

OBSERVATIONS OF MINOR PLANETS AT THE SKALNATÉ PLESO OBSERVATORY IN THE YEARS 1965-1971

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Abstract: The paper contains results of photographic positional observations of minor planets made at the Skalnate Pleso Observatory during the years 1965–1971. A total of 717 accurate positions of 234 asteroids have been determined. The results have been collected in Tables 1 and 2.

1. Acquisition and Reduction of Observational Material

Until 1955 minor planets were observed at the Skalnate Pleso Observatory only with the short focus cameras Tessar and Bellar 11 cm $f/4.5$ and the results were published in the Bull. of the Astr. Inst. of Czechoslovakia. Later, minor planets were not involved in the observation program of the Observatory. In the years 1965–1968 asteroids were observed just sporadically and only beginning with the year 1969 were they observed systematically by means of the 30 cm $f/5$ astrograph for the purpose of determination of accurate positions. For the telescope the following reduction constants have been derived:

$$\begin{aligned}\lambda &= -1^{\text{h}} 20^{\text{m}} 58^{\text{s}} 70, \\ \varphi &= +49^{\circ} 11' 20'' 0, \\ b &= 1783 \text{ m above sea-level,} \\ \rho \sin \varphi' &= +0.75346, \\ \rho \cos \varphi' &= 0.65501, \\ \Delta xy &= -279, \\ \Delta Z &= -321, \\ f &= 0.0033529 = 1/298.25.\end{aligned}$$

An exception in the use of the above mentioned instrument consists of the observations made in the year 1965. The observations of the minor planets 38 Leda, 120 Lachesis and 535 Montague were made with the Tessar 11 cm $f/4.5$ and the asteroid 564 Duda with the 60 cm reflector $f/5.5$ in the newtonian system. Between the years 1965 and 1971 717 positions of 234 asteroids were obtained.

The photographic observations of asteroids were made in such a way that a given field was exposed

twice for a time interval of 0.5–2 hours on plates of various sizes, mostly 24×24 cm. The minor planets were identified on the plates by means of a blink comparator by Zeiss (Fig. 1) using the Ephemerides of Minor Planets published by the Institute of Theoretical Astronomy of the Academy of Sciences of the USSR in Leningrad and the Minor Planet Circular, published in Cincinnati, USA. The method of reduction of the photographic observations was similar to that of the preceding paper (Antal 1974). The photographic material used was mostly ORWO, emulsion ZU 1 and ZU 2. With very few exceptions the position of each asteroid was determined from two triangles of reference stars and the difference between the so derived equatorial coordinates served to check the calculations and as an indicator of accuracy of measurements of the reference stars and asteroids on the plates. Both the reference stars and the minor planets were always measured several times. The mean accuracy of a plate measurement was ± 0.0025 mm, corresponding to $\pm 0''.3$. Only in the case of observations made under unfavourable atmospheric conditions or when the object was near the edge of the plate the accuracy of the measurement dropped, on the average, to ± 0.007 mm.

2. Results of Observations and Reduction

The results of observations have been collected in Tables 1 and 2. In Table 1 the first column contains the running number of the position, the second and the third columns contain the number and the name of the minor planet. The following columns give the mid-time of exposure in U.T., the R.A. and Decli-

nation for the equinox 1950.0, the duration of exposure in minutes, and the last column the abbreviation of the name of the observer. Table 2 contains in its first column the same running number of the position as in Table 1 and in the second column is the designation of the catalogue used, the volume number or the zone. In the following columns are given the star number with the corresponding dependences. Finally, the last columns contain the differences between the positions of minor planets obtained by means of the two independent triangles $\Delta a \cos \delta$ and $\Delta \delta$ in second of arc and the remarks which are explained at the end of the Table. Table 3 contains the names of the collaborators showing their part in the observations and the reduction of positions. The measurements of all plates were made by the author. Table 4 contains the information about the accuracy of measurements of the 706 positions of asteroids. Each measurement was placed in an interval according to the magnitude of the difference $\Delta a \cos \delta$ and $\Delta \delta$ of the two independently determined equa-

torial coordinates by means of two triangles of reference stars. It can be seen from the Table that about 75 % of positions have differences in both coordinates smaller than 1".

The asteroids designated by 1807 Slovakia, 1969TB, and 1971 QB were discovered by the author at the Skalnaté Pleso Observatory. Their positions are given under the numbers 689–717 at the end of Table 1.

Acknowledgement. Thanks are due to Dr. Eduard Pitech of the division for interplanetary medium of this Institution in Bratislava for the help with the electronic computer and to Mr. Štefan Dendis for his effective help with the measurements and the preparation of the results for publication.

REFERENCES

Antal, M., 1974; Contributions of the astronomical Observatory Skalnaté Pleso, 5, 75.

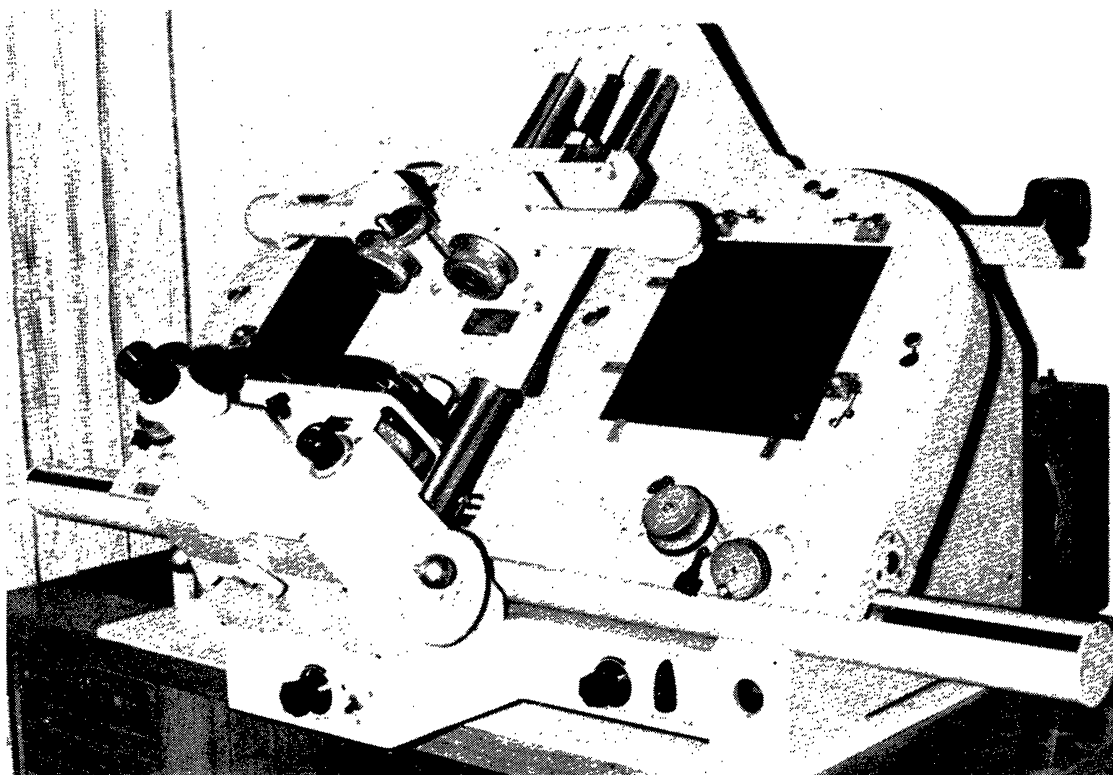


Fig. 1. The Zeiss Star-Plate Comparator 30 cm × 30 cm.

Table 1

No.	Minor Planet		Date U.T.	α 1950.0	δ 1950.0	Exp. t. min.	Obs.
	No.	Name					
1	9	METIS	1969 Mar. 10.94167	9 ^h 28 ^m 37 ^s .77	+24 ^o 27' 41".3	20	Pe
2	9	METIS	1969 Mar. 10.99792	9 28 35.67	+24 27 41.0	20	Pe
3	10	HYGIEA	1971 Feb. 21.98472	8 32 24.24	+15 59 54.0	20	A
4	10	HYGIEA	1971 Feb. 22.02500	8 32 22.62	+15 59 58.9	20	A
5	12	VICTORIA	1971 July 1.92778	19 08 58.76	-8 46 17.5	20	Pe
6	12	VICTORIA	1971 July 1.97083	19 08 56.35	-8 46 01.8	20	Pe
7	12	VICTORIA	1971 July 28.94444	18 47 44.45	-7 30 15.8	20	Pe
8	12	VICTORIA	1971 July 28.98056	18 47 43.15	-7 30 17.2	20	Pe
9	17	THETIS	1970 Nov. 17.87986	2 24 45.75	+5 20 58.5	20	Pe
10	17	THETIS	1970 Nov. 17.95208	2 24 42.16	+5 20 47.9	20	Pe
11	18	MELPOMENE	1969 Mar. 10.95903	10 01 11.91	+13 48 16.4	20	Pe
12	18	MELPOMENE	1969 Mar. 11.01458	10 01 09.27	+13 43 41.2	20	Pe
13	27	EUTERPE	1971 Aug. 26.94236	20 46 00.69	-19 47 28.0	30	Pe
14	27	EUTERPE	1971 Aug. 26.99097	20 45 58.19	-19 47 38.3	30	Pe
15	28	BELLONA	1971 June 27.01458	19 42 39.71	-13 19 03.2	14	A
16	28	BELLONA	1971 June 27.03958	19 42 38.56	-13 19 07.7	10	A
17	28	BELLONA	1971 July 28.96042	19 16 32.72	-15 16 55.5	20	Pe
18	28	BELLONA	1971 July 28.99931	19 16 31.02	-15 17 05.3	20	Pe
19	30	URANIA	1969 Mar. 10.95903	10 00 55.69	+10 23 11.5	20	Pe
20	30	URANIA	1969 Mar. 11.01458	10 00 52.98	+10 23 24.1	20	Pe
21	34	CIRCE	1969 Mar. 8.83611	8 24 48.85	+13 25 03.5	20	Pe
22	34	CIRCE	1969 Mar. 8.89167	8 24 48.09	+13 25 19.0	20	Pe
23	34	CIRCE	1971 Aug. 21.03403	23 18 31.52	-1 09 14.2	20	A
24	34	CIRCE	1971 Aug. 21.06875	23 18 30.15	-1 09 24.5	20	A
25	34	CIRCE	1971 Oct. 10.75000	22 43 37.90	-6 12 50.6	20	A
26	34	CIRCE	1971 Oct. 10.83819	22 43 35.63	-6 13 14.7	20	A
27	34	CIRCE	1971 Oct. 10.85764	22 43 35.07	-6 13 20.6	20	A
28	35	LEUKOTHEA	1971 Sept. 23.93264	0 28 36.51	+5 35 55.9	20	A
29	35	LEUKOTHEA	1971 Sept. 23.97431	0 28 34.52	+5 36 47.0	20	A
30	37	FIDES	1971 Sept. 23.93264	0 36 14.42	+3 43 04.3	20	A
31	37	FIDES	1971 Sept. 23.97431	0 36 12.25	+3 42 55.1	20	A
32	38	LEDA	1965 Jan. 25.91777	9 25 40.87	+11 14 16.5	61	A
33	38	LEDA	1965 Jan. 25.97298	9 25 37.86	+11 14 23.0	32	A
34	40	HARMONIA	1968 Jan. 31.92083	6 51 39.70	+25 18 50.6	20	A
35	40	HARMONIA	1968 Jan. 31.97431	6 51 37.15	+25 18 57.1	16	A
36	40	HARMONIA	1968 Feb. 1.90972	6 50 55.36	+25 20 59.6	20	A
37	40	HARMONIA	1968 Feb. 1.95139	6 50 53.51	+25 21 04.2	20	A
38	40	HARMONIA	1970 Nov. 17.87986	2 41 15.38	+9 49 10.7	20	Pe
39	40	HARMONIA	1970 Nov. 17.95208	2 41 11.09	+9 49 01.0	20	Pe
40	42	ISIS	1966 Feb. 27.97029	12 10 27.49	+12 45 27.3	15	A
41	42	ISIS	1966 Feb. 28.01543	12 10 25.39	+12 45 46.8	15	A
42	42	ISIS	1966 Apr. 7.87674	11 36 13.09	+16 17 24.8	15	A
43	42	ISIS	1966 Apr. 7.90660	11 36 11.72	+16 17 27.8	15	A
44	44	NYSA	1966 Apr. 13.91563	12 20 07.31	+3 53 51.6	15	A
45	44	NYSA	1966 Apr. 13.99479	12 20 03.73	+3 54 12.8	15	A
46	44	NYSA	1971 Aug. 26.94236	20 58 15.40	-18 01 30.5	30	Pe
47	44	NYSA	1971 Aug. 26.99097	20 58 12.93	-18 01 43.2	30	Pe
48	47	AGLAJA	1970 Nov. 17.91944	3 40.0	+25 51	20	Pe
49	47	AGLAJA	1970 Nov. 17.98819	3 39.9	+25 51	20	Pe
50	49	PALES	1971 Sept. 10.96875	21 51 32.17	-8 59 14.5	20	A
51	49	PALES	1971 Sept. 10.98299	21 51 31.59	-8 59 18.9	20	A
52	49	PALES	1971 Sept. 13.96944	21 49 33.61	-9 08 54.5	30	A
53	49	PALES	1971 Sept. 14.00486	21 49 32.11	-9 09 01.2	20	A
54	49	PALES	1971 Sept. 18.87361	21 46 40.67	-9 23 36.4	30	Pe
55	49	PALES	1971 Sept. 18.95694	21 46 37.75	-9 23 43.6	30	Pe
56	49	PALES	1971 Sept. 19.84514	21 46 09.67	-9 26 15.3	30	Pe
57	49	PALES	1971 Sept. 19.90139	21 46 07.88	-9 26 26.1	30	Pe
58	49	PALES	1971 Sept. 22.78333	21 44 43.79	-9 33 52.9	20	A
59	49	PALES	1971 Sept. 22.85556	21 44 41.84	-9 34 06.9	20	A
60	49	PALES	1971 Sept. 22.89722	21 44 40.58	-9 34 11.9	20	A

Continuation Table 1

No.	Minor Planet		Date U.T.	α 1950.0	δ 1950.0	Exp. t. min.	Obs.
	No.	Name					
61	49	PALES	1971 Sept. 23.79861	21 ^h 44 ^m 16 ^s .91	+9°36'23".0	20	A
62	49	PALES	1971 Sept. 23.86111	21 44 15.18	-9 36 31.6	20	A
63	56	MELETE	1969 Apr. 10.95972	11 00 28.30	+2 48 06.3	20	A
64	56	MELETE	1969 Apr. 11.01042	11 00 26.76	+2 48 24.1	20	A
65	57	MNEUMOSYNE	1971 Sept. 19.97639	23 37 57.12	+7 09 27.3	20	Pe
66	57	MNEUMOSYNE	1971 Sept. 20.02639	23 37 55.12	+7 09 01.1	20	Pe
67	58	CONCORDIA	1971 Apr. 15.90347	12 26 02.43	+1 48 37.0	20	A
68	58	CONCORDIA	1971 Apr. 15.94514	12 26 00.70	+1 48 50.6	20	A
69	60	ECHO	1971 Aug. 20.92569	22 49 07.95	-3 52 40.4	20	A
70	60	ECHO	1971 Aug. 20.97292	22 49 05.55	-3 52 56.4	20	A
71	63	AUSONIA	1968 Jan. 31.92083	6 57 30.45	+29 01 22.5	20	A
72	63	AUSONIA	1968 Jan. 31.97431	6 57 27.58	+29 01 17.2	16	A
73	63	AUSONIA	1968 Feb. 1.90972	6 56 39.02	+28 59 48.3	20	A
74	63	AUSONIA	1968 Feb. 1.95139	6 56 36.81	+28 59 44.2	20	A
75	69	HESPERIA	1969 Mar. 10.97639	10 00 27.56	+5 25 40.6	20	Pe
76	69	HESPERIA	1969 Mar. 11.03175	10 00 25.55	+5 26 04.9	20	Pe
77	69	HESPERIA	1971 Aug. 26.91597	20 11 03.25	-10 21 43.1	30	Pe
78	69	HESPERIA	1971 Aug. 26.96667	20 11 01.63	-10 21 56.1	30	Pe
79	71	NIOBE	1971 Aug. 21.97431	23 25 35.10	+16 36 14.4	60	A
80	71	NIOBE	1971 Aug. 22.03681	23 25 31.79	+16 36 28.0	60	A
81	72	FERONIA	1971 Aug. 25.88542	22 06 02.89	-2 07 30.3	30	Pe
82	72	FERONIA	1971 Aug. 25.95069	22 05 59.37	-2 07 59.4	30	Pe
83	72	FERONIA	1971 Sept. 10.96875	21 53 46.12	-4 15 42.9	20	A
84	72	FERONIA	1971 Sept. 10.98299	21 53 45.64	-4 15 48.1	20	A
85	72	FERONIA	1971 Sept. 13.96944	21 52 00.64	-4 39 29.2	20	A
86	72	FERONIA	1971 Sept. 14.00486	21 51 59.27	-4 39 46.0	20	A
87	72	FERONIA	1971 Sept. 18.87361	21 49 39.37	-5 16 49.0	30	Pe
88	72	FERONIA	1971 Sept. 18.95694	21 49 37.33	-5 17 23.5	30	Pe
89	72	FERONIA	1971 Sept. 19.84514	21 49 16.27	-5 23 53.4	30	Pe
90	72	FERONIA	1971 Sept. 19.90139	21 49 14.97	-5 24 17.8	30	Pe
91	72	FERONIA	1971 Sept. 22.78333	21 48 17.56	-5 44 33.7	20	A
92	72	FERONIA	1971 Sept. 22.85556	21 48 16.12	-5 45 03.5	20	A
93	72	FERONIA	1971 Sept. 22.89722	21 48 15.35	-5 45 20.8	20	A
94	72	FERONIA	1971 Sept. 23.79861	21 48 00.99	-5 51 26.5	20	A
95	72	FERONIA	1971 Sept. 23.86111	21 48 29.99	-5 51 53.7	20	A
96	77	FRIGGA	1971 Sept. 23.93264	0 29 28.80	+3 27 01.7	20	A
97	77	FRIGGA	1971 Sept. 23.97431	0 29 26.63	+3 26 52.0	20	A
98	78	DIANA	1971 Aug. 21.03403	23 22 38.15	-1 44 10.7	20	A
99	78	DIANA	1971 Aug. 21.06875	23 22 36.55	-1 44 15.4	20	A
100	78	DIANA	1971 Oct. 9.79236	22 41 28.82	-4 04 44.6	20	A
101	78	DIANA	1971 Oct. 9.83333	22 41 27.40	-4 04 48.9	20	A
102	78	DIANA	1971 Oct. 10.75000	22 40 56.66	-4 06 36.3	20	A
103	78	DIANA	1971 Oct. 10.83819	22 40 53.58	-4 06 47.7	20	A
104	78	DIANA	1971 Oct. 10.85764	22 40 52.88	-4 06 50.4	20	A
105	78	DIANA	1971 Oct. 12.88403	22 39 48.54	-4 10 33.4	30	A
106	78	DIANA	1971 Oct. 12.93889	22 39 46.90	-4 10 38.7	30	A
107	82	ALKMENE	1971 Feb. 21.96667	8 08 31.72	+24 53 31.4	20	A
108	82	ALKMENE	1971 Feb. 22.00833	8 08 30.52	+24 53 29.3	20	A
109	83	BEATRIX	1971 Apr. 19.87222	11 24 06.63	+7 09 23.7	20	A
110	83	BEATRIX	1971 Apr. 19.91458	11 24 05.55	+7 09 20.3	20	A
111	86	SEMELE	1969 Oct. 8.80556	0 21 50.56	-6 13 20.6	20	Pe
112	86	SEMELE	1969 Oct. 8.84722	0 21 48.72	-6 13 28.7	20	Pe
113	86	SEMELE	1971 Feb. 21.96667	8 25 19.16	+24 12 19.4	20	A
114	86	SEMELE	1971 Feb. 22.00833	8 25 17.66	+24 12 25.3	20	A
115	87	SYLVIA	1969 Apr. 10.98125	11 55 12.05	15 26 42.1	20	A
116	87	SYLVIA	1969 Apr. 11.04792	11 55 09.70	+15 26 46.7	20	A
117	93	MINERVA	1966 Mar. 16.89965	10 19 13.58	+16 15 11.1	15	A
118	93	MINERVA	1966 Mar. 16.94479	10 19 11.23	+16 15 14.6	15	A
119	98	IANTHE	1971 Aug. 25.91250	23 07 22.01	-11 51 50.7	30	Pe
120	98	IANTHE	1971 Aug. 25.97500	23 07 18.59	-11 51 58.5	30	Pe

Continuation Table 1

No.	Minor Planet		Date U.T.	α 1950	δ 1950.0	Exp. t. min.	Obs.
	No.	Name					
121	99	DIKE	1969 Oct. 8.82639	23 ^h 53 ^m 03 ^s .35	-15° 50' 18".0	20	Pe
122	99	DIKE	1969 Oct. 8.86389	23 53 01.54	-15 50 15.2	20	Pe
123	101	HELENA	1966 Mar. 16.89965	10 03 54.61	+13 36 32.6	15	A
124	101	HELENA	1966 Mar. 16.94479	10 03 52.47	+13 36 34.6	15	A
125	107	CAMILLA	1971 Aug. 30.89861	21 20 13.63	-8 27 00.8	30	Pe
126	107	CAMILLA	1971 Aug. 30.94653	21 20 11.96	-8 27 17.0	30	Pe
127	113	AMALTHEA	1971 Aug. 25.91250	23 09 35.26	-10 44 05.9	30	Pe
128	113	AMALTHEA	1971 Aug. 25.97500	23 09 32.02	-10 44 34.0	30	Pe
129	114	KASSANDRA	1966 Apr. 12.90382	11 43 21.09	+5 04 29.4	15	A
130	114	KASSANDRA	1966 Apr. 12.96563	11 43 19.18	+5 04 47.6	15	A
131	118	PEITHO	1969 Oct. 8.80556	0 27 06.92	-6 30 09.9	20	Pe
132	118	PEITHO	1969 Oct. 8.84722	0 27 04.37	-6 30 15.4	20	Pe
133	118	PEITHO	1971 Apr. 20.93819	11 52 37.31	+9 08 29.7	20	Pe
134	118	PEITHO	1971 Apr. 20.99375	11 52 35.31	+9 08 25.8	20	Pe
135	120	LACHESIS	1965 Jan. 25.91777	9 14 02.26	+21 19 21.5	61	A
136	120	LACHESIS	1965 Jan. 25.97298	9 13 59.55	+21 19 32.6	32	A
137	125	LIBERATRIX	1966 Apr. 13.93021	12 23 29.75	+0 30 26.2	15	A
138	125	LIBERATRIX	1966 Apr. 14.01077	12 23 26.28	+0 30 54.4	15	A
139	137	MELIBOEA	1969 Oct. 9.80347	23 17 24.02	+3 48 44.6	20	Pe
140	137	MELIBOEA	1969 Oct. 9.84514	23 17 22.97	+3 48 21.7	20	Pe
141	137	MELIBOEA	1970 Dec. 6.95556	5 30 13.58	+7 22 17.2	20	Pe
142	137	MELIBOEA	1970 Dec. 7.00972	5 30 11.02	+7 22 10.2	20	Pe
143	139	JUEWA	1971 Aug. 25.91250	23 23 54.43	-9 28 12.7	30	Pe
144	139	JUEWA	1971 Aug. 25.97500	23 23 51.45	-9 28 24.1	30	Pe
145	143	ADRIA	1969 Oct. 6.91146	1 18 01.43	+22 16 02.5	21	Pe
146	143	ADRIA	1969 Oct. 6.95729	1 17 58.81	+22 15 57.9	21	Pe
147	144	VIBILIA	1969 Apr. 9.99722	11 37 11.92	+9 32 22.9	20	A
148	144	VIBILIA	1969 Apr. 10.04236	11 37 10.23	+9 32 31.4	20	A
149	149	MEDUSA	1971 Aug. 26.94236	20 44 29.32	-17 30 51.8	30	Pe
150	149	MEDUSA	1971 Aug. 26.99097	20 44 26.82	-17 30 59.5	30	Pe
151	153	HILDA	1969 Oct. 6.88576	0 20 22.71	+9 20 18.7	21	Pe
152	153	HILDA	1969 Oct. 6.93576	0 20 20.96	+9 20 02.7	21	Pe
153	154	BERTHA	1969 May 13.92708	13 36 09.12	-8 40 40.9	20	A
154	154	BERTHA	1969 May 13.96181	13 36 07.45	-8 40 46.7	24	A
155	156	XANTHIPPE	1969 Oct. 9.78750	23 42 24.50	+10 51 48.1	20	Pe
156	156	XANTHIPPE	1969 Oct. 9.82778	23 42 22.86	+10 51 32.1	20	Pe
157	158	KORONIS	1969 Apr. 10.95972	11 02 44.04	+4 36 35.5	20	A
158	158	KORONIS	1969 Apr. 11.01042	11 02 42.74	+4 36 44.2	20	A
159	158	KORONIS	1971 Aug. 20.92569	23 07 03.18	-4 13 46.5	20	A
160	158	KORONIS	1971 Aug. 21.03403	23 06 58.64	-4 14 11.0	20	A
161	158	KORONIS	1971 Aug. 21.06875	23 06 57.16	-4 14 19.2	20	A
162	167	URDA	1971 Apr. 15.90347	12 11 08.57	+0 14 42.1	20	A
163	167	URDA	1971 Apr. 15.94514	12 11 06.84	+0 14 52.6	20	Pe
164	168	SIBYLLA	1969 Oct. 9.90208	23 25 08.41	-0 24 52.9	20	Pe
165	168	SIBYLLA	1969 Oct. 9.94861	23 25 06.95	-0 25 06.5	20	Pe
166	171	OPHELIA	1969 Oct. 8.80556	0 31 49.54	-0 29 20.8	20	Pe
167	171	OPHELIA	1969 Oct. 8.84722	0 31 47.75	-0 29 30.4	20	Pe
168	173	INO	1971 Apr. 19.89097	13 36 13.42	+7 41 30.1	20	A
169	173	INO	1971 Apr. 19.93264	13 36 11.45	+7 41 43.7	20	A
170	174	PHAEDRA	1969 Oct. 9.80347	23 13 44.70	+5 31 21.4	20	Pe
171	174	PHAEDRA	1969 Oct. 9.84514	23 13 42.93	+5 31 14.0	20	Pe
172	177	IRMA	1969 Oct. 9.90208	23 36 06.23	-1 48 41.4	20	Pe
173	177	IRMA	1969 Oct. 9.94861	23 36 04.56	-1 48 50.0	20	Pe
174	184	DEJOPEJA	1969 Apr. 10.95972	10 48 27.38	+6 57 13.7	20	A
175	184	DEJOPEJA	1969 Apr. 11.01042	10 48 26.31	+6 57 19.3	20	A
176	191	KOLGA	1969 Mar. 8.83611	8 31 24.75	+13 14 43.3	20	Pe
177	191	KOLGA	1969 Mar. 8.89167	8 31 23.67	+13 15 01.4	20	Pe
178	196	PHILOMELA	1970 Dec. 6.93819	5 00 32.91	+23 18 19.0	20	Pe
179	196	PHILOMELA	1970 Dec. 6.99375	5 00 29.90	+23 18 21.3	20	Pe
180	197	ARETE	1968 Jan. 31.92083	6 55 14.07	+28 58 31.0	20	A

Continuation Table 1

No.	Minor Planet		Date U.T.	α 1950.0	δ 1950.0	Exp. t. min.	Obs.
	No.	Name					
181	197	ARETE	1968 Jan. 31.97431	6 ^h 55 ^m 18 ^s .75	+25°58'36".7	16	A
182	197	ARETE	1968 Feb. 1.90972	6 54 30.33	+29 00 06.5	20	A
183	197	ARETE	1968 Feb. 1.95139	6 54 28.47	+29 00 10.5	20	A
184	201	PENELOPE	1971 Aug. 30.89861	21 02 04.89	-14 30 44.7	30	Pe
185	201	PENELOPE	1971 Aug. 30.94653	21 02 03.21	-14 31 03.8	30	Pe
186	206	HERSILIA	1970 Nov. 17.87986	2 35 05.59	+9 02 51.3	20	Pe
187	206	HERSILIA	1970 Nov. 17.95208	2 35 01.98	+9 02 34.5	20	Pe
188	210	ISABELLA	1971 Apr. 19.87222	11 28 19.22	+7 31 15.0	20	A
189	210	ISABELLA	1971 Apr. 19.91458	11 28 18.07	+7 31 17.0	20	A
190	211	ISOLDA	1966 Apr. 12.91841	11 49 42.82	-4 47 26.9	15	A
191	211	ISOLDA	1966 Apr. 12.98021	11 49 40.63	-4 47 08.2	15	A
192	213	LILAEA	1971 Feb. 21.98472	8 30 02.38	+20 56 16.0	20	A
193	213	LILAEA	1971 Feb. 22.02500	8 30 00.71	+20 56 25.4	20	A
194	216	KLEOPATRA	1969 May 13.92708	13 43 15.86	+10 53 05.3	20	A
195	216	KLEOPATRA	1969 May 13.96181	13 43 14.58	-10 52 53.0	24	A
196	224	OCEANA	1970 Nov. 17.91944	3 39 12.98	+28 00 40.5	20	Pe
197	224	OCEANA	1970 Nov. 17.98819	3 39 08.68	+28 00 29.2	20	Pe
198	226	WERINGIA	1965 Apr. 13.89827	12 18 06.70	+18 50 20.7	15	A
199	226	WERINGIA	1966 Apr. 13.98091	12 18 03.12	+18 50 45.1	15	A
200	233	ASTEROPE	1969 Mar. 10.97639	9 50 41.65	+2 03 04.8	20	Pe
201	233	ASTEROPE	1969 Mar. 11.03125	9 50 39.40	+2 03 24.8	20	Pe
202	237	COELESTINA	1966 Apr. 13.89827	12 04 27.06	+15 09 39.3	15	A
203	237	COELESTINA	1966 Apr. 13.98091	12 04 23.51	+15 09 43.3	15	A
204	239	ADRASTEIA	1971 Aug. 30.89861	21 01 00.66	-10 40 58.4	30	Pe
205	239	ADRASTEIA	1971 Aug. 30.94653	21 00 58.81	-10 41 14.2	30	Pe
206	240	VANADIS	1969 Apr. 9.99722	11 34 19.47	+5 50 12.7	20	A
207	240	VANADIS	1969 Apr. 10.04236	11 34 17.76	+5 50 21.0	20	A
208	241	GERMANIA	1970 Dec. 6.93819	5 00 14.75	+24 54 37.4	20	Pe
209	241	GERMANIA	1970 Dec. 6.99375	5 00 11.39	+24 54 27.7	20	Pe
210	248	LAMEIA	1971 Aug. 30.89861	21 18 13.59	-8 43 06.3	30	Pe
211	248	LAMEIA	1971 Aug. 30.94653	21 18 11.29	-8 43 19.1	30	Pe
212	250	BETTINA	1969 Oct. 8.80556	0 36 45.72	-1 24 26.8	20	Pe
213	250	BETTINA	1969 Oct. 8.84722	0 36 43.52	-1 24 30.1	20	Pe
214	263	DRESDA	1969 Oct. 9.90208	23 18 55.52	-3 05 33.9	20	Pe
215	263	DRESDA	1969 Oct. 9.94861	23 18 54.04	-3 05 44.3	20	Pe
216	269	JUSTITIA	1967 July 13.93021	18 34 51.77	-14 44 22.4	5	A
217	269	JUSTITIA	1967 July 13.95243	18 34 50.74	-14 44 29.0	5	A
218	275	SAPIENTIA	1971 Apr. 20.93819	11 47 55.95	+8 08 05.4	20	Pe
219	275	SAPIENTIA	1971 Apr. 20.99375	11 47 54.71	+8 08 11.4	20	Pe
220	276	ADELHEID	1967 Oct. 7.00208	23 16 49.62	+12 53 11.7	30	A
221	276	ADELHEID	1967 Oct. 7.02118	23 16 49.00	+12 53 02.1	15	A
222	279	THULE	1971 Feb. 21.96667	8 23 07.16	+21 50 59.9	20	A
223	279	THULE	1971 Feb. 22.00833	8 23 05.97	+21 51 03.1	20	A
224	287	NEPHTHYS	1971 Apr. 20.93819	12 04 05.46	+12 45 33.8	20	Pe
225	287	NEPHTHYS	1971 Apr. 20.99375	12 04 03.62	+12 45 45.4	20	Pe
226	303	JOSEPHINA	1971 Aug. 21.03403	23 27 11.97	-3 41 46.4	20	A
227	303	JOSEPHINA	1971 Aug. 21.06875	23 27 10.70	-3 41 51.1	20	A
228	303	JOSEPHINA	1971 Oct. 10.75000	22 51 15.89	-5 44 06.5	20	A
229	303	JOSEPHINA	1971 Oct. 10.83819	22 51 13.32	-5 44 13.6	20	A
230	303	JOSEPHINA	1971 Oct. 10.85764	22 51 12.67	-5 44 15.7	20	A
231	303	JOSEPHINA	1971 Oct. 17.82778	22 48 24.83	-5 50 11.0	30	Pe
232	303	JOSEPHINA	1971 Oct. 17.90764	22 48 23.19	-5 50 14.1	30	Pe
233	306	UNITAS	1971 Apr. 15.92153	13 08 35.68	+3 51 50.0	20	A
234	306	UNITAS	1971 Apr. 15.96319	13 08 33.39	+3 53 06.9	20	A
235	307	NIKE	1971 Apr. 19.89097	13 25 11.11	+0 25 07.3	20	A
236	307	NIKE	1971 Apr. 19.93264	13 25 09.04	+0 25 21.4	20	A
237	317	ROXANE	1969 Jan. 21.96528	7 38 20.26	+19 49 39.5	20	Pe
238	317	ROXANE	1969 Jan. 21.99792	7 38 18.01	+19 49 44.5	20	Pe
239	317	ROXANE	1969 Jan. 22.02083	7 38 16.51	+19 49 49.3	20	Pe
240	317	ROXANE	1969 Jan. 26.98090	7 33 02.59	+20 06 04.9	15	Pe

