

**262 POSITIONS OF ASTEROIDS AND THEIR DEPENDENCES;  
EUROPEAN SOUTHERN OBSERVATORY, LA SILLA, CHILE  
FEBRUARY 10-25, 1985**

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RESUMO

São apresentadas 262 posições de asteroídes obtidas no período de 10 a 25 de fevereiro de 1985, durante a missão de H. Debehogne no Observatório Europeu Austral, La Silla, Chile. O telescópio utilizado foi o GPO (D = 40-cm; F = 4-m). A redução empregou 5 estrelas de referência e foi utilizado o programa computacional "Uccle 5 estrelas" relativo ao método dos mínimos quadrados e ao das dependências. O equinócio é o de 1950. Das 262 posições, 51 correspondem a 3 asteroídes catalogados. As restantes 211, são de 6 asteroídes ainda não catalogados.

ABSTRACT

262 positions of asteroids are presented. These were obtained from February 10 to 25, 1985, during the mission of H. Debehogne at the European Southern Observatory, La Silla, Chile, using the GPO telescope (D = 40-cm; F = 4-m). We have employed 5 reference stars for the reductions, using the "Uccle 5 stars" computational program for the least squares and dependences methods. The equinox is 1950.0. Among the 262 positions, 51 refer to 3 catalogued asteroids, the remainder 211 refer to 6 asteroids not yet catalogued.

*Key words:* ASTEROID – ORBIT

I. INTRODUCTION

We determine 262 positions of asteroids and of two stars, here denoted by 7015 and 7971, which were utilized in other positions determinations for asteroids not included in the present paper. The observation period lasts from February 10 to 25, 1985. Among the 262 positions 51 refer to 3 catalogued asteroids, and the remainder 211 refer to 6 asteroids not yet catalogued.

II. OBSERVATIONAL METHOD

Photometric plates, Kodak Ila0 (16-cm X 16-cm), previously hypersensitized were used, at the GPO telescope (D = 40-cm; F = 4-m) of the European Southern Observatory, La Silla, Chile. Three images with exposures dephased in time and displaced in declination were obtained as a rule, except for plates 8254, 8255, 8256, 8272, 8273 and 8274, which present only two exposures. The exceptional transparency of the sky in La Silla, together with the hypersensitization technique,

has allowed us to attain magnitudes of the order of 18 with exposures of only 8 minutes.

III. REDUCTIONS

After the identification of both the stellar fields (SAO Star Catalogue 1986) and the catalogued asteroids (Ephemeridi Malik Planet 1985), the photographic plates are read out at the Ascorecord coordinatograph, with an estimated precision of one tenth of a micron (0.1  $\mu$ ) for the rectilinear coordinates of the plate – (x,y) pairs. Following the computational "Uccle 5 stars" program, through the least squares and dependences methods, the celestial rectilinear coordinates (standard coordinates) – (X,Y) pairs are obtained, and next, the equatorial coordinates – ( $\alpha,\delta$ ) pairs – are determined (Machado and Debehogne 1979). The equinox is 1950.0, which corresponds to the stellar catalogue used for position and proper motions of the 5 stars selected for reference.

TABLE 1

## POSITIONS

No.	Object	Plate Mon.	Date UT 1985		$\alpha$ (1950)			$\delta$	Residuals		
			Day	h	m	s	o	'	''	m	'
1	808 MERXIA	8010	2 10.105903	10	3	24.879	+07	15	46.76	+ .1	- 1
2	808 MERXIA	8010	2 10.110764	10	3	24.615	+07	15	48.62	+ .1	- 1
3	808 MERXIA	8010	2 10.115625	10	3	24.413	+07	15	50.57	+ .1	- 1
4	808 MERXIA	8125	2 19.091319	9	55	54.869	+08	12	28.82	- .1	0
5	808 MERXIA	8125	2 19.096875	9	55	54.560	+08	12	31.00	- .1	0
6	808 MERXIA	8125	2 19.101736	9	55	54.314	+08	12	33.15	- .1	0
7	808 MERXIA	8143	2 20.086805	9	55	4.895	+08	18	58.40	- .1	0
8	808 MERXIA	8143	2 20.090972	9	55	4.698	+08	19	00.33	- .1	0
9	808 MERXIA	8143	2 20.095139	9	55	4.459	+08	19	01.53	- .1	0
10	808 MERXIA	8162	2 21.097222	9	54	14.532	+08	25	32.65	- .1	0
11	808 MERXIA	8162	2 21.102777	9	54	14.268	+08	25	34.79	- .1	0
12	808 MERXIA	8162	2 21.108333	9	54	13.976	+08	25	36.81	- .1	0
13	1405 SIBELIUS	8010	2 10.105903	10	9	48.205	+07	51	30.92	+ .1	- 1
14	1405 SIBELIUS	8010	2 10.110764	10	9	47.838	+07	51	31.15	+ .1	- 1
15	1405 SIBELIUS	8010	2 10.115625	10	9	47.494	+07	51	31.59	+ .1	- 1
16	1405 SIBELIUS	8016	2 11.081250	10	8	43.111	+07	53	35.84	+ .1	- 1
17	1405 SIBELIUS	8016	2 11.086805	10	8	42.752	+07	53	36.33	+ .1	- 1
18	1405 SIBELIUS	8016	2 11.092361	10	8	42.382	+07	53	37.11	+ .1	- 1
19	1405 SIBELIUS	8023	2 12.079861	10	7	35.942	+07	55	47.90	+ .1	0
20	1405 SIBELIUS	8023	2 12.085416	10	7	35.525	+07	55	48.85	+ .1	0
21	1405 SIBELIUS	8023	2 12.090972	10	7	35.113	+07	55	50.10	+ .1	0
22	1405 SIBELIUS	8042	2 14.072222	10	5	20.764	+08	00	26.41	+ .0	0
23	1405 SIBELIUS	8042	2 14.077777	10	5	20.360	+08	00	26.92	+ .0	0
24	1405 SIBELIUS	8042	2 14.083333	10	5	19.975	+08	00	28.00	+ .0	0
25	1405 SIBELIUS	8054	2 15.070486	10	4	12.631	+08	02	50.30	+ .0	0
26	1405 SIBELIUS	8054	2 15.075347	10	4	12.291	+08	02	50.84	+ .0	0
27	1405 SIBELIUS	8054	2 15.080208	10	4	11.943	+08	02	51.71	+ .0	0
28	1405 SIBELIUS	8071	2 16.090972	10	3	2.871	+08	05	21.29	- .0	0
29	1405 SIBELIUS	8071	2 16.096528	10	3	2.510	+08	05	21.87	- .0	0
30	1405 SIBELIUS	8071	2 16.102083	10	3	2.131	+08	05	23.02	- .0	0
31	1405 SIBELIUS	8089	2 17.097222	10	1	53.982	+08	07	52.41	- .0	0
32	1405 SIBELIUS	8089	2 17.102777	10	1	53.602	+08	07	52.86	- .0	0
33	1405 SIBELIUS	8089	2 17.108333	10	1	53.238	+08	07	53.75	- .0	0
34	1405 SIBELIUS	8107	2 18.090625	10	0	46.241	+08	10	23.90	- .0	0
35	1405 SIBELIUS	8107	2 18.095486	10	0	45.932	+08	10	24.00	- .0	0
36	1405 SIBELIUS	8107	2 18.100347	10	0	45.630	+08	10	24.86	- .0	0
37	1405 SIBELIUS	8125	2 19.091319	9	59	38.007	+08	12	58.29	- .1	0
38	1405 SIBELIUS	8125	2 19.096875	9	59	37.655	+08	12	59.44	- .1	0
39	1405 SIBELIUS	8125	2 19.101736	9	59	37.344	+08	13	00.22	- .1	0
40	1405 SIBELIUS	8143	2 20.086805	9	58	30.523	+08	15	32.63	- .1	0
41	1405 SIBELIUS	8143	2 20.090972	9	58	30.223	+08	15	33.45	- .1	0
42	1405 SIBELIUS	8143	2 20.095139	9	58	29.926	+08	15	33.89	- .1	0
43	1405 SIBELIUS	8162	2 21.097222	9	57	22.277	+08	18	12.29	- .1	0
44	1405 SIBELIUS	8162	2 21.102777	9	57	21.890	+08	18	13.05	- .1	0
45	1405 SIBELIUS	8162	2 21.108333	9	57	21.537	+08	18	13.87	- .1	0
46	1405 SIBELIUS	8200	2 24.086805	9	54	3.577	+08	26	02.71	- .0	0
47	1405 SIBELIUS	8200	2 24.090972	9	54	3.285	+08	26	03.57	- .0	0
48	1405 SIBELIUS	8200	2 24.095139	9	54	3.038	+08	26	04.17	- .0	0
49	2694 PINO TORINE	8010	2 10.105903	10	3	18.081	+09	02	46.82	+ .2	- 1
50	2694 PINO TORINE	8010	2 10.110764	10	3	17.719	+09	02	48.50	+ .2	- 1
51	2694 PINO TORINE	8010	2 10.115625	10	3	17.450	+09	02	50.00	+ .2	- 1
52	1985CS1	8010	2 10.105903	10	9	17.594	+07	23	35.67		
53	1985CS1	8010	2 10.110764	10	9	17.336	+07	23	37.53		
54	1985CS1	8010	2 10.115625	10	9	17.062	+07	23	39.23		
55	1985CS1	8016	2 11.081250	10	8	22.970	+07	30	28.44		
56	1985CS1	8016	2 11.086805	10	8	22.660	+07	30	30.61		
57	1985CS1	8016	2 11.092361	10	8	22.352	+07	30	32.78		
58	1985CS1	8023	2 12.079861	10	7	26.132	+07	37	38.81		
59	1985CS1	8023	2 12.085416	10	7	25.818	+07	37	41.17		
60	1985CS1	8023	2 12.090972	10	7	25.503	+07	37	43.57		
61	1985CS1	8042	2 14.072222	10	5	30.532	+07	52	20.05		
62	1985CS1	8042	2 14.077777	10	5	30.211	+07	52	22.53		
63	1985CS1	8042	2 14.083333	10	5	29.873	+07	52	25.00		
64	1985CS1	8054	2 15.070486	10	4	31.565	+07	59	52.14		
65	1985CS1	8054	2 15.075347	10	4	31.241	+07	59	54.24		
66	1985CS1	8054	2 15.080208	10	4	30.954	+07	59	56.52		
67	1985CS1	8071	2 16.090972	10	3	30.693	+08	07	39.65		
68	1985CS1	8071	2 16.096528	10	3	30.348	+08	07	42.35		
69	1985CS1	8071	2 16.102083	10	3	30.009	+08	07	45.04		
70	1985CS1	8089	2 17.097222	10	2	30.231	+08	15	27.33		
71	1985CS1	8089	2 17.102777	10	2	29.898	+08	15	29.55		
72	1985CS1	8089	2 17.108333	10	2	29.549	+08	15	32.08		
73	1985CS1	8107	2 18.090625	10	1	30.269	+08	23	13.62		

