

# Observing Plan for Station Control (LCU)

## MPIfR Effelsberg LOFAR Station

### 2013-10-01 through 2013-10-09

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	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
2013-10-01 Tu	ELP2012-022AN Verbiest																									
2013-10-02 We	ELP2012-022AN Verbiest										*0	ELI2013-000 ILT Operations														
2013-10-03 Th															ELI2013-000 ILT Operations											
2013-10-04 Fr															ELI2013-000 ILT Operations											
2013-10-05 Sa															ELI2013-000 ILT Operations											
2013-10-06 Su															ELI2013-000 ILT Operations											
2013-10-07 Mo															ELI2013-000 ILT Operations											
2013-10-08 Tu	ELI2013-000 ILT Operations										*0	ELP2012-022AN Verbiest														
2013-10-09 We	ELP2012-022AN Verbiest																									

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						6	Sunrise				12							18	Sunset					

#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

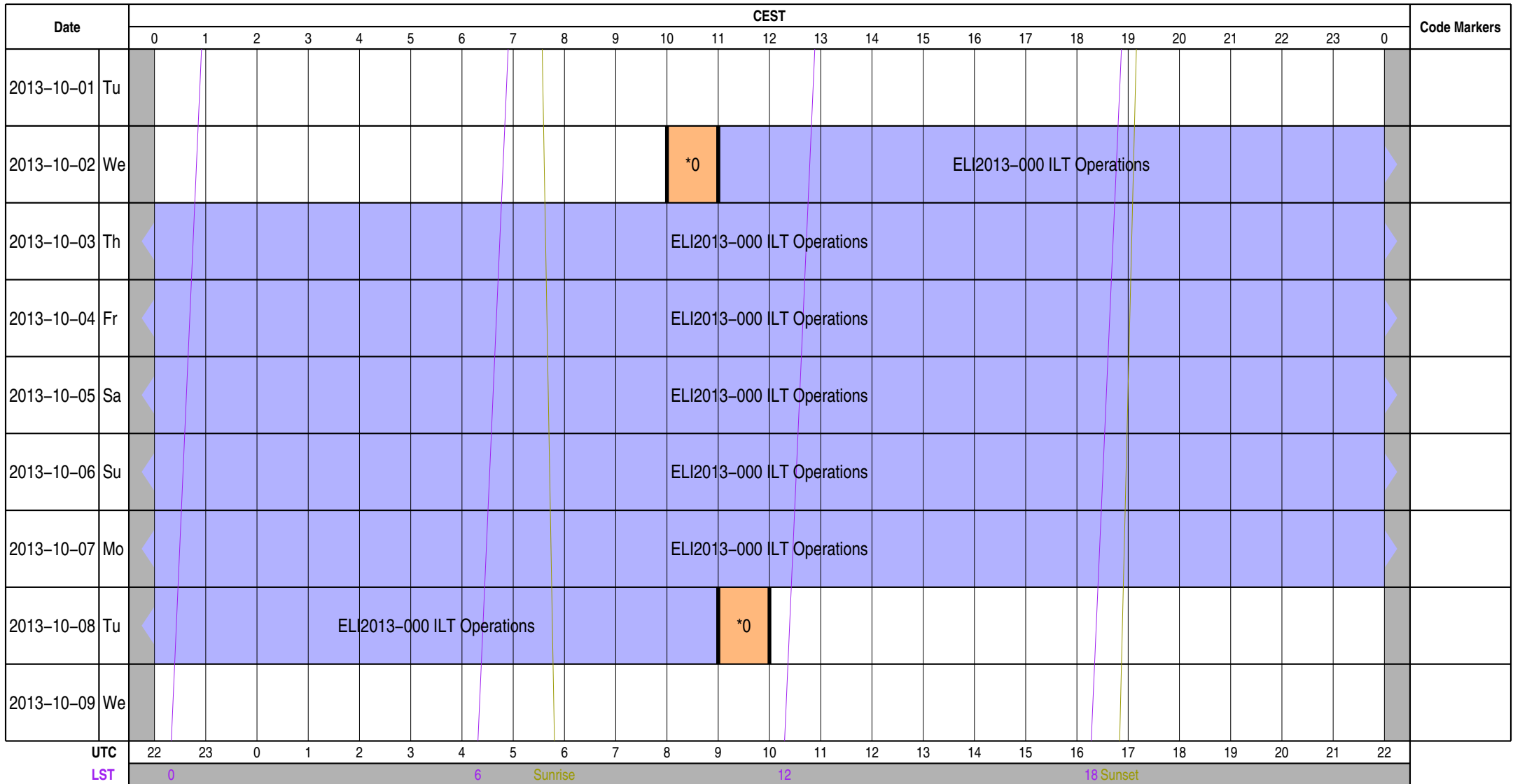
#### Color Meanings

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

### 2013-10-01 through 2013-10-09



**Normal Experiment Code Markers**

0 ELM2013-012 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 2013-10-01 through 2013-10-09

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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	
2013-10-01	Tu	ELP2012-022AN Verbiest																								
2013-10-02	We	ELP2012-022AN Verbiest										*0	ELI2013-000 ILT Operations													
2013-10-03	Th											ELI2013-000 ILT Operations														
2013-10-04	Fr											ELI2013-000 ILT Operations														
2013-10-05	Sa											ELI2013-000 ILT Operations														
2013-10-06	Su											ELI2013-000 ILT Operations														
2013-10-07	Mo											ELI2013-000 ILT Operations														
2013-10-08	Tu	ELI2013-000 ILT Operations										*0	ELP2012-022AN Verbiest													
2013-10-09	We	ELP2012-022AN Verbiest																								

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							6	Sunrise				12							18	Sunset				

