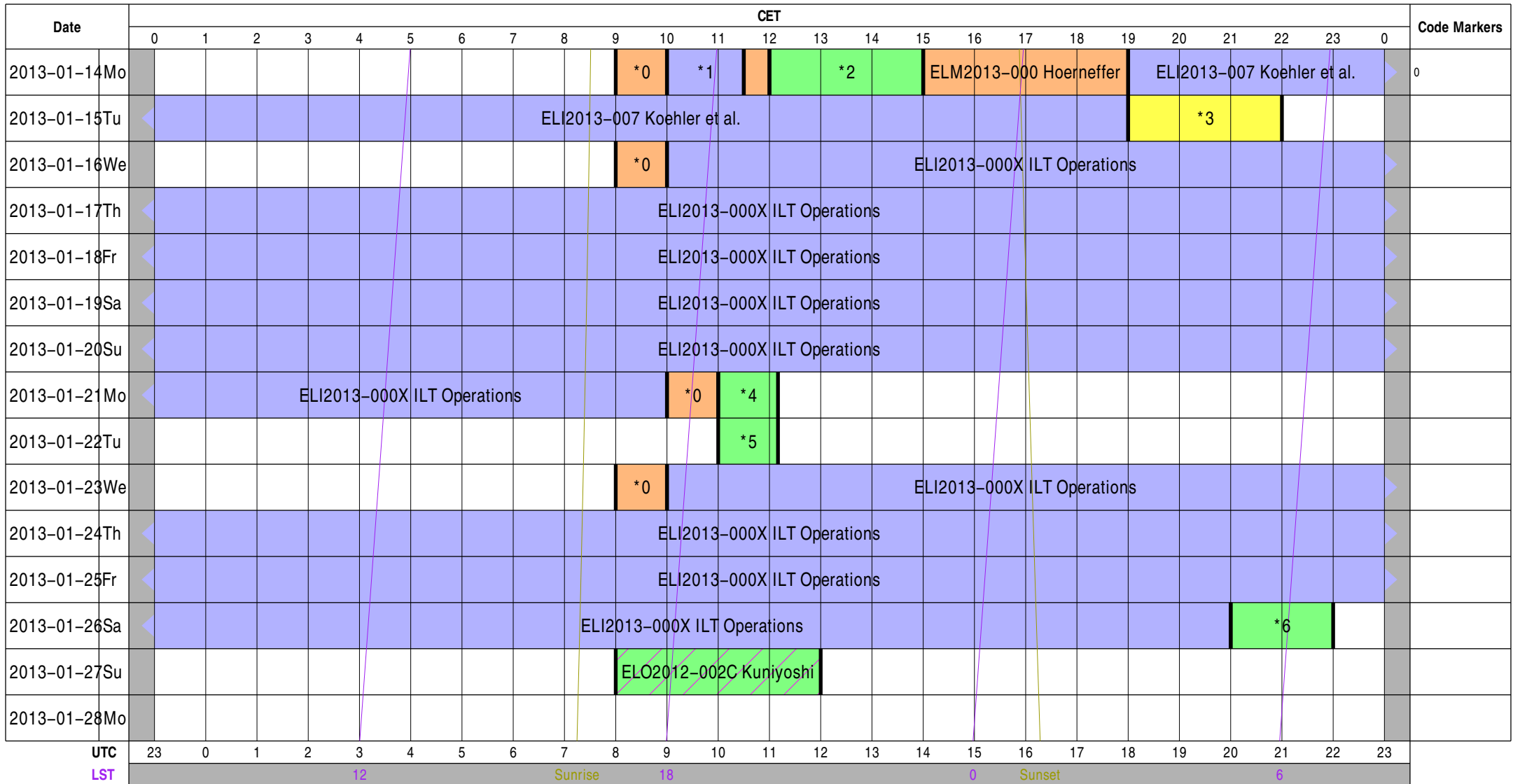


# Observing Plan for Station Control (LCU)

## MPIfR Effelsberg LOFAR Station

### 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



#### Normal Experiment Code Markers

- |                                  |                          |
|----------------------------------|--------------------------|
| 0 ELM2013-012 Kuniyoshi, Horneff | 5 ELO2012-002A Kuniyoshi |
| 1 ELI2013-004 ILT Operations     | 6 ELO2012-002B Kuniyoshi |
| 2 ELP2012-022B Verbiest          |                          |
| 3 ELT2013-002 Wucknitz           |                          |
| 4 ELO2012-002 Kuniyoshi          |                          |

#### Other Code Markers

#### Color Meanings

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

# Observing Plan for Transient Buffer Boards MPIfR Effelsberg LOFAR Station 2013-01-14 through 2013-01-28

Date	CET																								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
2013-01-14 Mo										*0	*1									ELM2013-000 Hoerneffer	ELI2013-007 Koehler et al.				0	
2013-01-15 Tu																					*2					
2013-01-16 We										*0											ELI2013-000X	ILT Operations				
2013-01-17 Th																										
2013-01-18 Fr																										
2013-01-19 Sa																										
2013-01-20 Su																										
2013-01-21 Mo																										
2013-01-22 Tu																										
2013-01-23 We										*0											ELI2013-000X	ILT Operations				
2013-01-24 Th																										
2013-01-25 Fr																										
2013-01-26 Sa																										
2013-01-27 Su																										
2013-01-28 Mo																										

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

### Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELI2013-004 ILT Operations
- 2 ELT2013-002 Wucknitz

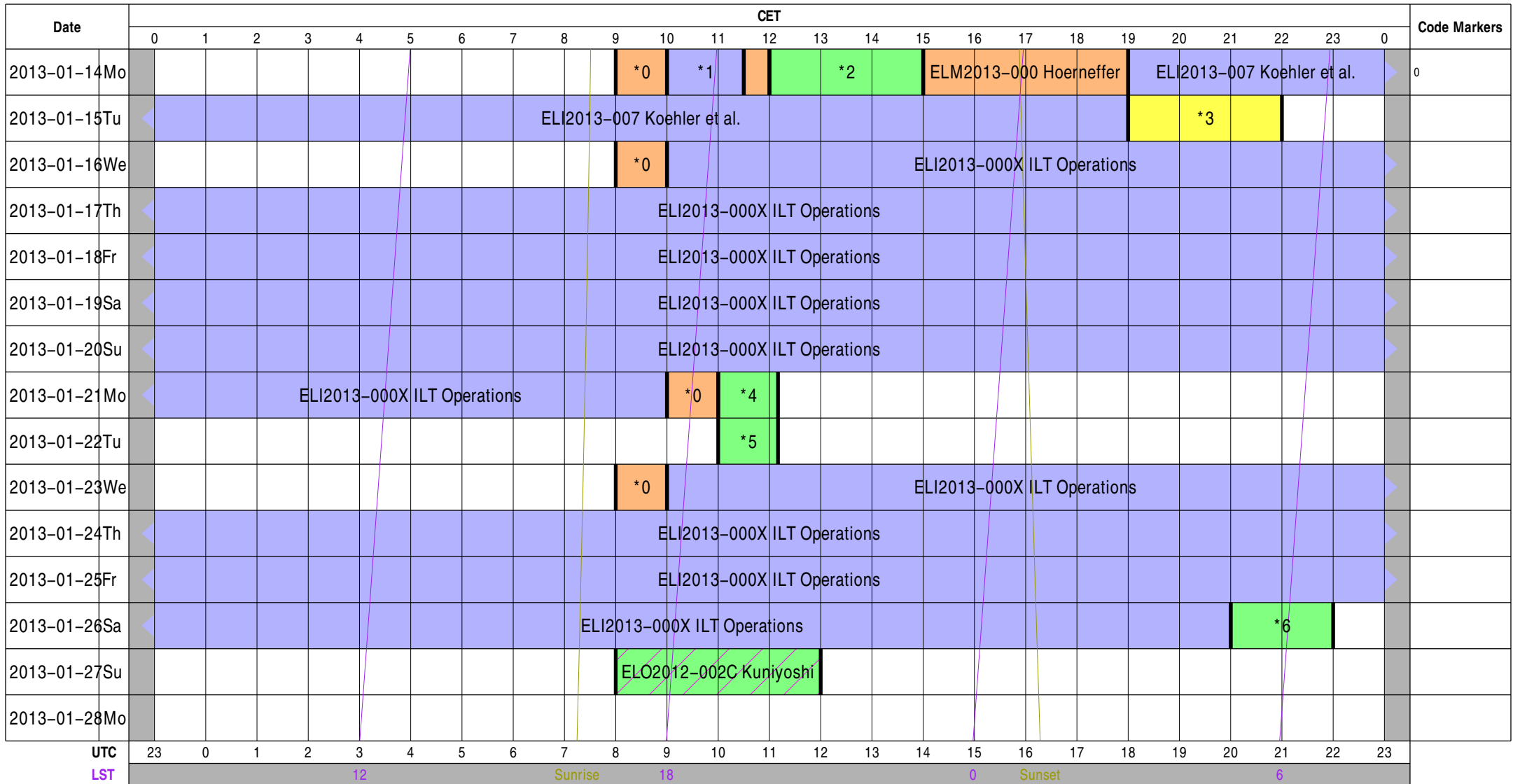
### Other Code Markers

### Color Meanings

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

# Observing Plan for HBA MPIfR Effelsberg LOFAR Station 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



### Normal Experiment Code Markers

- |                                  |                          |
|----------------------------------|--------------------------|
| 0 ELM2013-012 Kuniyoshi, Horneff | 5 ELO2012-002A Kuniyoshi |
| 1 ELI2013-004 ILT Operations     | 6 ELO2012-002B Kuniyoshi |
| 2 ELP2012-022B Verbiest          |                          |
| 3 ELT2013-002 Wucknitz           |                          |
| 4 ELO2012-002 Kuniyoshi          |                          |

### Other Code Markers

### Color Meanings

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

# Observing Plan for Low Band High (LBA) MPIfR Effelsberg LOFAR Station 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."

