

NAME	Constellation	RA	DEC	SIZE Brightness
SH2-1	Scorpius	15.980889	-26.120556	150 Bright
SH2-2	Scorpius	17.0685	-38.1425	60 Midrange
SH2-3	Scorpius	17.229167	-38.503056	12 Bright
SH2-4	Scorpius	17.330222	-39.338889	5 Bright
SH2-5	Scorpius	17.334306	-38.454722	100 Midrange
SH2-6	Scorpius	17.251139	-37.116667	4 Bright
SH2-7	Scorpius	16.0055	-22.950556	240 Faint
SH2-8	Scorpius	17.356889	-36.034722	120 Bright
SH2-9	Scorpius	16.353028	-25.589444	80 Midrange
SH2-10	Scorpius	17.316667	-34.090278	60 Midrange
SH2-11	Scorpius	17.441944	-34.205556	90 Bright
SH2-12	Scorpius	17.598944	-32.599722	120 Midrange
SH2-13	Scorpius	17.507944	-31.562778	40 Midrange
SH2-14	Scorpius	17.505139	-30.263056	2 Midrange
SH2-15	Scorpius	17.842889	-31.264167	30 Midrange
SH2-16	Sagittarius	17.797833	-29.303889	20 Midrange
SH2-17	Sagittarius	17.769111	-28.858056	25 Midrange
SH2-18	Sagittarius	17.812806	-29.251667	4 Midrange
SH2-19	Sagittarius	17.822694	-29.116944	12 Midrange
SH2-20	Sagittarius	17.820639	-28.667222	10 Midrange
SH2-21	Sagittarius	17.860833	-28.894722	5 Midrange
SH2-22	Sagittarius	17.917722	-25.036111	60 Midrange
SH2-23	Scorpius	16.2235	-8.372222	50 Faint
SH2-24	Ophiuchus	16.184389	-7.077222	30 Midrange
SH2-25	Sagittarius	18.090556	-24.394167	90 Bright
SH2-26	Sagittarius	17.983056	-23.326389	20 Faint
SH2-27	Ophiuchus	16.620111	-10.569722	480 Midrange
SH2-28	Sagittarius	18.044944	-23.584167	40 Faint
SH2-29	Sagittarius	18.17525	-23.998611	40 Midrange
SH2-30	Sagittarius	18.0595	-23.015278	20 Bright
SH2-31	Sagittarius	18.188417	-23.796667	8 Midrange
SH2-32	Sagittarius	18.181639	-23.6475	8 Midrange
SH2-33	Serpens	15.997889	-1.6175	35 Faint
SH2-34	Sagittarius	18.106806	-21.658333	90 Midrange
SH2-35	Sagittarius	18.264083	-20.251944	20 Midrange
SH2-36	Serpens	16.09175	0.394444	45 Faint
SH2-37	Sagittarius	18.295306	-19.664167	20 Midrange
SH2-38	Sagittarius	18.145972	-18.269167	3 Faint
SH2-39	Sagittarius	18.279583	-18.649722	3 Midrange
SH2-40	Sagittarius	18.200611	-17.744444	15 Midrange
SH2-41	Sagittarius	18.264278	-18.235278	90 Midrange
SH2-42	Sagittarius	18.171611	-16.815278	3 Midrange
SH2-43	Sagittarius	18.273694	-17.400556	15 Midrange
SH2-44	Sagittarius	18.274889	-16.733611	60 Midrange
SH2-45	Sagittarius	18.346139	-16.173333	60 Bright
SH2-46	Serpens	18.103083	-14.158611	25 Midrange

SH2-47	Serpens	18.29575	-15.613889	5 Midrange
SH2-48	Scutum	18.373361	-14.585833	10 Midrange
SH2-49	Serpens	18.311278	-13.961667	90 Bright
SH2-50	Scutum	18.425111	-14.711667	35 Midrange
SH2-51	Sagittarius	18.679639	-16.558333	35 Faint
SH2-52	Sagittarius	19.796333	-23.0875	2 Midrange
SH2-53	Scutum	18.420778	-13.228889	15 Midrange
