

Science of 10-km Resolution L-band Radiometry Workshop



JPL
October 10-12, 2023



Welcome by Dr. Duane Waliser
Chief Scientist, JPL Earth Science and Technology Directorate

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Little Perspective

- The potential of L-band (1.4 GHz) radiometer measurements were recognized already in the 1970's
- Only 14 years ago, 2009, there were still no spaceborne L-band radiometers mainly because of the challenge imposed by the required large aperture
- Since then, with the ESA and NASA missions, the original main applications SM & SSS were proven; interferometry demonstrated; large, deployable, spinning reflector demonstrated; RFI challenges found and tackled -- but also so much more was found...
- L-band radiometry has been a success, and we need to raise awareness of its potential to answer future needs of understanding Earth System
- The next step is extra challenging because of the required even larger aperture; this is why we want to take extra care in laying a solid science foundation for the next generation

Organizing Committee

- Wade Crow, USDA
- Dara Entekhabi, MIT
- Severine Fournier, JPL
- Joel Harper, U. Montana
- Thomas Holmes, GSFC
- John Kimball, U. Montana
- Tony Lee, JPL
- Ted Maksym, WHOI
- Steven Quiring, Ohio State
- Alexandre Roy, U. Quebec

Logistics

- Refreshments – at the back
- Restrooms – at the back
- Lunch – on your own in the cafeteria
- Escorting – visitors without NASA PIV card
- WiFi – guest account/passwd & eduroam
- Webex – chat will be recorded
- Virtual experience – the meeting was not designed as a hybrid
- Presentations
- Breakouts
- Feedback

Thanks

- JPL Earth Science Office (8x) and particularly the Formulation Office (830)
 - Frank Webb & colleagues
- JPL Center for Climate Sciences
 - Margaret Srinivasan, Wing Sze Lui-Small, Kristy Kawasaki, Joao Teixeira
- JPL Microwave Instrument Science group and the 38 organization
 - Shannon Brown, Veronica Villareal
- Organizing Committee
- Presenters
- Attendees