Date	CET																								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
2013-01-14 Mo										*0	*1															0
2013-01-15 Tu																										
2013-01-16 We										*0																
2013-01-17 Th																										
2013-01-18 Fr																										
2013-01-19 Sa																										
2013-01-20 Su																										
2013-01-21 Mo																										
2013-01-22 Tu																										
2013-01-23 We										*0																
2013-01-24 Th																										
2013-01-25 Fr																										
2013-01-26 Sa																										
2013-01-27 Su																										
2013-01-28 Mo																										
UTC	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
LST					12					Sunrise	18						0	Sunset					6			

### Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELI2013-004 ILT Operations

### Other Code Markers

### Color Meanings

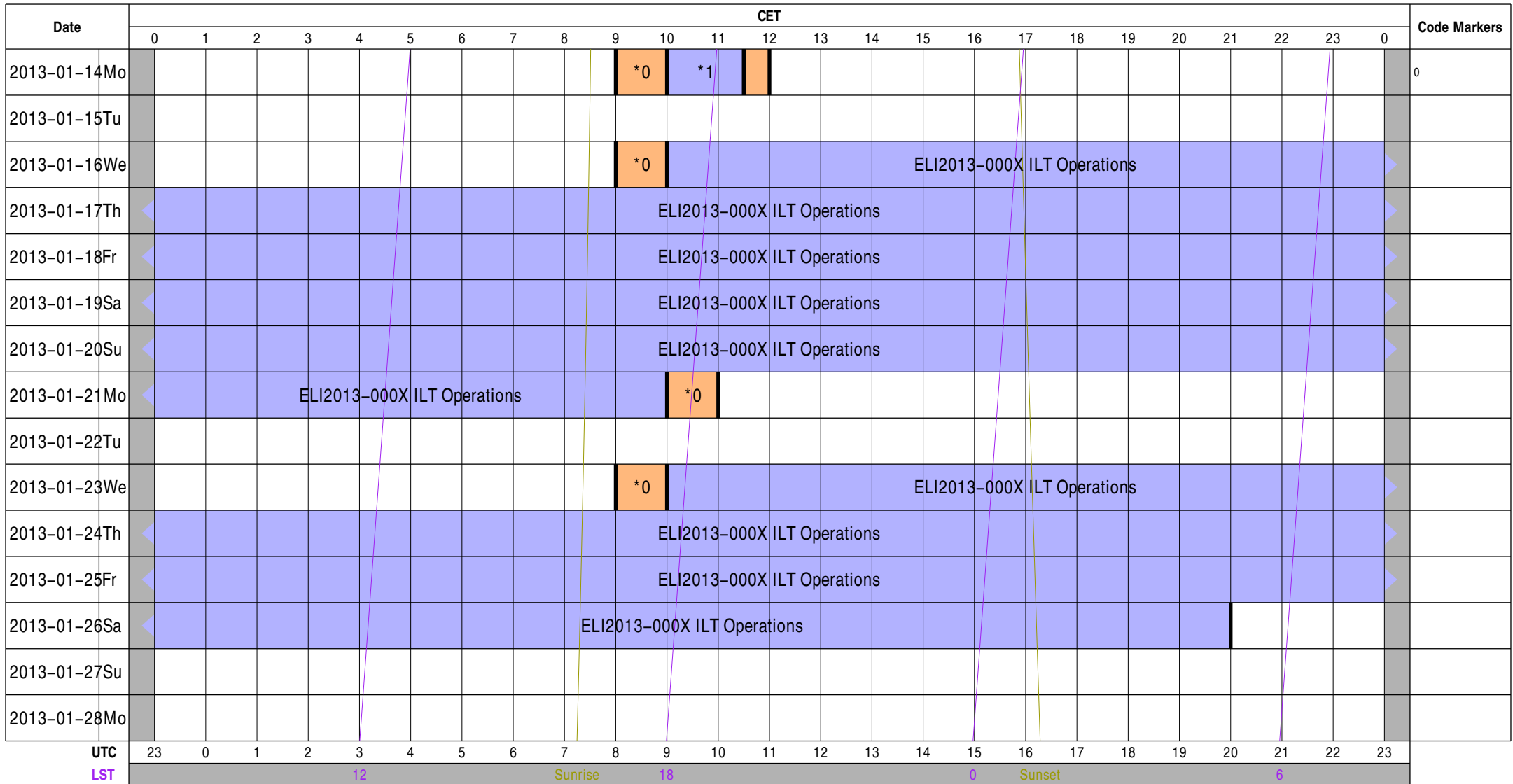
- |                           |                          |                  |                           |
|---------------------------|--------------------------|------------------|---------------------------|
| Science A (Astrometry)    | Science N (AGN)          | Test Observation | Juelich Mode  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

# Observing Plan for Low Band Low, Unused Inputs

## MPIfR Effelsberg LOFAR Station

### 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



#### Normal Experiment Code Markers

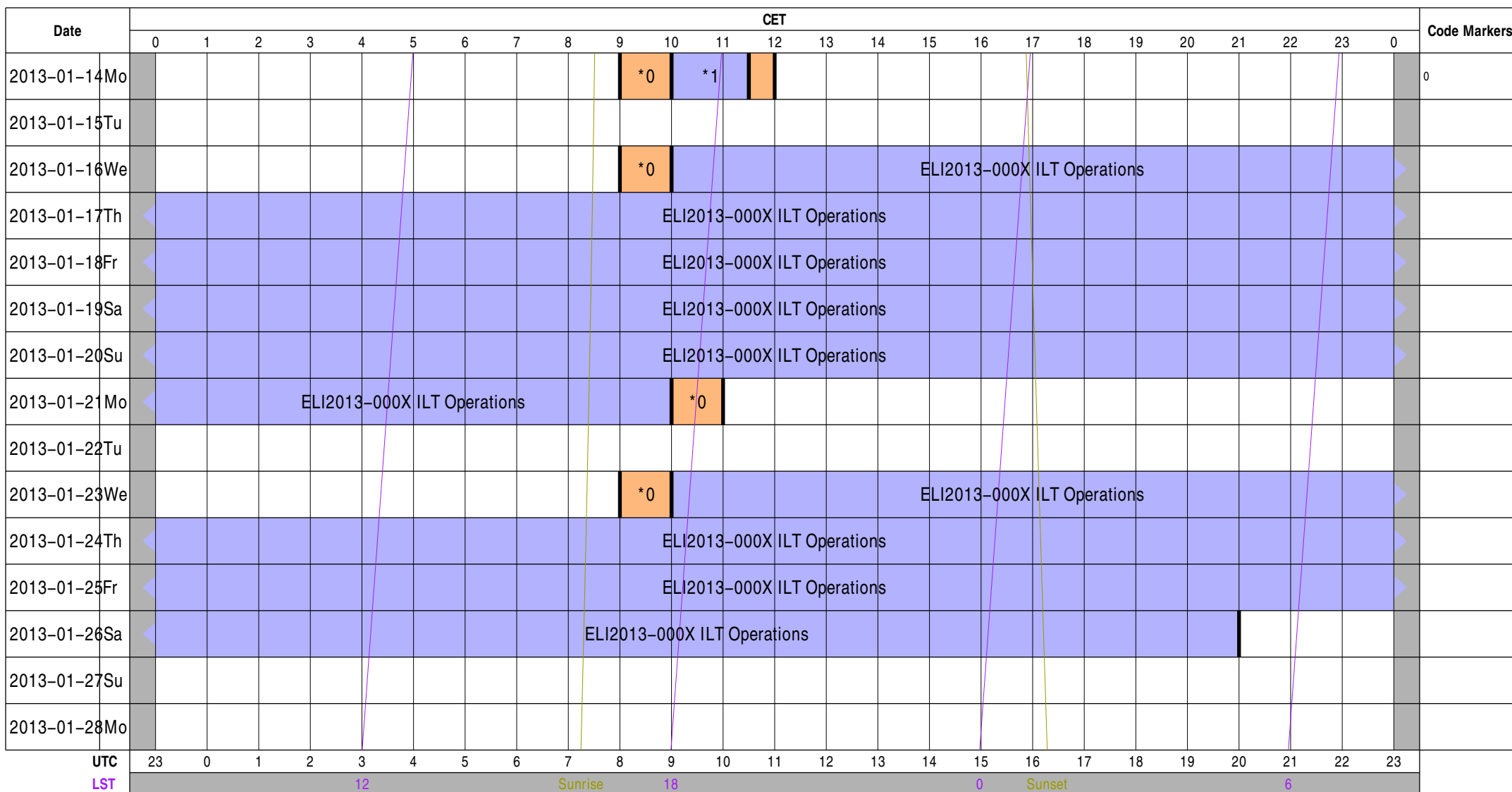
- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELI2013-004 ILT Operations

#### Other Code Markers

#### Color Meanings

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

# Observing Plan for Station Interferometer MPIfR Effelsberg LOFAR Station 2013-01-14 through 2013-01-28



### Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELI2013-004 ILT Operations

### Other Code Markers

### Color Meanings

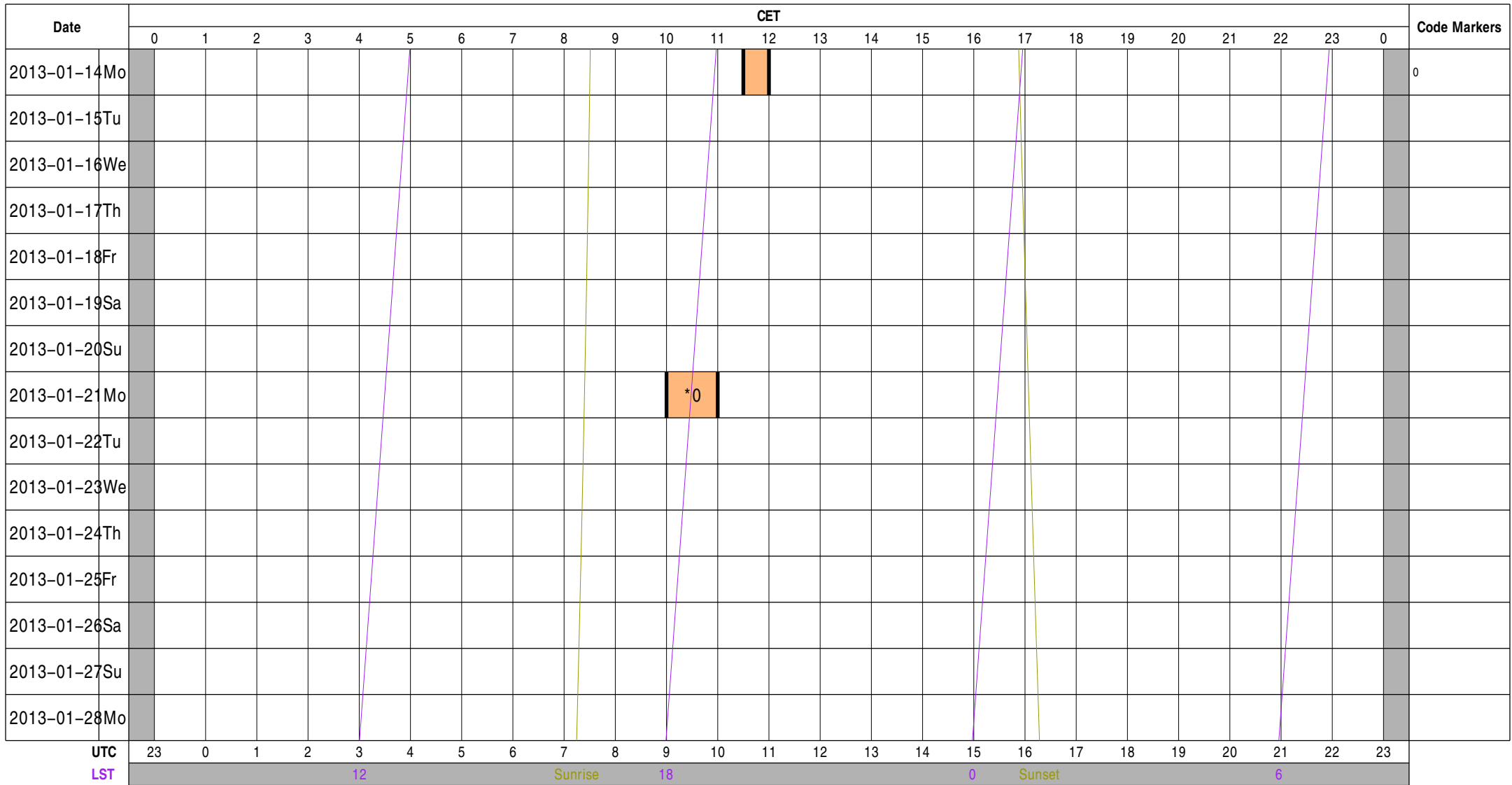
- Science A (Astrometry)
- Science C (Cosmology)
- Science E (Extragalactic)
- Science G (Galactic)
- Science H (Ionosphere)
- Science N (AGN)
- Science O (Other)
- Science P (Pulsar)
- Science R (Cosmic Rays)
- Science S (Solar System)
- Test Observation
- Maintenance Mode
- ILT Mode
- Effelsberg Mode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

