

# Observing Plan for Station Control (LCU)

## MPIfR Effelsberg LOFAR Station

### 2013-06-23 through 2013-07-06

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	
2013-06-23 Su	ELI2013-000 ILT Operations																								
2013-06-24 Mo	ELI2013-000 ILT Operations									*0	ELI2013-007M Koehler et al.														
2013-06-25 Tu	ELI2013-007M Koehler et al.									ELM2013-020A Anderson, Horneffer						ELM2013-020B Anderson, Horneffer									
2013-06-26 We	ELM2013-020B Anderson, Horneffer															*0	ELP2012-022AC Verbiest								
2013-06-27 Th	ELP2012-022AC Verbiest									*0	ELI2013-000 ILT Operations														
2013-06-28 Fr	ELI2013-000 ILT Operations																								
2013-06-29 Sa	ELI2013-000 ILT Operations																								
2013-06-30 Su	ELI2013-000 ILT Operations																								
2013-07-01 Mo	ELI2013-000 ILT Operations									*0															
2013-07-02 Tu																									
2013-07-03 We										*0	ELI2013-000 ILT Operations														
2013-07-04 Th	ELI2013-000 ILT Operations																								
2013-07-05 Fr	ELI2013-000 ILT Operations																								
2013-07-06 Sa	ELI2013-000 ILT Operations																								
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	18													6						12					
						Sunrise	0															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

### 2013-06-23 through 2013-07-06

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	
2013-06-23 Su	ELI2013-000 ILT Operations																								
2013-06-24 Mo	ELI2013-000 ILT Operations									*0	ELI2013-007M Koehler et al.														
2013-06-25 Tu	ELI2013-007M Koehler et al.									ELM2013-020A Anderson, Horneffer						ELM2013-020B Anderson, Horneffer									
2013-06-26 We	ELM2013-020B Anderson, Horneffer										*0														
2013-06-27 Th										*0	ELI2013-000 ILT Operations														
2013-06-28 Fr											ELI2013-000 ILT Operations														
2013-06-29 Sa											ELI2013-000 ILT Operations														
2013-06-30 Su											ELI2013-000 ILT Operations														
2013-07-01 Mo	ELI2013-000 ILT Operations									*0															
2013-07-02 Tu																									
2013-07-03 We										*0	ELI2013-000 ILT Operations														
2013-07-04 Th											ELI2013-000 ILT Operations														
2013-07-05 Fr											ELI2013-000 ILT Operations														
2013-07-06 Sa											ELI2013-000 ILT Operations														
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	18													6						12					
						Sunrise	0																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 HBA MPIfR Effelsberg LOFAR Station 2013-06-23 through 2013-07-06

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	
2013-06-23 Su	ELI2013-000 ILT Operations																								
2013-06-24 Mo	ELI2013-000 ILT Operations									*0	ELI2013-007M Koehler et al.														
2013-06-25 Tu	ELI2013-007M Koehler et al.									ELM2013-020A Anderson, Horneffer						ELM2013-020B Anderson, Horneffer									
2013-06-26 We	ELM2013-020B Anderson, Horneffer															*0	ELP2012-022AC Verbiest								
2013-06-27 Th	ELP2012-022AC Verbiest									*0	ELI2013-000 ILT Operations														
2013-06-28 Fr											ELI2013-000 ILT Operations														
2013-06-29 Sa											ELI2013-000 ILT Operations														
2013-06-30 Su											ELI2013-000 ILT Operations														
2013-07-01 Mo	ELI2013-000 ILT Operations									*0															
2013-07-02 Tu																									
2013-07-03 We										*0	ELI2013-000 ILT Operations														
2013-07-04 Th											ELI2013-000 ILT Operations														
2013-07-05 Fr											ELI2013-000 ILT Operations														
2013-07-06 Sa											ELI2013-000 ILT Operations														
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	18					Sunrise	0						6							12		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 2013-06-23 through 2013-07-06

