

### Execution Block Summary

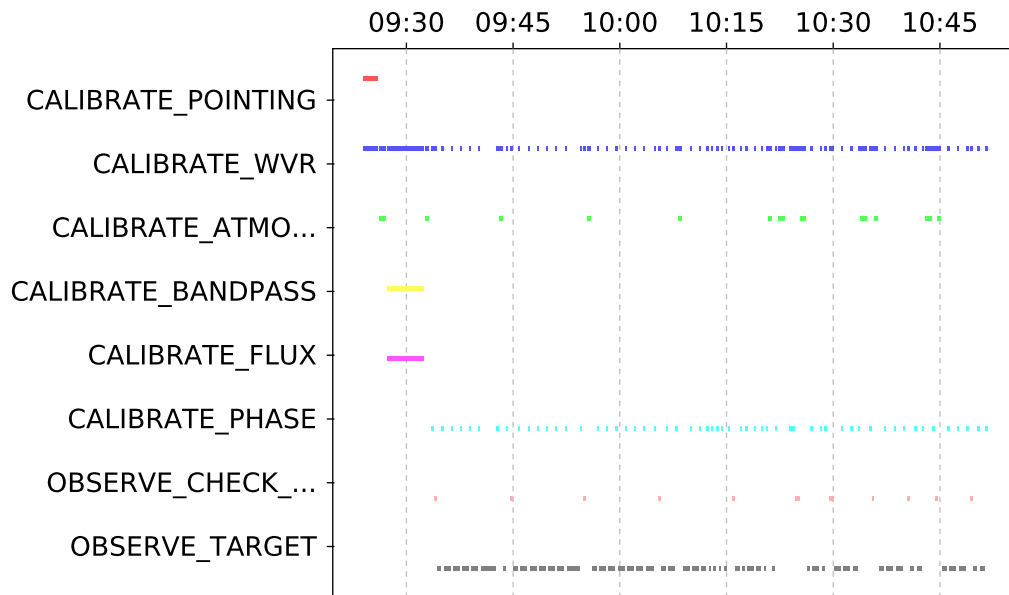
<b>Project Code</b>	2016.1.01164.S	<b>SchedBlock</b>	DK_Tau_a_06_TM1
<b>ExecBlock</b>	uid://A002/Xc412e1/X2ed8	<b>ExecBlock Status</b>	SUCCESS
<b>QA0 Status</b>	✓ Pass	<b>Exec. Fraction</b>	1.00
<b>Repr. frequency</b>	217.988 GHz (Sky)	<b>Band</b>	ALMA_RB_06
<b>Array</b>	12 [m]	<b>Baselines</b>	21m -- 3696m
<b>Antennas</b>	Antennas: N/A effective, N/A usable, N/A unflagged, N/A total. Expected for Cycle 4 : 40, minimum acceptable: N/A		
<b>Weather</b>	PWV 1.30 mm; Wind 3.51 m/s; Humidity 15.09 %; Pressure 538.36 hPa; Phase rms: N/A microns		
<b>QA0 comment</b>	<p>FINAL QA0 COMMENT:</p> <p>=== QA0 summary for id://A002/Xc412e1/X2ed8 ===</p> <p>Usable antennas: 43 using BLC</p> <p>Phase rms (Antenna,phaseCal): 32.9 deg (=119.1um)</p> <p>Baseline limit with good phase (80%): 2381m. Resolution: 0.113 arcsec</p> <p>PWV: 1.27 mm WVR improvement factor: 1.88</p> <p>Bandpass cal: J0510+1800 Approx. flux: 0.52 Jy SNR: 184.89 possible channels with SNR&gt;30: 6</p> <p>Phase cal: J0435+2532 Approx. flux: 0.035 Jy SNR: 76.45</p> <p>Number of completed cycles of science/phaseCal: 55</p> <p>Fraction of all cal data to be flagged: 13.96 %</p> <p>Band observed: 6 Highest recommended: 7-7</p> <p>Major system issues:</p> <p>Antennas not considered usable &amp; flagged: DA50 DV09</p> <p>DA50 Amplitude fluctuation 11344% =59881.7 MAD</p> <p>DA50: 75% of spws*polns flagged on first ATM cal :</p> <p>DV09: 50.5% of all cal data flagged</p> <p>QA0 PASS</p> <p>no significant problems</p>		
<b>AOS Check comment</b>			
<b>QA0 warnings</b>	<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

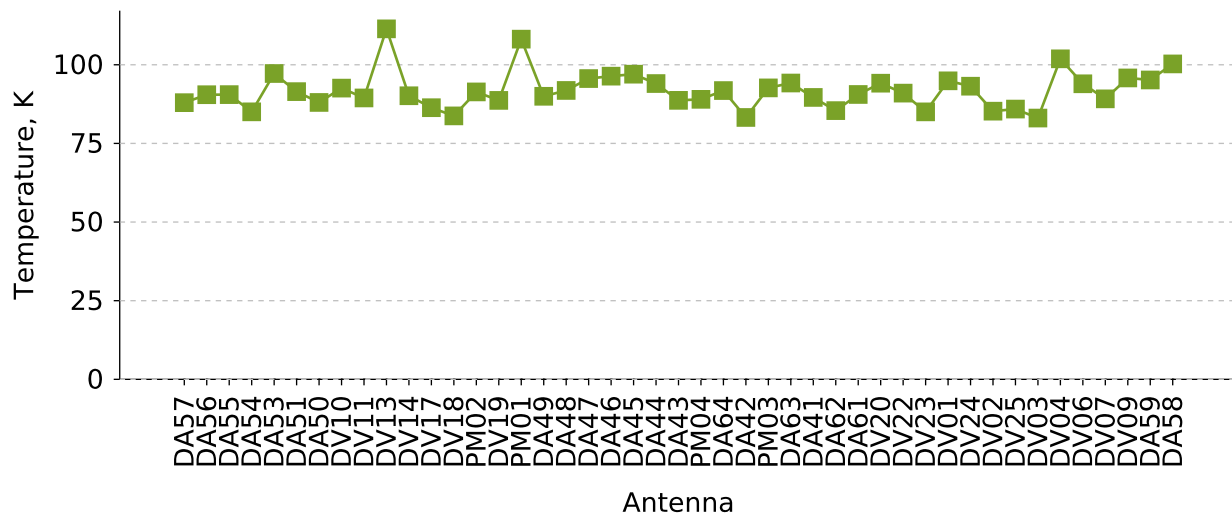
OBSERVE_TARGET (V409_Tau, DH_Tau, GI_Tau, HO_Tau, UZ_Tau, BP_Tau,	38.23min (37.77min expected)
CALIBRATE_ATMOSPHERE (J0426+2327, DH_Tau, J0422+3058,	7.78min
CALIBRATE_BANDPASS (J0510+1800)	5.15min
CALIBRATE_FLUX (J0510+1800)	5.15min
CALIBRATE_PHASE (J0426+2327, J0422+3058, J0440+2728, J0435+2532)	15.83min
CALIBRATE_POINTING (J0510+1800)	2min
CALIBRATE_WVR (J0426+2327, J0429+2724, DH_Tau, J0422+3058,	35.22min
OBSERVE_CHECK_SOURCE (J0429+2724, J0426+2952, J0435+2532)	4.45min

