

High Latitude Proving Ground

Eric Stevens, UAF/GINA

Recent Activities

- December 15 JPSS Science Seminar, “The Cold and the Dark: JPSS and the Cryosphere” in collaboration with Jeff Key at CIMSS and Mary-Beth Schreck of the NWS Ice Desk in Anchorage
- Two posters at last week’s AMS meeting
 - Describing the Cold Air Aloft issue
 - Describing efforts to improve local WRF modeling of Cold Air Aloft

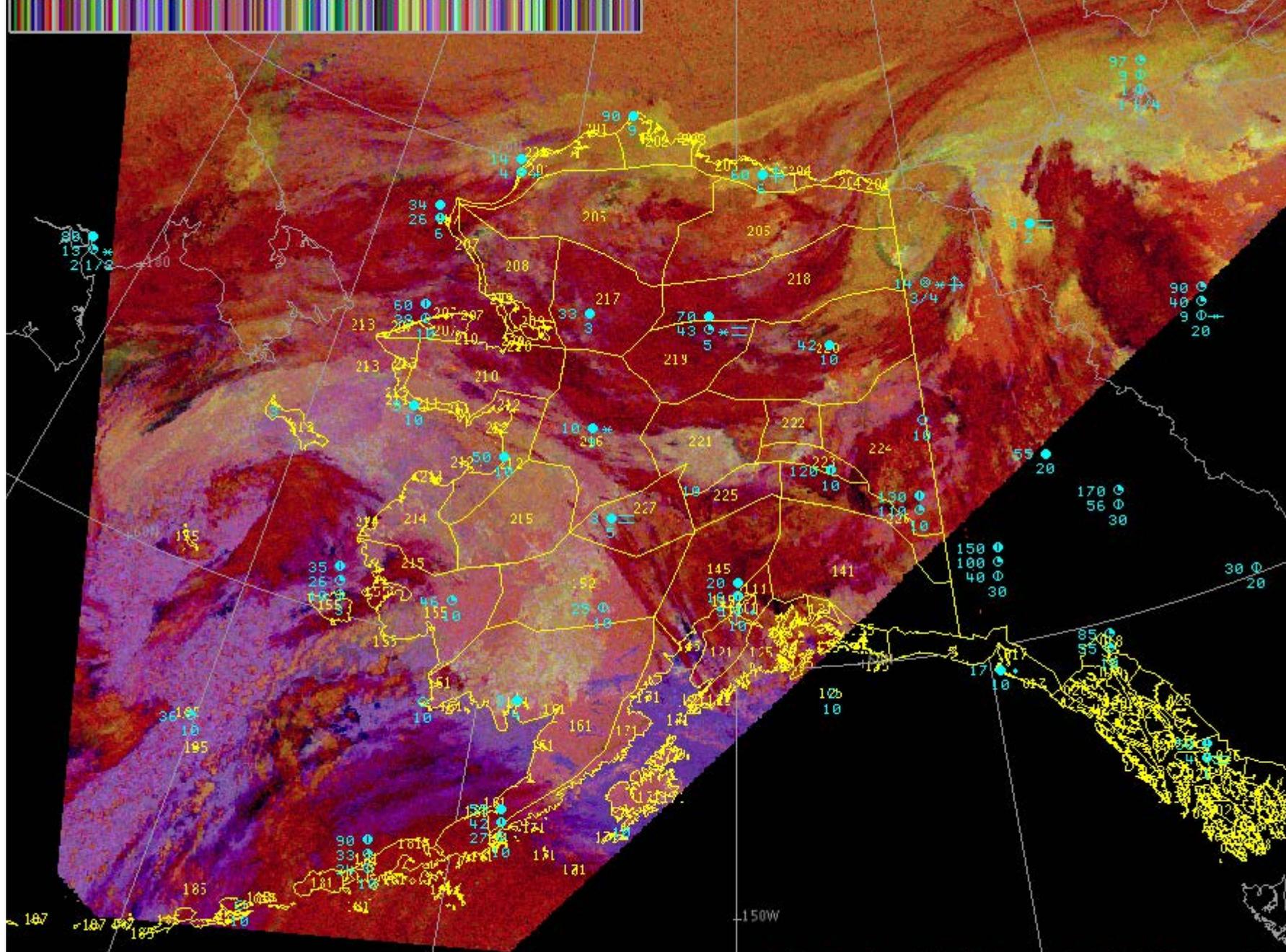
USCG Rescues Mariner in Sailboat Trapped in Ice North of Barrow