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
2013-06-23 Su	ELI2013-000 ILT Operations																									
2013-06-24 Mo	ELI2013-000 ILT Operations									*0	ELI2013-007M Koehler et al.															
2013-06-25 Tu	ELI2013-007M Koehler et al.									ELM2013-020A Anderson, Horneffer						ELM2013-020B Anderson, Horneffer										
2013-06-26 We	ELM2013-020B Anderson, Horneffer										*0															
2013-06-27 Th										*0	ELI2013-000 ILT Operations															
2013-06-28 Fr											ELI2013-000 ILT Operations															
2013-06-29 Sa											ELI2013-000 ILT Operations															
2013-06-30 Su											ELI2013-000 ILT Operations															
2013-07-01 Mo	ELI2013-000 ILT Operations									*0																
2013-07-02 Tu																										
2013-07-03 We										*0	ELI2013-000 ILT Operations															
2013-07-04 Th											ELI2013-000 ILT Operations															
2013-07-05 Fr											ELI2013-000 ILT Operations															
2013-07-06 Sa											ELI2013-000 ILT Operations															
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	18					Sunrise	0						6							12			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 Low, Unused Inputs

## MPIfR Effelsberg LOFAR Station

### 2013-06-23 through 2013-07-06

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		
2013-06-23	Su											ELI2013-000 ILT Operations																	
2013-06-24	Mo	ELI2013-000 ILT Operations									*0																		
2013-06-25	Tu											ELM2013-020A Anderson, Horneffer							ELM2013-020B Anderson, Horneffer										
2013-06-26	We	ELM2013-020B Anderson, Horneffer																								*0			
2013-06-27	Th											*0	ELI2013-000 ILT Operations																
2013-06-28	Fr											ELI2013-000 ILT Operations																	
2013-06-29	Sa											ELI2013-000 ILT Operations																	
2013-06-30	Su											ELI2013-000 ILT Operations																	
2013-07-01	Mo	ELI2013-000 ILT Operations									*0																		
2013-07-02	Tu																												
2013-07-03	We											*0	ELI2013-000 ILT Operations																
2013-07-04	Th											ELI2013-000 ILT Operations																	
2013-07-05	Fr											ELI2013-000 ILT Operations																	
2013-07-06	Sa											ELI2013-000 ILT Operations																	
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		18												6							12								
		Sunrise 0																							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 Station Interferometer

## MPIfR Effelsberg LOFAR Station

### 2013-06-23 through 2013-07-06

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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
2013-06-23 Su	ELI2013-000 ILT Operations																									
2013-06-24 Mo	ELI2013-000 ILT Operations									*0																
2013-06-25 Tu											ELM2013-020A Anderson, Horneffer					ELM2013-020B Anderson, Horneffer										
2013-06-26 We	ELM2013-020B Anderson, Horneffer															*0										
2013-06-27 Th											*0	ELI2013-000 ILT Operations														
2013-06-28 Fr											ELI2013-000 ILT Operations															
2013-06-29 Sa											ELI2013-000 ILT Operations															
2013-06-30 Su											ELI2013-000 ILT Operations															
2013-07-01 Mo	ELI2013-000 ILT Operations									*0																
2013-07-02 Tu																										
2013-07-03 We											*0	ELI2013-000 ILT Operations														
2013-07-04 Th											ELI2013-000 ILT Operations															
2013-07-05 Fr											ELI2013-000 ILT Operations															
2013-07-06 Sa											ELI2013-000 ILT Operations															
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	18					Sunrise	0						6							12			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 IofarAN Computers

