

# Observing Plan for Station Control (LCU)

## MPIfR Effelsberg LOFAR Station

### 2013-03-22 through 2013-04-05

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."

Date	CET																								Code Markers			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		0		
2013-03-22Fr											ELI2013-000 LT Operations																	
2013-03-23Sa											ELI2013-000 LT Operations																	
2013-03-24Su											ELI2013-000 LT Operations																	
2013-03-25Mo	ELI2013-000 LT Operations										*0	*1	ELM2013-012 Kuniyoshi,						ELP2012-022M Verbiest									
2013-03-26Tu	*2	*1	ELT2013-003A Koehler et al.										ELP2012-022N Verbiest															
2013-03-27We	ELP2012-022N Verbiest								*0	ELI2013-000 ILT Operations																		
2013-03-28Th											ELI2013-000 LT Operations																	
2013-03-29Fr											ELI2013-000 LT Operations																	
2013-03-30Sa											ELI2013-000 LT Operations																	
2013-03-31Su											ELI2013-000 LT Operations																	
2013-04-01Mo	ELI2013-000 LT Operations										*0																	
2013-04-02Tu																												
2013-04-03We									*0	ELI2013-000 ILT Operations																		
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2013-04-05Fr											ELI2013-000 LT Operations																	
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																									18			
																									sunrise			
																									0			
																									6			
																									Sunset			
																									12			

#### Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELT2013-002 Wucknitz
- 2 ELP2012-022M Verbiest

#### Other Code Markers

#### Color Meanings

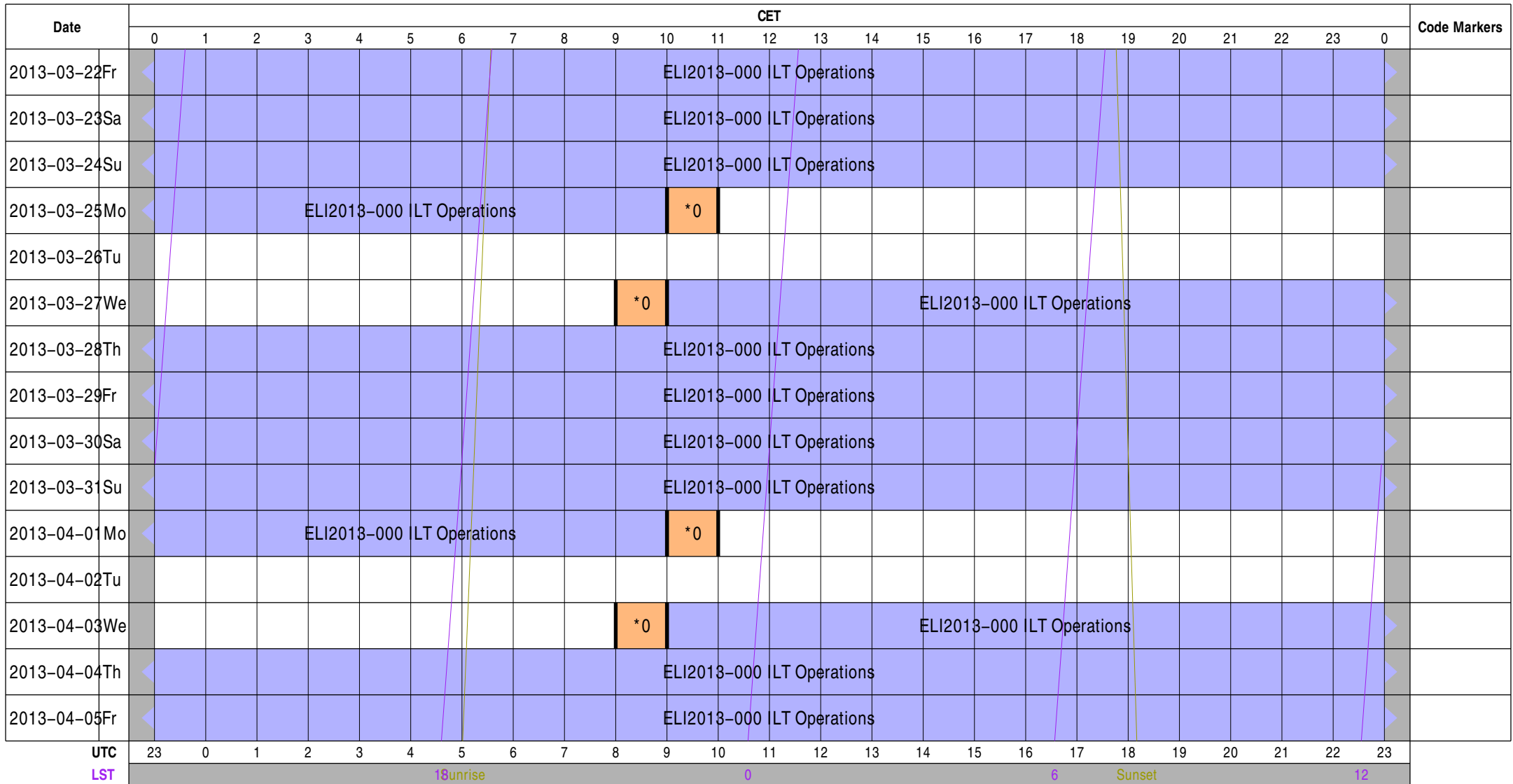
- |                           |                          |                  |                           |
|---------------------------|--------------------------|------------------|---------------------------|
| Science A (Astrometry)    | Science N (AGN)          | Test Observation | Juelich Mode  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