SH2-54	Serpens Cauda	18.298111	-11.73	140 Bright
SH2-55	Scutum	18.536417	-11.762222	5 Faint
SH2-56	Scutum	18.518389	-9.714722	7 Faint
SH2-57	Scutum	18.509333	-8.615833	2 Faint
SH2-58	Scutum	18.524222	-8.463611	8 Midrange
SH2-59	Scutum	18.617	-7.600278	20 Faint
SH2-60	Scutum	18.611389	-6.701111	20 Midrange
SH2-61	Scutum	18.548639	-5.01	2 Bright
SH2-62	Serpens	18.459556	-3.856111	4 Faint
SH2-63	Sagittarius	19.962	-14.115556	55 Faint
SH2-64	Serpens	18.526639	-1.913056	25 Midrange
SH2-65	Aquila	18.782806	-3.743056	7 Midrange
SH2-66	Aquila	18.758361	-1.996389	8 Midrange
SH2-67	Aquila	18.823583	-2.353611	10 Faint
SH2-68	Serpens	18.419861	0.855	8 Midrange
SH2-69	Aquila	18.740611	-0.282222	20 Midrange
SH2-70	Ophiuchus	18.244139	7.063056	5 Midrange
SH2-71	Aquila	19.034083	2.159722	3 Bright
SH2-72	Aquila	19.064	2.313889	25 Midrange
SH2-73	Hercules	16.185444	21.873889	75 Faint
SH2-74	Aquila	19.146944	5.608889	3 Midrange
SH2-75	Aquila	18.987611	7.12	10 Faint
SH2-76	Aquila	18.940472	7.813333	7 Faint
SH2-77	Aquila	19.804806	1.148056	8 Faint
SH2-78	Aquila	19.053083	14.129444	12 Faint
SH2-79	Aquila	19.388444	13.976111	40 Faint
SH2-80	Sagitta	19.191361	16.865833	2 Bright
SH2-81	Aquila	20.020417	11.792778	10 Faint
SH2-82	Sagitta	19.505778	18.275556	9 Midrange
SH2-83	Vulpecula	19.408944	20.795833	2 Midrange
SH2-84	Sagitta	19.817778	18.400278	15 Bright
SH2-85	Lyra	19.054778	25.830278	6 Midrange
SH2-86	Vulpecula	19.719361	23.2875	40 Midrange
SH2-87	Vulpecula	19.773528	24.628056	10 Faint
SH2-88	Vulpecula	19.766333	25.343889	25 Midrange
SH2-89	Vulpecula	19.834	26.486111	5 Faint
SH2-90	Vulpecula	19.820361	26.867778	6 Midrange
SH2-91	Cygnus	19.592778	29.604444	120 Faint
SH2-92	Vulpecula	19.777583	28.245556	50 Faint
SH2-93	Vulpecula	19.917	27.213611	1 Bright

SH2-94	Cygnus	19.464333	31.470556	25 Faint
SH2-95	Vulpecula	19.917139	29.296944	1 Midrange
SH2-96	Cygnus	19.478361	32.689167	25 Faint
SH2-97	Cygnus	19.934806	30.265833	10 Faint
SH2-98	Cygnus	19.979028	31.421667	15 Faint
SH2-99	Cygnus	20.014167	33.492778	5 Bright
SH2-100	Cygnus	20.030889	33.511667	4 Bright
SH2-101	Cygnus	19.999306	35.291111	20 Midrange
SH2-102	Cygnus	20.52975	30.605278	40 Faint
SH2-103	Cygnus	20.842361	30.923333	210 Bright
SH2-104	Cygnus	20.295861	36.744444	7 Midrange
SH2-105	Cygnus	20.200778	38.349722	18 Bright
SH2-106	Cygnus	20.457694	37.396944	3 Bright
SH2-107	Cygnus	20.713	36.342778	5 Midrange
SH2-108	Cygnus	20.376528	40.254167	180 Bright
SH2-109	Cygnus	20.560694	40.3425	1,080.00 Midrange
SH2-110	Cygnus	21.346917	32.457778	50 Faint
SH2-111	Cygnus	21.698139	30.105833	90 Faint
SH2-112	Cygnus	20.564	45.659722	15 Midrange
SH2-113	Cygnus	21.346722	38.091389	15 Faint
