

# SELECTED RESULTS: SNOW RESEARCH SUPPORTING NOAA'S MISSION IN ALASKA

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VLADIMIR ALEXEEV

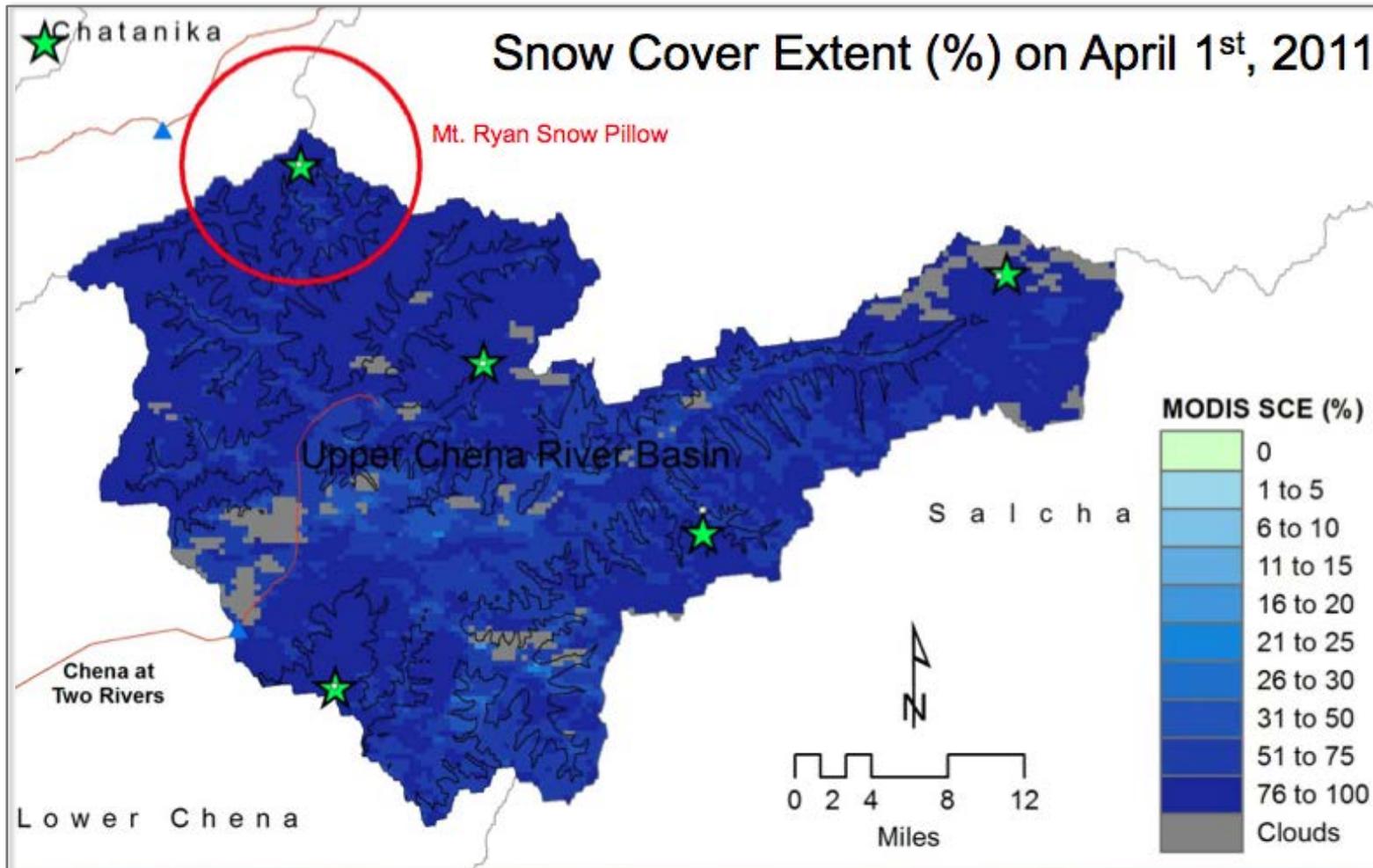
