

# Cielo del mese

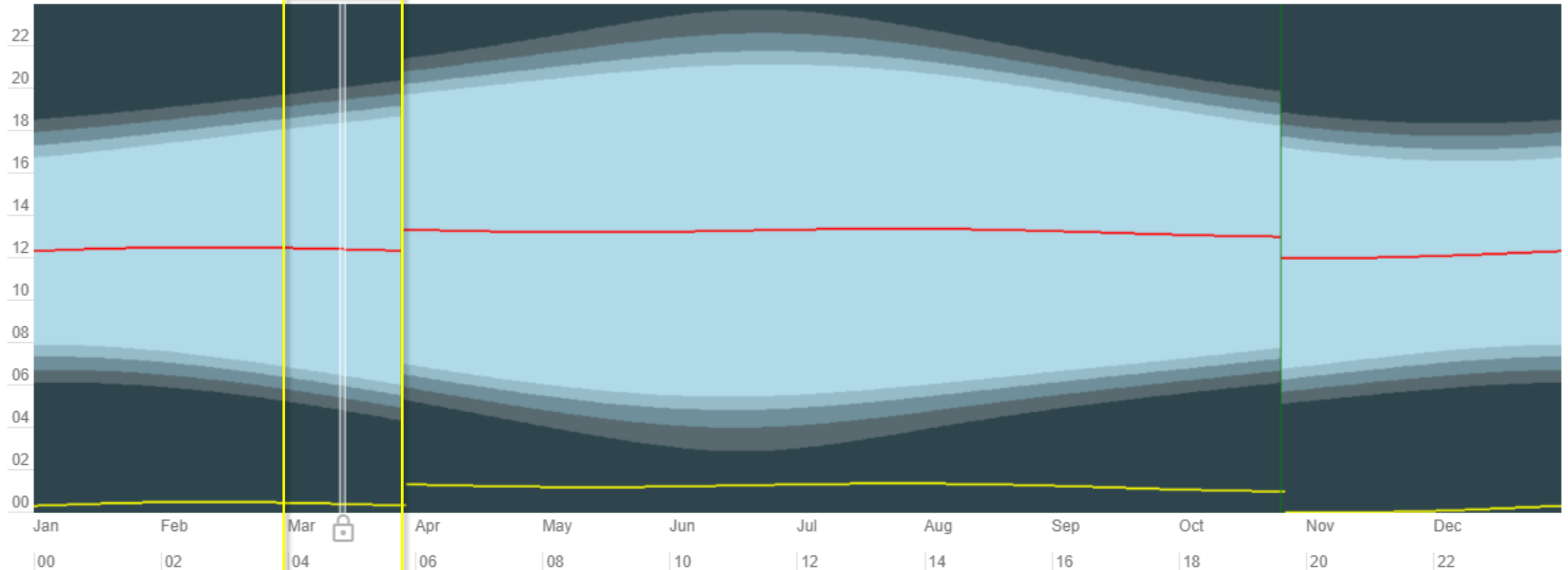
# MARZO 2025

# Durata della notte

## 2025 Sun Graph for Cremona

Rise/Set Times

Day/Night Length

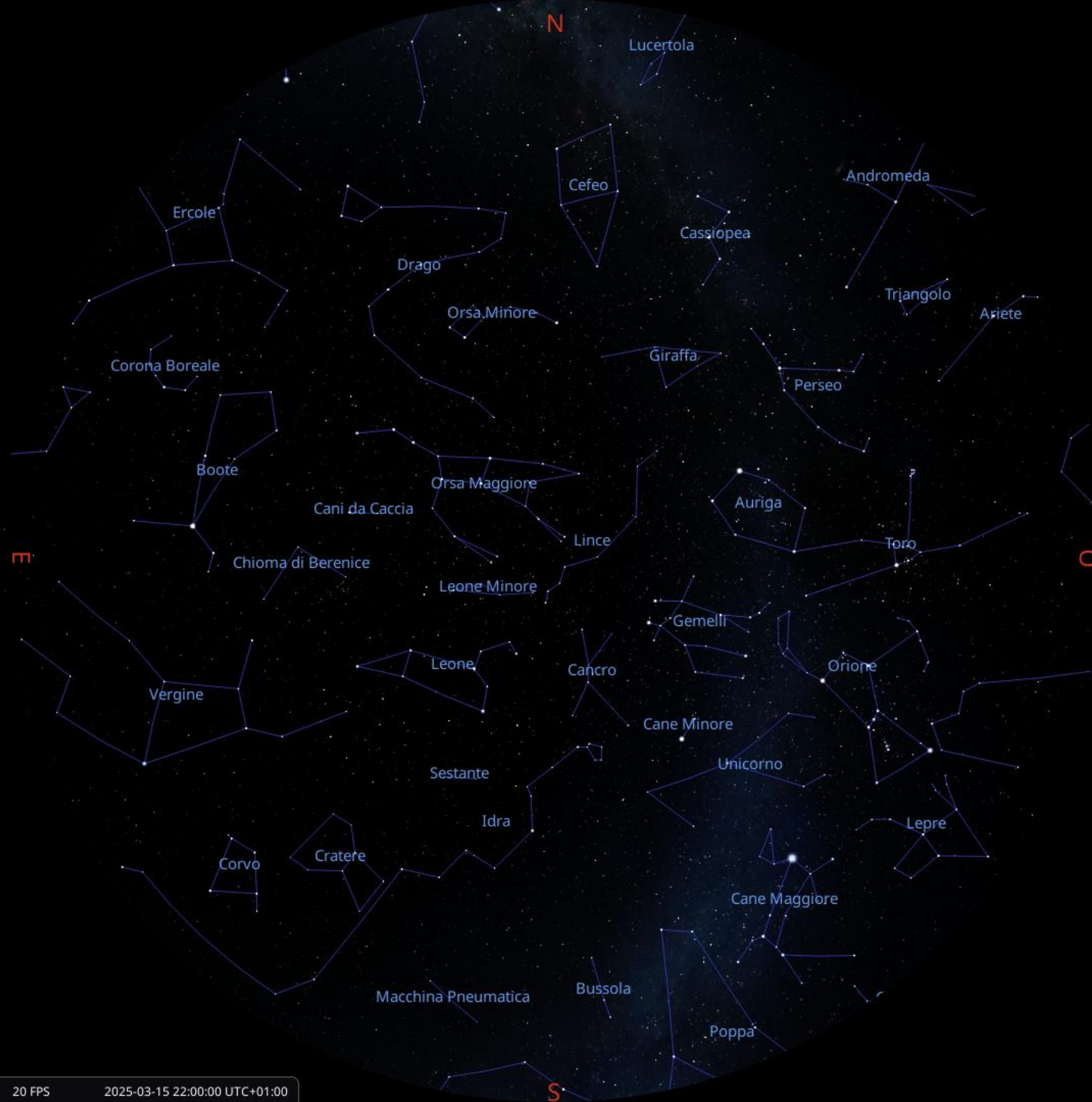


15  
mar

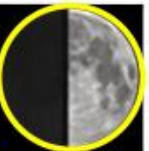
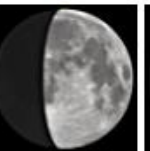
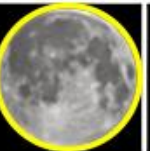
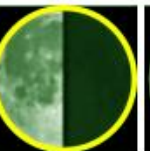
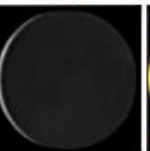
|                                                                  |                                                                                   |                                                                               |                                                                            |                                                      |                                                  |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------|
| <b>Night:</b><br>0.00 - 4.53<br>20.04 - 0.00<br><br>Total: 08:49 | <b>Astronomical Twilight:</b><br>4.53 - 5.28<br>19.29 - 20.04<br><br>Total: 01:10 | <b>Nautical Twilight:</b><br>5.28 - 6.02<br>18.55 - 19.29<br><br>Total: 01:08 | <b>Civil Twilight:</b><br>6.02 - 6.32<br>18.25 - 18.55<br><br>Total: 00:59 | <b>Daylight:</b><br>6.32 - 18.25<br><br>Total: 11:54 | <b>Solar Noon/Midnight:</b><br>— 12.28<br>— 0.28 |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------|

| 2025                                                                                                |   | Sunrise/Sunset |                | Daylength |       | Astronomical Twilight |       | Nautical Twilight |       | Civil Twilight |       | Solar Noon    |         |
|-----------------------------------------------------------------------------------------------------|---|----------------|----------------|-----------|-------|-----------------------|-------|-------------------|-------|----------------|-------|---------------|---------|
| mar                                                                                                 |   | Sunrise        | Sunset         | Length    | Diff. | Start                 | End   | Start             | End   | Start          | End   | Time          | Mil. km |
| 1                                                                                                   | ♥ | 6.57 → (100°)  | 18.07 ← (260°) | 11:09:35  | +3:06 | 5.20                  | 19.45 | 5.54              | 19.10 | 6.28           | 18.36 | 12.32 (37,5°) | 148,244 |
| 2                                                                                                   | ♥ | 6.55 → (99°)   | 18.08 ← (261°) | 11:12:42  | +3:07 | 5.18                  | 19.46 | 5.52              | 19.12 | 6.26           | 18.38 | 12.31 (37,9°) | 148,280 |
| 3                                                                                                   | ♥ | 6.54 → (99°)   | 18.10 ← (262°) | 11:15:50  | +3:07 | 5.16                  | 19.47 | 5.50              | 19.13 | 6.24           | 18.39 | 12.31 (38,3°) | 148,316 |
| 4                                                                                                   | ♥ | 6.52 → (98°)   | 18.11 ← (262°) | 11:18:58  | +3:08 | 5.14                  | 19.49 | 5.49              | 19.14 | 6.22           | 18.40 | 12.31 (38,6°) | 148,353 |
| 5                                                                                                   | ♥ | 6.50 → (98°)   | 18.12 ← (263°) | 11:22:07  | +3:08 | 5.13                  | 19.50 | 5.47              | 19.16 | 6.21           | 18.42 | 12.31 (39,0°) | 148,390 |
| 6                                                                                                   | ♥ | 6.48 → (97°)   | 18.14 ← (263°) | 11:25:15  | +3:08 | 5.11                  | 19.51 | 5.45              | 19.17 | 6.19           | 18.43 | 12.31 (39,4°) | 148,427 |
| 7                                                                                                   | ♥ | 6.46 → (96°)   | 18.15 ← (264°) | 11:28:25  | +3:09 | 5.09                  | 19.53 | 5.43              | 19.18 | 6.17           | 18.44 | 12.30 (39,8°) | 148,464 |
| 8                                                                                                   | ♥ | 6.45 → (96°)   | 18.16 ← (264°) | 11:31:34  | +3:09 | 5.07                  | 19.54 | 5.41              | 19.20 | 6.15           | 18.46 | 12.30 (40,2°) | 148,502 |
| 9                                                                                                   | ♥ | 6.43 → (95°)   | 18.18 ← (265°) | 11:34:43  | +3:09 | 5.05                  | 19.56 | 5.40              | 19.21 | 6.14           | 18.47 | 12.30 (40,6°) | 148,540 |
| 10                                                                                                  | ♥ | 6.41 → (95°)   | 18.19 ← (265°) | 11:37:53  | +3:09 | 5.03                  | 19.57 | 5.38              | 19.22 | 6.12           | 18.48 | 12.30 (41,0°) | 148,578 |
| 11                                                                                                  | ♥ | 6.39 → (94°)   | 18.20 ← (266°) | 11:41:03  | +3:09 | 5.01                  | 19.58 | 5.36              | 19.24 | 6.10           | 18.50 | 12.29 (41,4°) | 148,617 |
| 12                                                                                                  | ♥ | 6.37 → (94°)   | 18.22 ← (267°) | 11:44:13  | +3:09 | 4.59                  | 20.00 | 5.34              | 19.25 | 6.08           | 18.51 | 12.29 (41,8°) | 148,657 |
| 13                                                                                                  | ♥ | 6.35 → (93°)   | 18.23 ← (267°) | 11:47:23  | +3:10 | 4.57                  | 20.01 | 5.32              | 19.26 | 6.06           | 18.52 | 12.29 (42,2°) | 148,697 |
| 14                                                                                                  | ♥ | 6.34 → (93°)   | 18.24 ← (268°) | 11:50:33  | +3:10 | 4.55                  | 20.03 | 5.30              | 19.28 | 6.04           | 18.53 | 12.28 (42,5°) | 148,737 |
| 15                                                                                                  | ♥ | 6.32 → (92°)   | 18.25 ← (268°) | 11:53:43  | +3:10 | 4.53                  | 20.04 | 5.28              | 19.29 | 6.02           | 18.55 | 12.28 (42,9°) | 148,778 |
| 16                                                                                                  | ♥ | 6.30 → (91°)   | 18.27 ← (269°) | 11:56:54  | +3:10 | 4.51                  | 20.05 | 5.26              | 19.30 | 6.01           | 18.56 | 12.28 (43,3°) | 148,819 |
| 17                                                                                                  | ♥ | 6.28 → (91°)   | 18.28 ← (269°) | 12:00:04  | +3:10 | 4.49                  | 20.07 | 5.24              | 19.32 | 5.59           | 18.57 | 12.28 (43,7°) | 148,861 |
| 18                                                                                                  | ♥ | 6.26 → (90°)   | 18.29 ← (270°) | 12:03:15  | +3:10 | 4.47                  | 20.08 | 5.23              | 19.33 | 5.57           | 18.59 | 12.27 (44,1°) | 148,902 |
| 19                                                                                                  | ♥ | 6.24 → (90°)   | 18.31 ← (270°) | 12:06:25  | +3:10 | 4.45                  | 20.10 | 5.21              | 19.35 | 5.55           | 19.00 | 12.27 (44,5°) | 148,945 |
| 20                                                                                                  | ♥ | 6.22 → (89°)   | 18.32 ← (271°) | 12:09:36  | +3:10 | 4.43                  | 20.11 | 5.19              | 19.36 | 5.53           | 19.01 | 12.27 (44,9°) | 148,987 |
| 21                                                                                                  | ♥ | 6.20 → (89°)   | 18.33 ← (272°) | 12:12:46  | +3:10 | 4.41                  | 20.13 | 5.17              | 19.37 | 5.51           | 19.03 | 12.26 (45,3°) | 149,030 |
| 22                                                                                                  | ♥ | 6.19 → (88°)   | 18.35 ← (272°) | 12:15:56  | +3:10 | 4.39                  | 20.14 | 5.15              | 19.39 | 5.49           | 19.04 | 12.26 (45,7°) | 149,073 |
| 23                                                                                                  | ♥ | 6.17 → (88°)   | 18.36 ← (273°) | 12:19:07  | +3:10 | 4.37                  | 20.16 | 5.13              | 19.40 | 5.47           | 19.05 | 12.26 (46,1°) | 149,116 |
| 24                                                                                                  | ♥ | 6.15 → (87°)   | 18.37 ← (273°) | 12:22:17  | +3:10 | 4.35                  | 20.17 | 5.11              | 19.41 | 5.45           | 19.07 | 12.26 (46,5°) | 149,159 |
| 25                                                                                                  | ♥ | 6.13 → (86°)   | 18.38 ← (274°) | 12:25:27  | +3:10 | 4.33                  | 20.19 | 5.09              | 19.43 | 5.44           | 19.08 | 12.25 (46,9°) | 149,202 |
| 26                                                                                                  | ♥ | 6.11 → (86°)   | 18.40 ← (274°) | 12:28:37  | +3:09 | 4.31                  | 20.20 | 5.07              | 19.44 | 5.42           | 19.09 | 12.25 (47,3°) | 149,246 |
| 27                                                                                                  | ♥ | 6.09 → (85°)   | 18.41 ← (275°) | 12:31:47  | +3:09 | 4.29                  | 20.22 | 5.05              | 19.46 | 5.40           | 19.11 | 12.25 (47,7°) | 149,289 |
| 28                                                                                                  | ♥ | 6.07 → (85°)   | 18.42 ← (276°) | 12:34:56  | +3:09 | 4.26                  | 20.23 | 5.03              | 19.47 | 5.38           | 19.12 | 12.24 (48,1°) | 149,332 |
| 29                                                                                                  | ♥ | 6.05 → (84°)   | 18.44 ← (276°) | 12:38:06  | +3:09 | 4.24                  | 20.25 | 5.01              | 19.48 | 5.36           | 19.13 | 12.24 (48,5°) | 149,375 |
| Note: hours shift because clocks change forward 1 hour. (See the note below this table for details) |   |                |                |           |       |                       |       |                   |       |                |       |               |         |
| 30                                                                                                  | ♥ | 7.04 → (84°)   | 19.45 ← (277°) | 12:41:15  | +3:09 | 5.22                  | 21.27 | 5.59              | 20.50 | 6.34           | 20.15 | 13.24 (48,8°) | 149,417 |
| 31                                                                                                  | ♥ | 7.02 → (83°)   | 19.46 ← (277°) | 12:44:24  | +3:08 | 5.20                  | 21.28 | 5.57              | 20.51 | 6.32           | 20.16 | 13.23 (49,2°) | 149,460 |

