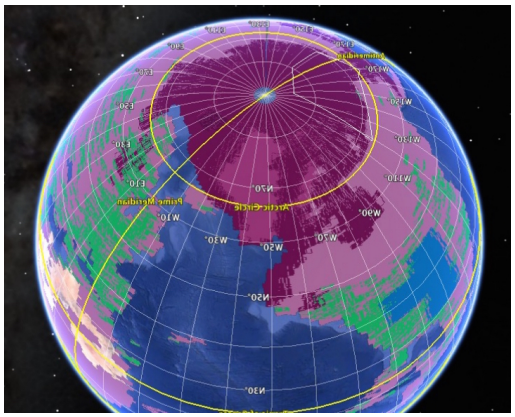

NISAR Applications Workshop: Sea-Ice

Friday, June 23, 2017
8:00 AM – 5:00 PM

NOAA/STAR
NOAA Center for Weather and Climate Prediction
5830 University Research Court,
College Park, MD 20740

NASA-ISRO Synthetic Aperture Radar (NISAR) is a mission that will map much of the Earth's land and polar areas with a high-resolution, multiple-polarization, L-band SAR built by NASA. The instrument payload will also include an S-band SAR provided by the Indian Space Research Organization (ISRO). One mission science goal is measurement of the Earth's cryosphere. Given the extent of NISAR coverage of the Arctic and Antarctic, there is the opportunity for both scientific and operational uses of these data.

This workshop focuses on sea-ice measurements. Representatives of the NISAR mission will describe NISAR capabilities and constraints. There will be several talks outlining potential operational and scientific applications of NISAR data.

The purpose of the workshop is to advise the NISAR mission on issues of mode of operation, coverage, latency, and other factors that influence the applicability of these data to sea-ice measurements and operational products, and to develop collaborations that increase the utility of the NISAR mission's data for sea ice applications.

Please indicate your intention to attend to Frank Monaldo (frank.monaldo@noaa.gov) or 301-683-3316. Foreign nationals are welcome, but please indicate this status at least two weeks before the meeting.

Final Agenda

Friday, June 23, 2017

8:00 AM – 8:30 AM	Arrival & Sign-In
8:30 AM – 9:30 AM	Overview of NISAR Mission
	NISAR Mission, *Paul Rosen, JPL*
	NISAR Coverage, *Paul Rosen, JPL*
	NISAR Products and Latency, Maher Hanna, *JPL*
9:30 AM – 9:45 AM	U.S. National Ice Center Mission, *LCDR Colin Thornton*
9:45 AM – 10:00 AM	*Break*
10:00 AM – 10:45 AM	National Ice Center Operations & Users of SAR *Sean Helfrich: Operations at the NIC* *Chris Jackson: Sentinel processing, possible products*
10:45 AM – 11:30 PM	Sentinel & Radarsat 2+ coverage, *Yves Crevier: (Discussion of Radarsat-2 and RCM)* *Frank Monaldo: Slides showing Sentinel-1 coverage*
11:30 PM - 12:45 PM	Lunch Break & *Sabrina Delgado Arias: ICESAT-2 Early adopter experience*
12:45 PM – 2:45 PM	Sciences talks *Andy Mahoney* *John Yackel* *Alexander Komarov: Automated detection of ice and open water from RADARSAT-2* *Mary Keller: Active/Passive Dual Polarization Sea Ice Detection* *Jia Wang*
3:00 PM – 4:00 PM	Breakout Session 1: Operations Priorities – *Frank Monaldo*
3:00 PM - 4:00 PM	Breakout Session 2: Science Priorities, *Ben Holt and Cathleen Jones.*
4:00 PM - 5:00 PM	Joint Session to outline feedback to the NISAR mission (*coverage, latency, products, modes*)
5:00 PM	*Adjourn*

Logistical Information

WiFi

WiFi will be available. The network name is "noaaguest". Once there, your browser should be redirected to a page that requests your e-mail address. Fill this in and click "Accept" and you should be connected. Note: You must click "Accept". Pressing RETURN on your keyboard after you enter your e-mail address does not work.

Lunch

For convenience, we will have box lunches brought in from NOAA's cafeteria. The link below will allow you to choose what you would prefer for lunch and pay online. There are accommodations for common dietary restrictions. There is a field where you can type more specific dietary comments. The cafeteria would prefer if you could make you make your choice as early as possible. A day or so before the meeting would be best.

https://kloudcafe.wufoo.com/forms/nisar-seaice-workshop/
(copy and paste link if you cannot connect by clicking on it)

WebEx

For those would like to participate remotely, below is the WebEx information:

Topic: NISARAPP
Date and Time:
Friday, June 23, 2017 8:00 am, Eastern Daylight Time (New York, GMT-04:00)
Event number: 991 398 098
Event password: NISAR
Event address for attendees: https://star-nesdis-noaa.webex.com/star-nesdis-noaa/onstage/g.php?MTID=e337a8d581b124e686eda3500ab11a455
Event address for panelists: https://star-nesdis-noaa.webex.com/star-nesdis-noaa/onstage/g.php?MTID=e86129d36f6fc40e79e26f08098db6871

Audio conference information

1-866-718-1074
passcode:5187035