**Normal Experiment Code Markers**

0 ELM2013-012 Kuniyoshi, Horneff

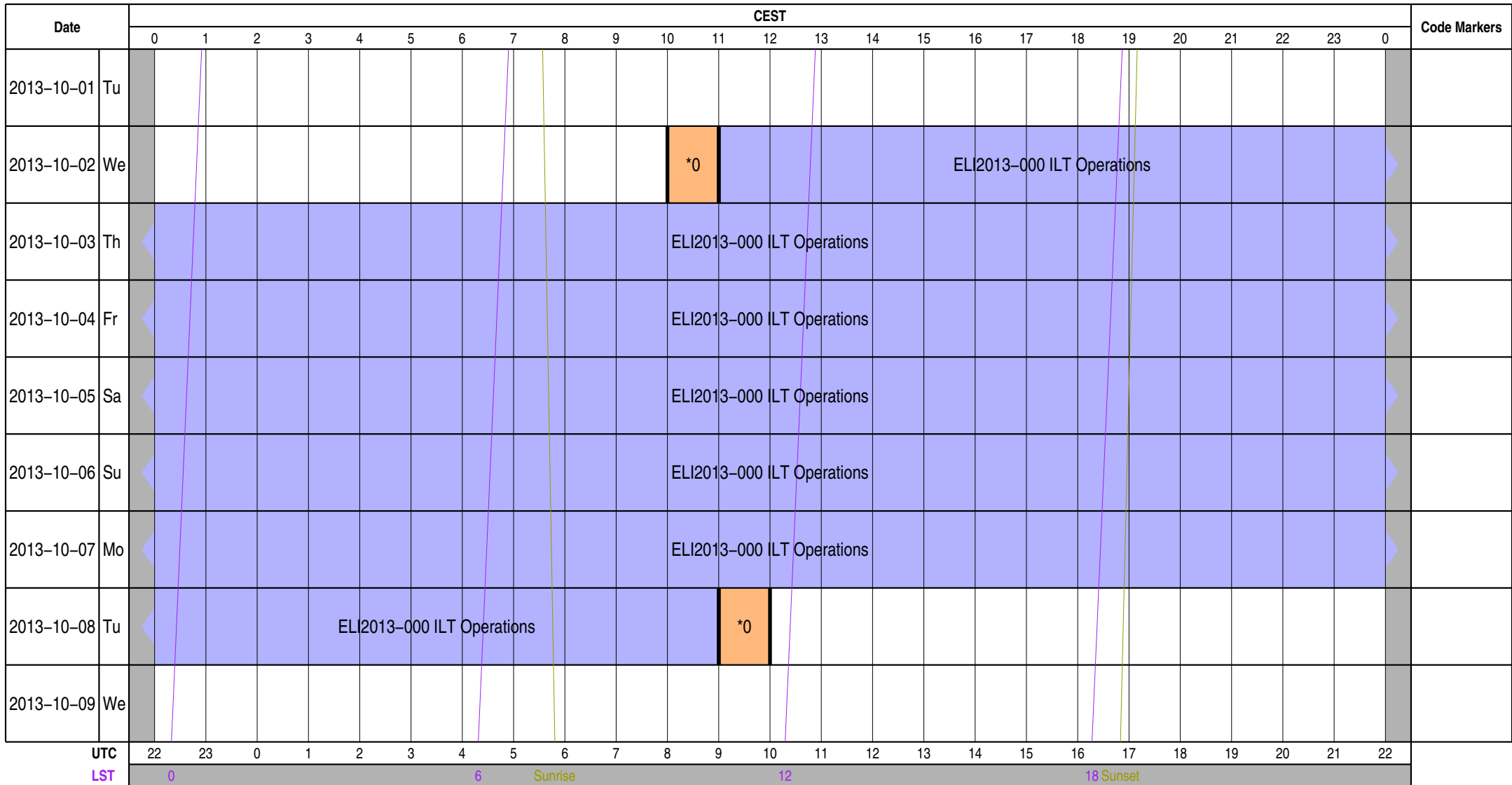
**Other Code Markers**

**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 2013-10-01 through 2013-10-09

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**Normal Experiment Code Markers**

