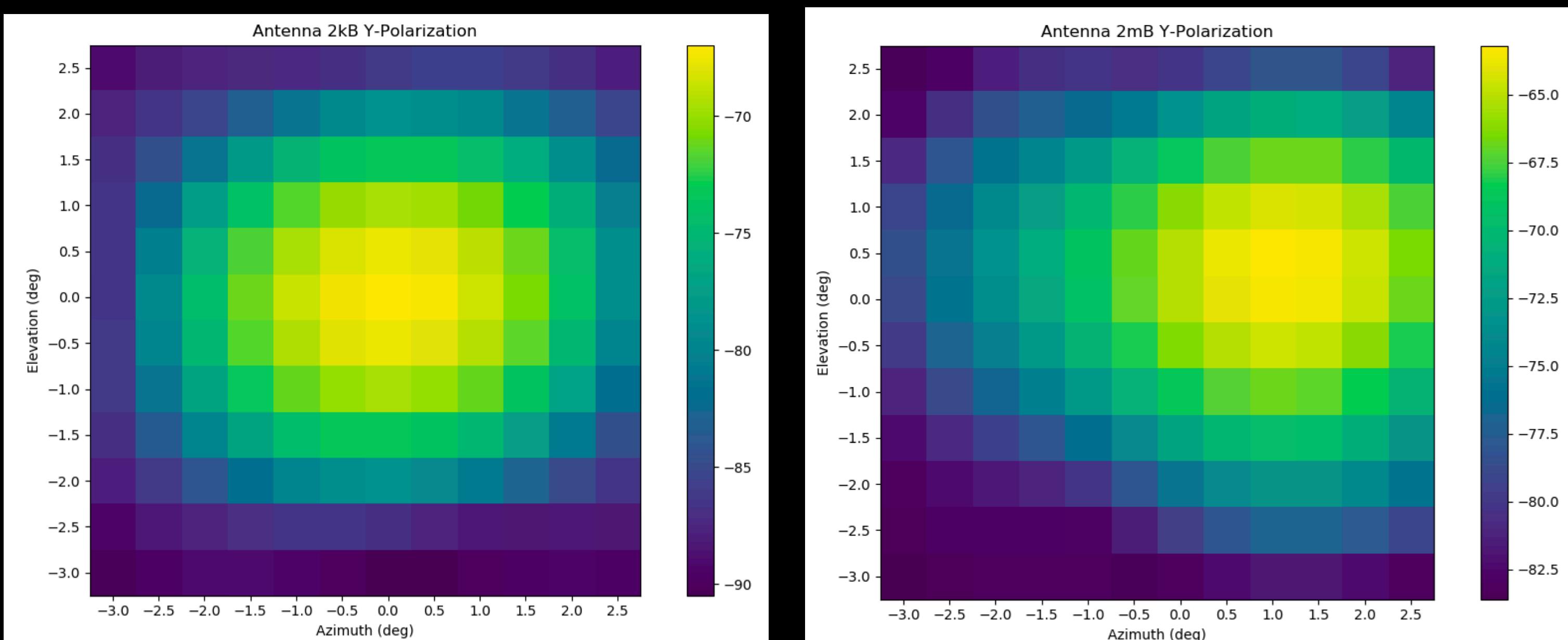
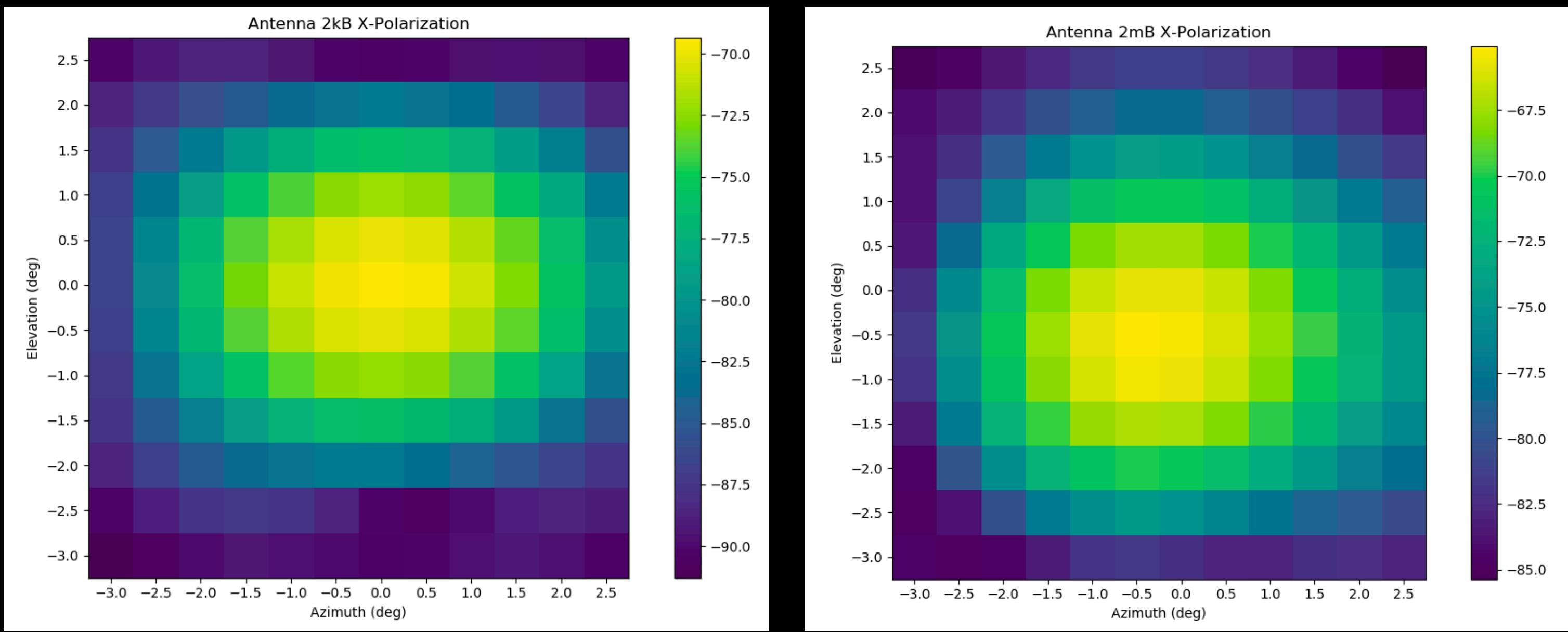