Continuation Table 1

No.	Minor Planet		Date U.T.	α 1950.0	δ 1950.0	Exp. t. min.	Obs.
	No.	Name					
241	317	ROXANE	1969 Jan. 26.99757	7 ^h 33 ^m 01 ^s .77	+20 ^o 06' 04".5	15	Pe
242	317	ROXANE	1969 Jan. 27.01424	7 33 00.64	+20 06 10.5	15	Pe
243	317	ROXANE	1969 Jan. 27.02743	7 32 59.66	+20 06 12.7	15	Pe
244	317	ROXANE	1969 Jan. 27.04062	7 32 59.22	+20 06 13.1	15	Pe
245	317	ROXANE	1969 Jan. 27.05382	7 32 58.19	+20 06 18.5	15	Pe
246	318	MAGDALENA	1969 Mar. 10.95903	10 23 38.98	+9 24 30.7	20	Pe
247	318	MAGDALENA	1969 Mar. 11.01458	10 23 36.72	+9 24 54.5	20	Pe
248	320	KATHARINA	1970 Dec. 6.95556	5 03 25.94	+14 27 27.8	20	Pe
249	320	KATHARINA	1970 Dec. 7.00972	5 03 22.98	+14 27 04.5	20	Pe
250	322	PHAEO	1970 Dec. 6.93819	4 53 08.09	+22 09 42.0	20	Pe
251	322	PHAEO	1970 Dec. 6.99375	4 53 04.61	+22 09 23.2	20	Pe
252	327	COLUMBIA	1966 Apr. 13.93021	12 17 36.06	-5 27 15.3	15	A
253	327	COLUMBIA	1966 Apr. 14.01077	12 17 32.06	-5 27 00.3	15	A
254	329	SVEA	1966 Apr. 13.91563	12 07 25.17	+4 50 31.8	15	A
255	329	SVEA	1966 Apr. 13.99479	12 07 22.24	+4 51 19.9	15	A
256	329	SVEA	1971 Aug. 25.88542	21 48 40.27	+0 13 20.0	30	Pe
257	329	SVEA	1971 Aug. 25.95069	21 48 21.48	+0 12 35.5	30	Pe
258	329	SVEA	1971 Sept. 10.96875	21 37 29.66	-2 52 54.6	20	A
259	329	SVEA	1971 Sept. 10.98264	21 37 29.05	-2 53 03.8	20	A
260	329	SVEA	1971 Sept. 13.96944	21 35 52.57	-3 27 26.4	30	A
261	329	SVEA	1971 Sept. 14.00486	21 35 51.34	-3 27 51.2	20	A
262	329	SVEA	1971 Sept. 18.87361	21 33 39.27	-4 22 24.3	30	Pe
263	329	SVEA	1971 Sept. 18.95694	21 33 37.08	-4 23 15.2	30	Pe
264	329	SVEA	1971 Sept. 19.84514	21 33 16.77	-4 32 58.7	30	Pe
265	329	SVEA	1971 Sept. 19.90139	21 33 15.48	-4 33 35.2	30	Pe
266	329	SVEA	1971 Sept. 22.78333	21 32 17.72	-5 04 16.7	20	A
267	329	SVEA	1971 Sept. 22.85556	21 32 16.31	-5 05 03.2	20	A
268	329	SVEA	1971 Sept. 22.89722	21 32 15.51	-5 05 28.1	20	A
269	329	SVEA	1971 Sept. 23.79861	21 32 00.35	-5 14 51.0	20	A
270	329	SVEA	1971 Sept. 23.86111	21 31 59.28	-5 15 29.1	20	A
271	333	BADENIA	1970 Nov. 17.91944	3 44 14.70	+25 19 14.2	20	Pe
272	333	BADENIA	1970 Nov. 17.98819	3 44 10.87	+25 19 05.9	20	Pe
273	334	CHICAGO	1970 Nov. 17.87986	2 27 28.11	+8 07 28.1	20	Pe
274	334	CHICAGO	1970 Nov. 17.95208	2 27 25.49	+8 07 18.7	20	Pe
275	338	BUDROSA	1971 Aug. 30.89861	21 19 32.09	-9 46 15.9	30	Pe
276	338	BUDROSA	1971 Aug. 30.94653	21 19 29.93	-9 46 22.0	30	Pe
277	345	TERCIDINA	1970 Nov. 17.87986	2 43 48.67	+11 00 47.0	20	Pe
278	345	TERCIDINA	1970 Nov. 17.95208	2 43 44.72	+11 00 11.2	20	Pe
279	349	DEMBOWSKA	1969 Apr. 9.97153	10 32 21.51	+17 41 08.9	20	A
280	349	DEMBOWSKA	1969 Apr. 10.01944	10 32 20.49	+17 41 04.8	20	A
281	357	NININA	1966 Feb. 27.97029	12 17 26.14	+11 26 21.8	15	A
282	357	NININA	1966 Feb. 28.01543	12 17 24.56	+11 26 44.1	15	A
283	357	NININA	1966 Apr. 7.87674	11 52 15.99	+15 52 18.4	15	A
284	357	NININA	1966 Apr. 7.90660	11 52 14.89	+15 52 29.3	15	A
285	357	NININA	1966 Apr. 12.88854	11 49 26.43	+16 11 32.8	15	A
286	357	NININA	1966 Apr. 12.95104	11 49 24.39	+16 11 45.3	15	A
287	360	CARLOVA	1966 Apr. 13.89827	12 17 50.83	+12 30 52.8	15	A
288	360	CARLOVA	1966 Apr. 13.98091	12 17 47.58	+12 31 10.2	15	A
289	360	CARLOVA	1971 Apr. 20.95694	11 09 59.84	+16 49 18.8	20	Pe
290	360	CARLOVA	1971 Apr. 21.01111	11 09 59.13	+16 49 20.4	20	Pe
291	370	MODESTIA	1971 Aug. 26.91597	20 26 23.55	-12 31 23.0	30	Pe
292	370	MODESTIA	1971 Aug. 26.96667	20 26 21.31	-12 31 22.9	30	Pe
293	374	BURGUNDIA	1971 July 1.92778	18 57 43.76	-9 33 05.6	20	Pe
294	374	BURGUNDIA	1971 July 1.97083	18 57 41.39	-9 33 02.4	20	Pe
295	374	BURGUNDIA	1971 July 28.94444	18 36 27.24	-9 52 45.2	20	Pe
296	374	BURGUNDIA	1971 July 28.98056	18 36 26.01	-9 52 49.5	20	Pe
297	381	MYRRHA	1969 Apr. 9.97153	10 54 15.88	+19 56 02.2	20	A
298	381	MYRRHA	1969 Apr. 10.01944	10 54 14.80	+19 56 07.7	20	A
299	403	CYANE	1971 July 28.96042	19 23 08.62	-11 27 50.0	20	Pe
300	403	CYANE	1971 July 28.99931	19 23 06.68	-11 27 53.8	20	Pe

Continuation Table 1

No.	Minor Planet		Date U.T.	α 1950.0	δ 1950.0	Exp. t. min.	Obs.
	No.	Name					
301	407	ARACHNE	1969 Jan. 21.99792	7 ^h 41 ^m 35 ^s .35	+20 ^o 59'57".3	20	Pe
302	407	ARACHNE	1969 Jan. 22.02083	7 41 33.83	+20 59 55.1	20	Pe
303	407	ARACHNE	1969 Jan. 26.99757	7 36 33.99	+20 57 52.9	15	Pe
304	407	ARACHNE	1969 Jan. 27.01424	7 36 32.95	+20 57 52.0	15	Pe
305	407	ARACHNE	1969 Jan. 27.04062	7 36 31.39	+20 57 48.8	15	Pe
306	407	ARACHNE	1969 Jan. 27.05382	7 36 30.59	+20 57 51.4	15	Pe
307	407	ARACHNE	1971 Aug. 30.89861	20 57 21.45	-11 13 57.1	30	Pe
308	407	ARACHNE	1971 Aug. 30.94653	20 57 19.22	-11 14 00.8	30	Pe
309	411	XANTHE	1970 Dec. 6.95556	5 24 31.88	+12 29 03.4	20	Pe
310	411	XANTHE	1970 Dec. 7.00972	5 24 29.05	+12 29 10.2	20	Pe
311	415	PALATIA	1966 Feb. 27.94946	11 10 02.18	+13 19 14.2	15	A
312	415	PALATIA	1966 Feb. 27.99946	11 09 59.51	+13 19 38.5	15	A
313	415	PALATIA	1971 Apr. 15.92153	12 48 54.70	+6 26 46.2	20	A
314	415	PALATIA	1971 Apr. 15.96319	12 48 52.71	+6 26 57.5	20	A
315	417	SUEVIA	1966 Apr. 13.93021	12 19 46.95	-3 31 45.9	15	A
316	417	SUEVIA	1966 Apr. 14.01077	12 19 43.91	-3 31 08.6	15	A
317	419	AURELIA	1971 Aug. 26.91597	20 18 35.94	-12 09 44.0	30	Pe
318	419	AURELIA	1971 Aug. 26.96667	20 18 34.91	-12 09 54.7	30	Pe
319	424	GRATIA	1969 Oct. 8.82639	0 03 19.20	-13 39 02.2	20	Pe
320	424	GRATIA	1969 Oct. 8.86389	0 03 17.53	-13 39 09.2	20	Pe
321	424	GRATIA	1971 Feb. 21.96667	8 13 57.90	+26 45 52.5	20	A
322	424	GRATIA	1971 Feb. 22.00833	8 13 56.50	+26 45 59.4	20	A
323	431	NEPHELE	1971 Feb. 21.98472	8 50 57.36	+18 29 29.2	20	A
324	431	NEPHELE	1971 Feb. 22.02500	8 50 55.64	+18 29 36.7	20	A
325	442	EICHSFELDIA	1971 Apr. 19.87222	11 10 17.37	+13 06 48.0	20	A
326	442	EICHSFELDIA	1971 Apr. 19.91458	11 10 16.83	+13 06 50.5	20	A
327	445	EDNA	1969 Jan. 21.96528	7 43 31.75	+19 37 29.9	20	Pe
328	445	EDNA	1969 Jan. 21.99792	7 43 29.73	+19 37 22.7	20	Pe
329	445	EDNA	1969 Jan. 22.02083	7 43 28.34	+19 37 19.1	20	Pe
330	445	EDNA	1969 Jan. 27.01424	7 38 44.84	+19 24 33.0	15	Pe
331	445	EDNA	1969 Jan. 27.05382	7 38 42.71	+19 24 28.0	15	Pe
332	447	VALENTINE	1968 Jan. 31.92083	7 14 53.67	+27 04 55.5	20	A
333	447	VALENTINE	1968 Jan. 31.97431	7 14 51.28	+27 04 59.1	16	A
334	447	VALENTINE	1968 Feb. 1.90972	7 14 09.67	+27 06 23.5	20	A
335	447	VALENTINE	1968 Feb. 1.95139	7 14 07.81	+27 06 26.6	20	A
336	458	HERCYNIA	1969 Jan. 21.96528	7 28 42.79	+14 45 51.1	20	Pe
337	458	HERCYNIA	1969 Jan. 21.99792	7 28 41.07	+14 46 07.1	20	Pe
338	458	HERCYNIA	1969 Jan. 22.02083	7 28 39.88	+14 46 16.0	20	Pe
339	458	HERCYNIA	1969 Jan. 26.98090	7 24 42.29	+15 24 06.8	15	Pe
340	458	HERCYNIA	1969 Jan. 26.99757	7 24 41.28	+15 24 13.4	15	Pe
341	458	HERCYNIA	1969 Jan. 27.01424	7 24 40.75	+15 24 22.7	15	Pe
342	458	HERCYNIA	1969 Jan. 27.02743	7 24 40.06	+15 24 29.3	15	Pe
343	458	HERCYNIA	1969 Jan. 27.04062	7 24 39.45	+15 24 34.4	15	Pe
344	458	HERCYNIA	1969 Jan. 27.05382	7 24 38.76	+15 24 40.0	15	Pe
345	461	SASKIA	1971 Aug. 21.03403	23 32 02.18	-3 18 46.1	20	A
346	461	SASKIA	1971 Aug. 21.06875	23 32 00.83	-3 18 54.2	20	A
347	462	ERIPHYLA	1971 Apr. 15.90347	12 09 22.12	+3 55 59.1	20	A
348	462	ERIPHYLA	1971 Apr. 15.94514	12 09 20.44	+3 56 08.4	20	A
349	465	ALEKTO	1970 Dec. 6.93819	4 57 15.77	+27 15 56.2	20	Pe
350	465	ALEKTO	1970 Dec. 6.99375	4 57 12.65	+27 15 52.8	20	Pe
351	469	ARGENTINA	1971 Aug. 21.03403	23 23 11.20	-0 49 11.1	20	A
352	469	ARGENTINA	1971 Aug. 21.06875	23 23 09.84	-0 49 14.2	20	A
353	469	ARGENTINA	1971 Sept. 22.91667	22 58 54.50	-2 08 06.6	20	A
354	469	ARGENTINA	1971 Sept. 22.97917	22 58 51.89	-2 08 14.9	20	A
355	469	ARGENTINA	1971 Sept. 24.79167	22 57 35.28	-2 13 03.9	20	A
356	469	ARGENTINA	1971 Sept. 24.95069	22 57 28.48	-2 13 28.4	20	A
357	469	ARGENTINA	1971 Oct. 9.79236	22 48 27.32	-2 47 41.0	20	A
358	469	ARGENTINA	1971 Oct. 9.83333	22 48 26.05	-2 47 45.3	20	A
359	469	ARGENTINA	1971 Oct. 10.75000	22 47 58.77	-2 49 31.0	20	A
360	469	ARGENTINA	1971 Oct. 10.83819	22 47 56.11	-2 49 41.7	20	A

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No.	Minor Planet		Date U.T.	α 1950.0	δ 1950.0	Exp. t. min.	Obs.
	No.	Name					
361	469	ARGENTINA	1971 Oct. 10.85764	22 ^h 47 ^m 55 ^s .30	-2 ^o 49'44".1	20	A
362	469	ARGENTINA	1971 Oct. 12.88403	22 46 57.75	-2 53 18.9	30	A
363	469	ARGENTINA	1971 Oct. 12.93889	22 46 56.20	-2 53 23.7	30	A
364	469	ARGENTINA	1971 Oct. 17.82778	22 44 54.63	-3 00 51.6	30	Pe
365	469	ARGENTINA	1971 Oct. 17.90764	22 44 52.80	-3 00 58.2	30	Pe
366	478	TERGESTE	1969 Oct. 9.78750	23 35 22.39	+13 15 45.7	20	Pe
367	478	TERGESTE	1969 Oct. 9.82778	23 35 20.93	+13 15 25.4	20	Pe
368	479	CAPRERA	1966 Apr. 13.91563	12 27 43.67	+7 51 45.4	15	A
369	479	CAPRERA	1966 Apr. 13.99479	12 27 40.09	+7 52 05.6	15	A
370	481	EMITA	1966 Apr. 7.87674	11 57 56.10	+14 34 29.9	15	A
371	481	EMITA	1966 Apr. 7.90660	11 57 54.67	+14 34 31.7	15	A
372	481	EMITA	1966 Apr. 12.88854	11 54 18.50	+14 38 23.1	15	A
373	481	EMITA	1966 Apr. 12.95104	11 54 15.87	+14 38 23.4	15	A
374	482	PETRINA	1971 Aug. 25.88542	21 42 43.98	-1 28 52.5	30	Pe
375	482	PETRINA	1971 Aug. 25.95069	21 42 41.20	-1 29 26.2	30	Pe
376	482	PETRINA	1971 Sept. 10.96875	21 33 04.15	-3 51 57.0	20	A
377	482	PETRINA	1971 Sept. 10.98299	21 33 03.81	-3 52 03.4	20	A
378	482	PETRINA	1971 Sept. 13.96944	21 31 40.63	-4 18 09.5	30	A
379	482	PETRINA	1971 Sept. 14.00486	21 31 39.63	-4 18 29.1	20	A
380	482	PETRINA	1971 Sept. 18.87361	21 29 46.03	-4 59 49.2	30	Pe
381	482	PETRINA	1971 Sept. 18.95694	21 29 44.28	-5 00 28.1	30	Pe
382	482	PETRINA	1971 Sept. 19.84514	21 29 26.84	-5 07 50.6	30	Pe
383	482	PETRINA	1971 Sept. 19.90139	21 29 25.70	-5 08 17.7	30	Pe
384	482	PETRINA	1971 Sept. 22.78333	21 28 35.90	-5 31 32.5	20	A
385	482	PETRINA	1971 Sept. 22.85556	21 28 34.72	-5 32 05.9	20	A
386	482	PETRINA	1971 Sept. 22.89722	21 28 34.00	-5 32 26.9	20	A
387	482	PETRINA	1971 Sept. 23.79861	21 28 20.78	-5 39 31.5	20	A
388	482	PETRINA	1971 Sept. 23.86111	21 28 19.82	-5 40 00.7	20	A
389	497	IVA	1971 Feb. 21.96667	8 17 45.26	+25 30 19.2	20	A
390	497	IVA	1971 Feb. 22.00833	8 17 43.57	+25 30 20.3	20	A
391	500	SELINUR	1969 Oct. 6.91146	1 22 40.10	+27 14 06.9	21	Pe
392	500	SELINUR	1969 Oct. 6.95729	1 22 37.58	+27 13 58.9	21	Pe
393	505	CAVA	1971 Apr. 19.89097	13 45 59.09	+3 11 23.0	20	A
394	505	CAVA	1971 Apr. 19.93264	13 45 56.88	+3 11 32.7	20	A
395	509	IOLANDA	1969 Oct. 9.78750	23 31 55.61	+11 17 21.1	20	Pe
396	509	IOLANDA	1969 Oct. 9.82778	23 31 54.31	+11 16 56.9	20	Pe
397	510	MABELLA	1971 Aug. 20.95000	23 03 05.30	+6 33 22.2	20	A
398	510	MABELLA	1971 Aug. 20.99028	23 03 03.67	+6 33 07.1	20	A
399	516	AMHERSTIA	1969 Oct. 6.91146	1 21 49.88	+24 48 39.3	21	Pe
400	516	AMHERSTIA	1969 Oct. 6.95729	1 21 47.30	+24 48 32.4	21	Pe
401	519	SYLVANIA	1971 Apr. 20.93819	12 00 39.42	+10 21 28.1	20	Pe
402	519	SYLVANIA	1971 Apr. 20.99375	12 00 37.23	+10 21 28.5	20	Pe
403	527	EURYANTHE	1971 Apr. 20.95694	11 05 50.19	+17 14 28.1	20	Pe
404	527	EURYANTHE	1971 Apr. 21.01111	11 05 49.20	+17 14 27.2	20	Pe
405	528	REZIA	1970 Nov. 17.91944	3 43 07.55	+22 04 45.5	20	Pe
406	528	REZIA	1970 Nov. 17.98819	3 43 03.92	+22 04 45.9	20	Pe
407	530	TURANDOT	1970 Dec. 6.95556	5 07 04.14	+12 59 52.2	20	Pe
408	530	TURANDOT	1970 Dec. 7.00972	5 07 01.63	+12 59 55.7	20	Pe
409	532	HERCULINA	1968 Jan. 31.92083	7 04 04.68	+25 41 21.1	20	A
410	532	HERCULINA	1968 Jan. 31.97431	7 04 02.00	+25 41 44.5	16	A
411	532	HERCULINA	1968 Feb. 1.90972	7 03 17.33	+25 48 40.4	20	A
412	532	HERCULINA	1968 Feb. 1.95139	7 03 15.29	+25 48 59.0	20	A
413	534	NASSOVIA	1970 Nov. 17.89722	3 45 46.56	+16 40 10.2	20	Pe
414	534	NASSOVIA	1970 Nov. 17.96875	3 45 42.72	+16 40 02.8	20	Pe
415	535	MONTAGUE	1965 Jan. 25.91777	9 13 46.49	+24 23 36.9	61	A
416	535	MONTAGUE	1965 Jan. 25.97298	9 13 43.40	+24 24 08.6	32	A
417	537	PAULY	1969 Oct. 8.82639	0 16 00.97	-13 50 13.7	20	Pe
418	537	PAULY	1969 Oct. 8.86389	0 15 59.82	-13 50 21.8	20	Pe
419	540	ROSAMUNDE	1966 Apr. 12.91841	11 37 30.12	-0 17 30.3	15	A
420	540	ROSAMUNDE	1966 Apr. 12.98021	11 37 28.22	-0 17 01.4	15	A

Continuation Table 1

No.	Minor Planet		Date U.T.	α 1950.0	δ 1950.0	Exp. t. min.	Obs.
	No.	Name					
421	546	HERODIAS	1969 Apr. 9.99722	11 ^h 44 ^m 21 ^s .89	+10 ^o 09' 48".7	20	A
422	546	HERODIAS	1969 Apr. 10.04236	11 44 19.66	+10 09 38.8	20	A
423	556	PHYLLIS	1969 Oct. 9.80347	23 10 28.65	+3 24 46.4	20	Pe
424	556	PHYLLIS	1969 Oct. 9.84514	23 10 27.01	+3 24 35.1	20	Pe
425	559	NANON	1969 Oct. 8.82639	0 04 34.56	-14 02 44.9	20	Pe
426	559	NANON	1969 Oct. 8.86389	0 04 32.89	-14 02 52.0	20	Pe
427	562	SALOME	1970 Nov. 17.87986	2 27 59.23	+6 20 52.3	20	Pe
428	562	SALOME	1970 Nov. 17.95208	2 27 55.42	+6 20 55.1	20	Pe
429	564	DUDU	1965 Sept. 22.94583	1 45 43.71	-16 43 21.6	90	A
430	564	DUDU	1965 Sept. 23.00833	1 45 40.47	-16 43 34.7	90	A
431	564	DUDU	1965 Sept. 23.04514	1 45 38.31	-16 43 45.9	30	A
432	564	DUDU	1965 Sept. 23.06597	1 45 37.51	-16 43 48.5	30	A
433	566	STEREOSKOPIA	1966 Apr. 12.90382	11 41 27.12	+9 00 02.6	15	A
434	566	STEREOSKOPIA	1966 Apr. 12.95753	11 41 25.16	+9 00 09.0	15	A
435	570	KYTHERA	1969 Oct. 6.88576	0 25 34.43	+4 25 20.4	21	Pe
436	570	KYTHERA	1969 Oct. 6.93576	0 25 32.36	+4 25 05.7	21	Pe
437	576	EMANUELA	1967 Oct. 7.00208	23 06 06.11	+9 55 06.9	30	A
438	576	EMANUELA	1967 Oct. 7.02118	23 06 05.38	+9 55 01.9	15	A
439	583	KLOTILDE	1967 Oct. 7.00208	23 24 59.84	+7 02 21.0	30	A
440	583	KLOTILDE	1967 Oct. 7.02118	23 24 59.18	+7 02 12.6	15	A
441	583	KLOTILDE	1967 Oct. 12.84931	23 22 12.23	+6 27 30.5	30	A
442	583	KLOTILDE	1967 Oct. 12.89097	23 22 11.17	+6 27 17.2	30	A
443	584	SEMIRAMIS	1968 Jan. 25.98125	6 06 04.71	+22 37 40.2	16	A
444	584	SEMIRAMIS	1968 Jan. 26.02292	6 06 03.19	+22 37 29.8	16	A
445	601	NERTHUS	1967 June 6.95694	18 39 13.68	+0 24 33.0	10	A
446	601	NERTHUS	1967 June 6.99861	18 39 11.88	+0 25 22.2	10	A
447	608	ADOLFINE	1969 Oct. 9.80347	23 05 12.67	+8 30 28.6	20	Pe
448	608	ADOLFINE	1969 Oct. 9.84514	23 05 11.31	+8 30 16.7	20	Pe
449	618	ELFRIEDE	1971 Feb. 21.96667	8 24 55.18	+27 26 35.7	20	A
450	618	ELFRIEDE	1971 Feb. 22.00833	8 24 53.75	+27 26 45.6	20	A
451	626	NOTBURGA	1969 Mar. 10.95903	10 09 30.48	+15 42 38.0	20	Pe
452	626	NOTBURGA	1969 Mar. 11.01458	10 09 26.90	+15 42 30.8	20	Pe
453	634	UTE	1967 Nov. 1.90903	3 43 42.15	+0 06 56.3	30	A
454	634	UTE	1967 Nov. 1.95069	3 43 40.34	+0 06 46.2	30	A
455	634	UTE	1967 Nov. 1.97465	3 43 39.19	+0 06 40.9	15	A
456	634	UTE	1967 Nov. 24.90625	3 24 58.60	-0 43 43.6	20	A
457	634	UTE	1967 Nov. 24.94792	3 24 56.72	-0 43 42.1	20	A
458	636	ERIKA	1969 Oct. 8.80556	0 43 19.84	-0 59 34.2	20	Pe
459	636	ERIKA	1969 Oct. 8.84722	0 43 17.61	-0 59 37.6	20	Pe
460	640	BRAMBILLA	1970 Nov. 17.89722	3 59 27.85	+19 02 22.9	20	Pe
461	640	BRAMBILLA	1970 Nov. 17.96875	3 59 23.94	+19 01 55.0	20	Pe
462	648	PIPPA	1969 Oct. 9.80347	22 53 17.48	+6 27 27.3	20	Pe
463	648	PIPPA	1969 Oct. 9.84514	22 53 16.17	+6 27 16.7	20	Pe
464	653	BERENIKE	1969 Oct. 8.82639	-0 16 20.11	-12 06 56.3	20	Pe
465	653	BERENIKE	1969 Oct. 8.86389	0 16 18.55	-12 07 07.1	20	Pe
466	660	CRESCENTIA	1969 Apr. 9.97153	10 56 04.66	+14 39 00.5	20	A
467	660	CRESCENTIA	1969 Apr. 10.01944	10 56 03.63	+14 39 18.6	20	A
468	667	DENISE	1971 Aug. 30.89861	21 12 45.02	-9 26 10.0	30	Pe
469	667	DENISE	1971 Aug. 30.94653	21 12 43.24	-9 26 37.0	30	Pe
470	673	EDDA	1970 Nov. 17.89722	3 48 09.54	+19 10 02.9	20	Pe
471	673	EDDA	1970 Nov. 17.96875	3 48 05.57	+19 09 47.1	20	Pe
472	688	MELANIE	1971 Aug. 20.92569	22 48 42.64	-2 34 47.1	20	A
473	688	MELANIE	1971 Aug. 20.97292	22 48 40.77	-2 35 11.6	20	A
474	696	LEONORA	1971 Aug. 20.95000	23 05 02.33	+9 05 55.5	20	A
475	696	LEONORA	1971 Aug. 20.99028	23 05 00.57	+9 06 00.2	20	A
476	712	BOLIVIANA	1971 July 1.92778	19 01 08.89	-6 39 02.5	20	Pe
477	712	BOLIVIANA	1971 July 1.97083	19 01 06.34	-6 38 56.5	20	Pe
478	712	BOLIVIANA	1971 July 28.94444	18 37 01.63	-6 31 02.4	20	Pe
479	712	BOLIVIANA	1971 July 28.98056	18 36 59.74	-6 31 07.3	20	Pe
480	716	BERKELEY	1971 Apr. 20.93819	12 02 29.88	+9 27 57.8	20	Pe

