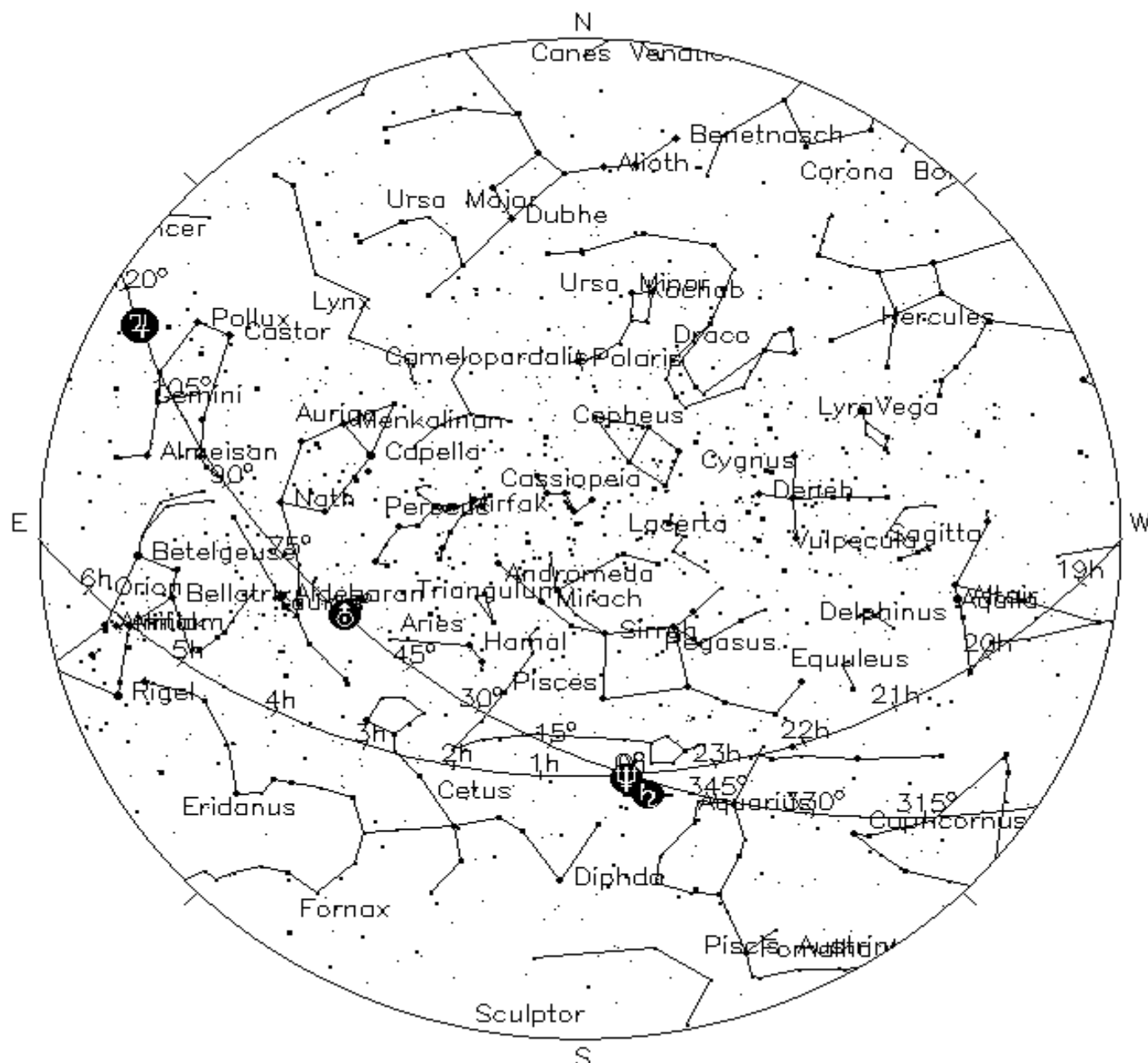




Aspect of the sky from 50 45' N : 2 00' W at 21:00 UTC

Chart from www.fourmilab.ch

Lunar Phases Full Nov. 5th at 13:19; Last Qtr: Nov. 12th at 05:28; New: Nov. 20th at 06:47 and First Qtr: Nov. 20th at 06:59. This full moon will be a **super moon**, coinciding with perigee on the same date. See apsides below.

Apsides: Perigee (closest) Nov. 5th at 22:26, 356822 km, (33' 09''); Apogee (furthest) Nov. 20th at 02:48, 406691 km, (29' 02''). The Full moon will be a 'supermoon', being on the perigee date, see above. This is the second of 3 supermoons this year. This will be the brightest supermoon since 2019! December's full moon will also be a supermoon.

