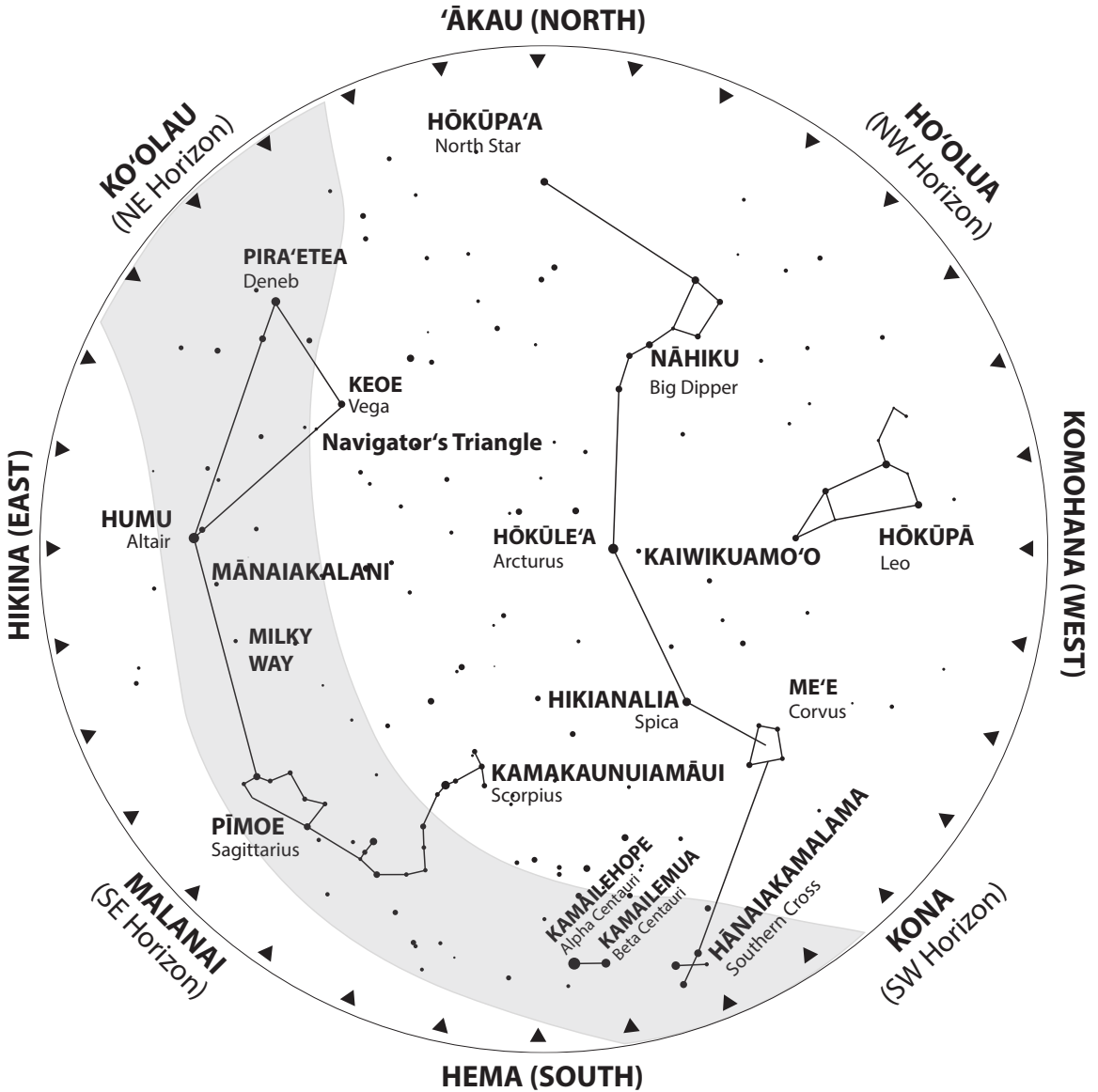


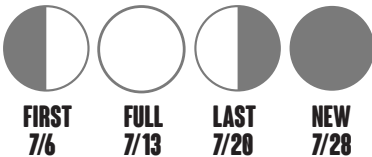
IULAI | JULY SKIES AT 8PM



THIS CHART REFLECTS THE NIGHT SKY OVER HAWAII AT 8PM

This star chart incorporates the Hawaiian Star Compass and is oriented for an observer looking up and facing South. In this orientation, the Hikina (East) horizon is on the left and the Komohana (West) horizon is on the right.

JULY MOON PHASES



JULY HIGHLIGHTS

On July 13th the full moon will take place while the moon is at perigee, the point of the moon's orbit when it is at its closest position to the Earth. This event is often called a Supermoon as the moon will appear to be slightly bigger in the sky.

Lahaina Noon refers to the days when the sun passes exactly overhead during solar noon; at this time objects with smooth sides will appear to cast no shadow. These events can only be observed in the tropics and your latitude within the tropics will affect when the Lahaina Noon will occur. In Honolulu, Lahaina Noon will occur on July 15th & July 26th at 12:37pm. Hilo's Lahaina Noon will occur on July 23rd at 12:26pm.



‘IMILOA

Astronomy Center of Hawai'i

STAR NAME CREDIT: POLYNESIAN VOYAGING SOCIETY ARCHIVES