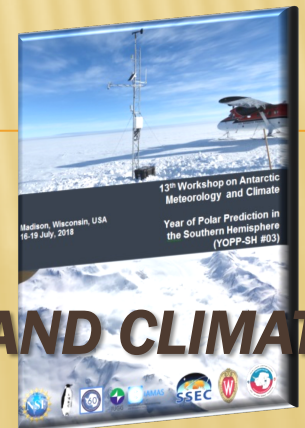




2018

AVIATION PERFORMANCE GOALS

**A METEOROLOGY OPERATIONS REPORT *for*
THE 13TH WORKSHOP ON ANTARCTIC METEOROLOGY AND CLIMATE**



OPERATIONAL PERFORMANCE

Overall – Very Good



Cost Performance Index – Very Good (saved more money than we cost)



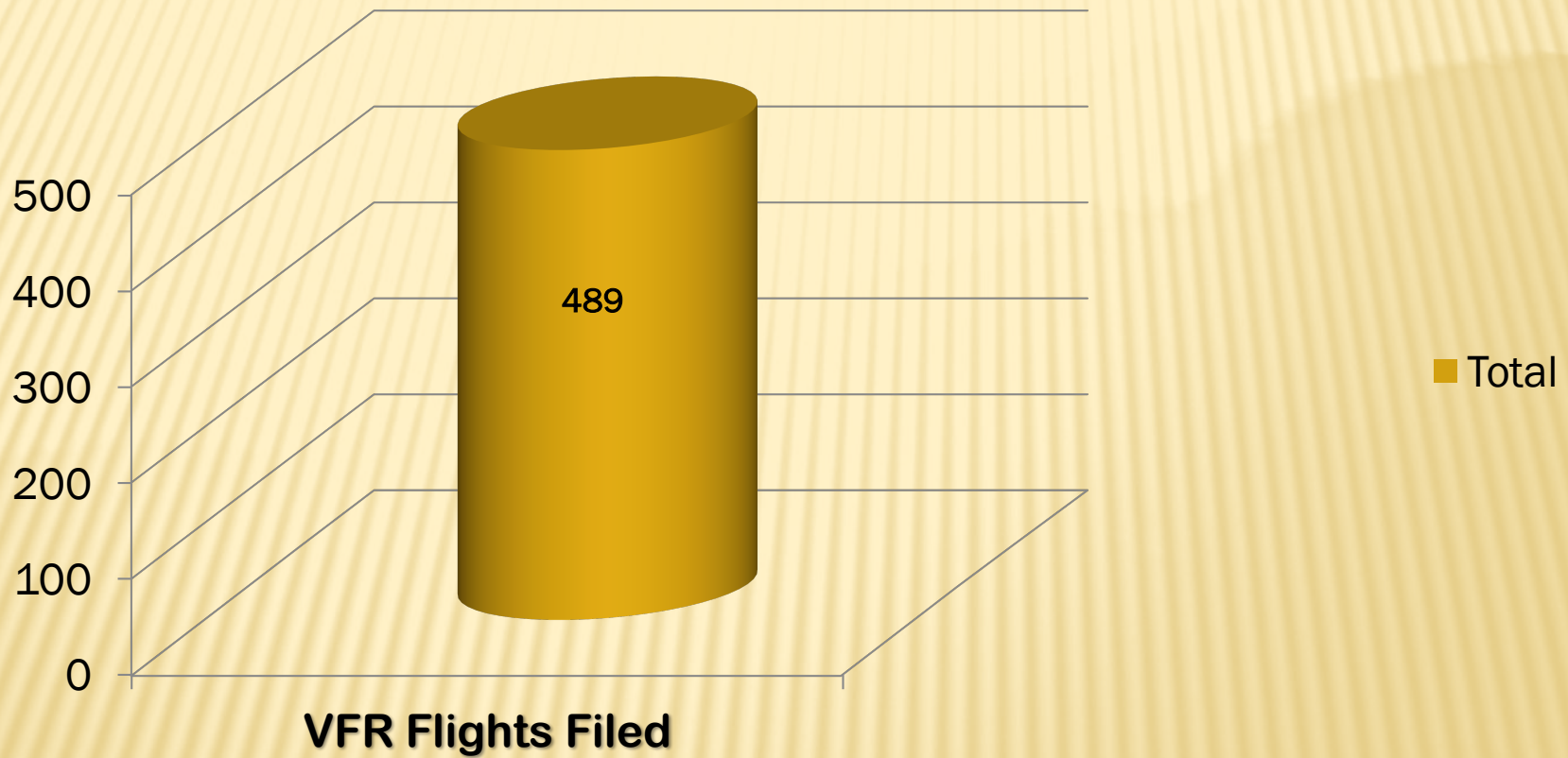
OPVER – Marginal (35 total scheduled flights impacted by forecast errors over 15 days)