0 ELM2013-012 Kuniyoshi, Horneff

**Other Code Markers**

**Color Meanings**

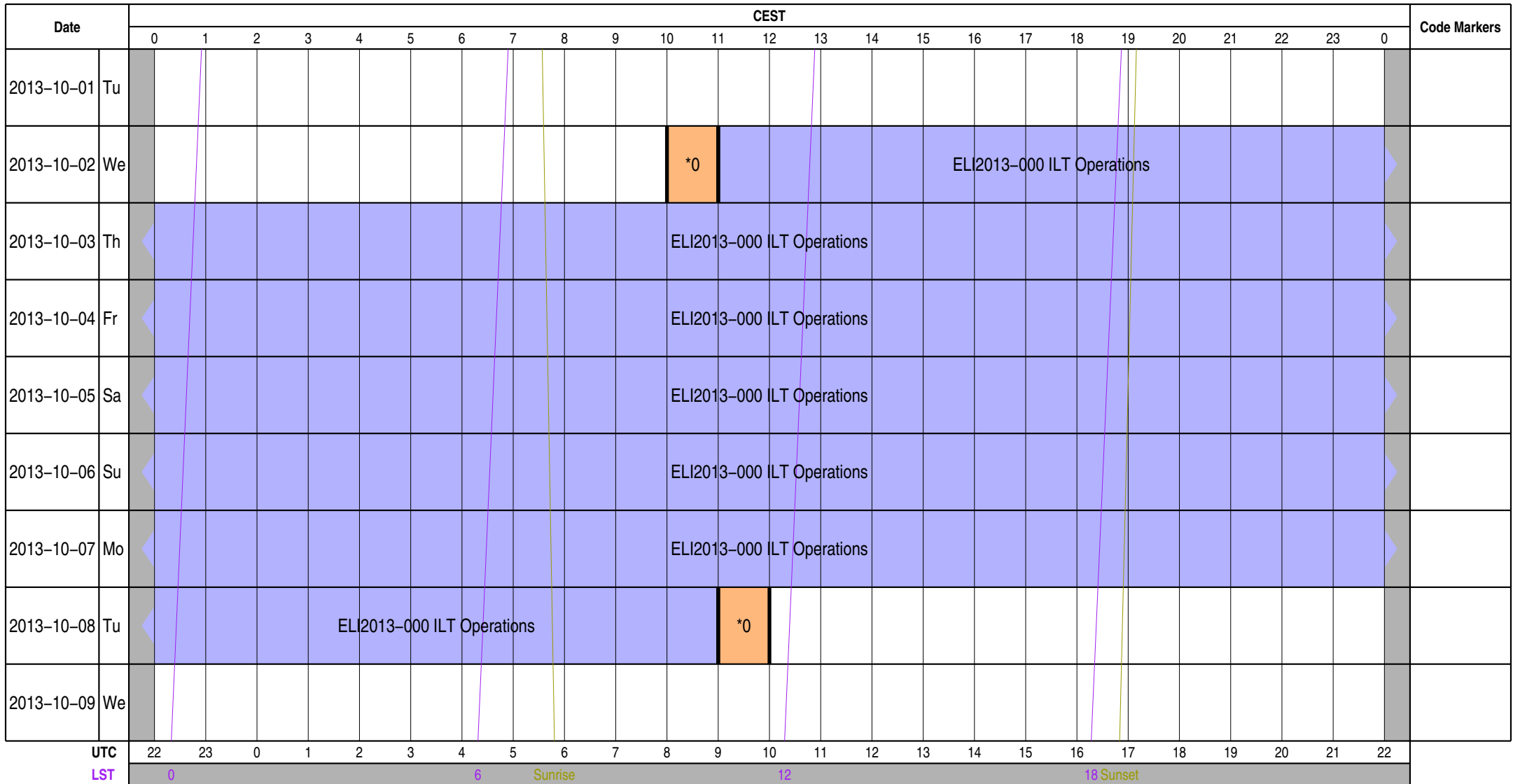
Science A (Astrometry)	Science O (Other)	ILT Mode	Piggyback Without Control
Science C (Cosmology)	Science P (Pulsar)	Effelsberg Mode	Experiment Warning
Science E (Extragalactic)	Science R (Cosmic Rays)	GLOW Mode	Override Possible
Science G (Galactic)	Science S (Solar System)	Juelich Mode	
Science H (Ionosphere)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

# Observing Plan for Low Band Low, Unused Inputs

## MPIfR Effelsberg LOFAR Station

### 2013-10-01 through 2013-10-09

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#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

