

Aviation Weather Testbed

PG All Hands update

7 July 2014

Important note...

- Possible changes to the NWS/AWC service requirements in the coming months...
 - Aviation Weather Statement production as guidance for TFM's at the Command Center
 - Elimination of the DOB text FAs, resulting in increasing reliance on the graphical AIRMETS
- Hosting NWS director, NCEP director, NOAA Deputy Under-Secretary for Operations, FAA Next Gen Chief Scientist, and others next Monday (July 14th) to discuss these changes
 - Will be discussing how to better position the AWT and AWC in the R20/O2R loop
 - How can we build a 'Weather Ready NAS'

2014 demonstration status

Issues, successes, and the plans for the 2014 Summer
Experiment in August

Issues...

- Delayed period II start due to ops transition hiatus
 - CM approval still pending, though tentatively approved for the GeoColor and Cloud Heights
 - Issues with LDM connection preventing GeoColor transition...
 - Made the decision to push back the evaluation period. Will now be running mid/late-June through mid-September (instead of starting mid-May)
- Disk space in the testbed/ops
 - Experimental servers running at 90% capacity, ops at 80%
 - Working with IT to get more space...
- Staffing situation
 - Bids went out for leads
 - Most likely will be at least partially internal
 - Bids went out for CSIG forecasters and also a TDM!

Successes...

- AWT Ingests
 - Simulated visible imagery
 - MODIS/VIIRS dust imagery
- Evaluation Period II so far...
 - Nearcasting/Synthetic IR and CCFP
 - CSIG and CI/CTC/PGLM
 - PGLM/CI evaluation with SPoRT
 - NAMs and Convective Toolkit
 - Three day eval period during the last week of July. SE14 planning...
- Real-time examples...

June 27th, 1700 UTC Synthetic IR over ZME

ZMA 16:30:02Z

Ok with maps. Only thing added low/low at 01z for cntrl Fl. Convection yesterday lasted til 03z.

ZFW 16:30:25Z

Maps okay for ZFW.

AWC-Forecaster 16:30:29Z

ZMA copy. I can add.

AWC-Forecaster 16:30:32Z

ZFW copy.

ZMA 16:31:03Z

Copy, thanks.

