7), D(1880: 73", 77°, 11^m5; oo). Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

146) **HIP 30438 = FK 245**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61). Radial velocity is possibly slightly variable according to W. Buscombe and P.M. Morris (1961, Monthly Not. Roy. Astron. Soc. **123**, 233).

147) **HIP 30457 = FK 1171**

Radial velocity may be variable according to T.G. Barnes et al. (1986, Publ. Astron. Soc. Pacific **98**, 223).

148) **HIP 30520 = FK 242**

Radial velocity is variable according to BSC and may be variable according to W.I. Beavers and J.J. Eitter (1986, Astrophys. J. Suppl. Ser. **62**, 147).

- 149) **HIP 30678 = FK 1662**
Radial velocity may be variable according to J. Andersen and B. Nordström (1983, *Astron. Astrophys. Suppl. Ser.* **52**, 471).
- 150) **HIP 30772 = FK 246**
2 companions in CCDM+WDS: B(1908: 77", 257°, 9^m2; nc, pc), C(1908: 81", 231°, 9^m2; nc, pc).
Radial velocity may be variable according to BSC.
- 151) **HIP 31278 = FK 1175**
Radial velocity is variable according to Sinzi (1972) and BSC, but not to GCRV.
- 152) **HIP 31676 = FK 247**
3 companions in CCDM+WDS: B(1923: 161", 79°, 9^m1; af), C(1904: 374", 95°, 7^m0; pc),
Q(BQ: 1907: 71", 253°, 12^m8; oo).
- 153) **HIP 31685 = FK 252**
Radial velocity is variable according to W.H. Wright (1911, *Publ. Lick Obs.* **9**, 71) and D. Baade (1989, *Astron. Astrophys.* **222**, 200). Duplicity doubtful, mainly because of $v_{rot} \sin i = 225$ km/s.
- 154) **HIP 31897 = FK 264**
Radial velocity is variable according to W. Buscombe and P.M. Morris (1961, *Monthly Not. Roy. Astron. Soc.* **123**, 233).
- 155) **HIP 32246 = FK 254**
1 companion in CCDM+WDS: B(1982: 111", 94°, 9^m2; pc). TYCHO gives for B(1991: 110", 95°, 9^m64). The proper motions of A and B differ only slightly, but A is rather distant ($r_H = 277$ pc). Radial velocity is variable according to BSC.
- 156) **HIP 32362 = FK 256**
Radial velocity may be variable according to BSC.
- 157) **HIP 32537 = FK 1178**
1 companion in CCDM+WDS: B(1920: 65", 299°, 11^m1; nc:).
- 158) **HIP 32562 = FK 1176**
Radial velocity is variable according to BSC and may be variable according to W.I. Beavers and J.J. Eitter (1986, *Astrophys. J. Suppl. Ser.* **62**, 147).
- 159) **HIP 33018 = FK 261**
2 companions in CCDM+WDS: B(1922: 78", 322°, 12^m6; ~ oo), C(1922: 102", 185°, 12^m7; ~ oo).
Radial velocity is variable according to BSC and WDS, but not to GCRV.
- 160) **HIP 33104 = FK 259**
Radial velocity may be variable according to BSC.
- 161) **HIP 33160 = FK 266**
Radial velocity may be variable according to BSC.
- 162) **HIP 33694 = FK 260**
Radial velocity is variable according to BSC.
- 163) **HIP 33977 = FK 270**
Radial velocity is variable according to BSC.
- 164) **HIP 34045 = FK 271**
Radial velocity is variable according to W. Buscombe and P.M. Morris (1961, *Monthly Not. Roy. Astron. Soc.* **123**, 233).

165) **HIP 34088 = FK 269**

4 companions in CCDM+WDS: B(1984: 87", 84°, 10^m5; pc), C(1984: 100", 348°, 7^m6; pc), P(1984: 70", 352°, 12^m0; pc), R(CR: 1908: 27", 166°, 12^m9; oo). TYCHO gives for C(1991: 100", 348°, 7^m58).

Cepheid. The pulsation explains radial-velocity variations. T.S. Jacobsen and G. Wallerstein (1982, Publ. Astron. Soc. Pacific **94**, 471) conclude that ζ Gem is not a spectroscopic binary, since the γ velocity of the center-of-mass of the star has been constant for 80 years. D.G. Turner and J. Fernie (1978, Inf. Bull. Variable Stars No. 1509) investigate the possibility that the component B (11^m46) is a physical companion of ζ Gem. The separation of 87" between A and B corresponds to 0.16 pc at the distance of A.

166) **HIP 34387 = FK 1185**

Radial velocity may be variable according to BSC.

167) **HIP 34444 = FK 273**

Some older reports on radial-velocity variations (C. Payne, The Stars of High Luminosity, New York and London, 1930, p. 302). Radial velocity is constant according to W. Buscombe and P.M. Morris (1961, Monthly Not. Roy. Astron. Soc. **123**, 233).

168) **HIP 34752 = FK 274**

Radial velocity may be variable according to BSC.

169) **HIP 35228 = FK 281**

Radial velocity is possibly slightly variable according to W. Buscombe and P.M. Morris (1961, Monthly Not. Roy. Astron. Soc. **123**, 233).

170) **HIP 35341 = FK 276**

Radial velocity is variable according to BSC.

171) **HIP 35904 = FK 283**

1 companion in CCDM+WDS: B(1909: 179", 285°, 6^m9; nc, pc). Radial velocity is variable according to BSC.

172) **HIP 35907 = FK 1191**

Radial velocity may be variable according to BSC.

173) **HIP 36046 = FK 282**

Radial velocity is variable according to BSC.

174) **HIP 36795 = FK 288**

1 companion in TYCHO: B(1991: 83", 285°, 10^m34; oo).

175) **HIP 36942 = FK 1198**

The radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

176) **HIP 37036 = FK 1197**

Radial velocity may be variable according to BSC. β Cephei star.

177) **HIP 37391 = FK 909**

Radial velocity is variable according to BSC.

178) **HIP 37891 = FK 1202**

Radial velocity is variable according to BSC.

179) **HIP 37921 = FK 1201**

Radial velocity is variable according to Sinzi (1972) and BSC, but not to GCRV.

- 180) **HIP 37946 = FK 1199**
Suspected by HIP to be double or multiple (Flag S in HIP Field H61). Radial velocity is variable according to BSC.
- 181) **HIP 38373 = FK 1205**
Radial velocity may be variable according to BSC.
- 182) **HIP 38848 = FK 1208**
1 companion in TYCHO: B(1991: 104", 168°, 10^m44; oo).
- 183) **HIP 39117 = FK 300**
Radial velocity may be variable according to BSC.
- 184) **HIP 39191 = FK 1211**
Radial velocity is variable according to BSC.
- 185) **HIP 39326 = FK 1213**
Radial velocity is variable according to BSC.
- 186) **HIP 39429 = FK 306**
Radial velocity may be variable according to BSC.
- 187) **HIP 40215 = FK 1215**
Radial velocity is variable according to BSC.
- 188) **HIP 40259 = FK 311**
Radial velocity may be variable according to BSC.
- 189) **HIP 40559 = FK 1639**
The radial velocity is variable according to GCRV, BSC, and Sinzi (1972).
- 190) **HIP 40793 = FK 310**
Radial velocity is variable according to BSC.
- 191) **HIP 40843 = FK 1217**
Radial velocity may be variable according to H.A. Abt and S.G. Levy (1976, *Astrophys. J. Suppl. Ser.* **30**, 273) and is probably variable according to A. Duquenois and M. Mayor (1991, *Astron. Astrophys.* **248**, 485).
- 192) **HIP 41307 = FK 316**
Radial velocity is variable according to BSC.
- 193) **HIP 41578 = FK 1222**
The radial velocity is variable according to GCRV, BSC, and Sinzi (1972).
- 194) **HIP 41935 = FK 320**
Radial velocity is variable according to BSC.
- 195) **HIP 42313 = FK 1223**
1 companion in CCDM+WDS: B(1909: 244", 312°, 10^m4; nc). Radial velocity is variable according to BSC and WDS.
- 196) **HIP 42452 = FK 323**
Radial velocity may be variable according to BSC.

197) **HIP 42484 = FK 322**

Radial velocity is variable according to BSC.

198) **HIP 42637 = FK 331**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1961, Monthly Not. Roy. Astron. Soc. **123**, 233).

199) **HIP 42806 = FK 1228**

3 companions in CCDM+WDS: B(1984: 112", 67°, 8^m7; nc), P(1908: 103", 258°, 12^m4; oo), Q(BQ: 1908: 95", 102°, 12^m9; oo). TYCHO gives for B(1991: 114", 66°, 10^m20). Radial velocity is variable according to GCRV, BSC, WDS, and Sinzi (1972).

