

# Observing Plan for DE601 Effelsberg

## GLOW LOFAR Observing

### 2014-08-01 through 2014-08-31

| Date       |    | CEST |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Code Markers |  |
|------------|----|------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------|--|
|            |    | 0    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0            |  |
| 2014-08-01 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-02 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-03 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-04 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-05 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-06 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-07 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-08 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-09 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-10 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-11 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-12 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-13 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-14 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-15 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-16 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-17 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-18 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-19 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-20 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-21 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-22 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-23 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-24 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-25 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-26 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-27 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-28 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-29 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-30 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-31 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |

| UTC | 22 | 23 | 0 | 1 | 2       | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19     | 20 | 21 | 22 |  |
|-----|----|----|---|---|---------|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|--------|----|----|----|--|
| LST |    |    | 0 |   | Sunrise |   | 6 |   |   |   |   |   |    |    |    | 12 |    |    |    |    |    | Sunset | 18 |    |    |  |

#### Normal Experiment Code Markers

0 ELM2014-000 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

|                           |                          |                   |                           |
|---------------------------|--------------------------|-------------------|---------------------------|
| Science A (Astrometry)    | Science O (Other)        | ILT Mode          | Piggyback Without Control |
| Science C (Cosmology)     | Science P (Pulsar)       | Effelsberg Mode   | Experiment Warning        |
| Science E (Extragalactic) | Science R (Cosmic Rays)  | GLOW Mode         | Override Possible         |
| Science G (Galactic)      | Science S (Solar System) | Juelich Mode      |                           |
| Science H (Ionosphere)    | Test Observation         | Station Failure   |                           |
| Science N (AGN)           | Maintenance Mode         | Piggyback Control |                           |

## Normal Experiment Code Markers

0 ELM2014-000 Kuniyoshi, Horneff

## Other Code Markers

## Color Meanings

|                           |                          |                   |                           |
|---------------------------|--------------------------|-------------------|---------------------------|
| Science A (Astrometry)    | Science O (Other)        | ILT Mode          | Piggyback Without Control |
| Science C (Cosmology)     | Science P (Pulsar)       | Effelsberg Mode   | Experiment Warning        |
| Science E (Extragalactic) | Science R (Cosmic Rays)  | GLOW Mode         | Override Possible         |
| Science G (Galactic)      | Science S (Solar System) | Juelich Mode      |                           |
| Science H (Ionosphere)    | Test Observation         | Station Failure   |                           |
| Science N (AGN)           | Maintenance Mode         | Piggyback Control |                           |

# Observing Plan for DE603 Tautenburg

## GLOW LOFAR Observing

### 2014-08-01 through 2014-08-31

| Date       |    | CEST |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Code Markers |  |
|------------|----|------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------|--|
|            |    | 0    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0            |  |
| 2014-08-01 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-02 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-03 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-04 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-05 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-06 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-07 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-08 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-09 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-10 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-11 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-12 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-13 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-14 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-15 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-16 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-17 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-18 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-19 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-20 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-21 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-22 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-23 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-24 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-25 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-26 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-27 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-28 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-29 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-30 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-31 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |

| UTC | 22 | 23 | 0 | 1 | 2 | 3       | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19     | 20 | 21 | 22 |  |
|-----|----|----|---|---|---|---------|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|--------|----|----|----|--|
| LST |    |    | 0 |   |   | Sunrise |   | 6 |   |   |   |   |    |    |    | 12 |    |    |    |    |    | Sunset | 18 |    |    |  |

#### Normal Experiment Code Markers

0 ELM2014-000 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

|                           |                          |                   |                           |
|---------------------------|--------------------------|-------------------|---------------------------|
| Science A (Astrometry)    | Science O (Other)        | ILT Mode          | Piggyback Without Control |
| Science C (Cosmology)     | Science P (Pulsar)       | Effelsberg Mode   | Experiment Warning        |
| Science E (Extragalactic) | Science R (Cosmic Rays)  | GLOW Mode         | Override Possible         |
| Science G (Galactic)      | Science S (Solar System) | Juelich Mode      |                           |
| Science H (Ionosphere)    | Test Observation         | Station Failure   |                           |
| Science N (AGN)           | Maintenance Mode         | Piggyback Control |                           |