ZDV 16:31:43Z

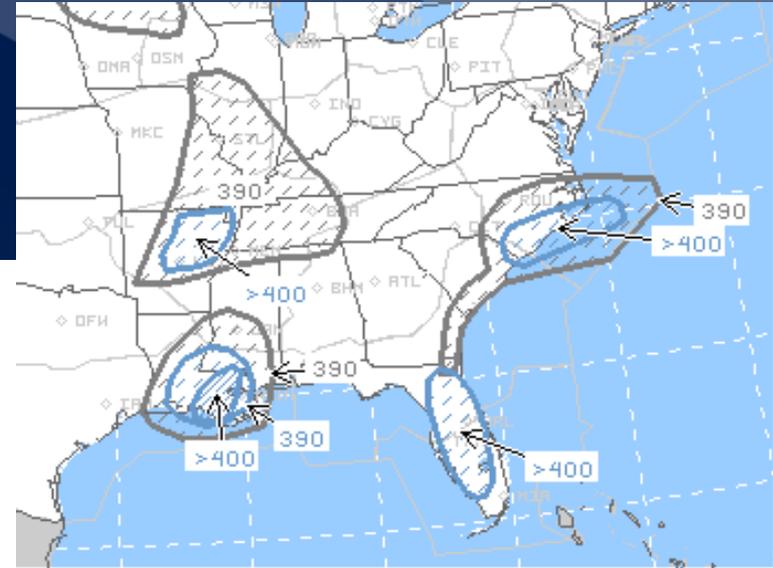
maps good for zdv

ZME 16:31:45Z

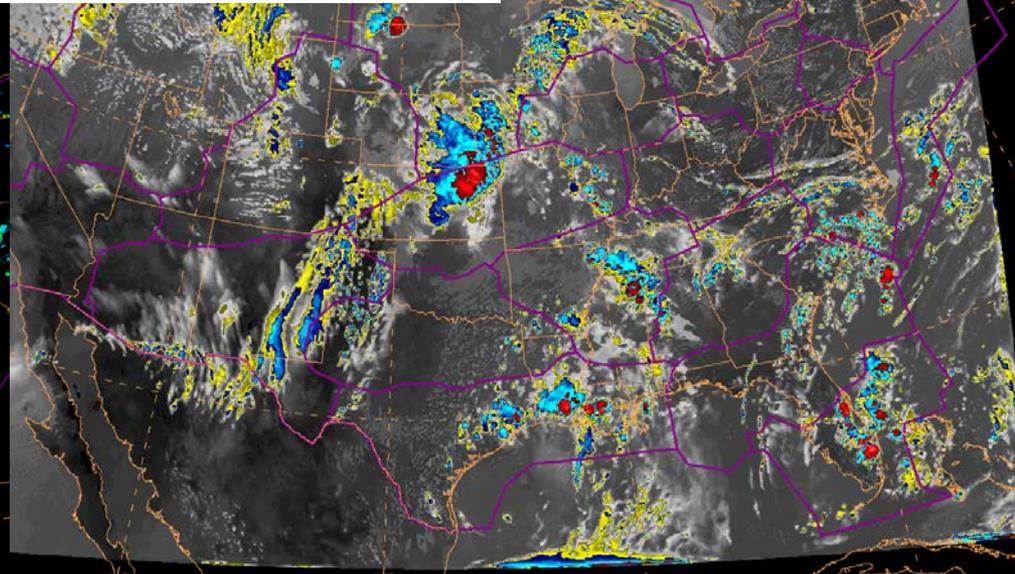
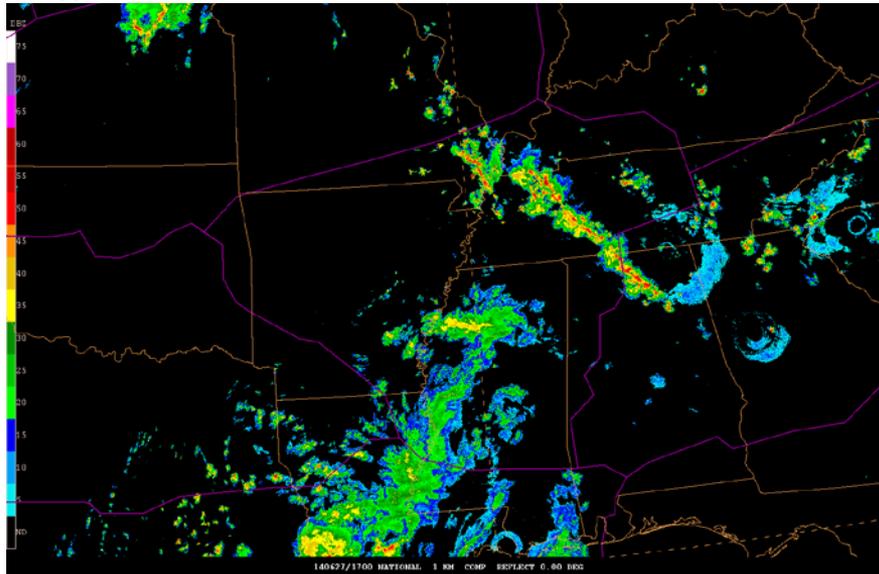
Maps look good to me. The experimental Synthetic IR product, which runs off of the WRF, is doing excellent today for the Mid-South, so let's keep what we have.