- Too many cancelled flights that could have gone total = 32
- Plus 1 Abort, 1 Divert, and 1 Below Min Landing

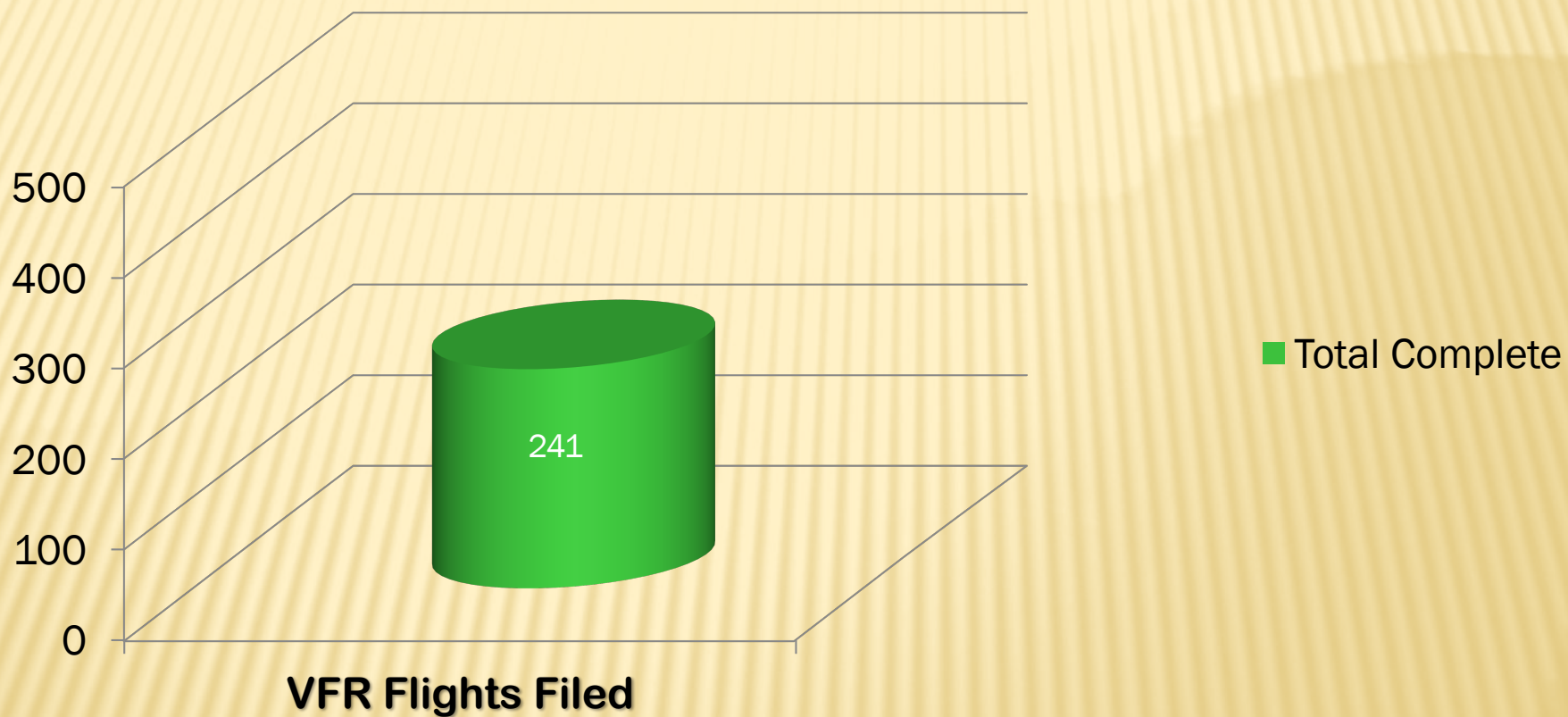


Administrative – Very Good (Spot Checks, Surveys, Contingency Planning, & Instructional Documentation)

