



# OASI News

The newsletter of Orwell Astronomical Society (Ipswich)



Comet C/2025 A6 Lemmon (named after the mount Lemmon observatory that discovered it). By Nigel Evans

Trustees:

Mr Neil Morley Mr David Payne Mr Bill Barton

Honorary President:

Dr Allan Chapman D. Phil MA FRAS

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## Society Notices

Dear Members,

A big thank you to everybody who helped out at our open evenings at Orwell Park Observatory!

Over 400 visitors attended on both nights, which meant that we were a little stretched at times, however we received much positive feedback from those who attended. It is pleasing to know that our society was able to promote interest in astronomy and Orwell Park Observatory with the general public.

Over the two evenings, seven new members have joined our society, who I would like to extend a warm welcome to and hope to meet at one of our meetings in the coming weeks.

Thank you and clear skies!

Andy Gibbs,

## Committee 2025

|                  |                                |                                                                                                                                                     |
|------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Chairman</b>  | <a href="#">Andy Gibbs</a>     | Set overall agenda for OASI, Chair committee meetings, Press and publicity                                                                          |
| <b>Secretary</b> | <a href="#">Roy Gooding</a>    | Outreach meetings (jointly with Chairman), observatory decoration                                                                                   |
| <b>Treasurer</b> | <a href="#">Paul Whiting</a>   | Finance, Supervision of applications for grants. Visits by outside groups, Observatory tours, public appreciation of astronomy, Outreach activities |
| <b>Committee</b> | <a href="#">James Appleton</a> | Committee meeting minutes, Web site                                                                                                                 |
|                  | <a href="#">Martin Cook</a>    | Membership, Tomline refractor maintenance & user testing                                                                                            |
|                  | <a href="#">Matt Leeks</a>     | Safety & security                                                                                                                                   |
|                  | <a href="#">Peter Richards</a> | Lecture meetings                                                                                                                                    |
|                  | <a href="#">Mike Whybray</a>   | Astronomy Workshops, Child protection officer, Orwell Park School Astronomy                                                                         |
|                  | <a href="#">Andy Willshire</a> | Librarian                                                                                                                                           |
|                  | <a href="#">Adam Honeybell</a> | Newsletter                                                                                                                                          |
|                  | <a href="#">Paul Whiting</a>   | OASI @ Newbourne                                                                                                                                    |

## Committee Meeting

The next Committee Meeting will be the Friday 28<sup>th</sup> November 2025 on Zoom. All members welcome.

## New Members

Andrew Scott

Bhagwandas Mastana

Tom Hunt

Patrick Moore

Elodie Alderson

Fran Newton

Scott Ireland

Michael Small

Louise Manning

## Society Contact details

|                                    |                                                                                                   |
|------------------------------------|---------------------------------------------------------------------------------------------------|
| Website:                           | <a href="https://www.oasi.org.uk">https://www.oasi.org.uk</a>                                     |
| Events:                            | <a href="https://www.oasi.org.uk/Events/Events.php">https://www.oasi.org.uk/Events/Events.php</a> |
| Email queries:                     | <a href="mailto:info@oasi.org.uk">info@oasi.org.uk</a>                                            |
| Submissions for Newsletter:        | <a href="mailto:news@oasi.org.uk">news@oasi.org.uk</a>                                            |
| Members-only message board:        | <a href="https://groups.io/g/OASI">https://groups.io/g/OASI</a>                                   |
| Observatory (meeting nights only): | ☎ 07960 083714                                                                                    |

## Social Media

For other astronomy news and astro pictures try our socials:

|           |                                                                                                               |
|-----------|---------------------------------------------------------------------------------------------------------------|
| Facebook: | <a href="https://www.facebook.com/groups/445056098989371">https://www.facebook.com/groups/445056098989371</a> |
| YouTube:  | <a href="https://www.youtube.com/@orwellastronomical425">https://www.youtube.com/@orwellastronomical425</a>   |
| WhatsApp: | There is a WhatsApp group. Please email to be added.                                                          |

We'd like to use social media a little more, since it's a more direct and immediate way to interact with members and potential members. Feel free to post pictures, comments or interesting articles. The more it's used, the more other people will be inclined to use it as well.

