

Execution Block Summary

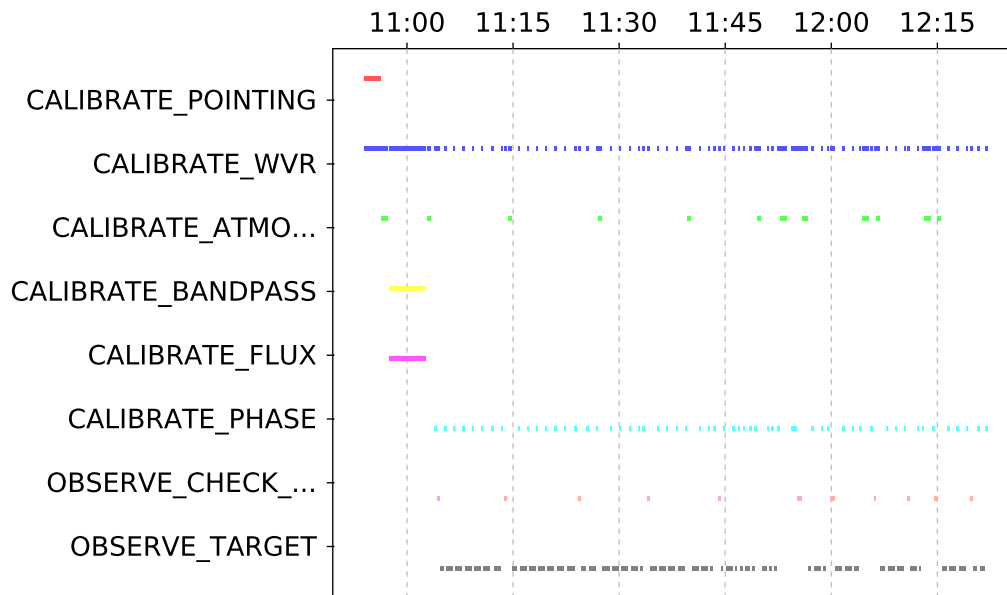
Project Code	2016.1.01164.S	SchedBlock	DK_Tau_a_06_TM1
ExecBlock	uid://A002/Xc412e1/X3295	ExecBlock Status	SUCCESS
QA0 Status	✓ Pass	Exec. Fraction	1.00
Repr. frequency	217.988 GHz (Sky)	Band	ALMA_RB_06
Array	12 [m]	Baselines	21m -- 3696m
Antennas	null		
Weather	PWV 1.41 mm; Wind 3.55 m/s; Humidity 15.24 %; Pressure 538.64 hPa; Phase rms: N/A microns		
QA0 comment	<p>FINAL QA0 COMMENT:</p> <p>=== QA0 summary for id://A002/Xc412e1/X3295 ===</p> <p>Usable antennas: 44 using BLC</p> <p>Phase rms (Antenna,phaseCal): 39.7 deg (=143.4um) 2 antennas exceed limit</p> <p>Baseline limit with good phase (80%): 2374m. Resolution: 0.113 arcsec</p> <p>PWV: 1.35 mm WVR improvement factor: 1.73</p> <p>Bandpass cal: J0510+1800 Approx. flux: 0.50 Jy SNR: 163.07 possible channels with SNR>30: 5</p> <p>Phase cal: J0435+2532 Approx. flux: 0.032 Jy SNR: 66.54</p> <p>Number of completed cycles of science/phaseCal: 56</p> <p>Fraction of all cal data to be flagged: 11.91 %</p> <p>Band observed: 6 Highest recommended: 6-7</p> <p>Major system issues:</p> <p>Antennas not considered usable & flagged: DA50</p> <p>DA50 Amplitude fluctuation 1652% =8072.9 MAD</p> <p>DA50 Mean Antenna-based phaseCal difference: 95.6 degrees (=3.90 times fit)</p> <p>DA50 Mean Antenna-based phaseCal differences: 95.6 degrees (=3.6 times top 20%)</p> <p>DA50: 75% of spws*polns flagged on first ATM cal :</p> <p>DA50: Phase: 100% of spws flagged on 67% of phase cals : Phase noise 48.6x sigma on most baselines</p> <p>QA0 PASS</p> <p>no significant problems</p>		
QA0 warnings	<p>Achieved angular resolution is outside the expected range. Observed: 0.10, requested: 0.10 - 0.13</p> <p>Achieved maximum recoverable scale is more than 30% different to the values expected</p>		

Times on sources

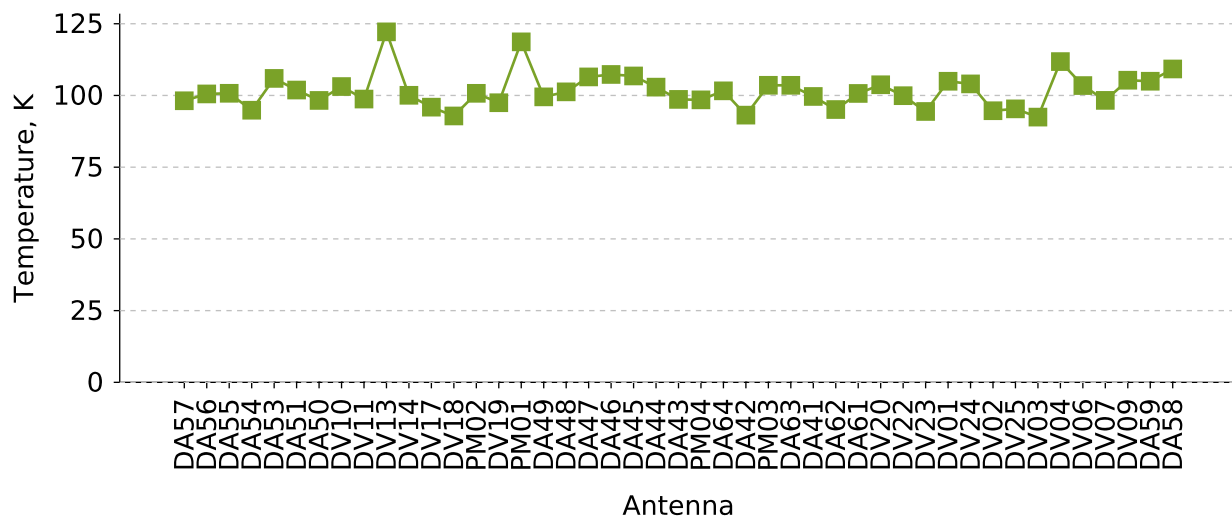
OBSERVE_TARGET (V409_Tau, DH_Tau, GI_Tau, HO_Tau, UZ_Tau, BP_Tau,	38.02min (37.77min expected)
CALIBRATE_ATMOSPHERE (J0426+2327, DH_Tau, J0422+3058,	7.70min
CALIBRATE_BANDPASS (J0510+1800)	5.15min
CALIBRATE_FLUX (J0510+1800)	5.15min
CALIBRATE_PHASE (J0426+2327, J0422+3058, J0440+2728, J0435+2532)	16.20min
CALIBRATE_POINTING (J0510+1800)	2.33min
CALIBRATE_WVR (J0426+2327, J0429+2724, DH_Tau, J0422+3058,	35.80min
OBSERVE_CHECK_SOURCE (J0429+2724, J0426+2952, J0435+2532)	4.42min