200) **HIP 42828 = FK 327**

2 companions in TYCHO: B(1991: 107", 356°, 8^m05; oo), C(1991: 112", 151°, 10^m78; oo). Radial velocity is variable according to C. Sterken and D. vander Linden (1983, Inf. Bull. Variable Stars No. 2330). They estimate a probable period of about 5 hours.

201) **HIP 43305 = FK 1230**

Radial velocity may be variable according to BSC.

202) **HIP 43798 = FK 1231**

1 companion in CCDM+WDS: B(1918: 66", 146°, 7^m1; nc). B is HIP 43800 (1991: 65", 150°, 7^m06; nc, hv).

203) **HIP 44356 = FK 1235**

Radial velocity is variable according to BSC.

204) **HIP 44382 = FK 343**

Radial velocity is variable according to GCRV and BSC. Double-lined spectroscopic binary according to R.M. Catchpole et al. (1982, Royal Obs. Bull. No. 188, 5).

205) **HIP 44390 = FK 338**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

206) **HIP 44504 = FK 340**

Radial velocity is variable according to BSC.

207) **HIP 44936 = FK 1240**

Radial velocity is variable according to BSC.

208) **HIP 45158 = FK 1242**

Radial velocity may be variable according to BSC.

209) **HIP 45238 = FK 348**

Radial velocity may be variable according to BSC.

210) **HIP 45290 = FK 346**

Radial velocity is variable according to BSC.

211) **HIP 45421 = FK 1640**

Radial velocity is variable (R.E. Wilson and A.H. Joy, 1952, Astrophys. J. **115**, 157; H.A. Abt, 1969, Astrophys. J. Suppl. Ser. **19**, 387). BSC gives SB2.

212) **HIP 45902 = FK 1243**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

213) **HIP 46221 = FK 1245**

1 companion in TYCHO: B(1991: 74", 182°, 10^m00; oo). Radial velocity is variable according to BSC.

214) **HIP 46390 = FK 354**

2 companions in CCDM+WDS: B(1900: 284", 153°, 9^m7; nc), C(1783: 210"; oo).
Radial velocity may be variable according to BSC.

215) **HIP 46515 = FK 356**

Radial velocity is variable according to BSC.

216) **HIP 46952 = FK 360**

Interferometric observations by P.W. Merrill (1922, *Astrophys. J.* **56**, 40) indicated possibly a binary star. However, the object was not resolved by speckle observations (H. McAlister, 1978, *Publ. Astron. Soc. Pacific* **90**, 288; W.I. Hartkopf and H.A. McAlister, 1984, *Publ. Astron. Soc. Pacific* **96**, 105).

217) **HIP 47199 = FK 1248**

1 companion in TYCHO: B(1991: 102", 93°, 8^m92; oo).

218) **HIP 47310 = FK 1249**

Radial velocity is variable according to BSC.

219) **HIP 47431 = FK 1250**

Radial velocity may be variable according to BSC.

220) **HIP 47452 = FK 364**

Radial velocity may be variable according to BSC.

221) **HIP 47594 = FK 363**

Radial velocity may be variable according to BSC. HIP: goodness-of-fit parameter $F2 = 4.03$.

222) **HIP 47723 = FK 1252**

1 companion in CCDM+WDS: B(1909: 282", 138°, 10^m9; pc).

223) **HIP 47854 = FK 1254**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).
Cepheid. This explains the observed radial-velocity variations.

224) **HIP 47908 = FK 367**

Radial velocity may be variable according to BSC.

225) **HIP 47909 = FK 1253**

Probably a spectroscopic binary according to D. Crampton and W. Morrison (1979, *Publ. Astron. Soc. Pacific* **91**, 695).

226) **HIP 48341 = FK 370**

Radial velocity is variable according to BSC.

227) **HIP 48615 = FK 373**

Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

228) **HIP 49339 = FK 1260**

Radial velocity is variable according to BSC.

229) **HIP 49402 = FK 1261**

Radial velocity is variable (O. Struve, 1925, *Astrophys. J.* **62**, 434; R. Woolley et al., 1981, *Roy. Obs. Ann. No.* 14, p. 5). BSC gives SB2.

230) **HIP 50099 = FK 385**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1960, *Monthly. Not. Roy. Astron. Soc.* **121**, 263).

231) **HIP 50191 = FK 382**

Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

232) **HIP 50335 = FK 384**

1 companion in CCDM+WDS: B(1925: 326", 340°, 5^m9; nc, pc). B is HIP 50319 (1991: 332", 338°, 5^m95; nc, hv). Radial velocity is variable according to Sinzi (1972), BSC, and WDS, but not to GCRV. Barbier-Brossat (1989) gives $v_{rad} = -20.6$ km/s (Field 17: -15.6 km/s).

233) **HIP 50414 = FK 1263**

1 companion in TYCHO: B(1991: 119", 230°, 11^m15; oo). Radial velocity is variable according to BSC.

234) **HIP 50448 = FK 1262**

Radial velocity is variable according to BSC.

235) **HIP 50684 = FK 1266**

Radial velocity is variable according to BSC. β Cephei star. The pulsation explains the radial-velocity variations.

236) **HIP 50860 = FK 1267**

Radial velocity is variable according to BSC.

237) **HIP 50954 = FK 391**

Radial velocity is variable according to GCRV and BSC. D.S. Evans et al. (1959, *Monthly Not. Roy. Astron. Soc.* **119**, 638) doubt this.

238) **HIP 51172 = FK 392**

Radial velocity is variable according to BSC.

239) **HIP 51362 = FK 1270**

Radial velocity is variable according to BSC.

240) **HIP 51399 = FK 1271**

1 companion in CCDM+WDS: B(1924: 131", 226°, 8^m3; nc, pc). B is HIP 51390 (1991: 134", 226°, 8^m10; nc, hv).

241) **HIP 51585 = FK 1272**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61). Radial velocity may be variable according to BSC.

242) **HIP 51814 = FK 398**

Radial velocity is variable according to BSC.

243) **HIP 52098 = FK 1275**

Radial velocity is variable according to BSC.

244) **HIP 52316 = FK 404**

Radial velocity may be variable according to BSC.

- 245) **HIP 52457 = FK 405**
Radial velocity is variable according to BSC.
- 246) **HIP 52638 = FK 407**
1 companion in CCDM+WDS: B(1960: 198", 174°, 8^m2; nc, pc). B is HIP 52645 (1991: 197", 173°, 7^m64; nc, hv).
Radial velocity is variable according to BSC.
- 247) **HIP 52660 = FK 1278**
Radial velocity is variable according to BSC.
- 248) **HIP 52911 = FK 409**
Radial velocity is variable according to BSC.
- 249) **HIP 53229 = FK 412**
Radial velocity is variable according to BSC.
- 250) **HIP 53702 = FK 1664**
1 companion in TYCHO: B(1991: 115", 34°, 10^m25; oo).
- 251) **HIP 53721 = FK 1282**
The star has a planetary companion (R.P. Butler and G.W. Marcy, 1996, *Astrophys. J.* **464**, L153).
- 252) **HIP 53761 = FK 413**
Radial velocity may be variable according to BSC.
- 253) **HIP 53910 = FK 416**
Radial velocity is variable according to BSC.
- 254) **HIP 54463 = FK 1289**
Radial-velocity variations may be due to a Cepheid-like pulsation of this yellow supergiant V382 Car (L.A. Ballona, 1982, *Monthly Not. Roy. Astron. Soc.* **201**, 105).
- 255) **HIP 54725 = FK 1290**
Suspected by HIP to be double or multiple (Flag S in HIP Field H61).
- 256) **HIP 54872 = FK 422**
2 companions in CCDM+WDS: B(1924: 191", 344°, 8^m6; nc), P(1911: 95", 41°, 12^m1; nc).
Radial velocity is variable according to BSC.
- 257) **HIP 54879 = FK 423**
Radial velocity is variable according to BSC.
- 258) **HIP 55084 = FK 1292**
1 companion in CCDM+WDS: B(1923: 97", 289°, 8^m5; nc). TYCHO gives for B(1991: 89", 290°, 9^m75).
Radial velocity is variable according to Sinzi (1972) or may be variable according to BSC, but not to GCRV.
- 259) **HIP 55086 = FK 424**
Radial velocity may be variable according to BSC.
- 260) **HIP 55282 = FK 426**
Radial velocity is variable according to BSC.

261) **HIP 55434 = FK 427**

Radial velocity is variable according to BSC.

262) **HIP 55781 = FK 1295**

Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

263) **HIP 55945 = FK 1297**

3 companions in CCDM+WDS: B(1985: 90", 180°, 8^m 1; nc), C(BC: 1910: 107", 234°, 14^m 4; pc), D(1875: 765", 92°, 10^m 0; pc). TYCHO gives for B(1991: 89", 180°, 7^m 42).

