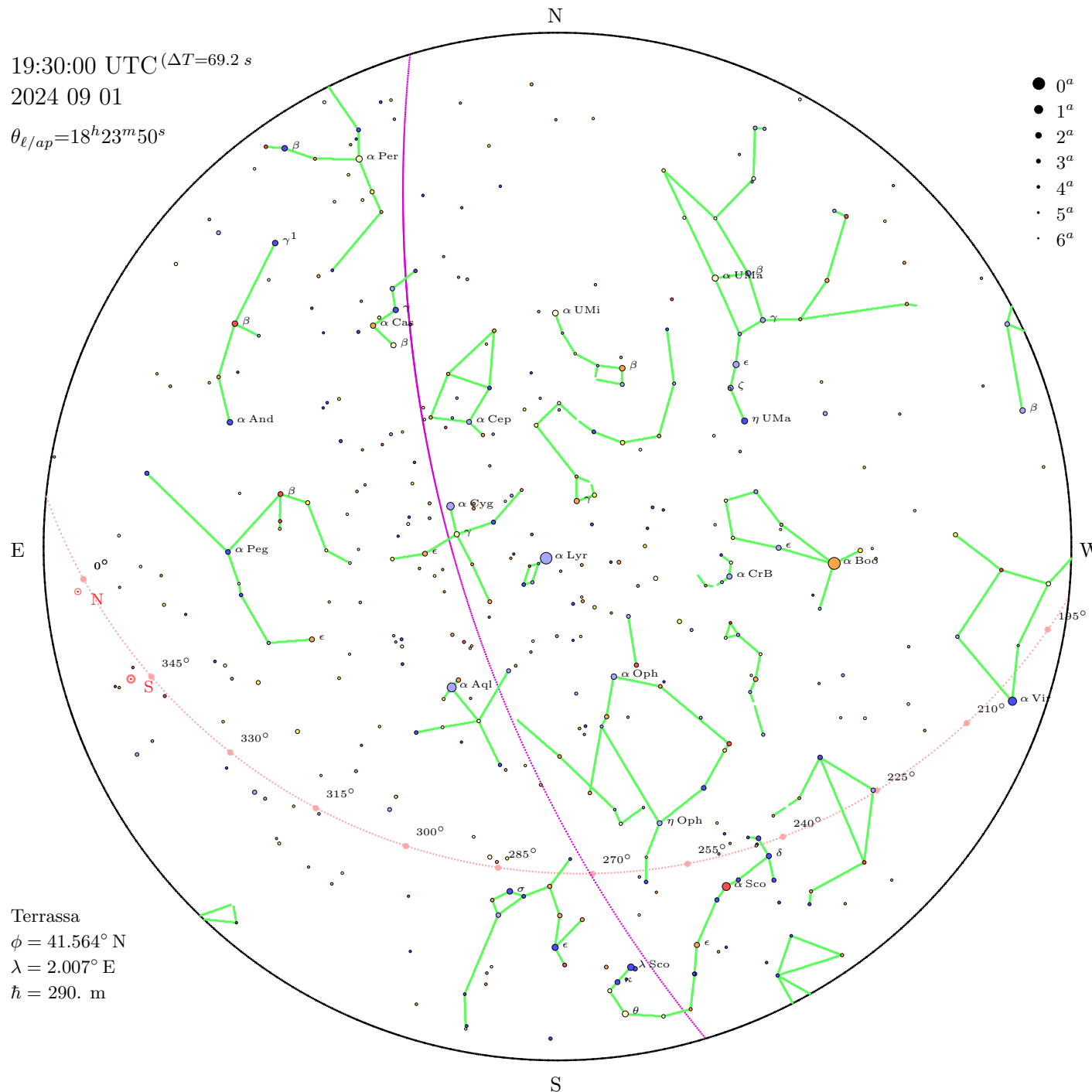


19:30:00 UTC ( $\Delta T=69.2$  s)

2024 09 01

$\theta_{\ell/ap}=18^h23^m50^s$

Terrassa  
 $\phi = 41.564^\circ$  N  
 $\lambda = 2.007^\circ$  E  
 $h = 290$  m