# Observing Plan for Transient Buffer Boards

## MPIfR Effelsberg LOFAR Station

### 2013-03-22 through 2013-04-05

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#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

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

# Observing Plan for HBA MPIfR Effelsberg LOFAR Station 2013-03-22 through 2013-04-05

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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
2013-03-22Fr											ELI2013-000 LT Operations															
2013-03-23Sa											ELI2013-000 LT Operations															
2013-03-24Su											ELI2013-000 LT Operations															
2013-03-25Mo	ELI2013-000 LT Operations										*0	ELM2013-012 Kuniyoshi,						ELP2012-022M Verbiest								
2013-03-26Tu	*1				ELT2013-003A Koehler et al.										ELP2012-022N Verbiest											
2013-03-27We	ELP2012-022N Verbiest								*0	ELI2013-000 ILT Operations																
2013-03-28Th											ELI2013-000 LT Operations															
2013-03-29Fr											ELI2013-000 LT Operations															
2013-03-30Sa											ELI2013-000 LT Operations															
2013-03-31Su											ELI2013-000 LT Operations															
2013-04-01Mo	ELI2013-000 LT Operations										*0															
2013-04-02Tu																										
2013-04-03We									*0	ELI2013-000 ILT Operations																
2013-04-04Th											ELI2013-000 LT Operations															
2013-04-05Fr											ELI2013-000 LT Operations															
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																										
	18										sunrise	0						6	Sunset	12						

### Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELP2012-022M Verbiest

### Other Code Markers

### Color Meanings

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

# Observing Plan for Low Band High (LBA) MPIfR Effelsberg LOFAR Station 2013-03-22 through 2013-04-05

For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."

Date	CET																								Code Markers		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		0	
2013-03-22Fr											ELI2013-000 LT Operations																
2013-03-23Sa											ELI2013-000 LT Operations																
2013-03-24Su											ELI2013-000 LT Operations																
2013-03-25Mo	ELI2013-000 LT Operations										*0	*1															
2013-03-26Tu											*1																
2013-03-27We											*0	ELI2013-000 ILT Operations															
2013-03-28Th											ELI2013-000 LT Operations																
2013-03-29Fr											ELI2013-000 LT Operations																
2013-03-30Sa											ELI2013-000 LT Operations																
2013-03-31Su											ELI2013-000 LT Operations																
2013-04-01Mo	ELI2013-000 LT Operations										*0																
2013-04-02Tu																											
2013-04-03We											*0	ELI2013-000 ILT Operations															
2013-04-04Th											ELI2013-000 LT Operations																
2013-04-05Fr											ELI2013-000 LT Operations																
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											18	sunrise	0											6	Sunset	12	

### Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELT2013-002 Wucknitz

### Other Code Markers

### Color Meanings

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

# Observing Plan for Low Band Low, Unused Inputs

## MPIfR Effelsberg LOFAR Station

### 2013-03-22 through 2013-04-05

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Date	CET																								Code Markers												
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2013-03-22Fr											ELI2013-000 LT Operations																										
2013-03-23Sa											ELI2013-000 LT Operations																										
2013-03-24Su											ELI2013-000 LT Operations																										
2013-03-25Mo	ELI2013-000 LT Operations										*0																										
2013-03-26Tu																																					
2013-03-27We									*0		ELI2013-000 ILT Operations																										
2013-03-28Th											ELI2013-000 LT Operations																										
2013-03-29Fr											ELI2013-000 LT Operations																										
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2013-04-01Mo	ELI2013-000 LT Operations										*0																										
2013-04-02Tu																																					
2013-04-03We									*0		ELI2013-000 ILT Operations																										
2013-04-04Th											ELI2013-000 LT Operations																										
2013-04-05Fr											ELI2013-000 LT Operations																										
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																								18													
							sunrise						0						6						Sunset												12

#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

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

# Observing Plan for Station Interferometer MPIfR Effelsberg LOFAR Station 2013-03-22 through 2013-04-05

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2013-03-23Sa											ELI2013-000 LT Operations																		
2013-03-24Su											ELI2013-000 LT Operations																		
2013-03-25Mo	ELI2013-000 LT Operations										*0																		
2013-03-26Tu																													
2013-03-27We									*0		ELI2013-000 ILT Operations																		
2013-03-28Th											ELI2013-000 LT Operations																		
2013-03-29Fr											ELI2013-000 LT Operations																		
2013-03-30Sa											ELI2013-000 LT Operations																		
2013-03-31Su											ELI2013-000 LT Operations																		
2013-04-01Mo	ELI2013-000 LT Operations										*0																		
2013-04-02Tu																													
2013-04-03We									*0		ELI2013-000 ILT Operations																		
2013-04-04Th											ELI2013-000 LT Operations																		
2013-04-05Fr											ELI2013-000 LT Operations																		
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																													
							18	sunrise						0						6	Sunset							12	

### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

### Other Code Markers

### Color Meanings

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

# Observing Plan for IofarAN Computers

## MPIfR Effelsberg LOFAR Station

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2013-03-23Sa											ELG2013-000D Koehler et al.														
2013-03-24Su											ELG2013-000D Koehler et al.														
2013-03-25Mo	ELG2013-000D Koehler et al.										*0		ELG2013-000F Koehler et al.												
2013-03-26Tu	ELG2013-000F Koehler et			ELT2013-003A Koehler et al.											ELG2013-000G Koehler et al.										
2013-03-27We											ELG2013-000G Koehler et al.														
2013-03-28Th											ELG2013-000G Koehler et al.														
2013-03-29Fr	ELG2013-000G Koehler et al.																								
2013-03-30Sa																									
2013-03-31Su																									
2013-04-01Mo											*0														
2013-04-02Tu																									
2013-04-03We																									
2013-04-04Th																									
2013-04-05Fr																									
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																									18unrise
											0											6	Sunset	12	

