

**From:** Jaymes Kenyon <jaymes.kenyon@gmail.com>  
**Subject:** Fwd: Pacific recon data  
**Date:** 11 March 2013 6:33:21 PM EDT  
▶ 2 Attachments, 76.4 KB

---

**Resent-From:** <[lbosart@ALBANY.EDU](mailto:lbosart@ALBANY.EDU)>  
**From:** Bill Bua <[bill.bua@NOAA.GOV](mailto:bill.bua@NOAA.GOV)>  
**Subject:** Re: Pacific recon data  
**Date:** 7 March, 2013 19:11:23 GMT  
**To:** <[MAP@listserv.albany.edu](mailto:MAP@listserv.albany.edu)>  
**Reply-To:** Bill Bua <[bill.bua@NOAA.GOV](mailto:bill.bua@NOAA.GOV)>

Mike --

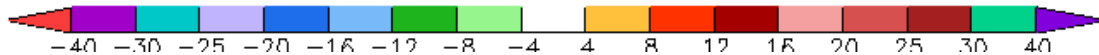
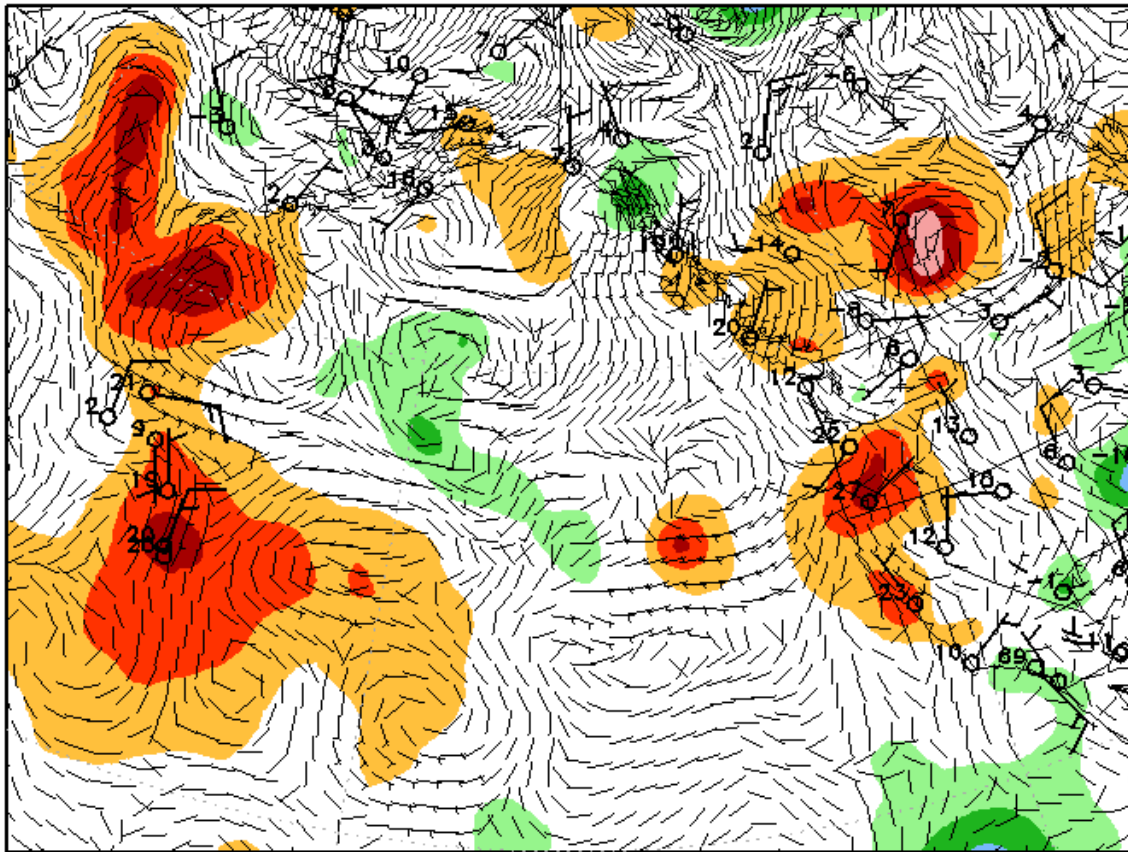
They do. And the way to tell into which cycle they are ingested, is from NCEP/EMC graphics on an Mesoscale Modeling Branch's web page. That webpage, which contains links to a 7-day rolling archive, can be found at:

<http://www.emc.ncep.noaa.gov/mmb/mmbpll/namqfsincr/>

The graphics at that link compare the first guess analysis increments for heights/temperature/winds/specific humidity at standard pressure levels, to the radiosonde (and reconnaissance) observations differences from those first guess fields. This is done for both the NAM and GFS data assimilation systems. We'd want to place additional scrutiny anywhere the obs differences are significantly different from the analysis increments, we'd place additional scrutiny in those areas and find out what features are affected and why.

