Planetary Nebula

By Constellation

Cat	No	Con	Type	Mag	Alias/Notes
MINK	1-1	And	Pl Neb	14.1	PK 130-11.1 Minkowski 1-1
NGC	7662	And	Pl Neb 4+3	9.2	Blue Snowball PK 106-17.1
ABELL	55	Aql	Pl Neb 3	15.4	PK 33-5.1 PNG 33.0-5.3
ABELL	56	Aql	Pl Neb 4	15.5	PK 37-3.2 PNG 37.9-3.4
ABELL	62	Aql	Pl Neb 2c	14.8	PK 47-4.1 PNG 47.1-4.2
ABELL	52	Aql	Pl Neb 3b	16.5	PK 50+5.1 PNG 50.4+5.2
ABELL	64	Aql	Pl Neb 3	15.3	PK 44-9.1
ABELL	67	Aql	Pl Neb 2b	16	PK 43-13.1 PNG 43.5-13.4
ABELL	53	Aql	Pl Neb 4	16.9	PK 40-0.1 PNG 40.3-0.4
ABELL	70	Aql	Pl Neb	14.5	PK 38-25.1
IC	4846	Aql	Pl Neb 2	12.7	Sanduleak 2-385 PK 27-9.1 PNG 27.6-9.6
MINK	1-70	Aql	Pl Neb 1	12.7	PK 45-2.1 PNG 45.4-2.7 Minkowski 1-70 Vyssotsky 2-2
NGC	6772	Aql	Pl Neb 3b+2	14.2	Sanduleak 2-384 PK 33-6.1 PNG 33.1-6.3
NGC	6778	Aql	Pl Neb 3+3	13.3	Sanduleak 2-388 PK 34-6.1 PNG 34.5-6.7
NGC	6781	Aql	Pl Neb 3+3	11.8	PK 41-2.1 PNG 41.8-2.9
NGC	6790	Aql	Pl Neb 2	10.2	PK 37-6.1 PNG 37.8-6.3
NGC	6741	Aql	Pl Neb 4	10.8	Sanduleak 2-380 Jonckheere 475 PK 33-2.1
NGC	6803	Aql	Pl Neb 2a	11.3	PK 46-4.1 PNG 46.4-4.1
NGC	6804	Aql	Pl Neb 4+2	12.2	PK 45-4.1 PNG 45.7-4.5
NGC	6807	Aql	Pl Neb 2	13.8	PK 42-6.1 PNG 42.9-6.9
NGC	6751	Aql	Pl Neb 3	12.5	Sanduleak 2-382 PK 29-5.1 PNG 29.2-5.9
NGC	6852	Aql	Pl Neb 4	12.8	Kohoutek 1-18 PK 42-14.1 PNG 42.5-14.5
SH2	71	Aql	Pl Neb 3b+3	13.2	PK 36-1.1 PNG 35.9-1.1 Sh2-71
NGC	7009	Aqr	Pl Neb 4+6	8.3	Saturn Nebula PK 37.7-34.5
NGC	7293	Aqr	Pl Neb 4+3	7.5	Helix Nebula PK 36-57.1 PNG 36.1-57.1
ABELL	8	Aur	Pl Neb 2b	16.6	PK 167-0.1 PNG 167.0-0.9
IC	2120	Aur	Pl Neb Planetary?		Minkowski 2-3 PK 169-0.1
IC	2149	Aur	Pl Neb 3b+2	11.2	PK 166+10.1 PNG 166.1+10.4
NGC	2242	Aur	Pl Neb	15.1	PNG 170.3+15.8
ABELL	15	CMa	Pl Neb 4	16.3	ESO 490-1 PK 233-16.1 PNG 233.5-16.3
IC	2165	CMa	Pl Neb 3b	12.9	PK 221-12.1 PNG 221.3-12.3
ABELL	20	CMi	Pl Neb	13.7	PK 214+7.1
ABELL	22	CMi	Pl Neb 3	15.4	Kohoutek 1-11 PK 215+11.1 PNG 215.6+11.1
ABELL	24	CMi	Pl Neb 4+3	13.6	PK 217+14.1 PNG 217.1+14.7
IC	3568	Cam	Pl Neb 2+2a	11.6	PK 123+34.1 PNG 123.6+34.5
NGC	1501	Cam	Pl Neb 3	13.3	PK 144+6.1 PNG 144.5+6.5
ABELL	2	Cas	Pl Neb 2c	16.3	PK 122-4.1 PNG 122.1-4.9
ABELL	82	Cas	Pl Neb	12.7	IC 1454
ABELL	84	Cas	Pl Neb 3b	14.4	PK 112-10.1 PNG 112.9-10.2
ABELL	6	Cas	Pl Neb 2b	15.5	PK 136+4.1 PNG 136.1+4.9
IC	1747	Cas	Pl Neb 3b	13.6	PK 130+1.1 PNG 130.2+1.3
IC	289	Cas	Pl Neb 4+2	12.3	Hubble 1 PK 138+2.1 PNG 138.8+2.8
ABELL	86	Cep	Pl Neb 2c	16.7	PK 118+8.2 PNG 118.7+8.2
ABELL	77	Cep	Pl Neb 3a+3	16.4	Sh2 -128 PK 97+3.1 PNG 97.5+3.1
IC	1454	Cep	Pl Neb 4	14.8	Abell 81 PK 117+18.1 PNG 117.5+18.9
MINK	2-51	Cep	Pl Neb 2+3	13.5	PK 103+0.1 Minkowski 2-51
NGC	40	Cep	Pl Neb 3b+3	10.7	PK 120+9.1 PNG 120.0+9.8
NGC	7076	Cep	Pl Neb 3b	17	Abell 75 PK 101+8.1 PNG 101.8+8.7
NGC	7139	Cep	Pl Neb 3b	13.3	PK 104+7.1 PNG 104.1+7.9
NGC	7354	Cep	Pl Neb 4+3b	12.9	PK 107+2.1 PNG 107.8+2.3
NGC	246	Cet	Pl Neb 3b	8	PK 118-74.1 PNG 118.8-74.7
ABELL	30	Cnc	Pl Neb 2c	15.6	PK 208+33.1 PNG 208.5+33.2
ABELL	31	Cnc	Pl Neb 3a	12.2	PK 219+31.1
IC	1297	CrA	Pl Neb	10.6	ESO 337-20 Henize 2-431 Sanduleak 2-386
NGC	4361	Crv	Pl Neb 3a+2	10.3	ESO 573-19 PK 294+43.1 PNG 294.1+43.6
ABELL	61	Cyg	Pl Neb 2b	14.4	PK 77+14.1 PNG 77.6+14.7
ABELL	71	Cyg	Pl Neb 3b	15.2	Sh2 -116 PK 85+4.1 PNG 84.9+4.4
ABELL	78	Cyg	Pl Neb	13.4	PK 81-14.1
HENIZ	2-438	Cyg	Pl Neb 4	9.6	Henize 2-438 PK 64.7+5.0 PNG 64.7+5.0 Campbell's Hydrogen Star
HENIZ	2-450	Cyg	Pl Neb 1	14.7	PK 68+3.1 Henize 2-450
IC	5117	Cyg	Pl Neb 2	13.3	PK 89-5.1 PNG 89.8-5.1
KOH	4-37	Cyg	Pl Neb		Kohoutek 4-37 PK66+2.1
KOH	4-41	Cyg	Pl Neb	15.9	Kohoutek 4-41 PK68+1.1

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Cat	No	Con	Type	Mag	Alias/Notes
NGC	6826	Cyg	Pl Neb 3a+2	9.8	Blinking Planetary PK 83+12.1 PNG 83.5+12.7
NGC	6833	Cyg	Pl Neb 2	13.8	PK 82+11.1 PNG 82.5+11.3
NGC	6884	Cyg	Pl Neb 2b	12.6	PK 82+7.1 PNG 82.1+7.0
NGC	6881	Cyg	Pl Neb 2a+3	14.3	Henize 2-456 PK 74+2.1 PNG 74.5+2.1
NGC	6894	Cyg	Pl Neb 4+2	14.4	Henize 2-460 PK 69-2.1 PNG 69.4-2.6
NGC	7008	Cyg	Pl Neb 3	13.3	PK 93+5.2 PNG 93.4+5.4
NGC	7048	Cyg	Pl Neb 3b	11.3	Hubble 9 PK 88-1.1 PNG 88.7-1.6
NGC	7026	Cyg	Pl Neb 3a	12.7	PK 89+0.1 PNG 89.0+0.3
NGC	7027	Cyg	Pl Neb 3a	10.4	PK 84-3.1 PNG 84.9-3.4
ABELL	72	Del	Pl Neb 3b	14.6	PK 59-18.1 PNG 59.7-18.7
NGC	6891	Del	Pl Neb 2a+2b	11.7	PK 54-12.1 PNG 54.1-12.1
NGC	6905	Del	Pl Neb 3+3	11.9	Henize 2-466 PK 61-9.1 PNG 61.4-9.5
IC	4677	Dra	Pl Neb Envel. of N6543	15.7	MCG 11-22-17 VV 121 PGC 61193
NGC	6543	Dra	Pl Neb 3a+2	8.8	the Cat's Eye Nebula
NGC	6742	Dra	Pl Neb 2c	15	Abell 50 PK 78+18.1 PNG 78.5+18.7
NGC	1535	Eri	Pl Neb 4+2c	9.6	PK 206-40.1 PNG 206.4-40.5
CAN	3-1	FIX	Pl Neb 2	12.4	PK 38+12.1 PNG 38.2+12.0 Cannon 3-1
HARO	4-1	FIX	Pl Neb	16	PK 49+88.1 PNG 49.3+88.1 Haro 4-1
HARO	2-8	FIX	Pl Neb 2		ESO 588-2 PK 3+7.1 PNG 3.7+7.9 Haro 2-8
HARO	2-12	FIX	Pl Neb 3		ESO 588-4 PK 4+6.1 PNG 4.5+6.8 Haro 2-12
HARO	3-29	FIX	Pl Neb	15.3	PK 174-14.1 PNG 174.2-14.6 Haro 3-29
HARO	3-75	FIX	Pl Neb	13.9	PK 193-9.1 PNG 193.6-9.5 Haro 3-75
HENIZ	2-126	FIX	Pl Neb 2	11.5	ESO 514-12 Sanduleak 2-120 Wray 16-176
HENIZ	2-118	FIX	Pl Neb	12.7	ESO 273-16 Sanduleak 2-114 Wray 16-165
HENIZ	2-155	FIX	Pl Neb	12.4	ESO 331-1 Sanduleak 2-141 Wray 16-215
HENIZ	2-171	FIX	Pl Neb	15	ESO 390-7 Wray 16-226 PK 346+8.1
HENIZ	2-175	FIX	Pl Neb	14.9	ESO 391-1 Sanduleak 2-150 Wray 16-229
HENIZ	2-178	FIX	Pl Neb	14.9	ESO 331-8 Sanduleak 2-151 Wray 16-231
HENIZ	2-180	FIX	Pl Neb 1	14.4	ESO 586-1 Sanduleak 2-152 PC 12
HENIZ	2-181	FIX	Pl Neb	13	ESO 391-3 Sanduleak 2-153 Wray 16-234
HENIZ	3-1261	FIX	Pl Neb	15.6	ESO 332-3 Sanduleak 2-154 Wray 16-235
HENIZ	2-200	FIX	Pl Neb 2	13.4	ESO 332-24 Sanduleak 2-174 Wray 16-254
HENIZ	2-214	FIX	Pl Neb 2	14.4	ESO 587-7 Sanduleak 2-189 Haro 1-11
HENIZ	2-213	FIX	Pl Neb	15.6	ESO 454-14 Sanduleak 2-190 Wray 15-1689
HENIZ	2-220	FIX	Pl Neb 1	11.9	CAN 1-3 ESO 278-9 Sanduleak 2-195
HENIZ	2-226	FIX	Pl Neb	16	ESO 454-31 Sanduleak 2-199 Wray 17-82
HENIZ	2-227	FIX	Pl Neb 4	16.1	ESO 393-1 Sanduleak 3-55 Wray 15-1712
HENIZ	2-229	FIX	Pl Neb 2	16.3	ESO 520-1 Sanduleak 2-201 Wray 17-84
HENIZ	2-231	FIX	Pl Neb 1	15.5	ESO 520-2 Sanduleak 2-206 Wray 16-276
HENIZ	2-233	FIX	Pl Neb 1	15.3	ESO 455-2 Sanduleak 2-209 Wray 17-85
HENIZ	2-234	FIX	Pl Neb 1	16.4	ESO 455-3 Sanduleak 2-210 Haro 1-18
HENIZ	2-238	FIX	Pl Neb 2	15.9	ESO 456-8 Sanduleak 2-211 Wray 16-280
HENIZ	2-240	FIX	Pl Neb	16.9	ESO 455-13 Sanduleak 3-60 Wray 17-87
HENIZ	2-241	FIX	Pl Neb	16.7	ESO 333-12 Sanduleak 2-212 Wray 16-283
HENIZ	2-242	FIX	Pl Neb 2	15.6	ESO 455-16 Sanduleak 2-214 Wray 16-285
HENIZ	2-244	FIX	Pl Neb 2	16.2	ESO 588-5 Haro 1-24 PK 4+6.2
HENIZ	2-253	FIX	Pl Neb 4	14.4	ESO 334-1 Sanduleak 2-220 Wray 16-291
HENIZ	2-260	FIX	Pl Neb	11	ESO 588-14 PK 8+6.1 PNG 8.2+6.8
HENIZ	2-257	FIX	Pl Neb	12.6	ESO 279-4 Sanduleak 2-225 Wray 16-293
HENIZ	2-261	FIX	Pl Neb 3	15.3	ESO 588-15 Sanduleak 2-226 Haro 2-16
HENIZ	2-262	FIX	Pl Neb		ESO 520-15 Sanduleak 3-68 Wray 17-94
HENIZ	2-265	FIX	Pl Neb 2	15.6	ESO 588-16 Sanduleak 2-227 Haro 1-27
HENIZ	2-264	FIX	Pl Neb 3		ESO 520-16 Sanduleak 3-69 Wray 17-95
HENIZ	2-263	FIX	Pl Neb 2		ESO 520-14 Wray 17-93 Haro 2-17
HENIZ	2-266	FIX	Pl Neb 3b	13.1	ESO 520-17 Sanduleak 2-228 Wray 16-296
HENIZ	2-194	FIX	Pl Neb 2	14.4	ESO 392-2 Wray 16-247 Haro 2-1
HENIZ	2-270	FIX	Pl Neb 1	15	ESO 193-16 Sanduleak 2-233 Wray 16-299
HENIZ	2-276	FIX	Pl Neb	14.5	ESO 393-21 Sanduleak 2-238 Wray 16-305
HENIZ	2-272	FIX	Pl Neb 2	16.1	ESO 334-6 Sanduleak 2-23 Wray 16-301
HENIZ	2-278	FIX	Pl Neb 1	16.9	ESO 393-23 Sanduleak 2-241 Wray 16-307
HENIZ	2-281	FIX	Pl Neb	16.5	ESO 589-3 Sanduleak 3-72 THE 4-2
HENIZ	2-283	FIX	Pl Neb	15.4	ESO 393-26 Haro 1-33 PK 355-3.1

