

## Workshop 10

1. Can the Kuntunse 32 m dish with an aperture efficiency of 0.6 operating at 5 GHz with a 50 MHz bandwidth and a system temperature of 70K detect the Orion nebula?
2. Can the Kuntunse dish operating at 6.7 GHz with 0.1  $\text{kms}^{-1}$  spectral channels detect the methanol maser line in G9.62+0.20E?
3. Use the information on astronomical coordinate systems in the handout to work out which parts of the galactic plane ( $b \sim 0^\circ$ ) will be observable from Kuntunse during the observing period in January 2016 if we are restricted to observing at elevations  $>30^\circ$  and at which times of day they will be observable.