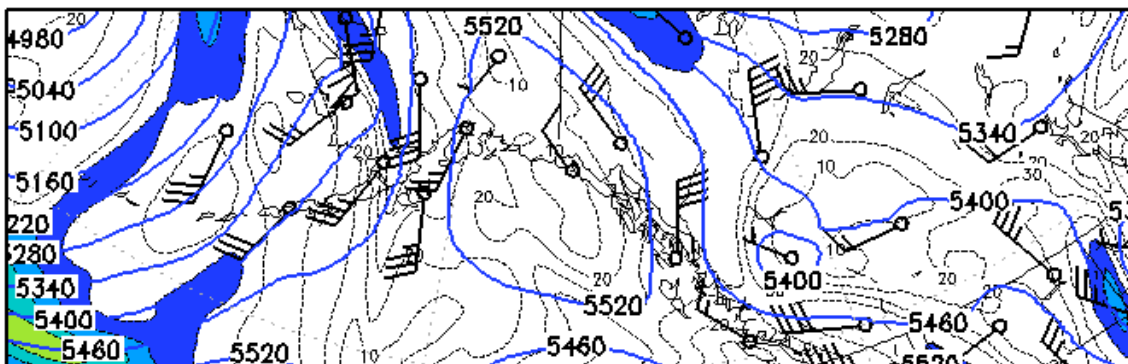
A recon flight must have been ordered and done this past Tues. for the 00 UTC cycle. I've copied the NCEP/EMC/MMB NAM graphics for that cycle for 500-hpa heights and winds below. The top graphics show the NAM and GFS analysis increments to the first guess background from all data ingested into the data assimilation systems, along with the difference between the first guess and the observations. The ordered tracks can be seen over the central N. Pacific south of the Aleutians. In the graphic below, you can see that the increments generally seem to be smaller than the obs/first guess differences.

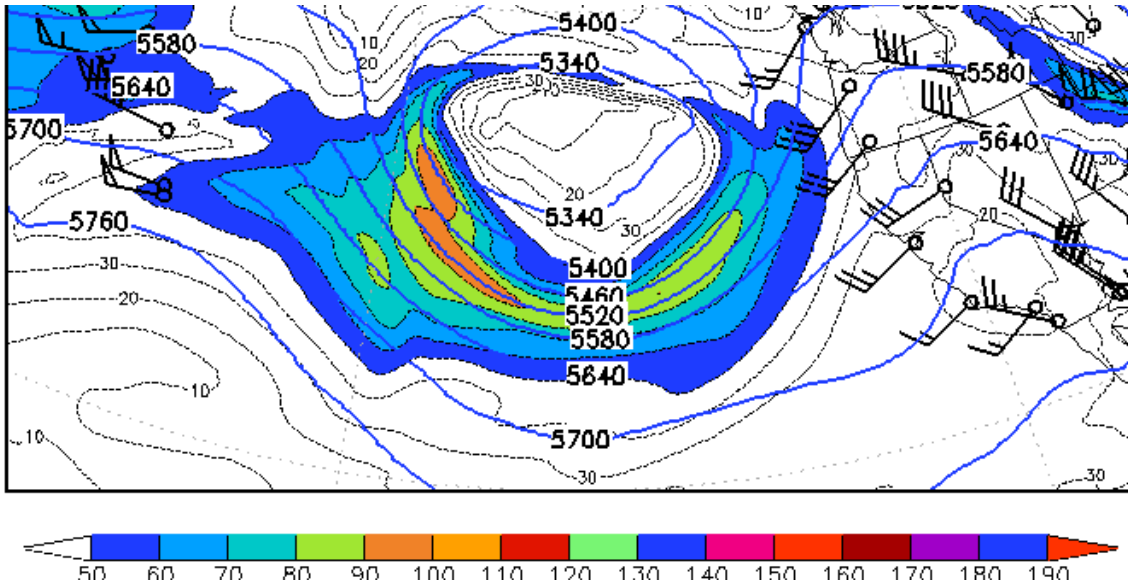
### 500MB Z,WIND (KT) INCR NAM 00Z 05 MAR 2013



If you want to see the actual obs values compared to the final analysis to see any potential discrepancies in feature location or geometry, the bottom graphics can be useful. The corresponding 500-hPa graphic to the increment graphic above is here:

### 500MB WIND (KT) NAM 00Z 05 MAR 2013





Eric Rogers is the "webmaster" of the code that produces these graphics; I'll copy him on this response to see if there's anything I might have missed. Hope this helps!

Bill

On 3/7/2013 12:16 PM, Michael Ventrice wrote:

Hi all,

Does anyone know when (if) Pacific recon data gets ingested into the models?

<http://www.nhc.noaa.gov/text/MIAREPRPD.shtml>

Thanks!  
Mike

Michael J. Ventrice, Ph.D.  
**WSI Energy Forecasting - Medium Range Operations Scientist**  
[michael.ventrice@weather.com](mailto:michael.ventrice@weather.com)

---

To unsubscribe from the MAP list, click the following link and send the email generated:

[MAP-SIGNOFF-REQUEST@LISTSERV.ALBANY.EDU](mailto:MAP-SIGNOFF-REQUEST@LISTSERV.ALBANY.EDU)

--

Dr. William R. Bua  
Project Scientist, UCAR/COMET  
c/o National Centers for Environmental Prediction  
5830 University Research Court, #2784  
College Park, MD 20740  
301-683-3806

---

To unsubscribe from the MAP list, click the following link and send the email generated:

[MAP-SIGNOFF-REQUEST@LISTSERV.ALBANY.EDU](mailto:MAP-SIGNOFF-REQUEST@LISTSERV.ALBANY.EDU)