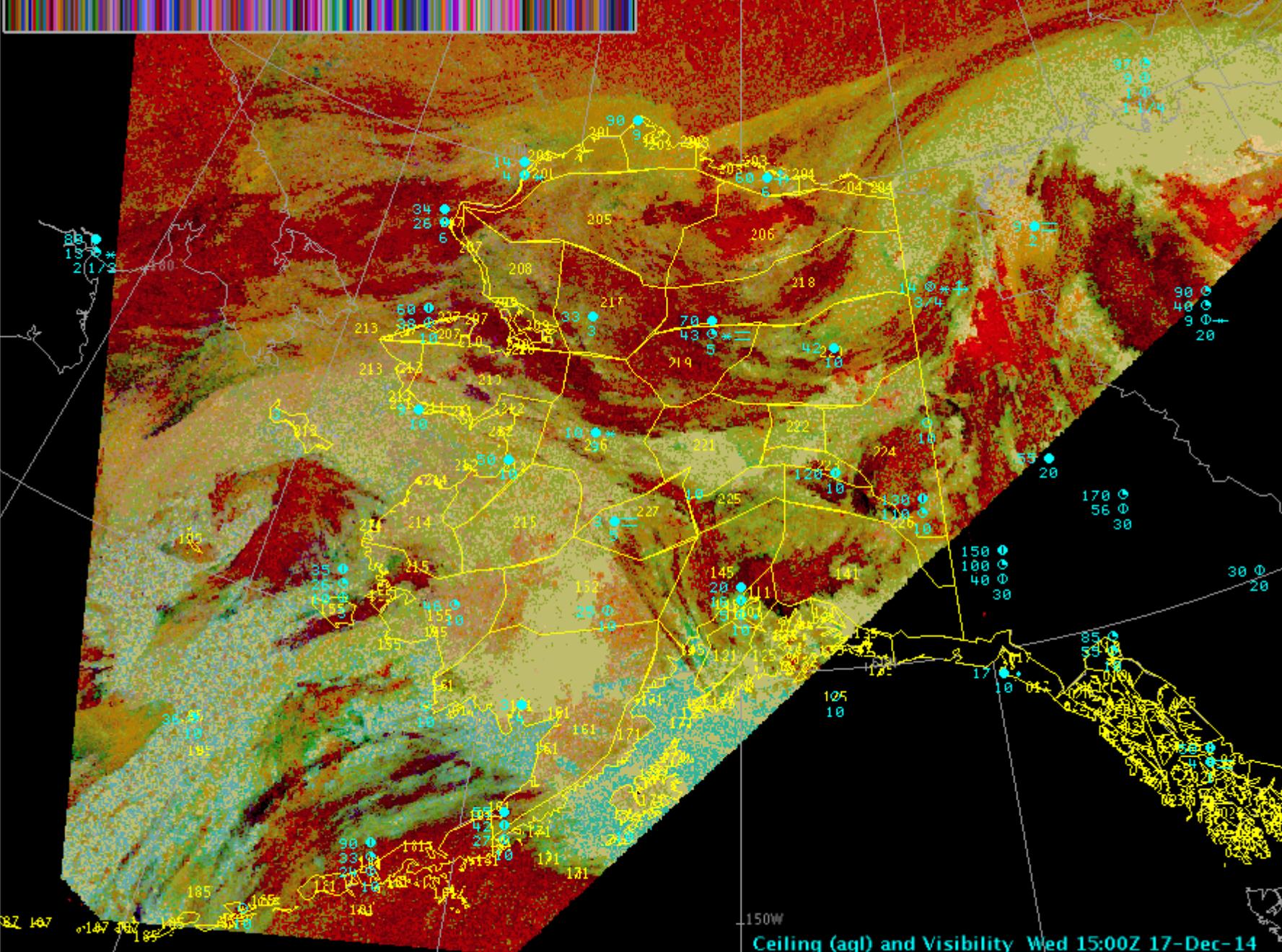
WFO Anchorage sea ice forecasters provided “phenomenal weather products” that proved key to USCG decision makers, said Rear Adm. Dan Abel, commander, 17th Coast Guard District.