264) **HIP 56343 = FK 434**

1 companion in CCDM+WDS: B(1928: 68", 149°, 10^m 7; af). Radial velocity is variable according to BSC.

265) **HIP 56633 = FK 1299**

Radial velocity is variable according to BSC.

266) **HIP 56997 = FK 1300**

1 companion in CCDM+WDS: B(1925: 158", 98°, 10^m 4; af). Radial velocity is variable according to BSC.

267) **HIP 57111 = FK 440**

Radial velocity may be variable according to BSC.

268) **HIP 57380 = FK 1302**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61). Radial velocity may be variable according to BSC.

269) **HIP 57399 = FK 441**

Radial velocity is variable according to BSC.

270) **HIP 57613 = FK 1305**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

271) **HIP 57757 = FK 445**

2 companions in CCDM+WDS: B(1984: 305", 285°, 10^m 6; af), C(1884: 512", 85°, 8^m 8; oo). The absolute proper motions of A and C differ significantly. Radial velocity is constant according to G.A.H. Walker et al. (1995, *Icarus* **116**, 359).

272) **HIP 57939 = FK 1307**

P. van de Kamp (1968, in: *Low Luminosity Stars*. Ed. S. Kumar. Gordon and Breach, New York, p. 199) reported a companion with a separation of $\rho \sim 1''.7$ on parallax plates. He considered the rarely seen companion to be a flare star. In 1968, C. Worley and W.D. Heintz carried out visual observations and noticed a companion with $\rho \sim 2''$. W.R. Beardsley et al. (1974, *Astrophys. J.* **194**, 637) found evidence for orbital motion from radial-velocity variations and positional displacements on parallax plates. They obtained an orbital period of $P = 60$ years. R.F. Griffin (1984, *Observatory* **104**, 192) did not confirm significant variations in the radial velocity. In a rediscussion of the binary nature of the object, W.D. Heintz (1984, *Publ. Astron. Soc. Pacific* **96**, 557) concluded that no evidence for orbital effects of the unconfirmed visual companion is found in the astrometric observations.

The very high value of $F_{0(GC)H}$ of 9.06 should not be taken as a firm confirmation of the binary nature of the object. Firstly, the proper-motion differences from the FK5/HIP comparison give much smaller values of F : The highest value is $F_{0F} = 3.53$, while the usually most sensitive quantity $F_{FH} = 1.93$ is not significantly different from a value expected for a single star. Secondly, $F_{0(GC)H}$ is probably affected by an incorrect treatment of the foreshortening effect for this nearby high-proper motion star in the GC. This is indicated by the fact that the vector of $\Delta\mu_{0(GC)H}$ is anti-parallel to the vector of μ within a tolerance of less than 0°6. Such a nearly perfect alignment of $\Delta\mu$ and μ would be extremely improbable for a $\Delta\mu$ binary, but is fully consistent with a slight error in the foreshortening treatment in the GC, in which case we expect that $\Delta\mu$ is parallel or anti-parallel to μ .

273) **HIP 58001 = FK 447**

Probably not a spectroscopic binary according to S. Hubrig and G. Mathys (1994, *Astron. Nachr.* **315**, 347).

- 274) **HIP 58188 = FK 1309**
Radial velocity may be variable according to BSC.
- 275) **HIP 58874 = FK 1642**
Radial velocity may be variable according to BSC.
- 276) **HIP 58948 = FK 450**
Radial velocity may be variable according to BSC.
- 277) **HIP 58952 = FK 451**
Radial velocity is variable according to BSC.
- 278) **HIP 59747 = FK 455**
Radial velocity may be variable according to BSC.
- 279) **HIP 59774 = FK 456**
2 companions in CCDM+WDS: B(1923: 189", 73°, 10^m0; af), C(1907: 186", 125°, 11^m6; af).
Radial velocity is variable according to BSC. β Cephei star. The pulsation explains the radial-velocity variations.
- 280) **HIP 59803 = FK 457**
Radial velocity is variable according to BSC.
- 281) **HIP 60122 = FK 1316**
Radial velocity is variable according to BSC.
- 282) **HIP 60172 = FK 1317**
1 companion in CCDM+WDS: B(1925: 132", 4°, 11^m6; nc). Radial velocity may be variable according to BSC.
- 283) **HIP 60646 = FK 461**
Radial velocity may be variable according to BSC.
- 284) **HIP 60823 = FK 464**
Radial velocity is variable according to Sinzi (1972) and BSC, but not to GCRV.
- 285) **HIP 60957 = FK 466**
Double-lined spectroscopic binary according to G. Hill et al. (1976, Mem. Roy. Astron. Soc. **82**, 69).
- 286) **HIP 61084 = FK 468**
2 companions in CCDM+WDS: B(1919: 111", 31°, 6^m4; af), C(1880: 155", 82°, 9^m5; oo).
Suspected by HIP to be double or multiple (Flag S in HIP Field H61).
- 287) **HIP 61199 = FK 469**
Radial velocity may be variable according to BSC. HIP: goodness-of-fit parameter $F2 = 3.29$.
- 288) **HIP 61296 = FK 1321**
Radial velocity may be variable according to BSC.
- 289) **HIP 61309 = FK 1322**
Radial velocity is variable according to BSC.
- 290) **HIP 61558 = FK 1324**
Radial velocity is variable according to BSC.

291) **HIP 61740 = FK 475**

3 companions in CCDM+WDS: B(1924: 174", 137°, 9^m1; nc), C(1924: 223", 110°, 10^m4; nc, pc), D(1924: 321", 331°, 9^m1; pc). D is HIP 61721 (1991: 321", 331°, 8^m93; nc, hv).

292) **HIP 61916 = FK 1325**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

293) **HIP 61960 = FK 1326**

Radial velocity may be variable (e.g.: R.O. Gray, 1988, *Astron. J.* **95**, 220). It is a λ Bootis star with $v_{rot} \sin i \sim 175$ km/s. Not necessarily a spectroscopic binary.

294) **HIP 62131 = FK 479**

Radial velocity is variable according to BSC.

295) **HIP 62223 = FK 1327**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61). Radial velocity is slightly variable. This may be due to pulsation rather than to duplicity (C. Barnbaum and K.H. Hinkle, 1995, *Astron. J.* **110**, 805).

296) **HIP 62443 = FK 1330**

Radial velocity may be variable according to BSC.

297) **HIP 62448 = FK 1329**

Radial velocity is variable according to BSC.

298) **HIP 62763 = FK 1332**

Radial velocity may be variable according to BSC.

299) **HIP 62807 = FK 1333**

2 companions in CCDM+WDS: B(1960: 196", 51°, 6^m9; nc, pc), C(1910: 897", 262°, 8^m9; pc). B is HIP 62819 (1991: 196", 51°, 6^m93; nc, hv). C is HIP 62718 (1991: 905", 262°, 8^m78; nc, hv). Radial velocity may be variable according to BSC.

300) **HIP 62985 = FK 1335**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

301) **HIP 63090 = FK 484**

1 companion in CCDM+WDS: B(1925: 165", 138°, 10^m7; af). Suspected by HIP to be double or multiple (Flag S in HIP Field H61). Radial velocity may be variable according to W.I. Beavers and J.J. Eitter (1986, *Astrophys. J. Suppl. Ser.* **62**, 147).

302) **HIP 63608 = FK 488**

1 companion in CCDM+WDS: B(1909: 249", 120°, 11^m9; nc).

303) **HIP 63901 = FK 1337**

Radial velocity is variable according to BSC.

304) **HIP 64246 = FK 491**

2 companions in CCDM+WDS: B(1922: 284", 297°, 6^m3), C(BC: 1991: 1", 271°, 9^m5). B is HIP 64217 (279", 297°, 6^m25; nc, hv). Flag D in HIP Field H52, based on HIP photometry. This could be an indication of duplicity. Radial velocity may be variable, and the object shows probably a composite spectrum (G. Hill et al., 1976, *Memoirs Roy. Astron. Soc.* **82**, 69). Barbier-Brossat (1989) gives $v_{rad} = -16.4$ km/s (Field 17: 0.0 km/s).

305) **HIP 64394 = FK 492**

1 companion in CCDM+WDS: B(1924: 86", 238°, 10^m1; af).

Radial velocity was supposed to be variable with a possible period of 5 years or more by H.A. Abt and S.G. Levy (1976, *Astrophys. J. Suppl. Ser.* **30**, 273). Radial velocity is constant according to G.A.H. Walker et al. (1995, *Icarus* **116**, 359).

306) **HIP 64803 = FK 1342**

Radial velocity may be variable according to BSC.

