

New Polar Scope Engraving

The engraving seen through your polar scope may be different from the one described in the manual. In such case, refer to this page for explanations of the new pattern.

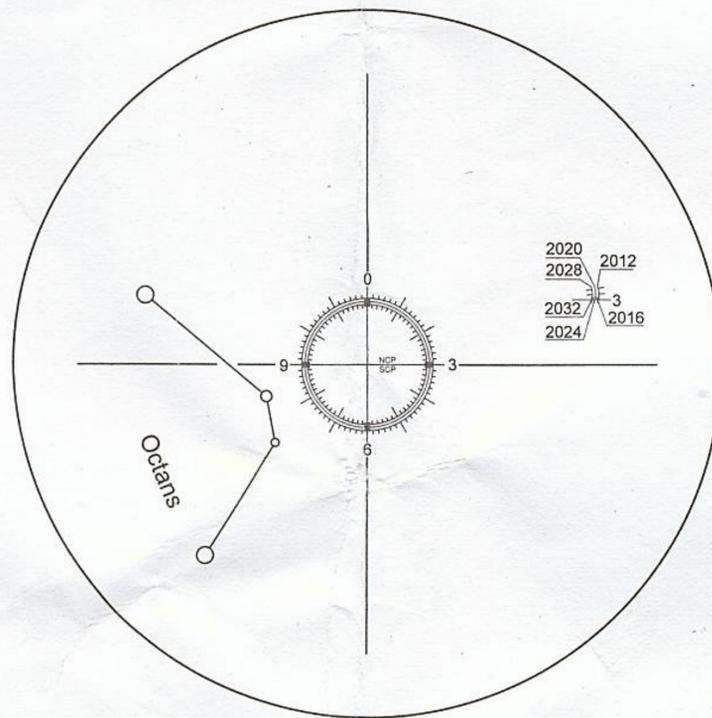


Fig 1. The new reticle precision engraving

The SynScan hand control and several applications running on PCs and mobile devices can give Polaris orientation in the FOV of a polar scope depending on the observer's position and local time.. Generally, the orientations are given in time format. The new reticle has a clock like engraving which is compatible with these applications.

For polar alignment, rotate the R.A. axis of the mount to put the 0 o'clock of the reticle at the highest position in the FOV of the polar scope, then place the Polaris at the correct clock position given by the SynScan hand control or other applications.

Polaris position also changes as time passes. The new reticle displays 3 circles to represent Polaris's orbit in year 2012, 2020 and 2028. It also gives sub-dials at 0, 3, 6, and 9 o'clock position for year 2016, 2024 and 2032. An engraving labeled with the above years is also displayed on the right of the FOV for memo purpose.

When doing polar alignment in Northern hemisphere, the user should put Polaris on the the correct circle corresponding to the present year for better alignment precision.