

# Observing Plan for Station Control (LCU)

## MPIfR Effelsberg LOFAR Station

### 2014-01-14 through 2014-01-22

Date	UTC	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	
2014-01-14	Tu	ELP2014-000A Verbiest, Osowski																								
2014-01-15	We	ELP2014-000A Verbiest, Osowski								ELI2013-009F Serylak, Verbiest et al.																
2014-01-16	Th	ELI2013-009F Serylak, Verbiest et al.								*0	ELI2014-000 ILT Operations															
2014-01-17	Fr	ELI2014-000 ILT Operations																								
2014-01-18	Sa	ELI2014-000 ILT Operations																								
2014-01-19	Su	ELI2014-000 ILT Operations																								
2014-01-20	Mo	ELI2014-000 ILT Operations								*0	ELP2014-000A Verbiest, Osowski															
2014-01-21	Tu	ELP2014-000A Verbiest, Osowski																								
2014-01-22	We	ELP2014-000A Verbiest, Osowski																								

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 ELM2014-000 Kuniyoshi, Horneff

**Other Code Markers**

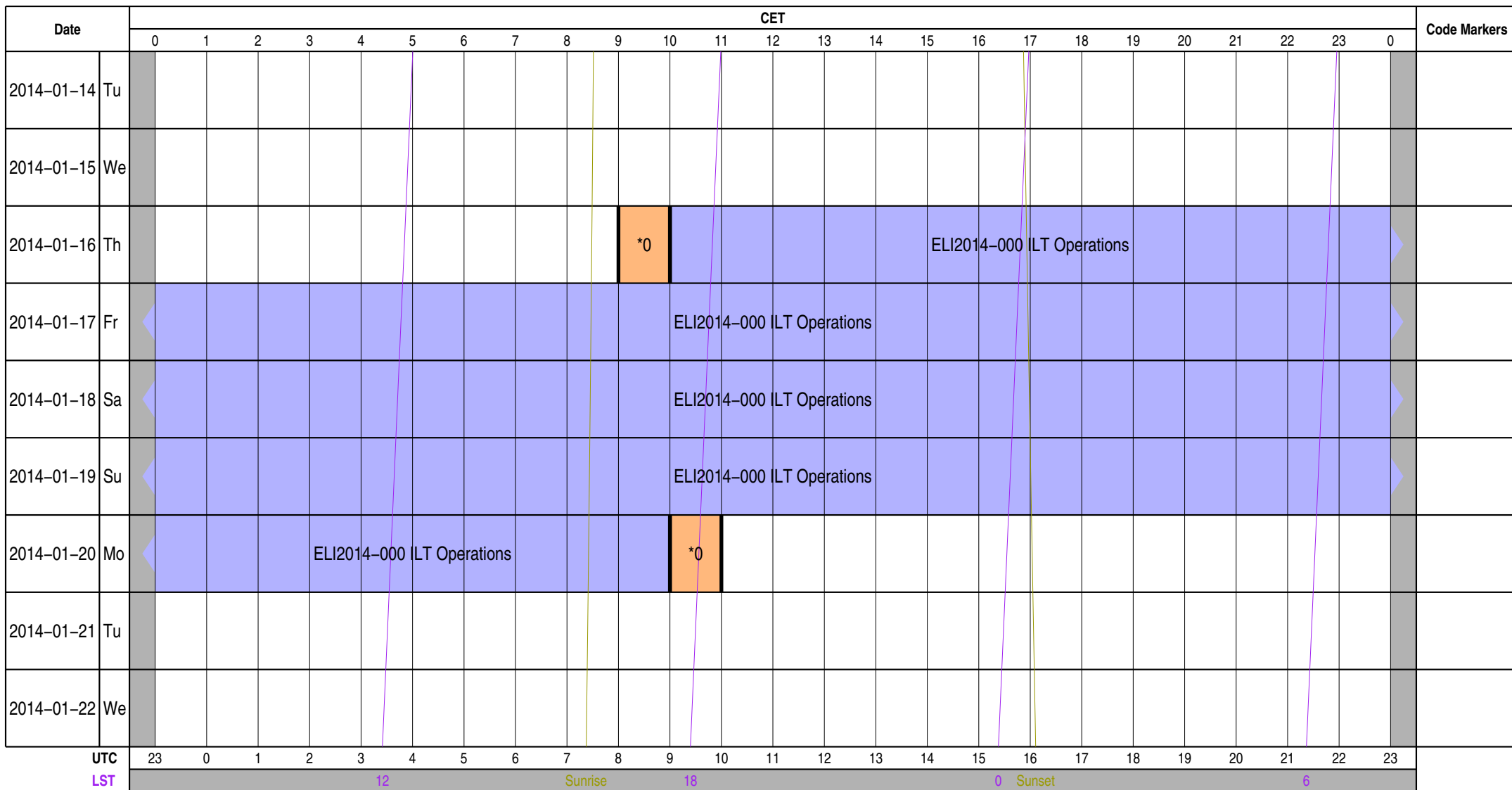
**Color Meanings**

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 Transient Buffer Boards

## MPIfR Effelsberg LOFAR Station

### 2014-01-14 through 2014-01-22



**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 HBA MPIfR Effelsberg LOFAR Station 2014-01-14 through 2014-01-22

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	UTC	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									
2014-01-14	Tu	ELP2014-000A Verbiest, Osowski																																		
2014-01-15	We	ELP2014-000A Verbiest, Osowski								ELI2013-009F Serylak, Verbiest et al.																										
2014-01-16	Th	ELI2013-009F Serylak, Verbiest et al.								*0	ELI2014-000 ILT Operations																									
2014-01-17	Fr	ELI2014-000 ILT Operations																																		
2014-01-18	Sa	ELI2014-000 ILT Operations																																		
2014-01-19	Su	ELI2014-000 ILT Operations																																		
2014-01-20	Mo	ELI2014-000 ILT Operations								*0	ELP2014-000A Verbiest, Osowski																									
2014-01-21	Tu	ELP2014-000A Verbiest, Osowski																																		
2014-01-22	We	ELP2014-000A Verbiest, Osowski																																		
	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 ELM2014-000 Kuniyoshi, Horneff