Upcoming Activities

- Evaluation of NASA/SPoRT's RGB 24hr Microphysics product by NWS Alaska
 - January 15th through February 28th
 - By extension, also includes SPoRT's RGB NT Micro
- Continuing work with Cold Air Aloft
- GMU and CCNY river products to be used in Alaska again during breakup, 2015
- Working to deliver Alaska Fire Service fire-related VIIRS products in time for 2015 fire season
- JPSS LOIs this week
- OCONUS Meeting in Anchorage, week of May 11-15



Ceiling (agl) and Visibility Wed 15:00Z 17-Dec-14
 [SPoR] All Hands Call Nighttime Microphysics RGB Wed 14:27Z 17-Dec-14
 * [SPoR] MODIS Nighttime Microphysics RGB Wed 14:58Z 17-Dec-14



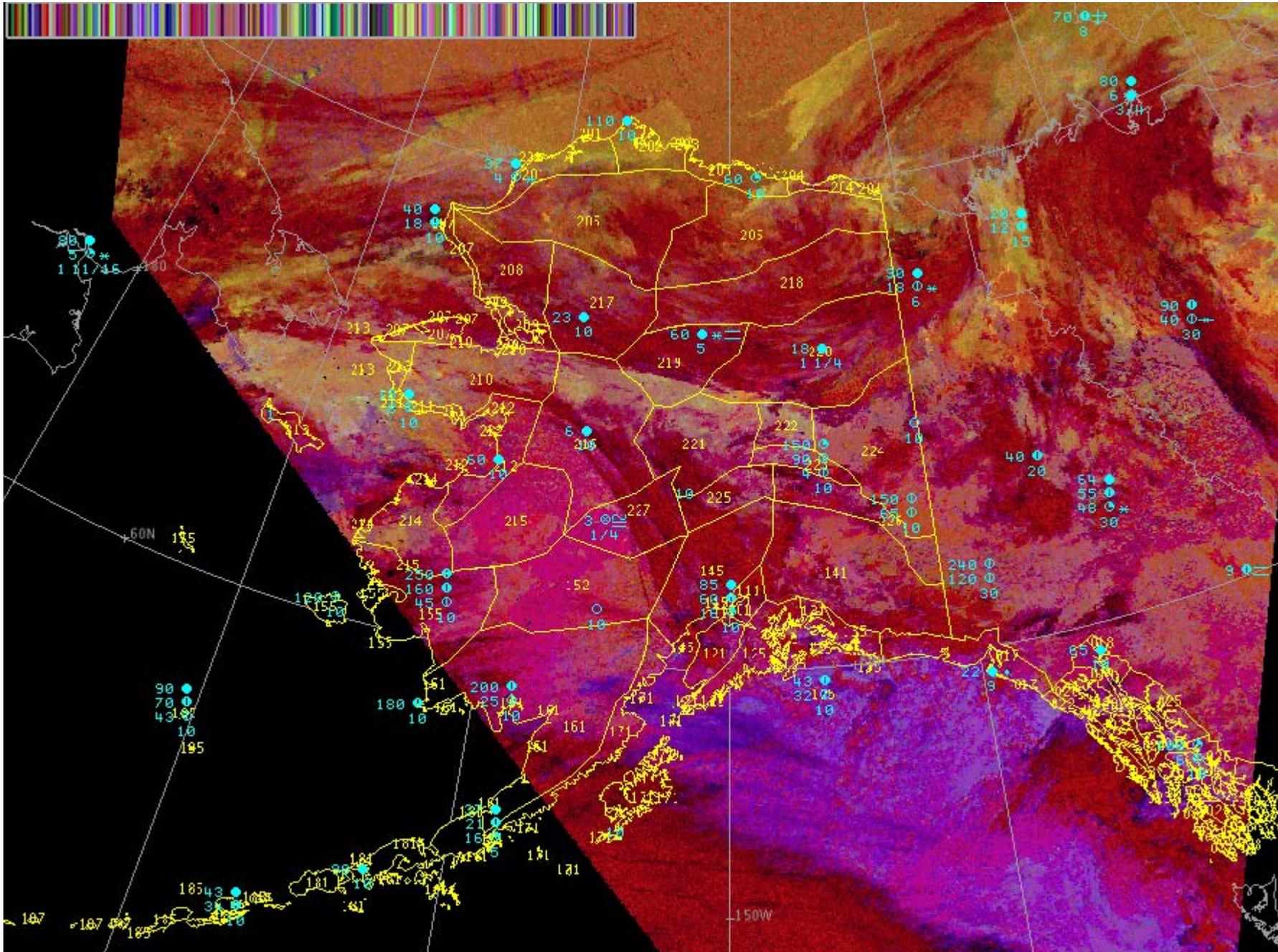
Ceiling (agl) and Visibility Wed 15:00Z 17-Dec-14

