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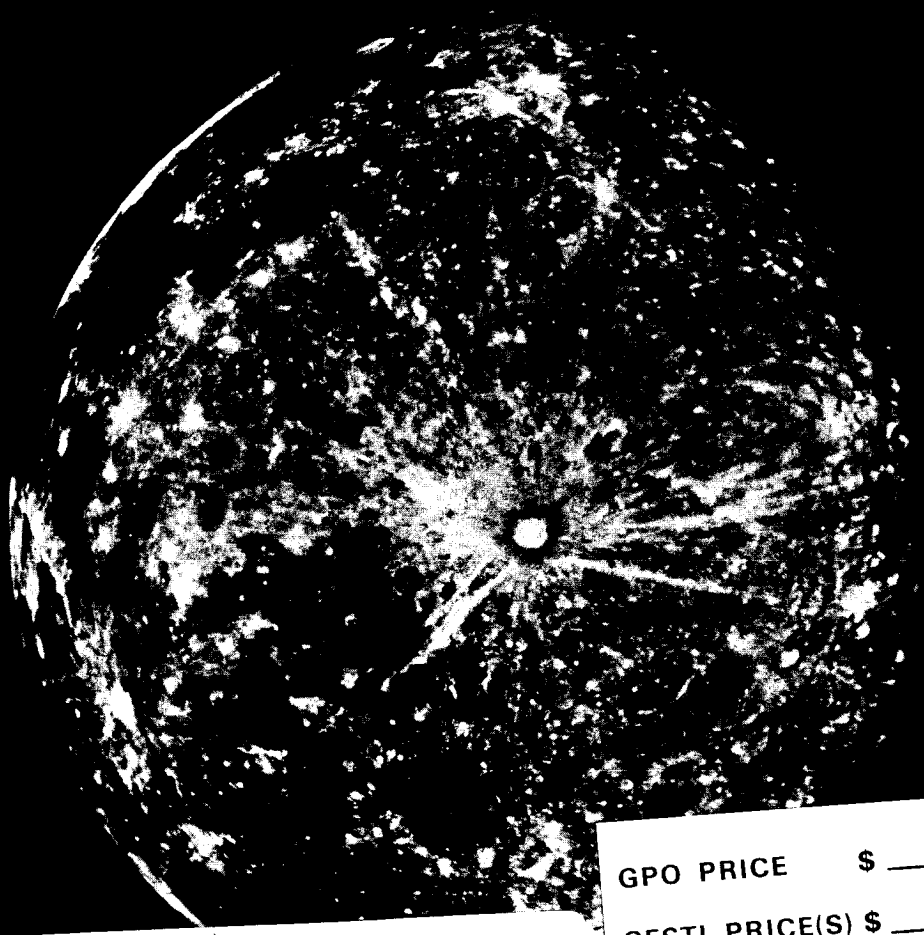

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Communications of the Lunar and Planetary Laboratory

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No. 50 THE SYSTEM OF LUNAR CRATERS, QUADRANT III

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C. A. Wood, and T. Weller

February 25, 1965

13364

ABSTRACT

The designation, diameter, position, central peak information, and state of completeness are listed for each discernible crater with a diameter exceeding 3.5 km in the third lunar quadrant. The catalog contains about 5200 items and is illustrated by a map in 11 sections.

author

This *Communication* is the third part of *The System of Lunar Craters,* which is a catalog in four parts of all craters recognizable with reasonable certainty on photographs and having a diameter greater than 3.5 km. It is thus a continuation of the work in *Comm. LPL* Nos. 30 and 40, and the same conventions and format are used.

As in the earlier parts, it was found necessary to add names for large craters in the extreme limb regions. The new crater names for Quadrant III are:

Baade	German-American astronomer
Boltzmann	Austrian physicist
Drygalski	German geographer
Hartwig	German selenodetist
Krasnov	Russian selenodetic observer
Lamarck	French naturalist
Shaler	American selenologist
Schlüter	German selenodetic observer
Stefan	Austrian physicist
Wright	American astronomer

The name Drygalski was not originated by us but is due to Fauth, who used it in his lunar maps. It has achieved fairly wide acceptance among observers and is therefore retained here. It appears that the craters Hausen, Boltzmann, and Stefan lie on the averted lunar hemisphere, and therefore, these are not listed in the catalog.

The approximate positions and diameters for these craters are:

	Long.	*Lat.*	*Diam. (.001r)*
Hausen	−91°.5	−65°.6	99.5
Boltzmann	−96°.0	−75°.5	39.1
Stefan	−94°.0	−72°.0	78.0

The above are mere additions to the Blagg and Müller scheme. A more notable innovation, which has already been authorized by the International Astronomical Union at its 1964 general meeting at Hamburg, is the addition of the name Mare Cognitum (the known sea) for the dark area between Riphaeus and the crater Guerike. This name commemorates the first successful close-up photography of the lunar surface, achieved by the American Ranger VII vehicle on 31 July 1964. The vehicle impacted in a region for which the existing mare nomenclature was ambiguous, since the older maps did not indicate whether two coalescent small maria fell within the boundaries of Mare Nubium or Oceanus Procellarum. The addition of this new name is therefore fortunate for the cartography as it eliminates the ambiguity in this region. The new name covers both these small maria.

Early in the interpretation, another mare with strong concentric features was found immediately south of the crater Schiller (Hartmann and Kuiper, 1962). This object also deserves a name, but for the present we have left it anonymous.

The crowded nature of much of Quadrant III made it difficult to indicate designations unambiguously on the map. However, by means of arrows and the other conventions listed in the text of *Comm. LPL* Nos. 30 and 40, we have done our best to make the nomenclature clear. Strict attention should be given to these conventions when reading the map if errors of identification are to be avoided.

It is now known (Hartmann and Kuiper, 1962) that Mare Orientale (named by Franz) has a strongly concentric structure, being bounded by parallel scarps. This clarification of the topography has some implications for the nomenclature. Both the names Montes Rook and Montes Cordillera are to be retained as applying to separate but parallel mountain ranges, which are often confused due to the effects of libration and foreshortening. They are, however, quite separate features with considerable distance between them as measured along the lunar surface.

The same new knowledge leads to the deletion of the Franz names Mare Aestatis, Mare Veris, and Mare Autumni. These represent small patches of dark material not worthy of separate names, and two of them fall within the scarps bounding Mare Orientale. It should be noted that the designations Mare Parvum and Mare Hiemis, also due to Franz, have already been deleted in the *Photographic Lunar Atlas* (Kuiper, et al., 1960) and in the *Rectified Lunar Atlas* (Whitaker, et al., 1963).

The nomenclature of *The System of Lunar Craters* was submitted to Commission 16 of the International Astronomical Union at its Twelfth General Meeting in Hamburg, July, 1964. It is with pleasure that we record that our proposals for a revision of Blagg and Müller scheme were approved so that the scheme of names and letters of *The System of Lunar Craters* is also the scheme authorized by the Union.

Acknowledgments. The work reported here was supported by the National Aeronautics and Space Administration under Grant No. NsG 161-61.

REFERENCES

Arthur, D. W. G., Agnieray, A. P., Horvath, R. A., Wood, C. A., and Chapman C. R. 1963, *Comm. LPL, 2,* no. 30.

———. 1964, *Ibid., 3,* no. 40.

Hartmann, W. K. and Kuiper, G. P. 1962, *Comm. LPL, 1,* no. 12, pp. 55–57 and 59.

Kuiper, G. P., Arthur, D. W. G., and Whitaker, E. A. 1960, *Photographic Lunar Atlas* (Chicago: University of Chicago Press).

Whitaker, E. A., Kuiper, G. P., Hartmann, W. K., and Spradley, H. L. 1963, *Rectified Lunar Atlas* (Tucson: University of Arizona Press).

The Catalog

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30000	2951A	Oppolzer A	-.006	-.008	+1.000	-0.3	-0.5	1.95	3.39	1	pM	0
30002	2951	Oppolzer	.008	.027	1.000	0.5	1.5	24.66	42.86	4f	aMC	0
30003		Oppolzer K	.006	.030	1.000	0.3	1.7	1.74	3.02	1	pM	0
30003A			.006	.038	.999	0.3	2.2	2.55	4.43	3	C	0
30004			.009	.044	.999	0.5	2.5	2.78	4.83	2	C	0
30006			.008	.061	.998	0.5	3.5	6.79	11.80	5	C	0
30007			.003	.077	.997	0.2	4.4	2.15	3.74	2	C	0
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30013			.015	.037	.999	0.9	2.1	2.25	3.91	3	C	0
30013A			.018	.034	.999	1.0	1.9	2.84	4.94	4	aMC	0
30015		Réaumur X	.011	.051	.999	0.6	2.9	2.76	4.80	1	C	0
30015A			.012	.057	.998	0.7	3.3	3.91	6.80	5	C	0
30016			.013	.061	.998	0.7	3.5	23.67	41.14	5	C	0
30019	2953	Herschel N	.019	.091	.996	1.1	5.2	8.87	15.42	3	C	0
30022			.020	.026	.999	1.1	1.5	2.15	3.74	3	C	0
30023		Flammarion Z	.025	.039	.999	1.4	2.2	2.23	3.88	2	C	0
30024			.022	.046	.999	1.3	2.6	6.85	11.91	4f	C	0
30025		Flammarion U	.024	.053	.998	1.4	3.0	5.89	10.24	4f	C	0
30025A			.027	.058	.998	1.5	3.3	3.46	6.01	4	C	0
30028			.026	.083	.996	1.5	4.8	3.20	5.56	3	C	0
30035	2945A	Spörer A	.036	.060	.998	2.1	3.4	2.62	4.55	1	C	0
30035A		Flammarion T	.036	.050	.998	2.1	2.9	19.27	33.49	5f	C	0
30036			.031	.060	.998	1.8	3.4	4.95	8.60	3f	C	0
30036A			.033	.068	.997	1.9	3.9	3.96	6.88	4	C	0
30037	2945	Spörer	.031	.075	.997	1.8	4.3	15.80	27.46	3f	C	0
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30039	2944	Herschel	.036	.099	.994	2.1	5.7	23.38	40.64	1	C	pp
30043	2950A	Flammarion A	.043	.034	.998	2.5	1.9	2.18	3.79	1	pMC	0
30043A		Flammarion W	.041	.037	.998	2.4	2.1	3.88	6.74	3	aMC	p
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30051		Mösting L	.059	.012	.998	3.4	0.7	1.91	3.32	1	pM	0
30054		Flammarion X	.052	.050	.997	3.0	2.9	1.56	2.71	1	pMC	0
30056		Flammarion Y	.055	.065	.996	3.2	3.7	1.66	2.89	1	pMC	0
30058	2947	Herschel C	.055	.087	.995	3.2	5.0	5.99	10.41	1	C	0
30058A			.053	.080	.995	3.0	4.6	13.61 7.35	23.66 12.78	4	C	0
30062			.064	.029	.998	3.7	1.7	6.56	11.40	5	C	0
30063	2950C	Flammarion C	.065	.035	.997	3.7	2.0	2.77	4.81	1	pMC	0
30064A			.068	.041	.997	3.9	2.3	25.00	43.45	5f	aMC	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30066	2950	Flammarion	-.065	-.060	+.996	-3.7	-3.4	42.86	74.50	4f	aMC	0
30068		Herschel DA	.069	.088	.994	4.0	5.0	1.98	3.44	1	C	0
30069	2948	Herschel D	.068	.093	.993	3.9	5.3	11.35	19.73	4	C	0
30072	2936	Mösting M	.075	.024	.997	4.3	1.4	18.04	31.36	5f	aMC	0
30077	2950B	Flammarion B	.079	.070	.994	4.5	4.0	3.64	6.33	1	pMC	0
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30085	2950D	Flammarion D	.083	.053	.995	4.8	3.0	2.88	5.01	1	pMC	0
30089			.083	.094	.992	4.8	5.4	10.07 6.52	17.50 11.33	4f	C	0
30094			.099	.049	.994	5.7	2.8	8.17	14.20	5f	C	0
30095	2933	Mösting A	.090	.056	.994	5.2	3.2	7.51	13.05	1	C	0
30095A			.091	.056	.994	5.2	3.2	15.40	26.77	5	C	0
30098			.097	.087	.991	5.6	5.0	10.10	17.56	5f	C	0
30099	2920A	Lalande N	.099	.097	.990	5.7	5.6	3.38	5.87	1	C	0
30099A		Lalande NA	.099	.093	.991	5.7	5.3	3.54	6.15	1	C	0
30099B		Lalande NB	.092	.091	.992	5.3	5.2	2.13	3.70	2	C	0
30101			.004	.114	.993	0.2	6.5	8.52 6.17	14.81 10.72	4f	C	0
30108	2970G	Ptolemaeus S	.008	.183	.983	0.5	10.5	2.11	3.67	1	C	0
30109			.009	.193	.981	0.5	11.1	12.87 9.06	22.37 15.75	4	C	0
30112		Ptolemaeus BA	.016	.128	.992	0.9	7.4	1.53	2.66	1	C	0
30113	2964	Ptolemaeus B	.012	.138	.990	0.7	7.9	8.97 10.76	15.59 18.70	4f	C	0
30114	2963	Ptolemaeus A	.014	.148	.989	0.8	8.5	5.41	9.40	1	C	0
30116		Ptolemaeus SA	.012	.168	.986	0.7	9.7	1.39	2.42	1	C	0
30119			.014	.199	.980	0.8	11.5	5.40	9.39	5	C	0
30121			.026	.117	.993	1.5	6.7	4.21 2.99	7.32 5.20	3	C	0
30121A			.028	.113	.993	1.6	6.5	6.06	10.53	4	C	0
30121B	2970F	Ptolemaeus R	.020	.116	.993	1.2	6.7	3.50 2.99	6.08 5.20	1	C	0
30131			.036	.114	.993	2.1	6.5	3.74	6.50	3	C	0
30132		Ptolemaeus DB	.038	.128	.991	2.2	7.4	1.72	2.99	2	C	0
30136	2962	Ptolemaeus	.031	.161	.986	1.8	9.3	88.13	153.18	3f	C	0
30141	2953A	Herschel G	.041	.113	.993	2.4	6.5	7.92 6.57	13.77 11.42	2	C	0
30143		Ptolemaeus DA	.049	.134	.990	2.8	7.7	1.65	2.87	2	C	0
30144	2966	Ptolemaeus D	.044	.144	.989	2.5	8.3	3.22 2.22	5.60 3.86	2	C	0
30149		Ptolemaeus PB	.042	.192	.980	2.5	11.1	1.76	3.06	2	C	0
30150	2949C	Herschel H	.059	.110	.992	3.4	6.3	2.94	5.11	2	C	0
30150A			.050	.106	.993	2.9	6.1	5.20	9.04	4	C	0
30150B			.059	.102	.993	3.4	5.9	5.99 7.68	10.41 13.35	4	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30151			-.051	-.117	+.992	-2.9	-6.7	2.74 4.98	4.76 8.66	3	C	0
30152			.056	.126	.990	3.2	7.2	2.84	4.94	2	C	0
30156	2970	Ptolemaeus M	.058	.163	.985	3.4	9.4	1.96	3.41	1	C	0
30157	2965	Ptolemaeus C	.056	.175	.983	3.3	10.1	1.53	2.66	1	C	0
30158		Ptolemaeus PA	.053	.189	.981	3.1	10.9	1.58	2.75	1	C	0
30159	2970E	Ptolemaeus P	.054	.197	.979	3.2	11.4	2.47	4.29	2	C	0
30160			.068	.101	.993	3.9	5.8	2.15	3.74	1	C	0
30162	2966A	Ptolemaeus O	.062	.126	.990	3.6	7.2	2.64	4.59	1	C	0
30163			.066	.137	.988	3.8	7.9	2.35	4.08	2	C	0
30165	2970D	Ptolemaeus L	.069	.154	.986	4.0	8.9	2.18	3.79	1	C	0
30168			.064	.183	.981	3.7	10.5	2.97	5.16	2	C	0
30170	2949A	Herschel F	.076	.101	.992	4.4	5.8	3.81	6.62	2	C	0
30171	2949B	Herschel J	.074	.111	.991	4.3	6.4	2.92	5.08	1	C	0
30172			.075	.124	.989	4.3	7.1	2.01	3.49	2	C	0
30174		Ptolemaeus KB	.074	.140	.987	4.3	8.0	4.95	8.60	3	C	0
30175			.077	.150	.986	4.5	8.6	6.83 5.15	11.87 8.95	3f	C	0
30177		Ptolemaeus E	.078	.177	.981	4.5	10.2	18.59	32.31	4	C	0
30182			.087	.120	.989	5.0	6.9	2.15	3.74	2	C	0
30182A			.082	.126	.989	4.7	7.2	4.60 2.25	8.00 3.91	3	C	0
30183			.085	.132	.988	4.9	7.6	4.70	8.17	5	C	0
30184	2970C	Ptolemaeus K	.080	.143	.986	4.6	8.2	5.27	9.16	2	C	0
30184A		Ptolemaeus KA	.086	.148	.985	5.0	8.5	1.96	3.41	2	C	0
30184B			.085	.140	.986	4.9	8.0	17.92	31.15	5	C	0
30186		Ptolemaeus JA	.086	.166	.982	5.0	9.6	2.25	3.91	1	C	0
30187	3010	Davy G	.087	.180	.980	5.1	10.4	8.38	14.57	2	C	0
30188		Davy GA	.087	.186	.979	5.1	10.7	4.03	7.00	2	C	0
30188A			.088	.188	.978	5.1	10.8	2.60	4.52	1	C	0
30189		Davy GB	.088	.195	.977	5.1	11.2	2.47	4.29	1	C	0
30190		Lalande WA	.097	.106	.990	5.6	6.1	1.92	3.34	1	C	0
30191		Ptolemaeus HA	.090	.119	.989	5.2	6.8	3.99	6.94	1	C	0
30191A		Lalande W	.096	.114	.989	5.5	6.5	8.79	15.28	4f	C	0
30192	2970A	Ptolemaeus H	.094	.124	.988	5.4	7.1	4.61 3.76	8.01 6.54	2	C	0
30192A		Ptolemaeus HB	.093	.129	.987	5.4	7.4	3.51	6.10	1	C	0
30193			.096	.132	.987	5.6	7.6	7.49	13.02	4	C	0
30194	3007	Palisa E	.099	.146	.984	5.7	8.4	13.06	22.70	3f	C	0
30196	2970B	Ptolemaeus J	.092	.167	.982	5.4	9.6	2.80	4.87	1	C	0
30197			.099	.173	.980	5.8	10.0	22.81	39.65	5	C	p?
30198		Davy YD	.099	.186	.978	5.8	10.7	2.08	3.62	1	C	0
30199			.097	.193	.976	5.7	11.1	6.99	12.15	4f	C	0
30201		Alphonsus K	.002	.217	.976	0.1	12.5	11.39	19.80	3f	C	0
30202		Alphonsus B	.003	.229	.973	0.2	13.2	13.84	24.06	3	C	p
30206	2992A	Alphonsus H	.008	.269	.963	0.5	15.6	4.46	7.75	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30210			-.010	-.209	+.978	-0.6	-12.1	12.12	21.07	4	C	0
30211		Alphonsus KA	.016	.217	.976	0.9	12.5	2.72	4.73	1	C	0
30212		Alphonsus KB	.013	.221	.975	0.8	12.8	1.86	3.23	1	C	0
30216	2990	Alphonsus D	.014	.260	.966	0.8	15.1	14.17 11.75	24.63 20.42	3f	C	0
30218			.014	.289	.957	0.8	16.8	8.20	14.25	5	C	0
30231		Alphonsus M	.033	.211	.977	1.9	12.2	2.45	4.26	2	C	0
30235	2987	Alphonsus A	.038	.256	.966	2.3	14.8	2.48	4.31	1	C	0
30235A		Alphonsus Y	.031	.253	.967	1.8	14.7	1.80	3.13	1	C	0
30238			.036	.281	.959	2.1	16.3	12.42	21.59	5	C	0
30242		Alphonsus GA	.047	.221	.974	2.8	12.8	1.44	2.50	1	C	0
30242A		Alphonsus GB	.043	.224	.974	2.5	12.9	1.71	2.97	1	C	0
30243A	2986	Alphonsus	.046	.233	.971	2.7	13.5	68.20	118.54	3	aMC	P
30246		Alphonsus J	.042	.261	.964	2.5	15.1	4.71	8.19	2	C	0
30247			.049	.270	.962	2.9	15.7	18.08	31.43	5	C	0
30249	3042	Arzachel B	.049	.293	.955	2.9	17.0	4.40	7.65	1	C	0
30251	2987A	Alphonsus G	.057	.214	.975	3.3	12.4	2.15	3.74	1	C	0
30258		Alpetragius M	.054	.283	.958	3.2	16.4	14.61	25.39	5	C	0
30260		Alphonsus L	.063	.208	.976	3.7	12.0	2.25	3.91	2	C	0
30268		Alpetragius N	.064	.288	.955	3.8	16.7	6.36	11.05	5	C	0
30270			.072	.209	.975	4.2	12.1	3.66	6.36	3	C	0
30271			.074	.212	.974	4.3	12.2	2.78	4.83	3	C	0
30275		Alphonsus X	.074	.258	.963	4.4	15.0	2.79	4.85	2	C	0
30277	3027	Alpetragius	.075	.276	.958	4.5	16.0	22.93	39.86	1	C	P
30283			.083	.238	.968	4.9	13.8	7.74 9.53	13.45 16.56	5	C	0
30284	2989	Alphonsus C	.081	.248	.965	4.8	14.4	1.99	3.46	1	C	0
30296		Alpetragius X	.095	.268	.959	5.7	15.5	18.51	32.17	4f	aMC	0
30308			.003	.386	.922	0.2	22.7	3.05	5.30	2	C	0
30308A			.009	.385	.923	0.6	22.6	4.08	7.09	4	C	0
30309		La Caille AA	.001	.391	.920	0.1	23.0	9.11	15.83	3	C	0
30315		Arzachel M	.014	.352	.936	0.9	20.6	1.81	3.15	2	C	0
30316	3087	Purbach E	.011	.369	.929	0.7	21.7	13.11	22.79	3	C	0
30320	3041	Arzachel A	.024	.309	.951	1.4	18.0	5.57	9.68	2	C	0
30320A		Arzachel T	.021	.303	.953	1.3	17.6	1.80	3.13	1	C	0
30321	3042B	Arzachel K	.026	.314	.949	1.6	18.3	2.48	4.31	1	C	0
30321A			.026	.311	.950	1.6	18.1	2.41	4.19	1	C	0
30327		Purbach DB	.023	.376	.926	1.4	22.1	11.21	19.48	4	C	P
30328	3086	Purbach D	.025	.389	.921	1.6	22.9	7.03	12.22	1	C	0
30328A		Purbach DA	.023	.385	.923	1.4	22.6	8.58	14.91	3	C	0
30331	3042A	Arzachel H	.033	.320	.947	2.0	18.7	2.83	4.92	3	C	0
30331A	3040	Arzachel	.031	.313	.949	1.9	18.2	55.69	96.80	2	C	P
30334	3044	Arzachel D	.034	.345	.938	2.1	20.2	3.81	6.62	4	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30334A		Arzachel N	-.036	-.348	+.937	-2.2	-20.4	1.78	3.09	1	C	0
30337			.033	.375	.926	2.0	22.0	2.04	3.55	2	C	0
30338		Purbach DC	.031	.385	.922	1.9	22.6	2.14	3.72	2	C	0
30346			.041	.366	.930	2.5	21.5	13.52	23.50	5	C	0
30347			.044	.375	.926	2.7	22.0	3.24	5.63	3	C	0
30348		Thebit W	.043	.386	.921	2.7	22.7	5.05	8.78	4	C	0
30348A		Thebit WA	.044	.388	.921	2.7	22.8	3.92	6.81	3	C	0
30356		Thebit CB	.051	.361	.931	3.1	21.2	1.94	3.37	1	C	0
30356A		Thebit CA	.055	.362	.931	3.4	21.2	2.22	3.86	1	C	0
30360	3043	Arzachel C	.061	.300	.952	3.7	17.5	3.41	5.93	1	C	0
30364		Thebit Q	.068	.344	.937	4.2	20.1	8.97	15.59	5	C	0
30366	3070A	Thebit C	.066	.362	.930	4.1	21.2	3.32	5.77	1	C	0
30367	3070	Thebit	.064	.375	.925	4.0	22.0	31.48	54.72	2	C	0
30369		Thebit K	.060	.393	.918	3.7	23.1	2.95	5.13	3	C	0
30370			.070	.309	.948	4.2	18.0	3.45 1.67	6.00 2.90	4	C	0
30371		Arzachel Y	.070	.312	.947	4.2	18.2	2.99	5.20	3	C	0
30372		Arzachel R	.071	.328	.942	4.3	19.1	10.86 9.37	18.88 16.29	5	C	0
30372A			.072	.323	.944	4.4	18.8	5.98 5.00	10.39 8.69	4	C	0
30373			.075	.333	.940	4.6	19.5	3.04 3.63	5.28 6.31	3	C	0
30374		Thebit R	.078	.345	.935	4.8	20.2	4.88	8.48	4	C	0
30376	3071	Thebit A	.079	.368	.926	4.9	21.6	11.71	20.35	1	C	p
30379	3073	Thebit E	.074	.392	.917	4.6	23.1	4.30	7.47	1	C	0
30380		Alpetragius U	.084	.304	.949	5.1	17.7	9.87 6.70	17.16 11.65	5	C	0
30381			.083	.310	.947	5.0	18.1	2.85	4.95	3	C	0
30382			.083	.320	.944	5.0	18.7	3.34	5.81	4	C	0
30383			.082	.339	.937	5.0	19.8	3.43	5.96	4	C	0
30384			.081	.342	.936	4.9	20.0	3.92	6.81	3	aMC	0
30386	3074	Thebit L	.087	.366	.927	5.4	21.5	6.01	10.45	2	pMC	p
30388		Thebit J	.089	.383	.919	5.5	22.5	5.61	9.75	4f	aMC	0
30389	3073A	Thebit F	.085	.391	.916	5.3	23.0	2.36	4.10	1	pMC	0
30390	3031B	Alpetragius J	.094	.309	.946	5.7	18.0	2.53	4.40	1	C	0
30390A		Alpetragius W	.098	.305	.947	5.9	17.8	13.88 22.10	24.13 38.41	4	C	0
30391		Alpetragius V	.095	.311	.946	5.7	18.1	9.68	16.83	3	C	0
30393			.096	.331	.939	5.8	19.3	6.52 5.45	11.33 9.47	4	aMC	0
30394		Thebit U	.095	.347	.933	5.8	20.3	2.09	3.63	1	pM	0
30395		Thebit T	.097	.353	.931	6.0	20.7	1.65	2.87	2	pM	0
30397			.098	.379	.920	6.1	22.3	2.61	4.54	2	pM	0
30400			.000	.407	.913	0.0	24.0	2.53	4.40	2	C	0
30401		Purbach FA	.000	.411	.912	0.0	24.3	8.16	14.18	3	C	p

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30401A			-.004	-.414	+.910	-0.3	-24.5	2.28	3.96	2	C	0
30401B			.005	.413	.911	0.3	24.4	2.45	4.26	2	C	0
30403		Purbach Q	.000	.437	.899	0.0	25.9	2.32	4.03	2	C	0
30405		Purbach V	.005	.450	.893	0.3	26.7	3.34	5.81	3	C	0
30405A			.007	.455	.890	0.5	27.1	3.19	5.54	3	C	0
30407		Regiomontanus R	.000	.475	.880	0.0	28.4	1.80	3.13	2	C	0
30409			.001	.496	.868	0.1	29.7	2.19	3.81	1	C	0
30411	3089A	Purbach T	.014	.417	.909	0.9	24.6	2.83	4.92	1	C	0
30412		Purbach X	.018	.429	.903	1.1	25.4	2.11	3.67	1	C	0
30415			.011	.457	.889	0.7	27.2	2.79	4.85	4	C	0
30415A			.010	.453	.891	0.6	26.9	2.00	3.48	2	C	0
30416	3101	Regiomontanus A	.010	.470	.883	0.6	28.0	3.25	5.65	1	C	0
30417	3100	Regiomontanus	.016	.477	.879	1.0	28.5	72.66 63.22	126.29 109.89	4	C	P
30419			.010	.490	.872	0.7	29.3	2.40	4.17	3	C	0
30420			.023	.405	.914	1.4	23.9	2.33	4.05	3	C	0
30420A			.023	.403	.915	1.4	23.8	2.45	4.26	3	C	0
30424	3083	Purbach A	.030	.440	.897	1.9	26.1	4.39	7.63	1	C	0
30425			.028	.458	.889	1.8	27.3	2.79	4.85	3	C	0
30427		Regiomontanus S	.030	.478	.878	2.0	28.6	2.07	3.60	2	C	0
30427A			.026	.478	.878	1.7	28.6	5.77	10.03	5	C	0
30429		Regiomontanus W	.021	.492	.870	1.4	29.5	1.96	3.41	1	C	0
30429A		Regiomontanus J	.029	.491	.871	1.9	29.4	4.65	8.08	3	C	0
30430			.034	.403	.915	2.1	23.8	3.70	6.43	3	C	0
30430A			.030	.406	.913	1.9	24.0	2.53	4.40	3	C	0
30430B			.030	.403	.915	1.9	23.8	3.96	6.88	3	C	0
30430C			.032	.401	.916	2.0	23.6	2.65	4.61	2	C	0
30430D			.030	.401	.916	1.9	23.6	2.06	3.58	1	C	0
30432			.031	.421	.907	2.0	24.9	9.46	16.44	5	C	0
30433	3082	Purbach	.030	.430	.902	1.9	25.5	67.76	117.78	4	C	p
30433A		Purbach W	.036	.430	.902	2.3	25.5	11.26	19.57	4f	C	0
30435	3083A	Purbach S	.035	.458	.888	2.3	27.3	4.98	8.66	3	C	0
30435A		Purbach U	.031	.453	.891	2.0	26.9	8.32	14.46	4	C	0
30436	3104	Regiomontanus F	.030	.467	.884	1.9	27.8	6.35	11.04	4	C	0
30436A			.032	.460	.887	2.1	27.4	3.70	6.43	3	C	0
30437			.032	.470	.882	2.1	28.0	5.59	9.72	5	C	0
30439		Regiomontanus M	.032	.493	.869	2.1	29.5	2.97	5.16	1	C	0
30439A			.038	.490	.871	2.5	29.3	2.35	4.08	2	C	0
30440		Purbach GA	.044	.410	.911	2.8	24.2	2.02	3.51	1	C	0
30440A	3090	Purbach G	.044	.405	.913	2.8	23.9	15.34	26.66	3	C	0
30442		Purbach Z	.048	.421	.906	3.0	24.9	7.64 4.91	13.28 8.53	5	C	0
30445			.040	.454	.890	2.6	27.0	3.09	5.37	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30445A			-.045	-.459	+.887	-2.9	-27.3	2.73	4.75	1	C	0
30445B			.041	.458	.888	2.6	27.3	2.01	3.49	1	C	0
30446			.043	.466	.884	2.8	27.8	2.11	3.67	2	C	0
30446A		Regiomontanus Z	.046	.461	.886	3.0	27.5	3.19	5.54	2	C	0
30447		Regiomontanus T	.044	.470	.882	2.9	28.0	2.79	4.85	2	C	0
30448			.049	.486	.873	3.2	29.1	3.14	5.46	3	C	0
30448A			.046	.484	.874	3.0	28.9	3.14	5.46	2	C	0
30449			.049	.496	.867	3.2	29.7	3.82	6.64	3f	C	0
30454	3091C	Purbach R	.050	.446	.894	3.2	26.5	2.45	4.26	1	C	0
30454A	3091B	Purbach P	.057	.446	.893	3.7	26.5	2.78	4.83	1	C	0
30455			.052	.459	.887	3.4	27.3	2.04	3.55	3	C	0
30455A			.053	.458	.887	3.4	27.3	3.73	6.48	4	C	0
30455B			.054	.456	.888	3.5	27.1	4.48	7.79	4	C	0
30455C			.057	.454	.889	3.7	27.0	2.65	4.61	2	C	0
30456		Regiomontanus U	.054	.468	.882	3.5	27.9	7.21	12.53	4	C	0
30456A			.059	.468	.882	3.8	27.9	7.24	12.58	5	C	0
30456B			.056	.466	.883	3.6	27.8	5.23 3.40	9.09 5.91	4	C	0
30457	3103B	Regiomontanus G	.055	.473	.879	3.6	28.2	3.06	5.32	2	C	0
30457A			.052	.478	.877	3.4	28.6	4.11	7.14	3	C	0
30457B			.053	.475	.878	3.5	28.4	2.06	3.58	2	C	0
30458	3102	Regiomontanus B	.056	.486	.872	3.7	29.1	5.73	9.96	1	C	0
30459			.058	.498	.865	3.8	29.9	6.34	11.02	5f	C	0
30461	3090A	Purbach O	.060	.419	.906	3.8	24.8	2.93	5.09	1	C	0
30461A			.064	.410	.910	4.0	24.2	4.81	8.36	3	C	p
30461B			.065	.412	.909	4.1	24.3	2.41	4.19	3	C	0
30461C			.062	.414	.908	3.9	24.5	2.01	3.49	2	C	0
30461D			.069	.417	.906	4.4	24.6	2.08	3.62	1	C	0
30462		Purbach KA	.066	.428	.901	4.2	25.3	1.94	3.37	2	C	0
30462A			.068	.428	.901	4.3	25.3	2.26	3.93	3	C	0
30463		Purbach KB	.063	.430	.901	4.0	25.5	4.55	7.91	2	C	0
30465	3084	Purbach B	.066	.453	.889	4.2	26.9	9.31	16.18	1	C	0
30465A			.063	.459	.886	4.1	27.3	2.72	4.73	2	C	0
30466	3094A	Purbach J	.060	.462	.885	3.9	27.5	7.16	12.45	2	C	0
30466A			.067	.463	.884	4.3	27.6	2.01	3.49	2	C	0
30467	3103A	Regiomontanus H	.062	.479	.876	4.1	28.6	3.62	6.29	1	C	0
30467A			.066	.470	.880	4.3	28.0	4.03	7.00	3	C	0
30467B			.061	.471	.880	4.0	28.1	2.26	3.93	1	C	0
30467C			.063	.476	.877	4.1	28.4	3.09	5.37	4	C	0
30469			.063	.493	.868	4.2	29.5	3.93	6.83	3	pMC	0
30472	3092	Purbach K	.072	.425	.902	4.6	25.2	4.78	8.31	1	C	0
30472A	3093	Purbach L	.079	.425	.902	5.0	25.2	9.94	17.28	4	aMC	0
30472B		Purbach M	.070	.420	.905	4.4	24.8	9.48	16.48	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30473			-.075	-.432	+.899	-4.8	-25.6	5.37 4.20	9.33 7.30	4	C	0
30476	3085	Purbach C	.071	.466	.882	4.6	27.8	9.94	17.28	3	C	0
30478	3088	Regiomontanus C	.080	.481	.873	5.2	28.8	4.11	7.14	1	C	0
30478A		Regiomontanus CA	.076	.486	.871	5.0	29.1	2.52	4.38	1	C	0
30480	3074A	Thebit P	.089	.407	.909	5.6	24.0	45.00	78.22	4f	aMC	0
30483	3091	Purbach H	.088	.430	.899	5.6	25.5	16.81 13.30	29.22 23.12	3	C	0
30483A			.085	.437	.895	5.4	25.9	2.37	4.12	2	C	0
30484	3091A	Purbach N	.084	.442	.893	5.4	26.2	4.08	7.09	1	C	0
30484A			.084	.440	.894	5.4	26.1	17.75	30.85	5	C	0
30484B			.083	.448	.890	5.3	26.6	7.75	13.47	5	C	0
30487			.082	.475	.876	5.3	28.4	3.14	5.46	4	C	0
30488			.085	.483	.871	5.6	28.9	4.37	7.60	4	C	0
30488A			.084	.485	.870	5.5	29.0	2.26	3.93	3	C	0
30489			.088	.490	.867	5.8	29.3	3.92	6.81	3	C	0
30495			.096	.459	.883	6.2	27.3	2.74	4.76	3	C	0
30496			.091	.463	.882	5.9	27.6	3.78	6.57	3	C	0
30496A		Purbach NA	.093	.460	.883	6.0	27.4	2.11	3.67	1	C	0
30497	3103	Regiomontanus E	.095	.473	.876	6.2	28.2	3.72	6.47	1	C	0
30498			.091	.486	.869	6.0	29.1	2.16	3.75	2	C	0
30498A			.098	.487	.868	6.4	29.1	3.28	5.70	4	C	0
30500	3104A	Regiomontanus K	.000	.504	.864	0.0	30.3	3.68	6.40	2	C	0
30500A			.002	.500	.866	0.1	30.0	4.19	7.28	3	C	0
30502	3469A	Walter CA	.010	.522	.853	0.7	31.5	3.51	6.10	2	C	0
30502A			.008	.528	.849	0.5	31.9	2.83	4.92	2	C	0
30505	3466B	Walter N	.003	.554	.833	0.2	33.6	3.50	6.08	1	C	0
30505A	3466A	Walter M	.005	.559	.829	0.3	34.0	2.77	4.81	2	C	0
30506			.009	.560	.828	0.6	34.1	2.47	4.29	3	C	0
30507			.004	.575	.818	0.3	35.1	2.86	4.97	2	C	0
30508	3466C	Walter O	.002	.582	.813	0.1	35.6	3.28	5.70	2	C	0
30509	3127	Lexell D	.009	.591	.807	0.6	36.2	11.19	19.45	3	C	0
30509A			.003	.598	.801	0.2	36.7	5.74	9.98	3	C	0
30510			.011	.503	.864	0.7	30.2	6.77	11.77	4	C	P
30511	3469	Walter C	.013	.518	.855	0.9	31.2	7.28	12.65	2	C	0
30511A			.016	.515	.857	1.1	31.0	10.90	18.95	4	C	0
30511B			.017	.519	.855	1.1	31.3	2.27	3.95	2	C	0
30512	3469B	Walter L	.014	.529	.849	0.9	31.9	2.91	5.06	3	C	0
30513			.017	.537	.843	1.2	32.5	2.76	4.80	3	C	0
30514	3471	Walter E	.018	.548	.836	1.2	33.2	7.20	12.51	3f	C	0
30515	3471A	Walter K	.020	.560	.828	1.4	34.1	4.06	7.06	1	C	0
30515A			.019	.551	.834	1.3	33.4	4.40	7.65	4	C	0
30520	3468	Walter B	.022	.507	.862	1.5	30.5	5.74	9.98	3	C	0
30520A		Regiomontanus Y	.024	.502	.865	1.6	30.1	2.66	4.62	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30521			-.022	-.510	+.860	-1.5	-30.7	3.32	5.77	3	c	0
30522			.027	.528	.849	1.8	31.9	6.41	11.14	5	c	0
30523		Walter X	.028	.532	.846	1.9	32.1	6.34	11.02	5	c	0
30526	3471B	Walter J	.022	.566	.824	1.5	34.5	4.00	6.95	1	c	0
30528			.022	.586	.810	1.6	35.9	2.86	4.97	3	c	0
30528A			.024	.584	.811	1.7	35.7	5.62	9.77	4f	c	0
30528B			.026	.583	.812	1.8	35.7	3.34	5.81	4f	c	0
30528C			.028	.580	.814	2.0	35.5	7.17 3.79	12.46 6.59	4f	c	0
30529			.020	.591	.806	1.4	36.2	5.72	9.94	3	c	0
30532			.034	.526	.850	2.3	31.7	5.84	10.15	5	c	0
30534		Walter W	.036	.542	.840	2.5	32.8	19.65	34.15	4	c	0
30535			.033	.556	.831	2.3	33.8	5.42 6.61	9.42 11.49	4	c	0
30535A			.033	.552	.833	2.3	33.5	10.06	17.49	5	c	0
30537			.035	.578	.815	2.5	35.3	7.28	12.65	4f	c	0
30541			.043	.516	.856	2.9	31.1	8.79	15.28	5	c	0
30543			.047	.532	.845	3.2	32.1	2.61	4.54	4	c	0
30544			.044	.542	.839	3.0	32.8	3.95	6.87	5	c	0
30545			.040	.551	.834	2.7	33.4	2.98	5.18	3	c	0
30545A			.046	.554	.831	3.2	33.6	2.20	3.82	2	c	0
30546			.045	.565	.824	3.1	34.4	2.19	3.81	2	c	0
30547			.048	.574	.817	3.4	35.0	2.20	3.82	2	c	0
30549			.040	.596	.802	2.9	36.6	3.98	6.92	3	c	0
30551		Hell HB	.053	.514	.856	3.5	30.9	4.48	7.79	3	c	0
30551A			.054	.516	.855	3.6	31.1	3.53	6.14	3	c	0
30551B			.054	.519	.853	3.6	31.3	2.87	4.99	3	c	0
30552			.055	.521	.852	3.7	31.4	2.92	5.08	3	c	0
30552A		Hell H	.056	.525	.849	3.8	31.7	2.77	4.81	3	c	0
30553	3473	Walter G	.058	.537	.842	3.9	32.5	4.64	8.07	3	c	0
30553A		Walter WA	.051	.539	.841	3.5	32.6	1.89	3.29	2	c	0
30553B			.052	.534	.844	3.5	32.3	2.17	3.77	2	c	0
30553C			.058	.536	.842	3.9	32.4	2.06	3.58	2	c	0
30556			.053	.563	.825	3.7	34.3	3.41	5.93	3	c	0
30557			.052	.576	.816	3.6	35.2	2.32	4.03	2	c	0
30558	3123	Lexell	.059	.584	.810	4.2	35.7	36.13	62.80	4	c	p
30558A			.054	.584	.810	3.8	35.7	3.12	5.42	3	c	0
30558B			.056	.582	.811	3.9	35.6	3.26 2.47	5.67 4.29	3	c	0
30560			.063	.501	.863	4.2	30.1	6.05 4.49	10.52 7.80	3f	c	0
30562	(3473A)	Hell HA	.064	.528	.847	4.3	31.9	2.51	4.36	1	c	0
30564		Hell QA	.064	.544	.837	4.4	33.0	2.54	4.41	1	c	0
30564A	3115	Hell Q	.060	.544	.837	4.1	33.0	2.31	4.02	1	c	0
30564B		Hell QB	.067	.547	.834	4.6	33.2	2.19	3.81	1	c	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30565			-.062	-.552	+.832	-4.3	-33.5	2.02	3.51	2	C	0
30565A			.060	.552	.832	4.1	33.5	2.02	3.51	2	C	0
30565B			.064	.551	.832	4.4	33.4	2.06	3.58	2	C	0
30566			.068	.560	.826	4.7	34.1	6.23	10.83	4	C	0
30566A			.062	.561	.825	4.3	34.1	5.03	8.74	4	C	0
30569	3123E	Lexell H	.067	.595	.801	4.8	36.5	5.67	9.86	1	C	0
30569A			.060	.593	.803	4.3	36.4	2.62	4.55	3	C	0
30570		Hell N	.075	.500	.863	5.0	30.0	2.11	3.67	1	C	0
30570A		Hell L	.070	.509	.858	4.7	30.6	3.22	5.60	3	C	0
30570B		Hell M	.071	.505	.860	4.7	30.3	4.49	7.80	4	C	0
30570C			.070	.506	.860	4.7	30.4	2.96	5.14	3	C	0
30575	3112A	Hell K	.076	.560	.825	5.3	34.1	3.10	5.39	1	C	0
30578			.071	.587	.806	5.0	35.9	3.21	5.58	3	C	0
30579	3123C	Lexell F	.075	.595	.800	5.4	36.5	4.56	7.93	1	C	0
30580	3111	Hell B	.087	.500	.862	5.8	30.0	12.54	21.80	3f	C	0
30581			.082	.512	.855	5.5	30.8	4.43	7.70	4	C	0
30583		Deslandres	.080	.534	.842	5.4	32.3	134.85	234.39	4	C	0
30583A		Hell P	.084	.537	.839	5.7	32.5	2.10	3.65	1	C	0
30586	3116	Hell E	.088	.567	.819	6.1	34.5	5.74	9.98	1	C	0
30588	3123B	Lexell L	.085	.588	.804	6.0	36.0	4.56	7.93	2	C	0
30589	3142	Sasserides D	.089	.598	.797	6.4	36.7	6.04	10.50	2	C	0
30589A			.086	.595	.799	6.1	36.5	4.97	8.64	3	C	0
30589B			.089	.591	.802	6.3	36.2	4.53	7.87	3	C	0
30591			.095	.518	.850	6.4	31.2	3.77	6.55	4	C	0
30594		Hell R	.095	.540	.836	6.5	32.7	1.83	3.18	2	C	0
30595		Hell S	.090	.551	.830	6.2	33.4	2.38	4.14	1	C	0
30596	3112	Hell C	.093	.560	.823	6.4	34.1	8.11	14.10	3	C	0
30596A			.092	.563	.821	6.4	34.3	3.42	5.94	3	C	0
30596B			.092	.561	.823	6.4	34.1	2.08	3.62	1	C	0
30598	3123A	Lexell K	.090	.586	.805	6.4	35.9	6.50	11.30	2	C	0
30599			.093	.597	.797	6.7	36.7	2.37	4.12	3	C	0
30600	3128	Lexell E	.005	.605	.796	0.4	37.2	7.54	13.11	2	C	0
30601	3126	Miller C	.002	.619	.785	0.1	38.2	22.91	39.82	3	C	R
30606			.002	.667	.745	0.2	41.8	3.95	6.87	3	C	0
30606A			.003	.669	.743	0.2	42.0	3.85	6.69	4	C	0
30607			.004	.678	.735	0.3	42.7	3.28	5.70	3	C	0
30607A			.008	.675	.738	0.6	42.5	2.20	3.82	1	C	0
30609	3165	Saussure A	.006	.691	.723	0.5	43.7	10.80	18.77	2	C	0
30609A			.009	.698	.716	0.7	44.3	4.08	7.09	4	C	0
30610	3124	Lexell A	.018	.600	.800	1.3	36.9	19.11	33.22	1	C	p
30610A			.011	.608	.794	0.8	37.4	3.93	6.83	3	C	0
30611			.010	.610	.792	0.7	37.6	2.66	4.62	3	C	0
30612			.018	.629	.777	1.3	39.0	2.48	4.31	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30613	3163	Nasireddin B	-.014	-.635	+.772	-1.0	-39.4	5.79	10.06	2	C	0
30613A			.011	.638	.770	0.8	39.6	3.55	6.17	3	C	0
30613B			.015	.637	.771	1.1	39.6	4.43	7.70	3	C	0
30613C			.019	.631	.776	1.4	39.1	4.23	7.35	3	C	0
30615	3151	Huggins	.019	.656	.755	1.4	41.0	36.40	63.27	3	C	P
30615A			.010	.650	.760	0.8	40.5	2.16	3.75	2	C	0
30619			.012	.694	.720	1.0	43.9	4.44	7.72	3	C	0
30619A			.018	.693	.721	1.4	43.9	4.11	7.14	4	C	0
30622			.022	.626	.780	1.6	38.8	10.35 4.91	17.99 8.53	4	C	0
30622A			.028	.620	.784	2.0	38.3	5.69	9.89	3	C	0
30622B			.026	.623	.782	1.9	38.5	5.16	8.97	3	C	0
30622C			.025	.625	.780	1.8	38.7	3.85	6.69	3	C	0
30623			.024	.630	.776	1.8	39.1	5.66	9.84	3	C	0
30624	3151A	Huggins A	.029	.650	.759	2.2	40.5	6.25	10.86	1	C	0
30626			.022	.664	.747	1.7	41.6	2.86	4.97	3	C	0
30626A			.021	.664	.747	1.6	41.6	2.96	5.14	3	C	0
30627			.020	.675	.738	1.6	42.5	2.66	4.62	3	C	0
30628			.020	.681	.732	1.6	42.9	3.19	5.54	3	C	0
30629			.024	.695	.719	1.9	44.0	3.70	6.43	3	C	0
30629A			.024	.698	.716	1.9	44.3	3.21	5.58	1	C	0
30629B			.024	.692	.721	1.9	43.8	3.29	5.72	1	C	0
30629C			.024	.690	.723	1.9	43.6	2.97	5.16	2	C	0
30629D			.021	.695	.719	1.7	44.0	2.98	5.18	2	C	0
30630			.036	.602	.798	2.6	37.0	15.77 12.46	27.41 21.66	5	C	0
30633	3152A	Orontius A	.034	.630	.776	2.5	39.1	4.03	7.00	1	C	0
30634			.035	.643	.765	2.6	40.0	3.35 4.72	5.82 8.20	2	C	0
30634A			.037	.648	.761	2.8	40.4	4.50	7.82	3	C	0
30634B			.032	.645	.764	2.4	40.2	2.46	4.28	2	C	0
30635			.039	.653	.756	3.0	40.8	3.95	6.87	4	C	0
30636			.031	.668	.744	2.4	41.9	2.00	3.48	1	C	0
30637			.036	.672	.740	2.8	42.2	2.98	5.18	2	C	0
30637A			.035	.678	.734	2.7	42.7	5.76	10.01	3	C	0
30637B			.038	.672	.740	2.9	42.2	2.66	4.62	3	C	0
30639			.031	.696	.717	2.5	44.1	2.27	3.95	2	C	0
30640	3125	Lexell B	.046	.605	.795	3.3	37.2	13.02	22.63	2	C	p
30640A			.040	.609	.792	2.9	37.5	3.53	6.14	3	C	0
30641			.049	.614	.788	3.6	37.9	12.64	21.97	4	C	0
30642			.041	.621	.783	3.0	38.4	5.81	10.10	2	C	0
30642A			.042	.625	.779	3.1	38.7	8.12	14.11	3	C	0
30642B			.044	.624	.780	3.2	38.6	2.62	4.55	2	C	0
30642C			.046	.621	.782	3.4	38.4	3.64	6.33	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30643			-.046	-.639	+.768	-3.4	-39.7	3.36	5.84	2	C	0
30644	3152	Orontius B	.041	.641	.766	3.1	39.9	5.87	10.20	3	C	0
30644A			.042	.649	.760	3.2	40.5	2.96	5.14	3	C	0
30645			.040	.651	.758	3.0	40.6	3.95	6.87	4	C	0
30647			.043	.676	.736	3.3	42.5	2.97	5.16	3	C	0
30648	3164	Saussure	.048	.686	.726	3.8	43.3	31.97	55.57	2	C	0
30648A			.049	.685	.727	3.9	43.2	56.63	98.43	5	C	0
30650			.056	.607	.793	4.0	37.4	2.67	4.64	3	C	0
30650A			.059	.606	.793	4.3	37.3	3.07	5.34	3	C	0
30651	3153	Orontius C	.056	.615	.787	4.1	38.0	8.49	14.76	1	C	0
30652	3154A	Orontius F	.052	.629	.776	3.8	39.0	26.11	45.38	4f	C	0
30652A			.052	.624	.780	3.8	38.6	2.97	5.16	4	C	0
30652B			.059	.624	.779	4.3	38.6	3.17	5.51	3	C	0
30654	3150	Orontius	.051	.647	.761	3.8	40.3	62.54	108.70	4	C	0
30654A			.059	.644	.763	4.4	40.1	2.33	4.05	2	C	0
30656			.059	.660	.749	4.5	41.3	2.16	3.75	3	C	0
30657	3166	Saussure B	.051	.672	.739	3.9	42.2	2.77	4.81	1	C	0
30657A			.056	.674	.737	4.3	42.4	3.26	5.67	3	C	0
30659	3164A	Saussure F	.057	.698	.714	4.6	44.3	2.41	4.19	1	C	0
30659A			.059	.698	.714	4.7	44.3	2.23	3.88	2	C	0
30660	3123D	Lexell G	.068	.605	.793	4.9	37.2	5.55	9.65	2	C	0
30660A			.064	.607	.792	4.6	37.4	3.98	6.92	2	C	0
30660B			.064	.602	.796	4.6	37.0	7.01	12.18	3	C	0
30661			.063	.617	.784	4.6	38.1	2.32	4.03	2	C	0
30661A			.068	.617	.784	5.0	38.1	2.27	3.95	3	C	0
30662			.066	.628	.775	4.9	38.9	2.38	4.14	2	C	0
30662A			.068	.620	.782	5.0	38.3	3.34	5.81	3	C	0
30663	3153A	Orontius E	.064	.636	.769	4.8	39.5	3.67	6.38	2	C	0
30666			.066	.660	.748	5.0	41.3	2.17	3.77	2	C	0
30668			.063	.687	.724	5.0	43.4	2.18	3.79	1	C	0
30672			.077	.629	.774	5.7	39.0	2.50	4.35	2	C	0
30672A			.075	.622	.779	5.5	38.5	10.85	18.86	5	C	0
30675			.078	.658	.749	5.9	41.1	2.78	4.83	3	C	0
30676			.074	.663	.745	5.7	41.5	2.78	4.83	3	C	0
30676A			.074	.665	.743	5.7	41.7	3.21	5.58	2	C	0
30677	3179A	Pictet F	.080	.679	.730	6.3	42.8	6.40	11.12	3	C	0
30678			.074	.687	.723	5.8	43.4	3.10	5.39	3	C	0
30678A			.079	.686	.723	6.2	43.3	2.06	3.58	2	C	0
30680			.080	.606	.791	5.8	37.3	2.66	4.62	3	C	0
30681			.086	.612	.786	6.2	37.7	12.33	21.43	5	C	0
30682			.086	.625	.776	6.3	38.7	3.56	6.19	3	C	0
30682A			.088	.627	.774	6.5	38.8	2.46	4.28	3	C	0
30682B			.082	.628	.774	6.0	38.9	3.26	5.67	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30683	3154	Orontius D	-.083	-.635	+.768	-6.2	-39.4	8.59	14.93	1	C	0
30684	3146	Sasserides L	.088	.643	.761	6.6	40.0	2.98	5.18	1	C	0
30685			.080	.655	.751	6.1	40.9	2.05	3.56	3	C	0
30686			.080	.662	.745	6.1	41.5	3.27	5.68	3	C	0
30686A			.083	.664	.743	6.4	41.6	2.73	4.75	2	C	0
30688			.080	.682	.727	6.3	43.0	2.10	3.65	4	C	0
30690			.093	.602	.793	6.7	37.0	15.77	27.41	5	C	0
30690A			.097	.608	.788	7.0	37.4	2.20	3.82	2	C	0
30690B			.090	.609	.788	6.5	37.5	4.34	7.54	4	C	0
30690C			.094	.609	.788	6.8	37.5	3.26	5.67	3	C	0
30690D			.095	.607	.789	6.9	37.4	3.06	5.32	3	C	0
30691	3144B	Sasserides M	.096	.615	.783	7.0	38.0	6.38	11.09	1	C	0
30691A			.091	.614	.784	6.6	37.9	3.35	5.82	4	C	0
30692	3144A	Sasserides K	.100	.629	.771	7.4	39.0	4.43	7.70	3	C	0
30692A	3144C	Sasserides N	.095	.625	.775	7.0	38.7	3.06	5.32	1	C	0
30693			.099	.635	.766	7.4	39.4	2.77	4.81	2	C	0
30694	3140	Sasserides A	.094	.642	.761	7.0	39.9	25.93	45.07	3	C	0
30697	(3179)	Pictet C	.098	.678	.728	7.7	42.7	3.98	6.92	3	C	0
30697A			.098	.677	.729	7.7	42.6	3.78	6.57	3	C	0
30697B			.097	.673	.733	7.5	42.3	4.25	7.39	4	C	0
30697C			.092	.676	.731	7.2	42.5	17.75	30.85	5	C	0
30698	3176	Pictet	.093	.689	.719	7.4	43.6	35.87	62.35	3	C	?
30699			.095	.699	.709	7.6	44.3	5.62	9.77	4	C	0
30700	3167	Saussure C	.007	.704	.710	0.6	44.7	9.03	15.70	3	C	0
30701	(3167)	Saussure CA	.006	.710	.704	0.5	45.2	9.28	16.13	3	C	pp
30701A			.005	.713	.701	0.4	45.5	3.60	6.26	4	C	0
30701B			.004	.716	.698	0.3	45.7	3.08	5.35	3	C	0
30702			.002	.722	.692	0.2	46.2	2.98	5.18	2	C	0
30702A			.009	.724	.690	0.7	46.4	2.66	4.62	3	C	0
30703			.006	.730	.683	0.5	46.9	3.05	5.30	3	C	0
30703A			.005	.732	.681	0.4	47.1	2.05	3.56	2	C	0
30704			.002	.747	.665	0.2	48.3	2.77	4.81	2	C	0
30705			.003	.750	.661	0.3	48.6	2.14	3.72	3	C	0
30705A			.006	.756	.655	0.5	49.1	3.01	5.23	2	C	0
30705B			.004	.759	.651	0.4	49.4	2.76	4.80	1	C	0
30706	3208C	Maginus EB	.009	.766	.643	0.8	50.0	4.20	7.30	2	C	0
30706A			.009	.760	.650	0.8	49.5	3.88	6.74	2	C	0
30706B			.005	.766	.643	0.4	50.0	3.76	6.54	3	C	0
30707			.000	.770	.638	0.0	50.4	22.70 19.79	39.46 34.40	4	C	0
30707A			.003	.777	.629	0.3	51.0	3.98	6.92	3	C	0
30707B			.002	.771	.637	0.2	50.4	3.67	6.38	2	C	0
30708			.009	.781	.624	0.8	51.4	3.35	5.82	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30708A			-.004	-.782	+.623	-0.4	-51.4	2.48	4.31	1	C	0
30708B			.007	.784	.621	0.6	51.6	5.94	10.32	3	C	0
30709			.009	.792	.610	0.8	52.4	3.39	5.89	2	C	0
30709A			.004	.792	.611	0.4	52.4	4.21	7.32	3	C	0
30709B			.005	.798	.603	0.5	52.9	3.90	6.78	3	C	0
30710			.014	.705	.709	1.1	44.8	2.15	3.74	3	C	0
30711			.012	.712	.702	1.0	45.4	6.06	10.53	5	C	0
30712			.013	.729	.684	1.1	46.8	2.46	4.28	2	C	0
30712A			.012	.727	.687	1.0	46.6	5.53	9.61	3	C	0
30712B			.017	.720	.694	1.4	46.1	6.21	10.79	4	C	?
30713			.010	.730	.683	0.8	46.9	2.56	4.45	3	C	0
30714			.018	.747	.665	1.6	48.3	2.91	5.06	1	C	0
30714A			.010	.743	.669	0.9	48.0	2.46	4.28	3	C	0
30714B			.013	.743	.669	1.1	48.0	3.96	6.88	2	C	0
30714C			.011	.745	.667	0.9	48.2	2.77	4.81	1	C	0
30714D			.016	.741	.671	1.4	47.8	2.96	5.14	2	C	0
30715	3208	Maginus E	.016	.755	.656	1.4	49.0	21.24	36.92	4	C	0
30716			.010	.769	.639	0.9	50.3	3.64	6.33	2	C	0
30716A	3208A	Maginus S	.016	.763	.646	1.4	49.7	7.23	12.57	2	C	0
30716B			.011	.766	.643	1.0	50.0	2.03	3.53	2	C	0
30716C			.015	.766	.643	1.3	50.0	2.41	4.19	1	C	0
30717	3208B	Maginus EA	.012	.779	.627	1.1	51.2	4.96	8.62	3	C	0
30717A			.013	.774	.633	1.2	50.7	4.45	7.73	2	C	0
30717B			.013	.772	.635	1.2	50.5	2.90	5.04	1	C	0
30717C			.010	.776	.631	0.9	50.9	3.82	6.64	2	C	0
30718			.017	.783	.622	1.6	51.5	2.37	4.12	1	C	0
30718A			.018	.789	.614	1.7	52.1	3.07	5.34	3	C	0
30718B			.013	.786	.618	1.2	51.8	3.55	6.17	3	C	0
30719			.010	.790	.613	0.9	52.2	3.83	6.66	3	C	0
30719A			.016	.794	.608	1.5	52.6	2.02	3.51	1	C	0
30719B			.012	.798	.603	1.1	52.9	2.37	4.12	4	C	0
30719C			.010	.792	.610	0.9	52.4	2.52	4.38	2	C	0
30720	3169	Saussure E	.026	.702	.712	2.1	44.6	6.87	11.94	3	C	0
30720A			.024	.704	.710	1.9	44.7	3.91	6.80	4	C	0
30721			.020	.715	.699	1.6	45.6	2.92	5.08	3	C	0
30721A			.020	.719	.695	1.6	46.0	2.01	3.49	2	C	0
30722			.020	.723	.691	1.7	46.3	7.90	13.73	5	C	0
30722A			.026	.723	.690	2.2	46.3	4.93	8.57	5	C	0
30723			.027	.735	.678	2.3	47.3	2.79	4.85	2	C	0
30724	3207	Maginus D	.026	.742	.670	2.2	47.9	22.78	39.60	4	C	0
30724A			.020	.740	.672	1.7	47.7	2.17	3.77	1	C	0
30727	3204A	Maginus Q	.025	.775	.631	2.3	50.8	5.03	8.74	2	C	0
30730			.030	.706	.708	2.4	44.9	2.47	4.29	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30730A			-.030	-.704	+.710	-2.4	-44.7	2.37	4.12	2	C	0
30730B			.039	.706	.707	3.2	44.9	2.96	5.14	3	C	0
30730C			.037	.702	.711	3.0	44.6	5.42	9.42	4	C	0
30731	3213H	Proctor H	.031	.716	.697	2.5	45.7	3.07	5.34	2	C	0
30732			.034	.724	.689	2.8	46.4	2.09	3.63	1	C	0
30732A			.031	.725	.688	2.6	46.5	2.15	3.74	2	C	0
30732B			.031	.727	.686	2.6	46.6	2.39	4.15	2	C	0
30733			.033	.732	.681	2.8	47.1	11.13	19.35	5	C	0
30734			.034	.743	.668	2.9	48.0	3.07	5.34	1	C	0
30734A			.037	.740	.672	3.2	47.7	2.33	4.05	2	C	0
30734B			.032	.748	.663	2.8	48.4	3.82	6.64	2	C	0
30734C			.039	.742	.669	3.3	47.9	2.17	3.77	2	C	0
30734D			.036	.743	.668	3.1	48.0	3.21	5.58	3	C	0
30735			.033	.750	.661	2.9	48.6	4.20	7.30	3	C	0
30735A			.038	.755	.655	3.3	49.0	2.23	3.88	2	C	0
30735B			.034	.754	.656	3.0	48.9	3.05	5.30	2	C	0
30736			.031	.762	.647	2.7	49.6	6.19	10.76	2	C	0
30736A	3206D	Maginus J	.032	.765	.643	2.8	49.9	4.69	8.15	1	C	0
30736B			.031	.767	.641	2.8	50.1	3.85	6.69	3	C	0
30737			.036	.778	.627	3.3	51.1	3.95	6.87	3	C	0
30738			.037	.788	.615	3.4	52.0	3.98	6.92	2	C	0
30738A			.034	.785	.619	3.1	51.7	2.51	4.36	3	C	0
30738B			.035	.786	.617	3.2	51.8	2.66	4.62	3	C	0
30739			.031	.798	.602	2.9	52.9	13.19	22.93	4	C	0
30739A			.038	.791	.611	3.6	52.3	3.70	6.43	3	C	0
30740			.042	.703	.710	3.4	44.7	3.96	6.88	4	C	0
30740A			.041	.706	.707	3.3	44.9	2.33	4.05	3	C	0
30741			.043	.713	.700	3.5	45.5	3.45	6.00	3	C	0
30743	3214	Maginus K	.046	.736	.675	3.9	47.4	17.81	30.96	4	C	0
30743A			.040	.732	.680	3.4	47.1	2.46	4.28	2	C	0
30745			.042	.758	.651	3.7	49.3	2.95	5.13	1	C	0
30745A			.047	.758	.651	4.1	49.3	2.23	3.88	1	C	0
30746	3215B	Maginus Z	.040	.768	.639	3.6	50.2	7.93	13.78	3f	C	0
30747			.041	.776	.629	3.7	50.9	2.27	3.95	1	C	0
30748			.044	.781	.623	4.0	51.4	10.16	17.66	4	C	0
30748A			.041	.784	.619	3.8	51.6	2.71	4.71	2	C	0
30749			.048	.791	.610	4.5	52.3	4.25	7.39	3	C	0
30749A			.042	.794	.606	4.0	52.6	3.85	6.69	3	C	0
30749B			.049	.795	.605	4.6	52.7	3.64	6.33	4	C	0
30750			.053	.703	.709	4.3	44.7	2.03	3.53	2	C	0
30750A			.053	.709	.703	4.3	45.2	12.57	21.85	5	C	0
30751			.058	.713	.699	4.7	45.5	5.97	10.38	2	C	0
30752			.055	.724	.688	4.6	46.4	2.33	4.05	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30752A			-.053	-.728	+.684	-4.4	-46.7	5.03	8.74	3	C	0
30753	3213G	Proctor G	.056	.740	.670	4.8	47.7	3.92	6.81	2	C	0
30753A			.056	.734	.677	4.7	47.2	3.91	6.80	1	C	0
30754			.054	.746	.664	4.7	48.2	3.96	6.88	2	C	0
30754A			.056	.742	.668	4.8	47.9	3.76	6.54	2	C	0
30754B			.054	.743	.667	4.6	48.0	2.96	5.14	2	C	0
30755	3204	Maginus A	.050	.752	.657	4.4	48.8	7.57	13.16	1	C	0
30757			.059	.776	.628	5.4	50.9	2.86	4.97	3	C	0
30759			.053	.796	.603	5.0	52.7	3.93	6.83	3	C	0
30759A			.059	.793	.606	5.6	52.5	2.53	4.40	2	C	0
30759B			.056	.798	.600	5.3	52.9	4.25	7.39	3	C	0
30760			.066	.708	.703	5.4	45.1	2.17	3.77	2	C	0
30761	3213E	Proctor E	.062	.712	.699	5.1	45.4	4.57	7.94	2	C	0
30761A			.069	.716	.695	5.7	45.7	6.45	11.21	3	C	0
30762	3213	Proctor	.061	.724	.687	5.1	46.4	29.94	52.04	3	C	0
30763			.064	.737	.673	5.4	47.5	2.76	4.80	3	C	0
30763A			.068	.739	.670	5.8	47.6	2.96	5.14	3	C	0
30763B			.067	.732	.678	5.6	47.1	2.51	4.36	2	C	0
30763C			.069	.730	.680	5.8	46.9	2.42	4.21	3	C	0
30764	3213F	Proctor F	.061	.740	.670	5.2	47.7	3.87	6.73	2	C	0
30764A			.069	.743	.666	5.9	48.0	2.67	4.64	2	C	0
30764B			.065	.750	.658	5.6	48.6	2.38	4.14	1	C	0
30766	3203	Maginus	.069	.766	.639	6.2	50.0	93.57	162.64	3	C	pp
30766A			.062	.761	.646	5.5	49.6	4.92	8.55	4	C	0
30766B			.065	.763	.643	5.8	49.7	3.95	6.87	4	C	0
30768			.060	.784	.618	5.5	51.6	11.91	20.70	4f	C	0
30768A			.063	.786	.615	5.8	51.8	9.37	16.29	4f	C	0
30769	3205	Maginus B	.066	.792	.607	6.2	52.4	7.06	12.27	2	C	0
30769A			.065	.797	.600	6.2	52.8	2.96	5.14	2	C	0
30769B			.063	.799	.598	6.0	53.0	4.15	7.21	3	C	0
30769C			.062	.797	.601	5.9	52.8	3.75	6.52	3	C	0
30769D			.061	.794	.605	5.8	52.6	2.37	4.12	3	C	0
30771	3213D	Proctor D	.073	.720	.690	6.0	46.1	6.95	12.08	2	C	0
30771A			.078	.712	.698	6.4	45.4	5.23	9.09	4	C	0
30772	3213B	Proctor B	.080	.725	.684	6.7	46.5	4.55	7.91	2	C	0
30772A			.074	.725	.685	6.2	46.5	4.06	7.06	3	C	0
30772B			.072	.728	.682	6.0	46.7	3.00	5.21	3	C	0
30773	3213C	Proctor C	.077	.739	.669	6.6	47.6	3.09	5.37	1	C	0
30774			.071	.745	.663	6.1	48.2	2.43	4.22	2	C	0
30774A			.078	.746	.661	6.7	48.2	2.72	4.73	2	C	0
30775			.075	.752	.655	6.5	48.8	5.32	9.25	4f	C	0
30778			.074	.780	.621	6.8	51.3	2.62	4.55	1	C	0
30778A			.078	.787	.612	7.3	51.9	2.86	4.97	2	C	0
30779	3211A	Maginus T	.075	.791	.607	7.0	52.3	3.45	6.00	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30779A			-.070	-.796	+.601	-6.6	-52.7	4.59	7.98	3	C	0
30779B			.074	.798	.598	7.1	52.9	4.51	7.84	4	C	0
30782			.082	.730	.679	6.9	46.9	3.90	6.78	1	C	0
30782A			.088	.722	.686	7.3	46.2	5.77	10.03	4	C	0
30782B			.080	.723	.686	6.6	46.3	3.26	5.67	3	C	0
30782C			.080	.720	.689	6.6	46.1	2.17	3.77	2	C	0
30783	3213A	Proctor A	.080	.732	.677	6.7	47.1	4.78	8.31	2	C	0
30784			.087	.748	.658	7.5	48.4	3.56	6.19	3	C	0
30785	3214B	Maginus V	.083	.757	.648	7.3	49.2	5.00	8.69	2	C	0
30785A	3214A	Maginus W	.089	.758	.646	7.8	49.3	4.74	8.24	3	C	0
30785B			.085	.753	.653	7.4	48.9	2.03	3.53	1	C	0
30786			.083	.761	.643	7.4	49.6	6.61	11.49	4f	C	0
30787	3206C	Maginus X	.083	.780	.620	7.6	51.3	4.11	7.14	3	C	0
30787A			.082	.771	.632	7.4	50.4	4.25	7.39	4f	C	0
30788			.086	.783	.616	7.9	51.5	3.16	5.49	3	C	0
30788A			.086	.782	.617	7.9	51.4	2.66	4.62	3	C	0
30788B			.088	.789	.608	8.2	52.1	2.27	3.95	3	C	0
30789			.080	.790	.608	7.5	52.2	2.60	4.52	2	C	0
30789A			.084	.793	.603	7.9	52.5	2.71	4.71	2	C	0
30790	3177	Pictet A	.097	.707	.701	7.9	45.0	19.51	33.91	2	C	p
30791			.094	.718	.690	7.8	45.9	13.18	22.91	4	C	p
30791A			.094	.710	.698	7.7	45.2	2.27	3.95	3	C	0
30793	3210A	Maginus U	.096	.736	.670	8.2	47.4	5.11	8.88	2	C	p?
30793A			.090	.737	.670	7.7	47.5	6.48	11.26	4	C	0
30793B			.091	.735	.672	7.7	47.3	4.48	7.79	3	C	0
30794	3210	Maginus G	.090	.743	.663	7.7	48.0	13.05	22.68	2	C	p
30794A			.090	.746	.660	7.8	48.2	3.56	6.19	2	C	0
30795	3209	Maginus F	.094	.753	.651	8.2	48.9	11.27	19.59	1	C	0
30795A			.093	.759	.644	8.2	49.4	8.10	14.08	5f	C	0
30798	3212A	Maginus Y	.098	.786	.610	9.1	51.8	3.92	6.81	1	C	0
30798A			.094	.780	.619	8.6	51.3	4.77	8.29	3	C	0
30800			.008	.800	.600	0.8	53.1	4.03	7.00	3	C	0
30800A			.001	.800	.600	0.1	53.1	9.71	16.88	4	C	0
30801	3219	Deluc A	.004	.810	.586	0.4	54.1	31.92	55.48	4	C	p
30804			.002	.842	.539	0.2	57.4	29.16	50.68	4	C	0
30805			.009	.850	.527	1.0	58.2	2.02	3.51	1	C	0
30808A			.005	.884	.467	0.6	62.1	2.03	3.53	2	C	0
30809			.001	.892	.452	0.1	63.1	3.08	5.35	1	C	0
30809A			.003	.893	.450	0.4	63.3	2.08	3.62	2	C	0
30809B			.003	.894	.448	0.4	63.4	16.43	28.56	4	C	0
30810			.019	.807	.590	1.8	53.8	2.68	4.66	1	C	0
30810A			.014	.800	.600	1.3	53.1	5.14	8.93	3	C	0
30812			.011	.829	.559	1.1	56.0	2.02	3.51	1	C	0
30816			.019	.869	.494	2.2	60.3	2.28	3.96	2	C	0
30817	3225A	Deluc W	.015	.880	.475	1.8	61.6	3.28	5.70	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30817A			-.013	-.878	+.478	-1.6	-61.4	2.19	3.81	1	C	0
30818			.018	.890	.456	2.3	62.9	2.34	4.07	1	C	0
30819			.013	.892	.452	1.6	63.1	2.00	3.48	2	C	0
30821			.028	.819	.573	2.8	55.0	2.24	3.89	1	C	0
30821A	3226	Deluc H	.021	.810	.586	2.1	54.1	15.06	26.18	2	C	p
30821B	3218	Deluc	.028	.819	.573	2.8	55.0	26.98	46.90	2	C	p
30821C			.022	.817	.576	2.2	54.8	3.75	6.52	1	C	0
30822	3222A	Deluc T	.030	.828	.560	3.1	55.9	5.97	10.38	2	C	0
30823	3222	Deluc D	.023	.832	.554	2.4	56.3	15.41	26.78	2	C	p
30825	3224D	Deluc U	.026	.857	.515	2.9	59.0	2.98	5.18	1	C	0
30825A			.021	.857	.515	2.3	59.0	2.44	4.24	1	C	0
30825B			.022	.850	.526	2.4	58.2	9.89	17.19	5	C	0
30825C			.026	.853	.521	2.9	58.5	3.85	6.69	4	C	0
30826	3224	Deluc F	.027	.866	.499	3.1	60.0	21.76	37.82	3f	C	0
30826A			.023	.869	.494	2.7	60.3	2.09	3.63	2	C	0
30827			.027	.875	.483	3.2	61.0	2.30	4.00	2	C	0
30828			.025	.882	.471	3.0	61.9	2.24	3.89	1	C	0
30829	3271A	Cysatus F	.027	.898	.439	3.5	63.9	2.99	5.20	1	C	0
30835A			.037	.859	.511	4.1	59.2	4.72	8.20	1	C	0
30835B	3224C	Deluc Q	.031	.857	.514	3.4	59.0	4.57	7.94	2	C	0
30835C			.031	.858	.513	3.5	59.1	2.60	4.52	1	C	0
30835D			.035	.852	.522	3.8	58.4	13.34	23.19	4f	C	0
30835E			.039	.856	.516	4.3	58.9	3.88	6.74	2	C	0
30835F	(3224A)		.039	.857	.514	4.3	59.0	3.98	6.92	2	C	0
30836	3223	Deluc E	.037	.869	.493	4.3	60.3	6.61	11.49	1	C	0
30837			.030	.870	.492	3.5	60.5	2.86	4.97	1	C	0
30838	3224B	Deluc O	.035	.889	.457	4.4	62.7	3.80	6.60	1	C	0
30838A			.034	.884	.466	4.2	62.1	9.04	15.71	4f	C	0
30839			.034	.891	.453	4.3	63.0	2.83	4.92	1	C	0
30839A			.035	.893	.449	4.5	63.3	2.48	4.31	1	C	0
30839B			.037	.893	.449	4.7	63.3	2.83	4.92	2	C	0
30840	3227	Deluc J	.043	.802	.596	4.1	53.3	19.03	33.08	4f	C	0
30841			.044	.817	.575	4.4	54.8	2.83	4.92	3	C	0
30841A			.045	.817	.575	4.5	54.8	23.22	40.36	5	C	0
30843			.047	.836	.547	4.9	56.7	13.45	23.38	4	C	0
30845		Deluc P	.043	.856	.515	4.8	58.9	4.18	7.27	2	C	0
30847			.043	.877	.479	5.1	61.3	2.94	5.11	1	C	0
30847A			.046	.871	.489	5.4	60.6	2.10	3.65	1	C	0
30847B			.046	.874	.484	5.4	60.9	2.90	5.04	2	C	0
30847C			.046	.874	.484	5.4	60.9	2.08	3.62	2	C	0
30849	3265B	Gruemberger F	.050	.890	.453	6.3	62.9	3.87	6.73	1	C	0
30849A			.046	.891	.452	5.8	63.0	2.30	4.00	1	C	0
30850			.057	.801	.596	5.5	53.2	4.05	7.04	4	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30851			-.052	-.811	+.583	-5.1	-54.2	2.87	4.99	2	C	0
30853			.058	.837	.544	6.1	56.8	2.24	3.89	1	C	0
30854			.058	.849	.525	6.3	58.1	7.12	12.38	4	C	0
30855			.054	.857	.512	6.0	59.0	9.53	16.56	4	C	0
30856			.058	.865	.498	6.6	59.9	20.06	34.87	4	C	0
30857	3223A	Deluc L	.053	.873	.485	6.2	60.8	4.31	7.49	1	C	0
30859	3265A	Gruemberger E	.055	.896	.441	7.1	63.6	4.97	8.64	1	C	0
30859A			.059	.896	.440	7.6	63.6	2.54	4.41	1	C	0
30860			.060	.800	.597	5.7	53.1	2.83	4.92	3	C	0
30860A			.063	.805	.590	6.1	53.6	15.99	27.79	5	C	0
30861	3229	Deluc M	.062	.818	.572	6.2	54.9	10.80	18.77	3f	C	0
30861A			.065	.810	.583	6.4	54.1	11.13	19.35	5	C	0
30862			.065	.825	.561	6.6	55.6	10.88	18.91	4f	C	0
30862A			.067	.829	.555	6.9	56.0	3.50	6.08	3	C	0
30863			.067	.830	.554	6.9	56.1	4.90	8.52	3	C	0
30863A			.068	.836	.544	7.1	56.7	2.37	4.12	1	C	0
30863B			.069	.834	.547	7.2	56.5	4.53	7.87	4	C	0
30865			.060	.850	.523	6.5	58.2	2.43	4.22	1	C	0
30866			.066	.870	.489	7.7	60.5	2.97	5.16	1	C	0
30866A			.062	.861	.505	7.0	59.4	2.09	3.63	1	C	0
30868	3233E	Rutherfurd E	.066	.889	.453	8.3	62.7	5.01	8.71	2	C	0
30869	3233D	Rutherfurd D	.069	.893	.445	8.8	63.3	5.02	8.73	1	C	0
30869A			.060	.890	.452	7.6	62.9	2.93	5.09	2	C	0
30871			.077	.818	.570	7.7	54.9	4.37	7.60	4	C	0
30872			.077	.821	.566	7.8	55.2	7.55	13.12	4f	C	0
30873	3239	Clavius P	.071	.839	.539	7.5	57.0	8.29	14.41	2	C	0
30873A			.079	.831	.551	8.2	56.2	3.28	5.70	3	C	0
30876			.070	.860	.505	7.9	59.3	3.90	6.78	1	C	0
30876A			.074	.864	.498	8.5	59.8	3.95	6.87	1	C	0
30876B			.078	.866	.494	9.0	60.0	7.57	13.16	2	C	0
30878			.070	.880	.470	8.5	61.6	3.04	5.28	1	C	0
30879			.071	.896	.438	9.2	63.6	2.51	4.36	2	C	0
30879A			.077	.895	.439	9.9	63.5	17.85	31.03	4f	C	0
30879B			.079	.891	.447	10.0	63.0	3.26	5.67	2	C	0
30880			.081	.805	.588	7.8	53.6	4.76	8.27	4f	C	0
30880A			.084	.803	.590	8.1	53.4	6.46	11.23	4f	C	0
30881	3234B	Clavius BB	.086	.814	.574	8.5	54.5	6.86	11.92	1	C	0
30881A			.084	.818	.569	8.4	54.9	3.40	5.91	3	C	0
30882			.088	.824	.560	8.9	55.5	2.34	4.07	3	C	0
30886			.081	.863	.499	9.2	59.7	3.10	5.39	2	C	0
30886A			.086	.864	.496	9.8	59.8	2.80	4.87	2	C	0
30886B			.086	.865	.494	9.9	59.9	2.25	3.91	2	C	0
30887			.081	.876	.475	9.7	61.2	8.23	14.30	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30887A			-.081	-.871	+.485	-9.5	-60.6	2.54	4.41	1	C	0
30888	3233C	Rutherfurd C	.086	.887	.454	10.7	62.5	7.75	13.47	2	C	0
30888A			.086	.889	.450	10.8	62.7	2.99	5.20	1	C	0
30890			.092	.800	.593	8.8	53.1	5.40	9.39	4f	C	0
30891			.092	.811	.578	9.0	54.2	3.00	5.21	3	C	0
30893	3234	Clavius B	.098	.830	.549	10.1	56.1	29.71	51.64	2	C	P
30898	3233A	Rutherfurd A	.096	.886	.454	11.9	62.4	5.89	10.24	1	C	0
30898A	3233B	Rutherfurd B	.091	.888	.451	11.4	62.6	3.31	5.75	1	C	0
30899			.094	.894	.438	12.1	63.4	21.06	36.61	4f	C	0
30900	3268	Cysatus A	.006	.900	.436	0.8	64.2	8.06	14.01	1	C	0
30900A			.005	.907	.421	0.7	65.1	2.28	3.96	3	C	0
30901	3272A	Cysatus G	.002	.912	.410	0.3	65.8	3.59	6.24	2	C	0
30901A	3272	Cysatus E	.009	.918	.396	1.3	66.6	27.50	47.80	3	C	0
30901B			.001	.910	.415	0.1	65.5	5.81	10.10	4	C	0
30907			.005	.970	.243	1.2	75.9	3.14	5.46	1	C	0
30907A	3313	Short A	.002	.974	.227	0.5	76.9	22.13	38.47	3	C	0
30908	3324	Malapert B	.008	.982	.189	2.4	79.1	24.13	41.94	3	C	0
30908A			.009	.989	.148	3.5	81.5	21.66	37.65	3	C	?
30909			.009	.991	.134	3.9	82.3	20.23	35.16	3	C	0
30909A			.008	.995	.100	4.6	84.3	9.40	16.34	3	C	?
30909B			.007	.998	.063	6.4	86.4	27.86	48.42	3	C	?
30910			.010	.909	.417	1.4	65.4	13.93	24.21	4	C	0
30910A			.015	.906	.423	2.0	65.0	2.96	5.14	3	C	0
30910B			.010	.908	.419	1.4	65.2	3.55	6.17	3	C	0
30911	3269	Cysatus B	.013	.911	.412	1.8	65.6	4.48	7.79	1	C	0
30911A			.011	.920	.392	1.6	66.9	(2.74)	(4.76)	2	C	0
30912			.014	.923	.385	2.1	67.4	5.63	9.79	3	C	0
30916			.019	.969	.246	4.4	75.7	5.73	9.96	1	C	0
30917			.012	.979	.204	3.4	78.2	5.58	9.70	2	C	0
30917A			.016	.973	.230	4.0	76.7	5.05	8.78	3	C	0
30917B			.015	.976	.217	3.9	77.4	4.49	7.80	3	C	0
30917C			.011	.974	.226	2.8	76.9	40.06	69.63	5	C	0
30918	3323	Malapert A	.010	.986	.166	3.4	80.4	17.44	30.31	3	C	0
30918A			.018	.987	.160	6.4	80.8	2.22	3.86	2	C	0
30919			.018	.993	.117	8.8	83.2	14.68	25.52	3	C	0
30920			.027	.903	.429	3.6	64.6	2.09	3.63	2	C	0
30920A			.026	.907	.420	3.5	65.1	2.76	4.80	1	C	0
30920B			.029	.908	.418	4.0	65.2	2.96	5.14	2	C	0
30922			.020	.926	.377	3.0	67.8	6.59	11.45	2	C	0
30922A			.027	.923	.384	4.0	67.4	7.08	12.31	3	C	0
30922B			.022	.921	.389	3.2	67.1	6.54	11.37	3	C	0
30925			.020	.957	.289	4.0	73.1	15.40	26.77	4	C	?
30926	3314	Short B	.022	.968	.250	5.0	75.5	40.77	70.86	4	C	?

