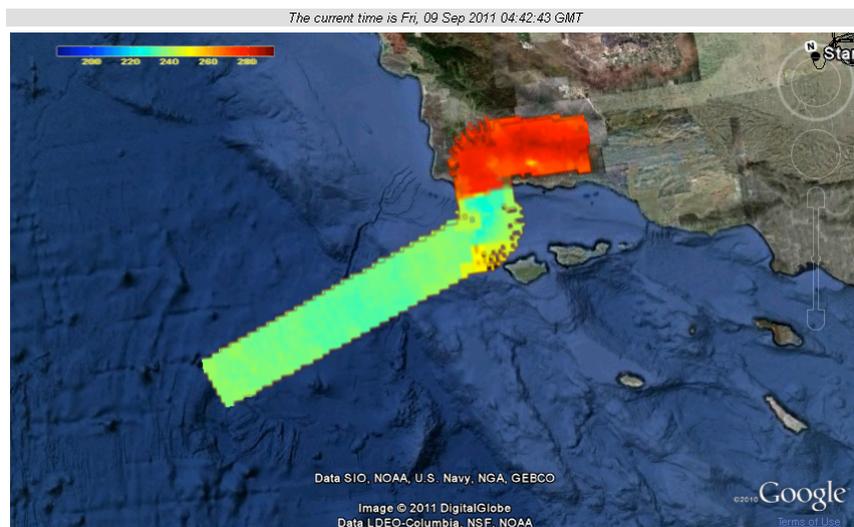


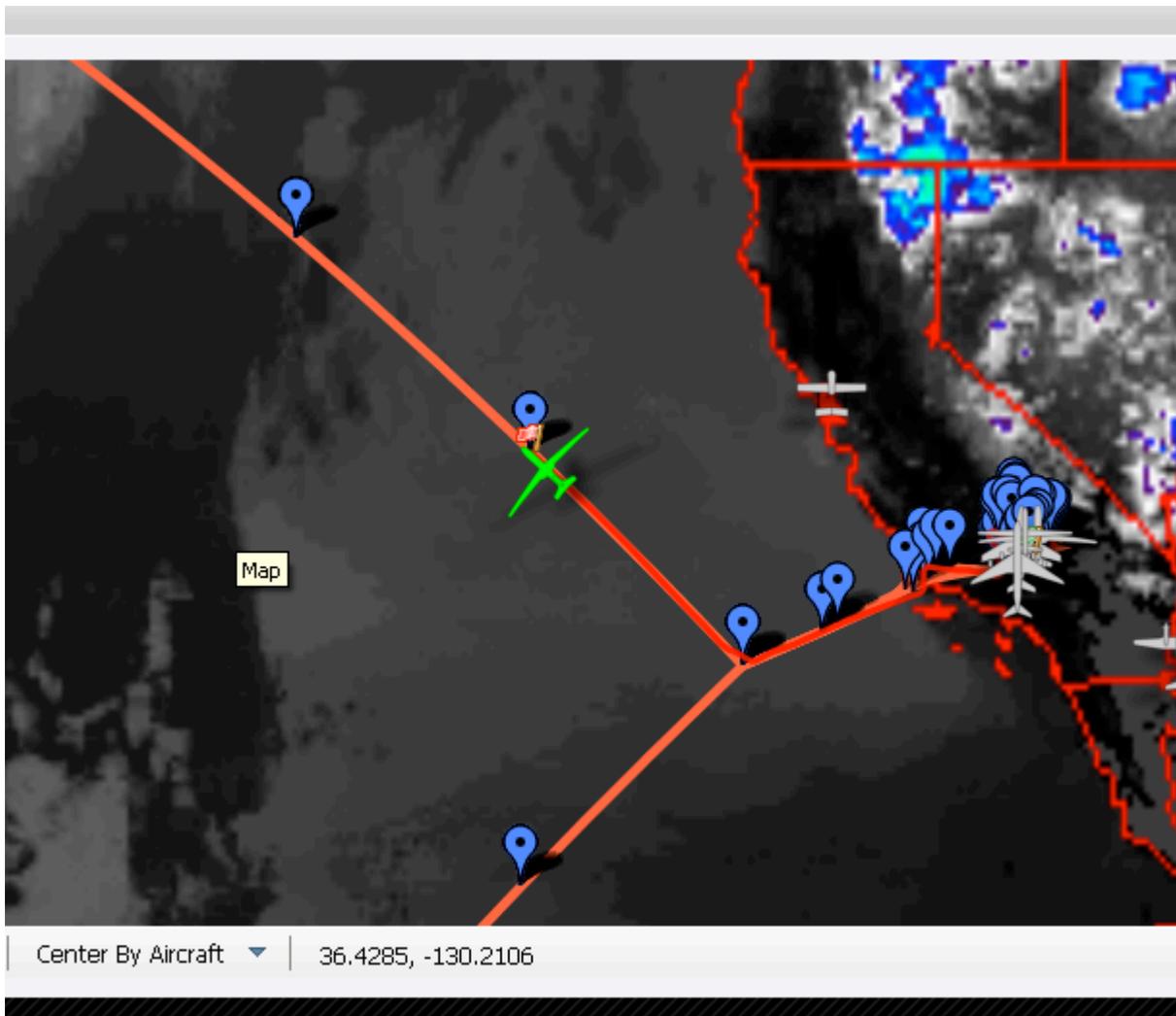


- 1936 A bit of gustiness at takeoff time. It may lead to a hold.
- 1951 taxi
- 2001 Crosswinds are too high at takeoff time. Holding just short of the runway until winds fall off.
- 2008 Taxiing onto runway, winds have fallen off a bit.
- 2011 Takeoff. Airborne at 2011:50
- 2118 Feet wet in the Pacific
- 2139 HAMSR reporting good data. See <http://hs3.jpl.nasa.gov/HS3/index.jsp>

Below is a screenshot of HAMSR data showing Channel 9 – brightness temperature. Warm colors show the land and the cooler T is the ocean.



- 2237 Having troubles with the Ku
- 2242 Turning the Ku transmit off. The beam width of the Ku transmit is very narrow, and apparently the motion of the GH keeps throwing this off. In order to not damage the Ku transmit, it is being turned off.
- 2243 35.8N, 127.9W, 54.6 kft. altitude. Instrument status packets are good. Preparing for dropsonde launch at the top of the hour.
- 2300 First sonde launch. The image below shows the 11 micron GOES IR image at 2300 UT.