- $0^a$
- $1^a$
- $2^a$
- $3^a$
- $4^a$
- $5^a$
- $6^a$

$V_*^{Hip} \leq 4.5, n = 405$

$V_{*/n} \leq 2.5, n = 41$

$V_{dif} \leq 4.5, n = 0$

$h_{\odot} = -12.5^\circ$

$a_{\odot} = 112.6^\circ$

$h_c = -15.1^\circ / 95\% / \times 6.0$

$a_c = 127.4^\circ$

**Comentari:**

Mapa estel·lar setembre 2024

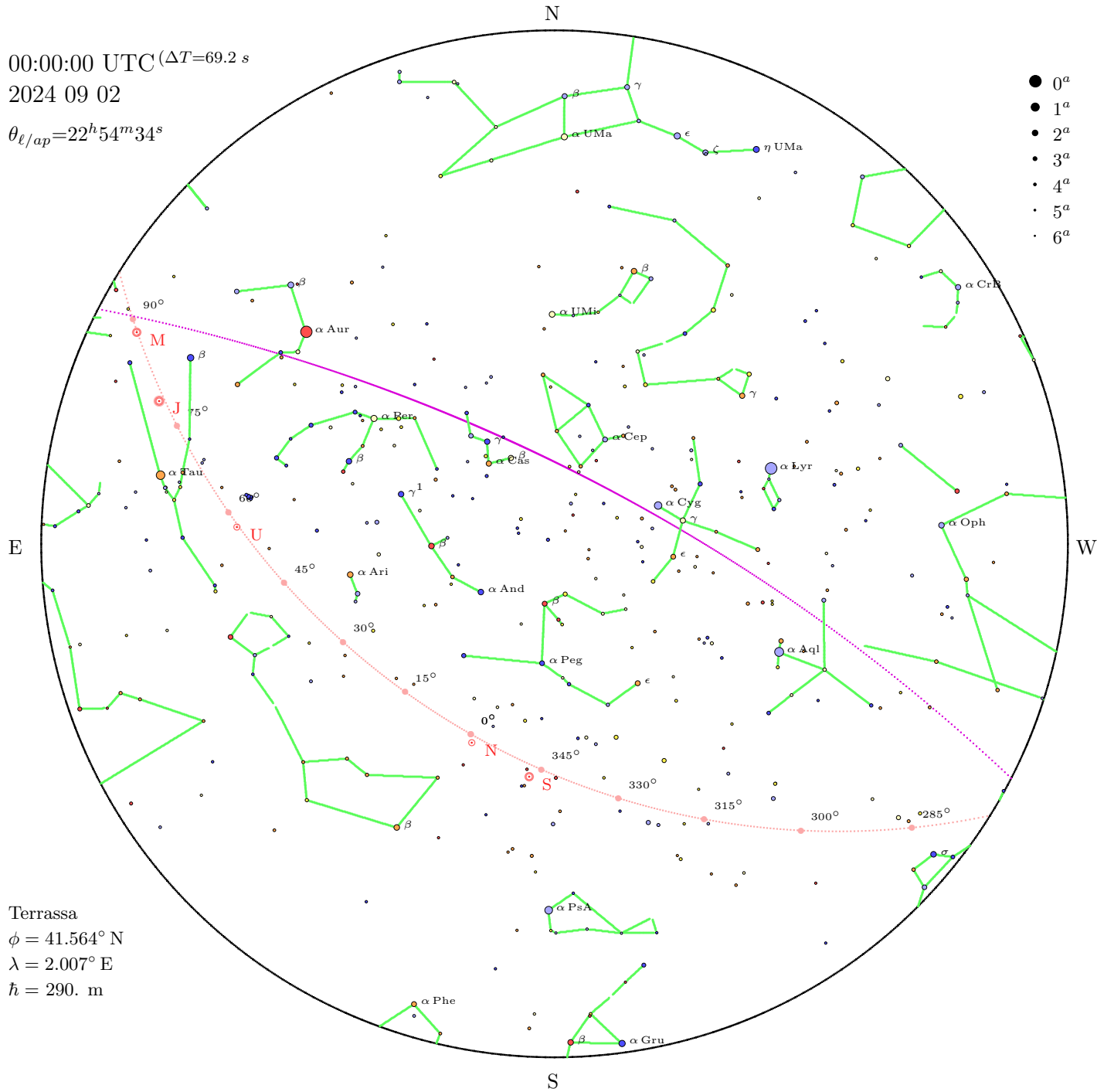
**Vista Zenital**

MapEst90,  $\vec{V}$ (J. Calaf)

00:00:00 UTC ( $\Delta T=69.2$  s)

2024 09 02

$\theta_{\ell/ap}=22^h54^m34^s$



- 0<sup>a</sup>
- 1<sup>a</sup>
- 2<sup>a</sup>
- 3<sup>a</sup>
- 4<sup>a</sup>
- 5<sup>a</sup>
- 6<sup>a</sup>

$V_*^{Hip} \leq 4.5, n = 412$   
 $V_{*/n} \leq 2.5, n = 39$   
 $V_{dif} \leq 4.5, n = 0$

$h_{\odot} = -40.6^{\circ}$   
 $a_{\odot} = 182.7^{\circ}$   
 $h_C = -32.9^{\circ} / 95\% / \times 6.0$   
 $a_C = 194.0^{\circ}$

Terrassa  
 $\phi = 41.564^{\circ}$  N  
 $\lambda = 2.007^{\circ}$  E  
 $h = 290$ . m

**Comentari:**  
 Mapa estel·lar setembre 2024

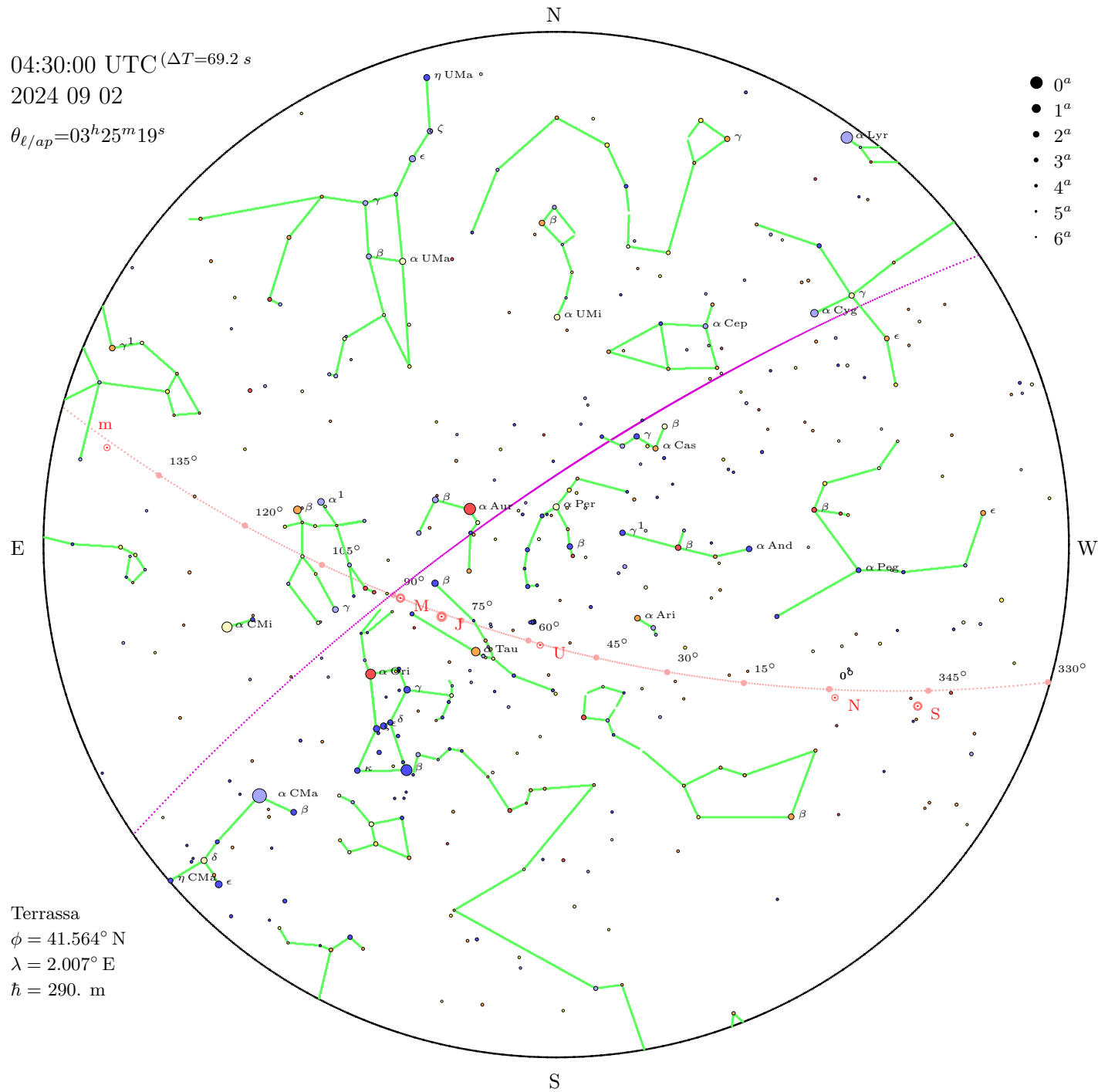
### Vista Zenital

MapEst90,  $\vec{V}$ (J. Calaf)

04:30:00 UTC ( $\Delta T=69.2$  s)

2024 09 02

$\theta_{\ell/ap}=03^h25^m19^s$



- 0<sup>a</sup>
- 1<sup>a</sup>
- 2<sup>a</sup>
- 3<sup>a</sup>
- 4<sup>a</sup>
- 5<sup>a</sup>
- 6<sup>a</sup>

$V_*^{Hip} \leq 4.5, n = 435$   
 $V_{*/n} \leq 2.5, n = 48$   
 $V_{dif} \leq 4.5, n = 0$

$h_{\odot} = -9.7^{\circ}$   
 $a_{\odot} = 250.4^{\circ}$   
 $h_{\text{C}} = -0.3^{\circ} / 96\% / \times 6.0$   
 $a_{\text{C}} = 251.3^{\circ}$

Terrassa  
 $\phi = 41.564^{\circ}$  N  
 $\lambda = 2.007^{\circ}$  E  
 $h = 290$  m