## POSITIONS OF ASTEROIDS

TABLE 1 (CONTINUED)

No.	Object	Date UT 1985		$\alpha$ (1950)			$\delta$			Residuals m
		Plate	Mon. Day	h	m	s	°	'	"	
74	1985CS1	8107	2 18.095486	10	1	29.962	+08	23	15.77	
75	1985CS1	8107	2 18.100347	10	1	29.687	+08	23	18.00	
76	1985CS1	8125	2 19.091319	10	0	29.523	+08	31	04.87	
77	1985CS1	8125	2 19.096875	10	0	29.166	+08	31	07.76	
78	1985CS1	8125	2 19.101736	10	0	28.874	+08	31	10.15	
79	1985CS1	8143	2 20.086805	9	59	28.881	+08	38	59.30	
80	1985CS1	8143	2 20.090972	9	59	28.639	+08	39	01.64	
81	1985CS1	8143	2 20.095139	9	59	28.403	+08	39	03.68	
82	1985CS1	8162	2 21.097222	9	58	27.313	+08	47	06.08	
83	1985CS1	8162	2 21.102777	9	58	26.962	+08	47	08.82	
84	1985CS1	8162	2 21.108333	9	58	26.643	+08	47	11.68	
85	1985CS1	8200	2 24.086805	9	55	25.337	+09	11	11.93	
86	1985CS1	8200	2 24.090972	9	55	25.088	+09	11	14.00	
87	1985CS1	8200	2 24.095139	9	55	24.850	+09	11	15.93	
88	1985CS1	8224	2 25.126736	9	54	22.358	+09	19	37.09	
89	1985CS1	8224	2 25.131597	9	54	22.079	+09	19	39.32	
90	1985CS1	8224	2 25.136458	9	54	21.803	+09	19	41.75	
91	1985CS1	8238	2 26.077430	9	53	25.409	+09	27	18.90	
92	1985CS1	8238	2 26.082292	9	53	25.091	+09	27	21.27	
93	1985CS1	8238	2 26.087152	9	53	24.794	+09	27	23.64	
94	1985CS1	8256	2 27.082966	9	52	25.307	+09	35	27.44	
95	1985CS1	8256	2 27.088889	9	52	24.953	+09	35	30.19	
96	1985CS1	8274	2 28.076349	9	51	26.672	+09	43	29.01	
97	1985CS1	8274	2 28.081944	9	51	26.397	+09	43	31.82	
98	1985CU1	8016	2 11.081250	10	12	17.572	+07	49	43.47	
99	1985CU1	8016	2 11.086805	10	12	17.022	+07	49	39.94	
100	1985CU1	8016	2 11.092361	10	12	16.462	+07	49	36.44	
101	1985CU1	8023	2 12.079861	10	10	28.993	+07	39	48.71	
102	1985CU1	8023	2 12.085416	10	10	28.441	+07	39	42.02	
103	1985CU1	8023	2 12.090972	10	10	27.889	+07	39	38.39	
104	1985CU1	8042	2 14.072222	10	7	21.613	+07	20	58.07	
105	1985CU1	8042	2 14.077777	10	7	21.083	+07	20	04.68	
106	1985CU1	8042	2 14.083333	10	7	20.553	+07	20	01.32	
107	1985CU1	8054	2 15.070486	10	5	42.783	+07	10	26.70	
108	1985CU1	8054	2 15.075347	10	5	42.219	+07	10	23.65	
109	1985CU1	8054	2 15.080208	10	5	41.728	+07	10	20.63	
110	1985CU1	8071	2 16.090972	10	4	1.684	+07	00	39.00	
111	1985CU1	8071	2 16.096828	10	4	1.150	+07	00	35.53	
112	1985CU1	8071	2 16.102683	10	4	0.616	+07	00	32.03	
113	1985CU1	8089	2 17.097222	10	2	22.892	+06	51	00.36	
114	1985CU1	8089	2 17.102777	10	2	21.716	+06	51	02.18	
115	1985CU1	8089	2 17.108333	10	2	21.148	+06	50	59.07	
116	1985CU1	8107	2 18.090625	10	0	44.756	+06	41	40.01	
117	1985CU1	8107	2 18.095486	10	0	44.263	+06	41	43.27	
118	1985CU1	8107	2 18.100347	10	0	43.808	+06	41	46.50	
119	1985CU1	8126	2 19.109275	9	59	5.141	+06	32	17.92	
120	1985CU1	8126	2 19.114236	9	59	4.670	+06	32	15.17	
121	1985CU1	8126	2 19.119097	9	59	4.178	+06	32	12.66	
122	1985CU1	8144	2 20.102430	9	57	23.781	+06	23	59.59	
123	1985CU1	8144	2 20.107291	9	57	23.308	+06	23	06.93	
124	1985CU1	8144	2 20.112153	9	57	22.836	+06	23	04.13	
125	1985CU1	8178	2 22.109027	9	54	16.687	+06	05	03.69	
126	1985CU1	8178	2 22.114583	9	54	16.155	+06	05	00.94	
127	1985CU1	8178	2 22.120139	9	54	15.622	+06	04	58.00	
128	1985CU1	8198	2 24.059722	9	51	14.253	+05	47	50.10	
129	1985CU1	8198	2 24.063194	9	51	13.951	+05	47	50.24	
130	1985CU1	8198	2 24.067014	9	51	13.618	+05	47	48.50	
131	1985CU1	8222	2 25.092361	9	49	39.657	+05	38	57.29	
132	1985CU1	8222	2 25.097917	9	49	39.125	+05	38	54.37	
133	1985CU1	8222	2 25.103472	9	49	38.607	+05	38	51.53	
134	1985CU1	8236	2 26.039930	9	48	14.202	+05	30	51.85	
135	1985CU1	8236	2 26.044791	9	48	13.734	+05	30	49.47	
136	1985CU1	8236	2 26.049653	9	48	13.291	+05	30	47.07	
137	1985CU1	8254	2 27.051042	9	46	44.569	+05	22	23.57	
138	1985CU1	8254	2 27.055902	9	46	44.135	+05	22	21.15	
139	1985CU1	8272	2 28.041667	9	45	18.390	+05	14	02.51	
140	1985CU1	8272	2 28.047222	9	45	17.905	+05	14	00.79	
141	1985C21	8023	2 12.079861	10	13	14.582	+06	25	28.66	
142	1985C21	8023	2 12.085416	10	13	14.460	+06	25	27.34	
143	1985C21	8023	2 12.090972	10	13	14.100	+06	25	26.00	
144	1985C21	8042	2 14.072222	10	11	13.822	+06	28	51.30	
145	1985C21	8042	2 14.077777	10	11	13.458	+06	28	50.07	
146	1985C21	8042	2 14.083333	10	11	13.102	+06	28	52.82	
147	1985C21	8054	2 15.070486	10	10	7.970	+06	30	10.30	
148	1985C21	8054	2 15.075347	10	10	7.662	+06	30	12.80	
149	1985C21	8054	2 15.080208	10	10	7.382	+06	30	13.19	
150	1985C21	8071	2 16.090972	10	9	3.405	+06	34	40.50	

TABLE 1 (CONTINUED)

