

Turn Left at Orion												
Southern Objects												
Name	Constellation	Object Type	Magnitudes	Object Size/ Double Star Separation	Rating	For Best View:	Coordinates	notes	page	additional description		
					Dob	small	sky	magnification	Right Ascension	Declination		
NGC 220	Tucana	Open Cluster	12.4	0.8"	1	x	x	dark	0 H 40.5 min.	-73° 24'	open cluster in the SMC	210
NGC 222	Tucana	Open Cluster	12.2	0.6"	1	x	x	dark	0 H 40.7 min.	-73° 23'	open cluster in the SMC	210
NGC 231	Tucana	Open Cluster	12.7	0.8"	1	x	x	dark	0 H 41.1 min.	-73° 21'	open cluster in the SMC	210
NGC 330	Tucana	Open Cluster	9.6	1.4"	2	1	x	dark	0 H 56.3 min.	-72° 28'	open cluster in the SMC	210
NGC 371	Tucana	Open Cluster	7	7"	3	2	1	dark	1 H 3.4 min.	-72° 4'	open cluster in the SMC	210
NGC 376	Tucana	Open Cluster	10.9	1"	1	x	x	dark	1 H 3.9 min.	-72° 48'	open cluster in the SMC	210
NGC 395	Tucana	Open Cluster	1"	1"	2	1	x	dark	1 H 5.1 min.	-72° 0"	open cluster in the SMC	210
NGC 460	Tucana	Open Cluster	12.5	1"	2	x	x	dark	1 H 14.6 min.	-73° 17'	open cluster in the SMC	210
NGC 458	Tucana	Open Cluster	1"	1.5"	2	x	x	dark	1 H 14.9 min.	-71° 33'	open cluster in the SMC	210
NGC 465	Tucana	Open Cluster	11.5	2"	1	x	x	dark	1 H 15.7 min.	-73° 19'	open cluster in the SMC	210
NGC 249	Tucana	Diffuse Nebula	1"	1"	1	1	x	dark	0 H 45.5 min.	-73° 5'	nebula in the SMC	210
NGC 261	Tucana	Diffuse Nebula	10.3	0.6"	1	1	x	dark	0 H 46.5 min.	-73° 6'	nebula in the SMC	210
NGC 346	Tucana	Diffuse Nebula	10.3	3"	3	3	2	dark	0 H 59.1 min.	-72° 11'	cluster and nebula in the SMC	210
NGC 456	Tucana	Diffuse Nebula	12.2	1"	1	x	x	dark	1 H 14.4 min.	-73° 17'	open cluster in the SMC	210
NGC 265	Tucana	Open Cluster	11.2	2.4"	1	x	x	dark	0 H 47.2 min.	-73° 29'	open cluster in the SMC	210
NGC 419	Tucana	Open Cluster	11.2	2.4"	1	x	x	dark	1 H 8.3 min.	-72° 53'	globular cluster in the SMC	210
Small Magellanic Cloud	Tucana	Galaxy	2.3	6.5" by 3.5"	4	4	3	dark	0 H 53 min.	-72° 50'	The SMC (Small Magellanic Cloud)	210
NGC 104, 47 Tucanae	Tucana	Globular Cluster	4	50"	4	4	4	any	0 H 24.1 min.	-62° 58'	2nd greatest globular in the sky	212
NGC 362	Tucana	Globular Cluster	6.8	14"	3	3	2	any	1 H 3.2 min.	-70° 51'	bright globular cluster	214
Beta Tucanae	Tucana	Double Star	4.3, 4.5	27"	2	3	2	any	0 H 31.5 min.	-62° 58'	double star with a 3rd, distant star	215
Kappa Tucanae	Tucana	Double Star	5.0, 7.7, 7.8, 8.4	5.0", 319", 320"	3	2	1	steady	1 H 15.8 min.	-68° 53'	multiple star-2 (in binocs), 4 (in Dob)	215
NGC 1711	Mensa	Open Cluster	10.1	2.4"	2	1	x	dark	4 H 50.6 min.	-69° 59'	open cluster in the LMC	216
NGC 1727	Dorado	Open Cluster	11.1	2.5"	1	x	x	dark	4 H 52.3 min.	-69° 21'	open cluster in the LMC	216
NGC 1755	Dorado	Open Cluster	9.9	2.6"	1	1	x	dark	4 H 55.2 min.	-68° 12'	open cluster in the LMC	216