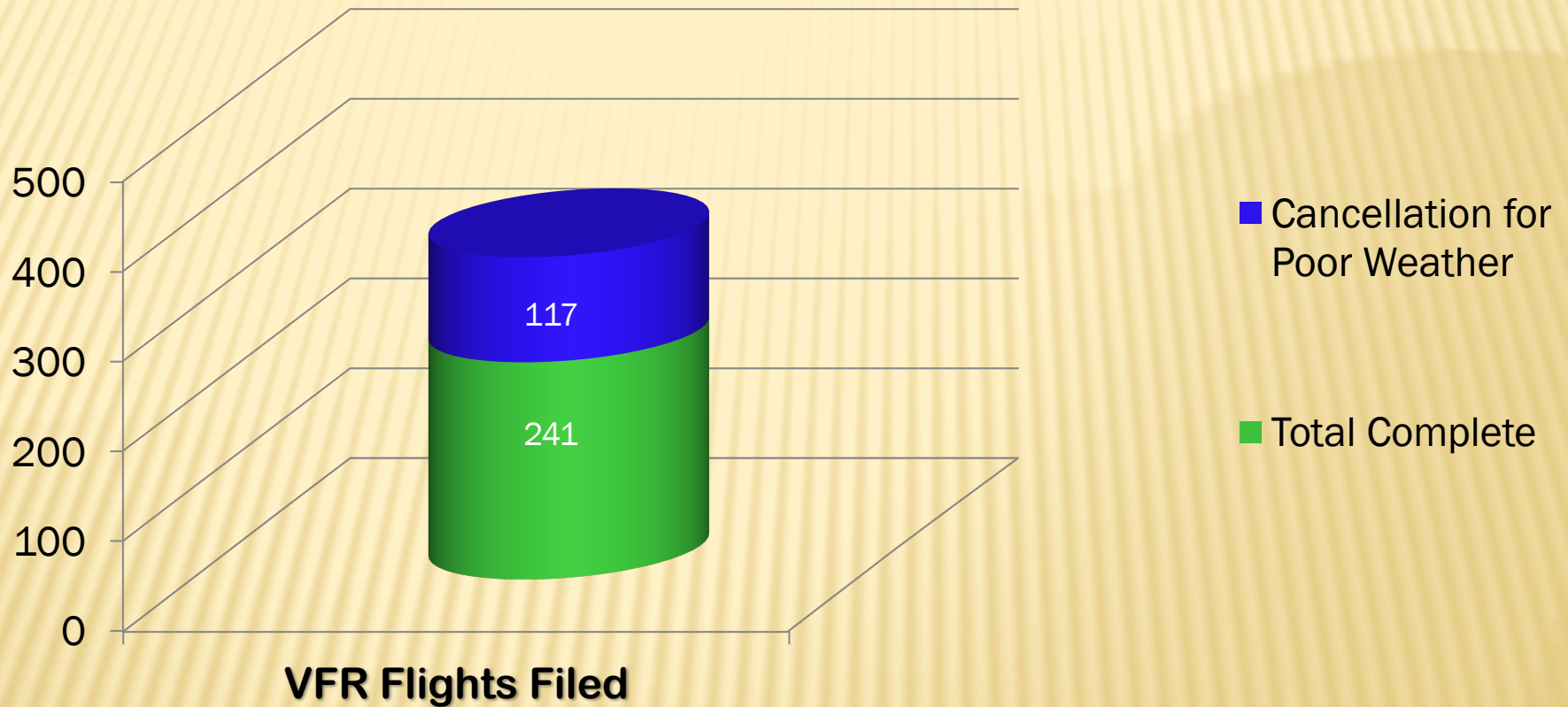
OPERATIONAL PERFORMANCE



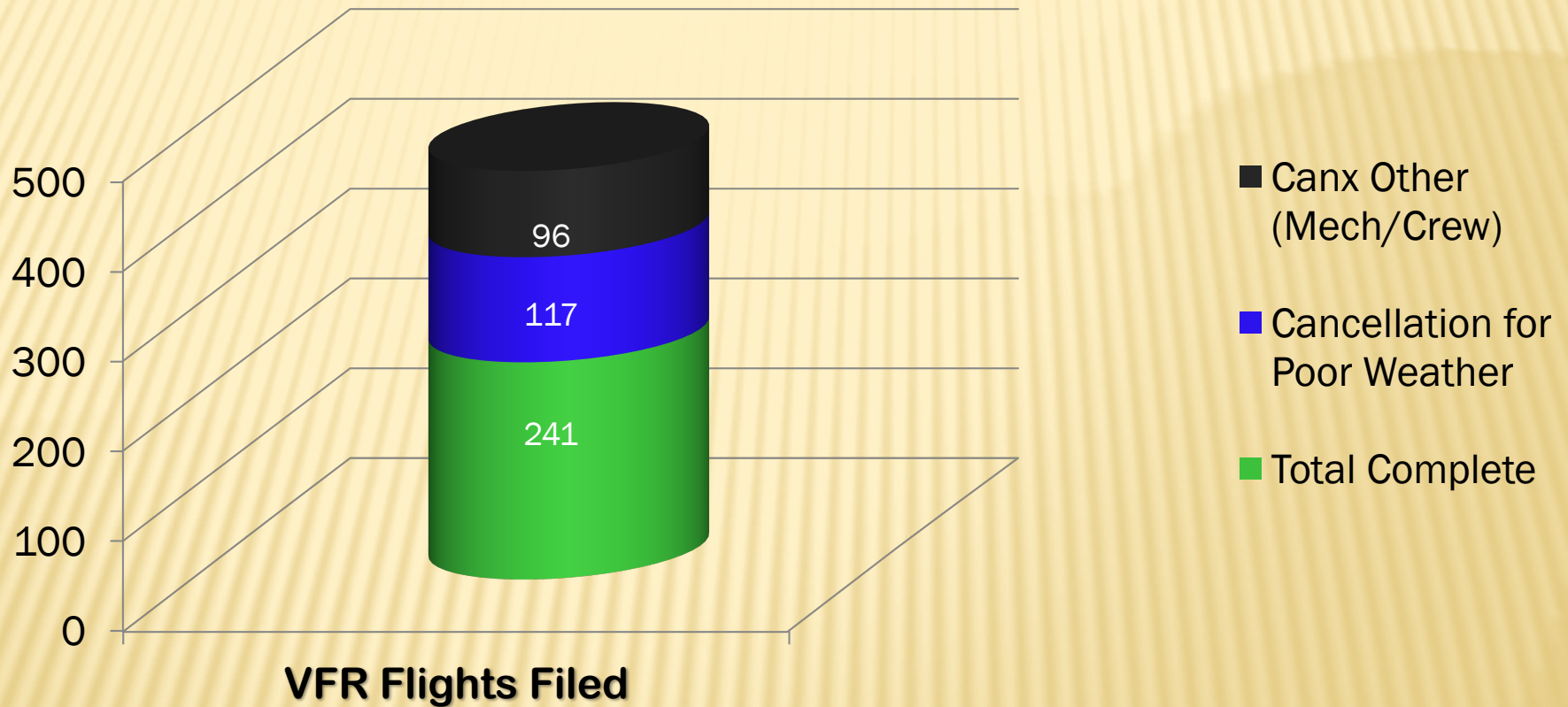
OPERATIONAL PERFORMANCE



OPERATIONAL PERFORMANCE

