

Table 2. Physical data of the Flora family asteroids. Objects observed within this survey are marked with boldface, ^A indicates data from AcuA, diameters if not given by AcuA are calculated from MPC absolute magnitude H and albedo, taxonomic types from (Neese 2010) are indicated with ¹, types from SDSS-based Asteroid Taxonomy (Hasselmann et al. 2011) are marked with ², and Alvarez-Candal et al. (2006) marked with ³.

Asteroid	D[km]	H[mag]	A[mag]	p_v	P[h]	f[1/d]	type	HCM	WAM	HCM 2010
8 Flora	138.31 ^A	6.49 ^A	0.11	0.235 ^A	12.865	1.8655	S, Sw ¹	+	+	+
9 Metis	166.48 ^A	6.28 ^A	0.36	0.213 ^A	5.079	4.7253	S ¹			+
43 Ariadne	58.75 ^A	7.93 ^A	0.66	0.347 ^A	5.762	4.1652	S, Sk, Sq ¹	+	+	+
244 Sita	11.60 ^A	12.20 ^A	0.82	0.176 ^A	129.51	0.1853	Sa, Sw ¹			
281 Lucretia	12.27 ^A	12.02 ^A	0.30	0.185 ^A	4.349	5.5183	SU ¹	+	+	
291 Alice	13.19 ^A	11.45 ^A	0.50	0.270 ^A	4.316	5.5607	S ¹	+	+	
298 Baptistina	20.53 ^A	11.00 ^A	0.15	0.170 ^A	16.23	1.4787	X, Xc ¹	+	+	+
315 Constantia	6.089	13.20	0.57	0.25	5.345	4.4902	–	+	+	
352 Gisela	26.76 ^A	10.01 ^A	0.66	0.249 ^A	7.4796	3.2087	S,Sl, SO, Sw ¹	+	+	+
364 Isara	28.78 ^A	9.86 ^A	0.65	0.244 ^A	9.1570	2.6209	S, SO ¹	+		+
367 Amicitia	16.78 ^A	10.70 ^A	0.70	0.343 ^A	5.055	4.7478	S ³		+	
376 Geometria	34.80 ^A	9.49 ^A	0.19	0.235 ^A	7.734	3.1032	S ^{1,2}			+
428 Monachia	21.79 ^A	11.50 ^A	0.25	0.097 ^A	3.6342	6.6039	X ³	+		+
453 Tea	24.07 ^A	10.60 ^A	0.12	0.176 ^A	6.811	3.5237	S ¹	+	+	
540 Rosamunde	19.12 ^A	10.76 ^A	0.60	0.265 ^A	9.349	2.5671	S ¹	+	+	+
553 Kundry	9.93 ^A	12.20 ^A	0.52	0.237 ^A	12.381	1.9200	S ¹	+	+	+
685 Hermia	11.46 ^A	11.80 ^A	0.90	0.280 ^A	50.40	0.4768	S ¹	+	+	+
700 Auravictrix	15.19 ^A	11.20 ^A	0.44	0.263 ^A	6.075	3.9506	S ^{1,3}	+	+	+
711 Marmulla	11.90 ^A	11.90 ^A	0.04	0.224 ^A	2.88	8.3333	A ³	+	+	+
728 Leonisis	7.32	12.80	0.20	0.25	5.5783	4.3024	A,S ^{1,2}	+	+	+
736 Harvard	17.92 ^A	11.64 ^A	0.32	0.122 ^A	6.7	3.5821	S ¹			
770 Bali	16.07 ^A	10.93 ^A	0.65	0.304 ^A	5.8199	4.1238	S ¹			
800 Kressmannia	14.23 ^A	11.61 ^A	0.34	0.202 ^A	4.4610	5.3794	S ¹	+	+	+
802 Epyaxa	8.027	12.60	0.70	0.25	4.389	5.4645	–	+	+	