No.	Object	Date UT 1985		$\alpha$ (1950)			$\delta$			Residuals
		Plate.	Mon. Day	h	m	s	o	'	"	m
151	1985CZ1	8071	2 16.096528	10	9	3.029	+06	34	41.17	
152	1985CZ1	8071	2 16.102083	10	9	2.692	+06	34	41.64	
153	1985CZ1	8089	2 17.097222	10	7	59.327	+06	37	11.45	
154	1985CZ1	8089	2 17.102777	10	7	58.958	+06	37	12.42	
155	1985CZ1	8089	2 17.108333	10	7	58.611	+06	37	13.40	
156	1985CZ1	8107	2 18.090625	10	6	56.138	+06	39	43.80	
157	1985CZ1	8107	2 18.095486	10	6	55.831	+06	39	44.48	
158	1985CZ1	8107	2 18.100347	10	6	55.522	+06	39	45.19	
159	1985CZ1	8126	2 19.109375	10	5	51.138	+06	42	23.88	
160	1985CZ1	8126	2 19.114236	10	5	50.839	+06	42	24.90	
161	1985CZ1	8126	2 19.119097	10	5	50.541	+06	42	25.54	
162	1985CZ1	8145	2 20.121181	10	4	46.697	+06	45	07.20	
163	1985CZ1	8145	2 20.126041	10	4	46.386	+06	45	07.67	
164	1985CZ1	8145	2 20.131944	10	4	46.022	+06	45	08.77	
165	1985CZ1	8179	2 22.131250	10	2	39.178	+06	50	38.67	
166	1985CZ1	8179	2 22.136806	10	2	38.802	+06	50	39.32	
167	1985CZ1	8179	2 22.142361	10	2	38.431	+06	50	40.49	
168	1985CZ1	8199	2 24.072917	10	0	37.389	+06	56	05.91	
169	1985CZ1	8199	2 24.077083	10	0	37.113	+06	56	06.23	
170	1985CZ1	8199	2 24.081944	10	0	36.774	+06	56	07.23	
171	1985CZ1	8223	2 25.110069	9	59	32.831	+06	59	03.09	
172	1985CZ1	8223	2 25.115278	9	59	32.484	+06	59	04.00	
173	1985CZ1	8223	2 25.120486	9	59	32.164	+06	59	05.10	
174	1985CZ1	8237	2 26.060069	9	58	34.489	+07	01	45.53	
175	1985CZ1	8237	2 26.064930	9	58	34.191	+07	01	46.48	
176	1985CZ1	8237	2 26.069791	9	58	33.917	+07	01	46.84	
177	1985CZ1	8255	2 27.068750	9	57	33.023	+07	04	40.13	
178	1985CZ1	8255	2 27.074306	9	57	32.607	+07	04	40.76	
179	1985CZ1	8273	2 28.058333	9	56	33.562	+07	07	30.08	
180	1985CZ1	8273	2 28.064583	9	56	33.183	+07	07	30.56	
181	1985CY1	8023	2 12.079861	10	6	56.108	+06	46	06.04	
182	1985CY1	8023	2 12.085416	10	6	55.884	+06	46	09.82	
183	1985CY1	8023	2 12.090972	10	6	55.667	+06	46	13.50	
184	1985CY1	8042	2 14.072222	10	5	41.690	+07	07	57.26	
185	1985CY1	8042	2 14.077777	10	5	41.503	+07	08	00.87	
186	1985CY1	8042	2 14.083333	10	5	41.269	+07	08	04.54	
187	1985CY1	8054	2 15.070486	10	5	3.947	+07	19	03.07	
188	1985CY1	8054	2 15.075347	10	5	3.739	+07	19	06.59	
189	1985CY1	8054	2 15.080208	10	5	3.550	+07	19	09.78	
190	1985CY1	8071	2 16.090972	10	4	24.973	+07	30	29.00	
191	1985CY1	8071	2 16.096528	10	4	24.780	+07	30	32.70	
192	1985CY1	8071	2 16.102083	10	4	24.546	+07	30	36.42	
193	1985CY1	8089	2 17.097222	10	3	46.431	+07	41	49.34	
194	1985CY1	8089	2 17.102777	10	3	46.187	+07	41	53.28	
195	1985CY1	8089	2 17.108333	10	3	45.971	+07	41	57.02	
196	1985CY1	8107	2 18.090625	10	3	46.279	+07	53	06.43	
197	1985CY1	8107	2 18.095486	10	3	46.067	+07	53	09.44	
198	1985CY1	8107	2 18.100347	10	3	45.876	+07	53	12.49	
199	1985CY1	8125	2 19.109375	10	2	29.777	+08	04	30.24	
200	1985CY1	8125	2 19.114236	10	2	29.548	+08	04	33.58	
201	1985CY1	8125	2 19.119097	10	2	29.368	+08	04	37.27	
202	1985CY1	8143	2 20.086805	10	1	51.950	+08	15	52.19	
203	1985CY1	8143	2 20.090972	10	1	51.398	+08	15	55.21	
204	1985CY1	8143	2 20.095139	10	1	51.240	+08	15	58.28	
205	1985CY1	8162	2 21.097222	10	1	12.901	+08	27	25.40	
206	1985CY1	8162	2 21.102777	10	1	12.680	+08	27	29.21	
207	1985CY1	8162	2 21.108333	10	1	12.479	+08	27	33.05	
208	1985CY1	8200	2 24.086805	9	59	20.058	+09	01	41.15	
209	1985CY1	8200	2 24.090972	9	59	19.913	+09	01	44.06	
210	1985CY1	8200	2 24.095139	9	59	19.751	+09	01	46.66	
211	1985CY1	8224	2 25.126736	9	58	41.561	+09	13	31.06	
212	1985CY1	8224	2 25.131597	9	58	41.387	+09	13	34.34	
213	1985CY1	8224	2 25.136458	9	58	41.206	+09	13	37.74	
214	1985CY1	8238	2 26.077430	9	58	7.027	+09	24	22.18	
215	1985CY1	8238	2 26.082292	9	58	6.831	+09	24	25.60	
216	1985CY1	8238	2 26.087152	9	58	6.638	+09	24	29.06	
217	1985CY1	8256	2 27.082986	9	57	30.904	+09	35	46.32	
218	1985CY1	8256	2 27.088889	9	57	30.698	+09	35	49.65	
219	1985CY1	8274	2 28.076339	9	56	55.876	+09	46	56.92	
220	1985CY1	8274	2 28.081944	9	56	55.695	+09	47	00.71	
221	1985DA2	8145	2 20.121181	10	5	18.135	+05	34	10.55	
222	1985DA2	8145	2 20.126041	10	5	17.800	+05	34	11.42	
223	1985DA2	8145	2 20.131944	10	5	17.393	+05	34	12.00	
224	1985DA2	8179	2 22.131250	10	3	18.013	+05	38	52.20	
225	1985DA2	8179	2 22.136806	10	3	17.629	+05	38	53.00	
226	1985DA2	8179	2 22.142361	10	3	17.239	+05	38	53.79	
227	1985DA2	8199	2 24.072917	10	0	48.361	+05	43	37.15	
228	1985DA2	8199	2 24.077083	10	0	48.083	+05	43	37.67	

POSITIONS OF ASTEROIDS

TABLE 1 (CONTINUED)

No.	Object	Date UT 1985		$\alpha$ (1950)			$\delta$		Residuals	
		Plate	Mon. Day	h	m	s	o	"	m	
229	1985DA2	8199	2 24.381944	10	0	47.752	+05	43	38.81	
230	1985DA2	8223	2 25.113009	9	59	37.681	+05	46	15.52	
231	1985DA2	8223	2 25.115278	9	59	37.328	+05	46	16.35	
232	1985DA2	8223	2 25.120486	9	59	36.974	+05	46	17.09	
233	1985DA2	8237	2 26.363069	9	58	33.250	+05	48	42.14	
234	1985DA2	8237	2 26.364930	9	58	32.929	+05	48	43.05	
235	1985DA2	8237	2 26.369791	9	58	32.620	+05	48	44.00	
236	1985DA2	8255	2 27.368750	9	57	25.187	+05	51	21.17	
237	1985DA2	8255	2 27.374306	9	57	24.680	+05	51	22.00	
238	1985DA2	8273	2 28.358333	9	56	18.588	+05	53	58.91	
239	1985DA2	8273	2 28.364583	9	56	18.172	+05	54	00.41	
240	1985DB2	8145	2 20.121181	10	6	29.603	+06	27	29.00	
241	1985DB2	8145	2 20.126041	10	6	29.362	+06	27	30.82	
242	1985DB2	8145	2 20.131944	10	6	29.068	+06	27	33.12	
243	1985DB2	8179	2 22.131250	10	4	48.986	+06	39	40.46	
244	1985DB2	8179	2 22.136836	10	4	48.720	+06	39	42.37	
245	1985DB2	8179	2 22.142361	10	4	48.460	+06	39	44.63	
246	1985DB2	8199	2 24.072917	10	3	12.559	+06	51	32.75	
247	1985DB2	8199	2 24.077083	10	3	12.349	+06	51	34.14	
248	1985DB2	8199	2 24.081944	10	3	12.092	+06	51	35.88	
249	1985DB2	8223	2 25.113009	10	2	21.303	+06	57	55.40	
250	1985DB2	8223	2 25.115278	10	2	21.046	+06	57	57.43	
251	1985DB2	8223	2 25.121486	10	2	20.774	+06	57	59.44	
252	1985DB2	8237	2 26.060069	10	1	34.733	+07	03	46.84	
253	1985DB2	8237	2 26.064930	10	1	34.507	+07	03	49.00	
254	1985DB2	8237	2 26.069791	10	1	34.271	+07	03	50.64	
255	1985DB2	8255	2 27.368750	10	0	45.773	+07	09	59.93	
256	1985DB2	8255	2 27.374306	10	0	45.492	+07	10	01.33	
257	7015	8126	2 19.139375	10	0	2.181	+06	38	54.00	+ .0 - 0
258	7015	8126	2 19.144236	10	0	2.174	+06	38	54.11	+ .0 - 0
259	7015	8126	2 19.149097	10	0	2.165	+06	38	54.20	+ .0 - 0
260	7971	8222	2 25.092361	9	50	34.482	+04	46	08.87	- .0 - 0
261	7971	8222	2 25.097917	9	50	34.455	+04	46	08.48	- .0 - 0
262	7971	8222	2 25.103472	9	50	34.494	+04	46	08.76	- .0 - 0

TABLE 2

STAR RESIDUALS. DEPENDENCES

Observations	No. SAO	Positions Used		Star Residuals						Dependences				
		s	"	s	"	s	"	s	"					
1	2	3	118127	+43.156	05.70	+0.039	-0.40	+0.033	-0.44	+0.037	-0.45	+0.106906	+0.106906	+0.099413
			118110	+59.783	-00.81	-0.017	+0.18	-0.015	+7.20	-0.017	+0.21	+0.843724	+0.843522	+0.843248
			118095	+26.500	03.29	-0.000	-0.00	-0.007	+0.03	-0.039	+0.15	+0.212374	+0.213550	+0.214466
			118103	+40.173	12.92	+0.017	-0.16	+0.026	-0.24	+0.031	-0.44	+0.055151	+0.085608	+0.026035
			118126	+38.257	37.92	-0.039	+0.39	+0.037	+0.45	-0.041	+0.53	-0.242185	-0.242760	-0.243158
4	5	6	118249	+16.406	34.29	-0.023	+0.12	-0.027	+0.31	-0.009	+0.36	-0.529664	-0.531363	-0.532558
			118034	+29.580	35.31	-0.016	+0.07	-0.023	+0.23	-0.013	+0.20	+0.521111	+0.521793	+0.521943
			118036	+48.335	26.37	-0.008	+0.04	-0.010	+0.11	-0.035	+0.11	+0.894758	+0.896342	+0.901236
			118044	+34.257	04.84	+0.021	-0.17	+0.010	-0.23	-0.014	-0.49	-0.028594	-0.029359	-0.029804
			118043	+17.728	31.22	+0.025	-0.06	+0.051	-0.43	+0.040	-0.17	+0.141328	+0.140586	+0.140452
7	8	9	118049	+16.406	34.29	-0.012	-0.18	+0.003	-0.10	+0.005	+0.11	-0.613336	-0.614178	-0.615412
			118044	+34.257	04.84	-0.006	-0.19	-0.016	-0.16	-0.027	-0.13	+0.195290	+0.194801	+0.194448
			118023	+28.756	11.70	-0.012	-0.21	-0.002	-0.13	-0.033	+0.07	+0.955361	+0.956409	+0.957775
			118036	+48.335	26.37	+0.018	+0.30	+0.003	+0.20	+0.005	-0.09	-0.134452	-0.133580	-0.133165
			118043	+17.728	31.22	+0.013	+0.27	+0.012	+0.20	+0.000	+0.03	+0.597136	+0.596549	+0.596353
10	11	12	118049	+16.406	34.29	-0.039	+0.43	-0.041	+0.55	-0.036	+0.44	-0.086608	-0.087410	-0.088269
			118051	+21.584	26.43	+0.021	-0.16	+0.019	-0.21	+0.018	-0.15	-0.354093	-0.354161	-0.354331
			118043	+17.728	31.22	+0.011	-0.42	+0.026	-0.56	+0.013	-0.49	+0.247795	+0.247069	+0.246440
			118023	+28.756	11.70	+0.052	+0.20	+0.017	+0.31	+0.039	+0.37	+0.562902	+0.563516	+0.563960
			118013	+47.963	43.11	-0.044	-0.05	-0.020	-0.10	-0.035	-0.16	+0.630009	+0.630986	+0.632200
13	14	15	118162	+58.305	29.29	+0.002	-0.09	+0.010	+0.01	+0.008	+0.02	+0.631792	+0.630406	+0.629040
			118153	+48.168	20.68	+0.000	-0.23	+0.004	-0.27	+0.005	-0.13	+0.372401	+0.371944	+0.371430
			118147	+16.514	27.52	-0.003	+0.45	-0.025	+0.32	-0.019	+0.13	+0.188048	+0.188278	+0.188647
			118127	+43.156	05.70	+0.002	-0.18	+0.011	-0.10	+0.009	-0.03	-0.297223	-0.295312	-0.293429
			118110	+59.783	-00.81	-0.000	+0.05	-0.002	+0.04	-0.002	+0.02	+0.104992	+0.104683	+0.104312
16	17	18	118186	+30.066	13.51	-0.005	+0.01	+0.001	-0.00	-0.001	-0.06	-0.054035	-0.055551	-0.057010
			118179	+55.959	54.92	+0.001	+0.01	-0.000	+0.01	-0.001	+0.04	+0.039250	+0.039384	+0.039394
			118162	+58.305	29.29	+0.010	-0.01	-0.002	+0.01	+0.003	+0.13	+0.224007	+0.223876	+0.223684
			118153	+48.168	20.68	-0.000	-0.08	+0.001	-0.07	+0.012	-0.26	+0.374523	+0.375572	+0.376317
			118147	+16.514	27.52	-0.006	+0.07	-0.000	+0.05	-0.012	+0.15	+0.415875	+0.416717	+0.417614