# Observing Plan for lofar1 Computer

## MPIfR Effelsberg LOFAR Station

### 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

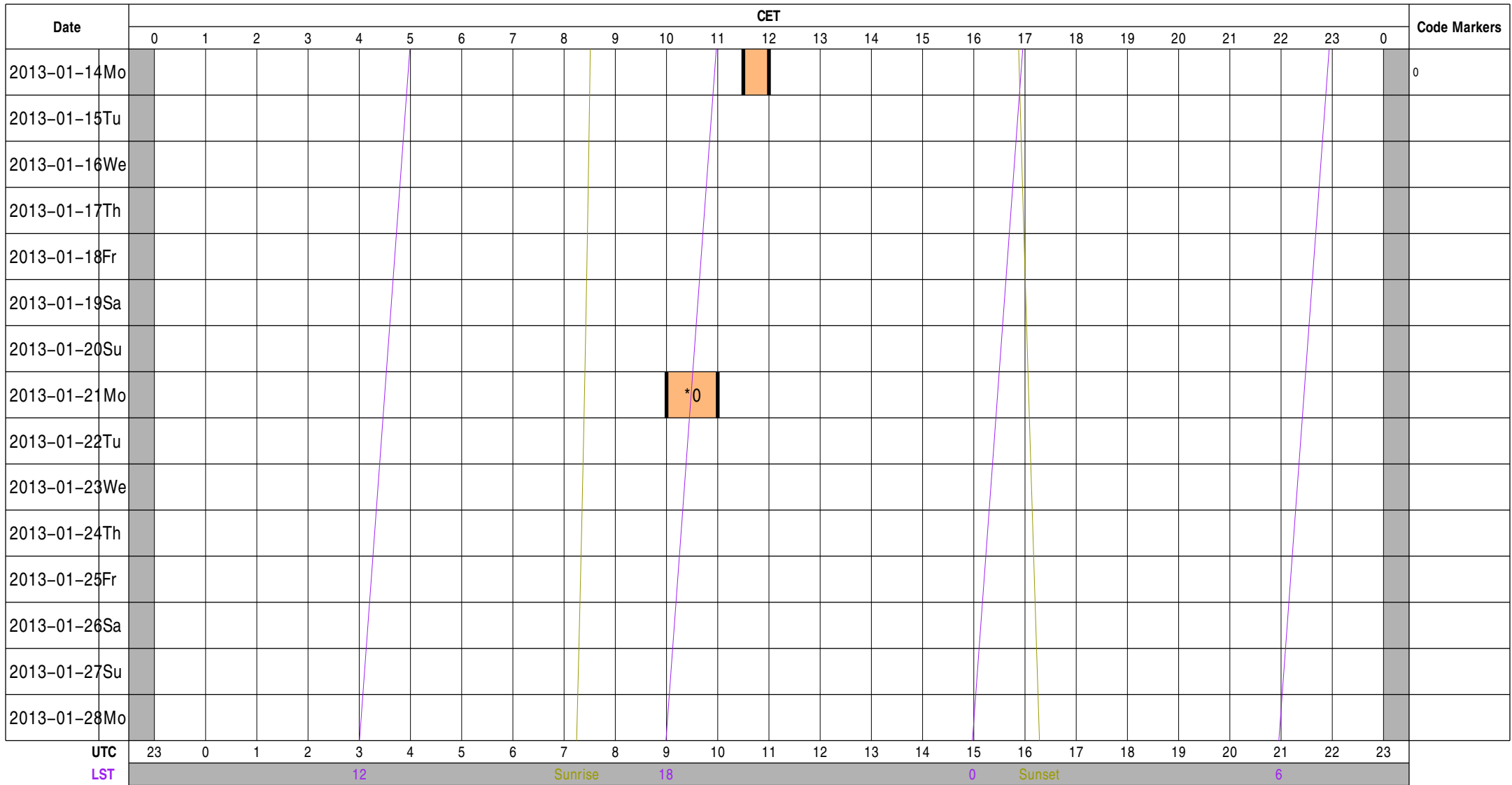
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

# Observing Plan for lofar2 Computer

## MPIfR Effelsberg LOFAR Station

### 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

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

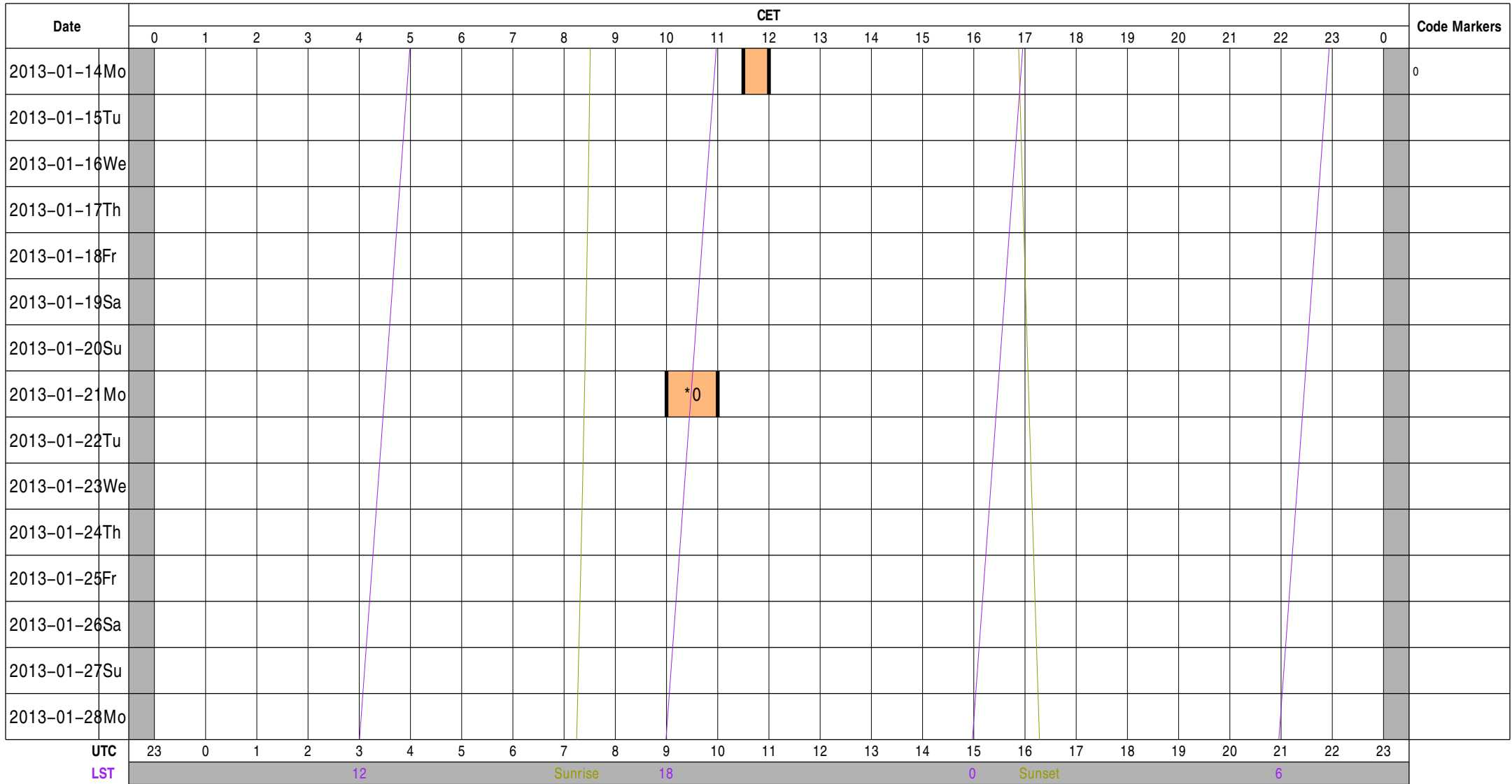


# Observing Plan for lofar3 Computer

## MPIfR Effelsberg LOFAR Station

### 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

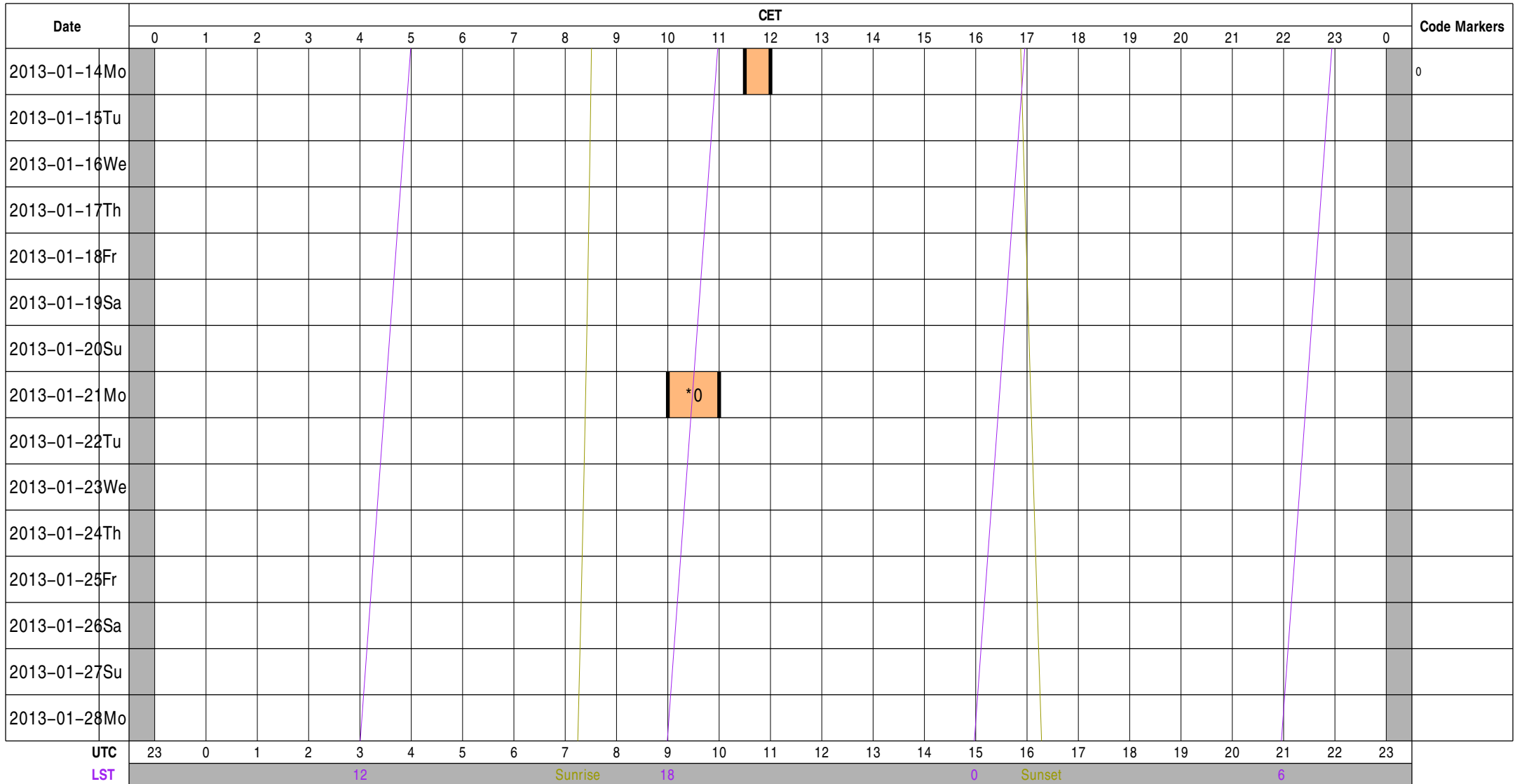
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