# Il cielo di Marzo



# Fasi lunari

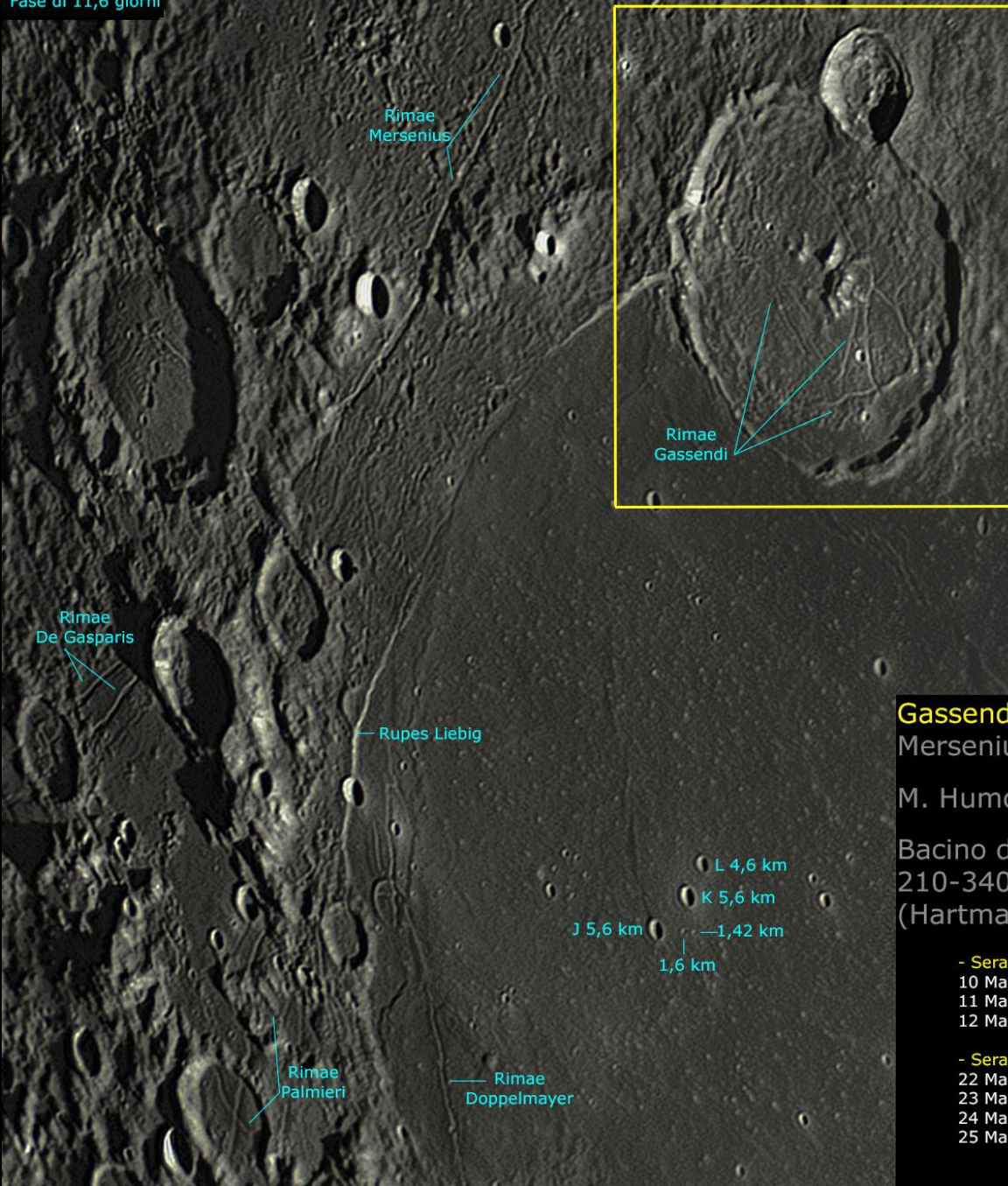
| Marzo 2025 |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Settimana  | Lu                                                                                  | Ma                                                                                   | Me                                                                                    | Gi                                                                                    | Ve                                                                                    | Sa                                                                                    | Do                                                                                    |
| 9          |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       | 1                                                                                     | 2                                                                                     |
|            |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |    |    |
|            |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       | 1% visibile                                                                           | 5% visibile                                                                           |
| 10         | 3                                                                                   | 4                                                                                    | 5                                                                                     | 6                                                                                     | 7                                                                                     | 8                                                                                     | 9                                                                                     |
|            |    |    |    |    |    |    |    |
|            | 12% visibile                                                                        | 21% visibile                                                                         | 31% visibile                                                                          | Primo quarto                                                                          | 53% visibile                                                                          | 64% visibile                                                                          | 74% visibile                                                                          |
| 11         | 10                                                                                  | 11                                                                                   | 12                                                                                    | 13                                                                                    | 14                                                                                    | 15                                                                                    | 16                                                                                    |
|            |    |    |    |    |    |    |    |
|            | 83% visibile                                                                        | 90% visibile                                                                         | 95% visibile                                                                          | 98% visibile                                                                          | Luna piena                                                                            | 99% visibile                                                                          | 97% visibile                                                                          |
| 12         | 17                                                                                  | 18                                                                                   | 19                                                                                    | 20                                                                                    | 21                                                                                    | 22                                                                                    | 23                                                                                    |
|            |    |    |    |    |    |    |    |
|            | 93% visibile                                                                        | 88% visibile                                                                         | 81% visibile                                                                          | 73% visibile                                                                          | 64% visibile                                                                          | Ultimo quarto                                                                         | 45% visibile                                                                          |
| 13         | 24                                                                                  | 25                                                                                   | 26                                                                                    | 27                                                                                    | 28                                                                                    | 29                                                                                    | 30                                                                                    |
|            |  |  |  |  |  |  |  |
|            | 35% visibile                                                                        | 25% visibile                                                                         | 16% visibile                                                                          | 9% visibile                                                                           | 3% visibile                                                                           | Luna nuova                                                                            | 1% visibile                                                                           |
| 14         | 31                                                                                  |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|            |  |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|            | 4% visibile                                                                         |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |



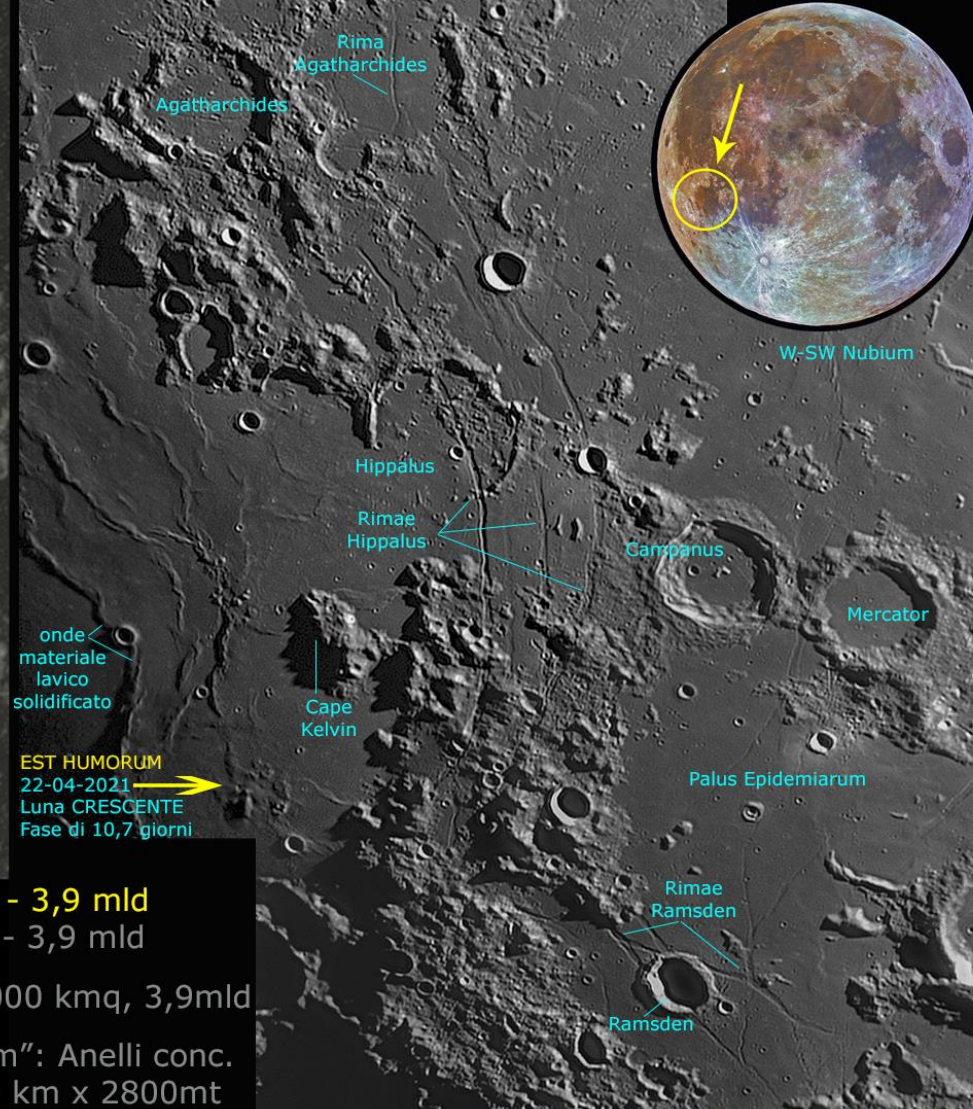
Serate indicate per l'osservazione  
dei crateri Gassendi, Mercurius e  
mare Humorum.