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Cat	No	Con	Type	Mag	Alias/Notes
HENIZ	2-286	FIX	Pl Neb 2+6	13.6	ESO 455-42 Wray 16-310 Hubble 5
HENIZ	3-1489	FIX	Pl Neb	15.2	ESO 393-27 Sanduleak 2-246 Haro 2-23
HENIZ	2-288	FIX	Pl Neb	12.7	ESO 393-29 Sanduleak 2-247 Wray 16-311
HENIZ	2-289	FIX	Pl Neb	12	ESO 393-31 Sanduleak 2-249 Haro 1-36
HENIZ	2-293	FIX	Pl Neb	16.2	ESO 589-11 Sanduleak 2-252 THE 4-5
HENIZ	2-291	FIX	Pl Neb 2	13.8	ESO 334-9 Sanduleak 2-251 Wray 16-314
HENIZ	2-303	FIX	Pl Neb	13.9	CAN 2-1 ESO 394-10 Sanduleak 2-263
HENIZ	2-305	FIX	Pl Neb 2	13.1	ESO 589-20 Sanduleak 2-264 Hubble 6
HENIZ	2-306	FIX	Pl Neb	14	ESO 279-12 Sanduleak 2-267 Wray 16-330
HENIZ	2-308	FIX	Pl Neb 2	13	ESO 394-13 Sanduleak 2-269 Wray 16-333
HENIZ	2-310	FIX	Pl Neb	14.3	ESO 394-14 Sanduleak 2-270 Wray 16-334
HENIZ	2-311	FIX	Pl Neb	16.8	ESO 589-23 Sanduleak 3-99 THE 4-10
HENIZ	2-313	FIX	Pl Neb 1	8.5	ESO 394-15 Wray 16-335 Haro 1-43
HENIZ	2-317	FIX	Pl Neb 1	15.5	ESO 456-27 Sanduleak 2-272 Wray 16-340
HENIZ	2-318	FIX	Pl Neb 1	14.2	ESO 456-31 Sanduleak 2-274 Wray 16-342
HENIZ	2-198	FIX	Pl Neb 4	15	ESO 278-3 Sanduleak 2-173 Wray 16-249
HENIZ	2-199	FIX	Pl Neb 4	16.7	ESO 278-4 Sanduleak 3-40 Wray 16-250
HENIZ	2-320	FIX	Pl Neb 1	11.4	ESO 334-10 Sanduleak 2-277 Wray 16-346
HENIZ	2-323	FIX	Pl Neb 1		ESO 456-35 Wray 16-347 Haro 1-47
HENIZ	2-360	FIX	Pl Neb		ESO 456-69 Wray 16-381 PK 3-4.7
HENIZ	2-366	FIX	Pl Neb 1	15.5	ESO 456-75 Wray 16-388 Haro 2-43
HENIZ	2-367	FIX	Pl Neb 1		ESO 456-76 Wray 16-389 Haro 1-62
HENIZ	2-377	FIX	Pl Neb 1	12	ESO 457-2 Sanduleak 2-319 Wray 16-397
HENIZ	2-380	FIX	Pl Neb 1	12.8	ESO 457-3 Sanduleak 2-321 Wray 15-1853
HENIZ	2-389	FIX	Pl Neb 1		ESO 522-18 Wray 16-407 Haro 1-65
HENIZ	2-397	FIX	Pl Neb 4	14.4	ESO 522-24 Sanduleak 2-333 Haro 1-66
HENIZ	2-398	FIX	Pl Neb 2	14	ESO 522-25 Sanduleak 2-334 Haro 1-67
HENIZ	2-400	FIX	Pl Neb 1	13.3	ESO 522-27 Sanduleak 2-336 Wray 15-1872
HENIZ	2-402	FIX	Pl Neb	12.6	CAN 1-5 ESO 457-12 Sanduleak 2-337
HENIZ	2-406	FIX	Pl Neb	16.8	ESO 522-31 Sanduleak 2-342 Wray 16-413
HENIZ	2-407	FIX	Pl Neb 2	15.7	ESO 457-16 Sanduleak 3-135 Wray 16-414
HENIZ	2-334	FIX	Pl Neb	14.5	ESO 394-24 Sanduleak 2-288 Wray 16-359
HENIZ	3-1716	FIX	Pl Neb	15.1	ESO 591-9 Sanduleak 1-7 Sanduleak 2-351
HENIZ	2-418	FIX	Pl Neb	15.1	ESO 458-4 Sanduleak 2-360 Wray 16-417
HENIZ	2-422	FIX	Pl Neb 1	14.1	ESO 523-7 Wray 16-419 Haro 2-48
HENIZ	2-425	FIX	Pl Neb 2	10.9	CAN 1-6 ESO 458-9 Sanduleak 2-375
HENIZ	2-342	FIX	Pl Neb 1	15.7	ESO 521-24 Haro 1-53 PK 4-2.1
HENIZ	3-1592	FIX	Pl Neb 2	14.4	ESO 456-57 Sanduleak 2-299 Haro 1-56
HENIZ	2-346	FIX	Pl Neb 1	14.1	ESO 456-55 Sanduleak 2-298 Wray 16-372
HENIZ	2-353	FIX	Pl Neb 2	15.9	ESO 394-31 Sanduleak 3-121 Wray 17-113
HENIZ	2-430	FIX	Pl Neb	15.9	PK 51+3.1 PNG 51.0+3.0
HENIZ	2-432	FIX	Pl Neb	16.9	PK 55+2.1 PNG 55.2+2.8
HENIZ	1-1	FIX	Pl Neb 2+3	16.3	Henize 2-433 PK 55+2.2 PNG 55.3+2.7
HENIZ	1-2	FIX	Pl Neb		Henize 2-435 PK 55+2.3 PNG 55.6+2.1
HENIZ	2-436	FIX	Pl Neb	14.1	ESO 398-7 Sanduleak 2-391 PK 4-22.1
HENIZ	2-440	FIX	Pl Neb	16.5	PK 60+1.1 PNG 60.5+1.8
HENIZ	2-441	FIX	Pl Neb 4	12.6	Merrill 1-1 PK 52-2.2 PNG 52.5-2.9
HENIZ	1-3	FIX	Pl Neb 2	16	Henize 2-448 PK 59-1.1 PNG 59.0-1.7
HENIZ	2-426	FIX	Pl Neb 2	13.4	ESO 397-2 Sanduleak 2-381 Hubble 8
HENIZ	1-4	FIX	Pl Neb 3b	14.1	Henize 2-453 PK 68+1.2 PNG 68.6+1.1
HENIZ	1-5	FIX	Pl Neb 3+2	16.2	Henize 2-457 Henize 3-1844 PK 60-7.1
HENIZ	2-459	FIX	Pl Neb		PK 68-2.1 PNG 68.3-2.7
HENIZ	1-6	FIX	Pl Neb 3+2	14.9	Henize 2-462 PK 65-5.1 PNG 65.2-5.6
HENIZ	3-1863	FIX	Pl Neb		PNG 359.2-33.5
HENIZ	1-7	FIX	Pl Neb	13.5	Henize 2-463 PC 24 PK 66-5.1
HENIZ	2-9	FIX	Pl Neb	14.4	ESO 312-5 Sanduleak 2-26 Wray 16-21
HENIZ	2-11	FIX	Pl Neb	13.8	ESO 313-5 Wray 16-23 PK 259+0.1
HENIZ	2-15	FIX	Pl Neb	14.1	ESO 313-17 Sanduleak 2-32 Wray 16-32
HUB	12	FIX	Pl Neb	14	PK 111-2.1 PNG 111.8-2.8 Hubble 12
IRAS	18059-3211	FIX	Pl Neb Planet	14.4	
KOH	1-28	FIX	Pl Neb		ESO 436-41 PK 270+24.1 PNG 270.1+24.8
KOH	1-22	FIX	Pl Neb	12.6	ESO 378-1 PK 283+25.1 PNG 283.6+25.3