# Observing Plan for DE604 Potsdam

## GLOW LOFAR Observing

### 2014-08-01 through 2014-08-31

| Date       |    | CEST |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Code Markers |  |
|------------|----|------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------|--|
|            |    | 0    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0            |  |
| 2014-08-01 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-02 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-03 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-04 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-05 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-06 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-07 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-08 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-09 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-10 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-11 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-12 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-13 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-14 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-15 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-16 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-17 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-18 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-19 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-20 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-21 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-22 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-23 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-24 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-25 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-26 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-27 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-28 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-29 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-30 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-31 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |

| UTC | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |  |
|-----|----|----|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| LST | 0  |    |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |  |

#### Normal Experiment Code Markers

0 ELM2014-000 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

|                           |                          |                   |                           |
|---------------------------|--------------------------|-------------------|---------------------------|
| Science A (Astrometry)    | Science O (Other)        | ILT Mode          | Piggyback Without Control |
| Science C (Cosmology)     | Science P (Pulsar)       | Effelsberg Mode   | Experiment Warning        |
| Science E (Extragalactic) | Science R (Cosmic Rays)  | GLOW Mode         | Override Possible         |
| Science G (Galactic)      | Science S (Solar System) | Juelich Mode      |                           |
| Science H (Ionosphere)    | Test Observation         | Station Failure   |                           |
| Science N (AGN)           | Maintenance Mode         | Piggyback Control |                           |

# Observing Plan for DE605 Juelich

## GLOW LOFAR Observing

### 2014-08-01 through 2014-08-31

| Date       |    | CEST |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Code Markers |  |
|------------|----|------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------|--|
|            |    | 0    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0            |  |
| 2014-08-01 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-02 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-03 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-04 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-05 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-06 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-07 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-08 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-09 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-10 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-11 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-12 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-13 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-14 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-15 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-16 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-17 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-18 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-19 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-20 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-21 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-22 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-23 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-24 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-25 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-26 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-27 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-28 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-29 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-30 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-31 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |

| UTC | 22 | 23 | 0 | 1 | 2 | 3       | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19     | 20 | 21 | 22 |  |  |
|-----|----|----|---|---|---|---------|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|--------|----|----|----|--|--|
| LST |    |    | 0 |   |   | Sunrise |   | 6 |   |   |   |   |    |    |    | 12 |    |    |    |    |    | Sunset | 18 |    |    |  |  |

#### Normal Experiment Code Markers

0 ELM2014-000 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

|                           |                          |                   |                           |
|---------------------------|--------------------------|-------------------|---------------------------|
| Science A (Astrometry)    | Science O (Other)        | ILT Mode          | Piggyback Without Control |
| Science C (Cosmology)     | Science P (Pulsar)       | Effelsberg Mode   | Experiment Warning        |
| Science E (Extragalactic) | Science R (Cosmic Rays)  | GLOW Mode         | Override Possible         |
| Science G (Galactic)      | Science S (Solar System) | Juelich Mode      |                           |
| Science H (Ionosphere)    | Test Observation         | Station Failure   |                           |
| Science N (AGN)           | Maintenance Mode         | Piggyback Control |                           |

Version: draft  
 Creation Date: 2014-08-13T08:50:34.510430Z  
 Operator Telephone: +49 2257 301 155  
 Web Page: [https://deki.mpifr-bonn.mpg.de/Collaborations/LOFAR/Effelsberg\\_LOFAR\\_Schedule](https://deki.mpifr-bonn.mpg.de/Collaborations/LOFAR/Effelsberg_LOFAR_Schedule)

# Observing Plan for IofarAN Computers

## GLOW LOFAR Observing

### 2014-08-01 through 2014-08-31

Please address requests for observing time to:  
 <glow-lofar-scheduling@lists.mpifr-bonn.mpg.de>

| Date       |    | CEST |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Code Markers |  |
|------------|----|------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------|--|
|            |    | 0    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0            |  |
| 2014-08-01 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-02 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-03 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-04 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-05 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-06 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-07 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-08 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-09 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-10 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-11 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-12 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-13 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-14 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-15 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-16 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-17 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-18 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-19 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-20 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-21 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-22 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-23 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-24 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-25 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-26 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-27 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-28 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-29 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-30 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-31 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |

| UTC | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |  |
|-----|----|----|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| LST | 0  |    |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |  |