### Execution fraction

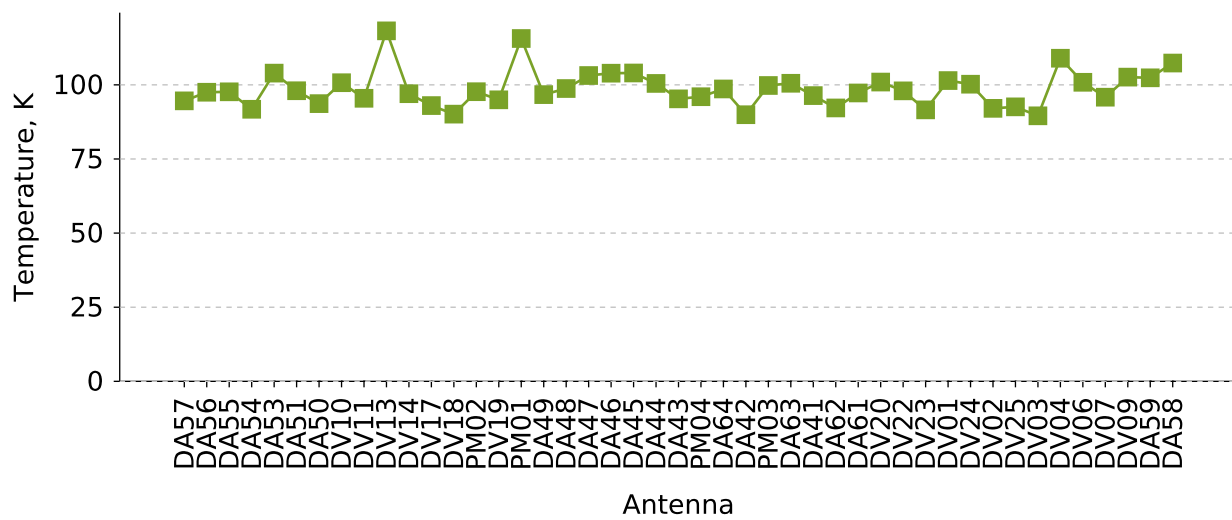
### Scans diagramm



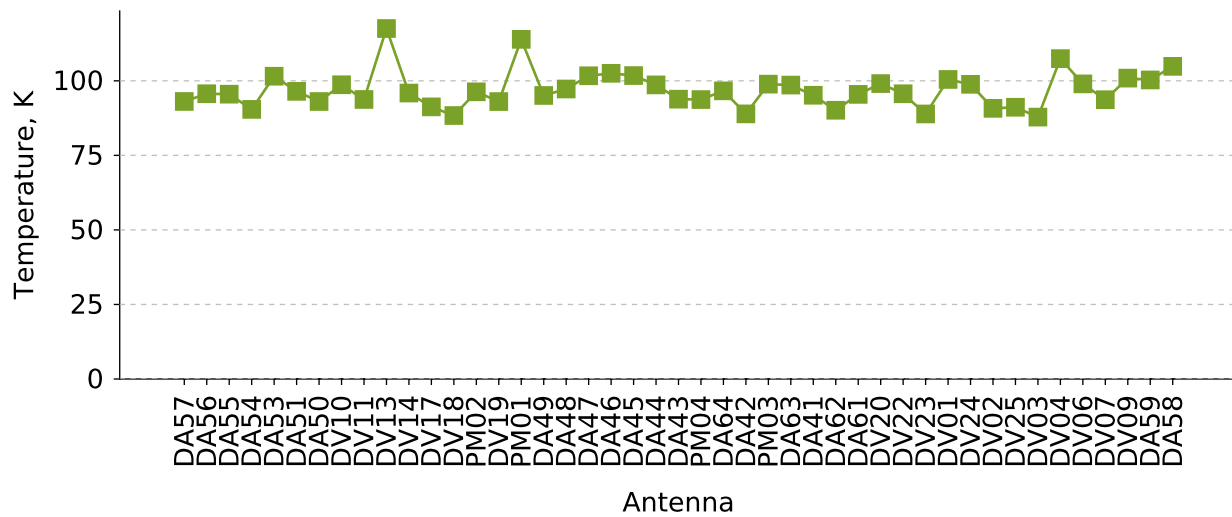
Source: DH\_Tau



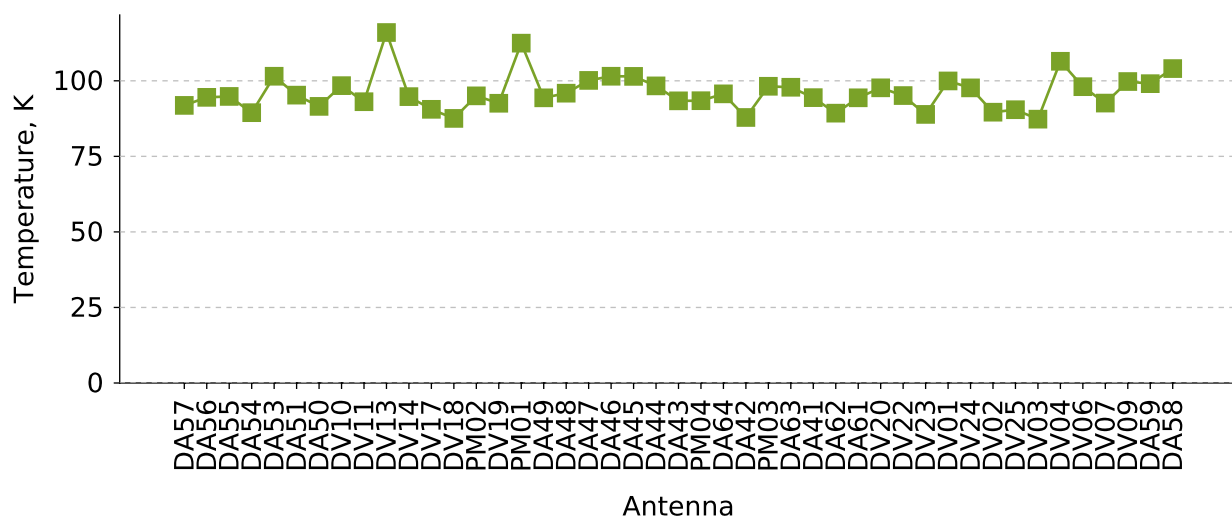
Source: J04223058



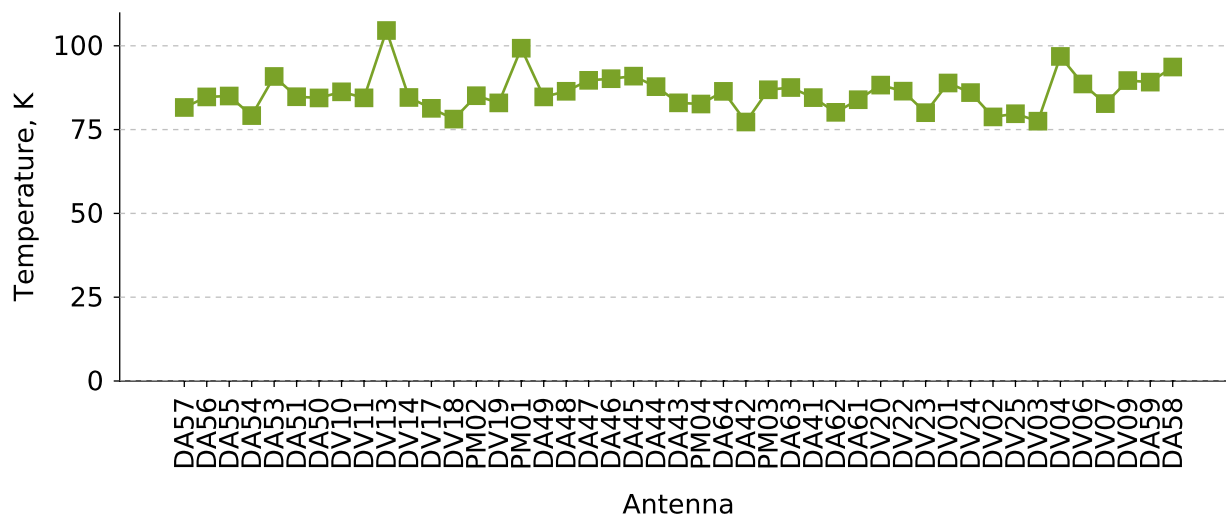