Execution fraction

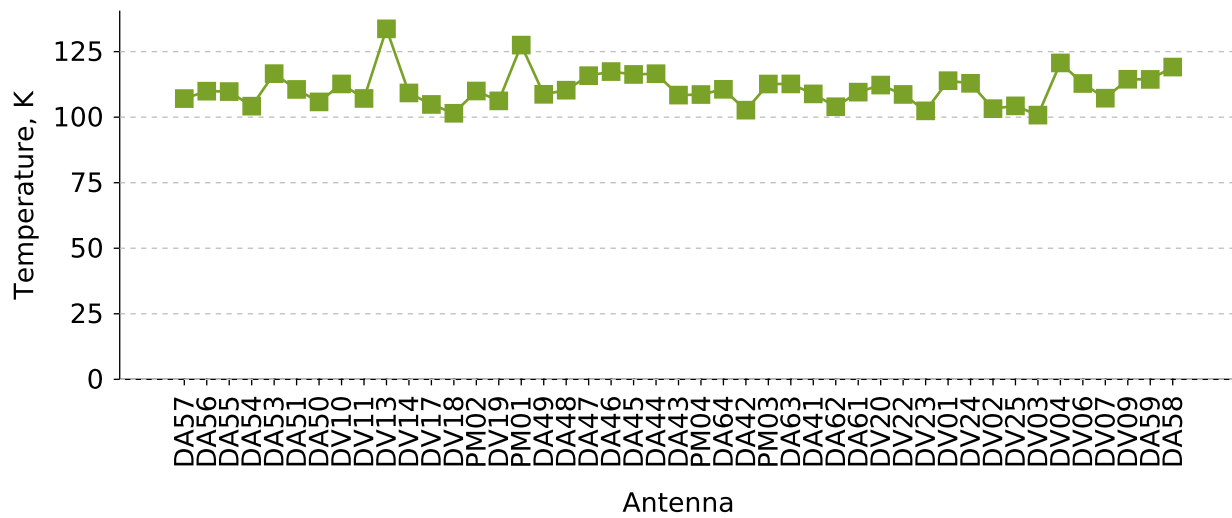
Scans diagramm



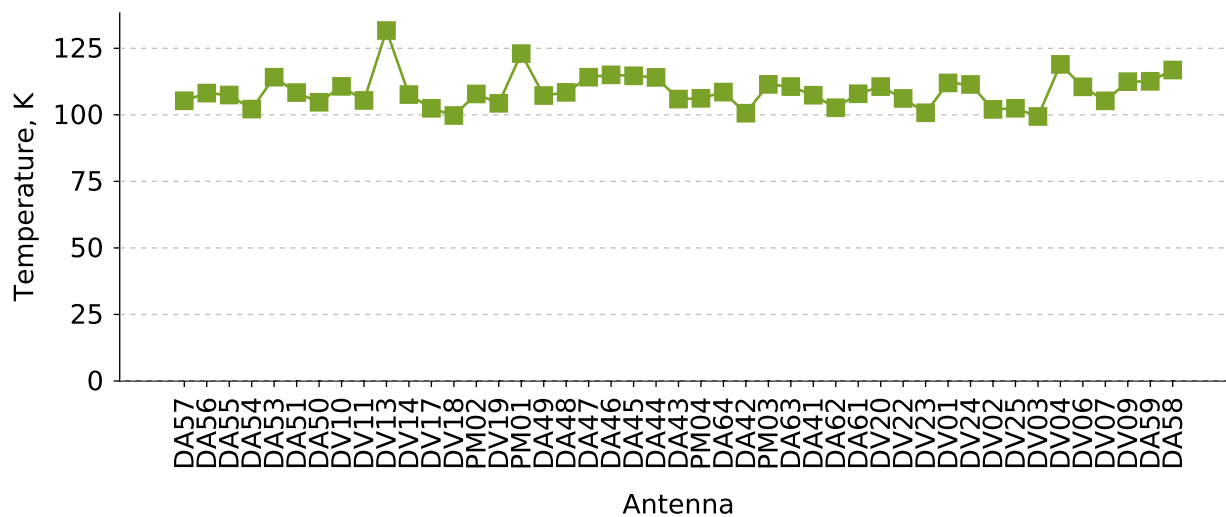
Source: DH_Tau



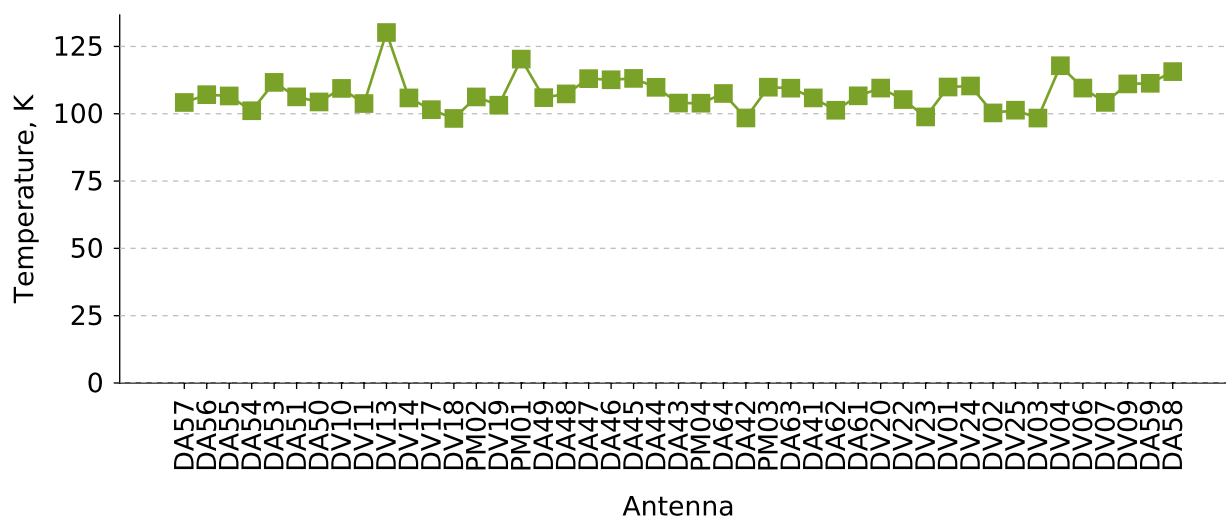
Source: J04223058



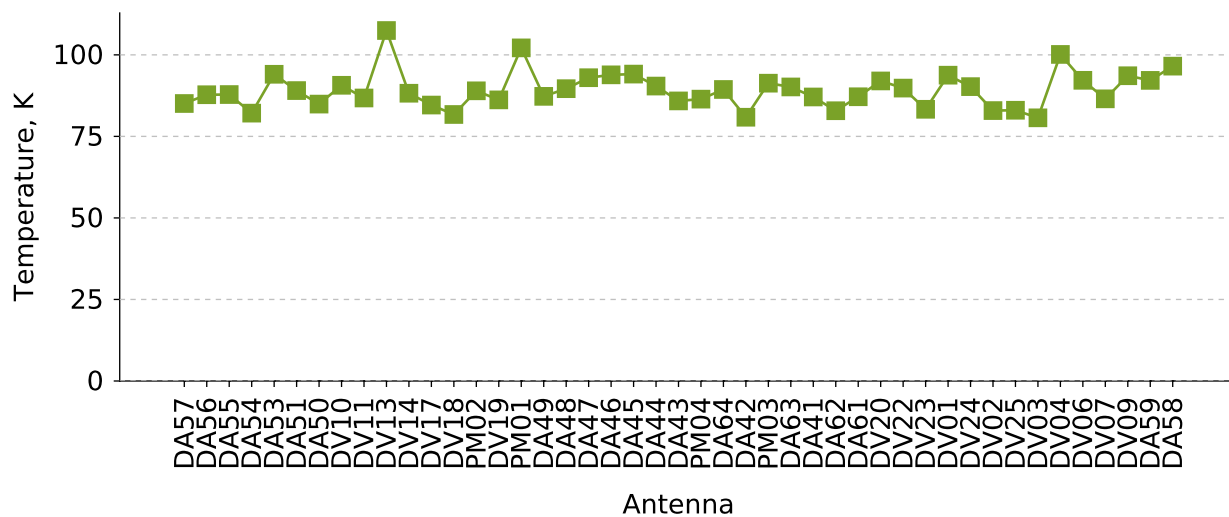