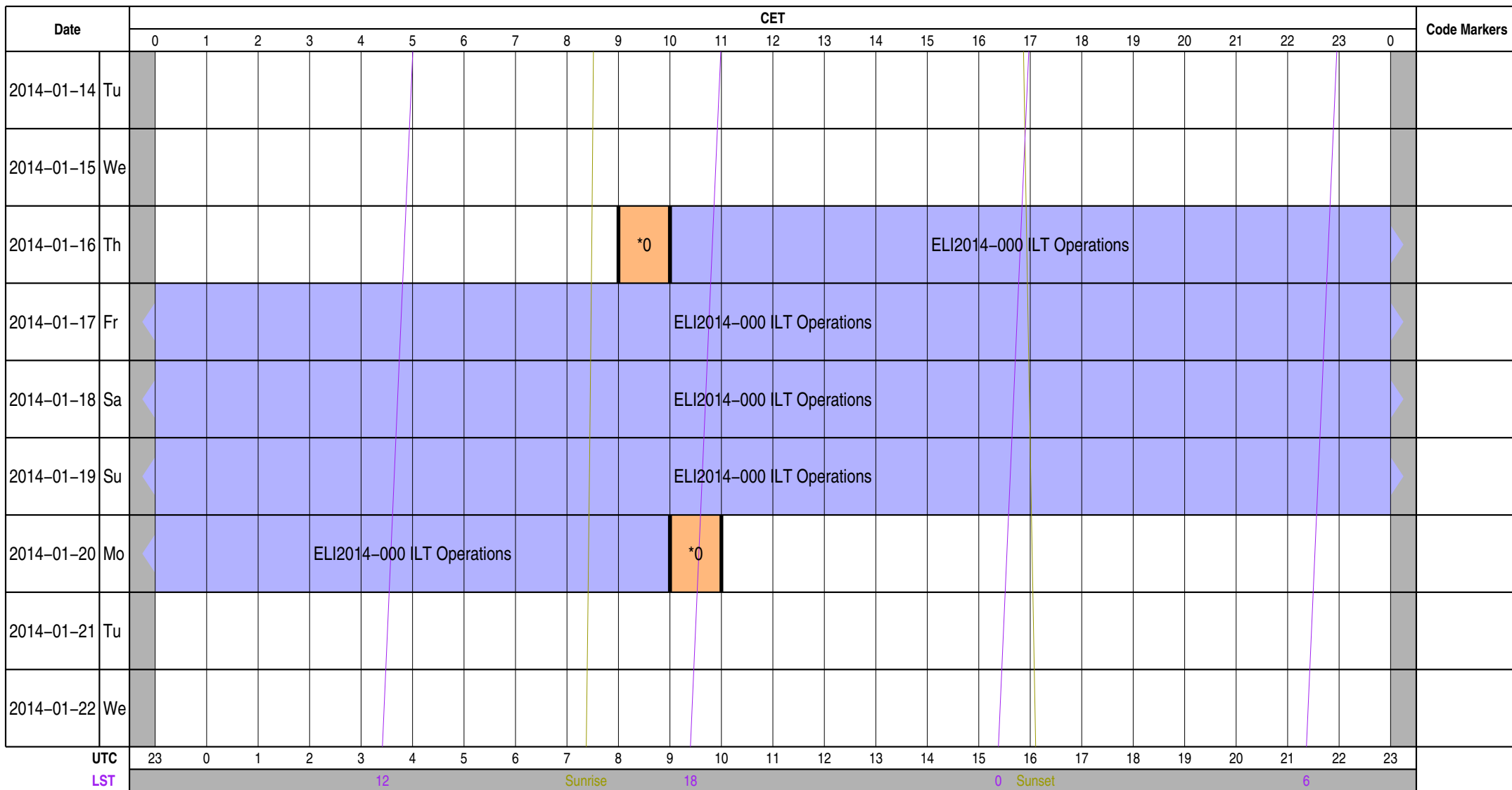
**Other Code Markers**

**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 Low Band High (LBA) MPIfR Effelsberg LOFAR Station 2014-01-14 through 2014-01-22

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**Normal Experiment Code Markers**