Source: BP\_Tau



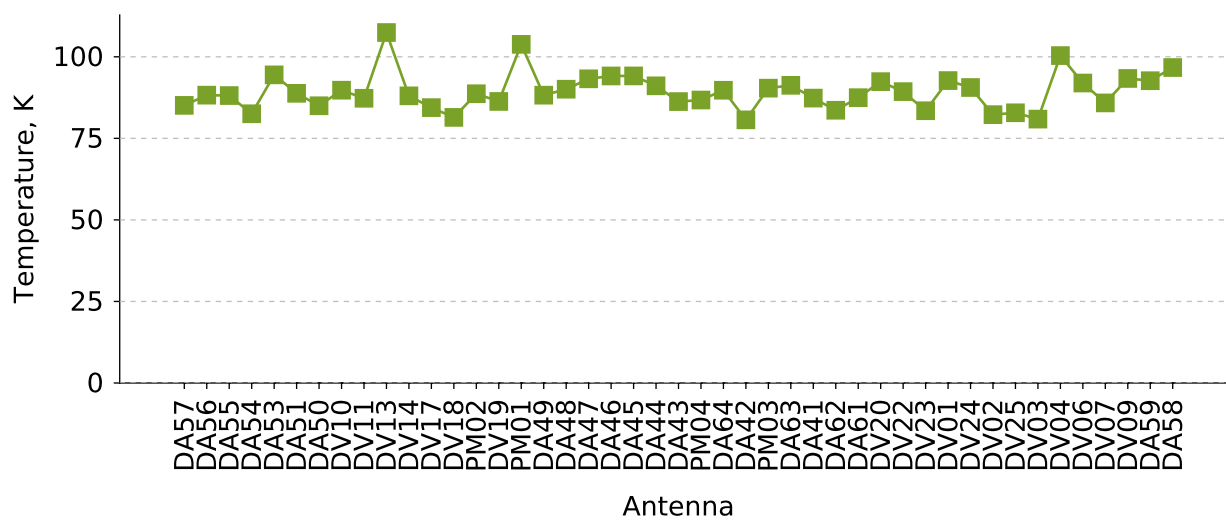
Source: IP\_Tau



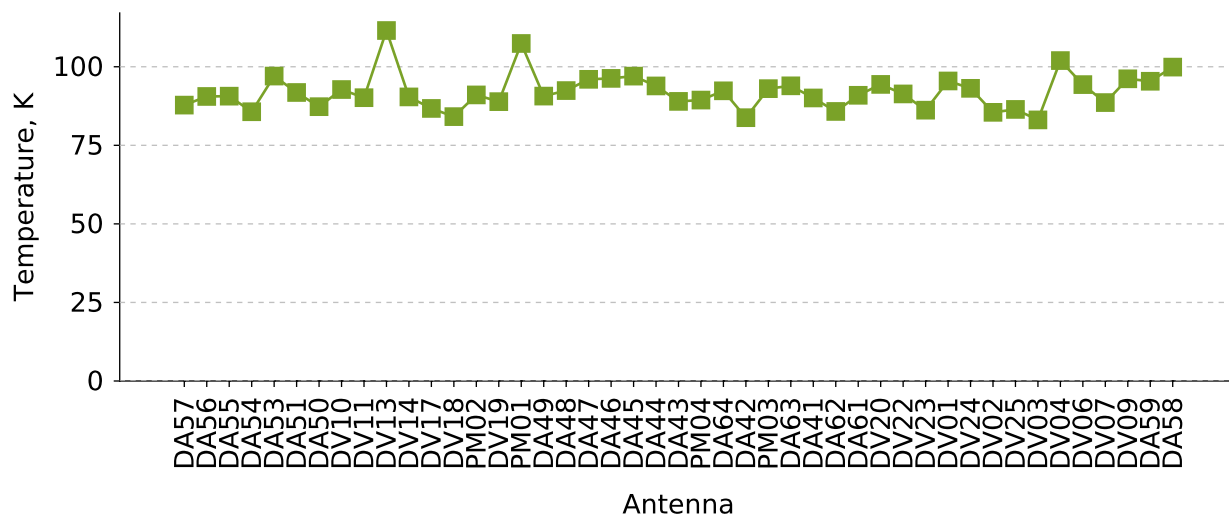
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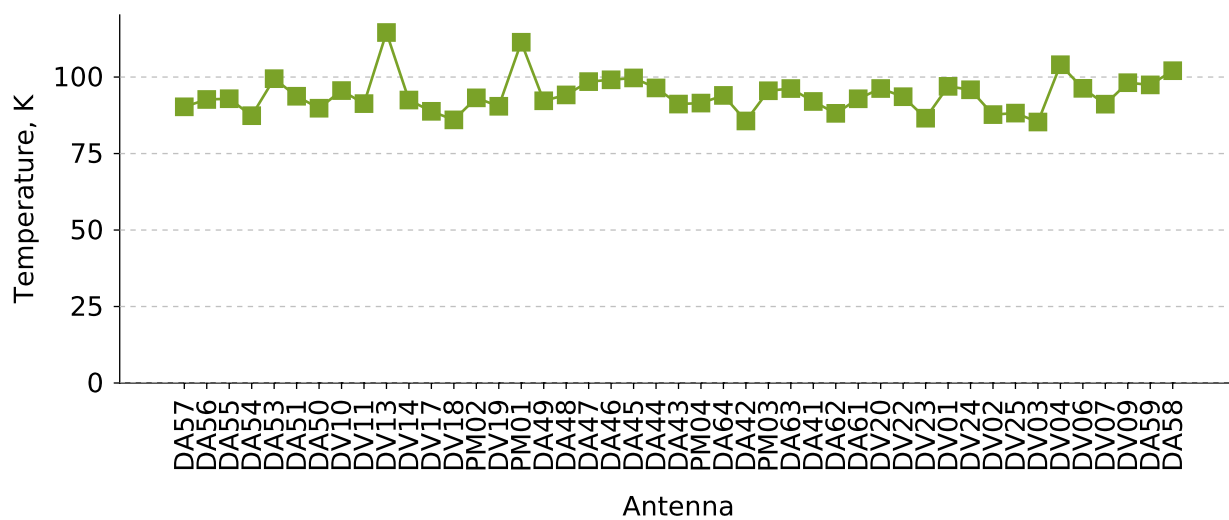
Source: HK\_Tau