# Observing Plan for lofar4 Computer

## MPIfR Effelsberg LOFAR Station

### 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

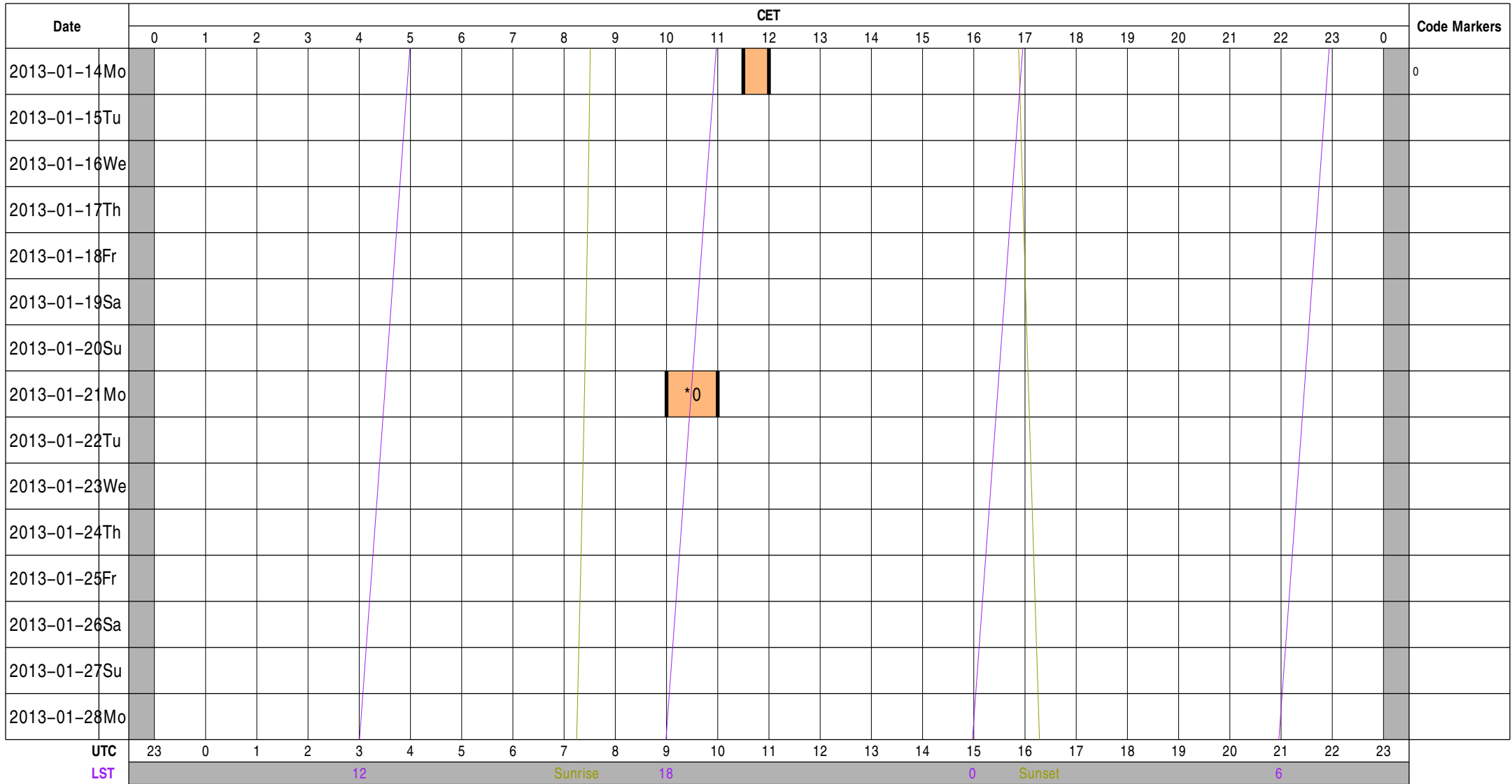
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

# Observing Plan for Iofar1a Pulsar Computer

## MPIfR Effelsberg LOFAR Station

### 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

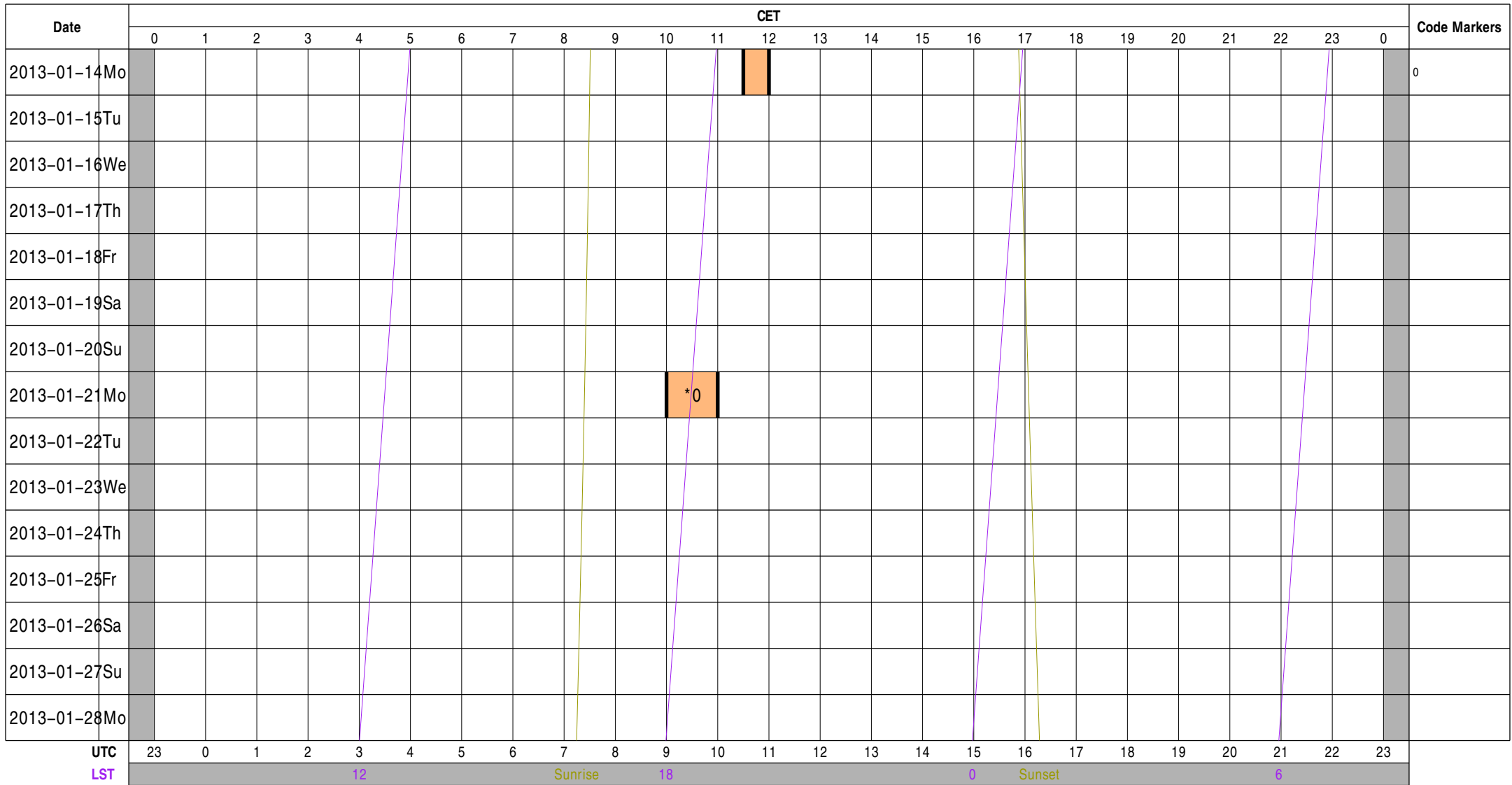
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

# Observing Plan for Iofar2a Pulsar Computer

## MPIfR Effelsberg LOFAR Station

### 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

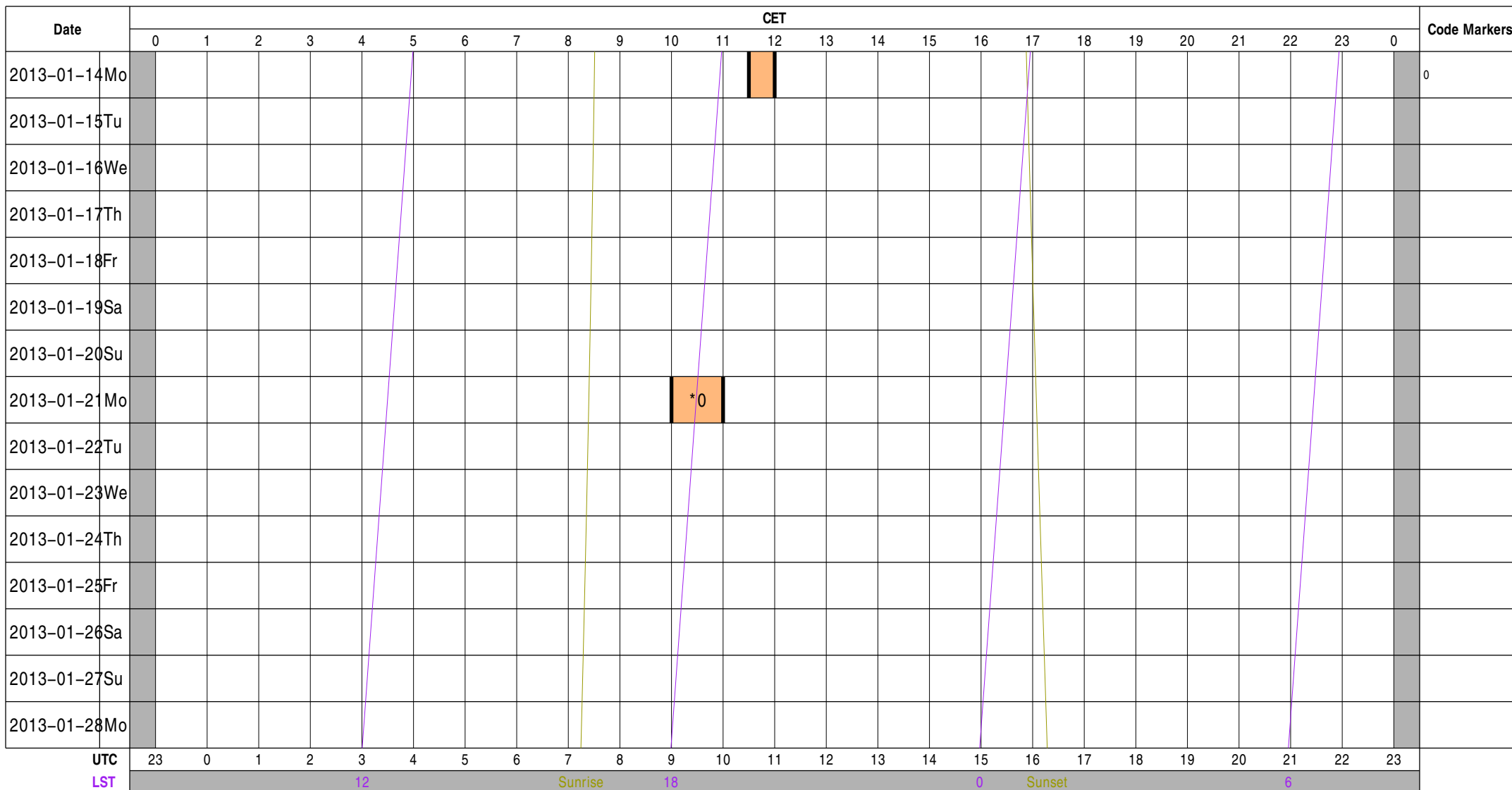
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