*UNIVERSITY OF ALASKA FAIRBANKS*

# TWO PROJECTS DISCUSSED TODAY:

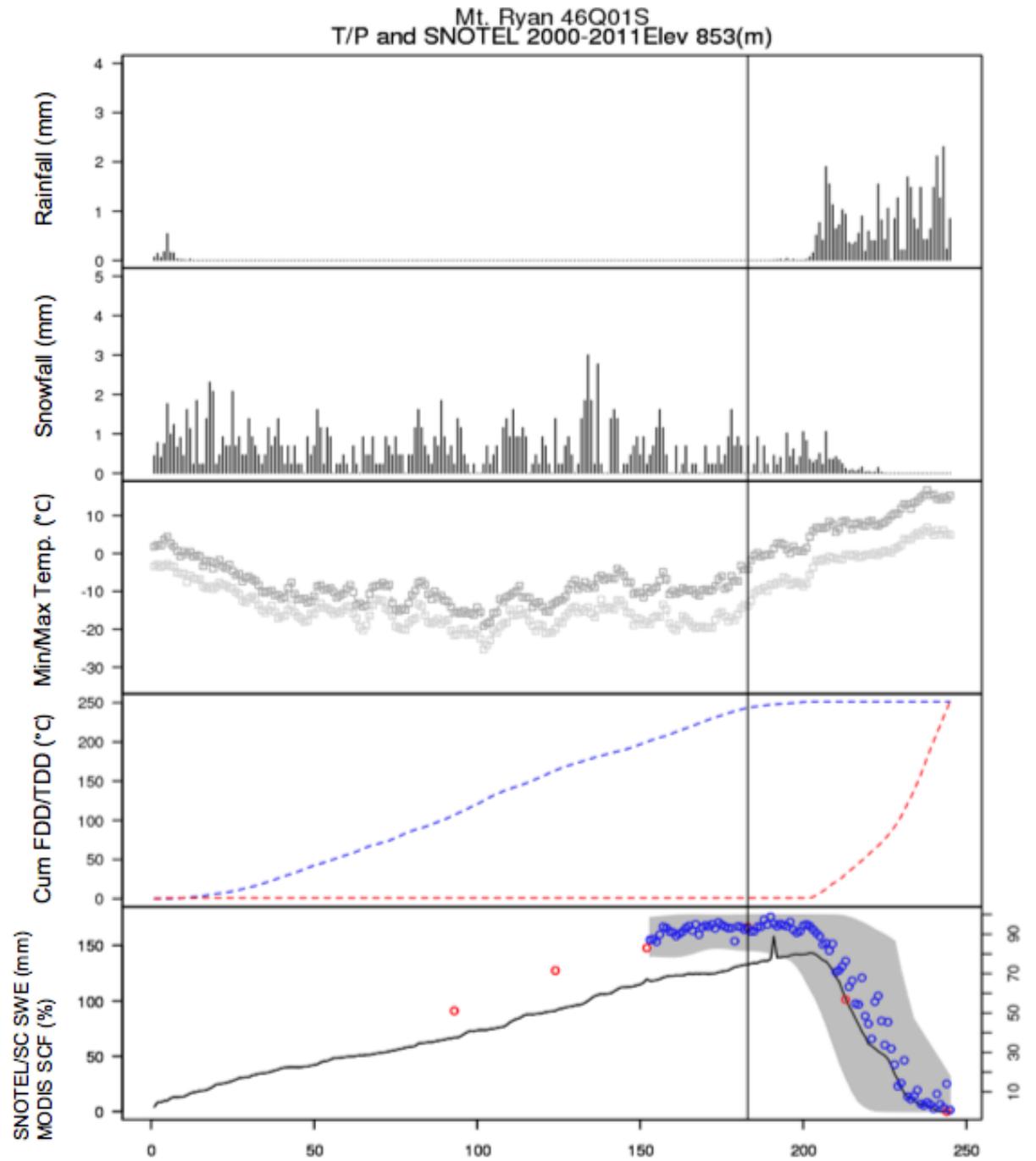
**MODIS For Snow Covered Area in SNOW-17 for AKRFC**