SH2-114	Cygnus	21.353	38.708611	9 Midrange
SH2-115	Cygnus	20.576111	46.878056	50 Midrange
SH2-116	Cygnus	20.538694	47.356944	2 Midrange
SH2-117	Cygnus	20.979611	44.321944	240 Midrange
SH2-118	Cygnus	21.616972	40.215833	480 Faint
SH2-119	Cygnus	21.307167	43.937778	160 Bright
SH2-120	Cygnus	21.063083	49.880833	1 Faint
SH2-121	Cygnus	21.086861	49.649722	1 Faint
SH2-122	Pegasus	23.146472	14.925	40 Faint
SH2-123	Cygnus	21.706333	44.54	13 Midrange
SH2-124	Cygnus	21.639361	50.351389	70 Midrange
SH2-125	Cygnus	21.892556	47.271667	9 Bright
SH2-126	Lacerta	22.557639	38.582222	160 Midrange
SH2-127	Cygnus	21.478306	54.620833	2 Midrange
SH2-128	Cepheus	21.535778	55.859167	1 Bright
SH2-129	Cepheus	21.195806	59.961389	140 Midrange
SH2-130	Cepheus	20.716556	63.228333	3 Midrange
SH2-131	Cepheus	21.650083	57.485833	170 Midrange
SH2-132	Cepheus	22.31325	56.134722	90 Midrange
SH2-133	Cepheus	21.483306	64.305278	80 Faint
SH2-134	Cepheus	22.191639	59.410278	160 Midrange
SH2-135	Cepheus	22.369889	58.738333	15 Midrange
SH2-136	Cepheus	21.274917	68.253056	5 Bright
SH2-137	Cepheus	21.952	64.693611	90 Faint
SH2-138	Cepheus	22.544306	58.481667	1 Midrange
SH2-139	Cepheus	22.583444	58.217222	10 Faint
SH2-140	Cepheus	22.318833	63.285278	30 Bright

SH2-141	Cepheus	22.475139	61.644722	5 Midrange
SH2-142	Cepheus	22.79325	58.061111	30 Bright
SH2-143	Cepheus	22.837472	57.713056	4 Faint
SH2-144	Cepheus	22.747833	59.892222	4 Faint
SH2-145	Cepheus	22.426	64.308611	90 Faint
SH2-146	Cepheus	22.823972	59.929167	2 Midrange
SH2-147	Cepheus	22.924917	58.466944	2 Faint
SH2-148	Cepheus	22.936722	58.517222	2 Bright
SH2-149	Cepheus	22.940111	58.534167	1 Midrange
SH2-150	Cepheus	22.519972	65.113889	40 Midrange
SH2-151	Cassiopeia	23.050944	57.071667	20 Faint
SH2-152	Cassiopeia	22.977167	58.785556	2 Bright
SH2-153	Cassiopeia	22.987333	58.736111	5 Midrange
SH2-154	Cepheus	22.856833	61.180556	60 Midrange
SH2-155	Cepheus	22.9455	62.617778	60 Midrange
SH2-156	Cepheus	23.086278	60.256389	2 Bright
SH2-157	Cassiopeia	23.267667	60.045556	90 Bright
SH2-158	Cepheus	23.227861	61.511111	10 Bright
SH2-159	Cassiopeia	23.261972	61.145278	7 Midrange
SH2-160	Cepheus	23.096583	64.673333	80 Faint
SH2-161	Cassiopeia	23.258194	61.861944	55 Midrange
SH2-162	Cassiopeia	23.345028	61.197778	40 Bright
SH2-163	Cassiopeia	23.555444	60.785556	10 Midrange
SH2-164	Cassiopeia	23.640444	59.970556	3 Midrange
SH2-165	Cassiopeia	23.663639	61.9375	10 Midrange
SH2-166	Cassiopeia	23.702889	60.971389	10 Faint
SH2-167	Cepheus	23.589583	64.853056	2 Faint
SH2-168	Cassiopeia	23.884389	60.473056	7 Midrange
SH2-169	Cassiopeia	23.899667	60.373056	5 Faint
SH2-170	Cassiopeia	0.028444	64.623333	20 Midrange