**Comentari:**  
Mapa estel·lar setembre 2024

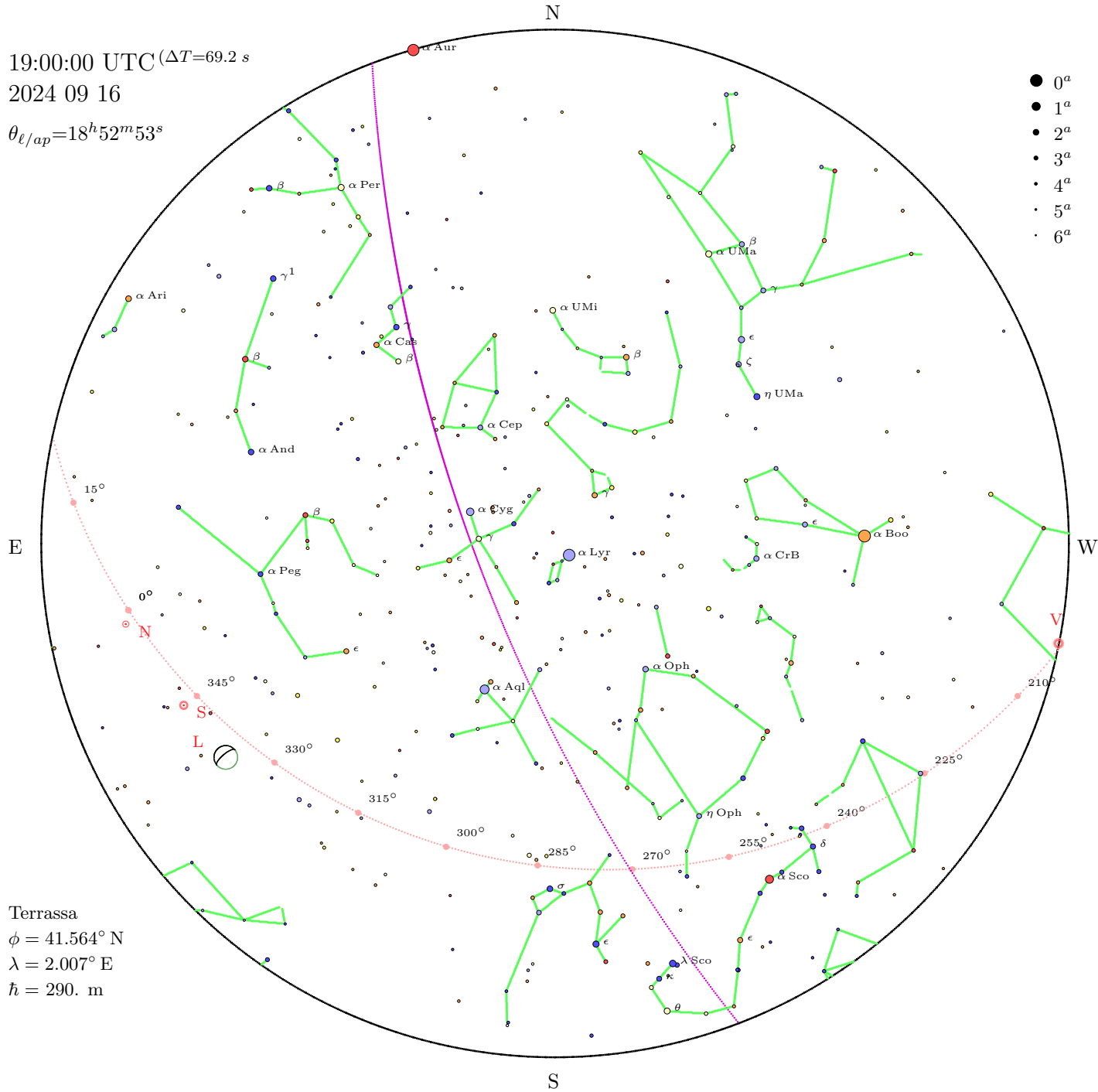
### Vista Zenital

MapEst90,  $\vec{V}$ (J. Calaf)

19:00:00 UTC ( $\Delta T=69.2\text{ s}$ )

2024 09 16

$\theta_{\ell/ap}=18^h52^m53^s$



- $0^a$
- $1^a$
- $2^a$
- $3^a$
- $4^a$
- $5^a$
- $6^a$

$V_*^{Hip} \leq 4.5, n = 413$

$V_{*/n} \leq 2.5, n = 41$

$V_{dif} \leq 4.5, n = 0$

$h_{\odot} = -12.1^\circ$

$a_{\odot} = 104.1^\circ$

$h_C = 15.2^\circ / 45\% / \times 6.0$

$a_C = 303.0^\circ$

Terrassa  
 $\phi = 41.564^\circ\text{ N}$   
 $\lambda = 2.007^\circ\text{ E}$   
 $\bar{h} = 290.\text{ m}$