**Blowing Snow Probability Index for AK WFO's**

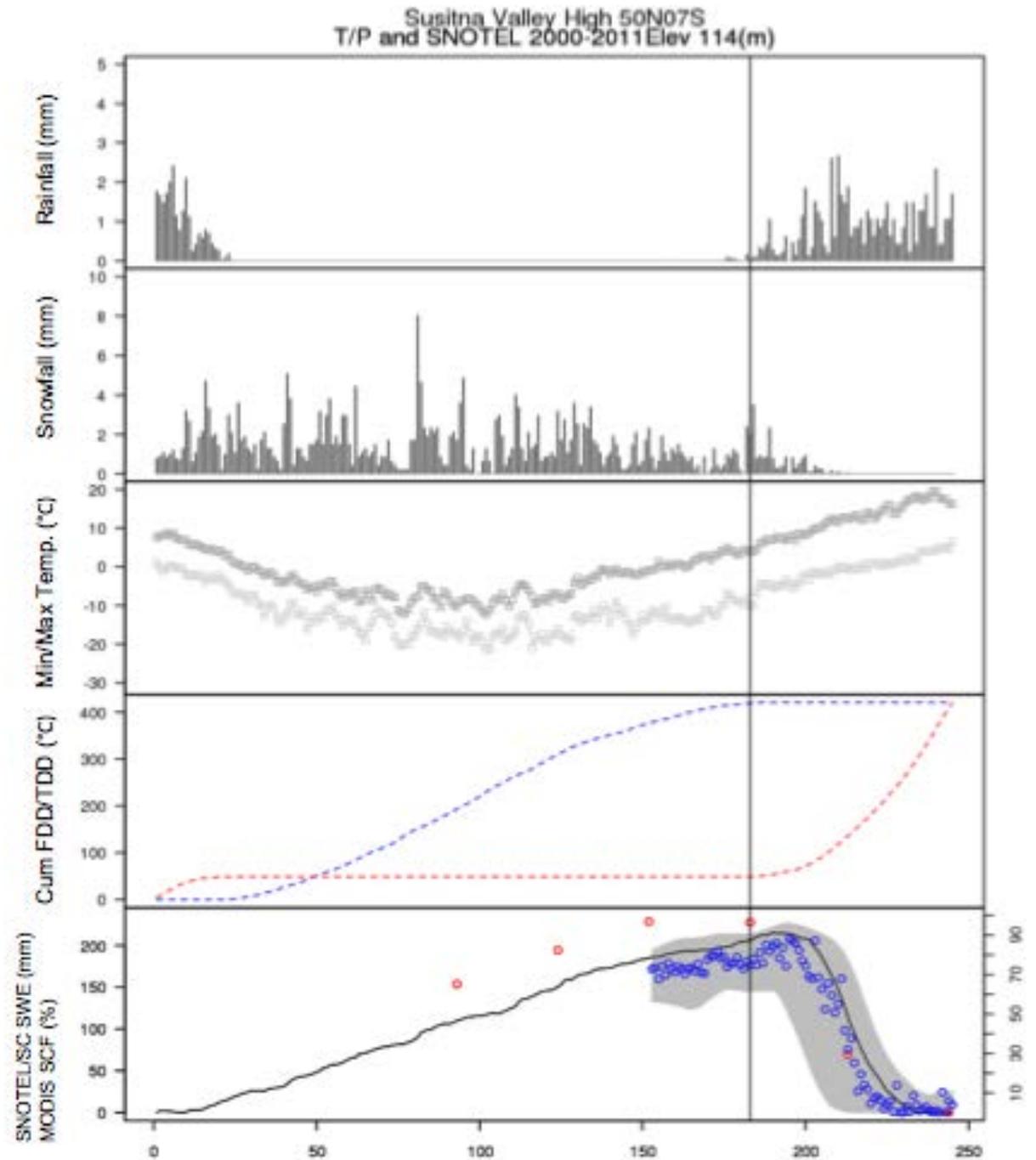
# UAF AND APRFC: MODIS FOR SNOW



# EXAMPLE: MT. RYAN



# EXAMPLE: SUSITNA