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Cat	No	Con	Type	Mag	Alias/Notes
KOH	1-23	FIX	Pl Neb	12.6	ESO 268-12 PK 299+18.1 PNG 299.0+18.4
KOH	3-90	FIX	Pl Neb	16	PK 126+3.1 PNG 126.3+2.9
KOH	1-29	FIX	Pl Neb		ESO 382-63 Longmore 8 PK 310+24.1
KOH	1-32	FIX	Pl Neb		ESO 389-9 Longmore 11 PK 340+12.1
KOH	2-16	FIX	Pl Neb	11	Wray 17-76 ESO 453-2 PK 352+11.2
KOH	1-33	FIX	Pl Neb		ESO 389-14 Longmore 12 PK 340+10.1
KOH	1-14	FIX	Pl Neb 4	15.5	PK 45+24.1 PNG 45.6+24.3
KOH	1-15	FIX	Pl Neb 3b		PK 51+25.1 PNG 51.9+25.8
KOH	1-16	FIX	Pl Neb 3	14.5	PK 94+27.1 PNG 94.0+27.4
KOH	3-1	FIX	Pl Neb	15.9	PK 32+7.1 PNG 32.9+7.8
KOH	3-3	FIX	Pl Neb 3		PK 31+5.1 PNG 31.2+5.9
KOH	3-4	FIX	Pl Neb 3b+2	15.7	PK 32+5.1 PNG 32.7+5.6
KOH	4-5	FIX	Pl Neb	15.7	PK 26-1.1 PNG 26.6-1.5
KOH	3-14	FIX	Pl Neb		PK 42+5.1 PNG 42.0+5.4
KOH	3-17	FIX	Pl Neb 2		PK 39+2.1 PNG 39.8+2.1
KOH	4-10	FIX	Pl Neb	13.6	PK 52+7.1 PNG 52.2+7.6
KOH	4-19	FIX	Pl Neb		PK 38-3.1 PNG 38.4-3.3
KOH	3-27	FIX	Pl Neb	14.9	PK 61+8.1 PNG 61.0+8.0
KOH	3-26	FIX	Pl Neb	16	PK 35-5.1 PNG 35.7-5.0
KOH	3-30	FIX	Pl Neb	15.7	PK 40-3.1 PNG 40.4-3.1
KOH	3-34	FIX	Pl Neb	15.8	PK 59+4.1 PNG 59.0+4.6
KOH	4-28	FIX	Pl Neb		PK 50-1.1 PNG 50.4-1.6
KOH	3-36	FIX	Pl Neb	15.9	PK 44-5.1 PNG 44.3-5.6
KOH	3-37	FIX	Pl Neb	16	PK 59+2.1 PNG 59.4+2.3
KOH	1-17	FIX	Pl Neb 4	16.6	PK 51+6.1 PNG 51.5+6.1
KOH	3-38	FIX	Pl Neb 2		PK 53-1.1 PNG 53.2-1.5
KOH	3-39	FIX	Pl Neb		PK 59+2.2 PNG 59.9+2.0
KOH	3-40	FIX	Pl Neb	16.4	PK 58+1.1 PNG 58.9+1.3
KOH	3-42	FIX	Pl Neb 2		PK 56-0.1 PNG 56.4-0.9
KOH	2-7	FIX	Pl Neb 3b		ESO 594-10 PK 19-19.1 PNG 19.4-19.6
KOH	4-16	FIX	Pl Neb	16.5	PK 48+4.2 PNG 48.5+4.2
KOH	3-46	FIX	Pl Neb 3b+6	16.4	PK 69+3.1 PNG 69.2+3.8
KOH	3-22	FIX	Pl Neb		PK 45+1.1 PNG 45.6+1.5
KOH	4-51	FIX	Pl Neb	15.5	PK 77+3.1 PNG 77.5+3.7
KOH	3-57	FIX	Pl Neb	15.8	PK 72+0.1 PNG 72.1+0.1
KOH	3-75	FIX	Pl Neb	17	PK 77+3.2 PNG 77.7+3.1
KOH	3-51	FIX	Pl Neb	14.7	PK 56-6.1 PNG 56.8-6.9
KOH	3-53	FIX	Pl Neb	16.8	PK 64-2.1 PNG 64.9-2.1
KOH	3-73	FIX	Pl Neb	15.2	PNG 84.0+9.5
KOH	4-53	FIX	Pl Neb	16	PK 78-2.1 PNG 78.3-2.7
KOH	1-6	FIX	Pl Neb 2		PK 107+21.1
KOH	4-55	FIX	Pl Neb		PK 84+1.1 PNG 84.2+1.0
KOH	3-54	FIX	Pl Neb		PK 63-3.1 PNG 63.8-3.3
KOH	3-56	FIX	Pl Neb 2	16.3	PK 79+6.1 PNG 79.9+6.4
KOH	3-55	FIX	Pl Neb		PK 69+0.1 PNG 69.7-0.0
KOH	3-74	FIX	Pl Neb	16.1	PK 84+9.1 PNG 78.6+5.2
KOH	3-81	FIX	Pl Neb	15.4	PK 83-8.1 PNG 83.9-8.4
KOH	3-60	FIX	Pl Neb	16	PK 98+4.1 PNG 98.2+4.9
KOH	3-61	FIX	Pl Neb 2	16.8	PK 96+2.1 PNG 96.3+2.3
KOH	3-82	FIX	Pl Neb	16	PK 93-0.1 PNG 93.3-0.9
KOH	3-62	FIX	Pl Neb	16	PK 95+0.1 PNG 95.2+0.7
KOH	3-84	FIX	Pl Neb	14.6	PK 91-4.1 PNG 91.6-4.8
KOH	3-63	FIX	Pl Neb 2	16	PK 98+2.1 PNG 98.1+2.4
KOH	1-20	FIX	Pl Neb 4	16.5	PK 110-12.1 PNG 110.6-12.9
KOH	3-92	FIX	Pl Neb	16.7	PK 130+3.1 PNG 130.4+3.1
KOH	1-26	FIX	Pl Neb		ESO 247-13 Longmore 1 PK 255-59.1
KOH	3-94	FIX	Pl Neb	16.1	PK 142+3.1 PNG 142.1+3.4
KOH	3-64	FIX	Pl Neb	16.9	PK 151+0.1 PNG 151.4+0.5
KOH	4-47	FIX	Pl Neb	7.9	PK 149+4.1 PNG 149.0+4.4
KOH	3-66	FIX	Pl Neb	15.4	PK 167-9.1 PNG 167.4-9.1
KOH	3-67	FIX	Pl Neb	13.7	PK 165-6.1 PNG 165.5-6.5
KOH	3-68	FIX	Pl Neb	16.1	Wein 2-21 PK 178-2.1 PNG 178.3-2.5
KOH	3-69	FIX	Pl Neb	16.5	PK 170+4.1 PNG 170.7+4.6

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KOH	2-1	FIX	Pl Neb 3	13.7	PK 173-5.1 PNG 173.7-5.8
KOH	3-72	FIX	Pl Neb		PK 204-3.1 PNG 204.8-3.5
KOH	4-48	FIX	Pl Neb	15.4	PK 201+2.1 PNG 201.7+2.5
KOH	2-2	FIX	Pl Neb 3	12.5	PK 204+4.1 PNG 204.1+4.7
KOH	1-10	FIX	Pl Neb 3b		PK 229-2.1 PNG 229.6-2.7
KOH	1-12	FIX	Pl Neb 2	15.9	ESO 560-16 PK 236+3.1 PNG 236.7+3.5
KOH	2-3	FIX	Pl Neb 3	14.5	ESO 558-11 PK 234-6.1 PNG 234.3-6.6
KOH	1-21	FIX	Pl Neb	16	ESO 369-4 PK 251-1.1 PNG 251.1-1.5
KOH	2-15	FIX	Pl Neb	13.4	ESO 260-8 PK 263+0.1 PNG 263.2+0.4
KOH	1-2	FIX	Pl Neb 2	15.3	ESO 432-14 PK 253+10.1 PNG 253.5+10.7
LONG	4	FIX	Pl Neb	16	ESO 263-2 PK 274+9.1 PNG 274.3+9.1 Longmore 4
LONG	13	FIX	Pl Neb		PK 345+15.1 PNG 345.5+15.1 Longmore 13
LONG	16	FIX	Pl Neb	13.3	PK 349-4.1 PNG 349.3-4.2 Longmore 16
LONG	17	FIX	Pl Neb		ESO 395-7 PK 356-11.1 PNG 356.8-11.7 Longmore 17
MERR	2-2	FIX	Pl Neb 1	11.5	PK 100-8.1 PNG 100.0-8.7 Merrill 2-2
MINK	4-3	FIX	Pl Neb	14.1	Minkowski 4-3 ESO 519-7 Henize 2-202 Sanduleak 2-175
MINK	3-36	FIX	Pl Neb 2	14.8	Minkowski 3-36 ESO 519-10 Henize 2-203 Sanduleak 2-178
MINK	2-10	FIX	Pl Neb 2	16.8	Minkowski 2-10 ESO 454-1 Henize 2-205 Wray 15-1647
MINK	2-4	FIX	Pl Neb 1	13.4	Minkowski 2-4 ESO 391-7 Henize 2-188 Sanduleak 2-163
MINK	3-37	FIX	Pl Neb 2a	16.4	Minkowski 3-37 ESO 519-12 Henize 2-209 Sanduleak 2-184
MINK	2-11	FIX	Pl Neb 1	14.4	Minkowski 2-11 ESO 454-11 Henize 2-210 Sanduleak 2-186
MINK	3-39	FIX	Pl Neb 3+2	15.2	Minkowski 3-39 ESO 519-13 Henize 2-212 Sanduleak 2-188
MINK	3-38	FIX	Pl Neb	16.5	Minkowski 3-38 ESO 454-13 Henize 2-211 Sanduleak 2-187
MINK	2-5	FIX	Pl Neb 2	16.4	Minkowski 2-5 ESO 391-8 Henize 2-190 Wray 16-246
MINK	3-40	FIX	Pl Neb	13.1	Minkowski 3-40 ESO 519-14 Henize 2-216 Sanduleak 3-46
MINK	2-12	FIX	Pl Neb 1		Minkowski 2-12 ESO 519-16 Henize 2-217 Wray 17-77
MINK	3-7	FIX	Pl Neb 2	14.9	Minkowski 3-7 ESO 454-19 Henize 2-218 Sanduleak 2-194
MINK	3-8	FIX	Pl Neb 2	16.7	Minkowski 3-8 ESO 454-22 Henize 2-219 Wray 16-271
MINK	3-9	FIX	Pl Neb 3	15	Minkowski 3-9 ESO 519-17 Henize 2-221 Sanduleak 2-196
MINK	3-41	FIX	Pl Neb 2		Minkowski 3-41 ESO 454-25 Henize 2-223 Wray 17-79
MINK	3-42	FIX	Pl Neb 2	16.9	Minkowski 3-42 Sanduleak 3-52 Wray 17-80 PK 357+3.4
MINK	3-10	FIX	Pl Neb	14.2	Minkowski 3-10 ESO 454-27 Henize 2-225 Sanduleak 2-198
MINK	2-13	FIX	Pl Neb 1	14.4	Minkowski 2-13 Henize 2-230 Sanduleak 2-203 PK 11+11.1
MINK	1-20	FIX	Pl Neb 1	13.4	Minkowski 1-20 ESO 588-3 Henize 2-235 Sanduleak 2-204
MINK	1-19	FIX	Pl Neb 1	14.2	Minkowski 1-19 ESO 392-1 Henize 2-191 Sanduleak 2-165
MINK	1-22	FIX	Pl Neb 4	13.3	Minkowski 1-22 ESO 588-8 Henize 2-252 Sanduleak 2-217
MINK	3-12	FIX	Pl Neb 2	14.8	Minkowski 3-12 ESO 588-10 Henize 2-255 Sanduleak 2-221
MINK	1-23	FIX	Pl Neb 2	14.2	Minkowski 1-23 ESO 588-11 Henize 2-256 Sanduleak 2-222
MINK	1-24	FIX	Pl Neb 2	14.2	Minkowski 1-24 ESO 588-12 Henize 2-258 Sanduleak 2-223
MINK	1-25	FIX	Pl Neb 2	14	Minkowski 1-25 ESO 588-13 Henize 2-259 Sanduleak 2-224
MINK	2-6	FIX	Pl Neb 1	13.7	Minkowski 2-6 ESO 453-16 Henize 2-192 Sanduleak 2-166
MINK	3-14	FIX	Pl Neb 2a	14.5	Minkowski 3-14 ESO 393-19 Henize 2-271 Sanduleak 2-234
MINK	3-15	FIX	Pl Neb 2	14.6	Minkowski 3-15 ESO 589-2 Henize 2-279 Sanduleak 2-240
MINK	1-26	FIX	Pl Neb 2	13.7	Minkowski 1-26 ESO 455-33 RCW 135 Henize 2-277
MINK	1-27	FIX	Pl Neb 2a		Minkowski 1-27 ESO 393-24 Henize 2-280 Wray 16-308
MINK	2-15	FIX	Pl Neb 2	14.2	Minkowski 2-15 Henize 2-284 Sanduleak 2-242 PK 11+6.1
MINK	1-28	FIX	Pl Neb 3+6	16.8	Minkowski 1-28 ESO 589-6 Henize 2-285 Sanduleak 3-76
MINK	1-29	FIX	Pl Neb 4+2	13.6	Minkowski 1-29 ESO 455-47 Henize 2-292 Sanduleak 2-250
MINK	3-43	FIX	Pl Neb 2		Minkowski 3-43 ESO 455-48 PK 0-1.1 PNG 0.1-1.1
MINK	3-44	FIX	Pl Neb 2	16	Minkowski 3-44 ESO 455-51 Sanduleak 3-82 Wray 16-317
MINK	2-7	FIX	Pl Neb 2	16.5	Minkowski 2-7 ESO 453-17 Henize 2-196 Sanduleak 2-169
MINK	4-7	FIX	Pl Neb 2		Minkowski 4-7 ESO 455-54 PK 358-2.1 PNG 358.5-2.5
MINK	2-16	FIX	Pl Neb 2	14.8	Minkowski 2-16 ESO 394-4 Henize 2-297 Sanduleak 2-256
MINK	2-17	FIX	Pl Neb 2	14.8	Minkowski 2-17 ESO 589-14 Henize 2-298 Sanduleak 2-255
MINK	1-31	FIX	Pl Neb 1	13.6	Minkowski 1-31 ESO 589-16 Henize 2-299 Sanduleak 2-260
MINK	3-16	FIX	Pl Neb 2	15	Minkowski 3-16 ESO 456-2 Henize 2-296 Sanduleak 2-258
MINK	1-30	FIX	Pl Neb	14.7	Minkowski 1-30 ESO 394-5 Henize 2-295 Sanduleak 2-259
MINK	3-45	FIX	Pl Neb 2	16.5	Minkowski 3-45 ESO 455-53 Sanduleak 3-84 Wray 17-100
MINK	2-8	FIX	Pl Neb 2	14.9	Minkowski 2-8 ESO 453-18 Henize 2-197 Sanduleak 2-170
MINK	2-18	FIX	Pl Neb 1	15.5	Minkowski 2-18 ESO 394-8 Henize 2-301 Sanduleak 2-261
MINK	2-19	FIX	Pl Neb 2	16.2	Minkowski 2-19 ESO 456-7 Henize 2-302 Sanduleak 3-88
MINK	2-20	FIX	Pl Neb 1	14.8	Minkowski 2-20 ESO 456-12 Henize 2-304 Sanduleak 2-262
MINK	1-32	FIX	Pl Neb 2	15	Minkowski 1-32 Henize 2-309 Sanduleak 2-268 PK 11+4.1