Debugging 2k

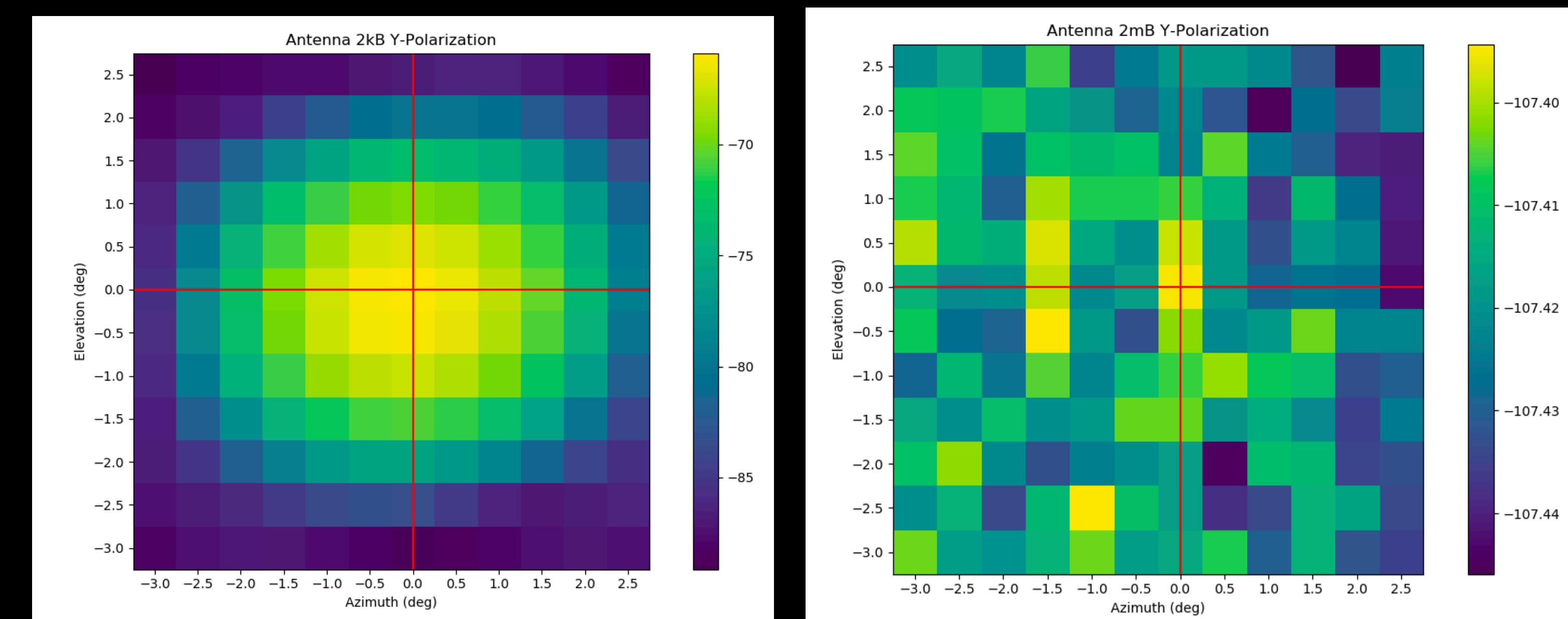
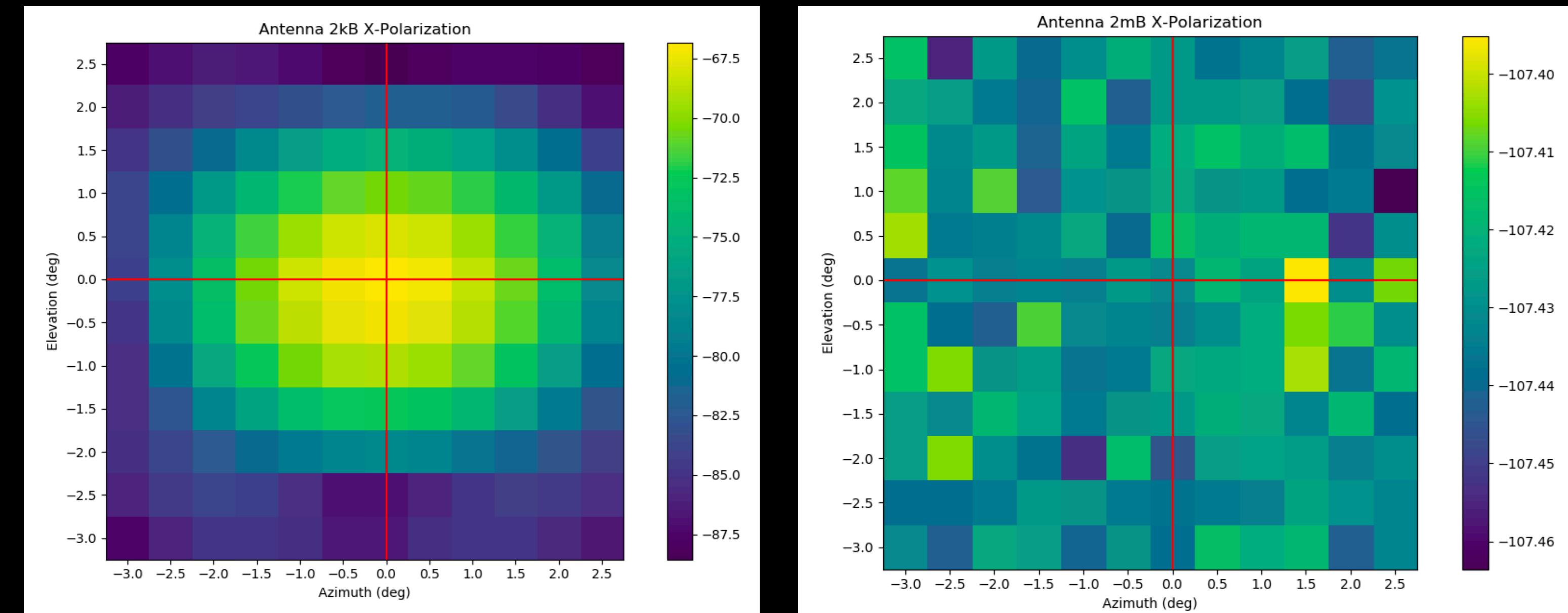
- We checked all input cables out of RFCBs, every input matched.

=> Problem downstream



Debugging 2k

- Unplugged 2k input into RFCBs
- 2m “switched off”
- Therefore problem either inside RFSoCs, or downstream...



2k - part of the mystery solved

fix antlo mapping bug Browse files

rfsoc committed 3 days ago 1 parent 367b549 commit b4ec17bc58ed6361d58ba044f7425f83165637c3