Source: BP_Tau



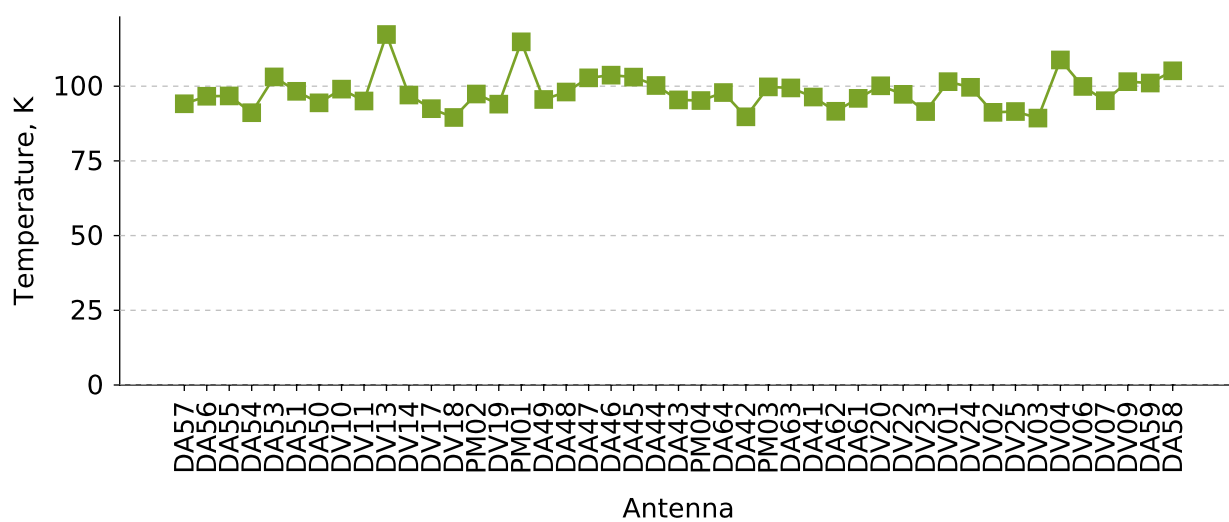
Source: IP_Tau



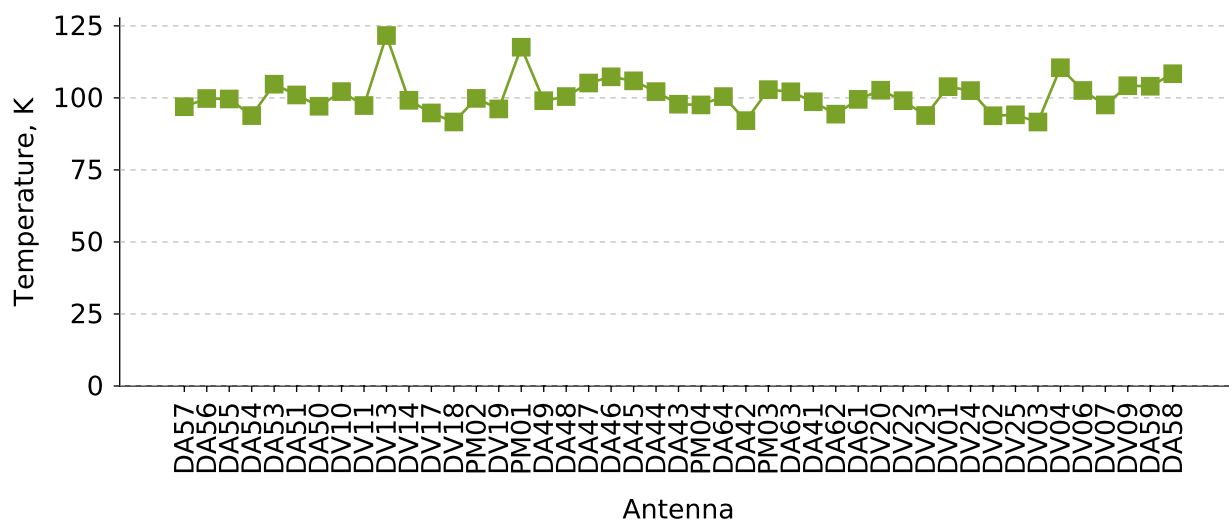
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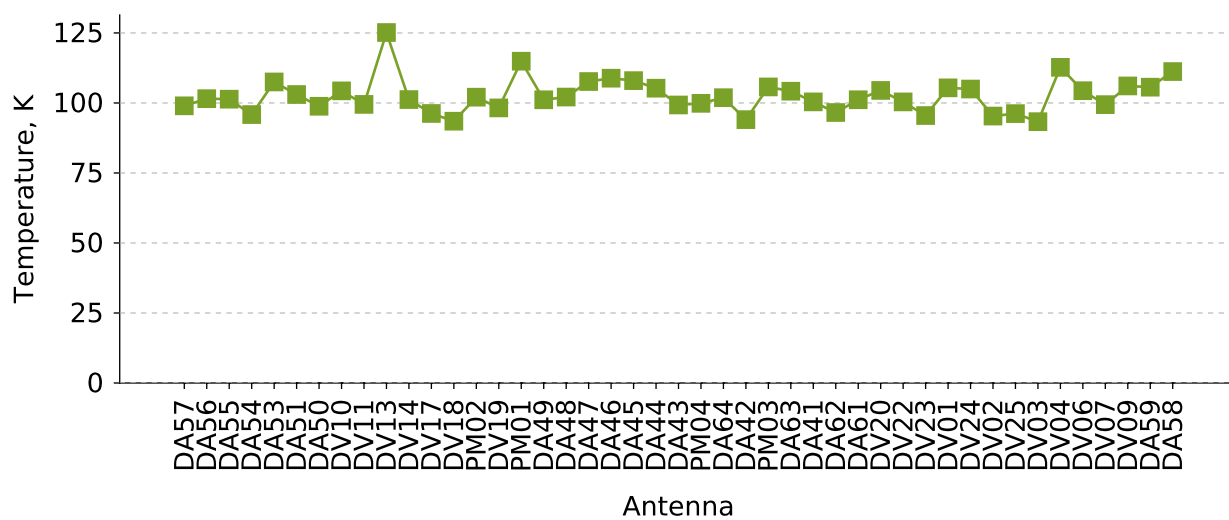
Source: HK_Tau