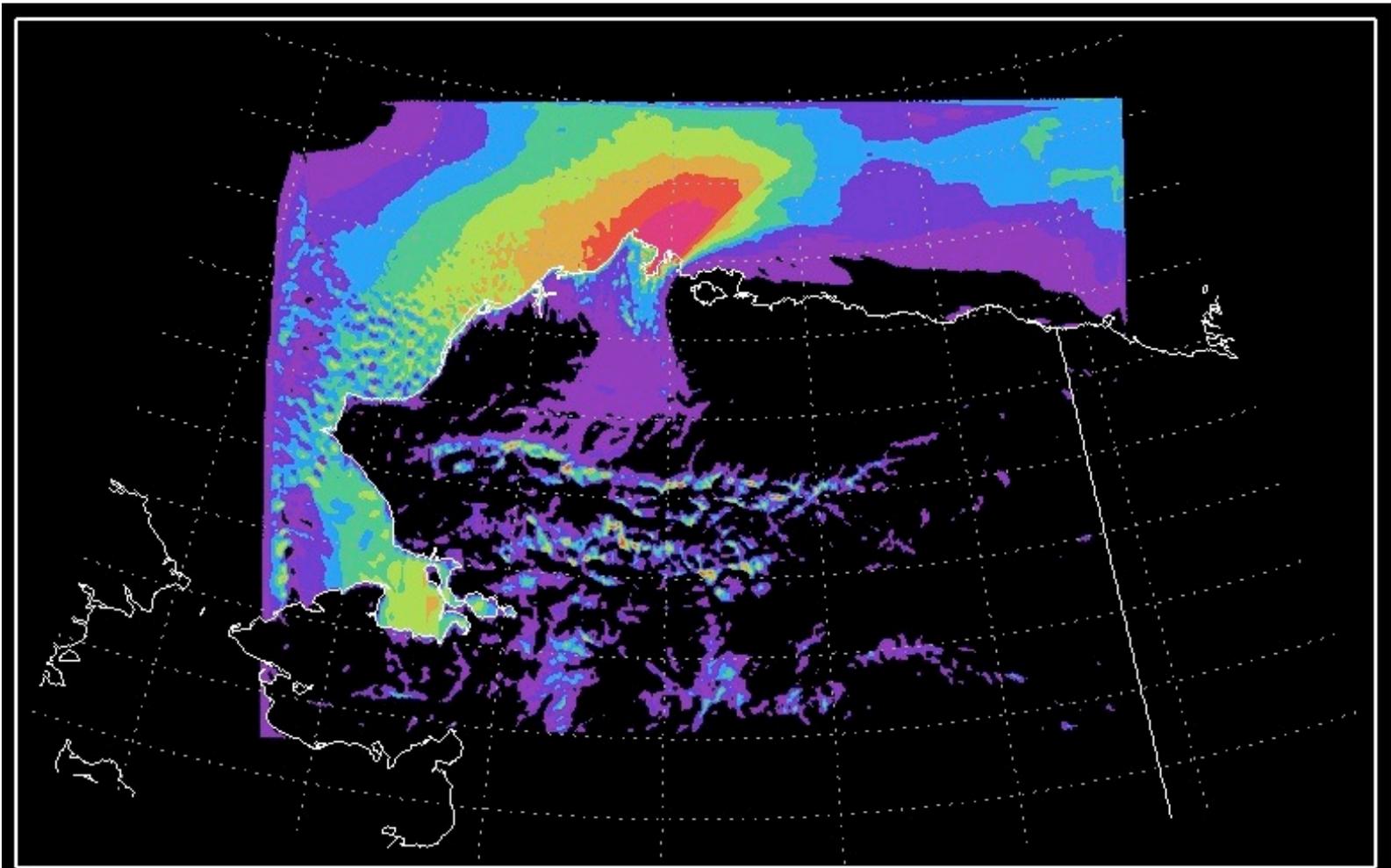
# UAF AND APRFC: MODIS FOR SNOW

**Now have historical JPL MODSCAG processed for Alaska,  
Repeating snow depletion analysis with MODSCAG**

