

# Monthly Observing List for April

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## Sun

	Rise	Culmination	Set
Direction	E	N	W
1 <sup>st</sup> Apr	07:47	13:33	19:18
15 <sup>th</sup> Apr	07:04	12:29	17:54
30 <sup>th</sup> Apr	07:21	12:26	17:31

Daylight savings ends on Sun 5<sup>th</sup> April.

## Moon

On average the Moon rises about 53 minutes later each day.

	Rise	Culmination	Set	Illumination	Highest Altitude
Direction	SE	N	SW	-	-
1 <sup>st</sup> Apr	15:04	19:33	00:02	49.8%	21.9°
8 <sup>th</sup> Apr (full moon)	18:35	01:01	07:40	99.6%	51.4°
15 <sup>th</sup> Apr	22:11	07:29	15:06	44.5%	67.6°
30 <sup>th</sup> Apr	13:43	18:18	22:56	43.5%	23.4°

## This Month's Planets

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### Jupiter

	Rise	Culmination	Set	Mag Range
Highest Altitude	68°			-
Direction	SE	N	SW	-
1 <sup>st</sup> Apr	01:06	08:36	16:05	0.89 to -1.99
15 <sup>th</sup> Apr	23:15	06:43	14:12	3.45 to -2.09
30 <sup>th</sup> Apr	22:25	05:52	13:20	1.46 to -2.20

The 'Magnitude Range' column describes the extincted magnitudes of the planet over the course of the night, starting from when it rises, going to dawn.

### Saturn

	Rise	Culmination	Set	Mag Range
Highest Altitude	67°			-
Direction	SE	N	SW	-
1 <sup>st</sup> Apr	01:38	09:02	16:26	2.83 to 0.82
15 <sup>th</sup> Apr	23:43	07:06	14:29	2.97 to 0.77
30 <sup>th</sup> Apr	22:46	06:09	13:32	3.24 to 0.72

## Mars

	Rise	Culmination	Set	Mag Range
Highest Altitude	67°			-
Direction	SE	N	SW	-
1 <sup>st</sup> Apr	01:34	09:03	16:33	2.51 to 0.94
15 <sup>th</sup> Apr	00:29	07:47	15:05	2.04 to 0.76
30 <sup>th</sup> Apr	00:24	07:31	14:37	1.67 to 0.58

## This Month's Constellations

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Constellations are in alphabetical order.

## Aquila

	Rise	Culmination	Set
Highest Altitude	40°		
Direction	E	N	W
1 <sup>st</sup> Apr	02:43	08:22	14:05
15 <sup>th</sup> Apr	00:48	06:27	12:10
30 <sup>th</sup> Apr	23:49	05:28	11:11

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
NGC 6709	Flying Unicorn Cluster	6.92	18:52:17 +10:20:38	Open cluster.
NGC 6755	Possible Binary Cluster	7.69	19:08:51 +04:18:03	Open cluster.
NGC 6741	Phantom Streak Nebula	9.78	19:03:41 -00:25:04	Planetary nebula. Distance: 12,160 ly.
HD187642 SAO125122	* Altair <b>α Aql</b>	0.97	19:51:48 +08:55:28	Double pulsating variable star. Distance: 16 ly. Spectral type A7. Period: 0.06 days.

## Canis Major

	Rise	Culmination	Set
Highest Altitude	69° (in Milky Way)		
Direction	SE	N	SW
1 <sup>st</sup> Apr	12:07	19:44	03:20
15 <sup>th</sup> Apr	10:12	17:49	01:25
30 <sup>th</sup> Apr	09:13	16:50	00:26

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments

NGC 2362	Pirate's Jewels Cluster	4.25	07:19:32 -24:59:38	Open cluster. Distance: 3,914 ly.
NGC 2287 M41	Little Beehive Cluster	4.66	06:46:54 -20:46:49	Open cluster. Distance: 2,316 ly.
NGC 2354		6.65	07:15:01 -25:43:36	Open cluster.
NGC 2360	Caroline's Cluster	7.36	07:18:39 -15:40:50	Open cluster. Distance: 6,155 ly.
NGC 2384		7.55	07:26:04 -21:03:50	Open cluster.
NGC 2345		7.87	07:09:15 -13:13:37	Open cluster.
NGC 2367	Charlie Brown's Christmas Tree	8.16	07:20:59 -21:55:18	Open cluster.
NGC 2374		8.16	07:24:53 -13:18:16	Open cluster.
NGC 2359	Thor's Helmet		07:19:27 -13:16:08	HII region.
HD48915 SAO151881	* Sirius α CMa	-1.28	06:46:03 -16:44:46	Double star. Distance: 8.6 ly. Spectral type A0.