## MPIfR Effelsberg LOFAR Station

### 2013-06-23 through 2013-07-06

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
2013-06-23 Su	ELG2013-000W Koehler et al.																									
2013-06-24 Mo	ELG2013-000W Koehler et al.									*0	ELI2013-007M Koehler et al.															
2013-06-25 Tu	ELI2013-007M Koehler et al.									ELG2013-000U Koehler et al.																
2013-06-26 We	ELG2013-000U Koehler et al.										*0	ELG2013-000U Koehler et al.														
2013-06-27 Th	ELG2013-000U Koehler et al.																									
2013-06-28 Fr	ELG2013-000U Koehler et al.																									
2013-06-29 Sa																										
2013-06-30 Su																										
2013-07-01 Mo										*0																
2013-07-02 Tu																										
2013-07-03 We																										
2013-07-04 Th																										
2013-07-05 Fr																										
2013-07-06 Sa																										
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	18					Sunrise	0					6							12			Sunset				

#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

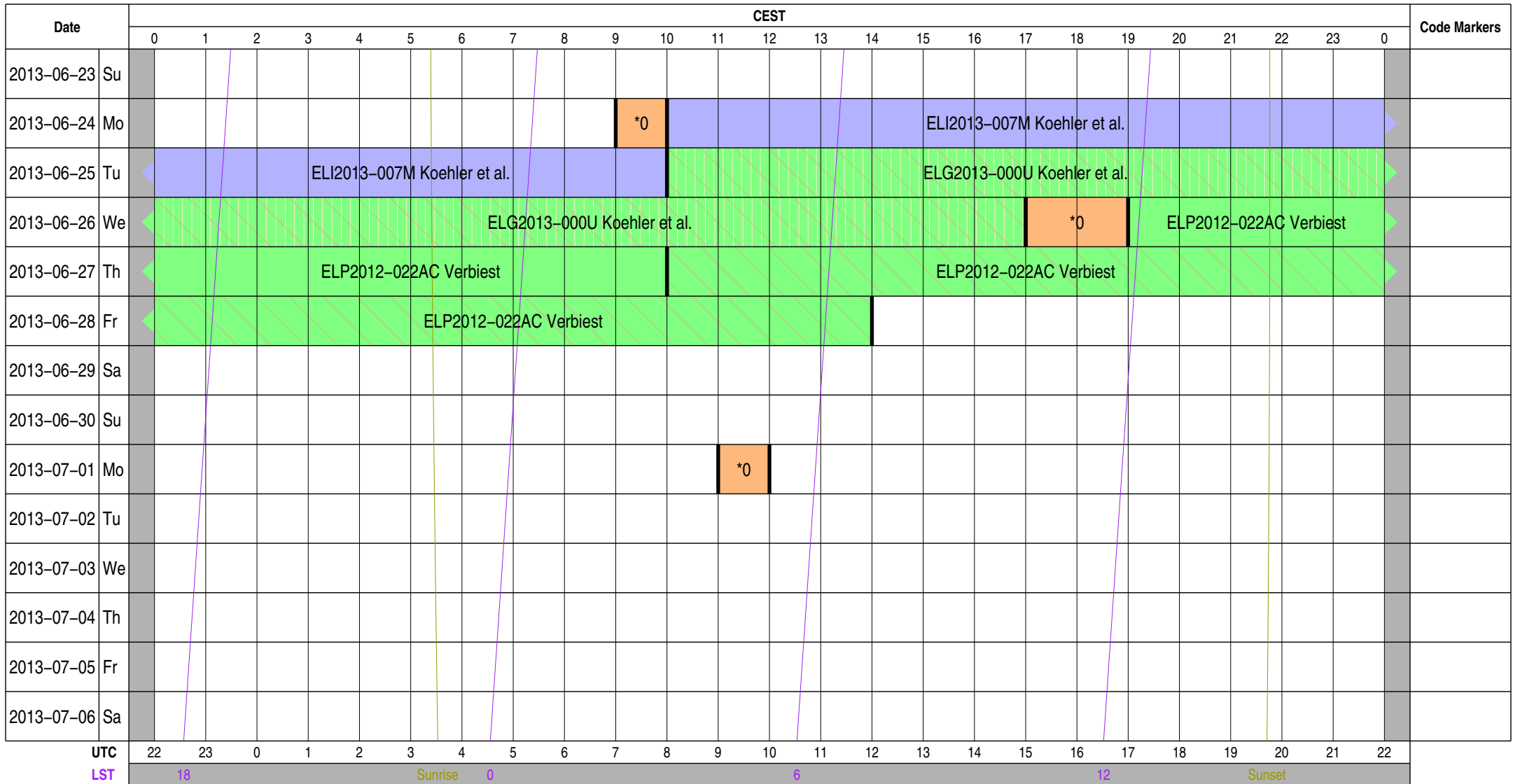
Science A (Astrometry)	Science O (Other)	ILT Mode	Piggyback Without Control
Science C (Cosmology)	Science P (Pulsar)	Effelsberg Mode	Experiment Warning
Science E (Extragalactic)	Science R (Cosmic Rays)	GLOW Mode	Override Possible
Science G (Galactic)	Science S (Solar System)	Juelich Mode	
Science H (Ionosphere)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