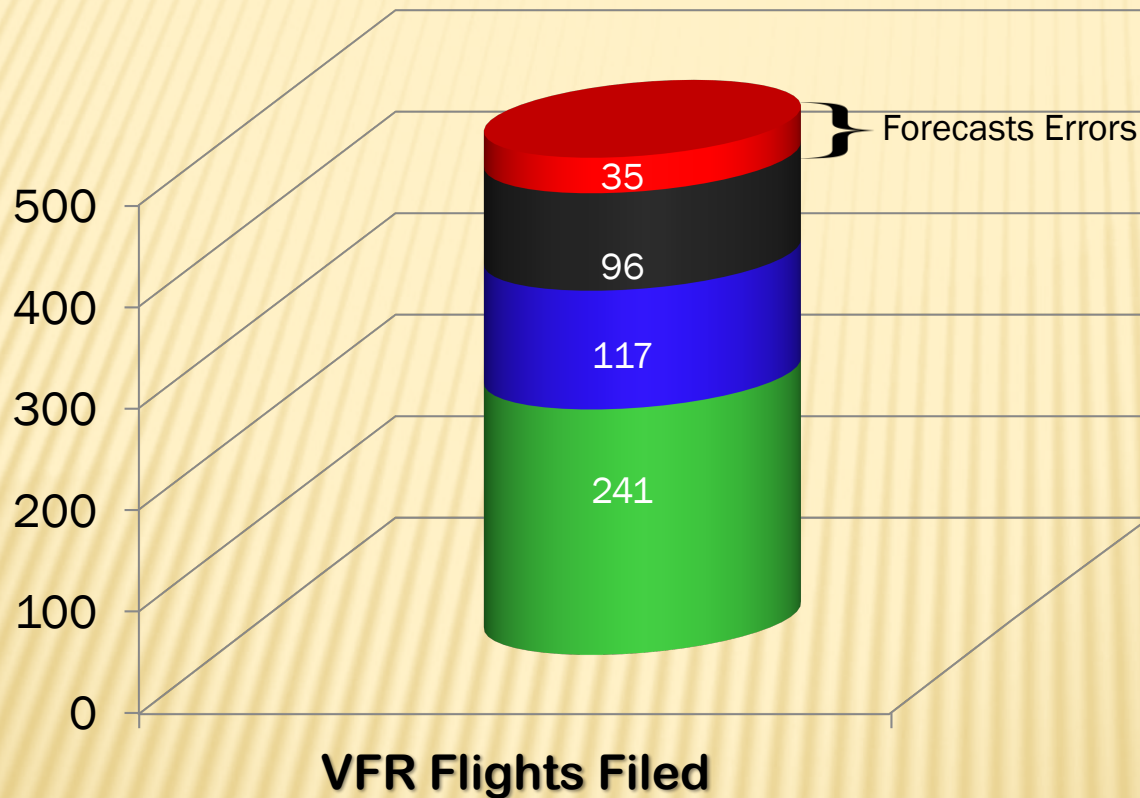


OPERATIONAL PERFORMANCE



489 VFR Flights Filed
454 Correctly Forecasted
96 Canx Other (Mech/Crew)
117 Correct Forecast Cancellation for poor weather