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30926A			-.023	-.969	+.246	-5.3	-75.7	3.84	6.67	2	C	0
30927			.022	.976	.217	5.8	77.4	2.67	4.64	2	C	0
30927A			.022	.979	.203	6.2	78.2	2.76	4.80	2	C	0
30927B			.029	.974	.225	7.4	76.9	4.77	8.29	3	C	0
30928			.022	.988	.153	8.2	81.1	5.17	8.99	1	C	0
30928A			.023	.981	.193	6.8	78.8	5.18	9.00	3	C	0
30928B			.023	.982	.187	7.0	79.1	4.94	8.59	2	C	0
30929			.024	.995	.097	13.9	84.3	2.74	4.76	2	C	0
30930			.030	.902	.431	4.0	64.4	2.19	3.81	3	C	0
30930A			.036	.907	.420	4.9	65.1	2.05	3.56	2	C	0
30930B			.038	.906	.422	5.2	65.0	2.38	4.14	3	C	0
30932			.038	.920	.390	5.6	66.9	21.15	36.76	4	C	?
30932A			.036	.925	.378	5.4	67.7	2.95	5.13	2	C	0
30932B			.039	.926	.376	5.9	67.8	2.95	5.13	2	C	0
30933			.039	.932	.360	6.2	68.7	4.83 6.92	8.40 12.03	3	C	0
30934A	3275	Moretus	.032	.943	.331	5.5	70.6	65.83	114.42	2	C	P
30936	3312	Short	.034	.964	.264	7.3	74.6	40.71	70.76	2	C	p
30936B			.032	.962	.271	6.7	74.2	4.14	7.20	2	C	0
30937			.036	.971	.236	8.7	76.2	4.57	7.94	1	C	0
30937A			.037	.976	.215	9.8	77.4	3.96	6.88	2	C	0
30938			.034	.989	.144	13.3	81.5	5.38	9.35	2	C	0
30938A			.035	.982	.186	10.7	79.1	8.43	14.65	3	C	0
30938B			.030	.987	.158	10.8	80.8	4.71	8.19	2	C	0
30939			.037	.994	.103	19.8	83.7	12.03	20.91	2	C	0
30940	3271	Cysatus D	.044	.906	.421	6.0	65.0	2.85	4.95	1	C	0
30940A			.040	.908	.417	5.5	65.2	2.95	5.13	1	C	0
30940B			.049	.902	.429	6.5	64.4	2.28	3.96	1	C	0
30940C			.044	.905	.423	5.9	64.8	2.10	3.65	2	C	0
30941	3267	Cysatus	.043	.914	.403	6.1	66.1	28.08	48.81	2	C	p
30942			.043	.926	.375	6.5	67.8	5.61	9.75	2	C	0
30946			.048	.968	.246	11.0	75.5	2.17	3.77	2	C	0
30947			.042	.970	.239	9.9	75.9	2.22	3.86	1	C	0
30947A			.043	.978	.204	11.9	78.0	33.50	58.23	4	C	?
30947B			.045	.970	.239	10.7	75.9	2.37	4.12	2	C	0
30948	3308	Newton B	.041	.988	.149	15.4	81.1	25.47	44.27	3f	C	0
30948A			.044	.985	.167	14.8	80.1	51.52	89.55	4	C	?
30948B			.042	.983	.179	13.2	79.4	6.26	10.88	2	C	0
30948C			.041	.981	.190	12.2	78.8	2.67	4.64	1	C	0
30949			.048	.994	.098	26.0	83.7	8.35	14.51	3	C	?
30950			.053	.901	.431	7.0	64.3	10.49	18.23	3	C	0
30950A			.059	.905	.421	8.0	64.8	2.64	4.59	1	C	0
30950B			.054	.907	.418	7.4	65.1	2.47	4.29	3	C	0
30950C			.050	.908	.416	6.9	65.2	2.07	3.60	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30951			-.057	-.918	+.392	-8.3	-66.6	2.75	4.78	2	C	0
30954			.058	.949	.310	10.6	71.6	2.07	3.60	2	C	0
30955	3278	Moretus C	.058	.954	.294	11.2	72.6	9.69	16.84	2	C	0
30957			.059	.973	.223	14.8	76.7	2.97	5.16	2	C	0
30958			.055	.988	.144	20.9	81.1	6.35	11.04	2	C	0
30958A			.050	.982	.182	15.4	79.1	2.15	3.74	1	C	0
30959	3319	Cabeus	.052	.996	.073	35.6	84.9	56.61	98.40	2	C	p?
30960			.065	.902	.427	8.7	64.4	2.98	5.18	1	C	0
30960A			.060	.909	.412	8.3	65.4	2.61	4.54	2	C	0
30960B			.061	.906	.419	8.3	65.0	2.95	5.13	3	C	0
30960C	3265	Gruemberger B	.067	.903	.424	9.0	64.6	17.91	31.13	3	C	0
30962	3263	Gruemberger	.068	.920	.386	10.0	66.9	53.84	93.58	3	C	0
30966	3309	Newton C	.065	.965	.254	14.4	74.8	20.26	35.21	3	C	0
30966A			.060	.968	.244	13.8	75.5	7.84	13.63	4	C	0
30966B			.068	.960	.272	14.1	73.7	2.80	4.87	2	C	0
30966C			.060	.963	.263	12.9	74.4	2.91	5.06	2	C	0
30967			.062	.970	.235	14.8	75.9	21.46	37.30	2	C	0
30967A			.064	.979	.194	18.3	78.2	38.69	67.25	4f	C	0
30967B	(3306)	Newton	.067	.973	.221	16.9	76.7	51.03 36.64	88.70 63.69	3f	C	0
30968	3307	Newton A	.060	.984	.168	19.7	79.7	36.56	63.55	3f	C	0
30968A			.069	.989	.131	27.8	81.5	4.85	8.43	2	C	0
30968B			.069	.981	.181	20.8	78.8	2.89	5.02	1	C	0
30970			.073	.908	.413	10.0	65.2	3.85	6.69	3	C	0
30971			.070	.915	.397	10.0	66.2	2.39	4.15	2	C	0
30972	3264	Gruemberger A	.079	.922	.379	11.8	67.2	11.48	19.95	2	C	0
30972A			.079	.927	.367	12.2	68.0	2.45	4.26	3	C	0
30973			.073	.936	.344	12.0	69.4	3.16	5.49	3	C	0
30973A			.075	.934	.349	12.1	69.1	2.08	3.62	1	C	0
30973B			.077	.935	.346	12.5	69.2	20.66	35.91	4	C	0
30973C			.070	.931	.358	11.1	68.6	8.27	14.37	4	C	0
30974			.076	.945	.318	13.4	70.9	2.94	5.11	2	C	0
30975			.075	.956	.284	14.8	72.9	3.94	6.85	1	C	0
30975A			.071	.959	.274	14.5	73.5	2.50	4.35	2	C	0
30975B			.076	.958	.277	15.4	73.3	2.75	4.78	2	C	0
30975C			.073	.950	.304	13.5	71.8	4.02	6.99	3	C	0
30976			.075	.965	.251	16.6	74.8	2.90	5.04	1	C	0
30976A			.077	.960	.269	16.0	73.7	3.23	5.61	1	C	0
30976B			.070	.963	.260	15.1	74.4	3.08	5.35	2	C	0
30978			.075	.980	.184	22.1	78.5	2.57	4.47	2	C	0
30978A			.079	.985	.153	27.2	80.1	3.90	6.78	2	C	0
30978B			.072	.985	.157	24.7	80.1	3.99	6.94	2	C	0
30979			.078	.994	.077	45.5	83.7	8.83	15.35	2	C	0
30980			.088	.903	.421	11.8	64.6	2.70	4.69	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
30980A			-.088	-.904	+.418	-11.9	-64.7	2.50	4.35	2	C	0
30981			.084	.910	.406	11.7	65.5	2.12	3.68	1	C	0
30984	3276	Moretus A	.080	.942	.326	13.8	70.4	18.11	31.48	3	C	0
30984A			.080	.946	.314	14.3	71.1	2.97	5.16	2	C	0
30984B			.088	.944	.318	15.5	70.7	3.27	5.68	1	C	0
30985	3309A	Newton F	.085	.952	.294	16.1	72.2	4.00	6.95	3	C	0
30985A			.082	.954	.288	15.9	72.6	3.36	5.84	3	C	0
30988			.085	.983	.163	27.6	79.4	2.67	4.64	2	C	0
30988A			.083	.982	.170	26.1	79.1	2.67	4.64	2	C	0
30988B			.082	.981	.176	25.0	78.8	2.87	4.99	2	C	0
30989	3321	Cabeus A	.086	.990	.112	37.6	81.9	27.78	48.29	2	C	0
30989A			.080	.996	.040	63.5	84.9	7.50	13.04	2	C	0
30990			.094	.906	.413	12.8	65.0	9.50	16.51	5	C	0
30991			.090	.911	.402	12.6	65.6	4.04	7.02	2	C	0
30991A			.096	.912	.399	13.5	65.8	4.00	6.95	2	C	0
30991B			.099	.911	.400	13.9	65.6	4.30	7.47	2	C	0
30991C			.097	.919	.382	14.2	66.8	4.84	8.41	3	C	0
30992	3264A	Gruemberger D	.093	.928	.361	14.5	68.1	2.98	5.18	1	C	0
30993			.099	.934	.343	16.1	69.1	25.49	44.31	5	C	0
30993A			.092	.939	.331	15.5	69.9	3.18	5.53	2	C	0
30993B			.094	.938	.334	15.7	69.7	3.28	5.70	2	C	0
30994			.093	.943	.320	16.2	70.6	6.89	11.98	2	C	0
30995			.094	.952	.291	17.9	72.2	13.43	23.34	5	C	0
30995A			.096	.955	.281	18.9	72.7	3.76	6.54	1	C	0
30995B			.099	.957	.273	20.0	73.1	21.52	37.40	5	C	0
30996			.094	.960	.264	19.6	73.7	5.23	9.09	1	C	0
30996A			.094	.967	.237	21.7	75.2	4.80	8.34	2	C	0
30996B			.099	.960	.262	20.7	73.7	2.99	5.20	1	C	0
30997			.097	.979	.179	28.4	78.2	11.14	19.36	3	C	0
30998			.098	.988	.119	39.4	81.1	10.17	17.68	2	C	0
30998A			.095	.985	.144	33.4	80.1	5.60	9.73	3	C	0
31001	2932	Mösting	.101	.012	.995	5.9	0.7	15.24	26.49	2	pM	p
31006			.100	.066	.993	5.8	3.8	2.08	3.62	2	C	0
31007			.109	.078	.991	6.3	4.5	12.65	21.99	5f	C	0
31015		Mösting U	.114	.055	.992	6.6	3.2	10.40	18.08	4f	aMC	0
31015A			.114	.051	.992	6.6	2.9	5.84	10.15	4f	aMC	0
31018			.110	.086	.990	6.3	4.9	4.85	8.43	5	C	0
31019	2920	Lalande C	.119	.097	.988	6.9	5.6	6.12	10.64	1	C	0
31021		Mösting K	.128	.013	.992	7.4	0.7	1.90	3.30	1	pM	0
31023			.120	.038	.992	6.9	2.2	73.49	127.74	5f	aMC	0
31024	2934	Mösting B	.128	.047	.991	7.4	2.7	4.13	7.18	1	pM	0
31025		Mösting BA	.128	.052	.990	7.4	3.0	2.67	4.64	1	pM	0
31026			.120	.067	.991	6.9	3.8	24.48	42.55	5f	aMC	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31028		Lalande R	-.121	-.082	+.989	-7.0	-4.7	13.98	24.30	3f	C	0
31028A			.128	.086	.988	7.4	4.9	2.99	5.20	2	C	0
31037			.135	.073	.988	7.8	4.2	11.22	19.50	5f	aMC	0
31039		Lalande T	.130	.090	.987	7.5	5.2	2.60	4.52	1	C	0
31039A		Lalande DA	.132	.099	.986	7.6	5.7	2.87	4.99	1	C	0
31039B			.134	.096	.986	7.7	5.5	8.52	14.81	4f	C	0
31043	2935	Mösting C	.140	.031	.990	8.1	1.8	2.21	3.84	1	pM	0
31045		Lalande U	.141	.055	.988	8.1	3.2	2.18	3.79	2	pMC	0
31047	2917	Lalande	.149	.078	.986	8.6	4.5	13.88	24.13	1	C	p
31048			.144	.082	.986	8.3	4.7	8.08	14.04	5	C	0
31049			.145	.090	.985	8.4	5.2	9.68	16.83	5f	aMC	0
31055	2919	Lalande B	.156	.054	.986	9.0	3.1	4.73	8.22	1	pM	0
31058			.155	.086	.984	9.0	4.9	7.92	13.77	5	aMC	0
31060			.164	.005	.986	9.4	0.3	32.34	56.21	5f	aMC	0
31074		Lalande F	.174	.046	.984	10.0	2.6	1.83	3.18	1	pM	0
31081		Turner B	.184	.017	.983	10.6	1.0	2.72	4.73	1	pM	0
31086		Lalande E	.186	.060	.981	10.7	3.4	2.04	3.55	1	pM	0
31094		Turner D	.199	.045	.979	11.5	2.6	2.94	5.11	3	C	0
31096			.194	.065	.979	11.2	3.7	2.94	5.11	3	C	0
31102			.107	.122	.987	6.2	7.0	5.97	10.38	4f	C	0
31103			.105	.136	.985	6.1	7.8	10.14	17.62	4f	C	0
31105		Palisa W	.108	.158	.982	6.3	9.1	2.55	4.43	1	C	0
31107			.108	.170	.980	6.3	9.8	2.28	3.96	1	C	0
31109		Davy YA	.108	.191	.976	6.3	11.0	1.81	3.15	1	pMC	0
31113	3007A	Palisa C	.111	.134	.985	6.4	7.7	5.00	8.69	1	C	0
31115	3008A	Palisa D	.118	.151	.981	6.9	8.7	4.57	7.94	1	C	0
31115A	3006A	Palisa A	.115	.157	.981	6.7	9.0	2.68	4.66	1	C	0
31115B			.114	.160	.981	6.6	9.2	2.15	3.74	1	C	0
31117			.117	.172	.978	6.8	9.9	4.88 3.98	8.48 6.92	3	C	0
31119	3003A	Davy C	.119	.194	.974	7.0	11.2	1.97	3.42	1	pMC	0
31120	2921	Lalande D	.129	.108	.986	7.5	6.2	4.43	7.70	1	C	0
31124			.120	.142	.983	7.0	8.2	6.36	11.05	4f	C	0
31124A			.121	.145	.982	7.0	8.3	9.12 10.95	15.85 19.03	4f	C	0
31126	3011	Palisa P	.126	.168	.978	7.3	9.7	2.85	4.95	1	pMC	0
31126A	3006	Palisa	.123	.164	.979	7.2	9.4	19.24	33.44	3	aMC	0
31127		Davy YC	.129	.170	.977	7.5	9.8	2.03	3.53	1	pMC	0
31127A		Davy YB	.126	.178	.976	7.4	10.3	1.57	2.73	1	pMC	0
31129	3011A	Davy Y	.122	.190	.974	7.1	11.0	39.95 27.51	69.44 47.82	4f	aMC	0
31130	2919A	Lalande G	.137	.108	.985	7.9	6.2	2.70	4.69	1	C	0
31130A			.130	.103	.986	7.5	5.9	9.53	16.56	4f	C	0
31133			.137	.135	.981	7.9	7.8	3.62 2.25	6.29 3.91	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31135			-.130	-.153	+.980	-7.6	-8.8	11.22 12.80	19.50 22.25	4f	C	0
31137			.131	.179	.975	7.7	10.3	20.21	35.13	5f	C	0
31142		Palisa U	.146	.124	.981	8.5	7.1	11.71	20.35	4f	aMC	0
31143			.147	.135	.980	8.5	7.8	14.57	25.32	5f	aMC	0
31144	3008B	Palisa T	.141	.143	.980	8.2	8.2	7.15 5.53	12.43 9.61	2	C	0
31146			.142	.162	.977	8.3	9.3	8.22	14.29	5f	aMC	0
31146A			.146	.168	.975	8.5	9.7	7.74	13.45	5f	aMC	0
31147			.146	.173	.974	8.5	10.0	7.94	13.80	5f	aMC	0
31158	3005	Davy B	.152	.189	.970	8.9	10.9	4.13	7.18	1	pMC	0
31161	2918	Lalande A	.169	.115	.979	9.8	6.6	7.62	13.24	1	pMC	0
31162			.160	.120	.980	9.3	6.9	8.01	13.92	5	aMC	0
31163			.162	.133	.978	9.4	7.6	16.26 19.91	28.26 34.61	5f	aMC	0
31167		Davy K	.162	.177	.971	9.5	10.2	1.79	3.11	1	pM	0
31180			.180	.100	.979	10.4	5.7	11.61	20.18	5	aM	0
31195			.197	.151	.969	11.5	8.7	6.50	11.30	5f	aM	0
31198			.199	.183	.963	11.7	10.5	2.02	3.51	2	pM	0
31200			.103	.200	.974	6.0	11.5	4.80	8.34	4	C	0
31200A			.103	.205	.973	6.0	11.8	5.40 8.81	9.39 15.31	4f	aMC	0
31203	3028A	Alpetragius C	.104	.237	.966	6.1	13.7	1.17	2.03	1	pM	0
31216	3028	Alpetragius B	.115	.261	.958	6.8	15.1	5.79	10.06	1	pM	0
31218	3024	Lassell A	.114	.288	.951	6.8	16.7	1.43	2.49	1	pM	0
31221			.121	.210	.970	7.1	12.1	7.54	13.11	4	C	0
31222		Davy U	.121	.224	.967	7.1	12.9	1.86	3.23	1	pM	0
31227	3025	Lassell B	.128	.279	.952	7.7	16.2	2.03	3.53	1	pM	0
31230	3003	Davy	.138	.205	.969	8.1	11.8	19.98	34.73	3	aMC	pp
31231	3004	Davy A	.131	.212	.968	7.7	12.2	8.44	14.67	1	pMC	0
31236	3021	Lassell	.132	.266	.955	7.9	15.4	13.37	23.24	2	aM	0
31244		Lassell M	.148	.245	.958	8.8	14.2	1.81	3.15	1	pM	0
31245			.149	.258	.955	8.9	15.0	2.25	3.91	1	pM	0
31249		Lassell T	.146	.293	.945	8.8	17.0	1.37	2.38	1	pM	0
31255	3029	Lassell C	.157	.253	.955	9.3	14.7	5.40	9.39	1f	pM	0
31255A	3029A	Lassell G	.151	.256	.955	9.0	14.8	3.84	6.67	1	pMC	0
31256		Lassell K	.150	.260	.954	8.9	15.1	2.55	4.43	1	pM	0
31261		Guericke N	.168	.217	.962	9.9	12.5	1.72	2.99	1	pM	0
31262			.166	.220	.961	9.8	12.7	14.67	25.50	5f	aM	0
31275	3030	Lassell D	.176	.251	.952	10.5	14.5	1.00	1.74	1	pM	0
31275A		Lassell J	.175	.255	.951	10.4	14.8	2.00	3.48	1	pM	0
31285	3030A	Lassell H	.188	.250	.950	11.2	14.5	2.71	4.71	1	pM	0
31290	2856	Guericke C	.196	.200	.960	11.5	11.5	6.26	10.88	1	pM	0
31300	3031A	Alpetragius H	.100	.308	.946	6.0	17.9	2.64	4.59	1	C	0
31301	3031	Alpetragius G	.108	.312	.944	6.5	18.2	7.14	12.41	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31302			-.103	-.328	+.939	-6.3	-19.1	2.94	5.11	3	C	0
31307	3072A	Thebit B	.100	.379	.920	6.2	22.3	2.04	3.55	2	pM	0
31311			.114	.316	.942	6.9	18.4	8.93	15.52	5	C	0
31311A			.113	.311	.944	6.8	18.1	3.97	6.90	4	C	0
31318			.113	.381	.918	7.0	22.4	111.79 120.33	194.31 209.15	5f	aMC	0
31322			.127	.325	.937	7.7	19.0	2.01	3.49	1	C	0
31331			.136	.317	.939	8.2	18.5	4.81	8.36	4f	aMC	0
31332			.130	.324	.937	7.9	18.9	2.38	4.14	2	C	0
31333	3072	Thebit D	.134	.338	.932	8.2	19.8	3.09	5.37	1	pM	0
31338	3063	Birt	.137	.380	.915	8.5	22.3	9.65	16.77	1	pM	0
31338A	3064	Birt A	.131	.382	.915	8.1	22.5	3.92	6.81	1	pM	0
31339		Birt G	.131	.393	.910	8.2	23.1	1.37	2.38	2	pM	0
31341		Lassell S	.141	.313	.939	8.5	18.2	2.03	3.53	1	pM	0
31347		Birt F	.146	.379	.914	9.1	22.3	1.76	3.06	1	pM	0
31349		Birt H	.145	.391	.909	9.1	23.0	1.23	2.14	2	pM	0
31355	3065B	Birt E	.156	.353	.923	9.6	20.7	2.80 1.67	4.87 2.90	3	pM	0
31355A	3065A	Birt D	.159	.359	.920	9.8	21.0	1.85	3.22	1	pM	0
31356		Birt L	.150	.368	.918	9.3	21.6	1.47	2.56	2	pM	0
31358		Birt K	.155	.381	.911	9.7	22.4	0.98	1.70	2	pM	0
31359		Birt J	.151	.390	.908	9.4	23.0	1.18	2.05	2	pM	0
31361	3022	Lassell E	.168	.312	.935	10.2	18.2	3.09	5.37	1	pM	0
31367	3065	Birt B	.164	.378	.911	10.2	22.2	3.01	5.23	1	pM	0
31399		Nicollet D	.194	.394	.898	12.2	23.2	1.37	2.38	2	pM	0
31403		Purbach Y	.108	.436	.893	6.9	25.8	9.28	16.13	4f	aMC	0
31404			.105	.446	.889	6.7	26.5	6.05 4.07	10.52 7.07	4	aMC	0
31406			.100	.467	.879	6.5	27.8	3.92	6.81	3	C	0
31407			.102	.474	.875	6.7	28.3	2.44	4.24	1	C	0
31407A			.104	.479	.872	6.8	28.6	2.84	4.94	3	C	0
31409	3111A	Hell J	.104	.495	.863	6.9	29.7	3.37	5.86	3	C	p
31410			.119	.409	.905	7.5	24.1	14.63	25.43	4f	aM	0
31412		Thebit S	.114	.420	.900	7.2	24.8	9.40	16.34	4f	aM	0
31415		Purbach NB	.111	.455	.884	7.2	27.1	1.97	3.42	2	pM	0
31416			.112	.468	.877	7.3	27.9	3.35	5.82	4	C	0
31417			.113	.471	.875	7.4	28.1	2.55	4.43	4	aMC	0
31417A			.118	.472	.874	7.7	28.2	2.54	4.41	3	C	0
31417B			.118	.474	.873	7.7	28.3	2.05	3.56	3	C	0
31418			.114	.480	.870	7.5	28.7	3.83	6.66	3	C	0
31418A			.115	.484	.867	7.6	28.9	2.60	4.52	3	C	0
31430		Birt C	.132	.402	.906	8.3	23.7	1.32	2.29	2	pM	0
31434		Lippershey P	.130	.444	.887	8.3	26.4	1.08	1.88	2	pM	0
31438	2791B	Pitatus L	.131	.486	.864	8.6	29.1	2.95	5.13	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31438A			-.133	-.486	+.864	-8.8	-29.1	9.87	17.16	5	C	0
31449			.142	.492	.859	9.4	29.5	3.28	5.70	4	C	0
31451		Lippershey N	.151	.414	.898	9.5	24.5	1.57	2.73	1	pM	0
31454	3066B	Lippershey R	.157	.449	.880	10.1	26.7	2.36	4.10	1	pM	0
31456		Pitatus ZA	.155	.465	.872	10.1	27.7	7.84	13.63	4f	aMC	0
31457		Pitatus Z	.159	.474	.866	10.4	28.3	10.89	18.93	4f	aMC	0
31458		Pitatus E	.154	.483	.862	10.1	28.9	3.40	5.91	3	C	0
31459		Pitatus Y	.154	.490	.858	10.2	29.3	11.38 8.19	19.78 14.24	4	C	0
31463	3066A	Lippershey	.161	.437	.885	10.3	25.9	3.89	6.76	1	pM	0
31463A			.167	.438	.883	10.7	26.0	10.29 13.12	17.89 22.80	5f	aM	0
31463B			.160	.433	.887	10.2	25.7	6.29	10.93	5f	aM	0
31466			.165	.466	.869	10.7	27.8	8.75 4.60	15.21 8.00	5f	aM	0
31466A			.166	.461	.872	10.8	27.5	8.55 6.18	14.86 10.74	5f	aM	0
31467	2790	Pitatus F	.170	.474	.864	11.1	28.3	3.01	5.23	3	C	0
31469		Pitatus T	.169	.491	.855	11.2	29.4	2.93	5.09	3	C	0
31471		Lippershey M	.172	.411	.895	10.9	24.3	1.13	1.96	1	pM	0
31472	3066C	Lippershey T	.174	.426	.888	11.1	25.2	3.02	5.25	1	pM	0
31474		Lippershey K	.176	.449	.876	11.4	26.7	1.37	2.38	1	pM	0
31476			.174	.466	.868	11.3	27.8	3.33	5.79	3	aMC	0
31477		Pitatus XA	.179	.474	.862	11.7	28.3	2.27	3.95	2	pMC	0
31477A		Pitatus X	.176	.477	.861	11.6	28.5	10.67	18.55	4f	aMC	0
31477B		Pitatus W	.172	.470	.866	11.2	28.0	10.26	17.83	4	aMC	0
31478		Pitatus V	.177	.484	.857	11.7	28.9	2.85	4.95	2	C	0
31478A			.179	.482	.858	11.8	28.8	3.91	6.80	3	C	0
31479	2791	Pitatus G	.171	.497	.851	11.4	29.8	9.15	15.90	3f	C	0
31479A		Pitatus GA	.176	.493	.852	11.7	29.5	4.46	7.75	3	C	0
31483		Lippershey L	.183	.434	.882	11.7	25.7	1.66	2.89	1	pM	0
31484			.182	.442	.878	11.7	26.2	24.80 20.19	43.11 35.09	5f	aM	0
31486			.184	.468	.864	12.0	27.9	4.76	8.27	4	aMC	0
31487	2787	Pitatus C	.190	.476	.859	12.5	28.4	7.08	12.31	2	C	0
31502			.108	.522	.846	7.3	31.5	3.76	6.54	3	C	0
31504			.100	.542	.834	6.8	32.8	25.45	44.24	4	C	0
31505		Hell T	.101	.554	.826	7.0	33.6	2.96	5.14	3	C	0
31505A			.105	.557	.824	7.3	33.8	3.02	5.25	3	C	0
31505B			.106	.553	.826	7.3	33.6	3.95	6.87	3	C	0
31507			.102	.578	.810	7.2	35.3	4.75	8.26	4	C	0
31510	3114	Hell G	.115	.505	.855	7.7	30.3	3.23	5.61	4	C	0
31512			.112	.522	.846	7.5	31.5	5.01	8.71	3	C	0
31513	3109	Hell	.114	.535	.837	7.8	32.3	19.18	33.34	2	C	P
31518A	3133	Ball	.118	.587	.801	8.4	35.9	22.73	39.51	2	C	P

