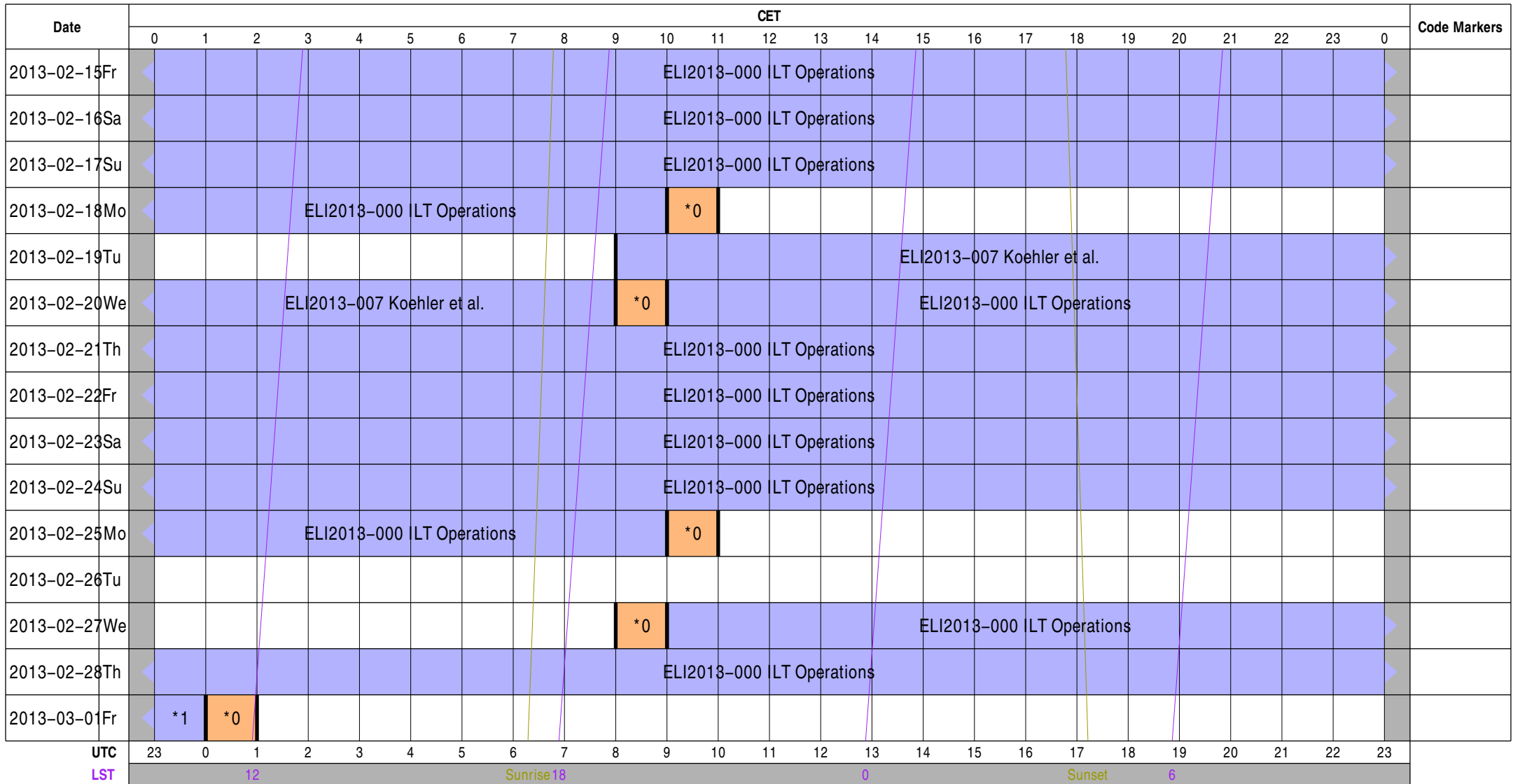


# Observing Plan for Station Control (LCU)

## MPIfR Effelsberg LOFAR Station

### 2013-02-15 through 2013-03-01

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 ELI2013-000 ILT Operations

#### Other Code Markers

#### Color Meanings

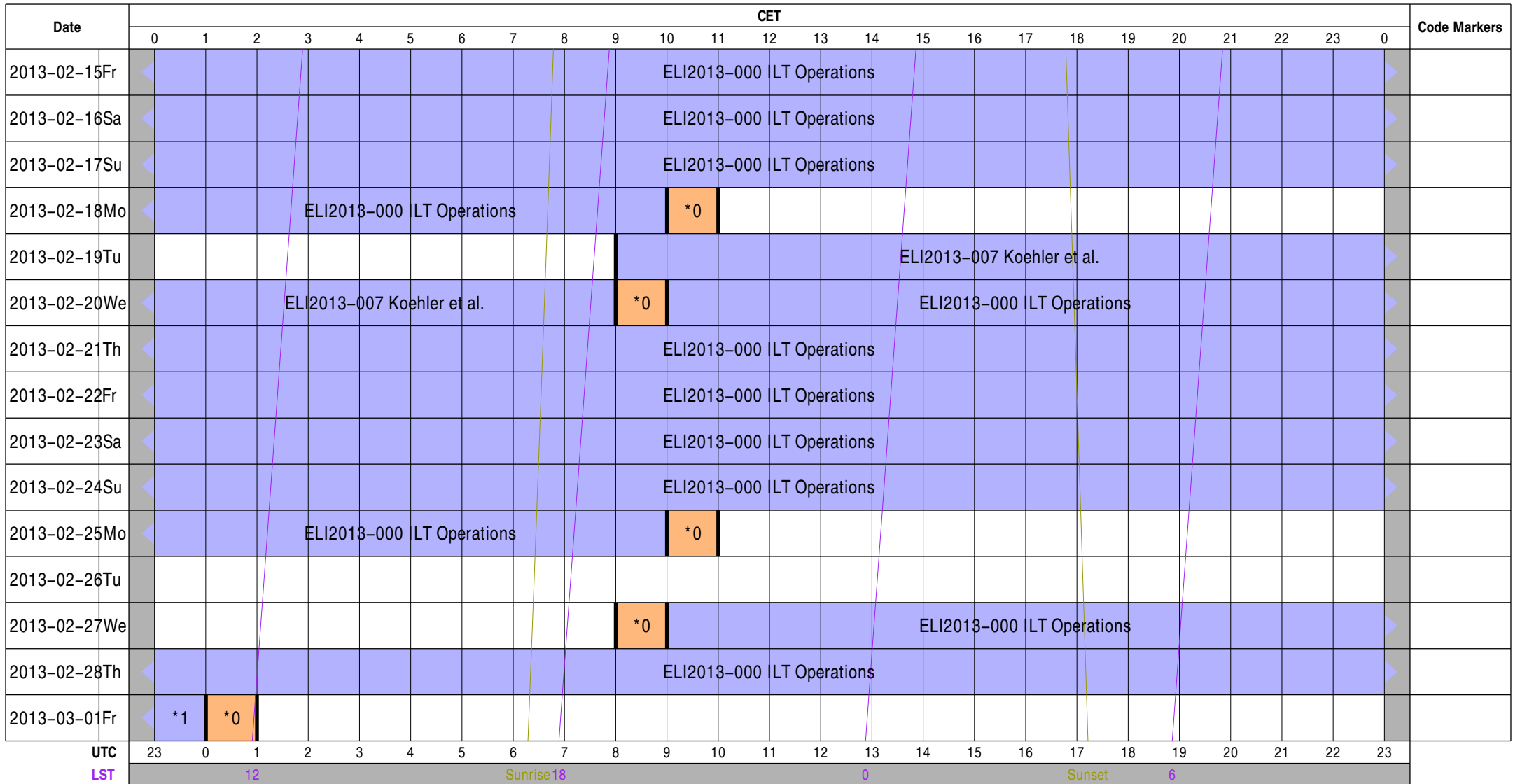
- |                           |                          |                  |                           |
|---------------------------|--------------------------|------------------|---------------------------|
| Science A (Astrometry)    | Science N (AGN)          | Test Observation | Juelich Mode              |
| 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 Transient Buffer Boards