# Observing Plan for Iofar3a Pulsar Computer

## MPIfR Effelsberg LOFAR Station

### 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

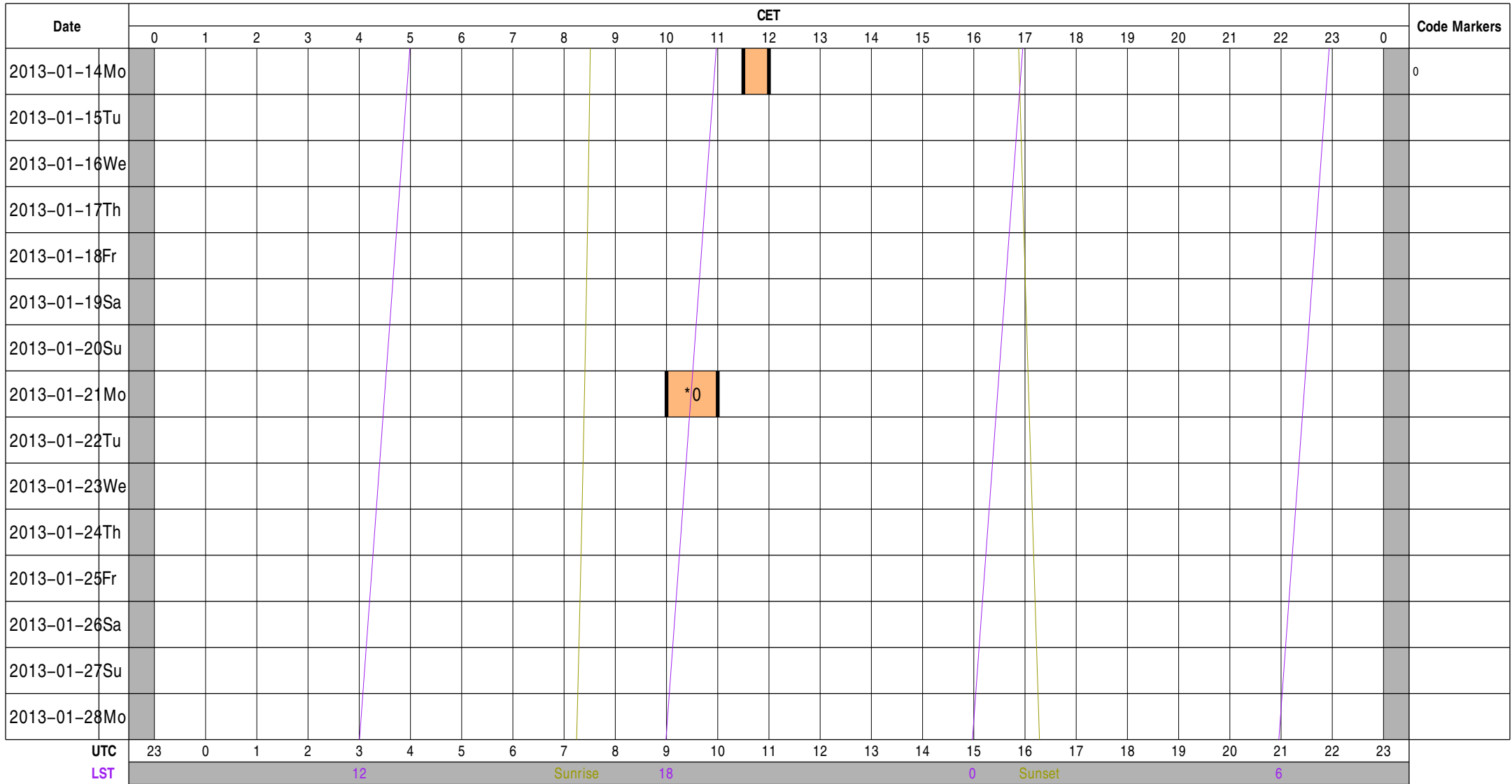
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

# Observing Plan for Iofar4a Pulsar Computer

## MPIfR Effelsberg LOFAR Station

### 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

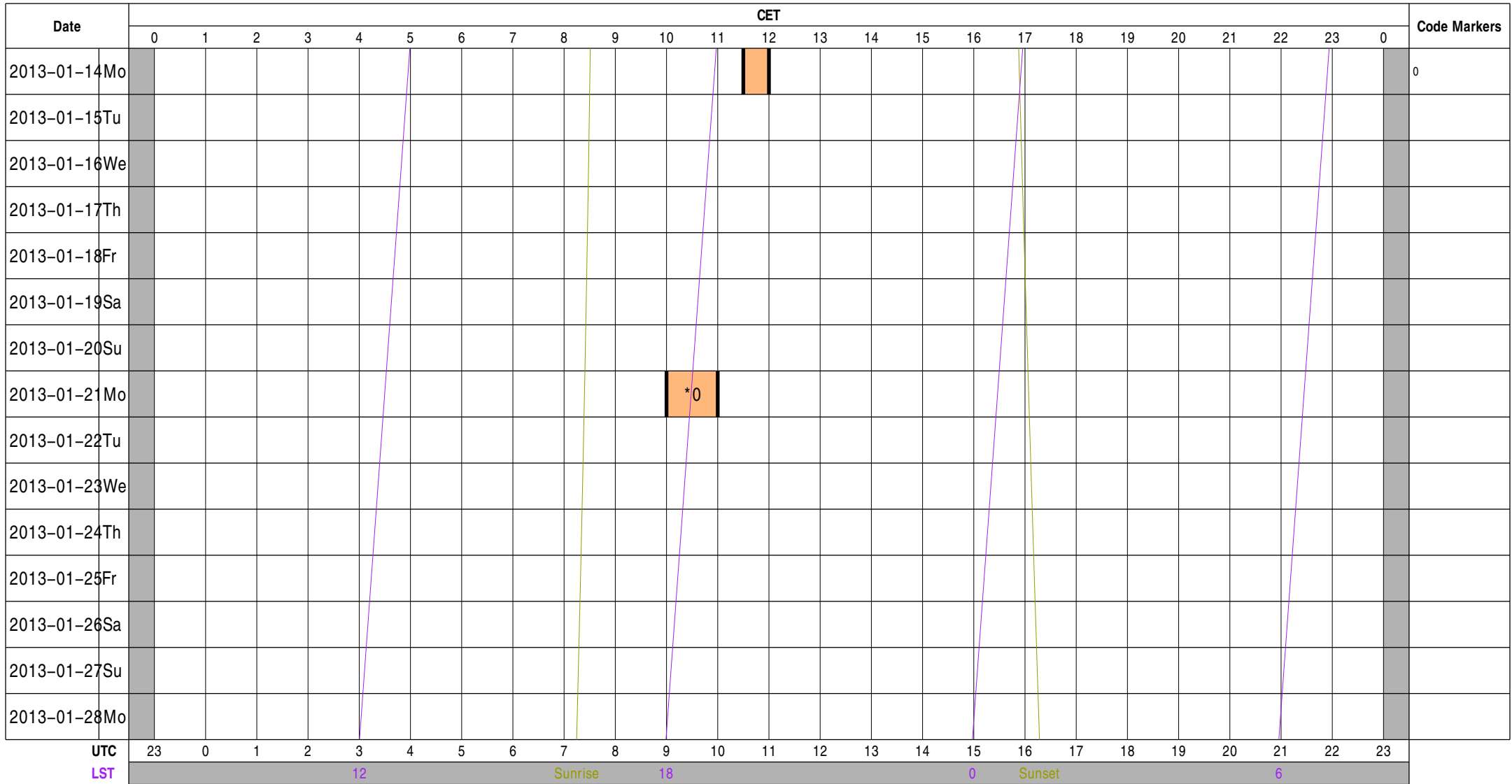
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

# Observing Plan for Iofar1b Recording Computer

## MPIfR Effelsberg LOFAR Station

### 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



**Normal Experiment Code Markers**

0 ELM2013-012 Kuniyoshi, Horneff

**Other Code Markers**

**Color Meanings**

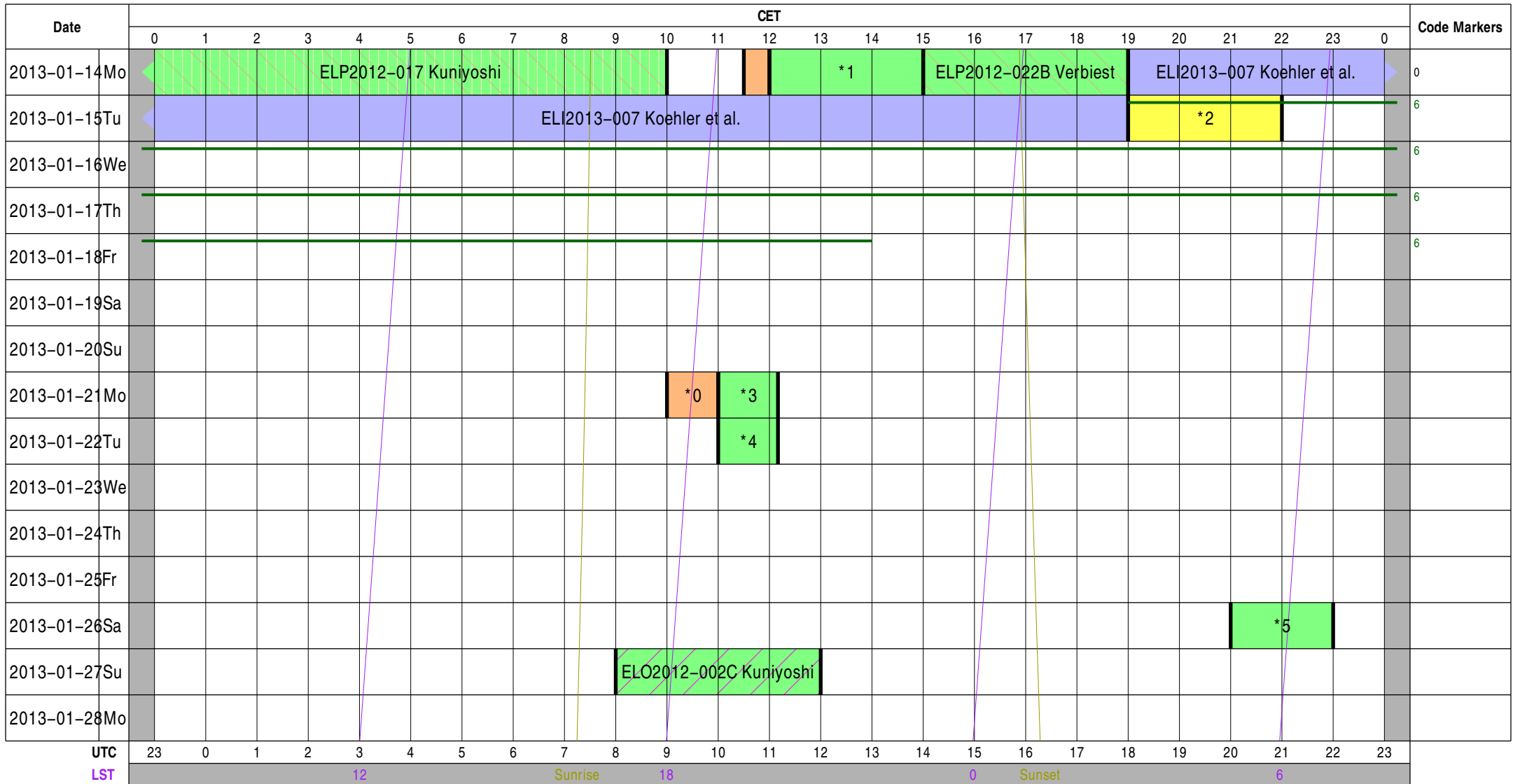
- |                           |                          |                  |                           |
|---------------------------|--------------------------|------------------|---------------------------|
| Science A (Astrometry)    | Science N (AGN)          | Test Observation | Juelich Mode  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