## Canis Minor

	Rise	Culmination	Set
Highest Altitude	40°		
Direction	E	N	W
1 <sup>st</sup> Apr	14:46	20:23	01:59
15 <sup>th</sup> Apr	12:47	18:24	00:00
30 <sup>th</sup> Apr	11:52	17:29	23:05

Catalogue Name	Name	Extincted Mag	RA α / Dec δ	Comments
HD61421 SAO115756	* Procyon α CMi	0.65	07:40:23 +05:10:14	Double star. Distance: 11.4 ly. Spectral type F5.

## Coma Berenices

	Rise	Culmination	Set
Highest Altitude	21°		
Direction	NE	N	NW
1 <sup>st</sup> Apr	21:33	01:49	06:05
15 <sup>th</sup> Apr	19:38	23:54	04:10
30 <sup>th</sup> Apr	18:39	22:55	03:11

Catalogue Name	Name	Extincted Mag	RA α / Dec δ	Comments
NGC 5024		8.19	13:13:56	Globular cluster. Distance: 58,716 ly.

M53			+18:03:33	
NGC 4826 M64	Black Eye Galaxy	8.83	12:57:44 +21:34:17	Active spiral galaxy. Distance: 24 million light years.
NGC 4321 M100	Blowdryer Galaxy	9.60	12:23:58 +15:49:29	Active barred spiral galaxy. 54.9 million ly away.
NGC 4254 M99	Virgo Cluster Pinwheel	10.11	12:19:53 +14:18:07	Active spiral galaxy. Distance: 50 million ly.
NGC 4382 M85		10.27	12:26:27 +18:04:37	Active spiral galaxy. Distance: 60 million ly.
NGC 4192 M98		10.39	12:14:51 +14:47:09	Active barred spiral galaxy. Distance: 113 million ly.
NGC 4501 M88		13.42	12:33:02 +14:18:24	Active spiral galaxy. Distance: 47 million ly.
HD114378 SAO100443	* Diadem α Com	4.57	13:10:60 +17:25:16	Double star. Distance: 58 ly. Spectral type F5.

## Corona Australis

	Rise	Culmination	Set
Highest Altitude	86° (near Milky Way)		
Direction	SE	N	SW
1 <sup>st</sup> Apr	22:26	07:52	17:18
15 <sup>th</sup> Apr	20:31	05:57	15:23
30 <sup>th</sup> Apr	19:42	04:58	14:24

Catalogue Name	Name	Extincted Mag	RA α / Dec δ	Comments
NGC 6541	Cacciatore Cluster	7.61	18:09:32 -43:42:38	Globular cluster. Distance: 22,834 ly.
NGC 6723	Chandelier Cluster	8.41	19:00:56 -36:36:09	Globular cluster.
HD178253 SAO210990	* Meridiana α CrA	4.61	19:10:52 -37:52:14	Star. Distance: 125 ly. Spectral type A2.
HD177474 SAO210928	γ CrA	5.52	19:07:49 -37:01:55	Double star. Distance: 58 ly. Spectral type F8.

## Corvus

	Rise	Culmination	Set
Highest Altitude	67° (near Milky Way)		
Direction	SE	N	SW
1 <sup>st</sup> Apr	17:47	01:11	08:35
15 <sup>th</sup> Apr	15:52	23:16	06:40
30 <sup>th</sup> Apr	14:53	22:17	05:41

Catalogue Name	Name	Extincted Mag	RA α / Dec δ	Comments

NGC 4039	Antennae Galaxies	11.08	12:02:57 -19:00:01	Interacting spiral galaxies. Distance: 72 million ly.
HD105452 SAO180505	* Alchiba <b>a Crv</b>	4.23	12:09:29 -24:50:37	Star. Distance: 48 ly. Spectral type F1.

## Crater

	Rise	Culmination	Set
Highest Altitude	63°		
Direction	SE	N	SW
1 <sup>st</sup> Apr	17:09	00:16	07:23
15 <sup>th</sup> Apr	15:13	22:20	05:27
30 <sup>th</sup> Apr	14:14	21:21	04:28

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
NGC 3511		11.66	11:04:25 -23:11:55	Active spiral galaxy. Distance: 56 million ly.
NGC 3513		12.16	11:04:47 -23:21:26	Barred spiral galaxy. Distance: 55 million ly.
HD95272 SAO156375	* Alkes <b>a Crt</b>	4.20	11:00:47 -18:24:33	Star. Distance: 159 ly. Spectral type K0.