## MPIfR Effelsberg LOFAR Station

### 2013-02-15 through 2013-03-01

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 ELI2013-000 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 HBA MPIfR Effelsberg LOFAR Station 2013-02-15 through 2013-03-01

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				
2013-02-15Fr	ELI2013-000 ILT Operations																													
2013-02-16Sa	ELI2013-000 ILT Operations																													
2013-02-17Su	ELI2013-000 ILT Operations																													
2013-02-18Mo	ELI2013-000 ILT Operations										*0																			
2013-02-19Tu											ELI2013-007 Koehler et al.																			
2013-02-20We	ELI2013-007 Koehler et al.										*0	ELI2013-000 ILT Operations																		
2013-02-21Th											ELI2013-000 ILT Operations																			
2013-02-22Fr											ELI2013-000 ILT Operations																			
2013-02-23Sa											ELI2013-000 ILT Operations																			
2013-02-24Su											ELI2013-000 ILT Operations																			
2013-02-25Mo	ELI2013-000 ILT Operations										*0																			
2013-02-26Tu																														
2013-02-27We											*0	ELI2013-000 ILT Operations																		
2013-02-28Th											ELI2013-000 ILT Operations																			
2013-03-01Fr	*1	*0																												
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 ELI2013-000 ILT Operations

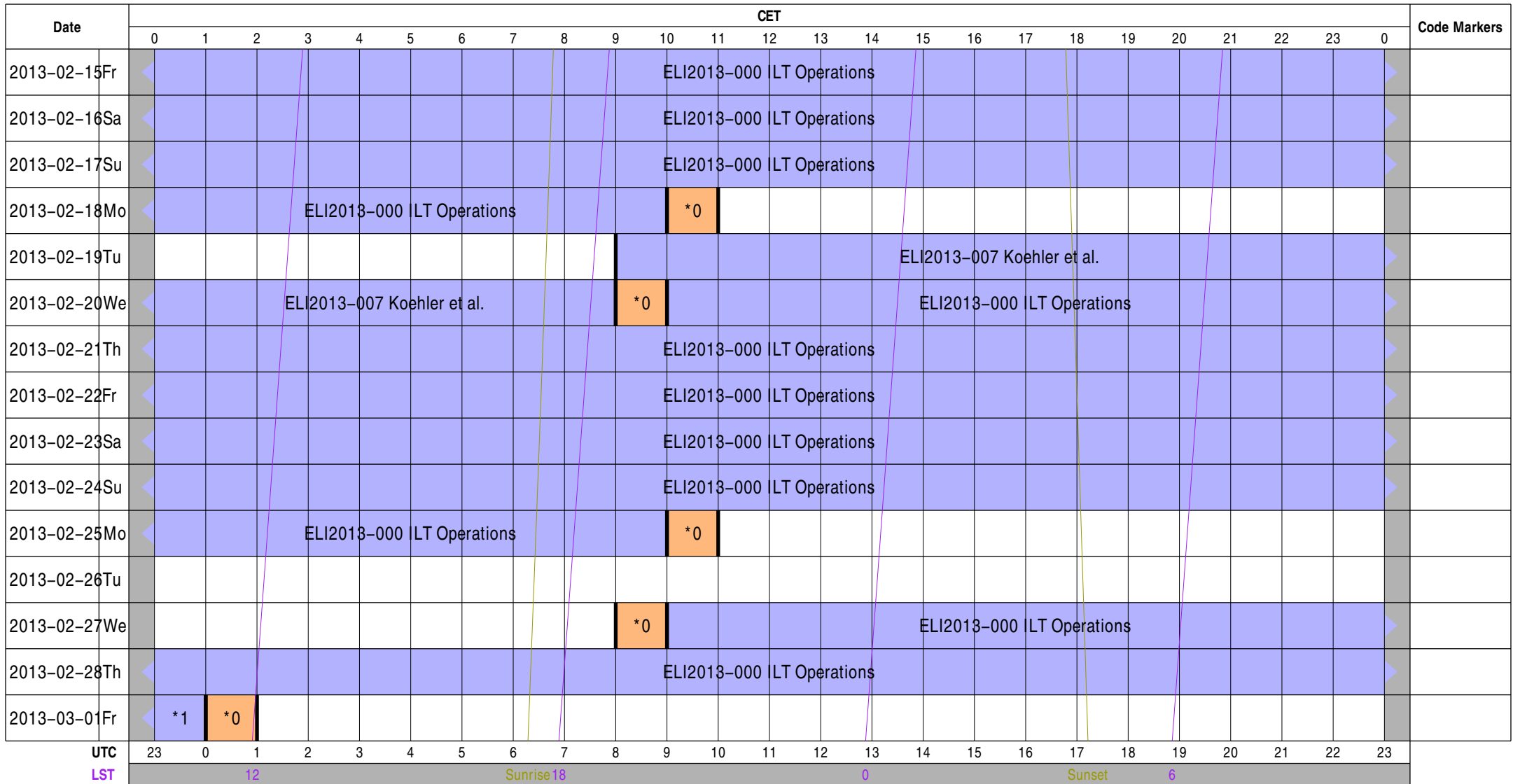
### Other Code Markers

### 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 High (LBA) MPIfR Effelsberg LOFAR Station 2013-02-15 through 2013-03-01

