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********** Program:  AH519 **********
** Program Information **
Program:  AH519
Observer:  Hoffman
Source File:  402H519
Subarray:  #1
Observe Mode:  Line
Operator:  Jim Nieri

Date:  94Dec08
User Number:  1741
Configuration:  C
Decommissioned:  19
VLBI Ref. Ant:  0
VLB Antenna Pad:

** Weather **
Time:  08Dec 11:9:38
Dew Point:  -4¡C
Temp.:  -1.1¡C
Wind:  w at 2 M/S
Bar. Pressure:  788.1mbars
Remarks:  Sky Cover is 10%. Stratusform type.


Time:  08Dec 14:47:4
Dew Point:  -3.1¡C
Temp.:  0¡C
Wind:  SW at 1.5 m/sec
Bar. Pressure:  788mbars
Remarks:  Sky Cover is 10%. Stratusform type.


Time:  08Dec 15:46:20
Dew Point:  -3.3¡C
Temp.:  -0.4¡C
Wind:  calm
Bar. Pressure:  788mbars
Remarks:  Sky Cover is 10%. Stratusform type.


Time:  08Dec 18:30:55
Dew Point:  -1.6¡C
Temp.:  6.3¡C
Wind:  W at 3.0 m/sec
Bar. Pressure:  788mbars
Remarks:  Sky Cover is 30%. Stratusform type.



** Visibility Tape Information **
Tape #:  N5680
File #:  1



** Monitor Tape Information **
Tape #:  N5690
File #:  1



** Operator Comments **

Start time:  94Dec08 at 11:03:10
Maintenance Form #:
Number of antennas down:
Amount of Downtime (in antenna minutes):  (in Minutes)
Operator comments:
Start of observe file. The band(s) used is(are) L   band(s).

Start time:  94Dec08 at 11:05:30
Maintenance Form #:
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Number of antennas down:
Amount of Downtime (in antenna minutes):
Operator comments:
On source 1252+119 with all available antennas.

Start time:   94Dec08 at 11:11:00
Maintenance Form #:
Number of antennas down:
Amount of Downtime (in antenna minutes):
Operator comments:
The Modcomps check OK. The Fringe amplitudes are at 0.070 average
for most antennas.

Start time:   94Dec08 at 11:12:00
Maintenance Form #:   9907
Number of antennas down:   0
Amount of Downtime (in antenna minutes):
Operator comments:
VLA CORREL  (VLA Correlator) Problem(s); There are
sporadic QUAD 2 ARRAY 2 correlator errors at source change
time only. The problem disappears after the next cycle and is
not continuous.  Observing Data: Unknown Effect

Start time:   94Dec08 at 12:11:15
Maintenance Form #:   Other
Number of antennas down:   0
Amount of Downtime (in antenna minutes):
Operator comments:
OTHER  (Miscellaneous Equipment) Problem(s); There was a
burst of Interference noticed at all IF's . which had a strength of
< 5 db's,  at the edge of each IF. for a short time < 30 seconds.
The time too short to document properly.
Observing Data: Corrupted

Start time:   94Dec08 at 13:01:00
End time:   94Dec08 at 13:05:00
Maintenance Form #:   9907
Number of antennas down:   4.5
Amount of Downtime (in antenna minutes):   18.0000000115251
Operator comments:
VLA CORREL  (VLA Correlator) Problem(s); A multiplier
card was swapped in slot PE , quad 2 array 2 , Old =16 , new =
157. to alleviate the problem found earlier. Observing Data:
Lost

Start time:   94Dec08 at 13:25:00
End time:   94Dec08 at 13:29:00
Maintenance Form #:   9878
Number of antennas down:   1
Amount of Downtime (in antenna minutes):   3.99999999208376
Operator comments:
Antenna(s) 23 - FOC ROT  (Focus & Rotation mount and
controls) Problem(s); The Rotation of the subreflector is
drifting. The antenna rotation placed in "NAP" for the duration
of the file. Observing Data: Lost

Start time:   94Dec08 at 14:47:07
Maintenance Form #:
Number of antennas down:
Amount of Downtime (in antenna minutes):
Operator comments:
**** Larry Brothers is your operator. ****

Start time:   94Dec08 at 15:55:00
End time:   94Dec08 at 17:57:00
Maintenance Form #:
Number of antennas down:
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Amount of Downtime (in antenna minutes):
Operator comments:
Antenna 28 is in Subarray 2 for VLBI test.

Start time: 94Dec08 at 16:19:00
End time: 94Dec08 at 17:59:00
Maintenance Form #: 9528
Number of antennas down: 1
Amount of Downtime (in antenna minutes): 100.000000001164
Operator comments:
Antenna(s) 11 - MECHANICAL (Mechanical structural
elements) Problem(s); Antenna is in manual control for
lubrication. Observing Data: Lost

Start time: 94Dec08 at 17:46:00
End time: 94Dec08 at 18:10:00
Maintenance Form #: 9908
Number of antennas down: 1
Amount of Downtime (in antenna minutes): 24.0000000048894
Operator comments:
Antenna(s) 27 - FRONT END (Front end hardware)
Problem(s); Antenna is stowed to check K/Ku first LO (F3).
Observing Data: Lost

Start time: 94Dec08 at 18:10:00
End time: 94Dec08 at 18:17:00
Maintenance Form #: 9910
Number of antennas down: 1
Amount of Downtime (in antenna minutes): 7.00000000186265
Operator comments:
Antenna(s) 27 - ELECTRICAL (Breakers, UPS, lighting,
Crit./Non-Crit.) Problem(s); Antenna is stowed to check worn
insulation on cable wrap. Observing Data: Lost

Start time: 94Dec08 at 18:13:00
End time: 94Dec08 at 19:02:00
Maintenance Form #: Unschedule
Number of antennas down: 1
Amount of Downtime (in antenna minutes): 49.0000000025611
Operator comments:
Antenna(s) 3 - LOCAL OSC Problem(s); Antenna is stowed
to check LO power to Q-band system. Observing Data: Lost

Start time: 94Dec08 at 18:15:58
Maintenance Form #:
Number of antennas down:
Amount of Downtime (in antenna minutes):
Operator comments:
The test e-mail message from the computer Zia was received. Observe
mail should work fine.

End time: 94Dec08 at 19:02:00
Maintenance Form #:
Number of antennas down:
Amount of Downtime (in antenna minutes):
Operator comments:
End of program AH519.