307) **HIP 64844 = FK 494**

δ Scuti star FM Vir. The radial-velocity variations are probably caused by pulsation (e.g. S. Yang and G.A.H. Walker, 1986, *Publ. Astron. Soc. Pacific* **98**, 862).

308) **HIP 64852 = FK 1344**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61). Radial velocity may be variable according to BSC.

309) **HIP 64924 = FK 1345**

1 companion in CCDM+WDS: B(1907: 232", 29°, 10^m3; af). Radial velocity is possibly variable according to B. Campbell et al. (1988, *Astrophys. J.* **331**, 902) and is constant according to G.A.H. Walker et al. (1995, *Icarus* **116**, 359).

310) **HIP 64962 = FK 495**

1 companion in CCDM+WDS: B(1891: 138", 97°, 10^m; nc). Radial velocity may be variable according to BSC.

311) **HIP 65581 = FK 1348**

Radial velocity may be variable according to BSC.

312) **HIP 65721 = FK 1349**

2 companions in CCDM+WDS: B(1923: 285", 136°, 8^m8; nc), C(1923: 326", 263°; oo).

B is HIP 65749 (1991: 270", 127°, 8^m58; nc, hv).

The star has a planetary companion (G.W. Marcy and R.P. Butler, 1996, *Astrophys. J.* **464**, L147).

313) **HIP 66200 = FK 1351**

Radial velocity is variable according to BSC.

314) **HIP 66607 = FK 503**

Double-lined spectroscopic binary according to J. Andersen and B. Nordström (1977, *Astron. Astrophys. Suppl. Ser.* **29**, 309).

315) **HIP 66753 = FK 1665**

Radial velocity is variable according to F.J. Neubauer (1930, *Lick Obs. Bull.* **15**, 47).

316) **HIP 66803 = FK 1355**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

317) **HIP 66878 = FK 1643**

Radial velocity is variable according to BSC.

318) **HIP 66925 = FK 1356**

1 companion in TYCHO: B(1991: 88", 30°, 10^m22; pc).

Radial velocity is variable according to Sinzi (1972) and BSC, but not to GCRV.

319) **HIP 67057 = FK 1357**

Radial velocity is variable according to BSC.

320) **HIP 67301 = FK 509**

Spectroscopic binary according to K. Kodaira (1971, Publ. Astron. Soc. Japan **23**, 159) with a period of $P = 289.13$ days. Not confirmed by H.A. Abt and S.G. Levy (1978, Astrophys. J. Suppl. Ser. **36**, 241).

321) **HIP 67481 = FK 1359**

Radial velocity is possibly variable according to A.H. Batten (1976, Publ. Dominion Astrophys. Obs. **14**, 367).

322) **HIP 68269 = FK 515**

Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

323) **HIP 68390 = FK 1361**

Radial velocity may be variable according to BSC.

324) **HIP 68478 = FK 517**

Radial velocity is variable according to BSC.

325) **HIP 68520 = FK 516**

2 companions in CCDM+WDS: B(1961: 81", 290°, 9^m5; nc), C(1960: 177", 353°, 12^m5; oo). Radial velocity is variable according to BSC and WDS, but not to GCRV.

326) **HIP 68673 = FK 1364**

Radial velocity is variable according to Sinzi (1972) and BSC, but not to GCRV.

327) **HIP 68763 = FK 1365**

1 companion in TYCHO: B(1991: 102", 348°, 9^m78; oo). Radial velocity is variable according to W. Buscombe and P.M. Morris (1961, Monthly Not. Roy. Astron. Soc. **123**, 233).

328) **HIP 68933 = FK 520**

1 companion in CCDM+WDS: B(1897: 70", 129°, 14^m3; oo). A faint companion ($m \sim 8.0$) with a separation of $\rho \sim 3''$, seen by J. Dunlop in 1826 and by the Harvard observers at Arequipa in 1891, is probably not real (R.T.A. Innes and D. Gill, 1899, Ann. Cape Obs. **2**, part II; T.J.J. See, 1898, Astron. J. **18**, 181).

329) **HIP 69038 = FK 1368**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

330) **HIP 69701 = FK 525**

Deviations from a linear motion of the star as an indication for duplicity have been noted by H. Schwan during the construction of the FK5 and by L.V. Morrison et al. (1990, Astron. Astrophys. **240**, 173) in a comparison of recent meridian-circle positions with the FK5 prediction.

331) **HIP 69989 = FK 1372**

1 companion in CCDM+WDS: B(1922: 157", 217°, 10^m2; nc). Radial velocity may be variable according to BSC.

332) **HIP 70069 = FK 529**

Radial velocity may be variable according to BSC.

333) **HIP 70400 = FK 1375**

Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

334) **HIP 70469 = FK 1376**

Radial velocity may be variable according to BSC.

335) **HIP 70492 = FK 530**

Radial velocity is variable according to Sinzi (1972) and BSC, but not to GCRV.

336) **HIP 70574 = FK 1377**

1 companion in CCDM+WDS: B(1913: 158", 204°, 9^m3; nc, pc).

337) **HIP 71040 = FK 536**

Radial velocity may be variable according to BSC.

338) **HIP 71284 = FK 1380**

2 companions in CCDM+WDS: B(1924: 233", 83°, 9^m8; nc), C(1907: 237", 97°, 11^m3; af).

Radial velocity is probably variable according to A. Duquenooy and M. Mayor (1991, *Astron. Astrophys.* **248**, 485).

339) **HIP 71352 = FK 537**

Probably an eclipsing binary according to HIP. Composite spectrum and radial-velocity variations suggested a spectroscopic-binary nature of this object (e.g.: W.H. Wright, 1909, *Lick Obs. Bull.* **5**, 176; A.J. Cannon and E.C. Pickering, 1920, *Annals Astron. Obs. Harvard Coll.* **95**, especially p. 313). J. Dachs et al. (1986, *Astron. Astrophys. Suppl. Ser.* **63**, 87) argue that the binary appearance is spurious and caused by other effects (Be-shell star). S. Stefl et al. (1995, *Astron. Astrophys.* **294**, 135) conclude that the available data cannot exclude a contact binary with an 0.6-day orbital period. $v_{rot} \sin i \sim 350$ km/s.

T.J.J. See (1898, *Astron. J.* **18**, 181) reported three observations of a visual companion in 1897 with $\rho \sim 6''$ and $m_B \sim 14.8$. No further observations are available. The object is removed from modern double-star catalogues (such as the WDS). Sinzi (1972) mentions a common-proper-motion companion, which we could not identify. Probably he had in mind the companion announced by See.

340) **HIP 71618 = FK 540**

Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

341) **HIP 71837 = FK 1382**

Radial velocity is variable according to BSC.

342) **HIP 71957 = FK 545**

Radial velocity is variable (W.W. Campbell, 1913, *Lick Obs. Bull.* **7**, 113; H.A. Abt and S.G. Levy, 1976, *Astrophys. J. Suppl. Ser.* **30**, 273). Abt and Levy (1976) give a probable orbital period of $P \sim 358$ days.

343) **HIP 71995 = FK 1383**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

Radial velocity may be variable according to W.I. Beavers and J.J. Eitter (1986, *Astrophys. J. Suppl. Ser.* **62**, 147).

344) **HIP 72124 = FK 1384**

Radial velocity is variable according to BSC.

345) **HIP 72220 = FK 547**

Radial velocity may be variable according to BSC.

346) **HIP 72469 = FK 1386**

Radial velocity may be variable according to BSC.

347) **HIP 72573 = FK 1644**

Radial velocity is variable according to BSC.

348) **HIP 72607 = FK 550**

1 companion in CCDM+WDS: B(1908: 209", 342°, 11^m4; nc). Radial velocity is variable according to BSC.

349) **HIP 72664 = FK 549**

Radial velocity may be variable according to BSC.

350) **HIP 73087 = FK 551**

Radial velocity may be variable according to BSC.

351) **HIP 73133 = FK 1390**

Radial velocity is variable according to BSC.

352) **HIP 73273 = FK 552**

Radial velocity is variable according to H. Levato et al. (1987, *Astrophys. J. Suppl. Ser.* **64**, 487).

353) **HIP 73714 = FK 556**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

354) **HIP 73909 = FK 1397**

Radial velocity may be variable according to BSC.

355) **HIP 73996 = FK 1396**

2 companions in CCDM+WDS: B(1923: 106", 51°, 10^m8; nc), C(1923: 243", 40°, 9^m9; nc).
Radial velocity is variable according to BSC.

356) **HIP 74785 = FK 564**

Radial velocity may be variable (D.B. McLaughlin, 1932, *Publ. Obs. Univ. Michigan*, Vol. IV, No. 2, p. 29). W. Buscombe and P.M. Kennedy (1965, *Monthly Not. Royal Astron. Soc.* **130**, 281) list β Lib under stars with constant radial velocities.

