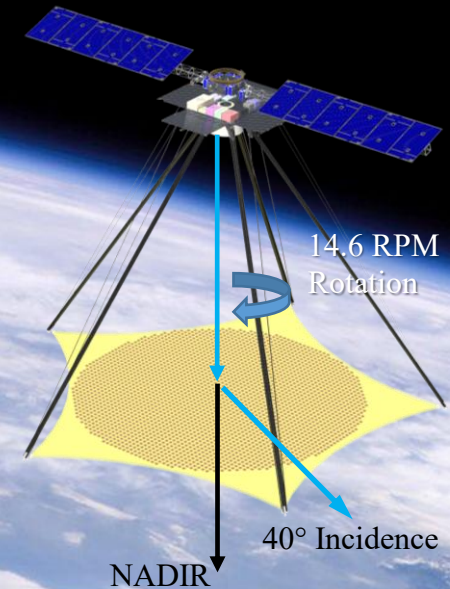


The Global L-band Observatory for Water Cycle Studies (GLOWS): Simultaneous Active and Passive Winds

David G. Long, Rajat Bindlish, and Mark Bailey

IOVWST Meeting May 2026

- **GLOWS is L-band follow-on to SMAP**
 - Radiometer + High resolution Radar
 - 2.6 km, 6 km, 36km quad-pol radar
 - Soil moisture, salinity, sea ice
 - High winds, rain insensitive
- Meta-material lens antenna
- SMAP-like performance
- Daily global coverage
- Small, low-cost



Size comparison



IFOV comparison

