

# Observing Plan for Station Control (LCU)

## MPIfR Effelsberg LOFAR Station

### 2013-07-08 through 2013-07-21

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
2013-07-08	Mo	ELI2013-000 ILT Operations										*0	ELI2013-007N Koehler et al.														
2013-07-09	Tu	ELI2013-007N Koehler et al.										ELP2012-022AF Verbiest															
2013-07-10	We	ELP2012-022AF Verbiest										*0	ELI2013-000 ILT Operations														
2013-07-11	Th	ELI2013-000 ILT Operations																									
2013-07-12	Fr	ELI2013-000 ILT Operations																									
2013-07-13	Sa	ELI2013-000 ILT Operations																									
2013-07-14	Su	ELI2013-000 ILT Operations																									
2013-07-15	Mo	ELI2013-000 ILT Operations																									
2013-07-16	Tu	ELI2013-000 ILT Operations																									
2013-07-17	We	ELI2013-000 ILT Operations																									
2013-07-18	Th	ELI2013-000 ILT Operations																									
2013-07-19	Fr	ELI2013-000 ILT Operations																									
2013-07-20	Sa	ELI2013-000 ILT Operations																									
2013-07-21	Su	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																											
		Sunrise										6	Sunset										18				

**Normal Experiment Code Markers**

0 ELM2013-012 Kuniyoshi, Horneff

**Other Code Markers**

**Color Meanings**

<span style="background-color: #90EE90; border: 1px solid black; padding: 2px;"> </span> Science A (Astrometry)	<span style="background-color: #90EE90; border: 1px solid black; padding: 2px;"> </span> Science O (Other)	<span style="background-color: #CCCCFF; border: 1px solid black; padding: 2px;"> </span> ILT Mode	<span style="background-color: #800000; border: 1px solid black; padding: 2px;"> </span> Piggyback Without Control
<span style="background-color: #90EE90; border: 1px solid black; padding: 2px;"> </span> Science C (Cosmology)	<span style="background-color: #90EE90; border: 1px solid black; padding: 2px;"> </span> Science P (Pulsar)	<span style="background-color: #00FFFF; border: 1px solid black; padding: 2px;"> </span> Effelsberg Mode	<span style="background-color: #FF8C00; border: 1px solid black; padding: 2px;"> </span> Experiment Warning
<span style="background-color: #90EE90; border: 1px solid black; padding: 2px;"> </span> Science E (Extragalactic)	<span style="background-color: #90EE90; border: 1px solid black; padding: 2px;"> </span> Science R (Cosmic Rays)	<span style="background-color: #00FFFF; border: 1px solid black; padding: 2px;"> </span> GLOW Mode	<span style="background-color: #800000; border: 1px solid black; padding: 2px;"> </span> Override Possible
<span style="background-color: #90EE90; border: 1px solid black; padding: 2px;"> </span> Science G (Galactic)	<span style="background-color: #90EE90; border: 1px solid black; padding: 2px;"> </span> Science S (Solar System)	<span style="background-color: #00FFFF; border: 1px solid black; padding: 2px;"> </span> Juelich Mode	
<span style="background-color: #90EE90; border: 1px solid black; padding: 2px;"> </span> Science H (Ionosphere)	<span style="background-color: #FFFF00; border: 1px solid black; padding: 2px;"> </span> Test Observation	<span style="background-color: #FF0000; border: 1px solid black; padding: 2px;"> </span> Station Failure	
<span style="background-color: #90EE90; border: 1px solid black; padding: 2px;"> </span> Science N (AGN)	<span style="background-color: #FFA500; border: 1px solid black; padding: 2px;"> </span> Maintenance Mode	<span style="background-color: #FF00FF; border: 1px solid black; padding: 2px;"> </span> Piggyback Control	

# Observing Plan for Transient Buffer Boards

## MPIfR Effelsberg LOFAR Station

### 2013-07-08 through 2013-07-21

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	
2013-07-08	Mo	ELI2013-000 ILT Operations										*0	ELI2013-007N Koehler et al.													
2013-07-09	Tu	ELI2013-007N Koehler et al.																								
2013-07-10	We											*0	ELI2013-000 ILT Operations													
2013-07-11	Th											ELI2013-000 ILT Operations														
2013-07-12	Fr											ELI2013-000 ILT Operations														
2013-07-13	Sa											ELI2013-000 ILT Operations														
2013-07-14	Su											ELI2013-000 ILT Operations														
2013-07-15	Mo											ELI2013-000 ILT Operations														
2013-07-16	Tu											ELI2013-000 ILT Operations														
2013-07-17	We											ELI2013-000 ILT Operations														
2013-07-18	Th											ELI2013-000 ILT Operations														
2013-07-19	Fr											ELI2013-000 ILT Operations														
2013-07-20	Sa											ELI2013-000 ILT Operations														
2013-07-21	Su											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												Sunrise	6											Sunset	18	