AWC-Forecaster 16:32:23Z

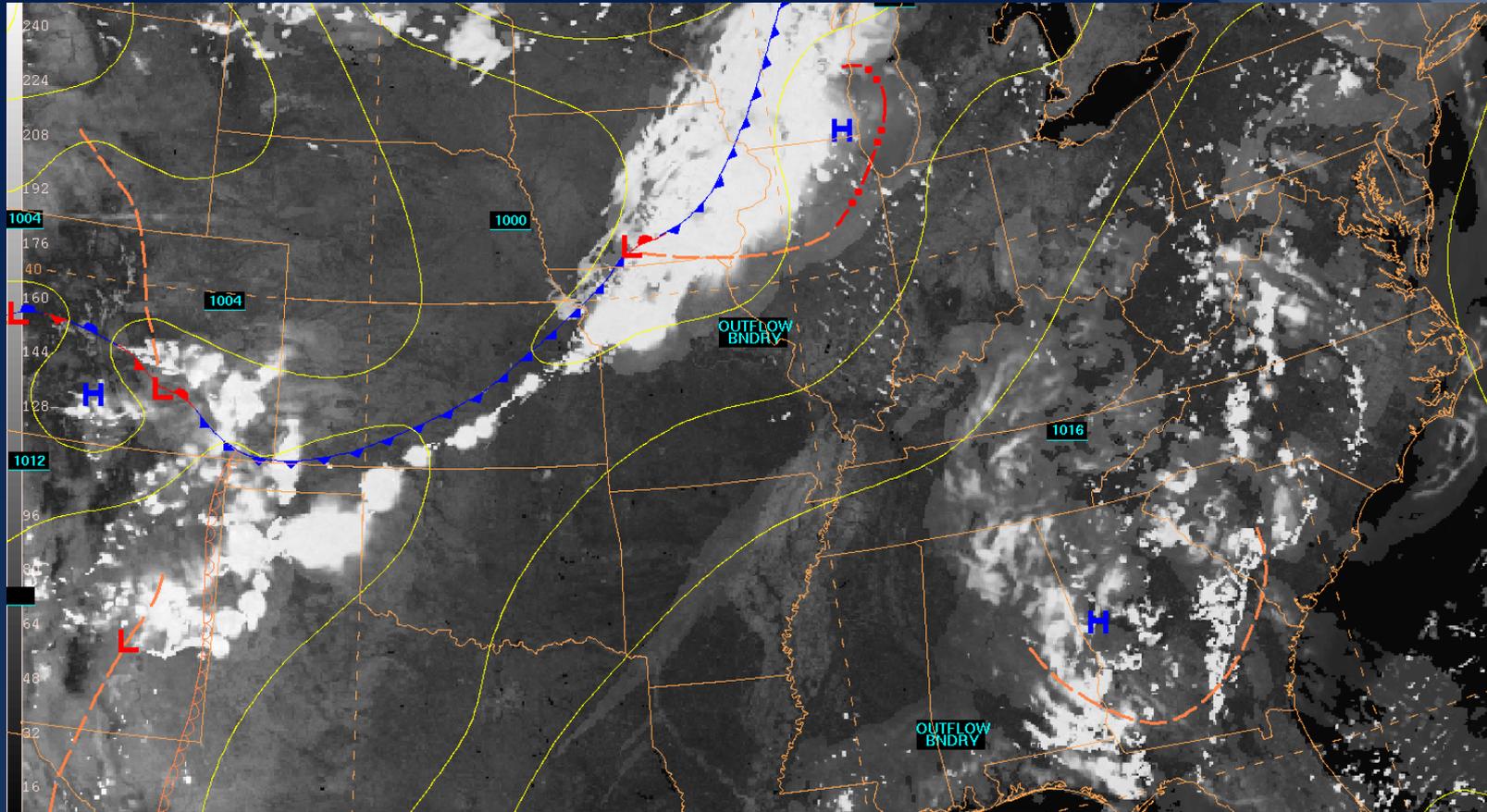
ZME copy.



ISSUED: 1700 UTC FRI 27 JUN 2014



June 30th 0000Z- Simulated VIS and observed fronts over Missouri



Summer Experiment 2014

Four mock desks:

- C&V 1: CONUS
 - Focus on 0-4 hour period and the value of observational tools
 - Tools like the FLS, ntmicro, simulated VIS, simulated fog difference, etc.
- C&V 2: Tropical
 - Same tools as mentioned above, but testing skill over water
 - Will look at convection as a backup
- Convective AWS 1: 'Experimental'
 - Convective toolkit products
- Convective AWS 2: 'Operational'
 - Will be manned by TDM's (possibly from the WET); comparing skill to 'experimental' desk

Summer Experiment 2014

Participants:

- CWSUs... confirmed 1 from WR, 2 from SR (ZTL and ZAB), and hopefully 2 from CR (funding dependent)
 - Perhaps some collaboration with SPoRT here????
- NAMs... will have our new NAM, and possibly the NAM MIC
- FAA WET team... will be having a simultaneous meeting and so will be joining us at various times. Will possibly help out with the Convective AWS 2 ('Operational') desk.
- WFOs... will have aviation focal point forecasters (2 from WR, 2 from ER)
- AAWU



AWIPS-2 update

- NUCAPS... in the works, but correct configurations needed
- The latest upgrade erased and broke most everything in our systems... and as it turns out, it wasn't the correct one anyway O.o This resulted in:
 - Operational satellite imagery via dbnet has been temporarily turned off
 - SBN data feed were unstable, though that has since been taken care of for the most part
- So, the AWC lost this round... but round 2 is already beginning
 - The correct upgrade will be installed within a week or so, and should hopefully take care of our issues (or at least some of them)

Questions?