810 Atossa	8.405	12.50	0.55	0.25	4.385	5.4732	A ³	+		
825 Tanina	13.06 ^A	11.50 ^A	0.50	0.278 ^A	6.9398	3.4583	SR, S ¹	+	+	
827 Wolfiana	15.04	13.20	0.19	0.041	4.0	6.0000	D ³	+		+
836 Jole	5.06	13.6	0.37	0.25	9.615	2.4961	S ²			+
841 Arabella	8.027	12.60	0.25	0.25	3.352	7.1599	–	+	+	+
851 Zeissia	12.81 ^A	11.62 ^A	0.38	0.248 ^A	9.34	2.5696	S ¹	+	+	
864 Aase	5.76 ^A	12.87 ^A	0.20	0.378 ^A	3.2325	7.4246	S ¹	+	+	
883 Matterania	8.027	12.60	0.42	0.25	5.64	4.2553	S ¹	+	+	+
901 Brunisia	11.61 ^A	11.35 ^A	0.27	0.480 ^A	3.136	7.6523	S ¹	+		
905 Universitas	11.84 ^A	11.59 ^A	0.28	0.30 ^A	14.238	1.6856	S ¹	+	+	+
913 Otila	11.32 ^A	11.90 ^A	0.10	0.245 ^A	4.8719	4.9262	Sa, Sw ¹	+	+	+
915 Cosette	12.31 ^A	11.70 ^A	0.52	0.247 ^A	4.4701	5.3690	S ^{1,3}	+	+	+
929 Algunde	10.70 ^A	12.10 ^A	0.14	0.242 ^A	3.310	7.2503	S, Sl ¹	+	+	+
935 Clivia	7.18 ^A	12.90 ^A	0.13	0.247 ^A	3.6222	6.6258	–	+		+
937 Bethgea	12.69 ^A	11.83 ^A	0.20	0.203 ^A	7.539	3.1834	S ¹	+	+	
951 Gaspra	15.68 ^A	11.46 ^A	1.00	0.189 ^A	7.0420	3.4081	S ¹	+	+	+
956 Elisa	8.00	12.1	0.36	0.4	16.50	1.4545	V ¹			+
960 Birgit	6.991	12.90	0.27	0.25	8.85	2.7119	A ³	+		
963 Iduberga	10.38 ^A	12.49 ^A	0.34	0.165 ^A	3.0341	7.9101	S ¹	+	+	
967 Helionape	13.55 ^A	12.10 ^A	0.13	0.142 ^A	3.232	7.4257	–	+	+	+
1016 Anitra	11.08	11.90	0.28	0.25	5.9288	4.0480	S ¹	+	+	+
1055 Tynka	8.95 ^A	12.00 ^A	0.09	0.35 ^A	11.893	2.0180	S ¹	+		
1056 Azalea	13.07 ^A	11.70 ^A	0.72	0.223 ^A	15.03	1.5968	S ¹	+	+	+
1060 Magnolia	7.665	12.70	0.25	0.25	2.9108	8.2452	S ^{1,2}	+	+	+
1088 Mitaka	13.35 ^A	11.39 ^A	0.62	0.276 ^A	3.0353	7.9070	S ¹	+		
1117 Reginita	12.149	11.70	0.30	0.25	2.9464	8.1455	S ^{1,2}			
1120 Cannonia	9.920 ^A	12.80 ^A	0.16	0.137 ^A	3.8160	6.2893	–	+		
1130 Skuld	10.24 ^A	12.10 ^A	0.53	0.244 ^A	4.8079	4.9918	S,Sl ¹	+		
1133 Lugduna	10.47 ^A	12.22 ^A	0.45	0.208 ^A	5.478	4.3812	S ¹	+		
1185 Nikko	12.56 ^A	12.09 ^A	0.50	0.164 ^A	3.79	6.3324	S ¹	+	+	+
1188 Gothlandia	12.11 ^A	11.70 ^A	0.70	0.252 ^A	3.4917	6.8734	S ¹	+	+	+
1219 Britta	11.76 ^A	11.94 ^A	0.73	0.223 ^A	5.5750	4.3049	S ¹	+		
1225 Ariane	9.10 ^A	12.10 ^A	0.36	0.308 ^A	5.5068	4.3582	–	+		
