

	Feature Name	Significance	Lat. (°)	Long. (°)	Diam. (km)	Rükl Chart	Lunar Day
7	Altai Scarp	Nectaris basin rim	24.3S	22.6E	425	57	
17	Schröter's Valley	Giant sinuous rille	26.2N	50.8W	168	18	
18	Mare Serenitatis dark edges	Distinct mare areas with different compositions	17.8N	23.0E	N/A	24	
36	Grimaldi basin	A small two-ring basin	5.5S	68.3W	440	39	
41	Bessel ray	Ray of uncertain origin near Bessel	21.8N	17.9E	N/A	24	
45	Maurolycus	Region of saturation cratering	42.0S	14.0E	114	66	
46	Regiomontanus central peak	Possible volcanic peak	28.0S	0.6W	124	55	
47	Alphonsus dark spots	Dark-halo eruptions on crater floor	13.7S	3.2W	119	44	
49	Gruithuisen Delta & Gamma	Volcanic domes formed with viscous lavas	36.3N	40.0W	20	9	
50	Cayley Plains	Light, smooth plains of uncertain origin	4.0N	15.1E	14	34	
56	Australe basin	A partially flooded ancient basin	49.8S	84.5E	880	76	
57	Reiner Gamma	Conspicuous swirl & magnetic anomaly	7.7N	59.2W	70	28	
62	Rümker	Large volcanic dome	40.8N	58.1W	70	8	
63	Imbrium sculpture	Basin ejecta near & overlying Boscovich & Julius Caesar	11.0N	12.0E	—	34	
64	Descartes	Apollo 16 landing site; putative region of highland volcanism	11.7S	15.7E	48	45	
67	Fra Mauro formation	Apollo 14 landing site on Imbrium ejecta	3.6S	17.5W	—	42	
68	Flamsteed P	Proposed young volcanic crater & Surveyor 1 landing site	3.0S	44.0W	112	40	
69	Copernicus secondary craters	Rays & craterlets near Pytheas	19.6N	19.1W	4	20	
70	Humboldtianum basin	Multi-ring impact basin	57.0N	80.0E	650	7	
71	Sulpicius Gallus dark mantle	Ash eruptions northwest of crater	19.6N	11.6E	12	23	
72	Atlas dark-halo craters	Explosive volcanic pits on the floor of Atlas	46.7N	44.4E	87	15	

73	Smythii basin	Difficult-to-observe basin scarp & mare	2.0S	87.0E	740	38, 49	
74	Copernicus H	Dark-halo impact crater	6.9N	18.3W	5	31	
75	Ptolemaeus B	Saucerlike depression on the floor of Ptolemaeus	8.0S	0.8W	16	44	
76	W. Bond	Large crater degraded by Imbrium ejecta	65.3N	3.7E	158	4	
77	Sirsalis Rille	Procellarum basin radial rilles	15.7S	61.7W	425	39, 50	
78	Lambert R	A buried "ghost" crater	23.8N	20.6W	54	20	
79	Sinus Aestuum	Eastern dark-mantle volcanic deposit	12.0N	3.5W	90	33	
80	Oriente basin	Youngest large impact basin	19.0S	95.0W	930	50	
83	Plato craterlets	Crater pits at limits of detection	51.6N	9.4W	101	3, 4	
84	Pitatus	Crater with concentric rilles	29.8S	13.5W	97	54	
85	Langrenus rays	Aged ray system	8.9S	60.9E	132	49	
86	Prinz Rilles	Rille system near the crater Prinz	27.0N	43.0W	46	19	
87	Humboldt	Crater with central peaks & dark spots	27.0S	80.9E	207	60	
88	Peary	Difficult-to-observe polar crater	88.6N	33.0E	74	4, II	
89	Valentine Dome	Volcanic dome	30.5N	10.1E	30	13	
90	Armstrong, Aldrin & Collins	Small craters near the Apollo 11 landing site	1.3N	23.7E	3	35	
91	De Gasparis Rilles	Area with many rilles	25.9S	50.7W	30	51	
92	Gylden Valley	Part of the Imbrium radial sculpture	5.1S	0.7E	47	44	
93	Dionysius rays	Unusual & rare dark rays	2.8N	17.3E	18	35	
94	Drygalski	Large south-pole region crater	79.3S	84.9W	162	72, VI	
96	Leibnitz Mountains	Rim of South Pole-Aitken basin	85.0S	30.0E	—	73, V	
97	Inghirami Valley	Oriente basin ejecta	44.0S	73.0W	140	61	
98	Imbrium lava flows	Mare lava-flow boundaries	32.8N	22.0W	—	10	
99	Ina	D-shaped young volcanic caldera	18.6N	5.3E	3	22	
100	Mare Marginis swirls	Possible magnetic field deposits	18.5N	88.0E	—	27, III	

Chart numbers refer to Antonín Růkl's *Atlas of the Moon*.