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31519	3133A	Ball E	-.113	-.595	+.796	-8.1	-36.5	2.87	4.99	1	C	0
31519A			.118	.593	.797	8.4	36.4	5.00	8.69	3	C	0
31521			.124	.519	.846	8.3	31.3	4.95	8.60	3	C	0
31522			.125	.522	.844	8.4	31.5	4.55	7.91	4	C	0
31523		Hell W	.126	.538	.833	8.6	32.5	4.02	6.99	3	C	0
31524		Hell V	.128	.542	.831	8.8	32.8	4.24	7.37	3	C	0
31525	3110	Hell A	.121	.557	.822	8.4	33.8	12.42	21.59	3	C	p
31526			.121	.569	.813	8.5	34.7	2.87	4.99	3	C	0
31526A			.126	.565	.815	8.8	34.4	2.16	3.75	2	C	0
31529			.124	.597	.793	8.9	36.7	3.75	6.52	3	C	0
31530	2791A	Pitatus K	.133	.506	.852	8.9	30.4	3.02	5.25	2	C	0
31532		Hell X	.134	.529	.838	9.1	31.9	2.29	3.98	2	C	0
31533			.136	.530	.837	9.2	32.0	2.14	3.72	2	C	0
31533A			.139	.530	.837	9.4	32.0	3.95	6.87	4	C	0
31534			.130	.547	.827	8.9	33.2	3.91	6.80	4	C	0
31535		Hell U	.132	.550	.825	9.1	33.4	2.79	4.85	2	C	0
31535A			.131	.550	.825	9.0	33.4	4.52	7.86	3	C	0
31536			.139	.565	.813	9.7	34.4	3.67	6.38	3	C	0
31537	3134	Ball A	.133	.570	.811	9.3	34.8	16.74	29.10	3	C	pp
31537A			.133	.574	.808	9.3	35.0	2.06	3.58	2	C	0
31537B			.136	.578	.805	9.6	35.3	3.30	5.74	2	C	0
31538			.135	.589	.797	9.6	36.1	23.67	41.14	4	C	0
31539			.139	.595	.792	10.0	36.5	12.02 10.47	20.89 18.20	4	C	0
31541			.142	.513	.847	9.5	30.9	3.84	6.67	4	C	0
31544			.141	.543	.828	9.7	32.9	3.25	5.65	3	C	0
31544A			.148	.549	.823	10.2	33.3	4.62	8.03	3	C	0
31545		Gauricus S	.145	.557	.818	10.1	33.8	8.72	15.16	2	C	0
31545A			.144	.553	.821	10.0	33.6	4.47	7.77	3	C	0
31545B			.149	.555	.818	10.3	33.7	9.56	16.62	4	C	0
31546			.146	.561	.815	10.2	34.1	3.51	6.10	2	C	0
31546A			.147	.568	.810	10.3	34.6	6.50	11.30	3	C	0
31546B			.149	.563	.813	10.4	34.3	5.11	8.88	3	C	0
31546C			.143	.567	.811	10.0	34.5	3.06	5.32	3	C	0
31548	3136	Ball D	.145	.583	.799	10.3	35.7	10.51	18.27	3	C	0
31548A			.147	.583	.799	10.4	35.7	3.00	5.21	1	C	0
31549			.145	.592	.793	10.4	36.3	3.44	5.98	2	C	0
31549A			.146	.591	.793	10.4	36.2	3.00	5.21	2	C	0
31550			.154	.506	.849	10.3	30.4	6.55	11.38	4	C	0
31552			.156	.524	.837	10.6	31.6	3.97	6.90	2	C	0
31552A			.159	.523	.837	10.8	31.5	2.97	5.16	2	C	0
31553	2786	Pitatus B	.153	.533	.832	10.4	32.2	10.58	18.39	3	C	0
31553A		Pitatus BA	.153	.537	.830	10.4	32.5	7.07	12.29	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31554			-.155	-.548	+.822	-10.7	-33.2	2.98	5.18	2	C	0
31554A			.156	.546	.823	10.7	33.1	3.27	5.68	2	C	0
31555	2750B	Gauricus G	.159	.558	.814	11.0	33.9	9.90	17.21	2	C	0
31555A			.156	.552	.819	10.8	33.5	3.66	6.36	2	C	0
31555B			.154	.554	.818	10.7	33.6	2.78	4.83	2	C	0
31556			.150	.569	.809	10.5	34.7	2.40	4.17	2	C	0
31556A			.152	.564	.812	10.6	34.3	4.76 2.99	8.27 5.20	2	C	0
31557	2747	Gauricus C	.151	.578	.802	10.7	35.3	6.49	11.28	2	C	0
31558			.159	.580	.799	11.3	35.5	4.08	7.09	4	C	0
31559			.159	.592	.790	11.4	36.3	3.50	6.08	3	C	0
31560		Pitatus Q	.162	.507	.847	10.8	30.5	6.86	11.92	4	C	0
31561		Pitatus N	.161	.518	.840	10.8	31.2	6.68	11.61	3	C	0
31561A		Pitatus P	.162	.514	.842	10.9	30.9	8.91 7.61	15.49 13.23	3	C	0
31562			.167	.527	.833	11.3	31.8	6.06	10.53	5	C	0
31563		Pitatus M	.162	.533	.830	11.0	32.2	7.96	13.84	3	C	0
31564			.160	.544	.824	11.0	33.0	4.96	8.62	3	C	0
31567	2748	Gauricus D	.162	.576	.801	11.4	35.2	7.59	13.19	1	C	0
31568			.166	.580	.798	11.8	35.5	2.81	4.88	2	C	0
31569			.162	.594	.788	11.6	36.4	4.14	7.20	2	C	0
31571			.176	.510	.842	11.8	30.7	2.81	4.88	2	C	0
31571A	2788	Pitatus D	.178	.513	.840	12.0	30.9	5.36	9.32	3	C	0
31571B			.176	.517	.838	11.9	31.1	2.05	3.56	2	C	0
31571C			.177	.517	.837	11.9	31.1	3.94	6.85	3	C	0
31571D			.172	.517	.839	11.6	31.1	6.41	11.14	4f	C	0
31573	2749	Gauricus E	.173	.538	.825	11.8	32.5	4.00	6.95	2	C	0
31573A	2749A	Gauricus J	.174	.535	.827	11.9	32.3	5.65	9.82	3	C	0
31574			.173	.545	.820	11.9	33.0	2.98	5.18	3	C	0
31577	2746A	Gauricus P	.176	.574	.800	12.4	35.0	3.20	5.56	2	C	0
31577A	2746	Gauricus B	.172	.579	.797	12.2	35.4	13.20 10.14	22.94 17.62	2f	C	0
31577B			.174	.573	.801	12.3	35.0	2.98	5.18	3	C	0
31579			.174	.592	.787	12.5	36.3	30.79	53.52	5f	C	0
31583	2744D	Gauricus N	.186	.536	.823	12.7	32.4	4.24	7.37	1	C	0
31584	2750A	Gauricus F	.183	.545	.818	12.6	33.0	6.86	11.92	4f	C	0
31584A			.183	.548	.816	12.6	33.2	4.57	7.94	4f	C	0
31585	2744	Gauricus	.180	.557	.811	12.5	33.8	45.48	79.05	4f	C	0
31587	2745A	Gauricus R	.188	.571	.799	13.2	34.8	3.64	6.33	1	C	0
31587A			.181	.576	.797	12.8	35.2	2.28	3.96	2	C	0
31588	2745	Gauricus A	.189	.582	.791	13.4	35.6	21.70	37.72	3	C	0
31589			.189	.594	.782	13.6	36.4	2.23	3.88	3	C	0
31592	2784A	Pitatus A	.194	.521	.831	13.1	31.4	3.78	6.57	1	C	0
31593			.194	.536	.822	13.3	32.4	2.97	5.16	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31593A			-.194	-.537	+.821	-13.3	-32.5	2.66	4.62	2	C	0
31594			.191	.541	.819	13.1	32.8	2.98	5.18	3	C	0
31594A			.197	.544	.816	13.6	33.0	1.98 4.87	3.44 8.46	3	C	0
31595	2744B	Gauricus L	.198	.559	.805	13.8	34.0	2.24	3.89	2	C	0
31596	2744C	Gauricus M	.194	.564	.803	13.6	34.3	3.19	5.54	2	C	0
31597			.196	.578	.792	13.9	35.3	2.23	3.88	2	C	0
31598		Gauricus AC	.198	.585	.786	14.1	35.8	2.56	4.45	2	C	0
31599		Gauricus AB	.196	.592	.782	14.1	36.3	2.98	5.18	2	C	0
31599A			.193	.592	.782	13.9	36.3	2.49	4.33	2	C	0
31600			.109	.606	.788	7.9	37.3	6.10	10.60	3	C	0
31601			.107	.616	.780	7.8	38.0	26.66	46.34	4	C	0
31602	3143	Sasserides E	.104	.628	.771	7.7	38.9	4.78	8.31	3	C	0
31602A		Sasserides S	.108	.625	.773	8.0	38.7	8.79	15.28	3	C	0
31604			.109	.647	.755	8.2	40.3	2.26	3.93	2	C	0
31604A			.109	.644	.757	8.2	40.1	7.08	12.31	4	C	0
31606	3181	Pictet N	.106	.663	.741	8.1	41.5	3.97	6.90	1	C	0
31606A	3180A	Pictet E	.101	.660	.744	7.7	41.3	40.53	70.45	4	C	0
31609			.105	.692	.714	8.4	43.8	5.59	9.72	4	C	0
31610	3136A	Ball F	.117	.601	.791	8.4	36.9	6.72	11.68	2	C	0
31610A			.117	.604	.788	8.4	37.2	2.29	3.98	2	C	0
31612			.119	.626	.771	8.8	38.8	4.15	7.21	3	C	0
31613			.114	.633	.766	8.5	39.3	2.18	3.79	2	C	0
31613A			.117	.631	.767	8.7	39.1	6.29	10.93	4	C	0
31617			.110	.674	.730	8.6	42.4	22.25	38.67	4	C	0
31619			.110	.696	.710	8.8	44.1	5.92	10.29	4	C	0
31620	3135	Ball B	.127	.600	.790	9.1	36.9	5.76	10.01	3	C	0
31621	3141	Ball C	.120	.611	.782	8.7	37.7	17.95	31.20	2	C	P
31622			.120	.624	.772	8.8	38.6	5.42	9.42	3	C	0
31623	3139	Sasserides	.125	.630	.766	9.3	39.1	52.01	90.40	4	C	0
31624	3139C	Sasserides J	.128	.644	.754	9.6	40.1	3.07	5.34	2	C	0
31630			.132	.600	.789	9.5	36.9	5.15	8.95	3	C	0
31631	3144	Ball G	.138	.612	.779	10.0	37.7	13.85	24.07	4	C	0
31634	3188	Sasserides F	.131	.650	.749	9.9	40.5	9.37	16.29	3	C	0
31635			.138	.653	.745	10.5	40.8	2.97	5.16	3	C	0
31640		Ball GA	.144	.607	.782	10.4	37.4	7.97	13.85	3	C	0
31641		Sasserides P	.145	.616	.774	10.6	38.0	10.42 14.45	18.11 25.12	2	C	0
31643	3139A	Sasserides B	.149	.636	.757	11.1	39.5	4.88	8.48	2	C	0
31643A	3139B	Sasserides H	.146	.632	.761	10.9	39.2	7.00	12.17	2	C	0
31648A	3182	Tycho	.141	.685	.715	11.2	43.2	48.71	84.67	1	C	PP
31650			.150	.608	.780	10.9	37.4	7.29 7.03	12.67 12.22	4	C	0
31650A			.152	.601	.785	11.0	36.9	5.40	9.39	4	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31651			-.150	-.615	+.774	-11.0	-38.0	8.54	14.84	5	C	0
31651A			.152	.619	.771	11.2	38.2	3.95	6.87	4	C	0
31652			.150	.620	.770	11.0	38.3	4.15	7.21	3	C	0
31654	3183	Tycho A	.159	.640	.752	11.9	39.8	17.86 16.00	31.04 27.81	2	C	P
31656			.156	.660	.735	12.0	41.3	2.46	4.28	2	C	0
31661			.160	.610	.776	11.6	37.6	7.09	12.32	3	C	0
31661A			.161	.618	.770	11.8	38.2	2.13	3.70	2	C	0
31663			.170	.631	.757	12.7	39.1	3.12	5.42	2	C	0
31663A			.167	.637	.753	12.5	39.6	2.95	5.13	3	C	0
31664			.167	.644	.747	12.6	40.1	2.89	5.02	2	C	0
31665		Tycho T	.163	.658	.735	12.5	41.1	7.93	13.78	3	C	0
31665A			.164	.653	.739	12.5	40.8	5.83	10.13	3	C	0
31665B			.167	.651	.740	12.7	40.6	2.08	3.62	2	C	0
31667			.165	.676	.718	12.9	42.5	3.51	6.10	3	C	0
31669	3185	Tycho C	.170	.699	.695	13.8	44.3	3.75	6.52	4	C	0
31669A			.165	.693	.702	13.2	43.9	4.15	7.21	4	C	0
31669B			.166	.696	.699	13.4	44.1	3.95	6.87	4	C	0
31670			.176	.600	.780	12.7	36.9	2.60	4.52	2	C	0
31670A			.173	.601	.780	12.5	36.9	2.56	4.45	3	C	0
31674			.177	.643	.745	13.4	40.0	2.62	4.55	3	C	0
31675	3189	Tycho F	.171	.655	.736	13.1	40.9	9.44	16.41	2	C	p
31675A		Tycho U	.179	.657	.732	13.7	41.1	9.99	17.36	2	C	0
31676		Tycho R	.175	.667	.724	13.6	41.8	2.60	4.52	2	C	0
31676A			.178	.664	.726	13.8	41.6	2.76	4.80	2	C	0
31677	3187	Tycho E	.173	.672	.720	13.5	42.2	7.87	13.68	3	C	0
31679	3184	Tycho B	.173	.694	.699	13.9	43.9	8.98	15.61	2	C	0
31680			.183	.604	.776	13.3	37.2	2.91	5.06	3	C	0
31681	2750	Gauricus H	.181	.618	.765	13.3	38.2	4.80	8.34	3	C	0
31683		Heinsius P	.182	.635	.751	13.6	39.4	21.21	36.87	4	C	p
31683A			.182	.636	.750	13.6	39.5	3.95	6.87	3	C	0
31684			.180	.644	.744	13.6	40.1	3.88	6.74	2	C	0
31686			.189	.665	.723	14.7	41.7	8.09	14.06	3	C	0
31686A			.186	.661	.727	14.4	41.4	4.17	7.25	3	C	0
31686B			.182	.661	.728	14.0	41.4	2.62	4.55	3	C	0
31687			.186	.679	.710	14.7	42.8	12.83 10.53	22.30 18.30	5	C	0
31688			.181	.682	.709	14.3	43.0	3.41 4.50	5.93 7.82	3	C	0
31688A			.181	.689	.702	14.5	43.6	13.02	22.63	5	C	0
31689		Tycho X	.189	.692	.697	15.2	43.8	7.41	12.88	3	C	0
31689A			.184	.699	.691	14.9	44.3	4.93	8.57	3	C	0
31690		Gauricus AA	.191	.601	.776	13.8	36.9	2.83	4.92	1	C	0
31690A			.198	.603	.773	14.4	37.1	3.26	5.67	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31690B			-.197	-.601	+.775	-14.3	-36.9	2.76 1.93	4.80 3.35	3	C	0
31691	3190	Heinsius G	.197	.619	.760	14.5	38.2	6.24	10.85	1	C	0
31691A			.190	.619	.762	14.0	38.2	29.45	51.19	4	C	0
31692	3190B	Heinsius O	.199	.626	.754	14.8	38.8	2.57	4.47	1	C	0
31692A			.193	.625	.756	14.3	38.7	12.63	21.95	4	C	0
31693			.198	.632	.749	14.8	39.2	2.66	4.62	3	C	0
31694		Heinsius Q	.191	.642	.743	14.4	39.9	21.01	36.52	3	C	p
31695	2740G	Heinsius M	.199	.656	.728	15.3	41.0	7.46	12.97	2	C	0
31695A			.190	.658	.729	14.6	41.1	3.75	6.52	3	C	0
31695B			.195	.657	.728	15.0	41.1	2.27	3.95	2	C	0
31696		Tycho V	.197	.665	.720	15.3	41.7	2.42	4.21	1	C	0
31696A			.192	.667	.720	14.9	41.8	5.02	8.73	3	C	0
31696B			.196	.667	.719	15.3	41.8	2.15	3.74	2	C	0
31697	3186D	Tycho J	.195	.675	.712	15.3	42.5	6.05	10.52	2	C	0
31697A			.192	.673	.714	15.0	42.3	3.50	6.08	3	C	0
31697B			.196	.670	.716	15.3	42.1	5.31	9.23	3	C	0
31698		Tycho W	.192	.684	.704	15.3	43.2	10.91	18.96	3	C	0
31699		Tycho Y	.196	.696	.691	15.8	44.1	10.91	18.96	3	C	0
31701	3180	Pictet D	.109	.719	.686	9.0	46.0	12.33	21.43	4	C	0
31701A			.105	.717	.689	8.7	45.8	14.11	24.53	4	C	0
31702			.105	.727	.679	8.8	46.6	4.26	7.40	2	C	0
31703	3196	Street A	.107	.731	.674	9.0	47.0	9.74	16.93	2	C	0
31703A			.101	.734	.672	8.6	47.2	5.98	10.39	3	C	0
31703B			.102	.739	.666	8.7	47.6	7.56	13.14	3	C	0
31704	3211	Maginus N	.104	.749	.654	9.0	48.5	13.82	24.02	2	C	0
31705	3215	Maginus L	.101	.756	.647	8.9	49.1	6.29	10.93	1	C	0
31705A			.107	.754	.648	9.4	48.9	11.85	20.60	5	C	0
31705B			.108	.758	.643	9.5	49.3	2.37	4.12	3	C	0
31706	3215A	Maginus M	.103	.769	.631	9.3	50.3	5.46	9.49	1	C	0
31706A			.102	.764	.637	9.1	49.8	3.95	6.87	4	C	0
31706B			.102	.760	.642	9.0	49.5	3.99	6.94	3	C	0
31706C			.108	.764	.636	9.6	49.8	2.96	5.14	3	C	0
31707	3206F	Maginus CB	.103	.777	.621	9.4	51.0	5.87	10.20	1	C	0
31707A			.105	.772	.627	9.5	50.5	2.17	3.77	2	C	0
31708	3206	Maginus C	.101	.785	.611	9.4	51.7	26.47	46.01	3f	C	0
31708A			.108	.780	.616	9.9	51.3	7.46	12.97	3	C	0
31709	3212	Maginus H	.106	.793	.600	10.0	52.5	8.63	15.00	1	C	p?
31711			.117	.711	.693	9.6	45.3	3.54	6.15	3	C	0
31711A			.114	.714	.691	9.4	45.6	2.96	5.14	4	C	0
31714			.118	.746	.655	10.2	48.2	2.27	3.95	3	C	0
31715	3214C	Maginus R	.119	.753	.647	10.4	48.9	3.45	6.00	2	C	0
31715A	3211B	Maginus NA	.112	.751	.651	9.8	48.7	4.53	7.87	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31715B			-.116	-.755	+.645	-10.2	-49.0	3.03	5.27	1	C	0
31716			.118	.769	.628	10.6	50.3	6.68	11.61	3	C	0
31716A			.111	.767	.632	10.0	50.1	9.45	16.43	3	C	0
31716B			.110	.765	.635	9.8	49.9	2.76	4.80	3	C	0
31717			.110	.774	.624	10.0	50.7	4.94	8.59	3	C	0
31717A			.111	.773	.625	10.1	50.6	9.07	15.77	4	C	0
31717B			.116	.778	.617	10.6	51.1	4.34	7.54	3	C	0
31717C			.118	.771	.626	10.7	50.4	7.90	13.73	4	C	0
31719			.111	.797	.594	10.6	52.8	2.76	4.80	3	C	0
31720			.124	.707	.696	10.1	45.0	4.44	7.72	4	C	0
31721			.120	.710	.694	9.8	45.2	2.07	3.60	3	C	0
31722	3195	Street	.126	.725	.677	10.5	46.5	33.28	57.85	3	C	0
31724	3195B	Street N	.121	.744	.657	10.4	48.1	2.86	4.97	3	C	0
31724A			.125	.748	.652	10.9	48.4	4.94	8.59	4	C	0
31724B			.128	.740	.660	11.0	47.7	12.93	22.47	5	C	0
31725			.122	.759	.640	10.8	49.4	5.02	8.73	2	C	0
31725A			.126	.759	.639	11.2	49.4	3.16	5.49	3	C	0
31726		Maginus NB	.121	.764	.634	10.8	49.8	10.63	18.48	2	C	0
31726A			.124	.768	.628	11.2	50.2	4.74	8.24	4	C	0
31726B			.129	.762	.635	11.5	49.6	2.86	4.97	3	C	0
31726C			.127	.761	.636	11.3	49.6	3.45	6.00	3	C	0
31727	3206B	Maginus P	.129	.774	.620	11.8	50.7	5.99	10.41	1	C	0
31727A			.123	.774	.621	11.2	50.7	5.72	9.94	3	C	0
31728			.122	.782	.611	11.3	51.4	5.93	10.31	3	C	0
31728A			.125	.780	.613	11.5	51.3	13.56	23.57	3	C	0
31728B			.128	.784	.607	11.9	51.6	3.65	6.34	3	C	0
31729			.125	.793	.596	11.8	52.5	4.07	7.07	4	C	0
31729A			.120	.791	.600	11.3	52.3	3.75	6.52	2	C	?
31729B			.122	.794	.596	11.6	52.6	2.86	4.97	3	C	0
31729C			.122	.799	.589	11.7	53.0	3.67	6.38	4	C	0
31730			.131	.707	.695	10.7	45.0	6.14	10.67	3	C	0
31731			.130	.712	.690	10.7	45.4	6.01	10.45	3	C	0
31732			.131	.724	.677	10.9	46.4	2.73	4.75	1	C	0
31733	3200	Street E	.138	.737	.662	11.8	47.5	7.07	12.29	3	C	0
31733A			.130	.735	.665	11.1	47.3	2.65	4.61	2	C	0
31734	3201	Street H	.140	.747	.650	12.2	48.3	16.77	29.15	3	C	p?
31734A			.132	.744	.655	11.4	48.1	2.46	4.28	2	C	0
31735			.133	.758	.639	11.8	49.3	3.75	6.52	3	C	0
31736			.132	.760	.636	11.7	49.5	3.94	6.85	3	C	0
31736A			.132	.761	.635	11.7	49.6	3.87	6.73	3	C	0
31736B			.139	.767	.626	12.5	50.1	4.34	7.54	4	C	0
31737	3206A	Maginus O	.138	.773	.619	12.6	50.6	6.69	11.63	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31737A			-.138	-.777	+.614	-12.7	-51.0	3.23	5.61	2	C	0
31738	3238A	Clavius E	.136	.782	.608	12.6	51.4	9.09	15.80	2	C	0
31738A	3206E	Maginus CA	.130	.790	.599	12.2	52.2	3.48	6.05	1	C	0
31738B			.137	.784	.605	12.7	51.6	5.93	10.31	1	C	0
31739			.131	.796	.591	12.5	52.7	15.80 13.29	27.46 23.10	5	C	0
31741	3195A	Street P	.144	.715	.684	11.9	45.6	3.34	5.81	2	C	0
31741A			.140	.712	.688	11.5	45.4	3.75	6.52	3	C	0
31742			.149	.721	.677	12.4	46.1	16.04	27.88	3	C	0
31742A			.148	.729	.668	12.5	46.8	2.12	3.68	1	C	0
31742B			.144	.728	.670	12.1	46.7	4.05	7.04	4	C	0
31742C			.146	.726	.672	12.3	46.6	6.42	11.16	4	C	0
31743	3197	Street B	.143	.732	.666	12.1	47.1	8.06	14.01	3	C	0
31743A			.143	.735	.663	12.2	47.3	2.96	5.14	3	C	0
31744			.144	.740	.657	12.4	47.7	2.05	3.56	1	C	0
31744A			.140	.740	.658	12.0	47.7	3.45	6.00	3	C	0
31745	3199	Street D	.144	.753	.642	12.6	48.9	6.08	10.57	2	C	0
31747	3201A	Street L	.148	.774	.616	13.5	50.7	3.75	6.52	2	C	0
31747A			.141	.775	.616	12.9	50.8	4.22	7.33	3	C	0
31747B			.143	.777	.613	13.1	51.0	2.96	5.14	3	C	0
31747C			.149	.778	.610	13.7	51.1	12.14	21.10	4	C	0
31748	2713	Clavius G	.148	.788	.598	13.9	52.0	9.94	17.28	1	C	0
31749			.145	.797	.586	13.9	52.8	2.67	4.64	1	C	0
31751	3186C	Tycho P	.158	.712	.684	13.0	45.4	4.85	8.43	2	C	0
31752			.154	.724	.672	12.9	46.4	2.07	3.60	3	C	0
31753	3190E	Street K	.153	.738	.657	13.1	47.6	5.13	8.92	2	C	0
31753A			.158	.736	.658	13.5	47.4	5.00	8.69	3	C	0
31754			.153	.747	.647	13.3	48.3	7.40	12.86	4	C	0
31754A			.153	.743	.652	13.2	48.0	6.42	11.16	4	C	0
31755	3190D	Street J	.155	.751	.642	13.6	48.7	3.84	6.67	2	C	0
31755A			.156	.758	.633	13.8	49.3	3.16 3.76	5.49 6.54	4	C	0
31756			.156	.765	.625	14.0	49.9	17.74 11.97	30.83 20.81	5	C	0
31757			.158	.778	.608	14.6	51.1	6.92	12.03	5	C	0
31758			.150	.784	.602	14.0	51.6	2.32	4.03	1	C	0
31759			.150	.799	.582	14.4	53.0	2.99	5.20	3	C	0
31761	3186	Tycho D	.169	.714	.679	14.0	45.6	15.33	26.65	3	C	0
31762			.167	.725	.668	14.0	46.5	2.22	3.86	2	C	0
31764			.162	.742	.651	14.0	47.9	2.84	4.94	2	C	0
31764A	3191	Street M	.169	.740	.651	14.6	47.7	28.07	48.79	3	C	0
31765		Street S	.167	.754	.635	14.7	48.9	2.33	4.05	1	C	0
31765A		Street R	.164	.756	.634	14.5	49.1	2.86	4.97	2	C	0
31765B			.162	.755	.635	14.3	49.0	11.55	20.08	5	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31826B	3236B	Clavius DB	-.122	-.860	+.495	-13.8	-59.3	2.80	4.87	2	C	0
31826C			.128	.867	.482	14.9	60.1	2.95	5.13	1	C	0
31826D			.122	.869	.480	14.3	60.3	2.97	5.16	2	C	0
31827			.125	.879	.460	15.2	61.5	2.90	5.04	1	C	0
31827A			.122	.871	.476	14.4	60.6	3.00	5.21	4	C	0
31828			.122	.889	.441	15.5	62.7	2.82	4.90	2	C	0
31829	3258	Blancanus D	.128	.893	.431	16.5	63.3	14.04	24.40	2	C	0
31829A			.128	.892	.434	16.4	63.1	2.57	4.47	3	C	0
31831			.137	.814	.564	13.6	54.5	4.96	8.62	3	C	0
31832	3251B	Clavius MA	.140	.827	.544	14.4	55.8	2.93	5.09	1	C	0
31832A	3251C	Clavius MB	.133	.822	.554	13.5	55.3	2.81	4.88	2	C	0
31833	3235A	Clavius CA	.137	.840	.525	14.6	57.1	3.12 4.25	5.42 7.39	2	C	0
31834	3235	Clavius C	.130	.844	.520	14.0	57.6	11.84	20.58	1	C	0
31834A			.135	.847	.514	14.7	57.9	2.19	3.81	2	C	0
31835	3232	Clavius	.130	.852	.507	14.4	58.4	129.62	225.30	3	C	pp
31836	3236A	Clavius DA	.133	.867	.480	15.5	60.1	3.06	5.32	1	C	0
31837			.138	.874	.466	16.5	60.9	2.46	4.28	1	C	0
31837A			.131	.876	.464	15.8	61.2	6.85	11.91	4f	C	0
31838			.130	.883	.451	16.1	62.0	4.60	8.00	3	C	0
31838A			.134	.883	.450	16.6	62.0	4.05	7.04	3	C	0
31839			.132	.894	.428	17.1	63.4	2.40	4.17	1	C	0
31840			.143	.801	.581	13.8	53.2	2.22	3.86	1	C	0
31840A			.145	.805	.575	14.1	53.6	7.60	13.21	5f	C	0
31841			.143	.815	.562	14.3	54.6	10.58	18.39	4f	C	0
31844	3241C	Clavius Y	.147	.846	.513	16.0	57.8	4.09	7.11	1	C	0
31844A			.145	.842	.520	15.6	57.4	2.39	4.15	2	C	0
31844B			.141	.844	.517	15.2	57.6	15.83 11.93	27.51 20.74	5f	C	0
31844C			.143	.845	.515	15.5	57.7	3.84	6.67	2	C	0
31844D			.142	.847	.512	15.5	57.9	3.00	5.21	2	C	0
31845			.147	.857	.494	16.6	59.0	2.10	3.65	1	C	0
31845A			.146	.859	.491	16.6	59.2	3.23	5.61	2	C	0
31846			.149	.860	.488	17.0	59.3	3.07	5.34	1	C	0
31847A	(3243A)		.142	.872	.468	16.9	60.7	3.05	5.30	2	C	0
31847B			.147	.879	.454	18.0	61.5	2.20	3.82	2	C	0
31847C	(3243A)	Clavius TA	.142	.871	.470	16.8	60.6	3.00	5.21	1	C	0
31848	3258A	Blancanus J	.143	.884	.445	17.8	62.1	4.80	8.34	2	C	0
31850	3251A	Clavius R	.158	.801	.577	15.3	53.2	4.22	7.33	1	C	0
31851			.151	.815	.559	15.1	54.6	3.66	6.36	3	C	0
31852	3241B	Clavius W	.155	.827	.540	16.0	55.8	3.15	5.48	1	C	0
31853	3241A	Clavius O	.155	.837	.525	16.5	56.8	2.41	4.19	2	C	0
31854	3241	Clavius N	.151	.842	.518	16.3	57.4	7.35	12.78	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31854A			-.155	-.848	+.507	-17.0	-58.0	2.25	3.91	1	C	0
31854B			.150	.849	.507	16.5	58.1	2.00	3.48	1	C	0
31855			.152	.857	.492	17.2	59.0	3.04	5.28	1	C	0
31855A			.151	.854	.498	16.9	58.6	2.59	4.50	1	C	0
31855B			.157	.852	.499	17.5	58.4	2.00	3.48	1	C	0
31856A			.157	.860	.486	17.9	59.3	2.84	4.94	2	C	0
31856B			.153	.863	.481	17.6	59.7	2.44	4.24	1	C	0
31856C	(3238C)	Clavius X	.150	.866	.477	17.5	60.0	4.00	6.95	1	C	0
31856D	(3238C)		.150	.867	.475	17.5	60.1	3.70	6.43	2	C	0
31856E			.152	.860	.487	17.3	59.3	2.25	3.91	2	C	0
31859		Blancanus V	.156	.899	.409	20.9	64.0	3.93	6.83	1	C	0
31860			.163	.800	.577	15.8	53.1	9.52	16.55	4f	C	0
31861			.169	.812	.559	16.8	54.3	7.64	13.28	4f	C	0
31863			.167	.833	.527	17.6	56.4	2.05	3.56	3	C	0
31864	3237	Clavius J	.163	.847	.506	17.9	57.9	7.04	12.24	2	C	0
31864A			.169	.846	.506	18.5	57.8	2.22	3.86	2	C	0
31865	3237A	Clavius JA	.167	.856	.489	18.8	58.9	4.66	8.10	3	C	0
31866	3238	Clavius K	.166	.869	.466	19.6	60.3	11.44	19.88	2	C	p
31867		Blancanus W	.168	.874	.456	20.2	60.9	4.90	8.52	1	C	0
31867A			.160	.874	.459	19.2	60.9	3.45	6.00	2	C	0
31868			.166	.885	.435	20.9	62.3	3.04	5.28	2	C	0
31869	3254	Blancanus	.163	.896	.413	21.5	63.6	60.60	105.33	2	C	pp
31870			.170	.808	.564	16.8	53.9	14.22	24.72	4f	C	0
31870A			.176	.809	.561	17.4	54.0	2.09	3.63	2	C	0
31874	3237B	Clavius JB	.177	.844	.506	19.3	57.6	2.64	4.59	1	C	0
31874A			.179	.846	.502	19.6	57.8	2.25	3.91	1	C	0
31876			.179	.861	.476	20.6	59.4	4.66	8.10	3	C	0
31877			.177	.873	.454	21.3	60.8	3.03	5.27	3	C	0
31880			.181	.805	.565	17.8	53.6	2.05	3.56	2	C	0
31880A			.189	.809	.557	18.8	54.0	19.84	34.48	4	C	0
31881			.187	.815	.548	18.8	54.6	4.96	8.62	3	C	0
31881A			.184	.813	.552	18.4	54.4	5.80 4.63	10.08 8.05	3	C	0
31882			.186	.820	.541	19.0	55.1	4.95	8.60	3f	C	0
31883	3240B	Clavius LA	.181	.831	.526	19.0	56.2	5.08	8.83	1	C	0
31883A			.180	.835	.520	19.1	56.6	3.93	6.83	2	C	0
31885	3240	Clavius L	.188	.854	.485	21.2	58.6	14.04	24.40	2	C	p
31886	3238B	Clavius KA	.184	.867	.463	21.7	60.1	4.88	8.48	2	C	0
31886A			.186	.865	.466	21.8	59.9	2.05	3.56	2	C	0
31886B			.186	.864	.468	21.7	59.8	2.10	3.65	2	C	0
31887			.181	.872	.455	21.7	60.7	3.13	5.44	1	C	0
31887A			.184	.879	.440	22.7	61.5	34.15	59.36	4	C	0
31887B			.186	.870	.457	22.2	60.5	3.60	6.26	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31766			-.169	-.763	+.624	-15.2	-49.7	3.07	5.34	3	C	0
31766A			.162	.760	.629	14.4	49.5	3.35 3.26	5.82 5.67	4	C	0
31767			.164	.779	.605	15.2	51.2	5.13	8.92	4	C	0
31767A			.169	.776	.608	15.5	50.9	4.93	8.57	3	C	0
31767B			.168	.772	.613	15.3	50.5	4.94	8.59	4	C	0
31768	2714	Clavius H	.168	.787	.594	15.8	51.9	19.52	33.93	3f	C	0
31770	3186B	Tycho K	.174	.708	.684	14.3	45.1	3.39	5.89	2	C	0
31772	3190C	Street G	.178	.727	.663	15.0	46.6	6.10	10.60	3	C	0
31772A			.170	.728	.664	14.4	46.7	9.61	16.70	4	C	0
31774	3198	Street C	.176	.748	.640	15.4	48.4	6.88 8.57	11.96 14.90	2	C	0
31775		Street T	.170	.757	.631	15.1	49.2	5.03	8.74	2	C	0
31777			.176	.774	.608	16.1	50.7	3.98	6.92	3	C	0
31777A			.170	.771	.614	15.5	50.4	2.55	4.43	1	C	0
31777B			.172	.773	.611	15.7	50.6	4.58	7.96	3	C	0
31777C			.179	.776	.605	16.5	50.9	3.80	6.60	3	C	0
31777D			.173	.770	.614	15.7	50.4	6.13	10.65	4	C	0
31778			.171	.781	.601	15.9	51.4	3.50	6.08	1	C	0
31778A			.177	.788	.590	16.7	52.0	2.76	4.80	3	C	0
31778B			.176	.784	.595	16.5	51.6	2.96	5.14	4	C	0
31779			.179	.790	.586	17.0	52.2	6.92	12.03	4	C	0
31780			.188	.706	.683	15.4	44.9	6.06	10.53	3	C	0
31780A			.189	.700	.689	15.3	44.4	5.93	10.31	4	C	0
31781			.183	.714	.676	15.2	45.6	40.27	70.00	4	C	0
31782		Brown K	.185	.727	.661	15.6	46.6	8.39 9.06	14.58 15.75	2	C	p?
31783			.182	.740	.648	15.7	47.7	2.85	4.95	2	C	0
31783A			.183	.730	.658	15.5	46.9	7.20	12.51	4	C	0
31784			.185	.743	.643	16.0	48.0	6.96	12.10	2	C	0
31784A			.186	.744	.642	16.2	48.1	2.46	4.28	2	C	0
31785			.186	.754	.630	16.4	48.9	3.38	5.87	3	C	0
31785A			.181	.758	.627	16.1	49.3	3.99	6.94	3	C	0
31785B			.189	.759	.623	16.9	49.4	3.95	6.87	4	C	0
31787			.189	.771	.608	17.3	50.4	2.66	4.62	3	C	0
31787A			.189	.779	.598	17.5	51.2	4.54	7.89	3	C	0
31787B			.186	.770	.610	16.9	50.4	4.44	7.72	3	C	0
31788			.180	.784	.594	16.9	51.6	2.09	3.63	1	C	0
31788A			.187	.785	.591	17.6	51.7	6.04	10.50	2	C	0
31789	2709A	Longomontanus X	.183	.798	.574	17.7	52.9	2.90	5.04	1	C	0
31790	2711B	Brown B	.197	.703	.683	16.1	44.7	6.84	11.89	2	C	0
31790A	3186A	Tycho H	.192	.710	.678	15.8	45.2	4.67	8.12	1	C	0
31790B			.197	.707	.679	16.2	45.0	4.78	8.31	3	C	0
31790C			.191	.704	.684	15.6	44.7	2.46	4.28	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31790D			-.194	-.701	+.686	-15.8	-44.5	2.46	4.28	2	C	0
31791	2711D	Brown D	.193	.720	.667	16.1	46.1	11.71	20.35	2	C	0
31791A			.198	.712	.674	16.4	45.4	2.04	3.55	1	C	0
31791B			.196	.710	.676	16.2	45.2	5.39	9.37	3	C	0
31793	2711C	Brown C	.197	.738	.645	17.0	47.6	7.40	12.86	2	C	0
31793A			.191	.732	.654	16.3	47.1	10.63	18.48	4	C	0
31793B			.195	.734	.651	16.7	47.2	9.87 8.44	17.16 14.67	4	C	0
31793C			.199	.736	.647	17.1	47.4	4.24	7.37	4	C	0
31794	2711A	Brown A	.199	.745	.637	17.4	48.2	9.15	15.90	2	C	0
31794A	3200A	Street F	.190	.746	.638	16.6	48.2	4.46	7.75	2	C	0
31794B			.191	.740	.645	16.5	47.7	4.91	8.53	2	C	p
31794C			.192	.743	.641	16.7	48.0	5.82	10.12	5	C	0
31795			.197	.752	.629	17.4	48.8	2.95	5.13	2	C	0
31795A			.199	.750	.631	17.5	48.6	3.75	6.52	3	C	0
31796			.190	.762	.619	17.1	49.6	5.14	8.93	3	C	0
31797			.195	.773	.604	17.9	50.6	3.93	6.83	3	C	0
31798	2708A	Longomontanus E	.193	.781	.594	18.0	51.4	4.37	7.60	3	C	0
31798A			.199	.787	.584	18.8	51.9	2.44	4.24	2	C	0
31798B			.195	.789	.583	18.5	52.1	5.14	8.93	4	C	0
31799			.197	.795	.574	19.0	52.7	4.45	7.73	2	C	0
31799A			.195	.799	.569	18.9	53.0	2.97	5.16	1	C	0
31800			.100	.808	.581	9.8	53.9	3.11	5.41	2	C	0
31801	3251D	Clavius MC	.104	.817	.567	10.4	54.8	6.71	11.66	1	C	0
31801A			.108	.812	.574	10.7	54.3	2.01	3.49	2	C	0
31802	3234A	Clavius BA	.106	.825	.555	10.8	55.6	4.03	7.00	1	C	0
31807	3233	Rutherfurd	.102	.874	.475	12.1	60.9	27.80 30.79	48.32 53.52	2	C	P
31809			.107	.894	.435	13.8	63.4	6.00	10.43	3	C	0
31809A			.108	.897	.429	14.1	63.8	6.85	11.91	3	C	0
31810			.117	.808	.577	11.5	53.9	2.03	3.53	2	C	0
31811	3251	Clavius M	.119	.817	.564	11.9	54.8	25.21	43.82	4	C	0
31813	3235B	Clavius CB	.119	.839	.531	12.6	57.0	5.26	9.14	1	C	0
31815	3236	Clavius D	.110	.854	.509	12.2	58.6	16.36	28.44	1	C	pK?
31817			.117	.872	.475	13.8	60.7	4.54	7.89	4	C	0
31819			.114	.892	.437	14.6	63.1	16.13	28.04	5	C	0
31820			.125	.802	.584	12.1	53.3	3.27	5.68	3	C	0
31821			.121	.811	.572	11.9	54.2	4.20	7.30	3	C	0
31821A			.123	.810	.573	12.1	54.1	5.05	8.78	4	C	0
31821B			.127	.813	.568	12.6	54.4	2.83	4.92	2	C	0
31821C			.129	.811	.571	12.7	54.2	2.69	4.68	2	C	0
31826	3243	Clavius T	.127	.869	.478	14.9	60.3	5.93	10.31	2	C	0
31826A	3243B	Clavius TB	.124	.865	.486	14.3	59.9	3.47	6.03	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31889			-.181	-.895	+.408	-23.9	-63.5	3.33	5.79	1	C	0
31889A			.187	.898	.398	25.2	63.9	3.85	6.69	3	C	0
31890	2709	Longomontanus C	.194	.804	.562	19.0	53.5	18.04	31.36	2f	C	0
31891			.195	.819	.540	19.9	55.0	25.36	44.08	4	C	0
31893			.193	.835	.515	20.5	56.6	2.55	4.43	1	C	0
31893A			.197	.830	.522	20.7	56.1	14.00	24.33	5	C	0
31893B			.199	.832	.518	21.0	56.3	2.20	3.82	2	C	0
31894			.196	.843	.501	21.4	57.5	2.27	3.95	2	C	0
31895			.195	.858	.475	22.3	59.1	2.57	4.47	1	C	0
31896			.193	.861	.471	22.3	59.4	2.31	4.02	2	C	0
31896A			.197	.862	.467	22.9	59.5	2.00	3.48	1	C	0
31897	3257C	Blancanus K	.194	.871	.451	23.3	60.6	6.52	11.33	1	C	0
31897A			.193	.875	.444	23.5	61.0	9.88	17.17	4f	C	0
31897B			.194	.872	.449	23.3	60.7	7.30	12.69	3	C	0
31897C			.190	.871	.453	22.8	60.6	4.03	7.00	2	C	0
31899	3257B	Blancanus G	.192	.892	.409	25.1	63.1	4.88	8.48	1	C	0
31899A		Blancanus N	.195	.894	.403	25.8	63.4	6.28	10.92	1	C	0
31899B			.199	.890	.410	25.9	62.9	3.20	5.56	1	C	0
31900			.106	.908	.405	14.7	65.2	2.90	5.04	2	C	0
31900A			.102	.901	.422	13.6	64.3	16.20	28.16	4f	C	0
31900B			.108	.906	.409	14.8	65.0	10.20	17.73	5	C	0
31901	3263A	Gruemberger C	.108	.912	.396	15.3	65.8	7.47 5.70	12.98 9.91	2	C	0
31901A			.102	.912	.397	14.4	65.8	2.90	5.04	1	C	0
31902			.108	.922	.372	16.2	67.2	2.10	3.65	1	C	0
31903			.103	.934	.342	16.8	69.1	3.13	5.44	1	C	0
31904			.107	.945	.309	19.1	70.9	3.71	6.45	2	C	0
31905			.107	.950	.293	20.0	71.8	2.05	3.56	2	C	0
31905A			.109	.951	.289	20.6	72.0	2.57	4.47	2	C	0
31905B			.105	.959	.263	21.7	73.5	3.08	5.35	2	C	0
31906			.103	.963	.249	22.5	74.4	23.22	40.36	4f	C	0
31906A			.105	.969	.224	25.2	75.7	25.57	44.44	4f	C	0
31907			.103	.971	.216	25.5	76.2	7.74	13.45	3	C	0
31908	3310A	Newton E	.106	.984	.143	36.5	79.7	9.78	17.00	1	C	0
31908A			.106	.980	.168	32.2	78.5	20.33	35.34	3	C	?
31908B			.108	.987	.119	42.2	80.8	12.83	22.30	3	C	?
31909	3320	Cabeus B	.106	.991	.082	52.4	82.3	34.91	60.68	2	C	?
31910			.119	.906	.406	16.3	65.0	2.10	3.65	2	C	0
31910A			.115	.908	.403	15.9	65.2	2.47	4.29	2	C	0
31912			.113	.923	.368	17.1	67.4	2.15	3.74	2	C	0
31912A			.111	.927	.358	17.2	68.0	2.05	3.56	2	C	0
31912B			.117	.920	.374	17.4	66.9	2.59	4.50	2	C	0
31913	3284A	Klaproth C	.119	.934	.337	19.5	69.1	3.98	6.92	2	C	0
31913A			.110	.936	.334	18.2	69.4	2.54	4.41	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31913B			-.113	-.934	+.339	-18.4	-69.1	4.01	6.97	3	C	0
31913C			.116	.935	.335	19.1	69.2	4.20	7.30	3	C	0
31914	3285A	Klaproth D	.118	.941	.317	20.4	70.2	4.37	7.60	2	C	0
31914A			.113	.945	.307	20.2	70.9	4.70	8.17	2	C	0
31914B			.117	.947	.299	21.4	71.3	5.77	10.03	3	C	0
31915	3295A	Casatus H	.112	.951	.288	21.2	72.0	20.01	34.78	3	C	0
31917			.112	.975	.192	30.3	77.2	6.48	11.26	3	C	?
31917A			.119	.972	.203	30.4	76.4	8.61	14.97	3	C	0
31918			.115	.983	.143	38.8	79.4	6.90	11.99	1	C	0
31918A			.119	.986	.117	45.5	80.4	3.49	6.07	1	C	0
31919			.118	.992	.045	69.2	82.7	39.09	67.94	4	C	?
31920			.124	.906	.405	17.0	65.0	2.06	3.58	1	C	0
31920A			.127	.903	.410	17.2	64.6	2.18	3.79	1	C	0
31920B			.129	.909	.396	18.0	65.4	10.78	18.74	4	C	p
31921			.127	.914	.385	18.2	66.1	2.40	4.17	1	C	0
31921A			.128	.912	.390	18.2	65.8	3.65	6.34	1	C	0
31923			.128	.931	.342	20.5	68.6	7.42	12.90	3	C	0
31924			.122	.946	.300	22.1	71.1	4.44	7.72	2	C	0
31925	3285	Klaproth B	.129	.951	.281	24.7	72.0	6.52	11.33	3	C	0
31925A			.125	.954	.273	24.6	72.6	4.81	8.36	2	C	0
31925B			.120	.955	.271	23.9	72.7	4.21	7.32	3	C	0
31925C			.120	.956	.268	24.1	72.9	4.92	8.55	3	C	0
31926			.126	.963	.238	27.9	74.4	2.94	5.11	1	C	0
31926A			.128	.968	.216	30.7	75.5	4.06	7.06	1	C	0
31927	3295	Casatus F	.127	.972	.198	32.7	76.4	28.63	49.76	4	C	0
31928			.126	.986	.109	49.1	80.4	4.17	7.25	1	C	0
31928A			.128	.984	.124	45.9	79.7	3.78	6.57	2	C	0
31929			.123	.992	.000	90.0	82.9	5.00	8.69	2	C	0
31930			.133	.904	.406	18.1	64.7	2.30	4.00	2	C	0
31931			.136	.916	.377	19.8	66.3	9.45	16.43	3f	C	0
31931A			.130	.913	.387	18.6	65.9	2.18	3.79	2	C	0
31932	3284	Klaproth A	.137	.928	.346	21.6	68.1	17.43	30.30	2	C	0
31933			.130	.932	.338	21.0	68.7	5.08	8.83	2	C	0
31933A			.138	.933	.332	22.5	68.9	10.55 7.62	18.34 13.24	4f	C	0
31934			.130	.947	.294	23.9	71.3	2.50	4.35	2	C	0
31934A			.137	.942	.306	24.1	70.4	2.10	3.65	2	C	0
31936		Casatus FA	.131	.969	.209	32.0	75.7	17.25	29.98	3f	C	0
31937			.131	.977	.168	37.9	77.7	11.14	19.36	3	C	0
31938			.135	.984	.116	49.3	79.7	3.88	6.74	2	C	0
31938A			.136	.987	.086	57.8	80.8	21.70	37.72	2	C	?
31941	3259	Blancanus E	.145	.918	.369	21.4	66.6	21.08	36.64	3f	C	0
31941A			.146	.916	.374	21.3	66.3	2.57	4.47	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31944			-.140	-.949	+.282	-26.4	-71.6	3.82	6.64	1	C	0
31946	3295B	Casatus J	.146	.962	.231	32.3	74.2	12.35	21.47	2	C	0
31946A			.141	.964	.225	32.0	74.6	3.27	5.68	1	C	0
31947			.142	.975	.171	39.7	77.2	10.65	18.51	3	C	?
31947A			.147	.970	.194	37.2	75.9	9.00	15.64	3	C	0
31948			.143	.989	.038	75.2	81.5	3.78	6.57	1	C	0
31948A			.147	.988	.047	72.1	81.1	2.81	4.88	1	C	0
31950	3255	Blancanus A	.159	.902	.401	21.6	64.4	3.15	5.48	1	C	0
31950A			.154	.902	.403	20.9	64.4	2.45	4.26	2	C	0
31950B			.152	.900	.409	20.4	64.2	3.17	5.51	1	C	0
31950C			.153	.903	.401	20.9	64.6	2.02	3.51	1	C	0
31950D			.158	.907	.390	22.0	65.1	2.85	4.95	2	C	0
31951			.153	.910	.385	21.7	65.5	4.15	7.21	3	C	0
31952			.151	.929	.338	24.1	68.3	4.67	8.12	3	C	0
31952A			.157	.929	.335	25.1	68.3	11.19	19.45	4f	C	0
31953	3283	Klaproth	.152	.938	.312	26.0	69.7	68.33	118.77	4f	C	0
31953A			.155	.939	.307	26.8	69.9	2.16	3.75	1	C	0
31955	3292	Casatus C	.152	.950	.273	29.1	71.8	9.63	16.74	1	C	0
31955A	3289	Casatus	.152	.954	.258	30.5	72.6	64.04	111.31	3f	C	0
31955B			.156	.956	.248	32.1	72.9	2.35	4.08	1	C	0
31957			.151	.972	.180	40.0	76.4	2.28	3.96	2	C	0
31957A			.152	.974	.168	42.1	76.9	6.24	10.85	3	C	0
31957B			.153	.976	.155	44.6	77.4	8.64	15.02	2	C	0
31957C			.154	.972	.177	40.9	76.4	2.30	4.00	2	C	0
31957D	3293	Casatus D	.155	.975	.159	44.2	77.2	20.60	35.81	4f	C	0
31958	3294	Casatus E	.151	.982	.113	53.1	79.1	23.52	40.88	3	C	0
31958A			.150	.987	.058	69.0	80.8	4.07	7.07	3	C	0
31960			.161	.901	.403	21.8	64.3	3.05	5.30	3	C	0
31961	3255A	Blancanus H	.165	.910	.380	23.5	65.5	3.86	6.71	2	C	0
31961A			.161	.919	.360	24.1	66.8	2.15	3.74	2	C	0
31961B			.169	.919	.356	25.4	66.8	2.94	5.11	3	C	0
31962			.165	.925	.342	25.7	67.7	2.08	3.62	2	C	0
31962A			.165	.923	.348	25.4	67.4	2.02	3.51	2	C	0
31964			.161	.944	.288	29.2	70.7	4.84	8.41	2	C	0
31965			.164	.952	.258	32.4	72.2	4.84	8.41	3	C	0
31965A			.168	.957	.236	35.4	73.1	3.20	5.56	3	C	0
31965B			.167	.958	.233	35.6	73.3	3.27	5.68	2	C	0
31966			.169	.960	.223	37.1	73.7	4.19	7.28	2	C	0
31966A			.169	.969	.180	43.2	75.7	3.67	6.38	1	C	0
31966B			.161	.964	.212	37.3	74.6	2.71	4.71	2	C	0
31967			.166	.972	.166	44.9	76.4	19.55	33.98	5f	C	0
31968			.165	.983	.081	64.0	79.4	3.75	6.52	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31968A			-.168	-.984	+.059	-70.5	-79.7	3.88	6.74	1	C	0
31968B			.169	.980	.105	58.1	78.5	3.66	6.36	1	C	0
31970			.177	.907	.382	24.9	65.1	16.02	27.85	3	C	0
31970A			.170	.903	.395	23.3	64.6	3.45	6.00	1	C	0
31971			.170	.916	.363	25.1	66.3	3.56	6.19	1	C	0
31971A			.170	.918	.358	25.4	66.6	4.89	8.50	4	C	0
31971B			.174	.912	.371	25.1	65.8	5.47	9.51	3	C	0
31972			.179	.927	.330	28.5	68.0	3.13	5.44	2	C	0
31972A			.170	.926	.337	26.8	67.8	2.25	3.91	2	C	0
31974	(3291)	Klaproth M	.177	.941	.288	31.5	70.2	18.58	32.29	4	C	0
31974A			.174	.944	.280	31.8	70.7	7.25	12.60	3	C	0
31974B			.175	.945	.276	32.3	70.9	2.35	4.08	1	C	0
31974C			.174	.947	.270	32.8	71.3	4.65	8.08	1	C	0
31975			.173	.955	.241	35.7	72.7	5.87	10.20	1	C	0
31975A			.174	.952	.252	34.6	72.2	2.36	4.10	2	C	0
31976	3290A	Casatus K	.171	.966	.194	41.4	75.0	20.36	35.39	2f	C	0
31976A			.171	.967	.189	42.2	75.2	4.02	6.99	2	C	0
31976B			.171	.961	.217	38.2	73.9	2.91	5.06	1	C	0
31976C			.178	.961	.212	40.1	73.9	3.68	6.40	2	C	0
31978	(3294A)	Drygalski	.180	.982	.057	72.4	79.1	101.28	176.04	2	C	P
31978A			.170	.981	.093	61.2	78.8	4.65	8.08	1	C	0
31978B			.170	.980	.103	58.7	78.5	18.96	32.96	3	C	0
31978C			.179	.980	.087	64.1	78.5	22.92	39.84	3	C	0
31981	3257	Blancanus C	.187	.917	.352	28.0	66.5	26.41	45.90	2f	C	0
31982			.187	.927	.325	29.9	68.0	4.35	7.56	2	C	0
31982A			.188	.929	.319	30.5	68.3	3.96	6.88	3	C	0
31982B			.180	.920	.348	27.3	66.9	3.07	5.34	2	C	0
31983	(3256)	Klaproth G	.189	.931	.312	31.2	68.6	17.29	30.05	2f	C	0
31983A			.183	.938	.294	31.9	69.7	2.08	3.62	2	C	0
31984			.183	.942	.281	33.0	70.4	9.90	17.21	3	C	0
31984A			.189	.949	.252	36.8	71.6	9.29	16.15	4	C	0
31985	3290	Casatus A	.184	.956	.228	38.8	72.9	29.00	50.41	4	C	0
31985A		Casatus AA	.185	.959	.215	40.8	73.5	8.92	15.50	3	C	0
31985B			.183	.954	.237	37.6	72.6	31.17	54.18	5	C	?
31986			.183	.965	.188	44.3	74.8	8.71	15.14	2	C	0
31986A			.189	.965	.182	46.1	74.8	2.15	3.74	2	C	0
31987			.182	.975	.127	55.0	77.2	4.65	8.08	2	C	0
31990	3257A	Blancanus F	.193	.907	.374	27.3	65.1	4.94	8.59	1	C	0
31991			.196	.915	.353	29.1	66.2	6.95	12.08	3	C	0
31991A			.192	.912	.362	27.9	65.8	3.27	5.68	2	C	0
31992			.190	.924	.332	29.8	67.5	2.35	4.08	2	C	0
31992A			.197	.926	.322	31.5	67.8	3.69	6.41	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
31993		Klaproth H	-.192	-.936	+.295	-33.1	-69.4	23.27	40.45	4f	C	0
31994			.193	.948	.253	37.3	71.4	2.97	5.16	1	C	0
31995			.199	.953	.228	41.1	72.4	6.60	11.47	2	C	0
31996			.193	.963	.188	45.7	74.4	11.81	20.53	4f	C	0
31997			.191	.971	.144	53.0	76.2	7.75	13.47	1	C	0
31997A			.197	.973	.120	58.6	76.7	3.32	5.77	2	C	0
31997B			.191	.979	.071	69.5	78.2	7.59	13.19	3	C	0
31997C			.190	.971	.145	52.6	76.2	28.67	49.83	5f	C	0
31997D			.191	.974	.122	57.5	76.9	5.15	8.95	3	C	0
32005		Turner N	.208	.050	.977	12.0	2.9	2.01	3.49	1	C	0
32007	2923B	Turner M	.204	.074	.976	11.8	4.2	2.04	3.55	1	pM	0
32011		Turner Q	.215	.017	.976	12.4	1.0	1.76	3.06	1	pM	0
32014		Turner C	.212	.042	.976	12.3	2.4	3.02	5.25	3	C	0
32015	2922A	Turner L	.217	.060	.974	12.6	3.4	3.12	5.42	1	pM	0
32016			.216	.067	.974	12.5	3.8	2.13	3.70	3	pM	0
32016A			.215	.065	.974	12.4	3.7	2.43	4.22	3	pM	0
32020		Gambart S	.228	.001	.974	13.2	0.1	1.51	2.62	1	pM	0
32022	2922	Turner	.228	.024	.973	13.2	1.4	6.82	11.85	1	pM	0
32024	2921A	Turner H	.224	.049	.973	13.0	2.8	2.40	4.17	1	pM	0
32028			.220	.087	.972	12.8	5.0	17.81	30.96	5	aM	0
32032			.234	.024	.972	13.5	1.4	6.26	10.88	4f	aM	0
32036	2923A	Turner K	.231	.067	.971	13.4	3.8	2.04	3.55	1	pM	0
32042	2923	Turner F	.243	.028	.970	14.1	1.6	4.23	7.35	1	pM	0
32050	1502F	Gambart N	.257	.010	.966	14.9	0.6	2.61	4.54	1	pM	0
32051		Turner A	.254	.019	.967	14.7	1.1	3.16	5.49	3	pM	0
32056			.258	.066	.964	15.0	3.8	2.91	5.06	2	C	0
32056A		Fra Mauro Z	.252	.066	.965	14.6	3.8	2.98	5.18	2	C	0
32059		Fra Mauro HB	.256	.090	.962	14.9	5.2	1.37	2.38	1	pM	0
32063		Fra Mauro R	.268	.039	.963	15.6	2.2	1.98	3.44	1	pMC	0
32067		Fra Mauro HA	.265	.070	.962	15.4	4.0	3.79	6.59	2	pMC	0
32067A	2901B	Fra Mauro H	.267	.072	.961	15.5	4.1	3.60	6.26	1	pMC	0
32071			.279	.012	.960	16.2	0.7	5.16	8.97	5	C	0
32074			.278	.045	.960	16.2	2.6	2.28	3.96	1	C	0
32077			.275	.073	.959	16.0	4.2	14.16	24.61	5f	aMC	0
32079			.271	.091	.958	15.8	5.2	6.02	10.46	4f	aMC	0
32082		Fra Mauro W	.289	.023	.957	16.8	1.3	2.37	4.12	1	C	0
32082A			.282	.021	.959	16.4	1.2	4.25	7.39	5	C	0
32083	2901A	Fra Mauro G	.280	.039	.959	16.3	2.2	3.38	5.87	1	C	0
32084		Fra Mauro K	.288	.044	.957	16.8	2.5	3.53	6.14	2	C	0
32084A			.283	.041	.958	16.5	2.3	2.59	4.50	3	C	0
32087		Fra Mauro Y	.287	.071	.955	16.7	4.1	2.16	3.75	1	C	0
32089		Fra Mauro P	.283	.095	.954	16.5	5.5	1.86	3.23	1	pM	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
32097		Fra Mauro X	-.297	-.079	+.952	-17.3	-4.5	11.76	20.44	4	aMC	0
32099		Fra Mauro N	.298	.093	.950	17.4	5.3	1.76	3.06	1	pM	0
32107	2858A	Guericke E	.205	.174	.963	12.0	10.0	2.34	4.07	1	pM	0
32111	2882	Parry C	.218	.119	.969	12.7	6.8	1.77	3.08	1	pM	0
32127		Guericke S	.228	.179	.957	13.4	10.3	5.17 3.91	8.99 6.80	3f	aM	0
32127A			.229	.178	.957	13.5	10.3	2.01	3.49	1	pM	0
32128	2858C	Guericke J	.228	.184	.956	13.4	10.6	4.05	7.04	3f	aMC	0
32136			.239	.160	.958	14.0	9.2	7.60	13.21	5f	aMC	0
32144			.247	.147	.958	14.5	8.5	14.86	25.83	5f	aMC	0
32145	2883A	Parry M	.248	.154	.956	14.5	8.9	15.06	26.18	4f	aMC	0
32148			.248	.181	.952	14.6	10.4	8.83	15.35	5	aMC	0
32150		Parry L	.252	.109	.962	14.7	6.3	4.09	7.11	3f	M	0
32153	2882B	Parry F	.252	.133	.959	14.7	7.6	2.20	3.82	1	pM	0
32158			.255	.188	.948	15.0	10.8	5.47	9.51	5	aMC	0
32158A			.256	.182	.949	15.1	10.5	5.39	9.37	5	aMC	0
32162			.265	.122	.956	15.5	7.0	6.24 3.95	10.85 6.87	5	C	0
32163	2879	Parry	.269	.136	.953	15.8	7.8	26.51	46.08	3f	aMC	0
32163A	2883	Parry D	.268	.137	.954	15.7	7.9	1.61	2.80	1	pMC	0
32169			.264	.194	.945	15.6	11.2	9.37	16.29	5	aMC	0
32174	2882A	Parry E	.278	.146	.949	16.3	8.4	3.54	6.15	1	pMC	0
32175			.279	.151	.948	16.4	8.7	10.75	18.69	4	aMC	0
32176	2880	Parry A	.271	.165	.948	15.9	9.5	7.73	13.44	2f	M	0
32179			.271	.194	.943	16.0	11.2	4.85 7.62	8.43 13.24	5	aMC	0
32180	2900	Fra Mauro E	.287	.104	.952	16.8	6.0	2.16	3.75	1	pMC	0
32181	2900A	Fra Mauro F	.289	.117	.950	16.9	6.7	1.74	3.02	1	pM	0
32190	2897	Fra Mauro	.290	.104	.951	17.0	6.0	54.34	94.45	4	aMC	0
32194	2867	Bonpland	.295	.145	.944	17.3	8.3	34.41	59.81	4	aMC	0
32197	2873	Bonpland C	.295	.177	.939	17.4	10.2	2.13	3.70	1	pM	0
32199	2854	Guericke A	.291	.193	.937	17.3	11.1	2.75	4.78	1	pM	0
32209	3023	Lassell F	.206	.294	.933	12.4	17.1	2.95	5.13	1	pM	0
32212		Guericke M	.210	.223	.952	12.4	12.9	1.32	2.29	1	pM	0
32222			.227	.228	.947	13.5	13.2	5.85	10.17	5f	aMC	0
32226	2858D	Guericke K	.222	.261	.939	13.3	15.1	1.92	3.34	1	pM	0
32230	2853	Guericke	.239	.200	.950	14.1	11.5	33.57	58.35	4	aMC	0
32233			.234	.234	.944	13.9	13.5	12.14	21.10	4f	aMC	0
32240	2858	Guericke D	.246	.207	.947	14.6	11.9	4.40	7.65	1	pMC	0
32241	2858B	Guericke H	.240	.215	.947	14.2	12.4	3.26	5.67	1	pM	0
32243			.245	.232	.941	14.6	13.4	5.08	8.83	5f	aMC	0
32243A			.245	.235	.941	14.6	13.6	4.40	7.65	5f	aMC	0
32243B			.249	.236	.939	14.8	13.7	3.47 2.28	6.03 3.96	5f	aMC	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
32243C			-.249	-.234	+.940	-14.8	-13.5	2.73	4.75	5f	aMC	0
32244			.245	.247	.938	14.6	14.3	8.07	14.03	4f	aM	0
32245		Guericke P	.244	.259	.935	14.6	15.0	1.96	3.41	1	pM	0
32251	2857	Guericke F	.258	.212	.943	15.3	12.2	13.52	23.50	4f	aMC	0
32253			.250	.231	.940	14.9	13.4	2.44	4.24	3	aMC	0
32254	2855A	Guericke G	.251	.242	.937	15.0	14.0	2.88	5.01	1	pM	0
32255	2855	Guericke B	.255	.251	.934	15.3	14.5	8.98	15.61	2f	pM	0
32283	2839	Opelt K	.285	.235	.929	17.1	13.6	2.71	4.71	1	pM	0
32287		Opelt H	.286	.272	.919	17.3	15.8	1.64	2.85	1	pM	0
32288		Opelt G	.283	.289	.915	17.2	16.8	2.24	3.89	1	pM	0
32288A	2852	Opelt	.289	.280	.915	17.5	16.3	29.32	50.96	4f	aM	0
32299	2818	Opelt E	.293	.293	.910	17.8	17.0	4.58	7.96	1	pM	0
32307	3055	Nicollet	.200	.373	.906	12.4	21.9	8.76	15.23	1	pM	0
32314	3057	Nicollet B	.219	.344	.913	13.5	20.1	2.74	4.76	1	pM	0
32337		Wolf F	.239	.374	.896	14.9	22.0	1.47	2.56	2	pM	0
32339		Wolf H	.233	.390	.891	14.7	23.0	4.71	8.19	4f	aM	0
32339A			.230	.396	.889	14.5	23.3	1.75 3.29	3.04 5.72	3	pMC	0
32341		Gould U	.244	.312	.918	14.9	18.2	1.37	2.38	2	pM	0
32343		Gould Z	.246	.334	.910	15.1	19.5	1.37	2.38	2	pM	0
32347			.240	.374	.896	15.0	22.0	6.78	11.78	4f	aM	0
32349			.242	.394	.887	15.3	23.2	4.03	7.00	4f	aMC	0
32355		Gould Y	.255	.351	.901	15.8	20.5	1.47	2.56	1	pM	0
32359B		Wolf B	.259	.394	.882	16.4	23.2	8.84 6.99	15.37 12.15	4f	aMC	0
32366		Wolf S	.263	.362	.894	16.4	21.2	17.07	29.67	5f	aM	0
32368	3058	Wolf	.263	.387	.884	16.6	22.8	14.48	25.17	4f	aMC	0
32368A		Wolf G	.268	.383	.884	16.9	22.5	2.35	4.08	2	pMC	0
32371			.272	.315	.909	16.7	18.4	9.14	15.89	5f	aM	0
32372	2819C	Gould A	.276	.329	.903	17.0	19.2	1.95	3.39	1	pM	0
32372A	2819B	Gould P	.270	.322	.907	16.6	18.8	4.54	7.89	1	pM	0
32372B	2819A	Gould	.279	.329	.902	17.2	19.2	19.68	34.21	4f	aM	0
32374			.274	.342	.899	17.0	20.0	14.91	25.92	5f	aM	0
32375		Gould X	.271	.356	.894	16.9	20.9	1.47	2.56	1	pM	0
32380		Gould M	.282	.304	.910	17.2	17.7	23.79	41.35	5f	aM	0
32381		Gould N	.287	.315	.905	17.6	18.4	9.74	16.93	5f	aM	0
32384			.282	.343	.896	17.5	20.1	2.50	4.35	3	aM	0
32386			.286	.367	.885	17.9	21.5	17.33	30.12	5f	aM	0
32393			.294	.336	.895	18.2	19.6	4.99	8.67	4f	aM	0
32395	2819D	Gould B	.296	.350	.889	18.4	20.5	1.96	3.41	1	pM	0
32397	3058A	Wolf A	.292	.379	.878	18.4	22.3	3.48	6.05	1	pM	0
32399		Wolf T	.296	.397	.869	18.8	23.4	15.60	27.12	5f	aM	0
32404	2792A	Pitatus J	.209	.446	.870	13.5	26.5	2.84	4.94	1	pM	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
32409	2784	Pitatus	-.203	-.497	+.844	-13.5	-29.8	60.27	104.76	3	aMC	P
32415		Pitatus S	.215	.459	.862	14.0	27.3	6.90	11.99	4f	aM	0
32420		Wolf C	.228	.408	.884	14.5	24.1	1.52	2.64	1	pM	0
32426			.229	.462	.857	15.0	27.5	6.02	10.46	5f	aM	0
32436	2779A	Hesiodus E	.233	.467	.853	15.3	27.8	1.93	3.35	1	pM	0
32438			.237	.484	.842	15.7	28.9	5.87	10.20	4f	aMC	0
32438A			.239	.482	.843	15.8	28.8	3.65	6.34	3	pM	0
32438B			.235	.489	.840	15.6	29.3	2.88	5.01	3	C	0
32439			.235	.496	.836	15.7	29.7	3.92	6.81	3	C	0
32439A			.234	.499	.834	15.7	29.9	2.16	3.75	3	C	0
32446A		Hesiodus X	.248	.460	.853	16.2	27.4	13.58	23.60	5f	aM	0
32448	2780A	Hesiodus D	.245	.490	.837	16.3	29.3	2.84	4.94	1	pM	0
32449	2776	Hesiodus	.245	.491	.836	16.3	29.4	24.44	42.48	3f	aMC	0
32450		Wolf E	.257	.405	.877	16.3	23.9	1.25	2.17	1	pM	0
32453			.259	.439	.860	16.8	26.0	17.30	30.07	5f	aM	0
32456		Hesiodus XA	.257	.462	.849	16.8	27.5	2.35	4.08	2	pM	0
32456A		Hesiodus XB	.253	.465	.848	16.6	27.7	1.76	3.06	2	pM	0
32457			.250	.472	.845	16.5	28.2	15.45	26.85	5	aMC	p?
32465	2778	Hesiodus B	.267	.456	.849	17.5	27.1	5.93	10.31	1	pM	0
32467		Hesiodus Y	.261	.474	.841	17.2	28.3	9.52 7.02	16.55 12.20	4f	aMC	0
32468		Hesiodus U	.261	.481	.837	17.3	28.3	11.88	20.65	5f	aMC	0
32482	2806	Kies D	.287	.421	.860	18.4	24.9	3.46	6.01	1	pM	0
32498		Hesiodus Z	.292	.480	.827	19.4	28.7	2.13	3.70	2	pM	0
32504	2744A	Gauricus K	.201	.549	.811	13.9	33.3	3.04	5.28	1	C	0
32505A			.207	.558	.804	14.4	33.9	2.59	4.50	3	C	0
32505B		Wurzelbauer X	.207	.554	.806	14.4	33.6	3.82	6.64	1	C	0
32507	2755A	Wurzelbauer P	.201	.575	.793	14.2	35.1	4.93 6.25	8.57 10.86	3	C	0
32507A	2755	Wurzelbauer B	.205	.572	.794	14.5	34.9	14.11	24.53	3	C	0
32507B			.203	.578	.790	14.4	35.3	3.80	6.60	3	C	0
32507C			.205	.576	.791	14.5	35.2	3.59	6.24	2	C	0
32508	2754A	Wurzelbauer O	.204	.586	.784	14.6	35.9	4.96	8.62	3	C	0
32508A			.208	.588	.782	14.9	36.0	2.49	4.33	3	C	0
32508B			.201	.583	.787	14.3	35.7	3.60	6.26	3	C	0
32511		Pitatus R	.216	.517	.828	14.6	31.1	3.84	6.67	2	C	0
32511A			.219	.514	.829	14.8	30.9	2.18	3.79	2	C	0
32513	2752E	Wurzelbauer N	.216	.538	.815	14.8	32.5	6.74	11.72	2	C	0
32513A		Wurzelbauer Z	.217	.533	.818	14.9	32.2	6.75	11.73	2	C	0
32514		Wurzelbauer W	.220	.541	.812	15.2	32.8	4.64	8.07	2	C	0
32517	2756B	Wurzelbauer C	.212	.574	.791	15.0	35.0	5.93	10.31	1	C	0
32517A			.211	.576	.790	15.0	35.2	2.98	5.18	4	C	0
32518	2754	Wurzelbauer A	.215	.584	.783	15.4	35.7	8.78	15.26	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
32518A			-.212	-.589	+.780	-15.2	-36.1	2.98	5.18	3	C	0
32519			.210	.599	.773	15.2	36.8	30.52	53.05	4	C	0
32520		Pitatus U	.224	.509	.831	15.1	30.6	4.07	7.07	3	C	0
32520A			.227	.504	.833	15.2	30.3	2.88 4.78	5.01 8.31	4	C	0
32521			.225	.517	.826	15.2	31.1	4.26	7.40	3	C	0
32524			.223	.548	.806	15.5	33.2	2.98	5.18	3	C	0
32525	2752	Wurzelbauer	.228	.558	.798	15.9	33.9	47.18	82.01	4	C	0
32530	2792	Pitatus H	.232	.508	.830	15.6	30.5	8.66	15.05	3	aMC	p
32533	2752D	Wurzelbauer M	.233	.531	.815	16.0	32.1	2.72	4.73	1	C	0
32533A			.237	.532	.813	16.3	32.1	2.69	4.68	2	C	0
32537		Wurzelbauer EA	.234	.580	.780	16.7	35.5	2.91	5.06	1	C	0
32537A		Wurzelbauer HA	.230	.572	.787	16.3	34.9	2.06	3.58	1	C	0
32537B		Wurzelbauer HB	.238	.570	.786	16.8	34.8	2.19	3.81	2	C	0
32540		Hesiodus C	.242	.500	.832	16.2	30.0	2.95	5.13	4	C	0
32542			.249	.528	.812	17.0	31.9	7.94	13.80	5	C	0
32546		Wurzelbauer GA	.248	.563	.788	17.5	34.3	3.30	5.74	1	C	0
32547	2752B	Wurzelbauer H	.242	.578	.779	17.3	35.3	3.98	6.92	3	C	0
32548	2756A	Wurzelbauer E	.240	.583	.776	17.2	35.7	6.48	11.26	2	C	0
32548A			.246	.580	.777	17.6	35.5	2.61	4.54	3	C	0
32549	2756	Wurzelbauer D	.243	.592	.768	17.5	36.3	21.65	37.63	2	C	0
32550	2777	Hesiodus A	.253	.501	.828	17.0	30.1	8.59	14.93	2	pM	pK
32554		Wurzelbauer Y	.253	.546	.799	17.6	33.1	4.98	8.66	3	C	0
32554A			.257	.543	.799	17.8	32.9	8.77	15.24	4	C	0
32557	2752C	Wurzelbauer L	.251	.571	.782	17.8	34.8	4.86	8.45	3	C	p
32557A			.254	.575	.778	18.1	35.1	3.51	6.10	3	C	0
32557B			.250	.578	.777	17.8	35.3	2.01	3.49	1	C	0
32558	2756C	Wurzelbauer F	.252	.586	.770	18.1	35.9	5.01	8.71	2	C	0
32559		Wurzelbauer DA	.250	.599	.761	18.2	36.8	3.23	5.61	2	C	0
32561		Weiss B	.269	.519	.811	18.3	31.3	5.98	10.39	3	C	0
32562			.266	.525	.808	18.2	31.7	3.70	6.43	3	C	0
32563			.260	.531	.806	17.9	32.1	14.28	24.82	5	C	0
32564			.269	.549	.791	18.8	33.3	8.94	15.54	5	C	0
32566	2752A	Wurzelbauer G	.262	.568	.780	18.6	34.6	5.96	10.36	3	C	0
32569		Wurzelbauer TB	.264	.597	.758	19.2	36.7	2.88	5.01	1	C	0
32569A			.269	.593	.759	19.5	36.4	3.95	6.87	3	C	0
32570	2766A	Weiss A	.275	.509	.816	18.6	30.6	2.37	4.12	1	pMC	0
32573			.273	.539	.797	18.9	32.6	8.20	14.25	5	C	0
32574	2762	Cichus B	.277	.547	.790	19.3	33.2	8.22	14.29	2	C	0
32576			.273	.564	.779	19.3	34.3	3.75	6.52	3	C	0
32577			.278	.572	.772	19.8	34.9	2.03	3.53	2	C	0
32579	2760A	Cichus K	.274	.596	.755	20.0	36.6	3.86	6.71	1	C	0
32581	2766	Weiss E	.281	.516	.809	19.2	31.1	9.65	16.77	2f	MC	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
32582	2769A	Weiss	-.284	-.528	+.800	-19.5	-31.9	36.22	62.96	4f	aMC	0
32590	2765	Weiss D	.299	.510	.807	20.3	30.7	4.93	8.57	1	pM	0
32598			.299	.582	.756	21.6	35.6	16.88 12.94	29.34 22.49	5f	C	0
32599			.292	.591	.752	21.2	36.2	2.28	3.96	3	C	0
32599A			.291	.593	.751	21.2	36.4	18.87	32.80	5f	C	0
32599B			.291	.597	.748	21.3	36.7	2.31	4.02	2	C	0
32600	3190A	Heinsius N	.202	.606	.769	14.7	37.3	4.01	6.97	3	C	0
32601			.207	.614	.762	15.2	37.9	2.87	4.99	3	C	0
32602			.202	.627	.752	15.0	38.8	8.96	15.57	3	C	0
32602A			.201	.623	.756	14.9	38.5	7.50	13.04	5	C	0
32604		Heinsius MA	.203	.647	.735	15.4	40.3	12.99	22.58	3	C	0
32606			.208	.661	.721	16.1	41.4	19.48	33.86	5	C	0
32607A		Tycho Q	.202	.675	.710	15.9	42.5	11.35	19.73	3	C	0
32608		Tycho S	.202	.687	.698	16.1	43.4	1.95	3.39	1	C	0
32608A		Tycho Z	.203	.683	.702	16.1	43.1	13.52	23.50	4	C	0
32608B			.206	.688	.696	16.5	43.5	3.94	6.85	3	C	0
32609			.205	.698	.686	16.6	44.3	2.67	4.64	3	C	0
32609A			.202	.692	.693	16.2	43.8	3.86	6.71	3	C	0
32611			.217	.618	.756	16.0	38.2	2.50	4.35	1	C	0
32611A			.218	.611	.761	16.0	37.7	19.71	34.26	4	C	0
32613		Heinsius T	.218	.638	.739	16.4	39.6	3.77	6.55	2	C	0
32614			.218	.645	.732	16.6	40.2	3.38	5.87	3	C	0
32618	2726A	Wilhelm O	.216	.684	.697	17.2	43.2	9.96	17.31	1	C	p?
32619		Wilhelm M	.214	.694	.687	17.3	43.9	5.00	8.69	2	C	0
32619A			.215	.692	.689	17.3	43.8	4.00	6.95	3	C	0
32619B			.213	.699	.683	17.3	44.3	4.00	6.95	3	C	0
32621			.226	.617	.754	16.7	38.1	2.81	4.88	3	C	0
32623		Heinsius S	.224	.637	.738	16.9	39.6	4.04	7.02	1	C	0
32625			.226	.654	.722	17.4	40.8	3.35	5.82	3	C	0
32626	2725	Wilhelm D	.227	.667	.710	17.7	41.8	18.28	31.77	2	C	p
32627		Wilhelm DA	.227	.675	.702	17.9	42.5	3.96	6.88	2	C	0
32629	2726	Wilhelm E	.221	.697	.682	18.0	44.2	7.96	13.84	1	C	0
32629A	2732E	Wilhelm N	.229	.692	.685	18.5	43.8	4.02	6.99	2	C	0
32633	2738	Heinsius A	.232	.638	.734	17.5	39.6	11.48	19.95	1	C	?
32633A	2737	Heinsius	.234	.636	.735	17.7	39.5	38.23	66.45	3	C	0
32635	2740F	Heinsius L	.237	.659	.714	18.4	41.2	4.61	8.01	3	C	0
32635A	2740	Heinsius C	.233	.651	.722	17.9	40.6	12.65	21.99	2	C	0
32635B			.232	.657	.717	17.9	41.1	3.94	6.85	2	C	0
32635C			.232	.659	.715	18.0	41.2	5.12	8.90	3	C	0
32638	2732D	Wilhelm Q	.230	.684	.692	18.4	43.2	3.96	6.88	2	C	0
32642	2740E	Heinsius K	.248	.623	.742	18.5	38.5	2.80	4.87	2	C	0
32644	2739	Heinsius B	.245	.642	.727	18.6	39.9	13.86	24.09	2	C	p?