## Articles for OASI News

News, pictures and articles for this newsletter are always welcome.

Please send tables as separate files in one of these formats (Excel, .csv, OpenOffice)

If you don't feel up to writing a major article, perhaps you might write a short note for OASI News along the lines of "This month I have mostly been observing/constructing/mending/reading/etc."

Please send material for the OASI web site and newsletter e.g., observations, notices of events, general interest articles, to [news@oasi.org.uk](mailto:news@oasi.org.uk)

The CLOSING date is the **15th** day of the month (i.e. 15<sup>th</sup> November).

The Newsletter archive is at [www.oasi.org.uk/NL/NL\\_form.shtml](http://www.oasi.org.uk/NL/NL_form.shtml)

**Authors, please note that your articles will be publicly available worldwide!**

## Reproducing articles from OASI News

If you plan to reproduce an article exactly as per OASI News then please contact the Editor – otherwise, as a matter of courtesy, please seek permission from and credit the original source/author. You may not reproduce articles for profit or other commercial purpose.

## Meetings and events

We have regular meetings on the 2<sup>nd</sup> and 4<sup>th</sup> Monday of the month (usually) at **Newbourne Village Hall**, and every Wednesday at **Orwell Park**. Night sky observing will usually take place when the skies are clear. See [website](http://oasi.org.uk) for more events.

| Date, Time & Location                                                | Contact       | Event                                                                                                                                                                                |
|----------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weekly, every Wednesday, from 20:00, Orwell Park Observatory, Nacton | Martin Cook   | Observatory open                                                                                                                                                                     |
| Monday 24th November 2025<br>19:30<br>Newbourne Village Hall         | Paul Whiting, | Newbourne meeting - beginners and new members welcome! Observing target for the month: Cassiopeia. 19:30 doors open. 19:45 Sky Notes by Bill Barton, FRAS.                           |
| Friday 28th November 2025<br>20:00<br>Zoom                           | Roy Gooding   | Committee meeting via Zoom. All members are invited to attend.                                                                                                                       |
| Monday 1st December 2025<br>20:00<br>Orwell Park Observatory         | Paul Whiting, | Taster evening . Places must be booked in advance by email: <a href="mailto:tour@oasi.org.uk">tour@oasi.org.uk</a> .                                                                 |
| Monday 8th December 2025<br>19:30<br>Newbourne Village Hall          | Paul Whiting, | Newbourne meeting - beginners and new members welcome! Observing targets for the month: Saturn and Uranus. 19:30 Doors open for quiz night!                                          |
| Monday 15th December 2025<br>20:00<br>Zoom                           | Paul Whiting, | Pre-recorded talk: The Search for Earth 2.0: Why we Think it Exists and How we're Going to Find it by Jessie Christiansen. (Zoom login details are provided in an email to members.) |

## OASI @ Orwell Park

There are regular meetings every Wednesday evening from 8pm. Access is controlled by a gate and a fob. The entrance is gate 2 is on Church Road, What3Words is [tour.fuse.banks](https://www.what3words.com/?w3wc=1&w3w=tour.fuse.banks)

### Access into the School Grounds and Observatory Tower

The route is as follows:

- Enter through gate 2 (gate 1 being the main gate) and park inside as per the attached map.
- Enter the school through the double black doors as indicated on the map. A key fob will be required to open the door.
- Continue straight through the next two sets of double doors.
- Turn left at the end of the short corridor then immediately right.
- Pass through the single door and on your left you will find the staircase leading to the observatory.
- On no account must you deviate from this route.



When leaving the observatory use the same route but in reverse. Please keep noise to a minimum as there are staff quarters nearby.

## OASI @ Newbourne

[newbourne@oasi.org.uk](mailto:newbourne@oasi.org.uk)

We meet at Newbourne Village Hall, Mill Lane, IP12 4NP on the 2nd and 4th Mondays from 19:30.