SH2-171	Cepheus	0.077861	67.156667	180 Bright
SH2-172	Cassiopeia	0.259139	61.255833	1 Faint
SH2-173	Cassiopeia	0.364417	61.738056	30 Midrange
SH2-174	Cepheus	23.780361	80.938889	10 Faint
SH2-175	Cassiopeia	0.455333	64.703611	2 Midrange
SH2-176	Cassiopeia	0.527583	57.285833	10 Faint
SH2-177	Cassiopeia	0.525861	62.469167	40 Faint
SH2-178	Ursa Minor	22.315611	87.761667	420 Faint
SH2-179	Cassiopeia	0.673722	62.866111	1 Faint
SH2-180	Cassiopeia	0.812972	62.929167	15 Faint
SH2-181	Cassiopeia	0.821306	65.212222	15 Faint
SH2-182	Cassiopeia	0.837972	64.745	2 Faint
SH2-183	Cassiopeia	0.899944	65.709722	35 Faint
SH2-184	Cassiopeia	0.880778	56.610278	40 Bright
SH2-185	Cassiopeia	1	60.989722	120 Midrange
SH2-186	Cassiopeia	1.147528	63.134167	1 Midrange
SH2-187	Cassiopeia	1.3855	61.856667	10 Midrange

SH2-188	Cassiopeia	1.510944	58.366667	9 Midrange
SH2-189	Cassiopeia	2.202389	64.171667	2 Faint
SH2-190	Cassiopeia	2.556444	61.442222	150 Bright
SH2-191	Cassiopeia	2.610917	59.637222	2 Bright
SH2-192	Cassiopeia	2.787278	61.988056	1 Faint
SH2-193	Cassiopeia	2.792361	62.004167	2 Faint
SH2-194	Cassiopeia	2.788861	61.937778	2 Midrange
SH2-195	Cassiopeia	2.668333	59.648889	3 Faint
SH2-196	Cassiopeia	2.855333	62.231389	4 Midrange
SH2-197	Cassiopeia	2.698722	59.646111	5 Faint
SH2-198	Cassiopeia	2.833833	59.7	9 Midrange
SH2-199	Cassiopeia	2.909333	60.409444	120 Bright
SH2-200	Cassiopeia	3.179194	62.815556	6 Faint
SH2-201	Cassiopeia	3.052889	60.478333	5 Bright
SH2-202	Camelopardalis	3.314306	59.633889	170 Faint
SH2-203	Perseus	3.366944	54.877778	45 Faint
SH2-204	Camelopardalis	3.929361	57.428889	40 Midrange
SH2-205	Camelopardalis	3.935611	53.194444	120 Midrange
SH2-206	Perseus	4.053639	51.329444	50 Bright
SH2-207	Camelopardalis	4.334722	53.143611	4 Midrange
SH2-208	Camelopardalis	4.329417	52.977778	1 Bright
SH2-209	Perseus	4.184167	51.163056	14 Midrange
SH2-210	Perseus	4.516417	52.552778	20 Midrange
SH2-211	Perseus	4.616056	50.939444	2 Bright
SH2-212	Perseus	4.677167	50.381111	5 Bright
SH2-213	Perseus	4.345278	44.925	1 Faint
SH2-214	Perseus	4.359694	44.373056	4 Faint
SH2-215	Perseus	4.2925	42.615	2 Midrange
SH2-216	Perseus	4.749167	46.820833	80 Midrange
SH2-217	Auriga	4.979861	48.005556	9 Midrange
SH2-218	Auriga	5.687944	52.188333	70 Faint
SH2-219	Auriga	4.935556	47.395278	3 Bright
SH2-220	Perseus	4.010667	36.617222	320 Bright
SH2-221	Auriga	5.027778	46.348889	120 Faint
SH2-222	Perseus	4.502722	35.27	6 Bright
SH2-223	Auriga	5.286639	42.211944	70 Midrange
SH2-224	Auriga	5.454472	42.971111	30 Midrange
SH2-225	Auriga	5.450111	40.621667	10 Midrange
SH2-226	Auriga	5.185222	37.9925	3 Bright
SH2-227	Auriga	5.331472	38.955278	20 Midrange
