VIIRS CRYOSPHERE SESSION

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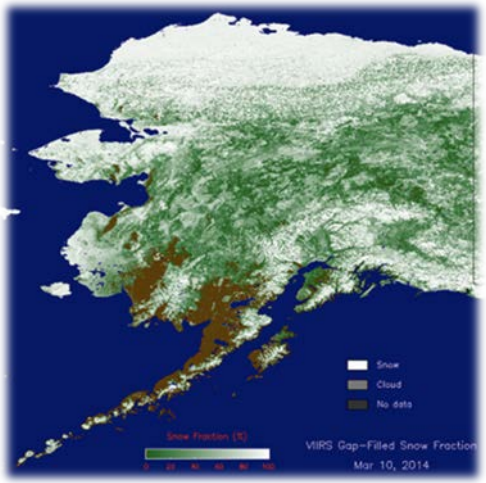
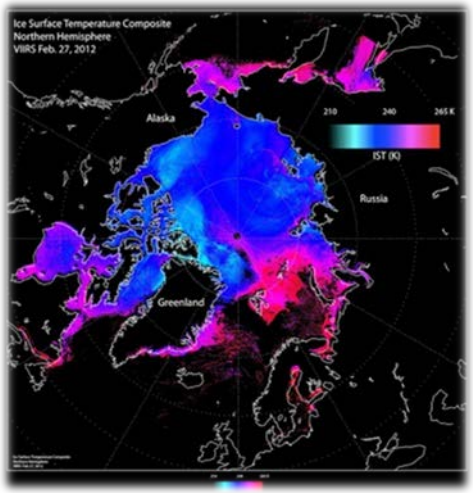
VIIRS Operational Products

