
Program: AK553 Subarray(s): #1
Observer(s): Kenney Operator(s): Jim Campbell
Date: Thursday, Nov 14 2002 Configuration: C
User Number: 20 Decommissioned: 12
Source File(s): 308K553 VLBI Ref. Ant:
Observing Mode: Line VLB Antenna Pad:

API (Atmospheric Phase Interferometer) data can be found at <http://www.aoc.nrao.edu/vla/html/PhaseMonitor/sitemon.html>.

** Weather Information **

Time (IAT) Phase	Dew Point (C)	Temp. (C)	Wind	Bar. Pressure (mbar)	API RMS
02Nov14 13:09	-6.8C	0.8C	NW at 5.1 m/s	788.9mbars	
02Nov14 15:06	-6.5C	2.4C	W at 2.8 m/s	789.6mbars	
02Nov14 18:30	-5.6C	9.4C	NW at 6.2 m/s	789mbars	

Operator comments for the above weather entries.
Sky Cover is 10%. Stratusform type.
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** Visibility Tape Information **

Tape #	File #	Time of Final Record:
N17439	1	02Nov14 at 15:00:42
N17441	1	

** Monitor Tape Information **

Tape #	File #	Time of Final Record:
N17450	3	

Antenna(s) Used:

1 2 3 4 5 6 7 8 9 10 11 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

** Operator Comments **

02Nov14 13:07:31
Starting program: AK553, observe file: 308K553.

02Nov14 13:11:00
On source 1331+305 with all available antennas.
The band(s) used is(are) L band(s).

02Nov14 13:07:31
The on-line baseline parameters for antenna(s) 1 5 7 9 15 25 have recently been updated (prior to your observing run) to correct for errors resulting from their recent relocations. In the analysis of your data would you please check for any significant baseline errors especially on these antennas and let the Data Analysts (email - analysts@nrao.edu) know what you find when there are significant baseline errors. Thank you in advance.

02Nov14 14:29:00 - 02Nov14 16:55:00
Form #: PM # of Ants: 1.00 Downtime: 146.00
Antenna(s) 19 - MECHANICAL (Mechanical Structural Elements)
Problem(s); Mechanics re-packing motor bearings. Observing
Data: Lost

02Nov14 15:06:44
**** Greg Patterson & Dave Midgett is your operator. ****

02Nov14 15:11:21
Ran a backup on the Modcomp partition where observe files are kept.

02Nov14 15:15:00 - 02Nov14 15:24:30
Form #: C110108 # of Ants: 1.00 Downtime: 9.50

Antenna(s) 14 - SERVO (Antenna ACU, Encoders, Translators)
Problem(s); Antenna parked for servo to investigate focus problem
with subreflector. Observing Data: Lost

02Nov14 17:22:00 - 02Nov14 17:24:40

Form #: Interference # of Ants: 27.00 Downtime: 72.00
INTERFERE (INTERFERENCE, RADIO FREQUENCY (RFI))
Problem(s); RFI spikes noted on low end of all 4 IF's. Observing
Data: Corrupted

02Nov14 17:29:00 - 02Nov14 17:38:00

Form #: Interference # of Ants: 27.00 Downtime: 243.00
INTERFERE (INTERFERENCE, RADIO FREQUENCY (RFI))
Problem(s); RFI spikes noted on low end of all 4 IF's. Observing
Data: Corrupted

02Nov14 17:38:00 - 02Nov14 19:00:00

Form #: C110109 # of Ants: 0.00 Downtime: 0.00
Antenna(s) 26 - VLA CORREL (VLA Correlator Hardware)
Problem(s); Sampler on IF D being tested/swapped by correlator
techs. Observing Data: No effect

02Nov14 17:45:00 - 02Nov14 17:49:00

Form #: Interference # of Ants: 27.00 Downtime: 108.00
INTERFERE (INTERFERENCE, RADIO FREQUENCY (RFI))
Problem(s); RFI spikes noted on low end of all 4 IF's. Observing
Data: Corrupted

02Nov14 17:57:00 - 02Nov14 18:24:30

Form #: C110108 # of Ants: 1.00 Downtime: 27.50
Antenna(s) 14 - FRONT END (Front end) Problem(s); Parked for
front end techs to inspect F3 module. Observing Data: Lost

02Nov14 19:06:42

End of program AK553. Total Downtime = 606.0 minutes (6.2% of total time).