Continuation Table 1

No.	Minor Planet		Date U.T.	α 1950.0	δ 1950.0	Exp. t. min.	Obs.
	No.	Name					
481	716	BERKELEY	1971 Apr. 20.99375	12 ^h 02 ^m 28 ^s .16	+9 ^o 28'11"0	20	Pe
482	727	NIPPONIA	1966 Apr. 13.89827	12 05 41.62	+18 34 59.2	15	A
483	727	NIPPONIA	1966 Apr. 13.98091	12 05 38.37	+18 35 16.2	15	A
484	738	ALAGASTA	1969 Oct. 8.80556	0 40 55.84	-0 21 49.8	20	Pe
485	738	ALAGASTA	1969 Oct. 8.84722	0 40 54.05	-0 22 02.3	20	Pe
486	742	EDISONA	1966 Apr. 13.89827	12 20 40.07	+12 11 32.6	15	A
487	742	EDISONA	1966 Apr. 13.98091	12 20 36.38	+12 11 39.1	15	A
488	743	EUGENISIS	1969 Mar. 10.97639	9 56 12.34	+5 10 51.7	20	Pe
489	743	EUGENISIS	1969 Mar. 11.03125	9 56 10.26	+5 11 08.5	20	Pe
490	743	EUGENISIS	1971 Aug. 25.88542	22 11 32.89	-3 16 17.1	30	Pe
491	743	EUGENISIS	1971 Aug. 25.95069	22 11 29.77	-3 16 36.8	30	Pe
492	745	MAURITIA	1971 Feb. 21.96667	8 01 54.25	+21 17 51.7	20	A
493	745	MAURITIA	1971 Feb. 22.00833	8 01 53.14	+21 18 06.1	20	A
494	747	WINCHESTER	1971 Apr. 22.91319	14 40 54.51	+9 28 34.9	20	Pe
495	747	WINCHESTER	1971 Apr. 22.93056	14 40 53.94	+9 28 32.2	20	Pe
496	747	WINCHESTER	1971 Apr. 22.96875	14 40 52.15	+9 28 48.6	20	Pe
497	747	WINCHESTER	1971 Apr. 22.98681	14 40 51.46	+9 28 48.6	20	Pe
498	754	MALABAR	1966 Apr. 13.91563	12 05 58.38	+4 43 41.7	15	A
499	754	MALABAR	1966 Apr. 13.99479	12 05 55.81	+4 44 30.4	15	A
500	762	PULCOVA	1969 Oct. 9.80347	22 52 19.46	+7 46 49.5	20	Pe
501	762	PULCOVA	1969 Oct. 9.84514	22 52 18.10	+7 46 41.0	20	Pe
502	770	BALI	1971 Apr. 15.90347	12 10 48.97	+3 13 01.8	20	A
503	770	BALI	1971 Apr. 15.94514	12 10 46.90	+3 13 08.0	20	A
504	787	MOSKVA	1967 June 6.95694	18 17 28.37	+1 59 19.8	10	A
505	787	MOSKVA	1967 June 6.99861	18 17 26.63	+1 59 33.1	10	A
506	800	KRESSMANNIA	1971 Aug. 20.92569	22 43 03.74	-6 44 39.9	20	A
507	800	KRESSMANNIA	1971 Aug. 20.97292	22 43 01.00	-6 44 41.2	20	A
508	803	PICKA	1970 Nov. 17.91944	3 57 25.44	+23 04 40.4	20	Pe
509	803	PICKA	1970 Nov. 17.98819	3 57 21.85	+23 04 21.9	20	Pe
510	832	KARIN	1970 Dec. 6.93819	4 57 02.61	+22 39 30.7	20	Pe
511	832	KARIN	1970 Dec. 6.99375	4 56 59.28	+22 39 24.1	20	Pe
512	847	AGNIA	1971 Sept. 23.93264	0 25 32.75	+7 09 38.6	20	A
513	847	AGNIA	1971 Sept. 23.97431	0 25 30.71	+7 09 26.8	20	A
514	857	GLASENAPPIA	1971 Apr. 15.92153	12 47 44.03	+4 06 33.7	20	A
515	857	GLASENAPPIA	1971 Apr. 15.96319	12 47 41.65	+4 06 42.7	20	A
516	862	FRANZIA	1969 Mar. 10.97639	9 41 21.34	+1 01 50.3	20	Pe
517	862	FRANZIA	1969 Mar. 11.03125	9 41 18.91	+1 01 56.5	20	Pe
518	866	FATME	1970 Nov. 17.87986	2 26 16.78	+4 16 41.9	20	Pe
519	866	FATME	1970 Nov. 17.95208	2 26 13.20	+4 16 36.7	20	Pe
520	886	WASHINGTONIA	1971 Apr. 19.89097	13 43 41.97	+3 50 35.1	20	A
521	886	WASHINGTONIA	1971 Apr. 19.93264	13 43 39.99	+3 50 41.0	20	A
522	890	WALTRAUT	1971 Apr. 15.92153	13 10 47.17	+3 25 35.2	20	A
523	890	WALTRAUT	1971 Apr. 15.96319	13 10 45.41	+3 25 50.0	20	A
524	891	GUNHILD	1971 Apr. 22.93056	14 54 30.26	+3 11 06.8	20	Pe
525	891	GUNHILD	1971 Apr. 22.98681	14 54 27.61	+3 11 20.0	20	Pe
526	893	LEOPOLDINA	1971 Apr. 22.93056	14 43 19.38	+7 43 39.2	20	Pe
527	893	LEOPOLDINA	1971 Apr. 22.98681	14 43 16.81	+7 43 59.2	20	Pe
528	897	LYSISTRATA	1971 Aug. 21.97431	23 28 20.30	+21 06 17.5	60	A
529	897	LYSISTRATA	1971 Aug. 22.03681	23 28 17.59	+21 06 22.7	60	A
530	901	BRUNZIA	1971 Aug. 30.89861	21 00 26.77	-9 44 39.0	30	Pe
531	901	BRUNZIA	1971 Aug. 30.94653	21 00 25.21	-9 44 46.5	30	Pe
532	940	KORDULA	1970 Nov. 17.87986	2 20 09.03	+9 28 37.7	20	Pe
533	940	KORDULA	1970 Nov. 17.95208	2 20 05.46	+9 28 32.7	20	Pe
534	943	BEGONIA	1970 Dec. 6.95556	5 14 36.74	+10 51 40.7	20	Pe
535	943	BEGONIA	1970 Dec. 7.00972	5 14 33.98	+10 51 49.0	20	Pe
536	968	PETUNIA	1970 Dec. 6.95556	5 21 36.38	+9 24 03.0	20	Pe
537	968	PETUNIA	1970 Dec. 7.00972	5 21 33.55	+9 23 48.7	20	Pe
538	980	ANACOSTIA	1971 Aug. 21.97431	23 10 40.63	+20 10 07.1	60	A
539	980	ANACOSTIA	1971 Aug. 22.03681	23 10 37.71	+20 10 30.7	60	A
540	984	GREZIA	1969 Oct. 9.80347	22 52 38.63	+4 35 02.9	20	Pe

Continuation Table 1

No.	Minor Planet		Date U. T.	α 1950.0	δ 1950.0	Exp. t. min.	Obs.
	No.	Name					
541	984	GRETIA	1969 Oct. 9.84514	22 ^h 52 ^m 37 ^s .4	+4 ^o 34' 58".3	20	Pe
542	984	GRETIA	1971 Feb. 21.96667	8 00 57.49	+21 53 59.8	20	A
543	984	GRETIA	1971 Feb. 22.00833	8 00 55.96	+21 53 57.3	20	A
544	992	SWASEY	1969 Oct. 6.88576	0 16 02.36	+8 34 28.6	21	Pe
545	992	SWASEY	1969 Oct. 6.93576	0 16 00.26	+8 34 08.4	21	Pe
546	1001	GAUSSIA	1969 Oct. 6.91146	1 31 44.52	+22 39 06.0	21	Pe
547	1001	GAUSSIA	1969 Oct. 6.95729	1 31 42.59	+22 38 54.1	21	Pe
548	1021	FLAMMARIO	1969 Mar. 10.94167	9 36 43.42	+27 44 41.1	20	Pe
549	1021	FLAMMARIO	1969 Mar. 10.99792	9 36 41.41	+27 44 53.4	20	Pe
550	1032	PAFURI	1970 Nov. 17.87986	2 20 08.29	+5 46 34.6	20	Pe
551	1032	PAFURI	1970 Nov. 17.95208	2 20 04.13	+5 46 32.0	20	Pe
552	1033	SIMONA	1971 Sept. 23.93264	0 51 53.93	+5 38 13.9	20	A
553	1033	SIMONA	1971 Sept. 23.97431	0 51 52.33	+5 37 53.6	20	A
554	1042	AMAZONE	1971 Apr. 19.89097	13 49 26.62	+3 15 40.5	20	A
555	1042	AMAZONE	1971 Apr. 19.93264	13 49 24.40	+3 15 41.6	20	A
556	1051	MEROPE	1971 Aug. 20.95000	23 14 16.48	+6 50 16.4	20	A
557	1051	MEROPE	1971 Aug. 20.99028	23 14 15.28	+6 49 55.2	20	A
558	1051	MEROPE	1971 Aug. 25.85000	23 11 40.30	+6 05 14.5	30	Pe
559	1051	MEROPE	1971 Aug. 26.00347	23 11 34.92	+6 03 46.8	30	Pe
560	1051	MEROPE	1971 Aug. 26.86042	23 11 05.99	+5 55 22.9	30	Pe
561	1051	MEROPE	1971 Aug. 27.01806	23 11 00.35	+5 53 51.4	30	Pe
562	1051	MEROPE	1971 Sept. 22.91667	22 54 48.08	+0 47 55.7	20	A
563	1051	MEROPE	1971 Sept. 22.97917	22 54 45.81	+0 47 09.0	20	A
564	1051	MEROPE	1971 Sept. 24.79167	22 53 47.94	+0 25 37.2	20	A
565	1051	MEROPE	1971 Sept. 24.95069	22 53 42.81	+0 23 44.4	20	A
566	1051	MEROPE	1971 Oct. 9.79236	22 47 37.20	-2 22 05.0	20	A
567	1051	MEROPE	1971 Oct. 9.83333	22 47 36.58	-2 22 29.1	20	A
568	1051	MEROPE	1971 Oct. 10.75000	22 47 21.51	-2 31 51.5	20	A
569	1051	MEROPE	1971 Oct. 10.83819	22 47 19.96	-2 32 45.4	20	A
570	1051	MEROPE	1971 Oct. 10.85764	22 47 19.67	-2 32 57.2	20	A
571	1051	MEROPE	1971 Oct. 12.88403	22 46 49.96	-2 53 09.2	30	A
572	1051	MEROPE	1971 Oct. 12.93889	22 46 36.87	-2 54 19.3	30	A
573	1051	MEROPE	1971 Oct. 17.82778	22 45 58.35	-3 39 30.8	30	Pe
574	1051	MEROPE	1971 Oct. 17.90764	22 45 57.70	-3 40 14.0	30	Pe
575	1071	BRITA	1971 Apr. 15.90347	12 16 56.48	+4 06 25.0	20	A
576	1071	BRITA	1971 Apr. 15.94514	12 16 54.65	+4 06 30.4	20	A
577	1079	MIMOSA	1971 Feb. 21.98472	8 38 24.37	+18 55 26.3	20	A
578	1079	MIMOSA	1971 Feb. 22.02500	8 38 22.79	+18 55 30.4	20	A
579	1082	PIROLA	1971 Sept. 23.93264	0 41 33.97	+2 30 35.6	20	A
580	1082	PIROLA	1971 Sept. 23.97431	0 41 32.13	+2 30 22.2	20	A
581	1087	ARABIS	1969 Oct. 8.80556	0 22 33.15	-4 13 53.8	20	Pe
582	1087	ARABIS	1969 Oct. 8.84722	0 22 30.96	-4 13 58.0	20	Pe
583	1097	VICIA	1971 Aug. 20.96736	23 00 09.20	-7 37 38.9	20	A
584	1097	VICIA	1971 Aug. 20.97292	23 00 07.31	-7 37 54.4	20	A
585	1109	TATA	1971 Sept. 18.84514	23 27 22.91	+3 05 32.0	30	Pe
586	1109	TATA	1971 Sept. 18.92847	23 27 19.16	+3 05 08.0	30	Pe
587	1109	TATA	1971 Sept. 19.82153	23 26 40.57	+3 00 53.1	30	Pe
588	1109	TATA	1971 Sept. 19.92500	23 26 36.13	+3 00 23.8	30	Pe
589	1109	TATA	1971 Oct. 17.82778	23 10 24.26	+0 53 40.4	30	Pe
590	1109	TATA	1971 Oct. 17.90764	23 10 22.59	+0 53 27.4	30	Pe
591	1110	JAROSLAWA	1971 Aug. 20.95000	23 05 19.96	+8 53 37.6	20	A
592	1110	JAROSLAWA	1971 Aug. 20.99028	23 05 18.53	+8 53 35.6	20	A
593	1110	JAROSLAWA	1971 Oct. 9.79236	22 40 44.22	+3 11 19.8	20	A
594	1110	JAROSLAWA	1971 Oct. 9.83333	22 40 44.37	+3 11 03.1	20	A
595	1110	JAROSLAWA	1971 Oct. 12.88403	22 41 10.72	+2 49 13.6	30	A
596	1110	JAROSLAWA	1971 Oct. 12.93889	22 41 11.12	+2 48 51.4	30	A
597	1114	LORRAINE	1971 Sept. 23.93264	0 52 18.75	+7 27 42.8	20	A
598	1114	LORRAINE	1971 Sept. 23.97431	0 52 17.15	+7 27 24.4	20	A
599	1119	EUBOEA	1969 Oct. 8.80556	0 47 49.34	-5 01 21.2	20	Pe
600	1119	EUBOEA	1969 Oct. 8.84722	0 47 46.77	-5 01 26.9	20	Pe

Continuation Table 1

No.	Minor Planet		Date U.T.	α 1950.0	δ 1950.0	Exp. t. min.	Obs.
	No.	Name					
601	1124	STROOBANTIA	1971 Apr. 19.87222	11 ^h 11 ^m 08 ^s .12	+9° 59' 03".2	20	A
602	1124	STROOBANTIA	1971 Apr. 19.91458	11 11 07.20	+9 59 02.4	20	A
603	1129	NEUJMINA	1971 Aug. 25.88542	21 56 16.80	-0 16 43.2	30	Pe
604	1129	NEUJMINA	1971 Aug. 25.95069	21 56 13.64	-0 16 55.3	30	Pe
605	1129	NEUJMINA	1971 Sept. 19.84514	21 39 16.59	-1 50 48.7	30	Pe
606	1129	NEUJMINA	1971 Sept. 19.90139	21 39 14.84	-1 50 56.8	30	Pe
607	1129	NEUJMINA	1971 Sept. 22.78333	21 37 54.24	-2 02 11.4	20	A
608	1129	NEUJMINA	1971 Sept. 22.85556	21 37 52.33	-2 02 32.2	20	A
609	1129	NEUJMINA	1971 Sept. 22.89722	21 37 50.99	-2 02 40.7	20	A
610	1129	NEUJMINA	1971 Sept. 23.79861	21 37 28.31	-2 06 06.6	20	A
611	1129	NEUJMINA	1971 Sept. 23.86111	21 37 26.71	-2 06 21.9	20	A
612	1149	VOLGA	1969 Oct. 6.91146	1 26 54.06	+26 13 35.4	21	Pe
613	1149	VOLGA	1969 Oct. 6.95729	1 26 51.81	+26 13 22.2	21	Pe
614	1170	SIVA	1969 Oct. 9.90208	23 13 01.67	-2 59 00.7	20	Pe
615	1170	SIVA	1969 Oct. 9.94861	23 12 57.74	-2 58 24.0	20	Pe
616	1177	GONNESSIA	1971 July 1.92778	19 23 52.73	-9 22 40.5	20	Pe
617	1177	GONNESSIA	1971 July 1.97083	19 23 50.73	-9 22 33.9	20	Pe
618	1219	BRITTA	1970 Nov. 17.91944	4 01 49.77	+23 17 21.2	20	Pe
619	1219	BRITTA	1970 Nov. 17.98819	4 01 45.01	+23 17 25.0	20	Pe
620	1224	FANTASIA	1969 Oct. 9.78750	23 52 24.57	+16 00 04.2	20	Pe
621	1224	FANTASIA	1969 Oct. 9.82778	23 52 22.85	+15 59 41.5	20	Pe
622	1227	GERANIUM	1971 Sept. 23.93264	0 34 09.17	+5 34 12.4	20	A
623	1227	GERANIUM	1971 Sept. 23.97431	0 34 06.62	+5 34 12.2	20	A
624	1239	QUETELETA	1971 Feb. 21.96667	8 05 16.50	+22 57 08.3	20	A
625	1239	QUETELETA	1971 Feb. 22.00833	8 05 15.49	+22 57 09.1	20	A
626	1244	DEIRA	1969 Oct. 6.91146	1 13 55.92	+22 37 11.7	21	Pe
627	1244	DEIRA	1969 Oct. 6.95729	1 13 53.12	+22 36 59.6	21	Pe
628	1262	SNIADECKIA	1967 Nov. 1.90903	3 52 24.02	+1 20 12.8	30	A
629	1262	SNIADECKIA	1967 Nov. 1.95069	3 52 22.17	+1 20 03.3	30	A
630	1262	SNIADECKIA	1967 Nov. 24.90625	3 33 53.74	+0 32 07.4	20	A
631	1262	SNIADECKIA	1967 Nov. 24.94792	3 33 51.40	+0 32 06.6	20	A
632	1275	CIMBRIA	1971 Aug. 20.95000	23 03 09.55	+5 31 44.1	20	A
633	1275	CIMBRIA	1971 Aug. 20.99028	23 03 08.15	+5 31 26.3	20	A
634	1280	BAILLAUDA	1971 Oct. 9.79236	22 45 32.81	-0 04 40.5	20	A
635	1280	BAILLAUDA	1971 Oct. 9.83333	22 45 29.02	-0 05 08.1	20	A
636	1280	BAILLAUDA	1971 Oct. 10.75000	22 51 29.38	-0 16 06.0	20	A
637	1280	BAILLAUDA	1971 Oct. 10.83819	22 44 32.60	-0 16 44.3	20	A
638	1317	SILVRETTA	1969 Oct. 6.88576	0 25 13.27	+4 43 50.8	21	Pe
639	1317	SILVRETTA	1969 Oct. 6.93576	0 25 09.80	+4 44 02.8	21	Pe
640	1351	UZBEKISTANIA	1971 Apr. 19.87222	11 04 17.56	+9 27 49.6	20	A
641	1351	UZBEKISTANIA	1971 Apr. 19.91458	11 04 16.82	+9 27 44.4	20	A
642	1426	1937 GF	1971 Aug. 21.03403	23 12 52.62	-3 53 49.8	20	A
643	1426	1937 GF	1971 Aug. 21.06875	23 12 50.65	-3 53 52.8	20	A
644	1457	ANKARA	1971 Feb. 21.98472	8 42 31.24	+14 42 04.0	20	A
645	1457	ANKARA	1971 Feb. 22.02500	8 42 29.07	+14 42 09.5	20	A
646	1458	MINEURA	1971 Sept. 22.91667	23 04 56.19	-1 47 24.8	20	A
647	1458	MINEURA	1971 Sept. 22.97917	23 04 53.64	-1 48 05.1	20	A
648	1458	MINEURA	1971 Oct. 10.75000	22 55 45.47	-4 44 07.4	20	A
649	1458	MINEURA	1971 Oct. 10.83819	22 55 45.14	-4 44 27.7	20	A
650	1475	YALTA	1971 Sept. 23.93264	0 48 59.14	+7 24 04.3	20	A
651	1475	YALTA	1971 Sept. 23.97431	0 48 57.31	+7 23 44.4	20	A
652	1502	ARENDA	1969 Oct. 6.88576	0 16 53.95	+3 47 24.0	21	Pe
653	1502	ARENDA	1969 Oct. 6.93576	0 16 51.63	+3 47 06.2	21	Pe
654	1533	1939 BD	1971 Apr. 19.89097	13 27 03.61	+3 18 25.7	20	A
655	1533	1939 BD	1971 Apr. 19.93264	13 27 01.92	+3 18 41.3	20	A
656	1544	VINTERHANSENIA	1968 Feb. 1.90972	6 59 28.36	+27 26 29.5	20	A
657	1544	VINTERHANSENIA	1968 Feb. 1.95139	6 59 26.64	+27 26 29.6	20	A
658	1566	ICARUS	1968 June 14.87917	14 13 38.50	+58 51 30.1	4	A
659	1566	ICARUS	1968 June 14.88194	14 13 44.69	+58 47 51.8	4	A
660	1566	ICARUS	1968 June 14.95833	14 16 43.60	+57 04 15.0	4	A

Continuation Table 1

No.	Minor Planet		Date U.T.	α 1950.0	δ 1950.0	Exp. t. min.	Obs.
	No.	Name					
661	1566	ICARUS	1968 June 14.96111	14 ^h 16 ^m 50 ^s .14	+57° 00' 30".4	4	A
662	1566	ICARUS	1968 June 15.90486	14 39 43.04	+36 52 19.8	4	A
663	1566	ICARUS	1968 June 15.90764	14 39 45.39	+36 49 07.0	4	A
664	1566	ICARUS	1968 June 15.90972	14 39 47.15	+36 46 41.6	2	A
665	1566	ICARUS	1968 June 15.91111	14 39 48.33	+36 45 06.1	2	A
666	1566	ICARUS	1968 June 16.92361	14 50 42.15	+20 06 47.6	2	A
667	1566	ICARUS	1968 June 16.92500	14 50 42.73	+20 05 40.1	2	A
668	1566	ICARUS	1968 June 16.92639	14 50 43.33	+20 04 33.2	2	A
669	1566	ICARUS	1968 June 16.92778	14 50 43.93	+20 03 26.7	2	A
670	1566	ICARUS	1968 June 17.92500	14 56 43.52	+8 55 13.9	2	A
671	1566	ICARUS	1968 June 17.92639	14 56 43.91	+8 54 28.2	2	A
672	1566	ICARUS	1968 June 17.92778	14 56 44.30	+8 53 42.0	2	A
673	1566	ICARUS	1968 June 17.92917	14 56 44.68	+8 52 56.5	2	A
674	1572	POSNANIA	1971 Nov. 13.78194	23 18 53.90	-3 15 00.3	20	A
675	1572	POSNANIA	1971 Nov. 13.83750	23 18 54.53	-3 14 40.0	30	A
676	1620	GEOGRAPHOS	1969 Sept. 8.87500	20 20 37.00	-7 53 20.2	4	A
677	1620	GEOGRAPHOS	1969 Sept. 8.89097	20 20 41.49	-7 51 46.7	4	A
678	1620	GEOGRAPHOS	1969 Sept. 9.84653	20 25 17.55	-6 22 57.2	2	A
679	1620	GEOGRAPHOS	1969 Sept. 9.85347	20 25 19.47	-6 22 20.8	2	A
680	1620	GEOGRAPHOS	1969 Sept. 9.86181	20 25 21.38	-6 21 33.3	2	A
681	1620	GEOGRAPHOS	1969 Sept. 9.86875	20 25 23.21	-6 20 58.8	2	A
682	1620	GEOGRAPHOS	1969 Sept. 9.88264	20 25 26.82	-6 19 44.4	2	A
683	1620	GEOGRAPHOS	1969 Sept. 9.88958	20 25 28.53	-6 19 11.2	2	A
684	1620	GEOGRAPHOS	1969 Sept. 9.89653	20 25 30.45	-6 18 33.0	2	A
685	1620	GEOGRAPHOS	1969 Sept. 9.90347	20 25 32.19	-6 17 56.2	2	A
686	1620	GEOGRAPHOS	1969 Sept. 9.91042	20 25 33.86	-6 17 20.7	2	A
687	1666	VAN GENT	1969 Oct. 6.88576	0 17 52.19	+8 07 41.8	21	Pe
688	1666	VAN GENT	1969 Oct. 6.93576	0 17 49.58	+8 07 20.8	21	Pe
689	1807	SLOVAKIA	1971 Aug. 20.95000	23 28 48.18	+4 05 28.0	20	A
690	1807	SLOVAKIA	1971 Aug. 20.99028	23 28 46.94	+4 05 25.2	20	A
691	1807	SLOVAKIA	1971 Aug. 25.85000	23 26 11.24	+3 55 08.7	30	A
692	1807	SLOVAKIA	1971 Aug. 26.00347	23 26 05.52	+3 54 45.4	30	A
693	1807	SLOVAKIA	1971 Aug. 26.86042	23 25 34.29	+3 52 15.1	30	A
694	1807	SLOVAKIA	1971 Aug. 27.01806	23 25 28.07	+3 51 45.9	30	A
695	1807	SLOVAKIA	1971 Aug. 28.97917	23 24 11.91	+3 45 16.3	30	A
696	1807	SLOVAKIA	1971 Aug. 29.02083	23 24 10.00	+3 45 04.9	30	A
697	1807	SLOVAKIA	1971 Sept. 18.84514	23 07 41.27	+1 46 46.3	30	A
698	1807	SLOVAKIA	1971 Sept. 18.92847	23 07 37.42	+1 46 13.2	30	A
699	1807	SLOVAKIA	1971 Sept. 19.82153	23 06 54.77	+1 39 48.5	30	A
700	1807	SLOVAKIA	1971 Sept. 19.92500	23 06 49.91	+1 39 08.1	30	A
701	1807	SLOVAKIA	1971 Sept. 22.91667	23 04 31.60	+1 17 24.1	20	A
702	1807	SLOVAKIA	1971 Sept. 22.97917	23 04 28.66	+1 16 56.4	20	A
703	1807	SLOVAKIA	1971 Sept. 24.79167	23 03 10.01	+1 03 47.8	20	A
704	1807	SLOVAKIA	1971 Sept. 24.95069	23 03 02.85	+1 02 39.1	20	A
705	1807	SLOVAKIA	1971 Oct. 9.79236	22 55 27.38	-0 36 29.2	20	A
706	1807	SLOVAKIA	1971 Oct. 9.83333	22 55 26.62	-0 36 44.5	20	A
707	1807	SLOVAKIA	1971 Oct. 10.75000	22 55 11.96	-0 41 59.5	20	A
708	1807	SLOVAKIA	1971 Oct. 10.83819	22 55 10.54	-0 42 28.2	20	A
709	1807	SLOVAKIA	1971 Oct. 10.85764	22 55 10.18	-0 42 34.9	20	A
710	1807	SLOVAKIA	1971 Oct. 12.88403	22 54 44.27	-0 53 30.1	30	A
711	1807	SLOVAKIA	1971 Oct. 12.93889	22 54 43.58	-0 53 46.6	30	A
712	1807	SLOVAKIA	1971 Oct. 17.82778	22 54 18.46	-1 16 56.1	30	A
713	1807	SLOVAKIA	1971 Oct. 17.90764	22 54 18.28	-1 17 15.4	30	A
714		1969 TB	1969 Oct. 8.80556	0 27 11.64	-6 01 49.9	20	A
715		1969 TB	1969 Oct. 8.84722	0 27 09.63	-6 02 01.2	20	A
716		1971 QB	1971 Aug. 25.88554	21 56 55.56	-5 01 03.6	30	A
717		1971 QB	1971 Aug. 25.95069	21 56 52.34	-5 01 00.0	30	A

Table 2

No.	Catalogue	Star Numbers and Dependences			$\Delta\alpha \cos\delta$	$\Delta\delta$	Note
1	SAO 2 Star Catalog	80861 .25400	80884 .22347	80891 .52253	1.0	0.4	
		80850 .22090	80879 .51486	80904 .26424			
2	SAO 2 Star Catalog	80861 .27518	80884 .20477	80891 .52005	0.6	0.9	
		80850 .22371	80879 .52353	80904 .25276			
3	SAO 2 Star Catalog	97908 .36912	97954 .51115	97956 .11973	0.7	1.3	<i>j</i>
		97900 .37493	97956 .21031	97968 .41476			
4	SAO 2 Star Catalog	97908 .37841	97954 .50092	97956 .12067	0.1	1.0	<i>j</i>
		97900 .38107	97956 .21150	97968 .40743			
5	SAO 3 Star Catalog	143069 .16466	143124 .59406	143126 .24128	0.4	0.8	<i>a,f,j</i>
		143057 .17191	143126 .49951	143133 .32858			
6	SAO 3 Star Catalog	143069 .17786	143124 .55677	143126 .26537	0.4	0.7	<i>a,f,j</i>
		143057 .18022	143126 .50571	143133 .31407			
7	SAO 3 Star Catalog	142660 .37840	142676 .39360	142720 .22800	0.7	0.3	<i>j</i>
		142630 .27359	142694 .34952	142705 .37689			
8	SAO 3 Star Catalog	142660 .38783	142676 .39266	142720 .21951	0.3	0.6	<i>j</i>
		142630 .28064	142694 .34689	142705 .37247			
9	SAO 2 Star Catalog	110519 .26527	110531 .25591	110564 .47882	1.1	1.1	<i>j</i>
		110513 .22481	110544 .49456	110549 .28063			
10	SAO 2 Star Catalog	110519 .26929	110531 .26742	110564 .46329	2.1	1.5	<i>j</i>
		110513 .23876	110544 .49278	110549 .26846			
11	SAO 2 Star Catalog	98901 .07663	98925 .40081	98932 .52256	0.1	0.5	<i>b</i>
		98900 .17418	98920 .36926	98942 .45656			
12	SAO 2 Star Catalog	98901 .09715	98925 .38368	98932 .51917	0.6	0.6	<i>f,b</i>
		98900 .18776	98920 .36394	98942 .44830			
13	SAO 3 Star Catalog	163869 .52001	163930 .34210	189782 .13789	0.0	1.4	
		189688 .10270	163900 .61424	163917 .28306			
14	SAO 3 Star Catalog	163869 .53038	163930 .32510	189782 .14452	0.5	1.0	
		189688 .11399	163900 .61678	163917 .26923			
15	SAO 3 Star Catalog	162939 .54253	162948 .16993	162985 .28754	2.8	0.8	<i>a,f</i>
		162948 .04271	162952 .88367	162986 .07362			
16	SAO 3 Star Catalog	162939 .54790	162948 .17127	162985 .28083	1.6	0.1	<i>a,f,g</i>
		162948 .04486	162952 .89073	162986 .06441			
17	SAO 3 Star Catalog	162449 .36864	162462 .30383	162493 .32753	0.0	1.8	<i>j</i>
		162462 .20416	162469 .63908	162483 .15676			
18	SAO 3 Star Catalog	162449 .37037	162462 .31983	162493 .30980	0.5	1.2	<i>f</i>
		162462 .22370	162469 .64093	162483 .13537			
19	SAO 2 Star Catalog	98913 .26390	98924 .47089	98935 .26521	0.2	0.1	<i>f,b</i>
		98915 .19114	98924 .59999	98933 .20887			
20	SAO 2 Star Catalog	98913 .29652	98924 .44258	98935 .26090	0.3	0.4	
		98915 .23365	98924 .55584	98933 .21051			
21	SAO 2 Star Catalog	97810 .44617	97826 .19631	97850 .35752	0.2	0.4	
		97791 .44518	97848 .19408	97866 .36074			
22	SAO 2 Star Catalog	97810 .45263	97826 .19183	97850 .35554	0.5	0.4	
		97791 .44832	97848 .18925	97866 .36243			
23	SAO 3 Star Catalog	146642 .35846	146648 .34786	146679 .29368	0.4	0.2	
		146641 .25096	146642 .42339	146682 .32565			
24	SAO 3 Star Catalog	146642 .35783	146648 .35631	146679 .28586	0.2	0.1	
		146641 .25570	146642 .42442	146682 .31988			
25	SAO 3 Star Catalog	146264 .38434	146321 .24158	146324 .37408	1.3	1.6	<i>b</i>
		146259 .35432	146321 .35103	146322 .29465			
26	SAO 3 Star Catalog	146264 .39124	146321 .24187	146324 .36689	0.2	1.4	<i>i</i>
		146259 .36054	146321 .36161	146322 .27785			
27	SAO 3 Star Catalog	146264 .39281	146321 .24203	146324 .36516	1.0	1.3	<i>b</i>
		146259 .36217	146321 .36422	146322 .27360			
28	SAO 2 Star Catalog	109236 .26599	109239 .34614	109267 .38787	0.7	0.4	
		109231 .45952	109258 .16672	109267 .37376			
29	SAO 2 Star Catalog	109236 .27269	109239 .35227	109267 .37504	0.6	0.4	
		109231 .46943	109258 .16893	109267 .36164			
30	SAO 2 Star Catalog	109331 .69733	109355 .16858	109365 .13409	0.4	0.7	
		109327 .58779	109330 .19007	109370 .22214			
31	SAO 2 Star Catalog	109331 .71389	109355 .16160	109365 .12451	0.1	1.3	
		109327 .61653	109330 .17198	109370 .21149			