NGC 1845	Mensa	Open Cluster	10.2	2.0"	1	1	x	dark	5 H 5.7 min.	-70° 35'	open cluster in the LMC	216
NGC 1847	Dorado	Open Cluster	11.1	1"	1	x	x	dark	5 H 7.1 min.	-68° 58'	open cluster in the LMC	216
NGC 1850	Dorado	Open Cluster	9	3.4"	2	1	1	dark	5 H 8.7 min.	-68° 46'	open cluster in the LMC	216
NGC 1854	Dorado	Open Cluster	10.4	0.7"	1	x	x	dark	5 H 9.3 min.	-68° 51'	open cluster in the LMC	216
NGC 1856	Dorado	Open Cluster	10.1	1.8"	1	1	x	dark	5 H 9.5 min.	-69° 8'	open cluster in the LMC	216
NGC 1872	Dorado	Open Cluster	11	1"	1	x	x	dark	5 H 13.2 min.	-69° 19'	open cluster in the LMC	216
NGC 1876	Dorado	Open Cluster	11.7	0.8"	1	x	x	dark	5 H 13.3 min.	-69° 22'	open cluster in the LMC	216
NGC 1877	Dorado	Open Cluster	3"	1"	1	x	x	dark	5 H 13.6 min.	-69° 23'	open cluster in the LMC	216
NGC 1901	Dorado	Open Cluster	30"	1"	1	1	x	dark	5 H 18.2 min.	-68° 27'	open cluster in the LMC	216
NGC 1910	Dorado	Open Cluster	11.2	8"	3	2	1	dark	5 H 18.6 min.	-69° 14'	open cluster in the LMC	216
NGC 1962	Dorado	Open Cluster	11.5	0.5"	2	x	x	dark	5 H 26.3 min.	-68° 50'	open cluster in the LMC	216
NGC 1967	Dorado	Open Cluster	10.8	0.4"	1	x	x	dark	5 H 26.7 min.	-69° 6'	open cluster in the LMC	216
NGC 1968	Dorado	Open Cluster	9	1.1"	2	x	x	dark	5 H 27.4 min.	-67° 28'	open cluster in the LMC	216
NGC 1986	Mensa	Open Cluster	11.1	0.7"	1	1	x	dark	5 H 27.6 min.	-69° 58'	open cluster in the LMC	216
NGC 1984	Dorado	Open Cluster	10	0.3"	1	x	x	dark	5 H 27.7 min.	-69° 8'	open cluster in the LMC	216
NGC 1983	Dorado	Open Cluster	9.9	0.5"	2	x	x	dark	5 H 27.8 min.	-67° 59'	open cluster in the LMC	216
NGC 1974	Dorado	Open Cluster	9	1.7"	2	1	x	dark	5 H 28 min.	-67° 25'	open cluster in the LMC	216
NGC 1994	Dorado	Open Cluster	9.8	0.6"	1	x	x	dark	5 H 28.4 min.	-69° 8'	open cluster in the LMC	216
NGC 2001	Dorado	Open Cluster	1.7"	1"	2	1	x	dark	5 H 29 min.	-68° 46'	open cluster in the LMC	216
NGC 2009	Dorado	Open Cluster	11	0.8"	2	1	x	dark	5 H 31 min.	-69° 11'	open cluster in the LMC	216
NGC 2015	Dorado	Open Cluster	5	5"	1	x	x	dark	5 H 32.1 min.	-69° 15'	open cluster in the LMC	216
NGC 2031	Mensa	Open Cluster	10.8	3.4"	2	1	x	dark	5 H 33.7 min.	-70° 59'	open cluster in the LMC	216
NGC 2033	Dorado	Open Cluster	11.6	0.5"	1	x	x	dark	5 H 34.5 min.	-69° 47'	open cluster in the LMC	216
NGC 2044	Dorado	Open Cluster	10.6	2"	2	x	x	dark	5 H 36.1 min.	-69° 12'	open cluster in the LMC	216
NGC 2042	Dorado	Open Cluster	9.6	9"	2	x	x	dark	5 H 36.2 min.	-68° 55'	open cluster in the LMC	216
NGC 2055	Dorado	Open Cluster	8.4	0.6"	2	2	x	dark	5 H 37 min.	-69° 26'	open cluster in the LMC	216
NGC 2100	Dorado	Open Cluster	9.6	2.8"	1	1	x	dark	5 H 42.1 min.	-69° 13'	open cluster in the LMC	216
NGC 2098	Dorado	Open Cluster	10.7	1.6"	1	x	x	dark	5 H 42.5 min.	-68° 17'	open cluster in the LMC	216
NGC 2122	Mensa	Open Cluster	10.4	4"	2	1	1	dark	5 H 48.9 min.	-70° 4'	open cluster in the LMC	216
