



**Aspect of the sky from 50° 45' N : 2° 00' W at 21:00 UTC**

Chart from [www.fourmilab.ch](http://www.fourmilab.ch)

**Earth:** The Spring equinox occurs on March 20<sup>th</sup> at 09:01. Note: British Summer Time starts on Sunday 30<sup>th</sup>. Clocks spring forward at 01:00 UT

**Lunar Phases:** First Qtr: March 6<sup>th</sup> at 04:31; Full: March 14<sup>th</sup> at 06:55 Last Qtr: March 22<sup>nd</sup> at 11:29 and New: March 29<sup>th</sup> at 10:58. Note there will be a **total eclipse** of the Moon on the 14<sup>th</sup> the partial phase starts at 05:10 and the full at 06:26, just as the Moon is setting, note – in the morning! There will be a partial eclipse of the Sun on March 29<sup>th</sup> at 10:58, when at our lat. and long. about 30% of the solar disc will be covered.

**Apsides:** Perigee (closest) March 1<sup>st</sup> at 21:21, 361964 Km, (32' 55") and March 30<sup>th</sup> at 05:24, 358128 km (33' 18"); Apogee (furthest) March 17<sup>th</sup>. at 16:36, 405754 Km (29' 06").

**Mercury (♿)** is an evening star, at greatest eastern elongation on the 14<sup>th</sup>, then is at Inferior conjunction on the 24<sup>th</sup> thence becoming a morning star, but will be close to the horizon on a shallow ecliptic so will not be observable. Moon near on the 6<sup>th</sup>. (ie. during the evening apparition).

**Venus (♀)**: at month's start, is visible in the evening sky, until it reaches Inferior Conjunction on the 23<sup>rd</sup>, between earth and the Sun, thence becoming a morning star, reaching 15° west of the sun, mag. -4.2 by month's end, but only 4° above the horizon at sunrise, so will not be easily seen then. Moon near on the 2<sup>nd</sup> (in the evening sky)

**Mars (♂)**: being just past opposition last month, is still bright, mag. -0.1, now moving direct in Gemini. Moon near on the 8<sup>th</sup>. (4°).

**Jupiter (♃)**: is still a bright object in the evening sky, mag. -2.1, and sets at 00:37 at month's end. Moon is near on the 5<sup>th</sup>.

**Saturn (♄)**: is in solar conjunction on the 12<sup>th</sup> and to all intents and purposes will be unobservable this month. Incidentally on the 23<sup>rd</sup> the ring plane will be edge onto Earth, but will not be observable.

**Uranus (♅)**: is still 20° west of Jupiter during the month, a greenish disc, diameter 3.6 arc seconds, mag. 5.8. by month. Moon is fairly close on the 4<sup>th</sup>.

**Neptune (♆)**: is 8° east of Saturn, mag 7.9, a small bluish disc, diameter 2.25 arc seconds, but not observable as its too close to the Sun.

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**Sunrise set times:**

Date	Rise	Transit	Set	Date	Rise	Transit	Set
01 Mar 2025	06:51:50	12:20:15	17:49:32	21 Mar 2025	06:08:10	12:15:04	18:22:57
06 Mar 2025	06:41:11	12:19:10	17:58:03	26 Mar 2025	05:57:01	12:13:34	18:31:07
11 Mar 2025	06:30:19	12:17:55	18:06:26	31 Mar 2025	05:45:54	12:12:04	18:39:15
16 Mar 2025	06:19:17	12:16:32	18:14:44				

**Moonrise set times:**

Date	Rise	Transit	Set	Date	Rise	Transit	Set
01 Mar 2025	07:28:36	13:37:26	20:05:15	21 Mar 2025	01:44:44	05:11:07	08:33:59
06 Mar 2025	09:14:50	18:11:39	02:02:22	26 Mar 2025	05:02:38	09:41:37	14:34:00
11 Mar 2025	14:58:59	22:42:35	05:51:38	31 Mar 2025	06:18:47	14:01:24	22:07:35
16 Mar 2025	20:57:45	01:25:44	06:50:43				

**B Persei, (Algol)** (Mag 2.1 to 3.4) – the 2 visible minima are:

12<sup>th</sup> at 03:25 (low in the NW sky); 15<sup>th</sup> at 00:15, NW sky, and 17<sup>th</sup> at 21:05.