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences			$\Delta\alpha \cos \delta$	$\Delta\delta$	Note
32	Yale 19	3751 .53089	3756 .15522	3769 .31389	1.6	0.6	
		3747 .38045	3761 .37319	3783 .24636			
33	Yale 19	3751 .53387	3756 .16916	3769 .29697	3.6	2.8	
		3747 .38597	3761 .37699	3783 .23704			
34	SAO 2 Star Catalog AGK2 9, +25 ^o	78827 .40258	78859 .22700	78885 .37042	1.1	2.3	b
		771 .42774	777 .10019	78901 .47207			
35	SAO 2 Star Catalog AGK2 9, +25 ^o	78827 .41826	78859 .22113	78885 .36061	0.1	1.0	
		771 .43490	777 .10215	78901 .46295			
36	SAO 2 Star Catalog AGK2 9, +25 ^o	78827 .66429	78859 .14568	78885 .19003	0.5	1.4	
		771 .55162	777 .13878	78901 .30960			
37	SAO 2 Star Catalog AGK2 9, +25 ^o	78827 .67528	78859 .14187	78885 .18285	0.0	1.4	
		771 .55738	777 .13950	78901 .30312			
38	SAO 2 Star Catalog	110698 .24082	93078 .62219	110737 .13699	1.6	1.6	j
		93059 .19866	110702 .46351	93091 .33783			
39	SAO 2 Star Catalog	110698 .27035	93078 .60517	110737 .12448	1.3	1.2	
		93059 .21315	110702 .46928	93091 .31757			
40	Yale 19	4501 .21813	4511 .34400	4519 .43787	0.2	0.3	a
		4504A .44428	4514 .43497	4526 .12075			
41	Yale 19	4501 .22905	4511 .34641	4519 .42454	0.3	0.0	a
		4504A .45335	4514 .43314	4526 .11351			
42	Yale 18 AGK2 11, +16 ^o	1211 .57938	4478 .25144	4488 .16918	0.2	0.9	c, d
		1209 .36653	4472 .35862	4493 .27485			
43	Yale 18 AGK2 11, +16 ^o	1211 .58963	4478 .24841	4488 .16196	0.3	0.7	
		1209 .36811	4472 .36256	4493 .26933			
44	SAO 2 Star Catalog AGK2 +3 ^o , +4 ^o	119347 .45475	119358 .29799	1613 .24726	0.2	0.9	
		1613 .62452	1609 .18090	1619 .19458			
45	SAO 2 Star Catalog AGK2 +3 ^o , +4 ^o	119347 .48122	119358 .28058	1613 .23820	0.5	0.9	
		1613 .63123	1609 .18738	1619 .18139			
46	SAO 3 Star Catalog Yale 12, part 1	164033 .93504	7904 -.73280	164078 .79776	1.0	1.8	
		164033 .33544	164072 .39344	164076 .27112			
47	SAO 3 Star Catalog Yale 12, part 1	164033 .94871	7904 -.73518	164078 .78647	0.2	1.4	
		164033 .34870	164072 .38907	164076 .26223			
48	SAO 2 Star Catalog	76074 .30793	76105 .23847	76114 .45360			
		76074 .21747	76098 .27654	76099 .50599			
49	SAO 2 Star Catalog	76074 .33310	76105 .22733	76114 .43957			
		76074 .24541	76098 .26526	76099 .48933			
50	SAO 3 Star Catalog	145729 .13655	145734 -.35246	145770 .21591	0.9	1.4	
		145715 .78356	145749 -.36349	145770 .57993			
51	SAO 3 Star Catalog	145729 .14037	145734 -.35414	145770 .21377	0.0	0.5	b, d, i
		145715 .78593	145749 -.36538	145770 .57945			
52	SAO 3 Star Catalog	145698 .73613	145729 .11645	145788 .14742	0.5	0.3	i
		145698 .79937	145715 -.03786	145770 .23849			
53	SAO 3 Star Catalog	145698 .74112	145729 .11322	145788 .14566	0.4	0.2	i
		145698 .80351	145715 -.03865	145770 .23514			
54	SAO 3 Star Catalog	145648 .36140	145698 .47424	145718 .16436	2.9	3.1	i
		145648 .53413	145674 -.41212	145698 .87799			
55	SAO 3 Star Catalog	145648 .37268	145698 .46357	145718 .16375	0.4	0.4	i
		145648 .54655	146674 -.41471	145698 .86816			
56	SAO 3 Star Catalog	145648 .48809	145698 .33191	145718 .18000	0.4	0.4	i
		145648 .67928	145674 -.45600	145698 .77672			
57	SAO 3 Star Catalog	145648 .49577	145698 .32256	145718 .18167	0.0	0.2	i
		145648 .68884	145674 -.46060	145698 .77176			
58	SAO 3 Star Catalog	145648 1.09271	145674 -.59535	145698 .50264	0.6	0.8	i, j
		145631 -.53538	145648 1.34700	145674 .18837			
59	SAO 3 Star Catalog	145648 1.10487	145674 -.60313	145698 .49826	0.9	1.1	i
		145631 -.53069	145648 1.35671	145674 .17398			
60	SAO 3 Star Catalog	145648 1.10946	145674 -.60264	145698 .49318	1.0	0.6	i
		145631 -.52556	145648 1.35919	145674 .16637			
61	SAO 3 Star Catalog	145648 1.22701	145674 -.64716	145698 .42015	1.2	0.2	i
		145631 -.44805	145648 1.44015	145674 .00790			
62	SAO 3 Star Catalog	145631 1.23524	145648 -.64995	145674 .41471	0.7	1.2	i
		145631 -.44151	145648 1.44452	145674 -.00301			

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences				$\Delta\alpha \cos\delta$	$\Delta\delta$	Note
63	SAO 2 Star Catalog	118608 .40754	118646 .28038	118653 .31208				
		118599 .22735	118639 .30908	118646 .46357	0.4	0.5	<i>b</i>	
64	SAO 2 Star Catalog	118608 .41072	118646 .28705	118653 .30223				
		118599 .23263	118639 .30149	118646 .46588	0.5	0.8	<i>g, b</i>	
65	SAO 2 Star Catalog	128311 .66945	128318 .09353	128335 .23702				
		128305 .46828	128316 .36475	128345 .16697	0.1	0.1		
66	SAO 2 Star Catalog	128311 .69930	128318 .07348	128335 .22722				
		128305 .48040	128316 .35906	128345 .16054	0.4	0.6		
67	SAO 2 Star Catalog	119415 .08669	119421 .76519	119422 .14812				
		119381 .11692	119412 .53173	119448 .35135	0.2	0.1		
68	SAO 2 Star Catalog	119415 .12071	119421 .75076	119422 .12853				
		119381 .11888	119412 .53635	119448 .34477	0.5	0.3		
69	SAO 2 Star Catalog	146332 .58816	146379 .18422	146398 .22762				
		146335 .30020	146356 .55254	146398 .14726	1.4	0.5		
70	SAO 2 Star Catalog	146332 .59151	146379 .18982	146398 .21867				
		146335 .30562	146356 .55304	146398 .14134	1.1	1.6		
71	SAO 2 Star Catalog	78927 .37663	78928 .09253	815 .53084				
	AGK2 9, +29°	78925 .07480	78930 .40595	815 .51925	0.4	1.1		
72	SAO 2 Star Catalog	78927 .38290	78928 .09968	815 .51742				
	AGK2 9, +29°	78925 .08105	78930 .41298	815 .50597	0.4	0.6		
73	SAO 2 Star Catalog	78927 .49061	78928 .21976	815 .28963				
	AGK2 9, +29°	78925 .18933	78930 .53015	815 .28052	0.4	0.9		
74	SAO 2 Star Catalog	78927 .49550	78928 .22519	815 .27931				
	AGK2 9, +29°	78925 .19428	78930 .53551	815 .27021	0.1	0.9		
75	SAO 2 Star Catalog	118050 .39700	118091 .26217	118092 .34083				
		118075 .82409	118075 .12272	118089 .05319	0.1	0.2		
76	SAO 2 Star Catalog	118050 .40596	118091 .27680	118092 .31724				
		118075 .82449	118076 .14829	118089 .02722	0.5	0.4		
77	SAO 3 Star Catalog	144168 .26998	163341 .26309	163385 .46693				
		144168 .25523	163350 .40502	163398 .33975	0.2	0.6		
78	SAO 3 Star Catalog	144168 .26000	163341 .28394	163385 .45606				
		144168 .25519	163350 .41365	163398 .33116	0.2	0.6		
79	SAO 2 Star Catalog	108601 .48073	108646 .28912	108656 .23015				
		108606 .36304	108628 .25585	108641 .38111	0.5	0.8	<i>j</i>	
80	SAO 2 Star Catalog	108601 .49047	108646 .28753	108656 .22200				
		108606 .37889	108628 .26529	108641 .35582	0.1	0.7	<i>f, j</i>	
81	SAO 3 Star Catalog	145868 .35175	145883 .20051	145918 .44774				
		145883 .41572	145901 .27349	145908 .31079	0.5	0.5		
82	SAO 3 Star Catalog	145868 .34851	145883 .22430	145918 .42719				
		145883 .44603	145901 .27542	145908 .27855	0.2	0.6		
83	SAO 3 Star Catalog	145744 .43309	145759 .16355	145766 .40336				
		145740 .57440	145772 .25134	145784 .17426	1.3	0.5	<i>j</i>	
84	SAO 3 Star Catalog	145744 .43704	145759 .16514	145766 .39782				
		145740 .57687	145772 .24940	145784 .17373	0.5	0.8	<i>g</i>	
85	SAO 3 Star Catalog	145723 .33553	145740 .41167	145759 .25280				
		145723 .42456	145744 .29971	145757 .27573	0.9	0.1		
86	SAO 3 Star Catalog	145723 .34785	145740 .39727	145759 .25488				
		145723 .43280	145744 .29204	145757 .27516	0.2	0.8		
87	SAO 3 Star Catalog	145685 .12253	145719 .48052	145723 .39694				
		145681 .09163	145719 .67640	145721 .23197	0.1	0.2		
88	SAO 3 Star Catalog	145685 .13116	145719 .48328	145723 .38556				
		145681 .09981	145719 .67528	145721 .22491	0.0	0.3	<i>b</i>	
89	SAO 3 Star Catalog	145685 .21986	145719 .52292	145723 .25722				
		145681 .18378	145719 .67152	145721 .14470	0.2	0.1	<i>b</i>	
90	SAO 3 Star Catalog	145685 .22535	145719 .52542	145723 .24923				
		145681 .18897	145719 .67136	145721 .13967	0.2	0.0	<i>b</i>	
91	SAO 3 Star Catalog	145685 .33825	145687 .14991	145719 .51184				
		145681 .31888	145692 .15902	145719 .52210	0.8	0.6		
92	SAO 3 Star Catalog	145685 .33621	145687 .15957	145719 .50422				
		145681 .31914	145692 .16788	145719 .51298	0.9	0.7		
93	SAO 3 Star Catalog	145685 .33453	145687 .16530	145719 .50017				
		145681 .31910	145692 .17294	145719 .50796	0.7	0.1		

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences				$\Delta\alpha \cos\delta$	$\Delta\delta$	Note
94	SAO 3 Star Catalog	145681 -.18914	145692 .66842	145700 .52071	0.6	0.2	i	
		145685 -.76073	145687 .97815	145700 .78258				
95	SAO 3 Star Catalog	145681 -.18155	145692 .66975	145700 .51180	0.9	0.7	i	
		145685 -.75076	145687 .97822	145700 .77254				
96	SAO 2 Star Catalog	109253 .75304	109259 .12612	109281 .12084	0.1	0.2		
		109242 .21779	109244 .39825	109281 .38396				
97	SAO 2 Star Catalog	109253 .76315	109259 .13237	109281 .10448	1.1	0.1		
		109242 .22360	109244 .40286	109281 .37355				
98	SAO 3 Star Catalog	146684 .47596	146693 .23549	146715 .28855	0.2	0.0		
		146673 .44415	146695 .24183	146730 .31402				
99	SAO 3 Star Catalog	146684 .47775	146693 .24117	146715 .28108	0.3	0.3		
		146673 .44598	146695 .24539	146730 .30863				
100	SAO 3 Star Catalog	146252 .08080	146254 .64602	146332 .27318	2.0	0.3	b	
101	SAO 3 Star Catalog	146254 .48365	146286 .29624	146311 .22011	2.1	0.6	i	
		146252 .08268	146254 .64759	146332 .26973				
102	SAO 3 Star Catalog	146254 .48942	146286 .29393	146311 .21665	1.6	0.4	b	
		146252 .11577	146254 .68936	146332 .19487				
103	SAO 3 Star Catalog	146254 .61547	146286 .24158	146311 .14295	1.4	0.4	b	
		146252 .11877	146254 .69388	146332 .18735				
104	SAO 3 Star Catalog	146254 .62818	146286 .23616	146311 .13566	0.9	0.1		
		146252 .11936	146254 .69503	146332 .18561				
105	SAO 3 Star Catalog	146254 .63101	146286 .23494	146311 .13405	0.0	0.2	i	
		146252 .03202	146254 .79041	146274 .17757				
106	SAO 3 Star Catalog	146254 .78710	146262 .19205	146291 .02085	0.1	0.2	i	
		146252 .05566	146254 .79126	146274 .15308				
107	SAO 2 Star Catalog	146254 .80562	146262 .18117	146291 .01321	0.3	0.2	j	
		79996 .37243	80004 .34308	80011 .28449				
108	SAO 2 Star Catalog	79980 .26433	80006 .25306	80011 .48261	1.0	0.2	j	
		79996 .38581	80004 .33599	80011 .27820				
109	SAO 2 Star Catalog	79980 .27134	80006 .24876	80011 .47990	0.1	0.1		
		118857 .15182	118858 .68801	118887 .16017				
110	SAO 2 Star Catalog	118841 .05911	118858 .80647	118895 .13442	0.2	0.2		
		118857 .15050	118858 .69535	118887 .15415				
111	SAO 3 Star Catalog	118841 .05912	118858 .81112	118895 .12976	0.3	0.1	f	
		128730 .46337	128738 .09265	128759 .44398				
112	SAO 3 Star Catalog	128722 .27878	128738 .44123	128765 .27999	0.9	0.3	f	
		128730 .48383	128738 .07900	128759 .43717				
113	SAO 2 Star Catalog	80192 .40829	80203 .43021	80220 .16150	1.5	0.1		
		80165 .15271	80191 .25055	80209 .59674				
114	SAO 2 Star Catalog	80192 .41490	80203 .43023	80220 .15487	0.1	0.3		
		80165 .16082	80191 .24550	80209 .59368				
115	SAO 2 Star Catalog	99880 .40232	99883 .27448	99891 .32320	0.4	0.1		
		99871 .28457	99888 .24459	99890 .47084				
116	SAO 2 Star Catalog	99880 .43865	99883 .25679	99891 .30456	0.1	0.3		
		99871 .29914	99888 .23769	99890 .46317				
117	Yale 18	4113 -.50599	4118 .53313	4122 .97286			i	
118	Yale 18	4113 -.48835	4118 .53724	4122 .95111			i	
119	SAO 3 Star Catalog	165518 .18987	165520 .30287	165531 .50726	0.5	0.3		
		165509 .13590	165521 .16023	165531 .70387				
120	SAO 3 Star Catalog	165518 .23519	165520 .33126	165531 .43355	0.3	0.4		
		165509 .16509	165521 .15814	165531 .67677				
121	SAO 3 Star Catalog	165949 .40110	165953 .28173	165968 .31717	1.0	1.7	i	
		165949 .66452	165970 .12772	165972 .20776				
122	SAO 3 Star Catalog	165949 .41348	165953 .27784	165968 .30868	1.4	1.6	i	
		165949 .67204	165970 .12702	165972 .20094				
123	Yale 19 AGK2 I2	1014 .22078	1016 .39272	3955 .18650	0.7	1.0		
		3937 .42771	3950 .39413	1020 .17816				
124	Yale 19 AGK2 I2	1014 .23190	1016 .59218	3955 .17592	0.1	1.4		
		3937 .43476	3950 .39368	1020 .17156				
125	SAO 3 Star Catalog	145320 .30028	145354 .53309	145372 .16663	0.3	0.2		
		145322 .48231	145363 .30496	145372 .21273				
126	SAO 3 Star Catalog	145320 .30577	145354 .53956	145372 .15467	0.1	0.6		
		145322 .48989	145363 .30933	145372 .20078				

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences				$\Delta\alpha \cos\delta$	$\Delta\delta$	Note
127	SAO 3 Star Catalog	165545 .49371	165556 .35828	165566 .14801	1.0	0.2		
		165525 .43740	165568 .46905	165583 .09355				
128	SAO 3 Star Catalog	165545 .54067	165556 .31241	165566 .14692	0.8	0.1		
		165525 .45464	165568 .44466	165583 .10070				
129	SAO 2 Star Catalog	119014 .29626	119036 .25640	119046 .44734	0.7	0.3		
		119015 .13072	119041 1.05019	119051 -.18091				
130	SAO 2 Star Catalog	119014 .29947	119036 .27740	119046 .42313	0.1	0.2		
		119015 .14393	119041 1.04239	119051 -.18632				
131	SAO 3 Star Catalog	128781 .34245	128783 .33194	128793 .32561	0.6	0.9		
		128765 .38168	128783 .25337	128816 .36495				
132	SAO 3 Star Catalog	128781 .35640	128783 .35814	128793 .28546	0.4	1.0		
		128765 .38536	128783 .26022	128816 .35442				
133	SAO 2 Star Catalog	119102 .11946	119104 .59957	119136 .28097	0.1	0.1		
		119099 .34247	119116 .54865	119144 .10888				
134	SAO 2 Star Catalog	119102 .12009	119104 .60809	119136 .27182	0.2	0.3		
		119099 .35124	119116 .54547	119144 .10329				
135	Yale 25	3701 .27673	3709 .45647	3715 .26680	0.6	0.8		
		3698 .36978	3708 .26707	3716 .36314				
136	Yale 25	3701 .30503	3709 .44456	3715 .25041	2.6	0.8		
		3698 .39419	3708 .24995	3716 .35586				
137	SAO 2 Star Catalog	119373 .28770	119393 .20748	119401 .50482	0.3	0.4		
		119385 .27705	119393 .34242	119396 .38053				
138	SAO 2 Star Catalog	119373 .30450	119393 .22296	119401 .47254	0.1	0.3		
		119385 .32041	119393 .31836	119396 .36123				
139	SAO 2 Star Catalog	128081 .16189	128127 .47906	128131 .35905	1.0	0.9	<i>b</i>	
		128089 .13008	128118 .29093	128131 .57899				
140	SAO 2 Star Catalog	128081 .16606	128127 .48515	128131 .34880	0.3	1.1	<i>i</i>	
		128089 .13417	128118 .29537	128131 .57046				
141	SAO 2 Star Catalog	112863 -.03564	112887 .39405	112890 .64159	0.4	0.8	<i>f, i, j</i>	
		112850 -.00533	112878 .05825	112890 .94708				
142	SAO 2 Star Catalog	112863 -.00147	112887 .34986	112890 .65161	0.2	0.5	<i>f, i, j</i>	
		112850 .01669	112878 .05298	112890 .93033				
143	SAO 3 Star Catalog	146692 .28080	146700 .07953	146713 .63967	0.5	0.0		
		146678 .28872	146713 .47854	146721 .23274				
144	SAO 3 Star Catalog	146692 .31422	146700 .05581	146713 .62997	0.2	0.3		
		146678 .29962	146713 .47153	146721 .22885				
145	SAO 2 Star Catalog	74631 .26806	74635 .25804	74669 .47390	0.2	1.0		
		74631 .45473	74651 .30785	74683 .23742				
146	SAO 2 Star Catalog	74631 .28362	74635 .25440	74669 .46198	0.4	0.6		
		74631 .47053	74651 .29524	74683 .23423				
147	SAO 2 Star Catalog	118941 .23434	118982 .40939	118989 .35627	0.4	0.4		
		118935 .05392	118974 .41757	118982 .52851				
148	SAO 2 Star Catalog	118941 .23867	118982 .41562	118989 .34571	0.0	0.3		
		118935 .06047	118974 .41437	118982 .52516				
149	SAO 3 Star Catalog	163862 .45168	163873 .22154	163903 .32678	0.8	0.7	<i>g</i>	
		163868 .68694	163888 .11007	163909 .20299				
150	SAO 3 Star Catalog	163862 .46911	163873 .21819	163903 .31270	0.9	0.5	<i>g, b</i>	
		163868 .70889	163888 .09294	163909 .19817				
151	SAO 2 Star Catalog	109150 .21113	109170 .26494	109174 .52393	0.1	0.2	<i>b</i>	
		109148 .40076	109170 .35584	109210 .24340				
152	SAO 2 Star Catalog	109150 .21698	109170 .28782	109174 .49520	0.1	0.3	<i>b</i>	
		109148 .40318	109170 .35956	109210 .23726				
153	SAO 3 Star Catalog	139455 .45882	139463 .32754	139473 .21364	0.7	0.2		
		139434 .23323	139468 .40371	139474 .36306				
154	SAO 3 Star Catalog	139455 .48267	139463 .31974	139473 .19759	0.5	0.1		
		139434 .23977	139468 .40734	139474 .35289				
155	SAO 2 Star Catalog	108790 .34243	108808 .25286	108820 .40471	0.2	0.4		
		108799 .61615	108808 .17936	108838 .20449				
156	SAO 2 Star Catalog	108790 .34652	108808 .26342	108820 .39006	0.1	0.6	<i>j</i>	
		108799 .62034	108808 .18355	108838 .19611				
157	SAO 2 Star Catalog	118631 .35575	118650 .31171	118681 .33254	0.9	0.3		
		118641 .42239	118652 .46174	118686 .11587				

Continuation Table 2

No.	Catalogue	Star Numbers and Dependencies				$\Delta\alpha \cos \delta$	$\Delta\delta$	Note
158	SAO 2 Star Catalog	118631 .36010	118650 .31076	118681 .32914	0.7	0.2		
		118641 .42396	118652 .46612	118686 .10992				
159	SAO 3 Star Catalog	146514 .30960	146544 .40387	146548 .28653	0.8	0.8	i	
		146527 .02351	146535 .84287	146559 .13362				
160	SAO 3 Star Catalog	146535 .83028	146544 .04769	146548 .12203	0.1	0.1	f,b	
		146527 .03173	146535 .85866	146559 .10961				
161	SAO 3 Star Catalog	146535 .84500	146544 .03788	146548 .11712	0.1	0.1	f,b	
		146527 .03442	146535 .86372	146559 .10186				
162	SAO 2, SAO 3 Star Catalog	119269 .25081	119273 .39182	119289 .35737	0.6	0.2	b	
		119259 .34265	138659 .44305	119304 .21430				
163	SAO 2, SAO 3 Star Catalog	119269 .25736	119273 .39545	119289 .34719	0.9	1.1	b	
		119259 .35109	138659 .43718	119304 .21172				
164	SAO 3, SAO 2 Star Catalog	146698 .58515	146744 .32077	128241 .09408	0.2	0.0		
		128175 .21209	146704 .39292	146744 .39499				
165	SAO 3, SAO 2 Star Catalog	146698 .58703	146744 .32471	128241 .08826	0.3	0.2		
		128175 .21007	146704 .40098	146744 .38894				
166	SAO 3 Star Catalog	128808 .22225	128825 .47157	128862 .30618	0.5	0.7		
		128801 .18479	128818 .38445	128862 .43074				
167	SAO 3 Star Catalog	128808 .22272	128825 .47935	128862 .29793	0.2	0.2		
		128801 .18468	128818 .39127	128862 .42405				
168	SAO 2 Star Catalog	120024 .44984	120064 .04995	120067 .60011	0.9	0.2	i	
		120024 .54255	120077 .26166	120080 .19579				
169	SAO 2 Star Catalog	120024 .45616	120064 .06155	120067 .60539	0.9	0.5	i	
		120024 .54658	120077 .27186	120080 .18156				
170	SAO 2 Star Catalog	128061 .45552	128067 .28295	128114 .26153	0.2	0.8	f	
		128040 .24537	128086 .49736	128092 .25727				
171	SAO 2 Star Catalog	128061 .46156	128067 .28351	128114 .25493	0.1	0.4	f,b	
		128040 .25257	128086 .49399	128092 .25344				
172	SAO 3 Star Catalog	146807 .51058	146822 .12424	146839 .36518	1.2	1.1		
		146809 .47169	146825 .26201	146828 .26630				
173	SAO 3 Star Catalog	146807 .51839	146822 .12561	146839 .35600	0.4	0.0		
		146809 .48931	146825 .25630	146828 .25439				
174	SAO 2 Star Catalog	118517 .27850	118534 .27739	118546 .44411	0.3	0.0		
		118504 .25728	118534 .36211	118560 .38061				
175	SAO 2 Star Catalog	118517 .28649	118534 .27335	118546 .44016	0.3	0.0		
		118504 .26227	118534 .35892	118560 .37881				
176	SAO 2 Star Catalog	97880 .47264	97937 .33556	97989 .19180	0.5	0.0		
		97870 .31026	97910 .39752	97991 .29222				
177	SAO 2 Star Catalog	97880 .47215	97937 .34301	97989 .18484	0.4	0.2		
		97870 .30931	97910 .40271	97991 .28798				
178	SAO 2 Star Catalog	76893 .32617	76938 .48961	76956 .18422	0.7	1.4	f,i	
		76899 .27240	76921 .39628	76954 .33132				
179	SAO 2 Star Catalog	76893 .34039	76938 .47821	76956 .18140	0.1	1.0	j	
		76899 .28442	76921 .39662	76954 .31896				
180	SAO 2 Star Catalog	78888 .18388	78925 .26080	78930 .55532	0.3	1.0		
		78874 .13363	78927 .55841	78928 .30796				
181	SAO 2 Star Catalog	78888 .20107	78925 .25564	78930 .54329	0.6	0.1		
		78874 .14705	78927 .55059	78928 .30236				
182	SAO 2 Star Catalog	78888 .50960	78925 .16146	78930 .32894	0.5	1.4		
		78874 .38513	78927 .41838	78928 .19649				
183	SAO 2 Star Catalog	78888 .52357	78925 .15718	78930 .31925	0.8	1.6		
		78874 .39576	78927 .41243	78928 .19181				
184	SAO 3 Star Catalog	164091 .69457	164104 .14750	164151 .45293	0.3	0.6	f,i	
		164085 .34918	164104 .39871	164125 .04952				
185	SAO 3 Star Catalog	164091 .70505	164104 .15241	164151 .44736	1.2	1.0	f,i	
		164085 .36789	164104 .41151	164125 .04362				
186	SAO 2 Star Catalog	110639 .19970	110646 .46755	110658 .33275	0.5	1.9	j	
		110646 .42294	110650 .48489	110662 .09217				
187	SAO 2 Star Catalog	110639 .23637	110646 .44820	110658 .31543	0.2	0.9	j	
		110646 .44445	110650 .49690	110662 .05865				
188	SAO 2 Star Catalog	118893 .59881	118897 .07654	118916 .32465	0.9	1.2	f,b	
		118878 .07719	118897 .40156	118904 .52125				

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences						$\Delta\alpha \cos\delta$	$\Delta\delta$	Note
189	SAO 2 Star Catalog	118893 .60806	118897 .07213	118916 .31981			1".5	1".6	<i>b</i>	
190	SAO 3 Star Catalog	118878 .08527	118897 .39495	118904 .51978			0.5	0.2		
191	SAO 3 Star Catalog	138445 .23600	138449 .34698	138461 .41702			0.1	0.8		
192	SAO 2 Star Catalog	138443 .31836	138452 .29685	138461 .38479			0.8	0.2		
193	SAO 2 Star Catalog	138445 .23167	138449 .36997	138461 .39836			0.2	0.0		
194	SAO 3 Star Catalog	138443 .32380	138452 .31088	138461 .36532			0.2	0.7		
195	SAO 3 Star Catalog	80221 .31782	80242 .40044	80273 .28174			0.2	0.6		
196	SAO 2 Star Catalog	80215 .39540	80227 10316	80269 .50144			0.8	0.2	<i>j</i>	
197	SAO 2 Star Catalog	80221 .32291	80242 40119	80273 .27590			0.7	0.1	<i>j</i>	
198	SAO 2 Star Catalog	80215 .39982	80227 .10473	80269 .49545			0.0	1.2		
199	SAO 2 Star Catalog	158127 .34306	158136 .23090	158170 .42604			0.1	1.2		
200	SAO 2 Star Catalog	158125 .31402	158146 .34982	158173 .33616			0.7	0.4		
201	SAO 2 Star Catalog	158127 .34292	158136 .23800	158170 .41908			0.0	0.0		
202	SAO 2 Star Catalog	158125 .31726	158146 .35324	158173 .32950			0.0	0.8		
203	SAO 2 Star Catalog	76048 .05414	76085 .70019	76095 .24567			0.0	0.0		
204	SAO 3 Star Catalog	76057 .20127	76085 .52693	76116 .27180			0.7	0.3	<i>g</i>	
205	SAO 3 Star Catalog	76048 .07498	76085 .68817	76095 .23685			0.3	0.0		
206	SAO 2 Star Catalog	76057 .21084	76085 .53872	76116 .25044			0.7	0.0		
207	SAO 2 Star Catalog	100028 .39388	100056 -.02891	100064 .63502			0.4	0.0		
208	SAO 2 Star Catalog	1175 .30736	100064 .64462	1182 .04802			0.1	0.8		
209	SAO 2 Star Catalog	100028 .41138	100056 -.03958	100064 .62820			0.0	0.0		
210	SAO 2 Star Catalog	1175 .31811	100064 .64219	1182 .03970			0.7	0.4		
211	SAO 2 Star Catalog	117962 .49686	117967 .37400	118010 .12914			0.0	0.0		
212	SAO 2 Star Catalog	117953 .45040	117967 .38859	118017 .16101			0.0	0.0		
213	SAO 2 Star Catalog	117962 .50592	117967 .37249	118010 .12159			0.0	0.8		
214	SAO 2 Star Catalog	117953 .45701	117967 .38840	118017 .15459			0.0	0.0		
215	SAO 2 Star Catalog	1259 .24078	99944 .68912	99963 .07010			0.0	0.0		
216	SAO 2 Star Catalog	1281 .24559	1258 .38799	99965 .36642			0.0	0.0		
217	SAO 2 Star Catalog	1259 .24730	99944 .70712	99963 .04558			0.0	0.0		
218	SAO 3 Star Catalog	1281 .24730	1258 .70712	99965 .04558			0.7	0.3		
219	SAO 3 Star Catalog	164089 .38483	164092 .19779	164123 .41738			0.3	0.0		
220	SAO 3 Star Catalog	164089 .53547	164097 .18227	164133 .28226			0.3	0.0		
221	SAO 3 Star Catalog	164089 .38647	164092 .21069	164123 .40284			0.4	0.0		
222	SAO 2 Star Catalog	164089 .53608	164097 .19299	164133 .27093			0.9	0.4	<i>b</i>	
223	SAO 2 Star Catalog	118928 .27822	118950 .31387	118967 .40791			0.1	0.5	<i>f, j</i>	
224	SAO 2 Star Catalog	118921 .29919	118951 .26302	118970 .43779			0.1	0.6	<i>j</i>	
225	SAO 2 Star Catalog	118928 .28505	118950 .31242	118967 .40253			0.1	0.6		
226	SAO 2 Star Catalog	118921 .30497	118951 .26098	118970 .43405			0.1	0.6		
227	SAO 2 Star Catalog	76883 .12880	76919 .11439	76929 .75681			0.1	0.6		
228	SAO 2 Star Catalog	76901 .22610	76924 .10326	76929 .67064			0.1	0.6		
229	SAO 2 Star Catalog	76883 .13737	76919 .14567	76929 .71696			0.1	0.6		
230	SAO 2 Star Catalog	76901 .24987	76924 .10997	76929 .64016			0.1	0.6		
231	SAO 3 Star Catalog	145285 .10158	145314 .28646	145320 .61196			0.1	0.6		
232	SAO 3 Star Catalog	145295 .16795	145313 .33329	145322 .49876			0.1	0.5		
233	SAO 3 Star Catalog	145285 .11630	145314 .28790	145320 .59580			0.1	0.5		
234	SAO 3 Star Catalog	145295 .19031	145313 .33479	145322 .47490			0.2	0.1	<i>f</i>	
235	SAO 3 Star Catalog	128871 .40377	128876 .30936	128893 .28687			0.2	0.1		
236	SAO 3 Star Catalog	128861 .42900	128876 .23184	128908 .33916			0.2	0.4		
237	SAO 3 Star Catalog	128871 .41706	128876 .31123	128893 .27171			0.2	0.4		
238	SAO 3 Star Catalog	128861 .43250	128876 .23832	128908 .32918			1.0	0.0		
239	SAO 3 Star Catalog	146646 .75787	146695 .13278	146697 .10935			0.6	0.4		
240	SAO 3 Star Catalog	146638 .47012	146680 .43208	146695 .09780			0.6	0.4		
241	SAO 3 Star Catalog	146646 .76319	146695 .12914	146697 .10767			0.3	0.1		
242	SAO 3 Star Catalog	146638 .47427	146680 .43237	146695 .09336			0.7	0.6		
243	SAO 3 Star Catalog	161637 .22766	161681 .42394	161695 .34840			0.3	0.1		
244	SAO 3 Star Catalog	161629 .33265	161694 .29968	161695 .36767			0.7	0.6		
245	SAO 3 Star Catalog	161637 .23145	161681 .42562	161695 .34293			0.6	0.7		
246	SAO 3 Star Catalog	161629 .33667	161694 .30068	161695 .36265			0.6	0.7		
247	SAO 2 Star Catalog	119064 .32164	119071 .43573	119093 .24263			1.0	1.0		
248	SAO 2 Star Catalog	119064 .19841	119070 .52980	119089 .27179						
249	SAO 2 Star Catalog	119064 .32397	119071 .44020	119093 .23583						
250	SAO 2 Star Catalog	119064 .19816	119070 .53821	119089 .26363						