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MINK	3-19	FIX	Pl Neb 2	16.4	Minkowski 3-19 ESO 456-26 Sanduleak 3-103 Wray 16-339
MINK	2-22	FIX	Pl Neb 2	15.2	Minkowski 2-22 ESO 394-16 Henize 2-316 Sanduleak 2-273
MINK	1-33	FIX	Pl Neb 2	13.7	Minkowski 1-33 Henize 2-321 Sanduleak 2-275 PK 13+4.1
MINK	2-21	FIX	Pl Neb 1	13.5	Minkowski 2-21 ESO 456-24 Henize 2-315 Sanduleak 2-271
MINK	3-20	FIX	Pl Neb 1	14.3	Minkowski 3-20 ESO 456-32 Henize 2-319 Sanduleak 2-276
MINK	3-52	FIX	Pl Neb		Minkowski 3-52 PK 18+4.1 PNG 18.9+4.1
MINK	1-42	FIX	Pl Neb 4	13.1	Minkowski 1-42 ESO 456-67 Henize 2-359 Sanduleak 2-305
MINK	1-34	FIX	Pl Neb 2	14.9	Minkowski 1-34 ESO 394-18 Henize 2-324 Sanduleak 2-279
MINK	2-30	FIX	Pl Neb 1	13.1	Minkowski 2-30 ESO 456-74 Henize 2-365 Sanduleak 2-312
MINK	4-8	FIX	Pl Neb		Minkowski 4-8 Sanduleak 3-123 PK 18+3.1 PNG 18.9+3.6
MINK	2-31	FIX	Pl Neb	13.6	Minkowski 2-31 ESO 522-6 Henize 2-368 Sanduleak 2-313
MINK	4-9	FIX	Pl Neb 4	16	Minkowski 4-9 Sanduleak 3-125 PK 24+5.1 PNG 24.2+5.9
MINK	2-23	FIX	Pl Neb 1	12.4	Minkowski 2-23 ESO 456-33 Henize 2-326 Sanduleak 2-281
MINK	2-32	FIX	Pl Neb 1	12.4	Minkowski 2-32 ESO 394-35 Henize 2-371 Sanduleak 2-316
MINK	3-25	FIX	Pl Neb	15.1	Minkowski 3-25 Sanduleak 2-318 PK 19+3.1 PNG 19.7+3.2
MINK	2-33	FIX	Pl Neb 2	13.1	Minkowski 2-33 ESO 456-80 Henize 2-372 Sanduleak 2-317
MINK	3-26	FIX	Pl Neb 4	13.8	Minkowski 3-26 ESO 522-10 Henize 2-378 Sanduleak 2-320
MINK	1-44	FIX	Pl Neb 2	16.1	Minkowski 1-44 ESO 522-11 Henize 2-379 Wray 16-399
MINK	2-34	FIX	Pl Neb 2	16.2	Minkowski 2-34 ESO 522-12 Henize 2-382 Sanduleak 3-127
MINK	2-35	FIX	Pl Neb 1	15.3	Minkowski 2-35 ESO 457-4 Henize 2-384 Sanduleak 2-324
MINK	2-36	FIX	Pl Neb 2	13	Minkowski 2-36 ESO 457-5 Henize 2-385 Sanduleak 2-325
MINK	2-38	FIX	Pl Neb 4	15.1	Minkowski 2-38 ESO 522-17 Henize 2-388 Sanduleak 2-328
MINK	2-40	FIX	Pl Neb 2	16.1	Minkowski 2-40 PK 24+3.1 PNG 24.1+3.8
MINK	3-22	FIX	Pl Neb 2c	15.1	Minkowski 3-22 ESO 456-39 Sanduleak 2-283 Haro 1-48
MINK	2-24	FIX	Pl Neb 2	14.6	Minkowski 2-24 ESO 394-20 Henize 2-327 Sanduleak 2-282
MINK	2-39	FIX	Pl Neb 2	14.5	Minkowski 2-39 ESO 522-20 Henize 2-391 Sanduleak 2-329
MINK	2-42	FIX	Pl Neb 2	14	Minkowski 2-42 ESO 522-21 Henize 2-393 Sanduleak 2-331
MINK	2-41	FIX	Pl Neb 4	14.7	Minkowski 2-41 ESO 457-10 Henize 2-392 Sanduleak 2-330
MINK	3-49	FIX	Pl Neb 4	16.5	Minkowski 3-49 ESO 394-22 Henize 2-329 Sanduleak 3-112
MINK	3-21	FIX	Pl Neb	11.7	Minkowski 3-21 ESO 394-21 Henize 2-328 Sanduleak 2-284
MINK	1-45	FIX	Pl Neb 1		Minkowski 1-45 ESO 590-18 Henize 2-395 PK 12-2.1
MINK	2-25	FIX	Pl Neb 3	15	Minkowski 2-25 ESO 456-40 Henize 2-330 Sanduleak 2-285
MINK	2-43	FIX	Pl Neb 1	16.8	Minkowski 2-43 Sanduleak 3-133 PK 27+4.1 PNG 27.6+4.2
MINK	3-27	FIX	Pl Neb 1	14	Minkowski 3-27 PK 43+11.1 PNG 43.3+11.6
MINK	1-46	FIX	Pl Neb 4+2	14.6	Minkowski 1-46 Henize 2-401 PK 16-1.1 PNG 16.4-1.9
MINK	1-47	FIX	Pl Neb 2	13.1	Minkowski 1-47 ESO 591-2 Henize 2-403 Sanduleak 2-338
MINK	1-48	FIX	Pl Neb 2	15.7	Minkowski 1-48 ESO 591-3 Henize 2-404 Sanduleak 2-339
MINK	2-26	FIX	Pl Neb 2a	16.3	Minkowski 2-26 ESO 521-14 Henize 2-332 Sanduleak 3-113
MINK	1-50	FIX	Pl Neb 2	13	Minkowski 1-50 ESO 591-7 Henize 2-409 Sanduleak 2-344
MINK	1-51	FIX	Pl Neb 3	16.7	Minkowski 1-51 Henize 2-411 PK 21-1.1 PNG 20.9-1.1
MINK	3-54	FIX	Pl Neb	16.6	Minkowski 3-54 Sanduleak 3-137 PK 18-2.1 PNG 18.6-2.2
MINK	1-52	FIX	Pl Neb 2	15.5	Minkowski 1-52 Sanduleak 2-346 PK 17-2.1 PNG 17.7-2.9
MINK	1-35	FIX	Pl Neb 2	14.6	Minkowski 1-35 ESO 521-17 Henize 2-336 Sanduleak 2-287
MINK	4-10	FIX	Pl Neb	15	Minkowski 4-10 Sanduleak 2-347 PK 19-2.1 PNG 19.2-2.2
MINK	2-27	FIX	Pl Neb 1	14	Minkowski 2-27 ESO 456-44 Henize 2-335 Sanduleak 2-289
MINK	1-53	FIX	Pl Neb 2	13.9	Minkowski 1-53 ESO 591-8 Henize 2-412 Sanduleak 2-349
MINK	1-55	FIX	Pl Neb		Minkowski 1-55 ESO 591-10 Henize 2-414 PK 11-6.1
MINK	1-54	FIX	Pl Neb 3	12.5	Minkowski 1-54 Henize 2-413 Sanduleak 2-350 PK 16-4.1
MINK	2-44	FIX	Pl Neb 4	15	Minkowski 2-44 Sanduleak 2-354 PK 28+1.1 PNG 28.5+1.6
MINK	1-56	FIX	Pl Neb 1	13.3	Minkowski 1-56 Henize 2-415 Sanduleak 2-353 PK 16-4.2
MINK	3-29	FIX	Pl Neb 2	13.1	Minkowski 3-29 ESO 458-1 Henize 2-416 Sanduleak 2-355
MINK	1-57	FIX	Pl Neb 2	13.5	Minkowski 1-57 Sanduleak 2-356 PK 22-2.1 PNG 22.1-2.4
MINK	3-30	FIX	Pl Neb 4	14.6	Minkowski 3-30 Sanduleak 3-143 PK 17-4.1 PNG 17.9-4.8
MINK	1-58	FIX	Pl Neb 2	13.9	Minkowski 1-58 Sanduleak 2-357 PK 22-3.1 PNG 22.0-3.1
MINK	1-59	FIX	Pl Neb 2	13.3	Minkowski 1-59 Sanduleak 2-358 PK 23-2.1 PNG 23.9-2.3
MINK	1-60	FIX	Pl Neb 1	14.1	Minkowski 1-60 Sanduleak 2-359 PK 19-4.1 PNG 19.7-4.5
MINK	3-31	FIX	Pl Neb 1	14.3	Minkowski 3-31 ESO 591-15 Henize 2-419 Sanduleak 2-361
MINK	3-32	FIX	Pl Neb 2	13.6	Minkowski 3-32 ESO 523-6 Henize 2-420 Sanduleak 2-362
MINK	3-50	FIX	Pl Neb 2	15.9	Minkowski 3-50 ESO 394-25 Sanduleak 2-290 PK 357-6.1
MINK	3-33	FIX	Pl Neb 2	13.5	Minkowski 3-33 ESO 523-9 Henize 2-423 Sanduleak 2-367
MINK	1-64	FIX	Pl Neb 4	12.8	Minkowski 1-64 PK 64+15.1 PNG 64.9+15.5
MINK	1-62	FIX	Pl Neb 2	13.2	Minkowski 1-62 ESO 523-10 Henize 2-424 Sanduleak 2-369
MINK	1-63	FIX	Pl Neb 2	14.3	Minkowski 1-63 Sanduleak 2-371 PK 21-5.1 PNG 21.1-5.9

