

Remarks

fast loop switched on

antenna DA46 is displaying very low amplitude

significant changes in the efficiencies within the scan sequence. Connected to change in the phased antenna array?

Command

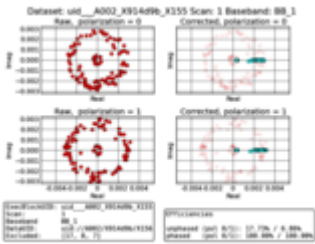
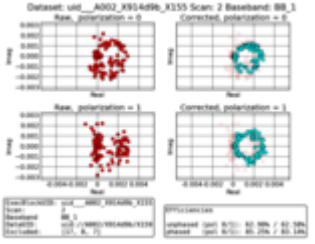
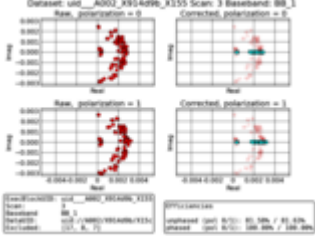
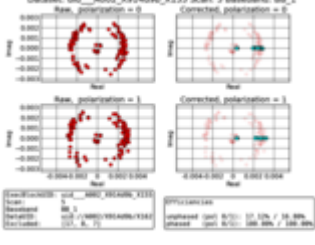
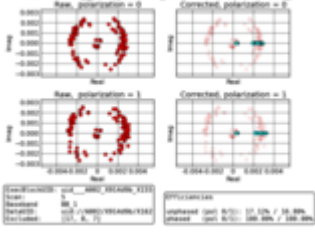
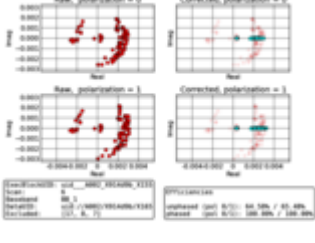
```
2014-10-23T20:44:31.015 .py --appWVR False,False,False,False --arrayName
Array005 --inttest True --subscanDuration 15.84 --appVomQual 0.66, 0.50,
0.33 --appSingleRef KEEP,DA52,PM02,PM03 --noIntent False --appNumSWs 1
--appSpecWidth 1920 --noVLBI False --polarization 4 --source
1924-292,1924-292,1924-292 --numbasebands 4 --wait 20 --subscanRepeats 5
--specAveFac 1 --appFaker 75,2,8 --band 3 --appVomSPA 3 --scode Aa
--appVomEff 0.0,1.0 --appRDC True,True,True,True --appFLSecs
1.5,1.5,1.5,1.5 --appSWBW 0.0 --appCloneBB 3 --appHelp False --appElev
False --referenceAntenna DA52 --packMode ONE_PER_ANT --dumplt 0.528
--integrationDuration 1.056 --appComp DA63,DV01 --appShowSS True
--nchlog2 5 ASDM = uid://A002/X914d9b/X155
```

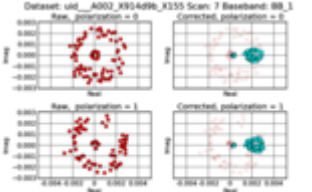
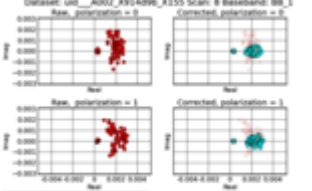
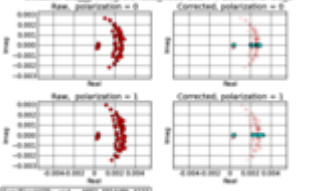
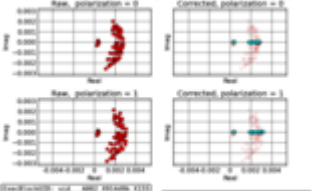
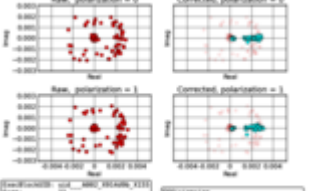
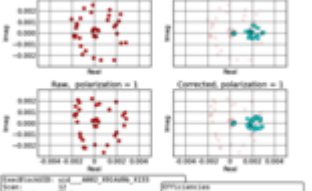
```
VLBITestObs.py -b 3 -N 5 -d 15 -i 1 -Q 4 -T --app-show-ss -R DA52
--app-comp="DA63,DV01" --app-clone-bb=3
--app-single-ref="KEEP,DA52,PM02,PM03" --app-fast=1.5,1.5,1.5,1.5
--app-wvr=Abs,Abs,Abs,Abs -s 1924-292,1924-292,1924-292 -a Array005
uid://A002/X914d9b/X155
```