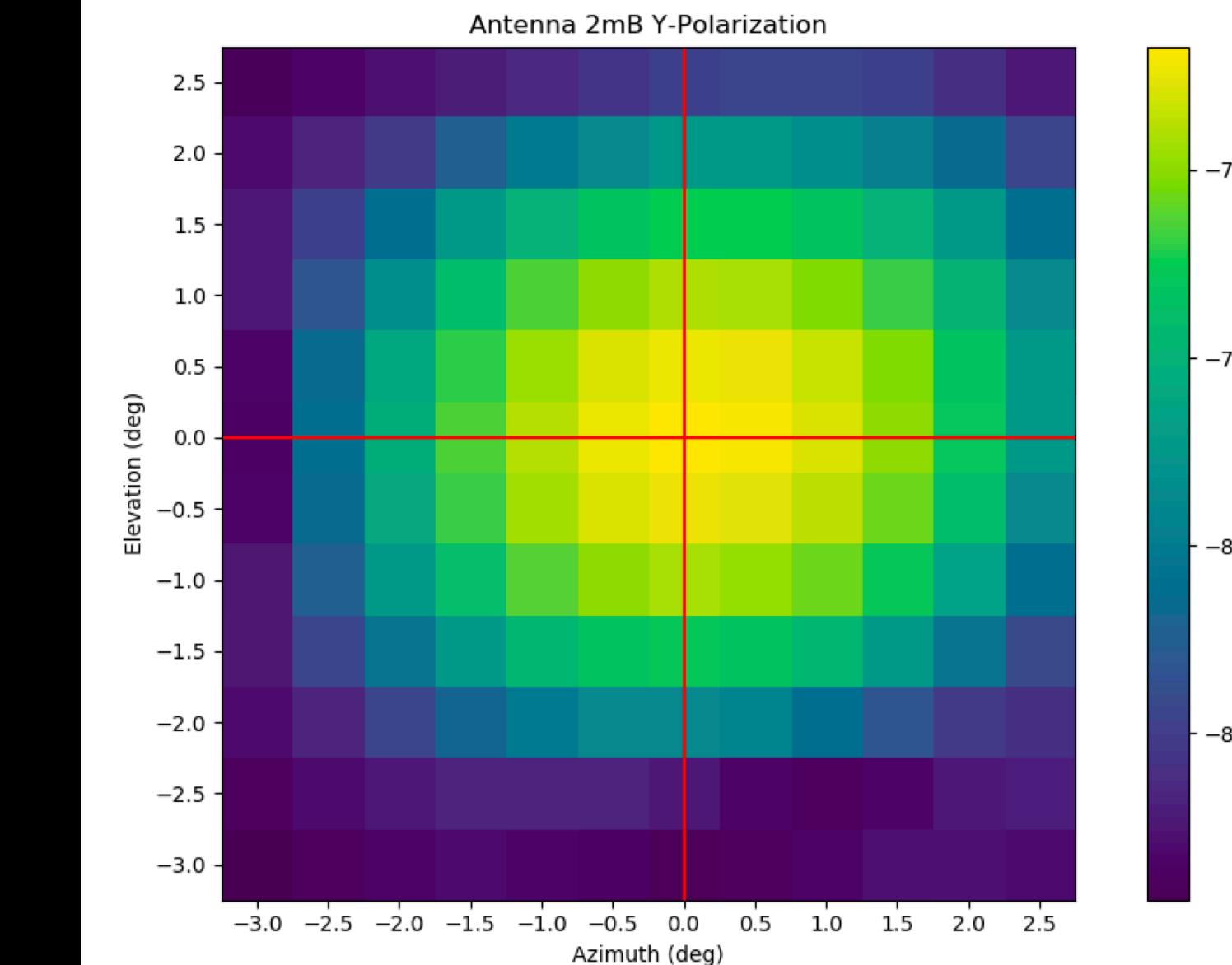
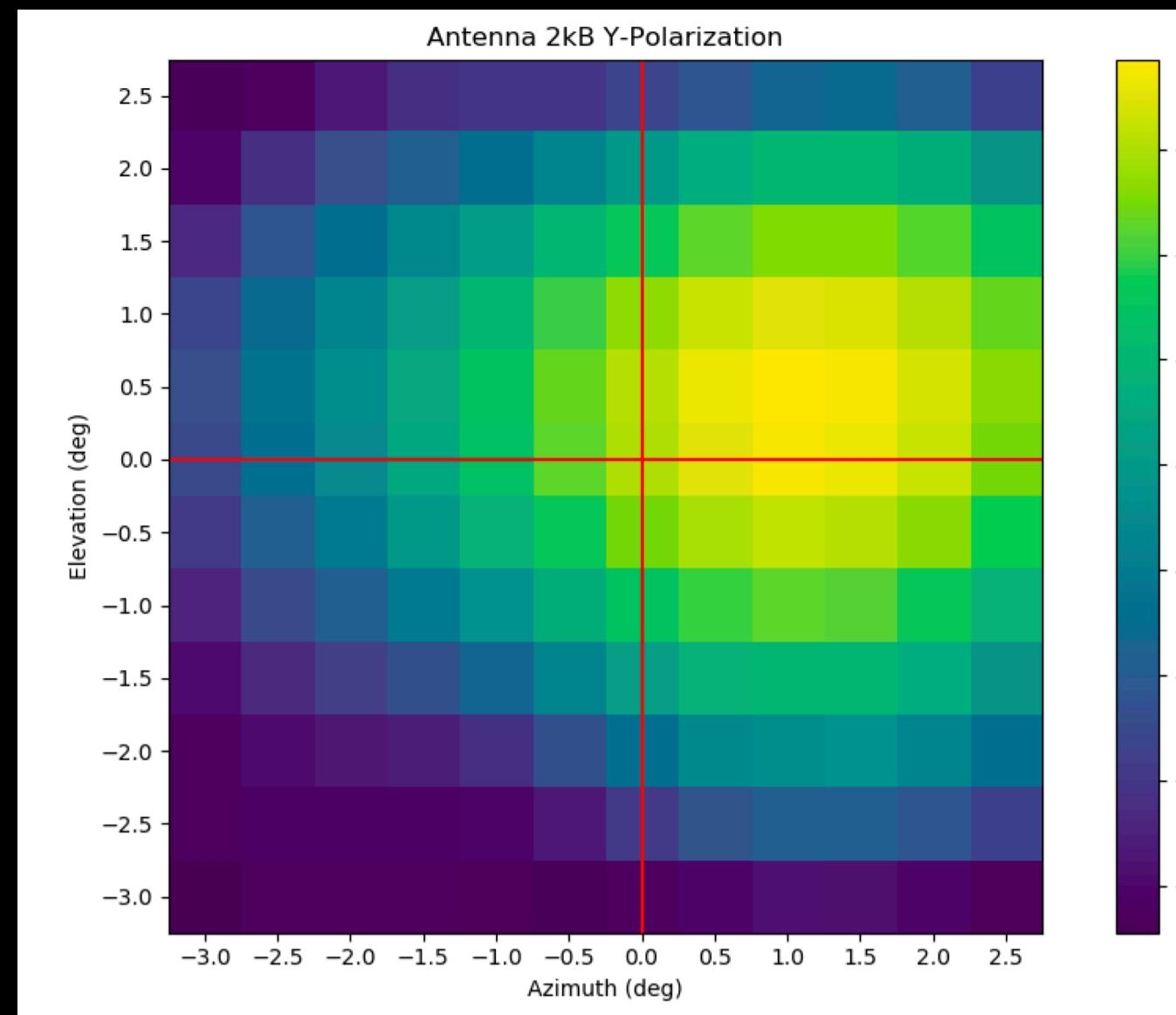
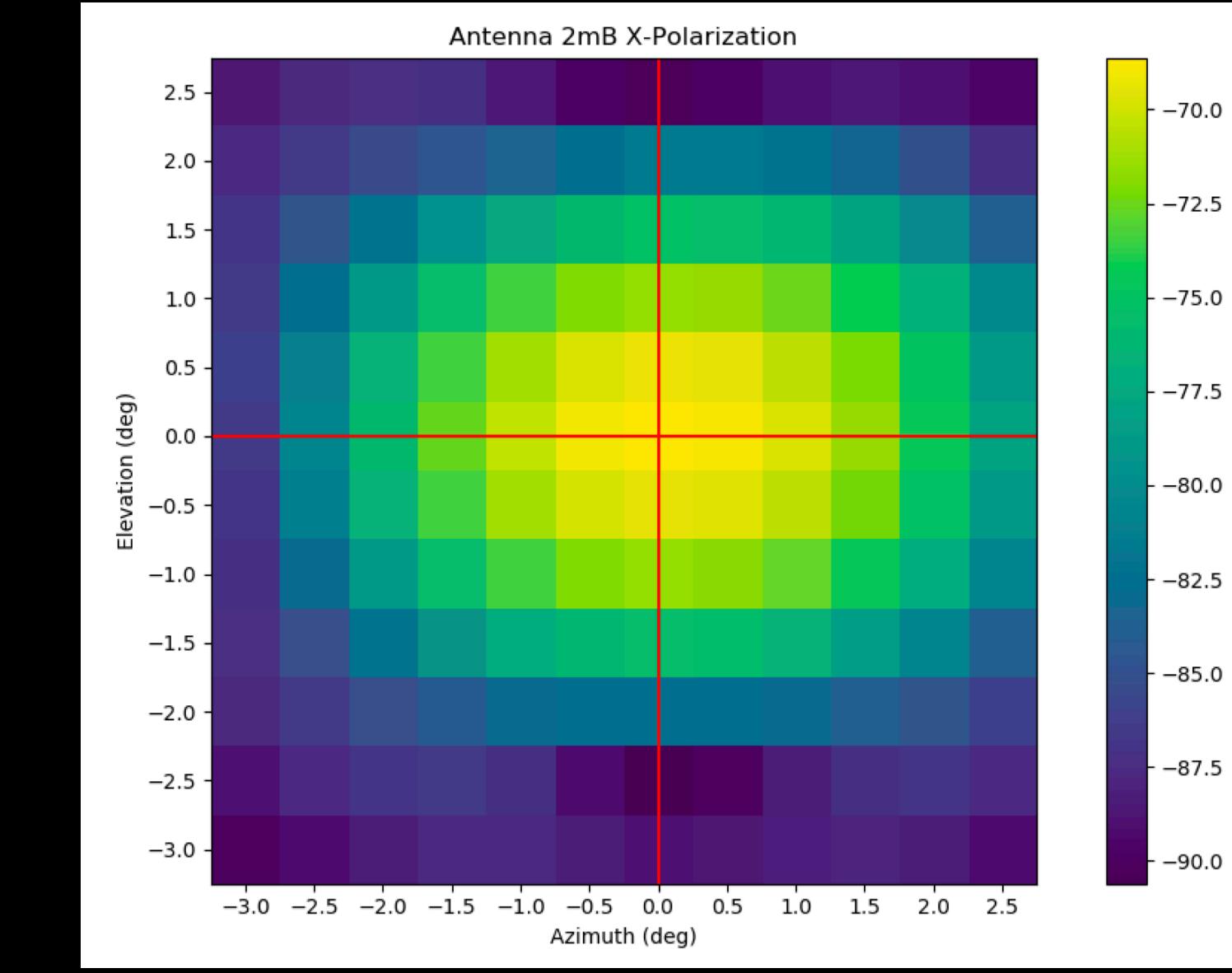
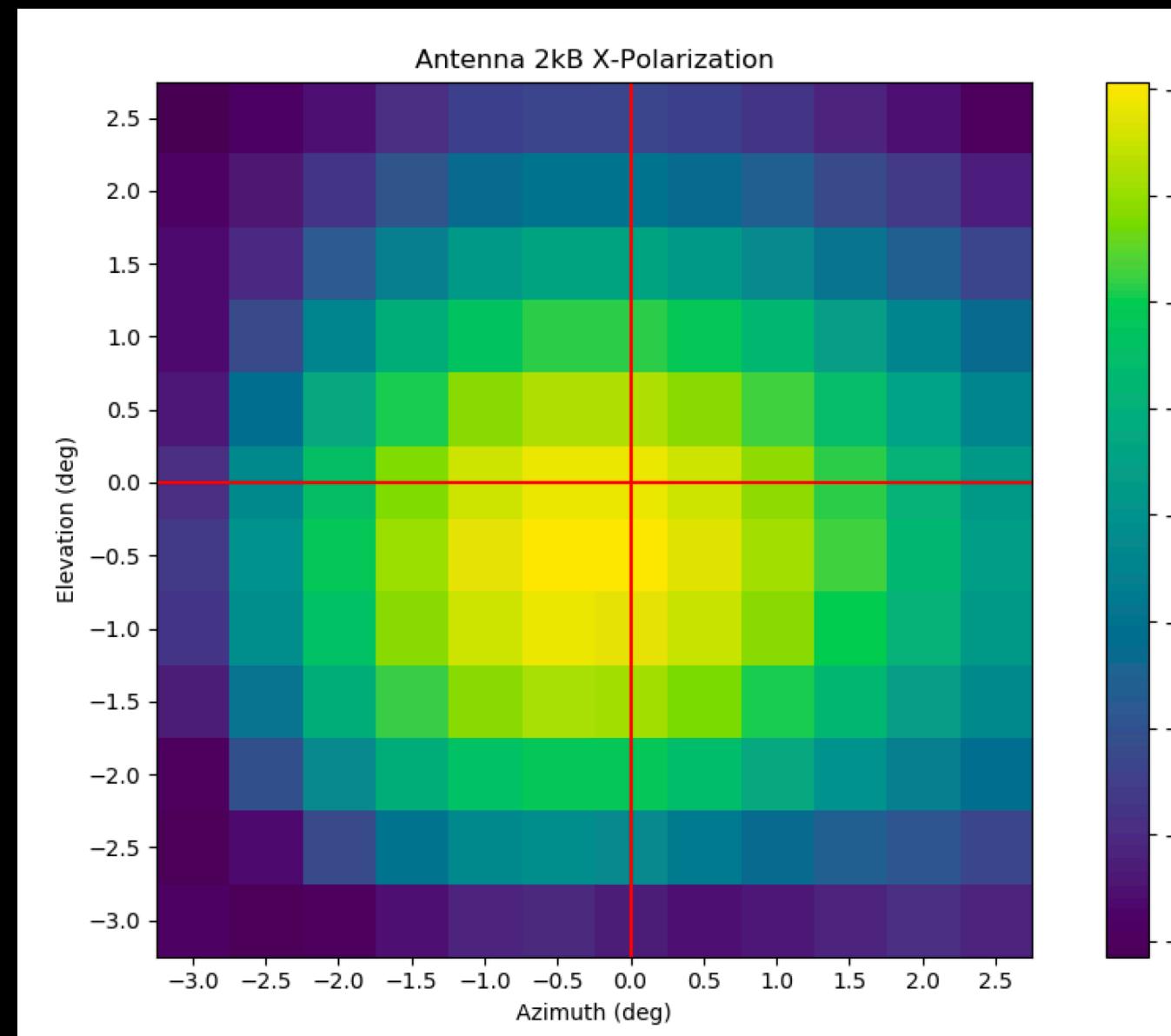
Showing 1 changed file with 1 addition and 1 deletion. Split Unified