2318 Sonde probably hit the ocean surface. A good profile.

0106 Still proceeding to the northern point. Nothing to report. Ku still not transmitting.

0130 Scott arrives, time for Paul's bed.

0245 10 mins before first drop on southern leg.

0254 2<sup>nd</sup> dropsonde released (first along the southbound leg).



0257 Air traffic below prevented 3<sup>rd</sup> drop (first of the double drops). Will pick up next drop and start double drops from there.

0315 First double drop begins.

0317 Second drop 2 min 12 sec after first drop.

0326 Second double drop begins.

0328 Second drop <2 min after first drop.

0239 ATC has cleared us all the way down to 35 deg N

0337 Third double drop begins.

0339 Second drop ~1.5 min after first drop.

0348 Fourth double drop begins.

0350 Second drop <2 min after first drop.

0400 Fifth double drop begins.

0401 Second drop <2 min after first drop. Done with double drops.

0417 Lost Iridium temporarily

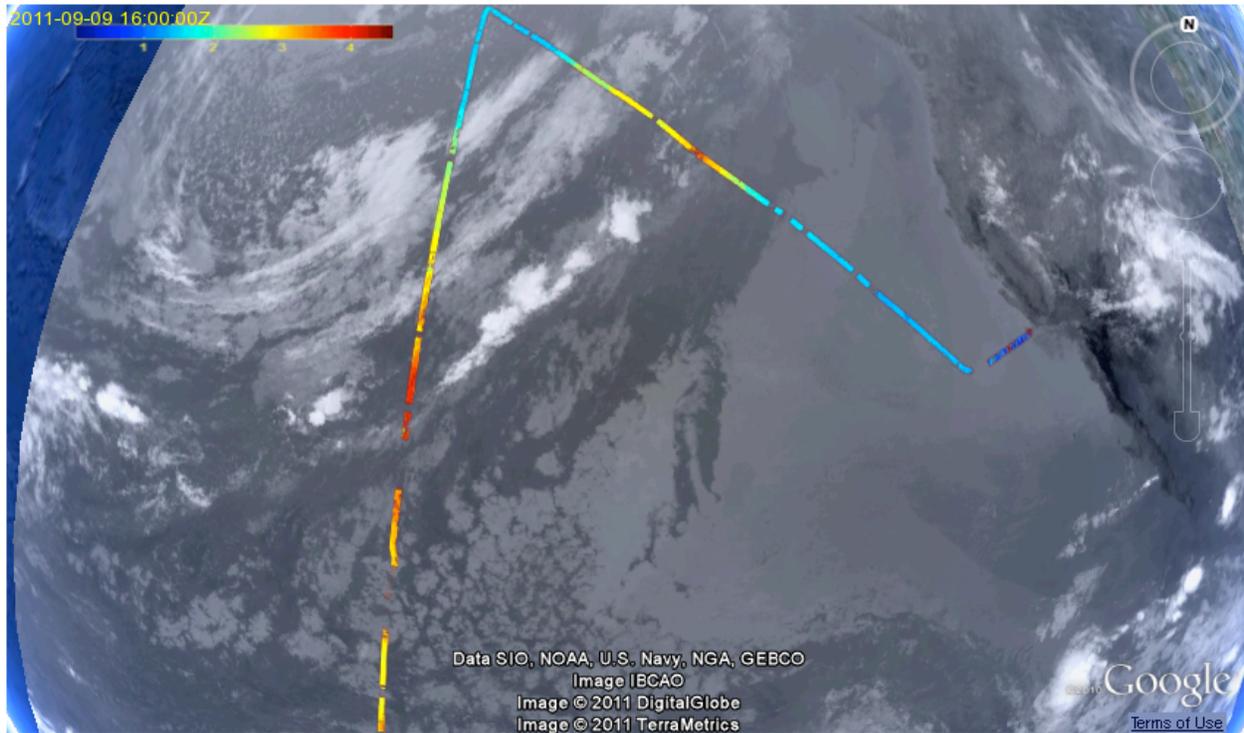
0540 ATC cleared us for drops down to 30 deg N