W-NW HUMORUM  
26-09-2023  
Luna CRESCENTE  
Fase di 11,6 giorni

# La formazione lunare del mese



Rimae  
Herigonius



EST HUMORUM  
22-04-2021  
Luna CRESCENTE  
Fase di 10,7 giorni

Gassendi: 111 km, 4300 mt - 3,9 mld

Mersenius: 85 km, 4000 mt - 3,9 mld

M. Humorum: 380 km, 113000 kmq, 3,9mld

Bacino da impatto "Humorum": Anelli conc.  
210-340-425-570-800-1195 km x 2800mt  
(Hartmann & Kuiper, 1962).

- Serate consigliate per l'osservazione in Luna CRESCENTE:  
10 Marzo 2025, culmina 22:05 a +65° - Fase 10,8 giorni  
11 Marzo 2025, culmina 22:52 a +60° - Fase 11,8 giorni  
12 Marzo 2025, culmina 23:36 a +54° - Fase 12,9 giorni

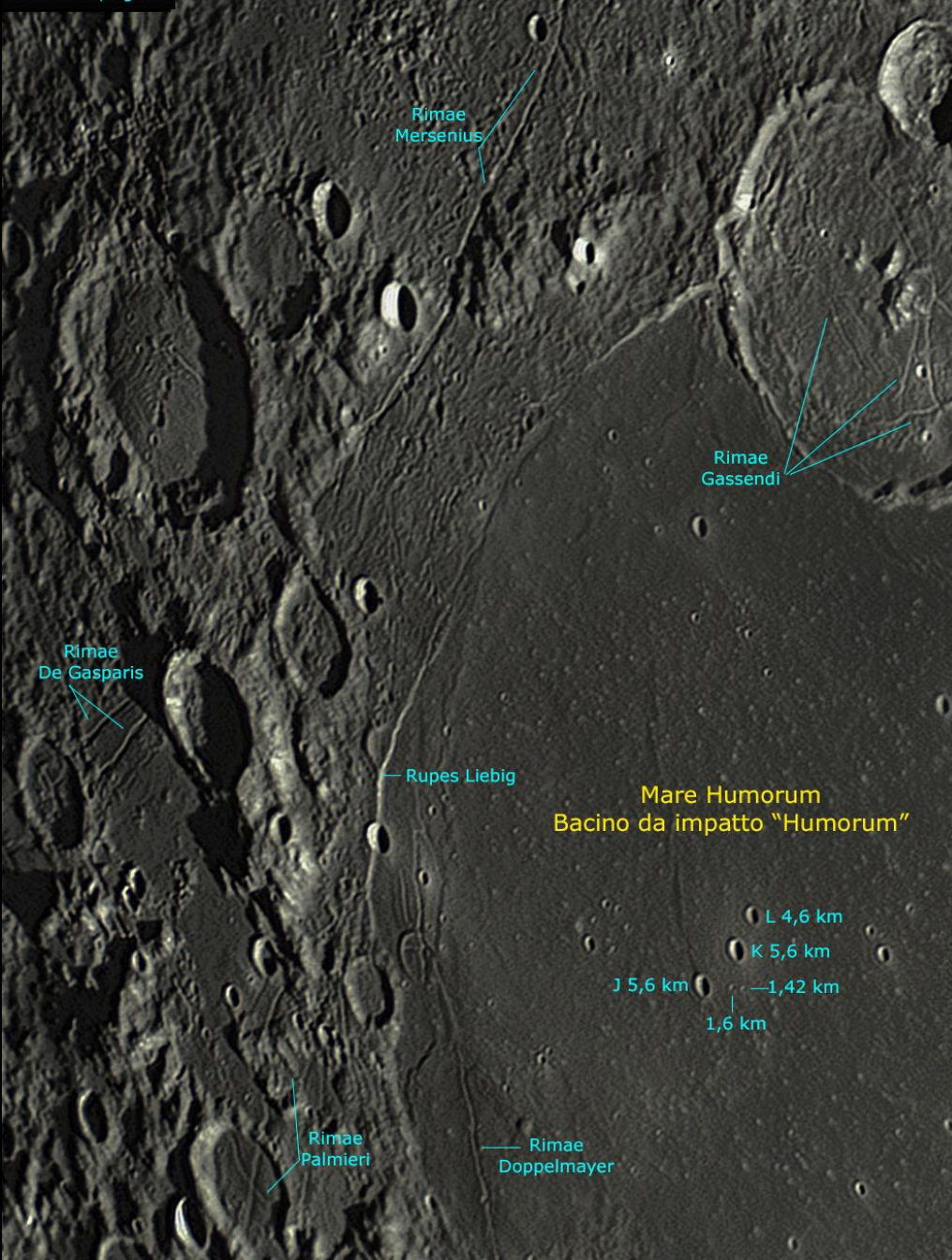
- Serate consigliate per l'osservazione in Luna CALANTE:  
22 Marzo 2025, sorge 02:26 - Fase 22 giorni  
23 Marzo 2025, sorge 03:17 - Fase 23 giorni  
24 Marzo 2025, sorge 03:59 - Fase 24 giorni  
25 Marzo 2025, sorge 04:32 - Fase 25 giorni

mare  
Humorum



W-NW HUMORUM  
26-09-2023  
Luna CRESCENTE  
Fase di 11,6 giorni

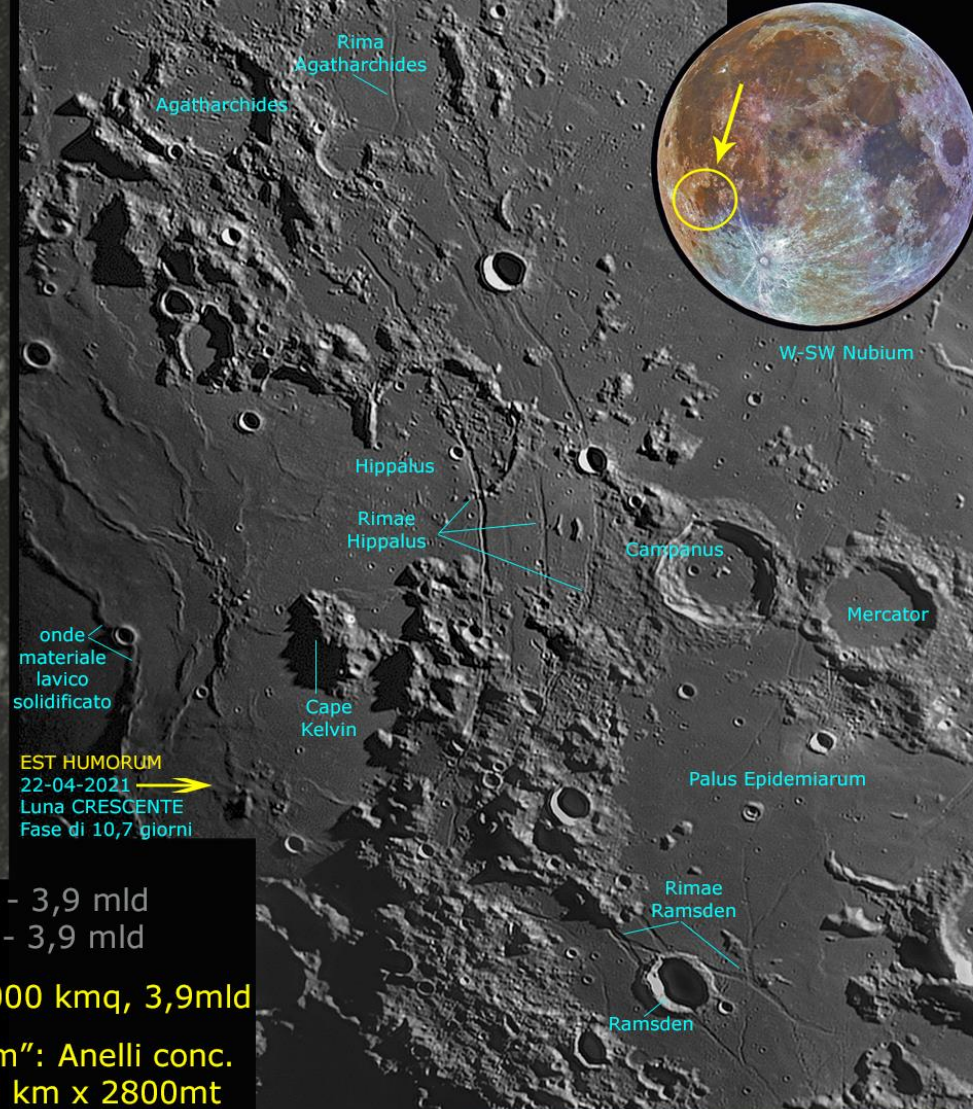
# La formazione lunare del mese



Mare Humorum  
Bacino da impatto "Humorum"

L 4,6 km  
K 5,6 km  
J 5,6 km  
—1,42 km  
1,6 km

Rimae  
Herigonius



EST HUMORUM  
22-04-2021  
Luna CRESCENTE  
Fase di 10,7 giorni

Gassendi: 111 km, 4300 mt - 3,9 mld  
Mersenius: 85 km, 4000 mt - 3,9 mld

M. Humorum: 380 km, 113000 kmq, 3,9mld

Bacino da impatto "Humorum": Anelli conc.  
210-340-425-570-800-1195 km x 2800mt  
(Hartmann & Kuiper, 1962).

- Serate consigliate per l'osservazione in Luna CRESCENTE:  
10 Marzo 2025, culmina 22:05 a +65° - Fase 10,8 giorni  
11 Marzo 2025, culmina 22:52 a +60° - Fase 11,8 giorni  
12 Marzo 2025, culmina 23:36 a +54° - Fase 12,9 giorni

- Serate consigliate per l'osservazione in Luna CALANTE:  
22 Marzo 2025, sorge 02:26 - Fase 22 giorni  
23 Marzo 2025, sorge 03:17 - Fase 23 giorni  
24 Marzo 2025, sorge 03:59 - Fase 24 giorni  
25 Marzo 2025, sorge 04:32 - Fase 25 giorni