#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

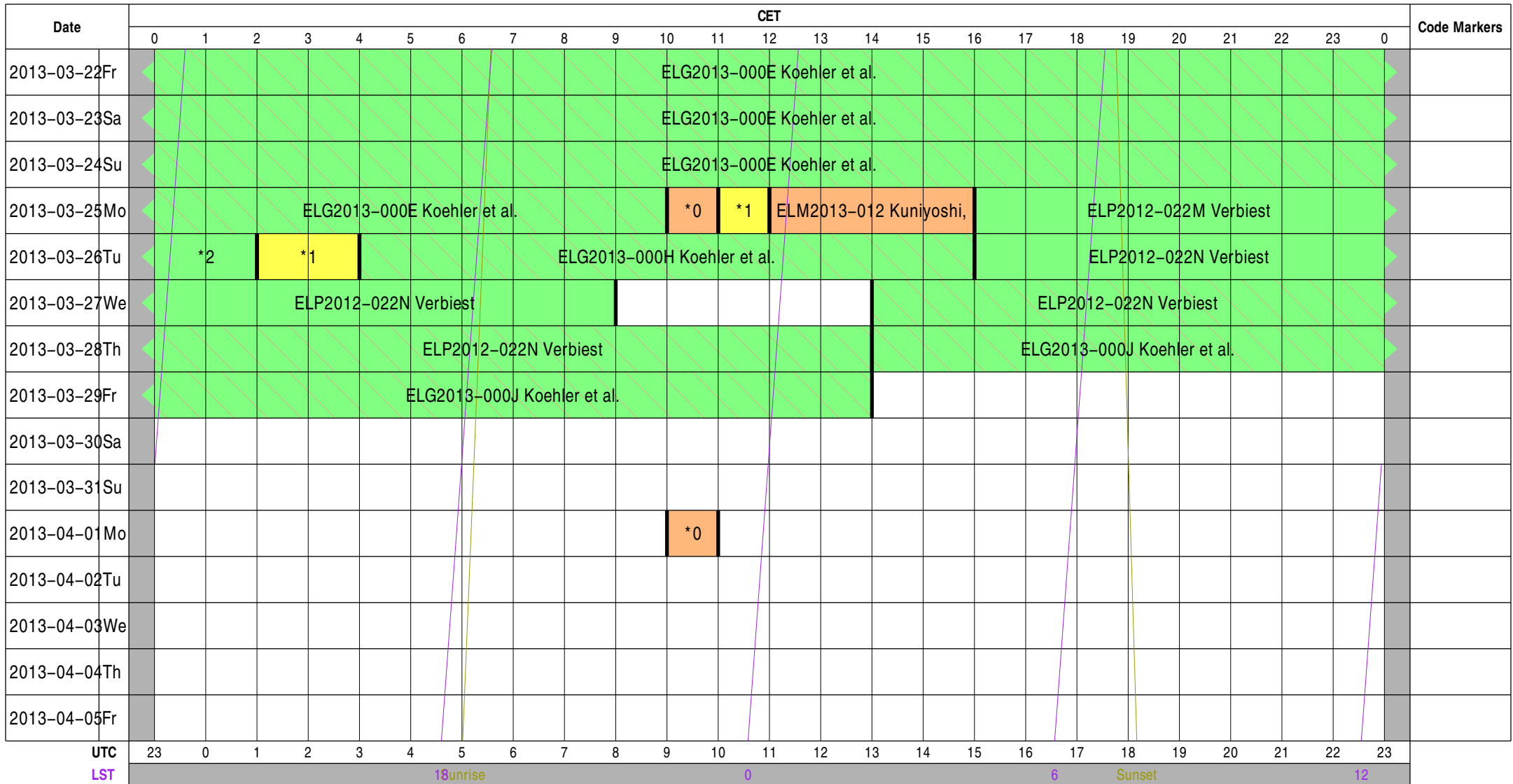
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

# Observing Plan for IofarBN Computers

## MPIfR Effelsberg LOFAR Station

### 2013-03-22 through 2013-04-05

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#### Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELT2013-002 Wucknitz
- 2 ELP2012-022M Verbiest