**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 2013-07-08 through 2013-07-21

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	
2013-07-08	Mo	ELI2013-000 ILT Operations										*0	ELI2013-007N Koehler et al.													
2013-07-09	Tu	ELI2013-007N Koehler et al.										ELP2012-022AF Verbiest														
2013-07-10	We	ELP2012-022AF Verbiest										*0	ELI2013-000 ILT Operations													
2013-07-11	Th	ELI2013-000 ILT Operations																								
2013-07-12	Fr	ELI2013-000 ILT Operations																								
2013-07-13	Sa	ELI2013-000 ILT Operations																								
2013-07-14	Su	ELI2013-000 ILT Operations																								
2013-07-15	Mo	ELI2013-000 ILT Operations																								
2013-07-16	Tu	ELI2013-000 ILT Operations																								
2013-07-17	We	ELI2013-000 ILT Operations																								
2013-07-18	Th	ELI2013-000 ILT Operations																								
2013-07-19	Fr	ELI2013-000 ILT Operations																								
2013-07-20	Sa	ELI2013-000 ILT Operations																								
2013-07-21	Su	ELI2013-000 ILT Operations																								

<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>	Sunrise 6 Sunset 18																								

**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 2013-07-08 through 2013-07-21

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	
2013-07-08	Mo	ELI2013-000 ILT Operations										*0	ELI2013-007N Koehler et al.													
2013-07-09	Tu	ELI2013-007N Koehler et al.																								
2013-07-10	We											*0	ELI2013-000 ILT Operations													
2013-07-11	Th											ELI2013-000 ILT Operations														
2013-07-12	Fr											ELI2013-000 ILT Operations														
2013-07-13	Sa											ELI2013-000 ILT Operations														
2013-07-14	Su											ELI2013-000 ILT Operations														
2013-07-15	Mo											ELI2013-000 ILT Operations														
2013-07-16	Tu											ELI2013-000 ILT Operations														
2013-07-17	We											ELI2013-000 ILT Operations														
2013-07-18	Th											ELI2013-000 ILT Operations														
2013-07-19	Fr											ELI2013-000 ILT Operations														
2013-07-20	Sa											ELI2013-000 ILT Operations														
2013-07-21	Su											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 Sunrise 6 12 Sunset 18

**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

### 2013-07-08 through 2013-07-21

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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
2013-07-08	Mo	ELI2013-000 ILT Operations										*0															
2013-07-09	Tu																										
2013-07-10	We											*0	ELI2013-000 ILT Operations														
2013-07-11	Th											ELI2013-000 ILT Operations															
2013-07-12	Fr											ELI2013-000 ILT Operations															
2013-07-13	Sa											ELI2013-000 ILT Operations															
2013-07-14	Su											ELI2013-000 ILT Operations															
2013-07-15	Mo											ELI2013-000 ILT Operations															
2013-07-16	Tu											ELI2013-000 ILT Operations															
2013-07-17	We											ELI2013-000 ILT Operations															
2013-07-18	Th											ELI2013-000 ILT Operations															
2013-07-19	Fr											ELI2013-000 ILT Operations															
2013-07-20	Sa											ELI2013-000 ILT Operations															
2013-07-21	Su											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												Sunrise	6	12	Sunset										18		

**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

### 2013-07-08 through 2013-07-21

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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
2013-07-08	Mo	ELI2013-000 ILT Operations										*0														
2013-07-09	Tu																									
2013-07-10	We											*0	ELI2013-000 ILT Operations													
2013-07-11	Th											ELI2013-000 ILT Operations														
2013-07-12	Fr											ELI2013-000 ILT Operations														
2013-07-13	Sa											ELI2013-000 ILT Operations														
2013-07-14	Su											ELI2013-000 ILT Operations														
2013-07-15	Mo											ELI2013-000 ILT Operations														
2013-07-16	Tu											ELI2013-000 ILT Operations														
2013-07-17	We											ELI2013-000 ILT Operations														
2013-07-18	Th											ELI2013-000 ILT Operations														
2013-07-19	Fr											ELI2013-000 ILT Operations														
2013-07-20	Sa											ELI2013-000 ILT Operations														
2013-07-21	Su											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		Sunrise										6	Sunset										18			