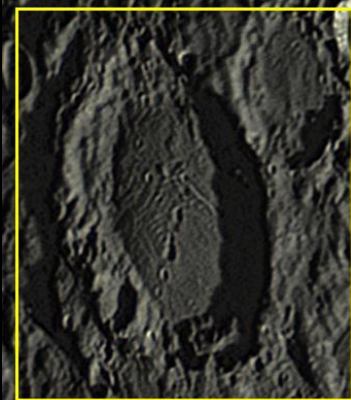
mare  
Humorum



Mappa storica  
di "Divini" 1649

W-NW HUMORUM  
26-09-2023  
Luna CRESCENTE  
Fase di 11,6 giorni

# La formazione lunare del mese



Rimae  
Mersenius

Rimae  
Herigonius

Rimae  
Gassendi

Rimae  
De Gasparis

Rupes  
Liebig

L 4,6 km

K 5,6 km

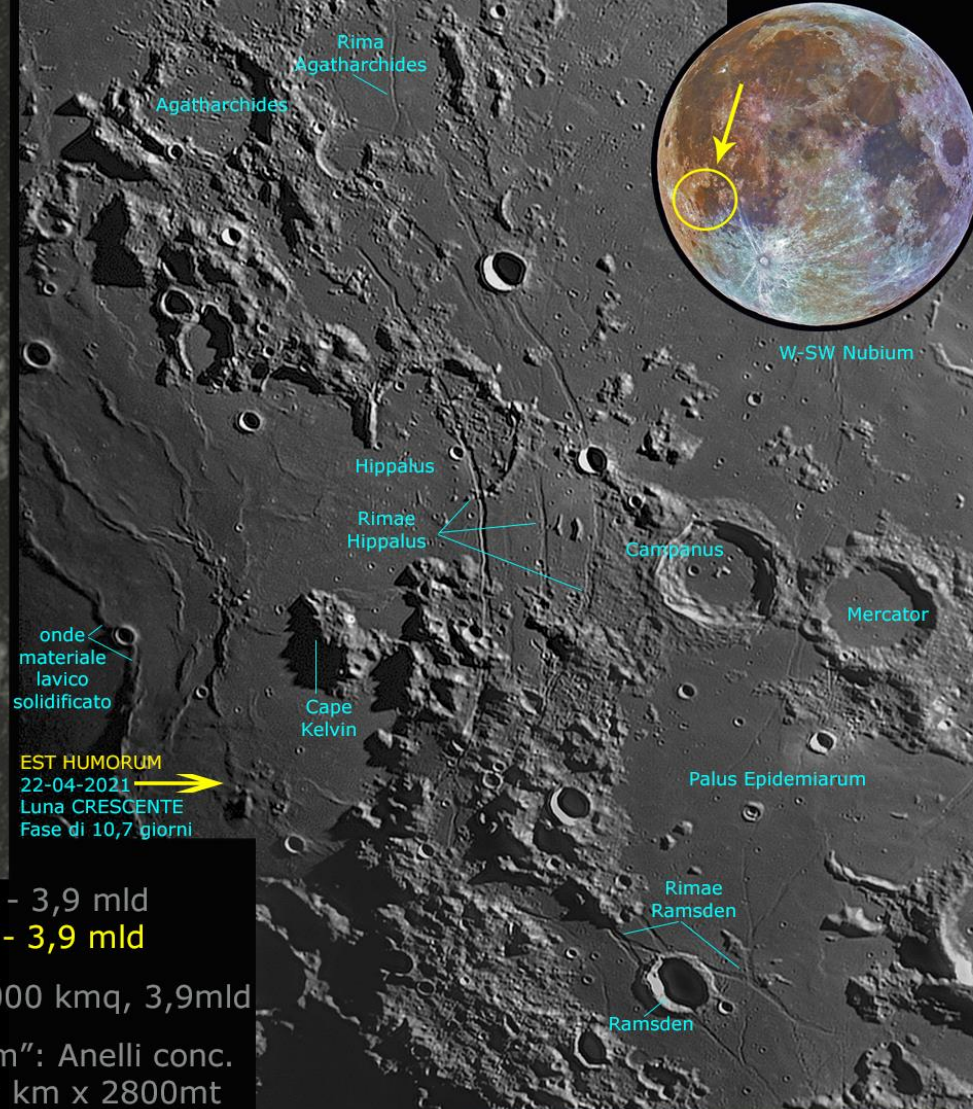
J 5,6 km

—1,42 km

1,6 km

Rimae  
Palmieri

Rimae  
Doppelmayr



W-SW Nubium

EST HUMORUM  
22-04-2021  
Luna CRESCENTE  
Fase di 10,7 giorni

Gassendi: 111 km, 4300 mt - 3,9 mld  
Mersenius: 85 km, 4000 mt - 3,9 mld

M. Humorum: 380 km, 113000 kmq, 3,9mld

Bacino da impatto "Humorum": Anelli conc.  
210-340-425-570-800-1195 km x 2800mt  
(Hartmann & Kuiper, 1962).

- Serate consigliate per l'osservazione in Luna CRESCENTE:  
10 Marzo 2025, culmina 22:05 a +65° - Fase 10,8 giorni  
11 Marzo 2025, culmina 22:52 a +60° - Fase 11,8 giorni  
12 Marzo 2025, culmina 23:36 a +54° - Fase 12,9 giorni

- Serate consigliate per l'osservazione in Luna CALANTE:  
22 Marzo 2025, sorge 02:26 - Fase 22 giorni  
23 Marzo 2025, sorge 03:17 - Fase 23 giorni  
24 Marzo 2025, sorge 03:59 - Fase 24 giorni  
25 Marzo 2025, sorge 04:32 - Fase 25 giorni

mare  
Humorum



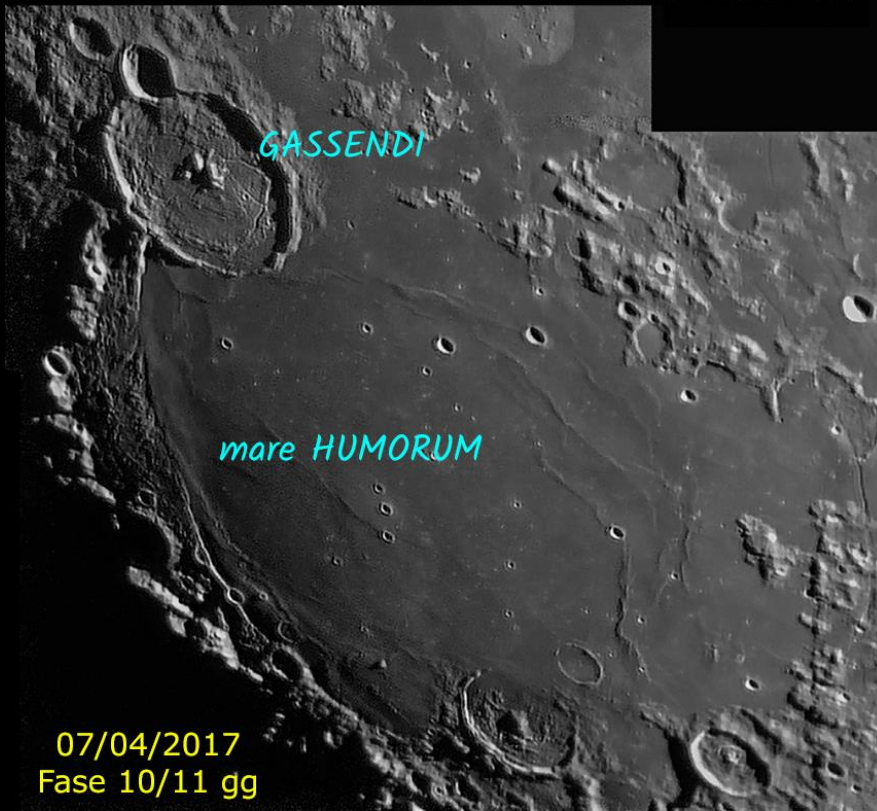
Mappa storica  
di "Divini" 1649



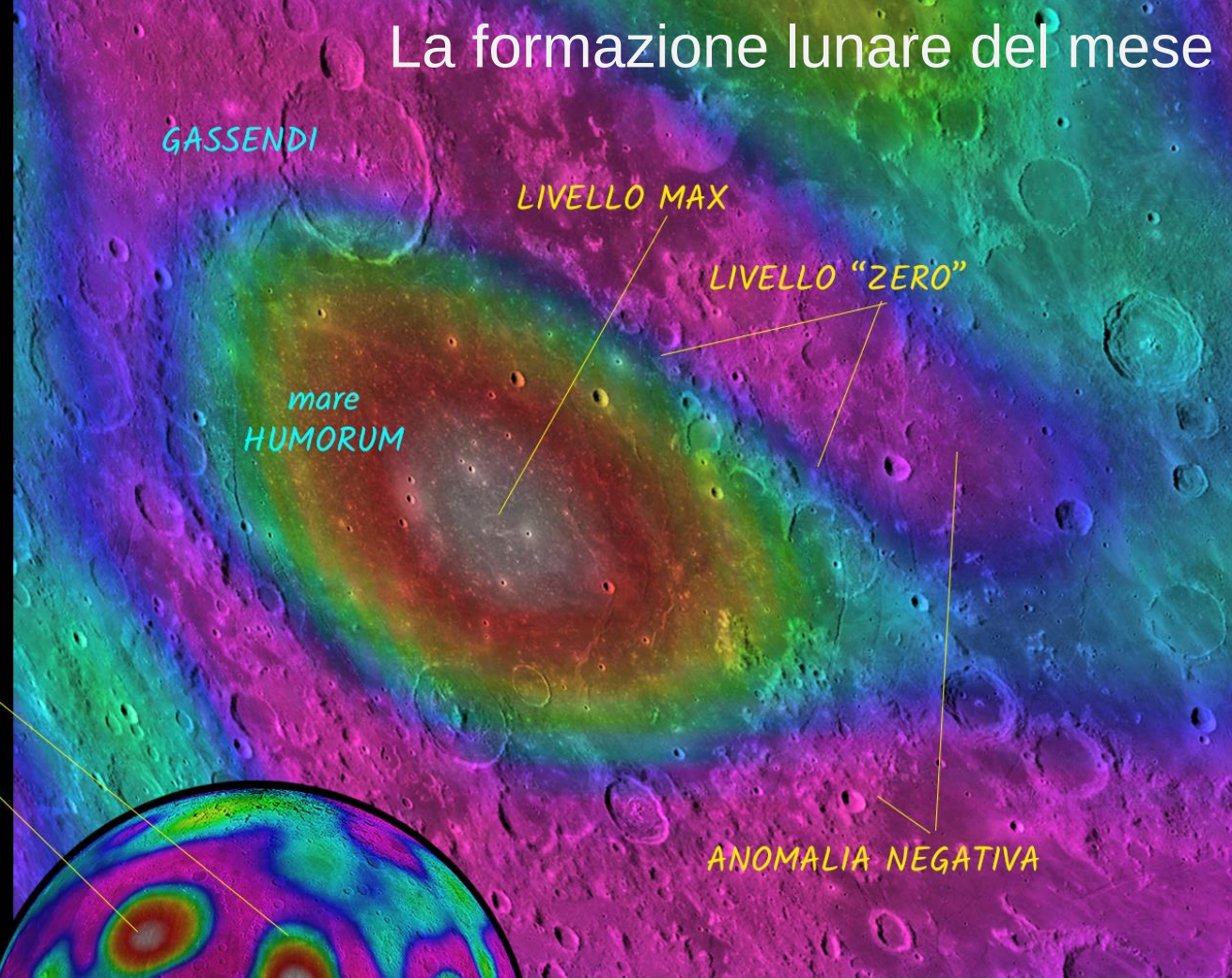
Luna Piena

# Mare Humorum & Mascons

(Mass Concentration)

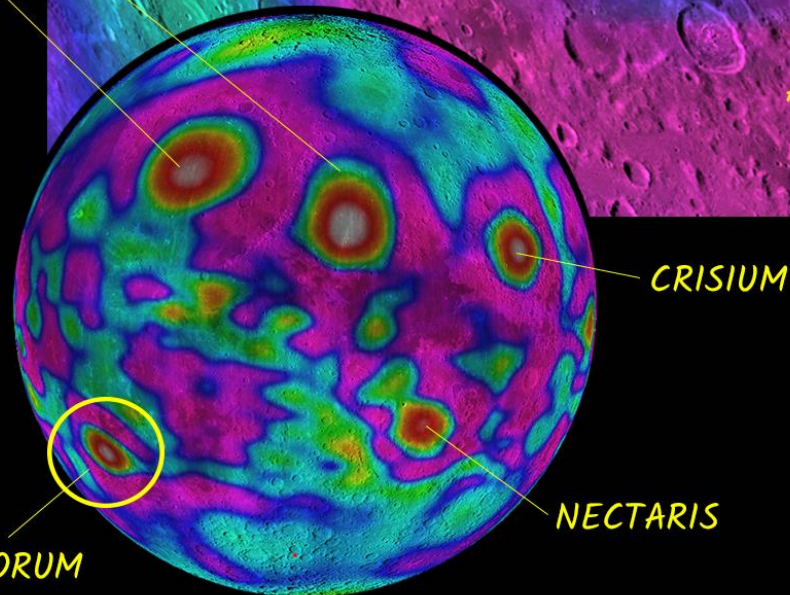
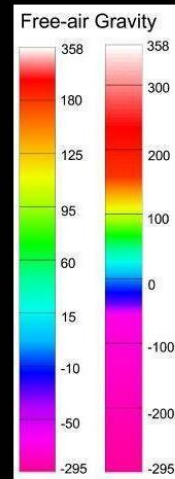


