

Choosing a Source

- Where is the source (RA,DEC)?
- How big is the source (arcseconds)?
- How bright is the source (Jansky)?
- Is this continuum or spectral line?
- If spectral line, what is the line width (km/s)?
- Which waveband (3mm, 1mm, 1cm)?
- Which array configuration (CARMA-15, CARMA-8, CARMA-23)?

Beam size and sensitivity

- Each project will get about 5 hours.
- In this time, at 3mm, CARMA-15, E-array
 - Synthesized beam size $\sim 10''$, FOV $\sim 70''$
 - a continuum sensitivity of about 0.25 mJy/beam is achievable
 - A 1 km/s spectral channel achieves about 35 mJy/beam (33 mK) one sigma sensitivity
- 1cm, CARMA-8, SL-array
 - Beam $\sim 120''$, FOV $\sim 590''$
 - Continuum 1 sigma sensitivity ~ 0.5 mJy/beam