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 ELI2013-000 ILT Operations

### Other Code Markers

### Color Meanings

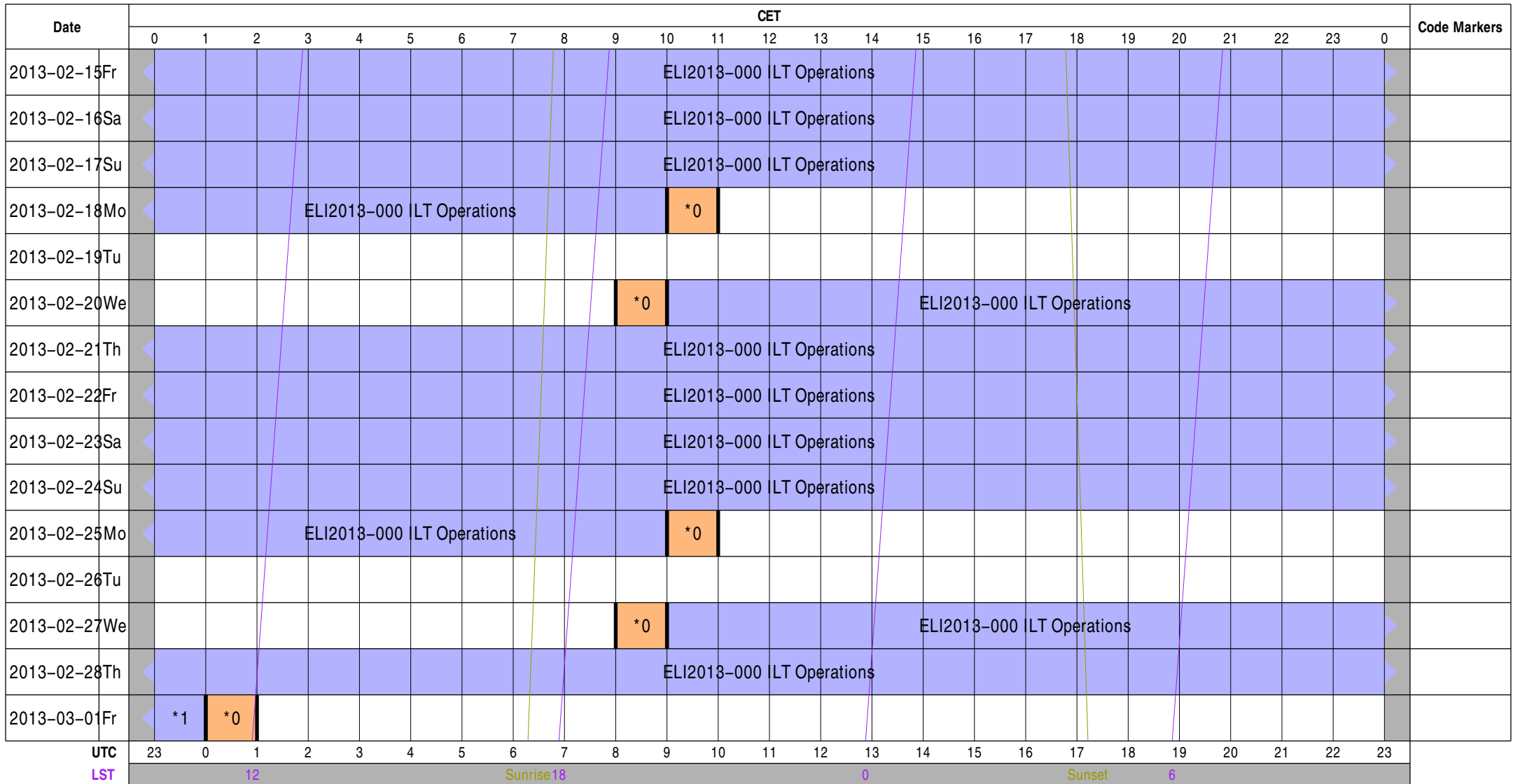
- |                           |                          |                  |                           |
|---------------------------|--------------------------|------------------|---------------------------|
| Science A (Astrometry)    | Science N (AGN)          | Test Observation | Juelich Mode              |
| 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