0632 Sonde that was skipped earlier due to air traffic was dropped at 30.5 deg N into Atmospheric River

0704 Prolonged period of missing Iridium. Missed two launches at 29 and 28.

0800-0900 Dry run telecom

0900 Sonde drop 33 after prolonged Iridium instability. Previous sonde could not be launched, so three extra sondes at this point.

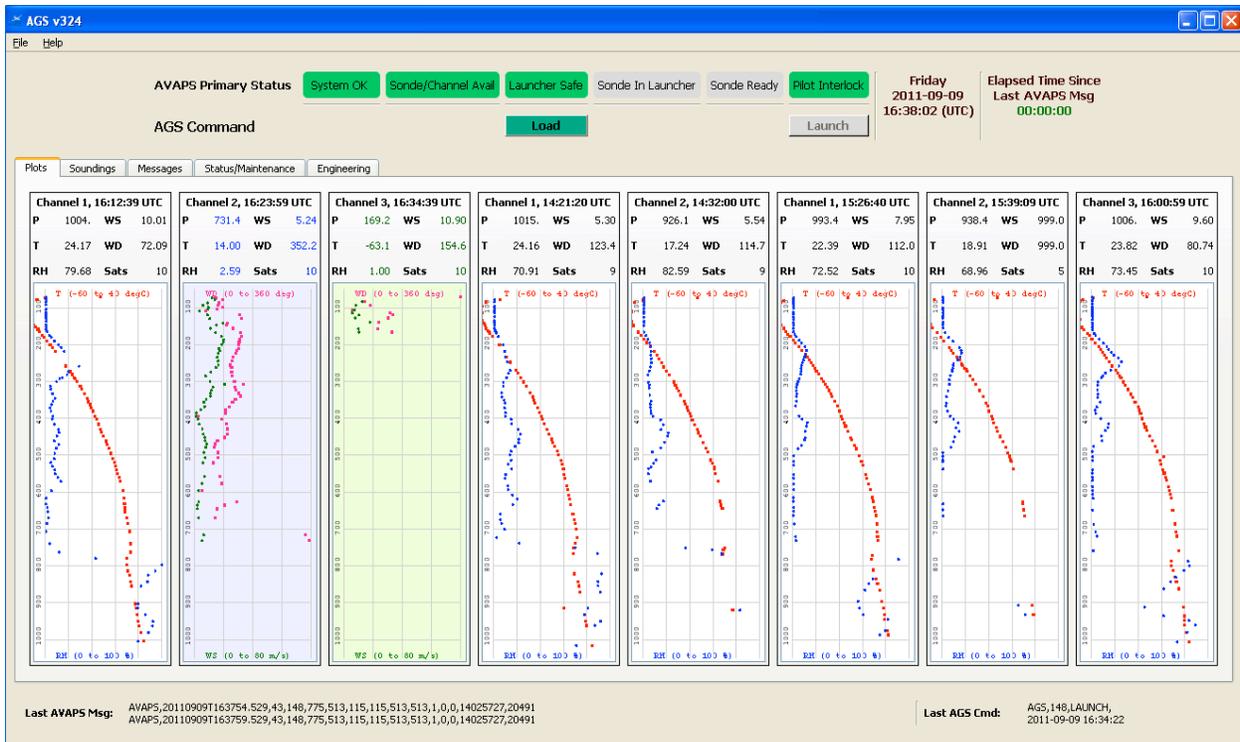


1030 After the turn, we accelerated the dropsonde rate along the 10N line to pitch out the remaining sondes prior to turning NE.

1100 The flight line along 10N appeared to have little Cb action, although there was a good system popping to the south of our NS track at 154.5W. The bigger Cb system was at about 6N, 155W and had cold tops to about 200K from the 11 micron GOES IR channel.

1130 The final dropsonde (#45) was pitched out. The sondes all worked, but a couple had GPS problems, so no winds on those.

The plot below shows a screenshot of the dropsonde pitched out at 1638UT or 0938 PDT.



1513 Proceeding NE towards DFRC. Overflying low level cloud with not much else going on.

1833 Began descent from 63,200 feet. All instruments off for descent below 60 kft. Instruments will come back up when below 45 kft.

1852 Levelled off at ~40kft, all instruments came back up to get heaters on. Waiting for surface winds to decrease. Cross wind gusts to 25-28 kts.

1856 Dropped to 32 kft.

1857 All instruments turned off prior to gear coming down. Altitude ~ 26 kft.

1902 All power off, Alt = 18 kft.

1915 Landing.