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences						$\Delta\alpha \cos\delta$	$\Delta\delta$	Note
220	SAO 2 Star Catalog	108527 .40126	108544 .25440	108552 .34434			0.1	0.7		
		108504 .25043	108517 .34301	108569 .40656						
221	SAO 2 Star Catalog	108527 .40423	108544 .25778	108552 .33799			0.1	0.1		
		108504 .25392	108517 .34086	108569 .40522						
222	SAO 2 Star Catalog	80159 .31318	80186 .43829	80189 .24853			0.6	0.2		
		80153 .35640	80189 .29469	80199 .34891						
223	SAO 2 Star Catalog	80159 .32246	80186 .43220	80189 .24534			0.1	0.1		
		80153 .36137	80189 .29628	80199 .34235						
224	SAO 2 Star Catalog	99941 .25159	99942 .60854	99954 .13987			0.3	0.5		
		99941 .76305	99948 .14080	99951 .09615						
225	SAO 2 Star Catalog	99941 .33183	99942 .54549	99954 .12268			0.6	0.3		
		99941 .79148	99948 .12294	99951 .08558						
226	SAO 3 Star Catalog	146732 .66333	146743 .26103	146754 .07564			0.3	0.1		
		146720 .08167	146732 .74556	146757 .17277						
227	SAO 3 Star Catalog	146732 .67224	146743 .26271	146754 .06505			0.1	0.2		
		146720 .08431	146732 .74962	146757 .16607						
228	SAO 3 Star Catalog	146368 .28260	146374 .02796	146378 .68944			0.4	0.2	<i>b</i>	
		146370 .70360	146371 .07004	146389 .22636						
229	SAO 3 Star Catalog	146368 .32034	146374 .04123	146378 .63843			0.6	0.2		
		146370 .71088	146371 .08524	146389 .20388						
230	SAO 3 Star Catalog	146368 .33003	146374 .04479	146378 .62518			0.4	0.4	<i>b</i>	
		146370 .71257	146371 .08926	146389 .19817						
231	SAO 3 Star Catalog	146341 .78864	146368 .06107	146378 .15029			0.4	0.1	<i>i</i>	
		146339 .79800	146368 .05631	146389 .14569						
232	SAO 3 Star Catalog	146341 .79590	146368 .06035	146378 .14375			0.1	0.1	<i>i</i>	
		146339 .80509	146368 .05146	146389 .14345						
233	SAO 2 Star Catalog	119783 .20044	119804 .52866	119815 .27090			0.7	0.1		
		119782 .20514	119804 .43450	119814 .36036						
234	SAO 2 Star Catalog	119783 .21064	119804 .52371	119815 .26565			0.7	0.3		
		119782 .21739	119804 .41913	119814 .36348						
235	SAO 2, SAO 1 Star Catalog	119908 .25549	139351 .34634	119964 .39817			0.3	0.0	<i>i</i>	
		119918 .24834	139346 .28317	119950 .46849						
236	SAO 2, SAO 1 Star Catalog	119908 .26208	139351 .34206	119964 .39586			1.3	0.4	<i>i</i>	
		119918 .25581	139346 .28639	119950 .45780						
237	SAO 2 Star Catalog AGK2 +20°	97119 .16665	97130 .46294	79639 .37041			0.2	0.9		
		97119 .57540	97182 .25925	884 .16535						
238	SAO 2 Star Catalog AGK2 +20°	97119 .18386	97130 .45336	79639 .36278			0.0	0.5		
		97119 .58417	97182 .25408	884 .16175						
239	SAO 2 Star Catalog AGK2 +20°	97119 .19600	97130 .44619	79639 .35781			0.3	0.6		
		97119 .59015	97182 .24960	884 .16025						
240	SAO 2 Star Catalog AGK2 +20°	863 .17173	97053 .38769	79547 .44058			0.2	0.5	<i>b</i>	
		862 .09966	97053 .53161	79553 .36873						
241	SAO 2 Star Catalog AGK2 +20°	862 .10495	97053 .53244	79553 .36261			0.6	1.0		
242	SAO 2 Star Catalog AGK2 +20°	863 .18590	97053 .38821	79547 .42589			1.0	0.4		
		862 .11646	97053 .52735	79553 .35619						
243	SAO 2 Star Catalog AGK2 +20°	863 .19271	97053 .38951	79547 .41778			0.0	0.1	<i>g, b</i>	
		862 .12433	97053 .52563	79553 .35004						
244	SAO 2 Star Catalog AGK2 +20°	863 .19583	97053 .38992	79547 .41425			0.1	0.9		
		862 .12734	97053 .52577	79553 .34689						
245	SAO 2 Star Catalog AGK2 +20°	863 .20453	97053 .38841	79547 .40706			0.3	0.0		
		862 .13783	97053 .52117	79553 .34100						
246	SAO 2 Star Catalog	99106 .17924	118292 .52473	118322 .29603			0.7	0.4	<i>f, i</i>	
		99087 .26155	118305 .36658	118322 .37187						
247	SAO 2 Star Catalog	99106 .19000	118292 .52558	118322 .28442			0.2	0.6	<i>f, b</i>	
		99087 .26887	118305 .36265	118322 .36848						
248	SAO 2 Star Catalog	94293 .27988	94323 .18920	94327 .53092			0.7	0.3	<i>g, b</i>	
		94291 .31291	94307 .27651	94341 .41058						
249	SAO 2 Star Catalog	94293 .29866	94323 .22036	94327 .48098			0.2	0.9	<i>g, i</i>	
		94291 .32590	94307 .27805	94341 .39605						
250	SAO 2 Star Catalog	76830 .41482	76846 .39590	76870 .18928			0.1	0.1	<i>f, j</i>	
		76837 .46433	76846 .40177	76872 .13390						

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences						$\Delta\alpha \cos\delta$	$\Delta\delta$	Note
251	SAO 2 Star Catalog	76830 .44224	76846 .37630	76870 .18146			0.4	0.6	<i>j</i>	
		76837 .47107	76846 .41168	76872 .11725						
252	SAO 3 Star Catalog	138718 .66645	138732 .20187	138734 .13168			0.2	1.2		
		138720 .73707	138732 .25132	138744 .01161						
253	SAO 3 Star Catalog	138718 .69568	138732 .19169	138734 .11263			0.2	0.9		
		138720 .75211	138732 .26445	138744 -.01656						
254	SAO 2 Star Catalog	119233 .10467	119251 .60398	119252 .29135			0.1	0.5		
		119227 .27919	119252 .40483	119262 .31598						
255	SAO 2 Star Catalog	119233 .12479	119251 .57932	119252 .29589			0.3	0.4		
		119227 .28775	119252 .41491	119262 .29734						
256	SAO 2, SAO 3 Star Catalog	145684 .23659	127103 .41298	127136 .35043			0.9	0.1		
		145679 .40354	127106 .09633	127136 .50013						
257	SAO 2, SAO 3	145684 .25009	127103 .40961	127136 .34030			0.4	0.3		
		145679 .42518	127106 .07314	127136 .50168						
258	SAO 3 Star Catalog	145560 .08437	145571 .43641	145581 .47922			0.2	0.2	<i>j</i>	
		145538 .37534	145571 .28609	145612 .33857						
259	SAO 3 Star Catalog	145560 .08719	145571 .44459	145581 .46822			0.1	0.4	<i>j</i>	
		145538 .37005	145571 .29849	145612 .33176						
260	SAO 3 Star Catalog	145523 .34997	145545 .31402	145582 .33601			0.8	0.3		
		145523 .20775	145554 .59127	145571 .20098						
261	SAO 3 Star Catalog	145523 .34295	145545 .33273	145582 .32432			0.6	0.1		
		145523 .21053	145554 .60125	145571 .18822						
262	SAO 3 Star Catalog	145481 .09175	145522 .85669	145526 .05156			0.2	0.3		
		145508 .34747	145511 .35981	145557 .29272						
263	SAO 3 Star Catalog	145481 .10391	145522 .83262	145526 .06347			0.1	0.9		
		145508 .34078	145511 .37746	145557 .28176						
264	SAO 3 Star Catalog	145481 .22152	145522 .56326	145526 .21522			0.2	0.0		
		145508 .24892	145511 .57320	145557 .17788						
265	SAO 3 Star Catalog	145481 .22894	145522 .54645	145526 .22461			0.1	0.1		
		145508 .24327	145511 .58549	145557 .17124						
266	SAO 3 Star Catalog	145481 .35900	145492 .22304	145526 .41796			2.6	0.2		
		145485 .50440	145487 .05137	145520 .44423						
267	SAO 3 Star Catalog	145481 .35224	145492 .23902	145526 .40874			2.4	0.5		
		145485 .48315	145487 .08103	145520 .43502						
268	SAO 3 Star Catalog	145481 .34866	145492 .24779	145526 .40355			2.2	0.1		
		145485 .47204	145487 .09818	145520 .42978						
269	SAO 3 Star Catalog	145481 .25959	145492 .44038	145526 .30003			0.4	0.2		
		145485 .21382	145487 .45629	145520 .32989						
270	SAO 3 Star Catalog	145481 .25362	145492 .45348	145526 .29290			0.3	0.4		
		145485 .19651	145487 .48078	145520 .32271						
271	SAO 2 Star Catalog	76161 .39790	76204 .40236	76220 .19974			0.3	0.1		
		76147 .40260	76206 .30844	76220 .28896						
272	SAO 2 Star Catalog	76161 .43014	76204 .37629	76220 .19357			0.3	0.5	<i>j</i>	
		76147 .42341	76206 .30641	76220 .27018						
273	SAO 2 Star Catalog	110558 .30711	110568 .50286	110606 .19003			0.7	0.3	<i>j</i>	
		110548 .37799	110568 .14883	110588 .47318						
274	SAO 2 Star Catalog	110558 .34839	110568 .46542	110606 .18619			0.1	0.4	<i>j</i>	
		110548 .39851	110568 .14040	110588 .46109						
275	SAO 3 Star Catalog	145293 .12282	145337 .68058	145366 .19660			0.1	2.7		
		164316 .16204	145333 .59725	145366 .24071						
276	SAO 3 Star Catalog	145293 .13717	145337 .66328	145366 .19955			0.2	0.1		
		164316 .16863	145333 .60134	145366 .23003						
277	SAO 2 Star Catalog	93088 1.30822	93110 -.88494	93136 .57672			7.8	3.7	<i>i</i>	
		93071 1.76685	93091 -2.00045	93136 1.23360						
278	SAO 2 Star Catalog	93088 1.30777	93110 -.86045	93136 .55268			6.5	4.3	<i>i, j</i>	
		93071 1.75294	93091 -1.96342	93136 1.21048						
279	SAO 2 Star Catalog	99181 .39896	99194 .17241	99201 .42863			0.3	0.4		
		99182 .54186	99205 .15874	99209 .29940						
280	SAO 2 Star Catalog	99181 .40551	99194 .16774	99201 .42675			0.2	0.0		
		99182 .54608	99205 .16579	99209 .28813						
281	Yale 19 AGK2 I2	1405 .40476	4548 .25557	4556 .33967			0.8	0.2	<i>a</i>	
		4534 .41941	4544 .20150	4559 .37909						

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences				$\Delta\alpha \cos\delta$	$\Delta\delta$	Note
282	Yale 19 AGK2 12	1405 .40452	4548 .27015	4556 .32533	0.1	0.4	a	
		4534 .43186	4544 .19095	4559 .37719				
283	Yale 18 AGK2 +15 ^o	4551 .29132	1267 .39681	4566G .31187	2.1	0.4	c, d	
		4547 .38763	4565 .21521	4566G .39716				
284	Yale 18 AGK2 +15 ^o	4551 .30142	1267 .39433	4566G .30425	2.3	0.2		
		4547 .39381	4565 .21083	4566G .39536				
285	SAO 2 Star Catalog	99823 .42210	99826 .09428	99845 .48362	0.1	0.1		
	Yale 18	99823 .42706	99826 .17176	4551 .40118				
286	SAO 2 Star Catalog	99823 .42499	99826 .10465	99845 .47036	0.2	0.3		
	Yale 18	99823 .42957	99826 .18017	4551 .39026				
287	SAO 2 Star Catalog	100027 .19390	100045 .28086	100059 .52524	0.3	0.2		
		100018 .25469	100045 .37290	100073 .37241				
288	SAO 2 Star Catalog	100027 .21110	100045 .27632	100059 .51258	0.2	0.4		
		100018 .26610	100045 .36704	100073 .36686				
289	SAO 2 Star Catalog	99485 .11829	99499 .45312	99502 .42859	0.1	0.2		
		99466 .15388	99499 .50058	99513 .34554				
290	SAO 2 Star Catalog	99485 .12340	99499 .45509	99502 .42150	0.0	0.6		
		99466 .15640	99499 .49947	99513 .34413				
291	SAO 3 Star Catalog	163573 .23195	163621 .35318	163638 .41487	0.2	0.1		
		163573 .28900	163633 .35438	163636 .35662				
292	SAO 3 Star Catalog	163573 .24086	163621 .35353	163638 .40561	0.3	0.0		
		163573 .29823	163633 .35122	163636 .35055				
293	SAO 3 Star Catalog	142878 .21347	142886 .25724	142924 .52929	0.0	0.3		
		142877 .34766	142895 .09489	142924 .55745				
294	SAO 3 Star Catalog	142878 .22864	142886 .26113	142924 .51023	0.0	0.0		
		142877 .36427	142895 .09663	142924 .53910				
295	SAO 3 Star Catalog	142412 .24774	161707 .50080	142497 .25146	1.0	1.9		
		161640 .36825	142484 .29820	161746 .33354				
296	SAO 3 Star Catalog	142412 .25102	161707 .50205	142497 .24693	1.1	1.2	g	
		161640 .37152	142484 .29701	161746 .33147				
297	SAO 2 Star Catalog	81579 .46214	99365 .22101	81613 .31685	0.7	1.0		
		99360 .68028	99384 .27050	99386 .04922				
298	SAO 2 Star Catalog	81579 .46642	99365 .22023	81613 .31335	0.1	0.6		
		99360 .68696	99384 .26554	99386 .04750				
299	SAO 3 Star Catalog	162596 .10409	162604 .61012	162613 .28579	0.9	0.5		
		162568 .23507	162613 .42123	162621 .34370				
300	SAO 3 Star Catalog	162596 .14287	162604 .59725	162613 .25988	0.6	1.2	g	
		162568 .24831	162613 .41861	162621 .33308				
301	SAO 2 Star Catalog	79623 .24747	79668 .03267	79670 .71986	1.8	0.9		
		79623 .30520	79652 .21761	79680 .47719				
302	SAO 2 Star Catalog	79623 .25596	79668 .03603	79670 .70801	1.0	0.3		
		79623 .31188	79652 .21710	79680 .47102				
303	SAO 2 Star Catalog	79563 .29418	79577 .46012	79623 .24570	0.5	0.5		
	AGK2 10, +21 ^o	842 .36491	79588 .41150	79623 .22359				
304	SAO 2 Star Catalog	79563 .29653	79577 .46241	79623 .24106	0.4	0.4		
	AGK2 10, +21 ^o	842 .36808	79588 .41257	79623 .21935				
305	SAO 2 Star Catalog	79563 .29956	79577 .46647	79623 .23397	0.2	0.9		
	AGK2 10, +21 ^o	842 .37225	79588 .41528	79623 .21247				
306	SAO 2 Star Catalog	79563 .30221	79577 .46733	79623 .23046	0.4	0.5		
	AGK2 10, +21 ^o	842 .37597	79588 .41377	79623 .21026				
307	SAO 3 Star Catalog	164050 .08912	164057 .15400	164066 - .24312	2.4	1.4	i	
		164050 .90888	164062 .56139	164066 - .47027				
308	SAO 3 Star Catalog	164050 .10833	164057 .16762	164066 - .27595	1.6	1.2	i	
		164050 .93847	164062 .56807	164066 - .50654				
309	SAO 2 Star Catalog	94516 .13491	94562 .34559	94578 .51950	0.0	0.1		
		94516 .20771	94575 .38589	94581 .40640				
310	SAO 2 Star Catalog	94516 .14674	94562 .33844	94578 .51482	0.3	0.3	j	
		94516 .21833	94575 .37906	94581 .40261				
311	Yale 19	4217 .34648	4232 .21137	4234 .44215	0.2	0.0	a	
		4217 .35131	4229 .40173	4236G .24696				

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences						$\Delta\alpha \cos \delta$	$\Delta\delta$	Note																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
312	Yale 19	4217 .36209	4232 .19903	4234 .43888			0.5	0.6																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		4217 .36103	4229 .40493	4236G .23404						313	SAO 2 Star Catalog	119618 .54850	119635 .26355	119655 .18795			0.4	0.8	f	119619 .52481	119637 .18157	119646 .29362			314	SAO 2 Star Catalog	119618 .55181	119635 .27147	119655 .17672			0.8	0.2		119619 .53971	119637 .17465	119646 .28564			315	SAO 3 Star Catalog	138714 .17685	138735 .27123	138755 .55192			0.9	0.4		138728 .25320	138740 .22946	138749 .51734			316	SAO 3 Star Catalog	138714 .19137	138735 .26393	138755 .54470			0.9	0.6		138728 .27166	138740 .23452	138749 .49382			317	SAO 3 Star Catalog	163438 .46315	163506 .26296	163535 .27389			2.3	0.2		163439 .34169	163466 .24707	163525 .41124			318	SAO 3 Star Catalog	163438 .46552	163506 .26552	163535 .26896			2.3	0.1		163439 .34625	163466 .24548	163525 .40827			319	SAO 3 Star Catalog	147056 .52666	147087 .10600	147106 .36734			0.9	0.1		147056 .57454	147060 .12550	147132 .29996			320	SAO 3 Star Catalog	147056 .52831	147087 .11440	147106 .35729						321	SAO 2 Star Catalog	80032 .31196	80074 .24001	80076 .44803			0.5	1.1		80052 .10857	80059 .72896	80095 .16247			322	SAO 2 Star Catalog	80032 .31891	80074 .23992	80076 .44117			0.6	0.1		80052 .11376	80059 .73052	80095 .15572			323	SAO 2 Star Catalog	98190 .10388	98205 .12442	98207 .77170			1.5	0.7		98172 .28549	98205 .41168	98234 .30283			324	SAO 2 Star Catalog	98190 .12461	98205 .12941	98207 .74598			0.9	0.1		98172 .29287	98205 .40994	98234 .29719			325	SAO 2 Star Catalog	99481 .22916	99506 .53430	99510 .23654			0.2	0.3	b	99484 .25830	99503 .50160	99517 .24010			326	SAO 2 Star Catalog	99481 .23225	99506 .53279	99510 .23496			0.5	0.2	b	99484 .25975	99503 .50359	99517 .23666			327	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .42775	97245 .17514	97275 .39711			0.6	1.7		884 .46685	97245 .36319	97289 .16996			328	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .43352	97245 .17518	97275 .39130			0.4	1.7		884 .46898	97245 .37134	97289 .15968			329	SAO 2 Star Catalog	97182 .43772	97245 .17448	97275 .38780			0.6	1.1		884 .47066	97245 .37636	97289 .15298			330	SAO 2 Star Catalog	97130 .49227	97162 .24392	97182 .26381			0.1	0.1	g	97130 .55583	97166 .11493	97183 .32924			331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g
313	SAO 2 Star Catalog	119618 .54850	119635 .26355	119655 .18795			0.4	0.8	f																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		119619 .52481	119637 .18157	119646 .29362						314	SAO 2 Star Catalog	119618 .55181	119635 .27147	119655 .17672			0.8	0.2		119619 .53971	119637 .17465	119646 .28564			315	SAO 3 Star Catalog	138714 .17685	138735 .27123	138755 .55192			0.9	0.4		138728 .25320	138740 .22946	138749 .51734			316	SAO 3 Star Catalog	138714 .19137	138735 .26393	138755 .54470			0.9	0.6		138728 .27166	138740 .23452	138749 .49382			317	SAO 3 Star Catalog	163438 .46315	163506 .26296	163535 .27389			2.3	0.2		163439 .34169	163466 .24707	163525 .41124			318	SAO 3 Star Catalog	163438 .46552	163506 .26552	163535 .26896			2.3	0.1		163439 .34625	163466 .24548	163525 .40827			319	SAO 3 Star Catalog	147056 .52666	147087 .10600	147106 .36734			0.9	0.1		147056 .57454	147060 .12550	147132 .29996			320	SAO 3 Star Catalog	147056 .52831	147087 .11440	147106 .35729						321	SAO 2 Star Catalog	80032 .31196	80074 .24001	80076 .44803			0.5	1.1		80052 .10857	80059 .72896	80095 .16247			322	SAO 2 Star Catalog	80032 .31891	80074 .23992	80076 .44117			0.6	0.1		80052 .11376	80059 .73052	80095 .15572			323	SAO 2 Star Catalog	98190 .10388	98205 .12442	98207 .77170			1.5	0.7		98172 .28549	98205 .41168	98234 .30283			324	SAO 2 Star Catalog	98190 .12461	98205 .12941	98207 .74598			0.9	0.1		98172 .29287	98205 .40994	98234 .29719			325	SAO 2 Star Catalog	99481 .22916	99506 .53430	99510 .23654			0.2	0.3	b	99484 .25830	99503 .50160	99517 .24010			326	SAO 2 Star Catalog	99481 .23225	99506 .53279	99510 .23496			0.5	0.2	b	99484 .25975	99503 .50359	99517 .23666			327	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .42775	97245 .17514	97275 .39711			0.6	1.7		884 .46685	97245 .36319	97289 .16996			328	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .43352	97245 .17518	97275 .39130			0.4	1.7		884 .46898	97245 .37134	97289 .15968			329	SAO 2 Star Catalog	97182 .43772	97245 .17448	97275 .38780			0.6	1.1		884 .47066	97245 .37636	97289 .15298			330	SAO 2 Star Catalog	97130 .49227	97162 .24392	97182 .26381			0.1	0.1	g	97130 .55583	97166 .11493	97183 .32924			331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412												
314	SAO 2 Star Catalog	119618 .55181	119635 .27147	119655 .17672			0.8	0.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		119619 .53971	119637 .17465	119646 .28564						315	SAO 3 Star Catalog	138714 .17685	138735 .27123	138755 .55192			0.9	0.4		138728 .25320	138740 .22946	138749 .51734			316	SAO 3 Star Catalog	138714 .19137	138735 .26393	138755 .54470			0.9	0.6		138728 .27166	138740 .23452	138749 .49382			317	SAO 3 Star Catalog	163438 .46315	163506 .26296	163535 .27389			2.3	0.2		163439 .34169	163466 .24707	163525 .41124			318	SAO 3 Star Catalog	163438 .46552	163506 .26552	163535 .26896			2.3	0.1		163439 .34625	163466 .24548	163525 .40827			319	SAO 3 Star Catalog	147056 .52666	147087 .10600	147106 .36734			0.9	0.1		147056 .57454	147060 .12550	147132 .29996			320	SAO 3 Star Catalog	147056 .52831	147087 .11440	147106 .35729						321	SAO 2 Star Catalog	80032 .31196	80074 .24001	80076 .44803			0.5	1.1		80052 .10857	80059 .72896	80095 .16247			322	SAO 2 Star Catalog	80032 .31891	80074 .23992	80076 .44117			0.6	0.1		80052 .11376	80059 .73052	80095 .15572			323	SAO 2 Star Catalog	98190 .10388	98205 .12442	98207 .77170			1.5	0.7		98172 .28549	98205 .41168	98234 .30283			324	SAO 2 Star Catalog	98190 .12461	98205 .12941	98207 .74598			0.9	0.1		98172 .29287	98205 .40994	98234 .29719			325	SAO 2 Star Catalog	99481 .22916	99506 .53430	99510 .23654			0.2	0.3	b	99484 .25830	99503 .50160	99517 .24010			326	SAO 2 Star Catalog	99481 .23225	99506 .53279	99510 .23496			0.5	0.2	b	99484 .25975	99503 .50359	99517 .23666			327	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .42775	97245 .17514	97275 .39711			0.6	1.7		884 .46685	97245 .36319	97289 .16996			328	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .43352	97245 .17518	97275 .39130			0.4	1.7		884 .46898	97245 .37134	97289 .15968			329	SAO 2 Star Catalog	97182 .43772	97245 .17448	97275 .38780			0.6	1.1		884 .47066	97245 .37636	97289 .15298			330	SAO 2 Star Catalog	97130 .49227	97162 .24392	97182 .26381			0.1	0.1	g	97130 .55583	97166 .11493	97183 .32924			331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																											
315	SAO 3 Star Catalog	138714 .17685	138735 .27123	138755 .55192			0.9	0.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		138728 .25320	138740 .22946	138749 .51734						316	SAO 3 Star Catalog	138714 .19137	138735 .26393	138755 .54470			0.9	0.6		138728 .27166	138740 .23452	138749 .49382			317	SAO 3 Star Catalog	163438 .46315	163506 .26296	163535 .27389			2.3	0.2		163439 .34169	163466 .24707	163525 .41124			318	SAO 3 Star Catalog	163438 .46552	163506 .26552	163535 .26896			2.3	0.1		163439 .34625	163466 .24548	163525 .40827			319	SAO 3 Star Catalog	147056 .52666	147087 .10600	147106 .36734			0.9	0.1		147056 .57454	147060 .12550	147132 .29996			320	SAO 3 Star Catalog	147056 .52831	147087 .11440	147106 .35729						321	SAO 2 Star Catalog	80032 .31196	80074 .24001	80076 .44803			0.5	1.1		80052 .10857	80059 .72896	80095 .16247			322	SAO 2 Star Catalog	80032 .31891	80074 .23992	80076 .44117			0.6	0.1		80052 .11376	80059 .73052	80095 .15572			323	SAO 2 Star Catalog	98190 .10388	98205 .12442	98207 .77170			1.5	0.7		98172 .28549	98205 .41168	98234 .30283			324	SAO 2 Star Catalog	98190 .12461	98205 .12941	98207 .74598			0.9	0.1		98172 .29287	98205 .40994	98234 .29719			325	SAO 2 Star Catalog	99481 .22916	99506 .53430	99510 .23654			0.2	0.3	b	99484 .25830	99503 .50160	99517 .24010			326	SAO 2 Star Catalog	99481 .23225	99506 .53279	99510 .23496			0.5	0.2	b	99484 .25975	99503 .50359	99517 .23666			327	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .42775	97245 .17514	97275 .39711			0.6	1.7		884 .46685	97245 .36319	97289 .16996			328	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .43352	97245 .17518	97275 .39130			0.4	1.7		884 .46898	97245 .37134	97289 .15968			329	SAO 2 Star Catalog	97182 .43772	97245 .17448	97275 .38780			0.6	1.1		884 .47066	97245 .37636	97289 .15298			330	SAO 2 Star Catalog	97130 .49227	97162 .24392	97182 .26381			0.1	0.1	g	97130 .55583	97166 .11493	97183 .32924			331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																										
316	SAO 3 Star Catalog	138714 .19137	138735 .26393	138755 .54470			0.9	0.6																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		138728 .27166	138740 .23452	138749 .49382						317	SAO 3 Star Catalog	163438 .46315	163506 .26296	163535 .27389			2.3	0.2		163439 .34169	163466 .24707	163525 .41124			318	SAO 3 Star Catalog	163438 .46552	163506 .26552	163535 .26896			2.3	0.1		163439 .34625	163466 .24548	163525 .40827			319	SAO 3 Star Catalog	147056 .52666	147087 .10600	147106 .36734			0.9	0.1		147056 .57454	147060 .12550	147132 .29996			320	SAO 3 Star Catalog	147056 .52831	147087 .11440	147106 .35729						321	SAO 2 Star Catalog	80032 .31196	80074 .24001	80076 .44803			0.5	1.1		80052 .10857	80059 .72896	80095 .16247			322	SAO 2 Star Catalog	80032 .31891	80074 .23992	80076 .44117			0.6	0.1		80052 .11376	80059 .73052	80095 .15572			323	SAO 2 Star Catalog	98190 .10388	98205 .12442	98207 .77170			1.5	0.7		98172 .28549	98205 .41168	98234 .30283			324	SAO 2 Star Catalog	98190 .12461	98205 .12941	98207 .74598			0.9	0.1		98172 .29287	98205 .40994	98234 .29719			325	SAO 2 Star Catalog	99481 .22916	99506 .53430	99510 .23654			0.2	0.3	b	99484 .25830	99503 .50160	99517 .24010			326	SAO 2 Star Catalog	99481 .23225	99506 .53279	99510 .23496			0.5	0.2	b	99484 .25975	99503 .50359	99517 .23666			327	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .42775	97245 .17514	97275 .39711			0.6	1.7		884 .46685	97245 .36319	97289 .16996			328	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .43352	97245 .17518	97275 .39130			0.4	1.7		884 .46898	97245 .37134	97289 .15968			329	SAO 2 Star Catalog	97182 .43772	97245 .17448	97275 .38780			0.6	1.1		884 .47066	97245 .37636	97289 .15298			330	SAO 2 Star Catalog	97130 .49227	97162 .24392	97182 .26381			0.1	0.1	g	97130 .55583	97166 .11493	97183 .32924			331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																									
317	SAO 3 Star Catalog	163438 .46315	163506 .26296	163535 .27389			2.3	0.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		163439 .34169	163466 .24707	163525 .41124						318	SAO 3 Star Catalog	163438 .46552	163506 .26552	163535 .26896			2.3	0.1		163439 .34625	163466 .24548	163525 .40827			319	SAO 3 Star Catalog	147056 .52666	147087 .10600	147106 .36734			0.9	0.1		147056 .57454	147060 .12550	147132 .29996			320	SAO 3 Star Catalog	147056 .52831	147087 .11440	147106 .35729						321	SAO 2 Star Catalog	80032 .31196	80074 .24001	80076 .44803			0.5	1.1		80052 .10857	80059 .72896	80095 .16247			322	SAO 2 Star Catalog	80032 .31891	80074 .23992	80076 .44117			0.6	0.1		80052 .11376	80059 .73052	80095 .15572			323	SAO 2 Star Catalog	98190 .10388	98205 .12442	98207 .77170			1.5	0.7		98172 .28549	98205 .41168	98234 .30283			324	SAO 2 Star Catalog	98190 .12461	98205 .12941	98207 .74598			0.9	0.1		98172 .29287	98205 .40994	98234 .29719			325	SAO 2 Star Catalog	99481 .22916	99506 .53430	99510 .23654			0.2	0.3	b	99484 .25830	99503 .50160	99517 .24010			326	SAO 2 Star Catalog	99481 .23225	99506 .53279	99510 .23496			0.5	0.2	b	99484 .25975	99503 .50359	99517 .23666			327	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .42775	97245 .17514	97275 .39711			0.6	1.7		884 .46685	97245 .36319	97289 .16996			328	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .43352	97245 .17518	97275 .39130			0.4	1.7		884 .46898	97245 .37134	97289 .15968			329	SAO 2 Star Catalog	97182 .43772	97245 .17448	97275 .38780			0.6	1.1		884 .47066	97245 .37636	97289 .15298			330	SAO 2 Star Catalog	97130 .49227	97162 .24392	97182 .26381			0.1	0.1	g	97130 .55583	97166 .11493	97183 .32924			331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																								
318	SAO 3 Star Catalog	163438 .46552	163506 .26552	163535 .26896			2.3	0.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		163439 .34625	163466 .24548	163525 .40827						319	SAO 3 Star Catalog	147056 .52666	147087 .10600	147106 .36734			0.9	0.1		147056 .57454	147060 .12550	147132 .29996			320	SAO 3 Star Catalog	147056 .52831	147087 .11440	147106 .35729						321	SAO 2 Star Catalog	80032 .31196	80074 .24001	80076 .44803			0.5	1.1		80052 .10857	80059 .72896	80095 .16247			322	SAO 2 Star Catalog	80032 .31891	80074 .23992	80076 .44117			0.6	0.1		80052 .11376	80059 .73052	80095 .15572			323	SAO 2 Star Catalog	98190 .10388	98205 .12442	98207 .77170			1.5	0.7		98172 .28549	98205 .41168	98234 .30283			324	SAO 2 Star Catalog	98190 .12461	98205 .12941	98207 .74598			0.9	0.1		98172 .29287	98205 .40994	98234 .29719			325	SAO 2 Star Catalog	99481 .22916	99506 .53430	99510 .23654			0.2	0.3	b	99484 .25830	99503 .50160	99517 .24010			326	SAO 2 Star Catalog	99481 .23225	99506 .53279	99510 .23496			0.5	0.2	b	99484 .25975	99503 .50359	99517 .23666			327	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .42775	97245 .17514	97275 .39711			0.6	1.7		884 .46685	97245 .36319	97289 .16996			328	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .43352	97245 .17518	97275 .39130			0.4	1.7		884 .46898	97245 .37134	97289 .15968			329	SAO 2 Star Catalog	97182 .43772	97245 .17448	97275 .38780			0.6	1.1		884 .47066	97245 .37636	97289 .15298			330	SAO 2 Star Catalog	97130 .49227	97162 .24392	97182 .26381			0.1	0.1	g	97130 .55583	97166 .11493	97183 .32924			331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																							
319	SAO 3 Star Catalog	147056 .52666	147087 .10600	147106 .36734			0.9	0.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		147056 .57454	147060 .12550	147132 .29996						320	SAO 3 Star Catalog	147056 .52831	147087 .11440	147106 .35729						321	SAO 2 Star Catalog	80032 .31196	80074 .24001	80076 .44803			0.5	1.1		80052 .10857	80059 .72896	80095 .16247			322	SAO 2 Star Catalog	80032 .31891	80074 .23992	80076 .44117			0.6	0.1		80052 .11376	80059 .73052	80095 .15572			323	SAO 2 Star Catalog	98190 .10388	98205 .12442	98207 .77170			1.5	0.7		98172 .28549	98205 .41168	98234 .30283			324	SAO 2 Star Catalog	98190 .12461	98205 .12941	98207 .74598			0.9	0.1		98172 .29287	98205 .40994	98234 .29719			325	SAO 2 Star Catalog	99481 .22916	99506 .53430	99510 .23654			0.2	0.3	b	99484 .25830	99503 .50160	99517 .24010			326	SAO 2 Star Catalog	99481 .23225	99506 .53279	99510 .23496			0.5	0.2	b	99484 .25975	99503 .50359	99517 .23666			327	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .42775	97245 .17514	97275 .39711			0.6	1.7		884 .46685	97245 .36319	97289 .16996			328	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .43352	97245 .17518	97275 .39130			0.4	1.7		884 .46898	97245 .37134	97289 .15968			329	SAO 2 Star Catalog	97182 .43772	97245 .17448	97275 .38780			0.6	1.1		884 .47066	97245 .37636	97289 .15298			330	SAO 2 Star Catalog	97130 .49227	97162 .24392	97182 .26381			0.1	0.1	g	97130 .55583	97166 .11493	97183 .32924			331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																						
320	SAO 3 Star Catalog	147056 .52831	147087 .11440	147106 .35729																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
321	SAO 2 Star Catalog	80032 .31196	80074 .24001	80076 .44803			0.5	1.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		80052 .10857	80059 .72896	80095 .16247						322	SAO 2 Star Catalog	80032 .31891	80074 .23992	80076 .44117			0.6	0.1		80052 .11376	80059 .73052	80095 .15572			323	SAO 2 Star Catalog	98190 .10388	98205 .12442	98207 .77170			1.5	0.7		98172 .28549	98205 .41168	98234 .30283			324	SAO 2 Star Catalog	98190 .12461	98205 .12941	98207 .74598			0.9	0.1		98172 .29287	98205 .40994	98234 .29719			325	SAO 2 Star Catalog	99481 .22916	99506 .53430	99510 .23654			0.2	0.3	b	99484 .25830	99503 .50160	99517 .24010			326	SAO 2 Star Catalog	99481 .23225	99506 .53279	99510 .23496			0.5	0.2	b	99484 .25975	99503 .50359	99517 .23666			327	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .42775	97245 .17514	97275 .39711			0.6	1.7		884 .46685	97245 .36319	97289 .16996			328	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .43352	97245 .17518	97275 .39130			0.4	1.7		884 .46898	97245 .37134	97289 .15968			329	SAO 2 Star Catalog	97182 .43772	97245 .17448	97275 .38780			0.6	1.1		884 .47066	97245 .37636	97289 .15298			330	SAO 2 Star Catalog	97130 .49227	97162 .24392	97182 .26381			0.1	0.1	g	97130 .55583	97166 .11493	97183 .32924			331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																															
322	SAO 2 Star Catalog	80032 .31891	80074 .23992	80076 .44117			0.6	0.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		80052 .11376	80059 .73052	80095 .15572						323	SAO 2 Star Catalog	98190 .10388	98205 .12442	98207 .77170			1.5	0.7		98172 .28549	98205 .41168	98234 .30283			324	SAO 2 Star Catalog	98190 .12461	98205 .12941	98207 .74598			0.9	0.1		98172 .29287	98205 .40994	98234 .29719			325	SAO 2 Star Catalog	99481 .22916	99506 .53430	99510 .23654			0.2	0.3	b	99484 .25830	99503 .50160	99517 .24010			326	SAO 2 Star Catalog	99481 .23225	99506 .53279	99510 .23496			0.5	0.2	b	99484 .25975	99503 .50359	99517 .23666			327	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .42775	97245 .17514	97275 .39711			0.6	1.7		884 .46685	97245 .36319	97289 .16996			328	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .43352	97245 .17518	97275 .39130			0.4	1.7		884 .46898	97245 .37134	97289 .15968			329	SAO 2 Star Catalog	97182 .43772	97245 .17448	97275 .38780			0.6	1.1		884 .47066	97245 .37636	97289 .15298			330	SAO 2 Star Catalog	97130 .49227	97162 .24392	97182 .26381			0.1	0.1	g	97130 .55583	97166 .11493	97183 .32924			331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																														
323	SAO 2 Star Catalog	98190 .10388	98205 .12442	98207 .77170			1.5	0.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		98172 .28549	98205 .41168	98234 .30283						324	SAO 2 Star Catalog	98190 .12461	98205 .12941	98207 .74598			0.9	0.1		98172 .29287	98205 .40994	98234 .29719			325	SAO 2 Star Catalog	99481 .22916	99506 .53430	99510 .23654			0.2	0.3	b	99484 .25830	99503 .50160	99517 .24010			326	SAO 2 Star Catalog	99481 .23225	99506 .53279	99510 .23496			0.5	0.2	b	99484 .25975	99503 .50359	99517 .23666			327	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .42775	97245 .17514	97275 .39711			0.6	1.7		884 .46685	97245 .36319	97289 .16996			328	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .43352	97245 .17518	97275 .39130			0.4	1.7		884 .46898	97245 .37134	97289 .15968			329	SAO 2 Star Catalog	97182 .43772	97245 .17448	97275 .38780			0.6	1.1		884 .47066	97245 .37636	97289 .15298			330	SAO 2 Star Catalog	97130 .49227	97162 .24392	97182 .26381			0.1	0.1	g	97130 .55583	97166 .11493	97183 .32924			331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																													
324	SAO 2 Star Catalog	98190 .12461	98205 .12941	98207 .74598			0.9	0.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		98172 .29287	98205 .40994	98234 .29719						325	SAO 2 Star Catalog	99481 .22916	99506 .53430	99510 .23654			0.2	0.3	b	99484 .25830	99503 .50160	99517 .24010			326	SAO 2 Star Catalog	99481 .23225	99506 .53279	99510 .23496			0.5	0.2	b	99484 .25975	99503 .50359	99517 .23666			327	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .42775	97245 .17514	97275 .39711			0.6	1.7		884 .46685	97245 .36319	97289 .16996			328	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .43352	97245 .17518	97275 .39130			0.4	1.7		884 .46898	97245 .37134	97289 .15968			329	SAO 2 Star Catalog	97182 .43772	97245 .17448	97275 .38780			0.6	1.1		884 .47066	97245 .37636	97289 .15298			330	SAO 2 Star Catalog	97130 .49227	97162 .24392	97182 .26381			0.1	0.1	g	97130 .55583	97166 .11493	97183 .32924			331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																												
325	SAO 2 Star Catalog	99481 .22916	99506 .53430	99510 .23654			0.2	0.3	b																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		99484 .25830	99503 .50160	99517 .24010						326	SAO 2 Star Catalog	99481 .23225	99506 .53279	99510 .23496			0.5	0.2	b	99484 .25975	99503 .50359	99517 .23666			327	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .42775	97245 .17514	97275 .39711			0.6	1.7		884 .46685	97245 .36319	97289 .16996			328	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .43352	97245 .17518	97275 .39130			0.4	1.7		884 .46898	97245 .37134	97289 .15968			329	SAO 2 Star Catalog	97182 .43772	97245 .17448	97275 .38780			0.6	1.1		884 .47066	97245 .37636	97289 .15298			330	SAO 2 Star Catalog	97130 .49227	97162 .24392	97182 .26381			0.1	0.1	g	97130 .55583	97166 .11493	97183 .32924			331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																											
326	SAO 2 Star Catalog	99481 .23225	99506 .53279	99510 .23496			0.5	0.2	b																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		99484 .25975	99503 .50359	99517 .23666						327	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .42775	97245 .17514	97275 .39711			0.6	1.7		884 .46685	97245 .36319	97289 .16996			328	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .43352	97245 .17518	97275 .39130			0.4	1.7		884 .46898	97245 .37134	97289 .15968			329	SAO 2 Star Catalog	97182 .43772	97245 .17448	97275 .38780			0.6	1.1		884 .47066	97245 .37636	97289 .15298			330	SAO 2 Star Catalog	97130 .49227	97162 .24392	97182 .26381			0.1	0.1	g	97130 .55583	97166 .11493	97183 .32924			331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																																										
327	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .42775	97245 .17514	97275 .39711			0.6	1.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		884 .46685	97245 .36319	97289 .16996						328	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .43352	97245 .17518	97275 .39130			0.4	1.7		884 .46898	97245 .37134	97289 .15968			329	SAO 2 Star Catalog	97182 .43772	97245 .17448	97275 .38780			0.6	1.1		884 .47066	97245 .37636	97289 .15298			330	SAO 2 Star Catalog	97130 .49227	97162 .24392	97182 .26381			0.1	0.1	g	97130 .55583	97166 .11493	97183 .32924			331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																																																									
328	SAO 2 Star Catalog AGK2 10, +20 ^o	97182 .43352	97245 .17518	97275 .39130			0.4	1.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		884 .46898	97245 .37134	97289 .15968						329	SAO 2 Star Catalog	97182 .43772	97245 .17448	97275 .38780			0.6	1.1		884 .47066	97245 .37636	97289 .15298			330	SAO 2 Star Catalog	97130 .49227	97162 .24392	97182 .26381			0.1	0.1	g	97130 .55583	97166 .11493	97183 .32924			331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																																																																								
329	SAO 2 Star Catalog	97182 .43772	97245 .17448	97275 .38780			0.6	1.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		884 .47066	97245 .37636	97289 .15298						330	SAO 2 Star Catalog	97130 .49227	97162 .24392	97182 .26381			0.1	0.1	g	97130 .55583	97166 .11493	97183 .32924			331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																																																																																							
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		97130 .55583	97166 .11493	97183 .32924						331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g	97130 .56491	97166 .12272	97183 .31237			332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																																																																																																						
331	SAO 2 Star Catalog	97130 .50367	97162 .24494	97182 .25139			0.3	0.1	g																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		97130 .56491	97166 .12272	97183 .31237						332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4		79219 .08490	79240 .42126	79279 .49384			333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																																																																																																																					
332	SAO 2 Star Catalog	79201 .15930	79262 .33898	79274 .50172			0.2	0.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		79219 .08490	79240 .42126	79279 .49384						333	SAO 2 Star Catalog	79201 .17013	79262 .33181	79274 .49806			0.5	0.4		79219 .08951	79240 .43165	79279 .47884			334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																																																																																																																																				
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		79219 .08951	79240 .43165	79279 .47884						334	SAO 2 Star Catalog	79201 .35862	79262 .20138	79274 .44000			1.1	0.3		79219 .18235	79240 .59480	79279 .22285			335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																																																																																																																																																			
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		79219 .18235	79240 .59480	79279 .22285						335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1		79219 .18618	79240 .60273	79279 .21109			336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																																																																																																																																																																		
335	SAO 2 Star Catalog	79201 .36701	79262 .19579	79274 .43720			0.8	0.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		79219 .18618	79240 .60273	79279 .21109						336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8		96967 .33982	96974 .39763	97011 .26255			337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																																																																																																																																																																																	
336	SAO 2 Star Catalog	96956 .25596	96987 .42242	96994 .32162			0.4	0.8																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		96967 .33982	96974 .39763	97011 .26255						337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7		96967 .34093	96974 .41058	97011 .24849			338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																																																																																																																																																																																																
337	SAO 2 Star Catalog	96956 .26998	96987 .41538	96994 .31464			0.4	1.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		96967 .34093	96974 .41058	97011 .24849						338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b	808 .83503	96974 .02734	97019 .13763			339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																																																																																																																																																																																																															
338	SAO 2 Star Catalog AGK2 12, +14 ^o	96956 .03232	808 .77688	97011 .19080			0.1	0.1	b																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		808 .83503	96974 .02734	97019 .13763						339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4		96883 .24025	96912 .53047	96956 .22928			340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																																																																																																																																																																																																																														
339	SAO 2 Star Catalog	96885 .16854	96917 .30533	96922 .52613			0.6	0.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		96883 .24025	96912 .53047	96956 .22928						340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3		96883 .24243	96912 .53327	96956 .22430			341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																																																																																																																																																																																																																																													
340	SAO 2 Star Catalog	96885 .17512	96917 .30445	96922 .52043			1.3	1.3																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		96883 .24243	96912 .53327	96956 .22430						341	SAO 2 Star Catalog	96885 .17912	96917 .30231	96922 .51857			0.4	1.2		96883 .24212	96912 .53690	96956 .22098			342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																																																																																																																																																																																																																																																												
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		96883 .24212	96912 .53690	96956 .22098						342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g	96883 .24303	96912 .53976	96956 .21721			343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																																																																																																																																																																																																																																																																											
342	SAO 2 Star Catalog	96885 .18363	96917 .30128	96922 .51509			1.0	0.5	g																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		96883 .24303	96912 .53976	96956 .21721						343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g	96883 .24400	96912 .54188	96956 .21412																																																																																																																																																																																																																																																																																																																																																																																																																																																										
343	SAO 2 Star Catalog	96885 .18779	96917 .30042	96922 .51179			0.8	1.0	g																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Continuation Table 2