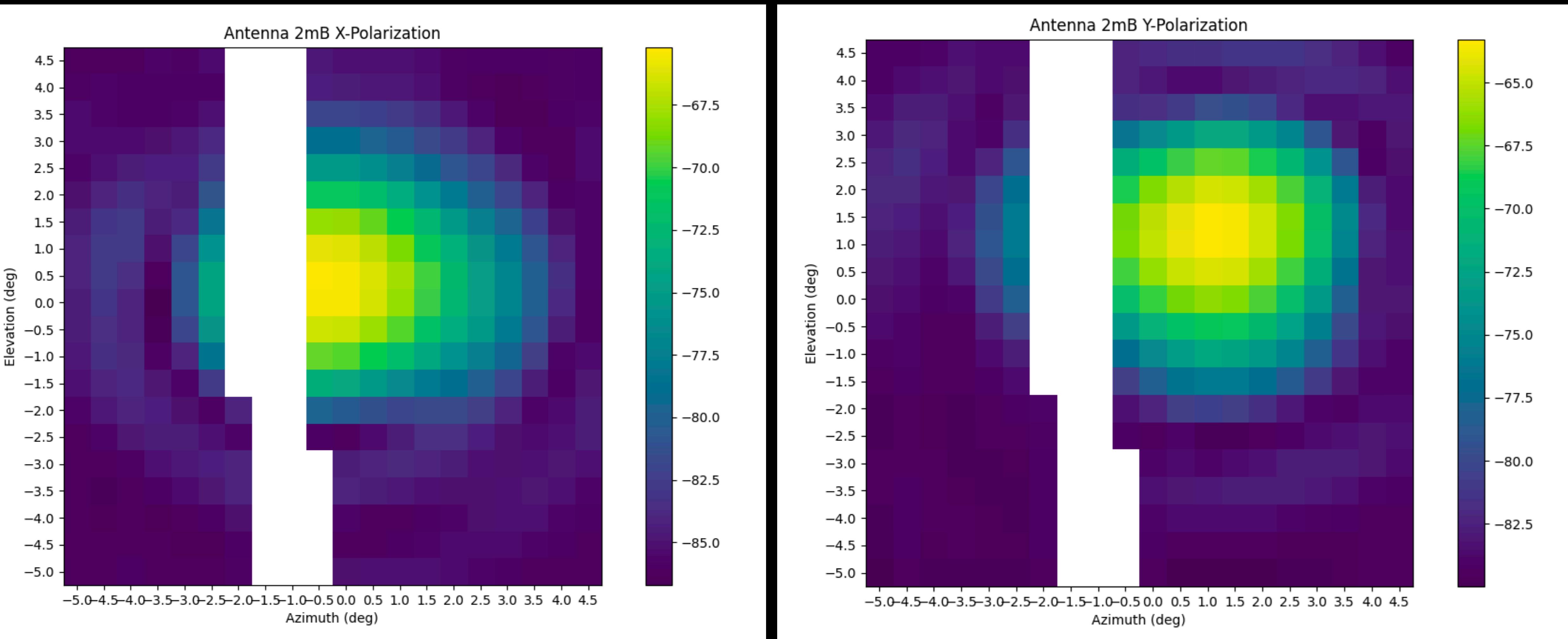
pythonLibs/SNAPobs/snap_dada/snap_dada.py