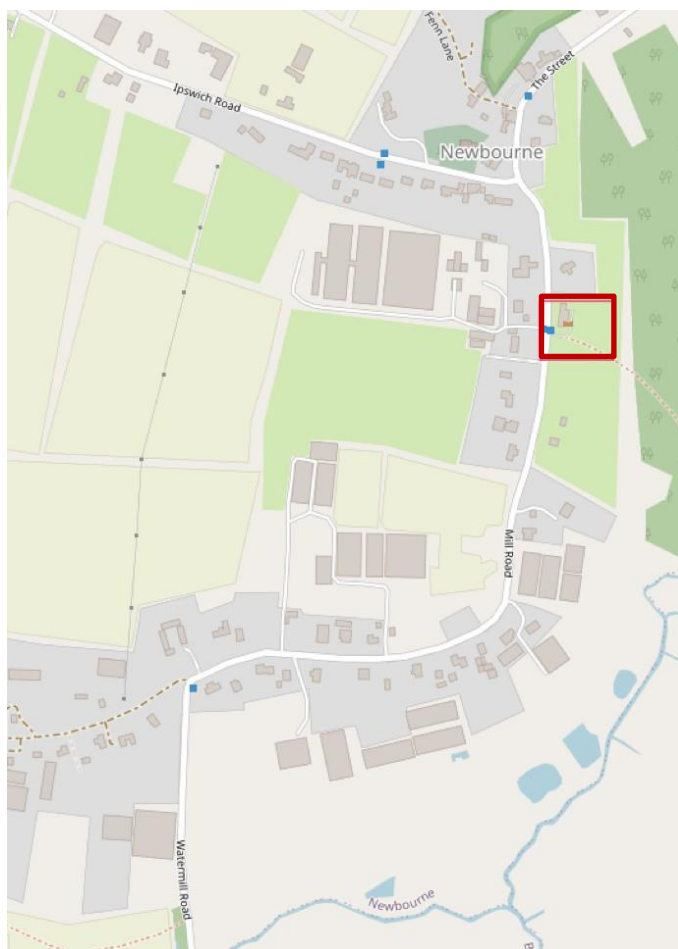
What3Words [scars.atlas.printing](https://www.what3words.com/scars.atlas.printing)

**Visitors are welcome but we do ask you to join the Society after two visits.**

<http://www.oasi.org.uk/OASI/Membership.php>

### Newbourne dates for 2025

|          |    |    |
|----------|----|----|
| November | 10 | 24 |
| December | 08 | 22 |



We open up for all meetings at 7:30pm.

Astro News (A) / Sky Notes (S) at 7:45pm followed by any Talks (T), Workshops (W) and occasional Quiz (Q).

# indicates a change to the normal monthly pattern.

## Forthcoming Outreach Programmes 2025

All members are welcome to come along and help out at these events – you don't need to be an expert in the subject, just some enthusiasm! Just respond to the email call for help prior to the event.

Please note that not all events are open to the public.

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |

## BAA news, events & webinars

BAA: <https://britastro.org/events/future-events>

Events correct at time of publication, please go to website for latest information.

| Date                  | Event             |
|-----------------------|-------------------|
| Saturday 6th December | Christmas Meeting |
| Saturday 24th January | BAA Meeting       |
| Saturday 31st January | SPA Meeting       |

### The BAA Radio Astronomy Section

The BAA Radio Astronomy Section have been enjoying talks, seminars and tutorials via Zoom and these are available on the BAA YouTube channel <https://www.youtube.com/user/britishastronomical/playlists>.

# The Night Sky in November 2025

Event times are for Orwell Park Observatory at 52.0096°N, 1.2305°E. Times are **GMT** unless otherwise stated.

