## **VLA OBSERVING LOG**

## 2017-07-27\_0253\_17A-240

**Observing Date:** 27-Jul-2017

**Configuration:** C **Decommissioned:** 15

| Project:         | 17A-240                | # Subarrays: 1 | Observation Type: | Science |
|------------------|------------------------|----------------|-------------------|---------|
| Observer(PI):    | Dr John M. Cannon      |                | Band(s) Used:     | L       |
| SBID(s):         | 33801214               |                |                   |         |
| Source File(s):  | 17A-240_sb33801214_1_1 |                |                   |         |
| Observer E-mail: | jcannon@macalester.edu |                |                   |         |
| Operator(s):     | Kenneth Gibson         |                |                   |         |

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 is available from the online archive at: https://archive.nrao.edu

| Time (UTC)    | Dew Point (C) | Temp. (C) | Wind Speed &<br>Direction (avg) |       | API RMS<br>Phase (degs) |               | Remarks            |                |
|---------------|---------------|-----------|---------------------------------|-------|-------------------------|---------------|--------------------|----------------|
| 27Jul 2:55:59 | 12.4          | 19.8      | SW at 3.1 m/s                   | 792.5 | 4.6                     | Sky overcast. | Cumuliform clouds. | Thunderstorms. |
|               |               |           |                                 |       |                         |               |                    |                |
|               |               |           |                                 |       |                         |               |                    |                |
|               |               |           |                                 |       |                         |               |                    |                |
|               |               |           |                                 |       |                         |               |                    |                |
|               |               |           |                                 |       |                         |               |                    |                |
|               |               |           |                                 |       |                         |               |                    |                |

Number of antennas used: 27

| Start Time    | End Time | Comments/Outages   | Form # | #Ants | Down Time<br>(in minutes) |
|---------------|----------|--|--------|-------|---------------------------|
| 27Jul 2:53:32 |          | Starting project 17A-240.  |        |       |                           |
| 27Jul 2:53:32 |          | The band(s) used is(are): L.   |        |       |                           |
| 27Jul 2:53:33 |          | On source 1331+305=3C286 with all available antennas.                            |        |       |                           |
| 27Jul 2:53:32 |          | Antenna(s):11  |        |       |                           |
|               |          | have recently updated baseline parameters to correct for errors resulting from   |        |       |                           |
|               |          | their recent relocation. Please check for any significant errors and submit      |        |       |                           |
|               |          | them to the NRAO Helpdesk (https://science.nrao.edu/observing/helpdesk)          |        |       |                           |
|               |          | under the VLA Observing department.  |        |       |                           |
| 27Jul 2:53:32 |          | To access your data from the NRAO archive visit:                                 |        |       |                           |
|               |          | https://science.nrao.edu/facilities/vla/archive.                                 |        |       |                           |
|               |          | All VLA science data are processed through the VLA calibration pipeline. Details |        |       |                           |
|               |          | are at: https://science.nrao.edu/facilities/vla/data-processing/pipeline.        |        |       |                           |
|               |          | For further questions please use the NRAO helpdesk at:                           |        |       |                           |
|               |          | https://science.nrao.edu/observing/helpdesk.                                     |        |       |                           |
| 27Jul 2:53:32 | •        | Note: To support our ongoing RFI monitoring efforts, any feedback from your      |        |       |                           |

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|                            |               |  | x 27 ants.)<br>2423.7    | Total Time 3.7% |      | 89.8            |
|----------------------------|---------------|--|--------------------------|-----------------|------|-----------------|
| Project End Time           |               | Tot  | al Project Time (minutes | Down Time       |      | Total Down Time |
|                            |               |  |                          |                 |      |                 |
|                            |               |  |                          |                 |      |                 |
|                            |               |  |                          |                 |      |                 |
|                            |               |  |                          |                 |      |                 |
|                            |               |  |                          |                 |      |                 |
|                            |               |  |                          |                 |      |                 |
|                            |               |  |                          |                 |      |                 |
|                            |               |  |                          |                 |      |                 |
|                            |               |  |                          |                 |      |                 |
|                            |               |  |                          |                 |      |                 |
|                            |               |  |                          |                 |      |                 |
|                            |               |  |                          |                 |      |                 |
|                            |               |  |                          |                 |      |                 |
|                            |               |  |                          |                 |      |                 |
|                            |               |  |                          |                 |      |                 |
|                            |               | L-band receiver cooling after replacement, currently at 42k                                      | <u> </u>                 |                 |      |                 |
| 27Jul 2:53:32 27Jul 4:23:1 | 27Jul 4:23:18 | Antenna(s) 3 (Data: Corrupted):  | FRONT END                | PM              | 1.00 | 89.8            |
|                            |               | https://science.nrao.edu/facilities/vla/docs/manuals/obsgu                                       |                          |                 |      |                 |
|                            |               | updated on the EVLA science pages at:  |                          |                 |      |                 |
|                            |               | Thanks very much for your support; this information will be                                      |                          |                 |      |                 |
|                            |               | <ul><li>intermittent?</li><li>If possible, a spectrum of the RFI should be included in</li></ul> | the e-mail               |                 |      |                 |
|                            |               | - The characteristics of the RFI signal, in particular if it is                                  | continuous or            |                 |      |                 |
|                            |               |  |                          |                 |      |                 |
|                            |               | - Observation/project code   |                          |                 |      |                 |
|                            |               | The key information to provide is:   |                          |                 |      |                 |
|                            |               | - Observation/project code - Frequency and Time of the observations                              |                          |                 |      |                 |