# Observing Plan for IofarAN Computers

## MPIfR Effelsberg LOFAR Station

### 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



#### Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELP2012-022B Verbiest
- 2 ELT2013-002 Wucknitz
- 3 ELO2012-002 Kuniyoshi
- 4 ELO2012-002A Kuniyoshi
- 5 ELO2012-002B Kuniyoshi

#### Other Code Markers

- 6 ELP2012-017 Kuniyoshi

#### Color Meanings

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

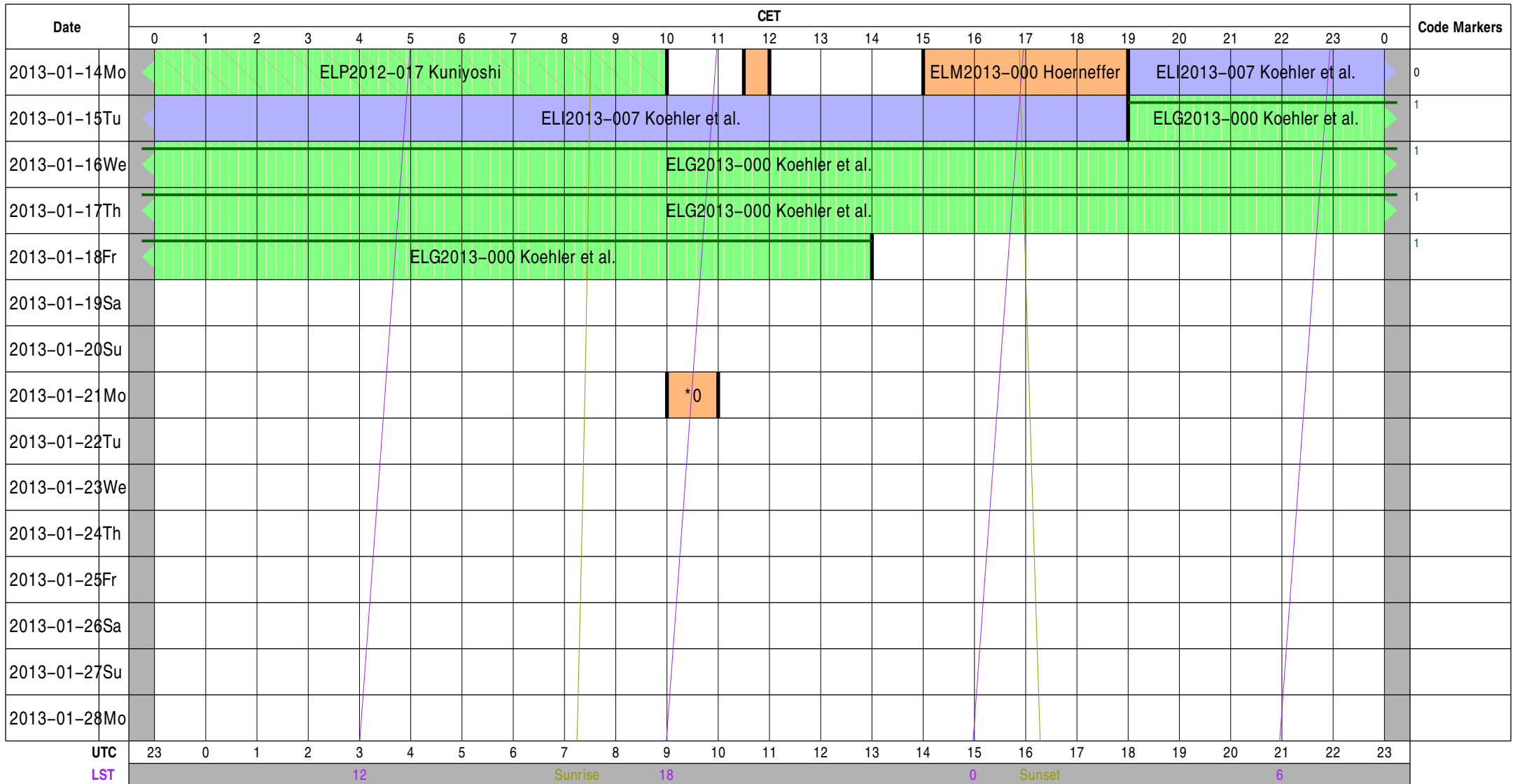


# Observing Plan for IofarBN Computers

## MPIfR Effelsberg LOFAR Station

### 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

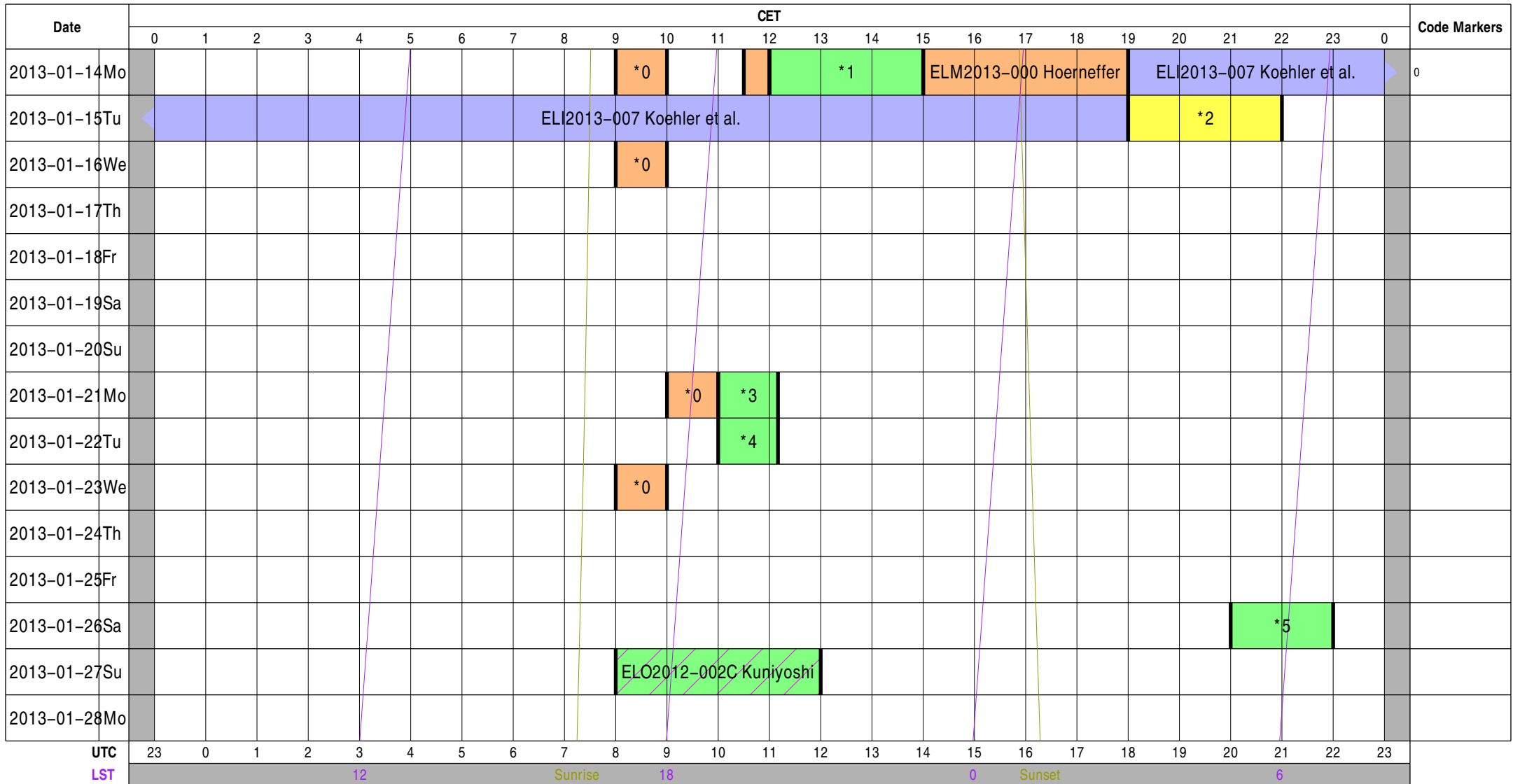
1 ELP2012-017 Kuniyoshi

#### Color Meanings

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

# Observing Plan for lofarx Computer MPIfR Effelsberg LOFAR Station 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



### Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELP2012-022B Verbiest
- 2 ELT2013-002 Wucknitz
- 3 ELO2012-002 Kuniyoshi
- 4 ELO2012-002A Kuniyoshi
- 5 ELO2012-002B Kuniyoshi

