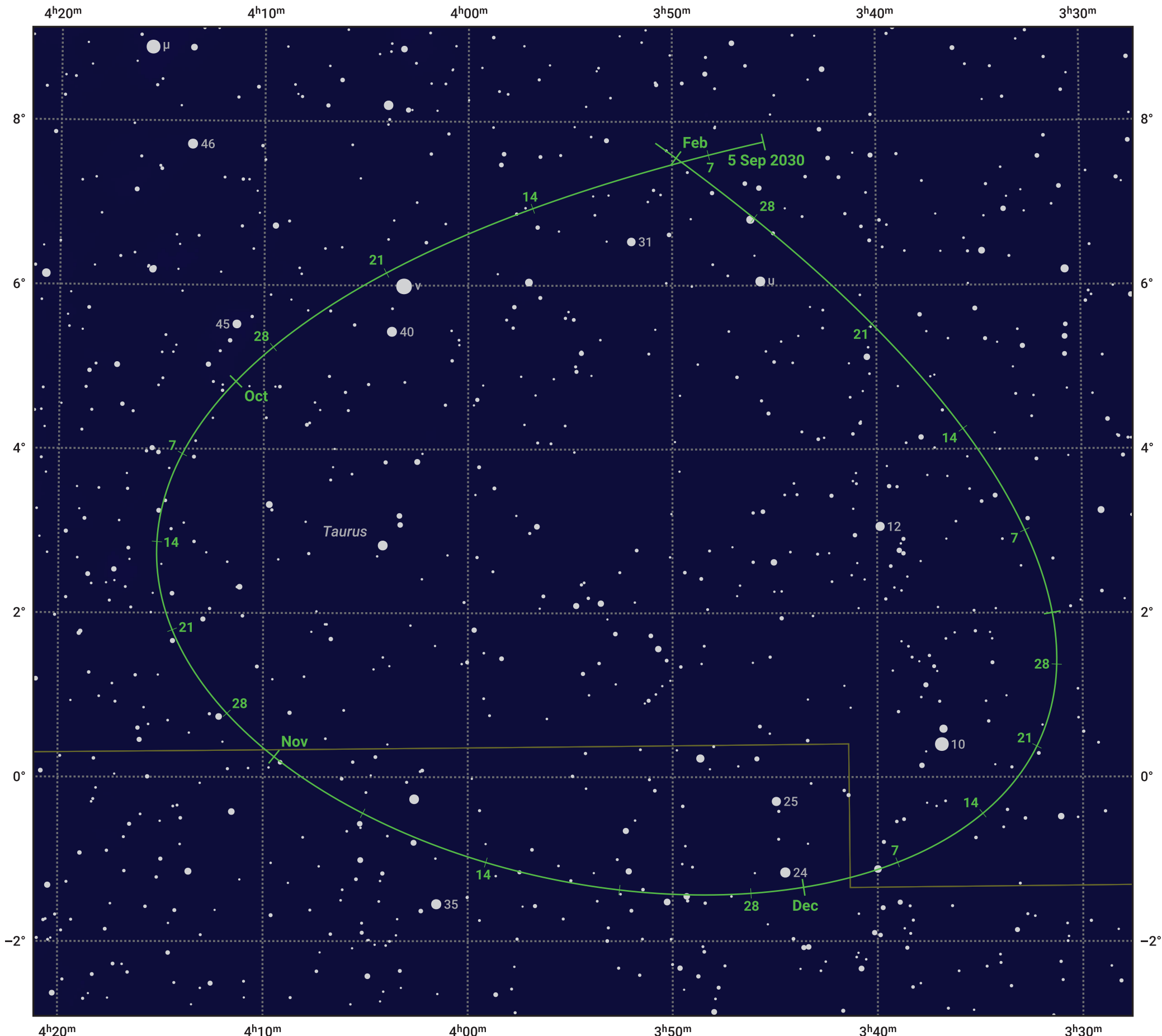


# The path of Asteroid 18 Melpomene around opposition on 19 Nov 2030



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Magnitude scale:  $\bullet$  10.0  $\bullet$  9.0  $\bullet$  8.0  $\bullet$  7.0  $\bullet$  6.0  $\bullet$  5.0  $\bullet$  4.0  $\bullet$  3.0

— Ecliptic Plane

● Galaxy   
 ■ Bright nebula   
 ● Open cluster   
 ⊕ Globular cluster

| Date        | Mag  | Phase |
|-------------|------|-------|
| 2030 Oct 1  | 8.9  | 94%   |
| 2030 Oct 25 | 8.4  | 97%   |
| 2030 Nov 1  | 8.3  | 98%   |
| 2030 Dec 1  | 8.4  | 99%   |
| 2031 Jan 1  | 9.2  | 96%   |
| 2031 Jan 9  | 9.5  | 95%   |
| 2031 Feb 1  | 10.0 | 94%   |