1249 Rutherfordia	15.77 ^A	11.54 ^A	0.65	0.1720 ^A	18.220	1.3172	S ¹	+	+	+
1270 Datura	7.83 ^A	12.50 ^A	0.61	0.291 ^A	3.359	7.1450	S ³	+	+	+
1314 Paula	6.7 ^A	12.68 ^A	0.83	0.377 ^A	5.9498	4.0337	S ¹	+	+	+

Table 2. Continued

Asteroid	D[km]	H[mag]	A[mag]	p_v	P[h]	f[1/d]	type	HCM	WAM	HCM 2010
1324 Knysna	7.32	12.80	0.08	0.25	2.5538	9.3978	Sq ¹	+	+	
1344 Caubeta	7.32	12.80	0.21	0.25	3.1220	7.6874	S ²	+	+	
1376 Michelle	8.405	12.50	0.20	0.25	5.9769	4.0155	—	+	+	
1396 Outenniqua	11.00 ^A	12.00 ^A	0.42	0.237 ^A	3.0810	7.7897	S, Sl ¹	+	+	
1449 Virtanen	10.581	12.00	0.69	0.25	30.495	0.7870	S, Sl ¹	+	+	+
1472 Muonio	9.216	12.30	0.48	0.25	8.7060	2.7567	—	+	+	
1496 Turku	8.801	12.40	0.51	0.25	6.47	3.7094	—	+	+	
1514 Ricouxa	8.027	12.60	0.62	0.25	10.438	2.2993	—	+	+	+
1518 Rovaniemi	8.801	12.40	0.25	0.25	5.2490	4.572	S ¹	+	+	+
1523 Pieksamaki	19.30	12.30	0.46	0.057	5.3202	4.5111	C ³	+	+	+
1527 Malmquista	9.65	12.20	0.54	0.25	14.077	1.7049	S ²	+	+	
1562 Gondolatsch	11.12 ^A	11.80 ^A	0.42	0.283 ^A	8.74	2.7460	S ¹	+	+	+
1590 Tsiolkovskaja	12.81 ^A	11.70 ^A	0.30	0.232 ^A	6.7299	3.5662	—	+	+	+
1601 Patry	10.93 ^A	12.32 ^A	0.72	0.178 ^A	5.92	4.0541	Sl ¹	+	+	+
1602 Indiana	8.410 ^A	12.49 ^A	0.17	0.259 ^A	2.6010	9.2272	S ¹	+	+	
1619 Ueta	10.105	12.10	0.35	0.25	2.7180	8.8300	S ^{1,2}	+	+	
1622 Chacornac	10.27 ^A	12.2 ^A	0.25	0.224 ^A	12.206	1.9662	S ¹	+	+	+
1631 Kopff	9.580 ^A	12.20 ^A	0.41	0.259 ^A	6.6830	3.5912	—	+	+	
1666 Van Gent	8.405	12.50	0.30	0.25	4.1660	5.7609	—	+	+	
1667 Pels	10.62 ^A	12.10 ^A	0.25	0.232 ^A	3.2681	7.3437	Sa,Sw ¹	+	+	
1675 Simonida	12.16 ^A	11.90 ^A	0.58	0.211 ^A	5.2885	4.5381	—	+	+	+
1682 Karel	4.80 ^A	12.90 ^A	0.47	0.531 ^A	3.3750	7.1111	—	+	+	+
1738 Oosterhoff	7.62 ^A	12.30 ^A	0.54	0.370 ^A	4.4470	5.3969	S ¹	+	+	
1785 Wurm	6.089	13.20	0.29	0.25	3.2693	7.3410	S ¹	+	+	+
1790 Volkov	8.670 ^A	12.50 ^A	0.09	0.241 ^A	10.742	2.2342	—	+	+	+
1793 Zoya	8.027	12.60	0.72	0.25	5.74	4.1812	S, SL ¹	+	+	
1806 Dericc	10.14 ^A	12.00 ^A	0.19	0.282 ^A	3.2240	7.4442	S, SL ¹	+	+	+
1807 Slovakia	8.801	12.40	1.00	0.25	308.0	0.0779	S, Sqw ¹	+	+	
1829 Dawson	9.67 ^A	12.50 ^A	0.28	0.189 ^A	4.254	5.6417	S ²	+	+	