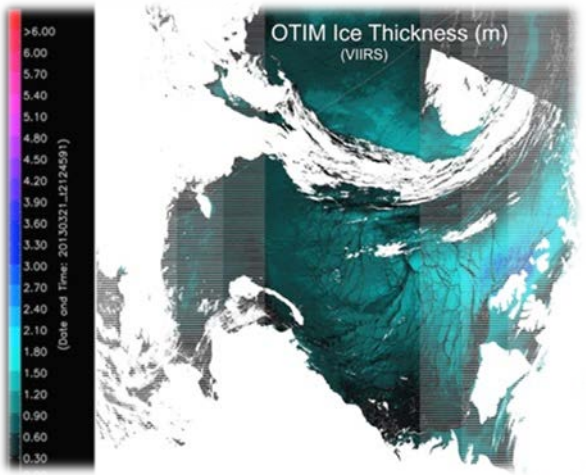
Snow Fraction



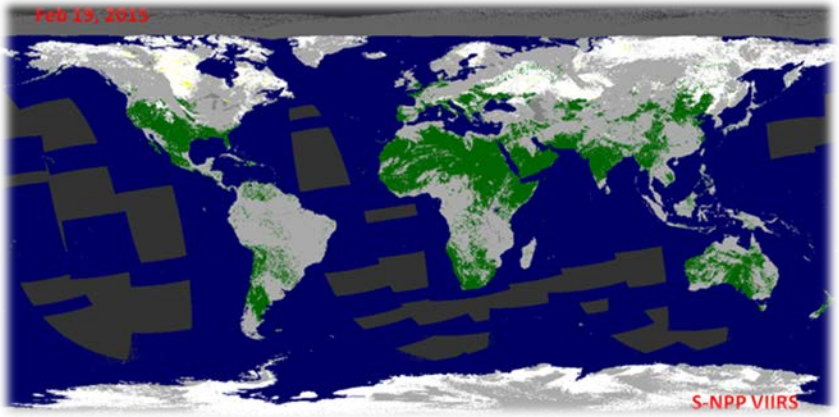
Ice Surface Temperature



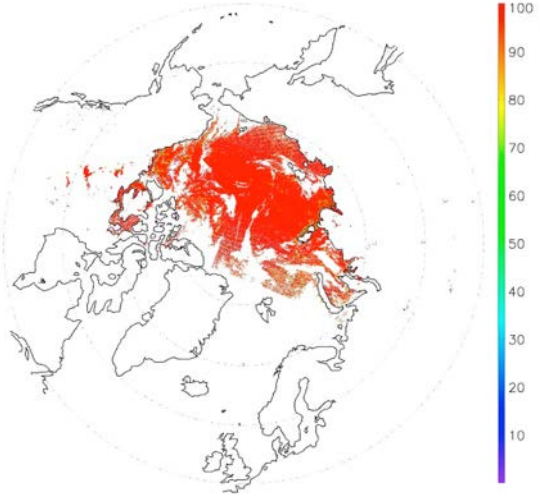
Ice Thickness/Age



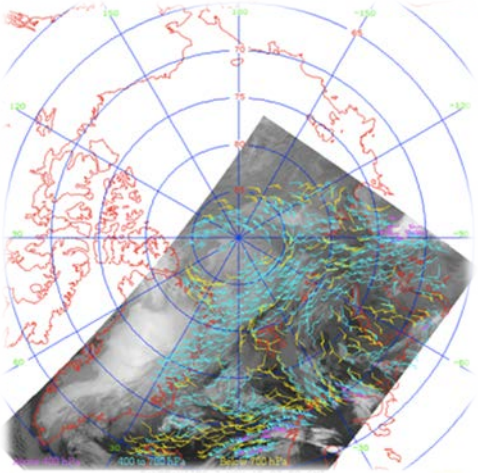
Snow Cover (binary)