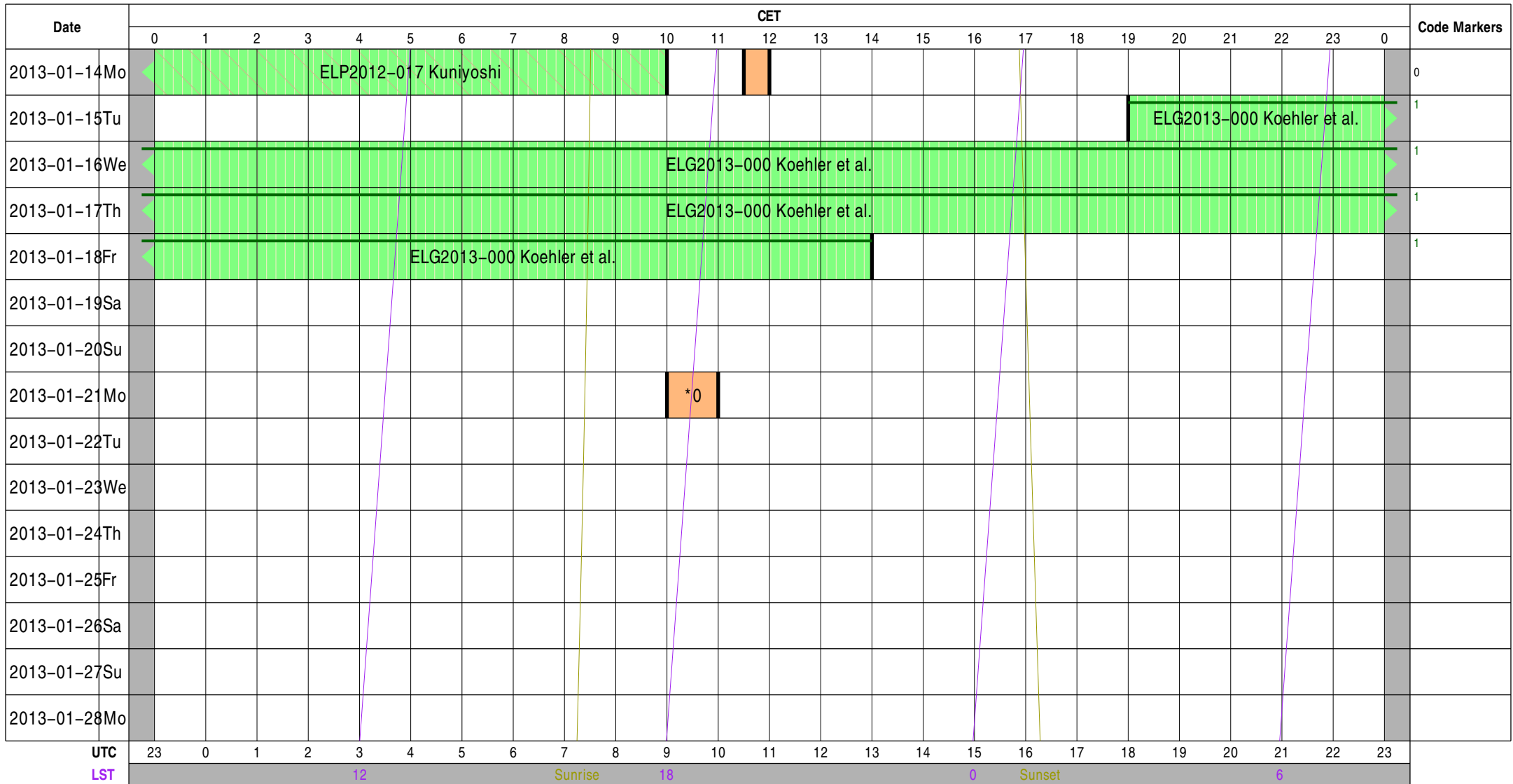
### Other Code Markers

### Color Meanings

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

# Observing Plan for Iofarsrv Computer MPIfR Effelsberg LOFAR Station 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

### Other Code Markers

1 ELP2012-017 Kuniyoshi

### Color Meanings

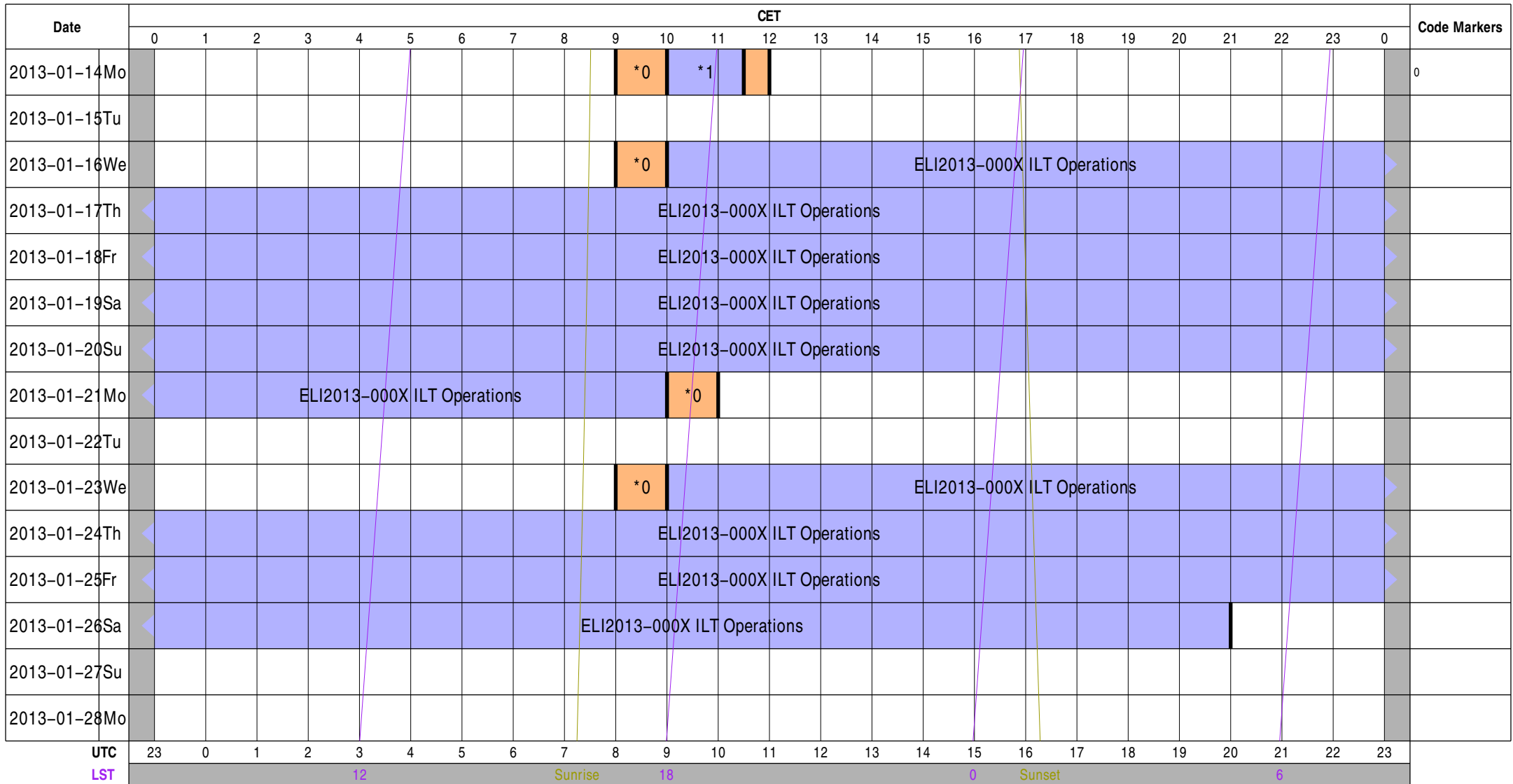
- |                           |                          |                  |                           |
|---------------------------|--------------------------|------------------|---------------------------|
| Science A (Astrometry)    | Science N (AGN)          | Test Observation | Juelich Mode  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

# Observing Plan for LOFAR Fiber Connection

## MPIfR Effelsberg LOFAR Station

### 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



#### Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELI2013-004 ILT Operations

#### Other Code Markers

#### Color Meanings

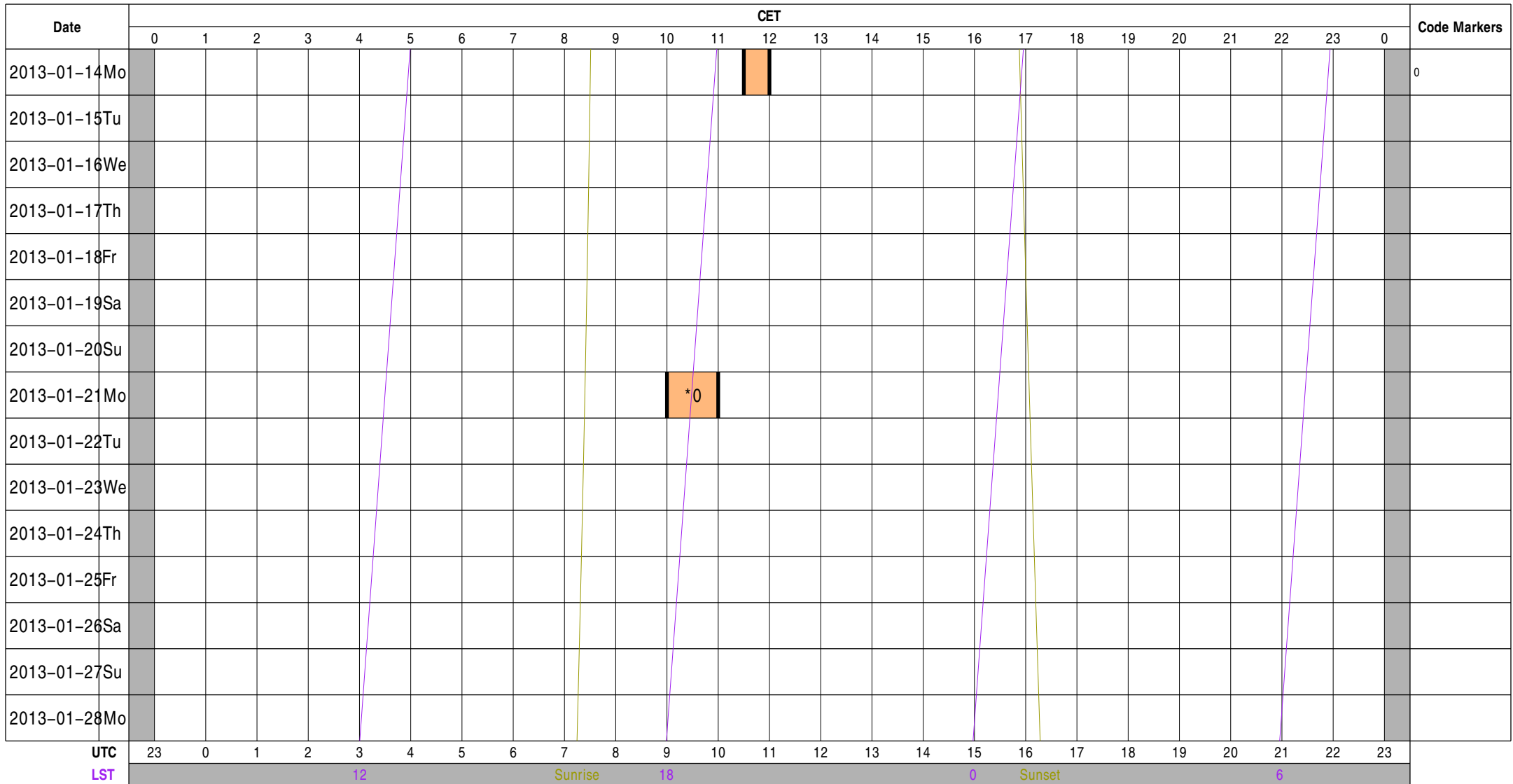
- |                           |                          |                  |                           |
|---------------------------|--------------------------|------------------|---------------------------|
| Science A (Astrometry)    | Science N (AGN)          | Test Observation | Juelich Mode  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

# Observing Plan for LOFAR Bonn--EF Fiber Connection

## MPIfR Effelsberg LOFAR Station

### 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

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

# Observing Plan for Operator On-Duty

## MPIfR Effelsberg LOFAR Station

### 2013-01-14 through 2013-01-28

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."