0 ELM2014-000 Kuniyoshi, Horneff

**Other Code Markers**

\*0

\*0

**Color Meanings**

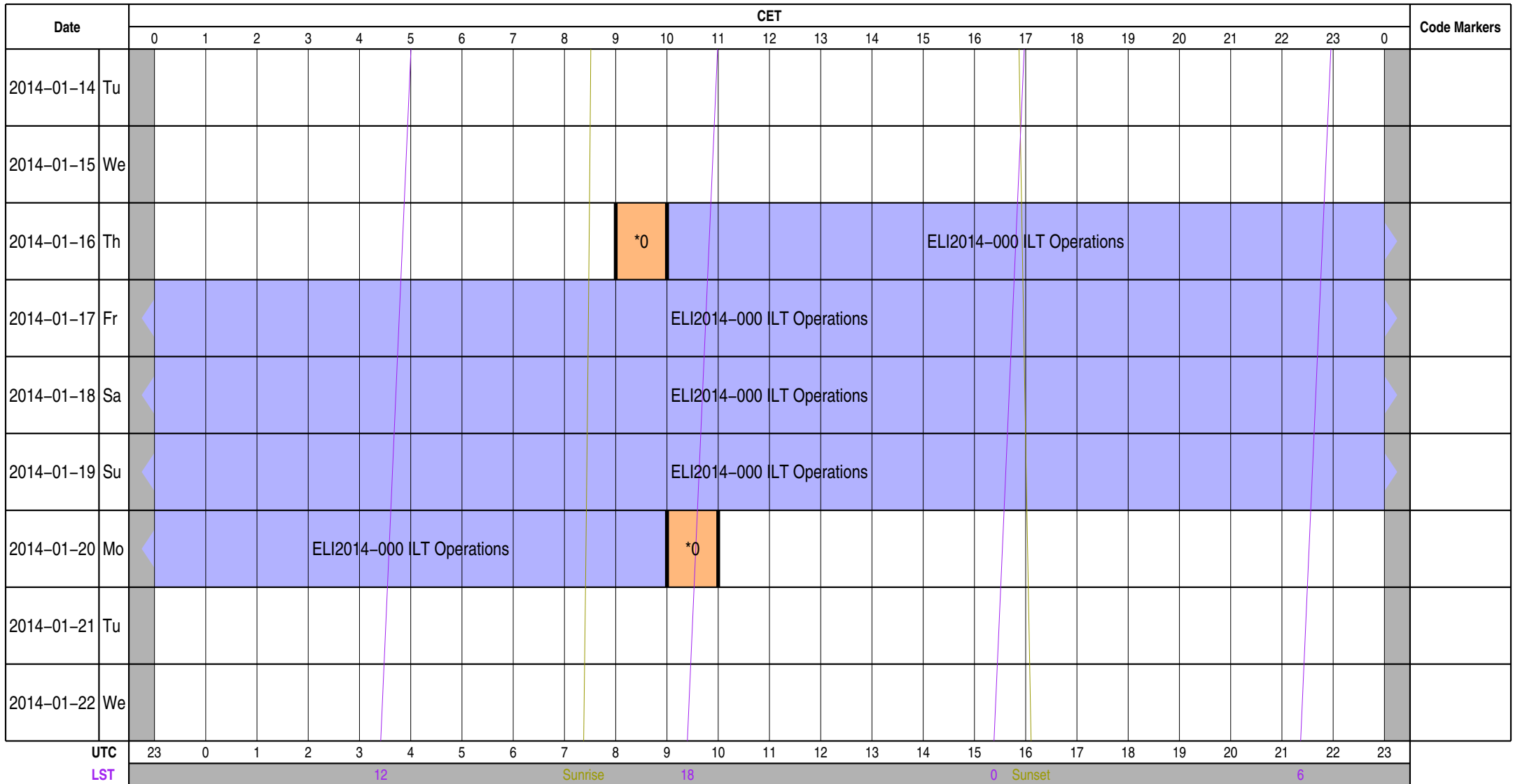
- |                           |                          |                   |                           |
|---------------------------|--------------------------|-------------------|---------------------------|
| Science A (Astrometry)    | Science O (Other)        | ILT Mode          | Piggyback Without 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 Low Band Low, Unused Inputs

## MPIfR Effelsberg LOFAR Station

### 2014-01-14 through 2014-01-22

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**Normal Experiment Code Markers**