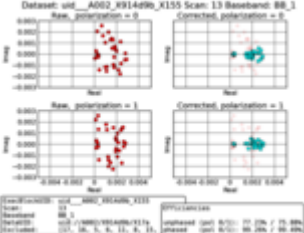
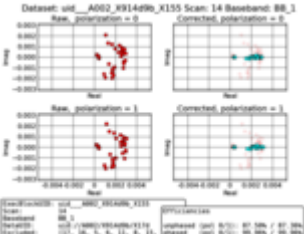
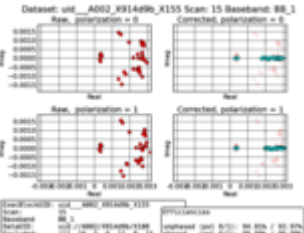
Scans

- 1: <uid://A002/X914d9b/X156>
- 2: <uid://A002/X914d9b/X159>
- 3: <uid://A002/X914d9b/X15c>
- 4: <uid://A002/X914d9b/X15f>
- 5: <uid://A002/X914d9b/X162>
- 6: <uid://A002/X914d9b/X165>
- 7: <uid://A002/X914d9b/X168>
- 8: <uid://A002/X914d9b/X16b>
- 9: <uid://A002/X914d9b/X16e>
- 10: <uid://A002/X914d9b/X171>
- 11: <uid://A002/X914d9b/X174>
- 12: <uid://A002/X914d9b/X177>
- 13: <uid://A002/X914d9b/X17a>
- 14: <uid://A002/X914d9b/X17d>
- 15: <uid://A002/X914d9b/X180>

Scans

Scan	BB_0	shifted
1	 <p>Dataset: uid_A002_X914d9b_X155 Scan: 1 Baseband: BB_1 Raw_polarization = 0 Corrected_polarization = 0 Raw_polarization = 1 Corrected_polarization = 1</p> <p>uid_A002_X914d9b_X155 Scan: 1 Baseband: BB_1 Dataset: uid_A002_X914d9b_X155 FileIndex: [1], [0, 1]</p> <p>Epochs (min): 0.000 / 0.000 Epochs (max): 0.000 / 0.000</p>	
2	 <p>Dataset: uid_A002_X914d9b_X155 Scan: 2 Baseband: BB_1 Raw_polarization = 0 Corrected_polarization = 0 Raw_polarization = 1 Corrected_polarization = 1</p> <p>uid_A002_X914d9b_X155 Scan: 2 Baseband: BB_1 Dataset: uid_A002_X914d9b_X155 FileIndex: [1], [0, 1]</p> <p>Epochs (min): 0.000 / 0.000 Epochs (max): 0.000 / 0.000</p>	
3	 <p>Dataset: uid_A002_X914d9b_X155 Scan: 3 Baseband: BB_1 Raw_polarization = 0 Corrected_polarization = 0 Raw_polarization = 1 Corrected_polarization = 1</p> <p>uid_A002_X914d9b_X155 Scan: 3 Baseband: BB_1 Dataset: uid_A002_X914d9b_X155 FileIndex: [1], [0, 1]</p> <p>Epochs (min): 0.000 / 0.000 Epochs (max): 0.000 / 0.000</p>	
4	 <p>Dataset: uid_A002_X914d9b_X155 Scan: 5 Baseband: BB_1 Raw_polarization = 0 Corrected_polarization = 0 Raw_polarization = 1 Corrected_polarization = 1</p> <p>uid_A002_X914d9b_X155 Scan: 5 Baseband: BB_1 Dataset: uid_A002_X914d9b_X155 FileIndex: [1], [0, 1]</p> <p>Epochs (min): 0.000 / 0.000 Epochs (max): 0.000 / 0.000</p>	
5	 <p>Dataset: uid_A002_X914d9b_X155 Scan: 5 Baseband: BB_1 Raw_polarization = 0 Corrected_polarization = 0 Raw_polarization = 1 Corrected_polarization = 1</p> <p>uid_A002_X914d9b_X155 Scan: 5 Baseband: BB_1 Dataset: uid_A002_X914d9b_X155 FileIndex: [1], [0, 1]</p> <p>Epochs (min): 0.000 / 0.000 Epochs (max): 0.000 / 0.000</p>	
6	 <p>Dataset: uid_A002_X914d9b_X155 Scan: 6 Baseband: BB_1 Raw_polarization = 0 Corrected_polarization = 0 Raw_polarization = 1 Corrected_polarization = 1</p> <p>uid_A002_X914d9b_X155 Scan: 6 Baseband: BB_1 Dataset: uid_A002_X914d9b_X155 FileIndex: [1], [0, 1]</p> <p>Epochs (min): 0.000 / 0.000 Epochs (max): 0.000 / 0.000</p>	