Mercury (☿): Despite starting the month near maximum eastern elongation as an evening star, it will not be observable, being on or below the western horizon at dusk. Mercury is at Superior Conjunction (far side of the Sun) on the 20th.

Venus (♀): is 7° above the horizon at dawn on the 1st, an hour before sunrise, mag -3.9, but moving in toward the Sun.

Mars (♂): is within a few degrees east of the Sun and will be lost in its glare all month, same as for October.

Jupiter (♃): rises at 20:20, mid-month and transits at 04:20, mag – 2.2. Moon close on the 9th. See later for timings of the GRS.

Saturn (♄): is moving slowly retrograde being just past opposition last month, so is visible all night, mag.0.6. It reaches a stationary point on the 30th thence moves direct. Moon is close on the 1st, 2nd, and 29th.

Uranus (♅): is 3° SE of the Pleiades all month, mag. 5.6. Moon near on the 10th.

Neptune (♆): is about 3° above left of Saturn during the month, mag 7.8. The chart shows Neptune (♆) and Saturn close together. The Moon close on the 5th, as for Saturn.

Moon occults the Pleiades on the 10th at 05:45, just as dawn is breaking. –

Sunrise set times: All times in UTC

Date	Rise	Transit	Set	Date	Rise	Transit	Set
01 Nov 2025	06:59:52	11:51:35	16:42:36	21 Nov 2025	07:33:24	11:53:55	16:13:59
06 Nov 2025	07:08:25	11:51:38	16:34:12	26 Nov 2025	07:41:05	11:55:22	16:09:15
11 Nov 2025	07:16:56	11:52:03	16:26:34	01 Dec 2025	07:48:11	11:57:07	16:05:43
16 Nov 2025	07:25:17	11:52:48	16:19:47				

Moonrise set times: All times in UTC

Date	Rise	Transit	Set	Date	Rise	Transit	Set
01 Nov 2025	15:00:00	20:40:58	01:15:49	21 Nov 2025	09:17:04	12:48:34	16:16:18
06 Nov 2025	16:35:23	00:12:28	08:42:35	26 Nov 2025	12:34:31	17:01:12	21:38:51
11 Nov 2025	22:25:34	05:25:37	13:28:41	01 Dec 2025	13:45:40	20:56:08	02:59:50
16 Nov 2025	03:22:37	09:05:05	14:34:09				

B Persei, (Algol) (mag. 2.1 to 3.4) – the minimum are

5th at 03:10; 8th at 00:00; 25th at 04:50; 28th at 01:40 and 30th at 22:30.

RZ Cassiopeiae (mag. 6.2 to 7.7) – these are the following opportunities

3rd at 19:40; 5th at 00:25; 9th at 19:08; 10th at 23:50; 12th at 04:30; 15th at 18:35; 16th at 23:15; 18th at 03:55; 23rd at 02:20 and 22:15; 25th at 04:00 and 23:50; 28th at 01:30 and 21:25 and finally 30th at 03:10 and 23:00. Being circumpolar, RZ Cass is visible whenever it's dark.

Lambda Tauri (mag. 3.4 to 3.9) – There are no opportunities this month, mostly in daytime.

Evening passes of the ISS start on the 13th. See page 3.

Durlston event this month is on Saturday November 29th at 7.00pm. when Saturn with Enceladus appearing from behind at 8:48pm, Jupiter with Callisto appearing from behind at 8:50 pm and Io's shadow transit at 10:00pm, a 66% Moon with crater Copernicus will be on view, also Neptune and autumn constellations, will be observed.

Solar news

The Sun is still active. Keep a watching brief. Spaceweather.com is a good resource, showing the auroral oval.

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

1st at 04:10; 2nd at 00:00; 3rd at 05:45; 4th at 21:30; 6th at 03:15 and 23:10; 8th at 04:55; 9th at 00:45 and 20:40; 11th at 02:25 and 22:15; 13th at 04:05 and 23:55; 15th at 05:45; 16th at 21:25; 18th at 03:15 and 23:05; 20th at 04:50; 21st at 00:45 and 20:35; 23rd at 02:20 and 22:15; 25th at 04:00; 27th at 05:40; 28th at 01:30 and 21:24 and 30th at 03:10 and 23:00. End of listing!

Meteor Activity: The November Leonids peak on the morning of the 17th. The Moon is New on the 20th so reasonably favourable conditions this year! The shower is very weak with fast meteors emanating from a point in the sickle (head) of Leo.

Good observing.