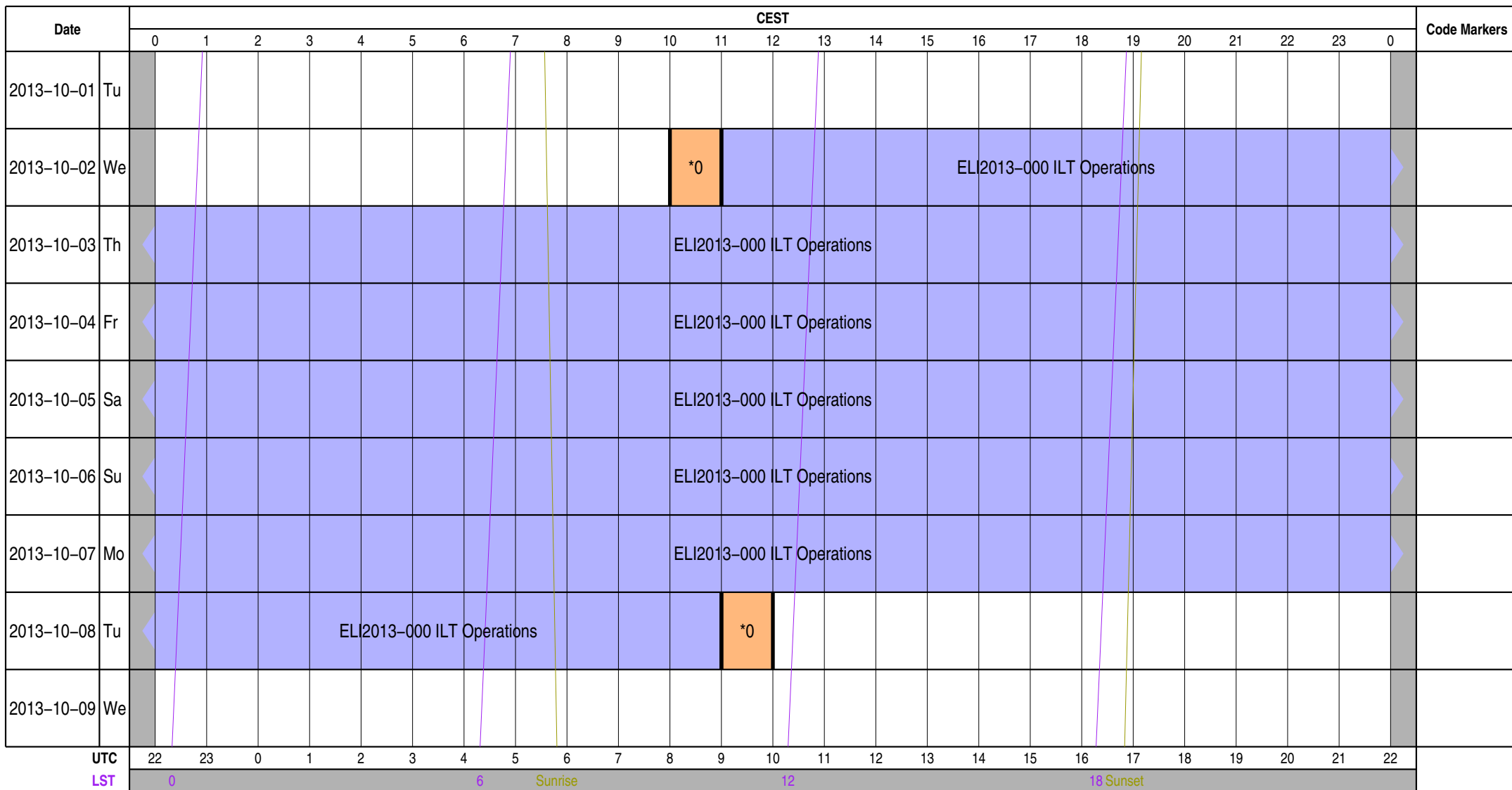
#### Color Meanings

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

### 2013-10-01 through 2013-10-09



**Normal Experiment Code Markers**

0 ELM2013-012 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

### 2013-10-01 through 2013-10-09

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	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	
2013-10-01	Tu																										
2013-10-02	We																										
2013-10-03	Th																										
2013-10-04	Fr																										
2013-10-05	Sa																										
2013-10-06	Su																										
2013-10-07	Mo																										
2013-10-08	Tu																										
2013-10-09	We																										