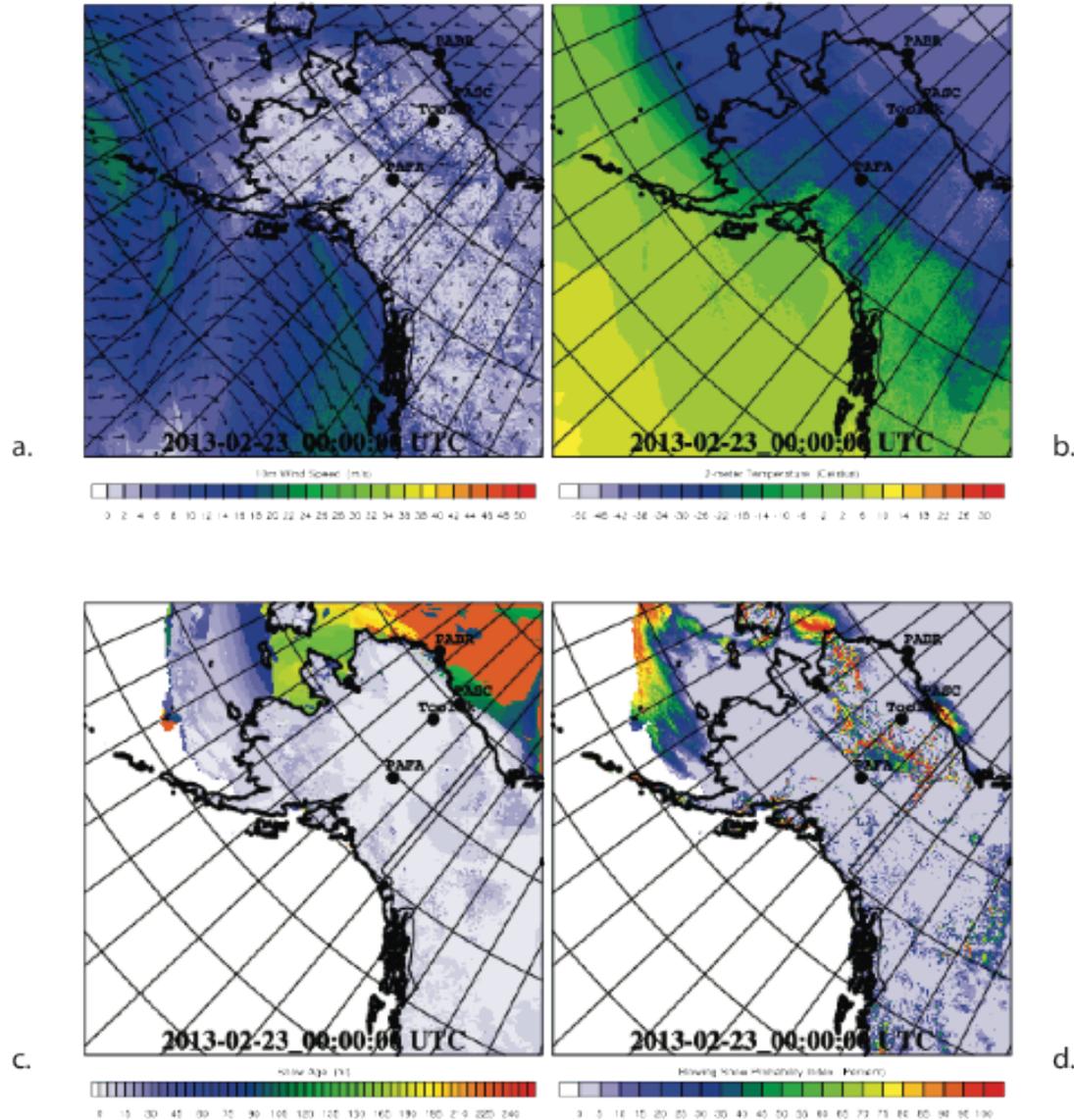
**Working with APRFC to implement remote sensing derived  
snow depletion in SNOW-17, compare the GODDARD and  
JPL estimates of SCA**