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
32646			-.248	-.669	+.701	-19.5	-42.0	4.01	6.97	3	C	0
32647			.240	.678	.695	19.1	42.7	3.28	5.70	3	C	0
32647A			.248	.676	.694	19.7	42.5	3.86	6.71	3	C	0
32649		Wilhelm V	.241	.693	.679	19.5	43.9	4.36	7.58	2	C	p
32649A			.241	.698	.674	19.7	44.3	4.06	7.06	3	C	0
32650	2740D	Heinsius H	.252	.608	.753	18.5	37.4	4.04	7.02	1	C	0
32650A			.257	.601	.757	18.8	36.9	3.03	5.27	3	C	0
32651			.257	.614	.746	19.0	37.9	2.80	4.87	2	C	0
32653			.254	.638	.727	19.3	39.6	15.78	27.43	5	C	0
32654	2740C	Heinsius F	.256	.650	.716	19.7	40.5	4.03	7.00	1	C	0
32654A		Heinsius FA	.259	.644	.720	19.8	40.1	2.90	5.04	1	C	0
32654B			.253	.648	.718	19.4	40.4	2.95	5.13	2	C	0
32655		Wilhelm X	.258	.654	.711	19.9	40.8	6.02	10.46	4	C	0
32656	2724	Wilhelm C	.250	.664	.705	19.5	41.6	9.32	16.20	1	C	0
32657	2727B	Wilhelm W	.255	.676	.691	20.2	42.5	3.05	5.30	2	C	0
32657A		Wilhelm WA	.257	.673	.694	20.3	42.3	3.01	5.23	1	C	0
32658	2721	Wilhelm	.259	.683	.683	20.8	43.1	61.71	107.26	3	C	0
32660		Wurzelbauer TA	.268	.602	.752	19.6	37.0	2.70	4.69	2	C	0
32660A		Wurzelbauer T	.263	.600	.756	19.2	36.9	8.39	14.58	4	C	0
32660B		Wurzelbauer S	.262	.609	.749	19.3	37.5	6.75	11.73	3	C	0
32660C			.261	.607	.751	19.2	37.4	4.25	7.39	3	C	0
32660D			.264	.605	.751	19.4	37.2	4.44	7.72	3	C	0
32661	2740B	Heinsius E	.264	.613	.745	19.5	37.8	9.83	17.09	3f	C	0
32661A			.263	.617	.742	19.5	38.1	3.44	5.98	4f	C	0
32663		Heinsius J	.270	.633	.726	20.4	39.3	4.98	8.66	1	C	0
32663A			.262	.631	.730	19.7	39.1	2.07	3.60	2	C	0
32663B			.263	.637	.725	19.9	39.6	2.45	4.26	2	C	0
32663C			.268	.630	.729	20.2	39.1	11.84	20.58	4	C	0
32664		Heinsius R	.270	.645	.715	20.7	40.2	2.99	5.20	2	C	0
32664A			.261	.649	.715	20.1	40.5	2.58	4.48	3	C	0
32665	2724A	Wilhelm T	.268	.659	.703	20.9	41.2	4.02	6.99	1	C	0
32665A		Wilhelm P	.264	.655	.708	20.4	40.9	6.26	10.88	3	C	0
32665B			.261	.653	.711	20.2	40.8	2.37	4.12	3	C	0
32665C			.262	.652	.712	20.2	40.7	2.56	4.45	3	C	0
32665D			.264	.653	.710	20.4	40.8	2.86	4.97	3	C	0
32665E			.264	.659	.704	20.5	41.2	3.85	6.69	3	C	0
32665F			.266	.657	.705	20.7	41.1	2.56	4.45	3	C	0
32665G			.261	.658	.706	20.3	41.1	2.86	4.97	3	C	0
32666	2725A	Wilhelm U	.262	.661	.703	20.4	41.4	3.06	5.32	2	C	0
32666A			.260	.663	.702	20.3	41.5	3.26	5.67	3	C	0
32669	2729	Wilhelm K	.265	.696	.667	21.7	44.1	11.99	20.84	3	C	p
32672	2740A	Heinsius D	.275	.626	.730	20.6	38.8	3.89	6.76	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
32675			-.271	-.658	+.703	-21.1	-41.1	2.42	4.21	3	C	0
32676	2732B	Wilhelm R	.280	.660	.697	21.9	41.3	4.14	7.20	2	C	0
32676A	2732C	Wilhelm S	.276	.666	.693	21.7	41.8	5.74	9.98	2	C	0
32676B			.274	.663	.697	21.5	41.5	2.96	5.14	3	C	0
32676C			.277	.666	.693	21.8	41.8	5.19	9.02	3	C	0
32683			.281	.639	.716	21.4	39.7	11.84	20.58	4	C	0
32684		Wilhelm L	.286	.649	.705	22.1	40.5	4.96	8.62	3	C	0
32685			.288	.658	.696	22.5	41.1	2.30	4.00	2	C	0
32685A			.283	.656	.700	22.0	41.0	15.78	27.43	5	C	0
32685B			.280	.656	.701	21.8	41.0	3.00	5.21	3	C	0
32686			.283	.668	.688	22.4	41.9	2.91	5.06	2	C	0
32687		Wilhelm F	.290	.674	.679	23.1	42.4	4.99	8.67	2	C	0
32688	2723	Wilhelm B	.280	.688	.670	22.7	43.5	8.96	15.57	1	C	0
32688A		Wilhelm BA	.284	.683	.673	22.9	43.1	3.00	5.21	2	C	0
32690		Haidinger M	.297	.608	.736	22.0	37.4	12.44	21.62	3	C	p
32690A			.295	.601	.743	21.7	36.9	2.08	3.62	2	C	0
32693	2556A	Haidinger G	.296	.637	.712	22.6	39.6	6.23	10.83	2	C	0
32693A	2556	Haidinger C	.293	.630	.719	22.2	39.1	10.68	18.56	2	C	0
32693B			.299	.633	.714	22.7	39.3	3.65	6.34	3	C	0
32697		Wilhelm H	.297	.676	.674	23.8	42.5	4.01	6.97	2	C	0
32697A			.295	.675	.676	23.6	42.5	5.04	8.76	3	C	0
32698			.297	.689	.661	24.2	43.6	3.42	5.94	2	C	0
32699			.295	.697	.654	24.3	44.2	3.13	5.44	1	C	0
32699A		Lagalla K	.298	.691	.659	24.3	43.7	6.00	10.43	3	C	0
32699B			.299	.698	.651	24.7	44.3	4.25	7.39	3	C	0
32700			.202	.704	.681	16.5	44.7	3.26	5.67	3	C	0
32700A			.203	.708	.676	16.7	45.1	2.17	3.77	2	C	0
32701			.209	.717	.665	17.4	45.8	3.48	6.05	2	C	0
32701A		Brown G	.203	.713	.671	16.8	45.5	2.92	5.08	2	C	0
32701B			.204	.710	.674	16.8	45.2	2.07	3.60	3	C	0
32701C			.206	.719	.664	17.2	46.0	3.02	5.25	3	C	0
32702	(2711)	Brown E	.207	.729	.652	17.6	46.8	12.57	21.85	2	C	p
32702A			.200	.726	.658	16.9	46.6	4.82	8.38	3	C	0
32703			.207	.740	.640	17.9	47.7	2.85	4.95	3	C	0
32705	2716B	Longomontanus G	.209	.751	.626	18.5	48.7	8.39	14.58	2	C	0
32705A			.207	.750	.628	18.2	48.6	2.46	4.28	2	C	0
32705B			.201	.754	.625	17.8	48.9	2.76	4.80	2	C	0
32706		Longomontanus Z	.206	.766	.609	18.7	50.0	54.74	95.15	4	C	?
32706A			.206	.762	.614	18.5	49.6	4.44	7.72	4	C	0
32706B			.208	.768	.606	19.0	50.2	3.95	6.87	3f	C	0
32707		Longomontanus V	.205	.774	.599	18.9	50.7	2.83	4.92	2	C	0
32707A			.207	.772	.601	19.0	50.5	3.95	6.87	3	C	0
32707B			.207	.775	.597	19.1	50.8	3.16	5.49	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
32708			-.205	-.785	+.585	-19.3	-51.7	4.72	8.20	2	C	0
32708A			.202	.782	.590	18.9	51.4	3.95	6.87	3	C	0
32708B			.203	.789	.580	19.3	52.1	4.74	8.24	3	C	0
32710		Montanari W	.219	.704	.676	18.0	44.7	3.82	6.64	1	C	0
32711			.216	.711	.669	17.9	45.3	2.95	5.13	3	C	0
32711A			.215	.716	.664	17.9	45.7	4.49	7.80	3	C	0
32712	(2711)	Brown	.212	.724	.656	17.9	46.4	17.29 19.64	30.05 34.14	3	C	0
32713		Brown F	.215	.730	.649	18.3	46.9	3.52	6.12	1	C	0
32716			.215	.760	.613	19.3	49.5	6.91	12.01	4f	C	0
32718	2708B	Longomontanus Q	.216	.788	.577	20.5	52.0	6.22	10.81	1	C	0
32719	2708	Longomontanus B	.213	.797	.565	20.7	52.8	27.33	47.50	3	C	p
32719A			.210	.792	.573	20.1	52.4	3.15	5.48	1	C	0
32722			.224	.727	.649	19.0	46.6	8.99	15.63	3	C	0
32722A			.229	.724	.651	19.4	46.4	2.27	3.95	3	C	0
32723			.221	.732	.644	18.9	47.1	5.10	8.86	2	C	0
32728			.222	.787	.576	21.1	51.9	2.78	4.83	2	C	0
32729			.229	.799	.556	22.4	53.0	4.98	8.66	3	C	0
32729A			.223	.798	.560	21.7	52.9	4.29	7.46	3	C	0
32730			.234	.707	.667	19.3	45.0	3.82	6.64	3	C	0
32730A			.232	.706	.669	19.1	44.9	2.48	4.31	3	C	0
32732			.234	.725	.648	19.9	46.5	7.96	13.84	4	C	0
32733			.239	.738	.631	20.7	47.6	3.16	5.49	3	C	0
32734	2715	Longomontanus K	.239	.742	.626	20.9	47.9	8.65	15.03	3	C	0
32734A			.235	.743	.627	20.6	48.0	3.07	5.34	3	C	0
32734B			.238	.746	.622	20.9	48.2	3.45	6.00	4	C	0
32738	2707A	Longomontanus U	.231	.788	.571	22.0	52.0	3,98	6.92	3	C	0
32738A			.238	.786	.571	22.6	51.8	3.23	5.61	2	C	0
32740	2727C	Wilhelm Z	.246	.705	.665	20.3	44.8	4.53	7.87	1	C	0
32740A			.247	.708	.662	20.5	45.1	2.89	5.02	1	C	0
32740B			.243	.705	.666	20.0	44.8	2.21	3.84	2	C	0
32741	2729A	Montanari	.245	.717	.653	20.6	45.8	44.27	76.95	4	C	0
32743	2716G	Longomontanus W	.247	.733	.634	21.3	47.1	5.60	9.73	1	C	0
32743A			.245	.736	.631	21.2	47.4	4.30	7.47	1	C	0
32743B			.245	.738	.629	21.3	47.6	9.87	17.16	4	C	0
32746A	2706	Longomontanus	.240	.761	.603	21.7	49.6	83.57	145.26	3	C	pp
32748		Longomontanus H	.243	.788	.566	23.2	52.0	4.11	7.14	1	C	0
32748A			.246	.781	.574	23.2	51.4	43.24 39.56	75.16 68.76	5	C	?
32749	2707	Longomontanus A	.246	.798	.550	24.1	52.9	16.94	29.44	1	C	p
32750		Wilhelm Y	.254	.701	.666	20.9	44.5	2.93	5.09	1	C	0
32752			.258	.727	.636	22.1	46.6	2.15	3.74	3	C	0
32753			.258	.731	.632	22.2	47.0	4.20	7.30	3	C	0
32753A			.250	.739	.626	21.8	47.6	8.39	14.58	4	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
32753B			-.254	-.734	+.630	-22.0	-47.2	6.91	12.01	4	C	0
32753C			.258	.730	.633	22.2	46.9	2.87	4.99	2	C	0
32758			.250	.783	.570	23.7	51.5	4.84	8.41	3	C	0
32760	2722	Wilhelm A	.267	.703	.659	22.1	44.7	11.40	19.81	1	C	0
32761	2730	Montanari D	.262	.718	.645	22.1	45.9	12.62 14.06	21.94 24.44	2f	C	0
32762	2716F	Longomontanus T	.264	.729	.632	22.7	46.8	2.97	5.16	1	C	0
32762A			.263	.724	.638	22.4	46.4	2.66	4.62	2	C	0
32763	2716E	Longomontanus S	.268	.736	.622	23.3	47.4	6.73	11.70	1	C	0
32763A			.260	.733	.629	22.5	47.1	4.76	8.27	2	C	0
32763B			.266	.739	.619	23.3	47.6	4.94	8.59	3	C	0
32763C			.263	.738	.621	22.9	47.6	3.18	5.53	3	C	0
32764	2716A	Longomontanus M	.260	.748	.611	23.1	48.4	5.94	10.32	2	C	0
32764A	2712	Longomontanus F	.266	.745	.612	23.5	48.2	10.92	18.98	3	C	0
32764B			.260	.741	.619	22.8	47.8	7.37	12.81	3	C	0
32764C			.267	.749	.606	23.8	48.5	8.38	14.57	4	C	0
32764D			.260	.744	.616	22.9	48.1	4.74	8.24	3	C	0
32764E			.268	.743	.613	23.6	48.0	3.15	5.48	3	C	0
32765	2716	Longomontanus L	.262	.754	.602	23.5	48.9	9.21	16.01	1	C	0
32768			.266	.786	.558	25.5	51.8	4.02	6.99	2	C	0
32768A			.264	.781	.566	25.0	51.4	4.15	7.21	3	C	0
32769	2716D	Longomontanus R	.269	.792	.548	26.1	52.4	4.26	7.40	1	C	0
32769A			.263	.790	.554	25.4	52.2	20.24 14.51	35.18 25.22	4f	C	0
32770	2731	Lagalla	.273	.702	.658	22.5	44.6	48.95	85.08	4	C	0?
32771			.276	.712	.646	23.1	45.4	3.75	6.52	4	C	0
32773			.271	.739	.617	23.7	47.6	4.95	8.60	3	C	0
32774			.277	.742	.610	24.4	47.9	4.00	6.95	3	C	0
32775			.278	.750	.600	24.9	48.6	4.84	8.41	3	C	0
32776			.276	.762	.586	25.2	49.6	3.52	6.12	2	C	0
32777	2716C	Longomontanus N	.274	.776	.568	25.7	50.9	6.74	11.72	2	C	0
32778			.275	.789	.549	26.6	52.1	8.89	15.45	4	C	0
32782			.286	.726	.625	24.6	46.6	6.91 8.75	12.01 15.21	4f	C	0
32783		Lagalla V	.281	.731	.622	24.3	47.0	2.91	5.06	2	C	0
32783A			.287	.736	.613	25.1	47.4	6.41	11.14	5	C	0
32783B			.289	.739	.609	25.4	47.6	2.17	3.77	4	C	0
32784		Longomontanus P	.285	.744	.604	25.2	48.1	4.00	6.95	1	C	0
32787			.282	.778	.561	26.7	51.1	25.67 17.82	44.62 30.97	4f	C	0
32787A			.288	.770	.569	26.8	50.4	14.81 16.28	25.74 28.30	5f	C	0
32789		Longomontanus Y	.289	.791	.539	28.2	52.3	2.26	3.93	1	C	0
32790	2727A	Lagalla P	.291	.709	.642	24.4	45.2	6.19	10.76	1	C	0
32790A			.298	.708	.640	25.0	45.1	8.88	15.43	4	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
32792	2732A	Lagalla M	-.298	-.727	+.619	-25.7	-46.6	3.62	6.29	1	C	0
32792A	2732	Lagalla J	.294	.720	.629	25.1	46.1	12.83	22.30	3f	C	0
32792B			.298	.724	.622	25.6	46.4	5.24	9.11	3f	C	0
32793			.299	.732	.612	26.0	47.1	29.45	51.19	4f	C	0
32794			.299	.747	.594	26.7	48.3	2.60	4.52	1	C	0
32794A			.293	.740	.605	25.8	47.7	2.07	3.60	2	C	0
32795			.299	.755	.584	27.1	49.0	15.30	26.59	5f	C	0
32795A			.293	.750	.593	26.3	48.6	2.46	4.28	2	C	0
32795B			.296	.750	.592	26.6	48.6	5.04	8.76	4f	C	0
32796			.293	.764	.575	27.0	49.8	3.95	6.87	3	C	0
32796A			.293	.766	.572	27.1	50.0	4.84	8.41	3	C	0
32797			.297	.770	.565	27.7	50.4	3.76	6.54	4	C	0
32801			.204	.810	.550	20.4	54.1	4.82	8.38	3	C	0
32802			.205	.827	.523	21.4	55.8	2.08	3.62	1	C	0
32802A			.208	.827	.522	21.7	55.8	3.00	5.21	1	C	0
32803			.202	.832	.517	21.4	56.3	2.18	3.79	1	C	0
32804			.202	.842	.500	22.0	57.4	15.49	26.92	5	C	0
32804A			.209	.843	.496	22.9	57.5	2.20	3.82	1	C	0
32804B			.204	.848	.489	22.6	58.0	6.28	10.92	5	C	0
32807		Scheiner Z	.206	.875	.438	25.2	61.0	3.10	5.39	1	C	0
32807A			.209	.875	.437	25.6	61.0	2.10	3.65	2	C	0
32807B			.207	.871	.446	24.9	60.6	2.05	3.56	2	C	0
32808			.205	.887	.414	26.4	62.5	3.10	5.39	3	C	0
32809			.207	.890	.406	27.0	62.9	6.11	10.62	2	C	0
32810			.210	.805	.555	20.7	53.6	4.29	7.46	3	C	0
32811			.210	.817	.537	21.4	54.8	7.13	12.39	4	C	0
32811A			.217	.812	.542	21.8	54.3	29.72	51.66	4f	C	0
32812	3240A	Clavius F	.212	.823	.527	21.9	55.4	4.16	7.23	1	C	0
32812A			.211	.821	.531	21.7	55.2	4.92	8.55	3	C	0
32813			.211	.835	.508	22.5	56.6	2.94	5.11	1	C	0
32813A			.217	.837	.502	23.4	56.8	6.93	12.05	4	C	0
32814			.211	.844	.493	23.2	57.6	7.10	12.34	3	C	0
32814A		Scheiner R	.217	.848	.484	24.2	58.0	4.65	8.08	1	C	0
32814B			.212	.841	.498	23.1	57.2	2.25	3.91	1	C	0
32815			.213	.850	.482	23.8	58.2	2.34	4.07	2	C	0
32815A			.213	.854	.475	24.2	58.6	2.95	5.13	1	C	0
32815B			.214	.855	.472	24.4	58.8	4.20	7.30	3	C	0
32815C			.219	.850	.479	24.6	58.2	2.32	4.03	1	C	0
32815D			.219	.858	.465	25.2	59.1	4.89	8.50	1	C	0
32815E			.210	.850	.483	23.5	58.2	6.05	10.52	2	C	0
32816		Scheiner X	.212	.863	.459	24.8	59.7	4.15	7.21	1	C	0
32816A			.211	.868	.450	25.1	60.2	2.80	4.87	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
32818	2699A	Scheiner G	-.218	-.888	+.405	-28.3	-62.6	7.83	13.61	1	C	0
32818A			.210	.887	.411	27.1	62.5	5.55	9.65	3	C	0
32818B			.215	.881	.421	27.0	61.8	2.08	3.62	1	C	0
32819	2699	Scheiner E	.219	.894	.391	29.3	63.4	15.69	27.27	3f	C	0
32820			.225	.800	.556	22.0	53.1	3.00	5.21	2	C	0
32820A			.229	.801	.553	22.5	53.2	5.00	8.69	3	C	0
32820B			.226	.807	.546	22.5	53.8	7.71	13.40	5f	C	0
32821	2710	Longomontanus D	.227	.812	.538	22.9	54.3	16.77	29.15	3f	C	0
32822			.222	.826	.518	23.2	55.7	2.90	5.04	2	C	0
32822A			.226	.828	.513	23.8	55.9	5.65	9.82	3	C	0
32822B			.225	.821	.525	23.2	55.2	4.20	7.30	4	C	0
32823			.223	.836	.501	24.0	56.7	4.29	7.46	5	C	0
32823A			.225	.837	.499	24.3	56.8	2.05	3.56	2	C	0
32823B			.223	.832	.508	23.7	56.3	2.15	3.74	2	C	0
32824			.225	.847	.482	25.0	57.9	2.28	3.96	3	C	0
32824A			.228	.845	.484	25.2	57.7	2.50	4.35	1	C	0
32824B			.223	.844	.488	24.6	57.6	2.19	3.81	3	C	0
32825			.220	.852	.475	24.8	58.4	3.50	6.08	2	C	0
32825A		Scheiner S	.224	.852	.473	25.3	58.4	3.76	6.54	1	C	0
32826			.220	.860	.460	25.5	59.3	2.50	4.35	1	C	0
32828			.224	.880	.419	28.1	61.6	6.84	11.89	2	C	0
32828A			.226	.883	.411	28.8	62.0	5.98	10.39	3	C	0
32829			.229	.890	.394	30.1	62.9	6.94	12.06	3	C	0
32830			.231	.807	.543	23.0	53.8	3.95	6.87	3	C	0
32830A			.236	.807	.541	23.6	53.8	6.90	11.99	3	C	0
32831			.234	.818	.525	24.0	54.9	12.95	22.51	5f	C	0
32831A			.235	.813	.533	23.8	54.4	2.80	4.87	3	C	0
32831B			.231	.815	.531	23.5	54.6	5.12	8.90	3	C	0
32832			.234	.825	.514	24.5	55.6	10.47	18.20	4f	C	0
32832A			.235	.821	.520	24.3	55.2	2.21	3.84	1	C	0
32833	2697	Scheiner F	.232	.836	.497	25.0	56.7	3.48	6.05	1	C	0
32833A			.231	.834	.501	24.7	56.5	19.44 26.85	33.79 46.67	3f	C	0
32834	2697A	Scheiner K	.232	.848	.477	26.0	58.0	4.17	7.25	1	C	0
32834A			.230	.846	.481	25.6	57.8	3.24	5.63	2	C	0
32834B			.235	.848	.475	26.3	58.0	2.51	4.36	1	C	0
32835			.232	.850	.473	26.1	58.2	3.56	6.19	2	C	0
32835A			.232	.859	.456	26.9	59.2	3.47	6.03	1	C	0
32836	2694	Scheiner A	.232	.868	.439	27.9	60.2	6.99	12.15	1	C	0
32836A			.236	.860	.452	27.5	59.3	6.28	10.92	1	C	0
32837	2693	Scheiner	.230	.870	.436	27.8	60.5	63.49	110.36	2f	C	0
32837A			.231	.879	.417	29.0	61.5	6.38 15.42	11.09 26.80	4	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
32837B			-.239	-.879	+.413	-30.1	-61.5	4.17	7.25	3	C	0
32838		Scheiner P	.237	.887	.396	30.9	62.5	6.08	10.57	2f	C	0
32838A			.236	.882	.408	30.1	61.9	7.47	12.98	5	C	0
32840			.246	.807	.537	24.6	53.8	3.63	6.31	3	C	0
32841			.241	.817	.524	24.7	54.8	2.30	4.00	3	C	0
32841A			.243	.815	.526	24.8	54.6	3.60	6.26	3	C	0
32842			.245	.821	.516	25.4	55.2	2.76	4.80	2	C	0
32842A			.244	.828	.505	25.8	55.9	2.05	3.56	2	C	0
32843			.242	.835	.494	26.1	56.6	3.10	5.39	1	C	0
32843A			.243	.834	.495	26.1	56.5	3.00	5.21	2	C	0
32845			.240	.859	.452	28.0	59.2	3.50	6.08	2	C	0
32845A			.244	.859	.450	28.5	59.2	3.75	6.52	3	C	0
32846	2696B	Scheiner J	.241	.862	.446	28.4	59.5	6.46	11.23	1	C	0
32849			.244	.893	.378	32.8	63.3	6.91	12.01	4f	C	0
32852			.250	.827	.504	26.4	55.8	2.34	4.07	2	C	0
32852A			.259	.829	.496	27.6	56.0	2.60	4.52	2	C	0
32853	2696A	Scheiner H	.254	.831	.495	27.2	56.2	5.10	8.86	1	C	0
32853A			.255	.830	.496	27.2	56.1	2.90	5.04	2	C	0
32854			.257	.840	.478	28.3	57.1	10.37	18.02	5	C	0
32855		Scheiner Q	.255	.854	.453	29.3	58.6	4.62	8.03	2	C	0
32855A			.258	.856	.448	29.9	58.9	5.12	8.90	3	C	0
32855B			.251	.855	.454	28.9	58.8	2.15	3.74	2	C	0
32856	2696	Scheiner C	.255	.866	.430	30.7	60.0	7.51	13.05	2	C	0
32856A			.254	.861	.441	30.0	59.4	3.80	6.60	3	C	0
32856B			.256	.860	.441	30.1	59.3	3.00	5.21	3	C	0
32856C			.257	.862	.437	30.5	59.5	3.65	6.34	3	C	0
32856D			.250	.860	.445	29.3	59.3	2.47	4.29	2	C	0
32857			.250	.876	.412	31.2	61.2	3.90	6.78	2	C	0
32857A			.252	.875	.413	31.4	61.0	2.97	5.16	2	C	0
32857B			.253	.874	.415	31.4	60.9	3.90	6.78	2	C	0
32858			.252	.889	.382	33.4	62.7	2.55	4.43	2	C	0
32858A			.258	.883	.392	33.3	62.0	5.41	9.40	3	C	0
32858B			.258	.886	.385	33.8	62.4	2.25	3.91	1	C	0
32858C			.250	.886	.391	32.6	62.4	3.34	5.81	3	C	0
32858D			.255	.888	.383	33.7	62.6	5.02	8.73	4	C	0
32861			.263	.810	.524	26.6	54.1	2.05	3.56	1	C	0
32861A			.261	.817	.514	26.9	54.8	3.89	6.76	3	C	0
32861B			.268	.810	.522	27.2	54.1	3.56	6.19	4f	C	0
32862			.262	.823	.504	27.5	55.4	13.04	22.67	4f	C	0
32862A			.269	.827	.494	28.6	55.8	19.22	33.41	4f	C	0
32863			.268	.833	.484	29.0	56.4	2.70	4.69	1	C	0
32865			.269	.850	.453	30.7	58.2	8.38	14.57	3f	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
32866			-.260	-.860	+.439	-30.6	-59.3	3.00	5.21	3	C	0
32866A			.260	.867	.425	31.5	60.1	2.84	4.94	2	C	0
32867	2698	Scheiner D	.260	.872	.415	32.1	60.7	9.91	17.23	2f	C	0
32867A			.262	.879	.398	33.3	61.5	3.15	5.48	2	C	0
32867B			.265	.878	.399	33.6	61.4	2.28	3.96	2	C	0
32870			.270	.801	.534	26.8	53.2	12.35	21.47	5f	C	0
32871			.278	.818	.504	28.9	54.9	13.84	24.06	4f	C	0
32872			.274	.828	.489	29.3	55.9	4.29	7.46	2	C	0
32872A			.278	.821	.499	29.1	55.2	4.34	7.54	4	C	0
32873			.273	.837	.474	29.9	56.8	2.78	4.83	3	C	0
32873A			.279	.834	.476	30.4	56.5	8.02	13.94	3f	C	0
32873B			.271	.834	.481	29.4	56.5	3.60	6.26	3	C	0
32873C			.273	.832	.483	29.5	56.3	5.09	8.85	3	C	0
32876	2695	Scheiner B	.278	.862	.424	33.3	59.5	16.40	28.51	2	C	P
32877		Scheiner T	.277	.874	.399	34.8	60.9	7.04	12.24	3	C	0
32878			.271	.881	.388	34.9	61.8	3.13	5.44	2	C	0
32879	2685	Bettinus C	.275	.893	.356	37.7	63.3	11.36	19.75	3f	C	0
32879A			.276	.894	.353	38.0	63.4	4.39	7.63	1	C	0
32880			.282	.802	.527	28.2	53.3	2.15	3.74	1	C	0
32880A			.285	.803	.523	28.6	53.4	11.06	19.22	3f	C	0
32881			.288	.814	.504	29.7	54.5	5.65	9.82	5	C	0
32882			.280	.823	.494	29.5	55.4	2.67	4.64	1	C	0
32883	2623A	Rost D	.283	.835	.472	31.0	56.6	16.37	28.45	3	C	0
32883A			.280	.830	.482	30.1	56.1	7.65	13.30	3	C	0
32885			.282	.858	.429	33.3	59.1	2.86	4.97	3	C	0
32887		Scheiner U	.286	.874	.393	36.1	60.9	3.83	6.66	1	C	0
32889			.288	.890	.353	39.2	62.9	2.46	4.28	2	C	0
32891			.291	.817	.498	30.3	54.8	6.08	10.57	5	C	0
32891A			.290	.810	.510	29.6	54.1	17.50	30.42	5	C	0
32892	2623	Rost M	.295	.824	.484	31.4	55.5	15.01	26.09	2f	C	0
32894			.292	.847	.444	33.3	57.9	2.28	3.96	1	C	0
32894A		Rost N	.295	.842	.452	33.1	57.4	3.40	5.91	1	C	0
32896			.298	.863	.408	36.1	59.7	2.45	4.26	1	C	0
32897		Scheiner V	.294	.871	.394	36.8	60.6	3.13	5.44	3	C	0
32900			.202	.903	.379	28.0	64.6	15.49 19.85	26.92 34.50	3f	C	0
32900A			.209	.906	.368	29.6	65.0	4.33	7.53	3	C	0
32902			.202	.927	.316	32.6	68.0	2.75	4.78	2	C	0
32902A			.207	.920	.333	31.9	66.9	9.76	16.96	4	C	0
32902B			.208	.924	.321	33.0	67.5	11.97	20.81	5	C	0
32903			.208	.934	.290	35.6	69.1	2.93	5.09	3	C	0
32904		Klaproth L	.203	.940	.274	36.5	70.1	6.44	11.19	2	C	0
32905			.203	.950	.237	40.6	71.8	2.45	4.26	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
32905A			-.206	-.950	+.235	-41.3	-71.8	2.45	4.26	1	C	0
32905B			.209	.957	.201	46.1	73.1	18.18	31.60	3	C	0
32905C			.209	.954	.215	44.2	72.6	4.03	7.00	2	C	0
32907			.206	.975	.083	68.0	77.2	3.49	6.07	1	C	0
32907A			.200	.973	.115	60.1	76.7	45.70	79.43	4	C	0
32910			.211	.904	.372	29.6	64.7	5.09	8.85	3	C	0
32910A			.212	.902	.376	29.4	64.4	4.72	8.20	3	C	0
32910B			.212	.905	.369	29.9	64.8	2.58	4.48	2	C	0
32910C			.218	.902	.373	30.3	64.4	11.43	19.87	4	C	0
32911			.211	.917	.339	31.9	66.5	5.58	9.70	3	C	0
32911A			.214	.911	.353	31.3	65.6	8.63	15.00	4	C	0
32911B			.215	.915	.341	32.2	66.2	11.23	19.52	4	C	0
32911C			.216	.918	.333	33.0	66.6	6.61	11.49	4	C	0
32913			.213	.937	.277	37.6	69.6	2.22	3.86	2	C	0
32914	2669A	Wilson F	.212	.942	.260	39.2	70.4	7.47	12.98	1	C	0
32914A			.219	.943	.251	41.2	70.6	12.27	21.33	3f	C	0
32915			.215	.950	.226	43.5	71.8	6.76	11.75	4	C	0
32915A			.219	.957	.190	49.0	73.1	2.88	5.01	3	C	0
32915B			.210	.952	.223	43.3	72.2	5.06	8.80	2	C	0
32916	2666	Legentil A	.210	.965	.157	53.2	74.8	19.07	33.15	2	C	0
32916A			.216	.961	.173	51.4	73.9	3.48	6.05	1	C	0
32916B			.215	.969	.122	60.5	75.7	4.01	6.97	1	C	0
32917			.215	.971	.105	64.1	76.2	3.97	6.90	2	C	0
32917A			.217	.973	.079	70.1	76.7	4.92	8.55	1	C	0
32921	2698B	Scheiner M	.226	.911	.345	33.2	65.6	5.48	9.53	1	C	0
32923			.223	.931	.289	37.7	68.6	2.44	4.24	1	C	0
32923A			.225	.935	.274	39.4	69.2	4.00	6.95	2	C	0
32923B			.228	.935	.272	40.0	69.2	4.00	6.95	1	C	0
32924			.222	.945	.240	42.7	70.9	3.08	5.35	2	C	0
32924A			.227	.943	.243	43.0	70.6	3.08	5.35	3	C	0
32924B			.229	.946	.229	44.9	71.1	6.64	11.54	2	C	0
32925	2669	Wilson C	.220	.951	.217	45.4	72.0	14.72	25.59	1	C	0
32926			.228	.969	.095	67.3	75.7	3.15	5.48	2	C	0
32926A			.220	.967	.128	59.7	75.2	3.71	6.45	2	C	0
32927			.227	.972	.061	75.0	76.4	3.79	6.59	1	C	0
32931	2679A	Kircher C	.239	.918	.316	37.1	66.6	6.36	11.05	1	C	0
32931A	2698A	Scheiner L	.235	.912	.336	35.0	65.8	5.24	9.11	1	C	0
32931B			.235	.915	.328	35.6	66.2	4.82	8.38	3	C	0
32932			.230	.928	.293	38.1	68.1	5.90	10.26	3	C	0
32932A			.233	.920	.315	36.5	66.9	4.49	7.80	1	C	0
32932B			.233	.929	.288	39.0	68.3	2.78	4.83	2	C	0
32933	2667	Wilson	.239	.935	.262	42.4	69.2	40.01	69.54	3f	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
32933A			-.238	-.936	+.259	-42.5	-69.4	2.09	3.63	1	C	0
32934			.237	.945	.225	46.4	70.9	3.14	5.46	2	C	0
32935			.238	.955	.177	53.4	72.7	3.14	5.46	1	C	0
32936			.232	.967	.105	65.6	75.2	26.20	45.54	4	C	0
32936A	2670	Legentil D	.238	.964	.119	63.5	74.6	7.10	12.34	1	C	0
32941			.247	.917	.313	38.3	66.5	5.50	9.56	2	C	0
32942			.248	.927	.281	41.4	68.0	2.11	3.67	2	C	0
32942A			.244	.928	.282	40.9	68.1	5.44	9.46	4	C	0
32944			.243	.943	.227	46.9	70.6	11.11	19.31	2	C	0
32944A			.249	.945	.212	49.6	70.9	3.71	6.45	2	C	0
32945	2671	Wilson E	.246	.954	.171	55.1	72.6	13.99	24.32	1	C	0
32945A			.240	.956	.169	54.9	72.9	28.10	48.84	4	C	0
32946			.240	.967	.086	70.4	75.2	8.13	14.13	1	C	0
32946A			.246	.969	.023	84.7	75.7	4.70	8.17	2	C	0
32947			.240	.970	.039	80.8	75.9	5.84	10.15	2	C	0
32950			.250	.907	.339	36.4	65.1	7.40	12.86	3f	C	0
32950A			.252	.908	.335	37.0	65.2	3.96	6.88	2	C	0
32951	2679	Kircher F	.255	.914	.316	38.9	66.1	6.01	10.45	2	C	0
32951A			.255	.915	.313	39.2	66.2	3.89	6.76	2	C	0
32953			.257	.930	.263	44.4	68.4	5.37	9.33	1	C	0
32954	2668	Wilson A	.258	.947	.191	53.4	71.3	8.89	15.45	1	C	0
32954A			.253	.940	.229	47.9	70.1	9.57	16.63	2	C	0
32954B			.250	.940	.232	47.1	70.1	3.65	6.34	2	C	0
32954C			.251	.948	.196	52.1	71.4	2.77	4.81	2	C	0
32954D			.258	.942	.215	50.2	70.4	6.91	12.01	3	C	0
32955			.256	.956	.143	60.8	72.9	8.00	13.91	2	C	0
32955A			.250	.959	.133	61.9	73.5	6.38	11.09	2	C	0
32955B			.255	.958	.131	62.8	73.3	2.83	4.92	2	C	0
32956			.259	.962	.086	71.5	74.2	4.61	8.01	2	C	0
32960			.263	.909	.323	39.1	65.4	2.45	4.26	3	C	0
32960A			.268	.909	.319	40.0	65.4	2.65	4.61	2	C	0
32961			.262	.913	.313	40.0	65.9	3.00	5.21	2	C	0
32962			.265	.926	.269	44.6	67.8	2.47	4.29	2	C	0
32963			.260	.937	.233	48.1	69.6	5.88	10.22	1	C	0
32963A			.267	.934	.237	48.4	69.1	2.96	5.14	2	C	0
32964			.264	.949	.172	56.9	71.6	3.41	5.93	2	C	0
32965	2666A	Legentil G	.267	.951	.156	59.7	72.0	9.80	17.03	1	C	?
32965A			.262	.955	.139	62.0	72.7	5.03	8.74	2	C	0
32965B			.264	.955	.135	62.9	72.7	8.65	15.03	3	C	0
32965C			.263	.958	.114	66.5	73.3	14.79	25.71	2	C	p
32966			.260	.963	.071	74.7	74.4	10.85	18.86	2	C	0
32966A	2665	Legentil	.262	.963	.063	76.4	74.4	65.11	113.17	4	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
32966B			-.265	-.962	+.066	-76.1	-74.2	2.84	4.94	2	C	0
32971	2676	Kircher A	.272	.914	.301	42.1	66.1	16.76	29.13	3	C	p
32971A			.279	.915	.291	43.8	66.2	2.45	4.26	1	C	0
32972	2675	Kircher	.277	.921	.274	45.3	67.1	41.71	72.50	2f	C	0
32973	2677A	Kircher E	.274	.934	.229	50.1	69.1	11.47	19.94	2	C	?
32973A			.273	.938	.214	52.0	69.7	4.92	8.55	2	C	0
32973B			.275	.930	.244	48.4	68.4	11.16	19.40	3	C	0
32974			.277	.949	.151	61.5	71.6	5.11	8.88	2	C	0
32975			.271	.956	.112	67.5	72.9	3.20	5.56	2	C	0
32980	2677	Kircher B	.288	.906	.310	42.9	65.0	6.74	11.72	1	C	0
32982			.284	.929	.237	50.1	68.3	4.11	7.14	3	C	0
32983			.280	.933	.226	51.1	68.9	4.56	7.93	2	C	0
32983A			.286	.935	.210	53.7	69.2	5.05	8.78	1	C	0
32984			.287	.941	.179	58.0	70.2	5.13	8.92	1	C	0
32984A			.283	.947	.152	61.8	71.3	8.23	14.30	3	C	0
32984B			.284	.943	.173	58.6	70.6	3.50	6.08	3	C	0
32986			.280	.960	.000	88.4	73.7	3.60	6.26	1	C	0
32990		Bettinus H	.296	.904	.308	43.8	64.7	4.64	8.07	1	C	0
32991			.293	.912	.287	45.6	65.8	2.38	4.14	1	C	0
32992	2678	Kircher D	.292	.924	.247	49.8	67.5	22.48	39.07	3f	C	0
32992A			.292	.927	.235	51.1	68.0	2.80	4.87	1	C	0
32993	2652A	Bailly O	.291	.938	.188	57.1	69.7	9.29	16.15	2	C	0
32994			.291	.943	.161	61.0	70.6	3.96	6.88	2	C	0
32994A			.292	.946	.141	64.3	71.1	11.40	19.81	3	C	0
32995			.292	.952	.092	72.5	72.2	7.75	13.47	2	C	0
32995A			.295	.953	.069	76.8	72.4	3.46	6.01	2	C	0
33008	2901	Fra Mauro D	.301	.084	.950	17.6	4.8	2.67	4.64	1	pMC	0
33011		Gambart J	.312	.012	.950	18.2	0.7	4.07	7.07	2f	C	0
33011A			.312	.017	.950	18.2	1.0	2.25 1.69	3.91 2.94	2	pMC	0
33014		Fra Mauro J	.319	.046	.947	18.6	2.6	1.98	3.44	1	pM	0
33033		Fra Mauro T	.331	.036	.943	19.3	2.1	1.51	2.62	1	pM	0
33050			.359	.003	.933	21.0	0.2	2.81	4.88	5	C	0
33051		Gambart R	.354	.012	.935	20.7	0.7	2.05	3.56	1	pM	0
33059	2898	Fra Mauro A	.356	.095	.930	21.0	5.5	5.68	9.87	1	pM	0
33067	2899	Fra Mauro B	.368	.070	.927	21.6	4.0	4.05	7.04	1	pM	0
33069	2898A	Fra Mauro C	.367	.095	.925	21.6	5.5	3.86	6.71	1	pM	0
33094		Lansberg P	.390	.040	.920	23.0	2.3	1.38	2.40	1	pM	0
33107	2874	Bonpland D	.308	.176	.935	18.2	10.1	3.15	5.48	1	pM	0
33113			.319	.132	.939	18.8	7.6	3.42	5.94	3	C	0
33113A			.311	.136	.941	18.3	7.8	8.22 6.16	14.29 10.71	5	aMC	0
33118		Bonpland R	.313	.185	.932	18.6	10.7	1.71	2.97	1	pM	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
33122	2874B	Bonpland F	-.328	-.127	+.936	-19.3	-7.3	2.29	3.98	1	pMC	0
33139		Bonpland H	.334	.197	.922	19.9	11.4	2.10	3.65	1	pM	0
33149		Bonpland J	.341	.197	.919	20.4	11.4	1.43	2.49	1	pM	0
33153		Bonpland L	.358	.131	.924	21.2	7.5	1.87	3.25	1	pM	0
33163			.360	.131	.924	21.3	7.5	2.01	3.49	2	pMC	0
33166		Bonpland N	.360	.163	.919	21.4	9.4	1.48	2.57	1	pM	0
33168		Bonpland P	.360	.189	.914	21.5	10.9	0.79	1.37	1	pM	0
33176	2874A	Bonpland E	.379	.170	.910	22.6	9.8	3.89	6.76	1	pM	0
33178			.377	.187	.907	22.6	10.8	10.03	17.43	5	aMC	0
33202		Opelt KB	.300	.225	.927	17.9	13.0	2.37	4.12	3	aMC	0
33202A			.302	.226	.926	18.1	13.1	2.03	3.53	3	aMC	0
33203		Opelt KA	.308	.234	.922	18.5	13.5	1.47	2.56	1	pM	0
33210	2874C	Bonpland G	.315	.201	.928	18.8	11.6	2.14	3.72	1	pM	0
33216			.317	.268	.910	19.2	15.5	11.27	19.59	4f	aMC	0
33223			.325	.237	.916	19.5	13.7	11.96	20.79	5f	aMC	0
33234			.338	.240	.910	20.4	13.9	6.18	10.74	5f	aMC	0
33236	2836	Lubiniezky G	.333	.264	.905	20.2	15.3	2.13	3.70	1	pM	0
33249	2837	Lubiniezky H	.345	.292	.892	21.1	17.0	2.52	4.38	1	pM	0
33254	2838	Darney J	.354	.248	.902	21.4	14.4	3.72	6.47	1	pM	0
33263			.367	.239	.899	22.2	13.8	8.93	15.52	5f	aMC	0
33272			.371	.227	.900	22.4	13.1	12.40	21.55	5f	aM	0
33274			.375	.247	.894	22.8	14.3	13.18	22.91	5f	aMC	0
33275			.376	.257	.890	22.9	14.9	14.75	25.64	5f	aMC	0
33285	2831	Darney	.386	.252	.887	23.5	14.6	8.75	15.21	1	pMC	p
33286			.384	.260	.886	23.4	15.1	5.31	9.23	4f	aMC	0
33286A			.388	.263	.883	23.7	15.2	4.72	8.20	5	aMC	0
33288	2833	Lubiniezky D	.381	.284	.880	23.4	16.5	4.08	7.09	1	pM	0
33296			.392	.264	.881	24.0	15.3	4.82	8.38	4f	aMC	0
33296A			.397	.264	.879	24.3	15.3	4.13	7.18	5	aMC	0
33297			.391	.274	.879	24.0	15.9	5.81 6.97	10.10 12.11	4f	aMC	0
33301	2839A	Opelt F	.305	.310	.900	18.7	18.1	2.55	4.43	1	pM	0
33308	2815C	Bullialdus H	.305	.386	.871	19.3	22.7	2.73	4.75	1	pM	0
33311		Bullialdus Y	.310	.318	.896	19.1	18.5	1.99	3.46	1	pM	0
33314		Bullialdus R	.318	.344	.883	19.8	20.1	10.74	18.67	5f	aM	0
33337	2814	Bullialdus A	.339	.378	.862	21.5	22.2	15.05	26.16	2	aM	0
33337A		Bullialdus AB	.336	.372	.865	21.2	21.8	2.52	4.38	1	pM	0
33338		Bullialdus AA	.330	.381	.864	20.9	22.4	1.81	3.15	1	pM	0
33349	2815	Bullialdus B	.342	.397	.852	21.9	23.4	12.01	20.88	2	pM	P
33351	2835	Lubiniezky F	.352	.314	.882	21.8	18.3	4.32	7.51	1	pM	0
33355	2813	Bullialdus	.353	.354	.866	22.2	20.7	33.91	58.94	1	pM	PP
33361			.363	.310	.879	22.4	18.1	2.25	3.91	2	pM	0
33369	2815B	Bullialdus G	.368	.394	.842	23.6	23.2	2.30	4.00	2	pM	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
33377	2815A	Bullialdus E	-.377	-.370	+.849	-23.9	-21.7	2.25	3.91	1	pM	0
33380	2829	Lubiniezky	.385	.306	.871	23.9	17.8	25.25	43.89	3f	aMC	0
33384		Bullialdus L	.387	.345	.855	24.4	20.2	2.02	3.51	1	pM	0
33388	2819	Bullialdus F	.388	.382	.839	24.8	22.5	3.70	6.43	1	pM	0
33393			.396	.332	.856	24.8	19.4	24.42	42.45	5f	aMC	0
33428	2804	Kies B	.326	.481	.814	21.8	28.8	5.57	9.68	1	pM	0
33438	2806A	Kies E	.339	.481	.809	22.7	28.8	3.73	6.48	1	pM	0
33444	2802	Kies	.344	.443	.828	22.6	26.3	25.35	44.06	3f	aM	0
33447	2803	Kies A	.340	.474	.812	22.7	28.3	9.50	16.51	1	pM	0
33461		König A	.369	.418	.830	24.0	24.7	1.85	3.22	1	pM	0
33468			.365	.486	.794	24.7	29.1	2.64	4.59	3	C	0
33469			.360	.499	.788	24.5	29.9	3.15	5.48	3	C	0
33470	2816	König	.380	.410	.829	24.6	24.2	12.80	22.25	2	pM	0
33475			.371	.459	.807	24.7	27.3	12.02	20.89	5f	aM	0
33477			.374	.478	.795	25.2	28.6	2.54	4.41	3	C	0
33478	2538	Mercator B	.371	.487	.791	25.1	29.1	4.62	8.03	2	C	0
33478A		Mercator D	.373	.489	.789	25.3	29.3	3.62	6.29	1	C	0
33480			.388	.409	.826	25.2	24.1	12.42	21.59	5f	aM	0
33487			.380	.472	.795	25.5	28.2	7.81	13.57	5f	aMC	0
33487A			.386	.479	.788	26.1	28.6	4.71	8.19	4f	C	0
33487B			.387	.474	.791	26.1	28.3	7.26	12.62	4f	aMC	0
33488	2536	Mercator	.384	.488	.784	26.1	29.2	26.86	46.69	2f	aMC	0
33493	2805	Kies C	.395	.439	.807	26.1	26.0	2.78	4.83	1	pM	0
33498		Mercator C	.397	.486	.779	27.0	29.1	3.80	6.60	2	C	0
33499		Mercator F	.392	.494	.776	26.8	29.6	2.27	3.95	1	C	0
33503	2768	Cichus J	.308	.530	.790	21.3	32.0	7.38	12.83	3	C	0
33504	2760	Cichus	.302	.549	.779	21.2	33.3	22.69	39.44	2	pMC	pp
33505	2763	Cichus C	.310	.553	.773	21.8	33.6	6.40	11.12	1	C	0
33507	2761	Cichus A	.300	.571	.764	21.4	34.8	11.00	19.12	2f	C	0
33510	2769	Cichus N	.318	.508	.801	21.7	30.5	4.65	8.08	1	C	0
33512		Cichus R	.312	.526	.791	21.5	31.7	3.98	6.92	3	C	0
33517		Cichus AA	.314	.573	.757	22.5	35.0	2.71	4.71	1	C	0
33517A			.312	.573	.758	22.4	35.0	2.50	4.35	3	C	0
33517B			.314	.571	.759	22.5	34.8	2.49	4.33	3	C	0
33518	2764A	Cichus F	.310	.583	.751	22.4	35.7	4.35	7.56	3	C	0
33518A			.317	.585	.747	23.0	35.8	4.76	8.27	4	C	0
33520			.324	.509	.797	22.1	30.6	2.23	3.88	3	C	0
33520A			.327	.500	.802	22.2	30.0	4.27	7.42	3	C	0
33524	2763A	Cichus H	.321	.541	.777	22.4	32.8	4.10	7.13	1	pM	0
33525			.324	.554	.767	22.9	33.6	22.84 30.28	39.70 52.63	5f	aMC	0
33528	2764	Cichus G	.325	.580	.747	23.5	35.5	13.12	22.80	3	C	0
33529			.323	.595	.736	23.7	36.5	6.91	12.01	5	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
33530		Mercator K	-.332	-.509	+.794	-22.7	-30.6	2.09	3.63	2	C	0
33534			.339	.545	.767	23.8	33.0	12.30	21.38	5f	aMC	0
33538			.339	.581	.740	24.6	35.5	5.42	9.42	5	C	0
33539			.330	.596	.732	24.3	36.6	9.76	16.96	4f	C	0
33539A			.336	.594	.731	24.7	36.4	8.24	14.32	4f	C	0
33539B			.338	.594	.730	24.8	36.4	3.96	6.88	3	C	0
33540		Mercator M	.346	.503	.792	23.6	30.2	2.08	3.62	2	C	0
33541		Mercator L	.342	.511	.789	23.4	30.7	2.50	4.35	2	C	0
33545			.343	.552	.760	24.3	33.5	16.90	29.37	5f	aMC	0
33546			.344	.565	.750	24.6	34.4	14.90 13.29	25.90 23.10	5f	aMC	0
33547	2554A	Capuanus C	.350	.572	.742	25.3	34.9	5.97	10.38	3	C	0
33548			.341	.587	.734	24.9	35.9	7.94	13.80	4	C	0
33549			.350	.600	.719	25.9	36.9	2.07	3.60	2	C	0
33549A			.344	.590	.730	25.2	36.2	9.85	17.12	3	C	0
33556	2554	Capuanus A	.356	.569	.741	25.7	34.7	7.72	13.42	2	C	0
33556A			.355	.564	.746	25.5	34.3	5.84	10.15	3	C	0
33557			.352	.578	.736	25.6	35.3	6.01	10.45	3	C	0
33558			.351	.583	.733	25.6	35.7	5.40	9.39	3	C	0
33558A			.353	.589	.727	25.9	36.1	5.24	9.11	2	C	0
33559	2557	Capuanus D	.356	.594	.721	26.3	36.4	12.40	21.55	2	C	0
33561		Mercator G	.361	.517	.776	24.9	31.1	8.03	13.96	3f	aMC	0
33562			.365	.526	.768	25.4	31.7	10.99	19.10	5f	aMC	0
33567			.365	.574	.733	26.5	35.0	6.36	11.05	3	C	0
33568			.362	.585	.726	26.5	35.8	3.95	6.87	2	C	0
33568A			.368	.580	.727	26.9	35.5	3.57	6.21	3	C	0
33568B			.368	.581	.726	26.9	35.5	3.40	5.91	3	C	0
33568C			.360	.581	.730	26.3	35.5	6.46 4.78	11.23 8.31	3	C	0
33574			.374	.545	.750	26.5	33.0	4.59	7.98	3	C	0
33576	2548	Capuanus	.372	.560	.740	26.7	34.1	34.36	59.72	3f	aMC	0
33577			.370	.573	.731	26.8	35.0	4.14	7.20	3	C	0
33577A			.376	.579	.723	27.5	35.4	3.00	5.21	3	C	0
33577B			.377	.577	.725	27.5	35.2	2.75	4.78	2	C	0
33577C			.372	.574	.729	27.0	35.0	2.44	4.24	2	C	0
33580			.388	.506	.770	26.7	30.4	2.19	3.81	2	C	0
33582A			.389	.528	.755	27.3	31.9	40.41	70.24	5	aMC	p
33586	2555	Capuanus B	.384	.564	.731	27.7	34.3	6.36 8.04	11.05 13.97	4	C	0
33587	2557A	Capuanus P	.388	.577	.719	28.4	35.2	41.89 25.96	72.81 45.12	5f	aMC	0
33590			.391	.507	.768	27.0	30.5	27.12	47.14	4	aMC	0
33590A		Mercator E	.390	.500	.773	26.8	30.0	3.13	5.44	3	C	0
33600			.300	.603	.739	22.1	37.1	3.58	6.22	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
33600A			-.309	-.604	+.735	-22.8	-37.2	3.80	6.60	3	C	0
33601			.306	.611	.730	22.7	37.7	3.45	6.00	3	C	0
33602		Haidinger F	.306	.625	.718	23.1	38.7	2.97	5.16	2	C	0
33616			.315	.664	.678	24.9	41.6	15.78 14.03	27.43 24.39	4	C	p
33617		Wilhelm GA	.317	.670	.671	25.3	42.1	2.10	3.65	2	C	0
33617A			.317	.670	.671	25.3	42.1	14.80 10.19	25.72 17.71	4	C	0
33621	2559A	Haidinger J	.325	.615	.718	24.3	38.0	8.62	14.98	1	C	0
33622	2560A	Haidinger A	.325	.624	.711	24.6	38.6	5.25	9.13	1	C	0
33623	2560	Haidinger	.328	.631	.703	25.0	39.1	12.09	21.01	2	pMC	p
33623A	2560B	Haidinger B	.320	.632	.706	24.4	39.2	5.91	10.27	1	pMC	0
33623B			.328	.634	.700	25.1	39.3	2.54	4.41	2	C	0
33625			.327	.650	.686	25.5	40.5	17.81 10.35	30.96 17.99	4f	aMC	0
33627	2728	Wilhelm G	.322	.676	.663	25.9	42.5	9.86	17.14	3	C	0
33629		Lagalla H	.325	.699	.637	27.0	44.3	2.98	5.18	2	C	0
33632			.333	.623	.708	25.2	38.5	2.04	3.55	2	C	0
33632A		Haidinger P	.338	.622	.706	25.6	38.5	2.56	4.45	2	C	0
33636		Wilhelm J	.330	.662	.673	26.1	41.5	9.27	16.11	4	C	0
33638			.339	.689	.641	27.9	43.6	35.26	61.29	5	C	0
33640	2558E	Capuanus M	.343	.608	.716	25.6	37.4	3.74	6.50	1	C	0
33640A			.345	.606	.717	25.7	37.3	4.82	8.38	3	C	0
33642	2558D	Capuanus L	.348	.620	.703	26.3	38.3	6.45	11.21	1	C	0
33643		Haidinger N	.340	.635	.694	26.1	39.4	3.42	5.94	1	pMC	0
33643A			.345	.632	.694	26.4	39.2	3.93	6.83	4f	aMC	0
33643B			.344	.630	.696	26.3	39.1	2.84	4.94	3	C	0
33644			.340	.644	.685	26.4	40.1	9.14	15.89	4f	aM	0
33647		Epimenides C	.341	.673	.656	27.5	42.3	2.31	4.02	2	C	0
33649			.346	.692	.634	28.6	43.8	2.02	3.51	2	C	0
33650	2558A	Capuanus F	.358	.601	.715	26.6	36.9	3.71	6.45	1	C	0
33651	2558C	Capuanus K	.352	.614	.706	26.5	37.9	4.89	8.50	2	C	0
33651A			.352	.610	.710	26.4	37.6	2.47	4.29	3	C	0
33653	2558B	Capuanus H	.353	.634	.688	27.2	39.3	2.50	4.35	1	pM	0
33654			.358	.649	.671	28.1	40.5	6.31	10.97	2	C	0
33655			.359	.654	.666	28.3	40.8	2.77	4.81	2	C	0
33657			.355	.679	.643	28.9	42.8	8.74	15.19	4	C	p
33660	2558	Capuanus E	.361	.609	.706	27.1	37.5	16.69	29.01	2f	C	0
33661			.366	.612	.701	27.6	37.7	2.14	3.72	2	C	0
33662			.368	.622	.691	28.0	38.5	3.72	6.47	2	C	0
33664			.365	.644	.672	28.5	40.1	4.80	8.34	3	C	0
33665			.366	.652	.664	28.9	40.7	3.38	5.87	2	C	0
33666	2587B	Epimenides B	.360	.664	.655	28.8	41.6	5.93	10.31	2	C	0
33666A	2587	Epimenides S	.366	.664	.652	29.3	41.6	14.77	25.67	2	C	P