**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 6 Sunrise 12 18 Sunset

**Normal Experiment Code Markers**

0 ELM2013-012 Kuniyoshi, Horneff

**Other Code Markers**

\*0

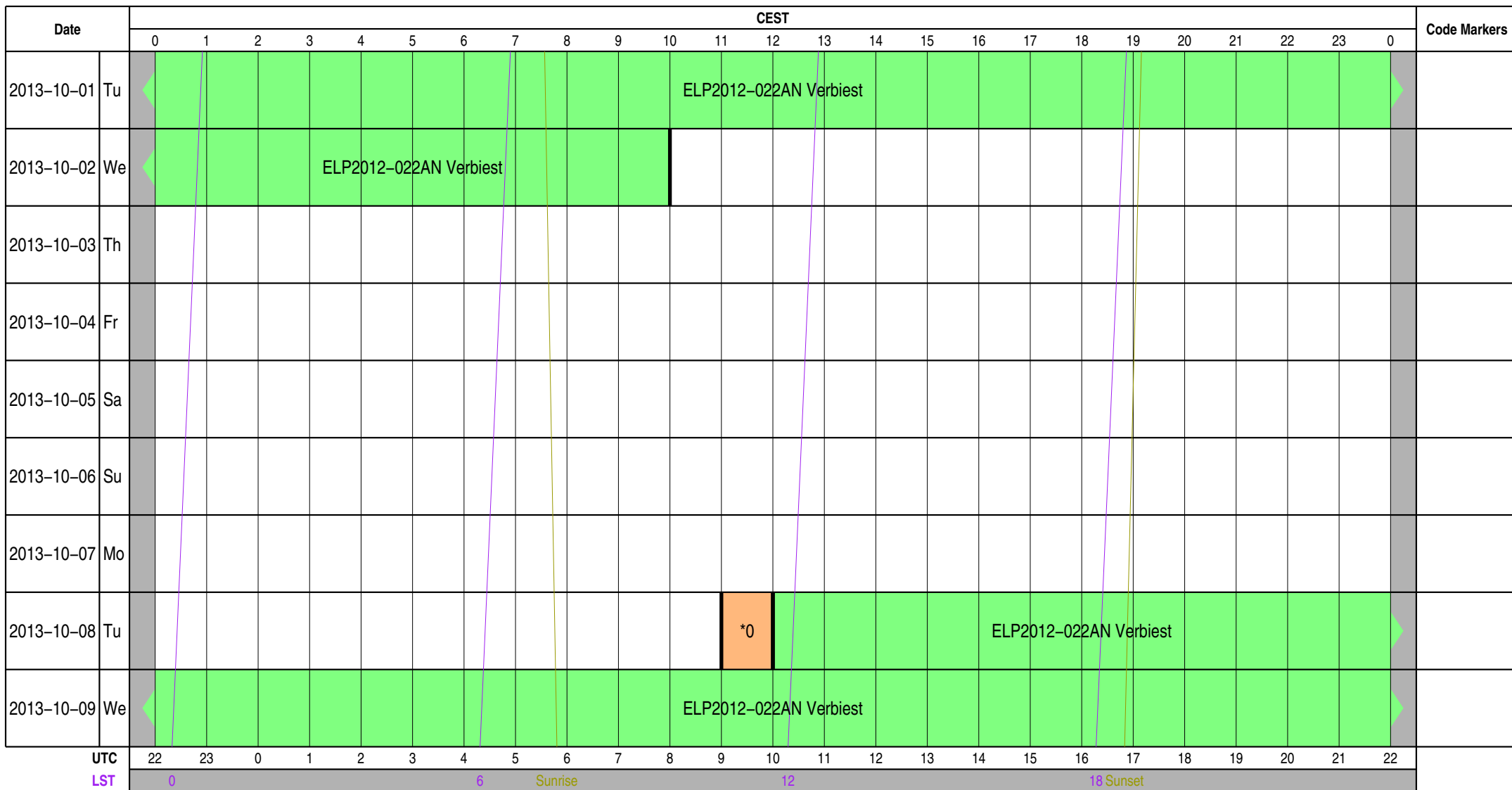
**Color Meanings**

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 IofarBN Computers

## MPIfR Effelsberg LOFAR Station

### 2013-10-01 through 2013-10-09



**Normal Experiment Code Markers**

0 ELM2013-012 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 Iofarx Computer MPIfR Effelsberg LOFAR Station 2013-10-01 through 2013-10-09