07/04/2017  
Fase 10/11 gg



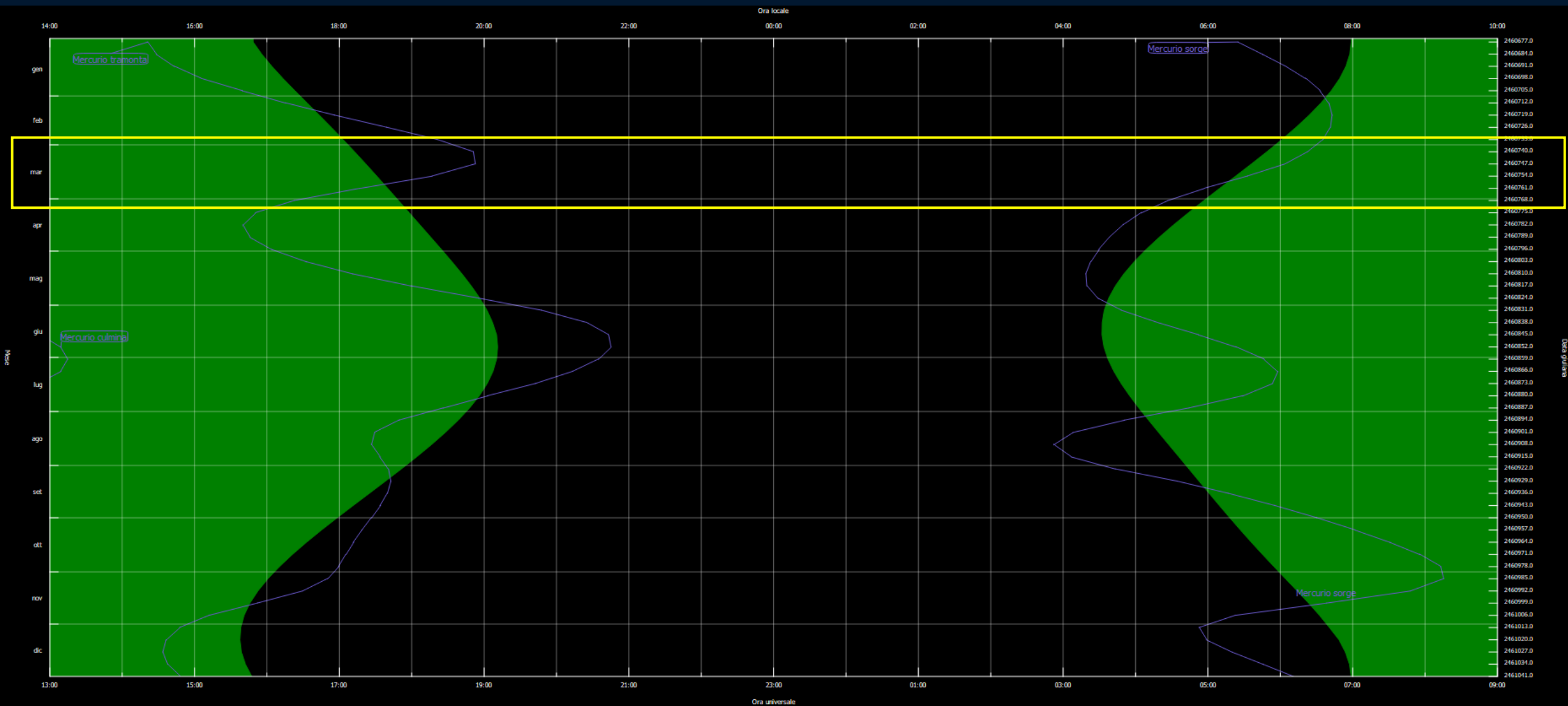
*SERENITATIS*

*IMBRIUM*



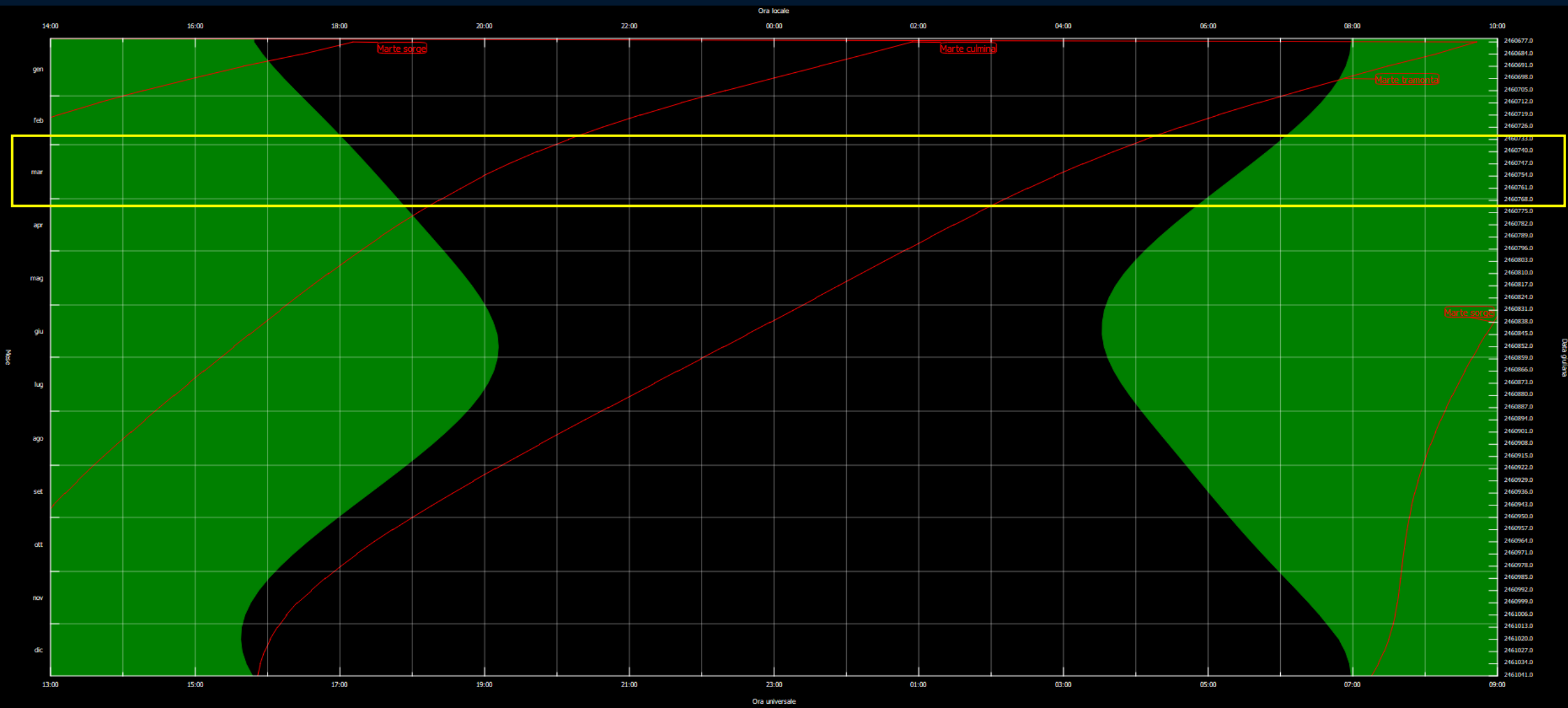
Trasposizione grafica  
dati gravimetrici  
delle sonde  
"Clementine" e  
"Lunar Prospector"