TABLE 2 (CONTINUED)

Observations	No. SAO	Positions Used		Star Residuals						Dependencies				
		s	"	s	"	s	"	s	"					
19	20	21	118158	+49.512	51.18	-0.012	-0.16	-0.009	+0.07	-0.018	+0.00	-0.029062	-0.030249	-0.031496
			118132	+10.750	46.27	+0.013	+0.21	+0.010	-0.06	+0.020	+0.00	-0.023041	-0.022178	-0.021338
			118147	+16.514	27.52	-0.016	+0.37	-0.008	+0.22	-0.006	+0.08	+0.379083	+0.378758	+0.378476
			118153	+40.168	20.68	+0.030	-0.13	+0.018	-0.27	+0.027	-0.07	+0.352859	+0.352306	+0.351832
			118127	+43.156	05.70	-0.013	-0.29	-0.011	+0.04	-0.023	-0.01	+0.320161	+0.321363	+0.322526
22	23	24	118103	+40.173	18.92	-0.009	-0.35	-0.014	-0.36	-0.013	-0.40	+0.467008	+0.466829	+0.469578
			118127	+43.156	05.70	+0.008	+0.68	+0.007	+0.56	+0.021	+0.78	+0.278984	+0.279028	+0.279121
			118147	+16.514	27.52	+0.002	-0.17	+0.007	-0.08	-0.003	-0.20	+0.235832	+0.234302	+0.232892
			118132	+10.750	46.27	-0.032	-0.42	+0.056	-0.71	-0.024	-0.47	-0.015944	-0.016103	-0.016318
			118124	+22.431	07.25	+0.031	+0.27	+0.055	+0.59	+0.020	+0.29	+0.034121	+0.034481	+0.034727
25	26	27	118103	+40.173	18.92	+0.016	-0.58	+0.014	-0.60	+0.015	-0.57	+0.623783	+0.624738	+0.625766
			118127	+43.156	05.70	-0.020	+0.72	-0.019	+0.75	-0.018	+0.70	+0.349636	+0.346047	+0.346462
			118110	+59.783	-00.82	-0.012	+0.49	-0.009	+0.54	-0.011	+0.49	+0.113554	+0.115401	+0.117275
			118124	+22.431	07.24	-0.007	+0.06	-0.009	-0.03	-0.007	+0.03	-0.006917	-0.006981	-0.007058
			118132	+10.750	46.27	+0.023	-0.69	+0.021	-0.66	+0.021	-0.66	-0.080056	-0.081205	-0.082405
28	29	30	118110	+59.783	-00.82	-0.010	+0.45	-0.013	+0.46	-0.018	+0.56	+0.158828	+0.159893	+0.160916
			118124	+22.431	07.24	+0.012	-0.49	+0.013	-0.49	+0.017	-0.58	-0.042577	-0.042994	-0.043507
			118095	+26.000	03.29	-0.002	-0.13	+0.006	-0.23	+0.019	-0.32	+0.518422	+0.519751	+0.521156
			118103	+40.173	18.92	+0.009	-0.08	-0.002	+0.06	-0.018	+0.14	+0.345964	+0.345946	+0.345999
			118127	+43.156	05.70	-0.010	+0.26	-0.005	+0.20	-0.000	+0.20	+0.019364	+0.017404	+0.015436
31	32	33	118127	+43.156	05.70	-0.009	+0.12	-0.004	-0.06	-0.000	+0.13	-0.116708	-0.116223	-0.116883
			118084	+21.834	07.16	+0.006	-0.14	+0.003	-0.01	+0.002	-0.10	+0.104856	+0.105355	+0.105665
			118087	+34.628	39.85	-0.013	+0.51	-0.009	+0.18	-0.007	+0.29	+0.392926	+0.393664	+0.394477
			118095	+26.000	03.29	-0.005	-0.40	+0.002	-0.39	+0.009	-0.09	+0.377122	+0.377549	+0.378079
			118103	+40.173	18.92	+0.021	-0.39	+0.006	+0.28	-0.003	-0.22	+0.241804	+0.241655	+0.241442
34	35	36	118095	+26.000	03.29	-0.003	-0.14	+0.002	-0.17	+0.002	-0.18	+0.143574	+0.141866	+0.140196
			118087	+34.628	39.85	+0.036	+0.02	+0.025	+0.07	+0.019	+0.03	+0.173069	+0.172190	+0.171170
			118077	+39.051	14.09	-0.024	+0.24	-0.023	+0.24	-0.024	+0.29	+0.219140	+0.219928	+0.221153
			118066	+49.451	52.35	+0.051	-0.48	+0.048	-0.46	+0.050	-0.57	+0.242172	+0.243447	+0.244689
			118072	+13.089	51.45	-0.055	+0.36	-0.048	+0.33	-0.047	+0.43	+0.222046	+0.222569	+0.222792
37	38	39	118067	+34.628	39.85	-0.006	-0.11	-0.008	-0.09	-0.019	-0.25	+0.200002	+0.198594	+0.197432
			118066	+49.451	52.35	+0.027	-0.06	+0.027	-0.04	+0.027	+0.22	+0.407384	+0.407818	+0.408185
			118077	+39.051	14.09	-0.018	+0.28	-0.014	+0.21	-0.004	+0.23	+0.077511	+0.076771	+0.076066
			118064	+41.208	44.10	+0.015	-0.14	+0.013	-0.11	+0.011	-0.05	-0.082915	-0.083015	-0.083186
			118049	+16.406	34.29	-0.016	+0.03	-0.018	+0.02	-0.025	-0.16	+0.398618	+0.399832	+0.401500
40	41	42	118066	+49.451	52.35	+0.021	+0.27	+0.011	+0.30	+0.012	+0.36	+0.300408	+0.299400	+0.298497
			118077	+39.051	14.09	-0.021	-0.34	-0.012	-0.35	-0.012	-0.41	+0.065473	+0.064421	+0.063016
			118064	+41.208	44.10	+0.023	-0.05	+0.012	+0.15	+0.013	+0.18	-0.063902	-0.063661	-0.063557
			118049	+16.406	34.29	-0.041	+0.79	-0.022	+0.11	-0.024	+0.10	+0.276436	+0.277322	+0.278124
			118044	+34.257	04.34	+0.019	-0.66	+0.010	-0.21	+0.011	-0.23	+0.421584	+0.422718	+0.423917
43	44	45	118049	+16.406	34.29	-0.039	+0.43	-0.041	+0.55	-0.036	+0.44	+0.382938	+0.381961	+0.381102
			118051	+21.584	26.43	+0.021	-0.16	+0.019	-0.21	+0.018	-0.15	-0.031756	-0.032456	-0.033074
			118043	+17.728	31.22	+0.011	-0.42	+0.026	-0.56	+0.013	-0.49	+0.493787	+0.493348	+0.492867
			118023	+28.756	11.70	-0.052	+0.20	+0.017	+0.31	+0.039	+0.37	+0.179528	+0.180278	+0.181010
			118013	+47.963	43.11	-0.044	-0.05	-0.020	-0.10	-0.035	-0.16	-0.024497	-0.023132	-0.021905
46	47	48	118012	+45.018	44.62	-0.002	+0.54	-0.004	+0.41	+0.006	+0.08	+0.032558	+0.032932	+0.033271
			118001	+46.778	15.48	-0.014	-0.50	-0.004	-0.28	-0.020	+0.15	+0.405126	+0.405662	+0.406115
			118051	+21.584	26.43	+0.012	-0.16	+0.007	-0.20	+0.009	-0.20	-0.569240	-0.569921	-0.570563
			118049	+16.406	34.29	-0.022	+0.00	-0.011	+0.15	-0.020	+0.31	+0.331844	+0.331228	+0.330774
			118023	+28.756	11.70	+0.025	+0.11	+0.012	-0.08	+0.025	-0.35	+0.799712	+0.800098	+0.800403
49	50	51	118095	+26.000	03.29	+0.003	-0.22	-0.007	-0.25	-0.014	+0.10	+0.026197	+0.027123	+0.027857
			118103	+40.173	18.92	+0.023	-0.23	+0.030	-0.31	+0.033	-0.51	-0.067857	-0.067995	-0.068161
			118126	+38.257	37.92	-0.025	+0.40	-0.023	+0.50	-0.021	+0.41	-0.085560	-0.087214	-0.088495
			118096	+32.855	45.40	+0.028	+0.57	-0.019	+0.68	-0.012	+0.36	+0.560193	+0.561404	+0.562242
			118113	+29.031	49.25	+0.027	-0.52	+0.019	-0.63	+0.013	-0.36	+0.567027	+0.566682	+0.566557
52	53	54	118162	+58.305	29.29	+0.002	-0.09	+0.010	+0.01	+0.008	+0.02	+0.941077	+0.939627	+0.938180
			118153	+40.168	20.68	-0.000	-0.23	-0.004	-0.27	+0.005	-0.13	+0.415995	+0.415654	+0.415057
			118147	+16.514	27.52	-0.003	+0.45	-0.023	+0.32	-0.019	+0.13	-0.104642	-0.104167	-0.103429
			118127	+43.156	05.70	+0.002	-0.18	+0.011	-0.10	+0.009	-0.03	-1.053726	-1.051464	-1.049309
			118110	+59.783	-00.81	-0.000	+0.05	-0.002	+0.04	-0.002	+0.02	+0.801296	+0.800349	+0.799500
55	56	57	118186	+30.066	13.51	-0.005	+0.01	+0.001	-0.00	-0.001	-0.06	-0.603545	-0.604301	-0.604974
			118179	+55.959	54.92	+0.001	+0.01	-0.000	+0.01	-0.001	+0.04	+0.707890	+0.707194	+0.706477
			118162	+58.305	29.29	+0.010	-0.01	-0.002	+0.01	+0.003	+0.13	-0.074590	-0.074378	-0.074315
			118153	+40.168	20.68	-0.000	-0.08	+0.001	-0.07	+0.012	-0.26	+0.487489	+0.488037	+0.488643
			118147	+16.514	27.52	-0.006	+0.07	-0.000	+0.95	-0.012	+0.15	+0.482757	+0.483449	+0.484169
58	59	60	118158	+49.512	51.18	-0.012	-0.16	-0.009	+0.07	-0.018	+0.00	+0.092449	+0.091321	+0.090177
			118132	+10.750	46.27	+0.013	+0.21	+0.010	-0.06	+0.020	+0.00	+0.173509	+0.173914	+0.174324
			118147	+16.514	27.52	-0.016	+0.37	-0.008	+0.22	-0.006	+0.08	+0.236697	+0.236657	+0.236623
			118153	+40.168	20.68	+0.030	-0.13	+0.018	-0.27	+0.027	-0.07	+0.221010	+0.220783	+0.220559
			118127	+43.156	05.70	-0.013	-0.29	-0.011	+0.04	-0.023	-0.01	+0.276335	+0.277325	+0.278317
61	62	63	118103	+40.173	18.92	-0.009	-0.35	-0.014	-0.36	-0.013	-0.40	+0.380353	+0.381616	+0.382922
			118127	+43.156	05.70	+0.008	+0.68	+0.007	+0.56	+0.021	+0.78	+0.253442	+0.253585	+0.253741
			118147	+16.514	27.52	-0.002	-0.17	+0.007	-0.06	-0.003	-0.20	+0.224687	+0.223064	+0.222602
			118132	+10.750	46.27	+0.032	-0.42	-0.005	-0.71	-0.024	-0.47	+0.053886	+0.053470	+0.053070
			118124	+22.431	07.25	+0.031	+0.27	+0.055	+0.59	+0.020	+0.29	+0.034121	+0.034481	+0.034727

