VLA OBSERVING LOG

2009-02-02_0817_AM962

Contact Observer's E-mail: kcavagno@sciborg.uwaterloo.ca
Configuration: BnA
Decommissioned: 8
VLBI Ref. Ant:
VLBI Antenna Pad:

Program:	**AM962**	Date:	2-Feb-09
Observer(s):	Ken Cavagnolo	Initial Source:	1331+305
User #:	20	Observing Mode:	Line 4
# Subarrays:	1	Bands Used:	P
Source File(s):	586AM962		
Operator(s):	Sam Gilmore		

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

Time (IAT)	Dew Point (C)	Temp. (C)	Wind Speed & Direction	Bar. Pressure (mbars)	API sat. rms ϕ	Remarks
02Feb 8:17:50	-14.8	-3.9	NE at 0.4 m/s	794.0	1.3	Sky clear.
02Feb 8:59:46	-14.7	-2.9	NE at 0.2 m/s	794.0	1.9	Sky clear.
02Feb 10:59:30	-14.9	-4.9	NE at 2.6 m/s	794.5	1.3	Sky clear.
02Feb 12:39:49	-17.4	-9.7	NE at 0.7 m/s	794.8	1.1	Sky clear.

Total # of antennas used = 27

Start Time	End Time	Comments/Outages	Form #	#Ants	Downtime
02Feb 8:17:50		Starting program AM962.			(in minutes)
02Feb 8:17:50		The band(s) used is(are): P			
02Feb 8:19:50		On source 1331+305 with all available antennas.			
02Feb 8:17:50		Antenna(s) : 2 4 5 9 11 14 16 17 19 22 23			
		have recently updated baseline parameters to correct for errors resulting from			
		their recent relocation.			
		Antenna(s) : 15			
		do not have good baseline positions determined for them because they were			
		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.			
02Feb 8:17:50		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.			
02Feb 8:17:50		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 9 11 13 14 16 17 18 19 21 23 24 25 26 28			
02Feb 8:17:50		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/evlareturn			
		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.			
02Feb 8:17:50	02Feb 14:19:30	Antenna 15 (Data: Lost): EVLA	T100630	1.00	361.7
		Antenna is undergoing EVLA testing			
02Feb 8:17:50	02Feb 14:19:30	Antenna(s) 1, 3, 4, 5, 24 (Data: Lost): FRONT END	Other	5.00	1808.3
		P band receiver unplugged due to oscillations.			
02Feb 8:17:50	02Feb 14:19:30	Antenna(s) 9 (Data: Lost): FRONT END	Other	1.00	361.7
		P band receiver not yet installed.			
02Feb 8:17:50	02Feb 14:19:30	Antenna(s) 16 (Data: Lost): FRONT END	Other	1.00	361.7
		P band not functional. No up-converter.			
02Feb 8:17:50	02Feb 14:19:30	Antenna(s) 13 (Data: Lost): LO/IF	C123957	0.50	180.8
		Fringe amplitudes dead at IFs B and D.			
02Feb 8:17:50	02Feb 14:19:30	Antenna(s) 14 (Data: Lost): LO/IF	C124276	1.00	361.7
		Fringe amplitudes dead across all IFs. Synch Detector low.			
02Feb 8:17:50	02Feb 14:19:30	Antenna(s) 17 (Data: Lost): LO/IF	C124281	1.00	361.7
		Fringe amplitudes dead across all IFs.			
02Feb 8:17:50	02Feb 14:19:30	Antenna(s) 18 (Data: Lost): INTERFERENCE	RFI	0.25	90.4
		Fringe amplitude dead IF A. Backend TP out of range.			
02Feb 8:17:50	02Feb 14:19:30	Antenna(s) 28 (Data: Lost): INTERFERENCE	RFI	0.25	90.4
		Fringe amplitude dead IF B. Backend TP out of range.			

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Program End Time		Total Program Time (minutes x 27 ants.)	Downtime % of Total Time	Total Downtime
02Feb 14:19:30	End of program AM962	9765.0	40.7%	3978.3