# Observing Plan for IofarBN Computers

## MPIfR Effelsberg LOFAR Station

### 2013-06-23 through 2013-07-06

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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	

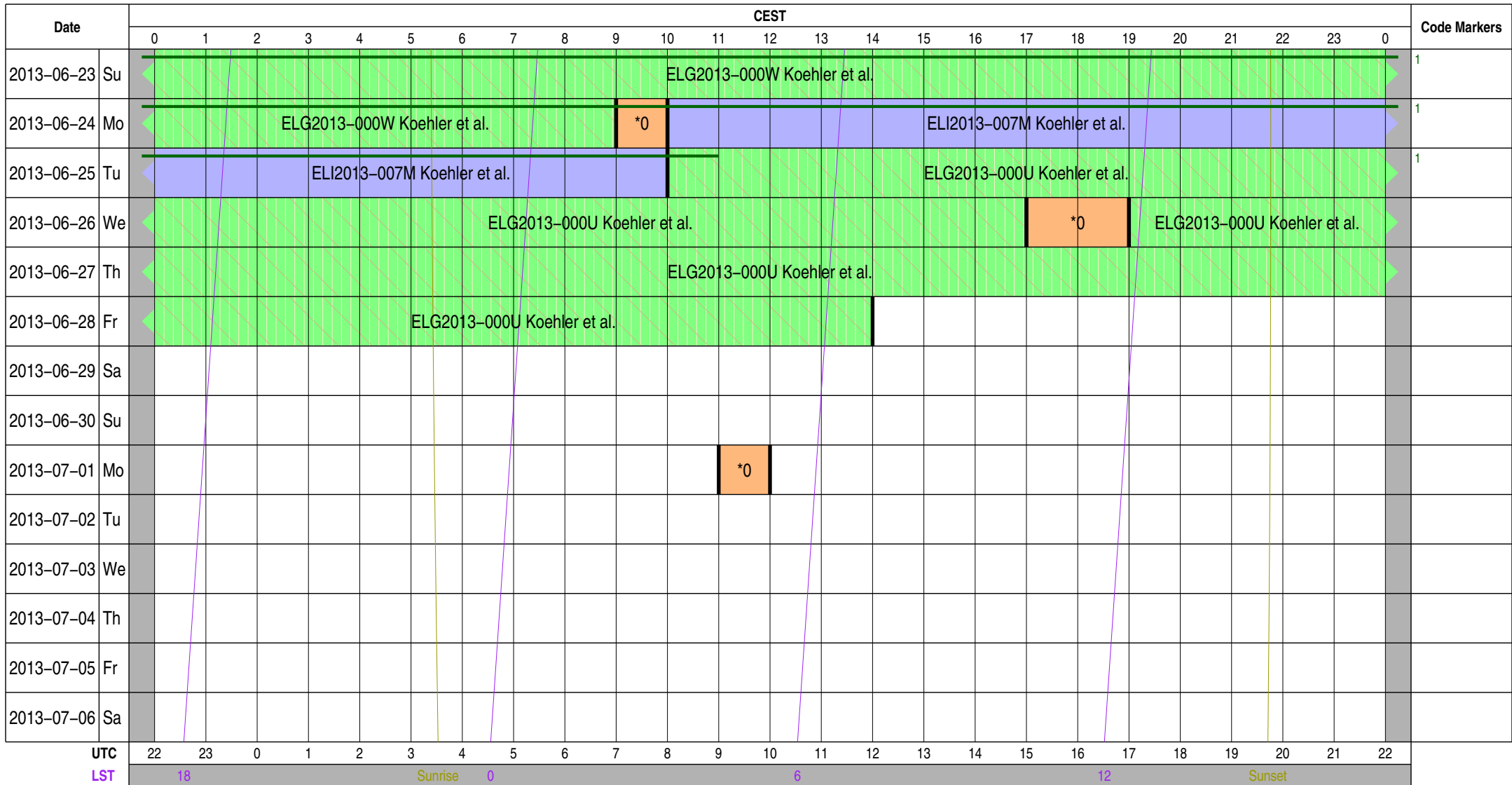




# Observing Plan for Iofarsrv Computer

## MPIfR Effelsberg LOFAR Station

### 2013-06-23 through 2013-07-06



#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

1 ELE2013-000B Horneff

#### 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

### 2013-06-23 through 2013-07-06

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
2013-06-23 Su	ELI2013-000 ILT Operations																								1	
2013-06-24 Mo	ELI2013-000 ILT Operations									*0															1	
2013-06-25 Tu											ELM2013-020A Anderson, Horneffer					ELM2013-020B Anderson, Horneffer									1	
2013-06-26 We	ELM2013-020B Anderson, Horneffer															*0										
2013-06-27 Th											*0	ELI2013-000 ILT Operations														
2013-06-28 Fr											ELI2013-000 ILT Operations															
2013-06-29 Sa											ELI2013-000 ILT Operations															
2013-06-30 Su											ELI2013-000 ILT Operations															
2013-07-01 Mo	ELI2013-000 ILT Operations									*0																
2013-07-02 Tu																										
2013-07-03 We											*0	ELI2013-000 ILT Operations														
2013-07-04 Th											ELI2013-000 ILT Operations															
2013-07-05 Fr											ELI2013-000 ILT Operations															
2013-07-06 Sa											ELI2013-000 ILT Operations															
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	18													6						12						
						Sunrise	0																Sunset			