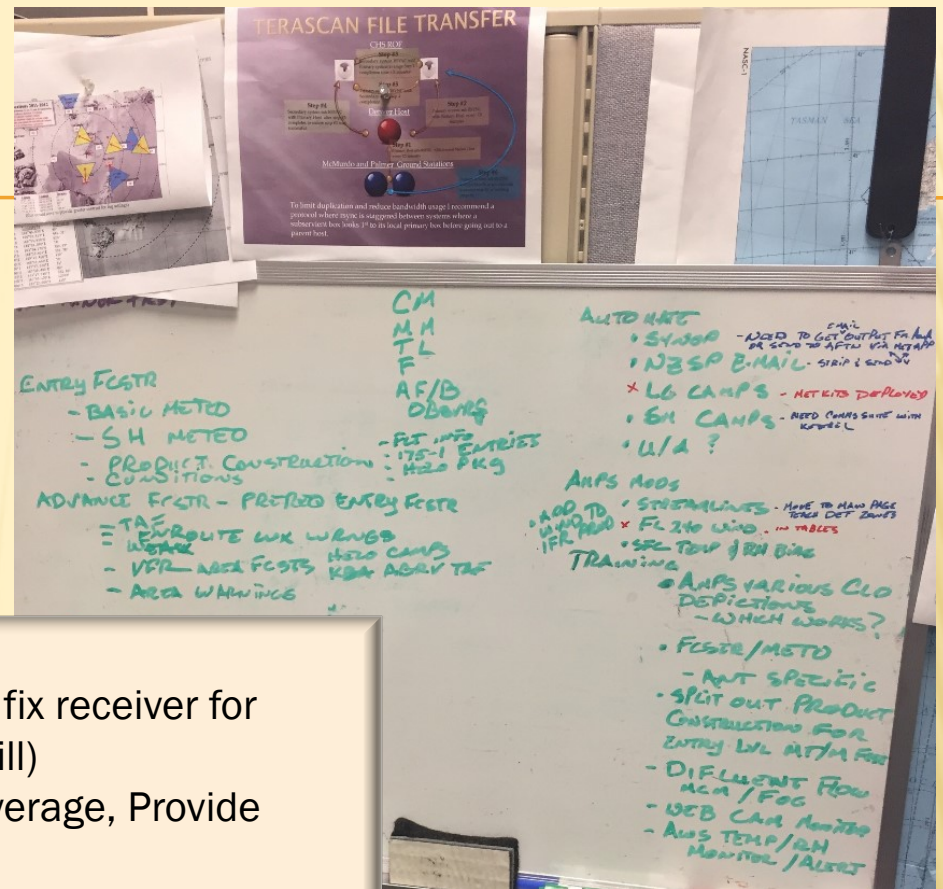
OPERATIONAL PERFORMANCE



- Incorrectly Forecasted
- Canx Other (Mech/Crew)
- Cancellation for Poor Weather
- Total Complete