Normal Experiment Code Markers

Other Code Markers

Color Meanings

|                           |                          |                   |                           |
|---------------------------|--------------------------|-------------------|---------------------------|
| Science A (Astrometry)    | Science O (Other)        | ILT Mode          | Piggyback Without Control |
| Science C (Cosmology)     | Science P (Pulsar)       | Effelsberg Mode   | Experiment Warning        |
| Science E (Extragalactic) | Science R (Cosmic Rays)  | GLOW Mode         | Override Possible         |
| Science G (Galactic)      | Science S (Solar System) | Juelich Mode      |                           |
| Science H (Ionosphere)    | Test Observation         | Station Failure   |                           |
| Science N (AGN)           | Maintenance Mode         | Piggyback Control |                           |

Version: draft  
 Creation Date: 2014-08-13T08:50:34.542178Z  
 Operator Telephone: +49 2257 301 155  
 Web Page: [https://deki.mpifr-bonn.mpg.de/Collaborations/LOFAR/Effelsberg\\_LOFAR\\_Schedule](https://deki.mpifr-bonn.mpg.de/Collaborations/LOFAR/Effelsberg_LOFAR_Schedule)

# Observing Plan for IofarBN Computers

## GLOW LOFAR Observing

### 2014-08-01 through 2014-08-31

Please address requests for observing time to:  
 <glow-lofar-scheduling@lists.mpifr-bonn.mpg.de>

| Date       |    | CEST |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    | Code Markers |  |
|------------|----|------|---|---|---|---|---|---|---|---|---|----|---------------------------------|----|----|----|----|---------------------------------|---------------------------------|----|----|----|----|----|----|--------------|--|
|            |    | 0    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11                              | 12 | 13 | 14 | 15 | 16                              | 17                              | 18 | 19 | 20 | 21 | 22 | 23 | 0            |  |
| 2014-08-01 | Fr |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    | ELP2014-000A Verbiest, Osłowski |                                 |    |    |    |    |    |    |              |  |
| 2014-08-02 | Sa |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-03 | Su |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-04 | Mo |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-05 | Tu |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-06 | We |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-07 | Th |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-08 | Fr |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 | ELP2014-000A Verbiest, Osłowski |    |    |    |    |    |    |              |  |
| 2014-08-09 | Sa |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-10 | Su |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-11 | Mo |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-12 | Tu |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-13 | We |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-14 | Th |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-15 | Fr |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    | ELP2014-000A Verbiest, Osłowski |                                 |    |    |    |    |    |    |              |  |
| 2014-08-16 | Sa |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-17 | Su |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-18 | Mo |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-19 | Tu |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-20 | We |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-21 | Th |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-22 | Fr |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    | ELP2014-000A Verbiest, Osłowski |                                 |    |    |    |    |    |    |              |  |
| 2014-08-23 | Sa |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-24 | Su |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-25 | Mo |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-26 | Tu |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-27 | We |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-28 | Th |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-29 | Fr |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-30 | Sa |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-31 | Su |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |

| UTC | 22 | 23 | 0 | 1 | 2 | 3       | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19     | 20 | 21 | 22 |  |  |
|-----|----|----|---|---|---|---------|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|--------|----|----|----|--|--|
| LST |    |    | 0 |   |   | Sunrise |   | 6 |   |   |   |   |    |    |    | 12 |    |    |    |    |    | Sunset | 18 |    |    |  |  |

Normal Experiment Code Markers

Other Code Markers

Color Meanings

|                           |                          |                   |                           |
|---------------------------|--------------------------|-------------------|---------------------------|
| Science A (Astrometry)    | Science O (Other)        | ILT Mode          | Piggyback Without Control |
| Science C (Cosmology)     | Science P (Pulsar)       | Effelsberg Mode   | Experiment Warning        |
| Science E (Extragalactic) | Science R (Cosmic Rays)  | GLOW Mode         | Override Possible         |
| Science G (Galactic)      | Science S (Solar System) | Juelich Mode      |                           |
| Science H (Ionosphere)    | Test Observation         | Station Failure   |                           |
| Science N (AGN)           | Maintenance Mode         | Piggyback Control |                           |

