
09 Jan 2014 (1215-0015 UT) OPERATOR: mcb

WEATHER INFO: Winds-> 8.7 mph @ 281, 4.2 C, 32.1% RH, 607.8 Torr, ptly cloudy

APA Recommissioning:

1. Tom, Nick, Sean, Kevin and Mike are on site.
2. Sean brought the shutter motor up from downtown.
3. We began organizing the library, transferring some more stuff to the dome, discarding the stuff we won't be using (packing material) and sorting and arranging the remainder.
4. We made some preliminary measurements of the telescope tilt using the Talyvel inclinometer:

The inclinometer was installed on the top surface of the receiver interface plate, almost parallel to the elevation axis. Measurements were made using middle and most sensitive settings of the inclinometer, while the antenna was rotated in steps of 20 and 30 degs, respectively. Based on these results, we estimate the tilt of the azimuth axis to be approximately 9 arcseconds with respect to gravity. There are 2nd and 3rd order terms with magnitudes of 6 and 2.5 arcsec, respectively. The cause of these other terms is unknown but likely to be related to small pedestal foot non-planarities. These will be investigated further in the future. --Nick Emerson

5. Sean cleaned out the lightning slip-ring channel.
6. Sean installed 5 of the lightning slip-ring brush skates. The 6th was too badly corroded to be installed until it's refurbished.
7. Tom finished installing the base cabinets.
8. Sean purged water from the air-compressor tank.
9. We reinstalled the Gore-Tex membrane temporarily (just a few bolts) to keep any rain out of the rx cabin.

09 Jan 2014 (0015-1215 UT) OPERATOR:

WEATHER INFO: Winds-> 20.8 mph @ 290, 8.0 C, 25.7% RH, 608.2 Torr