#### Other Code Markers

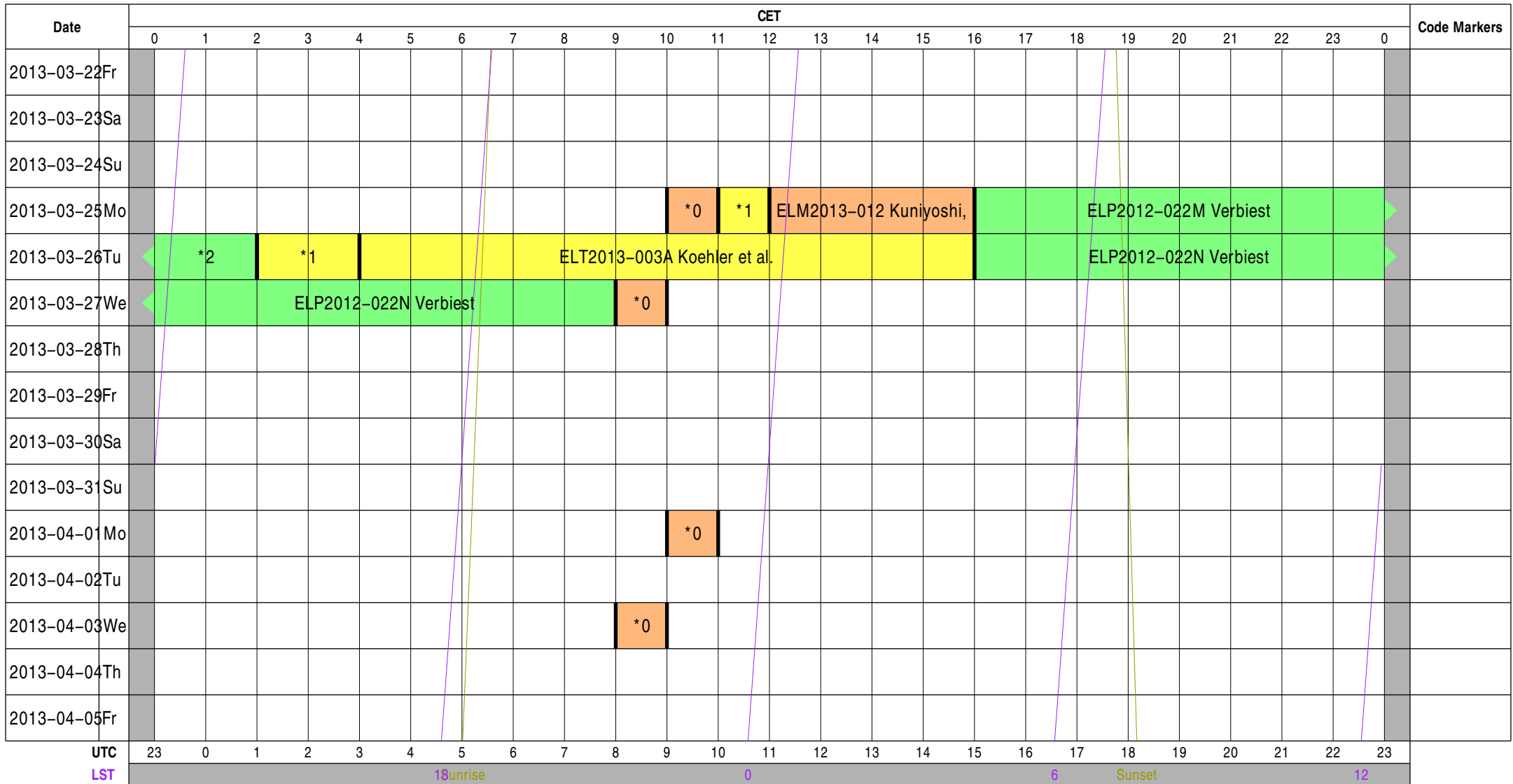
#### Color Meanings

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



# Observing Plan for lofarx Computer MPIfR Effelsberg LOFAR Station 2013-03-22 through 2013-04-05

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### Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELT2013-002 Wucknitz
- 2 ELP2012-022M Verbiest