## Hydra

	Rise	Culmination	Set
Highest Altitude	54°		
Direction	SE	N	SW
1 <sup>st</sup> Apr	16:11	22:44	05:16
15 <sup>th</sup> Apr	14:16	20:49	03:21
30 <sup>th</sup> Apr	13:17	19:50	02:22

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
NGC 2548 M48	Beehive Cluster	5.99	08:14:44 -05:48:49	Open cluster. Distance: 1,500 ly.
NGC 4590 M68		7.45	12:40:34 -26:51:26	Globular cluster. Distance: 33,598 ly.
NGC 5236 M83	Southern Pinwheel Galaxy	7.71	13:38:11 -29:58:14	Active barred spiral galaxy. 45° orientation angle. Distance: 15 million ly.
NGC 3242	Ghost of Jupiter Nebula	8.74	10:25:46 -18:44:52	Planetary nebula. Distance: 3,568 ly.
NGC 3621	Frame Galaxy	9.69	11:19:17 -32:55:32	Active spiral galaxy. Distance: 23 million ly.
NGC 3923		9.94	11:52:05 -28:55:16	Elliptical galaxy. Distance: 84 million ly.

HD81797 SAO136871	* Alphard α Hya	2.11	09:28:36 -08:44:56	Double star. Distance: 180 ly. Spectral type K3.
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## Leo

	Rise	Culmination	Set
Highest Altitude	28°		
Direction	NE	N	NW
1 <sup>st</sup> Apr	18:40	23:26	04:13
15 <sup>th</sup> Apr	16:45	21:31	02:18
30 <sup>th</sup> Apr	15:46	20:32	01:19

Catalogue Name	Name	Extincted Mag	RA α / Dec δ	Comments
NGC 3627 M66	Leo Triplet	9.16	11:21:20 +12:52:41	Active barred spiral galaxy. Distance: 35 million ly.
NGC 3628	Leo Triplet/Hamburger Galaxy	9.72	11:21:22 +13:28:35	Active galaxy. Distance: 45 million ly.
NGC 3623 M65	Leo Triplet	10.49	11:20:01 +12:58:45	Active barred spiral galaxy.
HD87901 SAO98967	* Regulus α Leo	1.58	10:09:26 +11:52:09	Double star. Distance: 79 ly. Spectral type B8.

## Lepus

	Rise	Culmination	Set
Highest Altitude	64°		
Direction	SE	N	SW
1 <sup>st</sup> Apr	11:09	18:20	01:31
15 <sup>th</sup> Apr	09:14	16:25	23:36
30 <sup>th</sup> Apr	08:15	15:26	22:37

Catalogue Name	Name	Extincted Mag	RA α / Dec δ	Comments
NGC 1904 M79		8.94	05:25:02 -24:30:24	Globular cluster. Distance: 42,406 ly.
IC 418	Spirograph Nebula	13.59	05:28:26 -12:40:53	Planetary nebula. Distance: 242 ly.
HD36673 SAO150547	* Arneb α Lep	2.99	05:33:39 -17:48:32	Double star. Distance: 2,219 ly. Spectral type F0.

## Lupus

	Rise	Culmination	Set
Highest Altitude	89° (near Milky Way)		

Direction	E	W	S
1 <sup>st</sup> Apr	18:01	04:14	14:27
15 <sup>th</sup> Apr	16:06	02:19	12:32
30 <sup>th</sup> Apr	15:07	01:20	11:33

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
NGC 5822		6.66	15:05:59 -54:28:10	Open cluster.
NGC 5986		7.12	15:47:25 -37:50:59	Globular cluster. Distance: 33,924 ly.
NGC 5749		8.96	14:50:25 -54:36:06	Open cluster.
NGC 5927		9.03	15:29:31 -50:44:37	Globular cluster. Distance: 25,117 ly.
NGC 5882	Ghost of Uranus	11.07	15:18:15 -45:43:28	Planetary nebula. Distance: 7.704 ly.
HD129056 SAO225128	* $\alpha$ Lup	2.46	14:43:19 -47:28:33	Double pulsating variable star. Distance: 464 ly. Spectral type B2. Period: 0.25 days.