METAR/Maritime/LDAD Wed 15:00Z 17-Dec-14

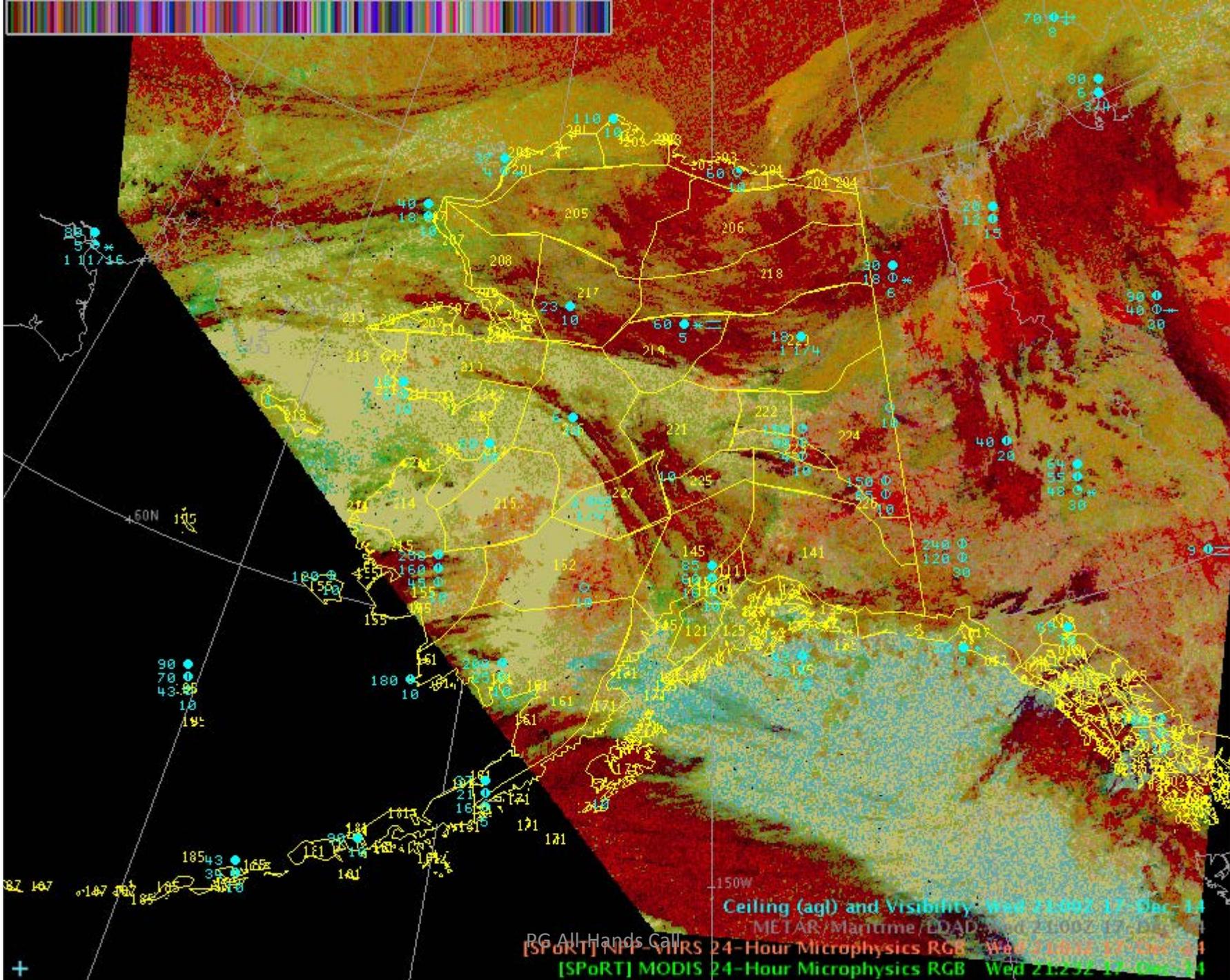
[SPoRT] MODIS 24-Hour Microphysics RGB Wed 14:27Z 17-Dec-14

