

VLA OBSERVING LOG

2008-12-19_0417_AM962

Contact Observer's E-mail: kcavagno@sciborg.uwaterloo.ca

Configuration: A

Decommissioned: 15

VLBI Ref. Ant:

VLBI Antenna Pad:

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 available from the online archive at:

<http://archive.nrao.edu>

Program:	AM962	Date:	19-Dec-08
Observer(s):	Cavagnolo	Initial Source:	0521+166
User #:	20	Observing Mode:	Line 4
Subarray(s):	1	Bands Used:	P
Source File(s):	541AM962		
Operator(s):	Jim Campbell		

Time (IAT)	Dew Point (C)	Temp. (C)	Wind Speed & Direction	Bar. Pressure (mbars)	API sat. rms ϕ	Remarks
19Dec 4:17:57	-6.3	0.4	W at 8.7 m/s	789.6	N/A	Sky cover 30%. Mixed clouds. Gusty winds.
19Dec 8:59:04	-7.4	-2.4	W at 3.7 m/s	790.4	N/A	Sky cover 20%. Stratiform clouds.
19Dec 12:09:14	-8.0	-4.0	W at 1.1 m/s	790.1	N/A	Sky cover 20%. Stratiform clouds.
19Dec 13:02:00	-9.9	-6.7	N at 0.8 m/s	790.3	N/A	Sky cover 20%. Stratiform clouds.
19Dec 14:49:14	-11.1	-7.5	NW at 1.1 m/s	790.7	N/A	Sky cover 70%. Stratiform clouds.
19Dec 15:59:26	-6.8	-2.9	NW at 1.1 m/s	790.8	N/A	Sky cover 80%. Stratiform clouds.
19Dec 17:09:41	-8.0	3.8	W at 6.6 m/s	790.8	N/A	Sky cover 90%. Mixed clouds.
19Dec 17:29:11	-9.5	4.1	W at 4.4 m/s	790.7	N/A	Sky cover 80%. Mixed clouds.
19Dec 18:09:11	-7.9	5.4	SW at 7.6 m/s	790.0	N/A	Sky overcast. Mixed clouds.
19Dec 18:39:25	-8.9	6.7	W at 5.1 m/s	789.5	N/A	Sky cover 90%. Mixed clouds.

Total # of antennas used = 27

Start Time	End Time	Comments/Outages	Form #	#Ants	Downtime (in minutes)
19Dec 4:17:57		Starting program AM962.			
19Dec 4:17:57		The band(s) used is(are): P			
19Dec 4:20:00		On source 0521+166 with all available antennas.			
19Dec 4:17:57		Antenna(s) : 28			
		have recently updated baseline parameters to correct for errors resulting from			
		their recent relocation.			
		Antenna(s) : 9			
		do not have good baseline positions determined for them because they were			
		moved to their present location recently. Please check for any significant			

VLA OBSERVING LOG

2008-12-19_0417_AM962

		errors and let the Data Analysts (email - analysts@nrao.edu) know what you find. Thank you.			
19Dec 4:17:57		Your data were taken with the new EVLA computer system controlling the Array. The data flagger is still incomplete for some EVLA failure modes, so observers should carefully review their calibrator observations for these flagger failures.			
19Dec 4:17:57		We are currently including all checked-out (operational) EVLA antennas in the VLA by default. For your project, we have included the following EVLA antennas in the array: 1 2 3 4 5 11 13 14 16 17 18 21 23 24 25 26 28			
19Dec 4:17:57		Please note that using the EVLA antennas is a shared-risk operation and we cannot guarantee that useful data will be produced by these antennas. Users should consult the web page http://www.vla.nrao.edu/astro/guides/evlaretturn for known problems and workarounds in using the EVLA antennas with the VLA. We would like your input and feedback on the use of the EVLA antennas in your project; please send all comments and/or questions to gvanmoor@aoc.nrao.edu.			
19Dec 4:17:57	19Dec 19:15:42	Antenna 9 (Data: Lost): EVLA	T100559	1.00	897.7
		Antenna is undergoing EVLA testing			
19Dec 4:17:57	19Dec 18:45:10	Antenna 19 (Data: Lost): SERVO	C124004	1.00	867.2
		FRM will not move in rotation. Requires re-indexing. Antenna parked.			
19Dec 4:17:57	19Dec 19:15:42	Antenna(s) 1 3 4 5 21 24 (Data: Lost): FRONT END	Other	6.00	5386.5
		P band receiver unplugged in the antenna.			
19Dec 4:17:57	19Dec 19:15:42	Antenna(s) 16 (Data: Lost): FRONT END	Other	1.00	897.7
		No up converter for low band.			
19Dec 4:17:57	19Dec 17:49:19	Antenna(s) 26 (Data: Lost): LO/IF	C124030	0.50	405.7
		Backend total power out of range on IF's A and C.			
19Dec 4:20:00	19Dec 19:15:42	Antenna(s) 28 (Data: Lost): LO/IF	C124042	1.00	895.7
		Backend total power out of range on all IF's.			
19Dec 7:00:00		Your new operator(s) is(are): Sam Gilmore			
19Dec 7:29:00	19Dec 11:11:40	Antenna(s) 13 (Data: Lost): INTERFERENCE	RFI	0.75	167.0
		Fringe amplitudes dead IFs B, C and D. TP backend out of range.			
19Dec 11:11:40	19Dec 17:19:00	Antenna(s) 13 (Data: Lost): INTERFERENCE	RFI	0.25	91.8
		Fringe amplitudes dead IF C. TP backend out of range.			
19Dec 14:37:00	19Dec 14:48:40	Antenna(s) 11 (Data: Lost): HVAC	Other	1.00	11.7
		Antenna parked to allow HVAC tech to check vertex room temp.			
19Dec 14:56:00		Your new operator is Steve Steele.			

VLA OBSERVING LOG

2008-12-19_0417_AM962

19Dec 17:29:00	19Dec 18:45:20	Antenna(s) 8 (Data: Lost):	FRONT END	Other	1.00	76.3
		Front End Techs are putting up di-pole rope.				
19Dec 17:29:00	19Dec 17:44:00	Antenna(s) 13 (Data: Lost):	CRYOGENICS	PM	1.00	15.0
		Cryo techs charging compressors. Antenna stowed.				
19Dec 17:38:45	19Dec 17:57:50	Antenna(s) 6 (Data: Lost):	SERVO	Other	1.00	19.1
		Servo Tech is swapping out Data Converters.				
19Dec 17:44:00	19Dec 19:15:42	Antenna(s) 13 (Data: Lost):	INTERFERENCE	RFI	0.25	22.9
		Fringe amplitudes dead IF C. TP backend out of range.				
19Dec 17:49:19	19Dec 18:18:10	Antenna(s) 26 (Data: Lost):	CRYOGENICS	RFI	1.00	28.9
		Cryo techs charging compressors. Antenna stowed.				
19Dec 18:18:10	19Dec 19:15:42	Antenna(s) 26 (Data: Lost):	LO/IF	C124030	0.50	28.8
		Backend total power out of range on IF's A and C.				
19Dec 18:43:52	19Dec 19:15:42	Antenna(s) 17 (Data: Lost):	FRONT END	Other	1.00	31.8
		Front End Techs are putting up di-pole rope.				
Program End Time			Total Program Time (minutes x 27 ants.)	Downtime % of Total Time	Total Downtime	
19Dec 19:15:42	End of program AM962		24239.2	40.6%	9843.9	