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
33667			-.367	-.676	+.639	-29.9	-42.5	3.33	5.79	3	C	0
33668	(2589)	Epimenides A	.365	.684	.632	30.0	43.2	8.56	14.88	1	C	0
33672			.370	.626	.686	28.3	38.8	2.48	4.31	3	C	0
33685	2591	Epimenides	.380	.655	.653	30.2	40.9	15.54	27.01	2	C	p
33686			.389	.664	.639	31.3	41.6	2.25	3.91	3	C	0
33690			.396	.601	.694	29.7	36.9	2.04	3.55	1	C	0
33692			.397	.622	.675	30.5	38.5	2.45	4.26	2	C	0
33692A			.398	.629	.668	30.8	39.0	7.13	12.39	4f	aMC	0
33695			.295	.658	.641	31.6	41.1	2.95	5.13	1	C	0
33700	2727	Lagalla F	.304	.702	.644	25.3	44.6	16.75	29.11	2f	C	0
33701			.307	.717	.626	26.1	45.8	4.94	8.59	3	C	0
33701A			.301	.715	.631	25.5	45.6	4.94	8.59	3	C	0
33702			.300	.721	.625	25.7	46.1	3.65	6.34	3f	C	0
33702A			.304	.722	.622	26.1	46.2	6.19	10.76	3f	C	0
33703		Lagalla T	.303	.735	.607	26.5	47.3	4.03	7.00	1	C	0
33703A			.300	.739	.603	26.4	47.6	9.84	17.10	3f	C	0
33703B			.308	.736	.603	27.1	47.4	6.94	12.06	5f	C	0
33704			.304	.747	.591	27.2	48.3	10.26 5.14	17.83 8.93	4	C	0
33705A			.300	.759	.578	27.4	49.4	2.66	4.62	4	C	0
33708		Bayer P	.306	.784	.540	29.5	51.6	2.17	3.77	1	C	0
33708A			.309	.789	.531	30.2	52.1	12.50	21.73	5f	C	0
33709			.309	.793	.525	30.5	52.5	16.78 13.43	29.17 23.34	5f	C	0
33709A			.304	.799	.519	30.4	53.0	13.17	22.89	5f	C	0
33710	2585	Lagalla N	.311	.706	.636	26.0	44.9	6.68	11.61	1	C	0
33711			.315	.714	.625	26.7	45.6	2.08	3.62	2	C	0
33712			.310	.721	.620	26.6	46.1	2.96	5.14	3	C	0
33715	2606	Bayer B	.311	.752	.581	28.2	48.8	10.33 7.27	17.96 12.64	2	C	0
33715A			.318	.752	.577	28.8	48.8	2.07	3.60	2	C	0
33717			.310	.770	.558	29.1	50.4	20.73 24.40	36.03 42.41	5f	C	0
33718	2604A	Bayer A	.316	.780	.540	30.3	51.3	10.06	17.49	1f	C	0
33719	2609A	Bayer F	.315	.798	.514	31.5	52.9	11.26	19.57	2f	C	0
33720			.329	.708	.625	27.8	45.1	3.91	6.80	3	C	0
33723			.323	.736	.595	28.5	47.4	5.65	9.82	5	C	0
33723A			.326	.732	.598	28.6	47.1	3.39	5.89	3	C	0
33723B			.324	.733	.598	28.4	47.1	3.51	6.10	3	C	0
33724	2608A	Bayer N	.325	.746	.581	29.2	48.2	5.12	8.90	2	C	0
33725			.325	.752	.573	29.5	48.8	26.86 20.16	46.69 35.04	5f	C	0
33725A		Bayer T	.329	.757	.565	30.2	49.2	4.63	8.05	2	C	0
33726			.323	.760	.564	29.8	49.5	5.53	9.61	4	C	0
33727	2605A	Bayer M	.327	.773	.544	31.0	50.6	5.65	9.82	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
33729			-.326	-.797	+.508	-32.7	-52.8	2.06	3.58	2	C	0
33730			.336	.701	.629	28.1	44.5	4.95	8.60	3f	C	0
33731	(2592C)	Mee C	.337	.710	.618	28.6	45.2	7.21	12.53	1	C	0
33731A	(2592B)	Mee M	.339	.717	.609	29.1	45.8	4.33	7.53	1	C	0
33731B			.336	.719	.608	28.9	46.0	2.66	4.62	2	C	0
33734	2608	Bayer D	.332	.742	.582	29.7	47.9	11.63	20.21	2f	C	0
33734A			.333	.744	.579	29.9	48.1	2.08	3.62	2	C	0
33735			.334	.758	.560	30.8	49.3	4.83	8.40	3	C	0
33736	2607	Bayer C	.335	.762	.554	31.2	49.6	12.42	21.59	3	C	0
33736A			.332	.767	.549	31.2	50.1	3.01	5.23	2	C	0
33737			.331	.770	.545	31.2	50.4	2.91	5.06	4	C	0
33738	2605	Bayer E	.331	.785	.524	32.3	51.7	16.89	29.36	2	C	0
33739	2609	Bayer J	.339	.790	.511	33.6	52.2	10.61	18.44	3f	C	0
33739A			.331	.797	.505	33.2	52.8	4.59	7.98	3	C	0
33740	(2587A)	Mee A	.347	.700	.624	29.1	44.4	8.08	14.04	3	C	0
33741	(2592D)	Mee P	.347	.718	.603	29.9	45.9	8.13	14.13	1	C	0
33744			.342	.748	.569	31.0	48.4	3.29	5.72	3	C	0
33744A		Bayer U	.345	.748	.567	31.3	48.4	5.85	10.17	3	C	0
33745			.340	.750	.567	30.9	48.6	4.85	8.43	4	C	0
33745A			.340	.758	.557	31.4	49.3	8.89	15.45	4	C	0
33746			.342	.763	.549	31.9	49.7	3.00	5.21	3	C	0
33746A			.346	.762	.547	32.3	49.6	7.50	13.04	4	C	0
33746B			.345	.762	.548	32.2	49.6	34.38	59.76	5	C	0
33747			.342	.775	.531	32.8	50.8	3.85	6.69	4	C	0
33747A			.348	.778	.523	33.6	51.1	2.10	3.65	3	C	0
33749			.345	.792	.504	34.4	52.4	2.06	3.58	2	C	0
33751			.355	.716	.601	30.6	45.7	7.90	13.73	3	C	0
33752			.358	.720	.595	31.1	46.1	13.25	23.03	4f	C	0
33752A			.359	.726	.587	31.5	46.6	18.70	32.50	4f	C	0
33753		Bayer V	.354	.737	.576	31.6	47.5	4.96	8.62	3	C	0
33753A			.358	.736	.575	31.9	47.4	2.13	3.70	2	C	0
33754			.354	.748	.561	32.2	48.4	8.90	15.47	4	C	0
33754A			.357	.742	.567	32.2	47.9	6.70	11.65	3	C	0
33756	2614	Bayer K	.357	.769	.530	33.9	50.3	8.93	15.52	2	C	0
33756A			.355	.760	.544	33.1	49.5	2.90	5.04	1	C	0
33758	2604	Bayer	.357	.783	.509	35.0	51.5	27.25	47.36	2f	C	0
33758A	2612	Bayer G	.358	.785	.506	35.3	51.7	3.92	6.81	2	C	0
33759		Bayer R	.354	.793	.496	35.5	52.5	4.90	8.52	3	C	0
33760	(2592)	Mee B	.368	.702	.610	31.1	44.6	8.60	14.95	3f	C	0
33763			.361	.734	.575	32.1	47.2	16.79	29.18	5	C	0
33763A			.360	.739	.569	32.3	47.6	2.05	3.56	2	C	0
33764		Bayer W	.367	.743	.560	33.3	48.0	5.34	9.28	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
33764A			-.360	-.749	+.556	-32.9	-48.5	2.30	4.00	3	C	0
33764B			.365	.749	.553	33.4	48.5	3.24	5.63	3	C	0
33764C			.367	.749	.552	33.6	48.5	2.12	3.68	3	C	0
33765		Bayer Z	.361	.755	.547	33.4	49.0	3.87	6.73	3	C	0
33765A			.362	.751	.552	33.2	48.7	2.40	4.17	3	C	0
33766			.361	.760	.540	33.7	49.5	3.14	5.46	3	C	0
33769		Bayer S	.362	.790	.495	36.2	52.2	8.10	14.08	3	C	0
33769A			.365	.792	.489	36.7	52.4	5.47	9.51	3	C	0
33772			.376	.724	.578	33.0	46.4	22.62 16.64	39.32 28.92	5	C	0
33773	2614A	Bayer L	.374	.737	.563	33.6	47.5	7.85	13.64	1	C	0
33774			.375	.742	.556	34.0	47.9	17.09	29.70	4	C	0
33774A			.376	.748	.547	34.5	48.4	2.82	4.90	3	C	0
33777			.374	.777	.506	36.5	51.0	2.52	4.38	2	C	0
33781	(2592A)	Mee D	.382	.712	.589	33.0	45.4	5.30	9.21	1	C	0
33783			.387	.732	.561	34.6	47.1	2.27	3.95	3	C	0
33785		Bayer Y	.381	.757	.531	35.7	49.2	17.60	30.59	3	C	0
33785A			.386	.751	.536	35.8	48.7	3.00	5.21	2	C	0
33786		Schiller J	.386	.762	.520	36.6	49.6	5.39	9.37	2	C	0
33787		Schiller H	.386	.775	.500	37.6	50.8	37.36	64.94	4f	C	0
33788		Schiller G	.387	.780	.492	38.2	51.3	5.51	9.58	2	C	0
33791			.392	.717	.576	34.2	45.8	3.59	6.24	2	C	0
33792			.396	.723	.566	35.0	46.3	2.07	3.60	2	C	0
33792A			.397	.722	.567	35.0	46.2	13.30 16.63	23.12 28.91	4	C	0
33793			.398	.737	.546	36.1	47.5	2.12	3.68	2	C	0
33794			.398	.740	.542	36.3	47.7	34.34 41.47	59.69 72.08	5	C	0
33798	2597	Schiller	.397	.786	.474	40.0	51.8	102.87 40.91	178.80 71.11	3	C	R
33798A			.394	.780	.486	39.0	51.3	2.86	4.97	2	C	0
33800			.307	.803	.511	31.0	53.4	8.65	15.03	4f	C	0
33801			.307	.818	.486	32.3	54.9	12.36	21.48	4f	C	0
33802			.306	.826	.473	32.9	55.7	2.98	5.18	2	C	0
33802A			.309	.823	.477	33.0	55.4	4.30	7.47	3	C	0
33803	2619	Rost	.307	.833	.460	33.7	56.4	28.04	48.74	2f	C	0
33803A		Rost K	.303	.839	.452	33.8	57.0	2.74	4.76	2	C	0
33804		Weigel G	.309	.845	.436	35.3	57.7	3.89	6.76	2	C	0
33806		Scheiner W	.301	.869	.393	37.5	60.3	4.08	7.09	1	C	0
33807			.306	.878	.368	39.7	61.4	2.16	3.75	2	C	0
33809		Bettinus E	.302	.893	.334	42.1	63.3	4.19	7.28	1	C	0
33811			.312	.814	.490	32.5	54.5	11.23	19.52	4f	C	0
33812			.313	.825	.471	33.6	55.6	2.65	4.61	3	C	0
33812A			.314	.823	.473	33.6	55.4	3.73	6.48	2	C	0
33812B			.315	.821	.476	33.5	55.2	3.92	6.81	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
33813			-.315	-.836	+.449	-35.0	-56.7	2.65	4.61	2	C	0
33814			.315	.842	.438	35.7	57.4	2.40	4.17	2	C	0
33815	2627	Weigel A	.318	.853	.414	37.5	58.5	8.86	15.40	1	C	0
33819	2682	Bettinus	.316	.895	.315	45.1	63.5	41.06	71.37	2	C	P
33819B		Bettinus F	.313	.890	.332	43.4	62.9	3.19	5.54	1	C	0
33820			.324	.805	.497	33.1	53.6	2.95	5.13	1	C	0
33820A			.320	.808	.495	32.9	53.9	5.04	8.76	4	C	0
33820B	2613	Bayer H	.320	.804	.501	32.6	53.5	21.38	37.16	3f	C	0
33821			.321	.815	.482	33.6	54.6	14.94	25.97	5f	C	0
33822			.327	.820	.470	34.8	55.1	20.74	36.05	5f	C	0
33824			.324	.849	.417	37.8	58.1	3.67	6.38	2	C	0
33829			.325	.892	.314	46.0	63.1	2.80	4.87	2	C	0
33829A			.328	.897	.296	47.9	63.8	3.19	5.54	2	C	0
33830		Bayer X	.330	.803	.496	33.6	53.4	4.63	8.05	1	C	0
33830A			.330	.807	.490	34.0	53.8	17.07	29.67	4f	C	0
33833	2620	Rost A	.330	.834	.442	36.7	56.5	22.43	38.99	2f	C	0
33834			.338	.845	.414	39.2	57.7	5.31	9.23	2f	C	0
33835	2626	Weigel	.330	.850	.411	38.8	58.2	20.46	35.56	2	C	0
33836	2629	Weigel C	.338	.861	.380	41.6	59.4	5.74	9.98	1	C	0
33837		Bettinus G	.333	.879	.341	44.3	61.5	3.79	6.59	2	C	0
33837A			.332	.878	.345	43.9	61.4	4.73	8.22	3	C	0
33840			.340	.801	.493	34.6	53.2	6.06	10.53	3	C	0
33840A			.341	.805	.485	35.1	53.6	12.88	22.39	4	C	0
33841	2621	Rost B	.341	.815	.469	36.0	54.6	11.80	20.51	3f	C	0
33841A			.347	.819	.457	37.2	55.0	4.50	7.82	3	C	0
33844			.345	.843	.413	39.9	57.5	2.38	4.14	3	C	0
33844A			.345	.845	.409	40.2	57.7	4.96	8.62	3	C	0
33844B			.346	.845	.408	40.3	57.7	3.01	5.23	2	C	0
33844C			.348	.848	.400	41.0	58.0	2.60	4.52	3	C	0
33844D			.342	.840	.421	39.1	57.1	3.13	5.44	2	C	0
33845	2628	Weigel B	.341	.855	.391	41.1	58.8	21.39	37.18	3	C	0
33845A		Weigel H	.343	.850	.400	40.6	58.2	8.42	14.64	2	C	0
33845B			.345	.855	.387	41.7	58.8	8.57	14.90	2	C	0
33845C			.346	.859	.377	42.5	59.2	12.49	21.71	4	C	0
33847	2645	Zuchius C	.346	.873	.344	45.2	60.8	12.57	21.85	3f	C	0
33847A			.348	.873	.342	45.5	60.8	3.04	5.28	2	C	0
33849	2684	Bettinus B	.346	.896	.278	51.2	63.6	13.98	24.30	2	C	0
33851			.353	.816	.458	37.6	54.7	2.81	4.88	2	C	0
33853			.353	.839	.414	40.4	57.0	2.84	4.94	3	C	0
33854	2630	Weigel D	.352	.848	.396	41.6	58.0	9.19	15.97	2	C	0
33854A		Weigel F	.352	.843	.407	40.9	57.5	4.08	7.09	1	C	0
33855		Segner N	.357	.859	.367	44.2	59.2	3.04	5.28	2	C	0
33856		Segner M	.357	.863	.357	45.0	59.7	3.05	5.30	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
33859			-.350	-.899	+.263	-53.1	-64.0	8.60	14.95	4	C	0
33859A			.356	.898	.259	54.0	63.9	33.00	57.36	5	C	0
33859B			.359	.894	.268	53.2	63.4	2.65	4.61	2	C	0
33861			.368	.810	.457	38.9	54.1	2.34	4.07	3	C	0
33863	2630A	Weigel E	.367	.837	.406	42.1	56.8	6.22	10.81	1	pM	0
33863A			.361	.831	.423	40.5	56.2	4.45	7.73	3	C	0
33865			.361	.853	.377	43.8	58.5	3.14	5.46	3	C	0
33865A			.368	.856	.363	45.4	58.9	3.33	5.79	3	C	0
33868			.368	.889	.272	53.5	62.7	12.97 20.36	22.54 35.39	4	C	0
33870			.372	.806	.460	38.9	53.7	3.28	5.70	2	C	0
33871		Schiller S	.371	.819	.438	40.3	55.0	9.71	16.88	3	C	0
33871A			.379	.810	.448	40.3	54.1	2.88	5.01	2	C	0
33873			.379	.835	.399	43.5	56.6	3.28	5.70	1	pM	0
33874			.370	.844	.388	43.6	57.6	2.28	3.96	2	C	0
33874A			.374	.844	.384	44.2	57.6	2.23	3.88	2	C	0
33874B			.376	.843	.385	44.3	57.5	3.04	5.28	2	C	0
33875			.374	.853	.364	45.8	58.5	4.66	8.10	4	C	0
33877	2640	Zuchius	.370	.879	.301	50.9	61.5	36.94	64.21	2	C	PP
33879		Zuchius J	.373	.893	.252	56.0	63.3	5.31	9.23	4	C	0
33880			.383	.807	.450	40.4	53.8	2.58	4.48	2	C	0
33881		Schiller W	.381	.812	.442	40.8	54.3	9.05	15.73	3	C	0
33882			.384	.825	.415	42.8	55.6	3.74	6.50	1	pM	0
33883			.385	.835	.393	44.4	56.6	3.29	5.72	3	pM	0
33884	2636	Segner C	.384	.845	.372	45.9	57.7	10.67	18.55	2	pM	0
33884A			.386	.841	.379	45.5	57.2	6.77	11.77	2	pM	0
33884B			.389	.841	.376	46.0	57.2	2.67	4.64	3	pM	0
33885	2633	Segner	.386	.856	.344	48.3	58.9	38.61	67.11	3	C	PP
33885A		Segner L	.380	.854	.355	46.9	58.6	2.88	5.01	2	C	0
33885B	2636A	Segner H	.389	.852	.350	48.0	58.4	3.90	6.78	1	C	0
33888	2642	Zuchius B	.384	.881	.276	54.3	61.8	14.58	25.34	2	C	0
33888A			.383	.883	.271	54.7	62.0	3.82	6.64	2	C	0
33889			.389	.897	.210	61.6	63.8	4.10	7.13	2	C	0
33890		Schiller N	.396	.804	.444	41.8	53.5	3.69	6.41	1	C	0
33892			.393	.828	.400	44.5	55.9	16.76	29.13	5f	aM	0
33892A			.397	.828	.396	45.1	55.9	101.06	175.66	5f	aM	0
33892B			.399	.828	.394	45.4	55.9	204.21	354.95	5f	C	0
33894	2634	Segner A	.394	.840	.373	46.6	57.1	5.12	8.90	1	pM	0
33897			.390	.877	.281	54.3	61.3	3.90	6.78	2	C	0
33898	2641	Zuchius A	.392	.882	.262	56.3	61.9	15.89	27.62	2	C	0
33898A			.395	.886	.243	58.4	62.4	6.88	11.96	2	C	0
33899	2653A	Bailly H	.394	.895	.209	62.0	63.5	9.27	16.11	1	C	0
33899A			.391	.894	.219	60.8	63.4	3.99	6.94	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
33899B			-.395	-.892	+.220	-60.9	-63.1	3.15	5.48	3	C	0
33900	2684A	Bettinus D	.306	.906	.292	46.3	65.0	5.36	9.32	1	C	0
33900A			.300	.908	.292	45.7	65.2	6.03	10.48	4	C	0
33901			.300	.919	.256	49.5	66.8	14.71	25.57	3f	C	0
33903	2649	Bailly A	.305	.935	.181	59.3	69.2	22.01	38.26	2	C	0
33903A			.302	.937	.176	59.8	69.6	3.49	6.07	1	C	0
33903B			.303	.931	.204	56.1	68.6	6.47	11.25	3	C	0
33904			.305	.942	.140	65.3	70.4	5.07	8.81	2	C	0
33905	2652H	Bailly V	.308	.951	.027	85.0	72.0	16.58	28.82	2	C	0
33905A			.304	.951	.056	79.5	72.0	7.93	13.78	2	C	0
33910	2683	Bettinus A	.319	.906	.278	48.9	65.0	15.02	26.11	2f	C	0
33910A			.317	.904	.287	47.9	64.7	3.02	5.25	1	C	0
33913			.312	.930	.194	58.1	68.4	3.54	6.15	2	C	0
33914	2652G	Bailly U	.311	.948	.068	77.7	71.4	8.18	14.22	2	C	0
33921			.327	.917	.228	55.1	66.5	5.43	9.44	3	C	0
33922			.326	.928	.180	61.0	68.1	2.58	4.48	2	C	0
33923	2650	Bailly B	.323	.932	.164	63.0	68.7	37.45	65.09	2	C	?
33923A			.320	.939	.126	68.5	69.9	3.15	5.48	2	C	0
33923B			.328	.935	.135	67.6	69.2	4.09	7.11	2	C	0
33923C			.326	.938	.118	70.1	69.7	2.94	5.11	2	C	0
33923D			.329	.937	.117	70.4	69.6	3.25	5.65	2	C	0
33924			.324	.940	.107	71.7	70.1	6.92	12.03	3	C	0
33924A			.323	.943	.080	76.1	70.6	3.99	6.94	2	C	0
33931			.335	.918	.212	57.6	66.6	5.85	10.17	1	C	0
33933			.330	.932	.150	65.6	68.7	4.72	8.20	2	C	0
33940			.345	.909	.234	55.9	65.4	31.86	55.38	5	C	0
33941			.342	.914	.218	57.5	66.1	2.89	5.02	2	C	0
33941A			.342	.918	.201	59.6	66.6	2.57	4.47	2	C	0
33941B			.348	.913	.213	58.5	65.9	3.43	5.96	2	C	0
33941C			.348	.917	.195	60.7	66.5	25.16	43.73	5	C	0
33941D			.348	.918	.190	61.3	66.6	3.55	6.17	2	C	0
33942			.343	.929	.139	67.9	68.3	3.71	6.45	2	C	0
33942A			.344	.920	.188	61.4	66.9	3.29	5.72	1	C	0
33942B			.349	.926	.144	67.6	67.8	3.23	5.61	2	C	0
33943			.340	.930	.140	67.7	68.4	4.11	7.14	1	C	0
33951	2650B	Bailly G	.354	.911	.212	59.1	65.6	10.09	17.54	1	C	p?
33951A			.352	.917	.188	61.9	66.5	2.98	5.18	1	C	0
33951B			.356	.916	.185	62.5	66.3	2.31	4.02	2	C	0
33952	2650A	Bailly F	.358	.924	.134	69.4	67.5	8.93	15.52	1	C	0
33952A			.352	.925	.143	67.9	67.7	2.72	4.73	3	C	0
33952B			.354	.929	.108	73.0	68.3	3.15	5.48	2	C	0
33952C			.357	.929	.098	74.7	68.3	6.94	12.06	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
33953			-.351	-.934	+.067	-79.2	-69.1	2.83	4.92	2	C	0
33960		Zuchius K	.368	.901	.230	58.0	64.3	5.47	9.51	3	C	0
33960A			.369	.905	.212	60.2	64.8	4.27	7.42	2	C	0
33961	2648	Bailly	.369	.919	.139	69.4	66.8	174.59	303.46	3	C	0
33962			.363	.920	.148	67.9	66.9	2.99	5.20	2	C	0
33970			.372	.904	.211	60.5	64.7	5.07	8.81	3	C	0
33970A			.376	.904	.203	61.6	64.7	2.62	4.55	2	C	0
33971			.376	.916	.140	69.6	66.3	4.15	7.21	2	C	0
33980			.381	.900	.212	60.9	64.2	5.48	9.53	2	C	0
33980A			.388	.902	.189	64.0	64.4	3.95	6.87	2	C	0
33980B			.382	.901	.206	61.7	64.3	6.19	10.76	3	C	0
33980C			.383	.909	.164	66.8	65.4	11.74	20.41	3	C	0
33981	2652B	Bailly T	.381	.917	.118	72.8	66.5	10.48	18.22	2	C	0
33981A	2651	Bailly C	.385	.912	.142	69.8	65.8	11.53	20.04	4	C	0
33981B			.380	.915	.136	70.4	66.2	4.30	7.47	3	C	0
33990	2652	Bailly D	.398	.908	.131	71.8	65.2	13.14	22.84	2	C	0
33990A			.390	.905	.170	66.5	64.8	3.78	6.57	3	C	0
33990B			.394	.903	.171	66.5	64.6	6.27	10.90	3	C	0
33990C			.396	.906	.149	69.3	65.0	2.62	4.55	3	C	0
33991			.391	.911	.131	71.5	65.6	3.04	5.28	2	C	0
34014			.413	.040	.910	24.4	2.3	21.90	38.07	5f	aM	0
34016		Euclides KA	.410	.067	.910	24.3	3.8	1.73	3.01	2	pM	0
34017	2464C	Euclides K	.416	.074	.906	24.7	4.2	3.47	6.03	1	pM	0
34024			.424	.048	.904	25.1	2.8	9.44	16.41	5f	aM	0
34040	2480	Lansberg	.448	.006	.894	26.6	0.3	23.02	40.01	1	pM	P
34043		Lansberg N	.444	.033	.895	26.4	1.9	2.07	3.60	1	pM	0
34046		Lansberg L	.443	.061	.894	26.3	3.5	2.67	4.64	2	pMC	0
34048		Euclides L	.441	.088	.893	26.3	5.0	3.63	6.31	3	aMC	0
34048A			.446	.086	.891	26.6	4.9	2.02	3.51	1	pMC	0
34049			.440	.092	.893	26.2	5.3	2.63	4.57	3	aMC	0
34061			.461	.016	.887	27.5	0.9	2.48	4.31	3	pM	0
34067	(2489A)	Euclides P	.463	.078	.883	27.7	4.5	37.70	65.53	4f	aMC	0
34074	2482	Lansberg B	.470	.043	.882	28.1	2.5	5.69	9.89	1	pM	0
34082	2484	Lansberg C	.487	.026	.873	29.2	1.5	11.40	19.81	2f	M	0
34091	2487	Lansberg G	.491	.011	.871	29.4	0.6	5.68	9.87	3f	aM	0
34091A		Lansberg GA	.495	.011	.869	29.7	0.6	2.85	4.95	2	pM	0
34121	2464A	Euclides E	.421	.110	.900	25.1	6.3	2.30	4.00	1	pM	0
34126	2464	Euclides D	.428	.163	.889	25.7	9.4	3.86	6.71	1	pM	0
34166			.461	.167	.872	27.9	9.6	2.14	3.72	2	C	0
34168	2464D	Euclides M	.464	.181	.867	28.2	10.4	3.49	6.07	1	pMC	0
34171		Euclides J	.474	.112	.873	28.5	6.4	2.04	3.55	2	pMC	0
34182	2461	Euclides	.488	.128	.863	29.5	7.4	7.52	13.07	1	pM	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
34206			-.405	-.264	+.875	-24.8	-15.3	8.07	14.03	4	C	0
34209			.403	.293	.867	24.9	17.0	3.20	5.56	3	C	0
34209A			.407	.292	.865	25.2	17.0	4.02	6.99	3	C	0
34211	2832B	Darney E	.419	.215	.882	25.4	12.4	2.56	4.45	1	pM	0
34216			.414	.267	.870	25.4	15.5	4.36	7.58	4	aMC	0
34218	2830	Lubiniezky A	.414	.283	.865	25.6	16.4	16.95	29.46	4f	aMC	0
34218A			.419	.288	.861	25.9	16.7	2.69	4.68	3	C	0
34219			.416	.299	.859	25.8	17.4	3.26	5.67	3	C	0
34219A			.417	.295	.860	25.9	17.2	2.56	4.45	3	C	0
34219B			.414	.290	.863	25.6	16.9	3.92	6.81	2	pMC	0
34224	2832	Darney C	.425	.244	.872	26.0	14.1	7.66	13.31	1	pM	0
34225A		Darney B	.429	.255	.867	26.3	14.8	2.21	3.84	1	pM	0
34226			.420	.263	.869	25.8	15.2	4.11	7.14	3	aM	0
34233		Darney F	.432	.230	.872	26.4	13.3	2.01	3.49	1	pM	0
34235	2832A	Darney D	.439	.250	.863	27.0	14.5	3.18	5.53	1	pM	0
34236		Lubiniezky EA	.435	.268	.860	26.8	15.5	3.17	5.51	3	aM	0
34237			.430	.272	.861	26.5	15.8	8.67	15.07	5f	aM	0
34246			.442	.265	.857	27.3	15.4	7.86	13.66	5f	aM	0
34248	2834	Lubiniezky E	.440	.285	.852	27.3	16.6	21.52	37.40	4f	aM	0
34261		Euclides CC	.466	.210	.860	28.5	12.1	1.83	3.18	1	pM	0
34272		Euclides CA	.472	.227	.852	29.0	13.1	1.65	2.87	1	pM	0
34282	2463	Euclides C	.487	.230	.843	30.0	13.3	5.95	10.34	1	pM	0
34290	2462	Euclides B	.494	.204	.845	30.3	11.8	5.93	10.31	1	pM	0
34290A			.492	.202	.847	30.2	11.7	22.14	38.48	5f	aM	0
34297			.493	.276	.825	30.9	16.0	10.09	17.54	5f	aMC	0
34300			.407	.304	.861	25.3	17.7	7.86	13.66	5f	aMC	0
34301		Lubiniezky AB	.408	.318	.856	25.5	18.5	5.02	8.73	3	C	0
34302			.400	.320	.859	25.0	18.7	3.13	5.44	3	C	0
34302A			.409	.320	.855	25.6	18.7	3.04	5.28	3	C	0
34307		Bullialdus K	.401	.371	.838	25.6	21.8	6.74	11.72	5f	aM	0
34312			.417	.329	.847	26.2	19.2	4.62	8.03	4f	aMC	0
34314			.417	.345	.841	26.4	20.2	13.47	23.41	5	aMC	0
34314A			.416	.349	.840	26.4	20.4	3.47	6.03	3	C	0
34315		Agatharchides L	.419	.359	.834	26.7	21.0	4.86	8.45	3f	aMC	0
34315A			.417	.352	.838	26.5	20.6	2.45	4.26	3	C	0
34322	2499B	Agatharchides O	.423	.329	.844	26.6	19.2	2.75	4.78	1	pMC	0
34323			.422	.337	.842	26.6	19.7	2.90	5.04	4	aMC	0
34324	2496B	Agatharchides G	.422	.344	.839	26.7	20.1	3.28	5.70	1	pMC	0
34324A			.423	.341	.840	26.7	19.9	2.27	3.95	3	C	0
34325			.425	.350	.835	27.0	20.5	3.75	6.52	4	C	0
34328			.424	.380	.822	27.3	22.3	2.17	3.77	3	pMC	0
34331			.439	.319	.840	27.6	18.6	2.63	4.57	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
34332			-.439	-.327	+.837	-27.7	-19.1	10.03	17.43	4f	aMC	0
34332A			.439	.320	.840	27.6	18.7	2.93	5.09	3	C	0
34333			.435	.338	.835	27.5	19.8	4.97	8.64	4f	aMC	0
34334			.433	.342	.834	27.4	20.0	3.08	5.35	3	C	0
34335		Agatharchides K	.431	.358	.828	27.5	21.0	7.79 13.66	13.54 23.74	5f	aMC	0
34338			.430	.384	.817	27.8	22.6	6.21 10.36	10.79 18.01	5f	aM	0
34339	2491	Agatharchides A	.437	.395	.808	28.4	23.3	9.42	16.37	1	pM	0
34341		Agatharchides T	.441	.313	.841	27.7	18.2	3.05	5.30	3	pMC	0
34341A			.445	.316	.838	28.0	18.4	3.01	5.23	3	pMC	0
34353			.455	.330	.827	28.8	19.3	3.68 5.88	6.40 10.22	4	C	0
34354	2499A	Agatharchides P	.450	.346	.823	28.7	20.2	37.84	65.77	4f	aMC	0
34356		Agatharchides NA	.456	.368	.810	29.4	21.6	2.35	4.08	1	C	0
34357			.454	.378	.807	29.4	22.2	5.71	9.92	4f	aM	0
34360			.464	.309	.830	29.2	18.0	2.61	4.54	4	aM	0
34360A			.464	.307	.831	29.2	17.9	4.85	8.43	5	aM	0
34361			.460	.311	.832	28.9	18.1	2.44	4.24	3	aM	0
34363			.466	.336	.819	29.7	19.6	2.66	4.62	2	C	0
34364			.466	.342	.816	29.7	20.0	2.15	3.74	2	C	0
34364A			.468	.341	.815	29.9	19.9	2.31	4.02	2	C	0
34365	2499	Agatharchides N	.461	.358	.812	29.6	21.0	12.52	21.76	4f	aMC	0
34365A		Agatharchides NB	.464	.352	.813	29.7	20.6	2.16	3.75	2	C	0
34366			.465	.366	.806	30.0	21.5	2.11	3.67	2	pM	0
34369			.460	.390	.798	30.0	23.0	12.43	21.61	5f	aMC	0
34372			.470	.325	.821	29.8	19.0	20.73	36.03	5f	aMC	0
34374			.470	.340	.815	30.0	19.9	2.14	3.72	3	C	0
34375			.475	.350	.807	30.5	20.5	1.95 3.01	3.39 5.23	3	C	0
34375A			.477	.356	.804	30.7	20.9	2.11	3.67	2	C	0
34375B			.479	.352	.804	30.8	20.6	6.32	10.99	4	C	0
34377			.472	.375	.798	30.6	22.0	2.76	4.80	2	C	0
34380		Agatharchides S	.483	.304	.821	30.5	17.7	1.91	3.32	1	pM	0
34381		Agatharchides R	.485	.314	.816	30.7	18.3	3.00	5.21	2	pMC	0
34382			.488	.322	.811	31.0	18.8	2.75	4.78	3	C	0
34383	2490	Agatharchides	.483	.338	.808	30.9	19.8	27.95	48.58	4f	aMC	0
34386	2491A	Agatharchides B	.488	.366	.792	31.6	21.5	4.03	7.00	1	C	0
34388		Loewy H	.487	.387	.783	31.9	22.8	2.62	4.55	2	C	0
34388A			.487	.380	.786	31.8	22.3	2.16	3.75	2	C	0
34388B			.482	.380	.789	31.4	22.3	4.01	6.97	4	C	0
34389		Loewy G	.487	.391	.781	31.9	23.0	2.75	4.78	2	C	0
34393			.493	.337	.802	31.6	19.7	15.74 13.00	27.36 22.60	4f	aMC	0
34394	2496A	Agatharchides F	.493	.345	.799	31.7	20.2	3.64	6.33	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
34397		Loewy A	-.496	-.378	+.782	-32.4	-22.2	3.95	6.87	1	C	0
34398	2523	Loewy	.499	.385	.776	32.7	22.6	12.77 14.89	22.20 25.88	3f	aMC	0
34399		Loewy B	.500	.393	.772	32.9	23.1	1.99	3.46	1	pMC	0
34399A			.493	.390	.778	32.4	23.0	2.70	4.69	2	C	0
34406		Campanus X	.406	.466	.786	27.3	27.8	2.05	3.56	1	pMC	0
34409			.405	.490	.772	27.7	29.3	20.05	34.85	5f	aMC	0
34413			.414	.430	.802	27.3	25.5	17.07	29.67	5f	aM	0
34416	2525	Campanus	.411	.469	.782	27.7	28.0	27.63	48.03	2	pMC	P
34416A		Campanus Y	.418	.466	.780	28.2	27.8	2.39	4.15	1	pMC	0
34419		Marth K	.416	.499	.760	28.7	29.9	1.75	3.04	1	pM	0
34424		Campanus K	.424	.448	.787	28.3	26.6	2.92	5.08	1	C	0
34427			.429	.474	.769	29.2	28.3	5.67	9.86	3	C	0
34428	2527	Campanus B	.425	.489	.762	29.2	29.3	3.35	5.82	1	pM	0
34433	2526	Campanus A	.430	.438	.789	28.6	26.0	6.56	11.40	1	pMC	0
34433A			.438	.433	.788	29.1	25.7	6.36	11.05	4f	aMC	0
34434			.439	.448	.779	29.4	26.6	4.60 6.94	8.00 12.06	4f	aM	0
34437			.431	.475	.767	29.3	28.4	3.11	5.41	3	C	0
34439			.436	.490	.755	30.0	29.3	8.47 10.63	14.72 18.48	5f	aMC	0
34441			.442	.417	.794	29.1	24.6	11.32	19.68	5f	aMC	0
34446			.448	.461	.766	30.3	27.5	3.81	6.62	3	pMC	0
34446A			.446	.465	.765	30.3	27.7	2.05	3.56	1	C	0
34448			.448	.489	.748	30.9	29.3	4.63	8.05	3	C	0
34452	2522A	Hippalus B	.456	.425	.782	30.2	25.2	2.90	5.04	1	pMC	0
34452A	2511	Hippalus	.457	.420	.784	30.2	24.8	33.26	57.81	4f	aMC	0
34454		Pr. Kelvin G	.450	.440	.777	30.1	26.1	1.62	2.82	1	pM	0
34456			.458	.462	.759	31.1	27.5	2.31	4.02	3	C	0
34457			.452	.472	.757	30.8	28.2	21.70	37.72	5f	aMC	0
34457A	2528	Campanus G	.456	.478	.751	31.3	28.6	5.76	10.01	2f	C	0
34460		Hippalus C	.463	.408	.787	30.5	24.1	2.02	3.51	1	pM	0
34465			.465	.458	.758	31.5	27.3	2.86	4.97	3	pMC	0
34466		Pr. Kelvin A	.464	.461	.756	31.5	27.5	4.47	7.77	1	pMC	0
34468			.466	.489	.737	32.3	29.3	2.16	3.75	1	C	0
34469		Dunthorne C	.468	.491	.735	32.5	29.4	3.88	6.74	2	C	0
34474		Pr. Kelvin E	.470	.449	.760	31.7	26.7	2.51	4.36	2	C	0
34475			.471	.456	.755	32.0	27.1	2.64	4.59	2	C	0
34476			.473	.460	.751	32.2	27.4	6.83	11.87	3	C	0
34476A		Pr. Kelvin C	.476	.464	.747	32.5	27.6	2.96	5.14	2	C	0
34476B		Pr. Kelvin B	.471	.464	.750	32.1	27.6	3.98	6.92	1	C	0
34478		Dunthorne A	.472	.481	.739	32.6	28.8	3.44	5.98	3	C	0
34479			.470	.497	.729	32.8	29.8	3.39	5.89	4	C	0
34480		Hippalus D	.485	.400	.778	31.9	23.6	13.50	23.47	5f	aMC	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
34485			-.488	-.458	+.743	-33.3	-27.3	2.15	3.74	2	C	0
34486		Pr. Kelvin D	.483	.467	.741	33.1	27.8	3.83	6.66	2	pMC	0
34489		Dunthorne D	.484	.499	.719	34.0	29.9	3.44	5.98	1	C	0
34490	2521	Hippalus A	.495	.403	.770	32.7	23.8	4.61	8.01	1	pM	0
34500	2537	Mercator A	.401	.509	.762	27.8	30.6	4.98	8.66	1	pM	0
34507	2559	Elger	.405	.578	.708	29.8	35.3	11.80	20.51	3	aMC	p
34507A			.406	.572	.713	29.7	34.9	7.33	12.74	4f	aMC	0
34507B			.409	.578	.706	30.1	35.3	2.55	4.43	2	C	0
34511	2565	Marth	.419	.517	.746	29.3	31.1	3.53	6.14	2	pM	K
34517			.413	.577	.705	30.4	35.2	2.95	5.13	3	pMC	0
34517A			.413	.578	.704	30.4	35.3	2.95	5.13	3	C	0
34527	2566	Ramsden G	.427	.578	.695	31.6	35.3	6.33	11.00	1	pMC	0
34535		Ramsden A	.433	.552	.713	31.3	33.5	3.08	5.35	1	pM	0
34538	2567	Ramsden H	.435	.583	.686	32.4	35.7	5.89	10.24	2	C	0
34539			.437	.590	.679	32.8	36.2	3.01	5.23	3	C	0
34542		Dunthorne B	.448	.520	.727	31.6	31.3	3.90	6.78	2	pMC	0
34544	2561	Ramsden	.442	.543	.714	31.8	32.9	14.08	24.47	2f	aM	0
34546			.443	.564	.697	32.4	34.3	2.94	5.11	3	aMC	0
34549			.448	.597	.665	33.9	36.7	4.26	7.40	3	C	0
34550	2562	Dunthorne	.454	.501	.737	31.6	30.1	9.01	15.66	1	C	0
34552			.450	.527	.721	32.0	31.8	2.95	5.13	3	C	0
34555			.452	.559	.695	33.0	34.0	8.79 6.93	15.28 12.05	3f	aMC	0
34555A			.455	.555	.696	33.2	33.7	4.85	8.43	5f	aMC	0
34556			.450	.562	.694	33.0	34.2	3.76	6.54	3f	C	0
34557			.455	.573	.682	33.7	35.0	3.50	6.08	2	C	0
34561			.461	.511	.726	32.4	30.7	3.00	5.21	1	C	0
34563			.462	.530	.711	33.0	32.0	2.22	3.86	1	pM	0
34564	2564	Lepaute	.462	.549	.697	33.6	33.3	8.83	15.35	2f	C	0
34566		Lepaute K	.461	.564	.685	33.9	34.3	6.61	11.49	3	C	0
34567A			.464	.578	.671	34.7	35.3	9.78	17.00	5f	aMC	0
34568	(2563A)	Lepaute E	.465	.583	.666	34.9	35.7	5.94	10.32	3f	aMC	0
34572			.472	.520	.712	33.5	31.3	3.03 2.03	5.27 3.53	2	C	0
34573			.478	.538	.694	34.5	32.5	4.60 3.27	8.00 5.68	2	C	0
34576		Lepaute L	.476	.566	.673	35.3	34.5	5.33	9.26	2	C	0
34576A			.470	.567	.676	34.8	34.5	8.15	14.17	5	C	0
34586	(2563)	Lepaute D	.488	.564	.666	36.2	34.3	12.63	21.95	3	C	0
34589		Hainzel X	.481	.597	.642	36.8	36.7	2.94	5.11	1	C	0
34591	2355	Vitello B	.496	.518	.697	35.4	31.2	6.15	10.69	1	C	0
34591A		Vitello S	.495	.513	.701	35.2	30.9	3.56	6.19	2	C	0
34592		Vitello L	.492	.525	.694	35.3	31.7	3.78	6.57	1	C	0
34593		Vitello M	.496	.536	.683	36.0	32.4	4.10	7.13	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
34593A		Vitello N	-.499	-.531	+.685	-36.1	-32.1	2.94	5.11	1	C	0
34596			.495	.567	.658	36.9	34.5	7.37	12.81	5	C	0
34596A			.497	.561	.662	36.9	34.1	7.43	12.91	5	C	0
34599	2347	Clausius F	.495	.594	.634	38.0	36.4	15.10	26.25	3	C	0
34599A			.497	.595	.632	38.2	36.5	35.02	60.87	5	C	?
34600			.409	.603	.685	30.8	37.1	3.10	5.39	3	C	0
34602			.401	.621	.673	30.8	38.4	6.22	10.81	4	C	0
34605	2590B	Hainzel C	.408	.657	.634	32.8	41.1	21.63	37.60	3	C	P
34607			.403	.674	.619	33.1	42.4	3.94	6.85	3	C	0
34607A			.405	.671	.621	33.1	42.1	2.95	5.13	3	C	0
34608		Mee U	.409	.680	.609	33.9	42.8	4.52	7.86	2	C	0
34609	(2586)	Mee Q	.404	.690	.601	33.9	43.6	0.70	1.22	1	C	0
34610		Elger A	.412	.607	.680	31.2	37.4	4.85	8.43	2	C	0
34616	2573	Hainzel	.415	.660	.626	33.5	41.3	40.30	70.05	4	C	?
34619	2591A	Mee	.415	.691	.592	35.0	43.7	76.15	132.36	4	C	P
34620	2588B	Hainzel K	.423	.610	.670	32.3	37.6	7.89	13.71	2	C	0
34620A		Elger B	.423	.603	.676	32.0	37.1	4.85	8.43	3	C	0
34620B			.428	.606	.671	32.6	37.3	2.16	3.75	2	C	0
34620C			.421	.603	.678	31.9	37.1	25.00	43.45	5	C	0
34622			.421	.620	.662	32.5	38.3	18.98	32.99	5	C	0
34624	(2573)	Hainzel A	.426	.646	.633	33.9	40.2	30.53	53.07	3	C	P
34628	2593	Mee E	.422	.682	.597	35.2	43.0	9.21	16.01	4	C	0
34628A		Mee W	.421	.689	.590	35.5	43.6	2.94	5.11	1	C	0
34629		Mee Y	.428	.699	.573	36.8	44.3	3.87	6.73	1	C	0
34630	2590A	Hainzel H	.436	.601	.670	33.1	36.9	6.27	10.90	2	C	0
34630A		Hainzel G	.431	.609	.666	32.9	37.5	3.08	5.35	2	C	0
34631	2590	Hainzel B	.434	.615	.658	33.4	38.0	8.74	15.19	2	C	0
34636			.431	.667	.608	35.3	41.8	2.95	5.13	2	C	0
34636A			.437	.669	.601	36.0	42.0	3.93	6.83	3	C	0
34638	2594	Mee F	.435	.686	.583	36.7	43.3	7.11	12.36	1	C	0
34646		Mee X	.440	.663	.606	36.0	41.5	4.16	7.23	1	C	0
34647			.449	.671	.590	37.3	42.1	5.53	9.61	4	C	0
34650			.450	.600	.661	34.2	36.9	2.58	4.48	2	pMC	0
34650A		Lepaute F	.454	.606	.653	34.8	37.3	3.93	6.83	2	C	0
34651	2582	Hainzel L	.450	.617	.646	34.9	38.1	9.86	17.14	1	C	0
34651A		Hainzel Z	.458	.611	.646	35.3	37.7	3.04	5.28	2	C	0
34653			.458	.632	.625	36.2	39.2	44.42	77.21	5	C	?
34654			.459	.647	.609	37.0	40.3	3.04	5.28	2	C	0
34654A			.459	.649	.607	37.1	40.5	3.92	6.81	3	C	0
34655			.454	.658	.601	37.1	41.1	2.55	4.43	3	C	0
34657		Mee T	.456	.676	.579	38.2	42.5	4.89	8.50	1	C	0
34657A			.457	.672	.583	38.1	42.2	4.98	8.66	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
34657B			-.458	-.670	+.584	-38.1	-42.1	7.04	12.24	3	C	0
34657C			.457	.679	.575	38.5	42.8	3.60	6.26	3	C	0
34658			.454	.685	.570	38.5	43.2	2.06	3.58	1	C	0
34658A			.457	.687	.565	39.0	43.4	6.39	11.11	4	C	0
34659		Mee H	.456	.696	.555	39.4	44.1	27.50	47.80	5	C	0
34661			.468	.615	.635	36.4	38.0	9.68	16.83	4	C	0
34662	2588D	Hainzel R	.463	.626	.627	36.4	38.8	10.90	18.95	2	C	p
34663			.467	.636	.614	37.2	39.5	28.38	49.33	5	C	0
34664	2582B	Hainzel T	.462	.646	.608	37.2	40.2	6.91	12.01	3	C	0
34664A			.467	.643	.607	37.6	40.0	2.98	5.18	3	C	0
34665		Hainzel S	.461	.657	.597	37.7	41.1	4.35	7.56	2	C	0
34667			.462	.671	.580	38.5	42.1	3.67	6.38	4	C	0
34667A			.464	.678	.570	39.1	42.7	3.63	6.31	3	C	0
34667B			.465	.676	.572	39.1	42.5	2.80	4.87	3	C	0
34668			.460	.682	.569	39.0	43.0	2.95	5.13	3	C	0
34668A			.464	.684	.563	39.5	43.2	3.30	5.74	2	C	0
34668B			.469	.685	.558	40.1	43.2	14.02	24.37	5	C	0
34673			.478	.638	.604	38.4	39.6	3.86	6.71	3	C	0
34675		Hainzel W	.475	.651	.592	38.7	40.6	18.04	31.36	4f	C	0
34676		Hainzel V	.470	.660	.586	38.7	41.3	11.57	20.11	4f	C	0
34676A			.477	.663	.577	39.6	41.5	3.88	6.74	4	C	0
34677	(2588C)	Hainzel N	.475	.677	.562	40.2	42.6	13.86	24.09	3f	C	0
34678		Mee S	.478	.685	.550	41.0	43.2	6.77	11.77	2	C	0
34679		Mee L	.477	.694	.539	41.5	43.9	4.35	7.56	2	C	0
34680			.481	.604	.635	37.1	37.2	2.06	3.58	2	C	0
34681	2588A	Hainzel J	.484	.613	.624	37.8	37.8	8.58	14.91	3	C	0
34682	2582A	Hainzel O	.487	.624	.611	38.6	38.6	7.76	13.49	2	C	0
34683			.485	.638	.598	39.0	39.6	13.24	23.01	4f	C	0
34684			.480	.642	.598	38.8	39.9	2.02	3.51	1	C	0
34685		Hainzel Y	.484	.656	.579	39.9	41.0	19.48	33.86	4f	C	0
34687		Hainzel NA	.486	.677	.553	41.3	42.6	6.54	11.37	3	C	0
34691			.497	.610	.617	38.8	37.6	2.95	5.13	2	C	0
34694			.493	.640	.589	39.9	39.8	7.04	12.24	4f	C	0
34694A			.498	.644	.581	40.6	40.1	18.45	32.07	5	C	0
34695	2337A	Drebbel M	.498	.660	.562	41.5	41.3	4.55	7.91	1	C	0
34695A			.491	.653	.577	40.4	40.8	2.95	5.13	3	C	0
34695B			.498	.655	.568	41.2	40.9	10.03 6.36	17.43 11.05	4f	C	0
34695C			.491	.656	.573	40.6	41.0	2.76	4.80	3	C	0
34699		Mee R	.494	.695	.522	43.4	44.0	5.76	10.01	2	C	0
34699A			.495	.691	.527	43.2	43.7	2.51	4.36	3	C	0
34701			.403	.718	.568	35.4	45.9	2.84	4.94	3	C	0
34701A			.408	.719	.563	35.9	46.0	3.17	5.51	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
34702			-.402	-.727	+.557	-35.8	-46.6	2.11	3.67	2	C	0
34704			.408	.744	.529	37.6	48.1	2.14	3.72	2	C	0
34705			.402	.758	.514	38.0	49.3	11.93	20.74	4f	C	0
34705A			.408	.752	.518	38.2	48.8	13.61	23.66	4f	C	0
34712			.412	.729	.547	37.0	46.8	3.46	6.01	4	C	0
34713	2598	Schiller A	.414	.733	.540	37.5	47.1	6.30	10.95	1	C	0
34714			.412	.744	.526	38.1	48.1	5.24	9.11	4	C	0
34714A			.415	.741	.528	38.2	47.8	7.32	12.72	4	C	0
34715	2599	Schiller B	.415	.753	.511	39.1	48.9	9.66	16.79	3	C	0
34717		Schiller T	.416	.773	.479	41.0	50.6	3.95	6.87	2	C	0
34717A			.412	.770	.487	40.2	50.4	3.06	5.32	3	C	0
34719			.414	.791	.450	42.6	52.3	7.42	12.90	5	C	0
34720			.425	.704	.569	36.8	44.7	2.74	4.76	2	C	0
34721			.424	.711	.561	37.1	45.3	3.16	5.49	2	C	0
34722		Schiller K	.429	.728	.535	38.7	46.7	6.20	10.78	2	C	0
34722A			.422	.728	.540	38.0	46.7	4.15	7.21	4	C	0
34727			.427	.779	.459	42.9	51.2	2.08	3.62	2	C	0
34728			.425	.784	.452	43.2	51.6	7.85	13.64	4	C	0
34730			.439	.709	.552	38.5	45.2	2.14	3.72	2	C	0
34730A			.438	.706	.557	38.2	44.9	11.28	19.61	4f	C	0
34731			.434	.712	.552	38.2	45.4	11.77	20.46	4f	C	0
34733		Schiller L	.439	.733	.520	40.2	47.1	6.55	11.38	2	C	0
34733A			.434	.730	.528	39.4	46.9	2.17	3.77	3	C	0
34734		Schiller M	.438	.745	.503	41.0	48.2	5.02	8.73	1	C	0
34737		Schiller F	.432	.774	.463	43.0	50.7	6.93	12.05	2	C	0
34739		Schiller R	.438	.790	.429	45.6	52.2	3.70	6.43	1	pM	0
34739A			.437	.799	.413	46.6	53.0	2.68	4.66	1	pM	0
34741			.444	.719	.535	39.7	46.0	28.58	49.68	5	C	0
34742			.446	.723	.528	40.2	46.3	2.28	3.96	3	C	0
34743		Nöggerath P	.449	.739	.502	41.8	47.6	5.15	8.95	2	C	0
34745A			.443	.757	.480	42.7	49.2	2.08	3.62	2	C	0
34746			.444	.760	.475	43.1	49.5	2.96	5.14	3	C	0
34747			.445	.777	.445	45.0	51.0	6.92	12.03	5f	aM	0
34748			.443	.788	.428	46.0	52.0	3.37	5.86	2	pM	0
34748A			.444	.789	.425	46.3	52.1	2.57	4.47	3	pM	0
34748B			.448	.789	.420	46.8	52.1	2.28	3.96	3	pM	0
34748C			.449	.789	.419	47.0	52.1	3.75	6.52	3	pM	0
34749			.440	.798	.412	46.9	52.9	2.28	3.96	2	pM	0
34749A			.446	.795	.411	47.3	52.7	3.19	5.54	1	pM	0
34750			.458	.706	.540	40.3	44.9	10.14	17.62	3	C	0
34751	2595	Mee G	.457	.713	.532	40.7	45.5	13.43	23.34	3	C	0
34752			.453	.722	.523	40.9	46.2	5.97	10.38	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
34753		Nöggerath D	-.451	-.734	+.508	-41.6	-47.2	8.07	14.03	2	C	0
34753A			.453	.738	.500	42.2	47.6	5.19	9.02	3	C	0
34754			.450	.747	.489	42.6	48.3	2.18	3.79	2	C	0
34754A			.453	.748	.485	43.0	48.4	4.25 2.31	7.39 4.02	3	C	0
34756	2280	Nöggerath G	.458	.768	.448	45.7	50.2	12.16	21.14	2f	pMC	0
34758			.457	.781	.426	47.0	51.4	2.52	4.38	2	pM	0
34758A			.457	.785	.418	47.5	51.7	2.76	4.80	3	pM	0
34759			.453	.790	.413	47.6	52.2	4.65	8.08	2	pM	0
34760		Mee J	.465	.700	.542	40.6	44.4	5.83	10.13	3	C	0
34760A			.463	.702	.541	40.6	44.6	3.06	5.32	2	C	0
34760B			.466	.707	.532	41.2	45.0	2.37	4.12	2	C	0
34761			.460	.717	.524	41.3	45.8	2.17	3.77	2	C	0
34763		Nöggerath B	.469	.731	.496	43.4	47.0	2.66	4.62	1	C	0
34763A			.466	.730	.500	43.0	46.9	15.26	26.52	4	C	0
34764		Nöggerath A	.461	.742	.487	43.4	47.9	3.91	6.80	1	C	0
34764A			.465	.741	.484	43.8	47.8	2.96	5.14	3	C	0
34764B			.467	.740	.484	44.0	47.7	3.95	6.87	3	C	0
34766			.462	.761	.455	45.4	49.6	2.28	3.96	3	C	0
34768		Phocylides KA	.464	.788	.405	48.9	52.0	5.21	9.06	2	pM	0
34768A		Phocylides KB	.466	.785	.408	48.8	51.7	7.42	12.90	2	pM	0
34769	2284	Phocylides K	.462	.790	.403	48.9	52.2	10.47	18.20	2	pM	0
34770		Mee K	.474	.700	.534	41.6	44.4	5.14	8.93	3	C	0
34770A			.479	.701	.528	42.2	44.5	2.42	4.21	2	C	0
34771		Mee V	.473	.713	.518	42.4	45.5	4.06	7.06	1	C	0
34771A		Nöggerath C	.477	.717	.508	43.2	45.8	7.57	13.16	3f	C	0
34771B		Mee N	.473	.710	.522	42.2	45.2	3.15	5.48	2	C	0
34774			.472	.747	.468	45.2	48.3	3.16	5.49	4	C	0
34775	2275	Nöggerath	.472	.752	.460	45.7	48.8	17.72	30.80	2f	C	0
34775A			.477	.751	.457	46.3	48.7	37.83	65.75	4f	C	0
34777			.475	.779	.409	49.2	51.2	3.36	5.84	3	pM	0
34777A			.476	.779	.408	49.4	51.2	3.26	5.67	2	pM	0
34779			.478	.799	.365	52.6	53.0	3.46	6.01	1	pM	0
34780		Mee Z	.481	.703	.524	42.6	44.7	7.01	12.18	4	C	0
34780A			.487	.708	.511	43.6	45.1	2.76	4.80	3	C	0
34781		Nöggerath E	.488	.710	.508	43.9	45.2	2.98	5.18	2	C	0
34784	2281A	Nöggerath F	.488	.744	.456	46.9	48.1	5.20	9.04	1	C	0
34786	2281	Nöggerath H	.481	.761	.435	47.9	49.6	15.02	26.11	4f	C	0
34787	2277A	Phocylides G	.485	.779	.397	50.7	51.2	7.82	13.59	2	pMC	0
34788			.482	.786	.387	51.2	51.8	2.82	4.90	3	pM	0
34792			.490	.723	.487	45.2	46.3	2.37	4.12	2	C	0
34794	2282	Nöggerath J	.492	.749	.444	48.0	48.5	9.68	16.83	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
34796		Phocylides Z	-.497	-.766	+.408	-50.6	-50.0	4.84	8.41	1	C	0
34796A			.494	.767	.409	50.3	50.1	3.78	6.57	3	C	0
34797		Phocylides X	.491	.771	.406	50.4	50.4	4.28	7.44	1	C	0
34797A			.499	.770	.398	51.5	50.4	2.47	4.29	2	C	0
34798			.495	.781	.381	52.4	51.4	3.18	5.53	2	C	0
34799			.492	.793	.359	53.9	52.5	3.75	6.52	1	C	0
34799A			.492	.795	.355	54.2	52.7	2.96	5.14	2	C	0
34799B			.494	.794	.354	54.4	52.6	36.44	63.34	5	C	?
34800		Schiller P	.409	.803	.433	43.3	53.4	3.94	6.85	1	pM	0
34800A			.402	.805	.436	42.7	53.6	2.08	3.62	2	pMC	0
34804			.404	.846	.348	49.3	57.8	2.67	4.64	1	C	0
34807	2643	Zuchius D	.409	.878	.249	58.7	61.4	17.21	29.91	3	C	0
34809			.408	.899	.159	68.7	64.0	2.31	4.02	2	C	0
34812			.411	.829	.379	47.3	56.0	4.64	8.07	3	pM	0
34812A			.412	.825	.387	46.8	55.6	2.77	4.81	2	pM	0
34812B			.413	.829	.377	47.6	56.0	5.93	10.31	3	pM	0
34812C			.415	.822	.390	46.8	55.3	4.15	7.21	1	pM	0
34812D			.418	.823	.385	47.4	55.4	6.12	10.64	2	pM	0
34813			.415	.832	.368	48.4	56.3	3.06	5.32	2	pM	0
34813A			.416	.839	.351	49.9	57.0	2.57	4.47	2	C	0
34815			.411	.851	.327	51.5	58.3	2.48	4.31	2	C	0
34815A			.417	.856	.306	53.8	58.9	6.56	11.40	3	C	0
34815B			.417	.857	.303	54.0	59.0	3.36	5.84	2	C	0
34816		Zuchius F	.415	.868	.273	56.7	60.2	4.75	8.26	1	C	0
34816A			.418	.860	.293	55.0	59.3	47.15	81.95	5	C	0
34817	2644	Zuchius E	.418	.877	.237	60.5	61.3	11.88	20.65	2	C	0
34817A		Zuchius G	.414	.871	.265	57.4	60.6	14.07	24.46	3	C	0
34817B		Zuchius H	.419	.875	.243	59.9	61.0	7.85	13.64	2	C	0
34817C			.412	.870	.271	56.7	60.5	2.58	4.48	2	C	0
34819			.411	.896	.168	67.8	63.6	2.83	4.92	2	C	0
34819A			.416	.890	.187	65.8	62.9	7.13	12.39	3	C	0
34820			.429	.801	.418	45.8	53.2	2.96	5.14	3	pM	0
34822	2600	Schiller C	.429	.822	.375	48.9	55.3	28.07	48.79	4f	aM	0
34822A			.422	.824	.378	48.1	55.5	3.06	5.32	2	pM	0
34822B			.423	.826	.373	48.6	55.7	4.64	8.07	2	pM	0
34822C			.424	.827	.369	49.0	55.8	7.61	13.23	3	pM	0
34822D			.425	.829	.364	49.5	56.0	3.91	6.80	3	pM	0
34822E			.424	.823	.378	48.3	55.4	2.28	3.96	3	pM	0
34823			.422	.830	.365	49.2	56.1	3.62	6.29	3	pM	0
34824			.420	.849	.321	52.6	58.1	3.36	5.84	2	C	0
34825			.422	.855	.301	54.5	58.8	2.97	5.16	3	C	0
34825A			.421	.857	.297	54.8	59.0	5.14	8.93	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
34825B			-.421	-.859	+.291	-55.3	-59.2	2.18	3.79	2	C	0
34827			.429	.876	.220	62.8	61.2	2.69	4.68	2	C	0
34828	2653	Bailly E	.421	.887	.190	65.7	62.5	7.74	13.45	2	C	0
34828A			.421	.883	.208	63.8	62.0	8.11	14.10	2	C	0
34828B			.423	.880	.216	62.9	61.6	3.09	5.37	2	C	0
34831		Schiller D	.434	.819	.375	49.1	55.0	4.64	8.07	2	pM	0
34831A		Schiller E	.435	.814	.385	48.5	54.5	4.15	7.21	1	pM	0
34831B			.439	.818	.372	49.7	54.9	2.48	4.31	2	pM	0
34832			.430	.820	.378	48.7	55.1	3.05	5.30	2	pM	0
34832A			.435	.829	.351	51.1	56.0	2.77	4.81	2	C	0
34835			.438	.856	.275	57.9	58.9	4.12	7.16	2	C	0
34836			.430	.867	.252	59.6	60.1	2.78	4.83	2	C	0
34836A			.433	.860	.270	58.1	59.3	6.23	10.83	3	C	0
34838			.432	.885	.174	68.1	62.3	4.20	7.30	2	C	0
34838A			.435	.880	.191	66.3	61.6	4.82	8.38	2	C	0
34838B			.438	.882	.174	68.3	61.9	2.62	4.55	2	C	0
34838C			.438	.884	.163	69.5	62.1	28.10	48.84	4	C	0
34839			.435	.899	.051	83.3	64.0	5.25	9.13	3	C	0
34839A			.437	.891	.123	74.3	63.0	2.62	4.55	2	C	0
34839B			.439	.890	.123	74.3	62.9	2.62	4.55	2	C	0
34840			.446	.809	.383	49.4	54.0	2.86	4.97	2	pM	0
34841		Phocylides AB	.447	.819	.360	51.2	55.0	5.24	9.11	1	C	0
34841A			.449	.813	.371	50.5	54.4	4.54	7.89	2	pM	0
34841B			.443	.817	.369	50.2	54.8	2.96	5.14	2	pM	0
34841C			.444	.818	.366	50.5	54.9	2.96	5.14	2	pM	0
34841D			.446	.816	.368	50.5	54.7	2.08	3.62	2	pM	0
34843			.440	.832	.338	52.5	56.3	2.08	3.62	2	C	0
34843A			.442	.833	.333	53.0	56.4	3.95	6.87	3	C	0
34843B			.445	.832	.331	53.3	56.3	3.36	5.84	2	C	0
34844	2635	Segner B	.442	.846	.298	56.0	57.8	20.10	34.94	3f	C	0
34844A		Segner E	.449	.844	.293	56.8	57.6	4.88	8.48	2	C	0
34845			.444	.855	.268	58.9	58.8	4.08	7.09	3	C	0
34846	2652D	Bailly P	.441	.863	.246	60.8	59.7	8.54	14.84	2	C	0
34846A			.448	.860	.244	61.4	59.3	6.16	10.71	3	C	0
34847	2652C	Bailly N	.441	.871	.217	63.9	60.6	6.54	11.37	1	C	0
34847A		Bailly Y	.441	.877	.191	66.6	61.3	7.09	12.32	1	C	0
34847B		Bailly M	.445	.878	.176	68.4	61.4	13.30	23.12	4	C	0
34847C			.447	.873	.195	66.4	60.8	5.82	10.12	2	C	0
34848			.442	.889	.120	74.9	62.7	2.62	4.55	2	C	0
34849		Hausen K	.447	.890	.090	78.6	62.9	6.82	11.85	2	C	0
34850			.457	.809	.370	51.0	54.0	5.93	10.31	2	pM	0
34851	2273	Phocylides A	.454	.815	.360	51.6	54.6	10.73	18.65	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
34851A			.452	.812	.369	50.8	54.3	5.93	10.31	3	pM	0
34852			.452	.821	.349	52.3	55.2	2.28	3.96	2	C	0
34853		Segner K	.452	.830	.327	54.1	56.1	3.95	6.87	2	C	0
34853A		Segner G	.455	.833	.315	55.3	56.4	6.92	12.03	3	C	0
34853B			.452	.838	.306	55.9	56.9	3.95	6.87	3	C	0
34854			.458	.848	.267	59.8	58.0	31.44	54.65	4f	C	0
34854A			.453	.842	.293	57.1	57.4	2.97	5.16	2	C	0
34854B			.455	.841	.293	57.2	57.2	3.98	6.92	2	C	0
34854C			.455	.847	.275	58.9	57.9	2.31	4.02	2	C	0
34855			.453	.856	.249	61.2	58.9	8.01	13.92	3	C	0
34856		Bailly Z	.453	.869	.199	66.3	60.3	6.81	11.84	2	C	0
34856A			.459	.862	.215	64.9	59.5	19.60	34.07	4	C	0
34857			.451	.871	.195	66.6	60.6	3.25	5.65	2	C	0
34857A			.454	.873	.178	68.6	60.8	2.83	4.92	2	C	0
34858			.458	.883	.103	77.4	62.0	4.09	7.11	3	C	0
34860		Phocylides B	.463	.807	.367	51.6	53.8	4.35	7.56	1	pM	0
34860A		Phocylides D	.469	.801	.372	51.6	53.2	4.15	7.21	1	pM	0
34860B			.460	.807	.370	51.2	53.8	2.96	5.14	2	pM	0
34862			.463	.829	.314	55.9	56.0	4.64	8.07	2	C	0
34863			.463	.837	.292	57.8	56.8	30.55	53.10	4	C	0
34866			.468	.869	.161	71.1	60.3	16.78	29.17	3	C	0
34867		Hausen L	.463	.874	.147	72.3	60.9	11.50	19.99	2	C	0
34868			.463	.882	.088	79.3	61.9	3.04	5.28	2	C	0
34868A			.468	.880	.081	80.2	61.6	5.04	8.76	3	C	0
34871			.472	.816	.334	54.7	54.7	4.74	8.24	2	C	0
34871A			.474	.813	.338	54.5	54.4	4.25	7.39	2	C	0
34872	2278	Phocylides E	.479	.824	.303	57.7	55.5	18.16	31.56	4	C	0
34873			.478	.830	.287	59.0	56.1	2.57	4.47	3	C	0
34873A			.473	.837	.275	59.8	56.8	2.18	3.79	2	C	0
34873B			.477	.838	.265	60.9	56.9	4.26	7.40	3	C	0
34874			.470	.841	.268	60.3	57.2	4.50	7.82	3	C	0
34874A			.474	.840	.264	60.9	57.1	4.06	7.06	3	C	0
34875		Pingré J	.479	.859	.181	69.3	59.2	10.27	17.85	2	C	0
34875A			.473	.850	.232	63.9	58.2	8.38	14.57	2	C	0
34875B			.474	.852	.222	64.9	58.4	3.04	5.28	2	C	0
34876	(2265)	Pingré F	.474	.866	.159	71.4	60.0	9.34	16.23	2	C	0
34877			.473	.872	.126	75.1	60.7	3.15	5.48	2	C	0
34877A			.474	.873	.115	76.4	60.8	5.46	9.49	2	C	0
34881	2279	Phocylides F	.484	.818	.311	57.3	54.9	14.52	25.24	2	C	?
34882	2286A	Phocylides S	.484	.828	.283	59.7	55.9	5.54	9.63	1	C	0
34882A			.488	.826	.282	60.0	55.7	4.96	8.62	2	C	0
34883		Phocylides V	.481	.835	.267	60.9	56.6	4.46	7.75	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
34883A		Phocylides L	-.485	-.838	+.250	-62.7	-56.9	5.43	9.44	1	C	0
34883B			.488	.830	.270	61.0	56.1	2.97	5.16	3	C	0
34884	(2261)	Pingré B	.487	.844	.225	65.2	57.6	10.13	17.61	2	C	0
34884A			.483	.846	.226	64.9	57.8	3.36	5.84	3	C	0
34885			.486	.853	.190	68.6	58.5	8.70	15.12	3	C	0
34885A			.485	.859	.164	71.3	59.2	17.82	30.97	3	C	0
34892	2285	Phocylides M	.493	.824	.279	60.5	55.5	5.19	9.02	2	C	0
34893			.492	.837	.240	64.0	56.8	6.32	10.99	3	C	0
34893A			.495	.833	.247	63.5	56.4	2.16	3.75	2	C	0
34894	(2266)	Pingré G	.496	.848	.187	69.4	58.0	6.47	11.25	2	C	0
34895	(2260)	Pingré A	.499	.854	.147	73.6	58.6	49.13	85.40	2	C	0
34895A			.491	.853	.177	70.2	58.5	6.22	10.81	2	C	0
34895B			.492	.857	.153	72.7	59.0	3.67	6.38	2	C	0
34895C			.498	.855	.145	73.8	58.8	2.94	5.11	2	C	0
34895D	(2262)	Pingré C	.490	.850	.193	68.5	58.2	6.81	11.84	3	C	0
34896	(2259)	Pingré S	.491	.869	.061	82.9	60.3	35.66	61.98	3	C	P
34910	2652E	Bailly R	.419	.905	.074	80.0	64.8	8.76	15.23	2	C	0
34910A			.416	.902	.115	74.5	64.4	10.48	18.22	4	C	0
34910B			.414	.908	.064	81.2	65.2	4.16	7.23	3	C	0
35003	2485	Lansberg E	.504	.032	.863	30.3	1.8	3.18	5.53	1	pM	0
35005	2483	Lansberg D	.508	.052	.860	30.6	3.0	6.53	11.35	1	pM	0
35013	2486	Lansberg F	.510	.038	.859	30.7	2.2	5.10	8.86	2f	M	0
35016		Lansberg DA	.517	.064	.854	31.2	3.7	1.94	3.37	1	pM	0
35030	1536	Kunowsky C	.535	.004	.845	32.3	0.2	1.84	3.20	1	pM	0
35033		Lansberg FA	.534	.032	.845	32.3	1.8	2.14	3.72	1	pM	0
35042		Lansberg FB	.542	.023	.840	32.8	1.3	1.68	2.92	1	pM	0
35052		Lansberg FC	.559	.022	.829	34.0	1.3	2.16	3.75	1	pM	0
35089		Wichmann D	.585	.094	.806	36.0	5.4	1.87	3.25	1	pM	0
35116			.510	.164	.844	31.1	9.4	27.06	47.03	5f	aM	0
35123			.523	.131	.842	31.8	7.5	13.48	23.43	5f	aM	0
35132			.535	.122	.836	32.6	7.0	4.15	7.21	4f	aM	0
35134			.532	.140	.835	32.5	8.0	6.88 8.35	11.96 14.51	4f	aM	0
35139			.535	.197	.822	33.1	11.4	9.26	16.10	5f	aM	0
35144			.549	.148	.823	33.7	8.5	5.71	9.92	4f	aM	0
35151	2464B	Euclides F	.551	.110	.827	33.7	6.3	3.00	5.21	1	pM	0
35158			.555	.180	.812	34.3	10.4	2.32	4.03	2	pM	0
35176			.570	.166	.805	35.3	9.6	38.57	67.04	5f	aM	0
35192		Wichmann A	.595	.128	.793	36.9	7.4	2.47	4.29	1	pM	0
35216		Herigonius G	.517	.262	.815	32.4	15.2	1.91	3.32	1	pM	0
35229		Herigonius H	.523	.293	.800	33.2	17.0	2.27	3.95	1	pM	0
35239			.534	.297	.792	34.0	17.3	7.69	13.37	5f	aMC	0
35243	2425	Herigonius	.543	.231	.807	33.9	13.4	8.89	15.45	1	pM	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
35246			-.549	-.267	+.792	-34.7	-15.5	5.90	10.26	5	C	0
35248			.545	.289	.787	34.7	16.8	6.98	12.13	5f	aM	0
35255			.555	.257	.791	35.0	14.9	5.48	9.53	4	C	0
35256		Herigonius F	.552	.267	.790	34.9	15.5	3.00	5.21	1	C	0
35256A			.559	.261	.787	35.4	15.1	10.35	17.99	5	C	0
35257			.557	.275	.784	35.4	16.0	4.43	7.70	5	aMC	0
35263	2426	Herigonius E	.565	.238	.790	35.6	13.8	3.82	6.64	1	pM	0
35264			.563	.248	.788	35.5	14.4	18.69	32.49	5f	aMC	0
35272		Herigonius K	.578	.222	.785	36.4	12.8	1.87	3.25	2	pM	0
35285			.580	.259	.772	36.9	15.0	17.52 22.01	30.45 38.26	4f	aMC	0
35287			.588	.271	.762	37.7	15.7	7.46	12.97	4f	aMC	0
35302			.506	.328	.798	32.4	19.1	7.83	13.61	4f	aMC	0
35303			.501	.331	.800	32.1	19.3	3.61	6.27	4	aMC	0
35306			.507	.364	.781	33.0	21.3	2.65	4.61	2	C	0
35306A		Agatharchides J	.500	.368	.784	32.5	21.6	6.65	11.56	3f	aMC	0
35307	2493	Agatharchides C	.503	.374	.779	32.8	22.0	6.17	10.72	2	pMC	0
35313			.513	.337	.789	33.0	19.7	8.84	15.37	5f	aMC	0
35314			.513	.345	.786	33.1	20.2	9.17	15.94	5f	aMC	0
35315	2495	Agatharchides E	.510	.353	.784	33.0	20.7	8.57	14.90	3f	aMC	0
35321			.524	.310	.793	33.4	18.1	15.77	27.41	5f	aMC	0
35322			.525	.323	.787	33.7	18.8	12.33	21.43	5f	aMC	0
35324	2496	Agatharchides H	.522	.348	.779	33.8	20.4	8.53	14.83	4f	aMC	0
35326		Gassendi OA	.527	.362	.769	34.4	21.2	2.45	4.26	1	pM	0
35337	2419A	Gassendi O	.532	.373	.760	35.0	21.9	6.03	10.48	1	pM	0
35340			.540	.303	.785	34.5	17.6	2.37	4.12	1	C	0
35340A			.545	.302	.782	34.9	17.6	11.04 12.95	19.19 22.51	4f	aMC	0
35342	2423B	Gassendi T	.547	.326	.771	35.4	19.0	5.22	9.07	3f	aMC	0
35351		Gassendi TA	.554	.310	.773	35.6	18.1	2.03	3.53	1	pM	0
35356	2419	Gassendi J	.560	.368	.742	37.0	21.6	5.19	9.02	1	pM	0
35367	2423A	Gassendi R	.568	.373	.734	37.7	21.9	1.96	3.41	1	pM	0
35368		Gassendi JA	.563	.386	.731	37.6	22.7	1.67	2.90	1	pM	0
35372			.574	.327	.751	37.4	19.1	2.86	4.97	2	pM	0
35379	2385	Puiseux F	.575	.397	.715	38.8	23.4	2.25	3.91	1	pM	0
35380			.583	.302	.754	37.7	17.6	3.65	6.34	3	C	0
35385	2424	Gassendi Y	.580	.356	.733	38.4	20.9	2.68	4.66	1	pM	0
35391	2421	Gassendi M	.597	.319	.736	39.0	18.6	1.77	3.08	1	pM	0
35408	2358	Vitello E	.510	.487	.709	35.7	29.1	4.17	7.25	1	pM	0
35415		Pr. Kelvin F	.520	.450	.726	35.6	26.7	2.36	4.10	1	pM	0
35433	2383	Puiseux D	.531	.434	.728	36.1	25.7	4.07	7.07	1	pM	0
35435		Puiseux H	.534	.460	.709	37.0	27.4	1.96	3.41	1	pM	0
35437		Puiseux G	.540	.473	.696	37.8	28.2	1.77	3.08	1	pM	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
35451		Puiseux C	-.557	-.418	+.718	-37.8	-24.7	1.74	3.02	1	pM	0
35456	2382	Puiseux	.557	.466	.687	39.0	27.8	14.23	24.73	4f	aM	0
35459	2375A	Lee M	.552	.495	.671	39.4	29.7	42.90 48.74	74.57 84.72	4f	aMC	0
35463		Puiseux B	.565	.433	.702	38.8	25.7	2.01	3.49	1	pM	0
35474		Puiseux A	.571	.446	.689	39.6	26.5	1.79	3.11	1	pM	0
35487	2376	Doppelmayer	.581	.477	.659	41.4	28.5	36.73	63.84	4	aMC	P
35490	2380B	Doppelmayer K	.595	.406	.694	40.6	24.0	3.02	5.25	1	pM	0
35490A	2380C	Doppelmayer L	.595	.400	.697	40.5	23.6	2.56	4.45	1	pM	0
35491	2380A	Doppelmayer J	.598	.414	.686	41.1	24.5	3.22	5.60	1	pM	0
35498		Doppelmayer P	.593	.486	.642	42.7	29.1	5.72	9.94	4	C	0
35498A		Doppelmayer R	.597	.488	.637	43.2	29.2	2.32	4.03	1	pMC	0
35499		Doppelmayer A	.592	.497	.634	43.0	29.8	5.70	9.91	4f	aMC	0
35500			.508	.500	.701	35.9	30.0	2.29	3.98	2	C	0
35501			.502	.517	.693	35.9	31.1	6.71	11.66	4	C	0
35502		Vitello J	.506	.525	.684	36.5	31.7	3.74	6.50	3	C	0
35502A			.508	.522	.685	36.6	31.5	4.23	7.35	3	C	0
35502B			.504	.520	.690	36.2	31.3	2.35	4.08	2	C	0
35504		Vitello R	.505	.544	.670	37.0	33.0	1.96	3.41	1	pMC	0
35505			.508	.551	.662	37.5	33.4	8.96	15.57	4f	aMC	0
35509			.502	.599	.624	38.8	36.8	2.64	4.59	3	C	0
35509A			.502	.596	.627	38.7	36.6	3.14	5.46	3	C	0
35509B			.500	.598	.626	38.6	36.7	2.74	4.76	3	C	0
35510			.517	.500	.695	36.7	30.0	18.95	32.94	4	aMC	0
35512	2360A	Vitello K	.518	.527	.674	37.6	31.8	7.53	13.09	2	C	0
35512A			.510	.520	.685	36.7	31.3	3.10	5.39	3	C	0
35513		Vitello G	.516	.533	.671	37.6	32.2	5.96	10.36	2	C	0
35514			.516	.546	.660	38.0	33.1	6.82	11.85	5	aMC	0
35514A			.517	.542	.663	38.0	32.8	7.55	13.12	5	aMC	0
35515			.519	.550	.654	38.4	33.4	2.46	4.28	3	C	0
35517	2346	Clausius C	.512	.580	.634	38.9	35.5	8.53	14.83	2	C	0
35517A			.517	.573	.636	39.1	35.0	3.00	5.21	3	pMC	0
35517B			.519	.571	.636	39.2	34.8	2.66	4.62	3	pMC	0
35519			.511	.599	.617	39.7	36.8	7.17 9.71	12.46 16.88	4	C	0
35520	2353	Vitello	.525	.506	.684	37.5	30.4	25.68	44.64	2	C	P
35523			.524	.539	.659	38.5	32.6	7.29	12.67	5	aMC	0
35523A			.520	.531	.669	37.9	32.1	3.65	6.34	4	C	0
35526			.521	.563	.642	39.1	34.3	4.08	7.09	4f	aMC	0
35526A			.520	.568	.638	39.2	34.6	3.39	5.89	2	pM	0
35527			.523	.577	.627	39.8	35.2	3.99	6.94	3	aMC	p?
35528	2345	Clausius B	.522	.588	.618	40.2	36.0	13.16	22.87	3f	MC	0
35528A		Clausius BA	.523	.584	.621	40.1	35.7	9.87	17.16	2f	pMC	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
35528B			-.529	-.582	+.618	-40.6	-35.6	3.45	6.00	4	aMC	0
35531	2361A	Vitello P	.531	.519	.670	38.4	31.3	5.04	8.76	2	C	0
35531A		Lee H	.538	.513	.669	38.8	30.9	2.46	4.28	2	C	0
35532			.539	.524	.659	39.3	31.6	8.85	15.38	4	C	0
35534			.537	.548	.641	39.9	33.2	13.03	22.65	5f	aMC	0
35535		Vitello T	.531	.556	.639	39.7	33.8	5.01	8.71	2	C	0
35536			.538	.560	.630	40.5	34.1	4.90 8.97	8.52 15.59	5	aMC	0
35536A			.532	.560	.635	40.0	34.1	2.15	3.74	1	C	0
35542			.545	.523	.655	39.7	31.5	4.22	7.33	5	C	0
35544	2357	Vitello D	.549	.547	.632	41.0	33.2	10.07	17.50	2	C	0
35546			.546	.562	.621	41.3	34.2	11.77	20.46	5f	aMC	0
35547			.549	.570	.611	41.9	34.8	2.16	3.75	2	C	0
35553		Vitello X	.551	.533	.642	40.6	32.2	4.78	8.31	2	C	0
35556	2354	Vitello A	.553	.562	.615	42.0	34.2	12.31	21.40	2f	pMC	0
35557			.552	.579	.600	42.6	35.4	4.05	7.04	3	pM	0
35557A			.554	.577	.600	42.7	35.2	2.96	5.14	2	pM	0
35559		Clausius A	.559	.592	.581	43.9	36.3	4.15	7.21	2	pM	0
35559A			.556	.591	.584	43.6	36.2	2.07	3.60	1	pM	0
35561	2371	Lee	.560	.510	.653	40.6	30.7	23.97	41.66	4f	aMC	0
35561A			.568	.515	.642	41.5	31.0	2.46	4.28	2	C	0
35562		Lee A	.562	.523	.641	41.3	31.5	10.58	18.39	4	C	0
35564			.566	.541	.622	42.3	32.8	4.33	7.53	3	C	0
35564A			.560	.544	.625	41.9	33.0	2.60	4.52	2	C	0
35564B			.563	.542	.624	42.1	32.8	4.32 6.59	7.51 11.45	4	C	0
35565			.564	.559	.608	42.9	34.0	2.41	4.19	3	pM	0
35569			.565	.590	.577	44.4	36.2	2.81	4.88	2	pM	0
35569A			.569	.596	.567	45.1	36.6	7.90	13.73	4f	aMC	0
35570		Lee T	.579	.501	.643	42.0	30.1	2.15	3.74	2	pM	0
35572			.573	.522	.632	42.2	31.5	8.39 7.74	14.58 13.45	5	C	0
35573	2356	Vitello C	.571	.537	.621	42.6	32.5	8.31	14.44	2	C	0
35574	2360	Vitello H	.574	.542	.614	43.1	32.8	6.96	12.10	2	C	0
35574A			.571	.548	.611	43.0	33.2	2.85	4.95	2	pMC	0
35575			.572	.556	.603	43.5	33.8	4.57	7.94	4f	aMC	0
35577			.577	.579	.576	45.0	35.4	2.07	3.60	1	pM	0
35577A			.578	.575	.579	44.9	35.1	8.39	14.58	5f	aM	0
35578			.573	.586	.573	45.0	35.9	7.16	12.45	4	aM	0
35578A			.576	.589	.567	45.5	36.1	2.07	3.60	1	pM	0
35579		Clausius E	.574	.594	.564	45.5	36.4	3.67	6.38	2	C	0
35581		Lee S	.584	.512	.630	42.8	30.8	4.03	7.00	1	pMC	0
35583			.589	.533	.607	44.1	32.2	3.75 6.15	6.52 10.69	4	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
35583A			-.585	-.533	+.611	-43.7	-32.2	3.95	6.87	5	C	0
35584			.580	.549	.602	43.9	33.3	2.32	4.03	2	pM	0
35584A			.585	.541	.604	44.1	32.8	16.68 23.04	28.99 40.05	5	aMC	0
35585			.586	.551	.594	44.6	33.4	2.37	4.12	1	pM	0
35589			.587	.590	.554	46.6	36.2	2.47	4.29	3	C	0
35591			.593	.515	.619	43.8	31.0	8.39	14.58	5f	aMC	0
35591A			.598	.511	.617	44.1	30.7	3.95	6.87	5	aMC	0
35592			.596	.520	.612	44.2	31.3	9.79	17.02	5f	aMC	0
35592A			.594	.527	.608	44.3	31.8	2.27	3.95	2	C	0
35594			.598	.544	.589	45.5	33.0	16.97	29.50	5f	aMC	0
35595		Doppelmayer W	.596	.553	.582	45.7	33.6	4.32	7.51	1	pM	0
35597			.594	.579	.559	46.8	35.4	5.04	8.76	2	C	0
35597A			.592	.579	.561	46.6	35.4	2.07	3.60	3	C	0
35598			.598	.585	.548	47.5	35.8	3.26	5.67	2	C	0
35598A			.594	.589	.548	47.3	36.1	4.94	8.59	3	C	0
35599			.593	.590	.548	47.3	36.2	2.27	3.95	2	C	0
35601		Clausius H	.503	.613	.609	39.5	37.8	4.15	7.21	2	C	0
35601A			.505	.611	.610	39.6	37.7	2.61	4.54	3	C	0
35606			.501	.668	.550	42.3	41.9	7.55 8.16	13.12 14.18	4	C	0
35609			.508	.692	.513	44.7	43.8	6.23 4.78	10.83 8.31	4	C	0
35610			.516	.606	.605	40.4	37.3	18.94 19.95	32.92 34.68	5f	aMC	0
35611			.519	.617	.592	41.3	38.1	2.96	5.14	3	C	0
35613			.511	.636	.578	41.5	39.5	13.49 21.21	23.45 36.87	4	C	0
35614	2337	Drebbel C	.518	.649	.557	42.9	40.5	17.15	29.81	2f	C	0
35616			.510	.663	.548	42.9	41.5	13.64	23.71	5	C	0
35617	2340	Drebbel F	.516	.679	.522	44.7	42.8	8.49	14.76	2f	pMC	0
35617A			.516	.676	.526	44.4	42.5	3.46	6.01	2	C	0
35618			.511	.680	.526	44.2	42.8	2.27	3.95	3	C	0
35618A			.512	.681	.524	44.4	42.9	2.32	4.03	3	C	0
35619	2341	Drebbel G	.512	.693	.508	45.3	43.9	9.78	17.00	2f	C	0
35620		Clausius G	.523	.603	.602	41.0	37.1	3.65	6.34	2	pMC	0
35621			.524	.619	.585	41.9	38.2	3.36	5.84	3	pM	0
35621A			.520	.614	.594	41.2	37.9	7.01 8.87	12.18 15.42	5	aMC	0
35622			.526	.620	.582	42.1	38.3	18.44	32.05	5f	aMC	0
35623			.523	.636	.567	42.7	39.5	3.55	6.17	4	C	0
35625			.521	.657	.545	43.7	41.1	9.42 11.24	16.37 19.54	5	C	0
35627			.529	.674	.516	45.7	42.4	3.75	6.52	4	C	0
35629		Nöggerath M	.522	.695	.494	46.6	44.0	6.52	11.33	1	C	0
35629A		Nöggerath N	.527	.698	.485	47.4	44.3	5.73	9.96	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
35629B			-.526	-.697	+.487	-47.2	-44.2	2.86	4.97	2	C	0
35631			.534	.612	.583	42.5	37.7	2.07	3.60	2	pM	0
35634			.539	.648	.538	45.0	40.4	4.25	7.39	3	C	0
35635			.538	.658	.527	45.6	41.1	2.66	4.62	1	C	0
35635A			.536	.658	.529	45.4	41.1	2.76	4.80	3	C	0
35635B			.533	.654	.537	44.8	40.8	3.65	6.34	3	C	0
35635C			.538	.650	.537	45.1	40.5	3.65	6.34	1	C	0
35635D			.535	.656	.532	45.1	41.0	3.26	5.67	4	C	0
35636	2342	Drebbel H	.531	.665	.525	45.3	41.7	5.44	9.46	1	C	0
35636A			.539	.660	.523	45.8	41.3	3.16	5.49	1	C	0
35636B			.530	.663	.529	45.1	41.5	4.45	7.73	3	C	0
35636C			.532	.668	.520	45.6	41.9	5.83	10.13	2	C	0
35640		Clausius J	.540	.604	.586	42.7	37.2	2.32	4.03	1	pM	0
35642			.548	.628	.553	44.8	38.9	8.89	15.45	3f	C	0
35642A			.545	.626	.558	44.3	38.8	6.32	10.99	3f	C	0
35642B			.546	.623	.560	44.3	38.5	2.47	4.29	2	C	0
35642C			.545	.629	.554	44.5	39.0	2.17	3.77	1	C	0
35643			.542	.639	.546	44.8	39.7	12.15	21.12	5	C	0
35643A			.541	.635	.551	44.5	39.4	3.85	6.69	4	C	0
35644			.549	.647	.529	46.1	40.3	3.36	5.84	3	C	0
35644A			.548	.645	.533	45.8	40.2	4.54	7.89	4	C	0
35645			.548	.654	.522	46.4	40.8	7.85 9.25	13.64 16.08	5	C	0
35648	2306B	Schickard P	.547	.681	.487	48.3	42.9	53.04	92.19	5	C	0
35648A			.549	.683	.482	48.7	43.1	4.64	8.07	2	C	0
35650	2343	Clausius	.554	.601	.576	43.9	36.9	12.84	22.32	2f	pM	0
35651	2347A	Clausius D	.552	.619	.559	44.7	38.2	10.37	18.02	3f	C	0
35651A			.559	.612	.559	45.0	37.7	10.79	18.75	5f	C	0
35652			.554	.628	.547	45.4	38.9	2.96	5.14	2	C	0
35652A			.558	.625	.546	45.6	38.7	2.17	3.77	3	C	0
35653			.551	.630	.547	45.2	39.1	6.81 4.94	11.84 8.59	4	C	0
35654			.552	.642	.532	46.1	39.9	2.08	3.62	2	C	0
35654A			.554	.641	.531	46.2	39.9	2.56	4.45	3	C	0
35654B			.553	.649	.522	46.6	40.5	4.74	8.24	2	C	0
35654C			.554	.647	.524	46.6	40.3	3.46	6.01	1	C	0
35655			.551	.657	.515	47.0	41.1	2.27	3.95	2	C	0
35655A			.557	.651	.516	47.2	40.6	4.45	7.73	4	C	0
35656			.553	.660	.509	47.4	41.3	3.46	6.01	2	C	0
35656A			.555	.660	.506	47.6	41.3	2.66	4.62	1	C	0
35656B			.554	.664	.502	47.8	41.6	11.16	19.40	3	C	0
35657			.559	.670	.488	48.9	42.1	2.66	4.62	3	C	0
35659			.554	.691	.464	50.0	43.7	2.56	4.45	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
35659A			-.552	-.698	+.456	-50.4	-44.3	3.65	6.34	3	C	0
35661			.565	.613	.552	45.7	37.8	3.06	5.32	3	C	0
35664			.563	.646	.515	47.5	40.2	2.66	4.62	2	C	0
35666			.562	.667	.489	49.0	41.8	2.28	3.96	2	C	0
35666A			.565	.664	.490	49.1	41.6	4.94	8.59	3	C	0
35667			.565	.676	.473	50.1	42.5	6.17	10.72	2	C	0
35668		Schickard X	.564	.688	.457	51.0	43.5	4.45	7.73	1	C	0
35668A			.563	.687	.459	50.8	43.4	6.92	12.03	2	C	0
35668B			.564	.684	.463	50.6	43.2	2.66	4.62	2	C	0
35669	2296	Schickard B	.569	.690	.447	51.8	43.6	7.56	13.14	2f	C	0
35673			.575	.638	.512	48.3	39.6	15.90	27.64	4f	C	0
35675	2330	Drebbel	.570	.655	.496	49.0	40.9	17.38	30.21	2f	C	0
35675A			.579	.652	.490	49.8	40.7	6.72	11.68	3	C	0
35676			.574	.664	.479	50.1	41.6	2.18	3.79	2	C	0
35676A			.572	.667	.477	50.2	41.8	2.28	3.96	2	C	0
35677			.573	.672	.469	50.7	42.2	2.47	4.29	1	C	0
35677A			.578	.674	.460	51.5	42.4	3.65	6.34	3	C	0
35677B			.579	.675	.457	51.7	42.5	6.18	10.74	3	C	0
35678			.575	.688	.443	52.4	43.5	2.08	3.62	1	C	0
35679		Schickard R	.578	.696	.426	53.6	44.1	2.86	4.97	1	C	0
35679A			.575	.695	.432	53.1	44.0	2.22	3.86	1	C	0
35680			.582	.602	.547	46.8	37.0	32.37 24.20	56.26 42.06	5f	aMC	0
35680A			.587	.600	.544	47.2	36.9	2.27	3.95	3	C	0
35681	2336	Drebbel B	.582	.612	.535	47.4	37.7	9.88	17.17	2f	C	0
35683			.589	.639	.495	50.0	39.7	3.16	5.49	4	C	0
35683A			.585	.633	.507	49.1	39.3	4.74	8.24	5	C	0
35683B			.587	.636	.501	49.5	39.5	2.66	4.62	3	C	0
35683C			.587	.634	.503	49.4	39.3	5.73	9.96	4	C	0
35684	2342B	Drebbel K	.582	.643	.498	49.5	40.0	14.92	25.93	4f	C	0
35684A			.581	.644	.498	49.4	40.1	3.27	5.68	1	C	0
35685			.588	.654	.476	51.0	40.8	3.60	6.26	3	C	0
35685A			.589	.654	.475	51.1	40.8	3.46	6.01	2	C	0
35686			.585	.666	.463	51.6	41.8	2.76	4.80	2	C	0
35687		Schickard Q	.586	.678	.444	52.9	42.7	2.76	4.80	1	C	0
35687A			.584	.679	.445	52.7	42.8	4.25	7.39	4	C	0
35690			.599	.603	.527	48.7	37.1	9.19	15.97	4	C	0
35691	2338	Drebbel D	.598	.615	.514	49.3	38.0	5.92	10.29	1	C	0
35691A			.597	.612	.519	49.0	37.7	5.63	9.79	2f	C	0
35691B			.592	.610	.527	48.3	37.6	11.77 17.32	20.46 30.10	5f	aMC	0
35692			.597	.628	.499	50.1	38.9	3.36	5.84	3	C	0
35693			.590	.635	.499	49.8	39.4	7.01	12.18	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
35694	2342C	Drebbel L	-.591	-.647	+.482	-50.8	-40.3	5.14	8.93	1	C	0
35695		Drebbel N	.595	.660	.459	52.4	41.3	5.00	8.69	1	C	0
35695A			.591	.652	.475	51.2	40.7	2.66 3.55	4.62 6.17	2	C	0
35700			.500	.703	.506	44.7	44.7	4.25	7.39	3	C	0
35700A			.504	.701	.505	45.0	44.5	2.27	3.95	2	C	0
35705			.508	.758	.409	51.2	49.3	3.26	5.67	2	C	0
35706			.506	.762	.404	51.4	49.6	2.18	3.79	2	C	0
35707	2277	Phocylides C	.500	.777	.382	52.6	51.0	26.36	45.82	3f	C	0
35707A			.504	.779	.373	53.5	51.2	3.06	5.32	1	C	0
35708	2286	Phocylides N	.506	.788	.351	55.3	52.0	8.35	14.51	2	C	0
35708A			.502	.788	.356	54.6	52.0	4.45 3.57	7.73 6.21	2	C	0
35708B			.503	.785	.362	54.3	51.7	4.10	7.13	1	C	0
35709	2269	Phocylides	.507	.798	.326	57.3	52.9	65.51	113.87	3f	C	0
35709A			.504	.790	.349	55.3	52.2	3.16	5.49	1	C	0
35710		Nöggerath L	.517	.709	.480	47.1	45.2	2.66	4.62	1	C	0
35710A		Nöggerath K	.511	.706	.490	46.2	44.9	2.47	4.29	1	C	0
35710B		Nöggerath S	.515	.700	.495	46.1	44.4	3.65	6.34	2	C	0
35716		Nasmyth F	.517	.766	.382	53.5	50.0	5.93	10.31	2	C	0
35716A			.518	.766	.381	53.7	50.0	19.08 26.73	33.16 46.46	5	C	0
35717			.518	.771	.370	54.4	50.4	4.64	8.07	1	C	0
35717A			.519	.774	.363	55.1	50.7	2.08	3.62	2	C	0
35723			.523	.739	.425	50.9	47.6	4.64	8.07	3	C	0
35723A			.524	.736	.429	50.7	47.4	2.76	4.80	2	C	0
35723B			.526	.733	.431	50.6	47.1	8.06	14.01	4	C	0
35726		Nasmyth G	.523	.761	.384	53.7	49.6	4.25	7.39	2	C	0
35726A			.521	.766	.377	54.1	50.0	2.38	4.14	1	C	0
35727	2274	Nasmyth	.528	.772	.354	56.2	50.5	44.18	76.79	4f	C	0
35727A			.521	.779	.349	56.2	51.2	2.18	3.79	1	C	0
35727B			.526	.778	.344	56.8	51.1	3.06	5.32	2	C	0
35728			.525	.783	.334	57.6	51.5	2.67	4.64	1	C	0
35728A			.520	.783	.341	56.7	51.5	2.28	3.96	1	C	0
35730			.538	.700	.470	48.9	44.4	2.76	4.80	2	C	0
35731			.532	.711	.460	49.2	45.3	3.26	5.67	1	C	0
35731A			.536	.712	.454	49.8	45.4	2.76 3.80	4.80 6.60	3	C	0
35733	2299	Schickard E	.531	.734	.423	51.4	47.2	18.29	31.79	3	C	0
35734	(2300)	Schickard F	.538	.744	.396	53.6	48.1	9.58	16.65	2	C	0
35734A			.531	.740	.413	52.1	47.7	2.28	3.96	2	C	0
35734B			.531	.747	.400	53.0	48.3	3.65	6.34	4	C	0
35735	2274A	Nasmyth D	.537	.758	.370	55.4	49.3	7.71	13.40	1	C	0
35736			.538	.762	.360	56.2	49.6	2.18	3.79	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
35737			-.533	-.770	+.351	-56.7	-50.4	3.60	6.26	1	C	0
35737A			.534	.779	.329	58.4	51.2	2.18	3.79	2	C	0
35738			.539	.781	.315	59.7	51.4	4.05	7.04	3	C	0
35738A			.535	.784	.315	59.5	51.6	5.95	10.34	4	C	0
35740		Schickard T	.545	.705	.454	50.2	44.8	2.28	3.96	2	C	0
35740A			.542	.701	.464	49.5	44.5	4.54	7.89	3	C	0
35740B			.549	.700	.457	50.2	44.4	3.46	6.01	2	C	0
35741			.542	.711	.448	50.4	45.3	2.18	3.79	2	C	0
35744			.544	.746	.384	54.8	48.2	3.16	5.49	3	C	0
35745			.542	.753	.373	55.5	48.9	2.17	3.77	1	C	0
35745A			.541	.758	.364	56.0	49.3	4.15	7.21	1	C	0
35745B			.541	.756	.368	55.7	49.1	2.18	3.79	2	C	0
35745C			.547	.755	.362	56.5	49.0	3.16	5.49	2	C	0
35746		Nasmyth E	.544	.765	.345	57.6	49.9	2.67	4.64	1	C	0
35746A			.540	.761	.360	56.3	49.6	2.96	5.14	1	C	0
35747			.542	.779	.315	59.8	51.2	4.74	8.24	4	C	0
35749			.545	.796	.263	64.2	52.7	2.97	5.16	1	C	0
35752	2295	Schickard A	.550	.730	.406	53.6	46.9	7.91	13.75	2	C	0
35755		Wargentin P	.551	.751	.364	56.6	48.7	5.10	8.86	1	C	0
35755A			.553	.754	.355	57.3	48.9	2.28	3.96	2	C	0
35758			.554	.780	.291	62.3	51.3	3.17	5.51	2	C	0
35759			.554	.792	.257	65.2	52.4	3.50	6.08	1	C	0
35759A			.555	.793	.251	65.6	52.5	3.96	6.88	2	C	0
35762			.566	.729	.385	55.8	46.8	2.56	4.45	2	C	0
35763			.566	.739	.365	57.2	47.6	3.26	5.67	2	C	0
35763A			.565	.732	.381	56.0	47.1	5.30	9.21	2	C	0
35764		Wargentin L	.567	.745	.351	58.2	48.2	6.18	10.74	1	C	0
35764A		Wargentin K	.563	.747	.354	57.9	48.3	4.25	7.39	2	C	0
35764B			.567	.743	.356	57.9	48.0	2.57	4.47	2	C	0
35764C			.562	.744	.361	57.3	48.1	2.18	3.79	2	C	0
35766	2287	Wargentin	.565	.760	.321	60.4	49.5	48.58	84.44	3f	C	0
35767			.560	.775	.293	62.4	50.8	2.67	4.64	2	C	0
35767A			.565	.776	.280	63.6	50.9	5.24	9.11	2	C	0
35767B			.565	.779	.272	64.3	51.2	4.65	8.08	3	C	0
35768	2289A	Wargentin F	.569	.783	.251	66.2	51.5	11.42	19.85	2	C	?
35768A			.562	.780	.275	63.9	51.3	3.86	6.71	3	C	0
35771	2297	Schickard C	.576	.716	.394	55.6	45.7	7.68	13.35	2	C	0
35771A			.579	.719	.384	56.4	46.0	2.32	4.03	4	C	0
35772		Schickard S	.573	.726	.380	56.4	46.6	8.60	14.95	2	C	0
35772A			.578	.721	.382	56.5	46.1	2.61	4.54	4	C	0
35773		Schickard Y	.570	.735	.367	57.2	47.3	2.66	4.62	1	C	0
35773A			.570	.737	.363	57.5	47.5	2.28	3.96	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
35774		Wargentin M	-.573	-.744	+.344	-59.0	-48.1	4.25	7.39	1	C	0
35776			.575	.766	.287	63.4	50.0	3.07	5.34	1	C	0
35777	2289B	Wargentin D	.571	.778	.262	65.3	51.1	9.09	15.80	1	C	0
35777A			.575	.774	.265	65.2	50.7	2.48	4.31	3	C	0
35777B			.572	.772	.277	64.1	50.5	3.27	5.68	3	C	0
35777C			.572	.774	.272	64.6	50.7	5.34	9.28	3	C	0
35777D			.570	.776	.270	64.7	50.9	3.47	6.03	2	C	0
35778	2289	Wargentin B	.578	.781	.237	67.7	51.4	11.90	20.68	2	C	0
35778A			.574	.784	.236	67.6	51.6	10.80	18.77	4	C	?
35780	2294	Schickard	.582	.700	.414	54.6	44.4	130.45	226.74	3f	C	0
35781	2298	Schickard D	.588	.716	.376	57.4	45.7	4.88	8.48	2	C	0
35781A			.586	.716	.379	57.1	45.7	4.64	8.07	3	C	0
35781B			.586	.714	.383	56.8	45.6	2.76	4.80	3	C	0
35781C			.580	.717	.387	56.3	45.8	2.96	5.14	4	C	0
35781D			.589	.712	.382	57.0	45.4	3.06	5.32	3	C	0
35783	2288	Wargentin A	.584	.733	.349	59.2	47.1	12.11	21.05	1	C	0
35783A		Wargentin H	.587	.736	.337	60.1	47.4	5.34	9.28	1	C	0
35783B			.589	.730	.347	59.5	46.9	2.28	3.96	2	C	0
35784			.586	.740	.330	60.6	47.7	2.28	3.96	1	C	0
35787	2289C	Wargentin E	.580	.776	.248	66.9	50.9	9.09	15.80	2	C	0
35790		Schickard W	.598	.708	.376	57.9	45.1	4.15	7.21	3	C	0
35790A			.598	.706	.379	57.6	44.9	4.15	7.21	2	C	0
35793		Wargentin C	.593	.736	.327	61.2	47.4	6.71	11.66	1	C	0
35795			.599	.753	.272	65.5	48.9	4.64	8.07	3	C	0
35796		Inghirami T	.596	.764	.247	67.5	49.8	5.40	9.39	1	C	0
35797			.597	.775	.207	70.9	50.8	11.84	20.58	3	C	0
35798			.590	.784	.193	71.9	51.6	2.41	4.19	2	C	0
35798A			.595	.780	.194	72.0	51.3	2.20	3.82	2	C	0
35787B			.596	.782	.182	73.0	51.4	2.31	4.02	2	C	0
35799			.599	.795	.096	80.9	52.7	5.98	10.39	2	C	0
35799A			.599	.799	.053	85.0	53.0	3.87	6.73	2	C	0
35800			.500	.805	.319	57.4	53.6	3.92	6.81	2	C	0
35800A			.507	.809	.297	59.6	54.0	4.78	8.31	2	C	0
35801			.503	.818	.279	61.0	54.9	5.65	9.82	2	C	0
35802			.501	.820	.277	61.1	55.1	2.67	4.64	2	C	0
35802A			.504	.822	.265	62.3	55.3	26.44	45.96	5	C	0
35803			.502	.838	.214	66.9	56.9	2.14	3.72	2	C	0
33803A		Pingré U	.507	.832	.225	66.0	56.3	7.03	12.22	1	C	0
35805		Pingré X	.508	.856	.096	79.3	58.9	5.82	10.12	1	C	0
35811			.513	.810	.284	61.0	54.1	3.29	5.72	1	C	0
35812			.516	.829	.216	67.3	56.0	6.03	10.48	3	C	0
35813			.516	.830	.212	67.7	56.1	9.61	16.70	3	C	0