NGC 1743	Dorado	Diffuse Nebula	10.3	2"	1	x	x	dark	4 H 54.1 min.	-69° 12'	diffuse nebula in the LMC	216
NGC 1837	Mensa	Diffuse Nebula	9.9	1.3"	2	1	x	dark	5 H 4.9 min.	-70° 43'	diffuse nebula in the LMC	216
NGC 1854	Dorado	Diffuse Nebula	9.9	4"	1	x	x	dark	5 H 9.9 min.	-68° 54'	diffuse nebula in the LMC	216
NGC 1877	Dorado	Diffuse Nebula	1"	1"	2	x	x	dark	5 H 13.2 min.	-69° 23'	diffuse nebula in the LMC	216
NGC 1934	Dorado	Diffuse Nebula	4" by 2", E-W	0.5"	1	x	x	dark	5 H 21.8 min.	-67° 58'	diffuse nebula in the LMC	216
NGC 1935	Dorado	Diffuse Nebula	0.5"	0.5"	1	x	x	dark	5 H 21.9 min.	-67° 58'	diffuse nebula in the LMC	216
NGC 1936	Dorado	Diffuse Nebula	0.5"	0.5"	2	x	x	dark	5 H 22.1 min.	-67° 59'	diffuse nebula in the LMC	216
NGC 1965	Dorado	Diffuse Nebula	0.3"	2	1	1	x	dark	5 H 26.5 min.	-68° 48'	diffuse nebula in the LMC	216
NGC 1955	Dorado	Diffuse Nebula	9	1.8"	1	1	x	dark	5 H 26.8 min.	-67° 30'	diffuse nebula in the LMC	216
NGC 1966	Dorado	Diffuse Nebula	13"	1"	1	1	x	dark	5 H 26.8 min.	-68° 49'	diffuse nebula in the LMC	216
NGC 2014	Dorado	Diffuse Nebula	9	1.8"	2	1	1	dark	5 H 33.4 min.	-67° 38'	diffuse nebula in the LMC	216
NGC 2048	Dorado	Diffuse Nebula	0.5"	0.5"	2	x	x	dark	5 H 35.2 min.	-69° 46'	diffuse nebula in the LMC	216
NGC 2032	Dorado	Diffuse Nebula	2"	2"	2	1	1	dark	5 H 35.3 min.	-67° 35'	diffuse nebula in the LMC	216
NGC 2035	Dorado	Diffuse Nebula	3"	2	1	1	x	dark	5 H 35.5 min.	-67° 35'	diffuse nebula in the LMC	216
NGC 2060	Dorado	Diffuse Nebula	9.6	2"	1	x	x	dark	5 H 37.9 min.	-69° 10'	diffuse nebula in the LMC	216
NGC 2070	Dorado	Diffuse Nebula	30" by 20"	4	4	4	4	dark	5 H 38.7 min.	-69° 6'	the Tarantula, great LMC nebula	216
NGC 2074	Dorado	Diffuse Nebula	3"	3"	3	2	1	dark	5 H 38.9 min.	-69° 29'	diffuse nebula in the LMC	216
NGC 2077	Dorado	Diffuse Nebula	1"	1"	1	x	x	dark	5 H 39.6 min.	-69° 40'	diffuse nebula in the LMC	216
NGC 2079	Dorado	Diffuse Nebula	0.8"	0.8"	2	2	x	dark	5 H 39.6 min.	-69° 47'	diffuse nebula in the LMC	216
NGC 2080	Dorado	Diffuse Nebula	1"	1"	2	2	x	dark	5 H 39.7 min.	-69° 39'	diffuse nebula in the LMC	216
NGC 2081	Dorado	Diffuse Nebula	5"	5"	2	1	x	dark	5 H 40.1 min.	-69° 24'	diffuse nebula in the LMC	216
NGC 2086	Dorado	Diffuse Nebula	1"	1"	1	1	x	dark	5 H 40.2 min.	-69° 40'	diffuse nebula in the LMC	216
NGC 2103	Mensa	Diffuse Nebula	2"	2"	1	x	x	dark	5 H 41.7 min.	-71° 20'	diffuse nebula in the LMC	216
NGC 1786	Dorado	Globular Cluster	10.9	1.6"	1	x	x	dark	4 H 59.1 min.	-67° 45'	globular cluster in the LMC	216
NGC 1835	Dorado	Globular Cluster	10.6	1.2"	1	x	x	dark	5 H 5.1 min.	-69° 24'	globular cluster in the LMC	216
Large Magellanic Cloud	Dorado	Galaxy	0.2	10" by 8"	5	5	5	dark	5 H 20 min.	-69° 0"	The LMC (Large Magellanic Cloud)	216
Gamma Volantis	Volans	Double Star	3.8, 5.7	13"	2	2	x	steady	7 H 8.7 min.	-70° 30'	easy double star in Volans	217
