

# OIII Filters Observing List

## Evening of 2012 Mar 23 at Karoo Starparty

Sunset 18:38, Twilight ends 19:53, Twilight begins 05:12, Sunrise 06:26, Moon rise 07:57, Moon set 18:52  
 Completely dark from 19:53 to 05:12. New Moon. All times local (GMT+2).

Listing All Classes visible above the perfect horizon and in complete darkness after 19:53 and before 05:12.

Cls	Primary ID	Alternate ID	Con	Mag	Size	Distance	RA 2000	Dec 2000	Begin	Optimum	End	S.A.	Ur. 2	PSA	Difficulty	Optimum EP
PNe	NGC 7293	Helix	Aqr	6.3	16.0'	530 ly	22h29m38.5s	-20°50'14"	04:55	05:19	05:31	23	142	77	detectable	Ultima 42mm
PNe	NGC 7009	Saturn Nebula	Aqr	8.3	28"	3200 ly	21h04m10.9s	-11°21'48"	03:48	05:16	05:39	16	123	77	obvious	Plössl 10mm
PNe	NGC 6781	PN G041.8-02.9	Aql	11.8	1.9'	2500 ly	19h18m28.1s	+06°32'19"	04:27	05:13	05:27	16	85	65	challenging	E-Lux 2" 40mm 2.0x
PNe	NGC 6804	PN G045.7-04.5	Aql	12.4	1.1'	4800 ly	19h31m35.2s	+09°13'32"	04:43	05:14	05:28	16	85	64	challenging	Plössl 25mm 2.0x
Neb	IC 410	Sh 2-236	Aur	7.5	16.0'x 9.0'		05h22m42.0s	+33°25'00"	19:29	19:47	20:50	5	59	12	not visible	Ultima 42mm
Neb	NGC 2359	Thor's Helmet	CMa		10.0'		07h18m30.0s	-13°14'00"	19:38	20:01	21:53	12	135	27	challenging	Ultima 42mm
Neb	NGC 6960	Veil Nebula (West)	Cyg	7.0	63.0'x 6.0'		20h45m42.0s	+30°43'00"	05:04	05:26	05:40	9	47	62	not visible	Ultima 42mm
Neb	NGC 6992	Veil Nebula (East)	Cyg	7.0	60.0'x 7.0'		20h56m24.0s	+31°43'00"	05:10	05:28	05:40	9	47	62	not visible	Ultima 42mm
Neb	NGC 6888	Crescent Nebula	Cyg	10.0	17.0'x 9.0'		20h12m12.0s	+38°19'00"	05:01	05:27	05:41	9	48	62	not visible	Ultima 42mm
PNe	NGC 1360	M 1-3	For	9.4	6.0'	1300 ly	03h33m14.6s	-25°52'18"	19:35	19:51	20:28	18	156	17	difficult	Ultima 42mm
PNe	Medusa Nebula	Abell 21	Gem	11.3	10.0'	950 ly	07h29m02.7s	+13°14'49"	19:29	20:02	22:41	12	95	25	not visible	Ultima 42mm
PNe	NGC 2392	Eskimo Nebula	Gem	8.6	47"	3400 ly	07h29m10.8s	+20°54'42"	19:25	20:02	21:59	5	75	25	obvious	Plössl 10mm
PNe	NGC 2371	Gemini Nebula	Gem	11.2	1.2'	4400 ly	07h25m34.7s	+29°29'26"	19:32	20:00	20:02	5	75	25	detectable	Plössl 25mm 2.0x
PNe	NGC 6210	Turtle Nebula	Her	9.7	20"	4700 ly	16h44m29.5s	+23°48'00"	03:16	04:58	05:40	8	68	54	obvious	Celestron Plössl 15mm 2.0x
PNe	NGC 2022	PN G196.6-10.9	Ori	11.7	28"	8100 ly	05h42m06.2s	+09°05'11"	19:31	19:52	21:10	11	96	14	detectable	Plössl 10mm
PNe	NGC 2438	PN G231.8+04.1	Pup	11.0	1.1'	3700 ly	07h41m51.4s	-14°43'55"	19:29	20:08	00:03	12	135	26	detectable	Plössl 25mm 2.0x
Neb	NGC 6618	M 17	Sgr	6.0	11.0'		18h20m48.0s	-16°11'00"	03:42	05:09	05:29	15	126	67	challenging	Ultima 42mm
PNe	NGC 6302	Bug Nebula	Sco	12.8	1.2'	1800 ly	17h13m44.2s	-37°06'16"	02:40	05:04	05:29	22	164	58	challenging	Plössl 25mm 2.0x
Open	NGC 6357		Sco		2.0'		17h24m43.0s	-34°12'06"	00:57	05:05	05:36	22	164	58	unknown	Celestron Plössl 15mm
PNe	NGC 1514	Crystal Ball Nebula	Tau	10.8	2.0'	2300 ly	04h09m17.0s	+30°46'33"	19:34	19:42	19:56	5	60	13	challenging	E-Lux 2" 40mm 2.0x
PNe	NGC 3587	M 97	UMa	11.0	3.4'	2000 ly	11h14m47.7s	+55°01'09"	22:13	23:35	00:54	2	24	32	not visible	Celestron Plössl 32mm

Symbol Key:

Open	Open Cluster	Doub	Double or Multiple Star	Con	Constellation
Glob	Globular Cluster	Bin	Binary Star (with orbit)	MSS	Major Solar System Object
PNe	Planetary Nebula	Var	Variable Star	Com	Comet
Neb	Diffuse Nebula	DVar	Double & Variable	MP	Minor Planet
Gal	Galaxy	BVar	Binary & Variable		
GalCl	Galaxy Cluster				
Dark	Dark Nebula				
QSO	Quasar				

Observation status: Y = observed, N = not observed, R = re-observe  
 Quality of opportunity (Q): A = optimum, B = near optimum, F = far from optimum