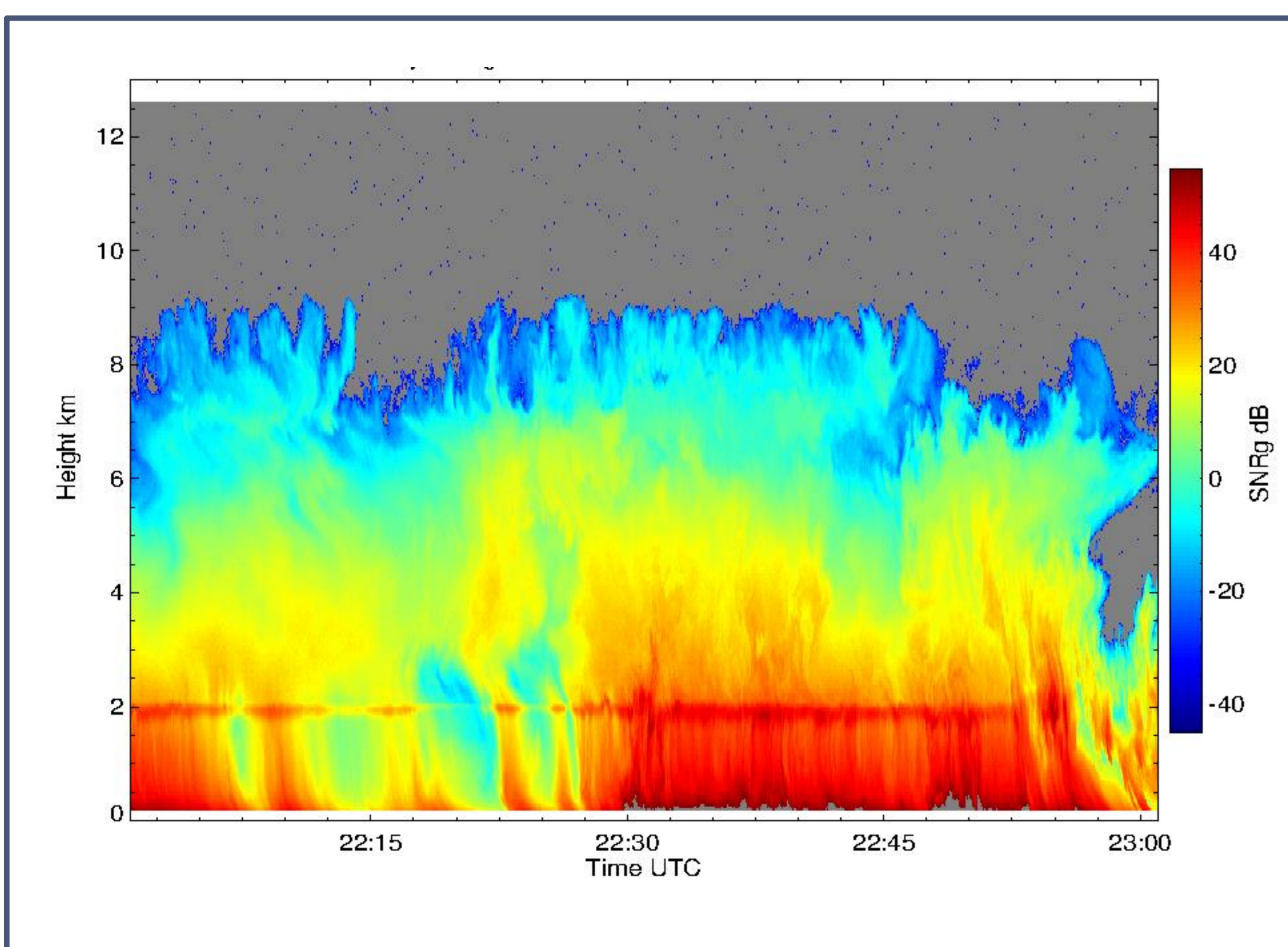


Vertically pointing Cloud Radar MIRA-10



- Long term observation of clouds and rain
- Profiles of doppler spectra with high resolution up to 4096 FFT-points excellent quality of spectra (70dB in-spectrum dynamic range)
- Derivation of mean velocity and spectral width, and skewness
- Very high time resolution (>0.1 seconds)
- Solid-state amplifier operating in pulse-mode (800 W peak power) or pulse-compression mode (averaged power up to 50 W)
- Vertical pointing antenna with 45dBi gain and 2,40m antenna diameter
- Sensitivity:
pulse mode: -23,8dBz (at 5km height, 2 seconds averaging, 30m range resolution), by pulse compression mode up to 11dB more sensitivity can be achieved
- Range resolution:
pulse mode: 15-60m (100-400ns pulse length)
pulse compression mode: 5-36m (<5 μ s pulse length)
- Possibility to save IQ-data