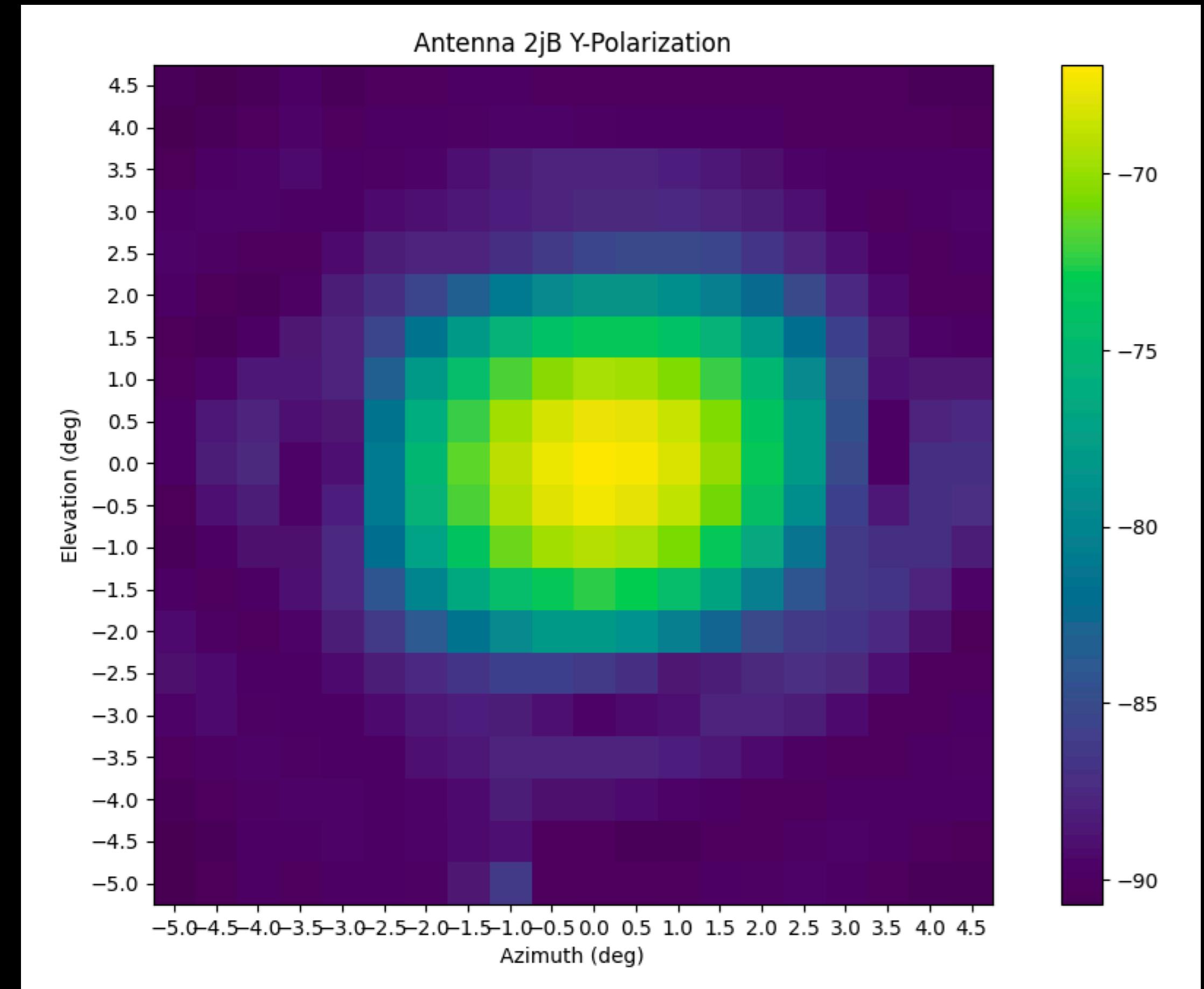
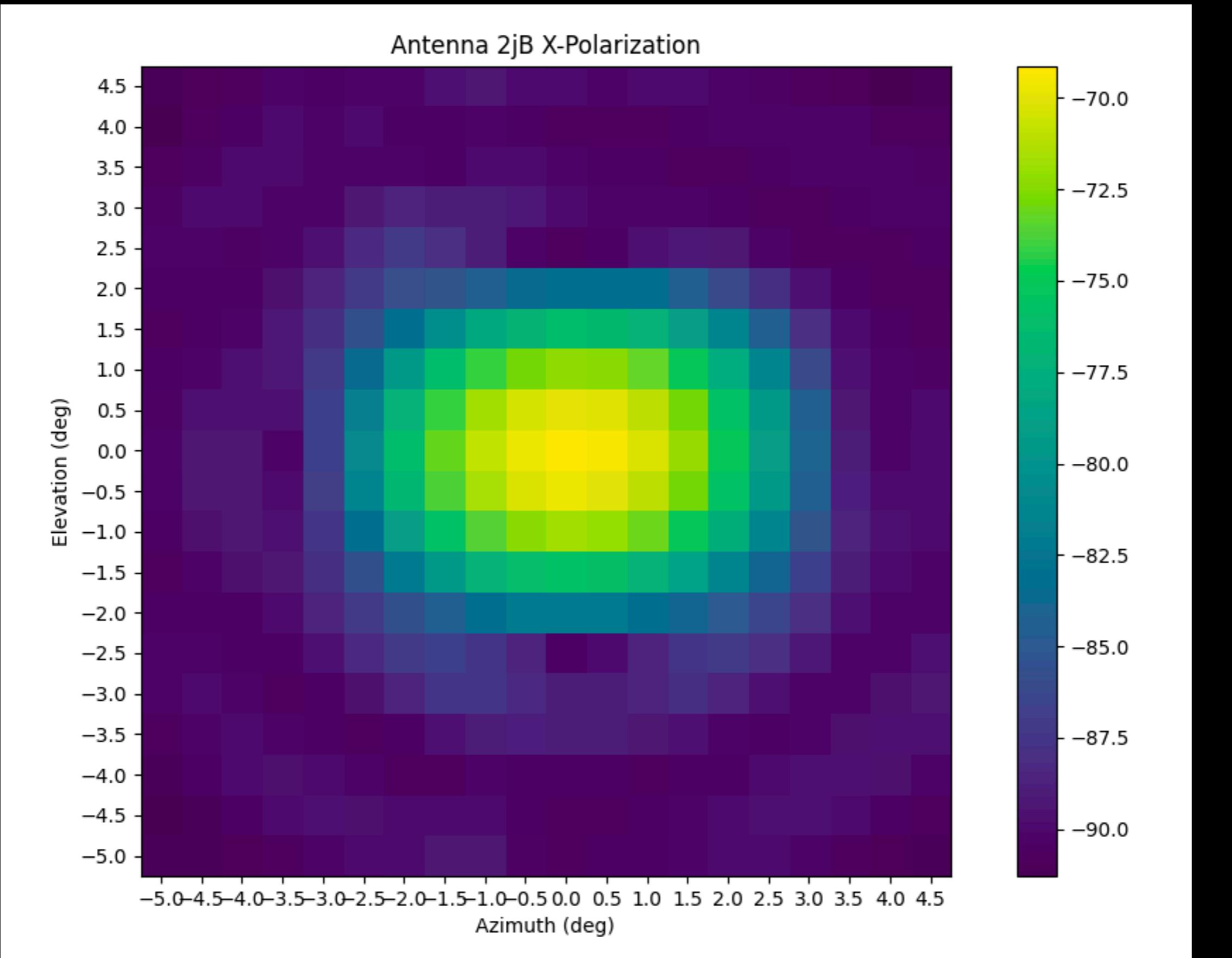
```
@@ -384,7 +384,7 @@ def start_recording(antlo_list, tobs, npolout = 2, ics=False,
384     headers = create_headers(obsParams)
385     header_paths = []
386     #for ant in sub_tab.ANT_name:
387 -    for antlo in antlo_list:
388         header_paths.append(os.path.join(base_obs, antlo,
389             "obs.header"))
390         write_dada_header(header_paths[-1], headers[antlo])
384     headers = create_headers(obsParams)
385     header_paths = []
386     #for ant in sub_tab.ANT_name:
387 +    for antlo in sub_tab.antlo:
388         header_paths.append(os.path.join(base_obs, antlo,
389             "obs.header"))
390         write_dada_header(header_paths[-1], headers[antlo])
```