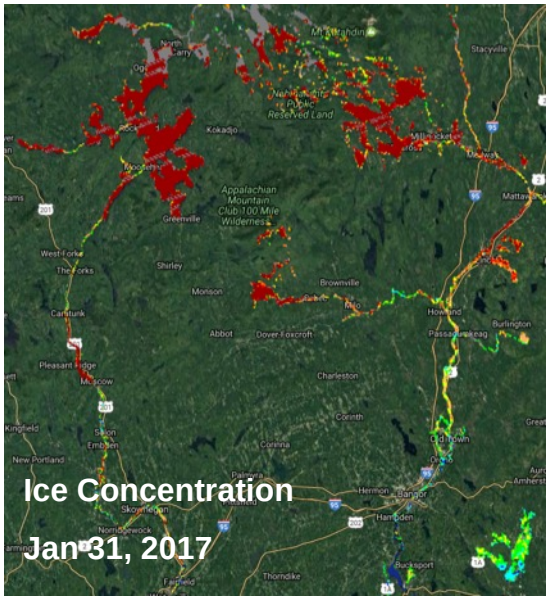
Ice Concentration



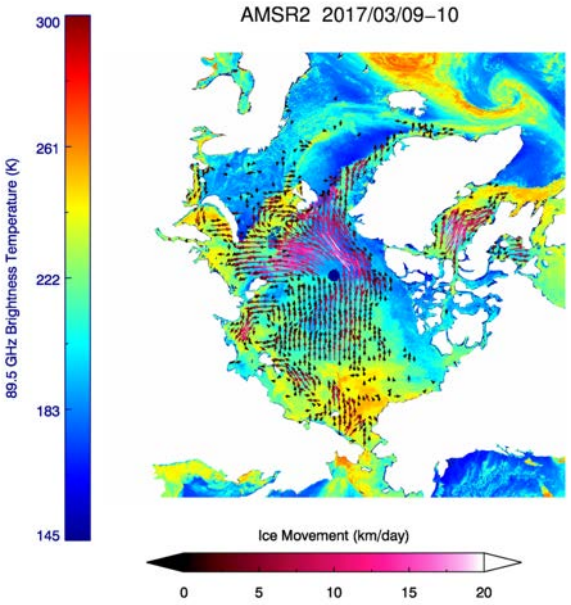
Polar Winds



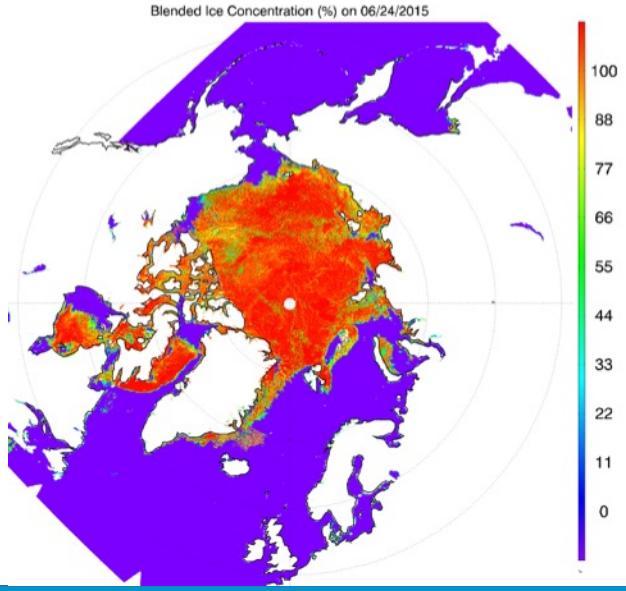
Experimental Products



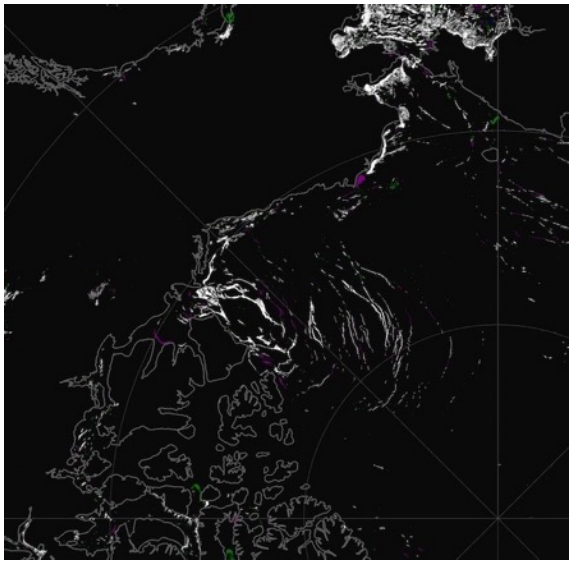
River Ice



Ice Motion



Blended Ice Concentration

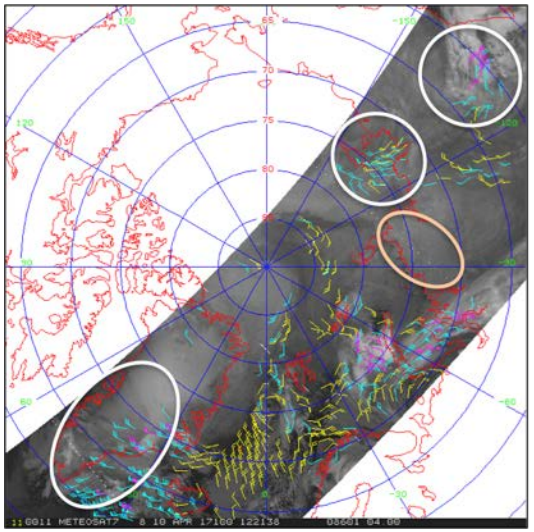


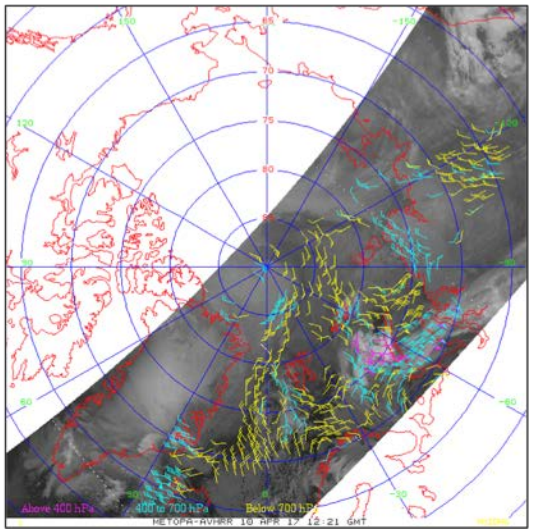
Sea Ice Leads

Experimental Products, cont.

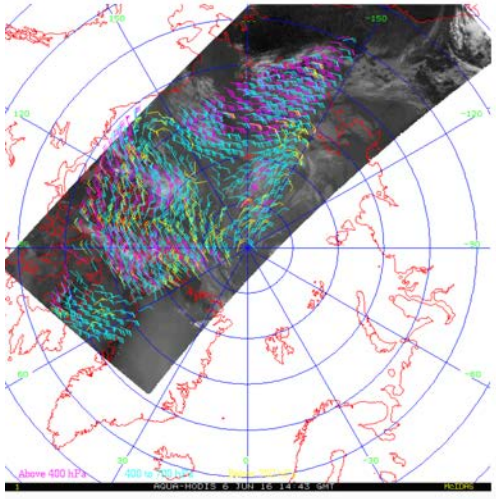
Winds from combined S-NPP and JPSS-1

Far right: Single-satellite AVHRR winds. Right: Winds from Metop-A and –B.

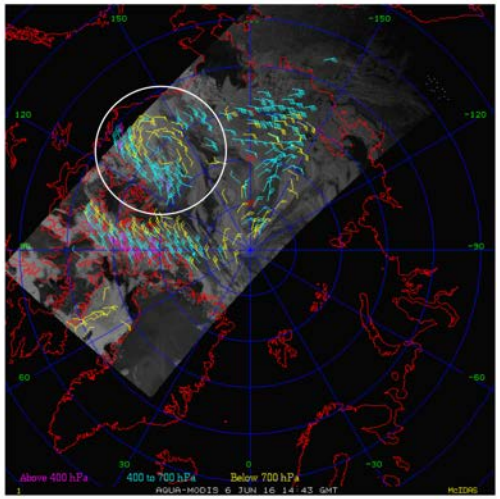




WV + IR



SWIR



Polar winds with the SWIR band

Agenda

13:15 Introduction and welcome –Jeff Key (NOAA/STAR)

1. Enterprise and Operational Products

13:20 Binary snow cover and snow fraction – Peter Romanov (CREST)

13:45 Sea ice surface temperature - Mark Tschudi (CU/CCAR/CIRES)

14:00 Sea ice concentration – Yinghui Liu (CIMSS)

14:15 Sea ice thickness and age – Xuanji Wang (CIMSS)

14:30 Polar winds – Jeff Key

14:35 Discussion: IDPS to NDE transition issues - All

Agenda, cont.

2. New and Experimental Products

14:45 River ice – Peter Romanov

15:00 **Break (15 min)**

15:15 Sea ice motion – Aaron Letterly (CIMSS)

15:30 Blended sea ice concentration – Yinghui Liu, Sean Helfrich (STAR)

15:45 Sea ice leads – Jay Hoffman (remote) (CIMSS)

3. Applications of JPSS cryosphere products

16:00 NCEP – Mike Ek

16:15 NAVO – Bruce McKenzie

16:30 National Ice Center – Sean Helfrich

16:45 Open discussion and wrap-up – All

17:00 **End of session**

River and lake ice

Ice sheets,
ice caps,
ice shelves

Sea ice

Permafrost and
seasonally-frozen
ground

Snow

Glaciers

Global Cryosphere Watch