**RZ Cassiopeiae** (mag 6.2 to 7.7) – the visible 7 minima are:

4<sup>th</sup> at 22:00; 10<sup>th</sup> at 21:25; 16<sup>th</sup> at 20:50; 20<sup>th</sup> at 22:20; 22<sup>nd</sup> at 20:19 and 28<sup>th</sup> at 19:45.

**Lambda Tauri** (mag 3.4 to 3.9) there are no visible minima this month.

Keep a watching brief for **T Corona Borealis**.

For observation of the ISS during the month, log-in to <http://www.heavens-above.com>.

The next Durlston event will be March 1<sup>st</sup> at 7pm when Jupiter, Mars Orion Nebula and the Winter constellations will be on view.

Then on March 22<sup>nd</sup> at 7:30 when Jupiter, Mars, Orion Nebula and the Spring constellations will be observed. Both meetings weather permitting of course!

**Solar news**

Geomagnetic activity has been variable during February with some 'storm periods'. But no auroral activity noted. Keep watching. The Sun is becoming more active just now.

Jupiter's **Great Red Spot (GRS)**:

2<sup>nd</sup> at 21:30; 4<sup>th</sup> at 23:10; 9<sup>th</sup> at 22:18; 11<sup>th</sup> at 23:57; 12<sup>th</sup> at 19:46; 14<sup>th</sup> at 21:28; 16<sup>th</sup> at 23:08; 19<sup>th</sup> at 20:36; 21<sup>st</sup> at 22:15; 23<sup>rd</sup> at 23:52; 24<sup>th</sup> at 19:45; 26<sup>th</sup> at 21:24; 28<sup>th</sup> at 23:05 and 31<sup>st</sup> at 20:32

**Meteor Activity:** There are no known meteor showers in March.

Good observing Robert Hatch

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# Passes of the ISS for March.