SH2-228	Auriga	5.226417	37.453333	8 Bright
SH2-229	Auriga	5.271944	34.463333	65 Bright
SH2-230	Auriga	5.375111	34.131944	300 Midrange
SH2-231	Auriga	5.655444	35.925	12 Midrange
SH2-232	Auriga	5.707417	36.200833	40 Midrange
SH2-233	Auriga	5.645306	35.793056	2 Midrange
SH2-234	Auriga	5.468833	34.435278	12 Bright

SH2-235	Auriga	5.683722	35.854167	10 Bright
SH2-236	Auriga	5.376056	33.365	55 Bright
SH2-237	Auriga	5.52375	34.277222	7 Bright
SH2-238	Taurus	4.363889	19.537778	1 Bright
SH2-239	Taurus	4.5215	18.116667	5 Midrange
SH2-240	Taurus	5.683417	28.103611	180 Midrange
SH2-241	Auriga	6.068694	30.247778	10 Bright
SH2-242	Taurus	5.864278	27.010833	7 Midrange
SH2-243	NULL	5.65625	23.290833	6 Faint
SH2-244	Taurus	5.575194	21.9525	5 Bright
SH2-245	Taurus	4.042639	4.128611	720 Midrange
SH2-246	Taurus	5.036	14.095833	65 Faint
SH2-247	Taurus	6.14175	21.62	9 Midrange
SH2-248	Gemini	6.277417	22.500278	50 Bright
SH2-249	Gemini	6.3495	23.089722	80 Midrange
SH2-250	Taurus	4.669806	7.362778	10 Faint
SH2-251	Taurus	4.547167	5.862778	35 Faint
SH2-252	Orion	6.160917	20.500556	40 Bright
SH2-253	Gemini	6.428861	20.028056	5 Faint
SH2-254	Orion	6.205806	18.043889	11 Midrange
SH2-255	Orion	6.219083	17.975278	3 Bright
SH2-256	Orion	6.210722	17.943056	1 Midrange
SH2-257	Orion	6.214083	17.975833	3 Bright
SH2-258	Orion	6.225722	17.924167	1 Midrange
SH2-259	Orion	6.193722	17.445556	2 Faint
SH2-260	Orion	4.918861	5.661667	22 Faint
SH2-261	Orion	6.149222	15.801944	45 Midrange
SH2-262	Orion	5.112556	6.167778	20 Faint
SH2-263	Orion	5.362417	8.399167	22 Midrange
SH2-264	Orion	5.586806	9.933333	390 Midrange
SH2-265	Orion	5.310111	7.439722	70 Midrange
SH2-266	Orion	6.313833	15.277778	1 Bright
SH2-267	Orion	6.264806	14.268333	4 Midrange
SH2-268	Orion	6.170861	13.331944	60 Faint
SH2-269	Orion	6.242833	13.821389	4 Bright
SH2-270	Orion	6.1705	12.815278	1 Bright
SH2-271	Orion	6.2485	12.353889	2 Bright
SH2-272	Orion	6.250167	12.336944	1 Midrange
SH2-273	Monoceros	6.680139	9.908056	250 Bright
SH2-274	Gemini	7.48525	13.261944	8 Bright
SH2-275	Monoceros	6.528583	4.929722	100 Bright
SH2-276	Orion	5.457806	-3.965278	1,200.00 Midrange
SH2-277	Orion	5.678778	-2.447222	120 Bright
SH2-278	Orion	5.330056	-5.663611	50 Midrange
SH2-279	Orion	5.588944	-4.800833	20 Bright
SH2-280	Monoceros	6.572028	2.54	40 Midrange
SH2-281	Orion	5.581833	-5.466667	60 Bright

SH2-282	Monoceros	6.633056	1.514444	35 Midrange
SH2-283	Monoceros	6.644194	0.712778	3 Faint
SH2-284	Monoceros	6.750556	0.230833	80 Midrange
SH2-285	Monoceros	6.920111	-0.510278	1 Bright
SH2-286	Monoceros	6.90925	-4.508889	6 Faint
SH2-287	Monoceros	6.992389	-4.803889	12 Midrange
SH2-288	Monoceros	7.14275	-4.308333	1 Bright