489	VFR Flights Filed
454	Correctly Forecasted
96	Cancelled / Aborts for Other issues (Mech/Crew)
117	Correct Forecast Cancellation for poor weather
35	Incorrectly Forecasted

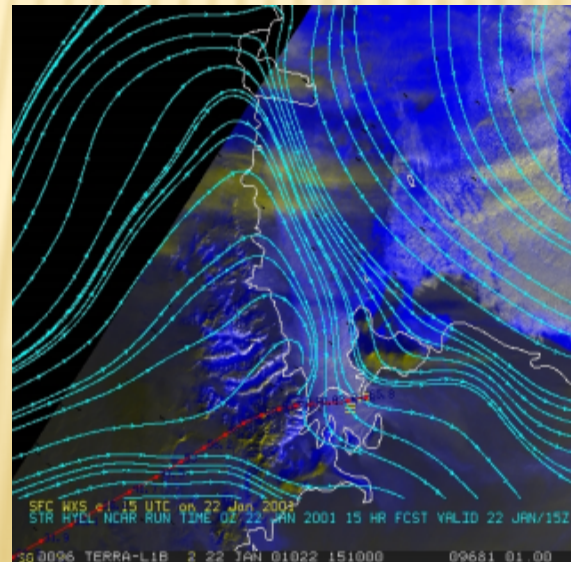
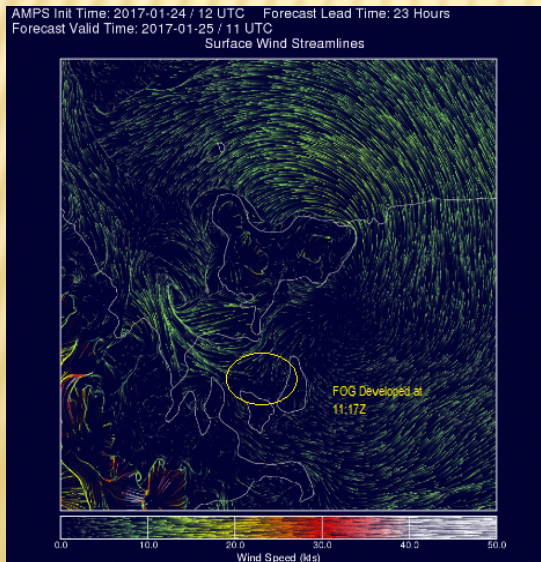
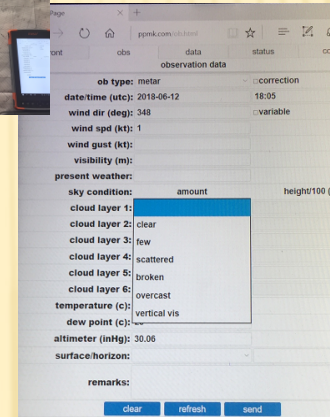
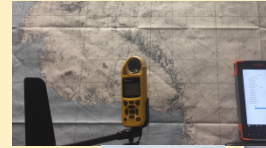
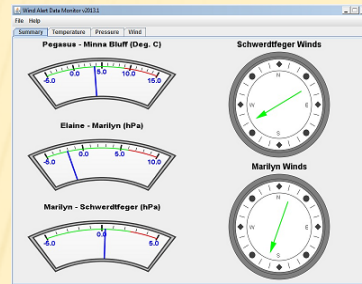
PROJECT LIST



- ✓ More Satellite Data: Add NPP, NOAA20, and fix receiver for METOP (expected noon gap to significantly fill)
- ✓ Improve Field Camp Observations: 24x7 Coverage, Provide METAR App, and Automate Entry
- ✓ Collect AWS data from Marble Point
- ✓ Continue collaborative with AMRC for Automated Weather Data and Composites
- ✓ Field New MET Kits for all locations with METAR App and Auto entry
- ✓ Promote LRF for increase accuracy of cloud bases and visibility
- ✓ Additional WebCams with multiple screens (security cam type) and still animation