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Cat	No	Con	Type	Mag	Alias/Notes
MINK	2-28	FIX	Pl Neb 2	15.4	Minkowski 2-28 ESO 456-49 Henize 2-338 Sanduleak 2-293
MINK	1-37	FIX	Pl Neb 1		Minkowski 1-37 ESO 456-50 Henize 2-339 Wray 16-367
MINK	4-11	FIX	Pl Neb 2	14.9	Minkowski 4-11 Sanduleak 2-373 PK 24-5.1 PNG 24.2-5.2
MINK	1-65	FIX	Pl Neb 2	16.6	Minkowski 1-65 PK 43+3.1 PNG 43.1+3.8
MINK	1-66	FIX	Pl Neb 1	13.2	Minkowski 1-66 Sanduleak 2-378 PK 32-2.1 PNG 32.7-2.0
MINK	2-29	FIX	Pl Neb 2	14.7	Minkowski 2-29 ESO 521-27 Henize 2-345 Sanduleak 2-296
MINK	1-38	FIX	Pl Neb	9.3	Minkowski 1-38 ESO 456-52 Henize 2-344 Wray 16-368
MINK	3-24	FIX	Pl Neb 2	14.2	Minkowski 3-24 ESO 521-30 Henize 2-350 Sanduleak 2-300
MINK	3-23	FIX	Pl Neb 2	13.8	Minkowski 3-23 ESO 456-54 Henize 2-348 Sanduleak 2-297
MINK	1-40	FIX	Pl Neb 2	14.7	Minkowski 1-40 ESO 590-2 Henize 2-352 Sanduleak 2-302
MINK	1-41	FIX	Pl Neb	17	Minkowski 1-41 Henize 2-355 Wray 17-112 PK 6-2.1
MINK	167	FIX	Pl Neb	8.2	Minkowski 167 Sh2 -80 Henize 2-427 PK 50+3.1
MINK	2-47	FIX	Pl Neb 2	14.9	Minkowski 2-47 PK 39-2.1 PNG 39.5-2.7
MINK	4-13	FIX	Pl Neb 4	16.3	Minkowski 4-13 Henize 2-429 PK 48+1.1 PNG 48.7+1.9
MINK	1-69	FIX	Pl Neb 1	13.9	Minkowski 1-69 PK 38-3.2 PNG 38.7-3.3
MINK	4-14	FIX	Pl Neb 4+3	14.8	Minkowski 4-14 PK 43-3.1 PNG 43.0-3.0
MINK	3-34	FIX	Pl Neb 2	12.6	Minkowski 3-34 Sanduleak 2-390 PK 31-10.1 PNG 31.0-10.8
MINK	4-15	FIX	Pl Neb 6	16.9	Minkowski 4-15 Henize 2-437 PK 61+3.1 PNG 61.3+3.6
MINK	1-71	FIX	Pl Neb	14	Minkowski 1-71 Henize 2-439 PK 55-0.1 PNG 55.5-0.5
MINK	4-16	FIX	Pl Neb	16.2	Minkowski 4-16 Henize 2-442 PK 61+2.1 PNG 61.8+2.1
MINK	1-72	FIX	Pl Neb 1	16.5	Minkowski 1-72 Henize 2-444 PK 54-2.1 PNG 54.4-2.5
MINK	1-73	FIX	Pl Neb 2	13.9	Minkowski 1-73 Henize 2-443 PK 51-3.1 PNG 51.9-3.8
MINK	1-74	FIX	Pl Neb 1	12.8	Minkowski 1-74 Henize 2-445 PK 52-4.1 PNG 52.2-4.0
MINK	2-48	FIX	Pl Neb 3	16.5	Minkowski 2-48 Henize 2-449 PK 62-0.1 PNG 62.4-0.2
MINK	3-35	FIX	Pl Neb 1	14.6	Minkowski 3-35 Henize 2-465 PK 71-2.1 PNG 71.6-2.3
MINK	1-75	FIX	Pl Neb 3b+6	16	Minkowski 1-75 Henize 2-454 PK 68-0.1 PNG 68.8-0.0
MINK	4-17	FIX	Pl Neb 4+2	14.5	Minkowski 4-17 PK 79+5.1 PNG 79.6+5.8
MINK	1-77	FIX	Pl Neb 2a	10.6	Minkowski 1-77 PK 89-2.1 PNG 89.3-2.2
MINK	1-78	FIX	Pl Neb	16.9	Minkowski 1-78 PK 93+1.1 PNG 93.5+1.4
MINK	1-79	FIX	Pl Neb 4	13.2	Minkowski 1-79 PK 93-2.1 PNG 93.3-2.4
MINK	2-49	FIX	Pl Neb 1	15.8	Minkowski 2-49 PK 95-2.1 PNG 95.1-2.0
MINK	2-50	FIX	Pl Neb 2	14.5	Minkowski 2-50 PK 97-2.1 PNG 97.6-2.4
MINK	2-52	FIX	Pl Neb 3	14	Minkowski 2-52 PK 103+0.2 PNG 103.7+0.4
MINK	2-53	FIX	Pl Neb 3b	15.1	Minkowski 2-53 PK 104-1.1 PNG 104.4-1.6
MINK	2-54	FIX	Pl Neb		Minkowski 2-54 PK 104-6.1 PNG 104.8-6.7
MINK	1-80	FIX	Pl Neb 2	14	Minkowski 1-80 PK 107-2.1 PNG 107.7-2.2
MINK	2-55	FIX	Pl Neb 3	14.3	Minkowski 2-55 PK 116+8.1 PNG 116.2+8.5
MINK	1-4	FIX	Pl Neb	13.6	Minkowski 1-4 PK 147-2.1 PNG 147.4-2.3
MINK	2-2	FIX	Pl Neb 3	14	Minkowski 2-2 PK 147+4.1 PNG 147.8+4.1
MINK	4-18	FIX	Pl Neb	15.8	Minkowski 4-18 PK 146+7.1 PNG 146.7+7.6
MINK	1-5	FIX	Pl Neb 1	14.6	Minkowski 1-5 PK 184-2.1 PNG 184.0-2.1
MINK	1-6	FIX	Pl Neb	16.1	Minkowski 1-6 Sanduleak 3-1 PK 211-3.1 PNG 211.2-3.5
MINK	1-8	FIX	Pl Neb	14.2	Minkowski 1-8 PK 210+1.1 PNG 210.3+1.9
MINK	1-11	FIX	Pl Neb 1	15.9	Minkowski 1-11 ESO 558-14 PK 232-4.1 PNG 232.8-4.7
MINK	3-2	FIX	Pl Neb 3b	15.7	Minkowski 3-2 ESO 428-5 Henize 2-2 Sanduleak 3-2
MINK	1-12	FIX	Pl Neb	15.2	Minkowski 1-12 ESO 559-3 PK 235-3.1 PNG 235.3-3.9
MINK	1-13	FIX	Pl Neb	12.9	Minkowski 1-13 ESO 559-6 Sanduleak 2-7 PK 232-1.1
MINK	3-1	FIX	Pl Neb ?+6	11.9	Minkowski 3-1 ESO 427-30 Henize 2-1 Sanduleak 2-3
MINK	3-3	FIX	Pl Neb 4	14.2	Minkowski 3-3 Sanduleak 2-8 PK 221+5.1 PNG 221.7+5.3
MINK	1-14	FIX	Pl Neb	13.4	Minkowski 1-14 ESO 559-11 Sanduleak 2-9 PK 235-1.1
MINK	4-2	FIX	Pl Neb 2	12.9	Minkowski 4-2 ESO 368-3 Henize 2-3 Sanduleak 2-1
MINK	1-16	FIX	Pl Neb ?+4	13.2	Minkowski 1-16 Sanduleak 2-11 PK 226+5.1 PNG 226.7+5.6
MINK	1-17	FIX	Pl Neb	13.4	Minkowski 1-17 Sanduleak 2-12 PK 228+5.1 PNG 228.8+5.3
MINK	1-18	FIX	Pl Neb 2b	14	Minkowski 1-18 Sanduleak 2-15 PK 231+4.1 PNG 231.4+4.3
MINK	1-9	FIX	Pl Neb 1	13.3	Minkowski 1-9 PK 212+4.1 PNG 212.0+4.3
MINK	3-4	FIX	Pl Neb 4	11.8	Minkowski 3-4 ESO 494-2 Sanduleak 2-19 Wray 19-3
MINK	3-5	FIX	Pl Neb 4	13.8	Minkowski 3-5 ESO 430-10 Henize 2-6 Sanduleak 2-20
PB	9	FIX	Pl Neb 1	14.7	PK 46-3.1 PNG 46.3-3.1
PB	10	FIX	Pl Neb	14.8	PK 48-2.1 PNG 48.0-2.3
PC	19	FIX	Pl Neb	12.1	PK 32+7.2 PNG 32.1+7.0
PC	20	FIX	Pl Neb 1		PK 31+1.1 PNG 31.7+1.7
PC	22	FIX	Pl Neb	14.4	PK 51-4.1 PNG 51.0-4.5
PEREK	1-12	FIX	Pl Neb 2	16	ESO 457-6 PK 4-5.3 PNG 4.0-5.8