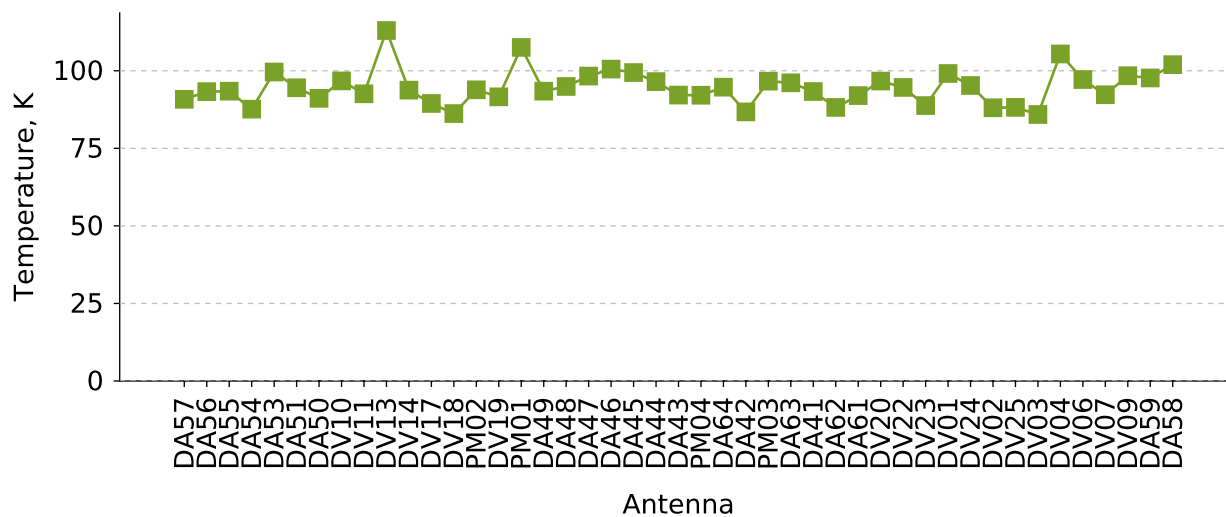
Source: J04402728



Source: J04352532

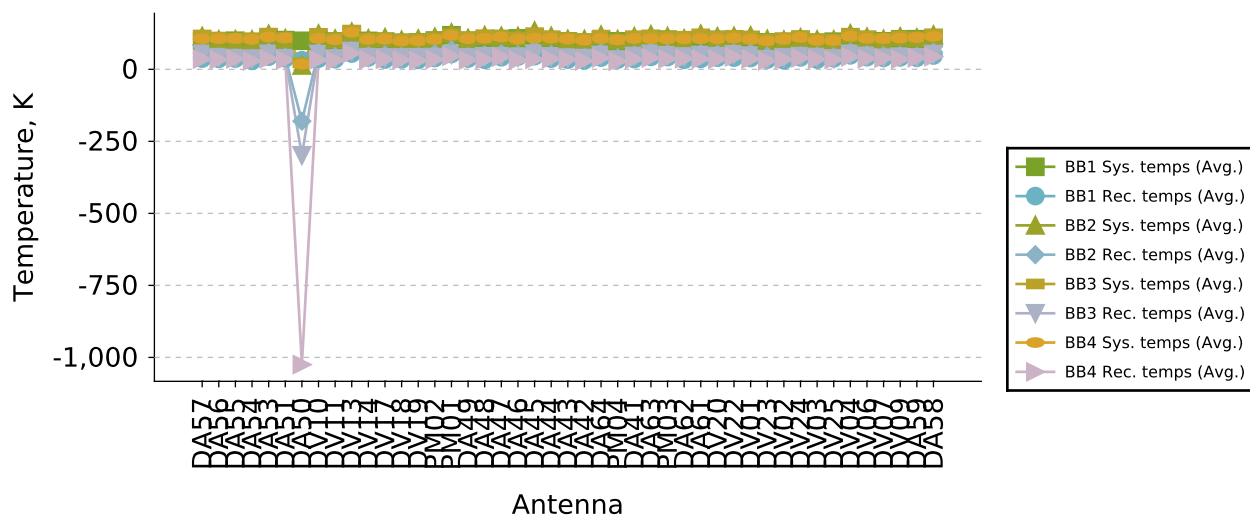


Source: J04262327

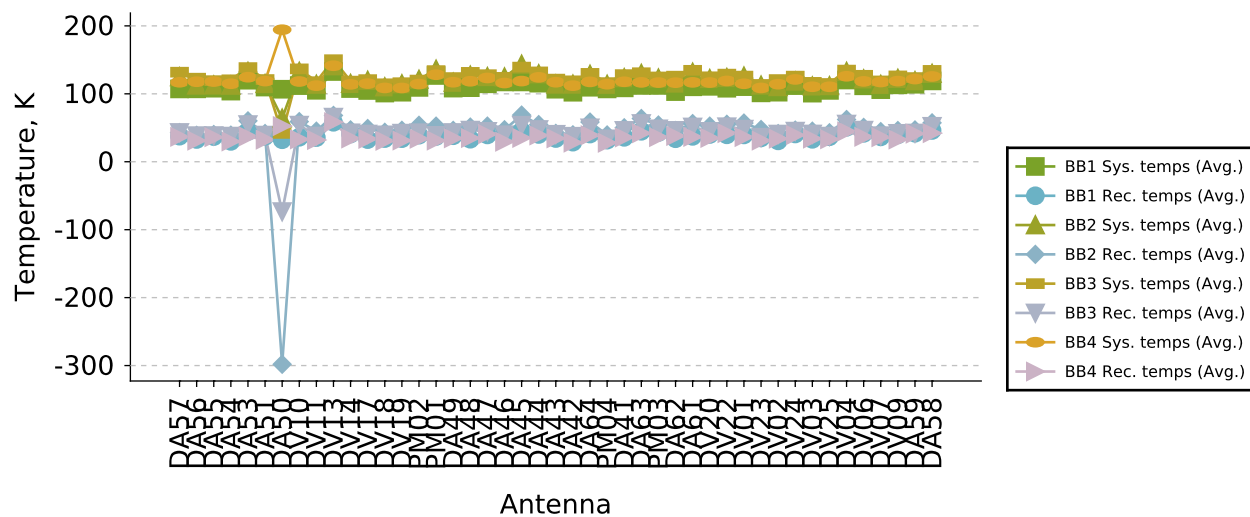


Atmosphere calibrations (all basebands)