357) **HIP 74946 = FK 560**

Radial velocity is variable according to Sinzi (1972) and BSC, but not to GCRV.

358) **HIP 75097 = FK 569**

δ Scuti star. O. Struve (1923, *Popular Astron.* **31**, 90) presented a spectroscopic-binary orbit for γ UMi with an orbital period of about 0.11 days. This orbit is probably spurious. The radial-velocity variations are more probably due to pulsations or shell effects (e.g. H.F. Weaver, 1952, *Astrophys. J.* **116**, 541).

359) **HIP 75304 = FK 1403**

Radial velocity is variable according to H. Levato et al. (1987, *Astrophys. J. Suppl. Ser.* **64**, 487).

360) **HIP 75342 = FK 1406**

Radial velocity is variable according to BSC.

361) **HIP 75458 = FK 571**

1 companion in CCDM+WDS: B(1909: 255", 50°, 9^m2; unclear). Separation ρ corresponds to 0.04 pc, if A and B are at a common distance.

362) **HIP 75730 = FK 1407**

Radial velocity may be variable according to BSC.

363) **HIP 76440 = FK 574**

1 companion in CCDM+WDS: B(1918: 83", 218°, 9^m5; nc). TYCHO gives for B(1991: 82", 220°, 9^m32).
Radial velocity may be variable according to BSC.

364) **HIP 76534 = FK 580**

Radial velocity may be variable according to BSC.

- 365) **HIP 76996 = FK 1666**
1 companion in TYCHO: B(1991: 66", 333°, 10^m55; oo).
- 366) **HIP 77055 = FK 590**
Radial velocity is variable according to BSC.
- 367) **HIP 77277 = FK 587**
Radial velocity is variable according to Sinzi (1972) and BSC, but not to GCRV.
- 368) **HIP 77622 = FK 588**
Radial velocity is variable according to BSC.
- 369) **HIP 77655 = FK 1414**
1 companion in CCDM+WDS: B(1926: 135", 203°, 11^m5; nc).
- 370) **HIP 78072 = FK 591**
2 companions in CCDM+WDS: B(1924: 220", 318°, 10^m5; af), C(BC: 1908: 177", 165°, 10^m9; oo).
The separation of AC was 101" in 1908. Radial velocity may be variable according to BSC.
- 371) **HIP 78180 = FK 595**
Radial velocity is variable according to BSC. δ Scuti star CL Dra. The pulsation explains the radial-velocity variations.
- 372) **HIP 78207 = FK 1417**
Radial velocity is variable according to Sinzi (1972) or may be variable according to BSC, but not to GCRV.
 $v_{rot} \sin i \sim 400$ km/s (R.W. Hanuschik, 1986, Astron. Astrophys. **166**, 185).
- 373) **HIP 78436 = FK 1420**
Radial velocity may be variable according to P.C. Frisch (1987, Astrophys. J. Suppl. Ser. **65**, 313).
- 374) **HIP 79137 = FK 1422**
Radial velocity is variable according to BSC.
- 375) **HIP 79280 = FK 606**
Radial velocity is variable according to BSC.
- 376) **HIP 79593 = FK 603**
2 companions in CCDM+WDS: B(1908: 66", 295°, 13^m4; nc), C(1879: 266", 127°, 10^m0; oo). Radial velocity is variable according to BSC and may be variable according to T.G. Barnes et al. (1986, Publ. Astron. Soc. Pacific **98**, 223).
HIP: percentage of rejected data $F1 = 4\%$.
- 377) **HIP 80047 = FK 1424**
2 companions in CCDM+WDS: B(1919: 103", 12°, 5^m3; pc), C(1919: 90", 74°, 12^m5; pc). B is HIP 80057 (1991: 103", 10°, 5^m27; hv). Suspected by HIP to be double or multiple (Flag S in HIP Field H61).
- 378) **HIP 80179 = FK 1427**
Radial velocity may be variable according to BSC.
- 379) **HIP 80375 = FK 614**
1 companion in TYCHO: B(1991: 85", 116°, 9^m60; oo). HIP: percentage of rejected data $F1 = 4\%$.
- 380) **HIP 80650 = FK 619**
Radial velocity is variable according to BSC.

381) **HIP 80850 = FK 623**

Radial velocity may be variable according to BSC.

382) **HIP 80911 = FK 1431**

Radial velocity is variable according to Sinzi (1972) and BSC, but not to GCRV.

383) **HIP 80991 = FK 1432**

Radial velocity is variable according to BSC.

384) **HIP 81065 = FK 611**

In contrast to earlier claims (e.g., W.H. Wright, 1911, Publ. Lick Obs. **9**, 71), the radial velocity does not seem to be variable (K.A. Murdoch et al., 1993, Astrophys. J. **413**, 349).

385) **HIP 81266 = FK 620**

Radial velocity is variable according to Sinzi (1972) and BSC, but not to GCRV. Radial velocity may be variable according to H. Levato et al. (1987, Astrophys. J. Suppl. Ser. **64**, 487).

386) **HIP 81300 = FK 1433**

1 companion in CCDM+WDS: B(1910: 100", 245°, 13^m4; oo).

Radial velocity may be variable or constant according to A. Young et al. (1987, Astrophys. J. **317**, 787).

387) **HIP 81377 = FK 622**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1960, Monthly Not. Roy. Astron. Soc. **121**, 263) and may be variable according to P.S. Conti et al. (1977, Astrophys. J. **214**, 759).

Barbier-Brossat (1989) gives $v_{rad} = -9$ km/s (Field 17: -15 km/s).

388) **HIP 81833 = FK 626**

2 companions in CCDM+WDS: B(1901: 114", 262°, 12^m; unclear), P(1879: 80", 260°; oo).

Radial velocity may be variable according to BSC.

389) **HIP 82351 = FK 1437**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

390) **HIP 82526 = FK 629**

Radial velocity may be variable according to BSC.

391) **HIP 82587 = FK 1441**

1 companion in CCDM+WDS: B(1961: 71", 64°, 12^m1; af).

392) **HIP 82673 = FK 1442**

Radial velocity is variable (e.g.: W.W. Campbell, 1910, Lick Obs. Bull. **6**, 57; R. Woolley et al., 1981, Roy. Obs. Ann. No. 14, p. 5). Lick Observatory reports spectra of two stars, but later observations do not confirm this.

393) **HIP 83057 = FK 1444**

Radial velocity is variable according to BSC.

394) **HIP 83153 = FK 632**

Sinzi (1972) indicates a common-proper-motion companion. We were unable to identify such a star.

395) **HIP 83262 = FK 1445**

1 companion in CCDM+WDS: B(1923: 94", 69°, 9^m8; nc?). TYCHO gives for B(1991: 99", 68°, 9^m64). Flag D in HIP Field H52, based on HIP photometry. This could be an indication of duplicity.

396) **HIP 83313 = FK 1446**

Radial velocity may be variable according to BSC.

397) **HIP 83593 = FK 1448**

Flag D in HIP Field H52, based on HIP photometry. This could be an indication of duplicity.

398) **HIP 83613 = FK 635**

1 companion in CCDM+WDS: B(1924: 56", 309°, 10^m9; af). INCA gives B(60", 307°, 10^m9). At present, the separation is probably slightly larger than 60". Radial velocity may be variable according to BSC.

399) **HIP 83740 = FK 1447**

1 companion in TYCHO: B(1991: 112", 123°, 10^m46; pc). Radial velocity is variable according to BSC.

400) **HIP 83854 = FK 1449**

Radial velocity may be variable according to BSC.

401) **HIP 83962 = FK 1450**

Radial velocity may be variable according to BSC.

402) **HIP 84862 = FK 1456**

2 companions in CCDM+WDS: B(1983: 289", 338°, 9^m7; af), C(BC: 1911: 9", 216°, 12^m9). Radial velocity is variable according to BSC and may be variable according to T.G. Barnes et al. (1986, Publ. Astron. Soc. Pacific **98**, 223).

403) **HIP 85379 = FK 650**

Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

404) **HIP 85696 = FK 649**

Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

405) **HIP 85760 = FK 1455**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

406) **HIP 85805 = FK 659**

1 companion in CCDM+WDS: B(1960: 103", 344°, 11^m4; nc:). Radial velocity is variable according to GCRV, Sinzi (1972), BSC, and WDS.

407) **HIP 85822 = FK 913**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61). Radial velocity may be variable according to BSC.

408) **HIP 85888 = FK 1462**

Radial velocity may be variable according to BSC.

409) **HIP 86670 = FK 660**

β Cephei star. Radial velocity is variable (N.R. Lomb and R.R. Shobbrook, 1975, Monthly Not. Roy. Astron. Soc. **173**, 709). This may be due to pulsation (J.R. King and T. Liu, 1990, Publ. Astron. Soc. Pacific **102**, 328).