#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

1 ELM2013-000B Horneffer

#### Color Meanings

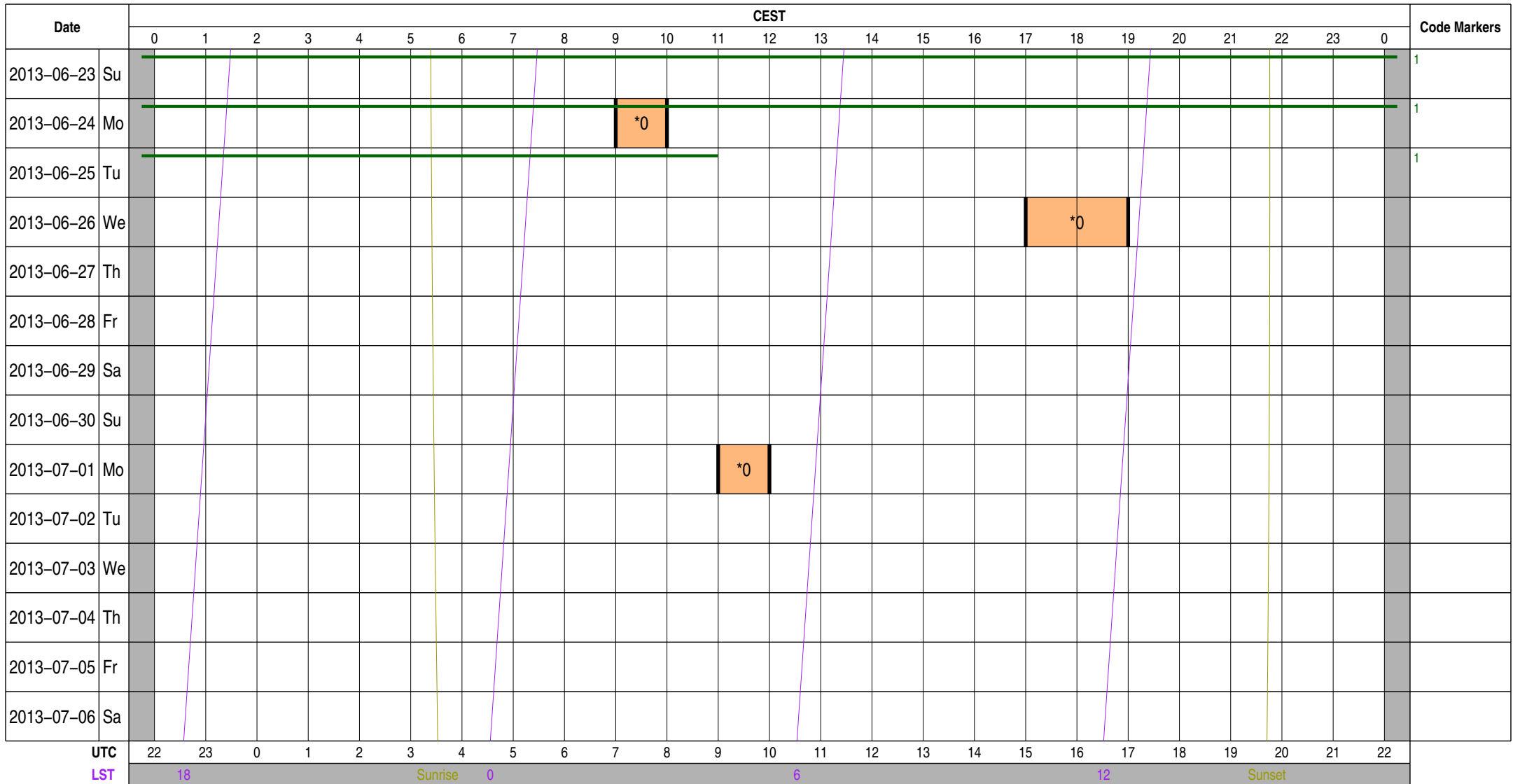
Science A (Astrometry)	Science O (Other)	ILT Mode	Piggyback Without Control
Science C (Cosmology)	Science P (Pulsar)	Effelsberg Mode	Experiment Warning
Science E (Extragalactic)	Science R (Cosmic Rays)	GLOW Mode	Override Possible
Science G (Galactic)	Science S (Solar System)	Juelich Mode	
Science H (Ionosphere)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

# Observing Plan for LOFAR Bonn--EF Fiber Connection

## MPIfR Effelsberg LOFAR Station

### 2013-06-23 through 2013-07-06

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 ELE2013-0008 Horneff

**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

### 2013-06-23 through 2013-07-06

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	
2013-06-23	Su	ELD2013-003 Horneffer																								
2013-06-24	Mo	ELD2013-003 Horneffer																								
2013-06-25	Tu	ELD2013-003 Horneffer										ELD2013-001 Anderson														
2013-06-26	We											ELD2013-001 Anderson														
2013-06-27	Th	ELD2013-003 Horneffer																								
2013-06-28	Fr	ELD2013-002 Kuniyoshi																								
2013-06-29	Sa	ELD2013-002 Kuniyoshi																								
2013-06-30	Su	ELD2013-002 Kuniyoshi																								
2013-07-01	Mo	ELD2013-002 Kuniyoshi																								
2013-07-02	Tu	ELD2013-002 Kuniyoshi																								
2013-07-03	We	ELD2013-002 Kuniyoshi																								
2013-07-04	Th	ELD2013-002 Kuniyoshi																								
2013-07-05	Fr	ELD2013-002 Kuniyoshi																								
2013-07-06	Sa	ELD2013-002 Kuniyoshi																								