Date	CET																								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	
2013-01-14	Mo																										
2013-01-15	Tu																										
2013-01-16	We																										
2013-01-17	Th																										
2013-01-18	Fr																										
2013-01-19	Sa																										
2013-01-20	Su																										
2013-01-21	Mo																										
2013-01-22	Tu																										
2013-01-23	We																										
2013-01-24	Th																										
2013-01-25	Fr																										
2013-01-26	Sa																										
2013-01-27	Su																										
2013-01-28	Mo																										

UTC

LST

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

12 Sunrise 18 0 Sunset 6

Normal Experiment Code Markers

Other Code Markers

Color Meanings

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

## Experiment Information for Normal Observations

<b>ELG2013-000</b>	<b>Koehler et al.</b>	<b>jana@mpi-fr-bonn.mpg.de</b>	<b>+49 228 525 533</b>	<b>LC0_044 Studying large-scale polarization properties of the</b>
ELG2013-000	Koehler et al.	jana@mpi-fr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
<b>ELI2013-000</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>
ELI2013-000	ILT Operations	observer@astron.nl	+31 521 595 777	Main ILT Observations, ILT Operations only on-duty 9--17, M
ELI2013-000	ILT Operations	observer@astron.nl	+31 521 595 777	Main ILT Observations, ILT Operations only on-duty 9--17, M
<b>ELI2013-004</b>	<b>ILT Operations</b>	<b>observer@astron.nl</b>	<b>+31 521 595 777</b>	<b>ILT FUBAR, ILT Operations only on-duty 9--17, M--F</b>
ELI2013-004	ILT Operations	observer@astron.nl	+31 521 595 777	ILT FUBAR, ILT Operations only on-duty 9--17, M--F
<b>ELI2013-007</b>	<b>Koehler et al.</b>	<b>jana@mpi-fr-bonn.mpg.de</b>	<b>+49 228 525 533</b>	<b>LC0_044 Studying large-scale polarization properties of the</b>
ELI2013-007	Koehler et al.	jana@mpi-fr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
<b>ELM2013-000</b>	<b>Hoerneffer</b>	<b>horneff@mpi-fr-bonn.mpg.de</b>	<b>+49 228 525 505</b>	<b>system administration</b>
ELM2013-000	Hoerneffer	horneff@mpi-fr-bonn.mpg.de	+49 228 525 505	system administration
<b>ELM2013-012</b>	<b>Kuniyoshi, Horneffer, Anderson</b>	<b>lofar-ops@mpi-fr-bonn.mpg.de</b>	<b>+49 228 525 356</b>	<b>Handover operations for local to ILT mode (MPIFR time)</b>
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpi-fr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIFR time)
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpi-fr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIFR time)
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpi-fr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIFR time)
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpi-fr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIFR time)
<b>ELO2012-002</b>	<b>Kuniyoshi</b>	<b>mkuniyos@mpi-fr-bonn.mpg.de</b>	<b>+49 228 525 505</b>	<b>education use of station</b>
ELO2012-002	Kuniyoshi	mkuniyos@mpi-fr-bonn.mpg.de	+49 228 525 505	education use of station
ELO2012-002	Kuniyoshi	mkuniyos@mpi-fr-bonn.mpg.de	+49 228 525 505	education use of station
ELO2012-002	Kuniyoshi	mkuniyos@mpi-fr-bonn.mpg.de	+49 228 525 505	education use of station
<b>ELP2012-017</b>	<b>Kuniyoshi</b>	<b>mkuniyos@mpi-fr-bonn.mpg.de</b>	<b>+49 228 525 505</b>	<b>testing DJLump</b>
ELP2012-017	Kuniyoshi	mkuniyos@mpi-fr-bonn.mpg.de	+49 228 525 505	testing DJLump
<b>ELP2012-022</b>	<b>Verbiest</b>	<b>verbiest@mpi-fr-bonn.mpg.de</b>	<b>+49 228 525 246</b>	<b>Assessing the Timing Potential of LOFAR for Pulsars</b>
ELP2012-022	Verbiest	verbiest@mpi-fr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022	Verbiest	verbiest@mpi-fr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
<b>ELT2013-002</b>	<b>Wucknitz</b>	<b>wucknitz@mpi-fr-bonn.mpg.de</b>	<b>73-1772</b>	<b>testing TBB subband mode and station calibration</b>
ELT2013-002	Wucknitz	wucknitz@mpi-fr-bonn.mpg.de	73-1772	testing TBB subband mode and station calibration

## Experiment Information for Other Actions

ELP2012-017	Kuniyoshi	mkunios@mpifr-bonn.mpg.de	+49 228 525 505	testing DJLump
ELP2012-017	Kuniyoshi	mkunios@mpifr-bonn.mpg.de	+49 228 525 505	testing DJLump



# Experiment Information for Operator On-Duty Schedule

ELD2013-002	Kuniyoshi	mkuniyos@mpifr-bonn.mpg.de	+49 228 525 505	Project Scheduler
ELD2013-002	Kuniyoshi	mkuniyos@mpifr-bonn.mpg.de	+49 228 525 505	Project Scheduler

## Time Usage [hours] for Normal Observations

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofar1	lofar2	lofar3	lofar4	lofar1a	lofar2a	lofar3a	lofar4a	lofar1b	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF
<b>ELG2013-000</b>																	<b>67.00</b>		<b>67.00</b>		
ELG2013-000																	67.00		67.00		
<b>ELI2013-000</b>	<b>203.00</b>	<b>203.00</b>	<b>203.00</b>	<b>203.00</b>	<b>203.00</b>	<b>203.00</b>															<b>203.00</b>
ELI2013-000 X	120.00	120.00	120.00	120.00	120.00	120.00															120.00
ELI2013-000 X	83.00	83.00	83.00	83.00	83.00	83.00															83.00
<b>ELI2013-004</b>	<b>1.50</b>	<b>1.50</b>	<b>1.50</b>	<b>1.50</b>	<b>1.50</b>	<b>1.50</b>															<b>1.50</b>
ELI2013-004	1.50	1.50	1.50	1.50	1.50	1.50															1.50
<b>ELI2013-007</b>	<b>24.00</b>	<b>24.00</b>	<b>24.00</b>	<b>24.00</b>													<b>24.00</b>	<b>24.00</b>	<b>24.00</b>		
ELI2013-007	24.00	24.00	24.00	24.00													24.00	24.00	24.00		
<b>ELM2013-000</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>													<b>4.00</b>	<b>4.00</b>			
ELM2013-000	4.00	4.00	4.00	4.00													4.00	4.00			
<b>ELM2013-012</b>	<b>4.50</b>	<b>4.50</b>	<b>4.50</b>	<b>4.50</b>	<b>4.50</b>	<b>4.50</b>	<b>1.50</b>	<b>1.50</b>	<b>1.50</b>	<b>1.50</b>	<b>1.50</b>	<b>1.50</b>	<b>1.50</b>	<b>1.50</b>	<b>1.50</b>	<b>1.50</b>	<b>1.50</b>	<b>1.50</b>	<b>4.50</b>	<b>1.50</b>	<b>4.50</b>
ELM2013-012	1.00	1.00	1.00	1.00	1.00	1.00													1.00		1.00
ELM2013-012	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
ELM2013-012	1.00	1.00	1.00	1.00	1.00	1.00													1.00		1.00
ELM2013-012	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ELM2013-012	1.00	1.00	1.00	1.00	1.00	1.00													1.00		1.00
<b>ELO2012-002</b>	<b>8.33</b>		<b>8.33</b>														<b>8.33</b>	<b>8.33</b>			
ELO2012-002	1.17		1.17														1.17	1.17			
ELO2012-002 A	1.17		1.17														1.17	1.17			
ELO2012-002 B	2.00		2.00														2.00	2.00			
ELO2012-002 C	4.00		4.00														4.00	4.00			
<b>ELP2012-017</b>																	<b>10.00</b>	<b>10.00</b>		<b>10.00</b>	
ELP2012-017																	10.00	10.00		10.00	
<b>ELP2012-022</b>	<b>3.00</b>		<b>3.00</b>														<b>7.00</b>	<b>3.00</b>			
ELP2012-022 B	3.00		3.00														3.00	3.00			
ELP2012-022 B																	4.00				
<b>ELT2013-002</b>	<b>3.00</b>	<b>3.00</b>	<b>3.00</b>														<b>3.00</b>	<b>3.00</b>			
ELT2013-002	3.00	3.00	3.00														3.00	3.00			

# Time Usage [hours] for Other Actions

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofar1	lofar2	lofar3	lofar4	lofar1a	lofar2a	lofar3a	lofar4a	lofar1b	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF
ELP2012-017																67.00	67.00		67.00		
ELP2012-017																67.00	67.00		67.00		



# Summary of Time Usage [total=360.00 hours] for MPIfR Effelsberg LOFAR Station

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofar1	lofar2	lofar3	lofar4	lofar1a	lofar2a	lofar3a	lofar4a	lofar1b	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF	
<b>normal</b>																						
Science A (Astrometry)																						
Science C (Cosmology)																						
Science E (Extragalactic)																						
Science G (Galactic)																						
Science H (Ionosphere)																						
Science N (AGN)																						
Science O (Other)																						
	8.33		8.33													8.33		8.33				
Science P (Pulsar)																						
	3.00		3.00													17.00	10.00	3.00	10.00			
Science R (Cosmic Rays)																						
Science S (Solar System)																						
Test Observation																						
	3.00	3.00	3.00													3.00		3.00				
Maintenance Mode																						
	8.50	8.50	8.50	8.50	4.50	4.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	5.50	8.50	1.50	4.50	1.50	
ILT Mode																						
	228.50	228.50	228.50	228.50	204.50	204.50										24.00	24.00	24.00		204.50		
Effelsberg Mode																						
GLOW Mode																						
Juelich Mode																						
Unknown Code																						
Idle																						
	108.67	120.00	108.67	123.00	151.00	151.00	358.50	358.50	358.50	358.50	358.50	358.50	358.50	358.50	358.50	306.17	253.50	313.17	281.50	151.00	358.50	
<b>piggy-up</b>																						
Piggyback Control																						
Unknown Code																						
Idle																						
	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00
<b>piggy-down</b>																						
Piggyback Without Control																						
Unknown Code																						
Idle																						
	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	293.00	293.00	360.00	293.00	360.00	360.00	360.00
<b>warning</b>																						
Experiment Warning																						
Unknown Code																						
Idle																						
	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00
<b>steal</b>																						
Override Possible																						
Unknown Code																						
Idle																						
	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00
<b>duty</b>																						
100 m Operator																						
Anderson																						
Kuniyoshi																						
Horneffer																						
Other																						
Unknown																						
Unknown Code																						
Idle																						

# Summary of Time Usage [total=100.00 %] for MPIfR Effelsberg LOFAR Station

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofar1	lofar2	lofar3	lofar4	lofar1a	lofar2a	lofar3a	lofar4a	lofar1b	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF	
<b>normal</b>																						
Science A (Astrometry)																						
Science C (Cosmology)																						
Science E (Extragalactic)																						
Science G (Galactic)																						
Science H (Ionosphere)																						
Science N (AGN)																						
Science O (Other)																						
	2.31		2.31													2.31		2.31				
Science P (Pulsar)																						
	0.83		0.83													4.72	2.78	0.83	2.78			
Science R (Cosmic Rays)																						
Science S (Solar System)																						
Test Observation																						
	0.83	0.83	0.83													0.83		0.83				
Maintenance Mode																						
	2.36	2.36	2.36	2.36	1.25	1.25	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	1.53	2.36	0.42	1.25	0.42	
ILT Mode																						
	63.47	63.47	63.47	63.47	56.81	56.81											6.67	6.67	6.67		56.81	
Effelsberg Mode																						
GLOW Mode																						
Juelich Mode																						
Unknown Code																						
Idle																						
	30.19	33.33	30.19	34.17	41.94	41.94	99.58	99.58	99.58	99.58	99.58	99.58	99.58	99.58	99.58	85.05	70.42	86.99	78.19	41.94	99.58	
<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	100.00	100.00	100.00	100.00	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	100.00	100.00	100.00	100.00	100.00	100.00	81.39	81.39	100.00	81.39	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	100.00	100.00	100.00	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	100.00	100.00	100.00	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																						
Horneffer																						
Other																						
Unknown																						
Unknown Code																						
Idle																						