## Sun, Moon and planets

Sources: <http://heavens-above.com/PlanetSummary.aspx> <http://heavens-above.com/moon.aspx>

| Object       | Date | Rise  | Set   | Mag. | Notes                                                                                                                          |
|--------------|------|-------|-------|------|--------------------------------------------------------------------------------------------------------------------------------|
| Sun☉         | 1    | 06:50 | 16:26 |      |                                                                                                                                |
|              | 30   | 07:40 | 15:48 |      |                                                                                                                                |
| Moon<br>☾    | 1    | 14:48 | 01:00 |      | Perigee : 05 November 22:28<br>Apogee : 20 November 02:49<br>New Moon : 20 November 06:47<br>First Quarter : 28 November 06:59 |
|              | 30   | 13:17 | 01:22 |      |                                                                                                                                |
| Mercury<br>☿ | 1    | 09:25 | 16:55 | 0.0  |                                                                                                                                |
|              | 30   | 05:55 | 15:09 | 0.4  |                                                                                                                                |
| Venus<br>♀   | 1    | 05:16 | 15:58 | -3.8 |                                                                                                                                |
|              | 30   | 06:51 | 15:19 | -3.8 |                                                                                                                                |
| Mars<br>♂    | 1    | 08:42 | 17:00 | 1.5  |                                                                                                                                |
|              | 30   | 08:43 | 16:10 | 1.3  |                                                                                                                                |
| Jupiter<br>♃ | 1    | 20:56 | 12:57 | -2.2 |                                                                                                                                |
|              | 30   | 18:59 | 11:02 | -2.4 |                                                                                                                                |
| Saturn<br>♄  | 1    | 15:18 | 02:39 | 0.9  |                                                                                                                                |
|              | 30   | 13:23 | 00:41 | 1.1  |                                                                                                                                |
| Uranus<br>♅  | 1    | 17:11 | 08:53 | 5.6  |                                                                                                                                |
|              | 30   | 15:13 | 06:53 | 5.6  |                                                                                                                                |
| Neptune<br>♆ | 1    | 15:18 | 03:05 | 7.8  |                                                                                                                                |
|              | 30   | 13:23 | 01:09 | 7.9  |                                                                                                                                |

## Occultations during November 2025

[https://iota-es.de/moon/grazing\\_descrx101.html](https://iota-es.de/moon/grazing_descrx101.html) and  
<http://www.lunar-occultations.com/iota/bstar/bstar.htm>

Observers are encouraged to download and install the [Occult](#) software program [Windows only] to generate predictions for their own particular site coordinates.

## Meteor showers during November 2025

No significant showers in November. But there can always be the odd rogue if you keep looking long enough!

See also <https://www.rmg.co.uk/stories/topics/meteor-shower-guide>

For radio observation, use reflections from Graves Radar on 143.049MHz or the Brams transmitter in Belgium on 49.97MHz and UK GB3MBA on 50.408MHz <https://www.ukmeteorbeacon.org/Home>

See also [https://www.popastro.com/main\\_spa1/meteor/radio-meteor-observing-2020/](https://www.popastro.com/main_spa1/meteor/radio-meteor-observing-2020/).

## Comets

Source : <https://heavens-above.com/Comets.aspx>.

| Comet                                | Brightness | Date of last reported observation | Angular separation from sun | Constellation |
|--------------------------------------|------------|-----------------------------------|-----------------------------|---------------|
| C/2025 R2 SWAN                       | 9.4        | 2025-Nov-15                       | 120.0                       | Pisces        |
| C/2025 T1 ATLAS                      | 9.7        | 2025-Nov-15                       | 67.0                        | Hercules      |
| C/2025 K1 ATLAS                      | 9.7        | 2025-Nov-16                       | 93.0                        | Ursa Major    |
| 3I ATLAS                             | 9.8        | 2025-Nov-16                       | 48.0                        | Virgo         |
| 210P Christensen                     | 11.8       | 2025-Nov-02                       | 14.0                        | Libra         |
| 240P NEAT                            | 12.1       | 2025-Nov-15                       | 166.0                       | Taurus        |
| C/2022 N2 PANSTARRS                  | 13.6       | 2025-Nov-14                       | 172.0                       | Aries         |
| 24P Schaumasse                       | 13.6       | 2025-Nov-16                       | 100.0                       | Leo           |
| C/2024 E1 Wierzbos                   | 13.8       | 2025-Nov-13                       | 30.0                        | Ophiuchus     |
| 235P LINEAR                          | 14.0       | 2025-Nov-15                       | 40.0                        | Virgo         |
| C/2025 V1 Borisov                    | 14.6       | 2025-Nov-08                       | 28.0                        | Serpens       |
| C/2024 J3 ATLAS                      | 14.9       | 2025-Oct-23                       | 46.0                        | Scutum        |
| C/2014 UN271 Bernardinelli-Bernstein | 15.0       | 2025-Nov-14                       | 84.0                        | Mensa         |
| 240P-B NEAT                          | 15.1       | 2025-Nov-15                       | 166.0                       | Taurus        |
| C/2021 G2 Atlas                      | 15.2       | 2025-Oct-25                       | 20.0                        | Serpens       |
| C/2022 QE78 ATLAS                    | 15.3       | 2025-Nov-08                       | 101.0                       | Leo           |
| C/2024 T5 ATLAS                      | 15.3       | 2025-Nov-15                       | 114.0                       | Eridanus      |
| C/2022 E2 ATLAS                      | 15.4       | 2025-Nov-07                       | 112.0                       | Lacerta       |
| C/2023 R1 PANSTARRS                  | 15.9       | 2025-Nov-03                       | 56.0                        | Aquila        |