## Monoceros

	Rise	Culmination	Set
Highest Altitude	49° (in Milky Way)		
Direction	E	N	W
1 <sup>st</sup> Apr	13:37	19:48	01:58
15 <sup>th</sup> Apr	11:42	17:53	00:03
30 <sup>th</sup> Apr	10:43	16:54	23:04

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
NGC 2264	Christmas Tree Cluster	4.29	06:42:58 +09:52:27	Open cluster. Distance: 1,206 ly.
NGC 2237	Rosette Nebula	5.01	06:31:42 +04:57:55	Star cluster/nebula.
NGC 2323 M50	Heart-Shaped Coil Cluster	6.12	07:03:47 -08:22:09	Open cluster. Distance: 3,262 ly.
HD61935 SAO134986	* $\alpha$ Mon	4.09	07:42:14 -09:36:02	Star. Distance: 147 ly. Spectral type G9.

## Ophiuchus

	Rise	Culmination	Set
Highest Altitude	50° (near Milky Way)		
Direction	E	N	W
1 <sup>st</sup> Apr	23:39	05:55	12:14

15 <sup>th</sup> Apr	21:44	04:00	10:15
30 <sup>th</sup> Apr	20:45	03:01	09:16

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
IC 4665 Mel 179	Summer Beehive Cluster	4.43	17:47:19 +05:42:37	Open cluster.
NGC 6633	Tweedledum Cluster	4.88	18:28:32 +06:35:03	Open cluster.
NGC 6254 M10		6.58	16:58:14 -04:07:52	Globular cluster. Distance: 14,353 ly.
NGC 6266 M62	Flickering Globular Cluster	7.53	17:02:32 -30:08:28	Globular cluster. Distance: 22,181 ly.
NGC 6273 M19		7.61	17:03:54 -26:17:46	Globular cluster. Distance: 28,705 ly.
NGC 6218 M12	Gumball Globular Cluster	7.86	16:48:19 -01:59:03	Globular cluster. Distance: 15,657 ly.
NGC 6402 M14		8.51	17:38:41 -03:15:25	Globular cluster. Distance: 30,336 ly.
NGC 6333 M9		8.57	17:20:24 -18:32:11	Globular cluster. Distance: 25,769 ly.
NGC 6171 M107	Crucifix Cluster	9.00	16:33:41 -13:05:47	Globular cluster. Distance: 20,876 ly.
HD159561 SAO102932	* Rasalhague $\alpha$ Oph	2.32	17:35:54 +12:32:47	Double star. Distance: 46.7 ly. Spectral type A5.

## Orion

	Rise	Culmination	Set
Highest Altitude	41° (near Milky Way)		
Direction	E	N	W
1 <sup>st</sup> Apr	12:51	18:26	00:01
15 <sup>th</sup> Apr	10:52	16:31	22:06
30 <sup>th</sup> Apr	09:53	15:32	21:07

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
NGC 1976 M42	Orion Nebula	4.26	05:35:18 -05:22:44	Naked-eye nebula, HII region. Distance: 1,343 ly.
NGC 2068 M78	Casper the Friendly Ghost Nebula	8.58	05:47:50 +00:01:13	Reflection nebula. Distance: 1,598 ly.
B33	Horsehead Nebula		05:42:01 -02:26:57	Dark nebula.
NGC 2024	Flame Nebula		05:42:46 -01:49:59	Cluster/nebula.

HD39801 SAO113271	* Betelgeuse α Ori	0.78	05:56:17 +07:24:33	Pulsating variable double star. Distance: 498 ly. Spectral type M4. Period: 2,335 days.
HD34085 SAO131907	* Rigel β Ori	0.42	05:15:32 -08:10:45	Pulsating variable star. Distance: 863 ly. Spectral type B8.
HD35468 SAO112740	* Bellatrix γ Ori	1.98	05:26:14 +06:22:00	Double star. Distance: 252 ly. Spectral type B2.

## Puppis

	Rise	Culmination	Set
Highest Altitude	85° (in Milky Way)		
Direction	SE	N	SW
1 <sup>st</sup> Apr	11:03	20:19	05:36
15 <sup>th</sup> Apr	09:08	18:24	03:41
30 <sup>th</sup> Apr	08:09	17:15	02:42

Catalogue Name	Name	Extincted Mag	RA α / Dec δ	Comments
NGC 2422 M47		4.62	07:37:32 -14:31:49	Open cluster. Distance: 1,598 ly.
NGC 2477	Electric Guitar Cluster	5.96	07:52:54 -38:35:03	Open cluster. Distance: 3,986 ly.
NGC 2427 M46		6.31	07:42:43 -14:51:35	Open cluster. Distance: 5,545 ly.
NGC 2447 M93	Butterfly Cluster	6.39	07:45:23 -23:54:28	Open cluster. Distance: 3,588 ly.