Date	Brightness (mag)	Start			Highest point			End			Pass type
		Time	Alt.	Az.	Time	Alt.	Az.	Time	Alt.	Az.	
Morning passes:											
28 Feb	-3.7	05:40:40	21°	W	05:42:44	65°	SSW	05:46:06	10°	ESE	visible
01 Mar	-3.9	04:54:35	77°	WSW	04:54:45	82°	SSW	04:58:08	10°	ESE	visible
02 Mar	-1.6	04:08:29	26°	E	04:08:29	26°	E	04:10:04	10°	E	visible
02 Mar	-2.9	05:41:25	19°	W	05:43:17	35°	SSW	05:46:25	10°	SE	visible
03 Mar	-3.4	04:55:22	49°	SSW	04:55:22	49°	SSW	04:58:33	10°	SE	visible
04 Mar	-1.4	04:09:21	20°	ESE	04:09:21	20°	ESE	04:10:31	10°	ESE	visible
04 Mar	-2.0	05:42:17	15°	WSW	05:43:30	18°	SW	05:45:52	10°	S	visible
05 Mar	-2.2	04:56:21	23°	S	04:56:21	23°	S	04:58:19	10°	SSE	visible
Evening passes:											
13 Mar	-2.4	20:00:01	10°	SW	20:02:06	27°	S	20:02:06	27°	S	visible
14 Mar	-2.4	19:11:49	10°	SSW	19:14:31	23°	SE	19:15:56	17°	ESE	visible
14 Mar	-1.5	20:47:34	10°	WSW	20:48:50	21°	WSW	20:48:50	21°	WSW	visible
15 Mar	-3.8	19:58:55	10°	WSW	20:02:12	60°	SSE	20:02:28	57°	SE	visible
16 Mar	-3.3	19:10:18	10°	SW	19:13:29	43°	SSE	19:15:55	16°	E	visible
16 Mar	-2.2	20:46:46	10°	W	20:48:49	34°	W	20:48:49	34°	W	visible
17 Mar	-3.9	19:57:56	10°	WSW	20:01:16	89°	NNW	20:02:08	47°	ENE	visible
17 Mar	-0.5	21:34:43	10°	W	21:35:01	12°	W	21:35:01	12°	W	visible
18 Mar	-3.8	19:09:04	10°	WSW	19:12:24	74°	SSE	19:15:20	13°	ENE	visible
18 Mar	-2.6	20:45:49	10°	W	20:48:13	43°	WNW	20:48:13	43°	WNW	visible
19 Mar	-3.7	19:56:51	10°	W	20:00:13	74°	N	20:01:19	39°	ENE	visible
19 Mar	-0.7	21:33:38	10°	WNW	21:34:11	14°	WNW	21:34:11	14°	WNW	visible
20 Mar	-3.7	19:07:51	10°	W	19:11:12	80°	N	19:14:20	12°	E	visible
20 Mar	-2.9	20:44:38	10°	WNW	20:47:12	49°	WNW	20:47:12	49°	WNW	visible
21 Mar	-3.8	19:55:36	10°	W	19:58:57	77°	N	20:00:08	37°	E	visible
21 Mar	-0.8	21:32:22	10°	W	21:33:00	15°	W	21:33:00	15°	W	visible
22 Mar	-3.7	19:06:30	10°	W	19:09:51	73°	N	19:13:02	11°	E	visible
22 Mar	-3.0	20:43:15	10°	WNW	20:45:54	48°	WSW	20:45:54	48°	WSW	visible
23 Mar	-3.8	19:54:07	10°	WNW	19:57:28	81°	SSW	19:58:45	35°	ESE	visible
23 Mar	-0.8	21:31:05	10°	W	21:31:36	13°	W	21:31:36	13°	W	visible
24 Mar	-3.8	19:04:55	10°	WNW	19:08:17	84°	NNE	19:11:34	10°	E	visible
24 Mar	-2.5	20:41:43	10°	W	20:44:25	34°	SW	20:44:25	34°	SW	visible
25 Mar	-3.2	19:52:26	10°	W	19:55:41	50°	SSW	19:57:14	26°	SE	visible
26 Mar	-3.6	19:03:07	10°	WNW	19:06:27	68°	SSW	19:09:47	10°	ESE	visible
26 Mar	-1.7	20:40:19	10°	W	20:42:43	18°	SW	20:42:53	18°	SW	visible
27 Mar	-2.1	19:50:41	10°	W	19:53:34	27°	SSW	19:55:41	15°	SSE	visible
29 Mar	-1.1	19:49:19	10°	WSW	19:51:06	14°	SW	19:52:53	10°	S	visible

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## Passes of the ACS3 for March.