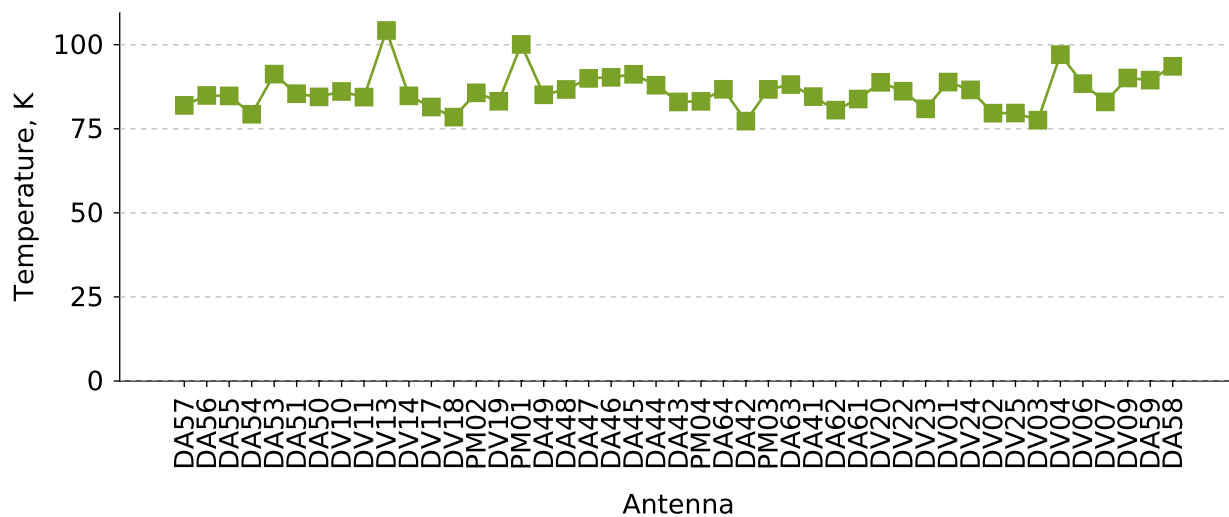
Source: J04402728



Source: J04352532

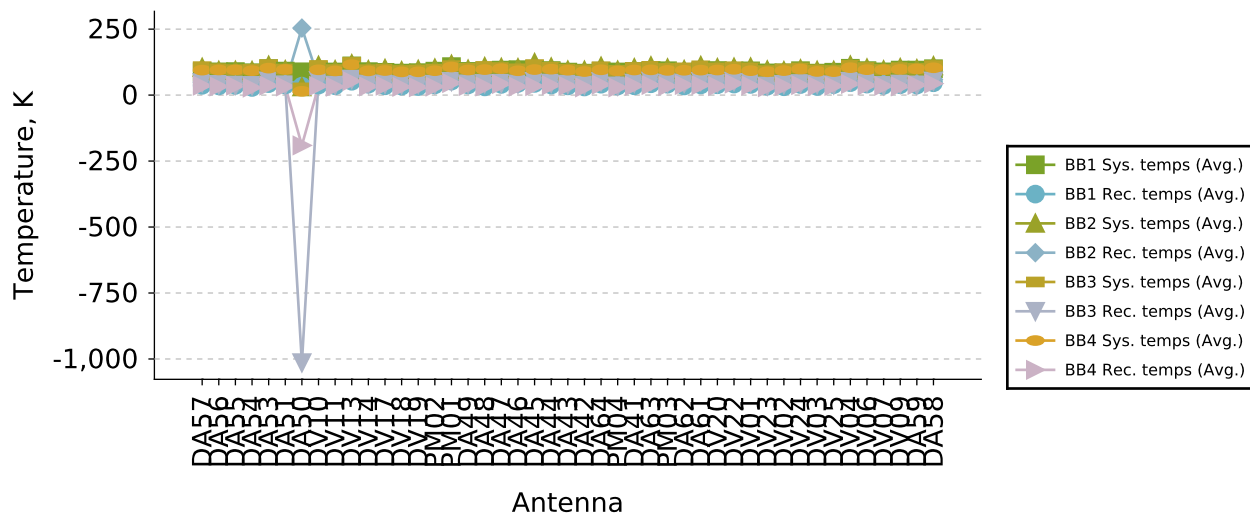


Source: J04262327

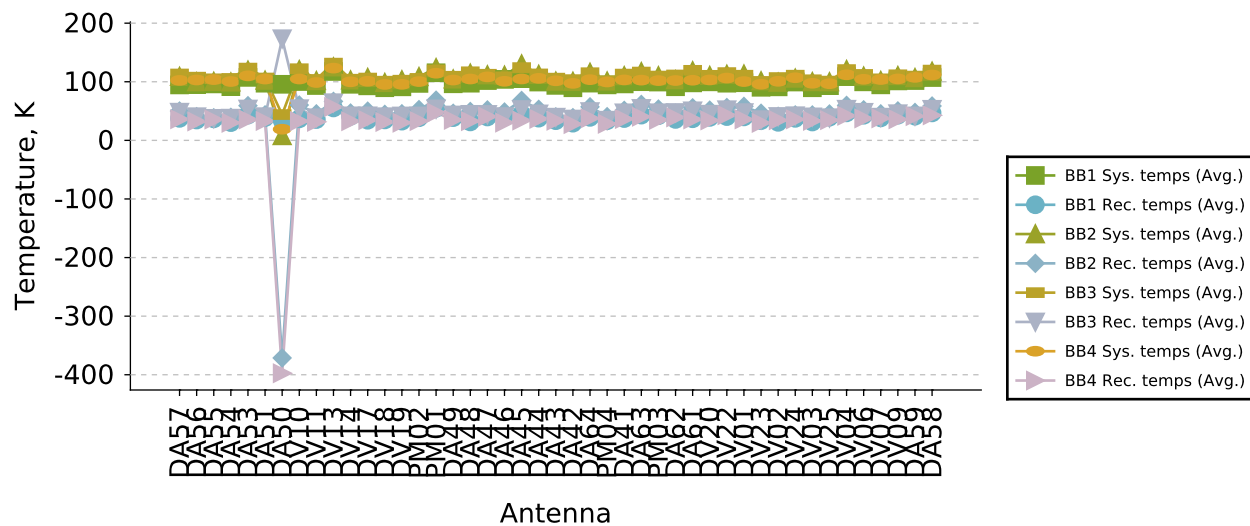


### Atmosphere calibrations (all basebands)

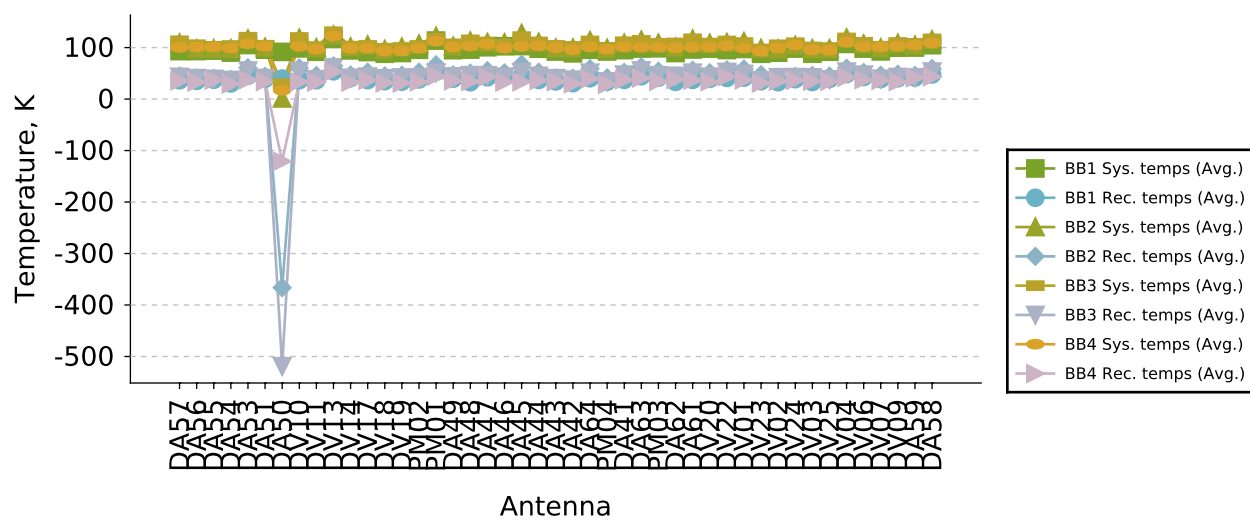
