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Program: AK514 Subarray(s): #1
Observer(s): Jacqueline Van Gorkom Operator(s): Phillip D. Hicks
Date: Monday, Mar 20 2000 Configuration: C
User Number: 330 Decommissioned: 1
Source File(s): 336K514 VLBI Ref. Ant:
Observing Mode: Line, mode = 2AC VLB Antenna Pad:

\*\* Weather Information \*\*

Time Dew Point Temp. Wind Bar. Pressure
00Mar20 02:16:34 -13.2C 9.8C SW at 3.7 m/sec 782.9mbars
00Mar20 06:56:39 -13.8C 4.6C WSW at 3.2 m/sec 781.1mbars

Remarks: Operator comments for the above weather entries.
The sky is clear.
The sky is clear.

\*\* Visibility Tape Information \*\*

Tape # File # Time of Final Record:
N12412 1 00Mar20 at 3:47:23
N12413 1 00Mar20 at 7:22:23
N12414 1

\*\* Monitor Tape Information \*\*

Tape # File # Time of Final Record:
N12420 1

Antenna(s) Used:

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

\*\* Operator Comments \*\*

00Mar20 02:19:14
Starting program: AK514, observe file: 336K514.

00Mar20 02:24:00
On source N4522 with all available antennas.
The band(s) used is(are) L band(s).

00Mar20 02:19:14
Antenna(s) 2 11 15 18 26 27 do not have good baseline positions
determined for them because they were moved to their present
location recently. In the analysis of your data would you please
check for any baseline errors especially on these antennas and let
the Data Analysts (email - analysts@nrao.edu) know what you find
when there are significant baseline errors. Thank you in advance.

00Mar20 02:19:14
The observer did not specify that antenna 15 (DN1)
was critical to the observation. Operations will designate
antennas 8 (CN4) and 5 (CN6) as critical antennas.

00Mar20 02:19:14
The API (Array Phasing Interferometer) is broken. No API data!

00Mar20 02:19:14 - 00Mar20 09:18:22
Form #: C101375 # of Ants: 0.75 Downtime: 314.35
Antenna(s) 17 - FRONT END (Front end) Problem(s); L-band
cryogenic system warm due to power outage last night. High
system temperatures. Observing Data: Corrupted

00Mar20 02:19:14
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.

00Mar20 06:19:00 - 00Mar20 06:23:00

Form #: Other # of Ants: 1.00 Downtime: 4.00  
Antenna(s) 4 - FOC ROT (Focus Rotation Mount and  
Controls) Problem(s); The subreflector drove in the wrong direction  
in the focus axis at a source change. The Operator sent additions  
commands via Overlays to positioning the focus at the requested  
setting. Observing Data: Corrupted

00Mar20 06:56:39

\*\*\*\* Sam Gilmore is your operator. \*\*\*\*

00Mar20 06:57:40

Ran a backup on the Modcomp partition where observe files are kept.

00Mar20 08:58:13 - 00Mar20 09:18:22

Form #: Other # of Ants: 1.00 Downtime: 20.15  
Antenna(s) 18 - FRONT END (Front end) Problem(s); A - TSYS  
> 4 times nominal Observing Data: Corrupted. The synchronous detector  
voltage is too low. Indicates loss of bright sky or bad noise calibration.

00Mar20 09:18:22

End of program AK514. Total Downtime = 338.5 minutes (3.0% of total time).