

Post-EPS Candidate Missions

Radio Occultation Sounding

Objectives

- refractivity profiles at high vert. resolution
- **temperature / humidity profiles**
- PBL top and tropopause height
- ionospheric electron content

Heritage

- GRAS, COSMIC

Baseline performance:

- GRAS (instrument), COSMIC (coverage)

Breakthrough

- > 4000 occultations per day
- tracking GPS and Galileo

Implementation

- ESA development for Post-EPS satellites