SH2-289	Monoceros	6.765722	-7.338333	11 Faint
SH2-290	Cancer	8.903083	8.921111	17 Midrange
SH2-291	Monoceros	6.923667	-8.027778	8 Midrange
SH2-292	Monoceros	7.073833	-10.448889	21 Bright
SH2-293	Canis Major	7.029917	-11.309444	11 Midrange
SH2-294	Monoceros	7.27625	-9.443889	7 Bright
SH2-295	Canis Major	7.044833	-11.461667	8 Faint
SH2-296	Monoceros	7.096694	-11.218889	200 Bright
SH2-297	Canis Major	7.087611	-12.334444	7 Bright
SH2-298	Canis Major	7.310556	-13.198611	22 Bright
SH2-299	Puppis	7.511056	-15.292778	1 Faint
SH2-300	Puppis	7.517639	-15.410278	3 Faint
SH2-301	Canis Major	7.163556	-18.478611	9 Bright
SH2-302	Puppis	7.528306	-16.978611	21 Midrange
SH2-303	Canis Major	6.9005	-22.425	90 Midrange
SH2-304	Canis Major	6.724056	-24.133333	200 Midrange
SH2-305	Puppis	7.50225	-18.525	4 Bright
SH2-306	Puppis	7.510194	-19.109444	30 Faint
SH2-307	Puppis	7.592222	-18.753889	6 Bright
SH2-308	Canis Major	6.902694	-23.942222	35 Midrange
SH2-309	Puppis	7.535028	-19.429444	12 Midrange
SH2-310	Canis Major	7.217611	-24.586389	480 Midrange
SH2-311	Puppis	7.872444	-26.441111	45 Bright
SH2-312	Pyxis	8.986028	-25.688611	720 Midrange
SH2-313	Hydra	12.892111	-22.86	12 Midrange

Shape	RA Hour	RA Minutes	DEC Degree	DEC Minutes
Irregular	15	59	-26	7
Irregular	17	4	-38	9
Elliptical	17	14	-38	30
Elliptical	17	20	-39	20
Irregular	17	20	-38	27
Irregular	17	15	-37	7
Irregular	16	0	-22	57
Irregular	17	21	-36	2
Irregular	16	21	-25	35
Irregular	17	19	-34	5
Irregular	17	27	-34	12
Circular	17	36	-32	36
Elliptical	17	30	-31	34
Irregular	17	30	-30	16
Elliptical	17	51	-31	16
Irregular	17	48	-29	18
Irregular	17	46	-28	51
Circular	17	49	-29	15
Circular	17	49	-29	7
Irregular	17	49	-28	40
Irregular	17	52	-28	54
Irregular	17	55	-25	2
Irregular	16	13	-8	22
Elliptical	16	11	-7	5
Irregular	18	5	-24	24
Irregular	17	59	-23	20
Irregular	16	37	-10	34
Circular	18	3	-23	35
Irregular	18	11	-23	60
Irregular	18	4	-23	1
Circular	18	11	-23	48
Circular	18	11	-23	39
Irregular	15	60	-1	37
Irregular	18	6	-21	39
Irregular	18	16	-20	15
Circular	16	6	0	24
Irregular	18	18	-19	40
Irregular	18	9	-18	16
Irregular	18	17	-18	39
Irregular	18	12	-17	45
Irregular	18	16	-18	14
Irregular	18	10	-16	49
Elliptical	18	16	-17	24
Irregular	18	16	-16	44
Irregular	18	21	-16	10
Elliptical	18	6	-14	10



Circular	18	18	-15	37
Irregular	18	22	-14	35
Irregular	18	19	-13	58
Irregular	18	26	-14	43
Irregular	18	41	-16	33
Elliptical	19	48	-23	5
Irregular	18	25	-13	14
Irregular	18	18	-11	44
Irregular	18	32	-11	46
Circular	18	31	-9	43
Irregular	18	31	-8	37
Irregular	18	31	-8	28
Irregular	18	37	-7	36
Irregular	18	37	-6	42
Irregular	18	33	-5	1
Irregular	18	28	-3	51
Irregular	19	58	-14	7