0 ELM2014-000 Kuniyoshi, Horneff

**Other Code Markers**

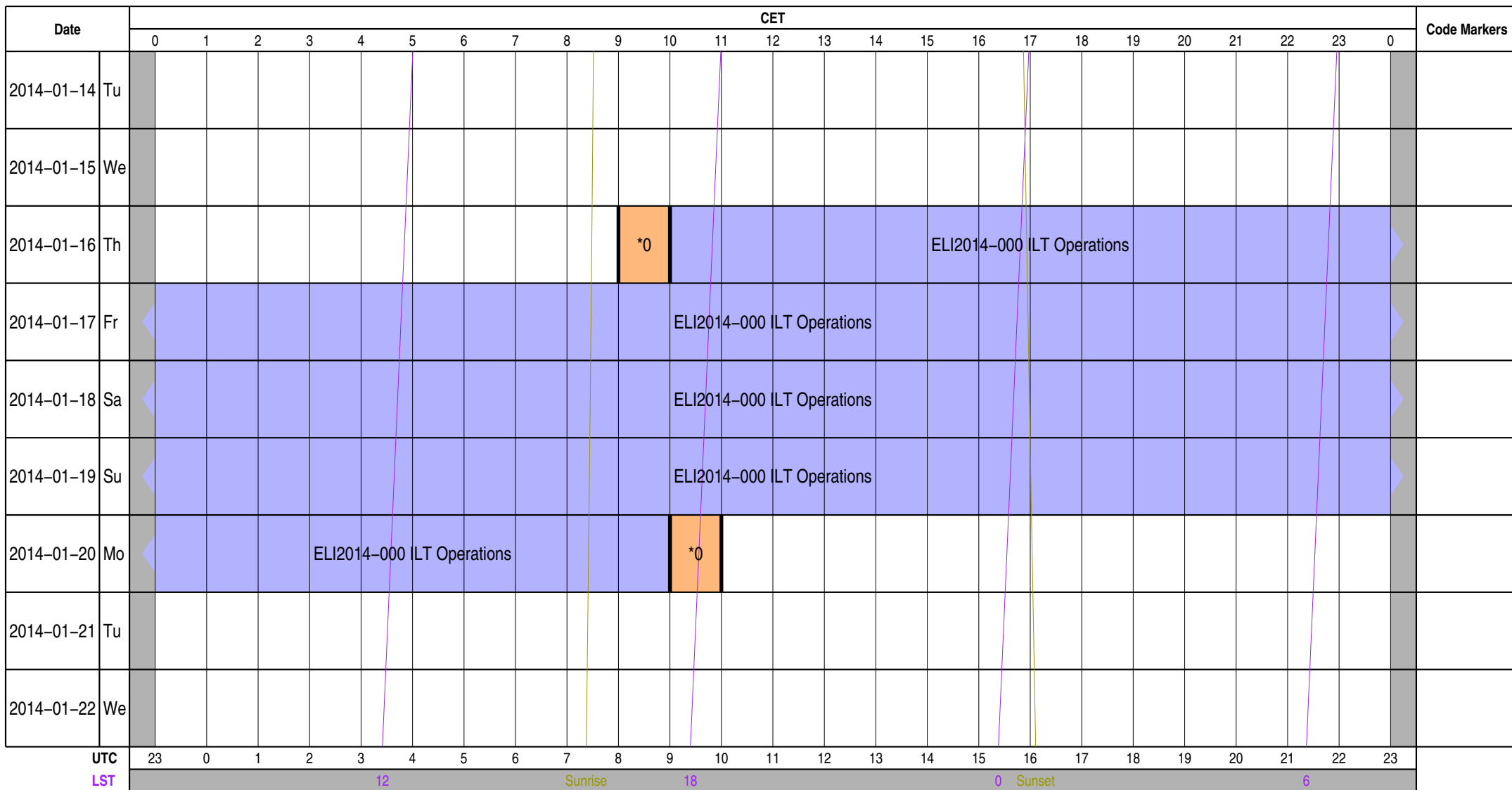
**Color Meanings**

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 Station Interferometer

## MPIfR Effelsberg LOFAR Station

### 2014-01-14 through 2014-01-22



**Normal Experiment Code Markers**

0 ELM2014-000 Kuniyoshi, Horneff

**Other Code Markers**

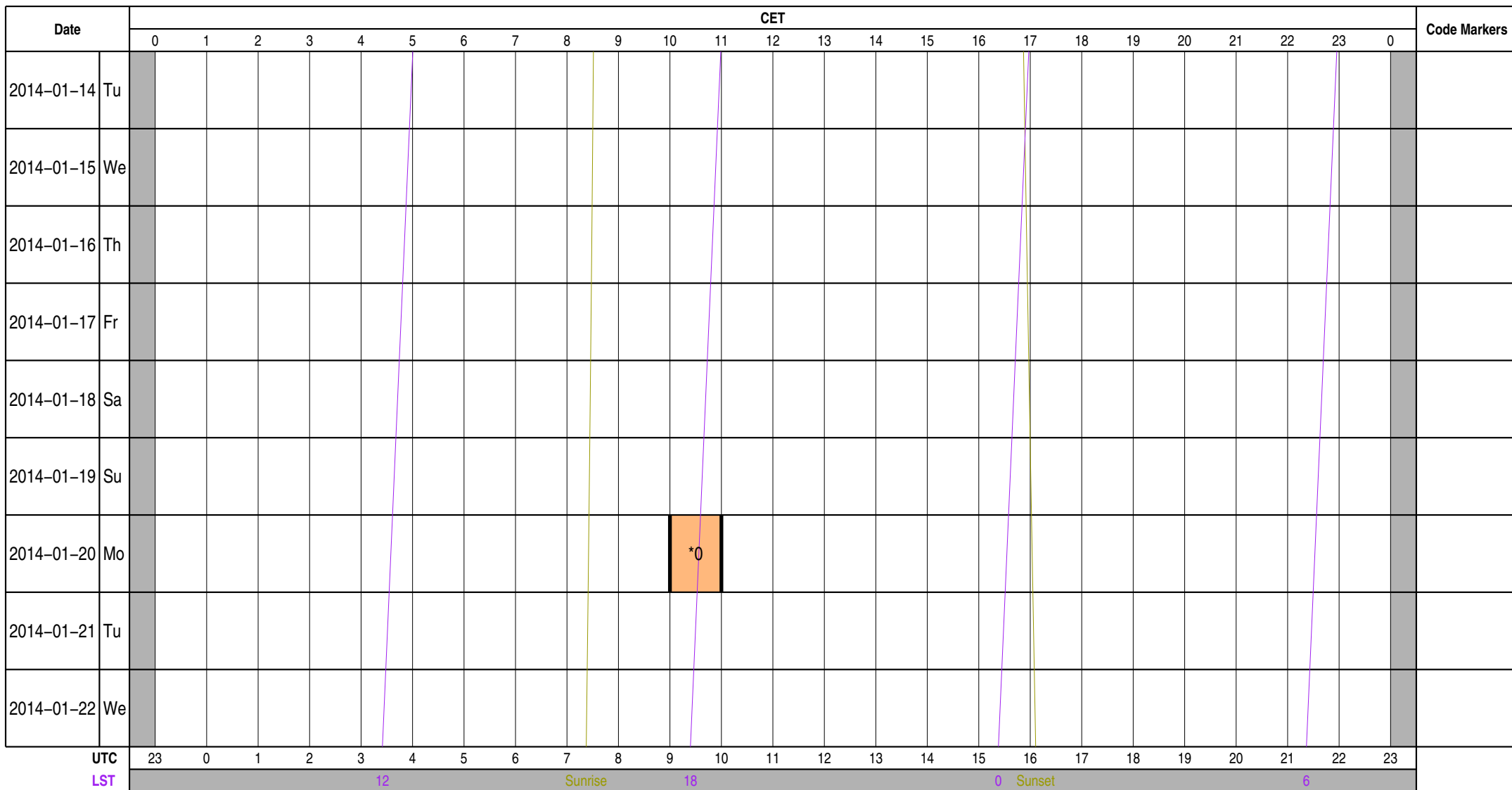
**Color Meanings**

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 IofarAN Computers

## MPIfR Effelsberg LOFAR Station

### 2014-01-14 through 2014-01-22



**Normal Experiment Code Markers**

0 ELM2014-000 Kuniyoshi, Horneff

**Other Code Markers**

**Color Meanings**

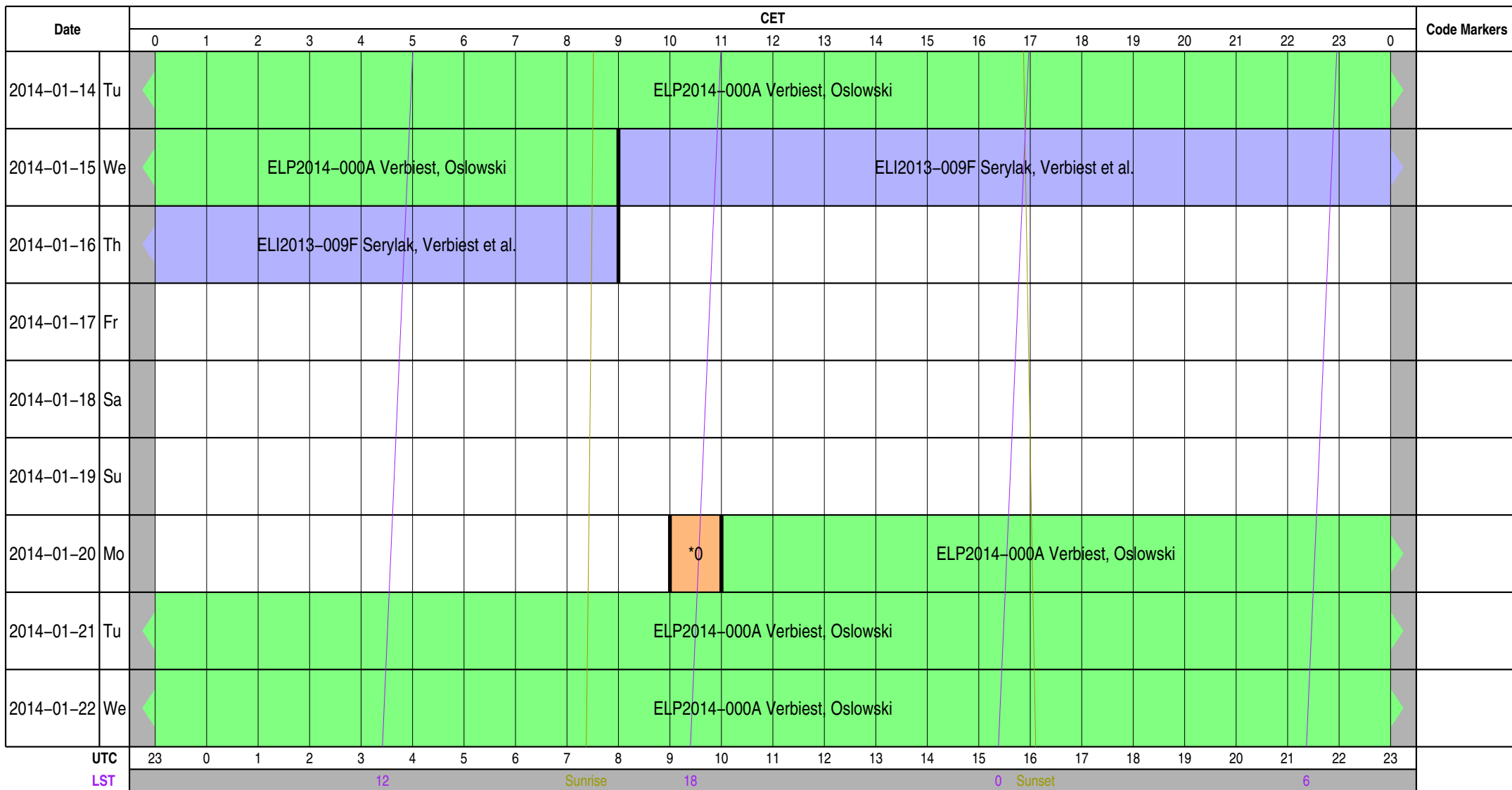
- |                           |                          |                   |                           |
|---------------------------|--------------------------|-------------------|---------------------------|
| Science A (Astrometry)    | Science O (Other)        | ILT Mode          | Piggyback Without 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 IofarBN Computers

## MPIfR Effelsberg LOFAR Station

### 2014-01-14 through 2014-01-22

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#### 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 lofarx Computer MPIfR Effelsberg LOFAR Station 2014-01-14 through 2014-01-22