POSITIONS OF ASTEROIDS

TABLE 2 (CONTINUED)

Table with columns: Observations, No. SAO, Positions Used (s, ''), Star Residuals (s, ''), Dependences. Contains numerical data for various asteroid observations.

TABLE 2 (CONTINUED)

Observations	No. SAO	Positions Used		Star Residuals								Dependences		
		s	"	s	"	s	"	s	"					
107	108	109	118103	+40.173	18.92	+0.016	-0.58	+0.014	-0.60	+0.015	-0.57	-0.039223	-0.038379	-0.037511
			118127	+43.156	05.70	-0.020	+0.72	-0.018	+0.75	-0.018	+0.70	+0.257147	+0.254215	+0.251250
			118110	+59.783	-00.82	-0.012	+0.49	-0.009	+0.54	-0.011	+0.49	+0.099341	+0.102588	+0.105860
			118124	+22.431	07.24	-0.007	+0.06	-0.009	-0.03	-0.007	+0.03	+0.286383	+0.286664	+0.286945
			118132	+10.750	46.27	+0.023	-0.69	+0.021	-0.66	+0.021	-0.66	+0.396352	+0.394912	+0.393455
110	111	112	118110	+59.783	-00.82	-0.036	+0.69	+0.016	+0.14	-0.020	+0.24	+0.512658	+0.513687	+0.514873
			118124	+22.431	07.24	-0.005	+0.07	-0.006	+0.07	-0.008	-0.06	+0.186352	+0.184726	+0.183192
			118112	+16.389	39.08	+0.035	-0.11	+0.018	-0.15	+0.021	-0.20	+0.432673	+0.436762	+0.440626
			118135	+37.677	59.43	-0.032	+0.10	-0.016	+0.14	-0.020	+0.18	-0.126932	-0.127297	-0.127707
			118132	+10.750	46.27	+0.037	-0.15	+0.021	-0.19	+0.026	-0.16	-0.004750	-0.007878	-0.010905
113	114	115	118132	+10.750	46.27	+0.024	-0.17	+0.027	-0.18	+0.021	-0.22	-0.431946	-0.435655	-0.439303
			118110	+59.783	-00.82	-0.045	+0.39	-0.051	+0.38	-0.038	+0.45	+0.009079	+0.007868	+0.006544
			118121	+04.387	15.48	-0.007	-0.33	-0.002	-0.19	-0.011	-0.18	+0.420666	+0.422142	+0.423716
			118112	+16.389	39.08	+0.010	+0.34	+0.004	+0.19	+0.013	+0.18	+0.515905	+0.518012	+0.519981
			118084	+21.834	07.16	+0.018	-0.24	+0.022	-0.21	+0.014	-0.23	+0.486296	+0.487633	+0.489061
116	117	118	118121	+04.387	15.48	+0.007	-0.21	+0.011	-0.40	+0.006	-0.28	+0.213944	+0.213466	+0.212997
			118110	+59.783	-00.82	-0.019	+0.34	-0.023	+0.60	-0.031	+0.41	-0.105589	-0.106929	-0.108109
			500015	+02.174	53.92	-0.000	+0.13	-0.003	+0.26	+0.003	+0.20	+0.716176	+0.718154	+0.720042
			118073	+17.963	18.32	-0.021	-0.08	-0.017	-0.23	-0.034	-0.22	+0.172235	+0.172519	+0.172784
			118084	+21.834	07.16	+0.033	-0.18	+0.032	-0.24	+0.046	-0.11	+0.003235	+0.002789	+0.002286
119	120	121	118079	+41.481	56.42	+0.016	-0.33	-0.009	-0.43	+0.013	+0.06	+0.106320	+0.105277	+0.104967
			118090	+46.134	15.27	-0.033	+0.24	-0.030	+0.14	-0.026	-0.02	-0.078832	-0.081159	-0.083581
			118076	+26.614	14.82	+0.037	-0.04	+0.041	+0.27	+0.058	-0.03	+0.154386	+0.154814	+0.155184
			118056	+41.830	39.22	-0.028	+0.12	-0.029	-0.04	-0.033	+0.00	+0.453080	+0.455380	+0.456769
			118059	+06.315	03.46	+0.008	+0.02	+0.009	+0.10	+0.015	-0.01	+0.365046	+0.364827	+0.364661
122	123	124	118045	+35.799	27.17	+0.026	+0.21	+0.031	+0.03	+0.009	+0.11	+0.493659	+0.492045	+0.490411
			118056	+41.830	39.22	-0.054	-0.25	-0.042	-0.73	-0.035	-0.77	+0.271898	+0.270343	+0.268760
			118042	+13.330	-00.67	+0.051	+0.86	+0.037	+0.73	+0.035	+0.81	-0.055792	-0.055099	-0.054311
			118018	+03.868	37.62	-0.041	-0.87	-0.020	-0.92	-0.035	-0.89	+0.009120	+0.011259	+0.013323
			118028	+07.408	14.75	+0.017	+0.65	-0.007	+0.84	+0.025	+0.75	+0.221116	+0.281452	+0.281757
125	126	127	118018	+03.868	37.62	-0.003	-0.55	-0.000	-0.40	-0.006	-0.58	+0.417842	+0.418845	+0.419936
			118020	+11.199	38.20	+0.021	+0.46	+0.018	+0.25	+0.023	+0.48	+0.505937	+0.507447	+0.508956
			118056	+41.830	39.22	-0.038	-0.19	-0.037	+0.03	-0.039	-0.20	-0.108404	-0.106224	-0.107561
			118045	+35.798	27.17	+0.024	+0.26	+0.045	-0.02	+0.048	+0.27	-0.113267	-0.114722	-0.116309
			118008	+26.926	32.32	-0.026	+0.02	-0.027	+0.14	-0.027	+0.03	+0.294292	+0.294854	+0.294978
128	129	130	117975	+05.389	40.75	+0.004	-0.17	+0.001	-0.18	-0.001	-0.19	+0.520289	+0.520304	+0.519778
			117967	+16.658	04.60	-0.022	+0.53	-0.018	+0.52	-0.015	+0.51	+0.273668	+0.273116	+0.272478
			117980	+29.837	55.07	+0.024	-0.49	+0.024	-0.45	+0.022	-0.43	+0.137107	+0.136888	+0.135576
			117940	+11.619	55.78	-0.013	-0.01	-0.022	-0.07	-0.026	-0.15	-0.001946	-0.001293	-0.000005
			117935	+41.389	19.02	+0.007	+0.14	+0.015	+0.19	+0.020	+0.26	+0.070283	+0.070985	+0.071774
131	132	133	117980	+29.837	55.07	+0.036	-0.60	+0.004	-0.62	+0.004	-0.54	+0.059434	+0.059002	+0.058568
			117987	+16.658	04.60	-0.033	+0.66	+0.000	+0.66	+0.002	+0.60	+0.096987	+0.095963	+0.094952
			117940	+11.619	55.78	-0.016	-0.06	-0.011	+0.03	-0.018	-0.04	+0.202604	+0.203752	+0.204865
			117975	+05.389	40.75	+0.007	-0.23	-0.002	-0.20	-0.004	-0.20	+0.352497	+0.351583	+0.350687
			117935	+41.389	19.02	+0.006	+0.22	+0.010	+0.13	+0.017	+0.18	+0.288479	+0.289700	+0.290898
134	135	136	117935	+41.389	19.02	+0.016	+0.13	+0.015	-0.02	+0.021	-0.02	+0.500914	+0.502020	+0.503009
			117940	+11.619	55.78	-0.010	-0.33	-0.014	-0.21	-0.017	-0.18	+0.387998	+0.389098	+0.390142
			117971	+40.433	16.40	-0.028	+0.63	-0.011	+0.81	-0.022	+0.73	-0.002767	-0.003114	-0.003377
			117980	+29.837	55.07	+0.033	-0.57	+0.017	-0.81	-0.029	-0.73	-0.065596	-0.066511	-0.067417
			117975	+05.389	40.75	-0.011	+0.14	-0.007	+0.22	-0.011	+0.20	+0.179451	+0.178326	+0.177242
137	138		117935	+41.389	19.02	+0.022	+0.21	+0.016	+0.33			+0.261346	+0.259410	
			117940	+11.619	55.78	-0.017	-0.15	-0.012	-0.26			+0.290854	+0.289841	
			117919	+34.256	25.85	-0.007	-0.15	-0.005	-0.06			+0.172315	+0.174519	
			117914	+00.497	35.28	+0.017	+0.27	+0.012	+0.20			+0.141125	+0.142772	
			117915	+05.017	04.27	-0.015	-0.19	-0.011	-0.21			+0.134300	+0.133458	
139	140		117919	+34.256	25.85	+0.003	-0.10	-0.009	-0.02			+0.606223	+0.608658	
			117940	+11.619	55.78	-0.021	-0.17	-0.013	-0.11			+0.088250	+0.087056	
			117935	+41.389	19.02	+0.025	+0.22	+0.018	+0.14			-0.120038	-0.122122	
			117914	+00.497	35.28	+0.006	+0.21	+0.018	+0.08			+0.455433	+0.457201	
			117915	+05.017	04.27	-0.013	-0.17	-0.014	-0.08			-0.029867	-0.030794	
141	142	143	118160	+53.417	40.69	+0.018	+0.02	+0.017	-0.11	+0.023	-0.03	+0.071829	+0.072693	+0.073529
			118158	+49.512	51.18	-0.019	+0.03	-0.018	+0.20	-0.023	+0.07	-0.069685	-0.068818	-0.067947
			118179	+55.959	54.92	+0.003	-0.14	+0.002	-0.24	-0.000	-0.13	+0.054366	+0.054233	+0.054064
			118189	+04.834	28.53	+0.003	+0.11	+0.004	+0.16	+0.007	+0.09	+0.217073	+0.216361	+0.215675
			118191	+23.893	05.65	-0.005	-0.02	-0.005	-0.00	-0.006	-0.01	+0.726417	+0.725531	+0.724679
144	145	146	118132	+10.750	46.27	+0.003	-0.03	+0.004	-0.03	-0.000	+0.05	-0.490870	-0.489586	-0.488389
			118160	+53.417	40.69	+0.032	-0.70	+0.039	-0.74	+0.027	-0.83	+0.635631	+0.634994	+0.634107
			118158	+49.512	51.18	-0.017	+0.34	-0.022	+0.41	-0.011	+0.29	+0.434364	+0.433732	+0.433029
			118151	+34.105	52.06	-0.025	+0.62	-0.029	+0.55	-0.026	+0.92	+0.449061	+0.448668	+0.448237
			118135	+37.677	59.43	+0.007	-0.22	+0.007	-0.14	+0.011	-0.44	-0.028385	-0.027809	-0.027153
147	148	149	118132	+10.750	46.27	+0.004	-0.02	-0.000	-0.08	+0.007	-0.06	-0.269406	-0.268384	-0.267449
			118160	+53.416	40.69	+0.031	-0.77	+0.033	-0.80	+0.049	-0.87	+0.485048	+0.484328	+0.483717
			118158	+49.512	51.18	-0.018	+0.35	-0.014	+0.43	-0.029	+0.44	+0.333089	+0.332548	+0.332000
			118151	+34.105	52.06	-0.023	+0.71	-0.033	+0.62	-0.033	+0.72	+0.380211	+0.379907	+0.379644
			118135	+37.677	59.43	+0.005	-0.27	+0.014	-0.17	+				