#### 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

### 2013-07-08 through 2013-07-21

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
2013-07-08	Mo	ELG2013-000U Koehler et al.										*0	ELI2013-007N Koehler et al.													
2013-07-09	Tu	ELI2013-007N Koehler et al.										ELG2013-000U Koehler et al.														
2013-07-10	We	ELG2013-000U Koehler et al.																								
2013-07-11	Th	ELG2013-000U Koehler et al.																								
2013-07-12	Fr	ELG2013-000U Koehler et al.																								
2013-07-13	Sa	ELG2013-000U Koehler et al.																								
2013-07-14	Su	ELG2013-000U Koehler et al.																								
2013-07-15	Mo	ELG2013-000U Koehler et al.																								
2013-07-16	Tu	ELG2013-000U Koehler et al.																								
2013-07-17	We	ELG2013-000U Koehler et al.																								
2013-07-18	Th	ELG2013-000U Koehler et al.																								
2013-07-19	Fr	ELG2013-000U Koehler et al.																								
2013-07-20	Sa	ELG2013-000U Koehler et al.																								
2013-07-21	Su	ELG2013-000U Koehler et al.																								
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		Sunrise										6	Sunset										18			

#### 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

### 2013-07-08 through 2013-07-21

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
2013-07-08	Mo	ELG2013-000U Koehler et al.										*0	ELI2013-007N Koehler et al.													
2013-07-09	Tu	ELI2013-007N Koehler et al.										ELP2012-022AF Verbiest														
2013-07-10	We	ELP2012-022AF Verbiest										ELP2012-022AF Verbiest														
2013-07-11	Th	ELP2012-022AF Verbiest										ELG2013-000U Koehler et al.														
2013-07-12	Fr	ELG2013-000U Koehler et al.																								
2013-07-13	Sa	ELG2013-000U Koehler et al.																								
2013-07-14	Su	ELG2013-000U Koehler et al.																								
2013-07-15	Mo	ELG2013-000U Koehler et al.																								
2013-07-16	Tu	ELG2013-000U Koehler et al.																								
2013-07-17	We	ELG2013-000U Koehler et al.																								
2013-07-18	Th	ELG2013-000U Koehler et al.																								
2013-07-19	Fr	ELG2013-000U Koehler et al.																								
2013-07-20	Sa	ELG2013-000U Koehler et al.																								
2013-07-21	Su	ELG2013-000U Koehler et al.																								
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		Sunrise											6	12											Sunset	18

#### 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 2013-07-08 through 2013-07-21

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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
2013-07-08	Mo												*0														
2013-07-09	Tu																										
2013-07-10	We																										
2013-07-11	Th																										
2013-07-12	Fr																										
2013-07-13	Sa																										
2013-07-14	Su																										
2013-07-15	Mo																										
2013-07-16	Tu																										
2013-07-17	We																										
2013-07-18	Th																										
2013-07-19	Fr																										
2013-07-20	Sa																										
2013-07-21	Su																										
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								Sunrise					6							12			Sunset			18	

**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 2013-07-08 through 2013-07-21

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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	
2013-07-08	Mo	ELG2013-000U Koehler et al.										*0	ELI2013-007N Koehler et al.										1,2,2			
2013-07-09	Tu	ELI2013-007N Koehler et al.										ELG2013-000U Koehler et al.										2				
2013-07-10	We	ELG2013-000U Koehler et al.																								1,2
2013-07-11	Th	ELG2013-000U Koehler et al.																								1,2
2013-07-12	Fr	ELG2013-000U Koehler et al.																								1,2
2013-07-13	Sa	ELG2013-000U Koehler et al.																								1,2
2013-07-14	Su	ELG2013-000U Koehler et al.																								1,2
2013-07-15	Mo	ELG2013-000U Koehler et al.																								1,2
2013-07-16	Tu	ELG2013-000U Koehler et al.																								1,2
2013-07-17	We	ELG2013-000U Koehler et al.																								1,2
2013-07-18	Th	ELG2013-000U Koehler et al.																								1,2
2013-07-19	Fr	ELG2013-000U Koehler et al.																								1,2
2013-07-20	Sa	ELG2013-000U Koehler et al.																								1,2
2013-07-21	Su	ELG2013-000U Koehler et al.																								1,2

<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>	Sunrise										6	Sunset										18			

**Normal Experiment Code Markers**

0 ELM2013-012 Kuniyoshi, Horneff

**Other Code Markers**

- 1 ELE2013-000B Horneffer
- 2 ELE2013-000C 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 Fiber Connection

## MPIfR Effelsberg LOFAR Station

### 2013-07-08 through 2013-07-21

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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	
2013-07-08 Mo	ELI2013-000 ILT Operations											*0	ELE2013-000C Horneffer												1
2013-07-09 Tu												ELE2013-000C Horneffer													
2013-07-10 We	ELE2013-000C Horneffer											*0	ELI2013-000 ILT Operations												1
2013-07-11 Th												ELI2013-000 ILT Operations												1	
2013-07-12 Fr												ELI2013-000 ILT Operations												1	
2013-07-13 Sa												ELI2013-000 ILT Operations												1	
2013-07-14 Su												ELI2013-000 ILT Operations												1	
2013-07-15 Mo												ELI2013-000 ILT Operations												1	
2013-07-16 Tu												ELI2013-000 ILT Operations												1	
2013-07-17 We												ELI2013-000 ILT Operations												1	
2013-07-18 Th												ELI2013-000 ILT Operations												1	
2013-07-19 Fr												ELI2013-000 ILT Operations												1	
2013-07-20 Sa												ELI2013-000 ILT Operations												1	
2013-07-21 Su												ELI2013-000 ILT Operations												1	
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	Sunrise											6	Sunset											18	