### 2013-02-15 through 2013-03-01

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 ELI2013-000 ILT Operations

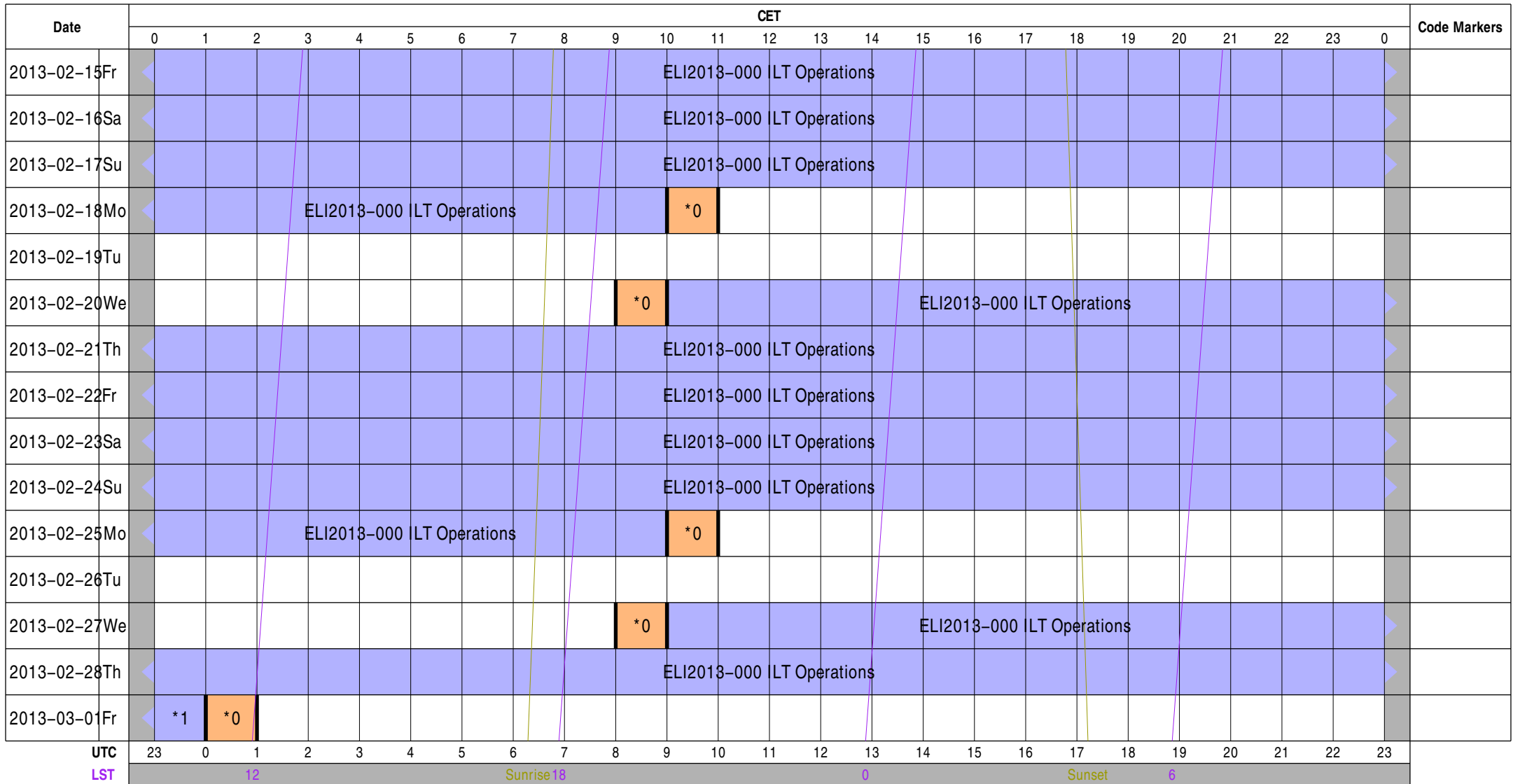
#### Other Code Markers

#### 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 Station Interferometer MPIfR Effelsberg LOFAR Station 2013-02-15 through 2013-03-01

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 ELI2013-000 ILT Operations

### Other Code Markers

### Color Meanings

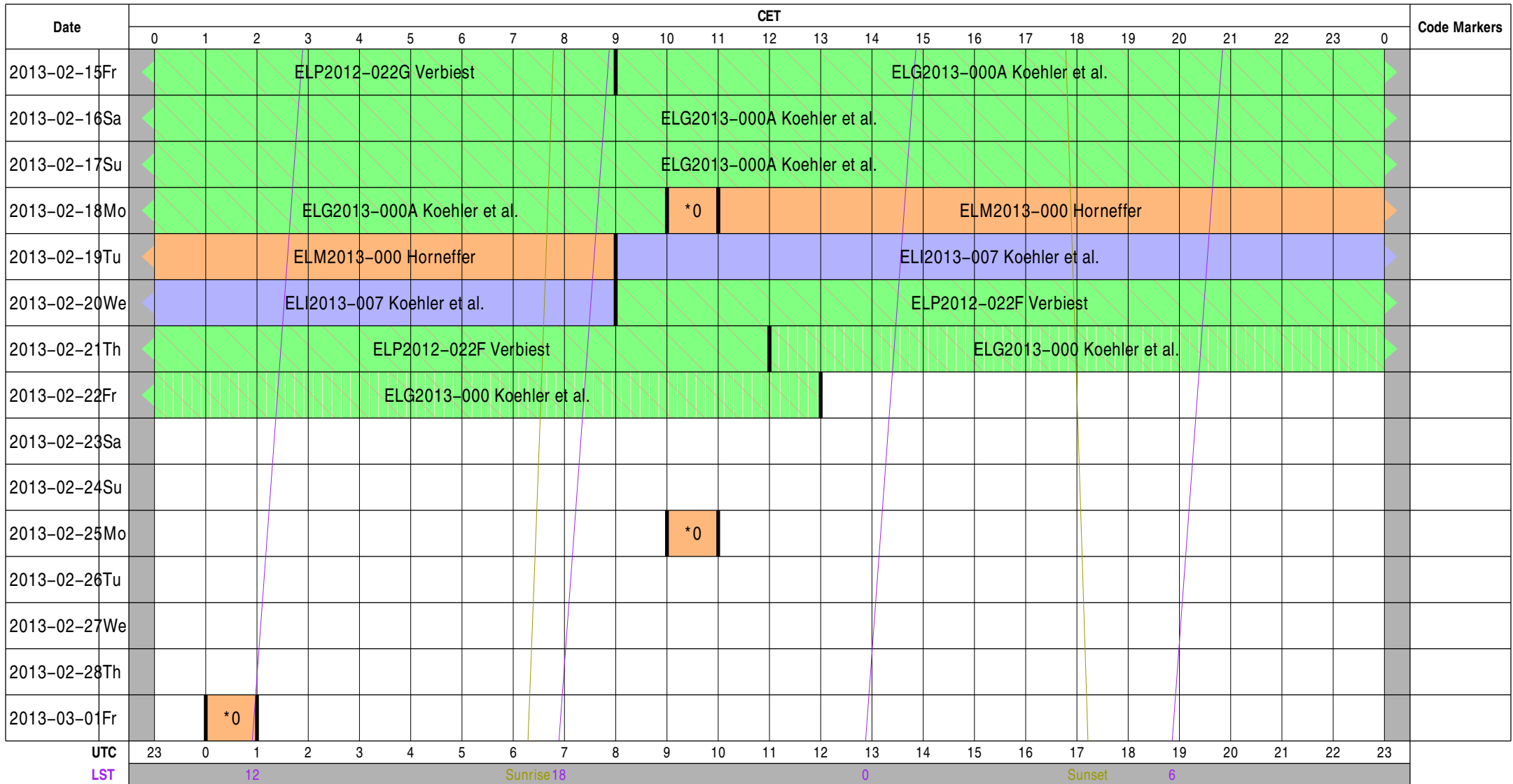
- |                           |                          |                  |                           |
|---------------------------|--------------------------|------------------|---------------------------|
| Science A (Astrometry)    | Science N (AGN)          | Test Observation | Juelich Mode              |
| 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 IofarAN Computers