Version: draft  
 Creation Date: 2014-08-13T08:50:34.573866Z  
 Operator Telephone: +49 2257 301 155  
 Web Page: [https://deki.mpifr-bonn.mpg.de/Collaborations/LOFAR/Effelsberg\\_LOFAR\\_Schedule](https://deki.mpifr-bonn.mpg.de/Collaborations/LOFAR/Effelsberg_LOFAR_Schedule)

# Observing Plan for IofarCN Computers

## GLOW LOFAR Observing

### 2014-08-01 through 2014-08-31

Please address requests for observing time to:  
 <glow-lofar-scheduling@lists.mpifr-bonn.mpg.de>

| Date       |    | CEST |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    | Code Markers |  |
|------------|----|------|---|---|---|---|---|---|---|---|---|----|---------------------------------|----|----|----|----|---------------------------------|---------------------------------|----|----|----|----|----|----|--------------|--|
|            |    | 0    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11                              | 12 | 13 | 14 | 15 | 16                              | 17                              | 18 | 19 | 20 | 21 | 22 | 23 | 0            |  |
| 2014-08-01 | Fr |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    | ELP2014-000A Verbiest, Osłowski |                                 |    |    |    |    |    |    |              |  |
| 2014-08-02 | Sa |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-03 | Su |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-04 | Mo |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-05 | Tu |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-06 | We |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-07 | Th |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-08 | Fr |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 | ELP2014-000A Verbiest, Osłowski |    |    |    |    |    |    |              |  |
| 2014-08-09 | Sa |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-10 | Su |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-11 | Mo |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-12 | Tu |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-13 | We |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-14 | Th |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-15 | Fr |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 | ELP2014-000A Verbiest, Osłowski |    |    |    |    |    |    |              |  |
| 2014-08-16 | Sa |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-17 | Su |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-18 | Mo |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-19 | Tu |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-20 | We |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-21 | Th |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-22 | Fr |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 | ELP2014-000A Verbiest, Osłowski |    |    |    |    |    |    |              |  |
| 2014-08-23 | Sa |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-24 | Su |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-25 | Mo |      |   |   |   |   |   |   |   |   |   |    | ELP2014-000A Verbiest, Osłowski |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-26 | Tu |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-27 | We |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-28 | Th |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-29 | Fr |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-30 | Sa |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |
| 2014-08-31 | Su |      |   |   |   |   |   |   |   |   |   |    |                                 |    |    |    |    |                                 |                                 |    |    |    |    |    |    |              |  |

| UTC | 22 | 23 | 0 | 1 | 2 | 3       | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19     | 20 | 21 | 22 |  |  |
|-----|----|----|---|---|---|---------|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|--------|----|----|----|--|--|
| LST |    |    | 0 |   |   | Sunrise |   | 6 |   |   |   |   |    |    |    | 12 |    |    |    |    |    | Sunset | 18 |    |    |  |  |

#### Normal Experiment Code Markers

#### Other Code Markers

#### Color Meanings

|                           |                          |                   |                           |
|---------------------------|--------------------------|-------------------|---------------------------|
| Science A (Astrometry)    | Science O (Other)        | ILT Mode          | Piggyback Without Control |
| Science C (Cosmology)     | Science P (Pulsar)       | Effelsberg Mode   | Experiment Warning        |
| Science E (Extragalactic) | Science R (Cosmic Rays)  | GLOW Mode         | Override Possible         |
| Science G (Galactic)      | Science S (Solar System) | Juelich Mode      |                           |
| Science H (Ionosphere)    | Test Observation         | Station Failure   |                           |
| Science N (AGN)           | Maintenance Mode         | Piggyback Control |                           |

Version: draft  
 Creation Date: 2014-08-13T08:50:34.605333Z  
 Operator Telephone: +49 2257 301 155  
 Web Page: [https://deki.mpifr-bonn.mpg.de/Collaborations/LOFAR/Effelsberg\\_LOFAR\\_Schedule](https://deki.mpifr-bonn.mpg.de/Collaborations/LOFAR/Effelsberg_LOFAR_Schedule)