TABLE 2 (CONTINUED)

Observations	No. SAO	Positions Used		Star Residuals						Dependences				
		s	"	s	"	s	"	s	"					
150	151	152	118135	+37.677	59.43	-0.012	-0.32	+0.006	-0.46	+0.003	-0.44	+0.172195	+0.172264	+0.173415
			118132	+10.750	46.27	+0.018	+0.02	+0.001	+0.07	+0.004	+0.05	-0.040818	-0.039572	-0.038405
			118151	+34.105	52.06	-0.019	+0.73	-0.018	+0.92	-0.019	+0.91	+0.308543	+0.308153	+0.307812
			118160	+53.416	40.69	+0.058	-0.71	+0.021	-0.80	+0.028	-0.23	+0.330075	+0.329148	+0.328353
			118158	+49.512	51.18	-0.045	+0.29	-0.011	+0.27	-0.017	+0.30	+0.230004	+0.229401	+0.228825
153	154	155	118132	+10.750	46.27	+0.026	+0.41	+0.043	+0.15	+0.039	+0.27	+0.671601	+0.671075	+0.670319
			118153	+40.168	20.68	-0.019	-0.00	-0.025	+0.16	-0.019	+0.12	+0.573824	+0.572461	+0.571326
			118127	+43.156	05.70	+0.023	-0.25	+0.024	-0.43	+0.014	-0.42	-0.548422	-0.547255	-0.546279
			118110	+59.783	-00.82	-0.024	+0.25	-0.025	+0.44	-0.015	+0.43	-0.436103	-0.434771	-0.433369
			118121	+04.387	15.48	-0.006	-0.40	-0.017	-0.33	-0.019	-0.40	+0.739105	+0.738492	+0.738003
156	157	158	118135	+37.677	59.43	-0.029	+0.25	-0.020	+0.56	-0.030	+0.46	+0.542819	+0.541910	+0.540945
			118121	+04.387	15.48	+0.028	-0.24	+0.029	-0.55	+0.029	-0.45	-0.075129	-0.073762	-0.072351
			118132	+10.750	46.27	-0.013	-0.31	-0.013	-0.28	-0.010	-0.39	+0.569222	+0.567596	+0.565976
			118124	+22.431	07.24	+0.053	+0.21	+0.054	-0.20	+0.049	+0.10	+0.253818	+0.253339	+0.252897
			118110	+59.783	-00.82	-0.040	+0.09	-0.041	+0.47	-0.039	+0.28	-0.290720	-0.289803	-0.287468
159	160	161	118132	+10.750	46.27	-0.018	-0.28	-0.010	-0.42	-0.009	-0.24	+0.259676	+0.258876	+0.257974
			118124	+22.431	07.24	+0.018	+0.24	+0.009	+0.40	+0.010	+0.21	+0.176701	+0.177076	+0.177357
			118112	+16.389	39.08	-0.009	+0.24	+0.005	+0.12	-0.008	+0.21	+0.078452	+0.080211	+0.081947
			118121	+04.387	15.48	+0.004	-0.48	-0.011	-0.39	+0.006	-0.42	+0.162656	+0.163134	+0.163733
			118135	+37.677	59.43	+0.004	+0.27	+0.007	+0.29	+0.001	+0.24	+0.322515	+0.320703	+0.318969
162	163	164	118121	+04.387	15.48	-0.003	-0.58	-0.003	-0.38	-0.012	-0.43	+0.281210	+0.281844	+0.282510
			118135	+37.677	59.43	+0.012	+0.29	+0.006	+0.24	+0.010	+0.29	-0.052646	-0.054350	-0.056530
			118112	+16.389	39.08	-0.009	+0.34	-0.003	+0.17	+0.002	+0.16	+0.456137	+0.457965	+0.460061
			118124	+22.431	07.24	+0.032	+0.16	+0.016	+0.27	+0.017	+0.36	+0.244157	+0.244447	+0.244880
			118132	+10.750	46.27	-0.032	-0.21	-0.016	-0.29	-0.017	-0.39	+0.071142	+0.070095	+0.069079
165	166	167	118084	+21.834	07.16	+0.010	-0.25	+0.014	-0.15	+0.014	-0.12	+0.314242	+0.315140	+0.315205
			118090	+46.134	15.27	-0.010	+0.10	-0.011	+0.04	-0.009	+0.02	+0.294855	+0.295811	+0.295765
			118121	+04.387	15.48	-0.002	-0.46	+0.003	-0.34	+0.013	-0.33	+0.093398	+0.092493	+0.091468
			118112	+16.389	39.08	+0.025	+0.26	+0.024	+0.26	+0.008	+0.30	+0.141345	+0.140950	+0.140308
			118110	+59.783	-00.82	-0.024	+0.35	-0.030	+0.19	-0.026	+0.13	+0.156159	+0.155706	+0.155254
168	169	170	118112	+16.389	39.08	+0.008	+0.15	+0.008	+0.23	+0.006	+0.20	-0.006751	-0.007235	-0.007917
			118110	+59.783	-00.82	-0.004	-0.08	-0.005	-0.13	-0.003	-0.12	+0.605482	+0.605571	+0.605893
			118090	+46.134	15.27	-0.004	+0.07	-0.003	-0.05	+0.006	+0.19	-0.187877	-0.188304	-0.188863
			118079	+41.481	56.42	-0.003	-0.24	-0.005	-0.17	-0.014	-0.45	-0.005452	-0.005502	-0.005765
			118045	+35.798	27.17	+0.003	+0.11	+0.004	+0.12	+0.005	+0.18	+0.594598	+0.595470	+0.596652
171	172	173	118090	+46.134	15.27	-0.001	-0.02	+0.008	+0.21	+0.002	+0.23	+0.075970	+0.074993	+0.074064
			118079	+41.481	56.42	+0.004	-0.01	-0.005	-0.25	+0.002	-0.26	+0.103035	+0.102660	+0.102293
			118073	+17.963	18.32	-0.009	+0.11	-0.016	-0.09	-0.013	-0.12	+0.307285	+0.306898	+0.306595
			118059	+06.315	03.46	+0.011	-0.12	+0.017	+0.10	+0.015	+0.13	+0.320981	+0.321318	+0.321660
			118045	+35.798	27.17	-0.005	+0.04	-0.004	+0.03	-0.005	+0.03	+0.192728	+0.194132	+0.195398
174	175	176	118045	+35.798	27.17	-0.008	-0.14	+0.023	+0.06	+0.016	-0.09	+0.316244	+0.317196	+0.318060
			118055	+41.307	27.79	-0.027	+0.14	-0.042	-0.08	-0.038	+0.06	+0.080259	+0.080728	+0.081242
			118076	+26.614	14.82	+0.030	+0.01	+0.021	+0.02	+0.035	+0.05	-0.074018	-0.074357	-0.074633
			118059	+06.315	03.46	+0.003	+0.06	-0.006	-0.02	+0.002	+0.04	+0.647546	+0.647546	+0.647443
			118090	+46.134	15.27	-0.015	-0.06	-0.001	+0.01	-0.015	-0.06	+0.029969	+0.028887	+0.027387
177	178		118054	+38.595	06.98	-0.004	-0.31	+0.005	-0.47			+0.355598	+0.355937	
			118059	+06.315	03.46	+0.009	+0.43	-0.000	+0.59			+0.284276	+0.283841	
			118045	+35.798	27.17	-0.019	-0.42	-0.020	-0.39			+0.052592	+0.051212	
			118028	+07.408	14.74	+0.022	+0.38	+0.026	+0.27			+0.072964	+0.072578	
			118008	+26.926	32.32	-0.007	-0.07	-0.011	-0.00			+0.234570	+0.236432	
179	180		118028	+07.408	14.74	+0.025	+0.60	+0.041	+0.59			+0.116686	+0.116577	
			118045	+35.798	27.17	-0.009	-0.29	-0.013	-0.21			+0.083411	+0.082298	
			118054	+38.595	06.98	-0.008	-0.12	-0.017	-0.21			+0.222966	+0.221928	
			118034	+29.580	35.31	+0.011	+0.20	+0.020	+0.27			+0.351313	+0.352152	
			118008	+26.926	32.32	-0.018	-0.39	-0.032	-0.44			+0.225624	+0.227045	
181	182	183	118135	+37.677	59.43	-0.001	-0.43	+0.007	-0.14	-0.003	-0.27	+0.274113	+0.273674	+0.273233
			118151	+34.105	52.06	-0.012	+0.79	-0.028	+0.55	-0.016	+0.64	+0.066665	+0.065586	+0.064521
			118160	+53.417	40.69	+0.024	-0.62	+0.038	-0.72	+0.036	-0.66	+0.006903	+0.006184	+0.005530
			118158	+49.512	51.18	-0.017	+0.16	-0.021	+0.39	-0.025	+0.28	+0.122882	+0.123351	+0.123774
			118132	+10.750	46.27	+0.006	+0.09	+0.004	-0.08	+0.009	-0.00	+0.529438	+0.531206	+0.532941
184	185	186	118103	+40.173	18.92	-0.009	-0.35	-0.014	-0.36	-0.013	-0.40	+0.033879	+0.034875	+0.036019
			118127	+43.156	05.70	+0.008	+0.68	+0.007	+0.56	+0.021	+0.78	+0.116579	+0.116789	+0.116964
			118147	+16.514	27.52	-0.002	-0.17	+0.007	-0.08	-0.003	-0.20	-0.002306	-0.002687	-0.003217
			118132	+10.750	46.27	-0.032	-0.42	-0.056	-0.71	-0.024	-0.47	+0.428328	+0.427829	+0.427232
			118124	+22.431	07.25	+0.031	+0.27	+0.055	+0.59	+0.020	+0.29	+0.423520	+0.423193	+0.423002
187	188	189	118103	+40.173	18.92	+0.016	-0.58	+0.014	-0.60	+0.015	-0.57	+0.132150	+0.133172	+0.134097
			118127	+43.156	05.70	-0.020	+0.72	-0.018	+0.75	-0.018	+0.70	+0.152922	+0.152489	+0.152098
			118110	+59.783	-00.82	-0.012	+0.49	-0.009	+0.54	-0.011	+0.49	+0.238241	+0.238867	+0.239438
			118124	+22.431	07.24	-0.007	+0.06	-0.009	-0.03	-0.007	+0.03	+0.238095	+0.237769	+0.237470
			118132	+10.750	46.27	+0.023	-0.69	+0.021	-0.66	+0.021	-0.66	+0.238592	+0.237702	+0.236896
190	191	192	118110	+59.783	-00.82	-0.010	+0.45	-0.013	+0.46	-0.018	+0.56	+0.285031	+0.284953	+0.285011
			118124	+22.431	07.24	+0.012	-0.49	+0.013	-0.49	+0.017	-0.58	+0.286694	+0.286059	+0.285393
			118095	+26.000	03.29	-0.002	-0.13	+0.006	-0.23	+0.019	-0.32	+0.136499	+0.137355	+0.138359
			118103	+40.173	18.92	+0.009	-0.08	-0.002	+0.06	-0.018	+0.14	+0.129292	+0.129662	+0.130019
			118127	+43.156	05.70	-0.010	+0.26	-0.005	+0.20	-0.000</				