- Bug in observing script initialization, caused antennas to record to wrong antenna directories
Introduced in the SNAP <-> RFSoC transition
- Hint when we unplugged antennas input fiber into RFCBs, saw that the wrong antenna was “muted”

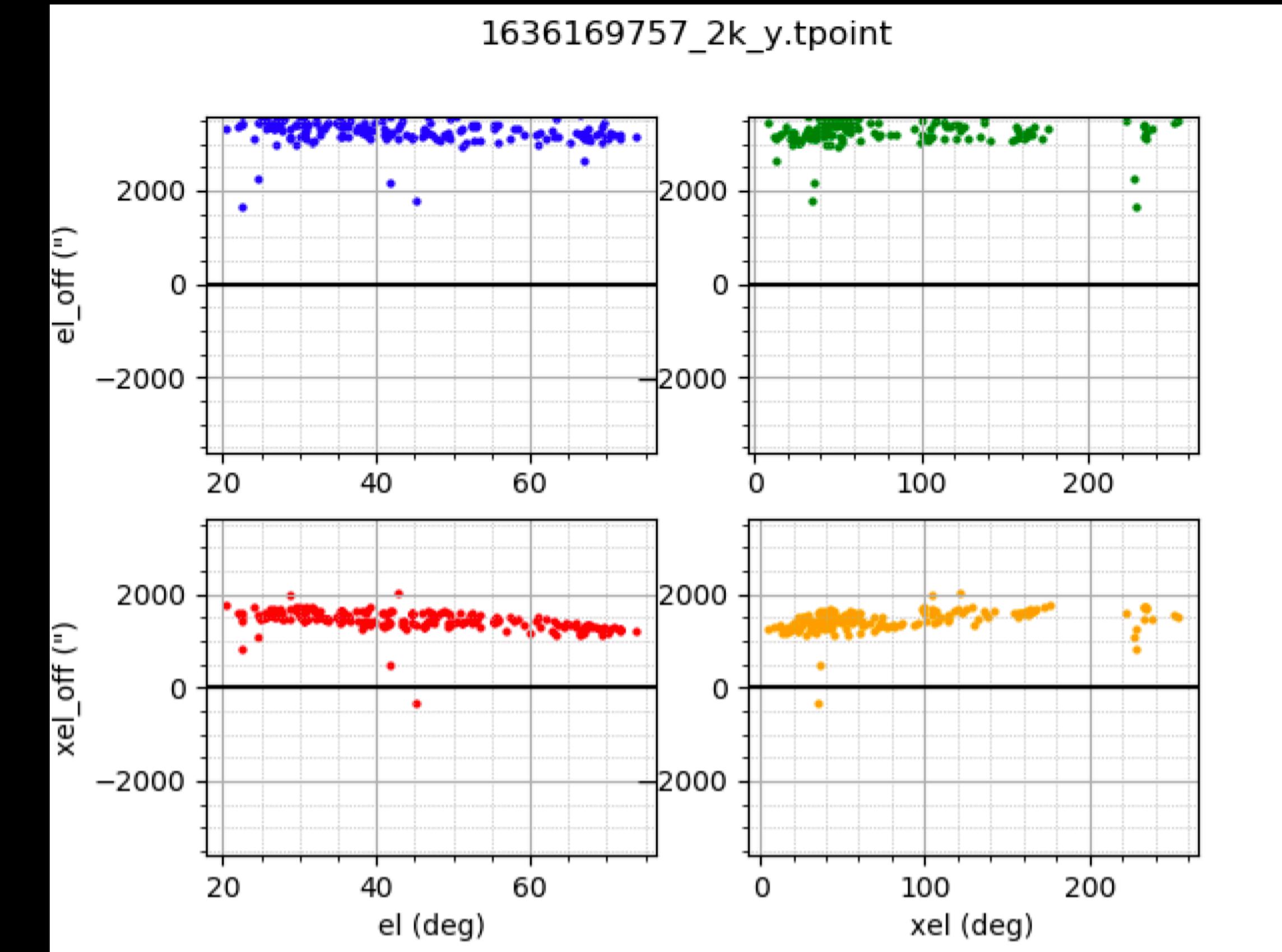
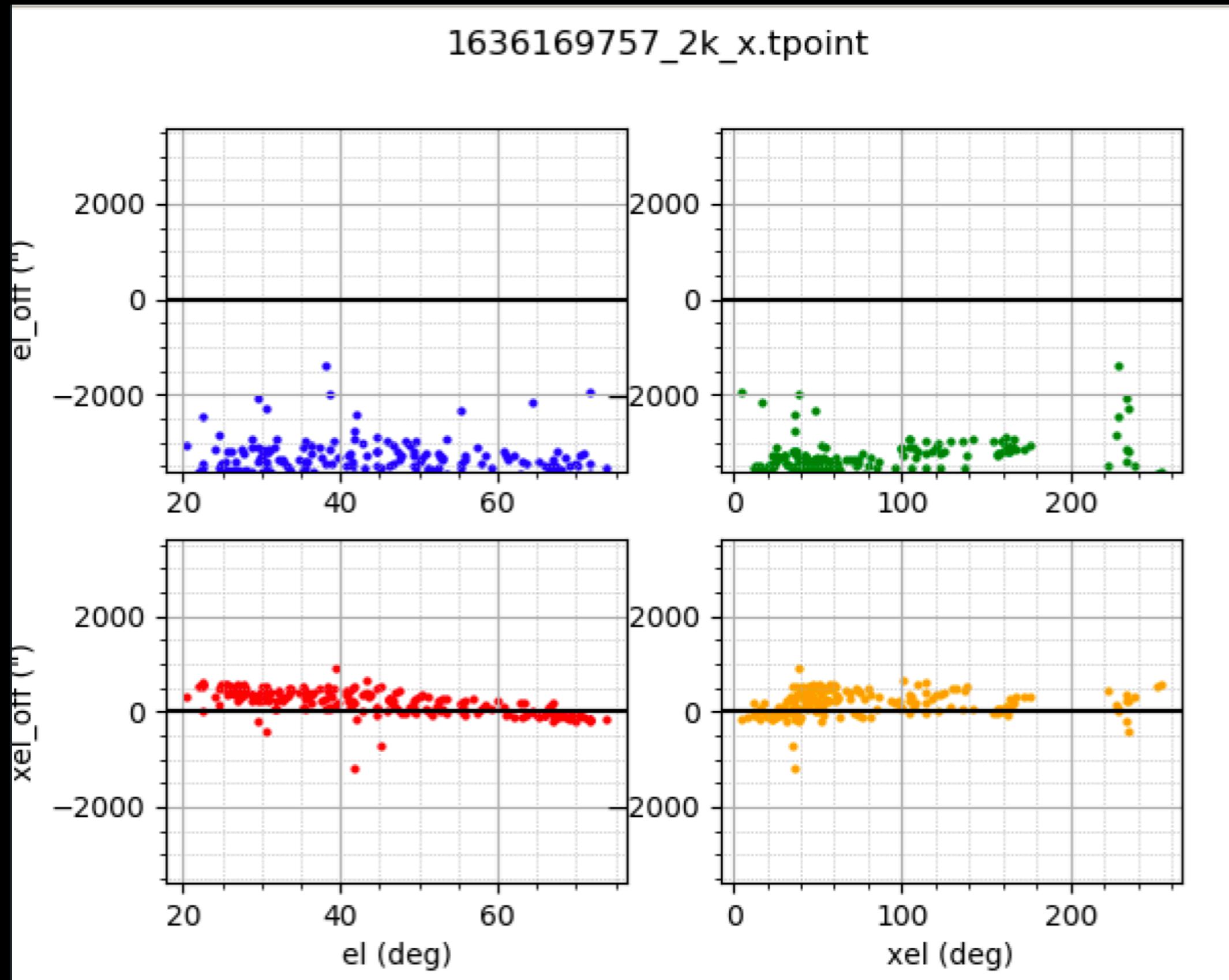
Back on sky - raster with 2k after fix