**Comentari:**

Mapa estel·lar setembre 2024

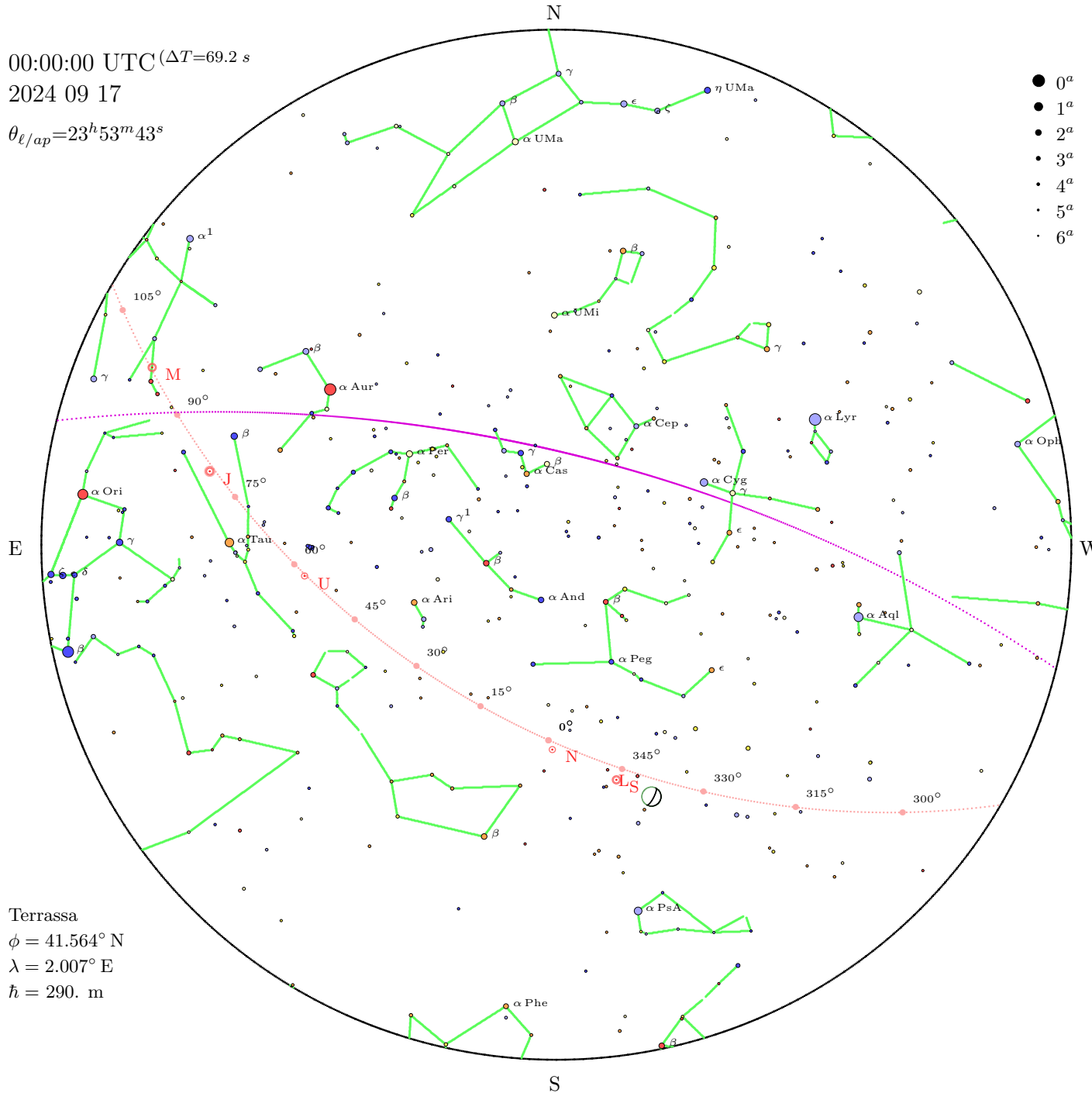
**Vista Zenital**

MapEst90,  $\vec{V}$ (J. Calaf)

00:00:00 UTC ( $\Delta T=69.2$  s)

2024 09 17

$\theta_{\ell/ap}=23^h53^m43^s$



- 0<sup>a</sup>
- 1<sup>a</sup>
- 2<sup>a</sup>
- 3<sup>a</sup>
- 4<sup>a</sup>
- 5<sup>a</sup>
- 6<sup>a</sup>

$V_*^{Hip} \leq 4.5, n = 429$   
 $V_{*/n} \leq 2.5, n = 44$   
 $V_{dif} \leq 4.5, n = 0$

$h_{\odot} = -46.2^{\circ}$   
 $a_{\odot} = 184.9^{\circ}$   
 $h_C = 34.8^{\circ} / 46\% / \times 6.0$   
 $a_C = 20.7^{\circ}$

Terrassa  
 $\phi = 41.564^{\circ}$  N  
 $\lambda = 2.007^{\circ}$  E  
 $h = 290$  m

**Comentari:**  
 Mapa estel·lar setembre 2024

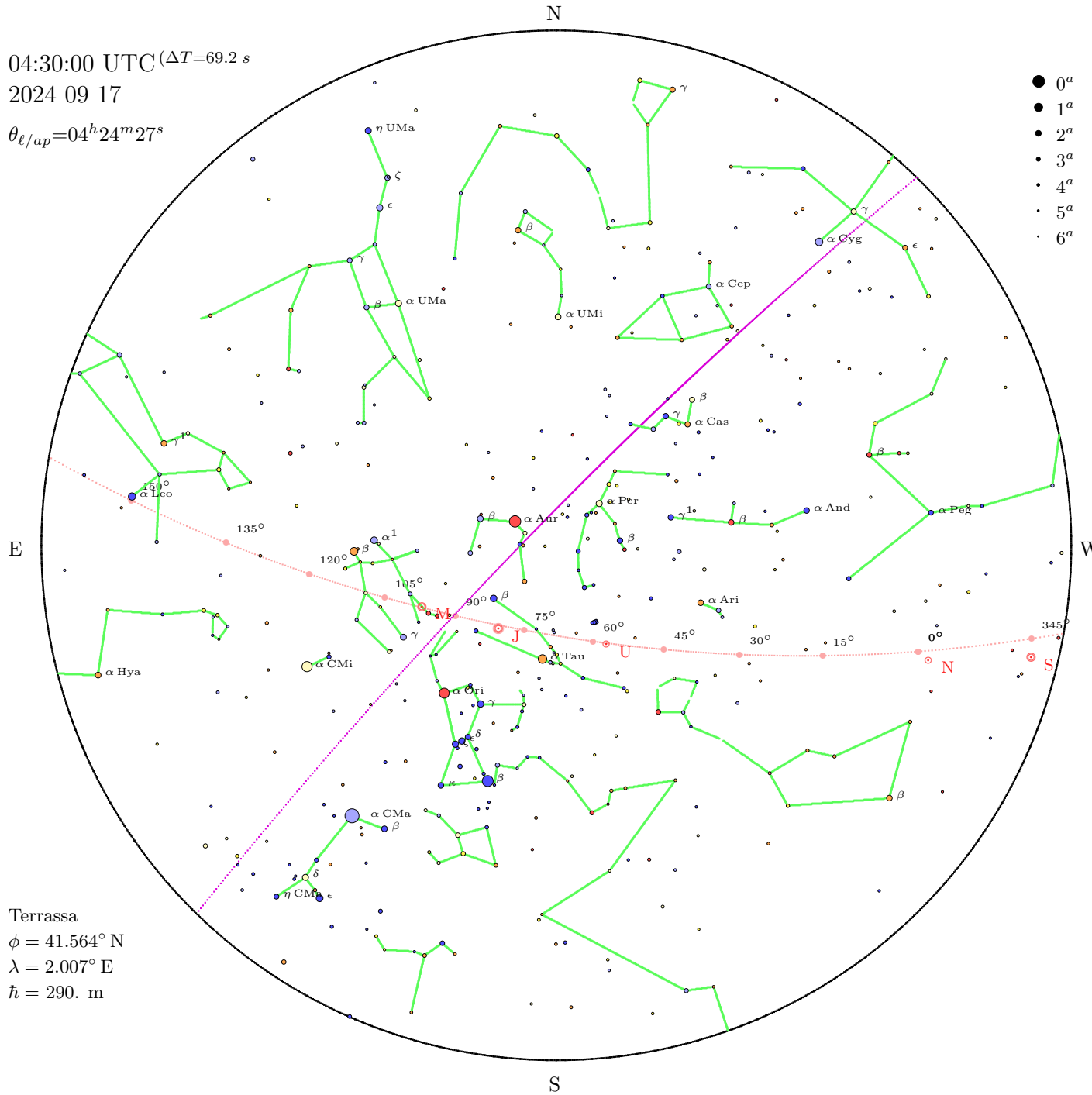
**Vista Zenital**

MapEst90,  $\vec{V}$ (J. Calaf)

04:30:00 UTC ( $\Delta T=69.2$  s)

2024 09 17

$\theta_{\ell/ap}=04^h24^m27^s$



- 0<sup>a</sup>
- 1<sup>a</sup>
- 2<sup>a</sup>
- 3<sup>a</sup>
- 4<sup>a</sup>
- 5<sup>a</sup>
- 6<sup>a</sup>

$V_{*}^{Hip} \leq 4.5, n = 432$   
 $V_{*/n} \leq 2.5, n = 48$   
 $V_{dif} \leq 4.5, n = 0$

$h_{\odot} = -12.7^{\circ}$   
 $a_{\odot} = 255.5^{\circ}$   
 $h_{C} = -1.3^{\circ} / 47\% / \times 6.0$   
 $a_{C} = 77.9^{\circ}$

Terrassa  
 $\phi = 41.564^{\circ}$  N  
 $\lambda = 2.007^{\circ}$  E  
 $h = 290$  m