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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
2013-10-01 Tu	ELP2012-022AN Verbiest																									
2013-10-02 We	ELP2012-022AN Verbiest										*0															
2013-10-03 Th																										
2013-10-04 Fr																										
2013-10-05 Sa																										
2013-10-06 Su																										
2013-10-07 Mo																										
2013-10-08 Tu											*0	ELP2012-022AN Verbiest														
2013-10-09 We	ELP2012-022AN Verbiest																									

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 6 Sunrise 12 18 Sunset

### Normal Experiment Code Markers

0 ELM2013-012 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

### 2013-10-01 through 2013-10-09

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	
2013-10-01	Tu																										
2013-10-02	We																										
2013-10-03	Th																										
2013-10-04	Fr																										
2013-10-05	Sa																										
2013-10-06	Su																										
2013-10-07	Mo																										
2013-10-08	Tu																										
2013-10-09	We																										
	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							6	Sunrise				12						18	Sunset						

**Normal Experiment Code Markers**

0 ELM2013-012 Kuniyoshi, Horneff

**Other Code Markers**

\*0

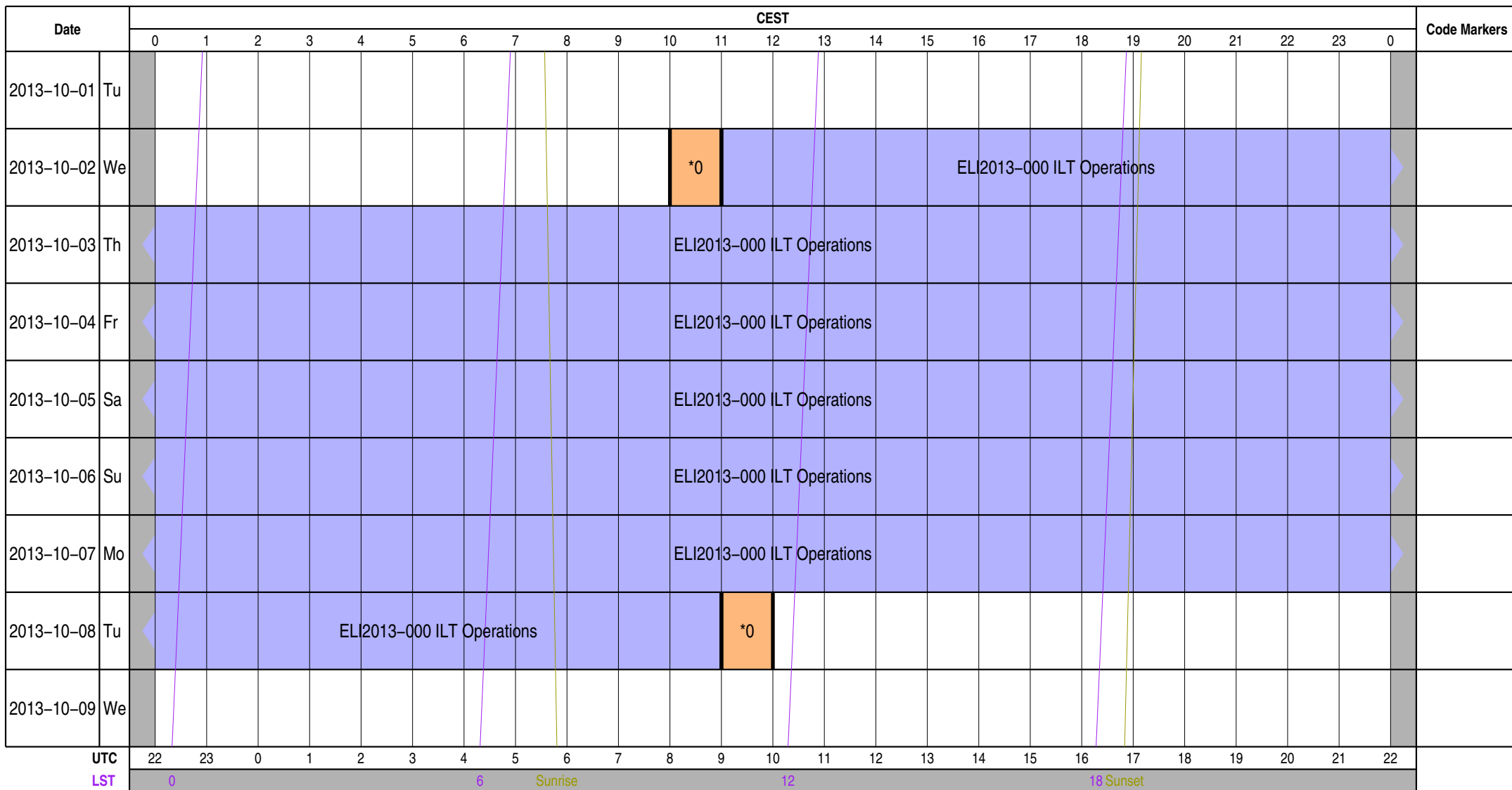
**Color Meanings**

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 LOFAR Fiber Connection

## MPIfR Effelsberg LOFAR Station

### 2013-10-01 through 2013-10-09



**Normal Experiment Code Markers**

0 ELM2013-012 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

### 2013-10-01 through 2013-10-09

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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
2013-10-01	Tu																									
2013-10-02	We																									
2013-10-03	Th																									
2013-10-04	Fr																									
2013-10-05	Sa																									
2013-10-06	Su																									
2013-10-07	Mo																									
2013-10-08	Tu																									
2013-10-09	We																									

