

## Lunar 100.apd

ID	Name	Feature Type	Feature Size	Best Day 1	Latitude	Longitude	LFA	Rukl Chart
L1	Moon		3476					
L2	Earthshine		3476					
L3	Mare/highland dichotomy							
L4	Apennines	Dorsa	70	7	19.9	-3.7	18, 19, 25	22
L5	Copernicus	Crater	93	9	9.7	-20.1	25	31
L6	Tycho	Crater	85	8	-43.4	-11.1	22,28	64
L7	Rupes Altai	Dorsa	425	5	-24.3	22.6	15	57
L8	Theophilus, Cyrillus, Catharina	Catena		5	-13.2	24.0	8,14	46,57
L9	Clavius	Plain	225	8	-58.8	-14.1	22,28	72
L10	Mare Crisium	Mare	540	3	18.0	59.0	1,2	26,27,37,38
L11	Aristarchus	Crater	40	11	23.7	-47.4	30	18
L12	Proclus	Crater	28	4	16.1	46.8	2,7	26
L13	Gassendi	Crater	101	10	-17.6	-40.1	32,33	52
L14	Sinus Iridum	Sinus	260	10	45.0	-32.0	23,24	10
L15	Rupes Recta/Straight Wall	Rupes	110	8	-21.8	-7.8	21	54
L16	Petavius	Crater	177	3	-25.1	60.4	4	59
L17	Vallis Schroteri	Vallis	168	11	26.2	-50.8	30	18
L18	Mare Serenitatis dark edges	Mare	24	5	17.8	23.0	12,13	24
L19	Alpine Valley	Vallis	165	7	49.0	3.0	17	4
L20	Posidonius	Crater	95	5	31.8	29.9	6,12	14
L21	Fracastorius	Crater	124	5	-21.5	33.2	9	58
L22	Aristarchus Plateau	Crater	150	11	26.0	-51.0	18	18
L23	Pico	Mons	25	8	45.7	-8.9	17	11
L24	Hyginus Rille	Rima	220	6	7.4	7.8	19	34
L25	Messier, Messier A	Crater	11	4	-1.9	47.6	3	48
L26	Mare Frigoris	Mare	1600	9	56.0	1.4	11,17,23	2-6
L27	Archimedes	Crater	83	7	29.7	-4.0	18	12,22
L28	Hipparchus	Crater	150	7	-5.5	4.8	20	44,45
L29	Rimae Ariadaeus	Rima	250	5	6.4	14.0	13	34
L30	Schiller	Crater	180	10	-51.9	-39.0	28	71
L31	Taruntius	Crater	56	4	5.6	46.5	2,3,7	37
L32	Arago, Alpha & Beta	Crater	26	5	6.2	21.4	13	35
L33	Dorsa Smirnov/Serpendite Ridge	Dorsa	155	5	27.3	25.3	12	24
L34	Lacus Mortis	Lacus	152	5	45.0	27.2	11	14
L35	Triesnecker Rilles	Rima	215	7	4.3	4.6	19	33
L36	Grimaldi Basin	Plain	440	13	-5.5	-68.3	37	39
L37	Bailly	Plain	303	13	-66.5	-69.1	11	71
L38	Sabine and Ritter	Catena	30	5	1.7	19.7	13	35
L39	Schickard	Crater	227	12	-44.3	-55.3	34	62
L40	Janssen Rille	Rima	190	5	-45.4	39.3	7	67,68
L41	Bessel Ray	Ray		6	21.8	17.9	12	24
L42	Marius hills	Dome	125	11	12.5	-54.0	36	28,29
L43	Wargentín	Crater	84	12	-49.6	-60.2	34	70
L44	Mersenius	Crater	84	11	-21.5	-49.2	33,38	51
L45	Maurolycus	Catena	114	6	-42.0	14.0	15,16,22	66
L46	Regiomontanus central peak	Crater	124	7	-28.0	-0.6	21	55
L47	Alphonsus dark spots	Crater	119	7	-13.7	-3.2	20	44
L48	Cauchy region	Rima	130	5	10.5	38.0	7	36
L49	Gruithuisen Delta&Gamma	Dome	20	11	36.3	-40.0	30	9
L50	Cayley Plains	Palus	14	6	4.0	15.1	13	34
L51	Davy Crater Chain	Catena	50	8	-11.1	-6.6	20,26	43
L52	Cruger	Crater	45	13	-16.7	-66.8	37	50
L53	Lamont	Crater	106	5	4.4	23.7	13	35
L54	Hippalus Rilles	Rima	240	10	-24.5	-29.0	33	52,53
L55	Baco	Crater	69	5	-51.0	19.1	16	74
L56	Australe Basin	Crater	880	2	-49.8	84.5	10	76