## Visible ISS passes >30° max altitude for November 2025

Source: <http://heavens-above.com/PassSummary.aspx?satid=25544>

Times are **GMT**.

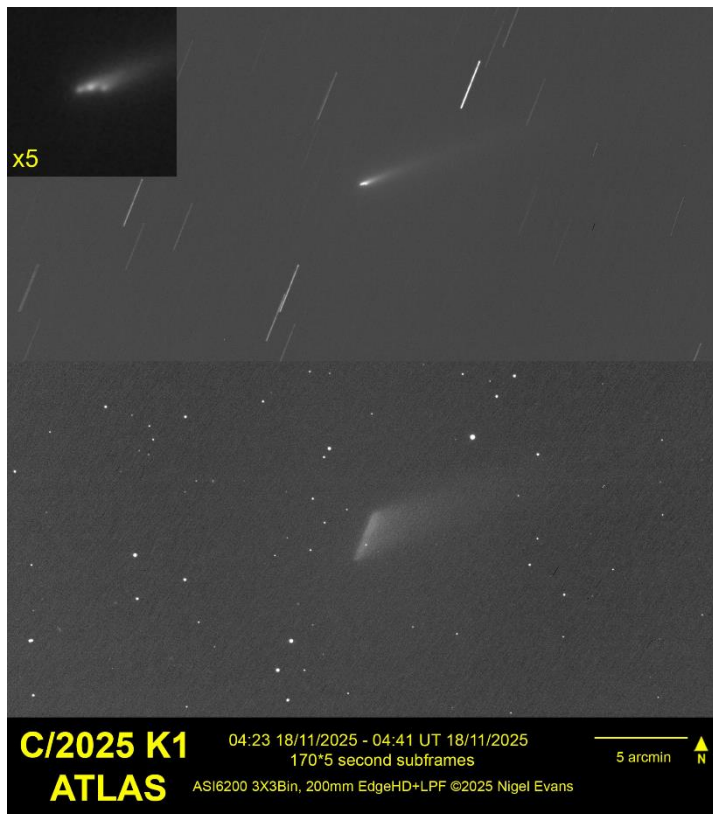
Predictions are approximate (07/04/25) due to craft adjustments. Check the day before.

There are more passes than this, but they're below 30 degrees, so will be harder to spot unless you have good weather and can see the horizon. As with stella/planetary brightness, the more negative the magnitude, the brighter it is.