Ref	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
35813A			-.519	-.835	+.183	-70.6	-56.6	11.01	19.14	4	C	0
35814			.510	.847	.150	73.6	57.9	2.73	4.75	2	C	0
35815		Pingré Y	.512	.852	.109	77.9	58.4	6.73	11.70	2	C	0
35821	2283	Phocylides J	.522	.810	.267	62.9	54.1	12.83	22.30	1	C	0
35822			.529	.820	.219	67.6	55.1	4.09	7.11	3	C	0
35822A			.526	.826	.203	68.9	55.7	4.92	8.55	3	C	0
35822B			.526	.828	.194	69.7	55.9	6.07	10.55	3	C	0
35823		Pingré W	.522	.834	.179	71.1	56.5	5.14	8.93	1	C	0
35823A			.523	.839	.150	74.0	57.0	4.72	8.20	3	C	0
35824			.523	.847	.095	79.7	57.9	3.15	5.48	2	C	0
35825		Pingré N	.526	.850	.029	86.9	58.2	10.63	18.48	1	C	0
35830			.534	.803	.265	63.6	53.4	3.18	5.53	1	C	0
35831			.537	.817	.210	68.6	54.8	5.24	9.11	3	C	0
35832			.531	.820	.214	68.1	55.1	3.25	5.65	3	C	0
35832A			.533	.823	.196	69.8	55.4	4.37	7.60	2	C	0
35832B			.533	.829	.169	72.4	56.0	32.82	57.05	4	C	0
35834			.530	.840	.116	77.6	57.1	3.67	6.38	2	C	0
35834A			.538	.843	.000	90.0	57.5	8.39	14.58	2	C	?
35840			.541	.802	.253	64.9	53.3	3.16	5.49	2	C	0
35840A			.545	.802	.244	65.8	53.3	3.41	5.93	2	C	0
35840B			.541	.807	.237	66.4	53.8	2.82	4.90	2	C	0
35841			.541	.819	.191	70.5	55.0	3.15	5.48	2	C	0
35843	(2264)	Pingré E	.542	.834	.103	79.2	56.5	10.39	18.06	1	C	0
35843A	(2263)	Pingré D	.548	.834	.064	83.3	56.5	4.92	8.55	1	C	0
35843B		Pingré	.545	.838	.027	87.2	56.9	155.77	270.75	4	C	0
35850	(2258)	Pingré P	.551	.809	.205	69.6	54.0	11.01	19.14	2	C	0
35850A			.557	.804	.208	69.5	53.5	3.46	6.01	3	C	0
35851			.550	.819	.164	73.4	55.0	6.61	11.49	2	C	0
35852			.550	.822	.148	75.0	55.3	2.99	5.20	1	C	0
35852A			.551	.829	.096	80.1	56.0	4.20	7.30	2	C	0
35852B			.552	.823	.134	76.4	55.4	3.29	5.72	1	C	0
35852C		Pingré K	.558	.821	.121	77.8	55.2	9.22	16.03	2	C	0
35860			.569	.801	.186	71.9	53.2	3.15	5.48	1	C	0
35861		Pingré Z	.568	.819	.081	81.9	55.0	6.19	10.76	1	C	0
35862			.563	.821	.095	80.4	55.2	4.77	8.29	2	C	0
35870			.575	.805	.146	75.7	53.6	3.88	6.74	2	C	0
35871	(2258A)	Pingré H	.571	.814	.107	79.4	54.5	20.02	34.80	2f	C	0
35880		Pingré L	.589	.808	.015	88.6	53.9	9.76	16.96	1	C	0
35890		Pingré M	.591	.804	.066	83.7	53.5	10.70	18.60	1	C	0
36008		Wichmann C	.605	.082	.792	37.4	4.7	1.58	2.75	1	pM	0
36043			.646	.031	.763	40.3	1.8	3.62	6.29	3	M	0
36044		Flamsteed FB	.650	.041	.759	40.6	2.3	2.37	4.12	1	pM	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
36044A			-.644	-.040	+.764	-40.1	-2.3	3.09	5.37	3	pM	0
36054			.655	.046	.754	41.0	2.6	2.33	4.05	4f	aM	0
36056		Flamsteed FA	.652	.061	.756	40.8	3.5	2.17	3.77	1	pM	0
36058	2448	Flamsteed F	.655	.083	.751	41.1	4.8	3.13	5.44	1	pM	0
36085		Flamsteed K	.689	.054	.723	43.6	3.1	2.13	3.70	1	pM	0
36095		Flamsteed P	.694	.056	.718	44.0	3.2	64.58	112.25	4f	aM	0
36097	2443	Flamsteed	.696	.078	.714	44.3	4.5	11.86	20.61	2	pM	p?
36106		Letronne D	.604	.164	.780	37.8	9.4	2.74	4.76	1	pM	0
36113	2457	Wichmann	.611	.131	.781	38.0	7.5	6.12	10.64	1	pM	0
36118		Letronne C	.611	.185	.770	38.4	10.7	2.42	4.21	1	pM	0
36121		Wichmann R	.625	.115	.772	39.0	6.6	35.43	61.58	5f	aM	0
36122		Wichmann B	.626	.124	.770	39.1	7.1	2.25	3.91	1	pM	0
36149	2433	Letronne B	.646	.195	.738	41.2	11.2	2.97	5.16	1	pM	0
36168	2431	Letronne	.662	.184	.727	42.3	10.6	68.65	119.32	4	aMC	pp
36173	2444	Flamsteed A	.674	.137	.726	42.9	7.9	7.31	12.71	1	pM	0
36180	2445	Flamsteed B	.687	.103	.719	43.7	5.9	5.49	9.54	1	pM	0
36188		Letronne P	.687	.186	.702	44.4	10.7	10.20	17.73	4f	aM	0
36205			.602	.251	.758	38.5	14.5	2.95	5.13	3	C	0
36211	2432	Letronne A	.616	.210	.759	39.1	12.1	3.94	6.85	1	pMC	0
36213			.615	.239	.751	39.3	13.8	2.35	4.08	2	C	0
36216	2412	Gassendi A	.616	.268	.741	39.7	15.5	19.00	33.02	2	C	pp
36221		Letronne N	.625	.213	.751	39.8	12.3	2.16	3.75	1	C	0
36225	2413	Gassendi B	.629	.253	.735	40.6	14.7	15.92	27.67	2	C	0
36229	2423	Gassendi P	.621	.296	.726	40.6	17.2	(1.37)	(2.38)	2	C	0
36236			.633	.262	.728	41.0	15.2	26.37	45.84	4	C	0
36245			.641	.254	.724	41.5	14.7	4.08	7.09	3	C	0
36247			.641	.271	.718	41.8	15.7	5.32	9.25	3	C	0
36261		Letronne T	.661	.216	.719	42.6	12.5	(1.60)	(2.78)	2	C	0
36264		Letronne K	.668	.248	.702	43.6	14.4	3.75 2.88	6.52 5.01	2	C	0
36264A			.662	.245	.708	43.1	14.2	2.06	3.58	2	C	0
36264B			.667	.243	.704	43.4	14.1	3.40	5.91	2	C	0
36274		Letronne L	.676	.247	.694	44.2	14.3	2.67	4.64	2	C	0
36276			.678	.267	.685	44.7	15.5	2.56	4.45	3	C	0
36277			.671	.275	.689	44.3	16.0	2.66	4.62	3	C	0
36278	2417	Gassendi G	.672	.288	.682	44.6	16.7	4.29	7.46	1	C	0
36280		Letronne M	.681	.207	.702	44.1	11.9	1.60	2.78	2	C	0
36285	2416	Gassendi F	.682	.259	.684	44.9	15.0	4.85	8.43	1	C	0
36287			.683	.274	.677	45.2	15.9	2.27	3.95	1	C	0
36294	2137	Billy A	.699	.247	.671	46.2	14.3	4.07	7.07	1	C	0
36295			.697	.256	.670	46.1	14.8	9.26	16.10	5f	aMC	0
36296		Gassendi FA	.692	.263	.672	45.8	15.2	2.69	4.68	1	pM	0
36296A			.697	.265	.666	46.3	15.4	2.19	3.81	1	pM	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
36297			-.699	-.272	+.661	-46.6	-15.8	2.29	3.98	2	pMC	0
36300	2422	Gassendi N	.601	.309	.737	39.2	18.0	1.97	3.42	1	C	0
36310	2389	Gassendi	.611	.301	.732	39.8	17.5	63.53	110.42	3	aMC	PP
36324	2420	Gassendi L	.623	.348	.701	41.6	20.4	3.15	5.48	1	pM	0
36334		Mersenius CE	.640	.342	.688	42.9	20.0	2.07	3.60	2	pM	0
36350		Gassendi W	.658	.302	.690	43.6	17.6	3.38	5.87	2	C	0
36350A			.659	.305	.688	43.8	17.8	4.45	7.73	3	C	0
36351		Gassendi E	.653	.316	.688	43.5	18.4	4.44	7.72	1	C	0
36352		Gassendi K	.653	.321	.686	43.6	18.7	3.45	6.00	1	C	0
36354		Mersenius CD	.653	.345	.674	44.1	20.2	2.08	3.62	2	pM	0
36356		Mersenius CC	.654	.360	.665	44.5	21.1	1.89	3.29	1	pM	0
36360			.660	.307	.686	43.9	17.9	3.31	5.75	3	C	0
36361			.668	.312	.676	44.7	18.2	8.12	14.11	5	C	0
36363			.664	.334	.669	44.8	19.5	2.74	4.76	2	pMC	0
36363A			.663	.338	.668	44.8	19.8	2.61	4.54	3	pM	0
36364		Mersenius CA	.665	.349	.660	45.2	20.4	3.05	5.30	3	pM	0
36365			.666	.356	.656	45.5	20.9	2.17	3.77	3	pM	0
36368	2153	Mersenius E	.665	.382	.642	46.0	22.5	5.61	9.75	1	pM	0
36368A		Mersenius EA	.669	.381	.638	46.4	22.4	2.65	4.61	2	pM	0
36369	2152	Mersenius D	.670	.392	.630	46.7	23.1	19.68	34.21	3	aMC	0
36370			.675	.307	.671	45.2	17.9	2.65	4.61	3	C	0
36372			.677	.320	.663	45.6	18.7	2.36	4.10	3	C	0
36373	2151	Mersenius C	.676	.338	.655	45.9	19.8	8.07	14.03	1	C	0
36374			.671	.347	.655	45.7	20.3	2.17	3.77	2	pMC	0
36375		Mersenius CB	.677	.357	.644	46.4	20.9	3.07	5.34	2	C	0
36379			.675	.397	.622	47.3	23.4	9.47	16.46	3	C	0
36379A			.679	.394	.619	47.6	23.2	3.12	5.42	3	C	0
36379B			.679	.392	.621	47.6	23.1	2.77	4.81	3	C	0
36385			.680	.359	.639	46.8	21.0	3.02	5.25	3	C	0
36388		Mersenius Y	.688	.385	.615	48.2	22.6	2.08	3.62	2	C	0
36388A		Mersenius X	.686	.381	.620	47.9	22.4	2.17	3.77	2	C	0
36389			.682	.399	.613	48.1	23.5	11.35	19.73	4	C	0
36391			.691	.313	.652	46.7	18.2	2.36	4.10	2	C	0
36392	2157B	Mersenius S	.690	.329	.645	46.9	19.2	8.99	15.63	1	C	0
36393			.692	.334	.640	47.2	19.5	4.45	7.73	4	C	0
36393A		Mersenius R	.697	.331	.636	47.6	19.3	2.55	4.43	1	C	0
36394	2157D	Mersenius P	.696	.341	.632	47.8	19.9	24.11	41.91	3	C	0
36395			.699	.355	.621	48.4	20.8	2.65	4.61	1	C	0
36396	2156	Mersenius M	.696	.363	.620	48.3	21.3	2.86	4.97	2	C	0
36398			.697	.387	.604	49.1	22.8	2.34	4.07	3	C	0
36399			.691	.399	.603	48.9	23.5	12.11	21.05	5	C	0
36407		Doppelmayer S	.608	.471	.639	43.6	28.1	2.37	4.12	1	pM	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
36408		Doppelmayer H	-.600	-.482	+.638	-43.2	-28.8	5.55	9.65	3f	C	0
36409		Doppelmayer M	.604	.492	.627	43.9	29.5	8.50	14.77	3f	C	0
36409A			.604	.495	.625	44.0	29.7	2.64	4.59	3	C	0
36411			.616	.417	.668	42.7	24.6	2.11	3.67	1	pM	0
36413		Doppelmayer T	.616	.437	.655	43.2	25.9	1.78	3.09	1	pM	0
36418	2386	Doppelmayer G	.618	.484	.620	44.9	28.9	8.06	14.01	2	C	0
36418A		Doppelmayer N	.613	.488	.621	44.6	29.2	3.05	5.30	1	C	0
36419			.618	.492	.613	45.2	29.5	9.96	17.31	4	C	p?
36426			.622	.467	.629	44.7	27.8	3.45	6.00	1	pMC	0
36429			.628	.497	.599	46.4	29.8	5.14	8.93	3f	C	0
36429A		Doppelmayer V	.620	.497	.607	45.6	29.8	4.55	7.91	3	C	0
36433			.638	.431	.638	45.0	25.5	7.03	12.22	5f	aM	0
36435			.638	.450	.625	45.6	26.7	3.36	5.84	2	C	0
36437			.633	.470	.615	45.8	28.0	2.32	4.03	3	C	0
36438			.631	.484	.606	46.1	28.9	4.95	8.60	3	C	0
36441		Liebig FA	.642	.419	.642	45.0	24.8	1.98	3.44	1	pM	0
36444	2155	Liebig G	.643	.440	.627	45.7	26.1	11.26	19.57	2f	MC	0
36445			.643	.452	.618	46.1	26.9	2.49	4.33	1	C	0
36445A			.646	.450	.617	46.3	26.7	3.73	6.48	2	C	0
36448	2205	Palmieri	.649	.480	.590	47.7	28.7	23.28	40.46	3f	C	0
36450			.655	.403	.639	45.7	23.8	5.43	9.44	3	MC	0
36451	2154	Liebig F	.650	.417	.635	45.7	24.6	5.14	8.93	1	pMC	0
36453			.652	.439	.618	46.5	26.0	7.92	13.77	4f	C	0
36454		Liebig BA	.658	.443	.609	47.2	26.3	6.06	10.53	2f	pMC	0
36455			.651	.450	.611	46.8	26.7	2.57	4.47	1	C	0
36458	2205A	Palmieri E	.654	.489	.577	48.6	29.3	7.82	13.59	1	C	0
36461			.668	.419	.615	47.4	24.8	9.95	17.29	4	C	0
36462	2149	Liebig B	.664	.422	.617	47.1	25.0	4.89	8.50	1	C	0
36464			.664	.445	.601	47.9	26.4	28.86	50.16	4f	aMC	0
36465		Liebig BB	.660	.451	.601	47.7	26.8	2.89	5.02	1	pM	0
36466			.669	.467	.578	49.2	27.8	7.92	13.77	4	C	0
36467			.660	.471	.585	48.4	28.1	4.31	7.49	3	C	0
36469			.665	.490	.564	49.7	29.3	9.31	16.18	4	C	0
36470			.672	.408	.618	47.4	24.1	3.07	5.34	2	C	0
36470A			.678	.404	.614	47.8	23.8	2.45	4.26	2	C	0
36471	2148	Liebig	.679	.412	.608	48.2	24.3	21.98	38.20	2	C	0
36471A	2157A	Liebig A	.674	.411	.614	47.7	24.3	6.14	10.67	1	C	0
36475		de Gasparis G	.675	.454	.582	49.3	27.0	2.97	5.16	1	C	0
36478	2204	Fourier E	.673	.480	.563	50.1	28.7	8.51	14.79	2f	C	0
36484		de Gasparis E	.680	.444	.583	49.4	26.4	3.91	6.80	2	pMC	0
36484A		de Gasparis F	.680	.442	.585	49.3	26.2	4.94	8.59	1	pMC	0
36488			.689	.484	.539	51.9	28.9	5.83	10.13	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
36489		Fourier G	-.684	-.491	+.540	-51.7	-29.4	6.09	10.59	2	C	0
36493	2180	de Gasparis	.696	.436	.571	50.7	25.8	18.25	31.72	3	C	0
36493A		de Gasparis D	.692	.431	.579	50.1	25.5	2.08	3.62	2	C	0
36495		de Gasparis A	.697	.450	.558	51.3	26.7	18.62 22.80	32.36 39.63	5f	aMC	0
36497	2203	Fourier C	.692	.478	.541	52.0	28.6	7.94	13.80	1	C	0
36498	2206	Fourier F	.697	.482	.531	52.7	28.8	7.90	13.73	2	C	0
36500		Doppelmayer C	.600	.505	.620	44.0	30.3	4.13	7.18	2f	pM	0
36501			.600	.514	.613	44.4	30.9	4.12	7.16	3	C	0
36501A			.604	.514	.609	44.8	30.9	10.15 16.65	17.64 28.94	5f	C	0
36502			.601	.520	.607	44.7	31.3	3.45	6.00	3	C	0
36504		Doppelmayer Y	.603	.546	.582	46.0	33.1	5.20	9.04	3f	C	0
36504A		Doppelmayer Z	.608	.545	.577	46.5	33.0	5.70	9.91	2	C	0
36504B			.604	.542	.584	45.9	32.8	2.94	5.11	3	C	0
36505			.600	.550	.581	45.9	33.4	2.84	4.94	1	pM	0
36506			.607	.565	.559	47.4	34.4	25.37	44.10	5f	aMC	0
36507			.601	.574	.556	47.2	35.0	2.07	3.60	2	C	0
36508			.601	.588	.541	48.0	36.0	2.66	4.62	1	C	0
36508A			.609	.586	.535	48.7	35.9	2.27	3.95	2	C	0
36510	2381A	Doppelmayer B	.614	.507	.605	45.4	30.5	6.01	10.45	2	C	0
36510A			.611	.502	.612	44.9	30.1	3.64	6.33	3	C	0
36511			.619	.514	.594	46.2	30.9	4.71	8.19	5	C	0
36512		Doppelmayer D	.610	.528	.591	45.9	31.9	4.91	8.53	2	C	0
36512A			.618	.523	.587	46.5	31.5	3.04	5.28	2	C	0
36512B			.616	.528	.585	46.5	31.9	2.35	4.08	2	C	0
36517			.616	.576	.537	48.9	35.2	13.44 21.66	23.36 37.65	5f	aMC	0
36518			.615	.586	.528	49.4	35.9	2.07	3.60	2	C	0
36519			.614	.596	.517	49.9	36.6	11.55	20.08	3f	C	0
36519A			.616	.591	.521	49.8	36.2	2.08	3.62	2	C	0
36521			.623	.512	.591	46.5	30.8	4.71	8.19	5	C	0
36522			.626	.525	.577	47.4	31.7	2.94	5.11	2	C	0
36523		Palmieri G	.623	.538	.568	47.7	32.5	4.09	7.11	2	C	0
36523A			.628	.534	.566	48.0	32.3	3.04	5.28	2	C	0
36528	2318	Lehmann C	.625	.582	.520	50.2	35.6	9.00	15.64	1	pMC	0
36529		Lehmann K	.621	.594	.511	50.5	36.4	3.00	5.21	1	C	0
36529A			.626	.594	.505	51.1	36.4	2.66	4.62	3	C	0
36529B			.626	.592	.508	51.0	36.3	2.18	3.79	3	C	0
36529C			.622	.599	.504	51.0	36.8	5.63 3.46	9.79 6.01	3	C	0
36529D			.623	.591	.512	50.6	36.2	2.06	3.58	2	C	0
36530		Palmieri C	.634	.502	.588	47.1	30.1	5.30	9.21	3	C	0
36530A			.630	.500	.594	46.7	30.0	4.71	8.19	4	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
36532		Palmieri H	-.630	-.524	+.573	-47.7	-31.6	11.03	19.17	3f	C	0
36532A		Palmieri HA	.631	.527	.569	47.9	31.8	5.70	9.91	3	C	0
36533	2201	Palmieri A	.633	.534	.560	48.5	32.3	10.93	19.00	2	C	p?
36535		Palmieri J	.631	.554	.543	49.3	33.6	5.99	10.41	1	pM	0
36535A			.631	.558	.539	49.5	33.9	2.11	3.67	2	pM	0
36536			.633	.560	.535	49.8	34.1	2.61	4.54	2	pM	0
36537			.638	.574	.513	51.2	35.0	3.23	5.61	2	C	0
36539		Lehmann L	.635	.594	.494	52.1	36.4	2.66	4.62	1	C	0
36539A			.638	.597	.486	52.7	36.7	3.36	5.84	2	C	0
36540			.644	.506	.574	48.3	30.4	2.74	4.76	2	C	0
36540A			.646	.500	.577	48.2	30.0	6.08	10.57	3	C	0
36541		Palmieri B	.641	.513	.571	48.3	30.9	6.26	10.88	3	C	0
36542A			.644	.528	.554	49.3	31.9	4.22	7.33	2	C	0
36542B			.645	.527	.553	49.4	31.8	3.13	5.44	2	C	0
36542C			.641	.526	.559	48.9	31.7	3.63	6.31	3	C	0
36546		Fourier R	.646	.563	.515	51.4	34.3	4.24	7.37	2	C	0
36546A			.642	.562	.522	50.9	34.2	2.25	3.91	3	C	0
36548			.645	.588	.488	52.9	36.0	2.86	4.97	2	C	0
36548A			.642	.587	.493	52.5	35.9	2.47	4.29	2	C	0
36550	2202	Fourier A	.657	.503	.562	49.5	30.2	18.64	32.40	3f	C	0
36550A			.650	.502	.571	48.7	30.1	3.50	6.08	3	C	0
36551			.658	.516	.548	50.2	31.1	4.12	7.16	1	C	0
36551A			.655	.515	.553	49.8	31.0	2.74	4.76	1	C	0
36552	2207	Fourier D	.658	.523	.542	50.5	31.5	11.81	20.53	2f	C	0
36552A			.659	.523	.541	50.6	31.5	3.04	5.28	2	C	0
36554			.653	.547	.524	51.3	33.2	14.72	25.59	5f	C	0
36555			.656	.558	.508	52.2	33.9	35.72 26.95	62.09 46.84	5f	C	0
36557			.657	.577	.485	53.6	35.2	3.17	5.51	4	C	0
36557A			.657	.578	.484	53.6	35.3	2.67	4.64	3	C	0
36557B			.658	.579	.481	53.8	35.4	2.74	4.76	2	C	0
36557C			.654	.576	.490	53.1	35.2	19.92	34.62	4f	C	0
36558			.653	.589	.476	53.9	36.1	2.64	4.59	3	C	0
36559			.653	.590	.475	54.0	36.2	3.16	5.49	3	C	0
36559A			.656	.596	.463	54.8	36.6	2.63	4.57	1	C	0
36559B			.657	.598	.459	55.1	36.7	3.26	5.67	2	C	0
36559C			.658	.593	.464	54.8	36.4	8.24 11.91	14.32 20.70	5	C	0
36562			.667	.527	.527	51.7	31.8	2.64	4.59	1	C	0
36563			.662	.533	.527	51.5	32.2	15.79	27.45	5f	C	0
36564			.664	.547	.510	52.5	33.2	10.11	17.57	5f	C	0
36565			.666	.558	.495	53.4	33.9	3.43	5.96	2	C	0
36566			.668	.568	.481	54.3	34.6	16.48	28.64	4f	C	0
36567		Lacroix P	.660	.577	.481	53.9	35.2	5.20	9.04	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
36568			-.663	-.581	+.472	-54.5	-35.5	18.05	31.37	4f	C	0
36569			.661	.597	.455	55.5	36.7	3.06	5.32	1	C	0
36569A			.668	.596	.446	56.3	36.6	14.52	25.24	4f	C	0
36570		Fourier B	.679	.508	.530	52.0	30.5	5.77	10.03	2	C	0
36570A			.678	.500	.539	51.5	30.0	3.04	5.28	2	C	0
36570B			.676	.500	.541	51.3	30.0	4.12	7.16	3	C	0
36571			.677	.514	.527	52.1	30.9	2.97	5.16	2	C	0
36573			.672	.534	.513	52.6	32.3	20.30 25.20	35.28 43.80	5f	C	0
36574			.678	.549	.489	54.2	33.3	21.29 31.02	37.01 53.92	4f	C	0
36577	2322	Lacroix A	.671	.574	.469	55.0	35.0	7.38	12.83	2	C	0
36577A			.671	.571	.473	54.8	34.8	2.79	4.85	1	C	0
36578		Lacroix M	.679	.585	.444	56.8	35.8	6.01	10.45	3	C	0
36579			.670	.591	.449	56.2	36.2	3.33	5.79	3	C	0
36579A			.674	.599	.432	57.3	36.8	2.81	4.88	2	C	0
36579B			.672	.598	.437	57.0	36.7	4.31	7.49	3	C	0
36580	2200	Fourier	.689	.504	.521	52.9	30.3	29.52	51.31	2	C	0
36580A		Fourier M	.689	.505	.520	53.0	30.3	2.06	3.58	2	C	0
36580B		Fourier L	.687	.503	.524	52.6	30.2	2.55	4.43	2	C	0
36581			.683	.516	.517	52.9	31.1	3.29	5.72	3	C	0
36581A			.685	.515	.515	53.0	31.0	3.49	6.07	3	C	0
36582			.686	.528	.501	53.9	31.9	15.31 20.16	26.61 35.04	5	C	0
36584			.689	.546	.477	55.3	33.1	6.58	11.44	3	C	0
36585			.681	.559	.473	55.2	34.0	8.14	14.15	4	C	0
36586			.686	.560	.465	55.9	34.1	2.26	3.93	3	C	0
36588			.686	.588	.429	58.0	36.0	4.41	7.67	4	C	0
36589		Lacroix G	.687	.596	.416	58.8	36.6	26.69	46.39	4	C	0
36591			.697	.514	.500	54.3	30.9	2.06	3.58	2	C	0
36595		Fourier N	.695	.551	.462	56.4	33.4	5.55	9.65	2	C	0
36596			.692	.568	.446	57.2	34.6	62.82	109.19	5f	C	0
36596A			.690	.563	.455	56.6	34.3	8.54 12.02	14.84 20.89	5f	C	0
36597		Lacroix K	.690	.576	.438	57.6	53.2	22.96 29.26	39.91 50.86	4f	C	0
36598		Lacroix L	.691	.582	.429	58.2	35.6	4.02	6.99	3	C	0
36599			.693	.594	.409	59.5	36.4	6.28	10.92	4	C	0
36600			.609	.607	.511	50.0	37.4	6.48 8.14	11.26 14.15	4	C	0
36601			.606	.612	.508	50.0	37.7	6.53 8.53	11.35 14.83	5	C	0
36602		Drebbel A	.604	.629	.489	51.0	39.0	4.15	7.21	1	C	0
36603		Drebbel P	.604	.639	.476	51.7	39.7	2.34	4.07	2	C	0
36605	2342A	Drebbel J	.600	.651	.465	52.2	40.6	7.20	12.51	1	C	0
36608			.603	.685	.409	55.9	43.2	2.37	4.12	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
36610			-.614	-.602	+.510	-50.3	-37.0	7.21	12.53	3	C	0
36611	2339	Drebbel E	.614	.617	.492	51.3	38.1	35.48	61.67	4f	C	0
36613			.612	.635	.471	52.4	39.4	2.37	4.12	3	C	0
36614			.611	.646	.458	53.2	40.2	3.85	6.69	2	C	0
36614A			.616	.644	.454	53.6	40.1	4.05	7.04	1	C	0
36615			.610	.650	.453	53.4	40.5	3.70	6.43	3	C	0
36615A			.611	.659	.439	54.3	41.2	4.64	8.07	3	C	0
36615B			.613	.654	.443	54.1	40.8	3.95	6.87	3	C	0
36615C			.619	.652	.438	54.7	40.7	3.70	6.43	4	C	0
36616		Schickard N	.612	.660	.436	54.6	41.3	3.65	6.34	1	C	0
36618			.619	.688	.379	58.5	43.5	2.27	3.95	3	C	0
36619		Schickard L	.619	.696	.364	59.5	44.1	4.25	7.39	2	C	0
36619A		Schickard M	.614	.697	.370	58.9	44.2	4.25	7.39	2	C	0
36619B			.616	.690	.380	58.3	43.6	3.06	5.32	3	C	0
36619C			.617	.698	.363	59.5	44.3	2.76	4.80	2	C	0
36620			.623	.605	.496	51.5	37.2	9.83	17.09	4	C	0
36620A			.629	.600	.494	51.8	36.9	7.71	13.40	4	C	0
36622	2318B	Lehmann B	.625	.625	.468	53.2	38.7	10.28 14.86	17.87 25.83	5	C	0
36623	2318A	Lehmann A	.624	.636	.454	54.0	39.5	19.28	33.51	3	C	0
36625			.628	.651	.426	55.8	40.6	2.66	4.62	2	C	0
36628	2303A	Schickard G	.626	.683	.376	59.0	43.1	6.92	12.03	1	C	0
36628A			.621	.686	.379	58.6	43.3	2.86	4.97	3	C	0
36629			.628	.698	.344	61.3	44.3	3.39	5.89	3	C	0
36634	2313	Lehmann	.635	.643	.428	56.0	40.0	30.63	53.24	3	C	0
36636			.639	.660	.395	58.3	41.3	7.71	13.40	4	C	p
36637			.634	.676	.376	59.4	42.5	9.78	17.00	5	C	0
36637A			.637	.679	.365	60.2	42.8	25.10	43.63	5	C	0
36639			.631	.695	.345	61.4	44.0	3.65	6.34	2	C	0
36639A			.632	.697	.339	61.8	44.2	4.25	7.39	2	C	0
36639B			.638	.695	.332	62.5	44.0	5.84	10.15	2	C	0
36640			.641	.608	.468	53.8	37.4	2.81	4.88	2	C	0
36643	2318D	Lehmann D	.649	.637	.416	57.3	39.6	7.46	12.97	1	C	0
36643A			.646	.637	.421	56.9	39.6	4.94	8.59	3	C	0
36643B			.647	.634	.424	56.8	39.3	2.66	4.62	3	C	0
36644			.640	.648	.413	57.2	40.4	2.08	3.62	1	C	0
36644A			.648	.642	.410	57.7	39.9	2.96	5.14	1	C	0
36645	2318E	Lehmann H	.644	.657	.392	58.7	41.1	9.19	15.97	1	C	0
36646			.644	.663	.382	59.3	41.5	2.96	5.14	2	C	0
36647			.647	.670	.364	60.6	42.1	3.91	6.80	2	C	0
36647A			.641	.670	.374	59.7	42.1	2.56	4.45	2	C	0
36648	2306A	Schickard H	.641	.689	.338	62.2	43.6	9.15	15.90	1	C	0
36649	2304A	Schickard K	.647	.692	.320	63.7	43.8	9.30	16.16	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
36649A			-.642	-.694	+.326	-63.1	-43.9	12.68	22.04	3	C	0
36650	2319	Lehmann E	.650	.607	.457	54.9	37.4	26.19 33.19	45.52 57.69	4f	C	0
36650A			.650	.601	.465	54.4	36.9	3.26	5.67	1	C	0
36652			.656	.624	.425	57.1	38.6	10.87	18.89	4f	C	0
36652A			.656	.620	.430	56.7	38.3	9.62	16.72	5f	C	0
36652B			.658	.629	.414	57.8	39.0	2.97	5.16	2	C	0
36654			.659	.644	.389	59.5	40.1	3.36	5.84	3	C	0
36655			.657	.650	.382	59.8	40.5	5.93	10.31	3	C	0
36658			.652	.684	.327	63.4	43.2	7.02	12.20	3	C	0
36658A			.658	.685	.313	64.6	43.2	5.54	9.63	3	C	0
36659			.659	.696	.285	66.6	44.1	6.14	10.67	3	C	0
36660			.661	.606	.443	56.2	37.3	60.65	105.42	5	C	0
36660A			.665	.609	.432	57.0	37.5	3.66	6.36	2	C	0
36661			.664	.616	.424	57.4	38.0	4.64	8.07	2	C	0
36662	2325A	Lacroix H	.660	.625	.417	57.7	38.7	7.18	12.48	1	C	0
36662A			.662	.620	.421	57.5	38.3	3.65	6.34	3	C	0
36662B			.662	.627	.411	58.2	38.8	2.28	3.96	1	C	0
36662C			.669	.624	.404	58.9	38.6	6.03	10.48	4	C	0
36662D			.666	.623	.410	58.4	38.5	5.12	8.90	4	C	0
36663			.664	.634	.396	59.2	39.3	24.85	43.19	5f	C	0
36665	2324	Lacroix F	.667	.652	.361	61.6	40.7	8.45	14.69	2	C	0
36665A			.667	.656	.353	62.1	41.0	9.87	17.16	1	C	0
36665B			.664	.652	.366	61.1	40.7	4.05	7.04	2	C	0
36665C			.662	.658	.359	61.5	41.1	5.04	8.76	3	C	0
36666			.664	.665	.342	62.8	41.7	4.54	7.89	3	C	0
36667			.660	.674	.332	63.3	42.4	4.05	7.04	3	C	0
36670		Lacroix N	.675	.605	.422	58.0	37.2	6.83	11.87	2	C	0
36670A			.678	.602	.422	58.1	37.0	4.93	8.57	3	C	0
36670B			.678	.607	.415	58.6	37.4	3.11	5.41	2	C	0
36670C			.671	.601	.434	57.1	36.9	3.21	5.58	3	C	0
36671	2321	Lacroix	.676	.614	.407	58.9	37.9	20.83	36.21	2	C	0
36671A			.672	.610	.420	58.0	37.6	12.87	22.37	4	C	0
36672	2325B	Lacroix J	.674	.621	.400	59.3	38.4	10.52	18.29	2	C	0
36672A			.674	.626	.392	59.8	38.8	2.96	5.14	2	C	0
36672B			.672	.623	.400	59.2	38.5	3.16	5.49	2	C	0
36674			.675	.644	.360	61.9	40.1	4.69	8.15	1	C	0
36674A			.679	.641	.358	62.2	39.9	4.64	8.07	2	C	0
36675			.670	.658	.344	62.8	41.1	2.48	4.31	3	C	0
36677			.670	.679	.300	65.9	42.8	5.44 5.99	9.46 10.41	3	C	0
36678			.677	.688	.261	68.9	43.5	4.60	8.00	3	C	0
36679			.678	.693	.245	70.1	43.9	2.28	3.96	2	C	0
36679A			.678	.691	.251	69.7	43.7	3.27	5.68	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
36679B			-.670	-.694	+.264	-68.5	-43.9	4.75	8.26	3	C	0
36679C			.677	.696	.239	70.5	44.1	3.17	5.51	2	C	0
36684	2323	Lacroix E	.682	.642	.350	62.8	39.9	10.97	19.07	4f	C	0
36684A			.687	.640	.344	63.4	39.8	2.38	4.14	3	C	0
36684B			.689	.649	.323	64.9	40.5	6.13	10.65	3	C	0
36685			.686	.652	.323	64.8	40.7	4.95	8.60	4	C	0
36686			.688	.668	.284	67.6	41.9	9.21	16.01	4	C	0
36688			.686	.689	.234	71.2	43.6	10.70	18.60	3	C	0
36688A			.688	.682	.248	70.2	43.0	6.96	12.10	4	C	0
36689			.682	.694	.231	71.3	43.9	3.07	5.34	2	C	0
36690	2325C	Lacroix B	.695	.602	.393	60.5	37.0	3.90	6.78	1	C	0
36691			.697	.612	.374	61.8	37.7	3.26	5.67	1	C	0
36694		Piazzi G	.690	.646	.326	64.7	40.2	4.94	8.59	1	C	0
36694A		Piazzi H	.696	.645	.316	65.6	40.2	4.16	7.23	1	C	0
36694B			.695	.642	.324	65.0	39.9	12.87	22.37	3	C	0
36696			.694	.663	.281	68.0	41.5	3.82	6.64	2	C	0
36696A			.695	.665	.273	68.5	41.7	3.46	6.01	3	C	0
36696B			.699	.665	.263	69.4	41.7	11.30 19.98	19.64 34.73	4	C	p
36696C			.690	.666	.283	67.7	41.8	12.77	22.20	4	C	0
36697	2325	Lacroix Z	.693	.672	.261	69.4	42.2	7.73	13.44	2	C	0
36698			.693	.681	.237	71.1	42.9	112.0	19.47	4	C	0
36699	2250	Inghirami C	.692	.696	.192	74.5	44.1	8.52	14.81	2	C	0
36700		Schickard V	.603	.701	.381	57.7	44.5	3.75	6.52	2	C	0
36701		Inghirami M	.609	.715	.343	60.6	45.6	8.12	14.11	2	C	0
36701A		Inghirami L	.608	.718	.339	60.9	45.9	7.72	13.42	2	C	0
36704			.604	.743	.288	64.5	48.0	2.67	4.64	1	C	0
36705		Inghirami N	.605	.753	.259	66.8	48.9	7.83	13.61	3	C	0
36705A		Inghirami S	.608	.757	.239	68.5	49.2	5.59	9.72	2	C	0
36705B			.601	.756	.259	66.7	49.1	2.08	3.62	3	C	0
36706			.604	.761	.237	68.6	49.6	4.06	7.06	3	C	0
36707	2290	Wargentin G	.604	.779	.168	74.4	51.2	14.74	25.62	2	C	0
36710			.618	.702	.354	60.2	44.6	3.65	6.34	2	C	0
36710A			.615	.706	.351	60.3	44.9	2.66	4.62	2	C	0
36710B			.616	.706	.349	60.4	44.9	3.06	5.32	2	C	0
36710C			.611	.706	.358	59.6	44.9	2.66	4.62	3	C	0
36710D			.613	.705	.357	59.8	44.8	2.17	3.77	3	C	0
36710E			.618	.708	.342	61.1	45.1	2.37	4.12	3	C	0
36711			.614	.713	.339	61.1	45.5	5.94	10.32	2	C	0
36712			.618	.725	.304	63.8	46.5	2.58	4.48	2	C	0
36715			.614	.754	.233	69.2	48.9	3.27	5.68	2	C	0
36716	(2253)	Inghirami H	.611	.769	.188	72.9	50.3	10.40	18.08	1	C	0
36716A		Inghirami F	.612	.765	.201	71.9	49.9	13.42	23.33	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
36717		Inghirami P	-.615	-.775	+.145	-76.7	-50.8	26.04 15.83	45.26 27.51	3	C	0
36720	2300A	Schickard J	.625	.707	.331	62.1	45.0	6.52	11.33	2	C	0
36720A			.626	.708	.327	62.4	45.1	5.63	9.79	2	C	0
36720B			.625	.700	.346	61.1	44.4	4.20	7.30	2	C	0
36720C			.625	.704	.337	61.6	44.7	3.75	6.52	3	C	0
36723	2247	Inghirami	.630	.737	.245	68.8	47.5	52.39	91.06	3	C	0
36723A			.629	.731	.265	67.2	47.0	3.24	5.63	2	C	0
36726		Inghirami K	.624	.761	.177	74.1	49.6	14.15	24.59	1	C	0
36726A			.626	.765	.151	76.4	49.9	6.19	10.76	2	C	0
36726B			.625	.764	.160	75.6	49.8	5.56	9.66	2	C	0
36737		Pingré MA	.633	.774	.015	88.6	50.7	9.23	16.04	2	C	?
36740	2248	Inghirami A	.642	.706	.299	65.0	44.9	19.47	33.84	2f	C	0
36743			.649	.733	.204	72.6	47.1	2.48	4.31	3	C	0
36743A			.646	.734	.210	72.0	47.2	4.17	7.25	2	C	0
36744		Inghirami Q	.641	.742	.196	73.0	47.9	22.59	39.26	3	C	p?
36745			.640	.754	.148	77.0	48.9	14.16	24.61	3	C	?
36750		Inghirami W	.659	.700	.275	67.3	44.4	3.27	5.68	1	C	0
36755			.656	.750	.085	82.6	48.6	16.82	29.24	3	C	?
36756		Pingré MB	.650	.760	.000	90.0	49.5	15.08	26.21	2	C	?
36760			.660	.703	.265	68.1	44.7	5.35	9.30	3	C	0
36762			.664	.726	.179	74.9	46.6	16.52 10.82	28.71 18.81	4	C	0
36771			.675	.713	.190	74.3	45.5	16.35 27.41	28.42 47.64	3	C	0
36780			.680	.706	.198	73.8	44.9	8.72	15.16	3	C	0
36782		Baade A	.682	.722	.117	80.3	46.2	58.05	100.90	4	C	0
36790			.690	.706	.160	77.0	44.9	8.12	14.11	3	C	?
36791			.698	.716	.012	89.0	45.7	8.25	14.34	1	C	?
37005	2447	Flamsteed D	.704	.055	.708	44.8	3.2	4.12	7.16	1	pM	0
37019	2446	Flamsteed C	.719	.096	.688	46.2	5.5	5.41	9.40	1	pM	0
37034		Flamsteed X	.734	.040	.678	47.3	2.3	1.71	2.97	1	pM	0
37042		Flamsteed Z	.740	.022	.672	47.7	1.3	1.49	2.59	1	pM	0
37047			.746	.071	.662	48.4	4.1	9.20	15.99	5f	aM	0
37057			.759	.072	.647	49.6	4.1	3.49	6.07	4f	aM	0
37058		Flamsteed GD	.755	.088	.650	49.3	5.0	2.05	3.56	1	pM	0
37066		Flamsteed GB	.767	.062	.639	50.2	3.6	2.54	4.41	1	pM	0
37075			.776	.050	.629	51.0	2.9	6.68	11.61	4f	aM	0
37078		Flamsteed G	.774	.084	.628	51.0	4.8	26.63	46.29	5f	aM	0
37085		Flamsteed T	.782	.055	.621	51.6	3.2	12.76	22.18	4f	aM	0
37086		Flamsteed GC	.788	.061	.613	52.1	3.5	4.96	8.62	4f	aM	0
37089		Flamsteed HA	.785	.098	.612	52.1	5.6	1.98	3.44	1	pM	0
37116	2435	Letronne F	.711	.160	.685	46.1	9.2	4.87	8.46	1	pM	0
37122			.720	.120	.684	46.5	6.9	50.61	87.97	5f	aM	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
37125		Letronne FA	-.720	-.150	+.678	-46.7	-8.6	2.37	4.12	1	pM	0
37143			.743	.132	.656	48.6	7.6	2.01	3.49	1	pM	0
37151		Flamsteed CA	.752	.116	.649	49.2	6.7	3.06	5.32	1	pM	0
37158		Hansteen E	.759	.184	.625	50.6	10.6	16.19	28.14	4f	aMC	0
37159			.758	.193	.623	50.6	11.1	3.86	6.71	4	aMC	0
37166			.768	.168	.618	51.2	9.7	7.09	12.32	5f	aMC	0
37167			.764	.171	.622	50.8	9.8	11.86	20.61	4f	aMC	0
37167A			.769	.174	.615	51.3	10.0	6.12	10.64	5	C	0
37170			.772	.107	.627	50.9	6.1	12.92	22.46	5f	aM	0
37179	2117	Hansteen	.771	.200	.605	51.9	11.5	25.77	44.79	3	aMC	p
37180	(2448A)	Flamsteed H	.780	.102	.617	51.6	5.9	2.31	4.02	1	pM	0
37185			.785	.159	.599	52.7	9.1	2.35	4.08	2	pM	0
37187			.788	.173	.591	53.1	10.0	2.30	4.00	2	pMC	0
37193			.793	.134	.594	53.2	7.7	8.09 6.76	14.06 11.75	4f	aM	0
37196		Sirsalis T	.792	.161	.589	53.4	9.3	7.43	12.91	4f	aMC	0
37201		Letronne H	.702	.219	.678	46.0	12.7	2.46	4.28	1	C	0
37201A			.704	.216	.677	46.1	12.5	2.74	4.76	1	C	0
37201B		Letronne G	.708	.219	.671	46.5	12.7	5.95	10.34	4	C	0
37204			.707	.244	.664	46.8	14.1	4.63	8.05	3	C	0
37208			.703	.281	.653	47.1	16.3	29.31	50.95	5f	aMC	0
37215			.714	.255	.652	47.6	14.8	9.45	16.43	4	C	0
37221	2138	Billy B	.720	.213	.660	47.5	12.3	7.57 10.12	13.16 17.59	5f	aMC	0
37225	2138A	Billy D	.722	.256	.643	48.3	14.8	5.93	10.31	1	C	0
37227	2136	Billy C	.725	.277	.631	49.0	16.1	3.40	5.91	1	pMC	0
37229		Zupus Y	.726	.299	.619	49.5	17.4	1.23	2.14	1	C	0
37229A			.721	.290	.629	48.9	16.9	6.62	11.51	5f	aMC	0
37232		Billy K	.732	.224	.643	48.7	12.9	2.46	4.28	1	pM	0
37234		Billy M	.733	.243	.635	49.1	14.1	6.62	11.51	4	C	0
37235A		Billy E	.736	.258	.626	49.6	15.0	1.33	2.31	1	C	0
37236		Billy H	.734	.269	.624	49.6	15.6	1.61	2.80	1	C	0
37238			.731	.282	.621	49.6	16.4	15.42	26.80	5f	aMC	0
37239			.736	.294	.610	50.4	17.1	15.51	26.96	5	aMC	0
37243	2127	Billy	.744	.239	.624	50.0	13.8	26.31	45.73	2f	MC	0
37249		Zupus S	.746	.292	.599	51.3	17.0	14.66	25.48	5	C	0
37257		Zupus K	.759	.270	.592	52.0	15.7	8.70	15.12	5f	aMC	0
37258			.753	.283	.594	51.7	16.4	10.59	18.41	5f	aMC	0
37259	2139	Zupus	.755	.295	.586	52.2	17.2	20.24	35.18	5f	aMC	0
37262	2118	Hansteen A	.770	.221	.599	52.1	12.8	3.59	6.24	1	C	0
37262A			.769	.223	.599	52.1	12.9	2.65	4.61	2	C	0
37269		Zupus A	.767	.296	.569	53.4	17.2	3.59	6.24	1	C	0
37272		Hansteen B	.773	.220	.595	52.4	12.7	2.55	4.43	2	C	0
37273		Hansteen L	.776	.234	.586	53.0	13.5	1.80	3.13	1	pM	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
37274		Hansteen K	-.777	-.240	+.582	-53.2	-13.9	1.80	3.13	1	pMC	0
37279		Zupus F	.772	.298	.561	54.0	17.3	1.99	3.46	1	C	0
37287			.786	.271	.556	54.7	15.7	6.90	11.99	5	C	0
37289		Zupus C	.784	.297	.545	55.2	17.3	12.30 21.43	21.38 37.25	4	C	0
37289A			.782	.292	.551	54.8	17.0	2.36	4.10	2	C	0
37291		Hansteen BA	.792	.210	.573	54.1	12.1	1.71	2.97	1	pM	0
37296		Fontana AA	.799	.264	.540	55.9	15.3	2.97	5.16	2	C	0
37296A			.790	.266	.552	55.0	15.4	4.73	8.22	4	C	0
37297	2106	Fontana A	.798	.270	.539	56.0	15.7	7.28	12.65	5	C	0
37297A			.790	.272	.549	55.2	15.8	5.96	10.36	4	C	0
37299			.790	.296	.537	55.8	17.2	2.83	4.92	3	C	0
37303			.708	.332	.623	48.6	19.4	4.35	7.56	3	C	0
37304			.709	.345	.615	49.1	20.2	3.62	6.29	2	C	0
37304A		Mersenius L	.701	.340	.627	48.2	19.9	1.89	3.29	2	C	0
37304B			.708	.347	.615	49.0	20.3	2.17	3.77	2	C	0
37306	2147	Mersenius	.704	.367	.608	49.2	21.5	46.91	81.54	2f	C	0
37306A			.703	.367	.609	49.1	21.5	2.55	4.43	3	C	0
37307	2157	Mersenius N	.702	.376	.605	49.3	22.1	1.90	3.30	1	C	0
37307A			.702	.373	.607	49.2	21.9	3.12	5.42	3	C	0
37308	2157C	Mersenius H	.707	.384	.594	50.0	22.6	7.78	13.52	3	C	0
37309		Mersenius U	.705	.391	.592	50.0	23.0	2.17	3.77	2	C	0
37309A			.705	.395	.589	50.1	23.3	5.95	10.34	4	C	0
37309B			.709	.399	.581	50.6	23.5	18.25	31.72	5	C	0
37318		Mersenius V	.711	.389	.586	50.5	22.9	2.65	4.61	1	C	0
37318A			.713	.381	.589	50.5	22.4	3.21	5.58	3	C	0
37319		Mersenius W	.713	.391	.582	50.8	23.0	2.65	4.61	1	C	0
37319A			.711	.391	.584	50.6	23.0	2.83	4.92	2	C	0
37321		Zupus Z	.729	.312	.609	50.1	18.2	1.89	3.29	1	C	0
37321A			.724	.310	.616	49.6	18.1	6.14	10.67	5	C	0
37321B			.725	.316	.612	49.8	18.4	9.83	17.09	5	C	0
37322			.727	.326	.604	50.3	19.0	12.11	21.05	4f	C	0
37322A			.727	.324	.605	50.2	18.9	2.08	3.62	1	C	0
37322B			.720	.321	.615	49.5	18.7	7.09	12.32	4	C	0
37325		Mersenius Z	.721	.359	.593	50.6	21.0	1.61	2.80	1	C	0
37326		Mersenius K	.722	.362	.590	50.8	21.2	3.12	5.42	3	C	0
37332		Zupus RA	.737	.327	.592	51.2	19.1	2.08	3.62	1	C	0
37333			.736	.336	.588	51.4	19.6	21.28	36.99	5	C	0
37333A			.738	.334	.586	51.5	19.5	3.02	5.25	4	C	0
37334			.740	.346	.577	52.1	20.2	5.14	8.93	4	C	0
37334A			.735	.347	.583	51.6	20.3	3.31	5.75	3	C	0
37334B			.735	.349	.581	51.7	20.4	3.21	5.58	4	C	0
37335	2150	Mersenius B	.731	.360	.580	51.6	21.1	8.44	14.67	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
37335A			-.738	-.350	+.577	-52.0	-20.5	7.28	12.65	4	C	0
37336			.731	.369	.574	51.9	21.7	2.08	3.62	2	C	0
37341		Zupus R	.741	.314	.594	51.3	18.3	23.17	40.27	5f	C	0
37344			.743	.349	.571	52.5	20.4	3.69	6.41	3	C	0
37345		Mersenius J	.742	.358	.567	52.6	21.0	2.97	5.16	1	C	0
37345A			.742	.352	.571	52.4	20.6	3.02	5.25	3	C	0
37347		Cavendish L	.748	.370	.551	53.6	21.7	3.02	5.25	1	C	0
37347A		Cavendish M	.748	.374	.548	53.8	22.0	3.21	5.58	2	C	0
37353	2142	Zupus D	.756	.336	.562	53.4	19.6	9.77	16.98	2f	C	0
37354			.754	.341	.561	53.3	19.9	2.17	3.77	1	C	0
37355			.750	.352	.560	53.3	20.6	9.37	16.29	5	C	0
37356			.752	.361	.552	53.7	21.2	4.54	7.89	4	C	0
37357		Cavendish N	.753	.375	.541	54.3	22.0	2.08	3.62	1	C	0
37358		Henry (Paul) J	.759	.387	.524	55.4	22.8	3.12	5.42	1	C	0
37358A			.754	.380	.536	54.6	22.3	3.21	5.58	3	C	0
37358B			.750	.382	.540	54.2	22.5	2.46	4.28	2	C	0
37358C			.750	.385	.538	54.4	22.6	3.69	6.41	3	C	0
37359		Cavendish B	.753	.395	.526	55.1	23.3	5.82	10.12	1	C	0
37359A		Henry (Paul) K	.757	.394	.521	55.4	23.2	3.40	5.91	1	C	0
37360			.761	.309	.570	53.1	18.0	9.27 12.77	16.11 22.20	4	C	0
37365			.764	.352	.541	54.7	20.6	2.65	4.61	3	C	0
37370		Zupus B	.774	.302	.557	54.3	17.6	3.47	6.03	2	C	0
37370A			.777	.305	.551	54.7	17.8	2.74	4.76	2	C	0
37370B			.775	.306	.553	54.5	17.8	3.31	5.75	3	C	0
37371			.778	.315	.544	55.1	18.4	2.65	4.61	3	C	0
37372		Zupus X	.774	.323	.545	54.9	18.8	2.74	4.76	1	C	0
37373			.774	.336	.537	55.3	19.6	2.09	3.63	1	C	0
37373A			.772	.337	.539	55.1	19.7	2.09	3.63	2	C	0
37375		Henry (Prosper) S	.779	.350	.520	56.3	20.5	3.69	6.41	1	C	0
37375A			.772	.354	.528	55.6	20.7	5.02	8.73	3f	C	0
37377		Henry (Prosper) H	.773	.379	.509	56.6	22.3	3.59	6.24	1	C	0
37377A			.773	.373	.513	56.4	21.9	3.02	5.25	1	C	0
37378			.777	.385	.498	57.3	22.6	8.47	14.72	5	C	0
37381			.785	.310	.536	55.7	18.1	2.36	4.10	2	C	0
37381A			.788	.310	.532	56.0	18.1	7.57 6.14	13.16 10.67	4	C	0
37382			.784	.325	.529	56.0	19.0	3.88	6.74	3	C	0
37384			.784	.344	.517	56.6	20.1	2.18	3.79	2	C	0
37384A			.788	.342	.512	57.0	20.0	3.02	5.25	3	C	0
37385			.785	.356	.507	57.1	20.9	22.62 32.93	39.32 57.24	4f	C	0
37386		Henry (Prosper) R	.787	.367	.496	57.8	21.5	3.78	6.57	2	C	0
37387			.788	.373	.490	58.1	21.9	16.94	29.44	4	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
37388		Henry (Prosper) G	-.781	-.388	+.489	-57.9	-22.8	2.09	3.63	1	C	0
37388A			.782	.384	.491	57.9	22.6	15.62	27.15	5	C	0
37388B			.787	.387	.480	58.6	22.8	12.01	20.88	3	C	0
37388C			.785	.384	.486	58.2	22.6	3.97	6.90	3	C	0
37389	2178	Henry (Prosper)	.785	.400	.473	58.9	23.6	23.99	41.70	1	C	p
37389A			.785	.397	.476	58.8	23.4	3.47	6.03	1	C	0
37391		Zupus V	.790	.313	.527	56.3	18.2	2.55	4.43	2	C	0
37394		de Vico K	.798	.343	.496	58.2	20.1	4.45	7.73	1	C	0
37394A		de Vico L	.795	.340	.502	57.7	19.9	2.74	4.76	1	C	0
37394B			.794	.340	.504	57.6	19.9	5.02	8.73	3	C	0
37395			.794	.356	.493	58.2	20.9	20.44 34.63	35.53 60.19	5f	C	0
37396			.798	.366	.479	59.0	21.5	2.36	4.10	2	C	0
37396A			.791	.367	.490	58.2	21.5	3.78	6.57	2	C	0
37397			.791	.370	.487	58.4	21.7	5.59	9.72	3	C	0
37397A			.796	.377	.474	59.3	22.1	9.85 14.56	17.12 25.31	5	C	0
37399			.799	.391	.457	60.2	23.0	2.65	4.61	1	C	0
37404		de Gasparis C	.704	.442	.556	51.7	26.2	3.40	5.91	1	C	0
37405		de Gasparis B	.707	.455	.541	52.6	27.1	6.08	10.57	1	C	0
37410		Cavendish P	.714	.409	.568	51.5	24.1	2.66	4.62	1	C	0
37414			.717	.443	.538	53.1	26.3	5.02	8.73	5	C	0
37415			.717	.459	.525	53.8	27.3	3.40	5.91	3	C	0
37416		Vieta D	.718	.468	.515	54.3	27.9	4.47	7.77	2	C	0
37416A			.715	.468	.519	54.0	27.9	8.33	14.48	4	C	0
37417			.715	.474	.514	54.3	28.3	12.51	21.74	4	C	0
37417A			.716	.479	.508	54.7	28.6	3.97	6.90	2	C	0
37418			.717	.487	.499	55.2	29.1	3.59	6.24	3	C	0
37420	2176	Cavendish A	.727	.407	.553	52.7	24.0	5.94	10.32	1	C	0
37420A		Cavendish S	.724	.403	.560	52.3	23.8	2.08	3.62	1	C	0
37421			.724	.419	.548	52.9	24.8	14.66	25.48	5	C	?
37422			.728	.420	.542	53.3	24.8	8.51	14.79	4	C	0
37423			.723	.431	.540	53.2	25.5	2.83	4.92	2	C	0
37423A			.720	.436	.540	53.1	25.8	2.83	4.92	3	C	0
37424	2179A	Cavendish F	.727	.441	.526	54.1	26.2	10.05	17.47	2f	C	0
37424A			.720	.440	.537	53.3	26.1	2.65	4.61	2	C	0
37424B			.720	.449	.529	53.7	26.7	7.09	12.32	4	C	0
37425			.722	.457	.519	54.3	27.2	18.26	31.74	5	C	0
37425A			.728	.455	.513	54.8	27.1	3.21	5.58	3	C	0
37426			.725	.467	.506	55.1	27.8	5.96 4.33	10.36 7.53	3	C	0
37427		Vieta K	.724	.470	.505	55.1	28.0	2.74	4.76	1	C	0
37428	2190	Vieta	.726	.488	.485	56.3	29.2	50.06	87.01	2	C	p
37428A		Vieta G	.730	.490	.476	56.9	29.3	3.22	5.60	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
37428C		Vieta H	-.726	-.487	+.486	-56.2	-29.1	2.55	4.43	1	C	0
37428D		Vieta J	.725	.484	.490	55.9	28.9	2.65	4.61	1	C	0
37429			.729	.491	.477	56.8	29.4	2.65	4.61	3	C	0
37431	2175	Cavendish	.733	.417	.537	53.8	24.6	32.31	56.16	3	C	p
37431A		Cavendish C	.734	.418	.535	53.9	24.7	9.94	17.28	4	C	0
37432	2179	Cavendish E	.733	.430	.527	54.3	25.5	13.67	23.76	1	C	0
37434			.735	.442	.514	55.0	26.2	14.86	25.83	5	C	0
37435			.730	.456	.509	55.1	27.1	2.83	4.92	3	C	0
37436			.734	.462	.498	55.9	27.5	29.05	50.49	4	C	0
37436A			.733	.468	.494	56.0	27.9	5.06	8.80	4	C	0
37437			.738	.475	.479	57.0	28.4	3.97	6.90	3	C	0
37441			.749	.418	.514	55.5	24.7	2.83	4.92	3	C	0
37441A		Cavendish T	.745	.419	.519	55.1	24.8	2.09	3.63	1	C	0
37444			.747	.444	.495	56.5	26.4	2.55	4.43	2	C	0
37444A			.740	.449	.501	55.9	26.7	4.73	8.22	3	C	0
37445			.747	.450	.489	56.8	26.7	16.37	28.45	5	C	0
37446			.748	.466	.473	57.7	27.8	2.37	4.12	2	C	0
37447			.740	.472	.479	57.1	28.2	5.59	9.72	3	C	0
37447A			.747	.471	.469	57.9	28.1	2.28	3.96	2	C	0
37447B			.746	.474	.468	57.9	28.3	2.18	3.79	2	C	0
37448		Vieta C	.749	.481	.456	58.7	28.8	4.73	8.22	2	C	0
37451		Henry (Paul) B	.758	.411	.506	56.3	24.3	2.34	4.07	2	C	0
37452			.758	.420	.499	56.6	24.8	11.35 13.79	19.73 23.97	4	C	0
37452A			.753	.428	.500	56.4	25.3	14.19 17.38	24.66 30.21	4	C	0
37453		Henry (Paul) M	.759	.435	.484	57.5	25.8	8.04	13.97	2	C	0
37453A			.758	.433	.488	57.2	25.7	2.36	4.10	2	C	0
37454		Vieta R	.755	.448	.479	57.6	26.6	1.80	3.13	1	C	0
37455		Vieta E	.758	.454	.468	58.3	27.0	6.34	11.02	2	C	0
37455A		Vieta F	.756	.452	.473	57.9	26.9	3.97	6.90	2	C	0
37456		Vieta P	.752	.463	.469	58.0	27.6	4.45	7.73	3	C	0
37456A			.755	.466	.461	58.6	27.8	5.40	9.39	4	C	0
37456B			.750	.464	.471	57.9	27.6	2.93	5.09	3	C	0
37457			.752	.475	.457	58.7	28.4	2.28	3.96	2	C	0
37457A			.754	.470	.459	58.7	28.0	2.65	4.61	2	C	0
37458			.753	.489	.440	59.7	29.3	2.55	4.43	2	C	0
37458A			.754	.487	.441	59.7	29.1	2.65	4.61	2	C	0
37458B			.751	.483	.450	59.1	28.9	2.83	4.92	3	C	0
37458C			.759	.488	.431	60.4	29.2	3.39	5.89	2	C	0
37459		Vieta L	.757	.493	.429	60.5	29.5	4.54	7.89	2	C	0
37459A		Vieta M	.758	.497	.422	60.9	29.8	2.47	4.29	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
37459B			-.758	-.498	+.421	-60.9	-29.9	2.61	4.54	2	C	0
37460	2177	Henry (Paul)	.766	.406	.498	56.9	24.0	23.81	41.39	2f	C	0
37461		Henry (Paul) A	.764	.414	.495	57.1	24.5	4.17	7.25	1	C	0
34761A			.767	.412	.492	57.3	24.3	4.73	8.22	3	C	0
37462			.768	.429	.476	58.2	25.4	5.96	10.36	3	C	0
37463		Henry (Paul) L	.760	.431	.486	57.4	25.5	3.50	6.08	1	C	0
37464			.766	.447	.462	58.9	26.6	3.78	6.57	3	C	0
37464A			.762	.440	.475	58.1	26.1	8.61	14.97	3	C	0
37464B			.762	.443	.472	58.2	26.3	2.47	4.29	2	C	0
37464C		Henry (Paul) N	.764	.441	.471	58.3	26.2	5.02	8.73	2	C	0
37465			.762	.457	.459	58.9	27.2	24.71	42.95	4f	C	0
37465A			.765	.456	.455	59.3	27.1	2.37	4.12	3	C	0
37467			.768	.470	.435	60.5	28.0	4.16	7.23	3	C	0
37467A			.767	.476	.430	60.7	28.4	3.32	5.77	2	C	0
37467B			.766	.472	.436	60.3	28.2	5.30	9.21	5	C	0
37468			.766	.482	.425	61.0	28.8	24.84 35.94	43.18 62.47	5	C	0
37469			.767	.495	.408	62.0	29.7	14.02	24.37	3	C	0
37469A			.769	.490	.411	61.9	29.3	2.09	3.63	2	C	0
37472		Henry (Paul) D	.779	.421	.465	59.2	24.9	3.50	6.08	2	C	0
37473		Henry (Paul) P	.772	.435	.463	59.0	25.8	3.69	6.41	1	C	0
37474			.777	.445	.445	60.2	26.4	22.71	39.47	4f	C	0
37474A			.778	.448	.440	60.5	26.6	6.25	10.86	3f	C	0
37476			.775	.461	.432	60.8	27.5	8.14	14.15	4f	C	0
37476A			.775	.469	.424	61.3	28.0	19.40	33.72	4f	C	0
37477			.774	.479	.414	61.9	28.6	4.62	8.03	3	C	0
37477A			.770	.476	.425	61.1	28.4	2.65	4.61	2	C	0
37478			.773	.485	.409	62.1	29.0	3.50	6.08	2	C	0
37478A			.771	.489	.408	62.1	29.3	2.09	3.63	2	C	0
37478B			.776	.481	.408	62.3	28.8	3.40	5.91	3	C	0
37478C			.770	.486	.413	61.8	29.1	3.57	6.21	2	C	0
37481		Henry (Prosper) C	.786	.416	.457	59.8	24.6	22.71	39.47	3f	C	0
37481A		Henry (Prosper) E	.788	.417	.453	60.1	24.6	2.18	3.79	1	C	0
37482			.783	.429	.450	60.1	25.4	4.73	8.22	3	C	0
37483			.783	.431	.448	60.2	25.5	3.59	6.24	2	C	0
37483A			.780	.439	.446	60.2	26.0	11.96	20.79	4f	C	0
37484		Byrgius S	.788	.442	.429	61.5	26.2	28.45	49.45	4f	C	0
37484A		Byrgius R	.781	.446	.437	60.8	26.5	4.45	7.73	3	C	0
37485			.780	.457	.427	61.3	27.2	6.91	12.01	5	C	0
37485A			.787	.458	.413	62.3	27.3	14.19	24.66	5	C	0
37486			.785	.469	.405	62.7	28.0	12.02	20.89	4	C	0
37487	2222A	Lagrange G	.782	.478	.400	62.9	28.6	9.35	16.25	2	C	0
37487A			.786	.479	.391	63.6	28.6	7.51	13.05	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
37489	2219	Lagrange C	-.786	-.498	+.366	-65.0	-29.9	13.25	23.03	1	c	0
37489A			.785	.492	.376	64.4	29.5	8.18	14.22	4	c	0
37489B			.780	.491	.388	63.6	29.4	3.69	6.41	3	c	0
37490	2048	Byrgius B	.799	.405	.444	60.9	23.9	11.89	20.67	2f	c	0
37490A			.793	.400	.460	59.9	23.6	5.21	9.06	4	c	0
37491			.797	.415	.439	61.2	24.5	20.86	36.26	5f	c	0
37492		Byrgius T	.797	.424	.430	61.6	25.1	2.65	4.61	1	c	0
37492A			.794	.421	.439	61.1	24.9	2.74	4.76	2	c	0
37493			.793	.433	.429	61.6	25.7	5.87	10.20	3	c	0
37493A			.790	.431	.436	61.1	25.5	5.59	9.72	3	c	0
37494			.796	.446	.409	62.8	26.5	14.29 9.51	24.84 16.53	4f	c	0
37496			.793	.460	.399	63.3	27.4	2.47	4.29	2	c	0
37497			.790	.470	.394	63.5	28.0	16.38	28.47	4f	c	0
37498			.797	.484	.361	65.6	28.9	19.87	34.54	4	c	0
37499	2222B	Lagrange H	.797	.492	.350	66.3	29.5	6.08	10.57	1	c	0
37500A			.702	.503	.504	54.3	30.2	4.07	7.07	2	c	0
37500B		Fourier K	.704	.500	.504	54.4	30.0	4.96	8.62	2	c	0
37501		Fourier P	.701	.517	.491	55.0	31.1	4.70	8.17	2	c	0
37504			.705	.540	.460	56.9	32.7	57.52 69.22	99.98 120.31	5	c	0
37504A			.702	.549	.454	57.1	33.3	17.69	30.75	5f	c	0
37509			.703	.596	.388	61.1	36.6	4.23	7.35	2	c	0
37510		Vieta Y	.713	.508	.483	55.9	30.5	7.57 5.05	13.16 8.78	2	c	0
37511			.716	.516	.470	56.7	31.1	8.90	15.47	3	c	0
37512			.713	.520	.470	56.6	31.3	4.69	8.15	3	c	0
37513		Vieta T	.714	.538	.448	57.9	32.5	15.96	27.74	4f	c	0
37514A			.717	.549	.430	59.1	33.3	6.32	10.99	3f	c	0
37515			.712	.554	.431	58.8	33.6	9.97 14.62	17.33 25.41	5f	c	0
37516		Lacroix R	.715	.566	.410	60.1	34.5	9.66	16.79	2f	c	0
37516A			.712	.560	.424	59.2	34.1	4.31	7.49	3	c	0
37518	2235	Piazzi F	.711	.583	.393	61.1	35.7	6.19	10.76	1	c	0
37523			.725	.539	.429	59.4	32.6	3.41	5.93	3	c	0
37523A			.728	.536	.427	59.6	32.4	3.39	5.89	3	c	0
37524			.722	.548	.422	59.7	33.2	4.31	7.49	1	c	0
37524A			.722	.542	.430	59.2	32.8	4.77	8.29	3	c	0
37529			.728	.595	.341	64.9	36.5	2.38	4.14	2	c	0
37530			.736	.504	.452	58.4	30.3	5.48	9.53	3	c	0
37531			.730	.517	.447	58.5	31.1	9.88	17.17	4	c	0
37531A			.732	.510	.452	58.3	30.7	10.58	18.39	4	c	0
37532			.736	.523	.430	59.7	31.5	16.55 23.93	28.77 41.59	4f	c	0
37533			.730	.534	.427	59.7	32.3	3.19	5.54	3	c	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
37537			-.736	-.570	+.365	-63.6	-34.8	3.12	5.42	2	C	0
37540	2191	Vieta A	.742	.506	.440	59.3	30.4	19.67	34.19	2f	C	0
37540A	2192	Vieta B	.748	.508	.427	60.3	30.5	22.83	39.68	3f	C	0
37541			.742	.511	.434	59.7	30.7	2.29	3.98	1	C	0
37542	2218	Lagrange B	.750	.522	.406	61.6	31.5	8.31	14.44	1	C	0
37543			.741	.532	.410	61.1	32.1	10.52	18.29	3	C	0
37543A			.746	.536	.395	62.1	32.4	3.51	6.10	2	C	0
37544		Lagrange T	.744	.543	.389	62.4	32.9	6.49	11.28	2	C	0
37545			.746	.550	.375	63.3	33.4	21.25	36.94	5f	C	0
37545A			.749	.557	.359	64.4	33.8	13.10	22.77	5	C	0
37546			.740	.560	.373	63.3	34.1	3.41	5.93	1	C	0
37547		Piazzi N	.746	.579	.329	66.2	35.4	7.63	13.26	3	C	0
37548			.741	.583	.333	65.8	35.7	11.48	19.95	4	C	0
37548A		Piazzi M	.747	.585	.316	67.1	35.8	3.56	6.19	2	C	0
37549	2229	Piazzi	.748	.590	.304	67.9	36.2	58.14	101.06	4	C	P
37550			.757	.507	.412	61.4	30.5	5.28	9.18	3	C	0
37550A			.755	.503	.421	60.9	30.2	3.45	6.00	1	C	0
37553		Lagrange BA	.757	.531	.381	63.3	32.1	3.69	6.41	2	C	0
37554		Lagrange W	.754	.542	.371	63.8	32.8	29.88	51.94	4f	C	0
37557			.752	.576	.320	66.9	35.2	7.73	13.44	3	C	0
37560			.762	.501	.410	61.7	30.1	5.65	9.82	3	C	0
37560A			.769	.502	.396	62.8	30.1	16.95	29.46	4	C	0
37561			.762	.518	.389	63.0	31.2	7.18	12.48	4	C	0
37561A			.766	.510	.391	62.9	30.7	13.27	23.07	4	C	0
37562			.760	.524	.384	63.2	31.6	13.32	23.15	4	C	0
37563		Lagrange L	.768	.531	.358	65.0	32.1	9.89	17.19	2f	C	0
37563A		Lagrange Z	.760	.538	.365	64.4	32.5	7.21	12.53	2	C	0
37567			.768	.577	.278	70.1	35.2	5.94	10.32	3	C	0
37568			.761	.584	.283	69.6	35.7	3.97	6.90	3	C	0
37568A			.764	.585	.272	70.4	35.8	12.59	21.88	4	C	0
37569			.761	.593	.263	70.9	36.4	15.85	27.55	3	C	0
37570			.777	.502	.380	63.9	30.1	18.47	32.10	4	C	0
37572			.772	.520	.366	64.7	31.3	3.88	6.74	3	C	0
37574		Lagrange F	.775	.543	.323	67.4	32.9	6.34	11.02	2	C	0
37575	2222C	Lagrange J	.773	.560	.298	68.9	34.1	4.10	7.13	1	C	0
37579			.775	.592	.221	74.1	36.3	4.86	8.45	2	C	0
37580			.788	.507	.349	66.1	30.5	2.18	3.79	2	C	0
37580A			.788	.509	.346	66.3	30.6	4.45	7.73	2	C	0
37580B			.780	.506	.368	64.7	30.4	5.22	9.07	4	C	0
37581			.780	.514	.357	65.4	30.9	4.64	8.07	3	C	0
37583	2217	Lagrange A	.789	.537	.299	69.3	32.5	3.28	5.70	1	C	0
37583A			.787	.535	.307	68.7	32.3	5.73	9.96	3	C	0
37583B			.780	.531	.331	67.0	32.1	12.55	21.81	4	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
37584			-.784	-.540	+.306	-68.7	-32.7	3.76	6.54	2	C	0
37584A			.788	.548	.281	70.4	33.2	33.82	58.78	4	C	0
37585			.784	.554	.280	70.3	33.6	2.48	4.31	2	C	0
37587	2220	Lagrange D	.781	.573	.248	72.4	35.0	6.57	11.42	1	C	0
37590			.798	.500	.336	67.1	30.0	4.45	7.73	3	C	0
37590A			.798	.507	.326	67.8	30.5	2.48	4.31	3	C	0
37591			.797	.516	.314	68.5	31.1	5.24	9.11	3	C	0
37591A			.799	.511	.317	68.4	30.7	5.63	9.79	3	C	0
37592			.798	.522	.301	69.3	31.5	3.27	5.68	2	C	0
37593			.799	.531	.282	70.5	32.1	3.56	6.19	2	C	0
37593A			.799	.535	.275	71.0	32.3	4.25	7.39	2	C	0
37594	2216	Lagrange	.795	.545	.266	71.5	33.0	91.89	159.72	4	C	0
37594A			.793	.549	.264	71.6	33.3	2.97	5.16	2	C	0
37595		Lagrange S	.799	.557	.227	74.2	33.8	4.30	7.47	3	C	0
37598			.796	.582	.166	78.2	35.6	5.95	10.34	2	C	0
37600	2232	Piazzi C	.708	.604	.366	62.7	37.2	15.90	27.64	2	C	0
37603	2230	Piazzi A	.709	.635	.307	66.6	39.4	7.63	13.26	3	C	0
37603A			.705	.638	.310	66.3	39.6	2.78	4.83	3	C	0
37607	2242F	Bouvard K	.704	.671	.233	71.7	42.1	9.91	17.23	2	C	0
37607A			.701	.679	.218	72.7	42.8	4.82	8.38	3	C	0
37608			.708	.682	.183	75.5	43.0	2.48	4.31	2	C	0
37609			.704	.696	.141	78.7	44.1	6.66	11.58	1	C	0
37610			.712	.605	.356	63.4	37.2	2.68	4.66	2	C	0
37611			.711	.618	.335	64.7	38.2	6.34	11.02	3	C	0
37611A			.719	.715	.324	65.8	38.0	2.18	3.79	2	C	0
37612		Piazzi P	.719	.625	.304	67.1	38.7	10.70	18.60	2	C	0
37612A			.713	.624	.320	65.8	38.6	4.55	7.91	1	C	0
37613			.715	.638	.286	68.2	39.6	4.55	7.91	3	C	0
37613A			.715	.634	.295	67.6	39.3	9.41	16.36	4	C	0
37614			.715	.641	.279	68.7	39.9	80.14	139.30	5	C	0
37614A		Piazzi D	.710	.642	.289	67.8	39.9	7.58	13.18	3	C	0
37614B			.711	.644	.282	68.3	40.1	2.67	4.64	2	C	0
37614C			.716	.647	.262	69.9	40.3	3.36	5.84	2	C	0
37614D			.716	.649	.257	70.2	40.5	6.93	12.05	4	C	0
37615			.712	.651	.263	69.7	40.6	2.78	4.83	2	C	0
37615A			.717	.658	.230	72.2	41.1	11.49	19.97	2	C	0
37616	2242E	Bouvard H	.719	.663	.208	73.8	41.5	10.21	17.75	2	C	0
37617	2242C	Bouvard F	.717	.675	.174	76.4	42.5	5.78	10.05	1	C	0
37617A	2242D	Bouvard G	.716	.671	.193	74.9	42.1	10.81	18.79	1	C	0
37617B			.710	.671	.214	73.3	42.1	3.67	6.38	3	C	0
37620	2231	Piazzi B	.726	.609	.319	66.3	37.5	4.13	7.18	1	C	0
37620A			.729	.600	.329	65.7	36.9	8.12	14.11	3	C	0
37620B			.727	.603	.328	65.7	37.1	2.68	4.66	2	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
37621			-.727	-.619	+.297	-67.8	-38.2	12.68 15.65	22.04 27.20	4	C	0
37621A			.722	.612	.323	65.9	37.7	3.66	6.36	2	C	0
37622			.720	.620	.312	66.6	38.3	43.78	76.10	5	C	0
37623			.726	.634	.266	69.8	39.3	5.05	8.78	3	C	0
37625			.729	.650	.215	73.6	40.5	9.71	16.88	3	C	0
37626	2252	Bouvard E	.726	.669	.159	77.6	42.0	6.26	10.88	1	C	0
37627	2242B	Bouvard D	.724	.680	.116	80.9	42.8	14.90	25.90	1	C	?
37627A			.721	.670	.177	76.2	42.1	22.61	39.30	4	C	0
37630		Piazzi K	.736	.607	.300	67.8	37.4	3.96	6.88	1	C	0
37631			.734	.611	.297	68.0	37.7	3.96	6.88	2	C	0
37631A			.738	.611	.286	68.8	37.7	17.53	30.47	4	C	0
37631B			.738	.614	.280	69.2	37.9	4.55	7.91	3	C	0
37632			.732	.629	.262	70.3	39.0	9.02	15.68	2	C	0
37634			.737	.645	.202	74.7	40.2	5.26	9.14	2	C	0
37636	2242	Bouvard B	.734	.666	.133	79.7	41.8	14.60	25.38	2	C	0
37636A			.732	.666	.144	78.9	41.8	7.13	12.39	3	C	0
37637			.737	.675	.035	87.3	42.5	23.15	40.24	2	C	?
37641			.744	.618	.254	71.1	38.2	16.54	28.75	3	C	0
37642			.747	.624	.229	72.9	38.6	4.96	8.62	3	C	0
37643			.746	.633	.207	74.5	39.3	5.64	9.80	3	C	0
37645		Bouvard M	.741	.651	.165	77.5	40.6	39.54	68.73	3	C	p
37646			.745	.660	.097	82.6	41.3	4.41	7.67	2	C	?
37646A			.749	.660	.058	85.5	41.3	12.92	22.46	2	C	?
37651			.751	.613	.245	71.9	37.8	3.57	6.21	2	C	0
37651A			.755	.612	.235	72.7	37.7	5.74	9.98	3	C	0
37652		Bouvard P	.750	.629	.205	74.7	39.0	6.09	10.59	2	C	0
37652A			.750	.621	.228	73.1	38.4	4.66	8.10	3	C	0
37653			.750	.636	.182	76.4	39.5	4.62	8.03	2	C	0
37654			.751	.641	.158	78.1	39.9	4.20	7.30	2	C	0
37662		Bouvard N	.763	.621	.179	76.8	38.4	48.06	83.54	4	C	0
37664	2240	Bouvard	.761	.640	.106	82.1	39.8	103.15	179.29	5	C	?
37670	2242A	Bouvard C	.778	.603	.176	77.2	37.1	7.89	13.71	1	C	0
37700	(2251)	Baade	.702	.705	.101	81.8	44.8	31.77	55.22	1	C	?
38004		Hermann D	.808	.040	.588	54.0	2.3	1.77	3.08	1	pM	0
38008		Flamsteed HB	.800	.086	.594	53.4	4.9	1.80	3.13	2	pM	0
38020		Hermann BA	.825	.004	.565	55.6	0.2	1.72	2.99	1	pM	0
38024	1994	Damoiseau G	.824	.044	.565	55.6	2.5	2.24	3.89	1	pM	0
38028		Damoiseau GA	.823	.089	.561	55.7	5.1	1.86	3.23	1	pM	0
38030		Hermann B	.840	.006	.543	57.1	0.3	2.98	5.18	1	pM	0
38041	1985	Hermann	.842	.015	.539	57.4	0.9	8.91	15.49	1	pM	0
38045		Damoiseau GB	.845	.057	.532	57.8	3.3	(2.24)	(3.89)	1	pM	0
38049	1992	Damoiseau E	.847	.091	.524	58.3	5.2	7.78	13.52	1	pM	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
38057	1996A	Damoiseau L	-.856	-.079	+.511	-59.2	-4.5	7.06	12.27	3f	pM	0
38058			.850	.085	.520	58.5	4.9	4.90	8.52	3f	aM	0
38059			.859	.094	.503	59.6	5.4	(2.48)	(4.31)	2	pM	0
38066	1993A	Damoiseau H	.862	.069	.502	59.8	4.0	20.60	35.81	4f	aMC	0
38068	1995A	Damoiseau K	.866	.084	.493	60.4	4.8	13.25	23.03	4	C	0
38069			.861	.099	.499	59.9	5.7	2.31	4.02	2	pM	0
38069A			.865	.094	.493	60.3	5.4	6.67	11.59	3	C	0
38070		Hermann C	.871	.003	.491	60.6	0.2	(1.58)	(2.75)	1	pM	0
38074	2005	Grimaldi C	.878	.046	.476	61.5	2.6	5.45	9.47	1	pM	0
38078	1986	Damoiseau	.872	.086	.482	61.1	4.9	21.01	36.52	3	C	p
38078A	1995	Damoiseau M	.874	.089	.478	61.3	5.1	33.59	58.38	4	C	0
38081	1977	Lohrmann A	.888	.013	.460	62.6	0.7	6.92	12.03	1	pM	0
38086	2008	Grimaldi F	.886	.069	.459	62.6	4.0	16.57	28.80	3f	C	0
38087		Damoiseau J	.881	.071	.468	62.0	4.1	3.26	5.67	1	C	0
38087A			.881	.078	.467	62.1	4.5	5.29	9.19	3	C	0
38089			.883	.099	.459	62.5	5.7	2.64	4.59	2	C	0
38093		Lohrmann AB	.898	.031	.439	64.0	1.8	3.16	5.49	1	pMC	0
38094			.899	.045	.436	64.1	2.6	4.21	7.32	2	C	0
38115			.814	.150	.561	55.4	8.6	2.55	4.43	3	pMC	0
38119		Sirsalis KA	.815	.194	.546	56.2	11.2	1.85	3.22	1	pM	0
38124	2087	Siralis E	.825	.142	.547	56.5	8.2	41.68	72.45	4f	aM	0
38126			.822	.166	.545	56.5	9.6	2.50	4.35	3	C	0
38128	2092	Sirsalis K	.828	.180	.531	57.3	10.4	3.85	6.69	1	pM	0
38129			.823	.191	.535	57.0	11.0	10.69	18.58	5f	aMC	0
38138		Siralis DA	.832	.181	.524	57.8	10.4	10.13	17.61	4f	aMC	0
38139		Sirsalis KB	.837	.198	.510	58.6	11.4	3.97	6.90	2	C	0
38139A			.835	.198	.513	58.4	11.4	2.36	4.10	3	C	0
38144		Damoiseau BA	.848	.144	.510	59.0	8.3	5.01	8.71	2	C	0
38146			.848	.164	.504	59.3	9.4	3.69	6.41	3	C	0
38147	2086	Sirsalis D	.840	.172	.515	58.5	9.9	19.97	34.71	4f	aMC	0
38147A			.848	.174	.501	59.4	10.0	3.02	5.25	3	C	0
38147B			.848	.170	.502	59.4	9.8	11.17	19.42	4	C	0
38149			.840	.193	.507	58.9	11.1	7.47	12.98	4	C	0
38149A			.849	.197	.490	60.0	11.4	2.23	3.88	2	C	0
38154			.858	.143	.493	60.1	8.2	5.31	9.23	3	C	0
38157		Sirsalis DB	.854	.174	.490	60.1	10.0	2.65	4.61	1	C	0
38159		Sirsalis ZA	.858	.200	.473	61.1	11.5	4.26	7.40	2	C	0
38159A			.859	.197	.473	61.2	11.4	20.34	35.35	5	C	0
38164			.860	.140	.491	60.3	8.0	2.67	4.64	2	C	0
38168	2094	Sirsalis Z	.866	.185	.465	61.8	10.7	49.60	86.21	5	C	0
38170		Damoiseau AB	.872	.106	.478	61.3	6.1	3.37	5.86	2	C	0
38173	1993	Damoiseau F	.876	.137	.462	62.2	7.9	5.16	8.97	2	C	0
38174	(1989)	Damoiseau B	.870	.147	.471	61.6	8.5	7.39 10.62	12.84 18.46	3	C	0