Source: DH\_Tau



Source: J04223058

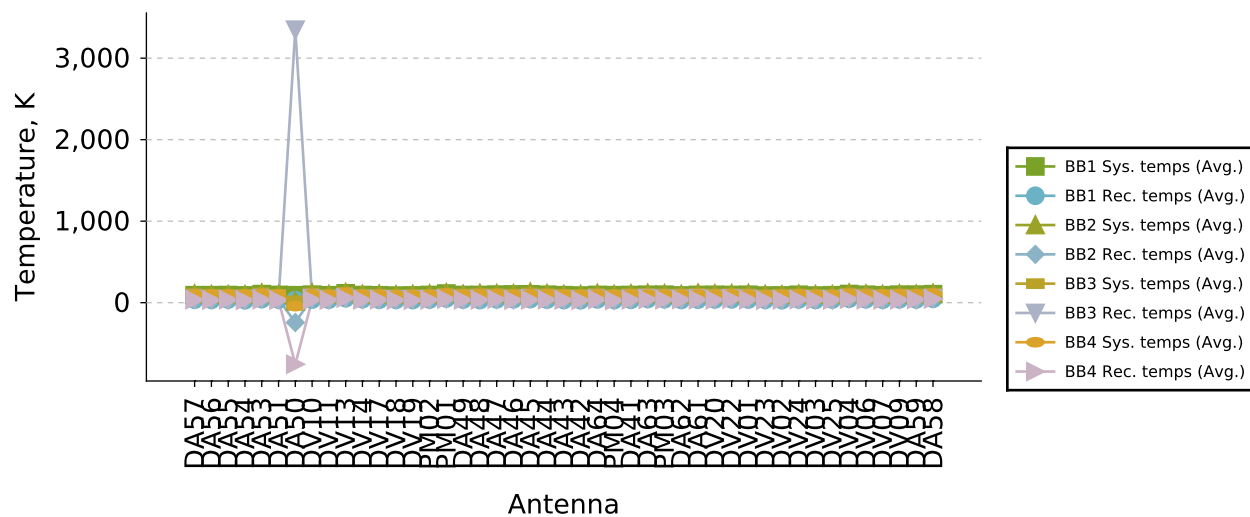


Source: BP\_Tau

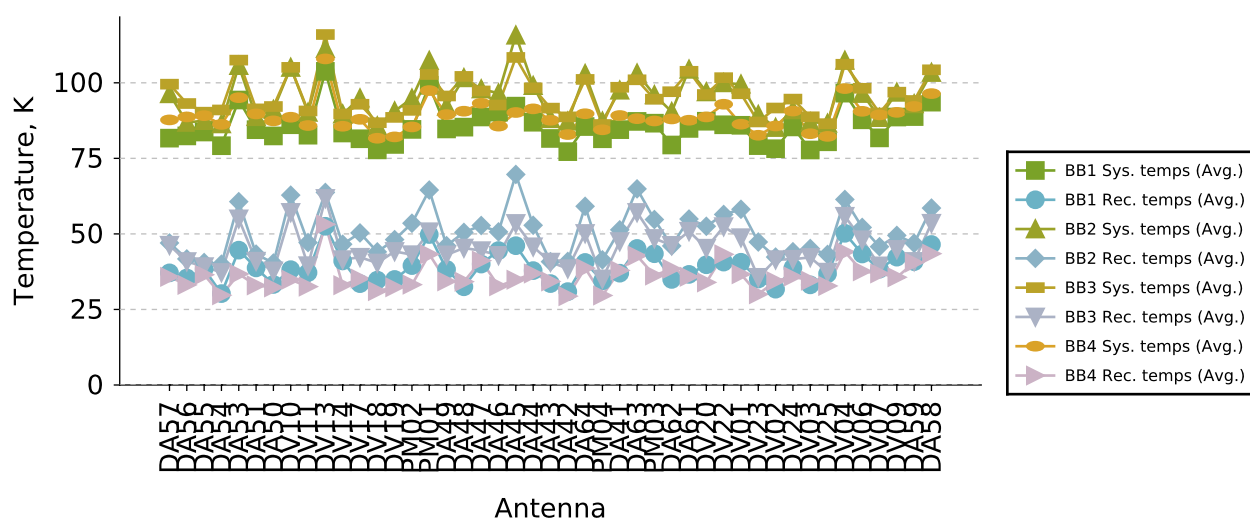




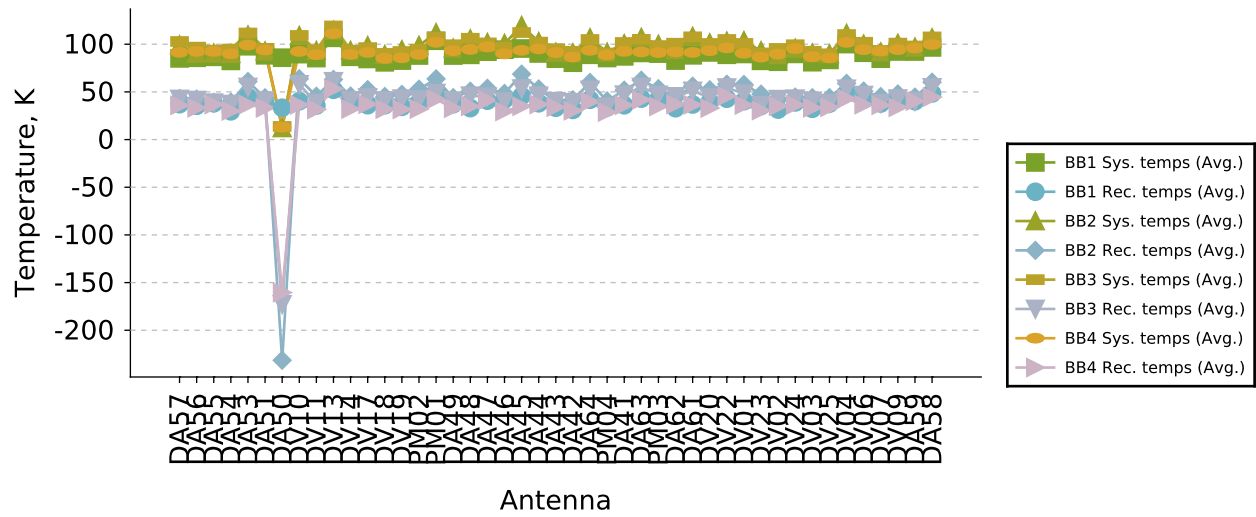
Source: IP\_Tau