Irregular	18	32	-1	55
Irregular	18	47	-3	45
Irregular	18	46	-1	60
Elliptical	18	49	-2	21
Irregular	18	25	0	51
Elliptical	18	44	0	17
Irregular	18	15	7	4
Elliptical	19	2	2	10
Irregular	19	4	2	19
Irregular	16	11	21	52
Irregular	19	9	5	37
Circular	18	59	7	7
Circular	18	56	7	49
Elliptical	19	48	1	9
Circular	19	3	14	8
Irregular	19	23	13	59
Irregular	19	11	16	52
Irregular	20	1	11	48
Irregular	19	30	18	17
Circular	19	25	20	48
Irregular	19	49	18	24
Irregular	19	3	25	50
Circular	19	43	23	17
Irregular	19	46	24	38
Irregular	19	46	25	21
Circular	19	50	26	29
Irregular	19	49	26	52
Irregular	19	36	29	36
Circular	19	47	28	15
Irregular	19	55	27	13

Irregular	19	28	31	28
Circular	19	55	29	18
Irregular	19	29	32	41
Circular	19	56	30	16
Circular	19	59	31	25
Irregular	20	1	33	30
Irregular	20	2	33	31
Irregular	19	60	35	17
Irregular	20	32	30	36
Irregular	20	51	30	55
Circular	20	18	36	45
Elliptical	20	12	38	21
Irregular	20	27	37	24
Elliptical	20	43	36	21
Irregular	20	23	40	15
Elliptical	20	34	40	21
Irregular	21	21	32	27
Irregular	21	42	30	6
Circular	20	34	45	40
Irregular	21	21	38	5
Irregular	21	21	38	43
Irregular	20	35	46	53
Circular	20	32	47	21
Irregular	20	59	44	19
Irregular	21	37	40	13
Elliptical	21	18	43	56
Circular	21	4	49	53
Irregular	21	5	49	39
Irregular	23	9	14	56
Elliptical	21	42	44	32
Circular	21	38	50	21
Elliptical	21	54	47	16
Irregular	22	33	38	35
Irregular	21	29	54	37
Irregular	21	32	55	52
Irregular	21	12	59	58
Irregular	20	43	63	14
Circular	21	39	57	29
Irregular	22	19	56	8
Irregular	21	29	64	18
Irregular	22	11	59	25
Irregular	22	22	58	44
Irregular	21	16	68	15
Irregular	21	57	64	42
Irregular	22	33	58	29
Irregular	22	35	58	13
Elliptical	22	19	63	17

Circular	22	29	61	39
Irregular	22	48	58	4
Irregular	22	50	57	43
Irregular	22	45	59	54
Elliptical	22	26	64	19
Irregular	22	49	59	56
Circular	22	55	58	28
Irregular	22	56	58	31
Circular	22	56	58	32
Irregular	22	31	65	7
Irregular	23	3	57	4
Irregular	22	59	58	47
Circular	22	59	58	44
Irregular	22	51	61	11
Irregular	22	57	62	37
Circular	23	5	60	15
Irregular	23	16	60	3
Elliptical	23	14	61	31
Irregular	23	16	61	9
Irregular	23	6	64	40
Elliptical	23	15	61	52
Irregular	23	21	61	12
Irregular	23	33	60	47
Irregular	23	38	59	58
Elliptical	23	40	61	56
Circular	23	42	60	58
Circular	23	35	64	51
Elliptical	23	53	60	28
Circular	23	54	60	22
Circular	0	2	64	37
Irregular	0	5	67	9
Elliptical	0	16	61	15
Circular	0	22	61	44
Irregular	23	47	80	56
Circular	0	27	64	42
Irregular	0	32	57	17
Irregular	0	32	62	28
Irregular	22	19	87	46
Circular	0	40	62	52
Irregular	0	49	62	56
Irregular	0	49	65	13
Irregular	0	50	64	45
Irregular	0	54	65	43
Irregular	0	53	56	37
Irregular	1	0	60	59
Irregular	1	9	63	8
