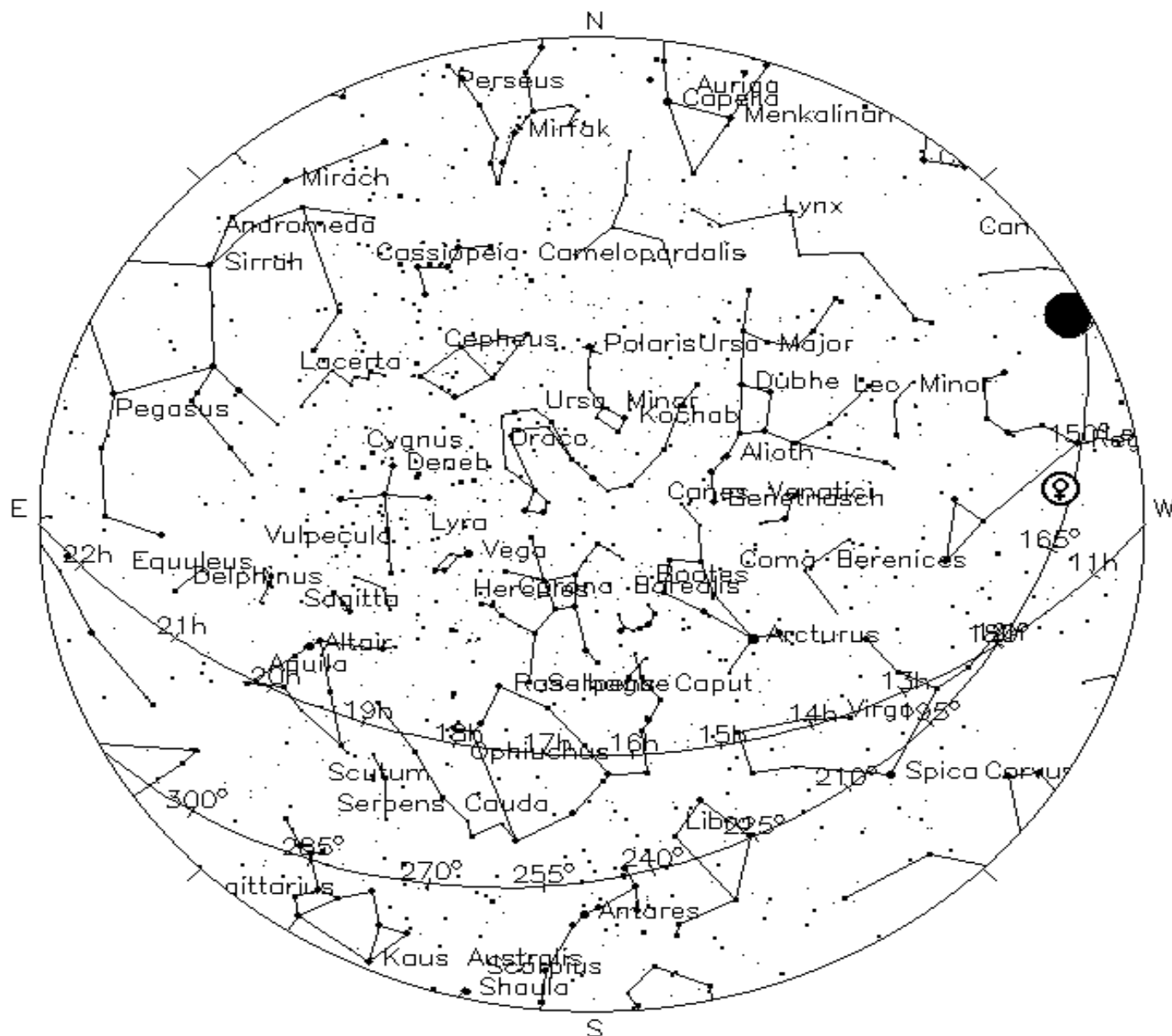




Aspect of the sky from 50° 45' N : 2° 00' W at 21:00 UTC

Chart from www.fourmilab.ch

Earth is at aphelion (furthest from the Sun) on July 6th at 18:30 152 million km.

Lunar Phases; Last Qtr: July 7th at 20:29; New: July 14th at 10:43; First Qtr: July 21st at 12:05 and Full: July 29th at 15:36

Apsides: Apogee (furthest) July 25th at 16:45, 405548 Km (29'24"); Perigee (closest) July 12th at 07:56, 359112 km (33' 42")

Mercury (☿): starts the month still in the evening sky but moves to inferior conjunction on the 12th. thence becoming a morning 'star' reaching 19° west by month's end at Mag 0.9 and 6° above the eastern horizon at dawn.