## MPIfR Effelsberg LOFAR Station

### 2013-02-15 through 2013-03-01

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

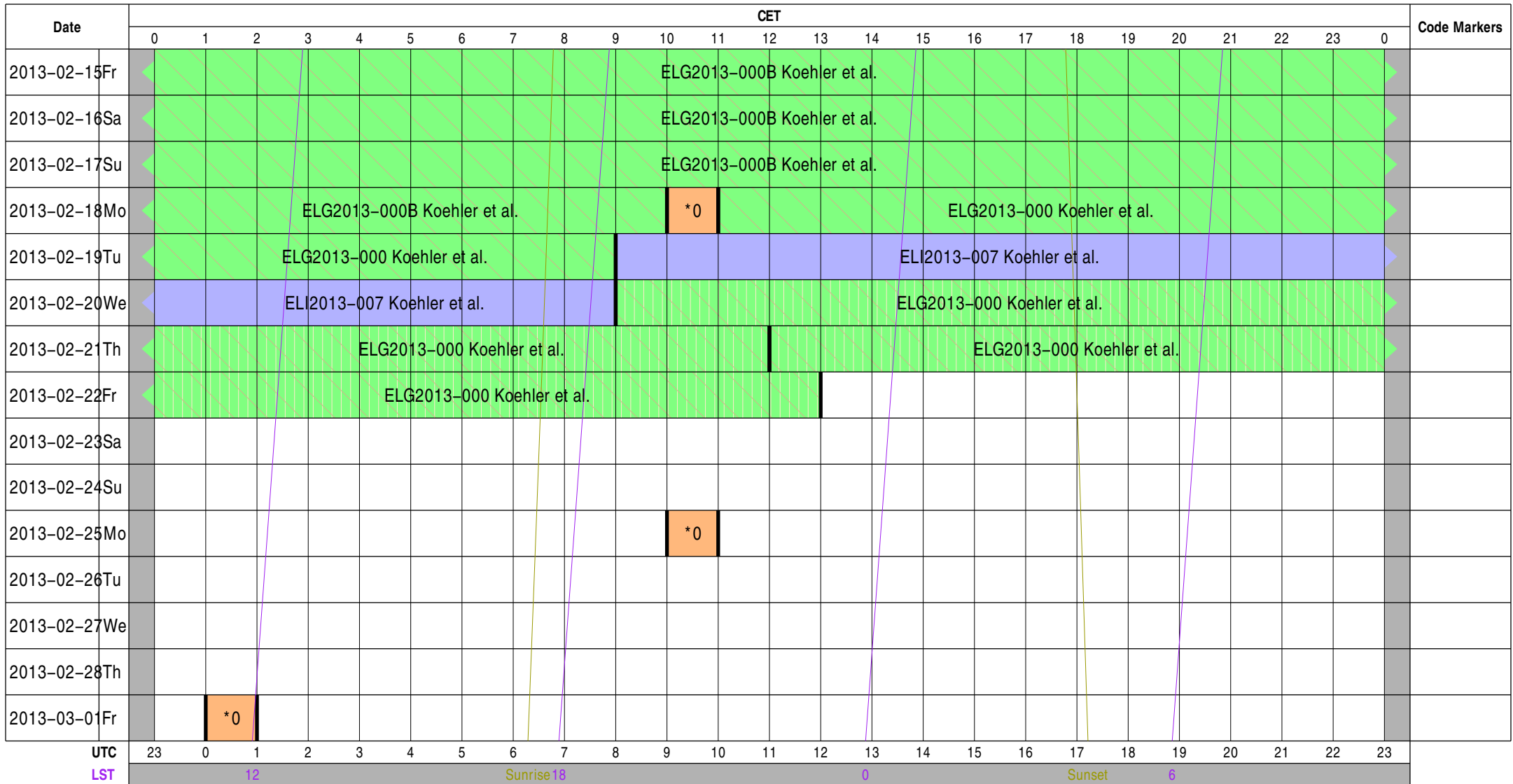
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