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L57	Reiner Gamma	Swirl	70	12	7.7	-59.2	36	28
L58	Vallis Rheita	Crater	445	4	-42.5	51.5	9	68
L59	Schiller-Zucchius basin	Crater	335	11	-56.0	-45.0	28	70,71
L60	Domes Kies Pi	Dome	45	9	-26.9	-24.2	27	53
L61	Mosting A	Crater	13	7	-3.2	-5.2	20	43
L62	Mons Rumker	Dome	70	12	40.8	-58.1	30	8
L63	Imbrium Sculpture	Ejecta Material		6	11.0	12.0	13	34
L64	Descartes	Crater	48	6	-11.7	15.7	14	45
L65	Hortensius Domes	Dome	10	10	7.6	-27.9	31	30
L66	Hadley Rille	Rima		7	25.0	3.0	18	22
L67	Fra Mauro formation	Mare		8	-3.6	-17.5	26	42
L68	Flamsteed P	Crater	112	11	-3.0	-44.0	32,37	40
L69	Copernicus secondary craters	Crater	4	9	19.6	-19.1	25	20
L70	Humboldtianum basin	Crater	650	2	57.0	80.0	5	7
L71	Sulpicius Gallus dark mantle	Crater	12	6	19.6	11.6	12,13	23
L72	Atlas dark-halo craters	Crater	87	4	46.7	44.4	5	15
L73	Smythii basin	Crater	740	2	-2.0	87.0	2,3	38,39
L74	Copernicus H	Crater	5	9	6.9	-18.3	25	31
L75	Ptolemaeus B	Crater	16	7	-8.0	-0.8	20	44
L76	W. Bond	Crater	158	7	65.3	3.7	17	4
L77	Sirsalis Rille	Rima	425	12	-15.7	-61.7	37	39,50
L78	Lambert R	Crater	54	9	23.8	-20.6	24	20
L79	Sinus Aestuum	Sinus	90	8	12.0	-3.5	19,25	33
L80	Oriental Basin	Mare	930	13	-19.0	-95.0	37	50
L81	Hesiodus A	Crater	15	8	-30.1	-17.0	27	54
L82	Linné	Crater	2.4	6	27.7	11.8	12	23
L83	Plato craterlets	Crater	101	8	51.6	-9.4	17	3,4
L84	Pitatus	Crater	97	8	-29.8	-13.5	27	54
L85	Langrenus rays	Ray	132	3	-8.9	60.9	3	49
L86	Prinz Rilles	Rima	46	11	27.0	-43.0	30	19
L87	Humboldt	Crater	207	2	-27.0	80.9	4	60
L88	Peary	Crater	74	6	88.6	33.0	17	4,II
L89	Valentine Dome	Dome	30	6	30.5	10.1	12	13
L90	Armstrong, Aldrin, Collins	Catena	3	5	1.3	23.7	7	35
L91	De Gasparis Rilles	Rima	30	11	-25.9	-50.7	33	51
L92	Gylden Valley	Vallis	47	7	-5.1	0.7	20	44
L93	Dionysius rays	Ray	18	6	2.8	17.3	13	35
L94	Drygalski	Crater	162	14	-79.3	-84.9	28	72,VI
L95	Procellarum basin	Oceanus	3200	10	23.0	-15.0	29-32,35-37	
L96	Leibnitz Mountains	Dorsa		7	-85.0	30.0	22	73,V
L97	Inghirami Valley	Vallis	140	13	-44.0	-73.0	33,34	61
L98	Imbrium lava flows	Lava Flow		9	32.8	-22.0	12	10
L99	Ina	Caldera	3	7	18.6	5.3	19	22
L100	Mare Marginis swirls	Mare		2	18.5	88.0	2	27,III