VLA OBSERVING LOG

Program:	**AM962**	Date:	26-Dec-08
Observer(s):	Ken Cavagnolo	Initial Source:	1331+305
User #:	20	Observing Mode:	Line 4
Subarray(s):	1	Bands Used:	P
Source File(s):	548AM962		
Operator(s):	Sam Gilmore		

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

Time (IAT)	Dew Point (C)	Temp. (C)	Wind Speed & Direction	Bar. Pressure (mbars)	API sat. rms ϕ	Remarks		
26Dec 9:48:20	-2.2	6.3	W at 10.1 m/s	777.0	N/A	Sky cover 20%.	Stratiform clouds.	Gusty winds.
26Dec 12:59:30	-2.4	6.2	W at 11.9 m/s	775.0	N/A	Sky cover 20%.	Stratiform clouds.	Gusty winds.
26Dec 14:39:50	-1.2	5.7	W at 12.6 m/s	774.5	N/A	Sky cover 30%.	Mixed clouds.	Gusty winds.

Total # of antennas used = 27

Start Time	End Time	Comments/Outages	Form #	#Ants	Downtime
26Dec 9:48:20		Starting program AM962.			(in minutes)
26Dec 9:48:20		The band(s) used is(are): P			
26Dec 9:55:40		On source 1331+305 with all available antennas.			
26Dec 9:48:20		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			
		errors and let the Data Analysts (email - analysts@nrao.edu) know what you			
		find. Thank you.			
26Dec 9:48:20		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.			
26Dec 9:48:20		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 19 21 23 24 25 26 28				
26Dec 9:48:20		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.				
26Dec 9:48:20	26Dec 15:49:00	Antenna 9 (Data: Lost): EVLA	T100559	1.00	360.7
		Antenna is undergoing EVLA testing				
26Dec 9:48:20	26Dec 15:49:00	Antenna(s) 11 (Data: Lost): WEATHER	Weather	1.00	360.7
		Antenna(s) auto-stowed due to high winds.				
26Dec 9:48:20	26Dec 10:34:30	Antenna(s) 20 (Data: Lost): WEATHER	Weather	1.00	46.2
		Antenna(s) auto-stowed due to high winds.				
26Dec 9:48:20	26Dec 15:49:00	Antenna(s) 22 (Data: Lost): WEATHER	Weather	1.00	360.7
		Antenna(s) auto-stowed due to high winds.				
26Dec 9:48:20	26Dec 10:23:20	Antenna(s) 25 (Data: Lost): WEATHER	Weather	1.00	35.0
		Antenna(s) auto-stowed due to high winds.				
26Dec 9:48:20	26Dec 15:49:00	Antenna(s) 1, 3, 4, 5, 21, 24 (Data: Lost): FRONT END	Other	6.00	2164.0
		P band receiver unplugged due to oscillations.				
26Dec 9:48:20	26Dec 15:49:00	Antenna(s) 16 (Data: Lost): FRONT END	Other	1.00	360.7
		P band not functional. No up-converter.				
26Dec 9:48:20	26Dec 15:49:00	Antenna(s) 28 (Data: Lost): FRONT END	Other	1.00	360.7
		P band receiver not yet installed.				
26Dec 9:48:20	26Dec 15:49:00	Antenna(s) 13 (Data: Lost): INTERFERENCE	RFI	0.75	270.5
		Fringe amplitudes dead IFs B, C and D. BAckend TP out of range.				
26Dec 13:00:00		Note: 5 antennas have dropped out of DPM. For safety reasons all antennas				
		will be stowed due to the high wind gusts.				
26Dec 13:00:00	26Dec 15:49:00	Antenna(s) All (Data: Lost): WEATHER	Weather	13.25	2239.3
		Antenna(s) auto-stowed due to high winds.				
26Dec 13:02:00		Also of note: Stow pin error for antenna 24. Antenna will not move in elevation				
		stuck at 50 degrees. SERVO tech Doug Whiton called out.				
26Dec 14:49:00		Your new operator(s) is(are): Larry Brothers				

Program End Time			Total Program Time (minutes x 27 ants.)	Downtime % of Total Time	Total Downtime
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26Dec 15:49:00	**End of program AM962**		**9738.0**	**67.3%**	**6558.3**