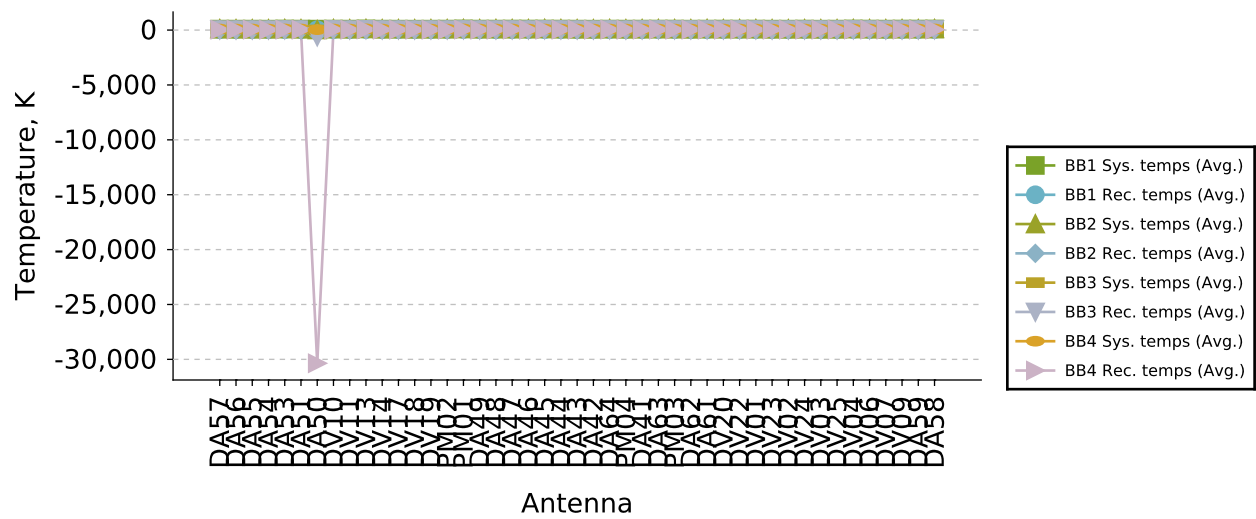
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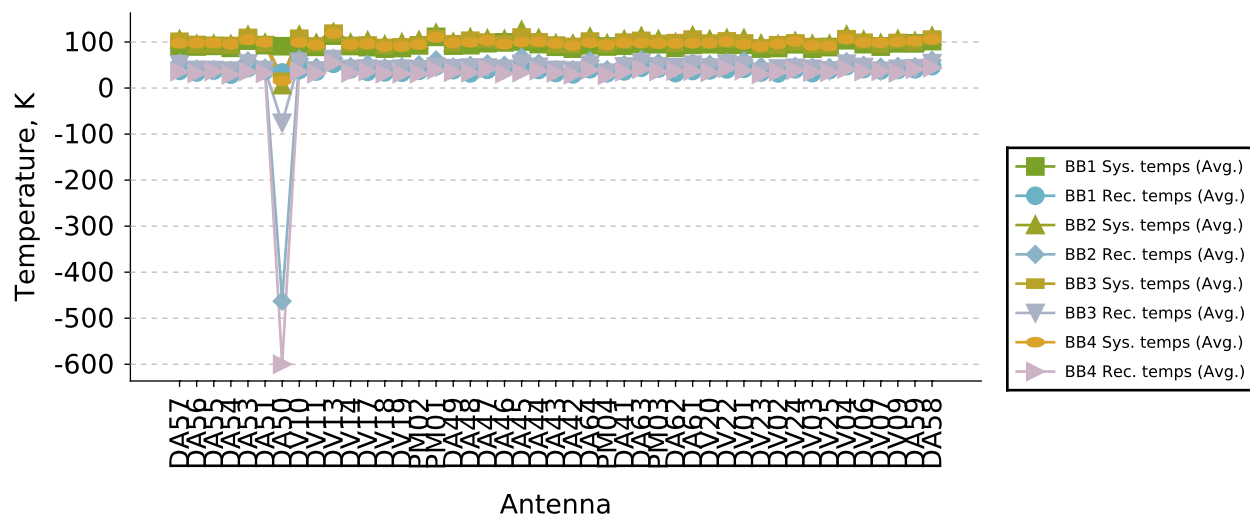
Source: HK\_Tau



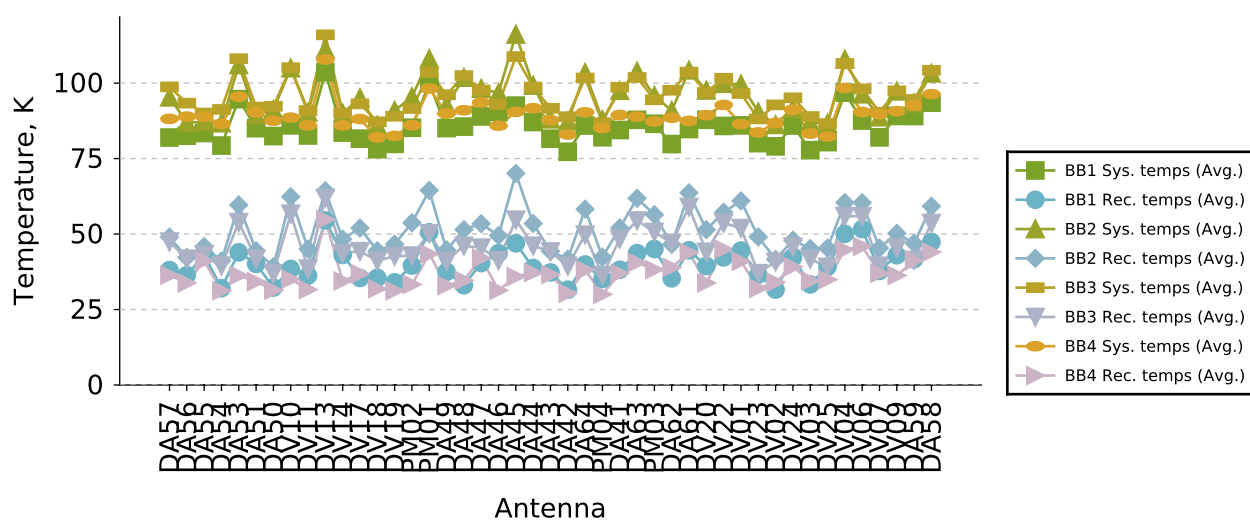
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Source: J04352532