No.	Catalogue	Star Numbers and Dependences						$\Delta\alpha \cos\delta$	$\Delta\delta$	Note
344	SAO 2 Star Catalog	96885	.19246	96917	.29964	96922	.50790	0.5	0.8	<i>g, b</i>
345	SAO 3 Star Catalog	96883	.24507	96912	.54429	96956	.21064	0.3	0.8	<i>g</i>
346	SAO 3 Star Catalog	146765	.52850	146792	.09499	146804	.37651	0.4	0.4	<i>g</i>
347	SAO 2 Star Catalog	146772	.34601	146776	.24982	146802	.40417	0.2	0.0	
348	SAO 2 Star Catalog	146765	.53298	146792	.09934	146804	.36768	0.9	0.5	
349	SAO 2 Star Catalog	146772	.35689	146776	.24521	146802	.39790	0.3	3.4	<i>f, i</i>
350	SAO 2 Star Catalog	119237	.22888	119272	.43149	119274	.33963	0.1	2.9	<i>g, i</i>
351	SAO 3 Star Catalog	119242	.07203	119262	.41815	119272	.50982	0.7	0.2	
352	SAO 3 Star Catalog	119237	.23597	119272	.42316	119274	.34087	0.3	0.3	
353	SAO 3 Star Catalog	119242	.07890	119262	.42537	119272	.49573	0.5	0.0	<i>b</i>
354	SAO 3 Star Catalog	76880	.75238	76904	.13723	76906	.11039	1.2	0.0	
355	SAO 3 Star Catalog	76857	.39278	76895	.29345	76918	.31377	0.6	0.3	
356	SAO 3 Star Catalog	76880	.77905	76904	.12210	76906	.09885	0.0	0.3	<i>b</i>
357	SAO 3 Star Catalog	76857	.40407	76895	.28903	76918	.30690	0.7	0.2	
358	SAO 3 Star Catalog	146682	.16707	146698	.47004	146711	.36289	0.3	0.1	
359	SAO 3 Star Catalog	146691	.19199	146698	.17276	146705	.63525	1.2	0.7	
360	SAO 3 Star Catalog	146682	.17409	146698	.46947	146711	.35644	0.6	0.7	
361	SAO 3 Star Catalog	146691	.20035	146698	.18293	146705	.61672	0.1	1.1	
362	SAO 3 Star Catalog	146423	.21995	146425	.33402	146487	.44603	0.5	0.5	
363	SAO 3 Star Catalog	146403	.05824	146453	.30363	146455	.63813	0.0	0.6	
364	SAO 3 Star Catalog	146423	.22072	146425	.34176	146487	.43752	0.3	0.2	
365	SAO 3 Star Catalog	146403	.06773	146453	.30664	146455	.62563	0.0	0.2	
366	SAO 3 Star Catalog	146423	.22113	146425	.37362	146452	.40525	0.3	0.7	
367	SAO 3 Star Catalog	146403	.14092	146437	.65956	146455	.19952	0.1	0.7	
368	SAO 3 Star Catalog	146423	.22389	146425	.41973	146452	.35638	0.5	0.7	
369	SAO 3 Star Catalog	146403	.16120	146437	.67357	146455	.16523	0.0	0.2	
370	SAO 3 Star Catalog	146334	.27460	146338	.40549	146372	.31991	0.7	0.2	
371	SAO 3 Star Catalog	146338	.09517	146343	.57482	146363	.33001	0.3	0.1	
372	SAO 3 Star Catalog	146334	.27836	146338	.40736	146372	.31428	0.0	0.6	
373	SAO 3 Star Catalog	146338	.10233	146343	.57561	146363	.32200	0.3	0.2	
374	SAO 3 Star Catalog	146334	.35084	146338	.45700	146372	.19216	0.0	0.6	
375	SAO 3 Star Catalog	146338	.26188	146343	.58326	146363	.15486	0.3	0.2	
376	SAO 3 Star Catalog	146334	.35762	146338	.46206	146372	.18032	0.0	0.6	
377	SAO 3 Star Catalog	146338	.27771	146343	.58389	146363	.13840	0.3	0.7	
378	SAO 3 Star Catalog	146334	.36009	146338	.46318	146372	.17673	0.6	0.5	
379	SAO 3 Star Catalog	146338	.28191	146343	.58471	146363	.13338	0.6	0.5	
380	SAO 3 Star Catalog	146318	.18062	146336	.43972	146338	.37966	0.0	0.6	
381	SAO 3 Star Catalog	146313	.14021	146334	.42866	146338	.43113	0.0	0.6	
382	SAO 3 Star Catalog	146318	.19372	146336	.42665	146338	.37963	0.3	0.2	
383	SAO 3 Star Catalog	146313	.15228	146334	.42574	146338	.42198	0.3	0.2	
384	SAO 3 Star Catalog	146280	.10475	146316	.58001	146318	.31524	0.3	0.7	
385	SAO 3 Star Catalog	146286	.24745	146297	.23649	146338	.51606	0.3	0.7	
386	SAO 3 Star Catalog	146280	.11268	146316	.58690	146318	.30042	0.1	1.1	
387	SAO 2 Star Catalog	146286	.25350	146297	.23591	146338	.51059	0.1	1.1	
388	SAO 2 Star Catalog	108716	.73238	108730	.12416	108783	.14346	0.5	0.7	
389	SAO 2 Star Catalog	108708	.64796	108764	.26689	108783	.08515	0.5	0.7	
390	SAO 2 Star Catalog	108716	.74679	108730	.11234	108783	.14087	0.5	0.4	
391	SAO 2 Star Catalog	108708	.65475	108764	.25787	108783	.08738	0.5	0.4	
392	SAO 2 Star Catalog	119407	.30139	119439	.31981	119458	.37880	0.6	0.1	
393	SAO 2 Star Catalog	119397	.20146	119417	.19168	119458	.60686	0.6	0.1	
394	SAO 2 Star Catalog	119407	.31449	119439	.31847	119458	.36704	0.7	0.2	
395	SAO 2 Star Catalog	119397	.21494	119417	.18770	119458	.59736	0.7	0.2	
396	AGK2 11, +15°	1254	.40264	1256	.35036	1275	.24700	2.6	0.5	<i>c, d</i>
397	AGK2 12, +14°									
398	Yale 19	4452	.24669	1274	.22698	1256	.52633			
399	AGK2 11, +15°	1254	.41230	1256	.34146	1275	.24624	2.5	0.9	
400	AGK2 12, +14°									
401	Yale 19	4452	.25383	1274	.22726	1256	.51891			
402	SAO 2 Star Catalog	99863	.35502	99883	.20222	99888	.44276	1.8	1.9	
403	AGK2 +14°	1251	.50517	99876	.27797	1254	.21686	1.8	1.9	
404	SAO 2 Star Catalog	99863	.37159	99883	.19638	99888	.43203	1.8	2.2	
405	AGK2 +14°	1251	.50375	99876	.29723	1254	.19902	1.8	2.2	

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences				$\Delta\alpha \cos \delta$	$\Delta\delta$	Note
374	SAO 3 Star Catalog	145604 .24939	145645 .44050	145661 .31011	0.3	1.7	<i>b, f</i>	
		145591 .40583	145662 .19633	145678 .39784				
375	SAO 3 Star Catalog	145604 .26026	145645 .43829	145661 .30145	0.0	1.8	<i>g, f</i>	
		145591 .41086	145662 .20493	145678 .38421				
376	SAO 3 Star Catalog	145496 .16488	145508 .59025	145545 .24487	0.3	0.9	<i>j</i>	
		145496 .42463	145510 .32985	145554 .24552				
377	SAO 3 Star Catalog	145496 .16066	145508 .59754	145545 .24180	0.7	0.3	<i>g, j</i>	
		145496 .42311	145510 .33322	145554 .24345				
378	SAO 3 Star Catalog	145464 .27515	145481 .28542	145522 .43943	0.9	0.3	<i>g</i>	
		145464 .27122	145508 .33854	145511 .39024				
379	SAO 3 Star Catalog	145464 .27220	145481 .29452	145522 .43328	0.7	0.3	<i>g</i>	
		145464 .27691	145508 .32655	145511 .39654				
380	SAO 3 Star Catalog	145441 .16368	145456 .52052	145507 .31580	1.3	0.1		
		145415 .16614	145481 .72387	145492 .10998				
381	SAO 3 Star Catalog	145441 .17595	145456 .51194	145507 .31211	1.0	0.7	<i>g</i>	
		145415 .17239	145481 .71206	145492 .11555				
382	SAO 3 Star Catalog	145441 .31031	145456 .40998	145507 .27971	1.0	0.6		
		145415 .23639	145481 .57718	145492 .18643				
383	SAO 3 Star Catalog	145441 .31872	145456 .40385	145507 .27743	1.1	0.9		
		145415 .24049	145481 .56894	145492 .19057				
384	SAO 3 Star Catalog	145441 .73215	145456 .07073	145507 .19712	0.4	0.1		
		145415 .42764	145481 .14504	145492 .42732				
385	SAO 3 Star Catalog	145441 .74223	145456 .06267	145507 .19510	2.0	1.2		
		145415 .43189	145481 .13509	145492 .43302				
386	SAO 3 Star Catalog	145441 .74838	145456 .05736	145507 .19426	0.4	1.7		
		145415 .43477	145481 .12876	145492 .43647				
387	SAO 3 Star Catalog	145441 .76023	145456 .04667	145492 .19310	1.0	0.1		
		145418 .33798	145456 .27670	145478 .38532				
388	SAO 3 Star Catalog	145441 .76958	145456 .03875	145492 .19167	1.0	0.6		
		145418 .34316	145456 .27019	145478 .38665				
389	SAO 2 Star Catalog	80109 .07516	80114 .90205	80163 .02279	2.0	1.5		
		80078 .33678	80122 .32896	80137 .33426				
390	SAO 2 Star Catalog	80109 .07295	80114 .91114	80163 .01591	2.0	1.6		
		80078 .34417	80122 .32570	80137 .33013				
391	SAO 2 Star Catalog	74681 .28444	74714 .42527	74719 .29029	1.7	1.0	<i>i</i>	
		74692 .55262	74718 .21067	74721 .23671				
392	SAO 2 Star Catalog	74681 .30119	74714 .40602	74719 .29279	1.8	2.0	<i>i</i>	
		74692 .57139	74718 .18323	74721 .24537				
393	SAO 2 Star Catalog	120111 .35691	120117 .35932	120134 .28377	0.4	0.3		
		120098 .22668	120109 .35159	120138 .42173				
394	SAO 2 Star Catalog	120111 .36454	120117 .36459	120134 .27087	0.1	0.2		
		120098 .23389	120109 .35077	120138 .41534				
395	SAO 2 Star Catalog	108674 .60103	108687 .15708	108736 .24189	0.1	0.6	<i>i</i>	
		108668 .41545	108687 .28006	108720 .30449				
396	SAO 2 Star Catalog	108674 .61303	108687 .14527	108736 .24170	0.3	0.2	<i>b, j</i>	
		108668 .42357	108687 .27307	108720 .30336				
397	SAO 2 Star Catalog	127932 .23217	127954 .53501	127996 .23282	1.7	0.8		
		127942 .21517	127959 .34056	127969 .44427				
398	SAO 2 Star Catalog	127932 .23151	127954 .54267	127996 .22582	1.4	0.2		
		127942 .22849	127959 .33957	127969 .43194				
399	SAO 2 Star Catalog	74660 .07794	74697 .68248	74698 .23958	0.0	1.4		
		74657 .35651	74701 .29076	74730 .35273				
400	SAO 2 Star Catalog	74660 .09342	74697 .66361	74698 .24297	0.4	0.5		
		74657 .36446	74701 .29104	74730 .34450				
401	SAO 2 Star Catalog	99916 .63157	119192 .25486	99939 .11357	0.3	0.0		
		99913 .46385	119192 .44256	99946 .09359				
402	SAO 2 Star Catalog	99916 .64408	119192 .24942	99939 .10650	0.1	0.9		
		99913 .47114	119192 .44099	99946 .08787				
403	SAO 2 Star Catalog	99462 .31146	99464 .35202	99466 .33652	0.1	0.9	<i>g</i>	
		99439 .15345	99464 .71056	99472 .13599				
404	SAO 2 Star Catalog	99462 .33017	99464 .34795	99466 .32188	0.1	1.1	<i>g</i>	
		99439 .16020	99464 .70532	99472 .13448				

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences				$\Delta\alpha \cos\delta$	$\Delta\delta$	Note
405	SAO 2 Star Catalog	76138 .51682	76166 .26647	76214 .21671		0".3	0".9	<i>b</i>
406	SAO 2 Star Catalog	76134 .27036	76154 .38495	76195 .34469		0.3	1.6	<i>b, j</i>
		76138 .53969	76166 .26109	76214 .19922				
407	SAO 2 Star Catalog	76134 .29945	76154 .37977	76195 .32078		0.0	0.8	
		94350 .20923	94361 .66959	94376 .12118				
408	SAO 2 Star Catalog	94348 .41653	94363 .38105	94375 .20242		0.8	0.5	<i>j</i>
		94350 .24175	94361 .64795	94376 .11030				
409	SAO 2 Star Catalog	94348 .44254	94363 .36917	94375 .18829		0.2	0.8	
		79051 .14848	79052 .43393	79101 .41758				
410	SAO 2 Star Catalog	79036 .21302	79084 .57048	79085 .21650		0.1	0.3	
		79051 .17652	79052 .42311	79101 .40037				
411	SAO 2 Star Catalog	79036 .22878	79084 .54630	79085 .22492		1.4	1.3	
		79051 .67231	79052 .21502	79101 .11267				
412	SAO 2 Star Catalog	79036 .48956	79084 .13578	79085 .37466		1.6	1.1	
		79051 .69450	79052 .20602	79101 .09948				
413	SAO 2 Star Catalog	79036 .50144	79084 .11720	79085 .38136		0.2	0.2	<i>j</i>
		93602 .48354	93615 .27810	93630 .23836				
414	SAO 2 Star Catalog	93608 .66133	93615 .27671	93654 .06196		0.6	0.6	
		93602 .51924	93615 .25285	93630 .22791				
415	Yale 25	93608 .66845	93615 .28155	93654 .05000		1.8	1.2	
		3697 .48536	3700 .23921	3721A .27543				
416	Yale 25	3696A .40512	3700 .30589	3720 .28899		1.5	0.2	
		3697 .47661	3700 .26270	3721A .26069				
417	SAO 3 Star Catalog	3696A .39576	3700 .33139	3720 .27285		0.3	0.2	
		147190 .24568	147209 .31439	147223 .43993				
418	SAO 3 Star Catalog	147195 .49036	147209 .05784	147226 .45180		0.2	0.8	
		147190 .25248	147209 .31382	147223 .43370				
419	SAO 2, SAO 3 Star Catalog	147195 .49361	147209 .06240	147226 .44399		0.4	0.3	
		138307 .30685	138346 .61610	119012 .07705				
420	SAO 2, SAO 3	138302 .50091	138362 .33084	119012 .16825		0.1	0.2	
		138307 .32121	138346 .59448	119012 .08431				
421	SAO 2 Star Catalog	138302 .50746	138362 .31926	119012 .17328		1.0	0.1	
		99763 .49119	119050 .15586	99822 .35295				
422	SAO 2 Star Catalog	99761 .09305	119050 .56764	99792 .33931		1.0	0.2	
		99763 .49203	119050 .16558	99822 .34239				
423	SAO 2 Star Catalog	99761 .10434	119050 .56908	99792 .32658		0.2	0.2	<i>b</i>
		128021 .27169	128039 .59075	128063 .13756				
424	SAO 2 Star Catalog	128021 .15630	128027 .28880	128048 .55490		0.6	0.0	
		128021 .27564	128039 .59838	128063 .12598				
425	SAO 3 Star Catalog	128021 .15222	128027 .31052	128048 .53726		2.1	0.0	
		147087 .86026	147106 .05752	147114 .08222				
426	SAO 3 Star Catalog	147058 .26890	147060 .21207	147119 .51903		2.0	0.2	
		147087 .87231	147106 .04738	147114 .08031				
427	SAO 2 Star Catalog	147058 .27329	147060 .21190	147119 .51481		0.2	0.3	<i>j</i>
		110557 .30056	110581 .38824	110596 .31120				
428	SAO 2 Star Catalog	110557 .29435	110572 .36772	110607 .33793		0.0	0.5	<i>g, j</i>
		110557 .31910	110581 .39042	110596 .29048				
429	Hyderabad I, -17°	110557 .31314	110572 .36397	110607 .32289		0.9	0.1	<i>b</i>
		3065 .36245	3072 -.12314	3059 .76069				
430	Hyderabad I, -17°	3071 .31029	3059 .83639	3075 -.14668		1.0	0.1	
		3065 .38250	3072 -.11520	3059 .73270				
431	Hyderabad I, -17°	3071 .33366	3059 .81395	3075 -.14761		1.4	0.0	<i>b</i>
		3065 .39445	3072 .10622	3059 .71177				
432	Hyderabad I -17°	3071 .34958	3059 .79672	3075 .14630		1.5	0.0	
		3065 .39990	3072 -.10527	3059 .70537				
433	SAO 2 Star Catalog	3071 .35542	3059 .79172	3075 -.14714		0.4	0.2	
		119006 .32794	119018 .33195	119021 .34011				
434	SAO 2 Star Catalog	119006 .35711	119017 .30973	119025 .33316		0.2	0.2	
		119006 .34433	119018 .32045	119021 .33522				
435	SAO 2 Star Catalog	119006 .37286	119017 .29988	119025 .32726		1.3	1.8	
		109215 .14650	109220 .59182	109232 .26168				
		109183 .10301	109221 .61006	109239 .28693				