MORE TOOLS, SCIENCE, AND EDUCATION

- ✗ Wind Alert Mod
- ✗ More Field Observations
- ✗ Add WebCams w/custom viewer
- ✗ Comet Training
- ✗ More fog identification patterns

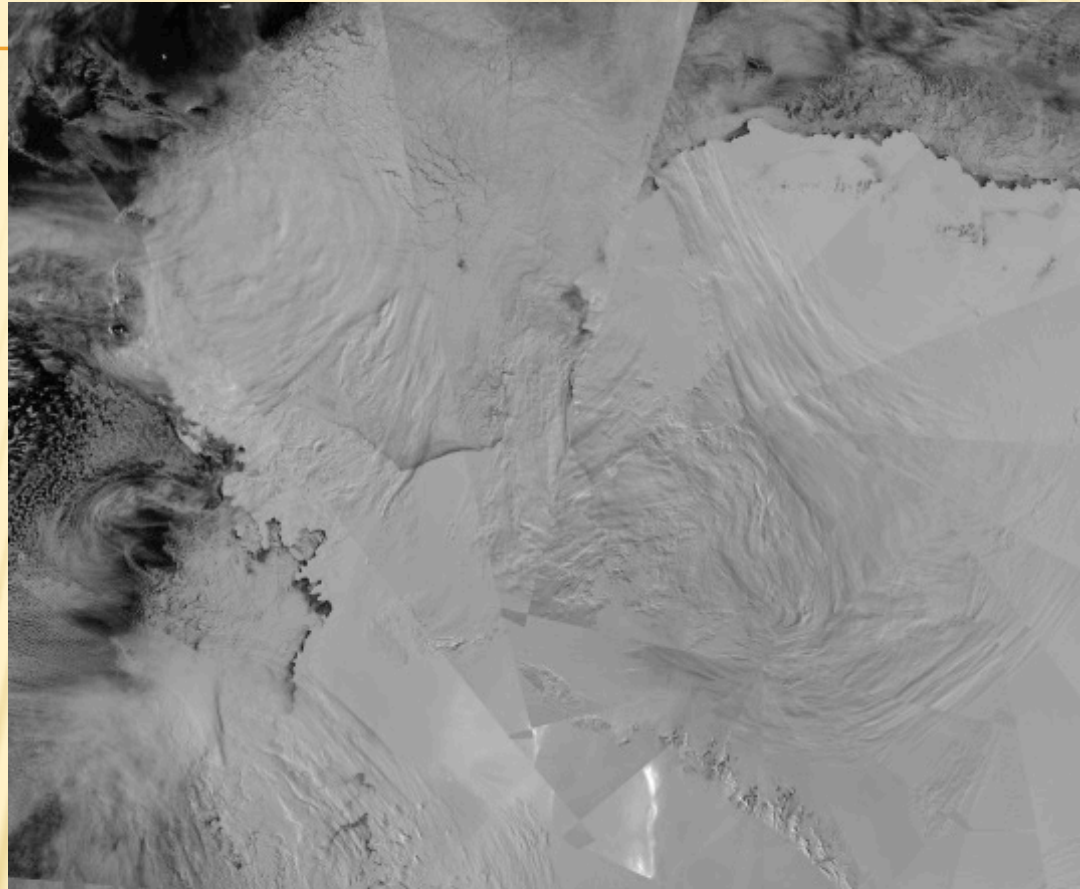


MORE ITEMS?

- ❖ Discovering new generation satellite's capabilities
 - Temps, Wave Heights, and much more!
- ❖ UAS Discoveries?
- ❖ AWARE Data?
- ❖ More from Tall Tower?
- ❖ AMPS improvements?

MAY 29TH

Keeping forecaster's
educated and aware
in an ever changing
environment is
challenging



CHUCK WAS RIGHT, "THINGS ARE a'CHANGING"

DR. CHARLES R. STEARNS
DR. CHARLES R. STEARNS

ANY SUGGESTIONS / IDEAS?

Operational Goal is to strive for consistent improvement and keep safety of flight and high cost errors to an absolute minimum. As items are presented throughout this workshop and suggestions of applicable knowledge or applications of applied science is always most appreciated.