Scan	BB_0	shifted
7	<p>Dataset: uid__A002_X914d9b_X155 Scan: 7 Baseband: BB_1</p>  <pre> uid__A002_X914d9b_X155 Scan: 7 Baseband: BB_1 DetArray: uid__A002_X914d9b_X154 DirIndices: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12] </pre> <pre> pff12441345 upstream (ant 0/1): 88.12% / 88.12% stream (ant 0/1): 88.82% / 88.82% </pre>	
8	<p>Dataset: uid__A002_X914d9b_X155 Scan: 8 Baseband: BB_1</p>  <pre> uid__A002_X914d9b_X155 Scan: 8 Baseband: BB_1 DetArray: uid__A002_X914d9b_X154 DirIndices: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12] </pre> <pre> pff12441345 upstream (ant 0/1): 88.12% / 88.12% stream (ant 0/1): 88.82% / 88.82% </pre>	
9	<p>Dataset: uid__A002_X914d9b_X155 Scan: 9 Baseband: BB_1</p>  <pre> uid__A002_X914d9b_X155 Scan: 9 Baseband: BB_1 DetArray: uid__A002_X914d9b_X154 DirIndices: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12] </pre> <pre> pff12441345 upstream (ant 0/1): 88.12% / 88.12% stream (ant 0/1): 88.82% / 88.82% </pre>	
10	<p>Dataset: uid__A002_X914d9b_X155 Scan: 10 Baseband: BB_1</p>  <pre> uid__A002_X914d9b_X155 Scan: 10 Baseband: BB_1 DetArray: uid__A002_X914d9b_X154 DirIndices: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12] </pre> <pre> pff12441345 upstream (ant 0/1): 88.12% / 88.12% stream (ant 0/1): 88.82% / 88.82% </pre>	
11	<p>Dataset: uid__A002_X914d9b_X155 Scan: 11 Baseband: BB_1</p>  <pre> uid__A002_X914d9b_X155 Scan: 11 Baseband: BB_1 DetArray: uid__A002_X914d9b_X154 DirIndices: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12] </pre> <pre> pff12441345 upstream (ant 0/1): 88.12% / 88.12% stream (ant 0/1): 88.82% / 88.82% </pre>	
12	<p>Dataset: uid__A002_X914d9b_X155 Scan: 12 Baseband: BB_1</p>  <pre> uid__A002_X914d9b_X155 Scan: 12 Baseband: BB_1 DetArray: uid__A002_X914d9b_X154 DirIndices: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12] </pre> <pre> pff12441345 upstream (ant 0/1): 88.12% / 88.12% stream (ant 0/1): 88.82% / 88.82% </pre>	