Robert Hatch 04 November 2025

Passes for the ISS in November 2025

Date	Brightness (mag)	Time	-----Start-----		---- Highest point--			-----End-----		Pass type
			Alt.	Az.	Time	Alt.	Az.	Time	Alt.	Az.
13 Nov-1.5	18:44:27	10°	SSW	18:45:33	17°	S	18:45:33	17°	S	visible
14 Nov-2.0	17:56:38	10°	S	17:59:00	18°	SE	17:59:14	18°	SE	visible
14 Nov-0.5	19:31:59	10°	WSW	19:32:09	11°	WSW	19:32:09	11°	WSW	visible
15 Nov-1.4	17:09:20	10°	SSE	17:10:42	12°	SE	17:12:05	10°	ESE	visible
15 Nov-2.4	18:43:36	10°	SW	18:45:44	33°	SSW	18:45:44	33°	SSW	visible
16 Nov-2.9	17:55:18	10°	SW	17:58:23	35°	SSE	17:59:13	30°	ESE	visible
16 Nov-0.5	19:31:36	10°	W	19:32:07	14°	W	19:32:07	14°	W	visible
17 Nov-2.2	17:07:09	10°	SSW	17:09:57	25°	SE	17:12:37	11°	E	visible
17 Nov-2.8	18:43:02	10°	WSW	18:45:31	47°	WSW	18:45:31	47°	WSW	visible
18 Nov-3.7	17:54:28	10°	WSW	17:57:47	64°	SSE	17:58:51	38°	E	visible
18 Nov-0.5	19:31:12	10°	W	19:31:44	14°	W	19:31:44	14°	W	visible
19 Nov-3.2	17:05:59	10°	SW	17:09:12	46°	SSE	17:12:08	12°	E	visible
19 Nov-2.8	18:42:31	10°	W	18:45:01	47°	W	18:45:01	47°	W	visible
20 Nov-3.9	17:53:50	10°	W	17:57:11	86°	N	17:58:15	40°	ENE	visible
20 Nov-0.5	19:30:39	10°	W	19:31:08	14°	W	19:31:08	14°	W	visible
21 Nov-3.7	17:05:08	10°	WSW	17:08:29	79°	SSE	17:11:28	13°	ENE	visible
21 Nov-2.7	18:41:55	10°	W	18:44:20	44°	WNW	18:44:20	44°	WNW	visible
22 Nov-3.8	17:53:09	10°	W	17:56:31	74°	N	17:57:31	41°	ENE	visible
22 Nov-0.4	19:29:57	10°	WNW	19:30:24	13°	WNW	19:30:24	13°	WNW	visible
23 Nov-3.8	17:04:22	10°	W	17:07:43	78°	N	17:10:41	13°	E	visible
23 Nov-2.7	18:41:11	10°	WNW	18:43:34	44°	WNW	18:43:34	44°	WNW	visible
24 Nov-3.9	17:52:22	10°	W	17:55:43	79°	N	17:56:45	41°	E	visible
24 Nov-0.4	19:29:09	10°	W	19:29:38	13°	W	19:29:38	13°	W	visible
25 Nov-2.7	18:40:17	10°	WNW	18:42:50	44°	WSW	18:42:50	44°	WSW	visible
26 Nov-3.7	17:51:25	10°	WNW	17:54:45	76°	SSW	17:56:04	34°	ESE	visible
26 Nov-0.4	19:28:28	10°	W	19:28:58	13°	W	19:28:58	13°	W	visible

27 Nov-3.8	17:02:31	10°	WNW	17:05:52	88°	N	17:09:14	10°	ESE	visible
27 Nov-2.2	18:39:22	10°	W	18:42:17	31°	SW	18:42:17	31°	SW	visible
28 Nov-2.8	17:50:21	10°	W	17:53:34	45°	SSW	17:55:42	18°	SE	visible
29 Nov-3.3	17:01:22	10°	WNW	17:04:41	62°	SSW	17:07:59	10°	ESE	visible
29 Nov-1.1	18:38:44	10°	W	18:40:55	16°	SW	18:42:13	14°	SSW	visible
30 Nov-1.5	17:49:21	10°	W	17:52:07	24°	SW	17:54:52	10°	SSE	visible
01 Dec-2.0	17:00:10	10°	W	17:03:15	34°	SSW	17:06:19	10°	SE	visible
02 Dec-0.5	17:49:05	10°	WSW	17:50:23	12°	SW	17:51:41	10°	SSW	visible
03 Dec-0.7	16:59:12	10°	W	17:01:33	18°	SW	17:03:53	10°	S	visible