VLA OBSERVING LOG

Contact Observer's E-Mail Address: archung@astro.columbia.edu
Configuration: C
Decommissioned: 18
VLBI Ref. Ant:
VLBI Antenna Pad:

Program:	**AK563**	Date:	23-Jul-05
Observer(s):	Aeree Chung	Initial Source:	1331+305
User #:	20	Observing Mode:	0
Subarray(s):	1	Bands Used:	L
Source File(s):	293AK63		
Operator(s):	Steve Steele		

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/

Visibility data is updated each day at IAT/UT midnight and is available from the online archive at:

http://e2e.nrao.edu/archive/

Time (IAT)	Dew Point (C)	Temp. (C)	Wind Speed & Direction	Bar. Pressure (mbars)	API sat. rms ϕ	Remarks
23Jul 18:05:10	9.9	24.6	SW at 3.6 m/s	795.5	8.4	Sky cover 90%. Mixed clouds.
23Jul 18:59:30	9.8	25.8	SW at 5.0 m/s	794.9	12.2	Sky overcast. Mixed clouds.
23Jul 19:59:06	9.3	22.5	SE at 7.3 m/s	794.9	14.2	Sky overcast. Mixed clouds. Light rain.
23Jul 20:59:38	9.9	23.4	SE at 3.2 m/s	794.3	16.9	Sky cover 90%. Mixed clouds.
23Jul 21:59:12	9.7	23.8	S at 2.0 m/s	794.0	9.0	Sky overcast. Mixed clouds. Light rain.
23Jul 22:59:45	7.9	26.0	W at 1.6 m/s	793.3	11.6	Sky cover 90%. Mixed clouds.
24Jul 00:59:53	7.7	25.5	NW at 2.3 m/s	793.0	3.1	Sky cover 70%. Mixed clouds.
24Jul 03:00:00	8.7	21.2	W at 1.2 m/s	793.4	4.2	

Observing Data:

Tape #	Time of Final Record
DM0043	

Monitor Data:

Tape #	File #	Time of Final Record
N21426	4	24Jul 0:00:00
N21426	5	

Total # of antennas used =   27

Start Time	End Time	Comments	Form #	#Ants	Downtime
23Jul 18:05:10		Starting program AK563.			(in minutes)
23Jul 18:08:00		On source 1331+305 with all available antennas.			
23Jul 18:05:10		The band(s) used is(are) L			
		Antenna(s): 1 3 4 5 7 9 11 15 20 21 22 23 24 25 26 27			
		have recently updated baseline parameters to correct for errors resulting from			

		their recent relocation. Please check for any significant errors and let the				
		Data Analysts (email - analysts@nrao.edu) know what you find. Thank you.				
23Jul 18:05:10	24Jul 4:29:30	Antenna 13 (Data: Lost): EVLA	C112151	1.00	624.3	
		Antenna is being used for EVLA testing.				
23Jul 18:05:10	24Jul 4:29:30	Antenna 14 (Data: Lost): EVLA	T100268	1.00	624.3	
		Antenna is being used for EVLA testing.				
23Jul 18:05:10	24Jul 4:29:30	Antenna 16 (Data: Lost): EVLA	T100312	1.00	624.3	
		Antenna is being used for EVLA testing.				
		SHADOWING IS OCCURRING! Some antennas are blocking the view				
		of your radio source from other antennas. You may have to edit your				
		data. Observing data: Corrupted.				
23Jul 18:05:10	23Jul 19:58:00	Antenna(s) 7 (Data: Corrupted): LO/IF	C116572	1.00	112.8	
		The antenna is experiencing a number of intermittent LO-related problems.				
23Jul 18:05:10	23Jul 19:37:00	Antenna(s) 22 (Data: Corrupted): LO/IF	C116576	1.00	91.8	
		Synthesizer will not lock				
23Jul 20:30:00	23Jul 21:13:00	Antenna(s) 19 (Data: Corrupted): INTERFERENCE	RFI	0.50	21.5	
		Flagged by RFI				
23Jul 22:04:00		Your new operator(s) is(are): Ryan Johnson				
23Jul 23:34:00	23Jul 23:38:30	All antennas (Data: Unknown Effect): VLA CORRELTR	Other	24.00	108.0	
		There was a problem in the correlator, a driver card needed reseated.				
		Data flagged for this period.				
Program End Time			**Total Program Time (minutes x 27 ants.)**	**Downtime % of Total Time**	**Total Downtime**	
24Jul 4:29:30	**End of program AK563**		**16857.0**	**13.1%**	**2207.2**	