**Comentari:**  
Mapa estel·lar setembre 2024

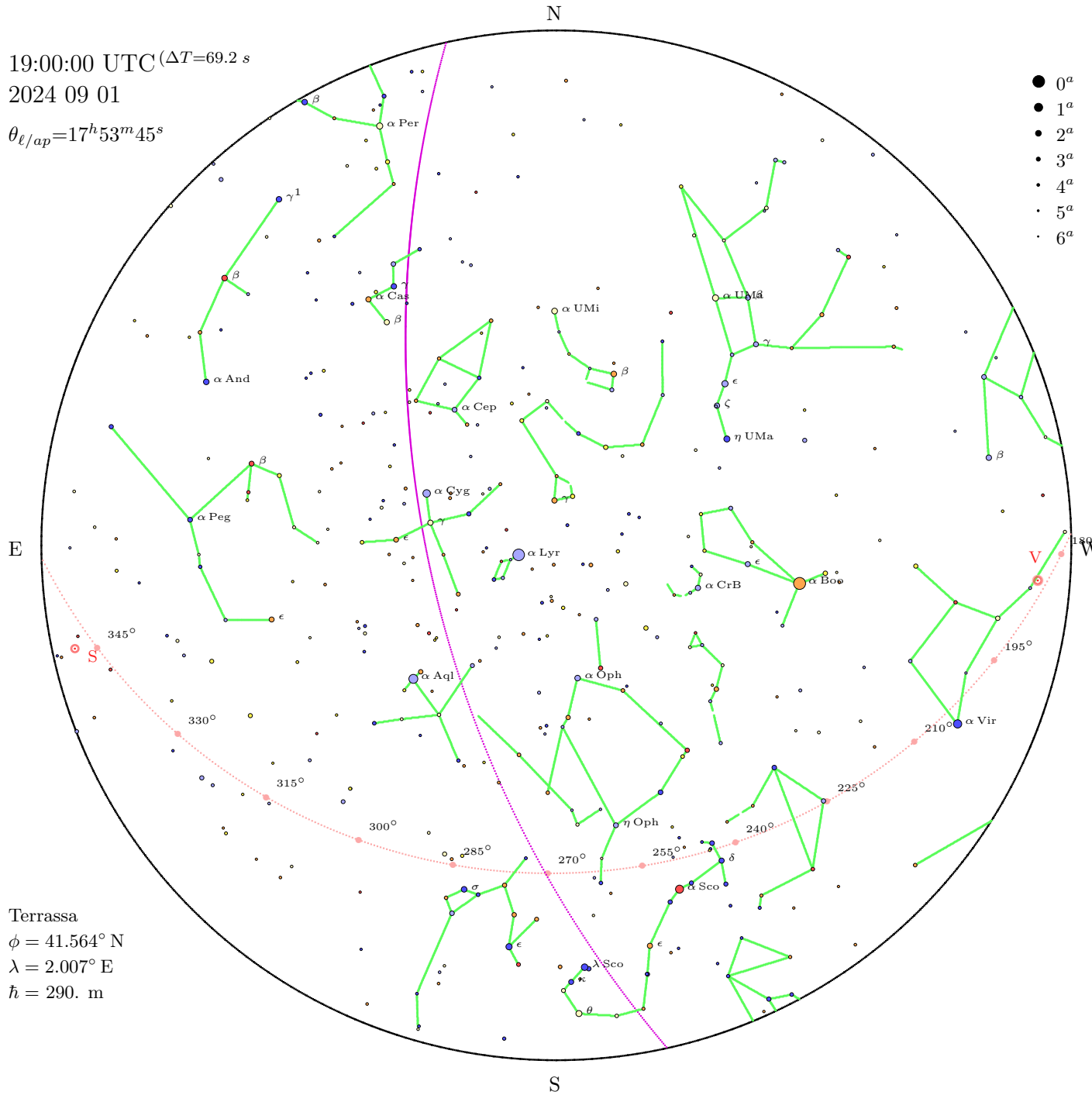
**Vista Zenital**

MapEst90,  $\vec{V}$ (J. Calaf)

19:00:00 UTC ( $\Delta T=69.2$  s)

2024 09 01

$\theta_{\ell/ap}=17^h53^m45^s$



- 0<sup>a</sup>
- 1<sup>a</sup>
- 2<sup>a</sup>
- 3<sup>a</sup>
- 4<sup>a</sup>
- 5<sup>a</sup>
- 6<sup>a</sup>

$V_*^{Hip} \leq 4.5, n = 414$   
 $V_{*/n} \leq 2.5, n = 41$   
 $V_{dif} \leq 4.5, n = 0$

$h_{\odot} = -7.3^{\circ}$   
 $a_{\odot} = 107.3^{\circ}$   
 $h_{\zeta} = -10.5^{\circ} / 94\% / \times 6.0$   
 $a_{\zeta} = 122.0^{\circ}$

Terrassa  
 $\phi = 41.564^{\circ}$  N  
 $\lambda = 2.007^{\circ}$  E  
 $h = 290$  m