# Observing Plan for lofarsrv Computer

## GLOW LOFAR Observing

### 2014-08-01 through 2014-08-31

Please address requests for observing time to:  
 <glow-lofar-scheduling@lists.mpifr-bonn.mpg.de>

| Date       |    | CEST |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Code Markers |  |
|------------|----|------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------|--|
|            |    | 0    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0            |  |
| 2014-08-01 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-02 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-03 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-04 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-05 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-06 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-07 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-08 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-09 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-10 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-11 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-12 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-13 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-14 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-15 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-16 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-17 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-18 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-19 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-20 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-21 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-22 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-23 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-24 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-25 | Mo |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-26 | Tu |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-27 | We |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-28 | Th |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-29 | Fr |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-30 | Sa |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-31 | Su |      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |              |  |

| UTC | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |  |
|-----|----|----|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| LST | 0  |    |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |  |

Normal Experiment Code Markers

Other Code Markers

Color Meanings

|                           |                          |                   |                           |
|---------------------------|--------------------------|-------------------|---------------------------|
| Science A (Astrometry)    | Science O (Other)        | ILT Mode          | Piggyback Without Control |
| Science C (Cosmology)     | Science P (Pulsar)       | Effelsberg Mode   | Experiment Warning        |
| Science E (Extragalactic) | Science R (Cosmic Rays)  | GLOW Mode         | Override Possible         |
| Science G (Galactic)      | Science S (Solar System) | Juelich Mode      |                           |
| Science H (Ionosphere)    | Test Observation         | Station Failure   |                           |
| Science N (AGN)           | Maintenance Mode         | Piggyback Control |                           |

Version: draft  
 Creation Date: 2014-08-13T08:50:34.636968Z  
 Operator Telephone: +49 2257 301 155  
 Web Page: [https://deki.mpifr-bonn.mpg.de/Collaborations/LOFAR/Effelsberg\\_LOFAR\\_Schedule](https://deki.mpifr-bonn.mpg.de/Collaborations/LOFAR/Effelsberg_LOFAR_Schedule)

# Observing Plan for Operator On-Duty

## GLOW LOFAR Observing

### 2014-08-01 through 2014-08-31

Please address requests for observing time to:  
 <glow-lofar-scheduling@lists.mpifr-bonn.mpg.de>

| Date       |    | CEST |   |   |   |   |   |   |   |   |   |    |                       |    |    |    |    |    |    |    |    |    |    |    |    | Code Markers |  |
|------------|----|------|---|---|---|---|---|---|---|---|---|----|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|--------------|--|
|            |    | 0    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11                    | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 0            |  |
| 2014-08-01 | Fr |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-02 | Sa |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-03 | Su |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-04 | Mo |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-05 | Tu |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-06 | We |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-07 | Th |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-08 | Fr |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-09 | Sa |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-10 | Su |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-11 | Mo |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-12 | Tu |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-13 | We |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-14 | Th |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-15 | Fr |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-16 | Sa |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-17 | Su |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-18 | Mo |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-19 | Tu |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-20 | We |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-21 | Th |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-22 | Fr |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-23 | Sa |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-24 | Su |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-25 | Mo |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-26 | Tu |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-27 | We |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-28 | Th |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-29 | Fr |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-30 | Sa |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |
| 2014-08-31 | Su |      |   |   |   |   |   |   |   |   |   |    | ELD2014-002 Kuniyoshi |    |    |    |    |    |    |    |    |    |    |    |    |              |  |

| UTC | 22 | 23 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |  |  |
|-----|----|----|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| LST |    |    | 0 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |

Normal Experiment Code Markers

Other Code Markers

Color Meanings

|                |
|----------------|
| 100 m Operator |
| Anderson       |
| Kuniyoshi      |
| Horneffer      |
| Other          |
| Unknown        |