<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>	18					Sunrise	0						6							12		Sunset			

**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 U	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000 U	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000 W	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 M	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
<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>ELM2013-020</b>	<b>Anderson, Horneffer</b>	<b>lofar-hw@mpifr-bonn.mpg.de</b>	<b>+49 2257 301 155</b>	<b>annual maintenance week</b>
ELM2013-020 A	Anderson, Horneffer	lofar-hw@mpifr-bonn.mpg.de	+49 2257 301 155	annual maintenance week
ELM2013-020 B	Anderson, Horneffer	lofar-hw@mpifr-bonn.mpg.de	+49 2257 301 155	annual maintenance week
<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 AC	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022 AC	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars

## Experiment Information for Other Actions

ELE2013-000	Horneffer	horneff@mpiir-bonn.mpg.de	+49 228 525 505	Data copying for LOFAR MKSP ILT data to Bonn
ELE2013-000 B	Horneffer	horneff@mpiir-bonn.mpg.de	+49 228 525 505	Data copying for LOFAR MKSP ILT data to Bonn

## Experiment Information for Operator On-Duty Schedule

<b>ELD2013-001</b>	<b>Anderson</b>	<b>anderson@mpifr-bonn.mpg.de</b>	<b>+49 228 525 356</b>	<b>Project Manager</b>
ELD2013-001	Anderson	anderson@mpifr-bonn.mpg.de	+49 228 525 356	Project Manager
<b>ELD2013-002</b>	<b>Kuniyoshi</b>	<b>mkuniyos@mpifr-bonn.mpg.de</b>	<b>+49 228 525 505</b>	<b>Project Scheduler</b>
ELD2013-002	Kuniyoshi	mkuniyos@mpifr-bonn.mpg.de	+49 228 525 505	Project Scheduler
<b>ELD2013-003</b>	<b>Horneffer</b>	<b>horneff@mpifr-bonn.mpg.de</b>	<b>+49 228 525 505</b>	<b>Project Hardware</b>
ELD2013-003	Horneffer	horneff@mpifr-bonn.mpg.de	+49 228 525 505	Project Hardware
ELD2013-003	Horneffer	horneff@mpifr-bonn.mpg.de	+49 228 525 505	Project Hardware



## 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>107.00</b>	<b>31.00</b>		<b>107.00</b>			
ELG2013-000 U							31.00	31.00		31.00			
ELG2013-000 U							43.00			43.00			
ELG2013-000 W							33.00			33.00			
<b>ELI2013-000</b>	<b>214.00</b>	<b>214.00</b>	<b>214.00</b>	<b>214.00</b>	<b>214.00</b>	<b>214.00</b>							<b>214.00</b>
ELI2013-000	33.00	33.00	33.00	33.00	33.00	33.00							33.00
ELI2013-000	96.00	96.00	96.00	96.00	96.00	96.00							96.00
ELI2013-000	85.00	85.00	85.00	85.00	85.00	85.00							85.00
<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>	<b>24.00</b>			
ELI2013-007 M	24.00	24.00	24.00	24.00			24.00	24.00	24.00	24.00			
<b>ELM2013-012</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>	<b>4.00</b>	<b>4.00</b>	<b>6.00</b>	<b>4.00</b>	<b>6.00</b>	<b>4.00</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	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
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
<b>ELM2013-020</b>	<b>31.00</b>	<b>31.00</b>	<b>31.00</b>	<b>31.00</b>	<b>31.00</b>	<b>31.00</b>			<b>31.00</b>		<b>31.00</b>		
ELM2013-020 A	7.00	7.00	7.00	7.00	7.00	7.00			7.00		7.00		
ELM2013-020 B	24.00	24.00	24.00	24.00	24.00	24.00			24.00		24.00		
<b>ELP2012-022</b>	<b>15.00</b>		<b>15.00</b>					<b>43.00</b>	<b>15.00</b>				
ELP2012-022 AC	15.00		15.00					15.00	15.00				
ELP2012-022 AC								28.00					