Ref.	B & M	Desigantion	ξ	η	ζ	λ	β	D	K	C	B	CE
38175	1990	Damoiseau C	-.877	-.159	+.453	-62.7	- 9.1	7.56 11.09	13.14 19.28	2	C	0
38175A	(1989)	Damoiseau BB	.870	.151	.469	61.7	8.7	6.81 10.62	11.84 18.46	3	C	0
38178		Sirsalis CA	.878	.186	.441	63.3	10.7	3.02	5.25	2	C	0
38179	2084	Sirsalis B	.880	.192	.434	63.7	11.1	8.87	15.42	2	C	0
38180	1988	Damoiseau A	.881	.109	.460	62.4	6.3	26.75	46.50	3	C	0
38180A		Damoiseau AA	.885	.100	.455	62.8	5.7	3.43	5.96	2	C	0
38181	1991	Damoiseau D	.886	.113	.450	63.1	6.5	9.47	16.46	1	C	0
38181A			.885	.117	.451	63.0	6.7	5.20	9.04	3	C	0
38186		Damoiseau CA	.882	.160	.443	63.3	9.2	4.41	7.67	3	C	0
38186A			.889	.162	.428	64.3	9.3	4.90	8.52	3	C	0
38187	2085	Sirsalis C	.883	.179	.434	63.8	10.3	11.68	20.30	2f	C	0
38188			.887	.181	.425	64.4	10.4	2.94	5.11	1	C	0
38192		Grimaldi G	.898	.128	.421	64.9	7.4	5.98	10.39	1	C	0
38201			.808	.212	.550	55.8	12.2	5.30	9.21	5f	aM	0
38203			.806	.233	.544	56.0	13.5	7.19	12.50	4	C	0
38204			.802	.246	.544	55.8	14.2	2.09	3.63	2	C	0
38205			.805	.252	.537	56.3	14.6	2.08	3.62	2	C	0
38205A			.805	.254	.536	56.3	14.7	2.65	4.61	3	C	0
38206	2107	Fontana B	.802	.267	.534	56.3	15.5	6.14	10.67	3	C	0
38206A			.805	.260	.533	56.5	15.1	2.55	4.43	1	C	0
38207	2105	Fontana	.802	.277	.529	56.6	16.1	18.00	31.29	2	C	0
38208			.800	.287	.527	56.6	16.7	3.50	6.08	3	C	0
38209		Fontana M	.806	.295	.513	57.5	17.2	3.34	5.81	1	C	0
38209A	2109	Fontana D	.805	.292	.516	57.3	17.0	6.16	10.71	3	C	0
38209B			.800	.297	.521	56.9	17.3	9.46	16.44	5	C	0
38212		Fontana K	.819	.229	.526	57.3	13.2	3.88	6.74	1	C	0
38212A	2108	Fontana C	.818	.222	.531	57.0	12.8	7.38	12.83	4f	C	0
38212B			.811	.226	.540	56.4	13.1	6.71	11.66	4	C	0
38213A			.813	.231	.534	56.7	13.4	4.07	7.07	4	C	0
38213B			.813	.233	.534	56.7	13.5	3.31	5.75	4	C	0
38214			.810	.245	.533	56.7	14.2	2.83	4.92	4	C	0
38214A			.810	.248	.531	56.7	14.4	3.78	6.57	4	C	0
38215			.810	.251	.530	56.8	14.5	24.60	42.76	5	C	0
38215A		Fontana HA	.818	.251	.518	57.7	14.5	4.39	7.63	3	C	0
38215B			.812	.250	.527	57.0	14.5	4.42	7.68	4	C	0
38216		Fontana GA	.812	.266	.520	57.4	15.4	3.12	5.42	2	C	0
38216A			.816	.269	.512	57.9	15.6	2.93	5.09	3	C	0
38217			.816	.276	.508	58.1	16.0	2.55	4.43	3	C	0
38217A			.818	.270	.508	58.2	15.7	3.69	6.41	4	C	0
38218		Fontana Y	.814	.287	.505	58.2	16.7	3.05	5.30	1	C	0
38218A			.816	.287	.502	58.4	16.7	23.37 31.04	40.62 53.95	5f	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
38219		Fontana W	-.812	-.296	+.503	-58.2	-17.2	3.50	6.08	1	C	0
38220			.829	.207	.520	57.9	11.9	45.70	79.43	5	C	0
38222			.827	.229	.513	58.2	13.2	2.74	4.76	1	C	0
38223			.826	.230	.515	58.1	13.3	2.37	4.12	2	C	0
38223A			.823	.235	.517	57.9	13.6	5.02	8.73	4	C	0
38224		Fontana H	.821	.242	.517	57.8	14.0	5.02	8.73	3	C	0
38224A		Sirsalis FB	.829	.241	.505	58.7	13.9	3.80	6.60	1	C	0
38225			.828	.258	.498	59.0	15.0	4.54	7.89	4	C	0
38225A			.823	.254	.508	58.3	14.7	29.99	52.13	5	C	0
38226			.820	.267	.506	58.3	15.5	4.73	8.22	3	C	0
38226A			.826	.262	.499	58.9	15.2	3.02	5.25	3	C	0
38226B			.824	.265	.501	58.7	15.4	4.73 4.09	8.22 7.11	4	C	0
38227	2112	Fontana G	.826	.274	.493	59.2	15.9	8.78	15.26	2	C	0
38227A	2111	Fontana F	.830	.279	.483	59.8	16.2	3.73	6.48	1	C	0
38228			.825	.287	.487	59.5	16.7	3.12	5.42	3	C	0
38228A			.822	.289	.491	59.2	16.8	5.11	8.88	4	C	0
38229			.820	.296	.490	59.1	17.2	2.65	4.61	2	C	0
38229A			.826	.299	.478	60.0	17.4	13.25 17.20	23.03 29.90	5	C	0
38230			.837	.202	.509	58.7	11.7	5.02	8.73	3	C	0
38232			.830	.222	.512	58.3	12.8	2.27	3.95	2	C	0
38233	2091	Sirsalis J	.840	.232	.490	59.7	13.4	6.63	11.52	1	C	0
38233A			.837	.239	.492	59.5	13.8	2.55	4.43	2	C	0
38233B			.830	.236	.505	58.7	13.7	2.18	3.79	3	C	0
38234			.834	.241	.496	59.2	13.9	2.93	5.09	2	C	0
38235			.838	.251	.485	60.0	14.5	4.45	7.73	4	C	0
38235A			.836	.255	.486	59.8	14.8	5.68	9.87	5	C	0
38235B			.838	.254	.483	60.0	14.7	2.32	4.03	4	C	0
38235C			.831	.250	.497	59.1	14.5	2.65	4.61	1	C	0
38237			.836	.274	.475	60.4	15.9	2.09	3.63	3	C	0
38237A			.837	.277	.472	60.6	16.1	7.80	13.56	5	C	0
38238			.833	.286	.474	60.4	16.6	8.61	14.97	4f	C	0
38238A			.836	.287	.468	60.8	16.7	6.34	11.02	5	C	0
38238B			.839	.282	.465	61.0	16.4	8.89	15.45	5	C	0
38239			.836	.296	.462	61.1	17.2	10.41	18.09	5	C	0
38241	2082	Sirsalis	.848	.216	.484	60.3	12.5	25.29	43.96	1	C	P
38243	2088	Sirsalis F	.843	.235	.484	60.1	13.6	7.00	12.17	1	C	0
38244		Sirsalis FA	.844	.249	.475	60.6	14.4	4.81	8.36	1	C	0
38244A		Sirsalis FC	.846	.245	.474	60.8	14.2	4.73	8.22	3	C	0
38245			.844	.254	.472	60.8	14.7	2.93	5.09	3	C	0
38245A			.848	.256	.464	61.3	14.8	2.18	3.79	2	C	0
38247			.847	.271	.457	61.6	15.7	5.68	9.87	4	C	0
38247A			.841	.271	.468	60.9	15.7	10.08	17.52	5	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
38247B			-.847	-.275	+.455	-61.8	-16.0	4.73	8.22	4	C	0
38247C			.843	.275	.462	61.3	16.0	9.47	16.46	4	C	0
38248			.843	.282	.458	61.5	16.4	4.73	8.22	3	C	0
38249	2072A	Crüger C	.845	.290	.449	62.0	16.9	6.98	12.13	1	C	0
38249A			.841	.293	.455	61.6	17.0	2.74	4.76	2	C	0
39250			.858	.202	.472	61.2	11.7	3.17	5.51	3	C	0
38252	2083	Sirsalis A	.856	.220	.468	61.3	12.7	28.20	49.02	3	C	0
38253	2089	Sirsalis G	.855	.236	.462	61.6	13.7	20.16	35.04	4	C	0
38253A			.856	.238	.459	61.8	13.8	2.47	4.29	2	C	0
38254	2090	Sirsalis H	.858	.242	.453	62.2	14.0	14.86	25.83	3	C	0
38254A			.858	.248	.450	62.3	14.4	2.18	3.79	2	C	0
38256			.851	.262	.455	61.9	15.2	7.66	13.31	4	C	0
38257	2071	Crüger A	.854	.275	.442	62.7	16.0	13.81	24.00	2f	C	0
38257A			.853	.270	.447	62.4	15.7	2.09	3.63	2	C	0
38258			.856	.289	.429	63.4	16.8	2.36	4.10	2	C	0
38258A			.852	.288	.437	62.8	16.7	2.56	4.45	1	C	0
38260			.861	.206	.465	61.6	11.9	2.47	4.29	2	C	0
38262			.866	.229	.445	62.8	13.2	24.23	42.12	5	C	0
38264			.862	.248	.442	62.8	14.4	2.86	4.97	2	C	0
38264A			.860	.245	.448	62.5	14.2	2.51	4.36	2	C	0
38266		Crüger D	.870	.264	.416	64.4	15.3	6.82	11.85	3	C	0
38268			.861	.284	.422	63.9	16.5	2.56	4.45	2	C	0
38268A			.860	.285	.423	63.8	16.6	25.55 34.65	44.41 60.23	5	C	0
38271		Sirsalis AB	.872	.212	.441	63.2	12.2	7.67	13.33	3	C	0
38271A			.877	.213	.431	63.8	12.3	2.83	4.92	2	C	0
38271B			.871	.216	.441	63.1	12.5	2.66	4.62	2	C	0
38272			.870	.229	.437	63.3	13.2	2.60	4.52	2	C	0
38272A			.870	.227	.438	63.3	13.1	2.09	3.63	2	C	0
38273			.875	.231	.425	64.1	13.4	5.30	9.21	2	C	0
38274		Crüger F	.873	.244	.422	64.2	14.1	4.40	7.65	2	C	0
38274A			.879	.242	.411	64.9	14.0	4.97	8.64	3	C	0
38275			.873	.251	.418	64.4	14.5	8.42	14.64	4f	C	0
38278	2070	Crüger	.880	.287	.378	66.7	16.7	25.79	44.83	2f	C	0
38280			.888	.207	.411	65.2	11.9	4.83	8.40	2	C	0
38280A			.887	.205	.414	65.0	11.8	2.23	3.88	2	C	0
38280B			.881	.205	.426	64.2	11.8	3.87	6.73	3	C	0
38281			.882	.220	.417	64.7	12.7	4.41	7.67	3	C	0
38281A			.888	.213	.408	65.3	12.3	4.21	7.32	3	C	0
38282		Rocca H	.885	.223	.409	65.2	12.9	14.19	24.66	3	C	0
38283	2028	Rocca G	.880	.230	.416	64.7	13.3	8.99 14.26	15.63 24.79	4	C	0
38286			.889	.269	.371	67.4	15.6	8.53	14.83	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
38286A			-.882	-.262	+.392	-66.1	-15.2	3.13	5.44	3	C	0
38287			.889	.279	.363	67.8	16.2	9.51	16.53	4	C	0
38290			.896	.206	.393	66.3	11.9	5.38	9.35	3	C	0
38293	2027	Rocca F	.890	.235	.391	66.3	13.6	13.63	23.69	3	C	0
38293A		Rocca FA	.899	.239	.367	67.8	13.8	5.10	8.86	3	C	0
38299		Crüger BA	.894	.292	.340	69.2	17.0	4.02	6.99	2	C	0
38300	2110	Fontana E	.807	.302	.507	57.8	17.6	7.57	13.16	3f	C	0
38300A			.804	.308	.509	57.7	17.9	6.15	10.69	5	C	0
38301			.804	.311	.507	57.8	18.1	2.08	3.62	2	C	0
38302		de Vico G	.808	.325	.491	58.7	19.0	4.01	6.97	1	C	0
38302A			.806	.325	.495	58.5	19.0	3.31	5.75	2	C	0
38302B			.809	.322	.492	58.7	18.8	2.36	4.10	2	C	0
38303		de Vico GA	.804	.330	.495	58.4	19.3	2.55	4.43	1	C	0
38304		de Vico H	.807	.340	.483	59.1	19.9	3.99	6.94	1	C	0
38305			.803	.352	.481	59.1	20.6	13.34	23.19	5	C	0
38306		de Vico M	.803	.360	.475	59.4	21.1	4.45	7.73	2	C	0
38306A			.804	.360	.473	59.5	21.1	2.28	3.96	2	C	0
38306B			.806	.362	.468	59.8	21.2	3.02	5.25	2	C	0
38307			.804	.378	.459	60.3	22.2	2.55	4.43	2	C	0
38308			.804	.381	.457	60.4	22.4	2.83	4.92	2	C	0
38309			.804	.393	.446	61.0	23.1	22.90	39.80	4f	C	0
38310		de Vico B	.813	.306	.495	58.6	17.8	4.49	7.80	1	C	0
38310A			.817	.303	.491	59.0	17.6	6.91	12.01	4	C	0
38311			.813	.314	.490	58.9	18.3	2.46	4.28	2	C	0
38311A			.812	.317	.490	58.9	18.5	7.00	12.17	3	C	0
38313	2059	de Vico	.817	.338	.467	60.2	19.8	11.07	19.24	1f	C	0
38313A			.814	.332	.477	59.6	19.4	2.37	4.12	2	C	0
38313B			.813	.330	.480	59.5	19.3	2.28	3.96	2	C	0
38314		de Vico P	.818	.348	.458	60.8	20.4	16.95	29.46	4	C	0
38314A		de Vico Y	.814	.348	.465	60.3	20.4	3.59	6.24	1	C	0
38315			.810	.353	.468	60.0	20.7	18.55	32.24	5	C	0
38315A		de Vico X	.812	.350	.467	60.1	20.5	3.31	5.75	1	C	0
38316	2064	de Vico E	.819	.362	.445	61.5	21.2	6.91	12.01	1	C	0
38317			.816	.371	.443	61.5	21.8	2.37	4.12	3	C	0
38317A			.816	.373	.442	61.6	21.9	4.26	7.40	3	C	0
38317B			.813	.378	.443	61.4	22.2	6.91	12.01	4	C	0
38318			.810	.385	.442	61.4	22.6	2.18	3.79	1	C	0
38318A			.813	.383	.439	61.7	22.5	7.29	12.67	4	C	0
38319		Byrgius K	.811	.391	.435	61.8	23.0	7.77	13.51	2	C	0
38321			.821	.310	.479	59.7	18.1	2.18	3.79	2	C	0
38323			.827	.330	.455	61.2	19.3	2.18	3.79	2	C	0
38325	2062	de Vico C	.829	.352	.435	62.3	20.6	6.70	11.65	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
38326	2063	de Vico D	-.824	-.361	+.437	-62.1	-21.2	6.98	12.13	1	C	0
38326A			.824	.366	.433	62.3	21.5	4.26	7.40	4	C	0
38327			.826	.371	.424	62.8	21.8	2.28	3.96	2	C	0
38328			.823	.380	.422	62.8	22.3	13.16	22.87	4	C	0
38328A		Byrgius N	.825	.380	.418	63.1	22.3	11.55	20.08	4f	C	0
38328B			.827	.389	.406	63.9	22.9	3.88	6.74	3	C	0
38329			.820	.393	.416	63.1	23.1	23.67	41.14	5f	C	0
38329A			.829	.395	.396	64.5	23.3	4.73	8.22	3	C	0
38331			.839	.312	.446	62.0	18.2	7.66	13.31	4	C	0
38332	2064A	de Vico F	.839	.327	.435	62.6	19.1	6.90	11.99	1	C	0
38332A		de Vico T	.835	.321	.447	61.8	18.7	24.61	42.78	3f	C	0
38332B			.836	.328	.440	62.2	19.1	4.92	8.55	4	C	0
38333		de Vico R	.832	.333	.444	61.9	19.5	6.46	11.23	2	C	0
38333A			.835	.334	.437	62.4	19.5	4.94	8.59	2	C	0
38333B			.834	.339	.435	62.4	19.8	3.65	6.34	2	C	0
38333C		de Vico N	.830	.339	.443	61.9	19.8	3.14	5.46	1	C	0
38334			.832	.342	.437	62.3	20.0	3.65	6.34	2	C	0
38338		Byrgius P	.831	.385	.402	64.2	22.6	11.17	19.42	4f	C	0
38339	2052	Byrgius E	.840	.398	.369	66.3	23.5	7.82	13.59	2	C	0
38341			.842	.318	.436	62.6	18.5	8.33	14.48	4	C	0
38342	2060	de Vico A	.847	.322	.423	63.5	18.8	18.47	32.10	3	C	0
38342A		de Vico AA	.843	.324	.429	63.0	18.9	6.63	11.52	1	C	0
38342B			.840	.328	.432	62.8	19.1	3.59	6.24	1	C	0
38343		de Vico S	.842	.334	.424	63.3	19.5	5.02	8.73	1	C	0
38344			.845	.347	.407	64.3	20.3	3.78	6.57	4	C	0
38345			.845	.359	.396	64.9	21.0	25.74	44.74	4	C	0
38345A			.843	.350	.408	64.1	20.5	2.18	3.79	2	C	0
38346			.840	.362	.404	64.3	21.2	2.77	4.81	1	C	0
38346A			.848	.366	.383	65.7	21.5	5.73	9.96	4	C	0
38347			.840	.375	.392	65.0	22.0	3.02	5.25	3	C	0
38348			.843	.380	.381	65.7	22.3	4.59	7.98	3	C	0
38350			.853	.306	.423	63.6	17.8	2.56	4.45	2	C	0
38352			.852	.324	.411	64.2	18.9	2.67	4.64	1	C	0
38353			.857	.335	.392	65.4	19.6	37.34 52.41	64.90 91.10	5	C	0
38353A			.857	.337	.390	65.5	19.7	3.12	5.42	3	C	0
38354			.856	.348	.382	65.9	20.4	14.63	25.43	4	C	0
38355			.858	.359	.367	66.8	21.0	5.02	8.73	5	C	0
38356			.855	.363	.370	66.6	21.3	5.63	9.79	3	C	0
38356A			.852	.363	.377	66.1	21.3	5.63	9.79	3	C	0
38356B			.852	.368	.372	66.4	21.6	38.80	67.44	4	C	0
38357			.851	.377	.366	66.8	22.1	2.18	3.79	2	C	0
38357A			.851	.370	.373	66.3	21.7	3.40	5.91	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
38358			-.853	-.381	+.357	-67.3	-22.4	5.21	9.06	2	C	0
38359			.850	.396	.347	67.8	23.3	3.75	6.52	2	C	0
38359A			.854	.390	.344	68.0	23.0	2.77	4.81	1	C	0
38360	2073A	Crüger E	.865	.301	.401	65.1	17.5	8.11	14.10	2	C	0
38361		Crüger H	.863	.310	.399	65.2	18.1	3.36	5.84	2	C	0
38362			.861	.326	.390	65.6	19.0	2.56	4.45	1	C	0
38363			.864	.332	.379	66.3	19.4	4.07	7.07	1	C	0
38363A			.865	.337	.372	66.7	19.7	5.02	8.73	3	C	0
38368	2049	Lamarck B	.863	.389	.322	69.5	22.9	4.12	7.16	2	C	0
38368A			.867	.381	.321	69.7	22.4	3.65	6.34	3	C	0
38368B		Lamarck	.864	.389	.320	69.7	22.9	62.68	108.95	5	C	0
38369			.869	.395	.298	71.1	23.3	7.27	12.64	3	C	0
38374	2081	Darwin	.878	.343	.334	69.2	20.1	75.70	131.58	3	C	0
38374A			.879	.349	.325	69.7	20.4	3.95	6.87	2	C	0
38375		Darwin H	.870	.357	.340	68.6	20.9	16.32	28.37	4	C	0
38376			.876	.362	.319	70.0	21.2	15.42	26.80	4	C	0
38376A		Darwin G	.878	.366	.308	70.6	21.5	12.21	21.22	3	C	0
38376B			.870	.369	.327	69.4	21.7	4.45	7.73	2	C	0
38379			.877	.393	.276	72.5	23.1	6.34	11.02	3	C	0
38379A			.875	.398	.276	72.5	23.5	3.46	6.01	2	C	0
38380		Crüger G	.881	.307	.360	67.8	17.9	4.35	7.56	1	C	0
38380A			.887	.308	.344	68.8	17.9	4.63	8.05	2	C	0
38385	2073	Darwin C	.886	.351	.303	71.1	20.5	8.02	13.94	1	C	0
38385A		Darwin F	.883	.358	.304	71.0	21.0	10.39	18.06	3	C	0
38385B			.881	.355	.313	70.5	20.8	3.51	6.10	3	C	0
38386			.888	.360	.286	72.1	21.1	12.55	21.81	3	C	0
38387		Darwin A	.889	.371	.268	73.2	21.8	11.77	20.46	2	C	0
38387A			.887	.374	.271	73.0	22.0	5.72	9.94	2	C	0
38388			.883	.387	.266	73.3	22.8	3.66	6.36	3	C	0
38389			.880	.393	.267	73.1	23.1	4.84	8.41	3	C	0
38390			.895	.300	.330	69.8	17.5	5.43	9.44	4	C	0
38394		Darwin B	.895	.341	.288	72.2	19.9	29.36 22.42	51.03 38.97	4	C	0
38395			.893	.352	.280	72.6	20.6	2.87	4.99	1	C	0
38396			.891	.362	.274	72.9	21.2	3.76	6.54	2	C	0
38397			.898	.371	.237	75.2	21.8	5.63	9.79	3	C	0
38398			.890	.389	.238	75.0	22.9	3.07	5.34	2	C	0
38399	2038	Eichstadt D	.890	.399	.221	76.1	23.5	4.83	8.40	2	C	0
38400			.802	.407	.437	61.4	24.0	4.54	7.89	2	C	0
38400A			.807	.401	.434	61.8	23.6	13.25	23.03	4f	C	0
38400B			.808	.405	.428	62.1	23.9	2.56	4.45	2	C	0
38401			.801	.417	.430	61.8	24.6	2.83	4.92	3	C	0
38402			.809	.420	.411	63.1	24.8	33.90	58.92	5f	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
38403			-.803	-.434	+.408	-63.0	-25.7	8.99	15.63	4f	C	0
38403A			.800	.432	.416	62.5	25.6	4.59	7.98	3	C	0
38405		Byrgius M	.805	.457	.378	64.8	27.2	2.84	4.94	2	C	0
38405A			.807	.458	.373	65.2	27.3	11.93	20.74	4	C	0
38405B			.803	.454	.386	64.3	27.0	26.80	46.58	5f	C	0
38408			.809	.483	.335	67.5	28.9	3.32	5.77	2	C	0
38409			.801	.490	.344	66.8	29.3	9.79	17.02	3	C	0
38410	2052B	Byrgius H	.812	.403	.422	62.5	23.8	10.42	18.11	3	C	0
38410A			.816	.406	.411	63.2	24.0	5.11	8.88	4	C	0
38411	2047	Byrgius A	.816	.416	.401	63.8	24.6	10.76	18.70	1	C	0
38413		Byrgius X	.819	.434	.375	65.4	25.7	2.87	4.99	1	C	0
38415			.817	.450	.361	66.2	26.7	16.90	29.37	3	C	0
38416			.810	.461	.362	65.9	27.5	4.25	7.39	3	C	0
38416A			.813	.469	.345	67.0	28.0	8.60	14.95	3	C	0
38418		Lagrange X	.819	.480	.314	69.0	28.7	3.97	6.90	1	C	0
38419			.814	.495	.304	69.5	29.7	4.64	8.07	2	C	0
38419A			.812	.492	.314	68.9	29.5	9.10	15.82	3	C	0
38421	2046	Byrgius	.825	.418	.380	65.3	24.7	51.64	89.76	3	C	0
38423			.824	.436	.362	66.3	25.8	3.78	6.57	2	C	0
38425			.820	.453	.350	66.9	26.9	3.26	5.67	2	C	0
38426			.825	.463	.324	68.6	27.6	5.63	9.79	2	C	0
38426A			.827	.464	.317	69.0	27.6	5.73	9.96	2	C	0
38427			.829	.478	.290	70.7	28.6	2.97	5.16	1	C	0
38427A			.827	.477	.298	70.2	28.5	3.37	5.86	2	C	0
38427B		Lagrange Y	.820	.471	.325	68.4	28.1	10.09	17.54	3f	C	0
38428			.822	.486	.297	70.1	29.1	32.63	56.72	5	C	pp
38432			.837	.426	.343	67.7	25.2	5.43	9.44	3	C	0
38433		Byrgius U	.830	.435	.349	67.2	25.8	6.33	11.00	2	C	0
38434		Byrgius V	.832	.440	.338	67.9	26.1	5.44	9.46	1	C	0
38434A		Byrgius W	.836	.440	.328	68.6	26.1	7.81	13.57	3	C	0
38436			.833	.461	.306	69.8	27.5	5.43	9.44	2	C	0
38436A			.830	.460	.315	69.2	27.4	2.67	4.64	2	C	0
38437			.832	.470	.295	70.5	28.0	19.57	34.02	4f	C	0
38438	2221	Lagrange E	.836	.485	.257	72.9	29.0	31.29	54.39	4	C	0
38439			.838	.495	.230	74.7	29.7	9.30	16.16	3	C	0
38440	2051	Byrgius D	.842	.409	.352	67.3	24.1	14.87	25.85	1	C	0
38441			.847	.416	.331	68.7	24.6	4.74	8.24	3	C	0
38442			.849	.420	.321	69.3	24.8	5.01	8.71	3	C	0
38443			.843	.436	.315	69.5	25.8	6.72	11.68	3	C	0
38444			.849	.443	.288	71.3	26.3	5.93	10.31	3	C	0
38445		Lamarck G	.847	.456	.273	72.1	27.1	9.79	17.02	2	C	0
38446			.841	.460	.285	71.3	27.4	5.14	8.93	3	C	0
38447			.846	.471	.250	73.5	28.1	3.96	6.88	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
38452		Lamarck A	-.857	-.423	+.294	-71.0	-25.0	32.12	55.83	4	C	R
38453			.859	.436	.268	72.7	25.8	2.88	5.01	1	C	0
38454			.851	.441	.285	71.5	26.2	5.14	8.93	2	C	0
38455			.856	.455	.245	74.0	27.1	8.70	15.12	3	C	0
38455A		Lamarck F	.858	.450	.248	73.9	26.7	4.64	8.07	3	C	0
38455B			.855	.450	.258	73.2	26.7	3.46	6.01	2	C	0
38455C			.851	.452	.267	72.6	26.9	4.94	8.59	2	C	0
38455D			.854	.450	.261	73.0	26.7	3.76	6.54	2	C	0
38459	(2228)	Krasnov	.854	.499	.147	80.2	29.9	25.26	43.91	2	C	0
38460			.861	.408	.304	70.6	24.1	16.22	28.19	4	C	0
38460A			.866	.405	.293	71.3	23.9	3.66	6.36	2	C	0
38460B			.867	.408	.286	71.7	24.1	3.56	6.19	2	C	0
38460C			.868	.401	.293	71.4	23.6	4.74	8.24	3	C	0
38461			.865	.410	.289	71.5	24.2	3.66	6.36	2	C	0
38462		Lamarck C	.864	.429	.264	73.0	25.4	8.90	15.47	4	C	0
38465		Lamarck E	.866	.451	.216	76.0	26.8	4.60	8.00	1	C	0
38471			.875	.413	.253	73.9	24.4	3.17	5.51	1	C	0
38472		Lamarck D	.871	.425	.246	74.2	25.2	62.42	108.50	4	C	p
38472A			.870	.420	.258	73.5	24.8	2.18	3.79	1	C	0
38475			.873	.452	.183	78.1	26.9	40.94	71.16	5	C	0
38480			.888	.402	.223	75.9	23.7	2.67	4.64	1	C	0
38482			.880	.422	.218	76.1	25.0	4.16	7.23	2	C	0
38486		Wright R	.884	.463	.065	85.8	27.6	20.69	35.96	3	C	?
38490	2038A	Eichstadt E	.895	.406	.185	78.3	24.0	9.96	17.31	1	C	0
38493			.896	.437	.079	85.0	25.9	4.10	7.13	2	C	0
38494		Wright S	.893	.443	.079	84.9	26.3	20.59	35.79	3	C	?
38500			.808	.506	.302	69.5	30.4	2.61	4.54	2	C	0
38501	2222	Lagrange K	.808	.512	.292	70.2	30.8	18.00	31.29	2	C	0
38501A			.808	.518	.281	70.8	31.2	21.85	37.98	4	C	0
38502			.805	.526	.274	71.2	31.7	5.73	9.96	3	C	0
38504			.800	.544	.253	72.4	33.0	3.37	5.86	2	C	0
38504A		Lagrange M	.809	.540	.232	74.0	32.7	9.69	16.84	3	C	0
38508	2241	Bouvard A	.806	.586	.083	84.1	35.9	38.95	67.70	2	C	?
38510			.818	.503	.279	71.2	30.2	16.32	28.37	5	C	0
38512			.813	.526	.250	72.9	31.7	3.46	6.01	2	C	0
38513		Lagrange N	.813	.531	.239	73.6	32.1	15.23	26.47	3	C	0
38515			.817	.558	.145	79.9	33.9	6.05	10.52	2	C	0
38520			.820	.504	.271	71.7	30.3	7.66	13.31	4	C	0
38522		Lagrange R	.829	.522	.201	76.4	31.5	80.22	139.43	5	C	?
38526			.824	.562	.072	85.0	34.2	29.43	51.15	3	C	0
38534		Shaler	.836	.544	.072	85.1	33.0	25.33	44.03	2	C	0
38550		Krasnov A	.854	.501	.140	80.7	30.1	4.68	8.13	1	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
38552		Wright	-.850	-.524	+.054	-86.4	-31.6	20.68	35.94	2	C	0
39000	1979	Lohrmann D	.907	.002	.421	65.1	0.1	4.86	8.45	1	pM	0
39001			.905	.017	.425	64.8	1.0	2.36	4.10	2	pM	0
39001A			.908	.014	.419	65.2	0.8	3.04 2.13	5.28 3.70	2	pMC	0
39005			.908	.057	.415	65.4	3.3	3.92	6.81	3	C	0
39006	2007	Grimaldi E	.900	.064	.431	64.4	3.7	7.41	12.88	1	C	0
39006A	2006	Grimaldi D	.908	.064	.414	65.5	3.7	12.81	22.27	3	C	0
39008		Grimaldi Q	.902	.083	.424	64.8	4.8	13.99	24.32	4	C	0
39010			.911	.004	.412	65.6	0.2	4.31	7.49	2	pMC	0
39011			.910	.011	.414	65.5	0.6	2.16	3.75	2	pMC	0
39014		Grimaldi DA	.912	.047	.407	65.9	2.7	4.12	7.16	1	C	0
39014A			.914	.048	.403	66.2	2.8	4.11	7.14	3	C	0
39016			.910	.066	.409	65.8	3.8	4.05	7.04	1	C	0
39020	1976	Lohrmann	.923	.008	.385	67.4	0.5	19.48	33.86	2	C	p?
39023		Lohrmann E	.923	.031	.384	67.4	1.8	3.92	6.81	3	C	0
39023A		Lohrmann EA	.929	.032	.369	68.4	1.8	3.97	6.90	3	C	0
39029	2002	Grimaldi	.925	.091	.369	68.3	5.2	127.66	221.89	4f	C	0
39030		Lohrmann M	.933	.009	.360	68.9	0.5	4.11	7.14	1	C	0
39031	1978	Lohrmann B	.936	.013	.352	69.4	0.7	8.64	15.02	1	C	0
39031A			.933	.018	.359	68.9	1.0	3.99	6.94	2	C	0
39032		Lohrmann BA	.934	.024	.356	69.1	1.4	5.18	9.00	1	C	0
39033			.932	.030	.361	68.8	1.7	3.35	5.82	1	C	0
39035	2004	Grimaldi B	.933	.051	.356	69.1	2.9	12.62	21.94	1	C	0
39041		Lohrmann N	.940	.010	.341	70.1	0.6	3.92	6.81	1	C	0
39041A			.949	.010	.315	71.6	0.6	7.75	13.47	5	C	0
39042		Riccioli G	.946	.023	.323	71.1	1.3	8.77	15.24	1	C	0
39044			.946	.049	.320	71.3	2.8	4.07	7.07	2	C	0
39044A			.948	.047	.315	71.6	2.7	4.07	7.07	2	C	0
39045	2008B	Grimaldi J	.941	.052	.334	70.4	3.0	9.32	16.20	4	C	0
39045A			.942	.052	.332	70.6	3.0	4.21	7.32	1	C	0
39047			.944	.074	.322	71.2	4.2	3.00	5.21	2	C	0
39048	2009	Grimaldi H	.944	.085	.319	71.3	4.9	4.90	8.52	1	C	0
39049	2003	Grimaldi A	.942	.095	.322	71.1	5.5	7.89	13.71	1f	C	0
39050			.953	.007	.303	72.4	0.4	7.75 14.41	13.47 25.05	5	C	0
39050A			.952	.000	.306	72.2	0.0	3.44	5.98	3	C	0
39050B			.953	.002	.303	72.4	0.1	4.31	7.49	3	C	0
39055		Riccioli Y	.956	.053	.289	73.2	3.0	3.92	6.81	2	C	0
39058			.957	.088	.276	73.9	5.0	7.75	13.47	3	C	0
39060			.962	.008	.273	74.2	0.5	20.68	35.94	4	C	0
39062			.968	.020	.250	75.5	1.1	4.12	7.16	2	C	0
39065A	1961	Riccioli	.961	.054	.271	74.2	3.1	87.21	151.58	3	C	p

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
39067		Riccioli A	-.965	-.074	+.252	-75.4	-4.2	8.83	15.35	3	C	0
39067A			.961	.077	.266	74.5	4.4	4.41	7.67	3	C	0
39070			.977	.003	.213	77.7	0.2	10.34	17.97	3	C	0
39074	1967A	Riccioli K	.975	.042	.218	77.4	2.4	16.73	29.08	3	C	0
39074A			.979	.049	.198	78.6	2.8	8.22	14.29	2	C	0
39075			.970	.053	.237	76.3	3.0	6.89	11.98	3f	C	0
39075A			.973	.054	.224	77.0	3.1	8.85	15.38	3	C	0
39076			.972	.060	.227	76.8	3.4	5.01	8.71	3	C	0
39076A			.973	.064	.222	77.2	3.7	2.07	3.60	1	C	0
39080		Riccioli R	.985	.006	.172	80.1	0.3	6.90	11.99	2	C	0
39082			.985	.025	.171	80.2	1.4	28.56	49.64	5	C	0
39086			.982	.060	.179	79.7	3.4	7.58	13.18	3	C	0
39101		Grimaldi GA	.900	.111	.422	64.9	6.4	6.86	11.92	1	C	0
39101A		Grimaldi GB	.903	.116	.414	65.4	6.7	5.29	9.19	1	C	0
39102			.903	.125	.411	65.5	7.2	3.72	6.47	2	C	0
39102A			.900	.120	.419	65.0	6.9	3.62	6.29	2	C	0
39103		Grimaldi N	.909	.132	.395	66.5	7.6	3.62	6.29	1	C	0
39103A			.902	.130	.412	65.5	7.5	5.10	8.86	2	C	0
39104		Grimaldi L	.909	.148	.390	66.8	8.5	9.10	15.82	3	C	0
39107		Rocca W	.906	.178	.384	67.0	10.3	56.45	98.12	5	C	0
39109	2025	Rocca D	.909	.190	.371	67.8	11.0	10.00	17.38	3	C	0
39109A			.909	.196	.368	68.0	11.3	2.85	4.95	2	C	0
39113			.910	.130	.394	66.6	7.5	2.85	4.95	2	pMC	0
39113A		Grimaldi M	.910	.138	.391	66.7	7.9	6.88	11.96	3	C	0
39114	2008A	Grimaldi K	.916	.148	.373	67.8	8.5	5.89 10.80	10.24 18.77	3	C	0
39114A			.911	.143	.387	67.0	8.2	3.93	6.83	3	C	0
39114B			.915	.140	.378	67.5	8.0	3.23	5.61	2	C	0
39115			.918	.155	.365	68.3	8.9	3.96	6.88	2	C	0
39115A			.919	.152	.364	68.4	8.7	4.21	7.32	3	C	0
39116		Grimaldi V	.918	.160	.363	68.4	9.2	9.77	16.98	4	C	0
39117			.912	.178	.370	67.9	10.3	5.49	9.54	2	C	0
39118			.911	.186	.368	68.0	10.7	3.23	5.61	1	C	0
39123		Grimaldi P	.920	.139	.366	68.3	8.0	9.60	16.69	4	C	0
39126		Rocca TA	.929	.163	.332	70.3	9.4	4.02	6.99	1	C	0
39128	2024	Rocca C	.925	.186	.331	70.3	10.7	10.01	17.40	1	C	0
39129			.925	.194	.327	70.5	11.2	4.21	7.32	2	C	0
39129A			.921	.195	.337	69.9	11.2	5.74	9.98	1	C	0
39133		Grimaldi T	.936	.135	.325	70.8	7.8	5.59	9.72	1	C	0
39134		Grimaldi R	.937	.148	.316	71.3	8.5	3.99	6.94	2	C	0
39135		Rocca TB	.931	.158	.329	70.5	9.1	3.92	6.81	2	C	0
39135A			.933	.150	.327	70.7	8.6	2.85	4.95	2	C	0
39136			.933	.163	.321	71.0	9.4	3.03	5.27	3	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
39137		Rocca T	-.932	-.170	+.320	-71.0	- 9.8	9.12	15.85	2f	C	0
39137A		Rocca S	.933	.178	.313	71.5	10.3	5.35	9.30	2	C	0
39138			.933	.189	.306	71.8	10.9	6.91	12.01	3	C	0
39139		Rocca P	.933	.193	.304	72.0	11.1	19.85	34.50	4	C	0
39140		Grimaldi X	.948	.102	.301	72.4	5.9	5.68	9.87	2	C	0
39146			.948	.167	.271	74.1	9.6	6.13	10.65	3	C	0
39146A			.943	.168	.287	73.1	9.7	5.20	9.04	2	C	0
39148			.942	.183	.281	73.4	10.5	3.44	5.98	3	C	0
39149		Rocca R	.940	.194	.281	73.4	11.2	17.30	30.07	4	C	0
39149A			.940	.197	.279	73.5	11.4	4.23	7.35	2	C	0
39149B			.944	.190	.270	74.1	11.0	4.21	7.32	2	C	0
39150		Riccioli U	.951	.101	.292	72.9	5.8	3.24	5.63	2	C	0
39151			.956	.113	.271	74.2	6.5	11.73	20.39	4	C	0
39153			.956	.134	.261	74.7	7.7	29.63	51.50	5	C	0
39154			.954	.142	.264	74.5	8.2	7.36	12.79	3	C	0
39155	1965	Riccioli F	.950	.153	.272	74.0	8.8	14.12	24.54	3	C	0
39156			.955	.169	.244	75.7	9.7	12.11	21.05	5	C	0
39158			.953	.180	.244	75.7	10.4	17.85	31.03	4	C	0
39159			.952	.194	.237	76.0	11.2	25.61	44.51	5	C	0
39160			.966	.109	.234	76.4	6.3	31.12 43.62	54.09 75.82	4	C	0
39162			.969	.122	.215	77.5	7.0	2.27	3.95	2	C	0
39163			.966	.137	.219	77.2	7.9	8.34	14.50	4	C	0
39164		Hartwig B	.965	.147	.217	77.3	8.5	6.18	10.74	2	C	0
39164A			.969	.146	.199	78.4	8.4	17.17	29.84	3	C	0
39170		Hartwig A	.979	.101	.177	79.7	5.8	4.42	7.68	1	C	0
39172			.970	.120	.211	77.7	6.9	5.60	9.73	3	C	0
39174			.977	.149	.153	81.1	8.6	10.79	18.75	3	C	0
39175			.976	.157	.151	81.2	9.0	5.70	9.91	3	C	0
39176		Schlüter A	.978	.160	.134	82.2	9.2	20.10	34.94	2	C	?
39176A			.977	.161	.140	81.9	9.3	4.16	7.23	2	C	0
39177			.970	.170	.174	79.8	9.8	4.62	8.03	3	C	0
39177A			.971	.176	.162	80.5	10.1	7.60	13.21	3	C	0
39180	(1962)	Schlüter	.988	.105	.113	83.5	6.0	52.22	90.77	1	C	P
39181	(1964)	Hartwig	.980	.110	.166	80.4	7.3	46.30	80.48	3	C	0
39200		Rocca BA	.902	.208	.378	67.2	12.0	7.65	13.30	2	C	0
39200A			.904	.202	.377	67.4	11.7	2.68	4.66	1	C	0
39201	2023	Rocca B	.901	.218	.375	67.4	12.6	13.63	23.69	2	C	0
39202A			.909	.220	.354	68.7	12.7	4.20	7.30	2	C	0
39203			.907	.236	.349	69.0	13.7	3.04	5.28	1	C	0
39203A			.908	.234	.348	69.1	13.5	4.41	7.67	3	C	0
39203B		Rocca AB	.909	.230	.348	69.1	13.3	4.51	7.84	3	C	0
39206		Rocca Q	.901	.263	.345	69.0	15.2	30.89	53.69	5	C	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
39206A			-.909	-.264	+.323	-70.5	-15.3	2.90	5.04	1	c	0
39207			.904	.275	.327	70.1	16.0	6.77	11.77	3	c	0
39207A			.904	.279	.324	70.3	16.2	3.95	6.87	3	c	0
39208			.901	.286	.326	70.1	16.6	3.95	6.87	3	c	0
39208A			.902	.283	.326	70.1	16.4	3.46	6.01	3	c	0
39209	2072	Crüger B	.906	.296	.303	71.5	17.2	7.04	12.24	1	c	0
39210	2026	Rocca E	.916	.206	.344	69.4	11.9	26.58	46.20	3	c	p
39212			.917	.221	.332	70.1	12.8	2.95	5.13	2	c	0
39214	2022	Rocca A	.914	.240	.327	70.3	13.9	34.73	60.37	4f	c	0
39215		Rocca M	.914	.252	.318	70.8	14.6	20.39	35.44	4	c	p?
39216			.912	.266	.312	71.1	15.4	13.04	22.67	4	c	0
39219			.913	.290	.287	72.6	16.9	4.94	8.59	2	c	0
39219A			.915	.295	.275	73.3	17.2	2.96	5.14	2	c	0
39220		Rocca N	.922	.200	.332	70.2	11.5	10.78	18.74	3	c	0
39220A			.923	.206	.325	70.6	11.9	4.11	7.14	1	c	0
39220B			.924	.209	.320	70.9	12.1	4.41	7.67	2	c	0
39221		Rocca K	.926	.214	.311	71.4	12.4	5.08	8.83	2	c	0
39224		Rocca L	.926	.243	.289	72.7	14.1	10.25	17.82	1	c	0
39225		Rocca J	.928	.259	.268	73.9	15.0	6.67	11.59	1	c	0
39227			.923	.271	.273	73.5	15.7	2.71	4.71	2	c	0
39227A			.924	.276	.265	74.0	16.0	8.77	15.24	4	c	0
39228		Rocca Z	.929	.281	.241	75.5	16.3	22.50	39.11	5	c	p
39228A			.921	.284	.267	73.9	16.5	27.52	47.83	5	c	0
39228B			.922	.283	.264	74.0	16.4	2.96	5.14	2	c	0
39230			.939	.205	.276	73.6	11.8	5.20	9.04	3	c	0
39232	2021	Rocca	.931	.225	.287	72.8	13.0	45.95	79.87	4	c	0
39236			.930	.262	.258	74.5	15.2	25.61 15.69	44.51 27.27	4	c	0
39240			.942	.201	.269	74.1	11.6	5.59	9.72	3	c	0
39241			.943	.210	.258	74.7	12.1	6.67	11.59	3	c	0
39241A			.946	.214	.243	75.6	12.4	2.46	4.28	1	c	0
39264			.964	.249	.093	84.5	14.4	7.15	12.43	2	c	?
39301			.905	.314	.287	72.4	18.3	25.22 34.44	43.84 59.86	4	c	0
39301A			.906	.312	.286	72.5	18.2	2.67	4.64	1	c	0
39303			.902	.335	.272	73.2	19.6	51.42	89.38	5	c	0
39304			.908	.346	.236	75.4	20.2	3.12	5.42	1	c	0
39307	2037	Eichstadt C	.904	.370	.214	76.7	21.7	8.55	14.86	2	c	0
39307A			.903	.375	.210	76.9	22.0	9.77	16.98	3	c	0
39308	2034	Eichstadt	.904	.385	.186	78.4	22.6	28.31	49.21	1	c	p
39310			.911	.308	.274	73.2	17.9	9.72	16.89	2	c	0
39311			.910	.313	.272	73.4	18.2	6.13	10.65	3	c	0
39313			.916	.330	.228	76.0	19.3	23.73 49.97	41.25 86.86	4	c	0

Ref.	B & M	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
39315	2036	Eichstadt B	-.916	-.353	+.191	-78.2	-20.7	9.67	16.81	3	C	0
39315A			.916	.350	.196	77.9	20.5	4.15	7.21	3	C	0
39315B			.914	.350	.205	77.3	20.5	2.57	4.47	2	C	0
39315C			.911	.358	.205	77.3	21.0	9.17	15.94	3	C	0
39316	2035	Eichstadt A	.911	.364	.194	78.0	21.3	13.30	23.12	3	C	0
39318		Eichstadt G	.912	.381	.152	80.5	22.4	4.84	8.41	1	C	0
39321			.926	.315	.208	77.3	18.4	15.73	27.34	4	C	0
39321A			.923	.315	.221	76.5	18.4	2.38	4.14	1	C	0
39321B			.920	.316	.232	75.9	18.4	15.34 36.32	26.66 63.13	4	C	0
39323			.926	.338	.168	79.7	19.8	2.57	4.47	2	C	0
39332		Eichstadt H	.930	.328	.166	79.9	19.1	5.93	10.31	1	C	0
39341		Eichstadt K	.943	.313	.113	83.2	18.2	7.27	12.64	2	C	0

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"	U	31535
"	V	31524
"	W	31523
"	X	31532
Henry (Paul)		37460
"	A	37461
"	B	37451
"	D	37472
"	J	37358
"	K	37359A
"	L	37463
"	M	37453
"	N	37464C
"	P	37473
Henry (Prosper)		37389
"	C	37481
"	E	37481A
"	G	37388
"	H	37377
"	R	37386
"	S	37375
Herigonius		35243
"	E	35263
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"	G	35216
"	H	35229
"	K	35272
Hermann		38041
"	B	38030
"	BA	38020
"	C	38070
"	D	38004
Herschel		30039
"	C	30058
"	D	30069
"	DA	30068
"	F	30170
"	G	30141
"	H	30150
"	J	30171

Designation		Reference
Herschel	N	30019
"	X	30049
Hesiodus		32449
"	A	32550
"	B	32465
"	C	32540
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"	E	32436
"	U	32468
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"	XA	32456
"	XB	32456A
"	Y	32467
"	Z	32498
Hippalus		34452A
"	A	34490
"	B	34452
"	C	34460
"	D	34480
Huggins		30615
"	A	30624
Inghirami		36723
"	A	36740
"	C	36699
"	F	36716A
"	H	36716
"	K	36726
"	L	36701A
"	M	36701
"	N	36705
"	P	36717
"	Q	36744
"	S	36705A
"	T	35796
"	W	36750
Kies		33444
"	A	33447
"	B	33428
"	C	33493
"	D	32482
"	E	33438
Kircher		32972
"	A	32971

Designation		Reference
Kircher	B	32980
"	C	32931
"	D	32992
"	E	32973
"	F	32951
Klaproth		31953
"	A	31932
"	B	31925
"	C	31913
"	D	31914
"	G	31983
"	H	31993
"	L	32904
"	M	31974
König		33470
"	A	33461
Krasnov		38459
"	A	38550
Kunowsky	C	35030
La Caille	AA	30309
Lacroix		36671
"	A	36577
"	B	36690
"	E	36684
"	F	36665
"	G	36589
"	H	36662
"	J	36672
"	K	36597
"	L	36598
"	M	36578
"	N	36670
"	P	36567
"	R	37516
"	Z	36697
Lagalla		32770
"	F	33700
"	H	33629
"	J	32792A
"	K	32699A
"	M	32792
"	N	33710
"	P	32790

Designation		Reference
Lagalla	T	33703
"	V	32783
Lagrange		37594
"	A	37583
"	B	37542
"	BA	37553
"	C	37489
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"	E	38438
"	F	37574
"	G	37487
"	H	37499
"	J	37575
"	K	38501
"	L	37563
"	M	38504A
"	N	38513
"	R	38522
"	S	37595
"	T	37544
"	W	37554
"	X	38418
"	Y	38427B
"	Z	37563A
Lalande		31047
"	A	31161
"	B	31055
"	C	31019
"	D	31120
"	DA	31039A
"	E	31086
"	F	31074
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"	NB	30099B
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"	T	31039
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Lamarck		38368B
"	A	38452

Designation		Reference
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"	C	38462
"	D	38472
"	E	38465
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Lansberg		34040
"	B	34074
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"	D	35005
"	DA	35016
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"	FB	35042
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"	GA	34091A
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Lassell		31236
"	A	31218
"	B	31227
"	C	31255
"	D	31275
"	E	31361
"	F	32209
"	G	31255A
"	H	31285
"	J	31275A
"	K	31256
"	M	31244
"	S	31341
"	T	31249
Lee		35561
"	A	35562
"	H	35531A
"	M	35459
"	S	35581
"	T	35570
Legentil		32966A
"	A	32916