**Comentari:**  
Mapa estel·lar octubre 2024

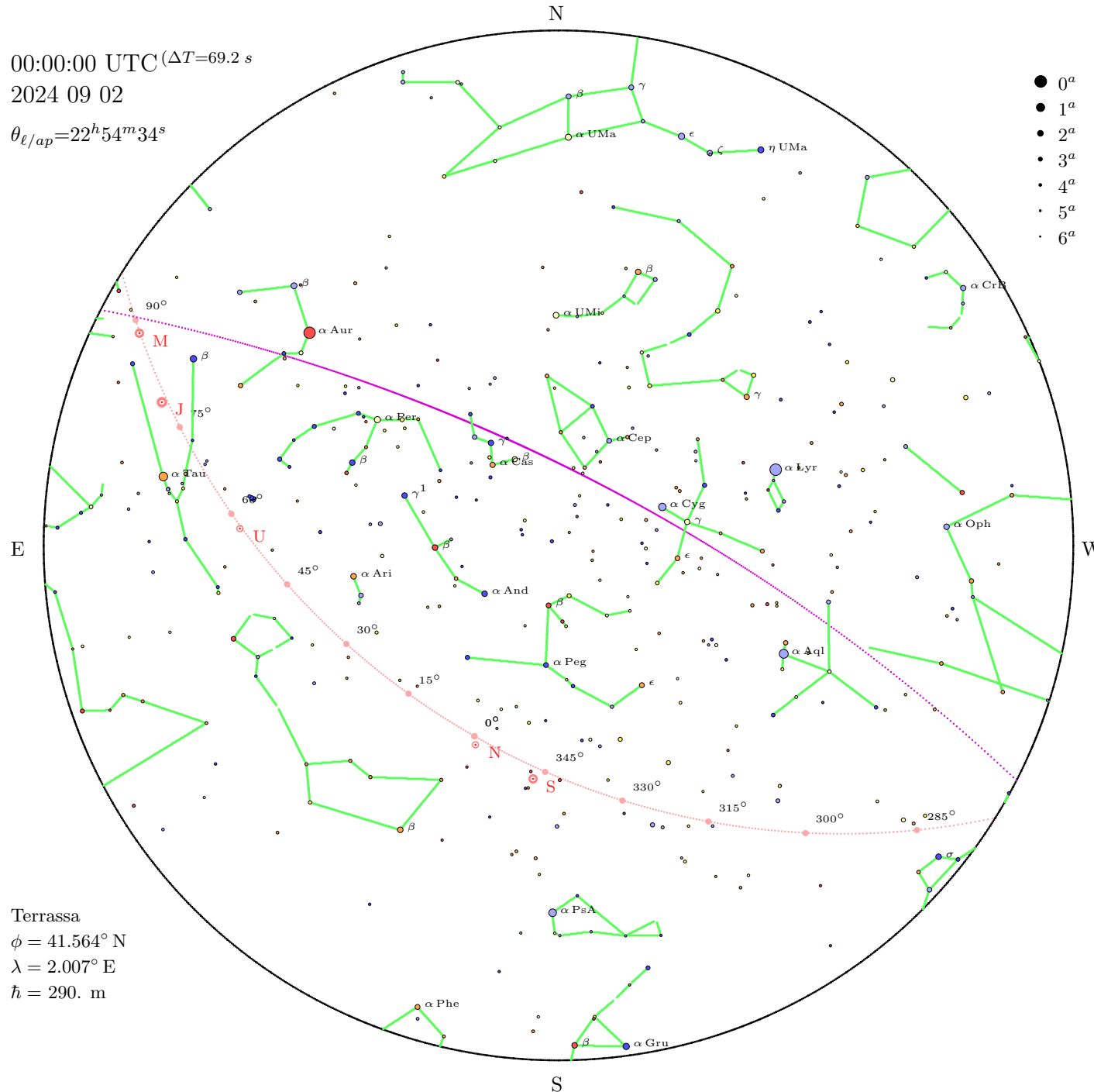
**Vista Zenital**

MapEst90,  $\vec{V}$ (J. Calaf)

00:00:00 UTC ( $\Delta T=69.2$  s)

2024 09 02

$\theta_{\ell/ap}=22^h54^m34^s$



- 0<sup>a</sup>
- 1<sup>a</sup>
- 2<sup>a</sup>
- 3<sup>a</sup>
- 4<sup>a</sup>
- 5<sup>a</sup>
- 6<sup>a</sup>

$V_*^{Hip} \leq 4.5, n = 412$   
 $V_{*/n} \leq 2.5, n = 39$   
 $V_{dif} \leq 4.5, n = 0$

$h_{\odot} = -40.6^{\circ}$   
 $a_{\odot} = 182.7^{\circ}$   
 $h_{\zeta} = -32.9^{\circ} / 95\% / \times 6.0$   
 $a_{\zeta} = 194.0^{\circ}$

Terrassa  
 $\phi = 41.564^{\circ}$  N  
 $\lambda = 2.007^{\circ}$  E  
 $h = 290$  m

**Comentari:**  
Mapa estel·lar octubre 2024

### Vista Zenital

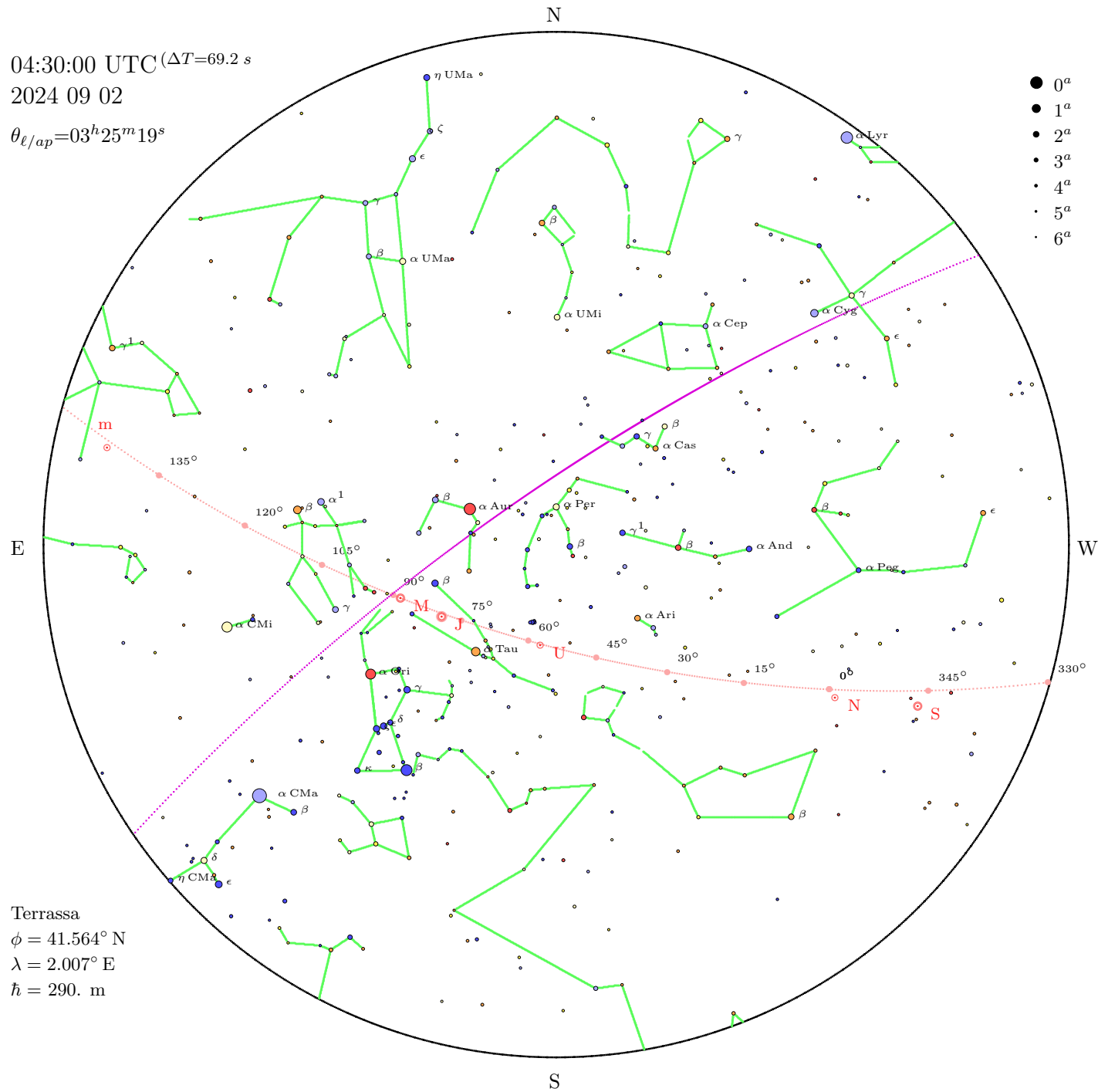
MapEst90,  $\vec{V}$ (J. Calaf)



04:30:00 UTC ( $\Delta T=69.2$  s)

2024 09 02

$\theta_{\ell/ap}=03^h25^m19^s$



- 0<sup>a</sup>
- 1<sup>a</sup>
- 2<sup>a</sup>
- 3<sup>a</sup>
- 4<sup>a</sup>
- 5<sup>a</sup>
- 6<sup>a</sup>

$V_*^{Hip} \leq 4.5, n = 435$

$V_{*/n} \leq 2.5, n = 48$

$V_{dif} \leq 4.5, n = 0$

$h_{\odot} = -9.7^{\circ}$

$a_{\odot} = 250.4^{\circ}$

$h_{\text{C}} = -0.3^{\circ} / 96\% / \times 6.0$

$a_{\text{C}} = 251.3^{\circ}$

Terrassa  
 $\phi = 41.564^{\circ}$  N  
 $\lambda = 2.007^{\circ}$  E  
 $h = 290$  m