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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		
2014-01-14 Tu	ELP2014-000A Verbiest, Oslowski																											
2014-01-15 We	ELP2014-000A Verbiest, Oslowski								ELI2013-009F Serylak, Verbiest et al.																			
2014-01-16 Th	ELI2013-009F Serylak, Verbiest et al.																											
2014-01-17 Fr																												
2014-01-18 Sa																												
2014-01-19 Su																												
2014-01-20 Mo										*0	ELP2014-000A Verbiest, Oslowski																	
2014-01-21 Tu	ELP2014-000A Verbiest, Oslowski																											
2014-01-22 We	ELP2014-000A Verbiest, Oslowski																											
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	Sunset						6	

**Normal Experiment Code Markers**

0 ELM2014-000 Kuniyoshi, Horneff

**Other Code Markers**

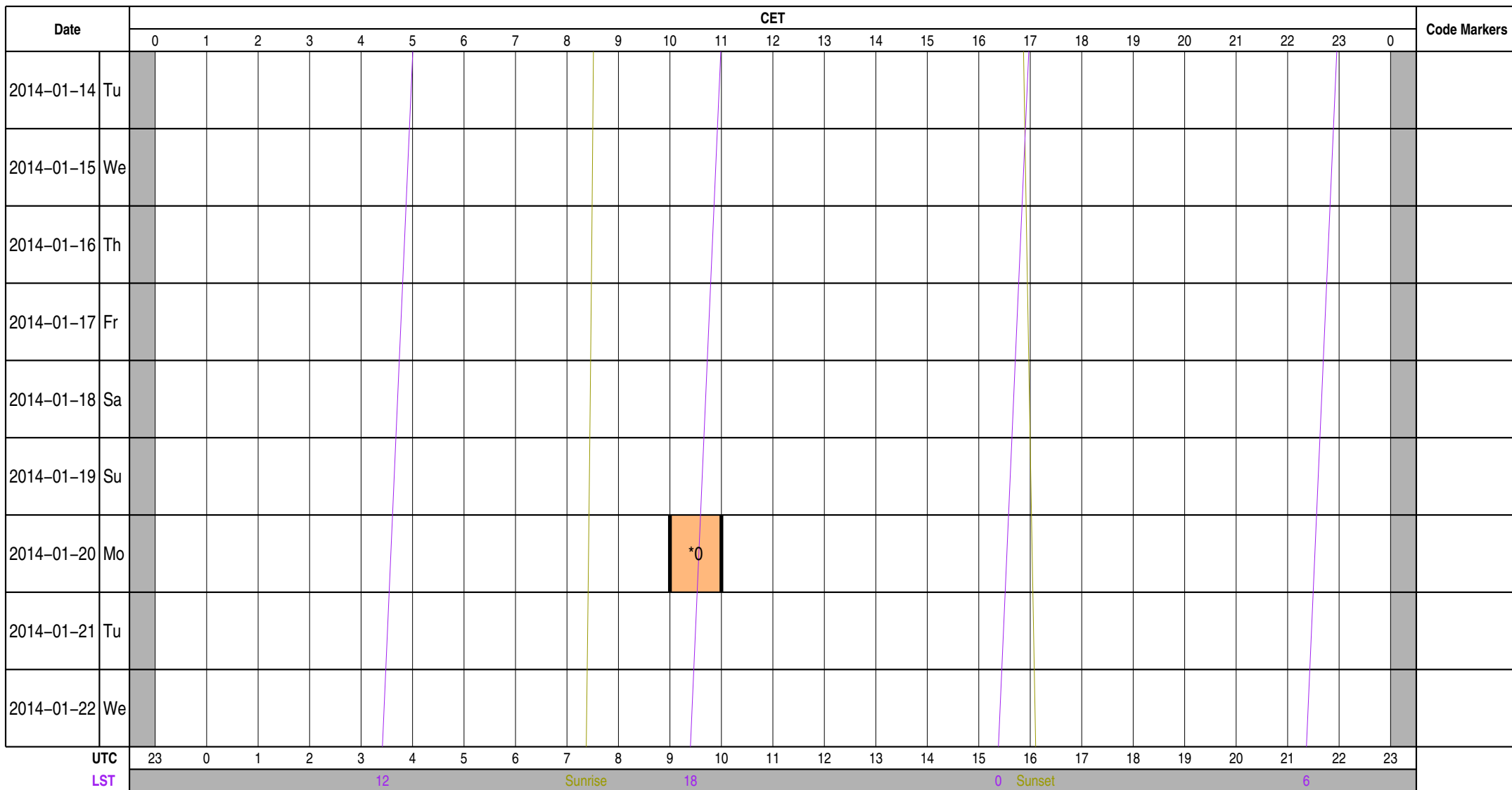
**Color Meanings**

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 Iofarsrv Computer

## MPIfR Effelsberg LOFAR Station

### 2014-01-14 through 2014-01-22



**Normal Experiment Code Markers**

0 ELM2014-000 Kuniyoshi, Horneff

**Other Code Markers**

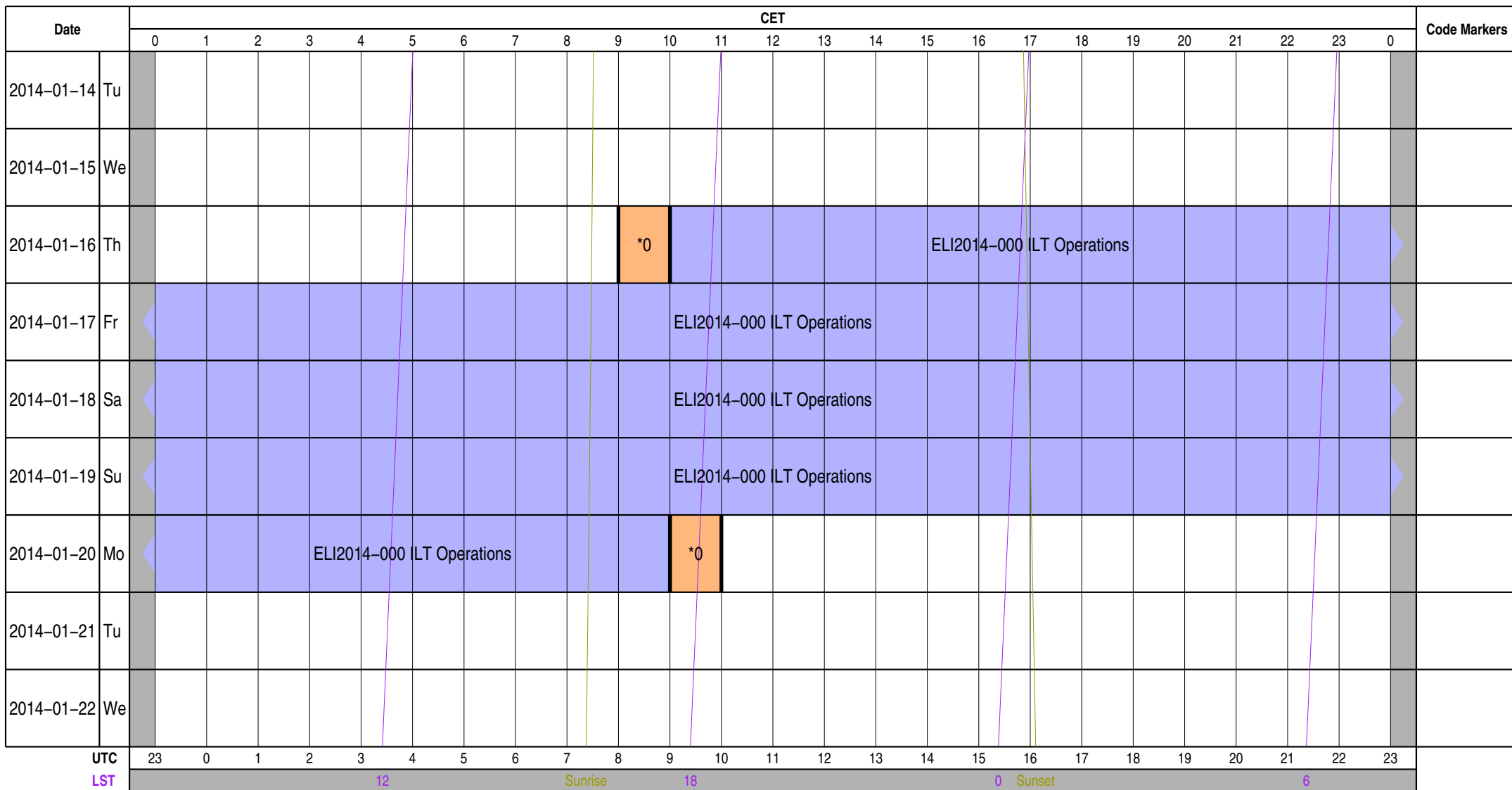
**Color Meanings**

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 LOFAR Fiber Connection

## MPIfR Effelsberg LOFAR Station

### 2014-01-14 through 2014-01-22



**Normal Experiment Code Markers**

0 ELM2014-000 Kuniyoshi, Horneff

**Other Code Markers**

**Color Meanings**

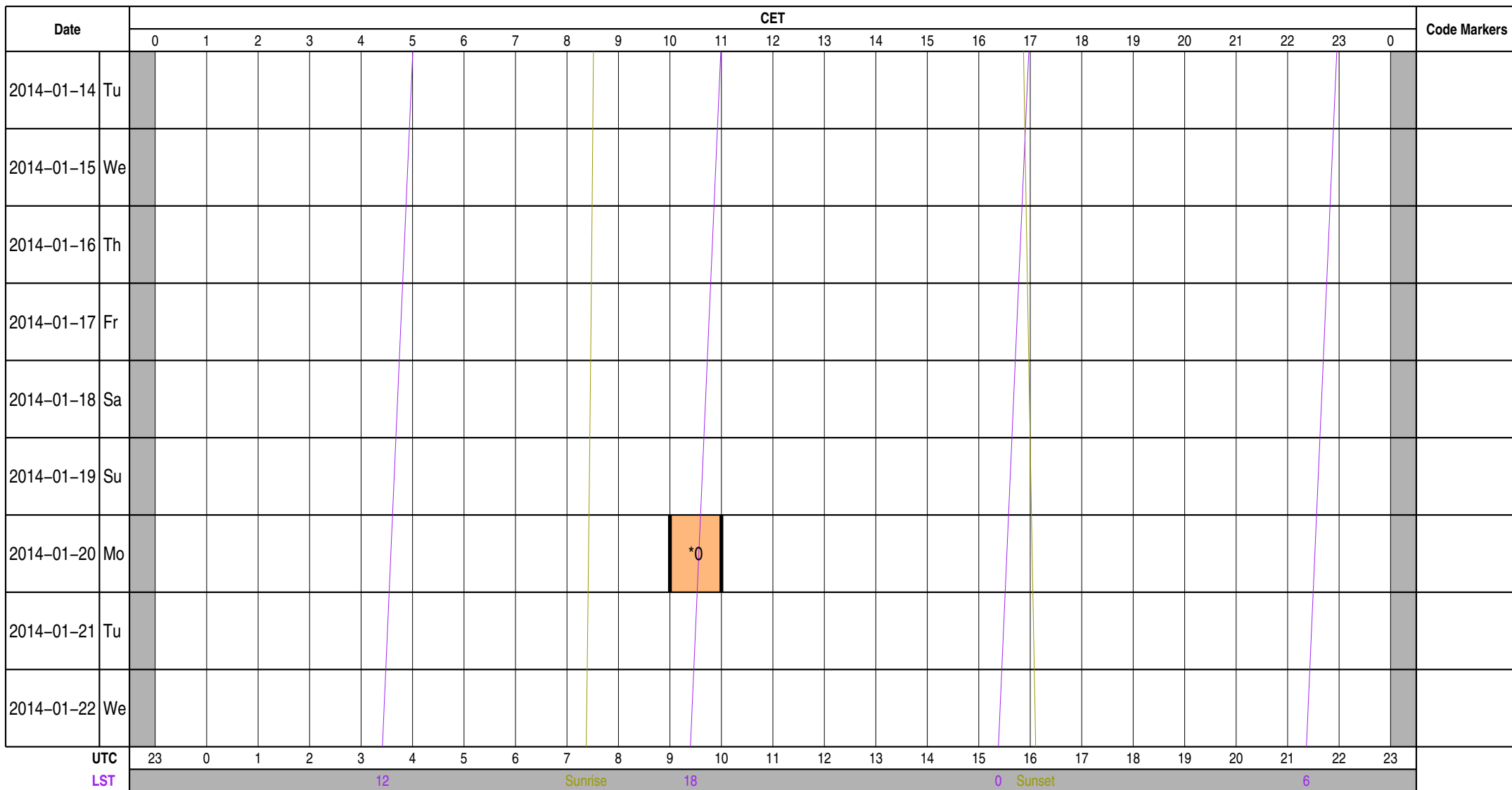
Science A (Astrometry)	Science O (Other)	ILT Mode	Piggyback Without Control