410) **HIP 86736 = FK 1463**

BSC classifies the star as a double star with a separation of 0^o.02 and a magnitude difference of 1^m.8, but remarks that the duplicity is uncertain.

411) **HIP 86742 = FK 665**

Radial velocity is variable according to BSC.

412) **HIP 87072 = FK 1464**

Cepheid X Sgr. This explains the observed radial-velocity variations.

413) **HIP 87108 = FK 668**

Proposed as spectroscopic binary by O.J. Lee (1910, *Astrophys. J.* **32**, 300). Duplicity very uncertain according to E.B. Frost et al. (1929, *Publ. Yerkes Obs.* **7**, 1).

414) **HIP 87234 = FK 675**

1 companion in TYCHO: B(1991: 111", 57°, 10^m:50; oo).

415) **HIP 87289 = FK 1466**

Radial velocity may be variable according to J. Andersen and B. Nordström (1983, *Astron. Astrophys. Suppl. Ser.* **52**, 479).

416) **HIP 87585 = FK 671**

1 companion in CCDM+WDS: B(1963: 316", 290°, 15^m:6; oo). Radial velocity may be variable according to BSC.

417) **HIP 88258 = FK 1470**

1 companion in TYCHO: B(1991: 72", 222°, 11^m:19; pc). Radial velocity may be variable according to BSC.

418) **HIP 88635 = FK 679**

Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

419) **HIP 89482 = FK 684**

Radial velocity is variable according to BSC.

420) **HIP 89605 = FK 1474**

Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

421) **HIP 89962 = FK 688**

1 companion in CCDM+WDS: B(1924: 180", 61°, 12^m:1; af). Radial velocity may be variable according to BSC.

422) **HIP 90139 = FK 690**

2 companions in CCDM+WDS: B(1924: 226", 321°, 10^m:4; af), P(1924: 145", 91°; oo).
Radial velocity may be variable according to BSC.

423) **HIP 90422 = FK 691**

Radial velocity may be variable according to BSC.

424) **HIP 90496 = FK 692**

1 companion in TYCHO: B(1991: 88", 186°, 9^m:84; oo).

425) **HIP 90595 = FK 696**

Radial velocity is variable according to Sinzi (1972) or may be variable according to BSC, but not to GCRV.

426) **HIP 90642 = FK 1480**

W.H. Christie (1933, *Publ. Astron. Soc. Pacific* **45**, 190) presented a set of preliminary orbital elements for 60 Ser as a spectroscopic binary. H.A. Abt and S.G. Levy (1971, *Publ. Astron. Soc. Pacific* **83**, 687) found no convincing evidence for the duplicity of this object.

427) **HIP 90647 = FK 700**

Radial velocity may be variable according to BSC.

428) **HIP 90762 = FK 1481**

Radial velocity may be variable according to BSC.

429) **HIP 90982 = FK 697**

Radial velocity is variable according to Sinzi (1972) or may be variable according to BSC, but not to GCRV.

430) **HIP 91262 = FK 699**

4 companions in CCDM+WDS: B(1947: 63", 173°, 9^m5; af), C(1899: 54", 285°, 11^m0; nc:), D(CD: 1897: 31", 35°; oo), E(1922: 118", 39°, 9^m5; nc). Present separation between A and C and between A and D probably larger than 60".

Suspected by HIP to be double or multiple (Flag S in HIP Field H61). Radial velocity is variable according to BSC. δ Scuti star.

431) **HIP 92041 = FK 1487**

Radial velocity may be variable (O.J. Lee, 1910, *Astrophys. J.* **32**, 300; W.W. Campbell and J.H. Moore, 1928, *Lick. Obs. Bull.* **16**, 273). Probably indications for binarity during lunar occultations (1929–1933). R.H. Wilson (1950, *Astron. J.* **55**, 153 and 1951, *Astron. J.* **56**, 69) reported duplicity with $\rho \sim 0''.2$. The visual-binary nature was found to be spurious by W.H. van den Bos (1951, *Journal des Obs.* **34**, 85) and by W.S. Finsen (1951, *Astron. J.* **56**, 56).

432) **HIP 92088 = FK 1488**

Radial velocity may be variable according to BSC.

433) **HIP 92609 = FK 704**

1 companion in CCDM+WDS: B(1918: 63", 206°, 12^m4; pc).

Radial velocity is variable according to Sinzi (1972) and BSC, but not to GCRV.

434) **HIP 92855 = FK 706**

1 companion in CCDM+WDS: B(1838: 309", 244°, 9^m5; pc).

Radial velocity is variable according to Sinzi (1972) and BSC, but not to GCRV.

435) **HIP 92862 = FK 711**

Semi-regular variable star R Lyr. Radial velocity is variable. Formerly interpreted as a triple stellar system (BSC). In reality, the radial-velocity variations are most probably due to pulsation (V.C. Cristian et al., 1995, *Publ. Astron. Soc. Pacific* **107**, 411; F. Kerschbaum et al., 1996, *Astron. Astrophys.* **311**, 273). Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

436) **HIP 92882 = FK 1495**

1 companion in TYCHO: B(1991: 67", 111°, 9^m53; oo). Radial velocity may be variable according to BSC.

437) **HIP 93148 = FK 708**

Radial velocity is variable according to GCRV and W. Buscombe and P.M. Morris (1958, *Monthly Not. Roy. Astron. Soc.* **118**, 609).

438) **HIP 93805 = FK 717**

Radial velocity is variable according to Sinzi (1972) and BSC, but not to GCRV.

439) **HIP 93843 = FK 1498**

Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

440) **HIP 94376 = FK 723**

1 companion in CCDM+WDS: B(1907: 88", 352°, 12^m4; nc).

441) **HIP 94385 = FK 1500**

Radial velocity is probably variable according to H.A. Abt et al. (1990, *Astrophys. J. Suppl. Ser.* **74**, 551).

442) **HIP 94713 = FK 724**

2 companions in CCDM+WDS: B(1964: 100", 74°, 9^m2; nc, pc), C(1908: 101", 127°, 11^m0; pc). TYCHO gives for B(1991: 99", 70°, 10^m:14).

443) **HIP 94714 = FK 1499**

Radial velocity is variable according to B. Nordström and J. Andersen (1985, *Astron. Astrophys. Suppl. Ser.* **61**, 53).

444) **HIP 94779 = FK 726**

Radial velocity is variable according to BSC.

445) **HIP 94834 = FK 725**

Radial velocity is variable according to BSC. HIP: percentage of rejected data $F1 = 4\%$.

446) **HIP 94986 = FK 1501**

Radial velocity is variable according to W. Buscombe (1963, *Monthly Not. Roy. Astron. Soc.* **126**, 29).

447) **HIP 95167 = FK 734**

1 companion in TYCHO: B(1991: 110", 182°, 10^m:48; oo). Radial velocity is variable according to BSC.

448) **HIP 95347 = FK 728**

Radial velocity is variable according to GCRV and to W. Buscombe (1963, *Monthly Not. Roy. Astron. Soc.* **126**, 29).

449) **HIP 95447 = FK 1503**

2 companions in CCDM+WDS: B(1926: 99", 335°, 8^m:7; af), C(1922: 114", 316°, 10^m:6; af). TYCHO gives for B(1991: 96", 295°, 8^m:55).

Radial velocity is probably variable according to A. Duquennoy and M. Mayor (1991, *Astron. Astrophys.* **248**, 485).

450) **HIP 95619 = FK 731**

Radial velocity may be variable according to BSC.

451) **HIP 95690 = FK 1504**

3 companions in CCDM+WDS: B(1985: 74", 240°, 8^m:3; nc), C(BC: 1932: 8", 195°, 12^m:8; nc), D(1873: 71", 96°, 11^m:; oo). TYCHO gives for B(1991: 74", 239°, 8^m:32) and D(1991: 73", 94°, 10^m:76).

BSC claims a common proper motion of A and B. This is unjustified, since B is a high-proper motion star (LTT 7685), while A has a small proper motion.

452) **HIP 95771 = FK 1508**

1 companion in CCDM+WDS: B(1925: 414", 28°, 5^m:8; af). B is HIP 95785 (1991: 423", 28°, 5^m:82; nc, hv). Radial velocity may be variable according to BSC.

453) **HIP 95853 = FK 733**

Radial velocity may be variable according to BSC.

454) **HIP 95937 = FK 1509**

Radial velocity may be variable according to BSC.

455) **HIP 96052 = FK 1510**

1 companion in TYCHO: B(1991: 116", 203°, 10^m:90; pc). Radial velocity may be variable according to BSC.

456) **HIP 96483 = FK 737**

Radial velocity is variable according to Sinzi (1972) and BSC, but not to GCRV.