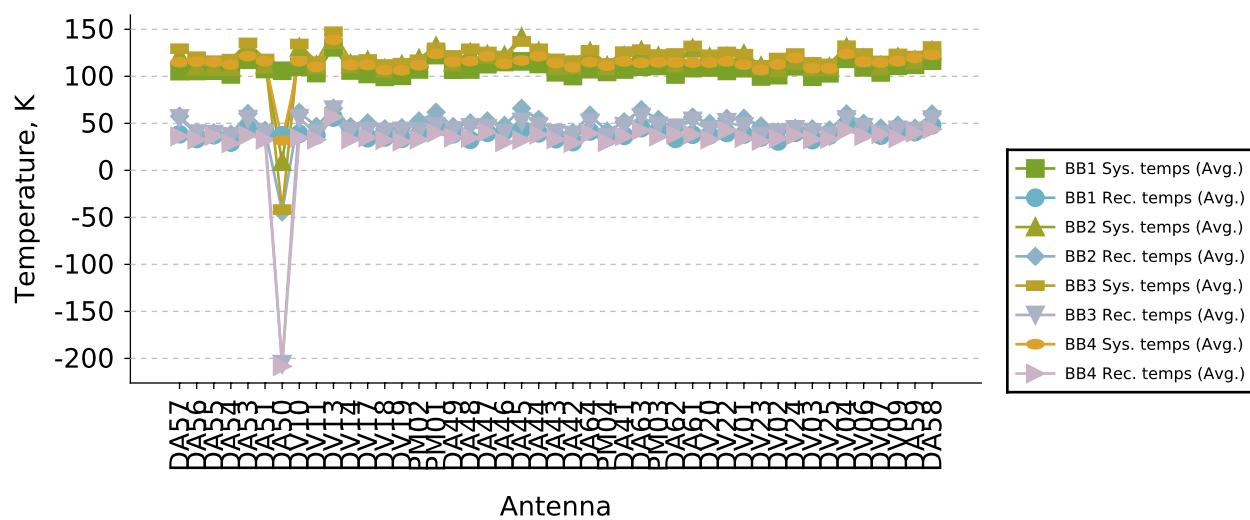
Source: DH_Tau



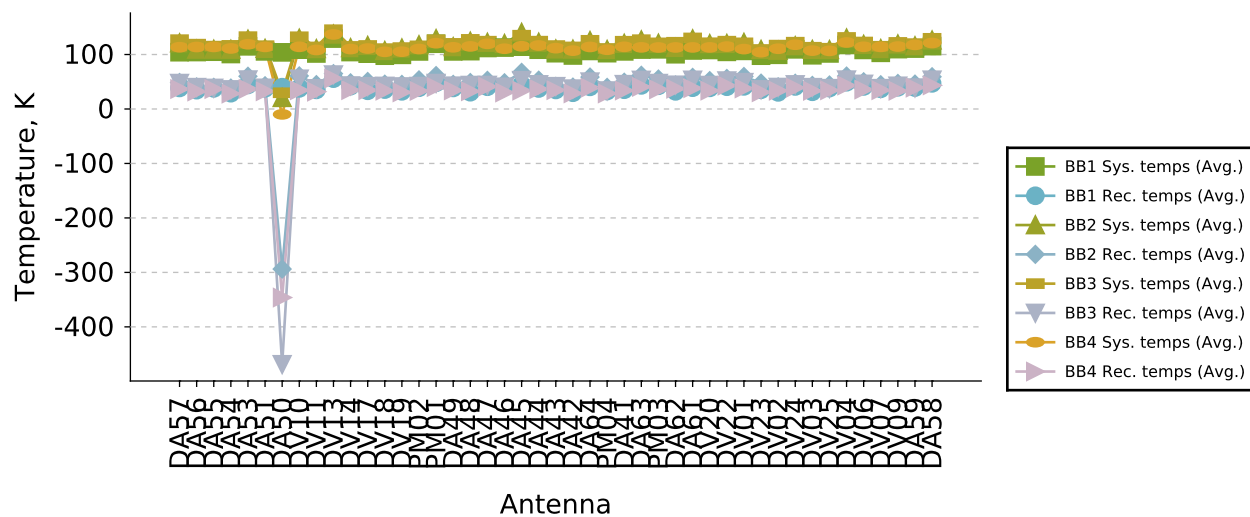
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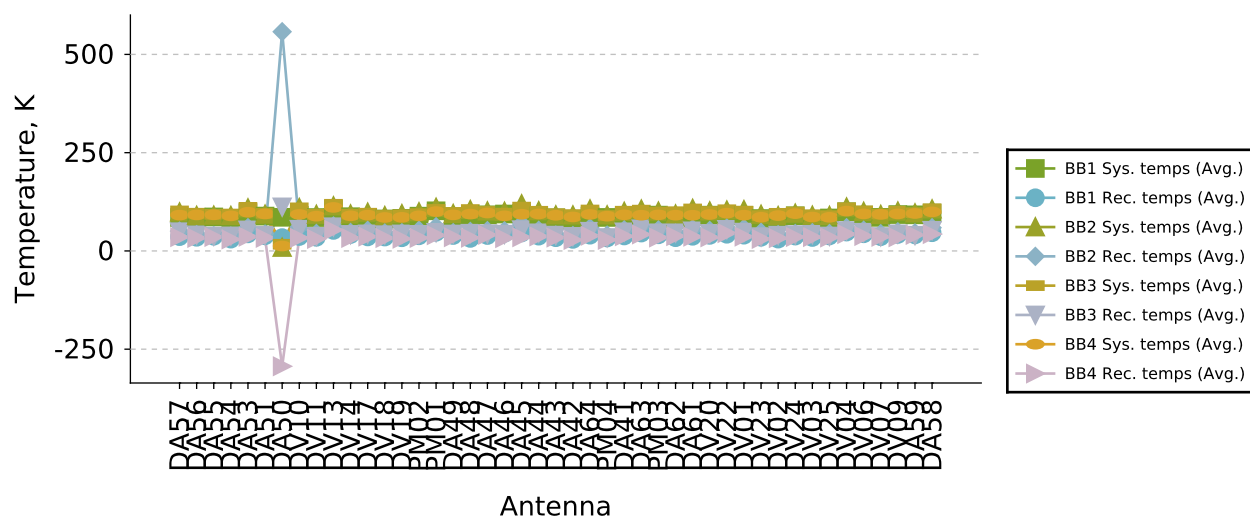
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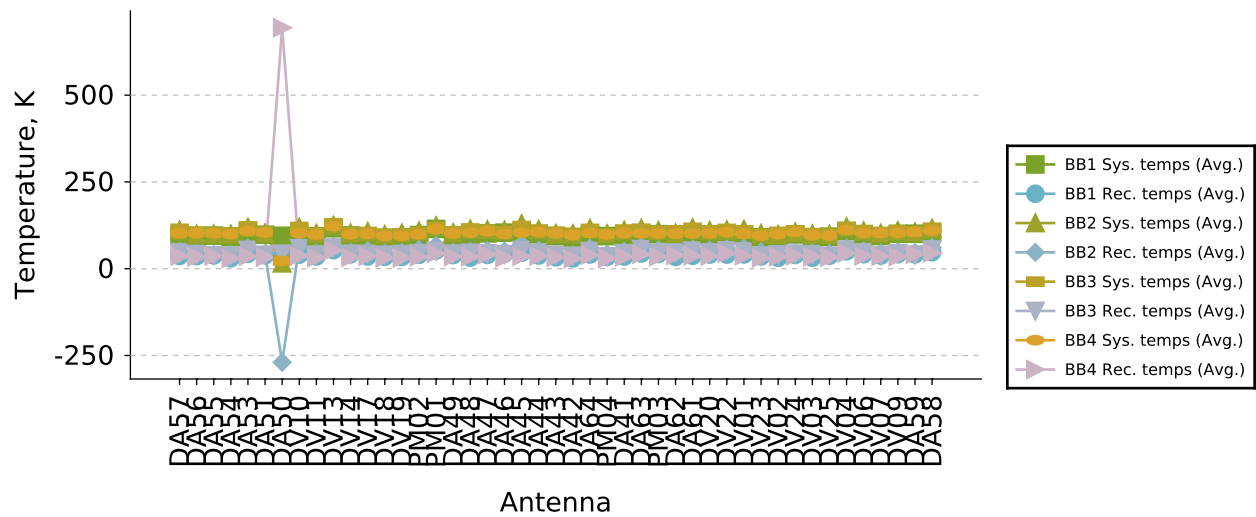
Source: IP_Tau