1855 Korolev	8.405	12.50	0.75	0.25	4.6500	5.1613	—	+	+	
2017 Wesson	8.027	12.60	0.61	0.25	3.4158	7.0262	S,X ^{1,3}	+	+	+
2036 Sheragul	7.0 ^A	12.70 ^A	0.71	0.30 ^A	5.45	4.4037	A ²	+	+	
2080 Jihlava	7.32	12.80	0.15	0.25	2.7088	8.8600	—	+	+	
2093 Genichesk	12.29	13.28	0.24	0.057	11.028	2.1763	C ¹	+	+	+
2094 Magnitka	9.910 ^A	12.00 ^A	0.86	0.285 ^A	6.1100	3.9280	—	+	+	+
2156 Kate	8.801	12.40	0.91	0.25	5.6230	4.2682	A ^{1,2}	+	+	
2283 Bunke	16.05	12.70	0.07	0.057	4.3	5.5814	C ²	+	+	
2445 Blazhko	10.581	12.00	0.57	0.25	3.6200	6.6298	S ²	+	+	
2460 Mitlincoln	9.216	12.30	0.20	0.25	2.8277	8.4875	L ²	+	+	
2510 Shandong	7.09 ^A	12.60 ^A	0.44	0.345 ^A	3.4963	6.8644	S ¹	+	+	+
2647 Sova	8.405	12.50	0.35	0.25	9.3660	2.5625	—	+	+	
2709 Sagan	6.676	13.00	0.36	0.25	5.2580	4.5645	S ¹	+	+	
2768 Gorky	10.105	12.10	0.51	0.25	4.5070	5.3250	A ³	+	+	
2839 Annette	7.665	12.70	0.92	0.25	10.457	2.2951	—	+	+	
2841 Puijo	7.665	12.70	0.03	0.25	3.5450	6.7701	S, Sk ¹	+	+	
2853 Harvill	7.32	12.8	0.65	0.25	6.30	3.8095	—	+	+	
2961 Katsurahama	6.676	13.0	0.28	0.25	2.937	8.1716	S ¹	+	+	+
3105 Stumpff	7.430 ^A	13.10 ^A	0.35	0.185 ^A	5.0369	4.7648	S, Sl ¹	+	+	
3144 Brosche	4.619	13.80	0.60	0.25	3.30	7.2727	—	+	+	
3165 Mikawa	8.027	12.60	0.25	0.25	5.100	4.7244	S ²	+	+	
3410 Vereshchagin	5.303	13.50	0.10	0.25	2.5780	9.3095	S ²	+	+	
3411 Debetencourt	5.815	13.30	0.43	0.25	9.9300	2.4169	—	+	+	
3455 Kristensen	7.665	12.70	0.38	0.25	8.1110	2.9589	—	+	+	
3533 Toyota	9.90	12.70	0.18	0.15	2.9810	8.0510	Xk, X ^{1,2}	+	+	+
3573 Holmberg	7.320	12.80	1.03	0.25	6.5431	3.6680	S, Sr ^{1,2}	+	+	
3722 Urata	8.027	12.60	0.58	0.25	5.5670	4.3111	—	+	+	
3763 Qianxuesen	8.260 ^A	12.50 ^A	0.31	0.259 ^A	3.8840	6.1792	L ²	+	+	
3825 Nurnberg	7.665	12.70	0.71	0.25	4.0300	5.9553	—	+	+	
3850 Peltier	4.19	13.50	0.10	0.40	2.4289	9.8810	V ¹	+	+	
3953 Perth	5.064	13.60	0.92	0.25	5.083	4.7216	—	+	+	
3956 Caspar	7.32	12.80	0.13	0.25	2.7707	8.6621	—	+	+	
3986 Rozhkovskij	7.665	12.70	0.35	0.25	3.5493	6.7619	—	+	+	
4080 Galinskij	5.815	13.30	1.01	0.25	7.3500	3.2653	—	+	+	
4150 Starr	7.665	12.70	0.21	0.25	4.5179	5.3122	S ^{2,3}	+	+	