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences						$\Delta\alpha \cos\delta$	$\Delta\delta$	Note
436	SAO 2 Star Catalog	109215 .13799	109220 .62083	109232 .24118			1.5	1.2		
		109183 .10694	109221 .61472	109239 .27834						
437	SAO 2 Star Catalog AGK2 I3, +9°, I2, +10°	3174 .53712	3222 .32897	3227 .13391			0.9	0.1		
		127984 .64366	108421 .19001	3229 .16633						
438	SAO 2 Star Catalog AGK2 I3, +9°, I2, +10°	3174 .53134	3222 .33987	3227 .12879			0.8	0.4		
		127984 .64828	108421 .18891	3229 .16281						
439	SAO 2 Star Catalog AGK2 I3, +6°	128178 .32882	3191 .29962	128202 .37156			0.1	0.0		
		128174 .23958	3190 .24801	128202 .51241						
440	SAO 2 Star Catalog AGK2 I3, +6°	128178 .33097	3191 .30477	128202 .36426			0.3	0.2		
		128174 .24079	3190 .25258	128202 .50663						
441	SAO 2 Star Catalog AGK2 I3, +6°	128152 .44605	128167 .25094	3190 .30301			0.2	0.5		
		128143 .11779	128167 .61290	128171 .26931						
442	SAO 2 Star Catalog AGK2 I3, +6°	128152 .45382	128167 .24413	3190 .30205			0.1	3.6	j	
		128143 .12462	128167 .60536	128171 .27002						
443	SAO 2 Star Catalog	78008 .31140	78017 .35844	78065 .33016			0.3	0.5		
		77978 .49466	78060 .24802	78085 .25732						
444	SAO 2 Star Catalog	78008 .32673	78017 .35178	78065 .32149			0.5	0.6		
		77978 .50155	78060 .24437	78085 .25408						
445	SAO 2 Star Catalog AGK2 +0°	123809 .20483	123810 .46141	2242 .33376			0.0	1.6	b	
		2234 .25179	123810 .41013	2243 .33808						
446	SAO 2 Star Catalog AGK2 +0°	123809 .28870	123810 .40706	2242 .30424			0.0	1.8	b	
		2234 .28969	123810 .37272	2243 .33759						
447	SAO 2 Star Catalog	127972 .69679	127992 .14076	128015 .16245			0.1	0.3		
		127968 .21817	127972 .58370	128026 .19813						
448	SAO 2 Star Catalog	127972 .70564	127992 .13551	128015 .15885			0.3	0.2		
		127968 .21080	127972 .59642	128026 .19278						
449	SAO 2 Star Catalog	80148 1.99676	80156-2.58346	80197 1.58670			2.9	1.8	f, i	
		80140 .20598	80175 -.70108	80197 1.49510						
450	SAO 2 Star Catalog	80148 2.00425	80156-2.58553	80197 1.58128			5.3	3.2	f, i	
		80140 .21264	80175 -.70344	80197 1.49080						
451	SAO 2 Star Catalog	98972 .19355	99001 .40105	99010 .40540			0.0	0.3	f	
		98973 .31034	99001 .29076	99016 .39890						
452	SAO 2 Star Catalog	98972 .20981	99001 .39690	99010 .39329			0.0	1.2		
		98973 .32566	99001 .28503	99016 .38931						
453	SAO 2, SAO 3 Star Catalog	111402 .22334	111403 .32534	130715 .45132			0.4	0.3		
		111396 .25035	111403 .51524	130732 .23441						
454	SAO 2, SAO 3 Star Catalog	111402 .20830	111403 .37585	130715 .41585			0.1	0.1		
		111396 .23396	111403 .54945	130732 .21659						
455	SAO 2, SAO 3 Star Catalog	111402 .19941	111403 .40741	130715 .39318			0.1	0.2		
		111396 .22486	111403 .56950	130732 .20564						
456	SAO 3 Star Catalog AGK2 -0°	130484 .42178	130487 .06882	130524 .42846			0.6	1.2	b	
		130484 .71905	366 -.14751	130524 .42846						
457	SAO 3 Star Catalog AGK2 -0°	130484 .43939	130487 .06195	130513 .49866			0.5	0.3	b	
		130484 .72991	366 -.15497	130524 .42506						
458	SAO 3 Star Catalog	128928 .23790	128938 .19470	128950 .56740			0.7	0.8	i	
		128931 .41560	128938 .40530	128965 .17910						
459	SAO 3 Star Catalog	128928 .25914	128938 .18712	128950 .55374			0.4	0.6		
		128931 .41867	128938 .41530	128965 .16603						
450	SAO 2 Star Catalog	93725 .49430	93739 .46144	93744 .04426			0.8	0.4		
		93726 .47412	93726 .47412	93745 -.02501						
461	SAO 2 Star Catalog	93725 .52248	93739 .46301	93744 .01451			0.3	0.1	g	
		93726 .49806	93739 .55375	93745 -.05181						
462	SAO 2 Star Catalog	127828 .27190	127840 .45066	127867 .27744			1.1	0.2		
		127833 .45259	127842 .31285	127867 .23456						
463	SAO 2 Star Catalog	127828 .28070	127840 .44551	127867 .27379			1.1	0.7		
		127833 .45063	127842 .32237	127867 .22700						
464	SAO 3 Star Catalog	147201 .36435	147213 .43562	147231 .20003			0.5	0.1		
		147186 .09148	147213 .63262	147218 .27590						
465	SAO 3 Star Catalog	147201 .37368	147213 .42924	147231 .19708			0.5	0.4		
		147186 .09977	147213 .62472	147218 .27551						
466	SAO 2 Star Catalog	99367 .29636	99375 .39894	99400 .30470			0.7	0.1		
		99367 .27588	99374 .48258	99408 .24154						

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences						$\Delta\alpha \cos\delta$	$\Delta\delta$	Note
467	SAO 2 Star Catalog	99367 .29622	99375 .40459	99400 .29919			0.0	0.6		
468	SAO 3 Star Catalog	99367 .26140	99374 .50394	99408 .23466			0.1	0.6	<i>g</i>	
469	SAO 3 Star Catalog	145174 .17045	145246 .40346	145260 .42609			0.3	1.0	<i>g</i>	
470	SAO 2 Star Catalog	145175 .08990	145246 .60120	145247 .30890			0.4	0.0	<i>g</i>	
471	SAO 2 Star Catalog	145174 .18287	145246 .36145	145260 .45568			0.2	0.2		
472	SAO 3 Star Catalog	145175 .09683	145246 .57292	145247 .33025			0.1	0.4		
473	SAO 3 Star Catalog	93609 .34026	93643 .26937	93645 .39037			0.2	0.2		
474	SAO 2 Star Catalog	93629 .56661	93639 .23701	93643 .19638			0.4	1.1	<i>f, b</i>	
475	SAO 2 Star Catalog	93609 .35555	93643 .26880	93645 .37565			0.8	0.5	<i>i</i>	
476	SAO 3 Star Catalog	93629 .60942	93639 .21578	93643 .17480			1.0	0.8	<i>i</i>	
477	SAO 3 Star Catalog	146343 .58828	146357 .15690	146372 .25482			1.0	0.5	<i>i</i>	
478	SAO 3 Star Catalog	146334 .33731	146357 .31004	146363 .35265			0.4	1.1	<i>f, b</i>	
479	SAO 3 Star Catalog	146343 .60573	146357 .14469	146372 .24958			0.8	0.6	<i>f, b</i>	
480	SAO 2 Star Catalog	146334 .35479	146357 .29409	146363 .35112			0.1	0.2	<i>f, b</i>	
481	SAO 2 Star Catalog	127963 .22226	127983 .54183	127992 .23591			0.2	0.5	<i>f, b</i>	
482	SAO 2 Star Catalog	127951 .37793	127984 .34129	128015 .28078			0.4	1.1	<i>f, b</i>	
483	SAO 2 Star Catalog	127963 .23305	127983 .54160	127992 .22535			0.8	0.6	<i>f, b</i>	
484	SAO 3 Star Catalog	127951 .38260	127984 .34187	128015 .27553			0.1	0.2	<i>f, b</i>	
485	SAO 3 Star Catalog	142941 .07501	142948 .47373	143004 .45126			0.2	0.5	<i>f, b</i>	
486	SAO 3 Star Catalog	142932 -.10288	142942 .62928	143004 .47360			0.4	1.1	<i>f, b</i>	
487	SAO 3 Star Catalog	142941 .08669	142948 .47530	143004 .43799			0.8	0.6	<i>f, b</i>	
488	SAO 3 Star Catalog	142932 -.09130	142942 .62932	143004 .46198			0.1	0.2	<i>f, b</i>	
489	SAO 3 Star Catalog	142426 .26499	142457 .16763	142504 .56738			0.2	0.5	<i>f, b</i>	
490	SAO 3 Star Catalog	142436 .29418	142447 .16712	142504 .53870			0.4	1.1	<i>f, b</i>	
491	SAO 3 Star Catalog	142426 .27747	142457 .15901	142504 .56352			0.1	0.2	<i>f, b</i>	
492	SAO 3 Star Catalog	142436 .29480	142447 .17486	142504 .53034			0.2	0.5	<i>f, b</i>	
493	SAO 2 Star Catalog	119187 .35393	119209 .34819	119224 .29788			0.4	1.0		
494	SAO 2 Star Catalog	119198 .00406	119209 .09899	119210 .89695			0.2	1.0		
495	SAO 2 Star Catalog	119187 .36719	119209 .33880	119224 .29401			0.4	1.0		
496	SAO 2 Star Catalog	119198 .04299	119209 .08815	119210 .86886			0.2	1.0		
497	SAO 2 Star Catalog	99940 .51049	99952 .11714	99975 .37237			3.7	3.0		
498	SAO 2 Star Catalog	99940 .28597	1166 .74978	1167 -.03575			3.3	2.1		
499	SAO 2 Star Catalog	99940 .53485	99952 .10016	99975 .36499			3.3	2.1		
500	SAO 2 Star Catalog	99940 .30175	1166 .74750	1167 -.04925			3.3	2.1		
501	SAO 3 Star Catalog	128906 .47319	128928 .21930	128932 .30751			0.8	0.3	<i>g, i</i>	
502	SAO 3 Star Catalog	128895 .41941	128932 .39120	128938 .18939			0.8	0.3	<i>g, i</i>	
503	SAO 3 Star Catalog	128906 .48209	128928 .22051	128932 .29740			1.2	0.7	<i>g, i</i>	
504	SAO 3 Star Catalog	128895 .42646	128932 .38478	128938 .18876			1.2	0.7	<i>g, i</i>	
505	SAO 2 Star Catalog	100059 .32167	100068 .36457	100089 .31376			0.4	0.2		
506	SAO 2 Star Catalog	100045 .33752	100073 .14476	100090 .51772			0.4	0.2		
507	SAO 2 Star Catalog	100059 .33399	100068 .37351	100089 .29250			0.0	0.1		
508	SAO 2 Star Catalog	100045 .34649	100073 .15078	100090 .50273			0.0	0.1		
509	SAO 2 Star Catalog	118021 .52412	118025 .19867	118050 .27721			0.2	0.1		
510	SAO 2 Star Catalog	118005 .42847	118040 .30021	118052 .27132			0.2	0.1		
511	SAO 2 Star Catalog	118021 .52036	118025 .21629	118050 .26335			0.6	0.1	<i>g</i>	
512	SAO 2 Star Catalog	118005 .43439	118040 .30625	118052 .25936			0.6	0.1	<i>g</i>	
513	SAO 3 Star Catalog	145945 .08054	145952 .38905	145962 .53041			0.6	0.3	<i>i, g, f</i>	
514	SAO 3 Star Catalog	145927 -.02831	145944 .38297	145962 .64534			0.6	0.3	<i>i, g, f</i>	
515	SAO 3 Star Catalog	145945 .12346	145952 .38597	145962 .49057			0.7	0.2	<i>i, g, f</i>	
516	SAO 3 Star Catalog	145927 -.01006	145944 .38139	145962 .62867			0.7	0.2	<i>i, g, f</i>	
517	SAO 2 Star Catalog	79909 .23093	79913 .58466	79953 .18441			0.5	0.0	<i>g</i>	
518	SAO 2 Star Catalog	79889 .36061	79930 .39706	79946 .24233			0.5	0.0	<i>g</i>	
519	SAO 2 Star Catalog	79909 .23552	79913 .58661	79953 .17787			0.0	0.7	<i>g</i>	
520	SAO 2 Star Catalog	79889 .36790	79930 .38765	79946 .24445			0.0	0.7	<i>g</i>	
521	SAO 2 Star Catalog	120598 .35410	120632 .32144	120634 .32446			0.7	0.4	<i>j</i>	
522	SAO 2 Star Catalog	120604 .25667	120625 .47574	120634 .26759			0.7	0.4	<i>j</i>	
523	SAO 2 Star Catalog	120598 .35660	120632 .32300	120634 .32040			0.5	0.1	<i>j, f</i>	
524	SAO 2 Star Catalog	120604 .25867	120625 .47881	120634 .26252			0.5	0.1	<i>j, f</i>	
525	SAO 2 Star Catalog	120598 .36473	120632 .30773	120634 .32754			0.3	0.5		
526	SAO 2 Star Catalog	120604 .27178	120625 .47201	120634 .25621			0.3	0.5		
527	SAO 2 Star Catalog	120598 .36789	120632 .30809	120634 .32402			0.4	0.2	<i>f</i>	
528	SAO 2 Star Catalog	120604 .27486	120625 .47357	120634 .25157			0.4	0.2	<i>f</i>	

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences						$\Delta\alpha \cos\delta$	$\Delta\delta$	Note
498	SAO 2 Star Catalog	119233 .52390	119237 .19657	119251 .27953				0.0	0.6	
		119227 .42479	119238 .37149	119252 .20372						
499	SAO 2 Star Catalog	119233 .54480	119237 .19220	119251 .26300				0.7	0.5	
		119227 .45981	119238 .33832	119252 .20187						
500	SAO 2 Star Catalog	127822 .44136	127825 .21392	127859 .34472				0.9	0.1	
		127813 .18011	127822 .50874	127865 .31116						
501	SAO 2 Star Catalog	127822 .43199	127825 .23041	127859 .33760				0.4	0.4	f
		127813 .18664	127822 .50567	127865 .30769						
502	SAO 2 Star Catalog	119242 .28352	119278 .37889	119297 .33759				0.5	0.4	g
		119261 .49594	119272 .27230	119317 .23176						
503	SAO 2 Star Catalog	119242 .28978	119278 .37527	119297 .33495				0.6	0.6	g
		119261 .49615	119272 .27799	119317 .22586						
504	SAO 2 Star Catalog	2111 .33679	123369 .59139	2251 .07182				0.5	0.6	b
	AGK2 2, +1 ^o , 2, +2 ^o	2239 .30860	123350 .24367	123393 .44773						
505	SAO 2 Star Catalog	2111 .33523	123369 .62688	2251 .03789				0.9	0.7	b
	AGK2 2, +1 ^o , 2, +2 ^o	2239 .31954	123350 .23704	123393 .44342						
506	SAO 3 Star Catalog	146278 .47225	146305 .12608	146308 .41539				0.2	0.4	
		146278 .54430	146289 .02662	146321 .42908						
507	SAO 3 Star Catalog	146278 .47225	146305 .12008	146308 .40767				0.3	0.9	
		146278 .55173	146289 .03101	146321 .41726						
508	SAO 2 Star Catalog	76381 .22201	76382 .48014	76387 .29785				0.3	0.4	g
		76375 .47459	76383 .20807	76390 .31734						
509	SAO 2 Star Catalog	76381 .21753	76382 .57376	76387 .20871				1.7	0.1	j
		76375 .53359	76383 .19228	76390 .27413						
510	SAO 2 Star Catalog	76872 .18842	76878 .26693	76888 .54465				0.5	0.4	f,j
		76871 .35643	76882 .47574	76899 .16783						
511	SAO 2 Star Catalog	76872 .23158	76878 .26580	76888 .50262				0.8	0.5	j
		76871 .39512	76882 .45183	76899 .15305						
512	SAO 2 Star Catalog	109218 .30041	109223 .52062	109225 .17897				1.2	1.5	b
	AGK2	109212 .21493	109213 .48017	50 .30490						
513	SAO 2 Star Catalog	109218 .33969	109223 .50525	109225 .15506				1.3	1.6	b
	AGK2	109212 .22854	109213 .47621	50 .29525						
514	SAO 2 Star Catalog	119612 .73310	119625 .14634	119649 .12056				1.8	5.2	g,b
		119596 .56755	119622 .03132	119649 .40113						
515	SAO 2 Star Catalog	119612 .75524	119625 .12772	119649 .11704				2.7	4.3	g
		119596 .58255	119622 .01431	119649 .40314						
516	SAO 2 Star Catalog	117855 .06155	117873 .39463	117882 .54382				0.5	0.5	
		117848 .25492	117882 .60214	117911 .14294						
517	SAO 2 Star Catalog	117855 .08062	117873 .37403	117882 .54535				0.3	0.3	g
		117848 .26074	117882 .60251	117911 .13675						
518	SAO 2 Star Catalog	110547 .56064	110551 .15640	110571 .28296				1.0	1.4	j
		110541 .56188	110575 .40911	110595 .02901						
519	SAO 2 Star Catalog	110547 .58794	110551 .18109	110571 .23097				0.4	1.2	j
		110541 .58388	110575 .39312	110595 .02300						
520	SAO 2 Star Catalog	120098 .72574	120117 .26161	120138 .01265				0.3	0.1	
		120098 .84749	120125 .07877	120135 .07374						
521	SAO 2 Star Catalog	120098 .73148	120117 .26193	120138 .00659				0.3	0.2	
		120098 .85310	120125 .08068	120135 .06622						
522	SAO 2 Star Catalog	119804 .31388	119812 .29853	119835 .38759				0.3	0.8	g
		119812 .44307	119815 .28244	119834 .27449						
523	SAO 2 Star Catalog	119804 .32954	119812 .28729	119835 .38317				0.5	0.8	g
		119812 .44729	119815 .28810	119834 .26461						
524	SAO 2 Star Catalog	120743 .13647	120747 .74331	120794 .12022				0.3	0.7	b,j
		120730 .49150	120743 .16634	120794 .34216						
525	SAO 2 Star Catalog	120743 .14315	120747 .74616	120794 .11069				0.6	0.1	g
		120730 .49303	120743 .17355	120794 .33342						
526	SAO 2 Star Catalog	120635 .55007	120655 .36443	120669 .08550				1.7	0.6	
		120619 .26626	120655 .57438	120660 .15936						
527	SAO 2 Star Catalog	120635 .56468	120655 .36081	120669 .07451				1.5	0.1	g
		120619 .27783	120655 .56092	120660 .16125						
528	SAO 2 Star Catalog	91283 .28789	91322 .43349	91326 .27862				0.8	1.6	
		91300 .54640	91312 .21520	91342 .23840						

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences				$\Delta\alpha \cos \delta$	$\Delta\delta$	Note
529	SAO 2 Star Catalog	91283 .29979	91322 .42957	91326 .27064	0.1	1.6		
		91300 .55688	91312 .21662	91342 .22650				
530	SAO 3 Star Catalog	145043 .63699	145070 .31224	145073 .05077	1.4	0.7		
		145044 .40532	164086 .28240	145070 .31228				
531	SAO 3 Star Catalog	145043 .64832	145070 .30767	145073 .04401	1.6	0.9		
		145044 .41849	164086 .28198	145070 .29953				
532	SAO 2 Star Catalog	110491 .49408	92922 .19920	110515 .30672	0.5	0.4	<i>j</i>	
		110485 .04748	110492 .49814	110516 .45438				
533	SAO 2 Star Catalog	110491 .51460	92922 .18866	110515 .29674	0.1	1.2	<i>g,j</i>	
		110485 .04571	110492 .51996	110516 .43433				
534	SAO 2 Star Catalog	94425 .58744	94448 .13961	94472 .27295	1.7	0.6		
		94427 .25823	94435 .44558	94460 .29619				
535	SAO 2 Star Catalog	94425 .59741	94448 .13925	94472 .26334	0.4	0.6	<i>j</i>	
		94427 .26610	94435 .45441	94460 .27949				
536	SAO 2 Star Catalog	112691 .18565	112723 .48846	112737 .32589	1.4	0.3		
		112649 .33991	112749 .27764	112762 .38245				
537	SAO 2 Star Catalog	112691 .20936	112723 .47136	112737 .31928	0.1	0.1	<i>j</i>	
		112649 .34763	112749 .28014	112762 .37223				
538	SAO 2 Star Catalog	91060 .17467	108462 .55091	91115 .27442	0.5	0.3		
		91060 .37176	108472 .27503	91120 .35321				
539	SAO 2 Star Catalog	91060 .18780	108462 .54808	91115 .26412	0.1	0.2		
		91060 .38167	108472 .27856	91120 .33977				
540	SAO 2 Star Catalog	127819 .36772	127848 .25113	127850 .38115	10.0	5.8		
		127823 .36160	127829 .27605	127861 .36235				
541	SAO 2 Star Catalog	127819 .37387	127848 .24818	127850 .37795	9.3	5.5		
		127823 .36525	127829 .27774	127861 .35701				
542	SAO 2 Star Catalog	79884 .56235	79913 .19011	79946 .24754	0.5	0.1		
		79884 .07737	79903 .03370	79909 .88893				
543	SAO 2 Star Catalog	79884 .56910	79913 .18955	79946 .24135	0.4	0.8		
		79884 .09589	79903 .02452	79909 .87955				
544	SAO 2 Star Catalog	109111 .70267	109152 .06962	109159 .22771	0.2	0.2	<i>g</i>	
		109098 .50357	109152 .23054	109158 .26589				
545	SAO 2 Star Catalog	109111 .70904	109152 .07580	109159 .21516	0.6	0.3	<i>g</i>	
		109098 .50912	109152 .23793	109158 .25295				
546	SAO 2 Star Catalog	74798 .52559	74801 .15241	74808 .32200	0.5	0.1		
		74780 .51856	74801 .25967	74838 .22177				
547	SAO 2 Star Catalog	74798 .54338	74801 .16273	74808 .29389	0.0	0.3		
		74780 .52868	74801 .25462	74838 .21670				
548	SAO 2 Star Catalog	80930 .34445	80965 .41696	80967 .23859	0.6	0.6	<i>f</i>	
		80919 .33797	80967 .37754	80971 .28449				
549	SAO 2 Star Catalog	80930 .35241	80965 .41787	80967 .22972	0.3	0.7	<i>f</i>	
		80919 .34459	80967 .37111	80971 .28430				
550	SAO 2 Star Catalog	110480 .13576	110506 .41720	110507 .44704	0.1	0.3	<i>g,b,i</i>	
		110486 .12922	110499 .27655	110506 .59423				
551	SAO 2 Star Catalog	110480 .16083	110506 .39155	110507 .44762				
552	SAO 2 Star Catalog	109524 .49404	109527 .32712	109559 .17884	1.0	0.1	<i>b</i>	
		109502 .37773	109516 .15508	109559 .46719				
553	SAO 2 Star Catalog	109524 .46542	109527 .36531	109559 .16927	1.0	0.3		
		109502 .38529	109516 .15023	109559 .46448				
554	SAO 2 Star Catalog	120134 .29164	120138 .42922	120166 .27914	0.0	0.3	<i>g</i>	
		120133 .37136	120135 .24589	120161 .38275				
555	SAO 2 Star Catalog	120134 .29529	120138 .43495	120166 .26976	0.4	0.6	<i>g,b</i>	
		120133 .37535	120135 .25272	120161 .37193				
556	SAO 2 Star Catalog	128068 .47855	128079 .25413	128113 .26732	2.2	0.6		
		128057 .30940	128092 .36469	128098 .32591				
557	SAO 2 Star Catalog	128068 .48790	128079 .24845	128113 .26365	1.8	0.7		
		128057 .31390	128092 .36841	128098 .31769				
558	SAO 2 Star Catalog	128028 .30665	128040 .27565	128073 .41770	0.1	0.1	<i>g</i>	
		128032 .27259	128040 .35438	128075 .37303				
559	SAO 2 Star Catalog	128028 .30703	128040 .30429	128073 .38868	0.3	0.1	<i>g,f</i>	
		128032 .27158	128040 .38388	128075 .34454				

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences						$\Delta\alpha \cos \delta$	$\Delta\delta$	Note
560	SAO 2 Star Catalog	128028	.30140	128040	.46887	128073	.22973	0.3	0.3	g,b,i
		128032	.25958	128040	.55074	128075	.18968			
561	SAO 2 Star Catalog	128028	.30186	128040	.49881	128073	.19933	0.7	0.1	
		128032	.25866	128040	.58155	128075	.15979			
562	SAO 2 Star Catalog	127852	.22850	127855	.63913	127898	.13237	0.1	0.2	
		127831	.42665	127857	.25987	127903	.31348			
563	SAO 2 Star Catalog	127852	.21231	127855	.66560	127898	.12209	0.2	1.4	
		127831	.44205	127857	.24544	127903	.31251			
564	SAO 2 Star Catalog	127831	.52297	127855	.25817	127883	.21886	0.1	0.0	
		127830	.45584	127852	.27420	127883	.26996			
565	SAO 2 Star Catalog	127831	.60760	127855	.13878	127883	.25362	0.5	0.1	
		127830	.48813	127852	.24387	127883	.26800			
566	SAO 3 Star Catalog	146328	.35651	146343	.20659	146357	.43690	0.5	0.1	
		146328	.16983	146336	.44533	146353	.38484			
567	SAO 3 Star Catalog	146328	.35442	146343	.22057	146357	.42501	1.0	0.3	
		146328	.16942	146336	.45377	146353	.37681			
568	SAO 3 Star Catalog	146328	.31188	146343	.54464	146357	.14348	1.4	0.2	
		146328	.16218	146336	.64850	146353	.18932			
569	SAO 3 Star Catalog	146328	.30868	146343	.57527	146357	.11605	1.3	0.1	
		146328	.16246	146336	.66660	146353	.17094			
570	SAO 3 Star Catalog	146328	.30768	146343	.58205	146357	.11027	1.0	0.1	
		146328	.16193	146336	.67094	146353	.16713			
571	SAO 3 Star Catalog	146318	.24615	146336	.40065	146338	.35320	0.1	0.6	
		146313	.19885	146334	.43489	146338	.36626			
572	SAO 3 Star Catalog	146318	.35847	146336	.26449	146338	.37704	0.2	0.5	g
		146313	.30206	146334	.39355	146338	.30439			
573	SAO 3 Star Catalog	146311	.30203	146316	.47773	146356	.22024	0.3	0.8	
		146286	.36694	146335	.19359	146356	.43947			
574	SAO 3 Star Catalog	146311	.31093	146316	.47101	146356	.21806	0.3	1.0	g
		146286	.36620	146335	.20429	146356	.42951			
575	SAO 2 Star Catalog	119321	.68396	119323	.10540	119358	.21064	0.1	0.1	
		119297	.33050	119344	.20513	119347	.46437			
576	SAO 2 Star Catalog	119321	.69655	119323	.10109	119358	.20236	0.3	1.1	
		119297	.33634	119344	.20812	119347	.45554			
577	SAO 2 Star Catalog	98003	.11808	98036	.40769	98052	.47423	1.2	0.3	
		98009	.24444	98031	.45714	98064	.29842			
578	SAO 2 Star Catalog	98003	.12812	98036	.40587	98052	.46602	0.6	0.5	g
		98009	.25179	98031	.45762	98064	.29059			
579	SAO 2 Star Catalog	109380	.19803	109420	.54355	109427	.25842	0.5	0.2	
		109386	.39053	109427	.21947	109439	.39000			
580	SAO 2 Star Catalog	109380	.20885	109420	.54117	109427	.24998	0.1	0.5	
		109386	.40127	109427	.20883	109439	.38990			
581	SAO 3 Star Catalog	128736	.44816	128746	.25522	128770	.29662	1.2	0.1	f
		128720	.33053	128750	.18455	128763	.48492			
582	SAO 3 Star Catalog	128736	.45949	128746	.25344	128770	.28707	0.7	0.3	
		128720	.33560	128750	.19137	128763	.47303			
583	SAO 3 Star Catalog	146454	.32261	146462	.46324	146501	.21415	0.1	1.4	
		146439	.36428	146468	.34627	146501	.28945			
584	SAO 3 Star Catalog	146454	.32390	146462	.47120	146501	.20490	0.7	2.3	
		146439	.36686	146468	.35336	146501	.27978			
585	SAO 2 Star Catalog	128172	.35230	128233	.25495	128234	.39275	0.2	0.3	b
		128172	.39683	128239	.27023	128242	.33294			
586	SAO 2 Star Catalog	128172	.36109	128233	.24650	128234	.39241	0.2	0.0	g,b
		128172	.40480	128239	.27280	128242	.32240			
587	SAO 2 Star Catalog	128172	.45179	128233	.15813	128234	.39008	0.1	0.5	b
		128172	.48686	128239	.30239	128242	.21075			
588	SAO 2 Star Catalog	128172	.46221	128233	.14795	128234	.38984	0.2	0.5	b
		128172	.49629	128239	.30581	128242	.19790			
589	SAO 2 Star Catalog	128016	.08082	128029	.25748	128043	.66170	0.4	0.1	g,b
		127995	.12204	128043	.65740	128046	.22056			
590	SAO 2 Star Catalog	128016	.09076	128029	.25892	128043	.65032	0.5	0.2	g,b
		127995	.12805	128043	.65252	128046	.21943			

Continuation Table 2

No	Catalogue	Star Numbers and Dependences						$\Delta\alpha \cos\delta$	$\Delta\delta$	Note
591	SAO 2 Star Catalog	127963 .24522	127983 .05427	127992 .70051			0.2	0.4		
		127951 .41555	127984 .15298	128015 .43147						
592	SAO 2 Star Catalog	127963 .25529	127983 .04978	127992 .69493			0.4	0.4		
		127951 .41998	127984 .15194	128015 .42808						
593	SAO 2 Star Catalog	127701 .43733	127714 .55552	127730 .00715			0.0	0.0	f,b	
		127701 .43946	127714 .55245	127735 .00809						
594	SAO 2 Star Catalog	127701 .43979	127714 .54873	127730 .01148			0.0	0.0	i	
		127701 .44320	127714 .54380	127735 .01300						
595	SAO 2 Star Catalog AGK2 14, +2°	127701 .60336	127729 -.07852	2881 .47516			0.1	0.1	g,i	
		127701 .53519	2881 .54868	127762 -.08387						
596	SAO 2 Star Catalog AGK 2 14, +2°	127701 .59958	127729 -.06686	2881 .46728			0.2	0.0	g,i	
		127701 .54153	2881 .52994	127762 -.07147						
597	SAO 2 Star Catalog	109517 .46257	109539 .14528	109547 .39215			0.3	0.4	b	
		109517 .23403	109529 .54026	109555 .22571						
598	SAO 2 Star Catalog	109517 .46987	109539 .13721	109547 .39292			0.2	0.5	b	
		109517 .23556	109529 .54673	109555 .21771						
599	SAO 3 Star Catalog	128958 .16303	128975 .19518	128986 .64179			0.3	3.4	g,i	
		128958 .14904	128977 .58092	128996 .27004						
600	SAO 3 Star Catalog	128958 .17848	128975 .18552	128986 .63600			0.6	3.6	i	
		128958 .16027	128977 .57802	128996 .26171						
601	SAO 2 Star Catalog	99487 .27124	99505 .22696	118748 .50180			0.5	0.6	g	
		99494 .56801	118748 .31361	99536 .11838						
602	SAO 2 Star Catalog	99487 .27573	99505 .22461	118748 .49966			0.6	0.5	g	
		99494 .57112	118748 .31332	99536 .11556						
603	SAO 3 Star Catalog	145743 .20628	145787 .59532	145819 .19840			0.2	0.2	g	
		145762 .15439	145787 .70364	145801 .14197						
604	SAO 3 Star Catalog	145743 .21580	145787 .59183	145819 .19237			0.1	0.2	g	
		145762 .16815	145787 .70111	145801 .13074						
605	SAO 3 Star Catalog	145591 .38154	145593 .44088	145618 .17758			0.5	0.7	g,b	
		145587 .29685	145593 .27710	145604 .42605						
606	SAO 3 Star Catalog	145591 .38337	145593 .45613	145618 .16050			0.2	0.8	g,b	
		145587 .30447	145593 .29806	145604 .39747						
607	SAO 3 Star Catalog	145552 .30053	145586 .39276	145593 .30671			0.4	0.9	g	
		145552 .35898	145587 .32490	145596 .31612						
608	SAO 3 Star Catalog	145552 .31314	145586 .37998	145593 .30688			0.0	0.4		
		145552 .37010	145587 .31687	145596 .31303						
609	SAO 3 Star Catalog	145552 .32105	145586 .37568	145593 .30327			0.1	1.0	g	
		145552 .37744	145587 .31304	145596 .30952						
610	SAO 3 Star Catalog	145552 .46418	145586 .25479	145593 .28103			0.2	0.9		
		145552 .50668	145587 .22986	145596 .26346						
611	SAO 3 Star Catalog	145552 .47443	145586 .24562	145593 .27995			0.2	0.5	g,b	
		145552 .51575	145587 .22382	145596 .26043						
612	SAO 2 Star Catalog	74727 .25650	74761 .23116	74764 .51234			0.4	0.3		
		74727 .25464	74762 .38352	74763 .36184						
613	SAO 2 Star Catalog	74727 .26698	74761 .21772	74764 .51530			0.0	0.2		
		74727 .26497	74762 .37443	74763 .36060						
614	SAO 3 Star Catalog	146588 .40354	146601 .59556	146624 .00090			0.2	0.9	i	
		146580 .50550	146588 .12378	146623 .37072						
615	SAO 3 Star Catalog	146588 .42191	146601 .59840	146624 -.02031			0.1	1.1	i	
		146580 .51779	146588 .12946	146623 .35275						
616	SAO 3 Star Catalog	143359 .21070	143391 .31581	143428 .47349			0.6	0.1		
		143388 .42558	143391 .21415	143422 .36027						
617	SAO 3 Star Catalog	143359 .21828	143391 .31860	143428 .46312			1.2	0.2		
		143388 .42520	143391 .23143	143422 .34346						
618	SAO 2 Star Catalog	76423 .19606	76432 .61405	76441 .18989			0.4	0.1		
		76423 .72936	76436 .08611	76463 .18453						
619	SAO 2 Star Catalog	76423 .29055	76432 .55115	76441 .15830			0.4	0.4	b,j	
		76423 .75874	76436 .08273	76463 .15853						
620	SAO 2 Star Catalog	108877 .21167	108897 .15955	108913 .62878			0.3	0.2	b	
		108887 .06053	108896 .45917	108913 .48030						
621	SAO 2 Star Catalog	108877 .21133	108897 .17494	108913 .61373			0.0	0.2	b,j	
		108887 .05474	108896 .48194	108913 .46332						