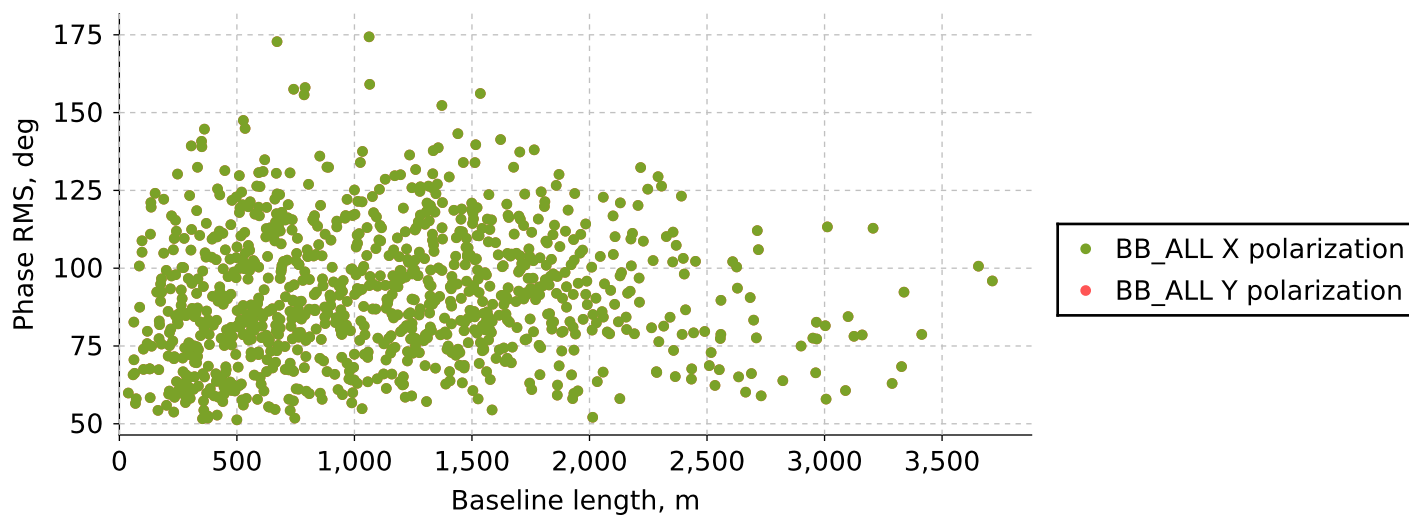


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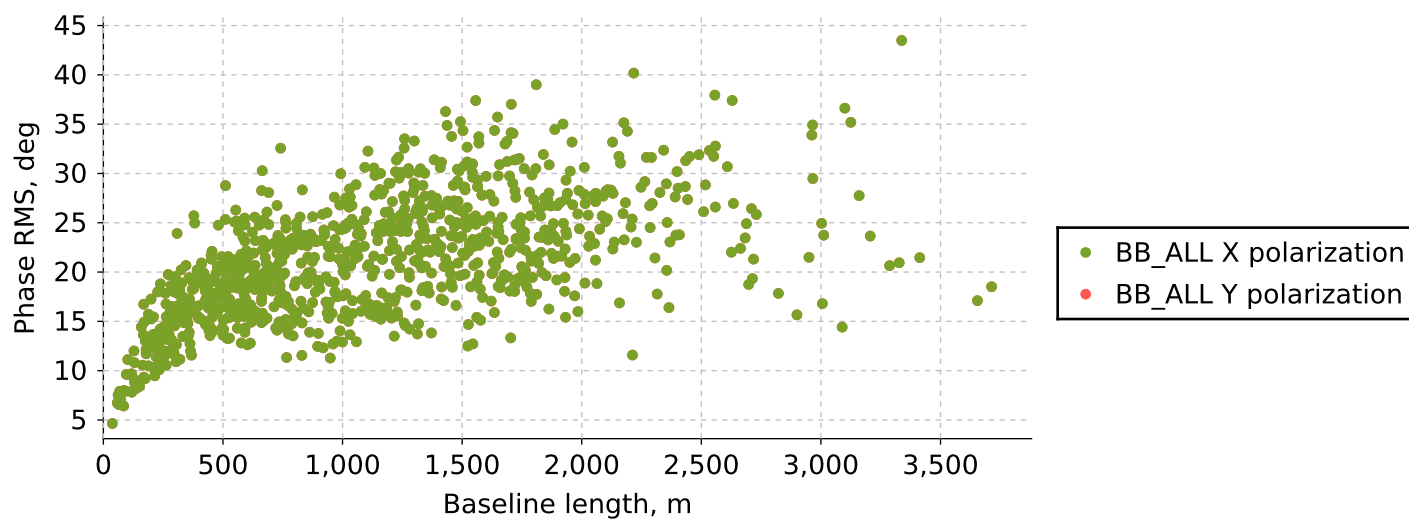


Phase RMS (baseline-based)

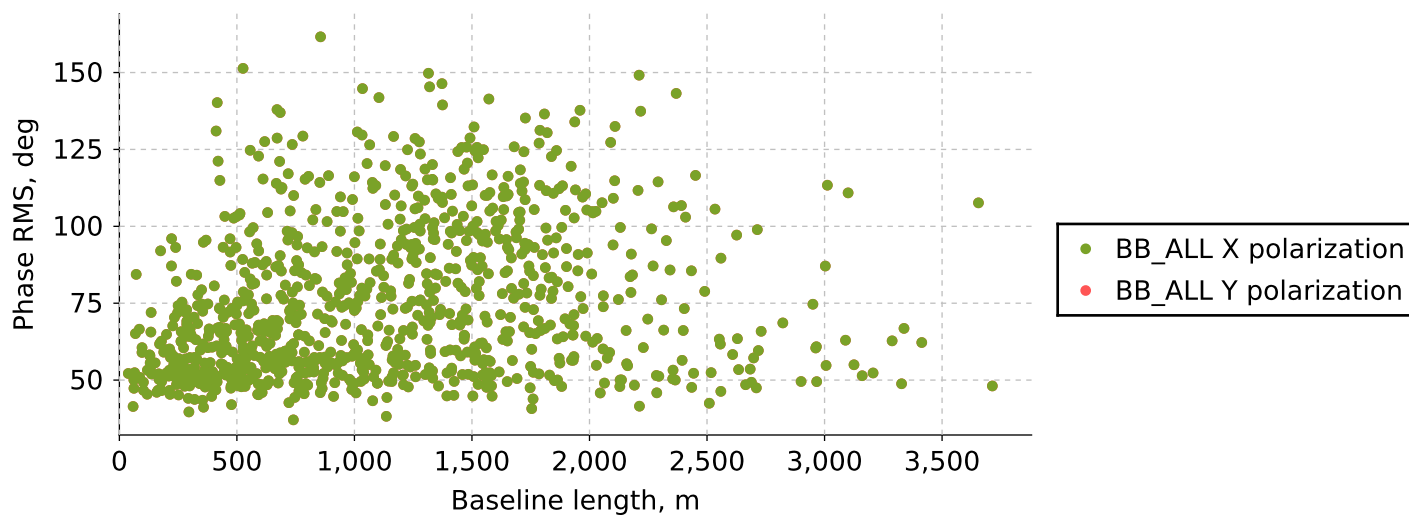
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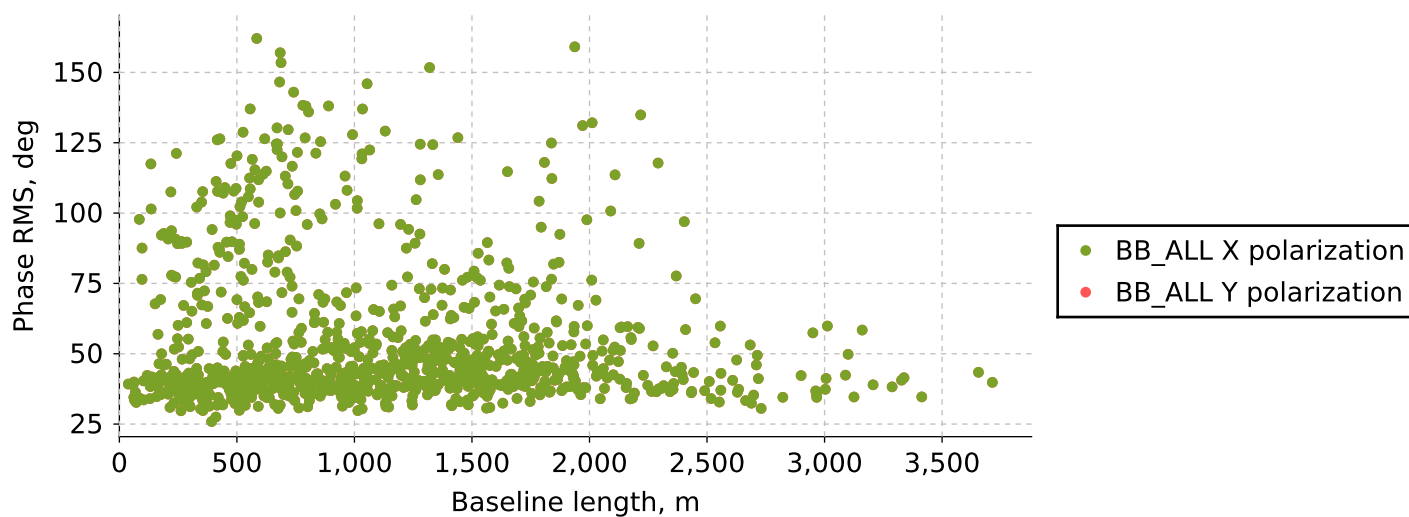
Source: J05101800



