
Program: AK553 Subarray(s): #1
Observer(s): Van Gorkom Operator(s): Jim Campbell
Date: Thursday, Oct 31 2002 Configuration: C
User Number: 330 Decommissioned: 12
Source File(s): 294K553 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 **

Table with 6 columns: Time (IAT) Phase, Dew Point (C), Temp. (C), Wind, Bar. Pressure (mbar), API RMS. Rows show weather data for 02Oct31 at 14:04, 15:07, and 18:30.

Operator comments for the above weather entries.
The sky is clear.
The sky is clear.
The sky is clear.

** Visibility Tape Information **

Table with 3 columns: Tape #, File #, Time of Final Record. Rows show visibility tape data for N17377 and N17378.

** Monitor Tape Information **

Table with 3 columns: Tape #, File #, Time of Final Record. Row shows monitor tape data for N17370.

Antenna(s) Used:

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

** Operator Comments **

02Oct31 14:02:50
Starting program: AK553, observe file: 294K553.

02Oct31 14:06:00
On source 1331+305 with all available antennas.
The band(s) used is(are) L band(s).

02Oct31 14:02:50
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.

02Oct31 14:02:50 - 02Oct31 17:26:00
Form #: C109974 # of Ants: 1.00 Downtime: 203.17
Antenna(s) 28 - LOCAL OSC (Local Oscillator) Problem(s); T2 and T5 levels out of range at all bands. All data is flagged.
Antenna parked. Observing Data: Lost

02Oct31 14:02:50 - 02Oct31 14:09:00
Form #: PM # of Ants: 1.00 Downtime: 6.17
Antenna(s) 8 - CRYOGENICS (Cryogenics and Vacuum Hardware) Problem(s); Technicians charging compressors.
Observing Data: Lost

02Oct31 14:09:00 - 02Oct31 14:14:00
Form #: PM # of Ants: 1.00 Downtime: 5.00

Antenna(s) 20 - CRYOGENICS (Cryogenics and Vacuum
Hardware) Problem(s); Technicians charging compressors.
Observing Data: Lost

02Oct31 14:11:00 - 02Oct31 14:20:00

Form #: PM # of Ants: 1.00 Downtime: 9.00
Antenna(s) 16 - CRYOGENICS (Cryogenics and Vacuum
Hardware) Problem(s); Technicians charging compressors.
Observing Data: Lost

02Oct31 14:25:00 - 02Oct31 14:32:00

Form #: PM # of Ants: 1.00 Downtime: 7.00
Antenna(s) 7 - CRYOGENICS (Cryogenics and Vacuum
Hardware) Problem(s); Technicians charging compressors.
Observing Data: Lost

02Oct31 15:07:49

**** David Midgett & Jon Jakischa is your operator. ****

02Oct31 15:25:49

Ran a backup on the Modcomp partition where observe files are kept.

02Oct31 15:48:00 - 02Oct31 16:00:00

Form #: PM # of Ants: 1.00 Downtime: 12.00
Antenna(s) 11 - CRYOGENICS (Cryogenics and Vacuum
Hardware) Problem(s); Technicians charging compressors.
Observing Data: Lost. Late End time entry-End time approx.

02Oct31 16:00:40 - 02Oct31 16:35:30

Form #: PM # of Ants: 1.00 Downtime: 34.83
Antenna(s) 06 - CRYOGENICS (Cryogenics and Vacuum
Hardware) Problem(s); Technicians checking K band compressor.
Observing Data: Lost

02Oct31 15:31:00 - 02Oct31 16:32:00

Form #: Other # of Ants: 0.50 Downtime: 30.50
Antenna(s) 2 - FOC ROT (Focus Rotation Mount and Controls)
Problem(s); Subreflector drifting intermittently in rotation.
Observing Data: Corrupted

02Oct31 17:07:00 - 02Oct31 17:07:00

Form #: Other # of Ants: 0.00 Downtime: 0.00
Antenna(s) 11 - LOCAL OSC (Local Oscillator) Problem(s); Local
Oscillator phase jump, cycle slip occurred Observing Data:
Corrupted

02Oct31 18:22:30 - 02Oct31 20:02:01

Form #: Other # of Ants: 1.00 Downtime: 99.52
Antenna(s) 13 - FRONT END (Front end) Problem(s); Front end
group installing new Q band receiver. Observing Data: Lost

02Oct31 18:24:00 - 02Oct31 18:39:40

Form #: Other # of Ants: 1.00 Downtime: 15.67
Antenna(s) 8 - CRYOGENICS (Cryogenics and Vacuum
Hardware) Problem(s); Technicians checking compressors.
Antenna parked. Observing Data: Lost

02Oct31 20:02:01

End of program AK553. Total Downtime = 422.9 minutes (4.4% of total time).