TABLE 2 (CONTINUED)

Observations	No. SAO	Positions Used		Star Residuals						Dependences				
		s	"	s	"	s	"	s	"					
193	194	195	118127	+43.156	05.70	-0.009	+0.12	-0.004	-0.06	-0.000	+0.13	+0.497083	+0.495724	+0.494428
			118084	+21.834	07.16	+0.006	-0.14	+0.003	-0.01	+0.002	-0.10	+0.398356	+0.397527	+0.396751
			118087	+34.628	39.85	-0.013	+0.51	-0.009	+0.18	-0.007	+0.29	+0.005035	+0.005995	+0.006805
			118095	+26.000	03.29	-0.005	-0.40	+0.002	-0.39	+0.009	-0.09	-0.012498	-0.011546	-0.010703
			118103	+40.173	18.92	+0.021	-0.09	+0.008	+0.28	-0.003	-0.22	+0.112023	+0.112299	+0.112720
196	197	198	118110	+59.783	-00.82	+0.005	-0.08	-0.005	-0.04	-0.008	-0.07	+0.267272	+0.266049	+0.264904
			118084	+21.834	07.16	-0.007	+0.05	+0.007	-0.00	+0.013	+0.04	+0.031661	+0.032156	+0.032539
			118103	+40.173	18.92	-0.009	+0.29	+0.008	+0.25	+0.009	+0.28	+0.346800	+0.346444	+0.346151
			118095	+26.000	03.29	+0.006	-0.46	-0.003	-0.48	+0.003	-0.47	+0.227684	+0.228023	+0.228395
			118087	+34.628	39.85	+0.005	+0.20	-0.007	+0.28	-0.017	+0.22	+0.126582	+0.127328	+0.128012
199	200	201	118103	+40.173	18.92	-0.010	-0.19	-0.009	-0.10	-0.011	+0.02	+0.553418	+0.552314	+0.551418
			118087	+34.628	39.85	+0.043	+0.23	+0.041	+0.00	+0.046	-0.24	+0.312114	+0.311449	+0.310822
			118072	+13.089	51.45	-0.050	+0.34	-0.049	+0.44	-0.053	+0.46	+0.218754	+0.217673	+0.216463
			118066	+49.451	52.35	+0.038	-0.61	+0.038	-0.60	+0.040	-0.45	+0.023148	+0.023576	+0.023859
			118077	+39.051	14.09	-0.021	+0.24	-0.020	+0.25	-0.022	+0.22	-0.107434	-0.105012	-0.102563
202	203	204	118095	+26.000	03.29	-0.009	-0.24	-0.010	-0.11	+0.001	-0.04	+0.506931	+0.506122	+0.505316
			118087	+34.628	39.85	+0.038	+0.07	+0.039	-0.12	+0.016	-0.15	+0.290632	+0.289582	+0.288448
			118072	+13.089	51.45	-0.058	+0.52	-0.056	+0.57	-0.038	+0.45	-0.024739	-0.025612	-0.026462
			118066	+49.451	52.35	+0.053	-0.71	+0.050	-0.68	+0.040	-0.50	-0.029731	-0.029130	-0.028509
			118077	+39.051	14.09	-0.024	+0.36	-0.023	+0.33	-0.019	+0.24	+0.256907	+0.259038	+0.261207
205	206	207	118067	+34.628	39.85	+0.001	+0.47	+0.012	+0.39	+0.008	+0.35	+0.446237	+0.444822	+0.443377
			118085	+26.204	10.18	-0.014	-0.06	-0.020	-0.17	-0.016	-0.21	+0.240459	+0.240718	+0.241010
			118077	+39.051	14.09	+0.008	-0.85	-0.009	-0.63	-0.006	-0.53	+0.261808	+0.261407	+0.261054
			118064	+41.208	44.10	+0.017	+0.47	+0.034	+0.53	+0.025	+0.55	+0.059487	+0.060380	+0.061228
			118049	+16.406	34.29	-0.011	-0.03	-0.016	-0.12	-0.012	-0.16	-0.007990	-0.007327	-0.006670
208	209	210	118051	+21.584	26.43	-0.008	-0.27	+0.000	-0.31	-0.008	-0.36	+0.455883	+0.457004	+0.458105
			118064	+41.208	44.10	+0.035	-0.38	+0.023	-0.40	+0.020	-0.35	+0.253522	+0.253722	+0.253905
			118085	+26.204	10.18	-0.018	+0.70	-0.020	+0.77	-0.006	+0.79	+0.221854	+0.221690	+0.221400
			118077	+39.051	14.09	+0.003	-0.69	+0.012	-0.77	-0.004	-0.83	-0.016295	-0.017250	-0.018148
			118049	+16.406	34.29	-0.012	+0.64	-0.016	+0.72	-0.003	+0.75	+0.085036	+0.084834	+0.084737
211	212	213	118051	+21.584	26.43	+0.010	+0.31	-0.011	+0.31	+0.005	+0.24	+0.359871	+0.359822	+0.359844
			118036	+48.335	26.37	+0.005	-0.14	-0.006	-0.17	-0.007	-0.18	-0.059892	-0.060655	-0.061418
			118064	+41.208	44.10	-0.010	-0.05	+0.012	-0.01	+0.003	+0.03	+0.409691	+0.409116	+0.408454
			118012	+45.018	44.62	-0.007	+0.15	+0.008	+0.19	+0.008	+0.21	-0.047166	-0.046544	-0.045932
			118037	+57.110	23.28	+0.002	-0.28	-0.002	-0.31	-0.010	-0.30	+0.337497	+0.338260	+0.339052
214	215	216	118051	+21.584	26.43	-0.010	-0.60	-0.010	-0.57	-0.009	-0.50	+0.608997	+0.607760	+0.606525
			98905	+06.928	26.17	-0.001	+0.10	-0.008	+0.16	-0.002	+0.07	+0.149198	+0.149423	+0.149705
			118037	+57.110	23.28	+0.020	+0.96	+0.032	+0.81	+0.022	+0.84	+0.264949	+0.264790	+0.264561
			118022	+20.883	00.42	-0.009	-0.69	-0.000	-0.72	-0.006	-0.56	-0.108939	-0.108003	-0.107128
			118012	+45.018	44.62	-0.001	+0.22	-0.014	+0.32	-0.004	+0.15	+0.085795	+0.086030	+0.086337
217	218		118012	+45.018	44.62	-0.000	+0.28	+0.003	+0.23			-0.023385	-0.023021	
			118022	+20.883	00.42	+0.005	-0.37	-0.000	-0.27			+0.051999	+0.052575	
			118037	+57.110	23.28	-0.010	-0.28	-0.013	-0.29			+0.276349	+0.276045	
			118051	+21.584	26.43	+0.005	+0.08	+0.006	+0.10			+0.474210	+0.473109	
			98883	+37.100	25.58	+0.000	+0.28	+0.004	+0.23			+0.220827	+0.221292	
219	220		98869	+02.882	05.57	+0.015	-0.14	+0.022	-0.24			-0.126067	-0.124785	
			118022	+20.883	00.42	-0.016	+0.04	-0.005	+0.03			+0.053903	+0.054426	
			118012	+45.018	44.62	-0.000	+0.07	-0.013	+0.15			+0.026387	+0.026274	
			118037	+57.110	23.28	+0.006	-0.08	+0.014	-0.16			+0.698310	+0.696641	
			98883	+37.100	25.58	-0.005	+0.11	-0.019	+0.22			+0.347468	+0.347444	
221	222	223	118118	+52.293	07.59	+0.019	+0.07	+0.019	+0.20	+0.013	+0.22	+1.145010	+1.143312	+1.141468
			118089	+45.114	16.89	-0.061	-0.44	-0.046	-0.48	-0.046	-0.57	+0.233138	+0.233648	+0.234211
			118091	+47.183	58.38	+0.058	+0.47	+0.040	+0.42	+0.045	+0.51	-0.206765	-0.205791	-0.204583
			118121	+04.387	15.48	-0.012	-0.18	-0.002	-0.02	-0.011	-0.05	-0.528818	-0.527929	-0.527014
			118135	+37.677	59.43	-0.004	+0.07	-0.012	-0.12	-0.001	-0.11	+0.357434	+0.356761	+0.355917
224	225	226	118090	+46.134	15.27	-0.014	+0.15	-0.011	+0.00	-0.021	+0.07	-0.070531	-0.069273	-0.068058
			118121	+04.387	15.48	-0.005	-0.16	-0.007	-0.06	-0.000	-0.14	-0.089962	-0.090458	-0.090915
			118089	+45.114	16.89	-0.046	-0.32	-0.051	-0.24	-0.045	-0.39	+0.407632	+0.407870	+0.408175
			118091	+47.183	58.38	+0.060	+0.15	+0.062	+0.24	+0.067	+0.32	+0.254061	+0.254596	+0.255146
			118118	+52.293	07.59	+0.004	+0.17	+0.007	+0.06	-0.000	+0.14	+0.498800	+0.497265	+0.495652
227	228	229	118076	+26.614	14.82	-0.022	+0.28	+0.016	+0.34	-0.014	+0.25	+0.444827	+0.444644	+0.444507
			118075	+22.673	22.84	+0.022	-0.22	+0.017	-0.28	+0.015	-0.20	+0.268083	+0.269753	+0.271603
			118092	+53.564	34.73	-0.003	+0.42	+0.004	+0.45	+0.004	+0.40	-0.011445	-0.012771	-0.014466
			118089	+45.114	16.89	-0.059	-0.44	-0.061	-0.33	-0.056	-0.46	+0.120915	+0.119959	+0.118795
			118091	+47.183	58.38	+0.062	-0.04	+0.056	-0.17	+0.051	+0.01	+0.177620	+0.176615	+0.175560
230	231	232	118089	+45.114	16.89	-0.008	-0.04	-0.009	-0.08	-0.009	-0.12	+0.510693	+0.509572	+0.508476
			118090	+46.134	15.27	+0.019	+0.06	+0.026	+0.26	+0.023	+0.36	-0.003437	-0.003894	-0.004341
			118079	+41.481	56.42	+0.005	+0.14	-0.001	-0.09	+0.006	-0.11	-0.034914	-0.034793	-0.034741
			118055	+41.307	27.79	-0.047	-0.38	-0.049	-0.33	-0.057	-0.49	+0.156026	+0.156611	+0.157241
			118042	+13.330	-00.67	+0.031	+0.23	+0.034	+0.25	+0.037	+0.36	+0.371632	+0.372504	+0.373366
233	234	235	118040	+05.381	41.24	-0.001	-0.18	-0.008	+0.01	+0.003	+0.03	+0.287907	+0.288258	+0.288620
			118042	+13.330	-00.67	+0.013	+0.47	+0.028	+0.18	+0.010	+0.13	+0.178328	+0.178978	+0.179552
			118045	+35.798	27.17	+0.015	+0.14	+0.014	+0.26	+0.021	+0.24	+0.006341	+0.007225	+0.008096
			118055	+41.307	27.79	-0.047	-0.74	-0.059	-0.76	-0.059	-0.66	+0.188514	+0.188270	+0.188038
			118076	+26.614	14.82	+0.020	+0.31	+0.025	+0.32	+0.0				