## Pyxis

	Rise	Culmination	Set
Highest Altitude	79° (near Milky Way)		
Direction	SE	N	SW
1 <sup>st</sup> Apr	13:02	21:34	06:05
15 <sup>th</sup> Apr	11:07	19:39	04:10
30 <sup>th</sup> Apr	10:08	18:40	03:11

Catalogue Name	Name	Extincted Mag	RA α / Dec δ	Comments
NGC 2818		8.34	09:16:52 -36:42:52	Planetary nebula. Distance: 6,517 ly.
NGC 2627		8.55	08:38:07 -30:01:41	Open cluster.
NGC 2658		9.34	08:44:20 -32:44:25	Open cluster.
HD74575 SAO199546	* α Pyx	3.65	08:44:25 -33:15:42	Star. Distance: 879 ly. Spectral type B1.

## Sagittarius

	Rise	Culmination	Set
Highest Altitude	76° (near Milky Way)		
Direction	SE	N	SW
1 <sup>st</sup> Apr	23:30	07:42	15:54
15 <sup>th</sup> Apr	21:35	05:47	13:59
30 <sup>th</sup> Apr	20:36	04:48	13:00

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
M24	Small Sagittarius Star Cloud	4.75	18:18:01 -18:32:28	Open cluster. Distance: 10,014 ly. Orientation: 90°.
M25		4.76	18:33:00 -19:06:03	Open cluster. Distance: 1,999 ly.
NGC 6531 M21	Webb's Cross	6.05	18:05:28 -22:29:15	Open cluster. Distance: 4,240 ly.
M8	Lagoon Nebula	6.14	18:04:53 -24:22:33	HII region. Distance: 4,078 ly.
NGC 6618 M17	Omega/Swan Nebula	6.16	18:21:59 -16:09:40	Cluster with nebulosity. Distance: 5,499 ly.
NGC 6514 M20	Trifid Nebula	6.44	18:03:57 -22:58:13	Cluster with nebulosity. Distance: 5,219 ly.
NGC 6613 M18	Black Swan Cluster	7.06	18:21:10 -17:05:30	Open cluster. Distance: 4,893 ly.
NGC 6809 M55	Specter Cluster	7.58	19:41:18 -30:54:57	Globular cluster. Distance: 17,614 ly.
NGC 6520	Dead Man's Chest Cluster	7.74	18:04:42 -27:53:09	Open cluster.
NGC 6626 M28		7.81	18:25:49 -24:51:26	Globular cluster. Distance: 17,941 ly.
NGC 6715 M54		7.85	18:56:23 -30:27:08	Globular cluster. Distance: 87,421 ly.
NGC 6637 M69		8.45	18:32:44 -32:19:55	Globular cluster. Distance: 29,684 ly.
HD181869 SAO229659	* Rukbat $\alpha$ Sgr	4.08	19:25:19 -40:34:30	Star. Distance: 181 ly. Spectral type B8.

## Serpens Cauda

	Rise	Culmination	Set
Highest Altitude	53°		
Direction	E	N	W
1 <sup>st</sup> Apr	23:38	05:26	11:13
15 <sup>th</sup> Apr	21:39	03:27	09:14
30 <sup>th</sup> Apr	20:44	02:32	08:19

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
IC 4756	Graff's Cluster	4.89	18:39:32 +05:30:34	Open cluster.
NGC 6611 M16	Eagle Nebula	6.18	18:19:58 -13:48:50	Cluster with nebulosity. Distance: 7,000 ly. Contains Pillars of Creation.
NGC 5904 M5	Rose Cluster	6.84	15:19:36 +02:00:25	Globular cluster. Distance: 24,465 ly.
HD140572 SAO121157	* Unukalhai $\alpha$ Ser	2.80	15:45:17 +06:21:43	Double star. Distance: 74 ly. Spectral type K2.

## Scorpius

	Rise	Culmination	Set
Highest Altitude	82° (near Milky Way)		
Direction	SE	N	SW
1 <sup>st</sup> Apr	20:53	05:44	14:34
15 <sup>th</sup> Apr	18:58	03:48	12:39
30 <sup>th</sup> Apr	17:59	02:50	11:40