457) **HIP 97278 = FK 741**

1 companion in CCDM+WDS: B(1908: 133", 258°, 10^m8; pc). Radial velocity is variable according to BSC.

458) **HIP 97290 = FK 1517**

Radial velocity is variable according to BSC.

459) **HIP 97421 = FK 739**

1 companion in TYCHO: B(1991: 102", 333°, 9^m49; oo).

Radial velocity is variable according to W. Buscombe and P.M. Morris (1961, Monthly Not. Roy. Astron. Soc. **123**, 233).

460) **HIP 97804 = FK 746**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61). Note in HIP photometry: Appears double from a comparison between AC and DC magnitudes. Cepheid. The pulsation explains the observed radial-velocity variations. N.R. Evans (1992, Astrophys. J. **384**, 220) lists a 'photometric companion'.

461) **HIP 97871 = FK 1519**

Radial velocity is variable according to BSC.

462) **HIP 98495 = FK 748**

Radial velocity may be variable according to BSC.

463) **HIP 98688 = FK 753**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61). Radial velocity is variable according to BSC.

464) **HIP 99120 = FK 755**

Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

465) **HIP 99303 = FK 1525**

2 companions in TYCHO: B(1991: 82", 122°, 9^m37; pc), C(1991: 104", 44°, 10^m49; pc).

Radial velocity is variable according to Sinzi (1972) or may be variable according to BSC, but not to GCRV.

Barbier-Brossat (1989) gives $v_{rad} = -7.9$ km/s (Field 17: -13.6 km/s).

466) **HIP 99655 = FK 758**

Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

467) **HIP 99742 = FK 1526**

Radial velocity may be variable according to BSC.

468) **HIP 99951 = FK 760**

Radial velocity is variable according to BSC.

469) **HIP 100062 = FK 1529**

Radial velocity may be variable according to BSC.

470) **HIP 100151 = FK 1528**

Radial velocity may be variable (J. Andersen and B. Nordström, 1983, Astron. Astrophys. Suppl. Ser. **52**, 479).

471) **HIP 101067 = FK 1535**

1 companion in TYCHO: B(1991: 119", 282°, 10^m49; pc).

472) **HIP 101076 = FK 1534**

Radial velocity may be variable according to BSC.

473) **HIP 101101 = FK 1533**

Radial velocity is variable according to BSC.

474) **HIP 101134 = FK 1538**

Radial velocity may be variable according to BSC.

475) **HIP 101421 = FK 768**

Radial velocity is variable according to BSC.

476) **HIP 101489 = FK 1537**

Radial velocity is variable (J. Andersen and B. Nordström, 1983, *Astron. Astrophys. Suppl. Ser.* **52**, 479).

477) **HIP 101984 = FK 773**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

478) **HIP 102014 = FK 1540**

Radial velocity may be variable according to BSC.

479) **HIP 102098 = FK 777**

1 companion in CCDM+WDS: B(1925: 75", 106°, 11^m.7; pc). Radial velocity is variable according to BSC.
HIP: percentage of rejected data $F1 = 4\%$.

480) **HIP 102208 = FK 915**

Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

481) **HIP 102333 = FK 776**

The spectral type is variable (S. Malaroda, 1973, *Publ. Astron. Soc. Pacific* **85**, 328), but no indications of radial-velocity variations.

482) **HIP 102485 = FK 779**

Radial velocity is variable according to BSC.

483) **HIP 102618 = FK 781**

Radial velocity may be variable according to BSC.

484) **HIP 102624 = FK 1543**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

485) **HIP 102770 = FK 1545**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

486) **HIP 102978 = FK 1546**

Radial velocity is variable according to BSC.

487) **HIP 103200 = FK 786**

1 companion in TYCHO: B(1991: 102", 81°, 9^m.83; pc). Radial velocity may be variable according to BSC.

488) **HIP 103460 = FK 1548**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1958, *Monthly Not. Roy. Astron. Soc.* **118**, 609).

489) **HIP 103682 = FK 789**

Radial velocity may be variable according to BSC.

490) **HIP 103882 = FK 790**

1 companion in TYCHO: B(1991: 100", 207°, 10^m71; oo). Radial velocity may be variable according to BSC.

491) **HIP 104105 = FK 795**

Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).
Barbier-Brossat (1989) gives $v_{rad} = -22.5$ km/s (Field 17: -16 km/s).

492) **HIP 104139 = FK 1552**

BSC claims that the radial velocity is variable. However, the orbital elements (H.A. Abt, 1961, *Astrophys. J. Suppl. Ser.* **6**, 37) given in the remarks of BSC refer to θ Cep (instead of θ Cap). Probably a misidentification in BSC and SIMBAD.

493) **HIP 104189 = FK 1553**

The radial velocity is variable according to J. Andersen and B. Nordström (1983, *Astron. Astrophys. Suppl. Ser.* **52**, 479).

494) **HIP 104755 = FK 1554**

Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).

495) **HIP 105140 = FK 801**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1961, *Monthly Not. Roy. Astron. Soc.* **123**, 233) and to W. Buscombe (1963, *Monthly Not. Roy. Astron. Soc.* **126**, 29).
Barbier-Brossat (1989) gives $v_{rad} = +7.2$ km/s (Field 17: -1 km/s).

496) **HIP 105199 = FK 803**

3 companions in CCDM+WDS: B(1908: 207", 22°, 10^m4; af), C(B(CD): 1908: 20", 172°, 11^m1; oo),
D(CD: 1908: 3", 104°, 11^m3). Radial velocity is variable according to BSC.

497) **HIP 105515 = FK 1561**

According to HIP: eclipsing binary (type: EA) with a possible period of 4.1221 days. HIP does not confirm the period of 68.0 days obtained by G.L. Henry et al. (1995, *Astron. J.* **110**, 2926) from their photometry. The radial velocity is constant according to G.L. Henry et al., who interpret the period of 68 days as the rotational period of the star indicated by stellar spots.

498) **HIP 105858 = FK 805**

Radial velocity is variable according to Sinzi (1972), but K.A. Murdoch et al. (1993, *Astrophys. J.* **413**, 349) do not find any significant variations in the radial velocity.

499) **HIP 106021 = FK 1564**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

500) **HIP 106093 = FK 807**

Radial velocity is variable according to Sinzi (1972) or may be variable according to BSC, but not to GCRV.

501) **HIP 106429 = FK 1567**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1958, *Monthly Not. Roy. Astron. Soc.* **118**, 609).

502) **HIP 106787 = FK 1570**

Radial velocity is variable according to Sinzi (1972) or may be variable according to BSC, but not to GCRV.
Barbier-Brossat (1989) gives $v_{rad} = -35.8$ km/s (Field 17: -25 km/s).

503) **HIP 107315 = FK 815**

2 companions in CCDM+WDS: B(1961: 83", 324°, 12^m7; af), C(1914: 143", 321°, 8^m9; pc).
Suspected by HIP to be double or multiple (Flag S in HIP Field H61). Radial velocity is variable according to BSC.

504) **HIP 107418 = FK 1572**

Radial velocity is variable according to BSC.

505) **HIP 107445 = FK 1571**

1 companion in TYCHO: B(1991: 93", 22°, 10^m70; oo).

506) **HIP 107517 = FK 818**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1958, Monthly Not. Roy. Astron. Soc. **118**, 609).

507) **HIP 107575 = FK 1574**

Radial velocity may be variable according to BSC.

508) **HIP 107649 = FK 1573**

1 companion in CCDM+WDS: B(1932: 55", 356°, 8^m6; nc). Tycho gives for B (1991: 73", 351°, 8^m65).

509) **HIP 108022 = FK 823**

Radial velocity may be variable according to E.B. Frost et al. (1926, Astrophys. J. **64**, 1) and to H.A. Abt et al. (1990, Astrophys. J. **74**, 551). K. Kodaira (1971, Publ. Astron. Soc. Japan **23**, 159) determined a period of 17.79 days, but remarked that the scatter in many of the data is extraordinarily large. Duplicity uncertain. $v_{rot} \sin i \sim 150$ km/s.

510) **HIP 108036 = FK 1577**

Radial velocity is variable according to BSC. HIP: percentage of rejected data $F1 = 4\%$.

511) **HIP 109074 = FK 827**

1 companion in CCDM+WDS: B(1907: 113", 41°, 12^m2; pc).

Radial velocity may be variable according to BSC and to T.G. Barnes et al. (1986, Publ. Astron. Soc. Pacific **98**, 223).

512) **HIP 109139 = FK 828**

Double-lined spectroscopic binary (e.g.: E.B. Frost et al., 1926, Astrophys. J. **64**, 1; W.W. Campbell and J.H. Moore, 1928, Publ. Lick Obs. **16**, 321).

513) **HIP 109400 = FK 837**

Radial velocity is variable according to BSC.