| Date          | Brightness | Start    |      |     | Highest point |      |     | End      |      |     |
|---------------|------------|----------|------|-----|---------------|------|-----|----------|------|-----|
|               | (mag)      | Time     | Alt. | Az. | Time          | Alt. | Az. | Time     | Alt. | Az. |
| <b>18 Nov</b> | -3.7       | 18:00:19 | 10°  | WSW | 18:03:37      | 59°  | SSE | 18:03:52 | 57°  | SE  |
| <b>19 Nov</b> | -3.2       | 17:12:15 | 10°  | SW  | 17:15:28      | 46°  | SSE | 17:17:34 | 19°  | E   |
| <b>20 Nov</b> | -3.9       | 18:00:31 | 10°  | W   | 18:03:53      | 81°  | S   | 18:04:08 | 73°  | ESE |
| <b>21 Nov</b> | -3.7       | 17:12:18 | 10°  | WSW | 17:15:38      | 71°  | SSE | 17:17:45 | 21°  | E   |
| <b>22 Nov</b> | -3.9       | 18:00:43 | 10°  | W   | 18:04:04      | 86°  | S   | 18:04:16 | 78°  | ESE |
| <b>23 Nov</b> | -3.8       | 17:12:24 | 10°  | W   | 17:15:45      | 86°  | S   | 17:17:52 | 21°  | E   |
| <b>24 Nov</b> | -3.8       | 18:00:47 | 10°  | W   | 18:04:08      | 72°  | S   | 18:04:22 | 68°  | SSE |
| <b>25 Nov</b> | -3.8       | 17:12:25 | 10°  | W   | 17:15:46      | 82°  | S   | 17:18:00 | 19°  | E   |
| <b>26 Nov</b> | -3.7       | 16:24:00 | 10°  | W   | 16:27:22      | 86°  | S   | 16:30:44 | 10°  | E   |
| <b>26 Nov</b> | -3.1       | 18:00:46 | 10°  | W   | 18:04:01      | 48°  | SSW | 18:04:36 | 42°  | SSE |
| <b>27 Nov</b> | -3.4       | 17:12:20 | 10°  | W   | 17:15:39      | 61°  | SSW | 17:18:21 | 14°  | ESE |
| <b>28 Nov</b> | -3.5       | 16:23:52 | 10°  | W   | 16:27:13      | 74°  | S   | 16:30:33 | 10°  | ESE |
| <b>29 Nov</b> | -2.4       | 17:12:10 | 10°  | W   | 17:15:18      | 37°  | SSW | 17:18:25 | 10°  | SE  |
| <b>30 Nov</b> | -2.8       | 16:23:37 | 10°  | W   | 16:26:52      | 49°  | SSW | 16:30:07 | 10°  | SE  |

