

# UHC 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 4361	PN G294.1+43.6	Crv	10.9	1.3'	3100 ly	12h24m30.8s	-18°47'06"	20:45	00:44	04:43	21	150	47	detectable	Celestron Plössl 15mm
Neb	Sh 2-101	Ced 173	Cyg		16.0'		20h00m00.0s	+35°17'00"	-	-	-	9	48	62	unknown	Ultima 42mm
PNe	NGC 6905	He 2-466	Del	12.0	44"	4700 ly	20h22m22.9s	+20°06'17"	04:54	05:19	05:31	9	66	64	difficult	Plössl 10mm
PNe	NGC 3242	Ghost of Jupiter	Hya	8.6	40"	2800 ly	10h24m46.1s	-18°38'32"	19:26	22:44	03:06	20	151	37	obvious	Plössl 10mm
PNe	PN G164.8+31.1	PK 164+31.1	Lyn	14.0	6.3'	2200 ly	07h57m51.6s	+53°25'17"	-	-	-	1	26	22	not visible	Ultima 42mm
PNe	NGC 6720	M 57	Lyr	9.4	1.4'	2600 ly	18h53m35.1s	+33°01'45"	04:08	05:16	05:34	8	49	63	easy	Celestron Plössl 15mm
PNe	NGC 2346	Hourglass	Mon	12.5	1.0'	4300 ly	07h09m22.5s	-00°48'23"	19:34	19:59	22:17	12	115	27	difficult	Plössl 10mm
Neb	NGC 2237	Rosette	Mon	5.5	70.0'x 60.0'		06h32m02.0s	+04°59'10"	19:38	19:56	21:15	12	116	25	challenging	Ultima 42mm
Open	NGC 2264	Collinder 112	Mon	4.1	39.0'	2200 ly	06h40m58.0s	+09°53'42"	19:29	19:56	22:06	12	95	25	obvious	Celestron Plössl 32mm 2.0x
Neb	NGC 1976	M 42	Ori	4.0	40.0'x 20.0'		05h35m18.0s	-05°23'00"	19:28	19:53	21:47	11	116	16	easy	Ultima 42mm
Neb	Lower's nebula	Sh 2-261	Ori		30.0'		06h08m54.0s	+15°49'00"	-	-	-	11	96	25	unknown	Celestron Plössl 32mm
Neb	NGC 2174	Ced 67a	Ori		1.5'		06h09m24.0s	+20°40'00"	19:29	19:53	20:41	5	76	25	unknown	Celestron Plössl 15mm
Neb	NGC 2467	Sh 2-311	Pup	7.1	9.0'x 7.0'		07h52m21.8s	-26°25'32"	19:35	20:14	23:02	19	153	26	difficult	Ultima 42mm
PNe	NGC 2440	PN G234.8+02.4	Pup	11.5	54"	3700 ly	07h41m55.4s	-18°12'31"	19:29	20:08	00:01	12	153	26	detectable	Plössl 10mm
Neb	Sh 2-84		Sge		15.0'		19h49m00.0s	+18°24'00"	-	-	-	16	66	64	unknown	Ultima 42mm
Neb	NGC 6523	NGC 6526	Sgr	5.0	17.0'x 15.0'		18h04m02.0s	-24°23'14"	01:50	05:08	05:37	22	145	67	obvious	Ultima 42mm
Neb	NGC 6559	Sh 2-29	Sgr		5.0'		18h10m00.0s	-24°07'00"	01:57	05:09	05:35	22	145	67	unknown	Ultima 42mm
Neb	NGC 6514	M 20	Sgr	6.3	16.0'x 9.0'		18h02m22.0s	-22°59'12"	03:22	05:08	05:28	22	145	67	challenging	Ultima 42mm
PNe	NGC 6445	He 2-290	Sgr	13.0	35"	4200 ly	17h49m15.1s	-20°00'34"	02:43	05:08	05:32	22	146	56	difficult	Plössl 10mm
Neb	IC 4628	Prawn Nebula	Sco		90.0'		16h57m00.0s	-40°27'00"	-	-	-	22	164	58	unknown	Plössl 4mm
Open	NGC 6334		Sco		20.0'	7500 ly	17h20m49.0s	-36°06'12"	-	-	-	22	164	58	unknown	Ultima 42mm
Neb	Sh 2-13	Gum 68	Sco	5.5	40.0'		17h29m06.0s	-31°33'00"	01:37	05:06	05:33	22	164	58	detectable	Celestron Plössl 15mm
Neb	M 16	IC 4703	Ser	6.0	9.0'x 4.0'		18h18m48.4s	-13°49'10"	03:43	05:10	05:28	15	126	67	challenging	Ultima 42mm
Neb	Sh 2-54	LBN 72	Ser		7.0'		18h17m52.4s	-11°44'04"	02:30	05:10	05:35	15	126	67	unknown	Ultima 42mm
Neb	NGC 1952	M 1	Tau	8.4	8.0'		05h34m30.0s	+22°01'00"	19:40	19:51	19:55	5	77	14	very challenging	Ultima 42mm
PNe	NGC 6853	M 27	Vul	7.3	8.0'	1100 ly	19h59m36.3s	+22°43'16"	04:32	05:18	05:34	8	66	64	detectable	Ultima 42mm

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