Scan	BB_0	shifted																
13	<p>Dataset: uid_A002_X914d9b_X155 Scan: 13 Baseband: BB_1</p>  <table border="1" data-bbox="316 367 617 409"> <tr> <td>Scan</td> <td>13</td> <td>RFChannel</td> <td></td> </tr> <tr> <td>Baseband</td> <td>BB_1</td> <td>Unpolarized (dB)</td> <td>87.126 / 87.126</td> </tr> <tr> <td>Detected</td> <td>UID_A002_X914d9b_X155</td> <td>Polarized (dB)</td> <td>86.266 / 86.266</td> </tr> <tr> <td>Detected</td> <td>UID_A002_X914d9b_X155</td> <td>Phase (deg)</td> <td>86.266 / 86.266</td> </tr> </table>	Scan	13	RFChannel		Baseband	BB_1	Unpolarized (dB)	87.126 / 87.126	Detected	UID_A002_X914d9b_X155	Polarized (dB)	86.266 / 86.266	Detected	UID_A002_X914d9b_X155	Phase (deg)	86.266 / 86.266	
Scan	13	RFChannel																
Baseband	BB_1	Unpolarized (dB)	87.126 / 87.126															
Detected	UID_A002_X914d9b_X155	Polarized (dB)	86.266 / 86.266															
Detected	UID_A002_X914d9b_X155	Phase (deg)	86.266 / 86.266															
14	<p>Dataset: uid_A002_X914d9b_X155 Scan: 14 Baseband: BB_1</p>  <table border="1" data-bbox="316 661 617 703"> <tr> <td>Scan</td> <td>14</td> <td>RFChannel</td> <td></td> </tr> <tr> <td>Baseband</td> <td>BB_1</td> <td>Unpolarized (dB)</td> <td>87.126 / 87.126</td> </tr> <tr> <td>Detected</td> <td>UID_A002_X914d9b_X155</td> <td>Polarized (dB)</td> <td>86.266 / 86.266</td> </tr> <tr> <td>Detected</td> <td>UID_A002_X914d9b_X155</td> <td>Phase (deg)</td> <td>86.266 / 86.266</td> </tr> </table>	Scan	14	RFChannel		Baseband	BB_1	Unpolarized (dB)	87.126 / 87.126	Detected	UID_A002_X914d9b_X155	Polarized (dB)	86.266 / 86.266	Detected	UID_A002_X914d9b_X155	Phase (deg)	86.266 / 86.266	
Scan	14	RFChannel																
Baseband	BB_1	Unpolarized (dB)	87.126 / 87.126															
Detected	UID_A002_X914d9b_X155	Polarized (dB)	86.266 / 86.266															
Detected	UID_A002_X914d9b_X155	Phase (deg)	86.266 / 86.266															
15	<p>Dataset: uid_A002_X914d9b_X155 Scan: 15 Baseband: BB_1</p>  <table border="1" data-bbox="316 955 617 997"> <tr> <td>Scan</td> <td>15</td> <td>RFChannel</td> <td></td> </tr> <tr> <td>Baseband</td> <td>BB_1</td> <td>Unpolarized (dB)</td> <td>87.126 / 87.126</td> </tr> <tr> <td>Detected</td> <td>UID_A002_X914d9b_X155</td> <td>Polarized (dB)</td> <td>86.266 / 86.266</td> </tr> <tr> <td>Detected</td> <td>UID_A002_X914d9b_X155</td> <td>Phase (deg)</td> <td>86.266 / 86.266</td> </tr> </table>	Scan	15	RFChannel		Baseband	BB_1	Unpolarized (dB)	87.126 / 87.126	Detected	UID_A002_X914d9b_X155	Polarized (dB)	86.266 / 86.266	Detected	UID_A002_X914d9b_X155	Phase (deg)	86.266 / 86.266	
Scan	15	RFChannel																
Baseband	BB_1	Unpolarized (dB)	87.126 / 87.126															
Detected	UID_A002_X914d9b_X155	Polarized (dB)	86.266 / 86.266															
Detected	UID_A002_X914d9b_X155	Phase (deg)	86.266 / 86.266															
	