### Comentari:

Mapa estel·lar octubre 2024

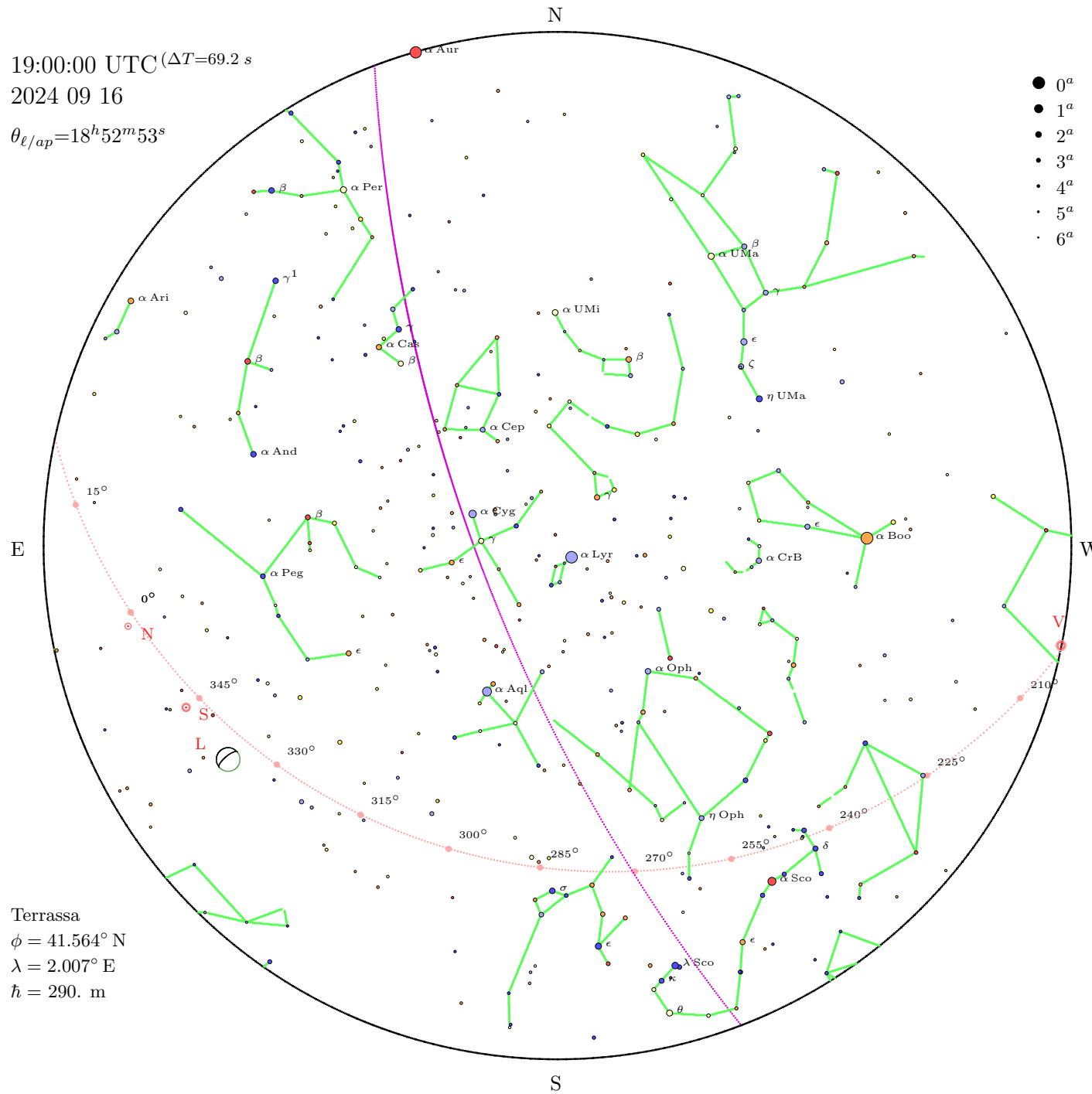
### Vista Zenital

MapEst90,  $\vec{V}$ (J. Calaf)

19:00:00 UTC ( $\Delta T=69.2$  s)

2024 09 16

$\theta_{\ell/ap}=18^h52^m53^s$



- 0<sup>a</sup>
- 1<sup>a</sup>
- 2<sup>a</sup>
- 3<sup>a</sup>
- 4<sup>a</sup>
- 5<sup>a</sup>
- 6<sup>a</sup>

$V_*^{Hip} \leq 4.5, n = 413$   
 $V_{*/n} \leq 2.5, n = 41$   
 $V_{dif} \leq 4.5, n = 0$

$h_{\odot} = -12.1^{\circ}$   
 $a_{\odot} = 104.1^{\circ}$   
 $h_C = 15.2^{\circ} / 45\% / \times 6.0$   
 $a_C = 303.0^{\circ}$

Terrassa  
 $\phi = 41.564^{\circ}$  N  
 $\lambda = 2.007^{\circ}$  E  
 $h = 290$  m