Zeta Volantis	Volans	Double Star	4.0, 9.8	17"	2	1	x	steady	7 H 41.8 min.	-72° 36'	double star in Volans	217
Epsilon Volantis	Volans	Double Star	4.4, 8.0	6.1"	1	x	x	steady	8 H 7.9 min.	-68° 37'	Dob double star in Volans	217
Gamma Velorum	Vela	Quadruple Star	1.9, 4.2, 6.2, 9.1	41", 62", 94"	2	3	2	any	8 H 9.5 min.	-47° 21'	wide quadruple star	222
NGC 2547	Vela	Open Cluster	4.7	25"	1	2	2	dark	8 H 10.7 min.	-49° 16'	large, sparse open cluster in Vela	222
I 2391	Vela	Open Cluster	2.6	60"	1	2	3	any	16 H 35.2 min.	-53° 5'	the large "Orion" Vela cluster	222
NGC 2516	Carina	Open Cluster	3.8	2"	2	1	1	dark	7 H 58.5 min.	-60° 52'	"The Southern Beehive" open cluster	222
Runkler 8	Carina	Double Star	3.6, 5.3	3.7"	2	x	x	steady	8 H 15.3 min.	-62° 55'	Dob double near NGC 2516	225
h 4128	Carina	Double Star	6.8, 7.5	1.1"	2	x	x	steady	8 H 39.2 min.	-60° 19'	light, Dob challenge equal pair	225
NGC 2808	Carina	Globular Cluster	6.2	14"	3	3	1	any	9 H 12 min.	-64° 52'	interesting & pretty globular in Carina	226
Upsilon Carinae	Carina	Double Star	3.0, 6.0	5.0"	2	1	x	steady	9 H 47.1 min.	-65° 4'	challenging double in Carina	227
NGC 3114	Carina	Open Cluster	4.2	35"	1	2	2	any	10 H 2.6 min.	-60° 7'	big, bright open cluster in rich field	227
ZZ (L) Carinae	Carina	Variable	3.3-4.2; 35.5 days	1"	1	1	1	any	10 H 54 min.	-58° 47'	Cepheid variable star	227
NGC 3293	Carina	Open Cluster	4.7	5"	3	3	3	any	10 H 35.8 min.	-58° 13'	very bright open cluster, the "Gent"	228
IC 2602, Southern Pleiades	Carina	Open Cluster	1.6	100"	2	3	4	any	10 H 43.2 min.	-64° 24'	huge cluster, the "Southern Pleiades"	228
NGC 3532	Carina	Open Cluster	3	50"	3	3	3	any	10 H 54.4 min.	-58° 40'	lovely, large "Wishing Well" cluster	228
NGC 3765	Centaurus	Open Cluster	5.3	15"	3	3	2	any	10 H 36.1 min.	-61° 37'	bright "Pearl" open cluster	228
NGC 3372	Carina	Diffuse Nebula	1	120"	4	4	4	any	10 H 45.1 min.	-59° 52'	the spectacular "Keyhole" Nebula	228
J Velorum	Vela	Triple Star	4.5, 7.2, 9.2	7.1", 36"	2	2	x	any	10 H 20.9 min.	-56° 3'	triple star near the Keyhole	229
h 4432	Musca	Double Star	5.4, 6.6	2.4"	2	1	x	steady	11 H 23 min.	-64° 57'	close double star	229
Alpha Crucis, Acrux	Crux	Triple Star	1.3, 1.6, 4.8	4.0", 91"	3	3	2	steady	12 H 26.6 min.	-63° 6'	bright triple star in Crux	232
Gamma Crucis, Gacrux	Crux	Triple Star	1.8, 6.5, 9.7	125", 167"	1	1	1	any	12 H 31.2 min.	-57° 7'	bright, wide triple star in Crux	232
Beta Muscae	Musca	Double Star	3.5, 4.0	1.0"	2	x	x	steady	12 H 46.3 min.	-68° 6'	Dob challenge double in Musca	232
Mu Crucis	Crux	Double Star	7.93, 5.0	35"	1	2	x	any	12 H 54.6 min.	-57° 11'	easy double in Crux	232
Dunlop 159	Centaurus	Double Star	5.0, 7.6	8.9"	2	2	x	any	14 H 22.6 min.	-68° 28'	pretty double star in Centaurus	232
Alpha Centauri	Centaurus											