Irregular	1	23	61	51

Irregular	1	31	58	22
Circular	2	12	64	10
Irregular	2	33	61	27
Irregular	2	37	59	38
Elliptical	2	47	61	59
Elliptical	2	48	62	0
Elliptical	2	47	61	56
Irregular	2	40	59	39
Circular	2	51	62	14
Irregular	2	42	59	39
Elliptical	2	50	59	42
Irregular	2	55	60	25
Elliptical	3	11	62	49
Irregular	3	3	60	29
Irregular	3	19	59	38
Circular	3	22	54	53
Irregular	3	56	57	26
Irregular	3	56	53	12
Irregular	4	3	51	20
Circular	4	20	53	9
Circular	4	20	52	59
Irregular	4	11	51	10
Irregular	4	31	52	33
Irregular	4	37	50	56
Circular	4	41	50	23
Irregular	4	21	44	55
Circular	4	22	44	22
Irregular	4	18	42	37
Irregular	4	45	46	49
Elliptical	4	59	48	0
Elliptical	5	41	52	11
Elliptical	4	56	47	24
Irregular	4	1	36	37
Irregular	5	2	46	21
Irregular	4	30	35	16
Irregular	5	17	42	13
Irregular	5	27	42	58
Irregular	5	27	40	37
Irregular	5	11	37	60
Irregular	5	20	38	57
Irregular	5	14	37	27
Irregular	5	16	34	28
Irregular	5	23	34	8
Irregular	5	39	35	55
Elliptical	5	42	36	12
Irregular	5	39	35	48
Irregular	5	28	34	26

Irregular	5	41	35	51
Irregular	5	23	33	22
Irregular	5	31	34	17
Irregular	4	22	19	32
Irregular	4	31	18	7
Circular	5	41	28	6
Irregular	6	4	30	15
Circular	5	52	27	1
Irregular	5	39	23	17
Elliptical	5	35	21	57
Irregular	4	3	4	8
Irregular	5	2	14	6
Circular	6	9	21	37
Elliptical	6	17	22	30
Irregular	6	21	23	5
Irregular	4	40	7	22
Irregular	4	33	5	52
Irregular	6	10	20	30
Irregular	6	26	20	2
Elliptical	6	12	18	3
Circular	6	13	17	59
Irregular	6	13	17	57
Circular	6	13	17	59
Irregular	6	14	17	55
Circular	6	12	17	27
Irregular	4	55	5	40
Irregular	6	9	15	48
Irregular	5	7	6	10
Elliptical	5	22	8	24
Circular	5	35	9	56
Irregular	5	19	7	26
Elliptical	6	19	15	17
Circular	6	16	14	16
Irregular	6	10	13	20
Irregular	6	15	13	49
Irregular	6	10	12	49
Circular	6	15	12	21
Elliptical	6	15	12	20
Irregular	6	41	9	54
Irregular	7	29	13	16
Circular	6	32	4	56
Elliptical	5	27	-3	58
Irregular	5	41	-2	27
Irregular	5	20	-5	40
Irregular	5	35	-4	48
Irregular	6	34	2	32
Irregular	5	35	-5	28

Irregular	6	38	1	31
Irregular	6	39	0	43
Elliptical	6	45	0	14
Circular	6	55	0	31
Elliptical	6	55	-4	31
Irregular	6	60	-4	48
Irregular	7	9	-4	18
Elliptical	6	46	-7	20
Elliptical	8	54	8	55
Elliptical	6	55	-8	2
Irregular	7	4	-10	27
Circular	7	2	-11	19
Irregular	7	17	-9	27
Circular	7	3	-11	28
Irregular	7	6	-11	13
Irregular	7	5	-12	20
Irregular	7	19	-13	12
Irregular	7	31	-15	18
Elliptical	7	31	-15	25
Elliptical	7	10	-18	29
Elliptical	7	32	-16	59
Elliptical	6	54	-22	26
Irregular	6	43	-24	8
Irregular	7	30	-18	31
Irregular	7	31	-19	7
Irregular	7	36	-18	45
Irregular	6	54	-23	57
Elliptical	7	32	-19	26
Irregular	7	13	-24	35
Irregular	7	52	-26	26
Irregular	8	59	-25	41
Circular	12	54	-22	52