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
NGC 6231	False Comet Nebula	2.74	16:55:36 -41:51:32	Open cluster. Distance: 4,077 ly.
NGC 6475 M7	Ptolemy's Cluster	3.46	17:55:14 -34:47:45	Open cluster. Distance: 979 ly.
IC 4592	Blue Horsehead Nebula	4.18	16:14:00 -19:21:06	Reflection nebula. Distance: 522 ly.
NGC 6405 M6	Butterfly Cluster	4.36	17:41:41 -32:15:45	Open cluster. Distance: 1,601 ly.
NGC 6281	Moth Wing Cluster	5.55	17:06:05 -38:00:44	Cluster with nebulosity.
NGC 6121 M4	Crab Globular Cluster	6.04	16:24:51 -26:34:21	Globular cluster. Distance: 7,176 ly.
IC 4628	Prawn Nebula	7.24	16:58:21 -40:32:36	Cluster with nebulosity. Distance: 6,039 ly.
NGC 6266 M62	Flickering Globular Cluster	7.54	17:02:32 -30:08:28	Globular cluster. Distance: 22,182 ly.
HD148478 SAO184415	* Antares $\alpha$ Sco	1.20	16:30:41 -26:28:34	Pulsating variable star, double star. Spectral type M1. Distance: 554 ly.

## Scutum

	Rise	Culmination	Set
Highest Altitude	55° (near Milky Way)		
Direction	E	N	W
1 <sup>st</sup> Apr	00:54	07:34	14:14

15 <sup>th</sup> Apr	22:59	05:39	12:19
30 <sup>th</sup> Apr	22:00	04:40	11:20

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
NGC 6705 M11	Wild Duck Cluster	6.49	18:52:12 -06:14:40	Open cluster. Distance: 6,197 ly.
NGC 6664	Santa's Sleigh Cluster	7.98	18:37:44 -07:47:40	Open cluster.
NGC 6694 M26		8.18	18:46:26 -09:21:37	Open cluster. Distance: 5,003 ly.
HD171443 SAO142408	* $\alpha$ Sct	4.03	18:36:20 -08:13:41	Star. Distance: 199 ly. Spectral type K3.

## Sextans

	Rise	Culmination	Set
Highest Altitude	47°		
Direction	E	N	W
1 <sup>st</sup> Apr	17:04	23:08	05:12
15 <sup>th</sup> Apr	15:08	21:13	03:17
30 <sup>th</sup> Apr	14:10	20:14	02:18

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
NGC 3115	Spindle Galaxy	10.10	10:06:16 -07:49:11	Lenticular galaxy. Distance: 45 million ly. 45° orientation angle.

## Virgo

	Rise	Culmination	Set
Highest Altitude	49°		
Direction	E	N	W
1 <sup>st</sup> Apr	20:04	02:15	08:25
15 <sup>th</sup> Apr	18:09	00:20	06:30
30 <sup>th</sup> Apr	17:10	23:21	05:31

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
NGC 4594 M104	Sombrero Galaxy	8.20	12:41:04 -11:44:10	Active spiral galaxy. Distance: 29 million light years.
NGC 4472 M42		8.59	12:30:50 +07:53:11	Elliptical galaxy. Distance: 57 million ly.
NGC 4486 M87	Virgo Galaxy	8.97	12:31:52 +12:16:38	Galaxy. Distance: 60 million light years.

HD116658 SAO157923	* Spica α Vir	1.19	13:26:17 -11:16:07	Variable double star. Distance: 249 ly. Spectral type B1.
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Virgo is rich in galaxies, and the Virgo Cluster of many galaxies can be found in the area circled in the figure below. You can use your telescope to view the galaxies in the same field-of-view, depending on your telescope settings and the visibility.



### Circumpolar

## Carina

	Rise	Culmination	Set
Highest Altitude	Circumpolar, 72°		
Direction		S	
1 <sup>st</sup> Apr	-	22:12	-
15 <sup>th</sup> Apr	-	20:17	-
30 <sup>th</sup> Apr	-	19:18	-

Catalogue Name	Name	Extincted Mag	RA α / Dec δ	Comments
IC 2602	Southern Pleiades	2.04	10:43:43 -64:30:31	Open cluster. Distance: 544 ly.
NGC 3532	Wishing Well Cluster	3.14	11:06:32 -58:51:53	Open cluster. Distance: 1,621 ly.
NGC 2516	Sprinter Cluster	3.94	07:58:25 -60:48:35	Open cluster. Distance: 1,128 ly.

NGC 3293	Gem Cluster	4.83	10:36:37 -58:20:14	Cluster with nebulosity.
NGC 3324	Keyhole Nebula	6.84	10:38:07 -58:44:59	Open cluster. Distance: 9,786 ly.
IC 2488	Strings of Pearl Cluster	7.53	09:28:15 -57:05:26	Open cluster.
IC 2714	The Rip-Torn Cluster	8.34	11:18:21 -62:50:46	Open cluster.
NGC 3576	Statue of Liberty Nebula		11:12:43 -61:24:59	HII region. Distance: 3,588 ly.
HD45348 SAO234480	* Canopus α Car	-0.49	06:24:25 -52:42:28	Star. Distance: 309 ly. Spectral type A9.