**Comentari:**  
Mapa estel·lar octubre 2024

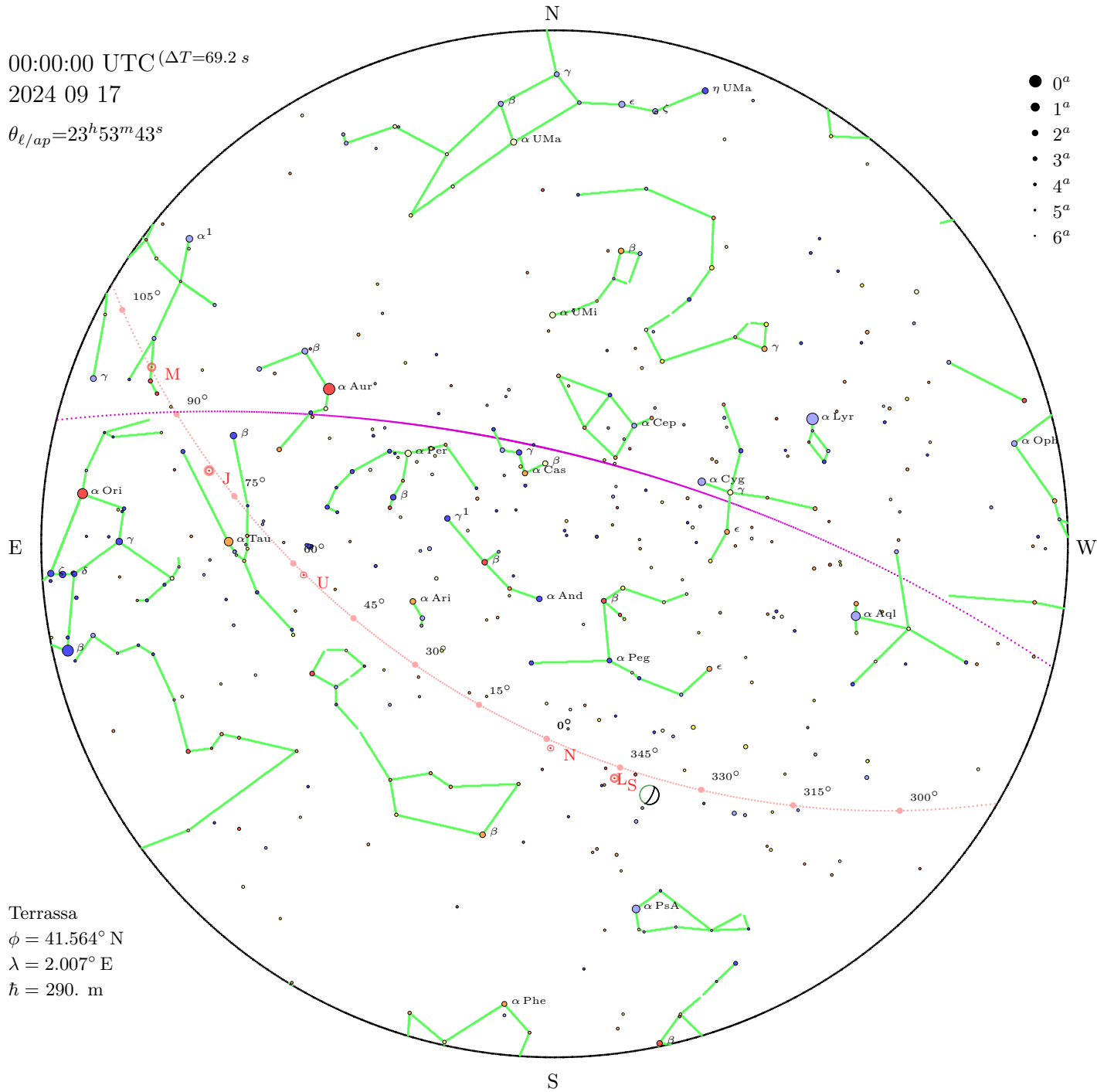
### Vista Zenital

MapEst90,  $\vec{V}$ (J. Calaf)

00:00:00 UTC ( $\Delta T=69.2$  s)

2024 09 17

$\theta_{\ell/ap}=23^h53^m43^s$



- 0<sup>a</sup>
- 1<sup>a</sup>
- 2<sup>a</sup>
- 3<sup>a</sup>
- 4<sup>a</sup>
- 5<sup>a</sup>
- 6<sup>a</sup>

$V_*^{Hip} \leq 4.5, n = 429$   
 $V_*/n \leq 2.5, n = 44$   
 $V_{dif} \leq 4.5, n = 0$

$h_{\odot} = -46.2^{\circ}$   
 $a_{\odot} = 184.9^{\circ}$   
 $h_c = 34.8^{\circ} / 46\% / \times 6.0$   
 $a_c = 20.7^{\circ}$

Terrassa  
 $\phi = 41.564^{\circ}$  N  
 $\lambda = 2.007^{\circ}$  E  
 $h = 290.$  m

**Comentari:**  
 Mapa estel·lar octubre 2024

**Vista Zenital**

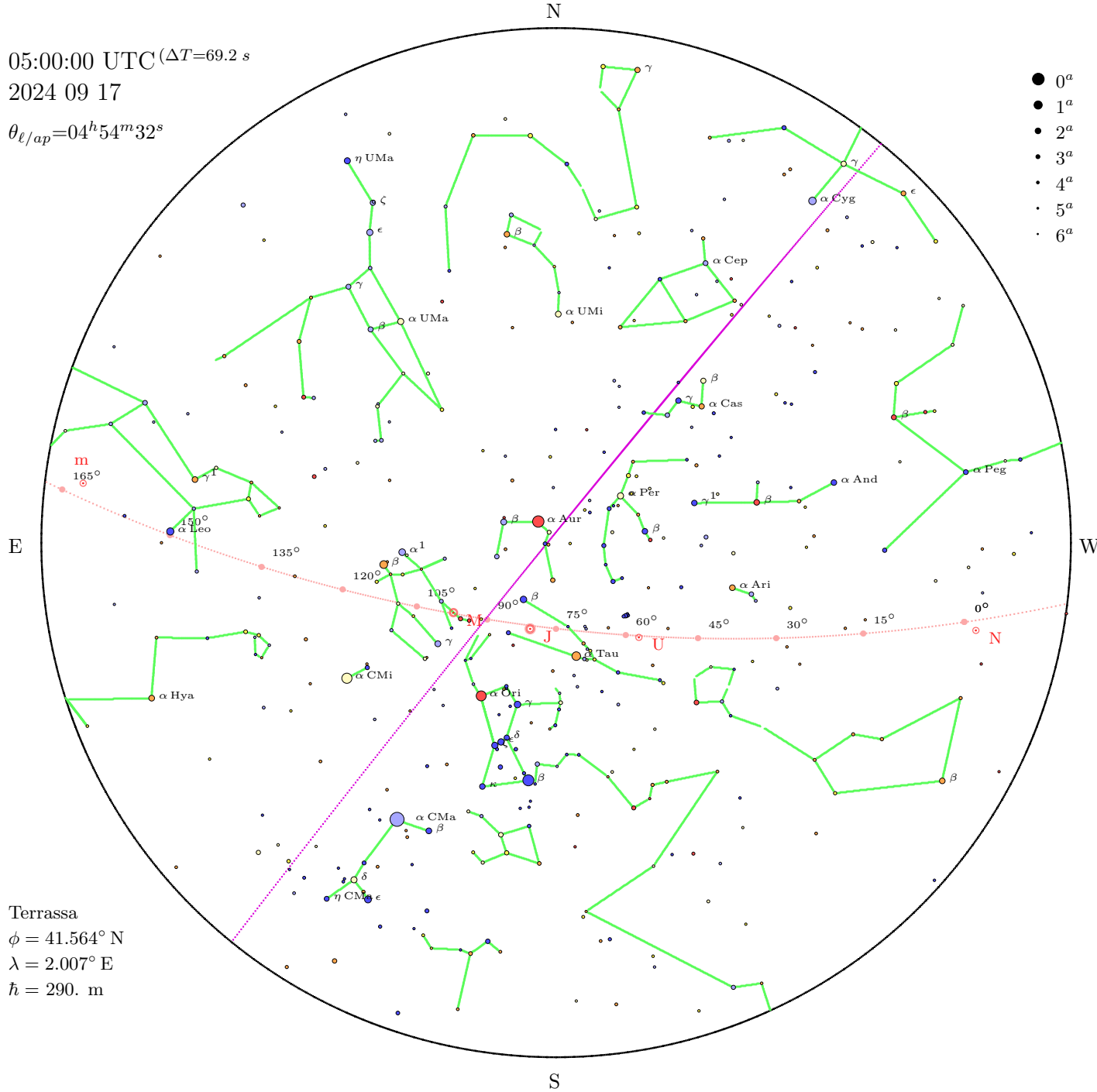
MapEst90,  $\vec{V}$ (J. Calaf)

05:00:00 UTC ( $\Delta T=69.2$  s)

2024 09 17

$\theta_{\ell/ap}=04^h54^m32^s$

Terrassa  
 $\phi = 41.564^\circ$  N  
 $\lambda = 2.007^\circ$  E  
 $h = 290.$  m



- $0^a$
- $1^a$
- $2^a$
- $3^a$
- $4^a$
- $5^a$
- $6^a$

$V_*^{Hip} \leq 4.5, n = 424$   
 $V_{*/n} \leq 2.5, n = 48$   
 $V_{dif} \leq 4.5, n = 0$

$h_\odot = -7.3^\circ$   
 $a_\odot = 260.7^\circ$   
 $h_C = -6.5^\circ / 47\% / \times 6.0$   
 $a_C = 82.7^\circ$

**Comentari:**  
Mapa estel·lar octubre 2024

### Vista Zenital

MapEst90,  $\vec{V}$ (J. Calaf)