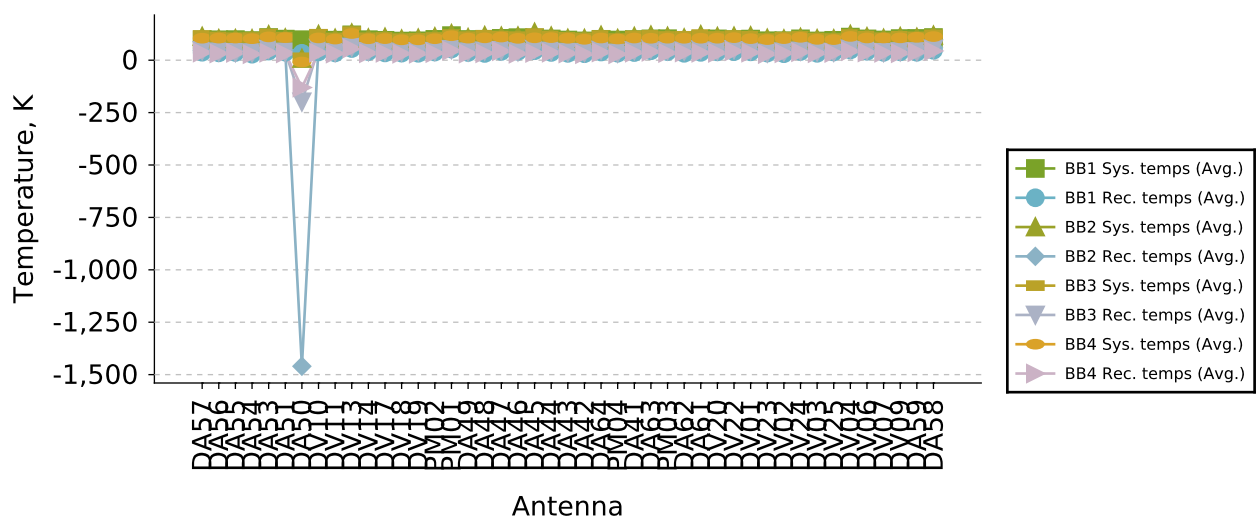
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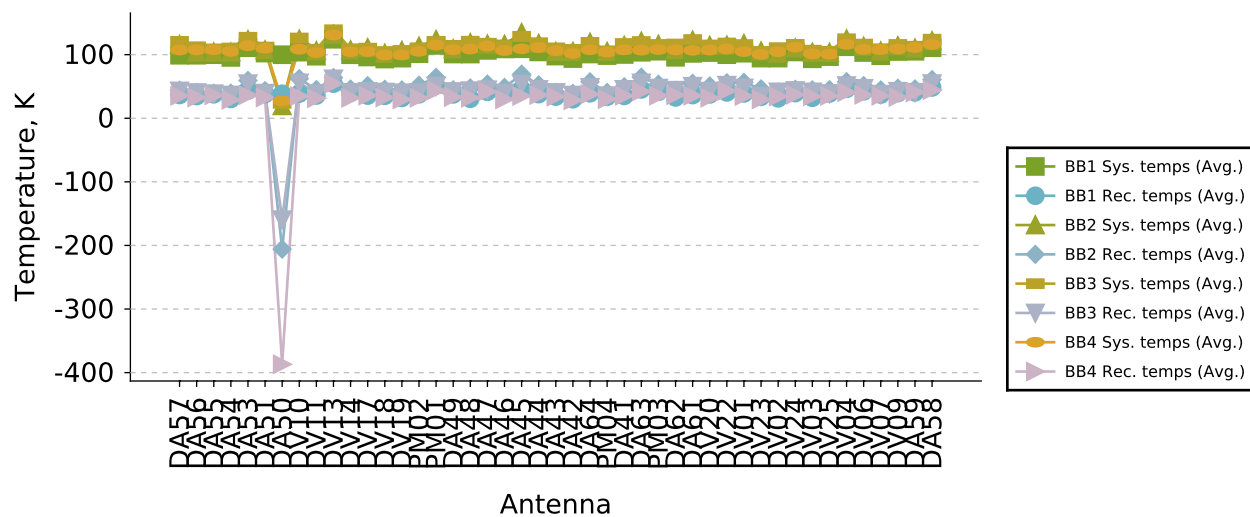
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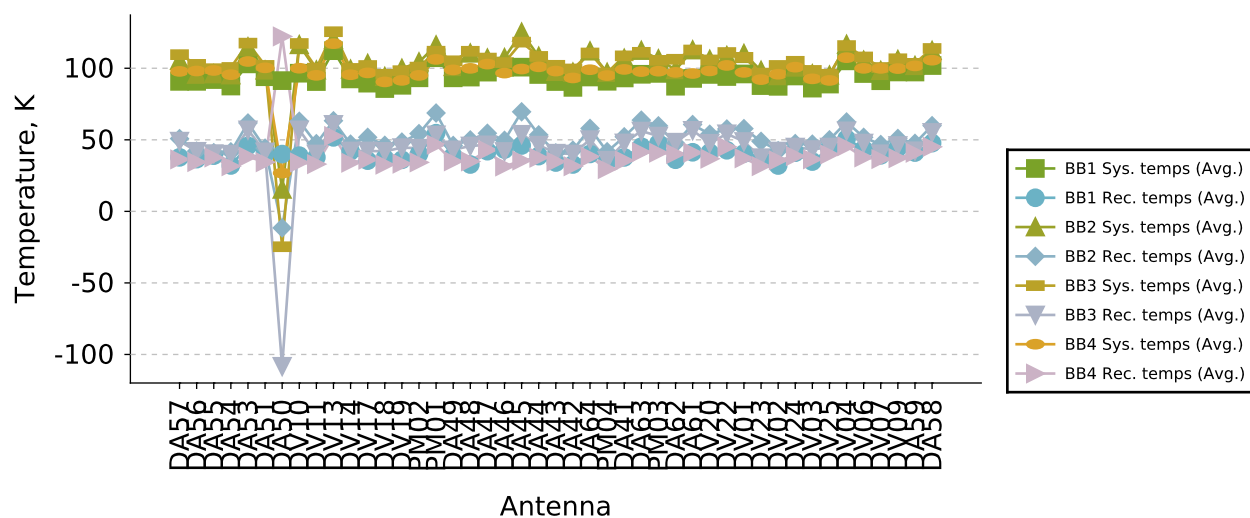
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Source: J04352532

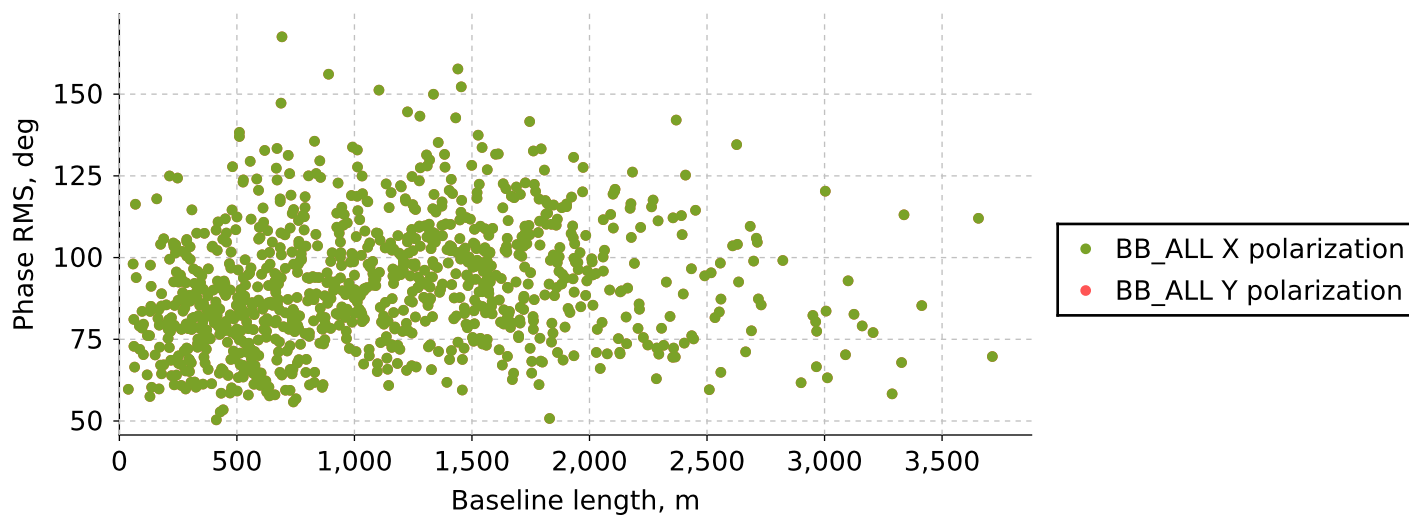


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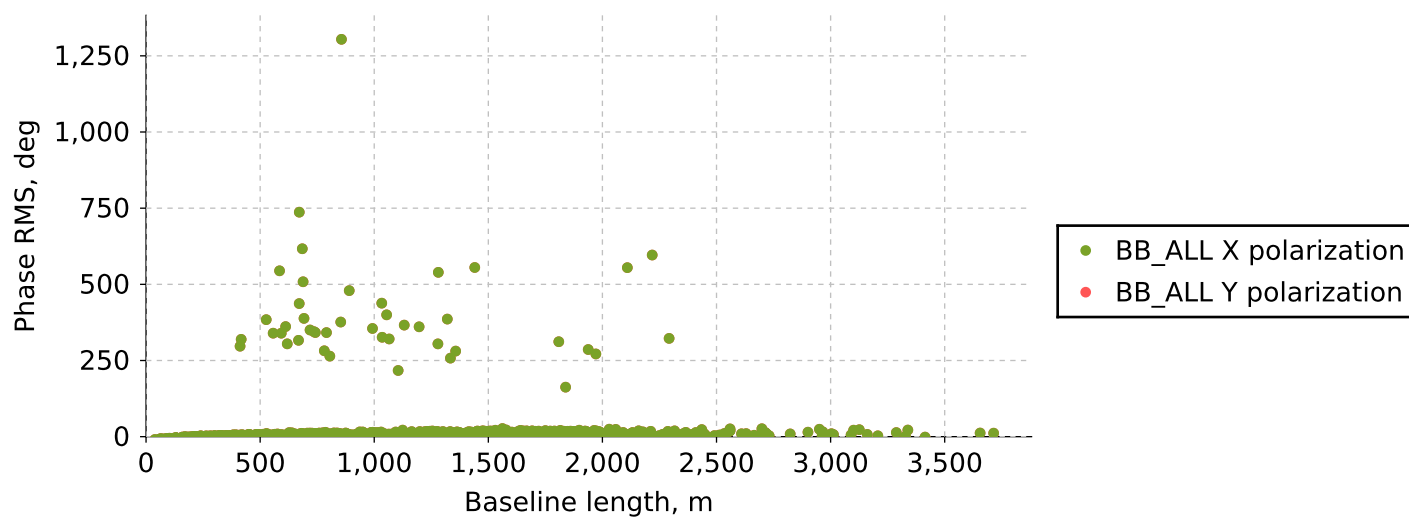