# Observing Plan for IofarBN Computers

## MPIfR Effelsberg LOFAR Station

### 2013-02-15 through 2013-03-01

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

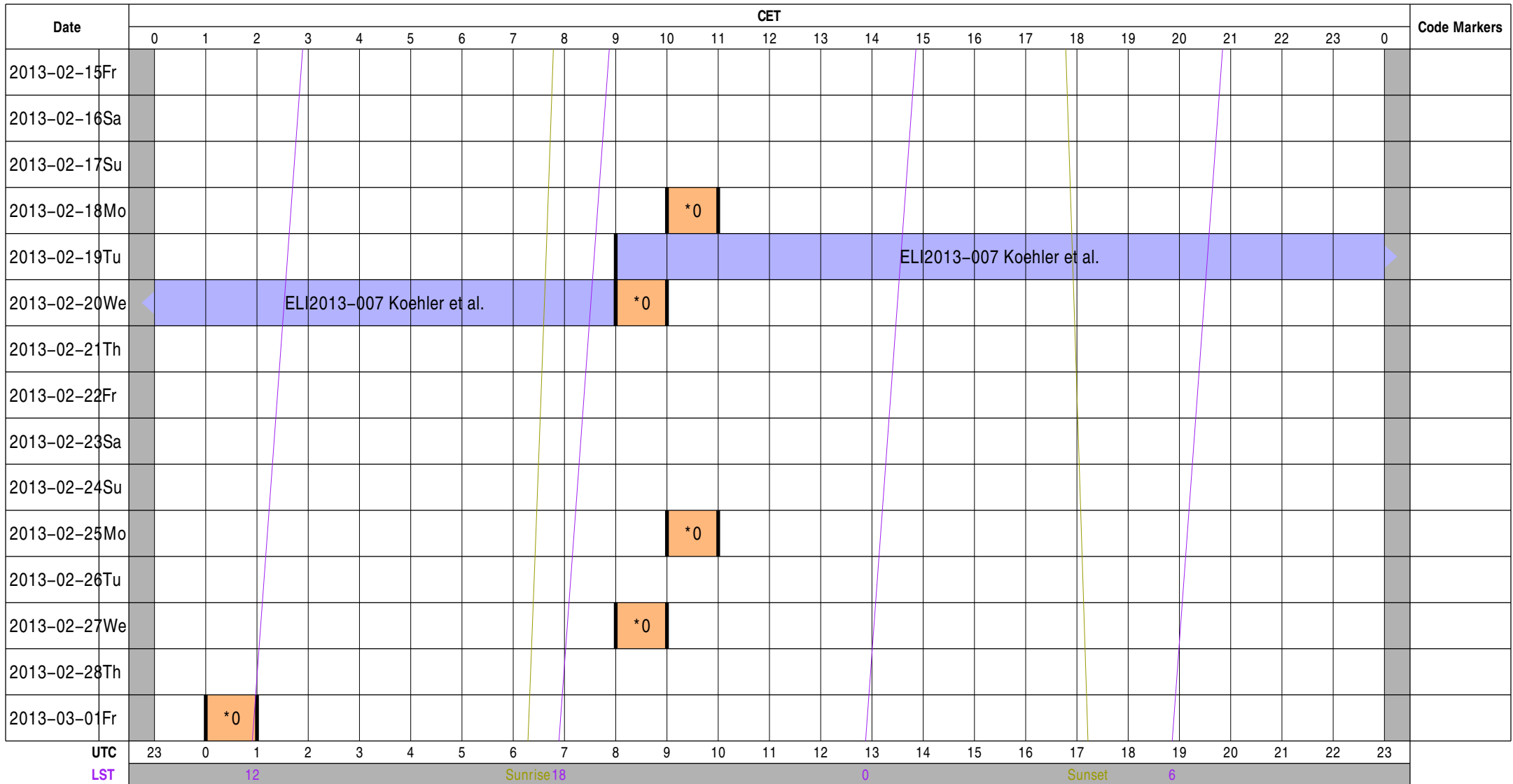
#### Color Meanings

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 lofarx Computer MPIfR Effelsberg LOFAR Station 2013-02-15 through 2013-03-01

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

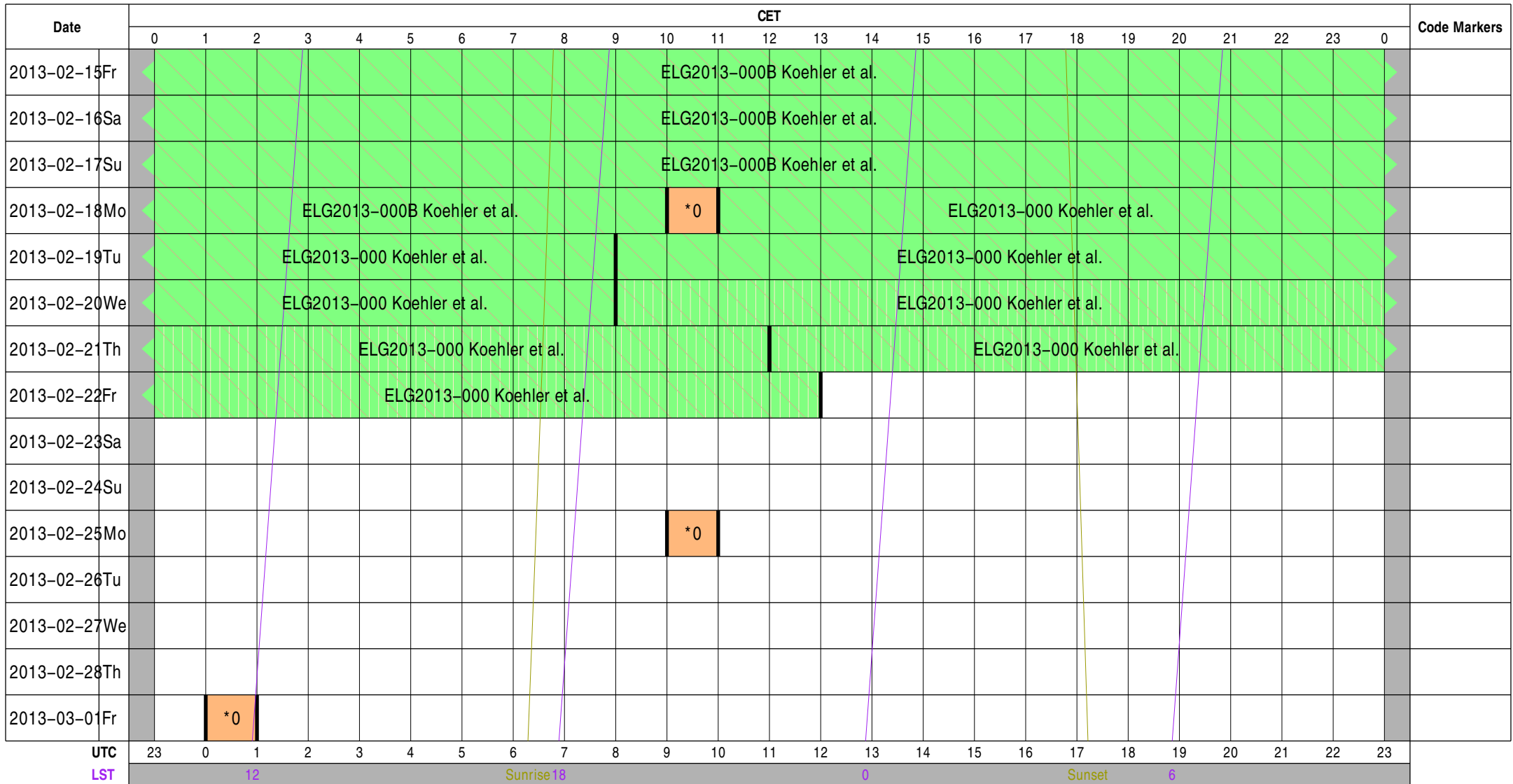
### Other Code Markers

### 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 Iofarsrv Computer MPIfR Effelsberg LOFAR Station 2013-02-15 through 2013-03-01