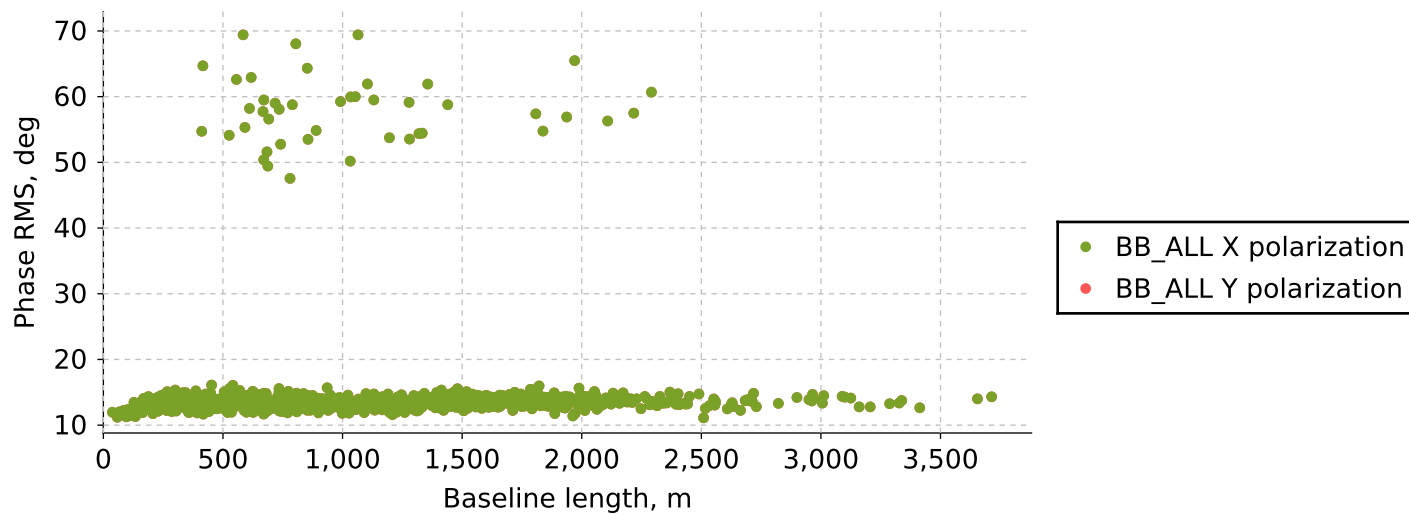
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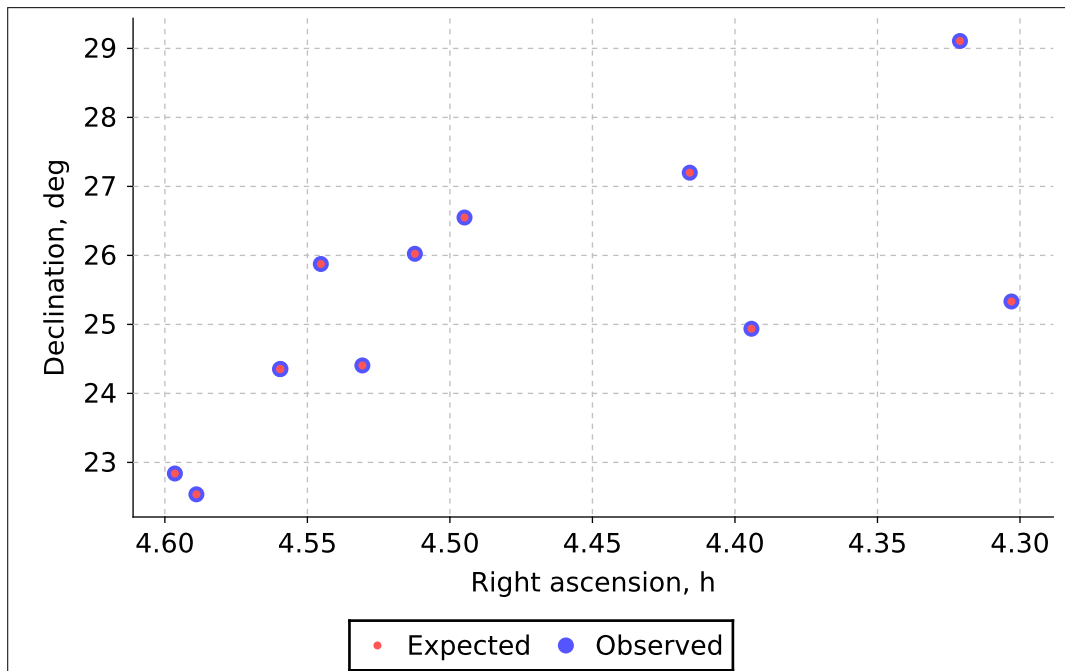
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Source: J04262327

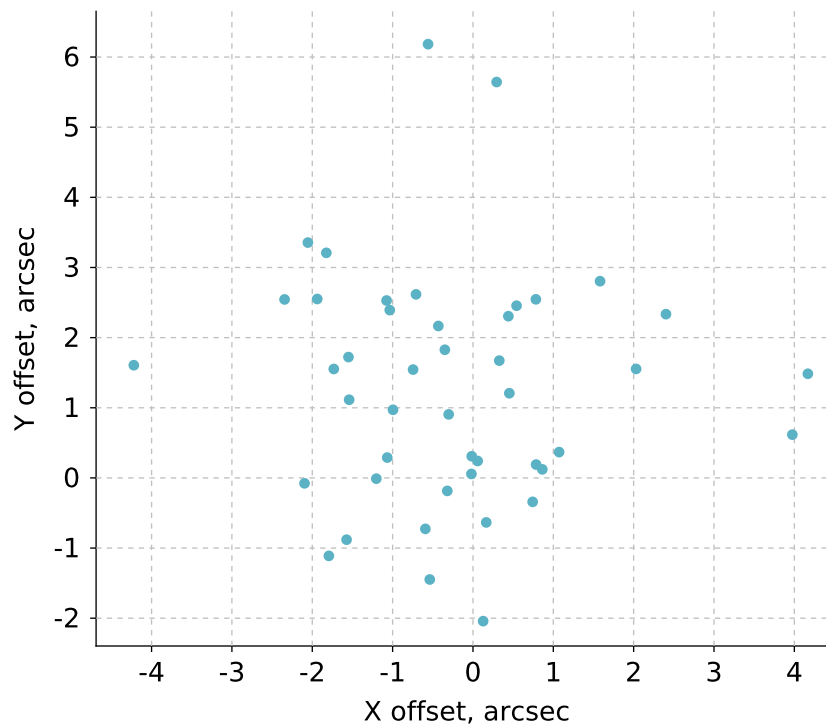


Corrected phase rms per baseline in-scan, in summed BB

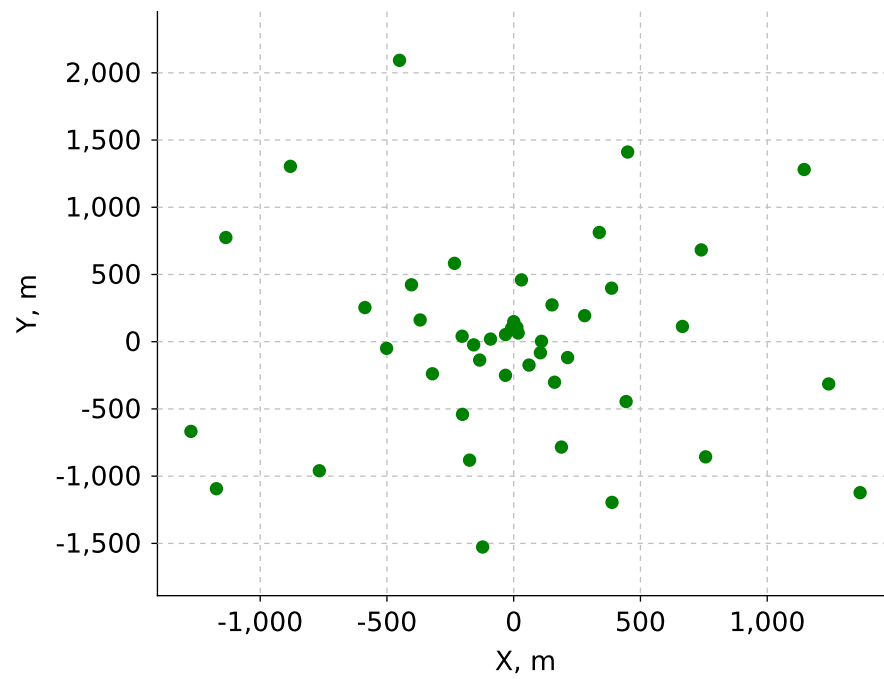


## Pointing

Source: J05101800



## Antenna positions



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

## Baseline distribution