Phase RMS (baseline-based)

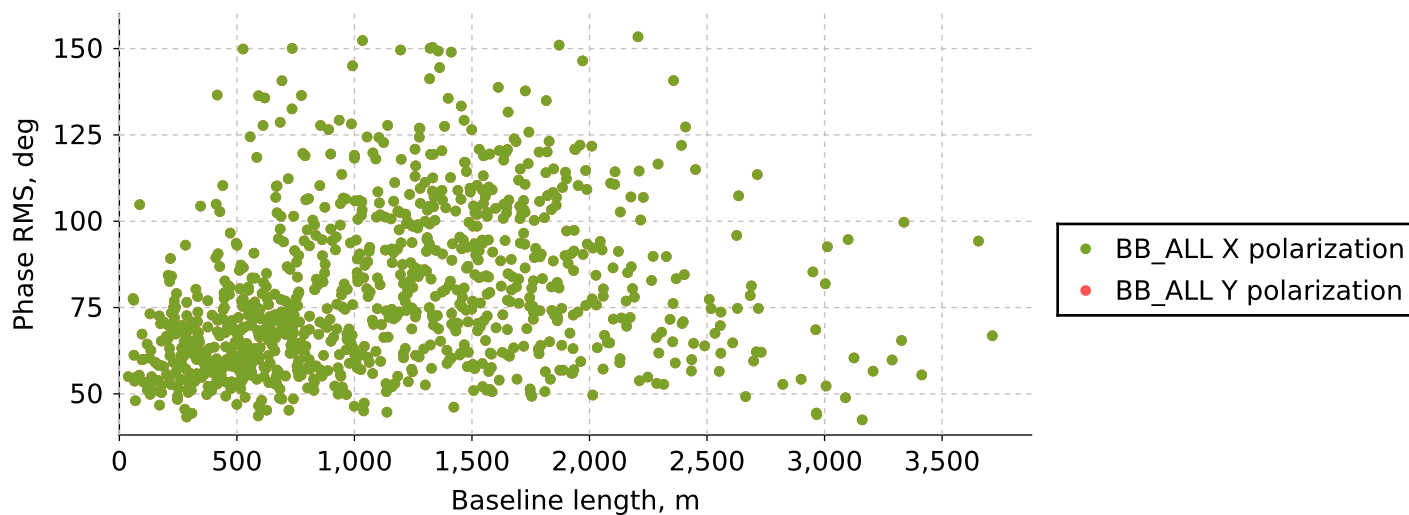
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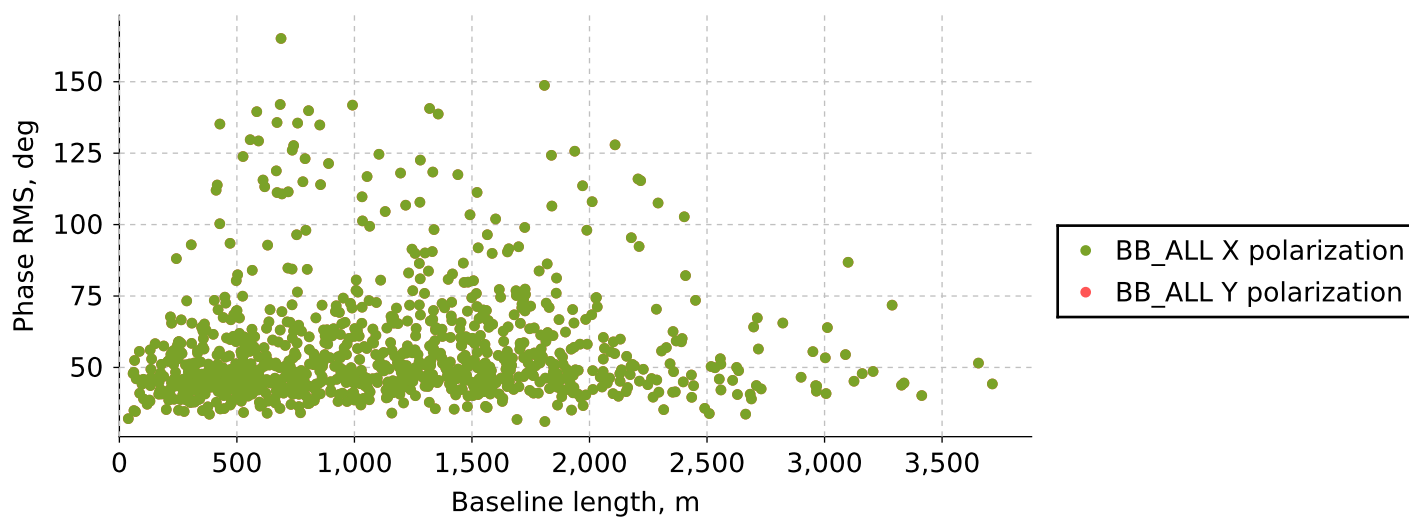
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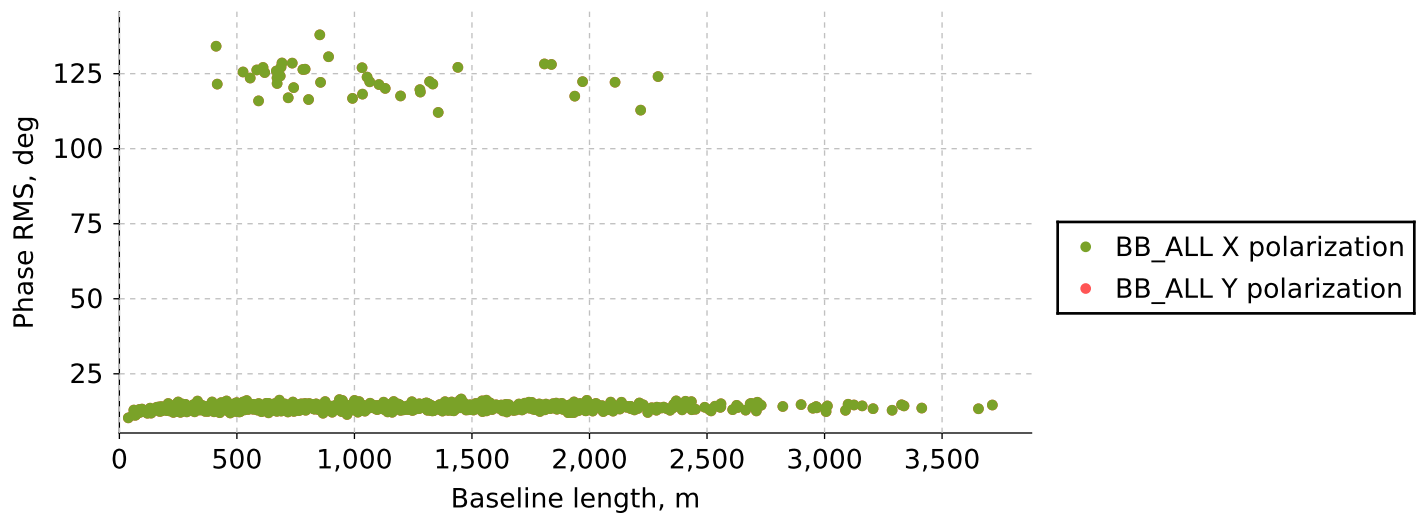
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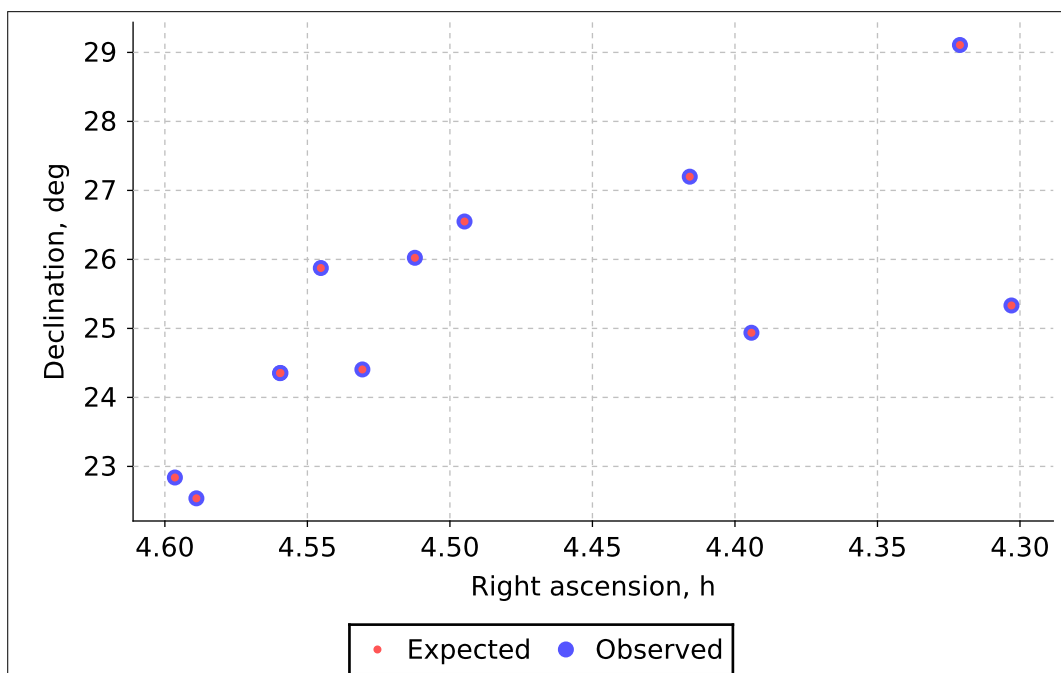
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Source: J04262327