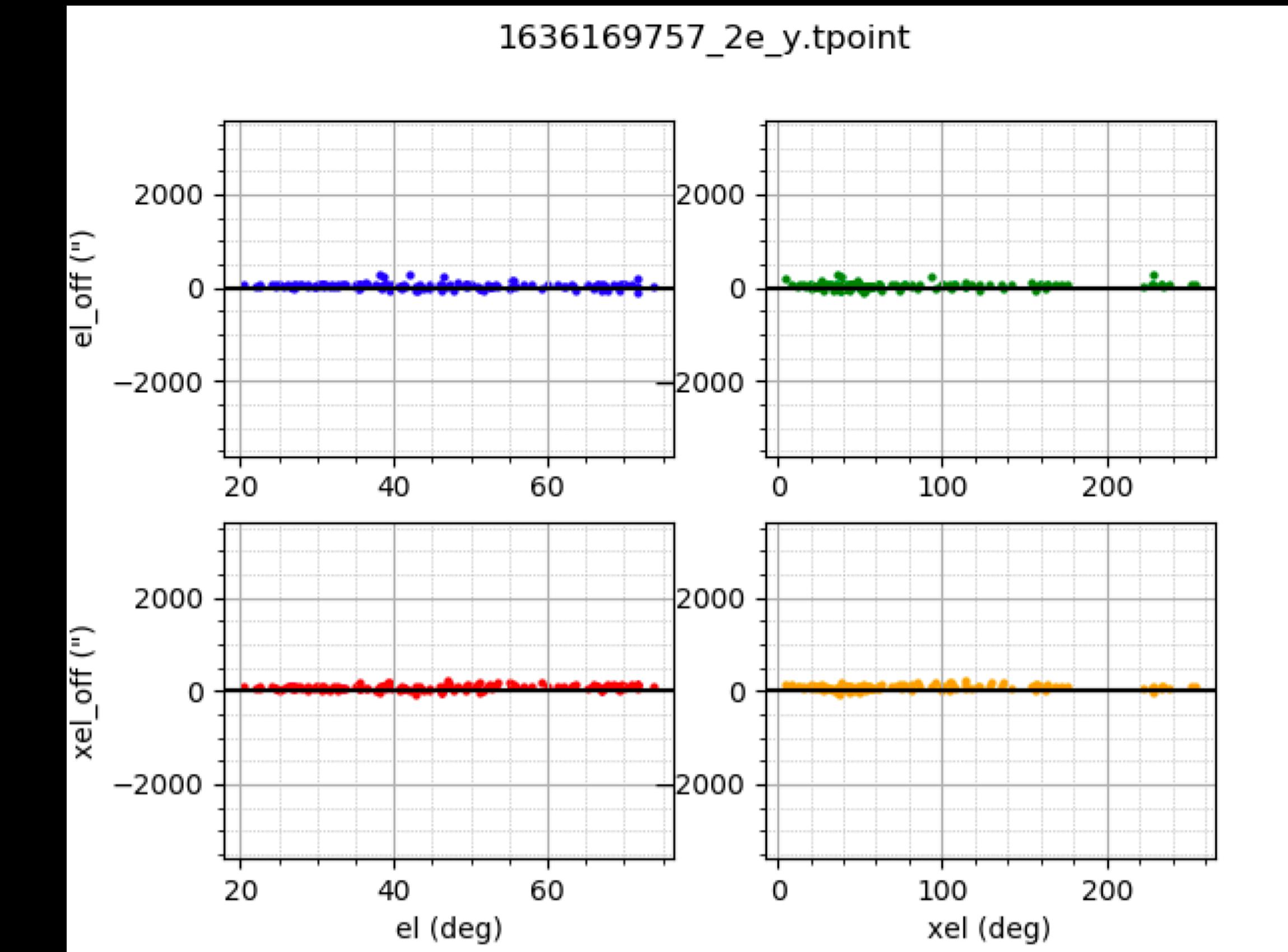
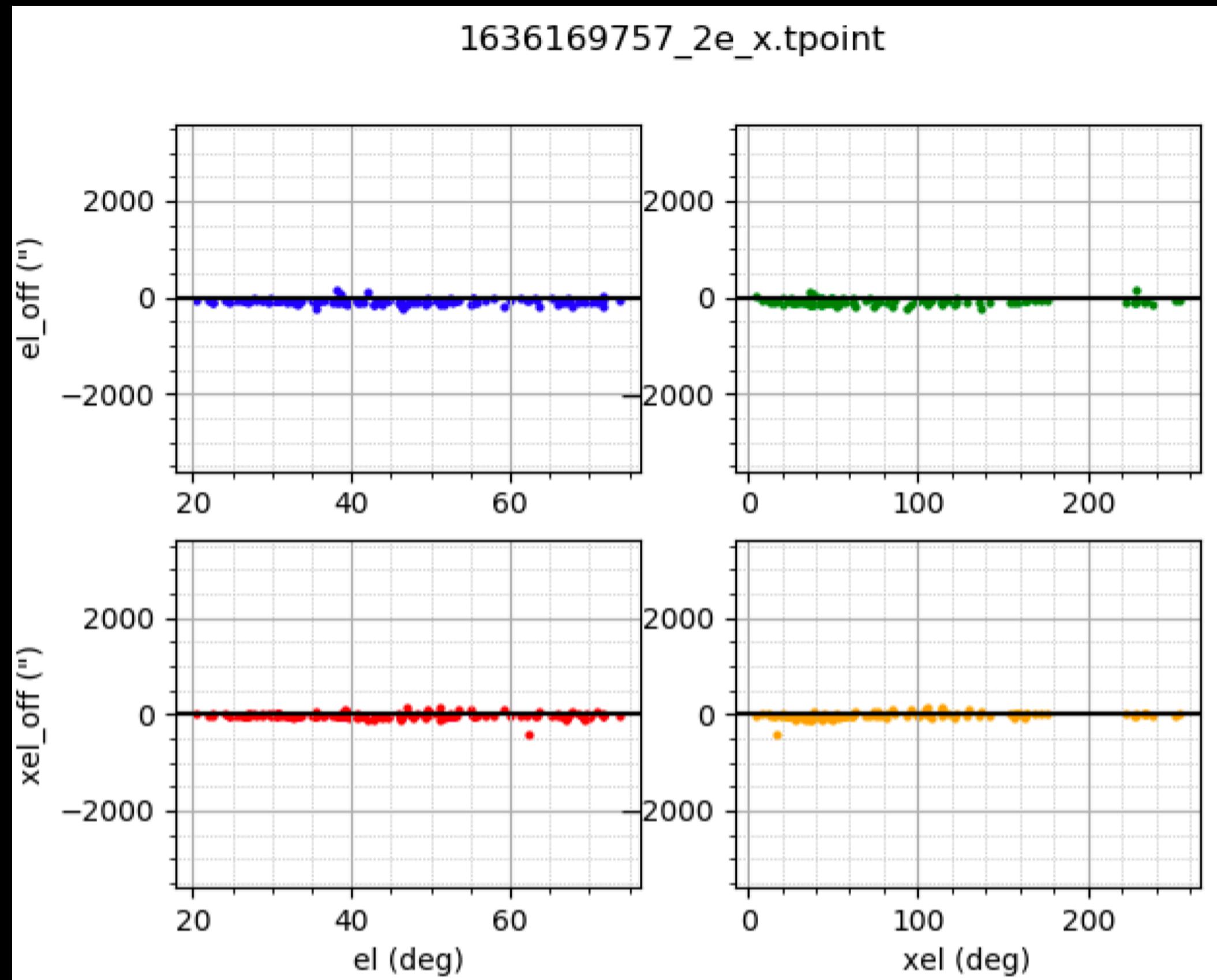




