
21 Oct 2014 (1215-0015 UT) OPERATOR: twf/mcb

WEATHER INFO: Winds-> 2.8 mph @ 95, 13.2 C, 71.4% RH, 608.9 Torr, mostly clear

ARO 12-Meter Recommissioning:

1. Kevin, Sean, Mike, Nick & Tom on site.
2. Attempted to replicate the last observation from April, 2013 on OrionA.
Chan-#1 of the 3mmSBS receiver is totally flaky and its total/switch power is all over the place.
Line intensities are 15K in Ch #1 and 28K in Ch #2, down from ~85K before. Seriously mis-pointed possibly.
3. Brought the MAC online. It works save the item listed below.
4. Found the 100.0 MHz Fluke completely un-connected. Hooked up the FMS control ribbon cable and attached a power plug. The FMS task stopped reported "Fluke Not in Remote Mode" messages.
It still has no 10 MHz ref source, so an engineer needs to connect one.
5. Continue to point on ALMA calibrators, "alma_cal.cat", a collection of J2000.0, Jansky > 4.0, pointing sources used by ALMA. Most are too weak for useful results at this time.
6. Performed a balance test now that we have the panels on. Gave results to Nick for analysis.
7. Sean brought up supplies to repair the broken water pipe. Plus a case of drinking water.
8. We laid the concrete in the west cable trench.
9. George and Martin arrived at lunchtime.
10. Nick bolted 128 kg's worth of counterweights to the cabin floor--half in back, half in front.
11. Sean slightly modified the layout of the faulty water line to relieve the strain on the joint. Tests are good so far. He's leaving the pipes uncovered for now pending further leak checks.
12. George and Martin used a hand-held cold load in front of the secondary to check the relative beam alignments. They found that ch 1 was dead center but ch 2 was off by about half the subreflector.
13. Martin and George plumbed the 100 MHz reference into the MAC.

21 Oct 2014 (0015-1215 UT) OPERATOR:

WEATHER INFO: Winds-> 4.9 mph @ 286, 17.4 C, 55.6% RH, 609.4 Torr