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PK	119+0.1	FIX	Pl Neb	15.6	PNG 119.3+0.3
PK	119-6.1	FIX	Pl Neb 2	13.3	PNG 119.6-6.7
PK	108-76.1	FIX	Pl Neb	16.3	PNG 108.4-76.1
PK	121+0.1	FIX	Pl Neb	15.4	PNG 121.6-0.0
PK	125-47.1	FIX	Pl Neb		PNG 125.9-47.0
PK	118+2.1	FIX	Pl Neb Planet		
PK	124-7.1	FIX	Pl Neb		PNG 124.3-7.7
PK	291+19.1	FIX	Pl Neb	16.2	ESO 320-28 PNG 291.4+19.2
PK	339+88.1	FIX	Pl Neb		PNG 339.9+88.4
PK	131-5.1	FIX	Pl Neb	14.9	PNG 131.4-5.4
PK	335+12.1	FIX	Pl Neb 4 SNR		PNG 335.5+12.4
PK	61+41.1	FIX	Pl Neb	13.3	PNG 61.9+41.3
PK	343-0.1	FIX	Pl Neb		PNG 343.3-0.6
PK	358+4.3	FIX	Pl Neb 4		PNG 358.8+4.1
PK	358+3.9	FIX	Pl Neb		PNG 358.5+3.7
PK	359+2.5	FIX	Pl Neb 1		PNG 359.0+2.8
PK	357+1.2	FIX	Pl Neb		PNG 357.2+1.4
PK	359+2.7	FIX	Pl Neb		PNG 359.5+2.6
PK	0+2.1	FIX	Pl Neb		PNG 0.1+2.6
PK	357+1.3	FIX	Pl Neb		PNG 357.6+1.0
PK	359+2.6	FIX	Pl Neb		PNG 359.6+2.2
PK	27+16.1	FIX	Pl Neb	16.3	PNG 27.6+16.9
PK	358-2.4	FIX	Pl Neb		PNG 358.3-2.5
PK	0-1.2	FIX	Pl Neb		ESO 455-58 PNG 0.6-1.3
PK	0-1.7	FIX	Pl Neb		PNG 0.5-1.6
PK	6+1.1	FIX	Pl Neb		PNG 6.2+1.0
PK	5-3.3	FIX	Pl Neb 4	16.1	PNG 5.7-3.6
PK	2-5.2	FIX	Pl Neb 4	14.6	PNG 2.5-5.4
PK	22+4.1	FIX	Pl Neb		PNG 22.5+4.8
PK	5-4.2	FIX	Pl Neb	16.7	PNG 5.6-4.7
PK	3-7.1	FIX	Pl Neb 2	16.7	PNG 3.3-7.5
PK	359-4.5	FIX	Pl Neb 2	16.6	PNG 359.7-4.4
PK	13-2.1	FIX	Pl Neb	15.2	PNG 13.8-2.8
PK	23+1.1	FIX	Pl Neb		PNG 23.9+1.2
PK	1-3.7	FIX	Pl Neb 1	15.8	PNG 1.2-3.9
PK	9-7.1	FIX	Pl Neb	15	PNG 9.8-7.5
PK	51+9.1	FIX	Pl Neb	12.2	PNG 51.4+9.6
PK	31-0.2	FIX	Pl Neb		PNG 31.3-0.5
PK	31-0.1	FIX	Pl Neb		PNG 31.9-0.3
PK	1-3.9	FIX	Pl Neb	16.2	PNG 1.8-3.8
PK	35-0.1	FIX	Pl Neb	12.8	PNG 35.1-0.7
PK	28+10.1	FIX	Pl Neb	16.8	PNG 28.0+10.2
PK	19+5.1	FIX	Pl Neb 2	16.3	PNG 19.8+5.6
PK	359-5.1	FIX	Pl Neb 2	16.4	PNG 359.9-5.4
PK	4-3.2	FIX	Pl Neb 2	16.6	PNG 4.2-3.2
PK	351-10.2	FIX	Pl Neb SNR?		PNG 351.0-10.4
PK	5-2.2	FIX	Pl Neb		PNG 5.9-2.6
PK	23-7.1	FIX	Pl Neb	15.3	PNG 23.3-7.6
PK	29-7.1	FIX	Pl Neb	15.6	PNG 29.8-7.8
PK	51+2.1	FIX	Pl Neb	17	PNG 51.0+2.8
PK	19-13.1	FIX	Pl Neb	14	ESO 593-9 PNG 19.4-13.6
PK	51+1.1	FIX	Pl Neb 4		PNG 51.3+1.8
PK	14-11.1	FIX	Pl Neb		PNG 14.7-11.8
PK	43+2.1	FIX	Pl Neb		PNG 43.3+2.2
PK	36-1.2	FIX	Pl Neb		PNG 36.9-1.1
PK	34-10.1	FIX	Pl Neb 3		PNG 34.1-10.5
PK	14-25.1	FIX	Pl Neb		PNG 14.8-25.6
PK	46+2.1	FIX	Pl Neb		PNG 46.8+2.9
PK	36-2.1	FIX	Pl Neb		PNG 36.9-2.6
PK	58-5.1	FIX	Pl Neb		PNG 58.6-5.5
PK	75+4.1	FIX	Pl Neb 3b	16	PNG 75.6+4.3
PK	89-0.1	FIX	Pl Neb 3a	14.5	PNG 89.8-0.6
PK	80-6.1	FIX	Pl Neb Planet	13.5	

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Cat	No	Con	Type	Mag	Alias/Notes
PK	86-8.1	FIX	Pl Neb 2	12.7	PNG 86.5-8.8
PK	6-41.1	FIX	Pl Neb	16.7	PNG 6.0-41.9
PK	107+7.1	FIX	Pl Neb		PNG 107.7+7.8
PK	111+11.1	FIX	Pl Neb		PNG 111.0+11.6
PK	138+4.1	FIX	Pl Neb		PNG 138.1+4.1
PK	149-9.1	FIX	Pl Neb		PNG 149.4-9.2
PK	136+5.1	FIX	Pl Neb SNR?		PNG 136.3+5.5
PK	156-13.1	FIX	Pl Neb		PNG 156.9-13.3
PK	149-3.1	FIX	Pl Neb SNR?		PNG 149.7-3.3
PK	171-25.1	FIX	Pl Neb 4	13.9	PNG 171.3-25.8
PK	242-37.1	FIX	Pl Neb		PNG 243.8-37.1
PK	205-26.1	FIX	Pl Neb	14.8	PNG 205.8-26.7
PK	173+2.1	FIX	Pl Neb		PNG 173.7+2.7
PK	181+0.1	FIX	Pl Neb	15.8	PNG 181.5+0.9
PK	11+17.1	FIX	Pl Neb		PNG 228.2-22.1
PK	197-6.1	FIX	Pl Neb SNR?		PNG 197.4-6.4
PK	183+5.1	FIX	Pl Neb		PNG 183.8+5.5
PK	158+17.1	FIX	Pl Neb 3	11.2	PNG 158.9+17.8
PK	218-10.1	FIX	Pl Neb	15.4	PNG 218.9-10.7
PK	192+7.1	FIX	Pl Neb		PNG 192.5+7.2
PK	233-10.1	FIX	Pl Neb 4	16.3	PNG 233.0-10.1
PK	236-10.1	FIX	Pl Neb 5		PNG 236.0-10.6
PK	239-12.1	FIX	Pl Neb	15.1	ESO 427-19 PNG 239.6-12.0
PK	232+5.1	FIX	Pl Neb		PNG 232.0+5.7
PK	211+18.1	FIX	Pl Neb 5		PNG 211.4+18.4
PK	164+31.1	FIX	Pl Neb 4	14	PNG 164.8+31.1
PK	217+2.1	FIX	Pl Neb	14.1	STEPH 3-1 PNG 217.4+2.0
PK	211+22.1	FIX	Pl Neb SNR?		PNG 211.9+22.6
PK	249+6.1	FIX	Pl Neb		PNG 249.0+6.9
PK	221+46.1	FIX	Pl Neb SNR?	10.4	PNG 221.5+46.3
PNG	358.0+7.5	FIX	Pl Neb		
PNG	0.3+6.9	FIX	Pl Neb		
PNG	359.8+5.2	FIX	Pl Neb		
PNG	2.9+6.5	FIX	Pl Neb		
PNG	2.1+3.3	FIX	Pl Neb		
PNG	359.2+1.2	FIX	Pl Neb		
PNG	358.8-0.0	FIX	Pl Neb		
PNG	3.9+1.6	FIX	Pl Neb		
PNG	2.2+0.5	FIX	Pl Neb		
PNG	12.2+4.9	FIX	Pl Neb		
PNG	14.9-3.1	FIX	Pl Neb		
PNG	29.2-0.0	FIX	Pl Neb		
PNG	5.4-1.9	FIX	Pl Neb		
PNG	60.4+1.5	FIX	Pl Neb		
PNG	110.1+1.9	FIX	Pl Neb		
PNG	143.6+23.8	FIX	Pl Neb		
PNG	254.6+0.2	FIX	Pl Neb	11.5	ESO 370-9
PNG	260.7+0.9	FIX	Pl Neb		
RCW	181	FIX	Pl Neb 3b		PK 38+2.1 PNG 38.7+1.9
RCW	21	FIX	Pl Neb	14	ESO 313-1 Wray 19-11 PK 257+0.1
SAND	2-135	FIX	Pl Neb 2	14	ESO 389-16 Wray 16-209 Haro 1-1
SAND	1-3	FIX	Pl Neb	15.2	ESO 330-8 Sanduleak 2-132 Wray 15-1407
SAND	2-155	FIX	Pl Neb	14.1	ESO 453-6 Wray 16-236 PC 13
SAND	2-156	FIX	Pl Neb	16.8	ESO 332-4 Vandervort 1-5 PK 344+2.1
SAND	3-38	FIX	Pl Neb	16.2	ESO 277-17 Wray 16-239 Haro 1-3
SAND	2-158	FIX	Pl Neb 1	14.6	ESO 453-9 Wray 16-240 Haro 1-4
SAND	2-159	FIX	Pl Neb	15.3	ESO 332-7 Wray 16-241 Vandervort 1-6
SAND	2-179	FIX	Pl Neb	13.4	Nassau 1 PK 18+20.1 PNG 18.0+20.1
SAND	4-1	FIX	Pl Neb	15.1	PK 75+35.1 PNG 75.7+35.8
SAND	2-182	FIX	Pl Neb 2	16.9	ESO 392-6 Haro 1-8 PK 352+3.2
SAND	3-42	FIX	Pl Neb	16.4	ESO 454-5 THE 3-3 PK 356+5.1
SAND	3-44	FIX	Pl Neb	16.4	ESO 454-7 THE 3-4 PK 354+3.1