**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 6 Sunrise 12 18 Sunset

**Normal Experiment Code Markers**

0 ELM2013-012 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	

Version: draft  
 Creation Date: 2013-10-14T08:34:09.770339Z  
 Operator Telephone: +49 2257 301 155  
 Web Page: [https://deki.mpifr-bonn.mpg.de/Cooperations/LOFAR/Effelsberg\\_LOFAR\\_Schedule](https://deki.mpifr-bonn.mpg.de/Cooperations/LOFAR/Effelsberg_LOFAR_Schedule)

# Observing Plan for Operator On-Duty

## MPIfR Effelsberg LOFAR Station

### 2013-10-01 through 2013-10-09

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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
2013-10-01	Tu																									
2013-10-02	We																									
2013-10-03	Th																									
2013-10-04	Fr																									
2013-10-05	Sa																									
2013-10-06	Su																									
2013-10-07	Mo																									
2013-10-08	Tu																									
2013-10-09	We																									

<b>UTC</b>	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
<b>LST</b>	0						6	Sunrise					12							18	Sunset				

**Normal Experiment Code Markers**

**Other Code Markers**

**Color Meanings**

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

## Experiment Information for Normal Observations

<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
<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)
<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 AN	Verbiest	verbiest@mpi-fr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022 AN	Verbiest	verbiest@mpi-fr-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



## Time Usage [hours] for Normal Observations

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF_	duty
<b>ELI2013-000</b>	<b>144.00</b>	<b>144.00</b>	<b>144.00</b>	<b>144.00</b>	<b>144.00</b>	<b>144.00</b>					<b>144.00</b>		
ELI2013-000	144.00	144.00	144.00	144.00	144.00	144.00					144.00		
<b>ELM2013-012</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>2.00</b>	<b>1.00</b>	<b>2.00</b>	<b>1.00</b>	
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	
<b>ELP2012-022</b>	<b>70.00</b>		<b>70.00</b>					<b>70.00</b>	<b>70.00</b>				
ELP2012-022 AN	34.00		34.00					34.00	34.00				
ELP2012-022 AN	36.00		36.00					36.00	36.00				

# 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