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

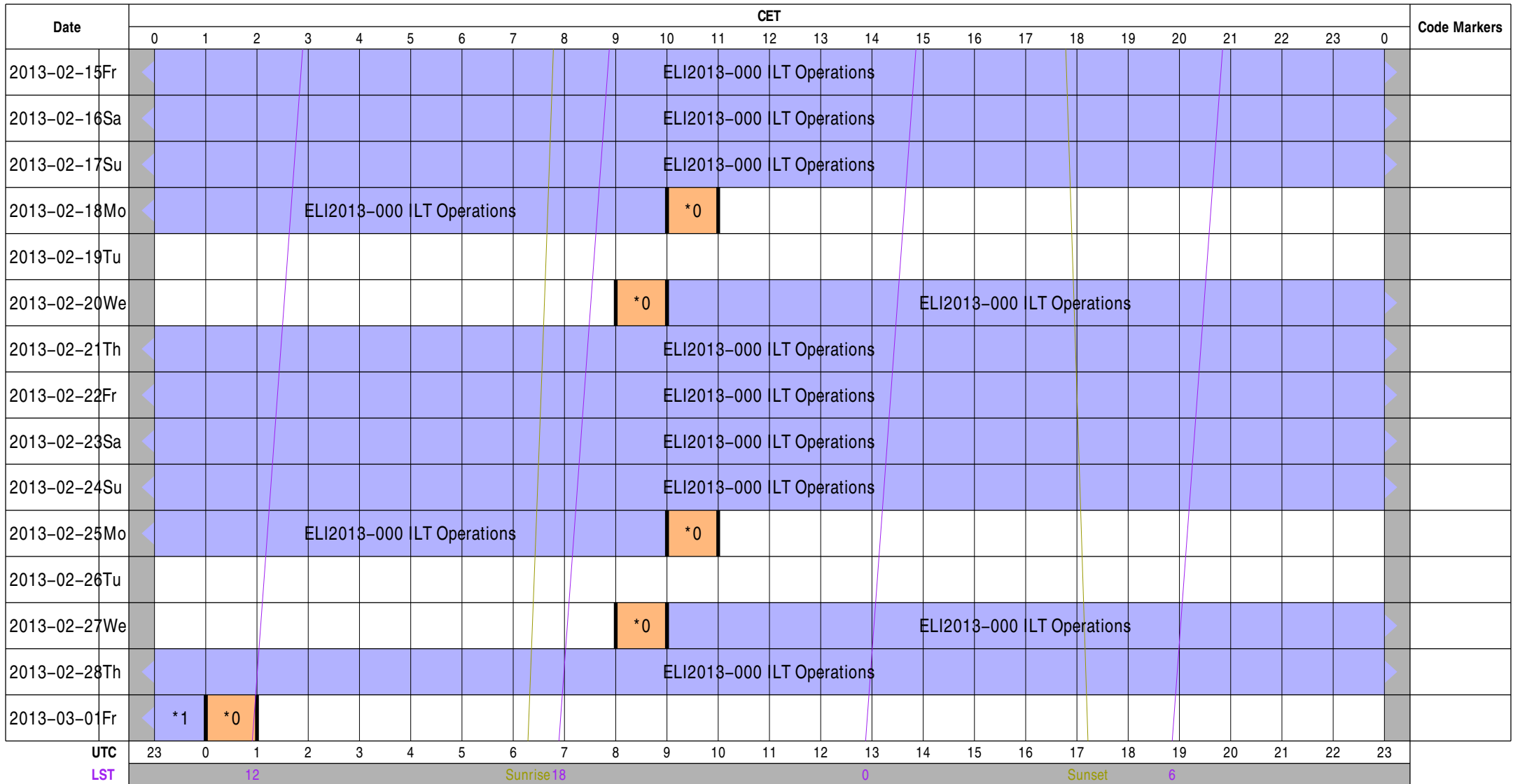
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