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Cat	No	Con	Type	Mag	Alias/Notes
SAND	2-192	FIX	Pl Neb 2	16.9	ESO 454-16 Haro 2-7 PK 357+4.1
SAND	3-47	FIX	Pl Neb		ESO 454-18 THE 3-11 PK 355+2.3
SAND	3-50	FIX	Pl Neb		ESO 519-18 THE 3-14 PK 359+4.1
SAND	3-53	FIX	Pl Neb		ESO 454-28 THE 3-16 PK 357+3.5
SAND	2-200	FIX	Pl Neb 2	16.2	ESO 519-19 Haro 1-14 PK 1+5.1
SAND	3-59	FIX	Pl Neb 1	16.6	ESO 455-12 Wray 17-86 Haro 2-13
SAND	3-62	FIX	Pl Neb	15.8	ESO 333-11 Haro 2-14 PK 349-3.1
SAND	2-213	FIX	Pl Neb	15.1	ESO 333-13 Wray 16-284 Haro 1-21
SAND	2-215	FIX	Pl Neb	16	ESO 393-6 Wray 16-286 PK 351-1.1
SAND	3-67	FIX	Pl Neb		ESO 455-24 THE 3-33 PK 359+2.3
SAND	2-219	FIX	Pl Neb	15.8	ESO 520-10 THE 3-27 PK 2+4.1
SAND	2-230	FIX	Pl Neb	16.2	PK 10+7.1 PNG 10.7+7.4
SAND	2-232	FIX	Pl Neb 2	16.1	ESO 589-1 Haro 2-18 PK 6+4.1
SAND	2-237	FIX	Pl Neb		PK 11+7.1 PNG 11.1+7.0
SAND	3-75	FIX	Pl Neb 2		ESO 589-5 Haro 2-22 PK 6+3.1
SAND	3-78	FIX	Pl Neb		ESO 589-7 THE 4-3 PK 6+2.1
SAND	2-254	FIX	Pl Neb	15.6	ESO 589-12 THE 4-6 PK 9+4.2
SAND	2-253	FIX	Pl Neb 3	13.7	ESO 393-37 Wray 16-316 PEREK 1-10
SAND	2-257	FIX	Pl Neb 1		ESO 589-15 THE 4-7 PK 6+2.3
SAND	3-90	FIX	Pl Neb		ESO 456-11 PK 0-1.3 PNG 0.8-1.5
SAND	2-172	FIX	Pl Neb	14.9	ESO 518-11 THE 3-1 PK 358+9.1
SAND	2-265	FIX	Pl Neb	14.9	ESO 456-16 PK 0-2.2 PNG 0.1-2.3
SAND	2-266	FIX	Pl Neb	14.9	ESO 456-17 Wray 16-328 Haro 1-40
SAND	3-95	FIX	Pl Neb 1		ESO 456-19 Haro 2-31 PK 1-1.3
SAND	3-98	FIX	Pl Neb		ESO 456-20 Wray 16-232 Haro 2-32
SAND	3-109	FIX	Pl Neb	16	ESO 394-17 Haro 2-35 PK 356-5.1
SAND	3-110	FIX	Pl Neb 3		ESO 456-36 Wray 17-105 PEREK 2-12
SAND	2-306	FIX	Pl Neb 2	14.8	ESO 456-68 Haro 1-59 PK 3-4.3
SAND	2-309	FIX	Pl Neb 4	16	ESO 456-71 Haro 2-41 PK 3-4.4
SAND	2-310	FIX	Pl Neb 2	14.7	ESO 522-3 Haro 1-60 PK 4-4.1
SAND	2-311	FIX	Pl Neb	14.8	Wray 16-385 PK 351-10.1 PNG 351.7-10.9
SAND	3-124	FIX	Pl Neb 2	16.5	ESO 522-7 Haro 2-44 PK 5-4.1
SAND	2-280	FIX	Pl Neb 2	16.5	ESO 394-19 Wray 16-349 PEREK 1-11
SAND	2-315	FIX	Pl Neb 2	15.7	ESO 522-8 Haro 2-45 PK 6-3.2
SAND	3-129	FIX	Pl Neb	13.4	ESO 522-14 PEREK 2-13 PK 6-4.1
SAND	2-327	FIX	Pl Neb 1	15.7	ESO 457-7 Haro 2-46 PK 0-7.2
SAND	3-134	FIX	Pl Neb	16.4	PK 16-2.1 PNG 16.9-2.0
SAND	2-340	FIX	Pl Neb 2	16	ESO 591-4 PEREK 2-14 PK 13-4.1
SAND	2-352	FIX	Pl Neb	14.4	ESO 591-11 PK 14-5.2 PNG 14.3-5.5
SAND	3-144	FIX	Pl Neb		Kohoutek 3-11 PK 23-1.2 PNG 23.8-1.7
SAND	2-291	FIX	Pl Neb 2	15.8	ESO 456-46 Haro 2-37 PK 2-3.2
SAND	3-116	FIX	Pl Neb 4	16.7	ESO 394-26 Wray 16-362 Haro 1-51
SAND	3-117	FIX	Pl Neb		Wray 16-363 PK 0-4.3 PNG 0.2-4.6
SAND	2-364	FIX	Pl Neb ?+3	13.9	ESO 591-16 PC 21 PK 13-7.1
SAND	2-292	FIX	Pl Neb 2	14.7	ESO 335-1 Wray 16-364 Haro 1-52
SAND	3-145	FIX	Pl Neb 2+3b	16.1	PEREK 1-15 PK 25-2.1 PNG 25.9-2.1
SAND	3-114	FIX	Pl Neb	16.7	ESO 456-45 Wray 16-361 Haro 2-36
SAND	2-366	FIX	Pl Neb 2b	14.1	PEREK 1-16 PK 26-2.1 PNG 26.3-2.2
SAND	3-147	FIX	Pl Neb 3+2	16.7	PEREK 1-17 PK 24-3.1 PNG 24.3-3.3
SAND	3-148	FIX	Pl Neb 2a	15.9	PEREK 1-18 PK 27-2.1 PNG 27.3-2.1
SAND	2-368	FIX	Pl Neb 2	15.2	PEREK 1-19 PK 26-2.3 PNG 26.5-3.0
SAND	1-8	FIX	Pl Neb	14.5	Sanduleak 2-370 PK 20-5.1 PNG 20.7-5.9
SAND	2-372	FIX	Pl Neb 1	13.5	Vyssotsky 1-4 PK 27-3.2 PNG 27.4-3.5
SAND	2-376	FIX	Pl Neb	13.2	ESO 592-6 PK 13-10.1 PNG 13.7-10.6
SAND	2-377	FIX	Pl Neb 4	16.3	PEREK 1-20 PK 28-4.1 PNG 28.2-4.0
SAND	3-150	FIX	Pl Neb 4	16.9	PEREK 1-21 PK 28-3.1 PNG 28.7-3.9
SAND	3-151	FIX	Pl Neb		PK 33-1.1 PNG 33.2-1.9
SAND	2-301	FIX	Pl Neb	15.4	ESO 456-58 Haro 2-39 PK 2-3.6
SAND	2-303	FIX	Pl Neb 1	16.4	ESO 521-34 Wray 17-111 Haro 1-58
SAND	2-379	FIX	Pl Neb	15.9	Kohoutek 3-19 PK 32-2.2 PNG 32.9-2.8
SAND	2-383	FIX	Pl Neb	16.1	ESO 397-7 PK 5-18.1 PNG 5.2-18.6
SAND	2-387	FIX	Pl Neb	13.3	Nassau 2 PK 26-11.1 PNG 25.9-10.9
SAND	2-389	FIX	Pl Neb	13.4	ESO 459-17 Wray 16-423 PK 6-19.1

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Cat	No	Con	Type	Mag	Alias/Notes
SAND	2-4	FIX	Pl Neb		Wein 2-34 PK 225-2.1 PNG 210.0+3.9
SAND	2-2	FIX	Pl Neb	13.3	PB 1 PK 226-3.1 PNG 226.4-3.7
SAND	2-22	FIX	Pl Neb	14.4	PK 240+7.1 PNG 240.3+7.0
SAND	2-28	FIX	Pl Neb		ESO 370-18 Wray 16-22 PK 255+3.
SH2	176	FIX	Pl Neb		LBN 597 PK 120-5.1 PNG 120.2-5.3 Sh2-176
SH2	188	FIX	Pl Neb		LBN 633 PK 128-4.1 PNG 128.0-4.1 Sh2-188
SH2	68	FIX	Pl Neb	10	LBN 93 PK 30+6.1 PNG 30.6+6.2 Sh2-68
SH2	78	FIX	Pl Neb		PK 46+3.1 PNG 46.8+3.8 Sh2-78
SHANE	1	FIX	Pl Neb	12.8	PK 13+32.1 PNG 13.3+32.7
SHAP	4-1	FIX	Pl Neb 1 SNR	13.7	PK 68+14.1 PNG 68.7+14.8 Shapley 4-1
THE	3-15	FIX	Pl Neb		ESO 454-26 PK 358+4.2 PNG 358.8+4.0
THE	3-19	FIX	Pl Neb		ESO 454-34 PK 358+3.3 PNG 358.4+3.3
THE	3-23	FIX	Pl Neb		ESO 455-6 PK 358+2.2 PNG 358.0+2.6
THE	3-32	FIX	Pl Neb		ESO 455-21 PK 359+2.4 PNG 359.4+2.3
THE	3-35	FIX	Pl Neb		ESO 455-28 PK 359+1.1 PNG 359.3+1.4
THE	4-9	FIX	Pl Neb		ESO 589-21 PK 9+2.1 PNG 9.3+2.8
VAND	1-2	FIX	Pl Neb		ESO 332-1 PK 345+4.1 PNG 345.0+4.3 Vandervort 1-2
VYSS	1-1	FIX	Pl Neb	12.6	PK 118-8.1 PNG 118.0-8.6 Vyssotsky 1-1
VYSS	1-2	FIX	Pl Neb 2	12.2	PK 53+24.1 PNG 53.3+24.0 Vyssotsky 1-2
VYSS	2-3	FIX	Pl Neb 2	13.9	PK 107-13.1 PNG 107.6-13.3 Vyssotsky 2-3
WEIN	2-5	FIX	Pl Neb		PK 129-2.1 PNG 129.2-2.0 Wein 2-5
WEIN	3-1	FIX	Pl Neb		PK 44+10.1 PNG 44.3+10.4 Wein 3-1
WEIN	1-7	FIX	Pl Neb		PK 21-3.1 PNG 21.2-3.9 Wein 1-7
WEIN	1-10	FIX	Pl Neb	15.1	PK 86+5.1 PNG 86.1+5.4 Wein 1-10
WEIN	1-9	FIX	Pl Neb		PK 65-3.1 PNG 65.1-3.5 Wein 1-9
WEIN	1-11	FIX	Pl Neb		PK 91+1.1 PNG 91.6+1.8 Wein 1-11
WEIN	2-245	FIX	Pl Neb		PK 87-3.1 PNG 87.4-3.8 Wein 2-245
WEIN	1-2	FIX	Pl Neb		PK 160-0.1 PNG 160.5-0.5 Wein 1-2
WEIN	1-3	FIX	Pl Neb		PK 163-0.1 PNG 163.1-0.8 Wein 1-3
WEIN	1-4	FIX	Pl Neb		PK 201-4.1 PNG 201.9-4.6 Wein 1-4
WEIN	1-6	FIX	Pl Neb		PK 224+1.1 PNG 224.9+1.0 Wein 1-6
WRAY	15-1537	FIX	Pl Neb	12.7	PK 348+6.1 PNG 348.0+6.3
WRAY	16-282	FIX	Pl Neb 3	14.9	PK 358+2.5 PNG 358.5+2.6
WRAY	17-98	FIX	Pl Neb 3+2		ESO 455-34 PK 358-1.1 PNG 358.2-1.1
WRAY	16-411	FIX	Pl Neb	15.5	PK 353-12.1 PNG 353.7-12.8
WRAY	15-1876	FIX	Pl Neb	15.2	ESO 523-2 PK 6-8.1 PNG 6.8-8.6
WRAY	16-20	FIX	Pl Neb	16.9	PK 260-3.1 PNG 260.7-3.3
NGC	1360	For	Pl Neb 3	9.6	ESO 482-7 Minkowski 1-3 PK 220-53.1
ABELL	19	Gem	Pl Neb 2b	17	PK 200+8.1 PNG 200.7+8.4
ABELL	21	Gem	Pl Neb	10.7	PK 205+14.1
J	900	Gem	Pl Neb 3b+2	12.4	PK 194+2.1 Jonckheere 900
MINK	1-7	Gem	Pl Neb 2	13.4	PK 189+7.1 Minkowski 1-7
NGC	2371	Gem	Pl Neb 3a+2	13	(H317-2) (NGC 2372 Nonexistent)
NGC	2392	Gem	Pl Neb 3b+3b	9.9	Eskimo Nebula PGC 21128
IC	5148	Gru	Pl Neb 4	12.9	IC 5150 ESO 344-5 PK 2-52.1
ABELL	39	Her	Pl Neb	12.9	PK 47+42.1
IC	4593	Her	Pl Neb 2+2	10.9	PK 25+40.1 PNG 25.3+40.8
NGC	6058	Her	Pl Neb 3+2	13.3	PK 64+48.1 PNG 64.6+48.2
NGC	6210	Her	Pl Neb 2+3b	9.3	PK 43+37.1 PNG 43.1+37.7
ABELL	35	Hya	Pl Neb 3a	12	PK 303+40.1
ABELL	33	Hya	Pl Neb	12.6	PK 238+34.1
ABELL	34	Hya	Pl Neb 2b	14.5	PK 248+29.1
NGC	3242	Hya	Pl Neb 4+3b	8.6	Ghost of Jupiter ESO 568-5
NGC	2610	Hya	Pl Neb 4+2	13.6	Sanduleak 2-27 PK 239+13.1 PNG 239.6+13.9
ABELL	79	Lac	Pl Neb	14.9	PK 102-2.1
ABELL	80	Lac	Pl Neb 4	15.2	PK 102-5.1 PNG 102.8-5.0
IC	5217	Lac	Pl Neb 2	12.6	PK 100-5.1 PNG 100.6-5.4
ABELL	7	Lep	Pl Neb 3a	13.2	PK 215-30.1 PNG 215.5-30.8
IC	418	Lep	Pl Neb 4	10.7	PK 215-24.1 PNG 215.2-24.2
IC	4406	Lup	Pl Neb 4+3	10.6	ESO 272-6 Henize 2-110 Sanduleak 2-105
NGC	5873	Lup	Pl Neb 2	13.3	ESO 328-34 Henize 2-121 Sanduleak 2-117
NGC	6026	Lup	Pl Neb 4	13.2	ESO 389-7 Henize 2-144 Sanduleak 2-131
ABELL	16	Lyn	Pl Neb 2b	15.9	PK 153+22.1 PNG 153.7+22.8