[SPoRT] MODIS 24-Hour Microphysics RGB Wed 14:58Z 17-Dec-14

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PG All-Hands Call
 Ceiling (agl) and Visibility Wed 21:00Z 17-Dec-14
 [SPoRT] NPP - VIRS Nighttime Microphysics RGB Wed 21:03Z 17-Dec-14
 * [SPoRT] MODIS Nighttime Microphysics RGB Wed 21:23Z 17-Dec-14



Ceiling (agl) and Visibility: Wed 21:09Z 17-Dec-14

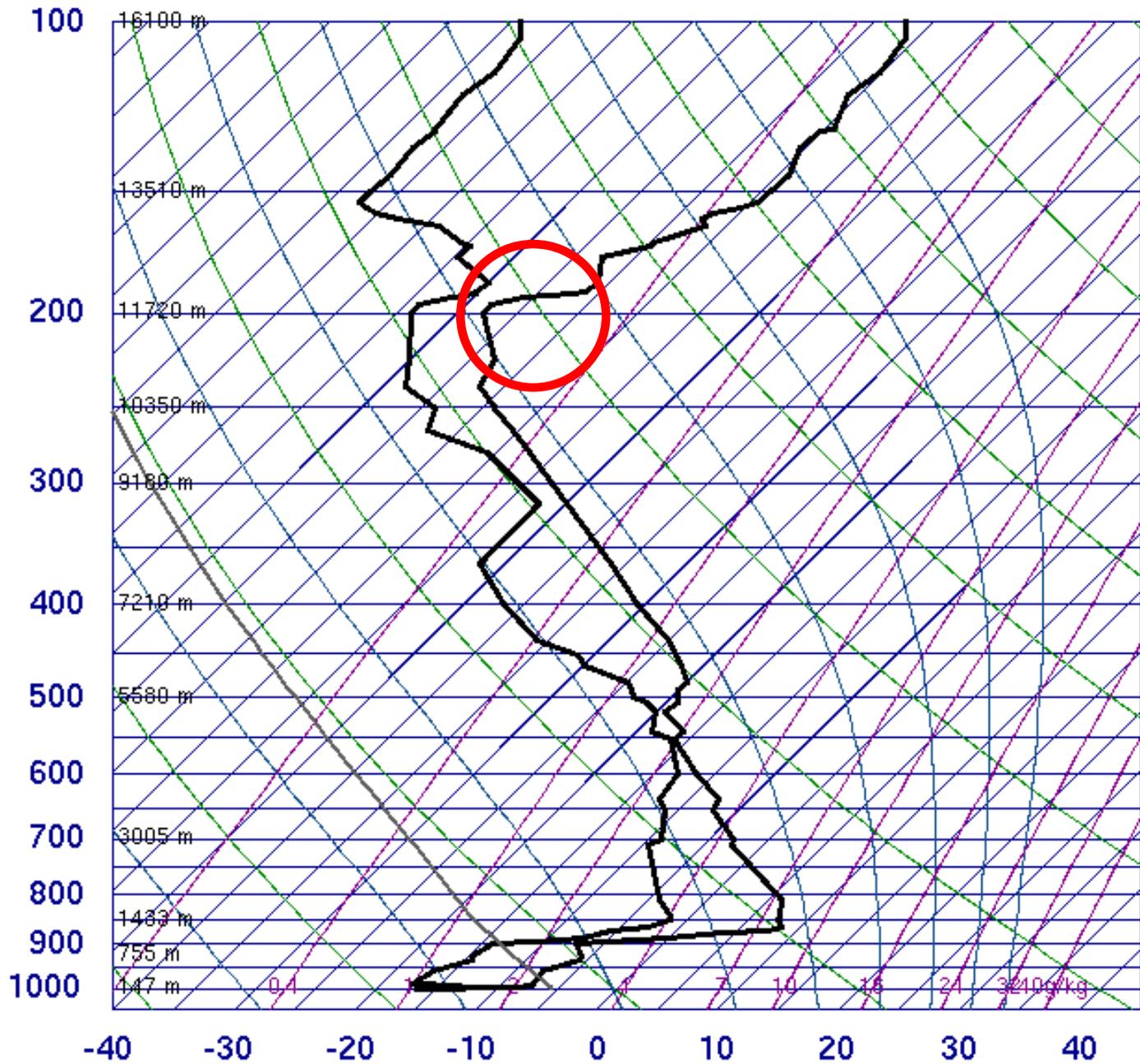
METAR/Maritime/LOAD: Wed 21:00Z 17-Dec-14

[SPoRT] NPIRS 24-Hour Microphysics RGB

Wed 21:09Z 17-Dec-14

[SPoRT] MODIS 24-Hour Microphysics RGB Wed 21:29Z 17-Dec-14

70261 PAFA Fairbanks



SLAT	64.81
SLON	-147.88
SELV	134.0
SHOW	5.21
LIFT	31.59
LFTV	31.76
SWET	31.99
KINX	19.70
CTOT	18.10
VTOT	27.10
TOTL	45.20
CAPE	0.00
CAPV	0.00
CINS	0.00
CINV	0.00
EQLV	-9999
EQTV	-9999
LFCT	-9999
LFCV	-9999
BRCH	0.00
BRCV	0.00
LCLT	255.3
LCLP	847.8
MLTH	267.7
MLMR	1.13
THCK	5433.
PWAT	13.05

00Z 09 Jan 2015

University of Wyoming

IT Considerations

- WFO Juneau will migrate to AWIPS2 this summer, making NWS Alaska Region all AWIPS2
- Hardware upgrades coming to UAF/GINA through 2015 to expand capacity for direct broadcast in Alaska
 - Additional antenna, allow receipt of more passes from more satellites
 - New boxes for processing and development
 - Enhancements to NWS Alaska's bandwidth should handle the resulting additional products