# Visibilità pianeti - MERCURIO

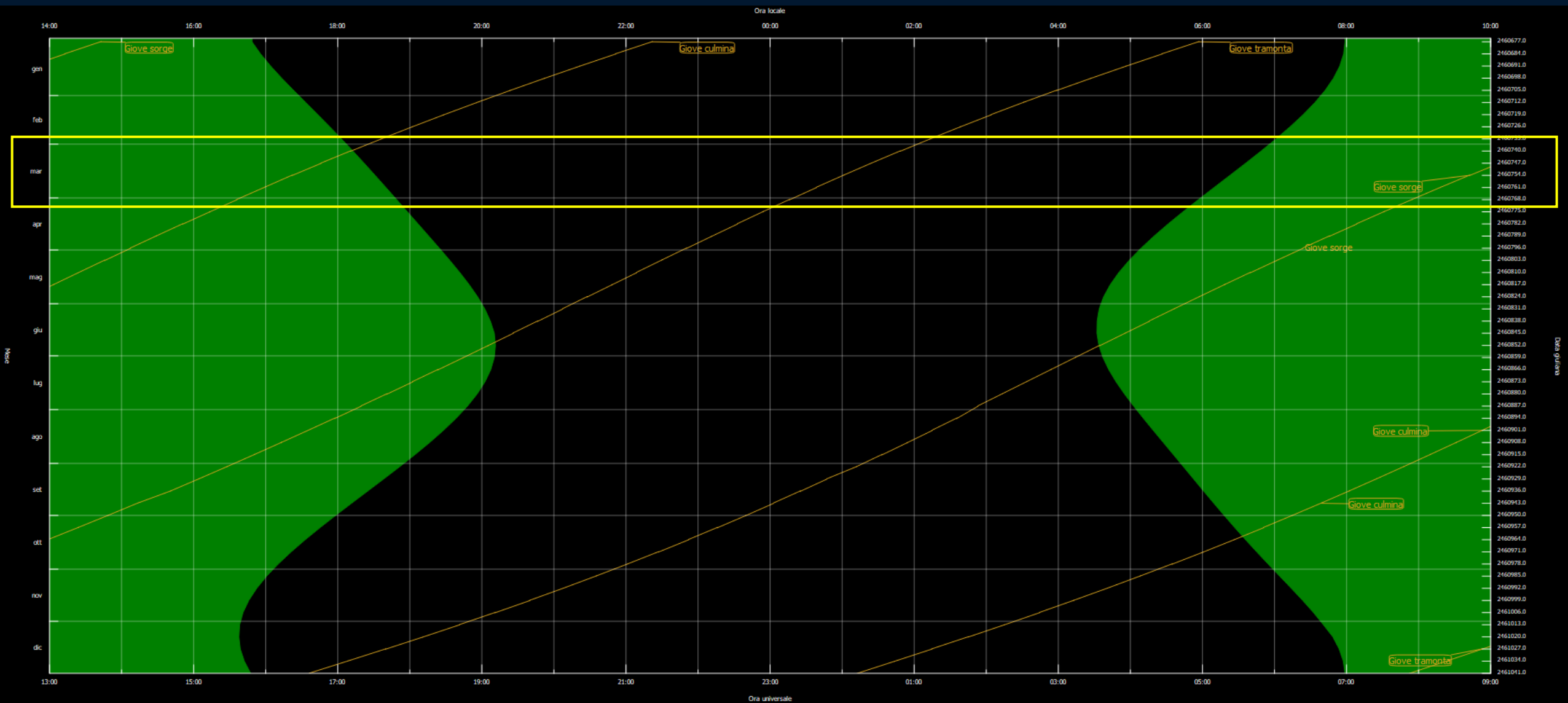




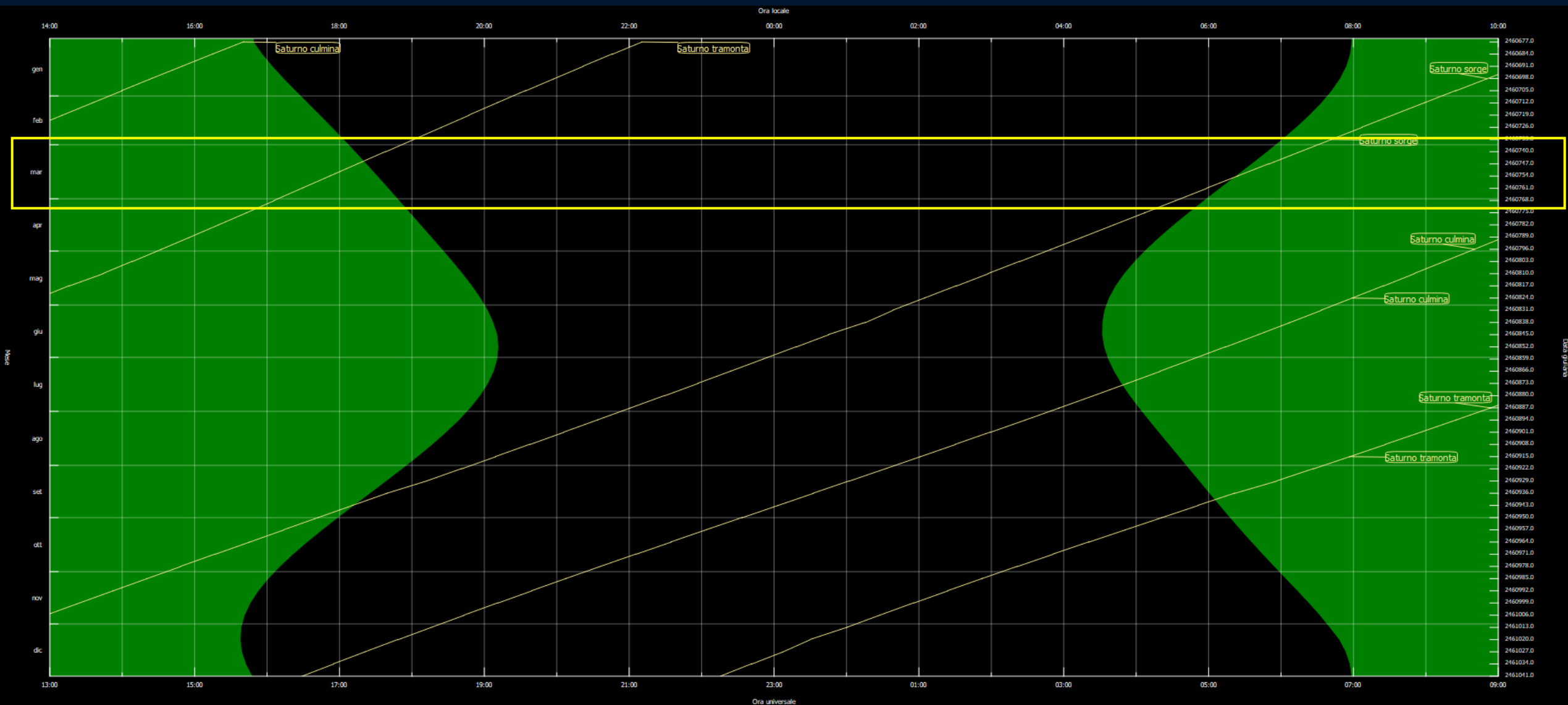
# Visibilità pianeti - MARTE



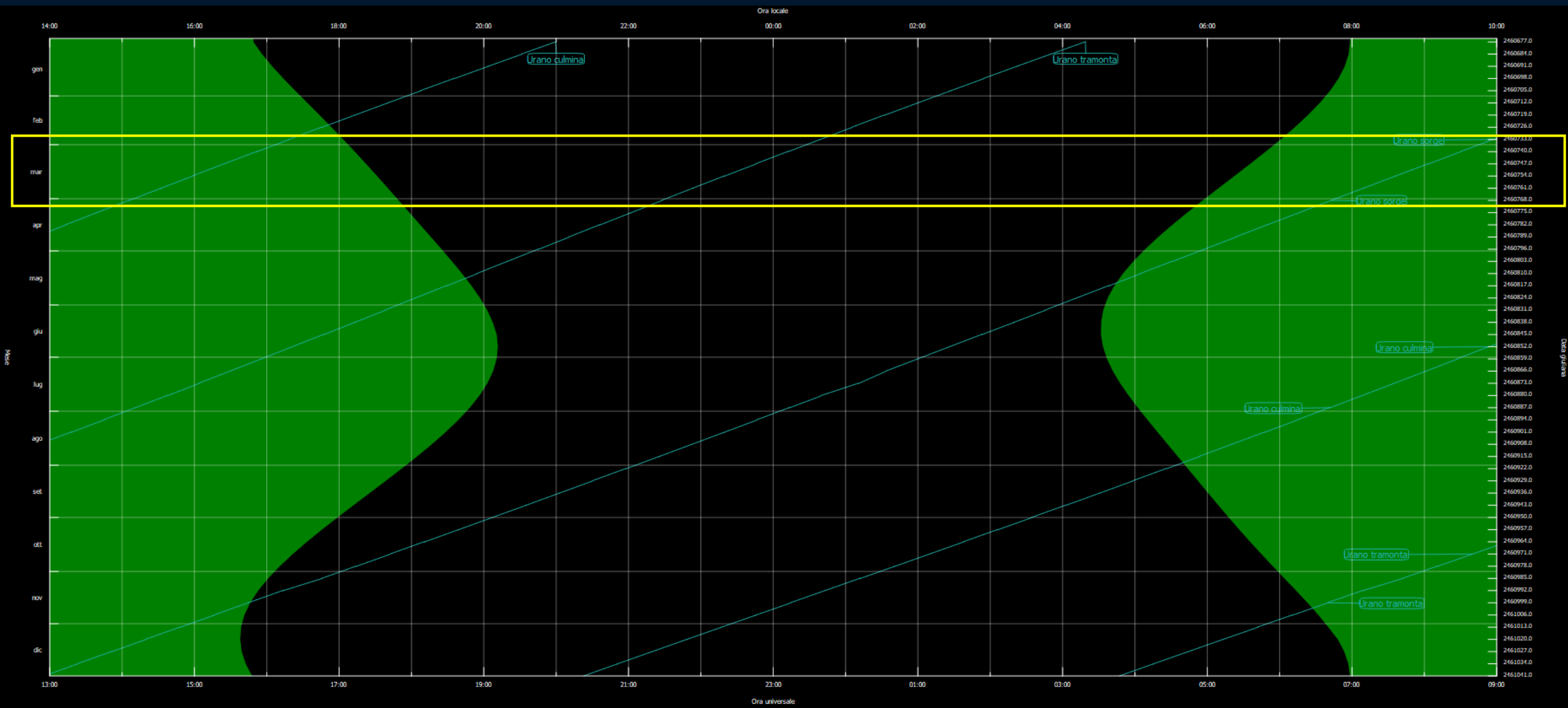
# Visibilità pianeti - GIOVE



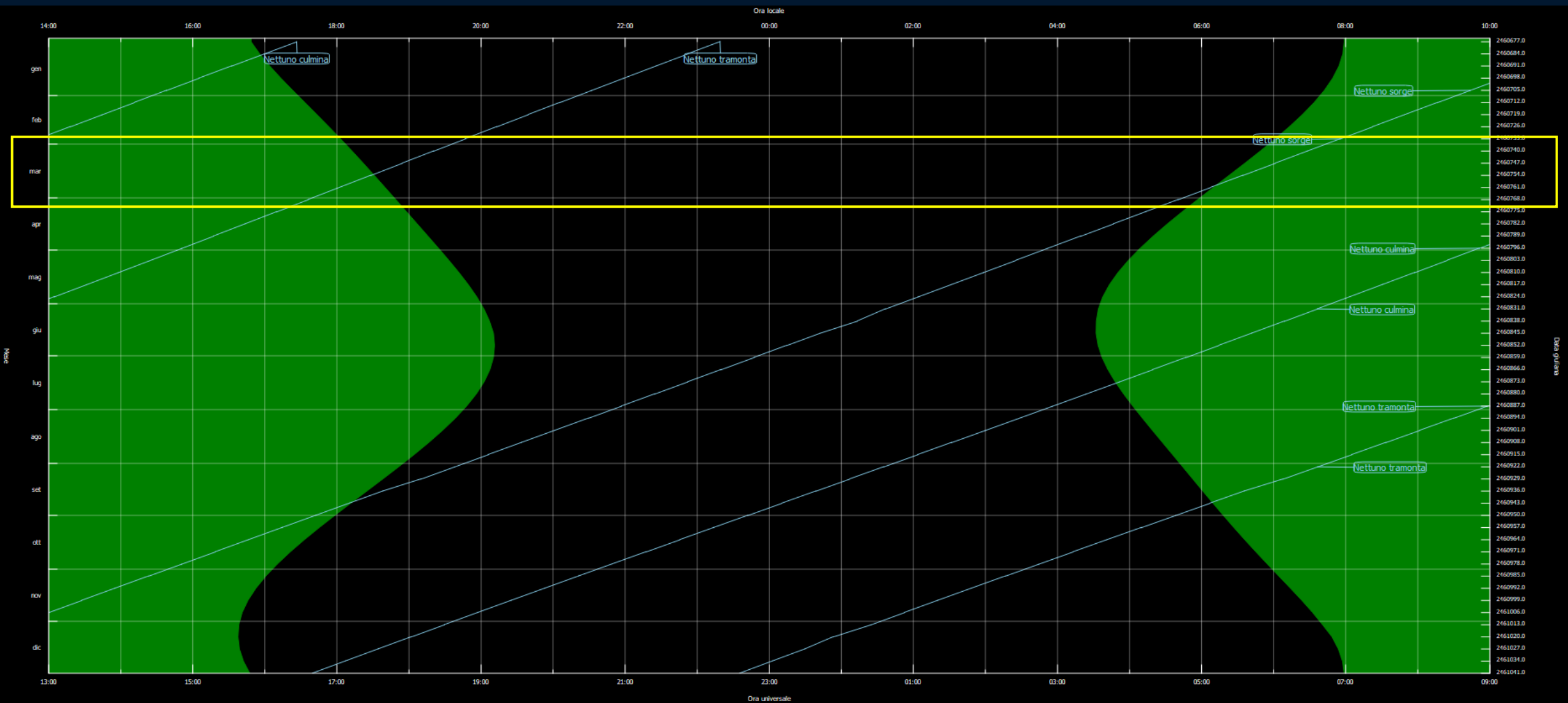
# Visibilità pianeti - SATURNO

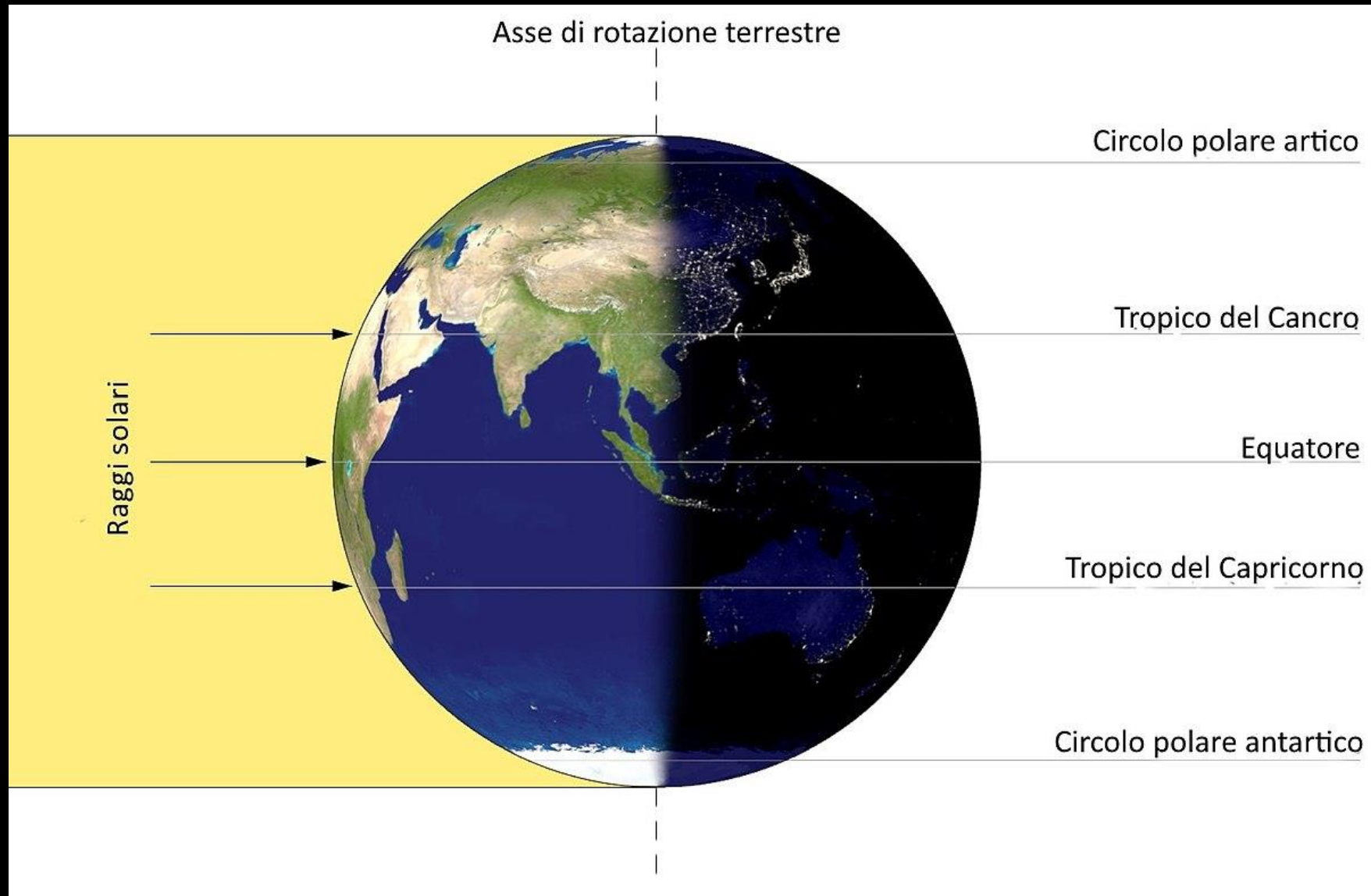


# Visibilità pianeti - URANO



# Visibilità pianeti - NETTUNO





# 9 marzo 2025 – Congiunzione Venere - Mercurio



Balena

Pesci

Venere

Mercurio

| Data e ora |   |   |   |   |  | Giorno giuliano |   |        |
|------------|---|---|---|---|--|-----------------|---|--------|
| 2025       | - | 3 | - | 9 |  | 18              | : | 45 : 0 |