## Member observations

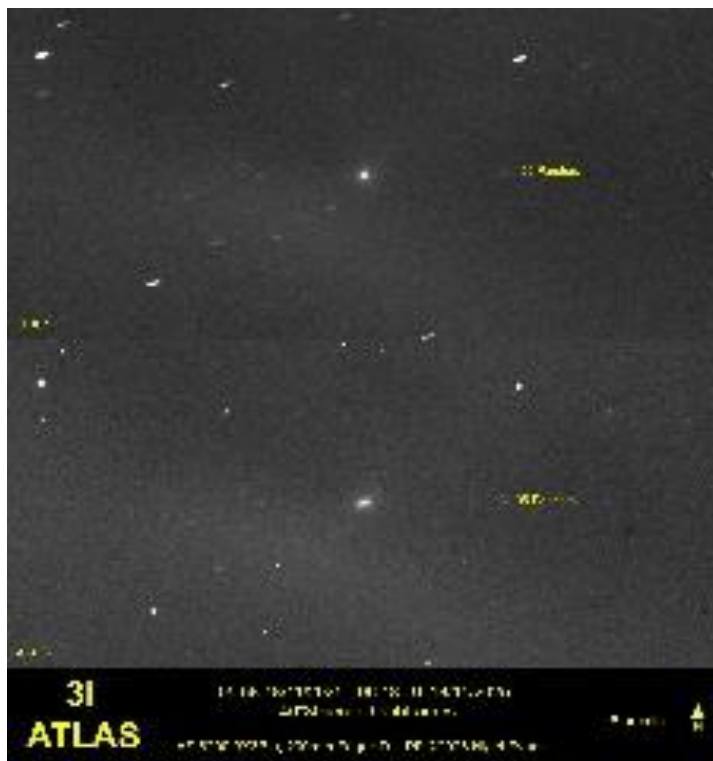
Nigel Evans



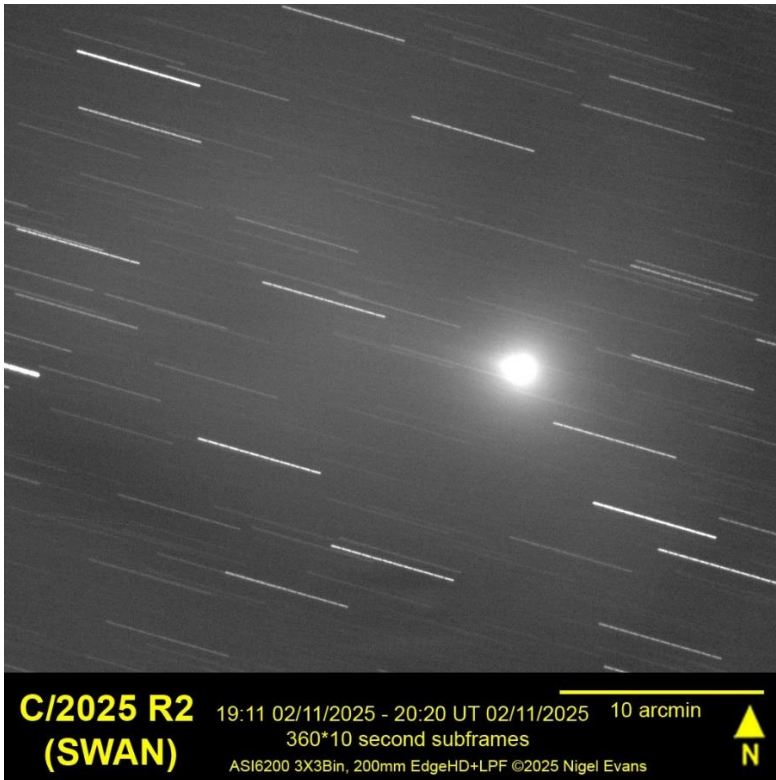
After much dismal weather recently there was predicted to be a clear spot on the morning of 18 November. It was damn cold :-)

First target was C025 K1 ATLAS. Recently it has been reported (e.g BAA) that the nucleus has fallen apart. With the sky motion being some 9 arcseconds per minute, short exposures were used, so as to not blur the very detail I wanted to see. 3 main components are currently visible in 251118 C2025K1ATLAS NSE.jpg

The last target was in the twilight sky - that being the interstellar comet 3I\_ATLAS emerging into the dawn sky 251118 3I\_ATLAS NSE.jpg. I did not expect to capture any of the tail detail that dark-sky observers have seen. But it is about 100 times brighter than the last time I recorded it from La Palma in July! Also captured was 95 Pandora. It is moving across the sky in the opposite direction to 3I.



I tried to record a third target - the ESCAPEDE satellites that were recently launched by Jeff Bezos's New Glenn rocket. By the time I got predictions AND some clear weather the two Martian probes, Blue and Gold, were well past the Moon and are just too faint for me to record



Half decent weather seems to be in short supply at the moment. Last night (2nd Nov) gave us an opportunity to look, albeit under moonlit skies.

Now **C/2025A6 Lemmon** has moved sufficiently far south that I can again see it from my observatory in the back garden. However it was very low down, about 15 degrees, looking over Ipswich, so I was not expecting much of a view. And I didn't get much of one in the gap between it being dark enough and it disappearing into the trees next door :-)

251102 C2025Lemmon NSE.jpg is all I got. It is pretty rubbish with the flats not working well. This will be my last view of it



All the focus has been on Comet Lemmon. But there is another visible in the evening sky - **Comet C/2025R2 SWAN**. It is fainter than Lemmon and last night was about 30 degrees from the Moon :-). Exposures were limited to 10 seconds as it was moving at 5.5 arcseconds a minute

251102 C2025R2 SWAN NSE.jpg is my effort. If there is a tail then I can't find it in this Moonlit view of it (I think it is at 10 o'clock)

All in all it was a lot of effort for not much.