Date	Brightness (mag)	Start			Highest point			End			Pass type
		Time	Alt.	Az.	Time	Alt.	Az.	Time	Alt.	Az.	
28 Feb	4.9	05:22:39	10°	NE	05:26:03	15°	E	05:29:26	10°	ESE	visible
28 Feb	3.4	18:54:52	10°	SSW	19:00:39	38°	W	19:06:22	10°	NNW	visible
01 Mar	4.4	05:47:29	10°	NE	05:52:15	24°	E	05:56:58	10°	SE	visible
01 Mar	4.2	19:21:38	10°	SW	19:26:41	25°	W	19:31:42	10°	NW	visible
02 Mar	3.6	06:12:47	10°	NNE	06:18:18	36°	E	06:23:44	10°	SSE	visible
02 Mar	4.8	19:49:03	10°	WSW	19:52:50	16°	W	19:56:36	10°	NW	visible
03 Mar	2.7	18:28:07	10°	S	18:34:12	55°	W	18:40:14	10°	NNW	visible
04 Mar	4.9	05:21:58	10°	NE	05:25:32	16°	E	05:29:05	10°	ESE	visible
04 Mar	3.6	18:54:24	10°	SSW	19:00:05	37°	W	19:05:43	10°	NNW	visible
05 Mar	4.4	05:46:47	10°	NE	05:51:38	25°	E	05:56:26	10°	SE	visible
05 Mar	4.3	19:21:08	10°	SW	19:26:04	24°	W	19:30:56	10°	NW	visible
06 Mar	4.8	19:48:33	10°	WSW	19:52:07	16°	W	19:55:39	10°	NW	visible
07 Mar	2.8	18:27:21	10°	S	18:33:23	53°	W	18:39:21	10°	NNW	visible
08 Mar	4.9	05:20:59	10°	NE	05:24:41	17°	E	05:28:21	10°	ESE	visible
08 Mar	3.6	18:53:36	10°	SSW	18:59:10	35°	W	19:04:44	10°	NNW	visible
09 Mar	4.3	05:45:46	10°	NNE	05:50:41	26°	E	05:55:33	10°	SE	visible
09 Mar	4.4	19:20:17	10°	SW	19:25:05	23°	W	19:29:50	10°	NW	visible
10 Mar	4.8	19:47:42	10°	WSW	19:51:03	15°	W	19:54:23	10°	NW	visible
11 Mar	5.4	04:56:25	10°	ENE	04:57:27	10°	ENE	04:58:27	10°	E	visible
11 Mar	2.9	18:26:15	10°	S	18:32:13	51°	W	18:38:07	10°	NNW	visible
12 Mar	4.8	05:19:40	10°	NE	05:23:29	17°	E	05:27:17	10°	SE	visible
12 Mar	3.7	18:52:26	10°	SSW	18:57:56	34°	W	19:03:24	10°	NNW	visible
13 Mar	4.3	05:44:25	10°	NNE	05:49:23	26°	E	05:54:18	10°	SE	visible
13 Mar	4.5	19:19:05	10°	SW	19:23:45	22°	W	19:28:23	10°	NW	visible
14 Mar	4.9	19:46:30	10°	WSW	19:49:39	14°	W	19:52:48	10°	NW	visible
15 Mar	5.3	04:54:34	10°	ENE	04:56:00	11°	E	04:57:25	10°	E	visible
16 Mar	4.8	05:18:02	10°	NE	05:21:56	18°	E	05:25:50	10°	SE	visible
16 Mar	3.8	18:50:55	10°	SSW	18:56:20	33°	W	19:01:44	10°	NNW	visible
17 Mar	4.3	05:42:44	10°	NNE	05:47:44	27°	E	05:52:44	10°	SSE	visible
17 Mar	4.5	19:17:31	10°	SW	19:22:05	22°	W	19:26:38	10°	NW	visible
18 Mar	4.9	19:44:55	10°	WSW	19:47:54	14°	W	19:50:53	10°	NW	visible
19 Mar	5.3	04:52:31	10°	ENE	04:54:13	11°	E	04:55:54	10°	E	visible
20 Mar	4.8	05:16:04	10°	NE	05:20:04	18°	E	05:24:03	10°	SE	visible
20 Mar	3.9	18:49:04	10°	SSW	18:54:25	32°	W	18:59:45	10°	NNW	visible
21 Mar	4.6	19:15:35	10°	SW	19:20:04	21°	W	19:24:32	10°	NW	visible
22 Mar	4.9	19:42:58	10°	WSW	19:45:49	13°	W	19:48:39	10°	NW	visible
23 Mar	5.2	04:50:11	10°	ENE	04:52:05	11°	E	04:53:59	10°	E	visible
24 Mar	4.7	05:13:46	10°	NE	05:17:50	19°	E	05:21:54	10°	SE	visible
25 Mar	4.6	19:13:18	10°	SW	19:17:43	21°	W	19:22:07	10°	NW	visible
26 Mar	4.9	19:40:38	10°	WSW	19:43:22	13°	W	19:46:07	10°	NW	visible
27 Mar	5.2	04:47:34	10°	ENE	04:49:37	12°	E	04:51:40	10°	E	visible
28 Mar	4.7	05:11:09	10°	NE	05:15:17	19°	E	05:19:25	10°	SE	visible
29 Mar	4.6	19:10:39	10°	SW	19:15:01	21°	W	19:19:23	10°	NW	visible
30 Mar	5.0	20:37:56	10°	WSW	20:40:36	13°	W	20:43:16	10°	NW	visible
31 Mar	5.2	05:44:38	10°	ENE	05:46:49	12°	E	05:48:58	10°	ESE	visible
01 Apr	4.7	06:08:12	10°	NE	06:12:23	19°	E	06:16:35	10°	SE	visible