# 29 marzo 2025 – Eclissi parziale di Sole

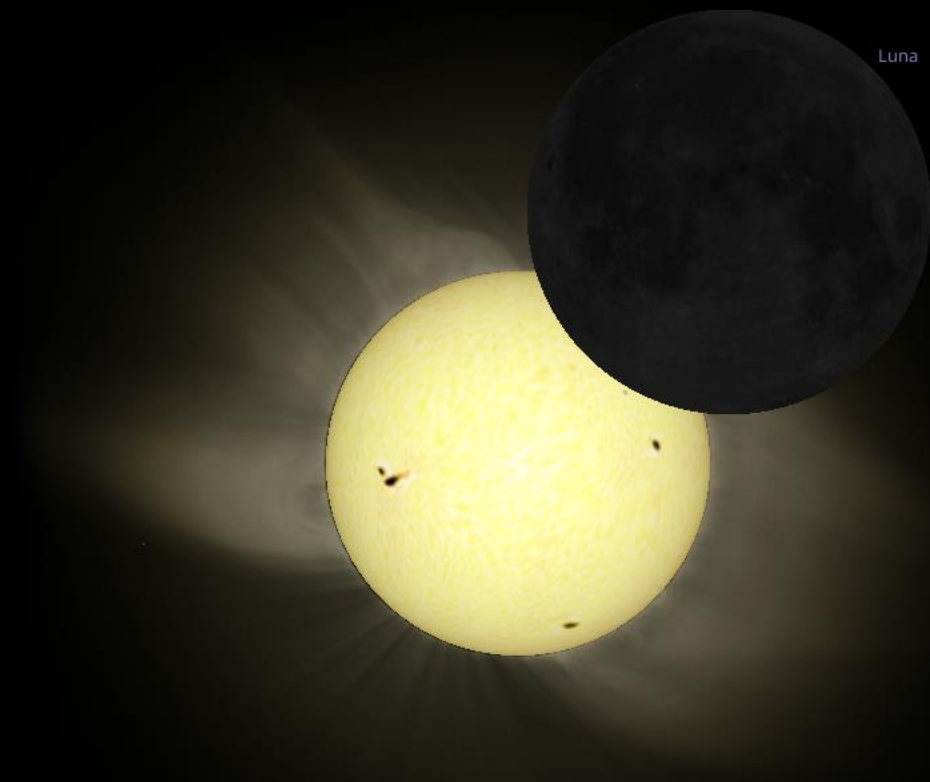


Data e ora

Giorno giuliano

|      |   |   |   |    |    |   |    |   |   |
|------|---|---|---|----|----|---|----|---|---|
| 2025 | - | 3 | - | 29 | 11 | : | 24 | : | 0 |
|------|---|---|---|----|----|---|----|---|---|

# 29 marzo 2025 – Eclissi parziale di Sole



Data e ora

Giorno giuliano

|      |   |   |   |    |    |   |   |   |   |
|------|---|---|---|----|----|---|---|---|---|
| 2025 | - | 3 | - | 29 | 12 | : | 6 | : | 0 |
|------|---|---|---|----|----|---|---|---|---|

# 29 marzo 2025 – Eclissi parziale di Sole

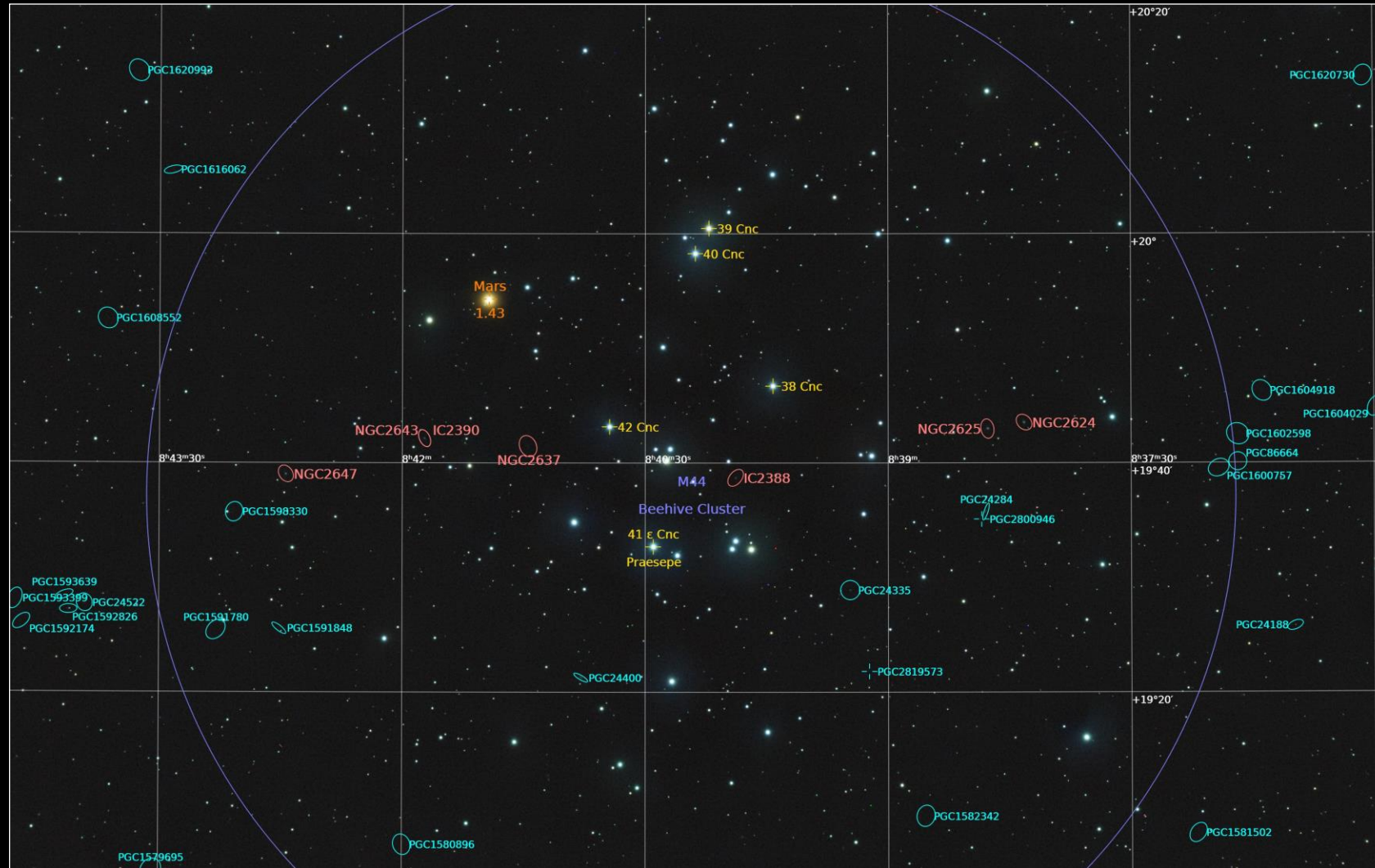


| Data e ora |   |   |   |    |    |   |    |   |   | Giorno giuliano |  |  |
|------------|---|---|---|----|----|---|----|---|---|-----------------|--|--|
| Data e ora |   |   |   |    |    |   |    |   |   |                 |  |  |
| 2025       | - | 3 | - | 29 | 12 | : | 47 | : | 0 |                 |  |  |

# Costellazioni del mese CANCRO e ORSA MAGGIORE (1° parte)



# M 44 – Ammasso Alveare o Presepe



# M 81 e M 82



# M 81 e M 82



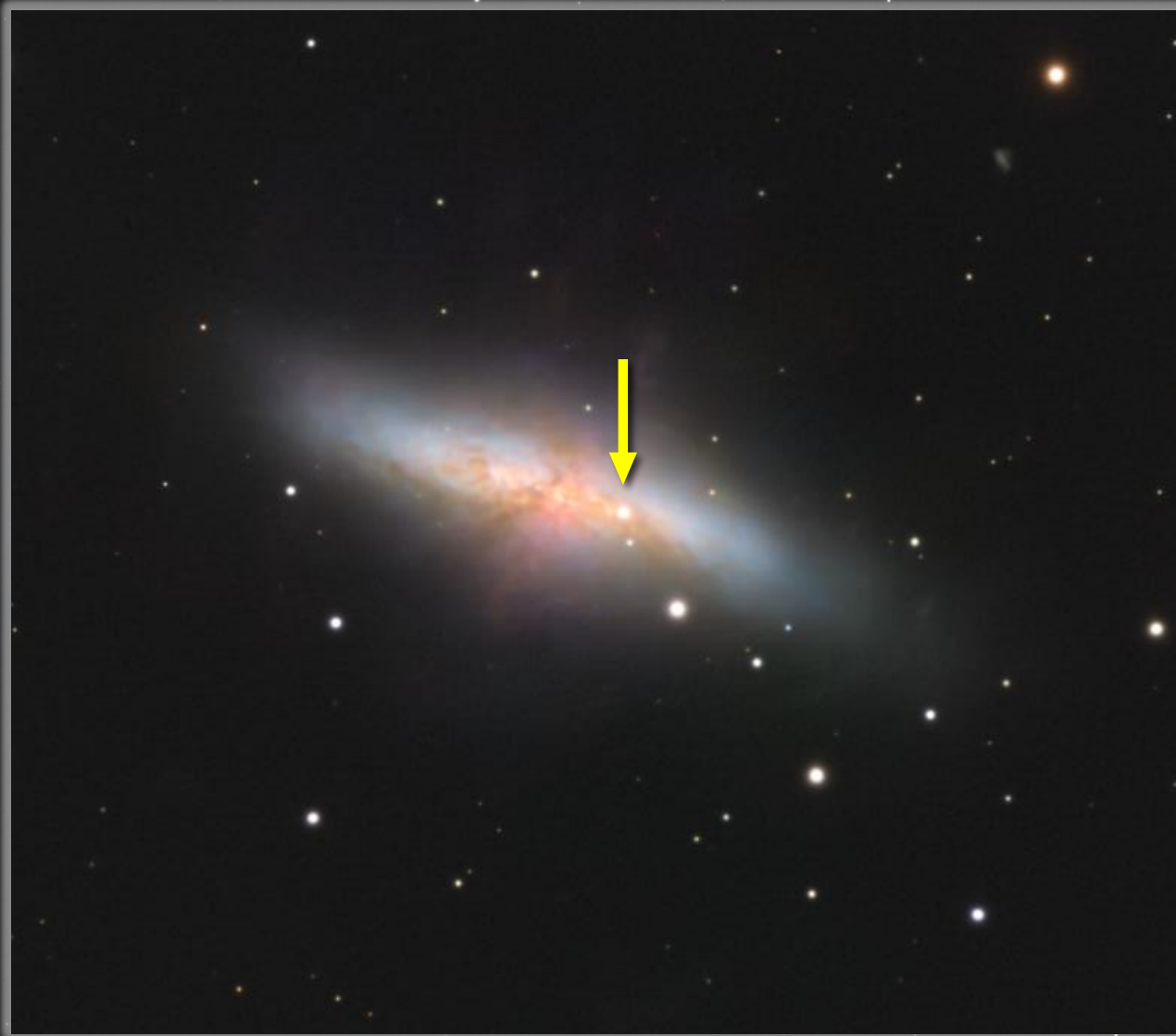
M81 , M82 - Bode's and Cigar galaxies

|                                                                                                                                            |                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| spiral and irregular glx.<br>magnitudes: 6.9 / 8.4m<br>const: Ursa Major                                                                   | scope: Orion 8" eq. newton.<br>eyepiece: 25mm sirius plossl<br>power: 40X , 1.25° TFOV                                                                            |
| notes: impressive pair.<br>thin M82 (top) has small<br>dark lane in middle, M81<br>(bottom) is bright, ellipti-<br>cal with distinct core. | location: Negev Desert, Israel<br>mediocre seeing, ~ 6.8m sky<br>date: 02.05.2008 ; 00:00<br>graphite pencil sketch (inverted)<br>observer: <i>Michael Vlasov</i> |