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences				$\Delta\alpha \cos\delta$	$\Delta\delta$	Note
622	SAO 2 Star Catalog	109283 .28930	109311 .32381	109338 .38689	0.9	0.1		
		109279 .26698	109304 .29194	109343 .44108				
623	SAP 2 Star Catalog	109283 .29993	109311 .32179	109338 .37828	0.7	0.1		
		109279 .27698	109304 .28980	109343 .43322				
624	SAO 2 Star Catalog	79948 .37837	79970 .39352	79997 .22811	0.4	1.0		
		79941 .32242	79964 .41494	79997 .26264				
625	SAO 2 Star Catalog	79948 .38107	79970 .39558	79997 .22335	0.0	0.6		
		79941 .32430	79964 .41776	79997 .25794				
626	SAO 2 Star Catalog	74589 .44366	74612 .12783	74613 .42851	0.0	0.3	<i>g</i>	
		74589 .48099	74597 .22159	74631 .29742				
627	SAO 2 Star Catalog	74589 .46248	74612 .11994	74613 .41758	0.0	0.0	<i>g</i>	
		74589 .50075	74597 .21067	74631 .28858				
628	SAO 2 Star Catalog AGK2 + I ^o	111481 .30571	111484 .19353	402 .50076	0.5	0.5		
		111474 .35061	111506 .24784	402 .40155				
629	SAO 2 Star Catalog AGK2 + I ^o	111481 .32018	111484 .19036	402 .48946				
		111474 .35960	111506 .25061	402 .38979				
630	SAO 2 Star Catalog	111268 .16884	111291 .54478	111293 .28638	0.0	0.6		
		111268 .60881	111306 -.14941	111322 .54060				
631	SAO 2 Star Catalog	111268 .18608	111291 .53272	111293 .28120	0.1	0.8		
		111268 .61671	111306 -.14544	111322 .52873				
632	SAO 2 Star Catalog	127922 .21951	127969 .23745	127970 .54304	0.9	0.1		
		127942 .20910	127950 .06727	127967 .72362				
633	SAO 2 Star Catalog	127922 .22586	127969 .23102	127970 .54312	0.9	0.7		
		127942 .20606	127950 .08767	127967 .70627				
634	SAO 2, SAO 3 Star Catalog	127732 .24176	I46300 .11464	127788 .64360	0.3	0.5	<i>g</i>	
		146290 .20996	127767 .39011	146337 .39993				
635	SAO 2, SAO 3 Star Catalog	127732 .25052	I46300 .12134	127788 .62814	0.3	0.4	<i>g</i>	
		146290 .22361	127767 .38725	146337 .38914				
636	SAO 2, SAO 3 Star Catalog	127732 -.19066	I46300 .18223	127788 2-.00843	1.7	1.1	<i>g</i>	
		146290 -.78337	127767 -.13621	146337 1.91958				
637	SAO 2, SAO 3 Star Catalog	127732 .32838	I46300 .28157	127788 .39005	0.4	0.3	<i>g</i>	
		146290 .45227	127767 .27534	146337 .27239				
638	SAO 2 Star Catalog	109215 .42053	109220 .43273	109232 .14674	0.5	1.6		
		109183 .25847	109221 .38860	109239 .35292				
639	SAO 2 Star Catalog	109215 .41679	109220 .46808	109232 .11513	0.8	1.3		
		109183 .26840	109221 .38870	109239 .34290				
640	SAO 2 Star Catalog	118637 .18710	118669 .37613	118677 .43677	0.9	1.3	<i>g</i>	
		118637 .32650	99463 .29725	118685 .37625				
641	SAO 2 Star Catalog	118637 .19019	118669 .37524	118677 .43457	0.4	1.3		
		118637 .32903	99463 .29635	118685 .37462				
642	SAO 3 Star Catalog	146576 .16585	146594 .65698	146601 .17717	0.4	0.3		
		146573 .34468	146601 .42376	146611 .23156				
643	SAO 3 Star Catalog	146576 .18542	146594 .63560	146601 .17898	0.7	0.6	<i>g</i>	
		146573 .35613	146601 .41867	146611 .22520				
644	SAO 2 Star Catalog	98085 .65196	98088 -.01228	98116 .36032	0.4	0.4	<i>b</i>	
		98085 .38243	98096 .19100	98105 .42657				
645	SAO 2 Star Catalog	98085 .65535	98088 .00035	98116 .34430	0.7	0.1		
		98085 .40523	98096 .19087	98105 .40390				
646	SAO 3 Star Catalog	146497 .40870	146519 .33357	146549 .25773	0.5	0.5	<i>g, b</i>	
		146484 .25191	146507 .39961	146552 .34848				
647	SAO 3 Star Catalog	146497 .40801	146519 .34680	146549 .24519	0.2	0.1		
		146484 .24860	146507 .41147	146552 .33993				
648	SAO 3 Star Catalog	146404 .49011	146410 .23532	146441 .27457	0.5	0.1		
		146404 .48080	146420 .18195	146432 .33725				
649	SAO 3 Star Catalog	146404 .49585	146410 .23036	146441 .27379	0.7	0.2		
		146404 .48567	146420 .17582	146432 .33851				
650	SAO 2 Star Catalog	109489 .33005	109500 .16330	109517 .50665	0.2	0.3		
		109495 .31779	109501 .25369	109517 .42852				
651	SAO 2 Star Catalog	109489 .34507	109500 .15868	109517 .49625	0.1	0.6		
		109495 .32959	109501 .25606	109517 .41435				
652	SAO 2 Star Catalog	109127 .18198	109133 .46302	109153 .35500	0.2	0.6	<i>g</i>	
		109103 .04244	109137 .59925	109143 .35831				

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences				$\Delta\alpha \cos \delta$	$\Delta\delta$	Note
653	SAO 2 Star Catalog	109127 .20375	109133 .45258	109153 .34367	0.3	0.6	<i>g</i>	
654	SAO 2 Star Catalog	109103 .05435	109137 .59946	109143 .34619	0.0	0.2	<i>g</i>	
655	SAO 2 Star Catalog	119935 .18571	119953 .32774	119969 .48655	0.0	0.1	<i>g</i>	
656	SAO 2 Star Catalog	119944 .63136	119975 .11582	119980 .25282	0.0	0.1	<i>g</i>	
657	SAO 2 Star Catalog	119935 .19068	119953 .33970	119969 .46962	0.6	0.1		
658	SAO 1 Star Catalog	119944 .64099	119975 .11022	119980 .24879	0.7	0.7		
659	SAO 1 Star Catalog	78974 .07620	760 .09362	761 .83018	0.1	0.3	<i>a</i>	
660	SAO 1 Star Catalog	78964 .17673	760 .40187	79015 .42140	0.1	0.2	<i>a</i>	
661	SAO 1 Star Catalog	78974 .09619	760 .09177	761 .81204	1.6	0.8	<i>a</i>	
662	SAO 1 Star Catalog	78964 .18987	760 .39579	79015 .41434	1.5	0.9	<i>a</i>	
663	SAO 1 Star Catalog	29050 .27027	29063 .57462	29076 .15511	0.2	0.1	<i>a</i>	
664	SAO 1 Star Catalog	29052 .06431	953 .40562	29076 .53007	0.1	0.3	<i>a</i>	
665	SAO 1 Star Catalog	29050 .27509	29063 .40566	29076 .31925	0.2	0.5		
666	SAO 1 Star Catalog	29052 .09733	953 .32348	29076 .57919	0.2	0.7		
667	SAO 1 Star Catalog	29064 .37658	29103 .23709	29106 .38633	0.2	0.7		
668	SAO 1 Star Catalog	29074 .49604	29106 .21456	29112 .28940	0.2	0.7		
669	SAO 1 Star Catalog	29064 .37067	29103 .15942	29106 .46991	0.2	0.7		
670	SAO 1 Star Catalog	29074 .46157	29106 .35362	29112 .18481	0.2	0.7		
671	SAO 1 Star Catalog	64258 .20057	64279 .37146	64287 .42797	0.1	0.3	<i>a</i>	
672	SAO 1 Star Catalog	64250 .36640	1300 .32541	64297 .30819	0.1	0.3	<i>a</i>	
673	SAO 1 Star Catalog	64258 .21573	64279 .21424	64287 .57003	0.2	0.5		
674	SAO 1 Star Catalog	64250 .35804	1300 .39139	64297 .25057	0.2	0.5		
675	SAO 1 Star Catalog	64258 .22753	64279 .08705	64287 .68542	0.2	0.7		
676	SAO 1 Star Catalog	64250 .35096	1300 .44487	64297 .20417	0.2	0.7		
677	SAO 1 Star Catalog	64258 .23498	64279 .00669	64287 .75833	0.2	0.7		
678	SAO 1 Star Catalog	64250 .34651	1300 .47864	64297 .17485	0.6	0.6		
679	SAO 2 Star Catalog	101238 .25448	83560 .38107	101292 .36445	0.6	0.5		
680	SAO 2 Star Catalog	1390 .24743	101275 .49936	1538 .25321	0.6	0.5		
681	SAO 2 Star Catalog	101238 .27196	83560 .35104	101292 .37700	0.7	0.8	<i>a</i>	
682	SAO 2 Star Catalog	1390 .23737	101275 .53494	1538 .22769	0.7	0.7		
683	SAO 2 Star Catalog	101238 .29193	83560 .31688	101292 .39115	0.7	0.7		
684	SAO 2 Star Catalog	1390 .22624	101275 .57497	1538 .19879	0.7	0.7		
685	SAO 2 Star Catalog	101238 .30641	83560 .29161	101292 .40198	0.3	0.3	<i>a</i>	
686	SAO 2 Star Catalog	1390 .21700	101275 .60569	1538 .17731	0.3	0.4	<i>a</i>	
687	SAO 2 Star Catalog	120769 .25129	120772 .44929	120778 .29942	0.3	0.3	<i>a</i>	
688	SAO 2 Star Catalog	120762 .23742	120772 .48864	120792 .27394	0.3	0.4	<i>a</i>	
689	SAO 2 Star Catalog	120769 .26141	120772 .42973	120778 .30886	0.1	0.3	<i>a</i>	
690	SAO 2 Star Catalog	120762 .24618	120772 .47071	120792 .28311	0.1	0.3	<i>a</i>	
691	SAO 2 Star Catalog	120769 .27916	120772 .39997	120778 .32087	0.1	0.3	<i>a</i>	
692	SAO 2 Star Catalog	120762 .26025	120772 .44401	120792 .29574	0.1	0.3	<i>a</i>	
693	SAO 2 Star Catalog	120769 .28892	120772 .38138	120778 .32970	0.1	0.3	<i>a</i>	
694	SAO 2 Star Catalog	120762 .26861	120772 .42700	120792 .30439	0.6	0.8	<i>a, c</i>	
695	SAO 3 Star Catalog	146647 .54057	146665 .22651	146680 .23292	0.2	0.7	<i>a, c</i>	
696	SAO 3 Star Catalog	146638 .25670	146643 .39345	146697 .34984	0.1	0.3	<i>a</i>	
697	SAO 3 Star Catalog	146647 .53554	146665 .23009	146680 .23437	0.1	0.3	<i>a</i>	
698	SAO 3 Star Catalog	146638 .26897	146643 .37713	146697 .35390	0.1	0.3	<i>a</i>	
699	SAO 3 Star Catalog	144359 .43937	144370 .45737	144377 .10326	0.2	0.4		
700	SAO 3 Star Catalog	144345 .22863	144353 .51588	144417 .25549	0.1	0.0		
701	SAO 3 Star Catalog	144345 .14744	144364 .69132	144406 .16124	0.0	0.2		
702	SAO 3 Star Catalog	144359 .36485	144362 .43952	144395 .19563	0.1	0.3		
703	SAO 3 Star Catalog	144359 .40250	144370 .34197	144377 .25553	0.2	0.0		
704	SAO 3 Star Catalog	144345 .27024	144353 .45088	144417 .27888	0.1	0.2		
705	SAO 3 Star Catalog	144345 .18785	144364 .60207	144406 .21008	0.1	0.1		
706	SAO 3 Star Catalog	144359 .49142	144362 .25844	144395 .25014	0.1	0.1		
707	SAO 3 Star Catalog	144411 .33967	144455 .35515	144514 .30518	0.3	0.4		
708	SAO 3 Star Catalog				0.1	1.2		

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences				$\Delta\alpha \cos \delta$	$\Delta\delta$	Note
679	SAO 3 Star Catalog	144425 .42942	144476 .41144	144502 .15914	0.4	0.8		
					0.1	0.9		
		144403 .28169	144473 .21373	144490 .50458	0.1	0.4		
		144403 .28119	144447 .34082	144501 .37799	0.2	0.5		
		144411 .33998	144455 .34313	144514 .31689	0.1	0.3		
680	SAO 3 Star Catalog				0.2	1.0		
		144425 .42293	144476 .40552	144502 .17155	0.2	0.7		
					0.1	0.7		
		144403 .27187	144473 .22635	144490 .50178	0.1	0.4		
					0.0	0.3		
681	SAO 3 Star Catalog	144403 .26806	144447 .35359	144509 .37835	0.1	0.5	g	
		144411 .34306	144455 .32651	144514 .33043	0.2	0.6		
					0.6	0.9		
		144425 .41807	144476 .39557	144502 .18636	0.2	0.9		
					0.7	0.3		
682	SAO 3 Star Catalog	144403 .26129	144473 .24339	144490 .49532	0.3	0.3	g	
					0.4	0.0		
		144403 .25275	144447 .37019	144509 .37706	0.2	0.5		
		144411 .34341	144455 .31507	144514 .34152	0.2	0.6		
					0.6	0.9		
683	SAO 3 Star Catalog	144502 .41184	144476 .39000	144425 .19816	0.2	0.9		
					0.7	0.3		
		144403 .25195	144473 .25529	144490 .49276	0.3	0.3		
					0.4	0.0		
		144403 .24021	144447 .38230	144509 .37749	0.2	0.5		
684	SAO 3 Star Catalog	144411 .34555	144455 .28998	144514 .36447	0.1	0.6		
					0.6	0.9		
		144425 .40041	144476 .37676	144502 .22283	0.2	0.9		
					0.7	0.3		
		144403 .23315	144473 .28128	144490 .48557	0.3	0.3		
685	SAO 3 Star Catalog				0.4	0.0		
		144403 .21428	144447 .40838	144509 .37734	0.2	0.5		
		144411 .34613	144455 .27889	144514 .37498	0.1	0.5		
					0.6	0.9		
		144425 .39476	144476 .37118	144502 .23406	0.2	0.9		
686	SAO 3 Star Catalog				0.7	0.3		
		144403 .22438	144473 .29280	144490 .48282	0.3	0.3		
					0.4	0.0		
		144403 .20239	144447 .42004	144509 .37757	0.2	0.5		
		144411 .34698	144455 .26607	144514 .38695	0.1	0.5		
687	SAO 2 Star Catalog				0.6	0.9		
		144425 .38852	144476 .36460	144502 .24688	0.2	0.9		
					0.7	0.3		
		144403 .21448	144473 .30610	144490 .47942	0.3	0.3		
					0.4	0.0		
688	SAO 3 Star Catalog	144403 .18886	144447 .43345	144509 .37770	0.2	0.5		
		144411 .34823	144455 .25356	144514 .39821	0.1	0.5		
					0.6	0.9		
		144425 .38312	144476 .35786	144502 .25902	0.2	0.8		
					0.7	0.3		
689	SAO 3 Star Catalog	144403 .20533	144473 .31903	144490 .47564	0.3	0.3		
					0.5	0.0		
		144403 .17614	144447 .44638	144509 .37748	0.2	0.5		
		144411 .34933	144455 .24161	144514 .40906	0.2	0.2		
					0.0	0.9		
690	SAO 2 Star Catalog	144425 .37790	144476 .35134	144502 .27076	0.4	0.4		
					0.2	0.8		
		144403 .19665	144473 .33140	144490 .47195	0.2	0.3		
					0.4	0.5		
		144403 .16393	144447 .45891	144509 .37716	0.2	0.3		
691	SAO 2 Star Catalog	109111 .11065	109152 .71263	109159 .17672	0.3	0.1		
		109098 .07119	109152 .74221	109158 .18660				

Continuation Table 2

No.	Catalogue	Star Numbers and Dependences						$\Delta\alpha \cos \delta$	$\Delta\delta$	Note
688	SAO 2 Star Catalog	109111 .11902	109152 .71892	109159 .16206				μ	μ	
		109098 .07821	109152 .74993	109158 .17185						
689	SAO 2 Star Catalog	128191 .07991	128211 .29770	128233 .62239			1.0	0.1		
		128180 .16195	128230 .22066	128233 .61739						
690	SAO 2 Star Catalog	128191 .08522	128211 .29470	128233 .62008			0.4	0.3		
		128180 .16549	128230 .21916	128233 .61535						
691	SAO 2 Star Catalog	128177 .25028	128191 .40592	128233 .34380			0.1	0.2		
		128163 .44803	128211 .19860	128244 .35337						
692	SAO 2 Star Catalog	128177 .27435	128191 .39403	128233 .33162			0.3	0.7		
		128163 .45897	128211 .19905	128244 .34198						
693	SAO 2 Star Catalog	128177 .41764	128191 .31415	128233 .26821			0.1	0.4		
		128163 .52092	128211 .19478	128244 .28430						
694	SAO 2 Star Catalog	128177 .44589	128191 .29861	128233 .25550			0.2	0.2		
		128163 .53317	128211 .19416	128244 .27267						
695	SAO 2 Star Catalog	128177 .80577	128191 .09031	128233 .10392			0.6	0.9		
		128163 .68685	128211 .17648	128244 .13667						
696	SAO 2 Star Catalog	128177 .81577	128191 .08380	128233 .10043			0.9	0.1		
		128163 .69083	128211 .17569	128244 .13348						
697	SAO 2 Star Catalog	128002 .51772	128013 .29998	128020 .18230			0.6	0.6		
		127999 .46520	128002 .25713	128029 .27767						
698	SAO 2 Star Catalog	128002 .56073	128013 .27795	128020 .16132			0.7	0.6	g	
		127999 .43281	128002 .31545	128029 .25174						
699	SAO 2 Star Catalog	127988 .08546	127999 .01012	128002 .90442			0.8	0.6		
		127960 .16632	127999 .49154	128020 .34214						
700	SAO 2 Star Catalog	127988 .16084	127999 -.06642	128002 .90558			1.0	0.0	g	
		127960 .18165	127999 .48427	128020 .33408						
701	SAO 2 Star Catalog	127961 .47638	127988 .29662	127995 .22700			1.1	0.2		
		127944 .47364	127995 .15405	128002 .37231						
702	SAO 2 Star Catalog	127961 .49414	127988 .27636	127995 .22950			1.2	0.1		
		127944 .48287	127995 .15744	128002 .35969						
703	SAO 2 Star Catalog	127960 .65718	127961 .23433	127995 .10849			0.0	0.3		
		127948 .60063	127944 .17866	128002 .22071						
704	SAO 2 Star Catalog	127960 .77461	127961 .14571	127995 .07968			0.7	0.8		
		127948 .62062	127944 .18292	128002 .19646						
705	SAO 3 Star Catalog	146399 .53198	146414 -.28509	146421 .75311			1.0	2.2		
		146373 .32498	146430 .26913	146443 .40589						
706	SAO 3 Star Catalog	146399 .53501	146414 -.27086	146421 .73585			0.1	2.7		
		146373 .32621	146430 .27229	146443 .40150						
707	SAO 3 Star Catalog	146399 .57628	146414 .04354	146421 .38018			0.1	1.3		
		146373 .35035	146430 .33681	146443 .31284						
708	SAO 3 Star Catalog	146399 .58104	146414 .07152	146421 .34744			0.2	1.0		
		146373 .35279	146430 .34249	146443 .30472						
709	SAO 3 Star Catalog	146399 .58250	146414 .07741	146421 .34009			0.0	1.6		
		146373 .35343	146430 .34386	146443 .30271						
710	SAO 3 Star Catalog	146385 .12437	146399 .64955	146430 .22608			0.0	0.1		
		146399 .67006	146403 .12055	146414 .20939						
711	SAO 3 Star Catalog	146385 .13492	146399 .63505	146430 .23003			0.1	0.3		
		146399 .67392	146403 .12629	146414 .19979						
712	SAO 3 Star Catalog	146385 .27574	146390 .33344	146430 .39082			0.8	0.2		
		146390 .35802	146399 .27976	146413 .36222						
713	SAO 3 Star Catalog	146385 .26735	146390 .34344	146430 .38921			0.3	0.3		
		146390 .36218	146399 .27248	146413 .36534						
714	SAO 3 Star Catalog	128765 .23641	128782 .57063	128829 .19296			0.0	0.6		
		128782 .20409	128793 .23439	128813 .06152						
715	SAO 3 Star Catalog	128765 .24464	128782 .56543	128829 .18993			0.1	0.4		
		128782 .71776	128793 .23158	128813 .05066						
716	SAO 3 Star Catalog	145757 .31521	145806 .35898	145011 .32581			0.0	1.2		
		145785 .29247	145793 .61754	145816 .08999						
717	SAO 3 Star Catalog	145757 .32655	145806 .35454	145011 .31891			0.1	1.2		
		145785 .30253	145793 .63018	145816 .06729						

Remarks to Table 2

- a* – poor atmospheric conditions, unrest
- b* – exposed through a layer of cloud, atmospheric haze
- c* – exposed between clouds
- d* – the moonlight lowered the quality of measurement
- e* – the object low above the horizon
- f* – measurement inaccurate, poor quality of the image of the object and of reference stars
- g* – object very faint, difficult to measure
- h* – the object near the edge of the plate, a lower accuracy of the result
- i* – the object right at the edge of the plate, the selection of reference stars limited
- j* – poor quality of the photographic plate
- k* – a lower accuracy of data about the beginning and end of exposure due to passing clouds.

Table 3

Name	Abbr.	Period	Number of minor planets		Reductions
			observed	measured	
M. Antal	A	1965–1971	408	717	8
Š. Dendis	De	1971	–	–	9
L. Petrik	Pe	1969–1971	309	–	–

Table 4

$\Delta\alpha \cos\delta \leq$	$\Delta\delta \leq$	0 ^o .1	0 ^o .2	0 ^o .4	0 ^o .6	0 ^o .8	0 ^o .8	1 ^o .2	1 ^o .4	1 ^o .6	1 ^o .8	2 ^o .0	2 ^o .0	Σ
0 ^o .1		16	14	22	14	6	11	5	1	1	1	–	3	94
0 ^o .2		21	13	29	10	10	6	5	3	1	–	–	3	101
0 ^o .4		23	21	31	29	19	8	4	4	3	–	–	3	145
0 ^o .6		17	22	22	20	14	11	–	2	1	2	–	4	115
0 ^o .8		10	6	20	13	5	7	2	1	2	1	–	2	69
1 ^o .0		4	14	16	7	9	3	2	–	3	2	–	1	61
1 ^o .2		6	4	7	5	3	2	2	1	1	3	1	–	35
1 ^o .4		4	1	3	3	4	2	2	2	1	1	–	1	24
1 ^o .6		3	2	1	2	1	1	2	2	3	–	1	1	19
1 ^o .8		3	–	3	2	–	2	–	1	–	–	–	2	13
2 ^o .0		2	–	–	1	–	1	1	1	–	–	2	–	8
> 2 ^o .0		3	1	2	1	1	1	1	–	–	2	–	10	22
Σ		112	98	156	107	72	55	26	18	16	12	4	30	706

POZOROVANIA MALÝCH PLANÉTOK V OBSERVATÓRIU NA SKALNATOM PLESE V ROKOCH 1965-1971

M. ANTAL

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Resumé

Malé planétky sa pozorovali v observatóriu na Skalnatom Plese do roku 1955 prevažne len krátkofokálnymi komorami Tessar a Belar $f = 50$ cm a výsledky boli publikované v BAC. Neskôr nebolo sledovanie malých planétoK v pozorovacom programe observatória. V rokoch 1965–1968 sa uskutočnili pozorovania asteroidov len sporadicky a až od roku 1969 sa začali systematickejšie sledovať a určovať ich presné polohy 30 cm $f/5$ astrografom. Výnimku v použití prístroja tvoria len pozorovania v roku 1965. Planétky 38 Leda, 120 Lachesis a 535 Montague sa pozorovali Tessarom 1/4,5 $f = 50$ cm a 564 Duda reflektorom 60 cm $f/5,5$ v Newtonovom systéme. Od roku 1965 do 1971 sa získalo 717 pozícií 234 malých planétoK.

Asteroidy sa fotografovali tak, že určitá oblasť sa exponovala dva razy na rozne platne v 0,5 až 2-hodinovom intervale a malé planétky sa identifikovali na platniach Zeissovým blinkkomparátorom s použitím efemeríd malých planétoK, vydávaných ITA AV SSSR v Leningrade a MPC vydávaného v Cincinnati. Spôsob spracovania fotografických pozorovaní bol obdobný ako v predchádzajúcej práci /Antal 1974/. Použili sme prevažne fotografický materiál značky ORWO, emulzie ZU 1 a ZU 2. Okrem niekoľkých výnimiek sa každá pozícia malej planétky určila z dvoch trojuholníkov referenčných hviezd a rozdiel medzi takto získanými ekvatoreálnymi súradnicami bol kontrolou správnosti výpočtu, ako aj ukazovateľom presnosti meraní referenčných hviezd a asteroidu na platni. Referenčné hviezdy a planétka sa vždy merali niekoľkokrát. Stredná presnosť meraní na platniach bola $\pm 0,0025$ mm, t.j. $\pm 0,3$. Iba v prípadoch, keď sa pozorovanie uskutočnilo za zlých atmosférických podmienok alebo sa planétka nachádzala v blízkosti okraja platne, klesla presnosť meraní v priemere na $\pm 0,007$ mm.

Výsledky pozorovaní sú v tabuľkách 1 a 2. V tabuľke 1 v prvom stĺpci je poradové číslo pozície, v druhom a treťom číslo a názov planétky, ďalej nasleduje stred expozície v U.T., rektascenzia a deklinácia pre ekvinokcium 1950.0, dĺžka expozície v minútach a v poslednej kolónke skratka mena pozorovateľa. Tabuľka 2 obsahuje v prvom stĺpci poradové čísla polôh zhodné s tabuľkou 1, v druhom označenie použitého katalógu, dielu alebo zóny. Ďalej nasledujú čísla hviezd s prislúchajúcimi im dependenciami. V posledných stĺpcoch sú rozdiely medzi pozíciami malej planétky, získané z dvoch nezávislých trojuholníkov $\Delta \alpha \cos \delta$ a $\Delta \delta$ v oblúkových sekundách, a poznámky, ku ktorým sú vysvetlivky za tabuľkou. Tabuľka 3 obsahuje mená spolupracovníkov zúčastnených na pozorovaniach a redukciách polôh. Merania všetkých platní urobil autor. Tabuľka 4 informuje o presnosti meraní 706 pozícií malých planétoK. Každá z nich bola zaradená do príslušného intervalu podľa veľkosti rozdielu $\Delta \alpha \cos \delta$ a $\Delta \delta$ dvoch nezávisle určených ekvatoreálnych súradníc z dvoch trojuholníkov referenčných hviezd. Z tabuľky vyplýva, že asi 75 % polôh má rozdiely v oboch súradniciach menšie ako $1,0$.

Asteroidy označené 1807 Slovakia, 1969 TB a 1971 QB našiel autor z observatória na Skalnatom Plese. Ich pozície sú pod číslami 689 až 717 uvedené v závere tabuľky 1.

НАБЛЮДЕНИЯ МАЛЫХ ПЛАНЕТ НА ОБСЕРВАТОРИИ СКАЛНАТЕ ПЛЕСО В 1965–1971 ГГ.

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Резюме

На обсерватории Скалнате Плесо наблюдения астероидов до 1955 г. производились главным образом короткофокусными камерами Тессар и Белар $f = 50$ см (результаты публиковались в Бюлл. астроном. инст. Чехословакии). В последующие годы наблюдения малых планет в обсерватории не производились. В 1965–1968 гг. наблюдения малых планет производились эпизодически. С 1969 г. начались их систематические исследования и определения точных положений с помощью 30 см астрографа светосилой 1/5. Только в 1965 г. наблюдения производились камерой Тессар с фокусным расстоянием 50 см и светосилой 1/4,5 (астероиды но. 38, 120 и 535) а также 60 см астрографом Цейса с фокусным расстоянием 329 см в системе Ньютона (астероид но. 574).

С 1965 г. до 1971 г. было получено 717 положений 234 малых планет. Фотографические наблюдения астероидов производились так, что каждая область фотографировалась дважды в интервале 0,5–2 часа, а астероиды идентифицировались при помощи блинккомпаратора Цейса с использованием эфемерид малых планет, издаваемых в Ленинграде (ИТА АН СССР). Обработка фотографических наблюдений производилась методом, описанным в предыдущей работе "Наблюдения комет в обсерватории Скалнате Плесо в 1964–1971 гг." Были использованы фотографические пластинки фирмы ОРВО – ЗУ 1 и ЗУ 2. Кроме нескольких случаев положения астероидов определялись с помощью двух треугольников опорных звёзд. Различие между полученными таким образом экваториальными координатами было не только контролем правильности вычислений, но и показателем точности измерений опорных звёзд и астероида. Опорные звёзды и малая планета всегда измерялись несколько раз. Средняя точность измерений на пластинках составляла ± 0.0025 мм, т.е. ± 0.3 ". Только в случаях, когда наблюдения производились в плохих атмосферных условиях, или, когда астероид находился вблизи края пластинки, точность измерений уменьшалась до ± 0.007 мм. Результаты наблюдений приведены в таблицах 1 и 2. В первой колонке таб. 1 приводится порядковый номер положения, во второй и третьей – номер и название астероида, затем приводятся – середина экспозиции в МВ, прямое восхождение и склонение отнесённые к 1950.0 – длина экспозиции в минутах, и в последнем столбце указывается наблюдатель. В таб. 2 в первом столбце даются те же порядковые номера положений, что и в таб. 1. В других столбцах приводятся обозначения использованного каталога, номера опорных звёзд и относящиеся к ним зависимости. Далее приводятся разницы между положениями астероида, полученные из двух независимых треугольников ($\Delta \alpha \cos \delta$ и $\Delta \delta$ в секундах дуги) и примечания. Объяснение примечаний дано в конце таблицы. В таб. 3 приведены фамилии наблюдателей и вычислителей. Измерения всех пластинок проведены автором. Таблица 4 содержит информацию о точности 706 положений астероидов. В ней дано число положений, относящихся к соответствующим интервалам $\Delta \alpha \cos \delta$ и $\Delta \delta$ двух независимых определений экваториальных координат. Из таблицы видно, что прилучно 75 % положений имеют разницы в обоих координатах меньшую 1".

Астероиды обозначенные 1807 Slovakia, 1969 ТВ и 1971 QB обнаружены автором в обсерватории Скалнате Плесо. Их положения приведены в конце таб. 1.