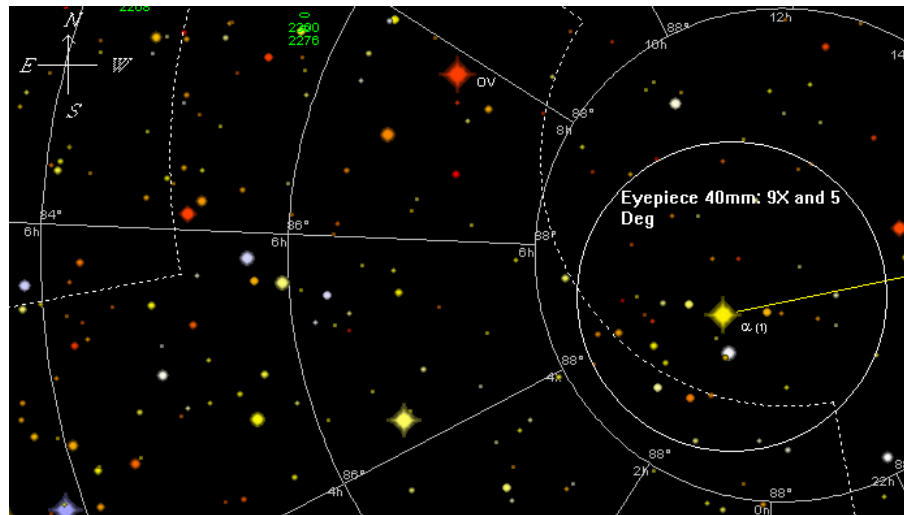


How to find the direction to the north? Polaris can help us.

- Using the Big Dipper as a guide and find Polaris. Sight along the side of the telescope main tube and turn the tube and lining up with the Polaris.
- “Declination (Dec) Setting Circle” on left fork arm. Read the scale number and add 39 degrees (latitude of Lesbos is the altitude of Polaris, 39 degrees)
- and move the telescope slightly back and forth to Polaris shows up in the eyepiece.

How can we recognize Polaris in the eyepiece?



Polaris in center of “Eyepiece Field of View Circle” (Sky Map)

Three stars form the corners of a triangle; Polaris is located inside this triangle. Northwest and northeast star has the same brightness; they are not visible with the naked eye. Star in the southern corner of the triangle is the strongest of the three stars.

An eyepiece with a focal length of 400 mm leads to a magnification equal to 9 times and a field of view equal to 5 degrees, see the image. The image in “90 reflect light observation” is reversed left for right.

Tips: Sett teleskopet i ”Home Position” en time etter solnedgang, da er det kun Polaris som viser seg på stjernehimmelen 39 grader over horisonten i nordlig retning. Kveldshimmelen for lys til at vi kan se de andre stjernene i området.