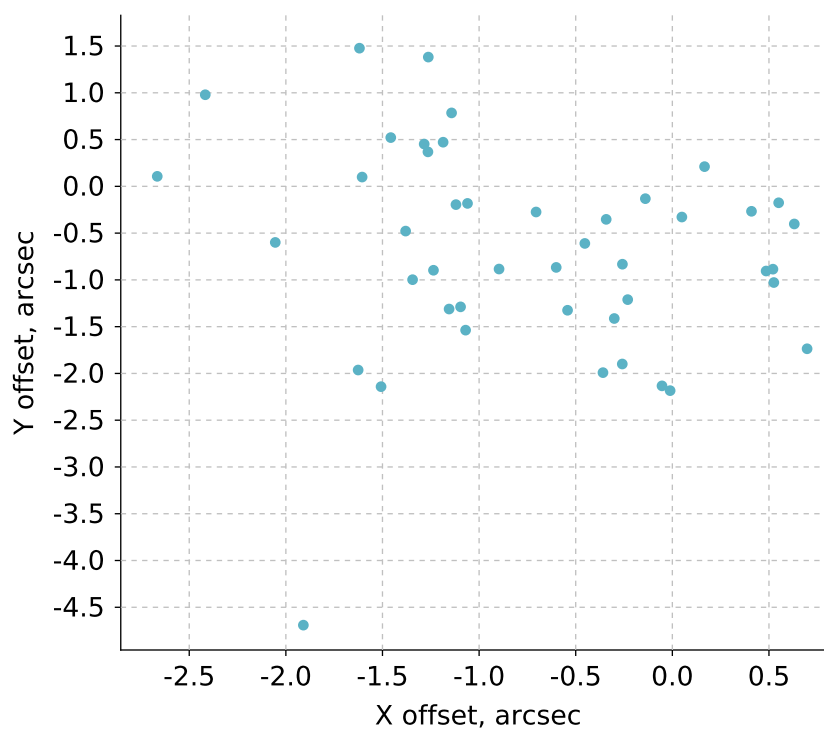


Corrected phase rms per baseline in-scan, in summed BB

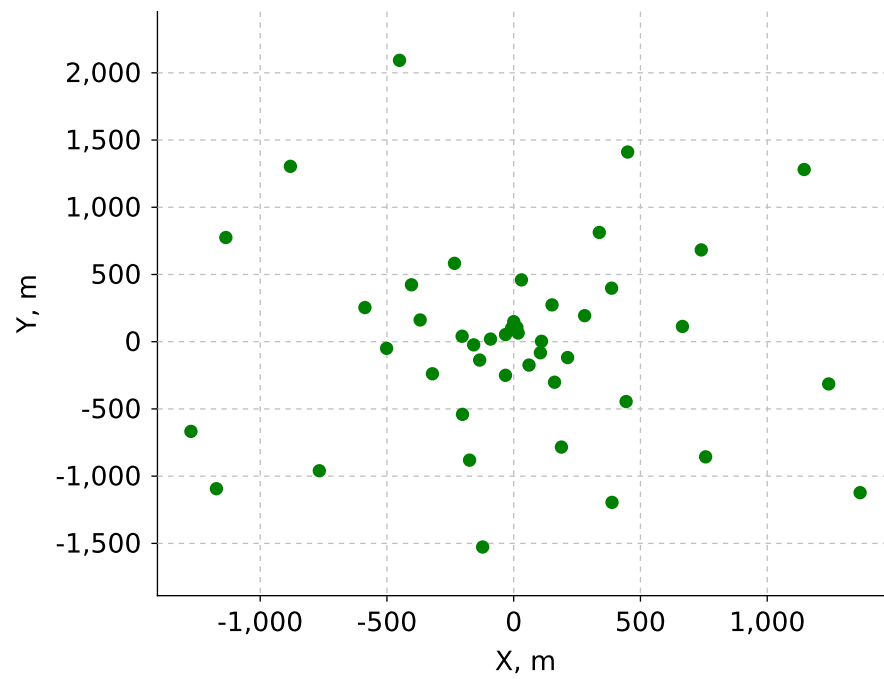


Pointing

Source: J05101800

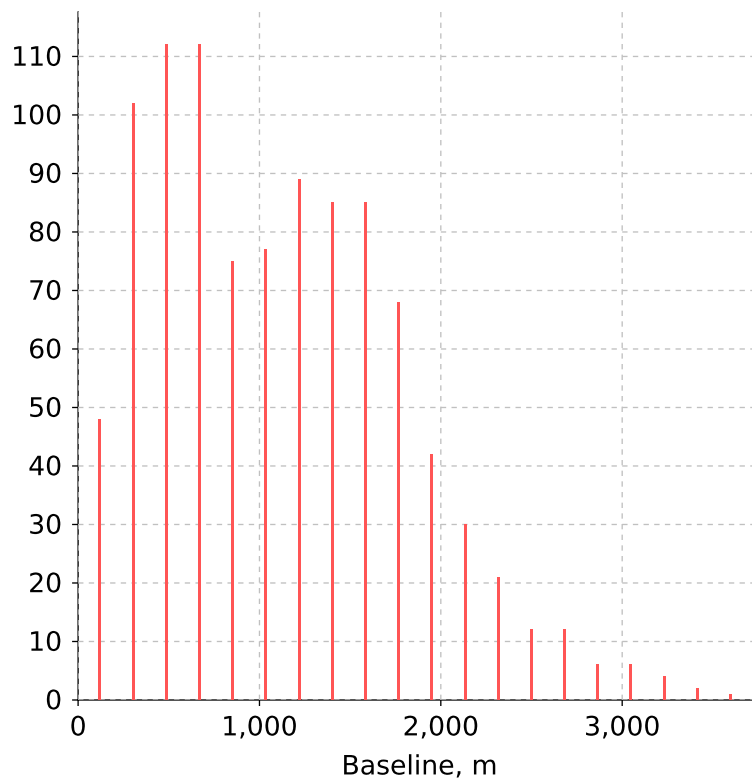


Antenna positions



- Completely flagged antennas
- Antennas with minor flagging
- Antennas with high phase
- Antenna positions

Baseline distribution



null