# Time Usage [hours] for Other Actions

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF_	duty
ELE2013-000										59.00	59.00	59.00	
ELE2013-000 B										59.00	59.00	59.00	



# Summary of Time Usage [total=336.00 hours] for MPIfR Effelsberg LOFAR Station

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF_	duty
<b>normal</b>													
Science A (Astrometry)													
Science C (Cosmology)													
Science E (Extragalactic)													
Science G (Galactic) 107.00 31.00 107.00													
Science H (Ionosphere)													
Science N (AGN)													
Science O (Other)													
Science P (Pulsar) 15.00 15.00 43.00 15.00													
Science R (Cosmic Rays)													
Science S (Solar System)													
Test Observation													
Maintenance Mode 37.00 37.00 37.00 37.00 37.00 37.00 4.00 4.00 37.00 4.00 37.00 4.00													
ILT Mode 238.00 238.00 238.00 238.00 214.00 214.00 24.00 24.00 24.00 24.00 214.00													
Effelsberg Mode													
GLOW Mode													
Juelich Mode													
Station Failure													
Unknown Code													
Idle 46.00 61.00 46.00 61.00 85.00 85.00 201.00 234.00 260.00 201.00 85.00 332.00													
<b>piggy-up</b>													
Piggyback Control													
Unknown Code													
Idle 336.00 336.00 336.00 336.00 336.00 336.00 336.00 336.00 336.00 336.00 336.00 336.00													
<b>piggy-down</b>													
Piggyback Without Control 59.00 59.00 59.00													
Unknown Code													
Idle 336.00 336.00 336.00 336.00 336.00 336.00 336.00 336.00 336.00 277.00 277.00 277.00													
<b>warning</b>													
Experiment Warning													
Unknown Code													
Idle 336.00 336.00 336.00 336.00 336.00 336.00 336.00 336.00 336.00 336.00 336.00 336.00													
<b>steal</b>													
Override Possible													
Unknown Code													
Idle 336.00 336.00 336.00 336.00 336.00 336.00 336.00 336.00 336.00 336.00 336.00 336.00													
<b>duty</b>													
100 m Operator													
Anderson 36.00													
Kuniyoshi 216.00													
Horneffer 84.00													
Other													
Unknown													
Unknown Code													
Idle 0.00													

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

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF_	duty
<b>normal</b>													
Science A (Astrometry)													
Science C (Cosmology)													
Science E (Extragalactic)													
Science G (Galactic)													
Science H (Ionosphere)													
Science N (AGN)													
Science O (Other)													
Science P (Pulsar)													
Science R (Cosmic Rays)													
Science S (Solar System)													
Test Observation													
Maintenance Mode													
ILT Mode													
Effelsberg Mode													
GLOW Mode													
Juelich Mode													
Station Failure													
Unknown Code													
Idle													
piggy-up													
Piggyback Control													
Unknown Code													
Idle													
piggy-down													
Piggyback Without Control													
Unknown Code													
Idle													
warning													
Experiment Warning													
Unknown Code													
Idle													
steal													
Override Possible													
Unknown Code													
Idle													
duty													
100 m Operator													
Anderson													
Kuniyoshi													
Horneffer													
Other													
Unknown													
Unknown Code													
Idle													