**Bi-monthly discussions with NOHRSC, GINA, and SPoRT**

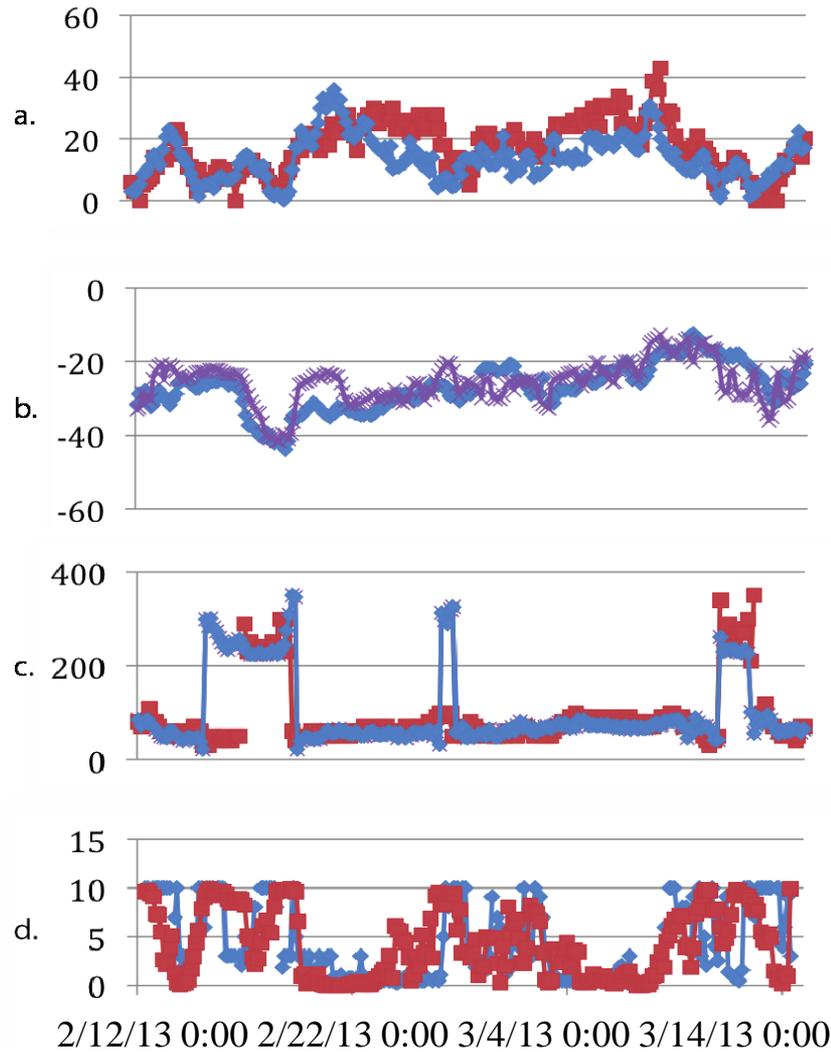
# UAF AND AK WFO: BLOWING SNOW PROBABILITY INDEX



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# NEXT: LOOKING TO ADD A REMOTE SENSING COMPONENT

**Want to distinguish blowing snow from low cloud and fog**



# QUESTIONS?

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