Venus (♀): continues as an evening star, being at an elongation of 41° east of the sun mag.-4.1, on the 1st, and reaching an elongation of 45° by the 31st.

Mars (♂): is a morning object moving from 37° elongation to 45° elongation, during the month mag 1.3. On the 4th, Mars will be just 9 seconds of arc from Uranus, mag.5.8, 14° above the eastern horizon at dawn, between the Hyades and Pleiades (binoculars required). Moon near on the 11th.

Jupiter (♃): is in solar conjunction on the 29th but may still be spotted at month's start, low down in the NW as it approaches this date. Note: No GRS timings are offered this month.

Saturn (♄): rises at midnight on the 1st, elongation 86° west, mag 0.8 reaching 112° west of the Sun at mag 0.6, by month's end. Moon close on the 7th.

Uranus (♅): is 9" of arc from Mars on the 4th as noted in Mars' entry. Moon near Uranus on the 11th.

Neptune (♆): is 9.5° west of Saturn, during the month, but at mag 7.9, will not be easy to observe.

The Moon is near the Pleiades on the 11th. Regulus on the 16th, Spica on the 20th and just below Antares on the 24th.

Notes continued on page 2.

Sunrise set times:

Date	Rise	Transit	Set	Date	Rise	Transit	Set
01 Jul 2026	03:59:07	12:11:54	20:24:20	21 Jul 2026	04:19:20	12:14:28	20:08:46
06 Jul 2026	04:02:55	12:12:48	20:22:11	26 Jul 2026	04:26:00	12:14:34	20:02:14
11 Jul 2026	04:07:39	12:13:33	20:18:49	31 Jul 2026	04:33:03	12:14:25	19:54:50
16 Jul 2026	04:13:10	12:14:07	20:14:20				

Moonrise set times:

Date	Rise	Transit	Set	Date	Rise	Transit	Set
01 Jul 2026	21:45:44	01:03:31	04:53:37	21 Jul 2026	13:15:59	18:03:51	22:40:35
06 Jul 2026	22:59:01	04:47:28	11:03:57	26 Jul 2026	18:42:55	22:08:18	00:40:07
11 Jul 2026	00:22:25	09:05:02	18:02:37	31 Jul 2026	20:42:38	01:20:30	06:24:22
16 Jul 2026	06:40:42	14:17:00	21:31:57				

B Persei, (Algol) (Mag 2.1 to 3.4) – no minima are easily visible this month. The star is too close to the northern horizon to make any viewing worthwhile.

RZ Cassiopeiae (mag 6.2 to 7.7) –binoculars required; the provisional visible minima are:
2nd at 00:35; 8th at 00:02; 13th at 23:25; 19th at 22:50; 25th at 22:18 and 31st at 21:45.
most in the sky area to the north east of Polaris.

Lambda Tauri (mag 3.4 to 3.9) no visible minima this month, the star is below the northern horizon.

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

For observation of the ISS during the month, log-in to <http://www.heavens-above.com>. There are only 4 morning passes, and 4 evening passes this month starting on the 3rd.

The next Durlston event will be in August -Perseids. More details next month.

Solar news

Geomagnetic activity is low now that the sun's activity is much reduced.

Jupiter's **Great Red Spot (GRS)**: timings will return when Jupiter is better placed for observation.

Meteor Activity: There is no reported shower for July but the **Noctilucent Clouds NLCs** season is still open as noted in June's issue.

Good observing Robert Hatch

01 July 2026

Continued on page 3

Passes of the ISS for July.

Date	Brightness (mag)	Start Time	Start Alt.	Start Az.	Highest point Time	Highest point Alt.	Highest point Az.	End Time	End Alt.	End Az.	Pass type
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Morning passes:

3 Jul	-1.0	19:52:17	10°	SW	19:52:42	13°	SW	19:52:42	13°	SW	visible
4 Jul	-3.7	19:04:24	10°	SSW	19:07:41	54°	SE	19:10:58	10°	NE	visible
5 Jul	-0.2	19:55:18	10°	WNW	19:56:21	11°	NW	19:57:25	10°	NW	visible
6 Jul	-1.2	19:05:38	10°	WSW	19:08:25	24°	NW	19:11:11	10°	N	visible

Evening passes

9 Jul	-1.8	05:05:31	10°	N	05:08:33	32°	NE	05:11:35	10°	ESE	visible
10 Jul	-0.5	04:18:38	10°	NNE	04:20:35	15°	NE	04:22:33	10°	E	visible
11 Jul	-3.3	05:06:01	10°	NW	05:09:11	39°	SW	05:12:21	10°	SSE	visible
12 Jul	-1.1	04:24:05	13°	SE	04:24:05	13°	SE	04:24:33	10°	SE	visible