Science C (Cosmology)	Science P (Pulsar)	Effelsberg Mode	Experiment Warning
Science E (Extragalactic)	Science R (Cosmic Rays)	GLOW Mode	Override Possible
Science G (Galactic)	Science S (Solar System)	Juelich Mode	
Science H (Ionosphere)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

# Observing Plan for LOFAR Bonn--EF Fiber Connection

## MPIfR Effelsberg LOFAR Station

### 2014-01-14 through 2014-01-22

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#### Normal Experiment Code Markers

0 ELM2014-000 Kuniyoshi, Horneff

#### Other Code Markers

\*0

#### 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 Operator On-Duty

## MPIfR Effelsberg LOFAR Station

### 2014-01-14 through 2014-01-22

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	
2014-01-14 Tu																											
2014-01-15 We																											
2014-01-16 Th																											
2014-01-17 Fr																											
2014-01-18 Sa																											
2014-01-19 Su																											
2014-01-20 Mo																											
2014-01-21 Tu																											
2014-01-22 We																											

UTC 23
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21
22
23

LST 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>ELI2013-009</b>	<b>Serylak, Verbiest et al.</b>	<b>joris.verbiest@gmail.com</b>	<b>+49 521 106 3184</b>	<b>LC1_048 Studying Pulsars and the Interstellar Medium using</b>
ELI2013-009 F	Serylak, Verbiest et al.	joris.verbiest@gmail.com	+49 521 106 3184	LC1_048 Studying Pulsars and the Interstellar Medium using