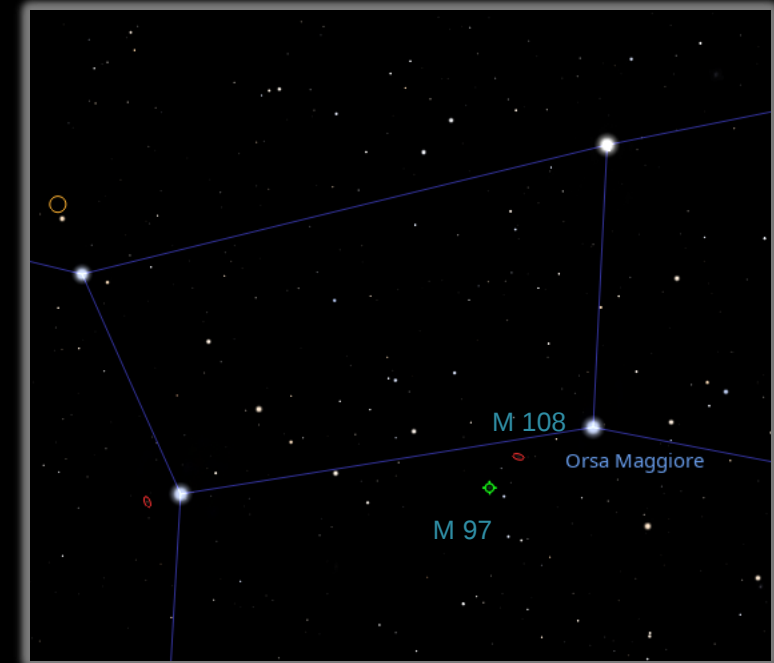
# Supernova in M 82 – SN2014J



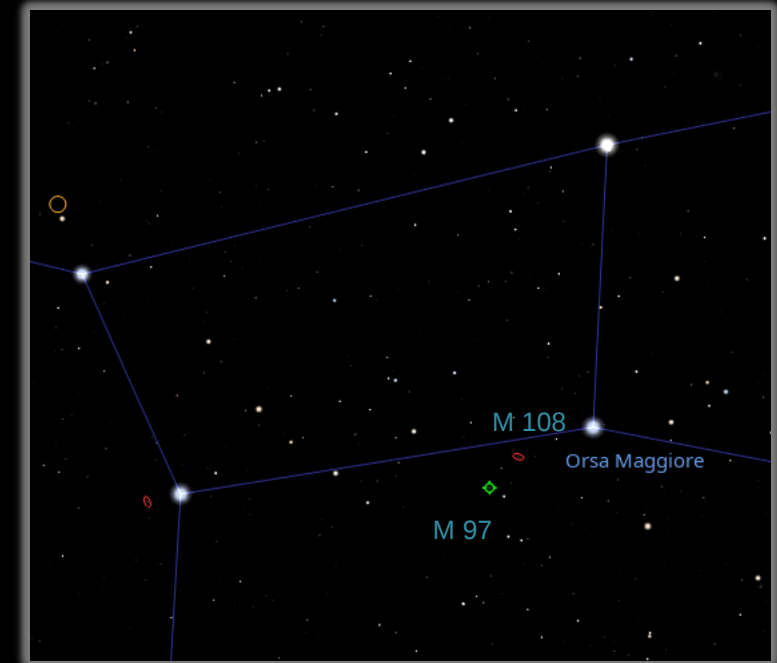
# Supernova in M 82 – SN2014J



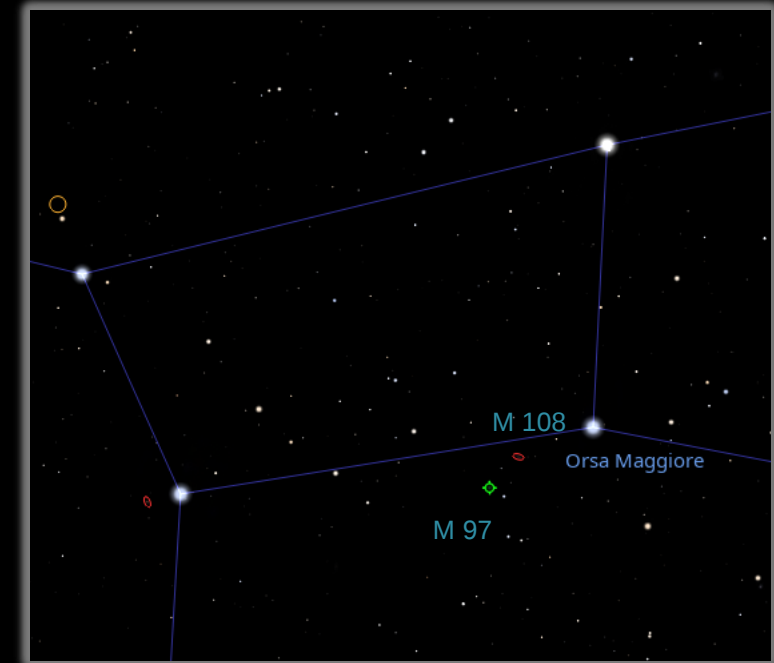
# M97 e M 108



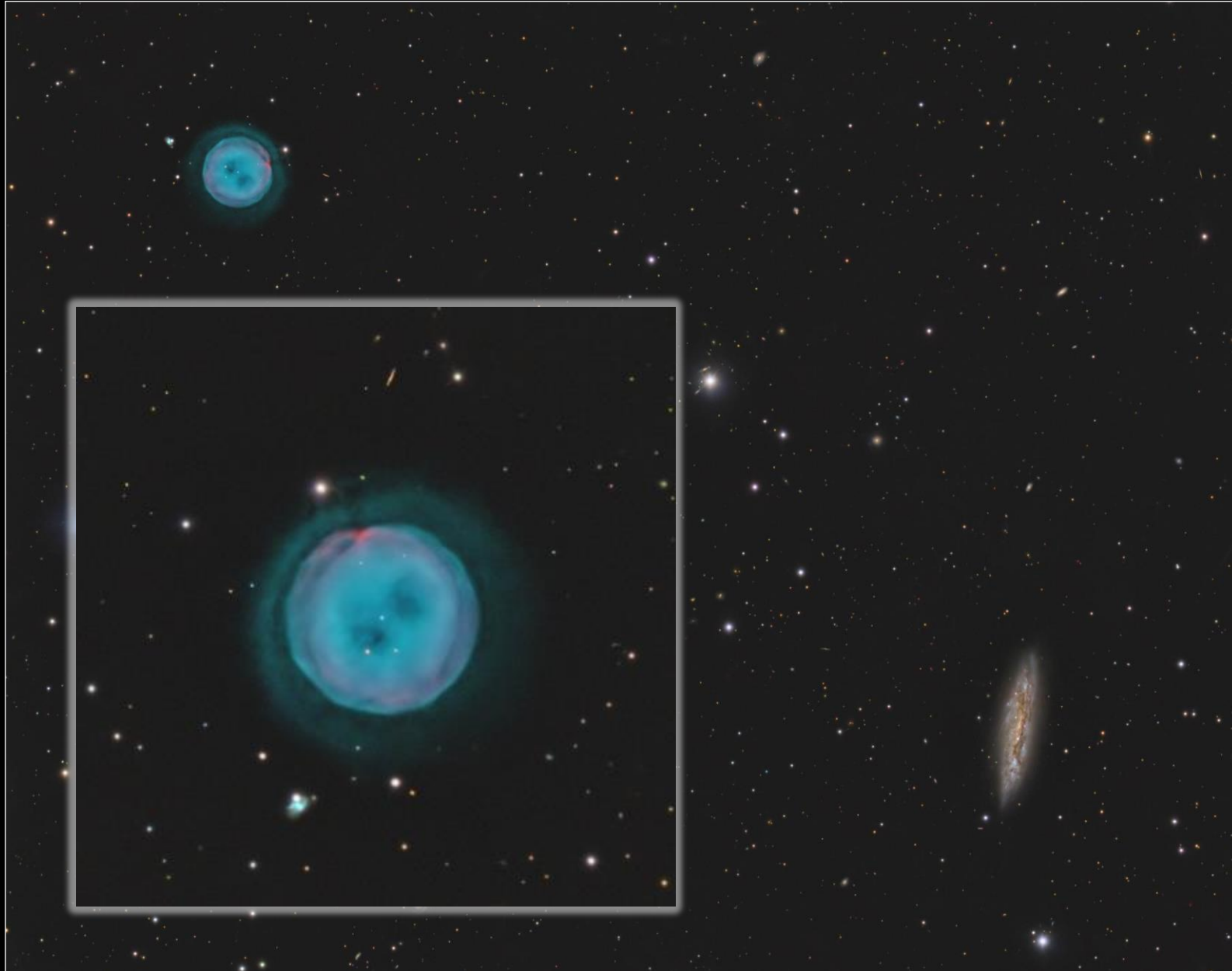
# M97 e M 108



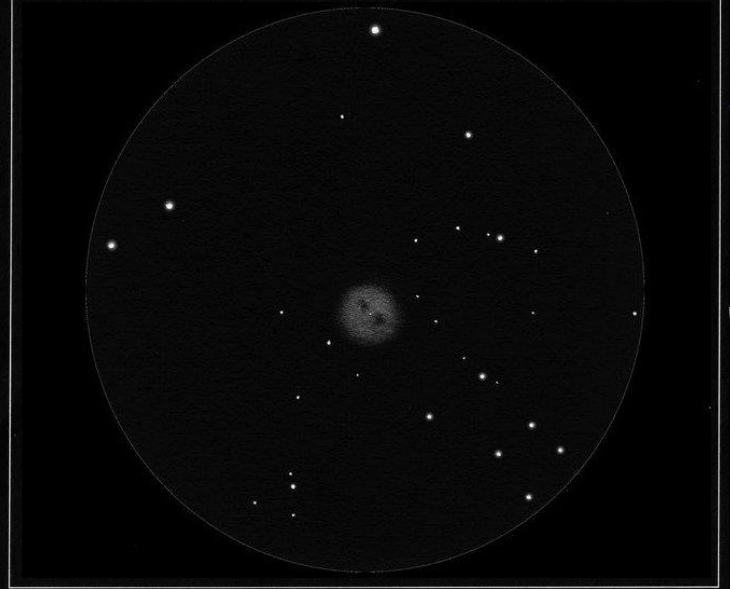
# M 97 – Nebulosa planetaria Gufo



# M 97 – Nebulosa planetaria Gufo

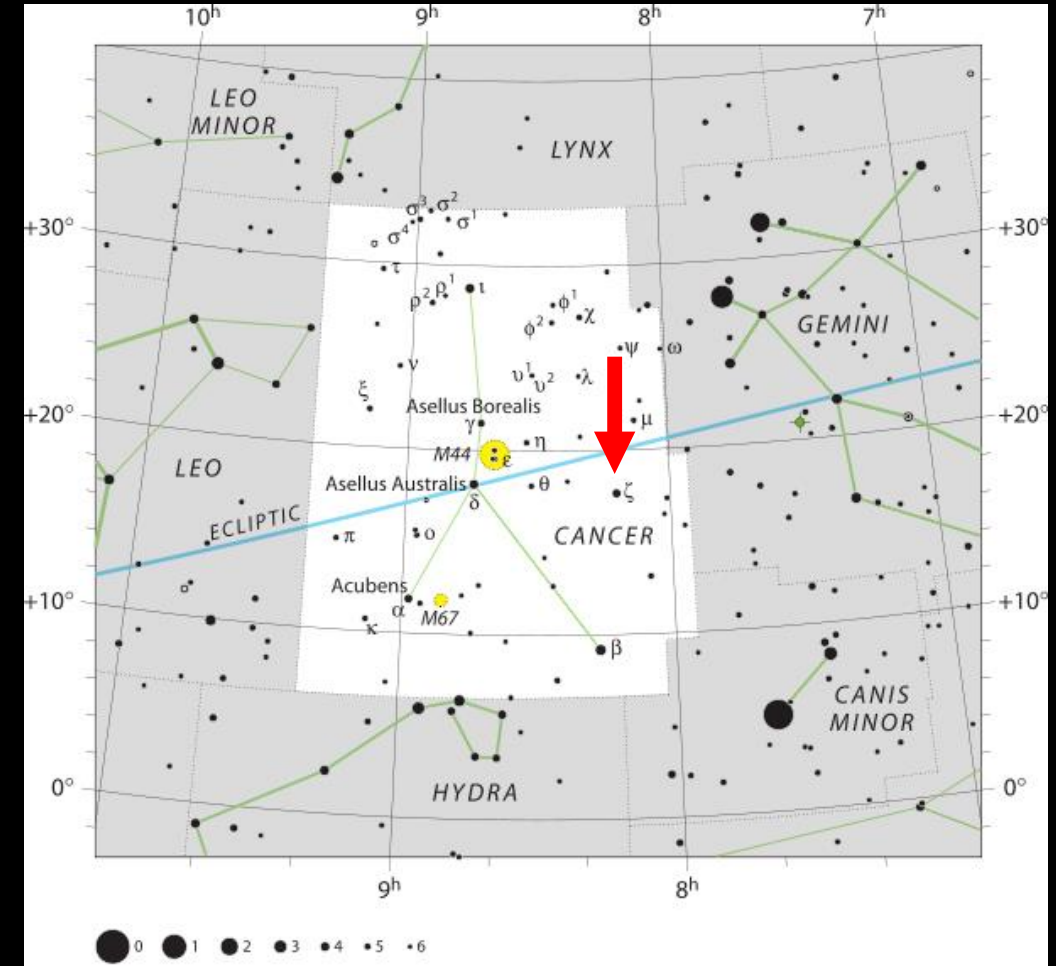


Object: M 97 - Owl Nebula  
Date: 3/13/21 Time: 09:30 pm  
Location: Landenberg Pa  
Temperature: 36°F Seeing: Fantastic  
Cloud Cover: 0% Wind: None  
Humidity: 42% Dew Point: 15°F  
Moon: New 0%  
Telescope: Nexstar 8SE Eyepiece: 28mm RKE  
FR/Barlow: 0.63x Mag: 45.7x FOV: 0.98°  
Notes: Nebula very apparent with OIII filter  
but could not make out any structure



# Stella doppia del mese

## Tegmine - $\zeta$ Cancri



### zeta Cancris

| Componente | AR (2000)   | Dec (2000)   | magnitudine     | separazione        | AP               |
|------------|-------------|--------------|-----------------|--------------------|------------------|
| STF 1196   | 08h 12' 12" | +17° 38' 50" | 5,3 / 6,2 / 5,8 | 1,2" / 6,2" (2025) | 16° / 61° (2025) |

Grazie per  
L'attenzione

Meow...