## Experiment Information for Normal Observations

|                    |                                      |                                    |                         |                                                                    |
|--------------------|--------------------------------------|------------------------------------|-------------------------|--------------------------------------------------------------------|
| <b>ELI2014-000</b> | <b>ILT Operations</b>                | <b>observer@astron.nl</b>          | <b>+31 521 595 777</b>  | <b>Main ILT Observations, ILT Operations only on-duty 9--17, M</b> |
| ELI2014-000        | ILT Operations                       | observer@astron.nl                 | +31 521 595 777         | Main ILT Observations, ILT Operations only on-duty 9--17, M        |
| ELI2014-000        | ILT Operations                       | observer@astron.nl                 | +31 521 595 777         | Main ILT Observations, ILT Operations only on-duty 9--17, M        |
| ELI2014-000        | ILT Operations                       | observer@astron.nl                 | +31 521 595 777         | Main ILT Observations, ILT Operations only on-duty 9--17, M        |
| ELI2014-000        | ILT Operations                       | observer@astron.nl                 | +31 521 595 777         | Main ILT Observations, ILT Operations only on-duty 9--17, M        |
| <b>ELM2014-000</b> | <b>Kuniyoshi, Horneffer, Adebahr</b> | <b>lofar-ops@mpifr-bonn.mpg.de</b> | <b>+49 228 525 505</b>  | <b>Handover operations for local to ILT mode (MPIfR time)</b>      |
| ELM2014-000        | Kuniyoshi, Horneffer, Adebahr        | lofar-ops@mpifr-bonn.mpg.de        | +49 228 525 505         | Handover operations for local to ILT mode (MPIfR time)             |
| ELM2014-000        | Kuniyoshi, Horneffer, Adebahr        | lofar-ops@mpifr-bonn.mpg.de        | +49 228 525 505         | Handover operations for local to ILT mode (MPIfR time)             |
| ELM2014-000        | Kuniyoshi, Horneffer, Adebahr        | lofar-ops@mpifr-bonn.mpg.de        | +49 228 525 505         | Handover operations for local to ILT mode (MPIfR time)             |
| ELM2014-000        | Kuniyoshi, Horneffer, Adebahr        | lofar-ops@mpifr-bonn.mpg.de        | +49 228 525 505         | Handover operations for local to ILT mode (MPIfR time)             |
| ELM2014-000        | Kuniyoshi, Horneffer, Adebahr        | lofar-ops@mpifr-bonn.mpg.de        | +49 228 525 505         | Handover operations for local to ILT mode (MPIfR time)             |
| ELM2014-000        | Kuniyoshi, Horneffer, Adebahr        | lofar-ops@mpifr-bonn.mpg.de        | +49 228 525 505         | Handover operations for local to ILT mode (MPIfR time)             |
| ELM2014-000        | Kuniyoshi, Horneffer, Adebahr        | lofar-ops@mpifr-bonn.mpg.de        | +49 228 525 505         | Handover operations for local to ILT mode (MPIfR time)             |
| ELM2014-000        | Kuniyoshi, Horneffer, Adebahr        | lofar-ops@mpifr-bonn.mpg.de        | +49 228 525 505         | Handover operations for local to ILT mode (MPIfR time)             |
| ELM2014-000        | Kuniyoshi, Horneffer, Adebahr        | lofar-ops@mpifr-bonn.mpg.de        | +49 228 525 505         | Handover operations for local to ILT mode (MPIfR time)             |
| <b>ELP2014-000</b> | <b>Verbiest, Oslowski</b>            | <b>joris.verbiest@gmail.com</b>    | <b>+49 521 106 3184</b> | <b>Generig Long Term Pulsar Monitoring</b>                         |
| ELP2014-000 A      | Verbiest, Oslowski                   | joris.verbiest@gmail.com           | +49 521 106 3184        | Generig Long Term Pulsar Monitoring                                |
| ELP2014-000 A      | Verbiest, Oslowski                   | joris.verbiest@gmail.com           | +49 521 106 3184        | Generig Long Term Pulsar Monitoring                                |
| ELP2014-000 A      | Verbiest, Oslowski                   | joris.verbiest@gmail.com           | +49 521 106 3184        | Generig Long Term Pulsar Monitoring                                |
| ELP2014-000 A      | Verbiest, Oslowski                   | joris.verbiest@gmail.com           | +49 521 106 3184        | Generig Long Term Pulsar Monitoring                                |

## **Experiment Information for Other Actions**

## Experiment Information for Operator On-Duty Schedule

|             |           |                            |                 |                   |
|-------------|-----------|----------------------------|-----------------|-------------------|
| ELD2014-002 | Kuniyoshi | mkuniyos@mpifr-bonn.mpg.de | +49 228 525 505 | Project Scheduler |
| ELD2014-002 | Kuniyoshi | mkuniyos@mpifr-bonn.mpg.de | +49 228 525 505 | Project Scheduler |