#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

1 ELE2013-000B 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

### 2013-07-08 through 2013-07-21

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	
2013-07-08 Mo												*0	ELE2013-000C Horneffer												1
2013-07-09 Tu												ELE2013-000C Horneffer													
2013-07-10 We	ELE2013-000C Horneffer																							1	
2013-07-11 Th																									1
2013-07-12 Fr																									1
2013-07-13 Sa																									1
2013-07-14 Su																									1
2013-07-15 Mo																									1
2013-07-16 Tu																									1
2013-07-17 We																									1
2013-07-18 Th																									1
2013-07-19 Fr																									1
2013-07-20 Sa																									1
2013-07-21 Su																									1

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							Sunrise						6													
															12											
																						Sunset				
																										18

#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

1 ELE2013-000B 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 Operator On-Duty

## MPIfR Effelsberg LOFAR Station

### 2013-07-08 through 2013-07-21

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	
2013-07-08	Mo																											
2013-07-09	Tu																											
2013-07-10	We																											
2013-07-11	Th																											
2013-07-12	Fr																											
2013-07-13	Sa																											
2013-07-14	Su																											
2013-07-15	Mo																											
2013-07-16	Tu																											
2013-07-17	We																											
2013-07-18	Th																											
2013-07-19	Fr																											
2013-07-20	Sa																											
2013-07-21	Su																											

ELD2013-002 Kuniyoshi

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 Sunrise 6 12 Sunset 18

Normal Experiment Code Markers

Other Code Markers

- Color Meanings**
- 100 m Operator
  - Anderson
  - Kuniyoshi
  - Horneffer
  - Other
  - Unknown

## Experiment Information for Normal Observations

<b>ELE2013-000</b>	<b>Horneffer</b>	<b>horneff@mpi-fr-bonn.mpg.de</b>	<b>+49 228 525 505</b>	<b>Data copying for LOFAR MKSP ILT data to Bonn</b>
ELE2013-000 C	Horneffer	horneff@mpi-fr-bonn.mpg.de	+49 228 525 505	Data copying for LOFAR MKSP ILT data to Bonn
<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 U	Koehler et al.	jana@mpi-fr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000 U	Koehler et al.	jana@mpi-fr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000 U	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>ELI2013-007</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 N	Koehler et al.	jana@mpi-fr-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@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 AF	Verbiest	verbiest@mpi-fr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022 AF	Verbiest	verbiest@mpi-fr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars

## Experiment Information for Other Actions

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

# 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	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF_	duty
<b>ELE2013-000</b>											<b>46.00</b>	<b>46.00</b>	
ELE2013-000 C											46.00	46.00	
<b>ELG2013-000</b>							<b>310.00</b>	<b>265.00</b>		<b>310.00</b>			
ELG2013-000 U								11.00					
ELG2013-000 U							11.00			11.00			
ELG2013-000 U								254.00					
ELG2013-000 U							299.00			299.00			
<b>ELI2013-000</b>	<b>288.00</b>	<b>288.00</b>	<b>288.00</b>	<b>288.00</b>	<b>288.00</b>	<b>288.00</b>					<b>288.00</b>		
ELI2013-000	11.00	11.00	11.00	11.00	11.00	11.00					11.00		
ELI2013-000	277.00	277.00	277.00	277.00	277.00	277.00					277.00		
<b>ELI2013-007</b>	<b>25.00</b>	<b>25.00</b>	<b>25.00</b>	<b>25.00</b>			<b>25.00</b>	<b>25.00</b>	<b>25.00</b>	<b>25.00</b>			
ELI2013-007 N	25.00	25.00	25.00	25.00			25.00	25.00	25.00	25.00			
<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	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>ELP2012-022</b>	<b>21.00</b>		<b>21.00</b>					<b>45.00</b>	<b>21.00</b>				
ELP2012-022 AF	21.00		21.00					21.00	21.00				
ELP2012-022 AF								24.00					

## Time Usage [hours] for Other Actions

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF_	duty
ELE2013-000										624.00	289.00	289.00	
ELE2013-000 B										11.00	11.00	11.00	
ELE2013-000 B										278.00	278.00	278.00	
ELE2013-000 C										11.00			
ELE2013-000 C										324.00			