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Cat	No	Con	Type	Mag	Alias/Notes
ABELL	46	Lyr	Pl Neb 3b+2	15.6	PK 55+16.1 PNG 55.4+16.0
NGC	6720	Lyr	Pl Neb 4+3	9.7	M 57 Ring Nebula PK 63+13.1 PNG 63.1+13.9
NGC	6765	Lyr	Pl Neb 5	13.1	Minkowski 1-68 PK 62+9.1 PNG 62.4+9.5
ABELL	25	Mon	Pl Neb 3b	15.4	Kohoutek 1-13 PK 224+15.1 PNG 224.3+15.3
NGC	2346	Mon	Pl Neb 3b+4	11.8	Minkowski 1-10 Sanduleak 2-5 PK 215+3.1
ABELL	40	Oph	Pl Neb 2b	16.8	ESO 586-3 PK 359+15.1 PNG 359.1+15.1
ABELL	43	Oph	Pl Neb 2c	14.7	PK 36+17.1 PNG 36.0+17.6
IC	4634	Oph	Pl Neb 2a+3	10.7	ESO 587-1 Henize 2-189 Sanduleak 2-164
MINK	2-9	Oph	Pl Neb ?+6	14.6	PK 10+18.2 PNG 10.8+18.0 Minkowski 2-9
NGC	6309	Oph	Pl Neb 3b+6	10.8	Box Nebula Henize 2-206 PK 9+14.1 Sanduleak 2-281
NGC	6369	Oph	Pl Neb 4+2	12.9	ESO 520-3 Henize 2-232 Sanduleak 2-207
NGC	6572	Oph	Pl Neb 2a	9	PK 34+11.1 PNG 34.6+11.8
ABELL	10	Ori	Pl Neb 3	15.2	Kohoutek 1-7 PK 197-14.1 PNG 197.2-14.2
ABELL	12	Ori	Pl Neb	12.4	PK 198-6.1
ABELL	13	Ori	Pl Neb 4	16	PK 204-8.1 PNG 204.0-8.5
J	320	Ori	Pl Neb 2+4	12.9	PK 190-17.1 Jonckheere 320
NGC	2022	Ori	Pl Neb 4+2	12.4	PK 196-10.1 PNG 196.6-10.9
JONES	1	Peg	Pl Neb 3b	12.1	Jones 1 PK 104-29.1 PNG 104.2-29.6
NGC	7094	Peg	Pl Neb 4	13.6	Kohoutek 1-19 PK 66-28.1 PNG 66.7-28.2
PEASE	1	Peg	Pl Neb 1	14.9	CENTRAL STAR 14.9 MAG
ABELL	4	Per	Pl Neb	14.8	PK 144-15.1
ABELL	5	Per	Pl Neb 4	16	PK 141-7.1 PNG 141.7-7.8
IC	351	Per	Pl Neb 2a	12.4	PK 159-15.1 PNG 159.0-15.1
IC	2003	Per	Pl Neb 2	12.6	PK 161-14.1 PNG 161.2-14.8
MINK	1-2	Per	Pl Neb 1	14.9	Minkowski 1-2 PK 133-8.1 PNG 133.1-8.6
NGC	650	Per	Pl Neb 3+6	12.2	NGC 651 M 76 Little Dumbbell PK 130-10.1 PNG 130.9-10.5
ABELL	23	Pup	Pl Neb	13.1	ESO 368-10 PK 249-5.1 PNG 249.3-5.4
NGC	2438	Pup	Pl Neb 4+2	10.1	Sanduleak 2-13 PK 231+4.2 PNG 231.8+4.1
NGC	2440	Pup	Pl Neb 5+3	10.8	ESO 560-9 Sanduleak 2-14 PK 234+2.1
NGC	2452	Pup	Pl Neb 4+3	12.6	ESO 493-11 RCW 17 Henize 2-4
SAND	2-21	Pup	Pl Neb	13.6	Sanduleak 2-21 PK 238+7.2 PNG 238.9+7.3 ESO 561-16
ABELL	29	Pyx	Pl Neb 4	14.3	ESO 563-9 PK 244+12.1 PNG 244.5+12.5
MINK	3-6	Pyx	Pl Neb 2a	10.7	PK 254+5.1 Minkowski 3-6 Henize 2-12 Sandeleak 2-29 Wray 16-25
NGC	2818	Pyx	Pl Neb PN	11.6	ESO 372-13 Henize 2-23 Sanduleak 2-39
ABELL	38	Sco	Pl Neb 4+2	15.7	ESO 452-1 Wray 19-45 Kohoutek 1-3
IC	4663	Sco	Pl Neb 4	13.1	ESO 279-6 279-6 Henize 2-273 Sanduleak 2-236
IC	4637	Sco	Pl Neb 3	13.6	ESO 332-21 Henize 2-193 Sanduleak 2-168
NGC	6072	Sco	Pl Neb 3a	14.1	ESO 389-15 Sanduleak 2-134 PK 342+10.1
NGC	6153	Sco	Pl Neb 4	11.5	ESO 331-6 RCW 112 Henize 2-167
NGC	6302	Sco	Pl Neb 6	12.8	Bug Nebula ESO 392-5 Gum 60 RCW 124 Henize 2-204 PK 349+1.1
NGC	6337	Sco	Pl Neb 4	11.9	ESO 333-5 Henize 2-215 Sanduleak 2-191
ABELL	45	Sct	Pl Neb 3b		PK 20-0.1 PNG 20.2-0.6
ABELL	49	Sct	Pl Neb 2c	16.7	PK 27-3.1 PNG 27.3-3.4
IC	1295	Sct	Pl Neb 3b+2	15	PK 25-4.2 PNG 25.4-4.7
MINK	3-28	Sct	Pl Neb 2+3	14.3	PK 21-0.1 Minkowski 3-28
MINK	1-61	Sct	Pl Neb 1	12.2	PK 19-5.1 Minkowski 1-61
SAND	2-374	Sct	Pl Neb	14.2	Sanduleak 2-374 PK 25-4.1 PNG 25.3-4.6 Kohoutek 4-8
IC	4997	Sge	Pl Neb 1	11.6	Henize 2-464 PK 58-10.1 PNG 58.3-10.9
NGC	6879	Sge	Pl Neb 2a	13	Henize 2-455 PK 57-8.1 PNG 57.2-8.9
NGC	6886	Sge	Pl Neb 2+3	12.2	Henize 2-458 PK 60-7.2 PNG 60.1-7.7
ABELL	51	Sgr	Pl Neb 4	15.4	PK 17-10.1 PNG 17.6-10.2
ABELL	60	Sgr	Pl Neb 2b	15.7	PK 25-11.1 PNG 25.0-11.6
ABELL	65	Sgr	Pl Neb 2a	15.2	Sh2 -52 ESO 526-3 PK 17-21.1
ABELL	66	Sgr	Pl Neb 3b	14.9	ESO 595-4 PK 19-23.1 PNG 19.8-23.7
IC	4673	Sgr	Pl Neb 4	12.9	ESO 521-15 Minkowski 1-36 Henize 2-333
IC	4732	Sgr	Pl Neb 1	13.3	ESO 523-1 Henize 2-410 Sanduleak 2-345
IC	4776	Sgr	Pl Neb 2a	11.7	ESO 396-2 Henize 2-421 Sanduleak 2-363
NGC	6439	Sgr	Pl Neb 2a	13.8	Henize Sanduleak PK
NGC	6445	Sgr	Pl Neb 3b+3	13.2	Little Gem ESO 589-9 Henize 2-290
NGC	6565	Sgr	Pl Neb 4	13.2	ESO 456-70 Henize 2-362 Sanduleak 2-307
NGC	6563	Sgr	Pl Neb 3a	13.8	ESO 394-33 Henize 2-361 Sanduleak 2-308
NGC	6567	Sgr	Pl Neb 2a+3	11.7	ESO 590-8 Henize 2-369 Sanduleak 2-314

Planetary Nebula

By Constellation

Cat	No	Con	Type	Mag	Alias/Notes
NGC	6578	Sgr	Pl Neb 2a	13.1	ESO 590-12 Henize 2-381 Sanduleak 2-322
NGC	6620	Sgr	Pl Neb 2b	15	ESO 522-22 Henize 2-394 Sanduleak 2-332
NGC	6629	Sgr	Pl Neb 2a	11.6	ESO 522-26 Henize 2-399 Sanduleak 2-335
NGC	6644	Sgr	Pl Neb 2	12.2	ESO 522-23 Henize 2-408 Sanduleak 2-343
NGC	6537	Sgr	Pl Neb 2a+6	12.5	ESO 590-1 Henize 2-340 Sanduleak 2-294
NGC	6818	Sgr	Pl Neb 4	9.9	Sanduleak 2-392 PK 25-17.1 PNG 25.8-17.9
SAND	2-348	Sgr	Pl Neb 2	15.1	Sanduleak 2-348 PK 10-6.2 PNG 10.7-6.7 Perek 1-13 ESO 523-3
NGC	1514	Tau	Pl Neb 3+2	10	PK 165-15.1 PNG 165.5-15.2
ABELL	28	UMa	Pl Neb 2b	14.6	PK 158+37.1 PNG 158.8+37.1
NGC	3587	UMa	Pl Neb 3a	12	M 97 Owl Nebula PK 148+57.1 PNG 148.4+57.0
NGC	3132	Vel	Pl Neb 4+2	8.2	Eight-burst Planetary
NGC	2792	Vel	Pl Neb 4	13.5	ESO 314-6 Henize 2-20 Sanduleak 2-36
ABELL	36	Vir	Pl Neb	11.8	PK 318+41.1
IC	972	Vir	Pl Neb 2c	14.9	Abell 37 PK 326+42.1 PNG 326.7+42.2
ABELL	68	Vul	Pl Neb 3	16.6	PK 60-4.1 PNG 60.0-4.3
ABELL	74	Vul	Pl Neb 2	12.2	PK 72-17.1 PNG 72.7-17.1
NGC	6842	Vul	Pl Neb 3b	13.6	Sh2 -95 LBN 19 Henize 2-451
NGC	6853	Vul	Pl Neb 3+2	7.6	M 27 Dumbbell Nebula Henize 2-452 PK 60-3.1 PNG 60.8-3.6

Total: ***770***