# Observing Plan for LOFAR Fiber Connection

## MPIfR Effelsberg LOFAR Station

### 2013-02-15 through 2013-03-01

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 ELI2013-000 ILT Operations

#### Other Code Markers

#### Color Meanings

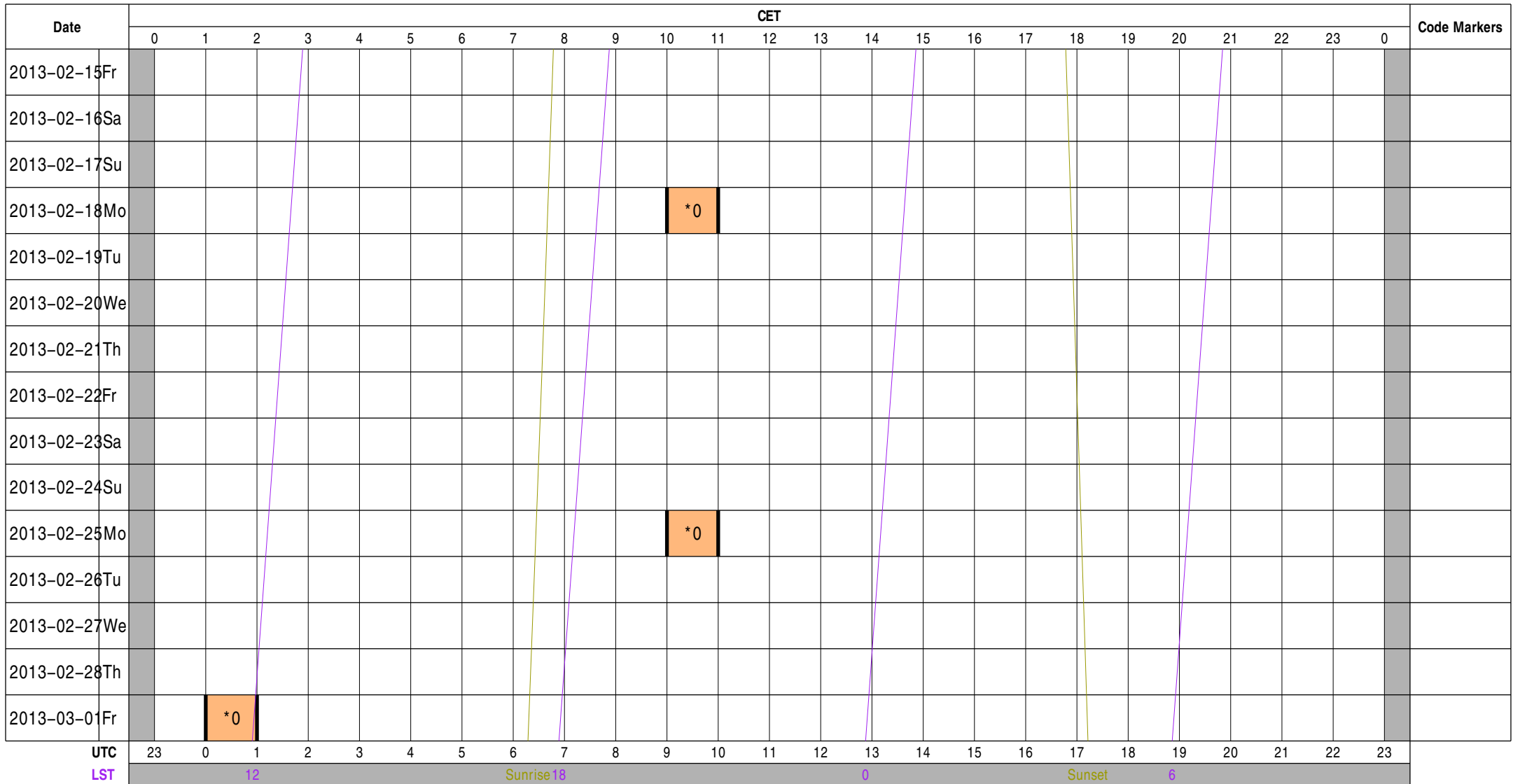
- |                           |                          |                  |                           |
|---------------------------|--------------------------|------------------|---------------------------|
| Science A (Astrometry)    | Science N (AGN)          | Test Observation | Juelich Mode              |
| 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

### 2013-02-15 through 2013-03-01

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

### 2013-02-15 through 2013-03-01

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	
2013-02-15Fr	ELD2013-002 Kuniyoshi																								
2013-02-16Sa	ELD2013-002 Kuniyoshi																								
2013-02-17Su	ELD2013-002 Kuniyoshi																								
2013-02-18Mo	ELD2013-002 Kuniyoshi																								
2013-02-19Tu	ELD2013-002 Kuniyoshi																								
2013-02-20We	ELD2013-002 Kuniyoshi																								
2013-02-21Th	ELD2013-002 Kuniyoshi																								
2013-02-22Fr	ELD2013-002 Kuniyoshi																								
2013-02-23Sa	ELD2013-002 Kuniyoshi																								
2013-02-24Su	ELD2013-002 Kuniyoshi																								
2013-02-25Mo	ELD2013-002 Kuniyoshi																								
2013-02-26Tu	ELD2013-002 Kuniyoshi																								
2013-02-27We	ELD2013-002 Kuniyoshi																								
2013-02-28Th	ELD2013-002 Kuniyoshi																								
2013-03-01Fr	ELD2013-002 Kuniyoshi																								

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@mpifr-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@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000	Koehler et al.	jana@mpifr-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
ELI2013-000	ILT Operations	observer@astron.nl	+31 521 595 777	Main ILT Observations, ILT Operations only on-duty 9--17, M
<b>ELI2013-007</b>	<b>Koehler et al.</b>	<b>jana@mpifr-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@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
<b>ELM2013-000</b>	<b>Horneffer</b>	<b>horneff@mpifr-bonn.mpg.de</b>	<b>+49 228 525 505</b>	<b>system administration</b>
ELM2013-000	Horneffer	horneff@mpifr-bonn.mpg.de	+49 228 525 505	system administration
<b>ELM2013-012</b>	<b>Kuniyoshi, Horneffer, Anderson</b>	<b>lofar-ops@mpifr-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@mpifr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIfR time)
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpifr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIfR time)
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpifr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIfR time)
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpifr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIfR time)
<b>ELP2012-022</b>	<b>Verbiest</b>	<b>verbiest@mpifr-bonn.mpg.de</b>	<b>+49 228 525 246</b>	<b>Assessing the Timing Potential of LOFAR for Pulsars</b>
ELP2012-022	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars

## Experiment Information for Other Actions

# Experiment Information for Operator On-Duty Schedule

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



## Time Usage [hours] for Normal Observations

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF_	duty
<b>ELG2013-000</b>							<b>98.00</b>	<b>156.00</b>		<b>180.00</b>			
ELG2013-000								22.00		22.00			
ELG2013-000										24.00			
ELG2013-000								27.00		27.00			
ELG2013-000							25.00	25.00		25.00			
ELG2013-000 A							73.00						
ELG2013-000 B								82.00		82.00			
<b>ELI2013-000</b>	<b>241.00</b>	<b>241.00</b>	<b>241.00</b>	<b>241.00</b>	<b>241.00</b>	<b>241.00</b>						<b>241.00</b>	
ELI2013-000	82.00	82.00	82.00	82.00	82.00	82.00						82.00	
ELI2013-000	120.00	120.00	120.00	120.00	120.00	120.00						120.00	
ELI2013-000	39.00	39.00	39.00	39.00	39.00	39.00						39.00	
<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>22.00</b>						
ELM2013-000							22.00						
<b>ELM2013-012</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>	<b>3.00</b>	<b>3.00</b>	<b>5.00</b>	<b>3.00</b>	<b>5.00</b>	<b>3.00</b>	
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
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
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
<b>ELP2012-022</b>							<b>36.00</b>						
ELP2012-022 F							27.00						
ELP2012-022 G							9.00						

# Time Usage [hours] for Other Actions

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofarAN	lofarBN	lofarx	lofarsr	fiber BN--EF_	duty
-----------------	---------	-----	-----	-----	-----	---------	---------	---------	--------	---------	---------------	------





