

NCP Imaging

Following the method of Ue-li Pen's Paper (prototype of 21CMA):

(1) 24-hour data, one baseline first

(2) RFI removing

- * Throw out the frequency channels with obvious RFI
- * Subtract the 4-hour average at each frequency channel

(3) UV gridding & imaging

- * UV coveraging ----> synthetic beam
- * Visibility plane -----> sky map

(4) Multiply a phase factor to visibility data, tune this factor to minimize the imaginary part of sky map (calibration)