514) **HIP 109492 = FK 836**

Suspected spectroscopic binary (e.g.: J. Moore, 1932, Publ. Lick Obs. **18**, especially p. 212; K.C. Gordon, 1943, Publ. Astron. Soc. Pacific **55**, 100; G. Burki and M. Mayor, 1983, Astron. Astrophys. **124**, 256).

515) **HIP 110256 = FK 839**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61).

516) **HIP 110386 = FK 843**

Radial velocity may be variable according to BSC. Barbier-Brossat (1989) gives $v_{rad} = +1$ km/s (Field 17: +9.6 km/s).

517) **HIP 110672 = FK 1585**

Radial velocity is variable according to BSC.

518) **HIP 110986 = FK 1588**

Radial velocity may be variable according to BSC.

519) **HIP 110992 = FK 1589**

Radial velocity is variable according to BSC.

- 520) **HIP 111056 = FK 1593**
Radial velocity is variable according to GCRV, BSC, and Sinzi (1972).
- 521) **HIP 111196 = FK 1670**
Radial velocity is variable according to W. Buscombe and P.M. Morris (1958, Monthly Not. Roy. Astron. Soc. **118**, 609).
- 522) **HIP 111242 = FK 1594**
Radial velocity is variable (e.g.: R. Woolley et al., 1981, Royal Obs. Ann. No. 14, p. 5).
- 523) **HIP 111497 = FK 850**
Radial velocity is variable according to Sinzi (1972) or may be variable according to BSC, but not to GCRV.
- 524) **HIP 111532 = FK 851**
Radial velocity is variable according to BSC.
- 525) **HIP 111710 = FK 1595**
1 companion in CCDM+WDS: B(1926: 98", 248°, 8^m8; nc). Tycho gives for B (1991: 87", 250°, 11^m14).
- 526) **HIP 111797 = FK 853**
Radial velocity is variable according to GCRV, BSC, and Sinzi (1972). BSC gives SB2.
- 527) **HIP 111841 = FK 852**
1 companion in CCDM+WDS: B(1975: 62", 49°, 10^m0; pc). TYCHO gives for B(1991: 62", 49°, 10^m29).
Radial velocity may be variable according to BSC.
- 528) **HIP 112029 = FK 855**
2 companions in CCDM+WDS: B(1925: 62", 140°, 11^m6; nc), C(1880: 177", 5°, 11^m; oo).
Radial velocity may be variable according to BSC.
- 529) **HIP 112122 = FK 856**
Suspected by HIP to be double or multiple (Flag S in HIP Field H61).
- 530) **HIP 112358 = FK 1596**
Radial velocity may be variable according to BSC.
- 531) **HIP 112623 = FK 860**
1 companion in TYCHO: B(1991: 96", 68°, 10^m52; oo).
Radial velocity is variable according to W. Buscombe and P.M. Morris (1958, Monthly Not. Roy. Astron. Soc. **118**, 609).
- 532) **HIP 112716 = FK 861**
1 companion in CCDM+WDS: B(1963: 132", 296°, 9^m8; af).
- 533) **HIP 113881 = FK 870**
2 companions in CCDM+WDS: B(1925: 109", 211°, 11^m8; af), C(1925: 253", 98°, 9^m6; af).
Suspected by HIP to be double or multiple (Flag S in HIP Field H61). Radial velocity is variable according to BSC.
- 534) **HIP 113963 = FK 871**
Radial velocity is variable according to BSC.
- 535) **HIP 114210 = FK 1604**
Radial velocity may be variable according to BSC.

536) **HIP 114520 = FK 1606**

Radial velocity is variable according to BSC.

537) **HIP 114622 = FK 875**

1 companion in CCDM+WDS: B(1922: 124", 218°, 9^m4; af).

Radial velocity is constant according to G.A.H. Walker et al. (1995, Icarus **116**, 359).

538) **HIP 114971 = FK 878**

Radial velocity may be variable according to BSC.

539) **HIP 115250 = FK 880**

Radial velocity is variable according to BSC. δ Scuti star. The pulsation explains the observed radial-velocity variations.

540) **HIP 115280 = FK 1610**

2 companions in CCDM+WDS: B(1922: 122", 256°, 9^m2; af), C(BC: 1908: 156", 214°, 11^m5; oo).

Radial velocity may be variable according to BSC.

541) **HIP 115438 = FK 1612**

Radial velocity is variable according to BSC.

542) **HIP 115590 = FK 882**

3 companions in CCDM+WDS: B(1918: 98", 225°, 7^m8; nc, pc), C(1918: 215", 258°, 8^m7; pc), D(CD: 1913: 9", 34°, 9^m7). TYCHO gives for B(1991: 96", 226°, 9^m82).

543) **HIP 115591 = FK 1613**

Radial velocity is variable according to BSC.

544) **HIP 115713 = FK 883**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1961, Monthly Not. Roy. Astron. Soc. **123**, 233).

545) **HIP 115738 = FK 884**

2 companions in CCDM+WDS: B(1950: 163", 344°, 11^m9; nc), C(BC: 1908: 76", 154°, 13^m1; oo).

Radial velocity and spectrum are variable (e.g.: P. Galeotti and E. Lovera, 1972, Mem. Soc. Astron. Italiana **43**, 759).

546) **HIP 116354 = FK 1616**

Radial velocity is variable according to BSC.

547) **HIP 116602 = FK 889**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1958, Monthly Not. Roy. Astron. Soc. **118**, 609) and to W. Buscombe (1963, Monthly Not. Roy. Astron. Soc. **126**, 29).

Barbier-Brossat (1989) gives $v_{rad} = +3.4$ km/s (Field 17: +10 km/s).

548) **HIP 116631 = FK 891**

In spite of other claims (e.g. BSC), the radial velocity is probably constant (e.g. GCRV). $v_{rot} \sin i \sim 90$ km/s.

549) **HIP 116771 = FK 892**

2 companions in CCDM+WDS: B(1910: 70", 295°, 13^m0; af), C(1880: 281", 34°; oo).

Radial velocity may be variable according to T.G. Barnes et al. (1986, Publ. Astron. Soc. Pacific **98**, 223).

550) **HIP 116820 = FK 1618**

1 companion in TYCHO: B(1991: 97", 34°, 10^m98; oo).

551) **HIP 116928 = FK 1620**

Radial velocity is variable according to BSC.

552) **HIP 117089 = FK 1621**

Radial velocity is variable according to W. Buscombe and P.M. Morris (1958, Monthly Not. Roy. Astron. Soc. **118**, 609) and to D. Baade (1989, Astron. Astrophys. Suppl. Ser. **79**, 423). $v_{rot} \sin i \sim 315$ km/s.

553) **HIP 117371 = FK 895**

Radial velocity is variable according to BSC.

554) **HIP 117375 = FK 1623**

2 companions in CCDM+WDS: B(1919: 173", 285°, 10^m0; nc:), C(BC: 1912: 52", 278°, 12^m9; AC: pc). Radial velocity may be variable according to BSC.

555) **HIP 117488 = FK 1624**

Radial velocity may be variable (J. Andersen and B. Nordström, 1983, Astron. Astrophys. Suppl. Ser. **52**, 479).

556) **HIP 117541 = FK 897**

Radial velocity is variable according to BSC.

557) **HIP 117718 = FK 898**

Suspected by HIP to be double or multiple (Flag S in HIP Field H61). Radial velocity may be variable according to BSC.

558) **HIP 117863 = FK 899**

1 companion in TYCHO: B(1991: 93", 149°, 10^m62; pc). Radial velocity is variable according to BSC. G. Burki and M. Mayor (1983, Astron. Astrophys. **124**, 256) classified the star as a possible spectroscopic binary. The spectrum is variable. Double lines in the spectrum of ρ Cas are probably not due to binarity but caused by effects in the stellar atmosphere (W.P. Bidelman and A. McKellar, 1957, Publ. Astron. Soc. Pacific **69**, 31; D.L. Lambert et al., 1981, Astrophys. J. **248**, 638).

559) **HIP 118048 = FK 1628**

1 companion in TYCHO: B(1991: 62", 0°, 10^m13; oo). Radial velocity may be variable according to BSC.

560) **HIP 118268 = FK 902**

The object was announced as a spectroscopic binary by H. Spencer-Jones (1928, Ann. Cape. Obs. **10**, Part 8, p. 129). A preliminary orbital period of 2.158 days was given by W.R. Beardsley (1965, Astron. J. **70**, 318). This was not confirmed by H.A. Abt and S.G. Levy (1976, Astrophys. J. Suppl. Ser. **30**, 273). W.B. Lee et al. (1985, Astron. Astrophys. Suppl. Ser. **61**, 363) found also no periodicity in the radial velocity and think that the variations, if existing, are not due to duplicity.