TABLE 2 (CONTINUED)

Observations	No. SAO	Positions Used		Star Residuals						Dependences			
		s	"	s	"	s	"	s	"				
236	237	118045	+35.798	27.17	-0.023	+0.02	-0.027	+0.07			-0.168454	-0.167913	
		118028	+07.408	14.74	+0.025	+0.00	+0.030	-0.03			+0.096614	+0.097924	
		118042	+13.330	-00.67	+0.018	+0.12	+0.022	+0.18			+0.764272	+0.764374	
		118055	+41.307	27.79	-0.053	-0.24	-0.065	-0.34			+0.350273	+0.349823	
238	239	118079	+41.481	56.42	+0.033	+0.10	+0.040	+0.13			-0.042704	-0.044209	
		118042	+13.330	-00.67	-0.004	+0.11	-0.000	+0.11			+0.539000	+0.536328	
		118023	+11.199	38.20	+0.011	+0.05	+0.007	+0.02			+0.328860	+0.329624	
		118018	+03.868	37.62	-0.013	-0.59	-0.013	-0.50			+0.115317	+0.117117	
240	241	118028	+07.408	14.74	+0.004	+0.92	+0.019	+0.81			+0.000347	+0.001391	
		118045	+35.798	27.17	+0.001	-0.48	-0.008	-0.43			+0.016476	+0.015539	
		118121	+04.367	15.48	-0.003	-0.58	-0.003	-0.38	-0.012	-0.43	+0.241786	+0.241950	+0.242172
		118135	+37.677	59.43	+0.012	+0.29	+0.006	+0.24	+0.010	+0.29	+0.766703	+0.764938	+0.762805
243	244	118112	+16.369	39.08	-0.009	+0.34	-0.003	+0.17	+0.002	+0.16	-0.080836	-0.079458	-0.077237
		118124	+22.431	07.24	+0.032	+0.16	+0.016	+0.27	+0.017	+0.36	-0.103771	-0.103243	-0.102496
		113132	+10.750	46.27	-0.032	-0.21	-0.016	-0.29	-0.017	-0.39	+0.176119	+0.175812	+0.175347
		118121	+04.367	15.48	-0.020	-0.21	-0.021	-0.17	-0.005	-0.23	+0.451496	+0.450565	+0.449721
246	247	118112	+16.389	39.08	+0.023	+0.24	+0.024	+0.19	+0.006	+0.26	+0.395009	+0.395594	+0.396120
		118110	+16.389	39.08	+0.008	+0.15	+0.008	+0.24	+0.006	+0.20	+0.288823	+0.288361	+0.287770
		118110	+59.783	-00.82	-0.004	-0.08	-0.005	-0.13	-0.003	-0.12	+0.517393	+0.517819	+0.518366
		118090	+46.134	15.27	-0.004	+0.07	-0.003	-0.05	+0.006	+0.19	+0.050404	+0.049819	+0.049144
249	250	118079	+41.481	56.42	-0.003	-0.24	-0.005	-0.10	-0.014	-0.45	+0.052819	+0.052596	+0.052264
		118045	+35.798	27.17	+0.003	+0.11	+0.004	+0.12	+0.005	+0.18	+0.090560	+0.091405	+0.092456
		118090	+46.134	15.27	-0.001	-0.02	+0.008	+0.21	+0.002	+0.23	+0.525755	+0.524977	+0.524075
		118079	+41.481	56.42	+0.004	-0.01	-0.005	-0.25	+0.002	-0.26	+0.246664	+0.246197	+0.245820
252	253	118073	+17.963	18.32	-0.009	+0.11	-0.016	-0.09	-0.013	-0.12	+0.549792	+0.549677	+0.549599
		118059	+06.315	03.46	+0.011	-0.12	+0.017	+0.10	+0.015	+0.13	+0.207441	+0.207908	+0.208320
		118045	+35.798	27.17	-0.005	+0.04	-0.004	+0.03	-0.005	+0.03	-0.529652	-0.528759	-0.527813
		118076	+26.614	14.82	+0.012	+0.50	+0.003	+0.40	+0.003	+0.41	-0.066736	-0.066517	-0.066145
255	256	118059	+06.315	03.46	-0.009	-0.24	+0.009	-0.30	+0.009	-0.28	-0.109665	-0.108297	-0.106960
		118090	+46.134	15.27	-0.015	-0.61	-0.003	-0.49	-0.004	-0.51	+0.387893	+0.386978	+0.385978
		118084	+21.834	07.16	+0.009	+0.51	+0.015	+0.28	+0.015	+0.34	+0.552127	+0.551364	+0.550490
		118073	+17.963	18.32	+0.003	-0.16	-0.023	+0.11	-0.023	+0.03	+0.236381	+0.236472	+0.236637
257	258	118054	+38.595	06.98	+0.007	-0.61	+0.014	-0.85			+0.134267	+0.134862	
		118059	+06.315	03.46	+0.012	+0.37	-0.001	+0.54			+0.221147	+0.221305	
		118045	+35.798	27.17	-0.009	+0.18	-0.007	+0.24			-0.289997	-0.288878	
		118079	+41.481	56.42	+0.007	-0.22	-0.007	-0.29			+0.420106	+0.418872	
260	261	118073	+17.963	18.32	-0.018	+0.28	-0.012	+0.36			+0.514476	+0.513839	
		118079	+41.481	56.42	+0.016	-0.33	+0.009	-0.48	-0.013	+0.06	+0.191424	+0.191401	+0.191415
		118090	+46.134	15.27	-0.033	+0.24	-0.030	+0.14	-0.026	-0.02	+0.204310	+0.204275	+0.204224
		113076	+26.614	14.82	+0.037	-0.04	+0.041	+0.27	+0.058	-0.03	+0.093942	+0.093954	+0.093931
262	262	118056	+41.830	39.22	-0.028	+0.12	-0.029	-0.04	-0.033	+0.00	+0.105813	+0.105825	+0.105662
		118059	+06.315	03.46	+0.008	+0.02	+0.009	+0.10	+0.015	-0.01	+0.404510	+0.404545	+0.404568
		117963	+49.645	26.54	-0.011	-0.40	-0.001	-0.50	-0.017	-0.43	+0.581547	+0.581712	+0.581590
		117971	+43.433	16.40	+0.020	+0.53	-0.005	+0.65	+0.018	+0.58	+0.377922	+0.377889	+0.377932
266	262	117963	+29.837	55.07	-0.007	+0.16	+0.012	+0.20	+0.015	+0.15	+0.175821	+0.175828	+0.175915
		117987	+16.658	04.60	-0.002	-0.29	-0.007	-0.36	-0.016	-0.30	-0.021310	-0.021433	-0.021320
		117940	+11.619	55.78	+0.000	+0.00	+0.000	+0.00	+0.000	+0.00	-0.114030	-0.113996	-0.114116

## IV. RESULTS

Table 1 gives the computed positions of the 3 asteroids (and of two stars not catalogued) included in the Ephemeridi Malik Planet 1985), as well as residues in time minutes (AR) and arc minutes (DEC), for control. Obviously, for the 6 asteroids not catalogued with running numbers from 52 through 256, residues are not given. Table 2 gives the dependences (in order to facilitate future calculations, in case the precision of positions and/or proper motions of the reference stars is

increased, for this knowledge allows recalculating the asteroid positions without the necessity of measuring again the photographic plates, a task which is sometimes impossible), as well as the number of the reference stars, their positions (in time seconds for right ascension; arc seconds for declination) and residues (in the same units, respectively) between the calculated positions by computational reduction and the catalogued ones, for an estimate of the precision of the employed method.

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