## Centaurus

	Rise	Culmination	Set
Highest Altitude	Circumpolar, 85°		
Direction	S		
1 <sup>st</sup> Apr	-	02:17	-
15 <sup>th</sup> Apr	-	00:22	-
30 <sup>th</sup> Apr	-	23:23	-

Catalogue Name	Name	Extincted Mag	RA α / Dec δ	Comments
C 100 IC 2944	Running Chicken Nebula	4.64	11:39:18 -63:29:14	HII region. Distance: 5,852 ly.
NGC 3766	Pearl Cluster	5.44	11:37:16 -61:43:46	Open cluster. Distance: 5,692 ly.
NGC 5139	Omega Centauri Cluster	5.47	13:28:02 -47:35:10	Globular cluster. Distance: 15,788 ly.
NGC 5662	Gypsy Moth Cluster	5.66	14:37:07 -56:42:16	Open cluster.
NGC 5460		5.75	14:08:47 -48:26:26	Open cluster.
NGC 5281	Little Scorpion Cluster	6.05	13:48:03 -63:01:10	Open cluster.
NGC 5617	Dracula Cluster	6.46	14:31:17 -60:48:11	Open cluster.
NGC 5128	The Hamburger Galaxy	6.98	13:26:41 -43:07:34	Active lenticular galaxy. 42° orientation angle. Distance: 15 million ly.
NGC 5286		8.46	13:47:46 -51:28:37	Globular cluster. Distance: 35,882 ly.
NGC 3918	Blue Planetary Nebula	8.63	11:51:20 -57:17:50	Planetary nebula. Distance: 5,346 ly.
NGC 4945	The Tweezer Galaxy	9.44	13:06:40 -49:34:41	Active barred spiral galaxy. 43° orientation angle. Distance: 22 million ly.

HD128620 SAO252582	* Rigel Kentaurus <b>α</b> Cen	0.26	14:41:05 -60:54:14	Double star. Distance: 4.39 ly. Spectral type G2. Closest star to Earth.
HD128620 SAO252582	* Hadar <b>β</b> Cen	0.70	14:05:18 -60:28:17	Pulsating variable double star. Distance: 525 ly. Spectral type B1.
HD125823 SAO205497	* Bidelman's Helium Variable Star	4.64	14:24:16 -39:36:05	Rotating variable star. Distance: 457 ly. Spectral type B2. Period: 8.8 days.

## Crux

	Rise	Culmination	Set
Highest Altitude	Circumpolar, 74°		
Direction	-	S	-
1 <sup>st</sup> Apr	-	01:19	-
15 <sup>th</sup> Apr	-	23:24	-
30 <sup>th</sup> Apr	-	22:25	-

Catalogue Name	Name	Extincted Mag	RA <b>α</b> / Dec <b>δ</b>	Comments
NGC 4755	Jewel Box Cluster	4.34	12:54:54 -60:28:25	Open cluster. Distance: 11,206 ly.
NGC 4609	Coalsack Cluster	7.04	12:43:32 -63:06:29	Open cluster. Distance: 3,989 ly.
NGC 4103	The Longtail	7.54	12:07:45 -61:21:54	Open cluster.
NGC 4349		7.54	12:25:17 -61:59:11	Open cluster.
NGC 4439		8.54	12:29:34 -60:12:50	Open cluster.
NGC 4052		8.94	12:02:16 -63:20:06	Open cluster.
NGC 4337		9.03	12:25:08 -58:13:53	Open cluster.
HD108248 SAO251904	* Acrux <b>α</b> Cru	1.39	12:27:46 -23:12:47	Double star. Distance: 321 ly. Spectral type B0.
HD111123 SAO240259	* Mimosa <b>β</b> Cru	1.39	12:48:57 -59:48:04	Pulsating variable double star. Distance: 353 ly. Spectral type B1. Period: 0.23 days.
HD108903 SAO240019	* Gacrux <b>γ</b> Cru	1.68	12:32:19 -57:13:43	Double star. Distance: 89 ly. Spectral type M3.
HD106490 SAO239791	* Imai <b>δ</b> Cru	2.88	12:16:15 -58:51:49	Pulsating variable star. Distance: 345 ly. Spectral type B2. Period: 0.15 days.
HD107446 SAO251862	* Ginan <b>ε</b> Cru	3.66	12:22:30 -60:30:52	Distance: 230 ly. Spectral type K3.

