

VLA OBSERVING LOG

2004-04-16_0102_AK563

Contact Observer's E-Mail Address: archung@astro.columbia.edu
 Configuration: Cs
 Decommissioned: 13
 VLBI Ref. Ant:
 VLBI Antenna Pad:

Program:	AK563	Date:	16-Apr-04
Observer(s):	Aeree Chung	Initial Source:	1331+305
User #:	20	Observing Mode:	Line 2AC
Subarray(s):	1	Bands Used:	L
Source File(s):	838K563		
Operator(s):	Tom Briscoe, Sonja Mendoza		

API (Atmospheric Phase Interferometer) information can be found at:

<http://www.vla.nrao.edu/astro/guides/api/>

Adobe PDF version of this log is located at:

<http://www.vla.nrao.edu/operators/logs/>

Time (IAT)	Dew Point (C)	Temp. (C)	Wind m/sec @ direction	Bar. Pressure (mbars)	API sat. rms ϕ	Remarks
16Apr 1:02:56	1.7	17.4	W at 9.5 m/s	788	4.5	Sky cover 10%. Stratiform clouds.
16Apr 6:10:00	-4.9	8.5	W at 1 m/s	790.4	2.8	Sky clear.

Observing Data:

Tape #	Time of Final Record
N20216	16Apr 1:41:00
N20217	16Apr 9:11:03
N20218	

Monitor Data:

Tape #	File #	Time of Final Record
N20220	5	

Total # of antennas used = 27

Start Time	End Time	Comments	Form #	#Ants	Down T. (in minutes)
16Apr 1:02:56		Starting program AK563.			
16Apr 1:06:30		On source 1331+305 with all available antennas.			
		The band(s) used is(are) L			
		Antenna(s) : 10			
		do not have good baseline positions determined for them because they were			

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		moved to their present location recently. Please check for any significant			
		errors and let the Data Analysts (email - analysts@nrao.edu) know what you			
		find. Thank you.			
16Apr 1:02:56	16Apr 11:01:33	Antenna(s) 24 (Data: Lost): LO/IF	C113832	1.00	598.6
		Numerous D-Rack LO errors. Lost datasets 0-4; antenna stowed.			
16Apr 1:41:00	16Apr 2:05:00	Antenna(s) All Antennas (Data: Lost): VLA COMPUTRS	Other	26.00	624.0
		Receiving a stream of monitor data errors; contacting VLA computer experts.			
		Update: the computer experts have asked us to reboot the VLA online systems.			
16Apr 5:24:30	16Apr 5:25:30	A very brief burst of RFI affected all antennas and IFs. Laste RFI		26.00	26.0
		approximately 1 minute. Data was flagged.			
16Apr 6:08:00		Your new operator is: Jim Campbell			
16Apr 6:09:00		Ran a backup on the Modcomp partition.			
16Apr 8:47:00	16Apr 8:58:00	Antenna(s) 16 (Data: Unknown Effect): VLA CORRELTR	C113835	1.00	11.0
		Correlator errors in quad 3 array 3 (DCS27). Replaced multiplier card to clear.			
16Apr 9:12:40	16Apr 9:32:00	Antenna(s) 4,7,9,10,12,15,16,17,19,24,28 (Data: Lost): SITE POWER	C113836	11.00	212.7
		Power surge knocked 11 antennas out of digital position mode. Reset ACU and			
		non-critical power to restore array.			
Program End Time			Total Program Time (minutes x 27 ants.)	Downtime % of Total Time	Total Downtime
16Apr 11:01:33	End of program AK563		16162.6	9.1%	1472.3