# Time Usage [hours] for Normal Observations

## Time Usage [hours] for Other Actions

Experiment Code

DE601 DE602 DE603 DE604 DE605 lofarAN lofarBN lofarCN lofarSR duty

## Time Usage [hours] for Operator On-Duty Schedule

# Summary of Time Usage [total=744.00 hours] for GLOW LOFAR Observing

| Experiment Code           | DE601  | DE602  | DE603  | DE604  | DE605  | lofarAN | lofarBN | lofarCN | lofarsr | duty |
|---------------------------|--------|--------|--------|--------|--------|---------|---------|---------|---------|------|
| <b>normal</b>             |        |        |        |        |        |         |         |         |         |      |
| Science A (Astrometry)    |        |        |        |        |        |         |         |         |         |      |
| Science C (Cosmology)     |        |        |        |        |        |         |         |         |         |      |
| Science E (Extragalactic) |        |        |        |        |        |         |         |         |         |      |
| Science G (Galactic)      |        |        |        |        |        |         |         |         |         |      |
| Science H (Ionosphere)    |        |        |        |        |        |         |         |         |         |      |
| Science N (AGN)           |        |        |        |        |        |         |         |         |         |      |
| Science O (Other)         |        |        |        |        |        |         |         |         |         |      |
| Science P (Pulsar)        | 280.00 |        | 280.00 |        | 280.00 |         | 280.00  | 280.00  |         |      |
| Science R (Cosmic Rays)   |        |        |        |        |        |         |         |         |         |      |
| Science S (Solar System)  |        |        |        |        |        |         |         |         |         |      |
| Test Observation          |        |        |        |        |        |         |         |         |         |      |
| Maintenance Mode          | 9.00   | 9.00   | 9.00   | 9.00   | 9.00   |         |         |         |         |      |
| ILT Mode                  | 395.00 | 395.00 | 395.00 | 395.00 | 395.00 |         |         |         |         |      |
| Effelsberg Mode           |        |        |        |        |        |         |         |         |         |      |
| GLOW Mode                 |        |        |        |        |        |         |         |         |         |      |
| Juelich Mode              |        |        |        |        |        |         |         |         |         |      |
| Station Failure           |        |        |        |        |        |         |         |         |         |      |
| Unknown Code              |        |        |        |        |        |         |         |         |         |      |
| Idle                      | 60.00  | 340.00 | 60.00  | 340.00 | 60.00  | 744.00  | 464.00  | 464.00  | 744.00  |      |
| <b>piggy-up</b>           |        |        |        |        |        |         |         |         |         |      |
| Piggyback Control         |        |        |        |        |        |         |         |         |         |      |
| Unknown Code              |        |        |        |        |        |         |         |         |         |      |
| Idle                      | 744.00 | 744.00 | 744.00 | 744.00 | 744.00 | 744.00  | 744.00  | 744.00  | 744.00  |      |
| <b>piggy-down</b>         |        |        |        |        |        |         |         |         |         |      |
| Piggyback Without Control |        |        |        |        |        |         |         |         |         |      |
| Unknown Code              |        |        |        |        |        |         |         |         |         |      |
| Idle                      | 744.00 | 744.00 | 744.00 | 744.00 | 744.00 | 744.00  | 744.00  | 744.00  | 744.00  |      |
| <b>warning</b>            |        |        |        |        |        |         |         |         |         |      |
| Experiment Warning        |        |        |        |        |        |         |         |         |         |      |
| Unknown Code              |        |        |        |        |        |         |         |         |         |      |
| Idle                      | 744.00 | 744.00 | 744.00 | 744.00 | 744.00 | 744.00  | 744.00  | 744.00  | 744.00  |      |
| <b>steal</b>              |        |        |        |        |        |         |         |         |         |      |
| Override Possible         |        |        |        |        |        |         |         |         |         |      |
| Unknown Code              |        |        |        |        |        |         |         |         |         |      |
| Idle                      | 744.00 | 744.00 | 744.00 | 744.00 | 744.00 | 744.00  | 744.00  | 744.00  | 744.00  |      |
| <b>duty</b>               |        |        |        |        |        |         |         |         |         |      |
| 100 m Operator            |        |        |        |        |        |         |         |         |         |      |
| Anderson                  |        |        |        |        |        |         |         |         |         |      |
| Kuniyoshi                 |        |        |        |        |        |         | 744.00  |         |         |      |
| Horneffer                 |        |        |        |        |        |         |         |         |         |      |
| Other                     |        |        |        |        |        |         |         |         |         |      |
| Unknown                   |        |        |        |        |        |         |         |         |         |      |
| Unknown Code              |        |        |        |        |        |         |         |         |         |      |
| Idle                      |        |        |        |        |        |         | 0.00    |         |         |      |