Designation		Reference
Legentil	D	32936A
"	G	32965
Lehmann		36634
"	A	36623
"	B	36622
"	C	36528
"	D	36643
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Lepaute		34564
"	D	34586
"	E	34568
"	F	34650A
"	K	34566
"	L	34576
Letronne		36168
"	A	36211
"	B	36149
"	C	36118
"	D	36106
"	F	37116
"	FA	37125
"	G	37201B
"	H	37201
"	K	36264
"	L	36274
"	M	36280
"	N	36221
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"	T	36261
Lexell		30558
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"	B	30640
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"	F	30579
"	G	30660
"	H	30569
"	K	30598
"	L	30588
Liebig		36471

Designation		Reference
Liebig	A	36471A
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"	BA	36454
"	BB	36465
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"	FA	36441
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Lippershey		31463
"	K	31474
"	L	31483
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"	N	31451
"	P	31434
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"	T	31472
Loewy		34398
"	A	34397
"	B	34399
"	G	34389
"	H	34388
Lohrmann		39020
"	A	38081
"	AB	38093
"	B	39031
"	BA	39032
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"	E	39023
"	EA	39023A
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"	N	39041
Longomontanus		32746A
"	A	32749
"	B	32719
"	C	31890
"	D	32821
"	E	31798
"	F	32764A
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"	H	32748
"	K	32734
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"	M	32764
"	N	32777

Designation		Reference
Longomontanus	P	32784
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"	R	32769
"	S	32763
"	T	32762
"	U	32738
"	V	32707
"	W	32743
"	X	31789
"	Y	32789
"	Z	32706
Lubiniezky		33380
"	A	34218
"	AB	34301
"	D	33288
"	E	34248
"	EA	34236
"	F	33351
"	G	33236
"	H	33249
Maginus		30766
"	A	30755
"	B	30769
"	C	31708
"	CA	31738A
"	CB	31707
"	D	30724
"	E	30715
"	EA	30717
"	EB	30706
"	F	30795
"	G	30794
"	H	31709
"	J	30736A
"	K	30743
"	L	31705
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"	N	31704
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"	P	31727
"	Q	30727

Designation		Reference
Maginus	R	31715
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"	T	30779
"	U	30793
"	V	30785
"	W	30785A
"	X	30787
"	Y	30798
"	Z	30746
Malapert	A	30918
"	B	30908
Marth		34511
"	K	34419
Mee		34619
"	A	33740
"	B	33760
"	C	33731
"	D	33781
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"	F	34638
"	G	34751
"	H	34659
"	J	34760
"	K	34770
"	L	34679
"	M	33731A
"	N	34771B
"	P	33741
"	Q	34609
"	R	34699
"	S	34678
"	T	34657
"	U	34608
"	V	34771
"	W	34628A
"	X	34646
"	Y	34629
"	Z	34780
Mercator		33488
"	A	34500
"	B	33478
"	C	33498
"	D	33478A

Designation		Reference
Mercator	E	33590A
"	F	33499
"	G	33561
"	K	33530
"	L	33541
"	M	33540
Mersenius		37306
"	B	37335
"	C	36373
"	CA	36364
"	CB	36375
"	CC	36356
"	CD	36354
"	CE	36334
"	D	36369
"	E	36368
"	EA	36368A
"	H	37308
"	J	37345
"	K	37326
"	L	37304A
"	M	36396
"	N	37307
"	P	36394
"	R	36393A
"	S	36392
"	U	37309
"	V	37318
"	W	37319
"	X	36388A
"	Y	36388
"	Z	37325
Miller	C	30601
Montanari		32741
"	D	32761
"	W	32710
Moretus		30934A
"	A	30984
"	C	30955
Mösting		31001
"	A	30095
"	B	31024
"	BA	31025

Designation		Reference
Mösting	C	31043
"	D	30080
"	K	31021
"	L	30051
"	M	30072
"	U	31015
Nasireddin	B	30613
Nasmyth		35727
"	D	35735
"	E	35746
"	F	35716
"	G	35726
Newton		30967B
"	A	30968
"	B	30948
"	C	30966
"	E	31908
"	F	30985
Nicollet		32307
"	B	32314
"	D	31399
Nöggerath		34775
"	A	34764
"	B	34763
"	C	34771A
"	D	34753
"	E	34781
"	F	34784
"	G	34756
"	H	34786
"	J	34794
"	K	35710A
"	L	35710
"	M	35629
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"	P	34743
"	S	35710B
Opelt		32288A
"	E	32299
"	F	33301
"	G	32288
"	H	32287
"	K	32283

Designation		Reference
Opelt	KA	33203
"	KB	33202
Oppolzer		30002
"	A	30000
"	K	30003
Orontius		30654
"	A	30633
"	B	30644
"	C	30651
"	D	30683
"	E	30663
"	F	30652
Palisa		31126A
"	A	31115A
"	C	31113
"	D	31115
"	E	30194
"	P	31126
"	T	31144
"	U	31142
"	W	31105
Palmieri		36448
"	A	36533
"	B	36541
"	C	36530
"	E	36458
"	G	36523
"	H	36532
"	HA	36532A
"	J	36535
Parry		32163
"	A	32176
"	C	32111
"	D	32163A
"	E	32174
"	F	32153
"	L	32150
"	M	32145
Phocylides		35709
"	A	34851
"	AB	34841
"	B	34860
"	C	35707

Designation		Reference
Phocylides	D	34860A
"	E	34872
"	F	34881
"	G	34787
"	J	35821
"	K	34769
"	KA	34768
"	KB	34768A
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"	M	34892
"	N	35708
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"	V	34883
"	X	34797
"	Z	34796
Piazzi		37549
"	A	37603
"	B	37620
"	C	37600
"	D	37614A
"	F	37518
"	G	36694
"	H	36694A
"	K	37630
"	M	37548A
"	N	37547
"	P	37612
Pictet		30698
"	A	30790
"	C	30697
"	D	31701
"	E	31606A
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Pingré		35843B
"	A	34895
"	B	34884
"	C	34895D
"	D	35843A
"	E	35843
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"	G	34894
"	H	35871

Designation		Reference
Pingré	J	34875
"	K	35852C
"	L	35880
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"	MA	36737
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Pitatus		32409
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"	BA	31553A
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"	F	31467
"	G	31479
"	GA	31479A
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"	J	32404
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"	L	31438
"	M	31563
"	N	31561
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"	W	31477B
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"	Y	31459
"	Z	31457
"	ZA	31456

Designation		Reference
Pr. Kelvin	A	34466
"	B	34476B
"	C	34476A
"	D	34486
"	E	34474
"	F	35415
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Proctor		30762
"	A	30783
"	B	30772
"	C	30773
"	D	30771
"	E	30761
"	F	30764
"	G	30753
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Ptolemaeus		30136
"	A	30114
"	B	30113
"	BA	30112
"	C	30157
"	D	30144
"	DA	30143
"	DB	30132
"	E	30177
"	H	30192
"	HA	30191
"	HB	30192A
"	J	30196
"	JA	30186
"	K	30184
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"	L	30165
"	M	30156
"	O	30162
"	P	30159
"	PA	30158
"	PB	30149
"	R	30121B
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"	SA	30116
Puiseux		35456

Designation		Reference
Puiseux	A	35474
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"	C	35451
"	D	35433
"	F	35379
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Purbach		30433
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"	C	30476
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"	P	30454A
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"	U	30435A
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"	W	30433A
"	X	30412
"	Y	31403
"	Z	30442
Ramsden		34544
"	A	34535

Designation		Reference
Ramsden	G	34527
"	H	34538
Réaumur	X	30015
Regiomontanus		30417
"	A	30416
"	B	30458
"	C	30478
"	CA	30478A
"	E	30497
"	F	30436
"	G	30457
"	H	30467
"	J	30429A
"	K	30500
"	M	30439
"	R	30407
"	S	30427
"	T	30447
"	U	30456
"	W	30429
"	Y	30520A
"	Z	30446A
Riccioli		39065A
"	F	39155
"	G	39042
"	K	39074
"	R	39080
"	S	39067
"	U	39150
"	Y	39055
Rocca		39232
"	A	39214
"	AB	39203B
"	B	39201
"	BA	39200
"	C	39128
"	D	39109
"	E	39210
"	F	38293
"	FA	38293A
"	G	38283
"	H	38282
"	J	39225

Designation		Reference
Rocca	K	39221
"	L	39224
"	M	39215
"	N	39220
"	P	39139
"	Q	39206
"	R	39149
"	S	39137A
"	T	39137
"	TA	39126
"	TB	39135
"	W	39107
"	Z	39228
Rost		33803
"	A	33833
"	B	33841
"	D	32883
"	K	33803A
"	M	32892
"	N	32894A
Rutherfurd		31807
"	A	30898
"	B	30898A
"	C	30888
"	D	30869
"	E	30868
Sasserides		31623
"	A	30694
"	B	31643
"	D	30589
"	E	31602
"	F	31634
"	H	31643A
"	J	31624
"	K	30692
"	L	30684
"	M	30691
"	N	30692A
"	P	31641
"	S	31602A
Saussure		30648
"	A	30609
"	B	30657

Designation		Reference
Saussure	C	30700
"	CA	30701
"	E	30720
"	F	30659
Scheiner		32837
"	A	32836
"	B	32876
"	C	32856
"	D	32867
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"	F	32833
"	G	32818
"	H	32853
"	J	32846
"	K	32834
"	L	32931A
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"	P	32838
"	Q	32855
"	R	32814A
"	S	32825A
"	T	32877
"	U	32887
"	V	32897
"	W	33806
"	X	32816
"	Z	32807
Schickard		35780
"	A	35752
"	B	35669
"	C	35771
"	D	35781
"	E	35733
"	F	35734
"	G	36628
"	H	36648
"	J	36720
"	K	36649
"	L	36619
"	M	36619A
"	N	36616
"	P	35648
"	Q	35687

Designation		Reference
Schickard	R	35679
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"	T	35740
"	V	36700
"	W	35790
"	X	35668
"	Y	35773
Schiller		33798
"	A	34713
"	B	34715
"	C	34822
"	D	34831
"	E	34831A
"	F	34737
"	G	33788
"	H	33787
"	J	33786
"	K	34722
"	L	34733
"	M	34734
"	N	33890
"	P	34800
"	R	34739
"	S	33871
"	T	34717
"	W	33881
Schlüter		39180
"	A	39176
Segner		33885
"	A	33894
"	B	34844
"	C	33884
"	E	34844A
"	G	34853A
"	H	33885B
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"	L	33885A
"	M	33856
"	N	33855
Shaler		38534
Short		30936
"	A	30907A
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Designation		Reference
Sirsalis		38241
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"	AB	38271
"	B	38179
"	C	38187
"	CA	38178
"	D	38147
"	DA	38138
"	DB	38157
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"	F	38243
"	FA	38244
"	FB	38224A
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"	H	38254
"	J	38233
"	K	38128
"	KA	38119
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"	T	37196
"	Z	38168
"	ZA	38159
Spörer		30037
"	A	30035
Street		31722
"	A	31703
"	B	31743
"	C	31774
"	D	31745
"	E	31733
"	F	31794A
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"	K	31753
"	L	31747
"	M	31764A
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"	P	31741
"	R	31765A
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"	T	31775

Designation		Reference
Thebit		30367
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"	C	30366
"	CA	30356A
"	CB	30356
"	D	31333
"	E	30379
"	F	30389
"	J	30388
"	K	30369
"	L	30386
"	P	30480
"	Q	30364
"	R	30374
"	S	31412
"	T	30395
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"	W	30348
"	WA	30348A
Turner		32022
"	A	32051
"	B	31081
"	C	32014
"	D	31094
"	F	32042
"	H	32024
"	K	32036
"	L	32015
"	M	32007
"	N	32005
"	Q	32011
Tycho		31648A
"	A	31654
"	B	31679
"	C	31669
"	D	31761
"	E	31677
"	F	31675
"	H	31790A
"	J	31697
"	K	31770
"	P	31751

Designation		Reference
Tycho	Q	32607A
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"	S	32608
"	T	31665
"	U	31675A
"	V	31696
"	W	31698
"	X	31689
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"	Z	32608A
Vieta		37428
"	A	37540
"	B	37540A
"	C	37448
"	D	37416
"	E	37455
"	F	37455A
"	G	37428A
"	H	37428C
"	J	37428D
"	K	37427
"	L	37459
"	M	37459A
"	P	37456
"	R	37454
"	T	37513
"	Y	37510
Vitello		35520
"	A	35556
"	B	34591
"	C	35573
"	D	35544
"	E	35408
"	G	35513
"	H	35574
"	J	35502
"	K	35512
"	L	34592
"	M	34593
"	N	34593A
"	P	35531
"	R	35504
"	S	34591A

Designation		Reference
Vitello	T	35535
"	X	35553
Walter	B	30520
"	C	30511
"	CA	30502
"	E	30514
"	G	30553
"	J	30526
"	K	30515
"	L	30512
"	M	30505A
"	N	30505
"	O	30508
"	W	30534
"	WA	30553A
"	X	30523
Wargentin		35766
"	A	35783
"	B	35778
"	C	35793
"	D	35777
"	E	35787
"	F	35768
"	G	36707
"	H	35783A
"	K	35764A
"	L	35764
"	M	35774
"	P	35755
Weigel		33835
"	A	33815
"	B	33845
"	C	33836
"	D	33854
"	E	33863
"	F	33854A
"	G	33804
"	H	33845A
Weiss		32582
"	A	32570
"	B	32561
"	D	32590
"	E	32581

Designation		Reference
Wichmann		36113
"	A	35192
"	B	36122
"	C	36008
"	D	35089
"	R	36121
Wilhelm		32658
"	A	32760
"	B	32688
"	BA	32688A
"	C	32656
"	D	32626
"	DA	32627
"	E	32629
"	F	32687
"	G	33627
"	GA	33617
"	H	32697
"	J	33636
"	K	32669
"	L	32684
"	M	32619
"	N	32629A
"	O	32618
"	P	32665A
"	Q	32638
"	R	32676
"	S	32676A
"	T	32665
"	U	32666
"	V	32649
"	W	32657
"	WA	32657A
"	X	32655
"	Y	32750
"	Z	32740
Wilson		32933
"	A	32954
"	C	32925
"	E	32945
"	F	32914
Wolf		32368
"	A	32397

Designation		Reference
Wolf	B	32359B
"	C	32420
"	E	32450
"	F	32337
"	G	32368A
"	H	32339
"	S	32366
"	T	32399
Wright		38552
"	R	38486
"	S	38494
Wurzelbauer		32525
"	A	32518
"	B	32507A
"	C	32517
"	D	32549
"	DA	32559
"	E	32548
"	EA	32537
"	F	32558
"	G	32566
"	GA	32546
"	H	32547
"	HA	32537A
"	HB	32537B
"	L	32557
"	M	32533
"	N	32513
"	O	32508
"	P	32507
"	S	32660B
"	T	32660A
"	TA	32660
"	TB	32569
"	W	32514
"	X	32505B
"	Y	32554
"	Z	32513A
Zuchius		33877
"	A	33898
"	B	33888
"	C	33847
"	D	34807

Designation		Reference
Zuchius	E	34817
"	F	34816
"	G	34817A
"	H	34817B
"	J	33879
"	K	33960
Zupus		37259
"	A	37269
"	B	37370
"	C	37289
"	D	37353
"	F	37279
"	K	37257
"	R	37341
"	RA	37332
"	S	37249
"	V	37391
"	X	37372
"	Y	37229
"	Z	37321

Appendix II. Map Locations of Named Craters

Designation	Map
Agatharchides	E6
Alpetragius	D5, D6
Alphonsus	D5, D6
Arzachel	D6
Baade	F7
Bailly	E8
Ball	D7
Bayer	E8
Bettinus	E8
Billy	F5, F6
Birt	D6
Blancanus	D8
Bonpland	D5, D6, E5
Bouvard	F7
Brown	D7
Bullialdus	E6
Byrgius	F6
Cabeus	D8
Campanus	E6
Capuanus	E7
Casatus	D8
Cavendish	F6
Cichus	D7, E7
Clausius	E7
Clavius	D8
Crüger	F6
Cysatus	D8
Damoiseau	F5
Darney	E5, E6
Darwin	F6
Davy	D5
de Gasparis	F6
de Vico	F6
Deluc	D8
Deslandres	D7
Doppelmayer	E6, E7
Drebbel	E7
Drygalski	D8
Dunthorne	E7, E6
Eichstadt	F6
Elger	E7
Epimenides	E7

Designation	Map
Euclides	E5
Flammarion	D5
Flamsteed	F5
Fontana	F6
Fourier	F7, F6
Fra Mauro	D5, E5
Gambart J	D5, E5
Gassendi	E6, F6
Gauricus	D7
Gould	D6
Grimaldi	F5
Gruemberger	D8
Guericke	D5
Haidinger	E7
Hainzel	E7
Hansteen	F5
Hartwig	F5
Hausen	E8
Heinsius	D7
Hell	D7
Henry (Paul)	F6
Henry (Prosper)	F6
Herigonius	E5, E6
Hermann	F5
Herschel	D5
Hesiodus	D6
Hippalus	E6
Huggins	D7
Inghirami	E7, F7, E8
Kies	E6
Kircher	D8
Klaproth	D8
König	E6
Krasnov	F6, F7
Kunowsky C	E8
La Caille AA	D6
Lacroix	F7
Lagalla	D7
Lagrange	F7
Lalande	D5
Lamarck	F6
Lansberg	E5

Designation	Map
Lassell	D6, D5
Lee	E7
Legentil	D8
Lehmann	E7, F7
Lepaute	E7
Letronne	F5, E5
Lexell	D7
Liebig	F6
Lippershey	D6
Loewy	E6
Lohrmann	F5
Longomontanus	D8
Lubiniezky	E6
Maginus	D8
Malapert A	D8
Marth	E7
Mee	E7
Mercator	E6
Mersenius	F6
Miller C	D7
Montanari	D7
Moretus	D8
Mösting	D5
Nasireddin B	D7
Nasmyth	E8
Newton	D8
Nicollet	D6
Nöggerath	E8, E7
Opelt	D6, E6
Oppolzer	D5
Orontius	D7
Palisa	D5
Palmieri	F6, F7
Parry	D5
Phocylides	E8
Piazzi	F7
Pictet	D7
Pingré	E8
Pitatus	D6, D7
Pr. Kelvin A	E6
Proctor	D7
Ptolemaeus	D5
Puiseux	E6

Designation	Map
Purbach	D6
Ramsden	E7
Réaumur X	D5
Regiomontanus	D6
Riccioli	F5
Rocca	F5, F6
Rost	D8, D7
Rutherfurd	D8
Sasserides	D7
Saussure	D7
Scheiner	D8
Schickard	E7
Schiller	E8
Schlüter	F5
Segner	E8
Shaler	F7
Short	D8
Sirsalis	F5
Spörer	D5
Street	D7
Thebit	D6
Turner	D5
Tycho	D7
Vieta	F6
Vitello	E7, E6
Walter B	D7
Wargentin	E8
Weigel	E8
Weiss	D7
Wichmann	E5, F5
Wilhelm	D7
Wilson	D8
Wolf	D6
Wright	F7, F6
Wurzelbauer	D7
Zuchius	E8
Zupus	F6

APPENDIX III. NOTES

Ref.	Remarks
30144	Ptolemaeus D is composed of two craters of diameters 2.3 and 1.9.
30562	Formerly Walter H.
30697	Designation now restricted to S. component.
30700	Designation now restricted to N. component.
30720	Most distinct crater of group.
30835	Formerly Deluc P. 30835E and 30835F comprise 30835 of position catalog.
30845	Designation transferred to more definite formation.
31847C	Designation now restricted to N. component. 31847A and 31847C comprise 31847 of position catalog.
31856C	Designation now restricted to N. component. 31856C and 31856D comprise 31856 of position catalog.
31897	Designation now restricted to N. component.
31974	Formerly Casatus B.
31978	Formerly Casatus G.
31983	Formerly Blancanus B.
32214	Formerly Guericke L.
32602	Formerly Brown.
33011A	May be double.
33668	Formerly Hainzel A.
33731	Formerly Hainzel F.
33731A	Formerly Hainzel M.
33740	Formerly Epimenides A.
33741	Formerly Hainzel P.
33760	Formerly Hainzel E.
33781	Formerly Hainzel D.
34067	Formerly Riphaeus P.
34568	Formerly Ramsden E.
34586	Formerly Ramsden D.
34759	May be double.
34769	Southern component of three.
34876	Formerly Hausen F.
34884	Formerly Hausen B. May be double.
34894	Formerly Hausen G.
34895	Formerly Hausen A.
34895D	Formerly Hausen C.
34896	Formerly Hausen.
35843	Formerly Hausen E.
35843A	Formerly Hausen D.
35850	Formerly Pingré.
35871	Formerly Pingré A.
36264	May be double.
36542A and 36542B	comprise 36542 of position catalog.
36716	Formerly Inghirami F.
37296	Formerly Fontana A.
37500A and 37500B	comprise 37500 of position catalog.
37531	Position can not be determined with precision due to inadequate photography.
37700	Formerly Inghirami D.
38174	Designation now restricted to N. component.
38213A and 38213B	comprise 38213 of position catalog.
38368	Formerly Byrgius F.
38459	Formerly Lagrange F.
39080	Formerly Riccioli A.
39181	Formerly Riccioli E.

N.B. Former designations referred to in the above notes are those of Blagg and Müller's Named Lunar Formations, Vol. I. The grids which are mentioned are those of the Orthographic Atlas of the Moon.

APPENDIX IV. CORRIGENDA

Quadrant III of "Consolidated Catalog of Selenographic Positions"

The following corrections should be applied to the third quadrant of the "Consolidated Catalog of Selenographic Positions" (Comm. L.P.L., No. 11).

Ref.	Corrections
30141	Diameter should read 7.9 x 6.6.
30849	Diameter should read 3.9.
31634	Diameter should read 9.4.
31688	Elliptical. The minor diameter is 4.5.
31715	Diameter should read 3.4.
31774	Elliptical. The minor diameter is 8.6.
31793	Diameter should read 7.4.
32093	Diameter should read 2.0.
32507	Elliptical. The minor diameter is 6.3.
33715	Elliptical. The minor diameter is 7.3.
35734	Diameter should read 9.6.
36697	Diameter should read 7.7.
37377	Diameter should read 3.6.
37394	Diameter should read 4.4.
37617	Diameter should read 5.8.
38175	Elliptical. The minor diameter should read 11.1. The B & M number should read 1990.
38181	The B & M number should read 1991.
38224	Diameter should read 5.0.
38233	Diameter should read 6.6.
38280	Diameter should read 4.8.
38290	Diameter should read 5.4.
38363	Diameter should read 4.1.
38380	Diameter should read 4.4.
39032	Diameter should read 5.2.
39045	Diameter should read 9.3.
39116	Diameter should read 9.8.

The following additions are applicable to Quadrants I and II of this catalog.

Ref.	Designation	ξ	η	ζ	λ	β	D	K	C	B	CE
12669		+.265	+.694	+.669	+21.6	+43.9	42.57	73.99	5	C	?
13031		+.332	+.015	+.943	+19.4	+ 0.9	22.49	39.04	5f	aM	0
14450	Le Monnier L										
14520	Posidonius V	+.428	+.502	+.752	+29.7	+30.1	1.99	3.46	1	C	0
*14860	Endymion J	+.460	+.804	+.377	+50.7	+53.5	38.41	66.76	4f	C	p
15810		+.519	+.808	+.279	+61.7	+53.9	13.65	23.72	3	C	0
20877		-.070	+.870	+.488	- 8.2	+60.5	11.84	20.58	4f	aMC	0
22225		-.222	+.258	+.940	-13.3	+14.9	7.96	13.83	4f	aMC	0
22812		-.216	+.820	+.530	-22.2	+55.1	3.31	5.75	3	pM	0
22878B		-.270	+.880	+.391	-34.6	+61.6	12.11	21.05	4	C	0
22892		-.290	+.822	+.490	-30.6	+55.3	3.45	6.00	3	pMC	0
24295		-.493	+.256	+.623	-30.7	+14.8	8.54	14.84	4f	aMC	0
25509		-.501	+.596	+.628	-38.6	+36.6	14.99	26.05	4f	aMC	0
25509A		-.508	+.595	+.623	-39.2	+36.5	4.50	7.82	4	aMC	0
27488	Lichtenberg AA										
29070		-.972	+.002	+.234	-76.4	+ 0.1	13.36	23.22	4	C	0
29070A		-.972	+.008	+.235	-76.4	+ 0.5	9.40	16.34	3	C	0

* The entry 14860 replaces entry number 14850 in Comm. L.P.L., No. 30.

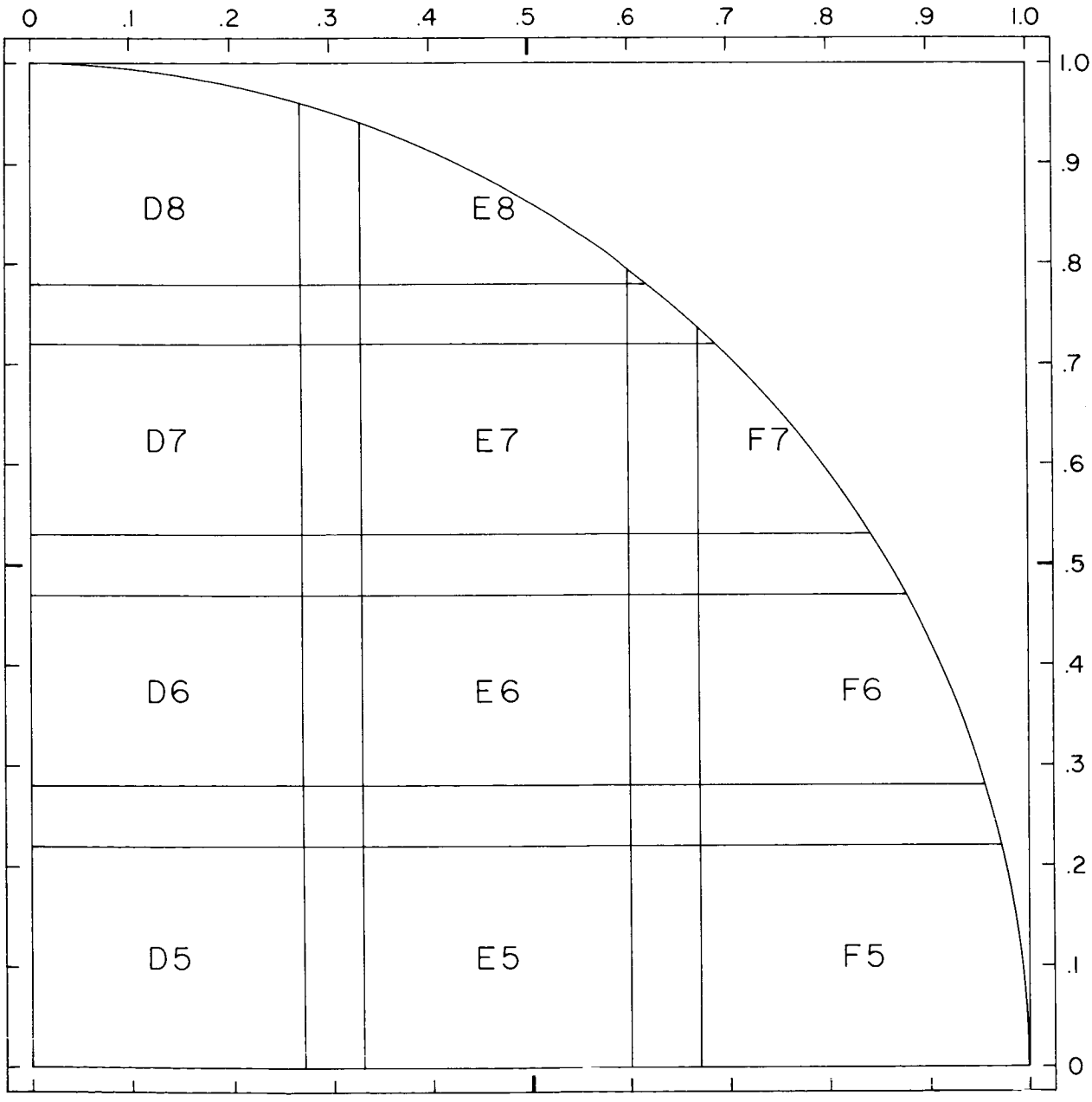
The following corrections are applicable to Quadrants I and II of this catalog.

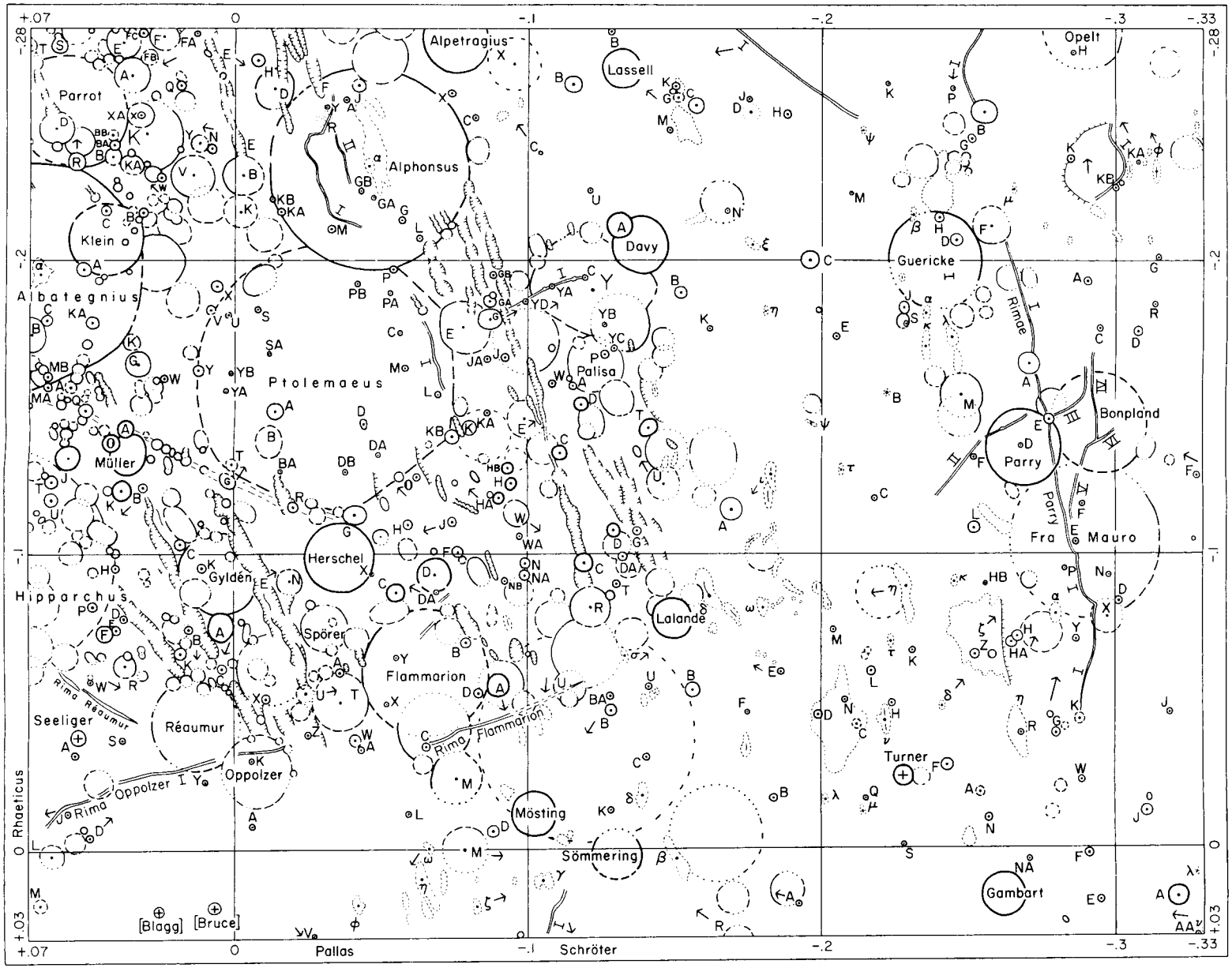
In the map C4 Rima Réaumur I should be Rima Oppolzer I.

In the map D1 the designation Anaxagoras B (-.067 +.942) is missing.

The letter E at -.32 +.54 in Quadrant II of the map "Lunar Designations and Positions" (Arthur and Agnieray) is meaningless and should be deleted.

MAP INDEX

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Guericke
Albategnius
Ptolemaeus
Palisa
Rimae
Bonpland
Müller
Parry
Fra Mauro
Herschel
Gyldén
Hipparchus
Spörer
Lalande
Flammarion
Rima Réaumur
Seeliger
Réaumur
Rima Flammarion
Oppolzer
Rima Oppolzer I
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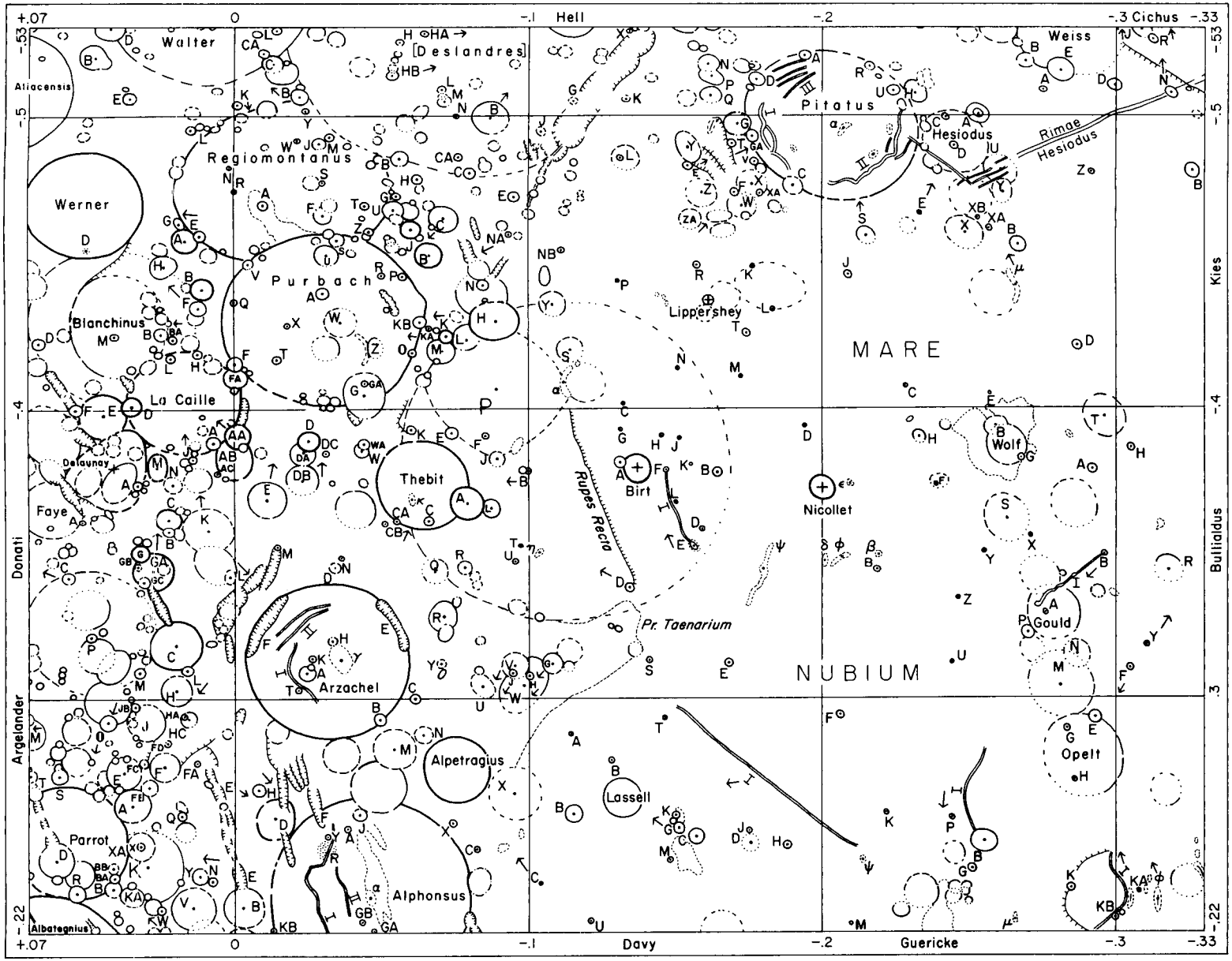
[Bruce]
Pallas
Schröter
O Rhaeticus



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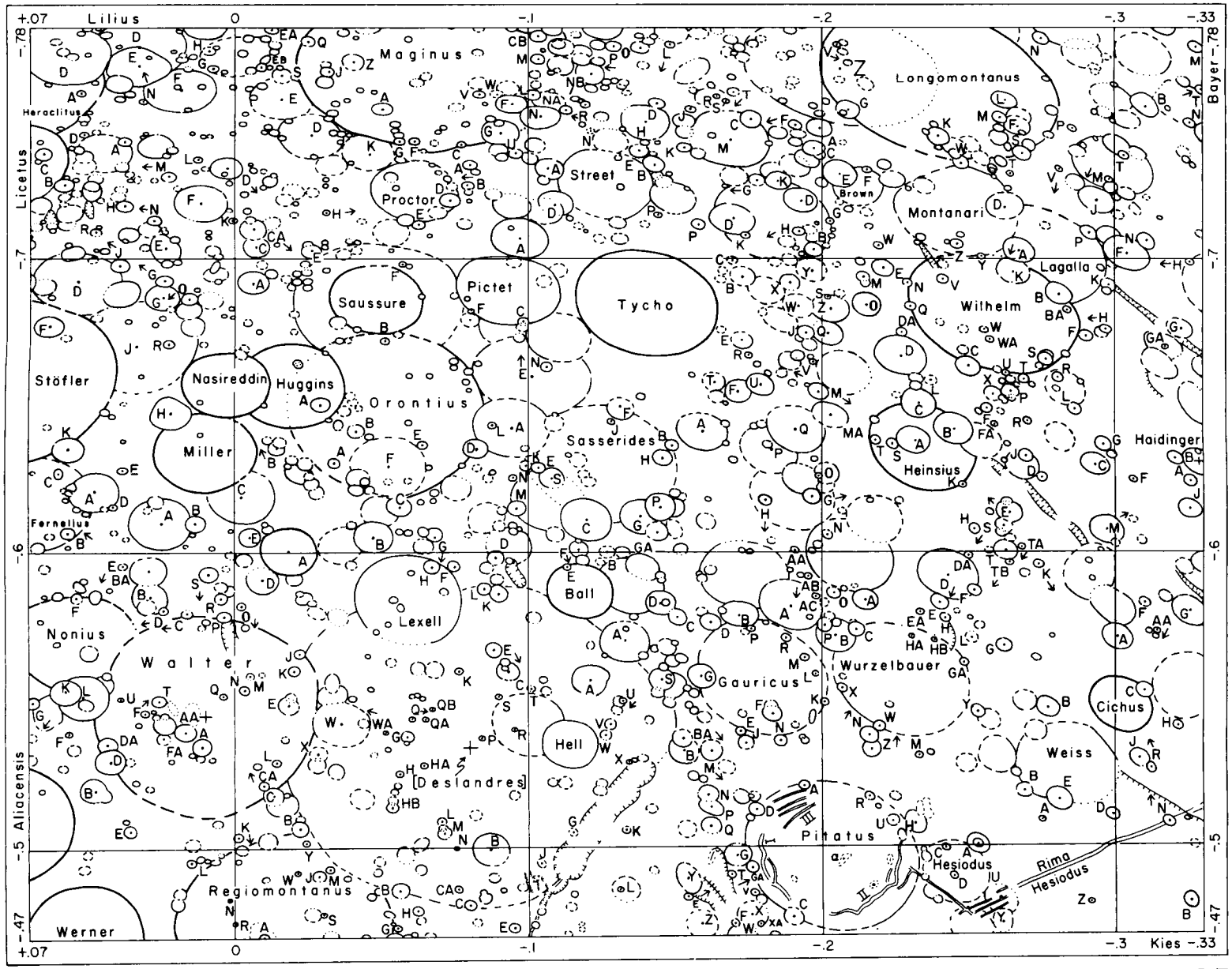

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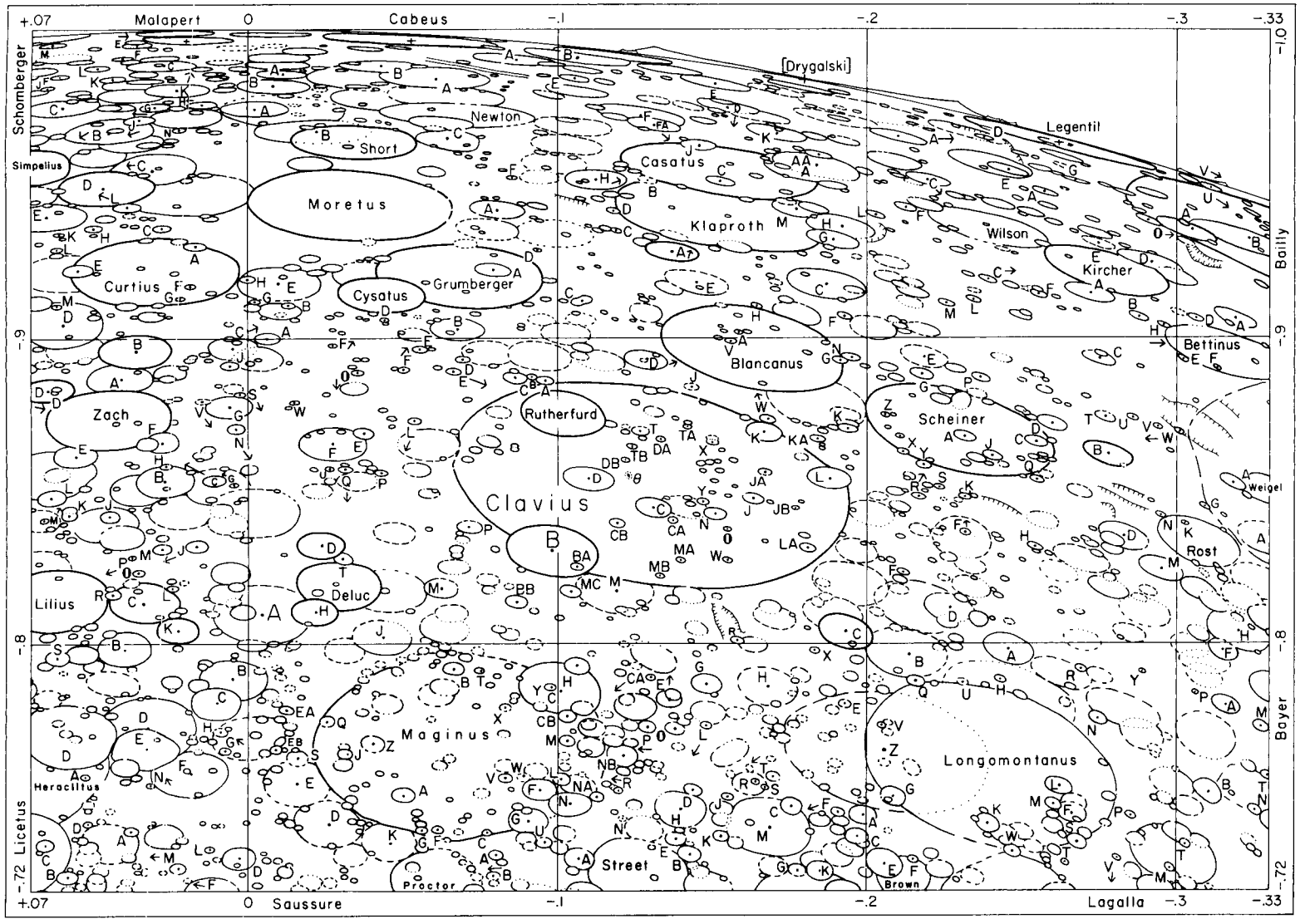

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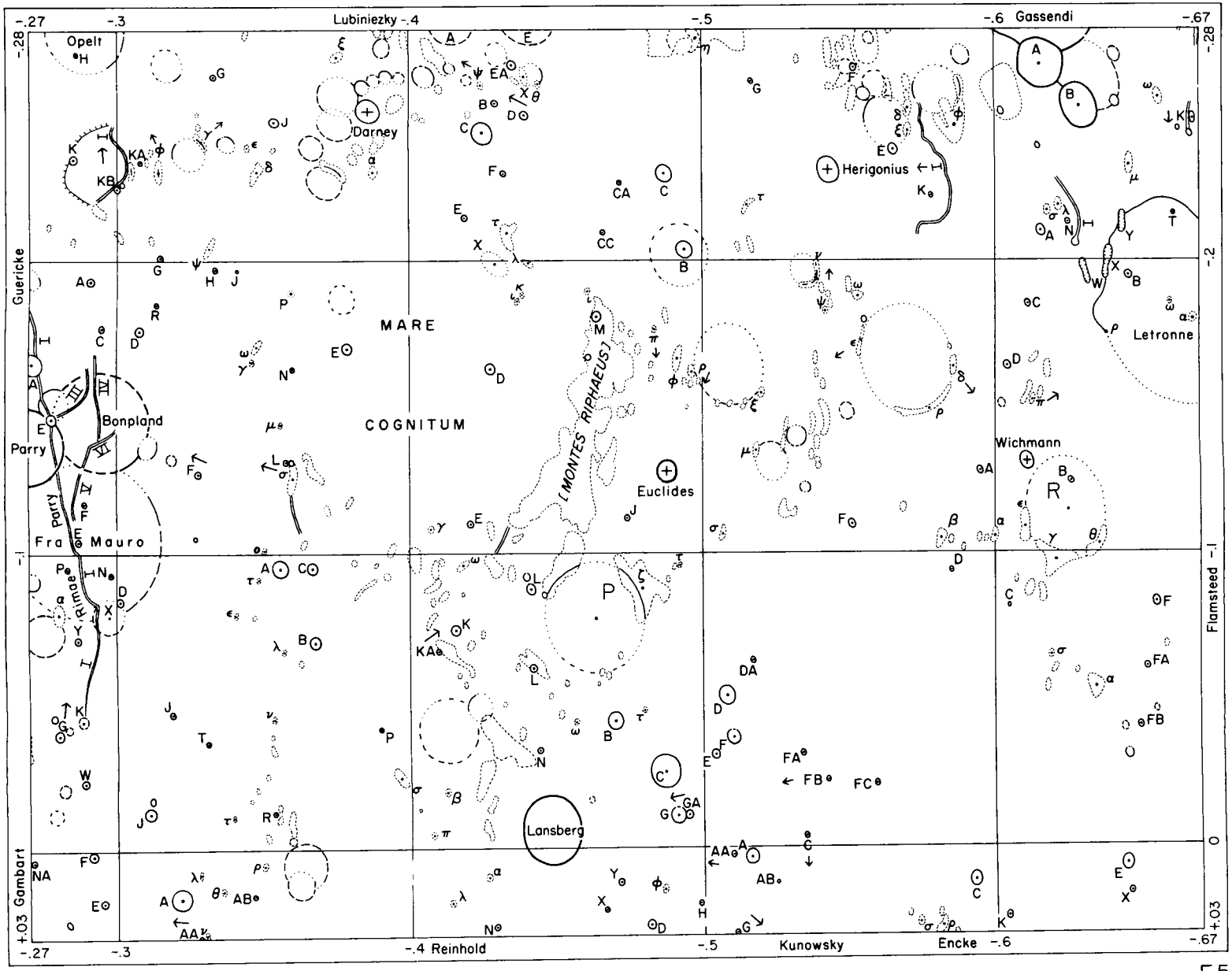

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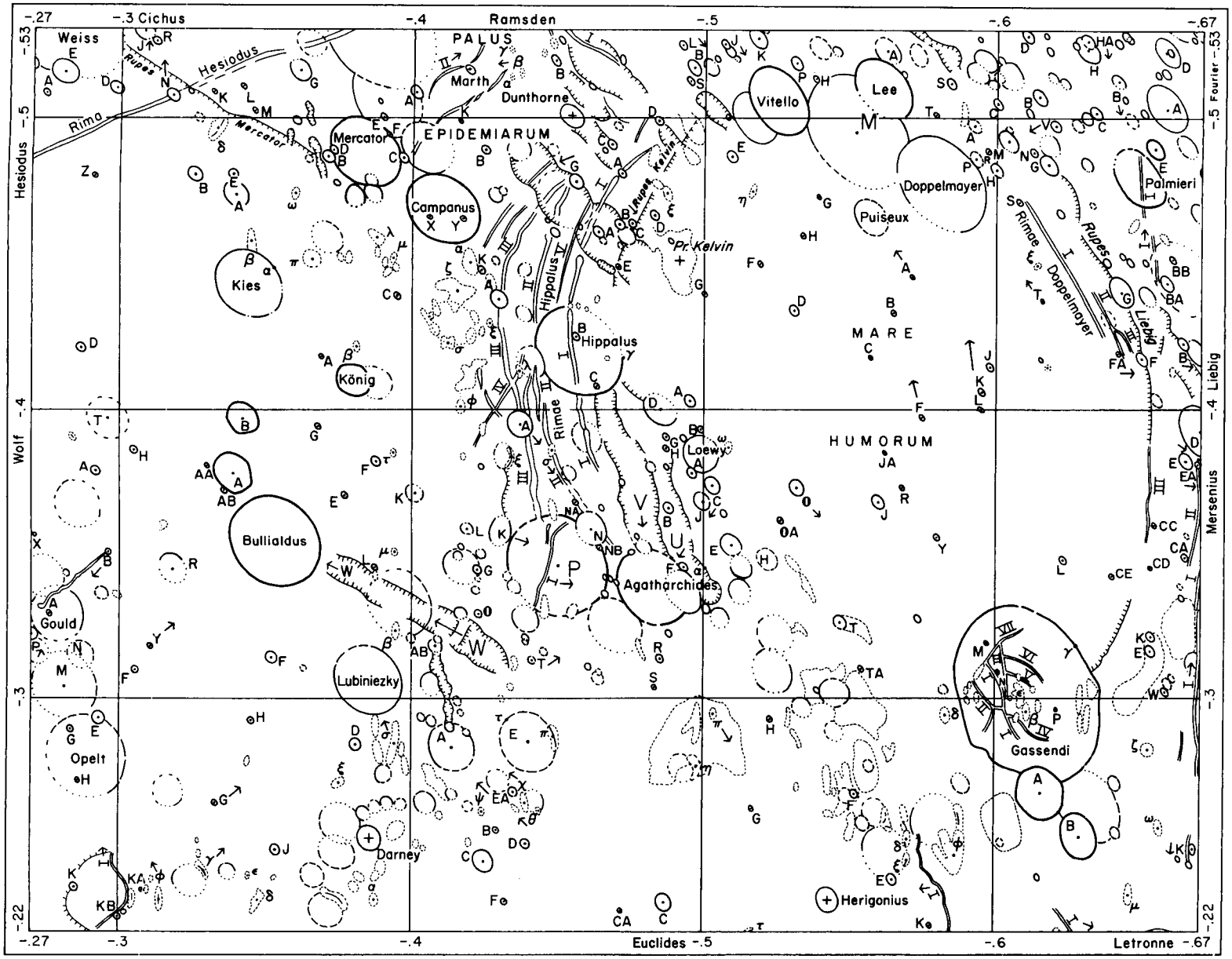

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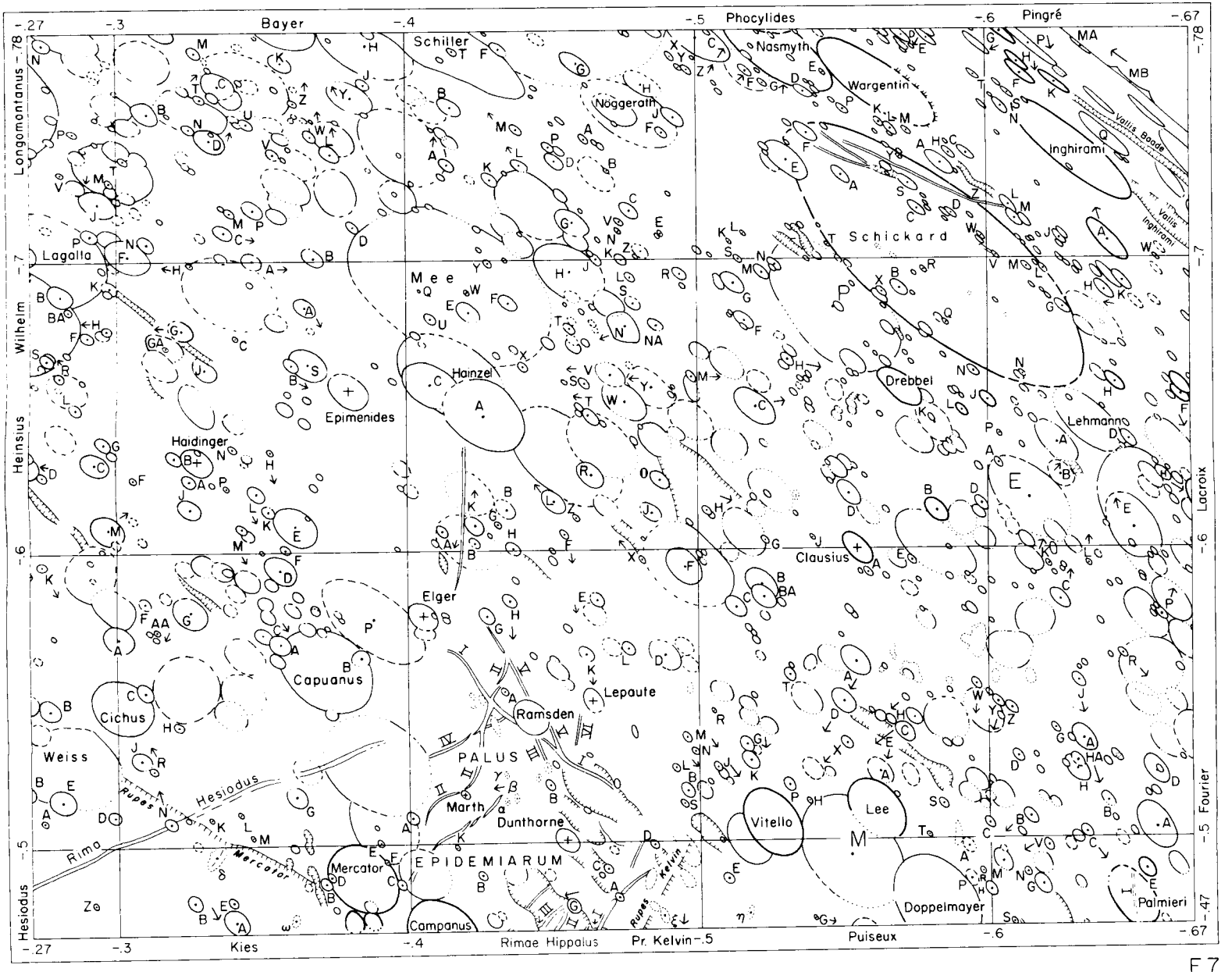

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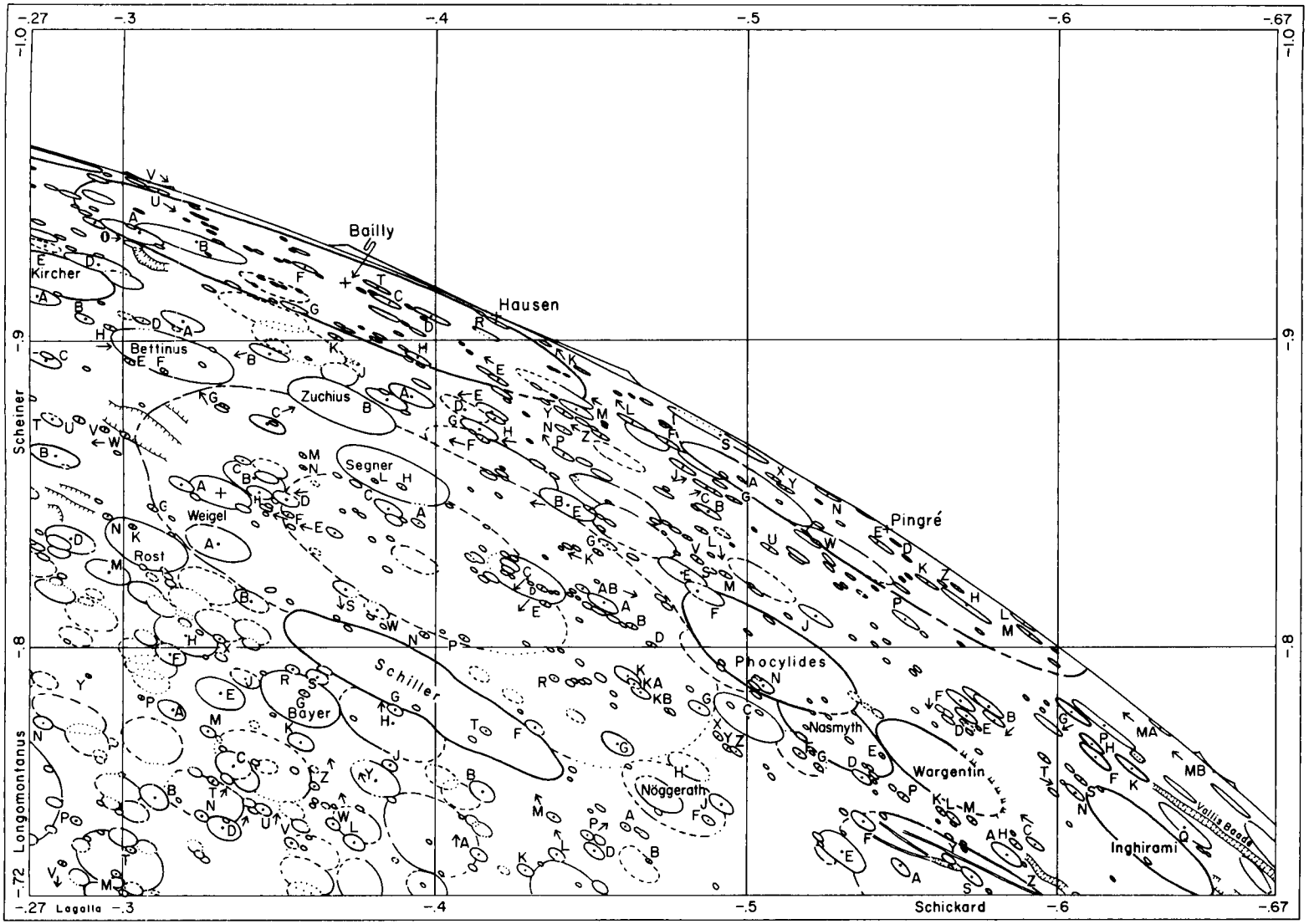

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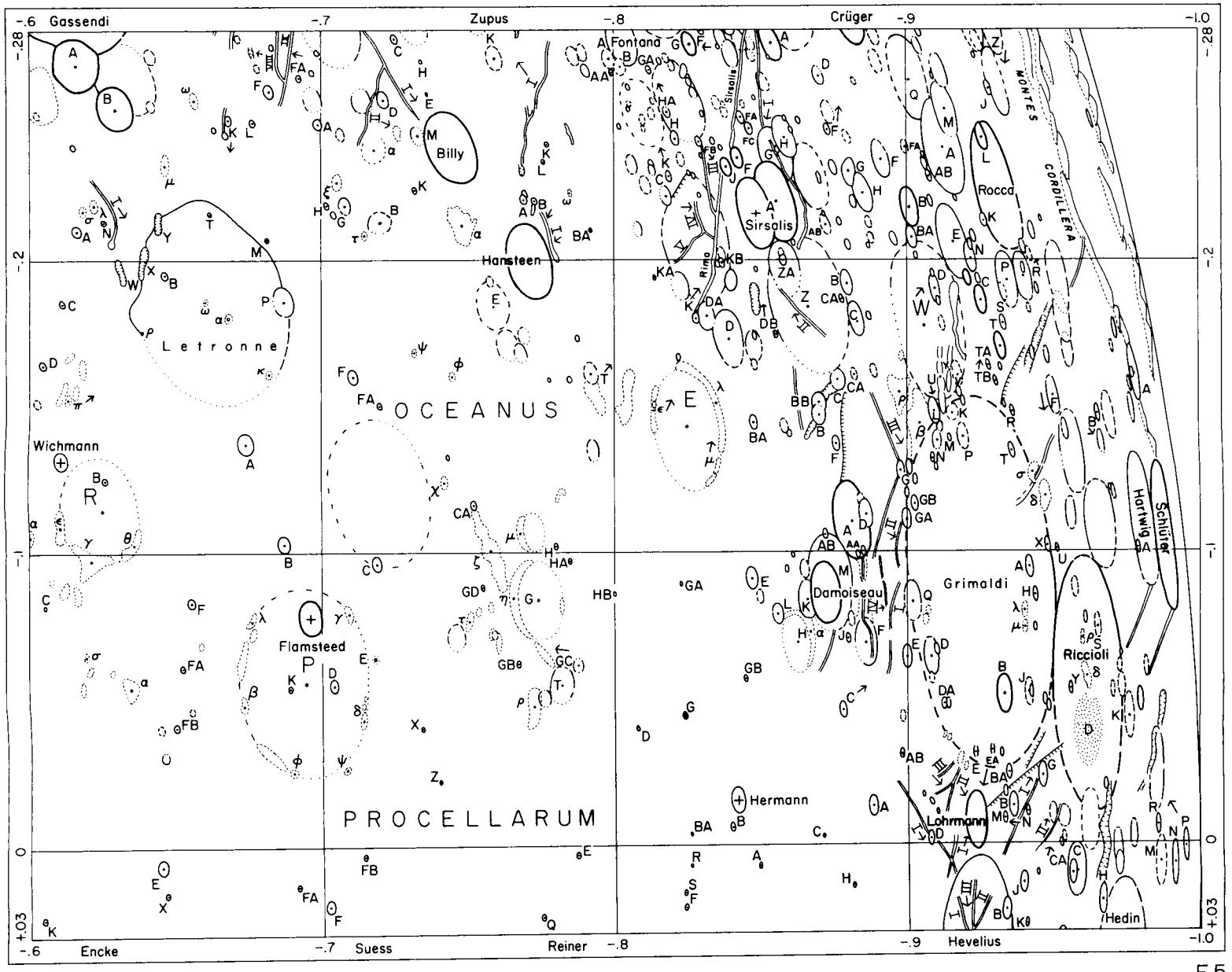

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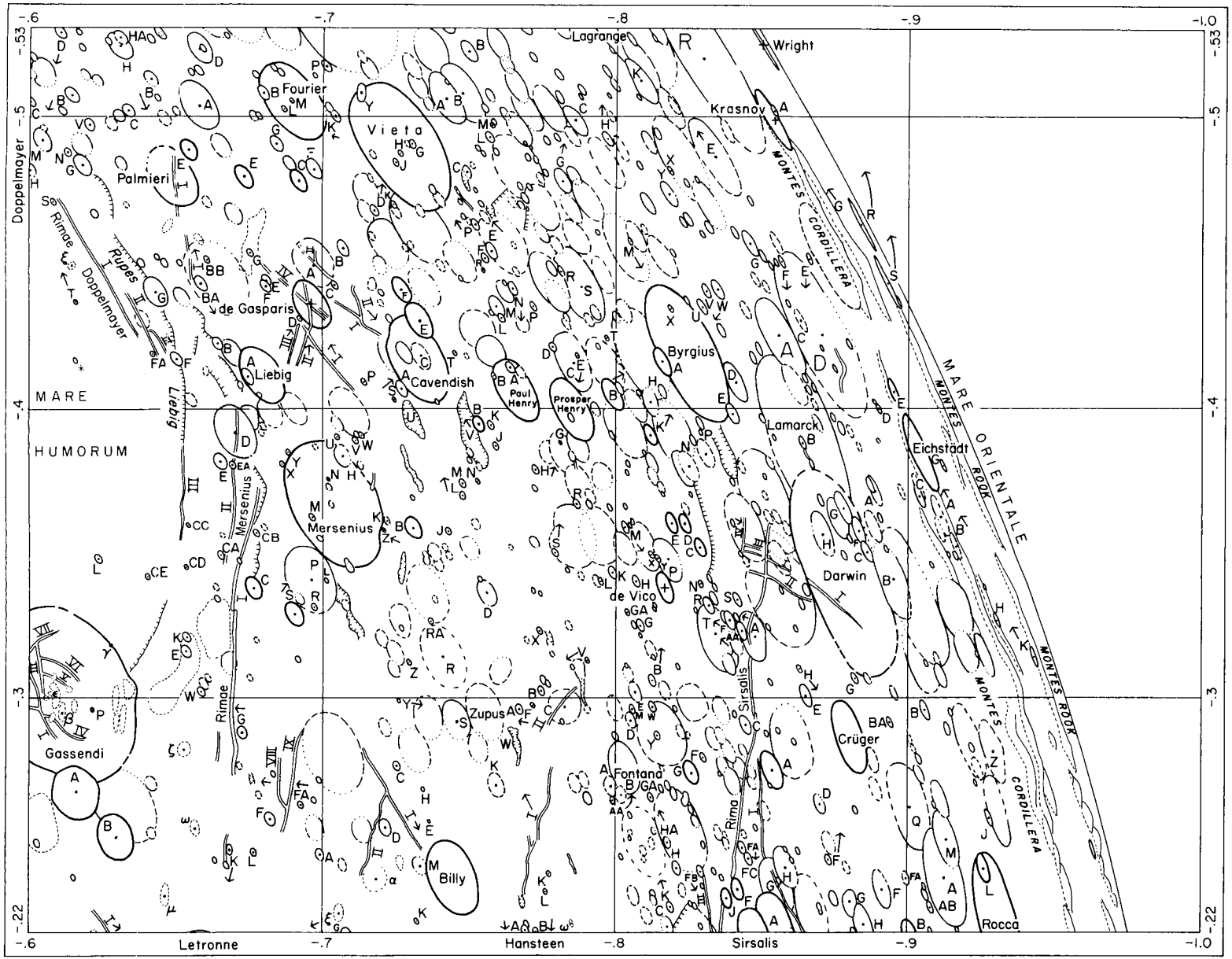
F 5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Liebig
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Paul Henry
Prosper Henry
Byrgius
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Mersenius
Lamarck
Eichstadt
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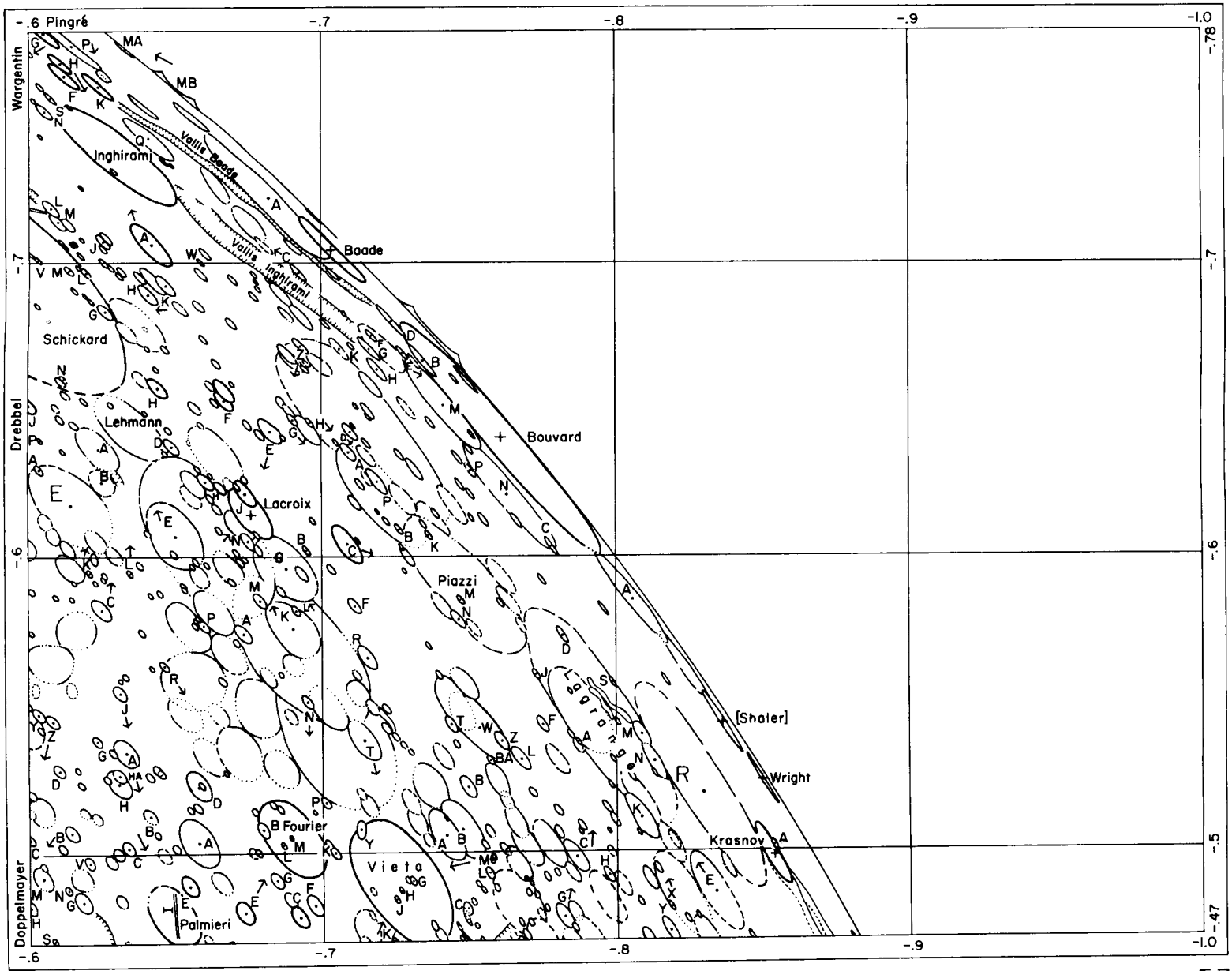

LUNAR NOMENCLATURE

F 7