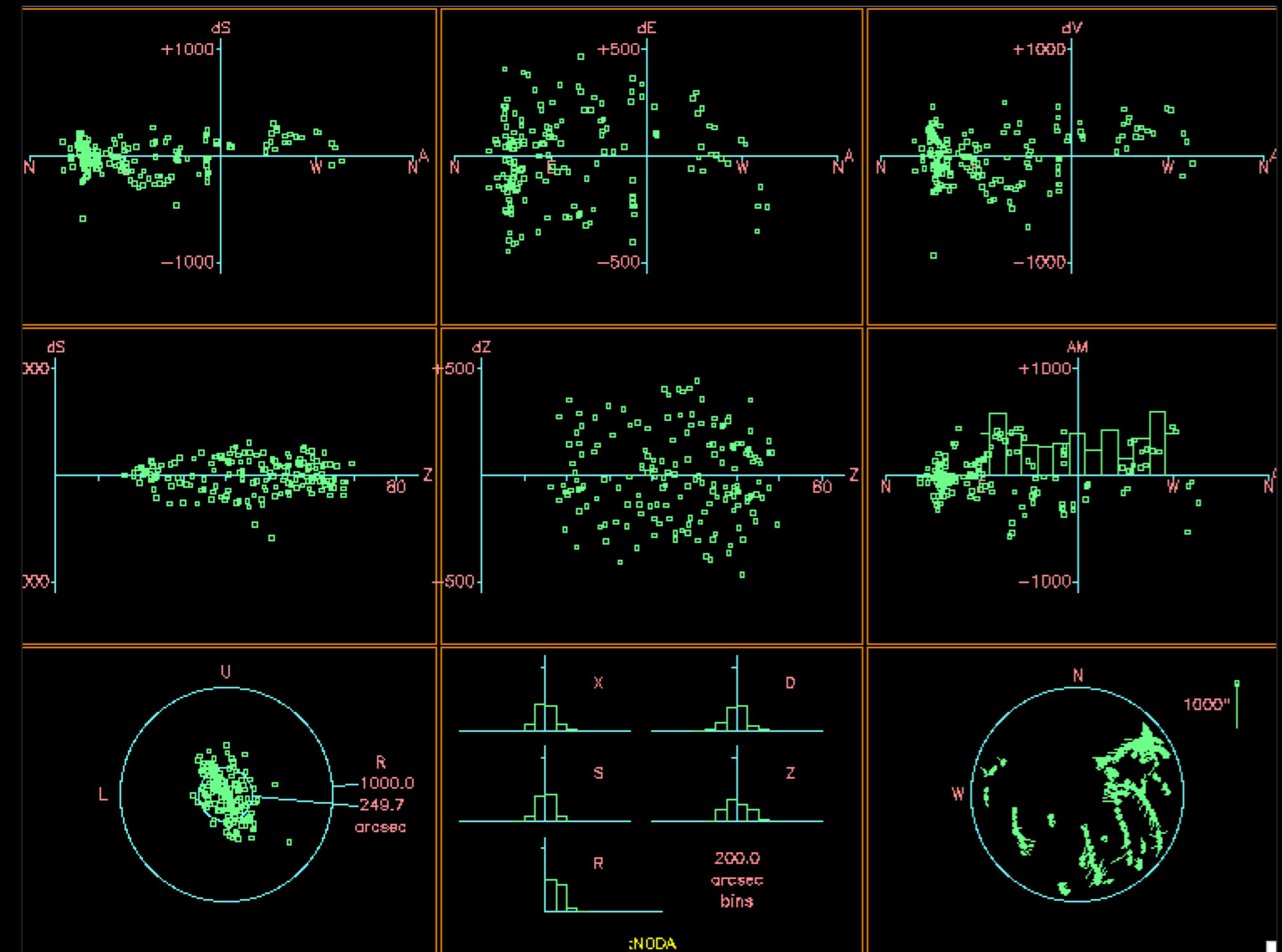
GPS satellite observation over weekend



GPS satellite observation over weekend



TPOINT fit - 2k



TPOINT fit - 2e