## Dorado

	Rise	Culmination	Set
Highest Altitude	73°		
Direction	-	S	-
1 <sup>st</sup> Apr	-	18:04	-
15 <sup>th</sup> Apr	-	16:09	-
30 <sup>th</sup> Apr	-	15:10	-

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
PGC 17223	Large Magellanic Cloud	1.08	05:23:25 -69:44:16	Barred spiral dwarf galaxy. Distance: 163,000 ly.
NGC 2070	Tarantula Nebula	7.42	05:38:34 -69:05:22	Cluster/nebula. Distance: 170,015 ly.
HD29305 SAO233564	* $\alpha$ Dor	3.81	04:34:27 -55:00:11	Rotating variable double star. Distance: 175 ly. Spectral type B8.

## Musca

	Rise	Culmination	Set
Highest Altitude	64°		
Direction	-	S	-
1 <sup>st</sup> Apr	-	01:13	-
15 <sup>th</sup> Apr	-	23:14	-
30 <sup>th</sup> Apr	-	22:19	-

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
NGC 4463		7.34	12:31:07 -64:54:14	Open cluster.
NGC 4833	The Southern Butterfly	7.94	13:00:58 -70:59:15	Globular cluster.
NGC 4815		8.75	12:59:20 -65:04:16	Open cluster.
NGC 4372		10.00	12:26:59 -72:46:24	Globular cluster.
HD109668 SAO251974	* $\alpha$ Mus	2.80	12:38:27 -69:14:56	Pulsating variable double star. Distance: 315 ly. Spectral type B2. Period: 0.09 days.

## Pavo

	Rise	Culmination	Set
Highest Altitude	68°		
Direction	-	S	-
1 <sup>st</sup> Apr	-	08:16	-

15 <sup>th</sup> Apr	-	06:21	-
30 <sup>th</sup> Apr	-	05:22	-

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
NGC 6752	Pavo Globular Cluster	6.54	19:12:41 -59:56:57	Globuar cluster. Distance: 13,048 ly.
NGC 6744		8.49	19:11:43 -63:49:21	Active barred spiral galaxy. Distance: 28.8 million ly.
HD193924 SAO246574	* Peacock $\alpha$ Pav	2.27	20:27:16 -56:40:00	Double star. Distance: 178 ly. Spectral type B3.

## Tucana

	Rise	Culmination	Set
Highest Altitude	73°		
Direction	-	S	-
1 <sup>st</sup> Apr	-	12:23	-
15 <sup>th</sup> Apr	-	10:20	-
30 <sup>th</sup> Apr	-	09:25	-

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
NGC 292	Small Magellanic Cloud	2.48	00:53:21 -72:41:18	Dwarf galaxy.
NGC 104	47 Tuc	4.38	00:24:59 -71:58:01	Globular cluster. Distance: 15,298 ly. Orientation angle: 73°.
NGC 362		6.87	01:03:56 -70:44:17	Globular cluster. Distance: 27,727 ly.
HD211416 SAO255193	* $\alpha$ Tuc	3.37	22:19:54 -60:09:21	Star. Distance: 199 ly. Spectral type K3.

## Vela

	Rise	Culmination	Set
Highest Altitude	Circumpolar, 84°		
Direction		S	
1 <sup>st</sup> Apr	-	22:22	-
15 <sup>th</sup> Apr	-	20:27	-
30 <sup>th</sup> Apr	-	19:28	-

Catalogue Name	Name	Extincted Mag	RA $\alpha$ / Dec $\delta$	Comments
IC 2391	• (Omicron) Vel Cluster	2.64	08:41:07 -53:06:26	Open cluster. Distance: 574 ly.

NGC 3228	Queen's Cache Cluster	6.13	10:22:11 -51:49:57	Open cluster.
NGC 2669		6.24	08:46:58 -53:01:28	Open cluster.
NGC 2910		7.33	09:31:10 -53:00:41	Open cluster.
IC 2488	Strings of Pearl Cluster	7.53	09:28:15 -57:05:26	Open cluster.
NGC 2818		8.33	09:16:52 -36:42:52	Planetary nebula. Distance: 6,517 ly.
NGC 2736	Pencil Nebula		09:00:55 -46:01:53	HII region.
HD68273 SAO219504	* Regor <b>γ</b> Vel	1.89	08:10:10 -47:23:54	Double star. Distance: 1,116 ly. Spectral type WC8.
HD78647 SAO220878	* Suhail <b>λ</b> Vel	2.33	09:08:45 -43:31:00	Pulsating variable double star. Distance: 544 ly. Spectral type K4.