## Summary of Time Usage [total=100.00 %] for GLOW LOFAR Observing

| Experiment Code           | DE601  | DE602  | DE603  | DE604  | DE605  | lofarAN | lofarBN | lofarCN | lofarsr | duty |
|---------------------------|--------|--------|--------|--------|--------|---------|---------|---------|---------|------|
| <b>normal</b>             |        |        |        |        |        |         |         |         |         |      |
| Science A (Astrometry)    |        |        |        |        |        |         |         |         |         |      |
| Science C (Cosmology)     |        |        |        |        |        |         |         |         |         |      |
| Science E (Extragalactic) |        |        |        |        |        |         |         |         |         |      |
| Science G (Galactic)      |        |        |        |        |        |         |         |         |         |      |
| Science H (Ionosphere)    |        |        |        |        |        |         |         |         |         |      |
| Science N (AGN)           |        |        |        |        |        |         |         |         |         |      |
| Science O (Other)         |        |        |        |        |        |         |         |         |         |      |
| Science P (Pulsar)        | 37.63  |        | 37.63  |        | 37.63  |         | 37.63   | 37.63   |         |      |
| Science R (Cosmic Rays)   |        |        |        |        |        |         |         |         |         |      |
| Science S (Solar System)  |        |        |        |        |        |         |         |         |         |      |
| Test Observation          |        |        |        |        |        |         |         |         |         |      |
| Maintenance Mode          | 1.21   | 1.21   | 1.21   | 1.21   | 1.21   |         |         |         |         |      |
| ILT Mode                  | 53.09  | 53.09  | 53.09  | 53.09  | 53.09  |         |         |         |         |      |
| Effelsberg Mode           |        |        |        |        |        |         |         |         |         |      |
| GLOW Mode                 |        |        |        |        |        |         |         |         |         |      |
| Juelich Mode              |        |        |        |        |        |         |         |         |         |      |
| Station Failure           |        |        |        |        |        |         |         |         |         |      |
| Unknown Code              |        |        |        |        |        |         |         |         |         |      |
| Idle                      | 8.06   | 45.70  | 8.06   | 45.70  | 8.06   | 100.00  | 62.37   | 62.37   | 100.00  |      |
| <b>piggy-up</b>           |        |        |        |        |        |         |         |         |         |      |
| Piggyback Control         |        |        |        |        |        |         |         |         |         |      |
| Unknown Code              |        |        |        |        |        |         |         |         |         |      |
| Idle                      | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00  | 100.00  | 100.00  | 100.00  |      |
| <b>piggy-down</b>         |        |        |        |        |        |         |         |         |         |      |
| Piggyback Without Control |        |        |        |        |        |         |         |         |         |      |
| Unknown Code              |        |        |        |        |        |         |         |         |         |      |
| Idle                      | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00  | 100.00  | 100.00  | 100.00  |      |
| <b>warning</b>            |        |        |        |        |        |         |         |         |         |      |
| Experiment Warning        |        |        |        |        |        |         |         |         |         |      |
| Unknown Code              |        |        |        |        |        |         |         |         |         |      |
| Idle                      | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00  | 100.00  | 100.00  | 100.00  |      |
| <b>steal</b>              |        |        |        |        |        |         |         |         |         |      |
| Override Possible         |        |        |        |        |        |         |         |         |         |      |
| Unknown Code              |        |        |        |        |        |         |         |         |         |      |
| Idle                      | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00  | 100.00  | 100.00  | 100.00  |      |
| <b>duty</b>               |        |        |        |        |        |         |         |         |         |      |
| 100 m Operator            |        |        |        |        |        |         |         |         |         |      |
| Anderson                  |        |        |        |        |        |         |         |         |         |      |
| Kuniyoshi                 |        |        |        |        |        |         | 100.00  |         |         |      |
| Horneffer                 |        |        |        |        |        |         |         |         |         |      |
| Other                     |        |        |        |        |        |         |         |         |         |      |
| Unknown                   |        |        |        |        |        |         |         |         |         |      |
| Unknown Code              |        |        |        |        |        |         |         |         |         |      |
| Idle                      |        |        |        |        |        |         | 0.00    |         |         |      |