Radiotelescope Observations 24 jan. 2013 Schedule

	team A:			
team B :	team B :			

Start	Team A	Team B
09:00	D : sky profile	H: MWG rot.curve
09:45	H: MWG rot.curve	D : sky profile
10:30	D : sun	H: sun with offsets
11:15	H: sun with offsets	D : sun

- Homework: each one writes up a summary of the observations, analysis, and results
- Haystack can operate in simulation mode only. You will get original observational data from Milky Way, if you like.
- The observation times given in the following text are only suggestions! Please feel free to make your own decisions and experiment!!!

Dresden: sun → determine solar temperature and radio flux. (Homework: Compare flux with NOAA data)

- 1. 5 min calibration
- 2. 15 min half-scan, followed by sky
- 3. 5 min calibration
- 4. Second attempt, or try full-scan ...

Dresden: sky → separate receiver noise level from atmospheric noise. (Homework: Correct solar temperature)

- 1. 7 min calibration
- 2. 7 min sky @ EL=10°
- 3. 7 min sky @ EL=20°
- 4. 7 min sky @ EL=30°
- 5. 7 min sky @ EL=60°
- 6. 7 min calibration

Haystack: sun with offsets → determine solar temperature and radio flux, and telescope's HPBW. (Homework: Compare flux with NOAA data)

- 1. 1 min calibration @ ISU
- 2. 5 min sun: map
- 3. 1 min sun (tracked)
- 4. 1 min each: offset in AZ=3°, 6°, 9°, 12°, ... PLEASE try your own sequence of angles!
- 5. 1 min each: offset in EL=3°, 6°, 9°, 12°, ...
- 6. 1 min sky @ AZ=40° east of sun
- 7. 1 min calibration @ ISU

Haystack: MWG → determine rotation curve

4 min for each for any 13 positions: G80 ... G20