<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
<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)
<b>ELP2014-000</b>	<b>Verbiest, Osowski</b>	<b>joris.verbiest@gmail.com</b>	<b>+49 521 106 3184</b>	<b>Generig Long Term Pulsar Monitoring</b>
ELP2014-000 A	Verbiest, Osowski	joris.verbiest@gmail.com	+49 521 106 3184	Generig Long Term Pulsar Monitoring
ELP2014-000 A	Verbiest, Osowski	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



## Time Usage [hours] for Normal Observations

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF_	duty
<b>ELI2013-009</b>	<b>24.00</b>		<b>24.00</b>					<b>24.00</b>	<b>24.00</b>				
ELI2013-009 F	24.00		24.00					24.00	24.00				
<b>ELI2014-000</b>	<b>96.00</b>	<b>96.00</b>	<b>96.00</b>	<b>96.00</b>	<b>96.00</b>	<b>96.00</b>						<b>96.00</b>	
ELI2014-000	96.00	96.00	96.00	96.00	96.00	96.00						96.00	
<b>ELM2014-000</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>2.00</b>	<b>1.00</b>	
ELM2014-000	1.00	1.00	1.00	1.00	1.00	1.00					1.00		
ELM2014-000	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>ELP2014-000</b>	<b>94.00</b>		<b>94.00</b>					<b>94.00</b>	<b>94.00</b>				
ELP2014-000 A	33.00		33.00					33.00	33.00				
ELP2014-000 A	61.00		61.00					61.00	61.00				

# Time Usage [hours] for Other Actions

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF_	duty
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# Time Usage [hours] for Operator On-Duty Schedule

Experiment Code

station

TBB

HBA

LBH

LBL

interfe

lofarAN

lofarBN

lofarx

lofarsr

fiber

BN--EF\_

duty