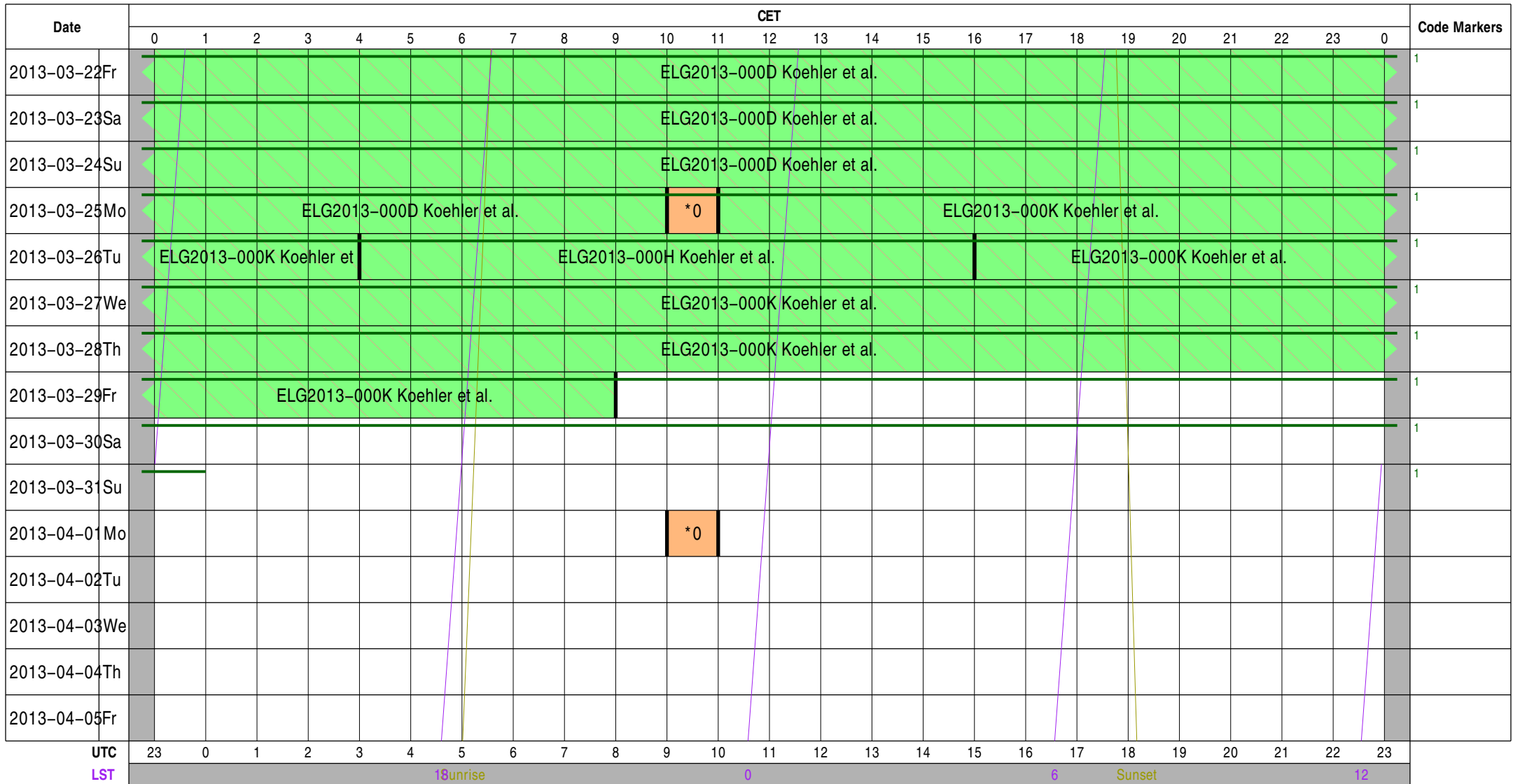
### Other Code Markers

### Color Meanings

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

# Observing Plan for Iofarsrv Computer MPIfR Effelsberg LOFAR Station 2013-03-22 through 2013-04-05

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### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

### Other Code Markers

1 ELP2012-002C Kuniyoshi

### Color Meanings

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

# Observing Plan for LOFAR Fiber Connection

## MPIfR Effelsberg LOFAR Station

### 2013-03-22 through 2013-04-05

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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				
2013-03-22Fr											ELI2013-000 LT Operations																			
2013-03-23Sa											ELI2013-000 LT Operations																			
2013-03-24Su											ELI2013-000 LT Operations																			
2013-03-25Mo	ELI2013-000 LT Operations										*0																			
2013-03-26Tu																														
2013-03-27We									*0		ELI2013-000 ILT Operations																			
2013-03-28Th											ELI2013-000 LT Operations																			
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2013-03-30Sa											ELI2013-000 LT Operations																			
2013-03-31Su											ELI2013-000 LT Operations																			
2013-04-01Mo	ELI2013-000 LT Operations										*0																			
2013-04-02Tu																														
2013-04-03We									*0		ELI2013-000 ILT Operations																			
2013-04-04Th											ELI2013-000 LT Operations																			
2013-04-05Fr											ELI2013-000 LT Operations																			
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																									18					
											0														6	Sunset				12

#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

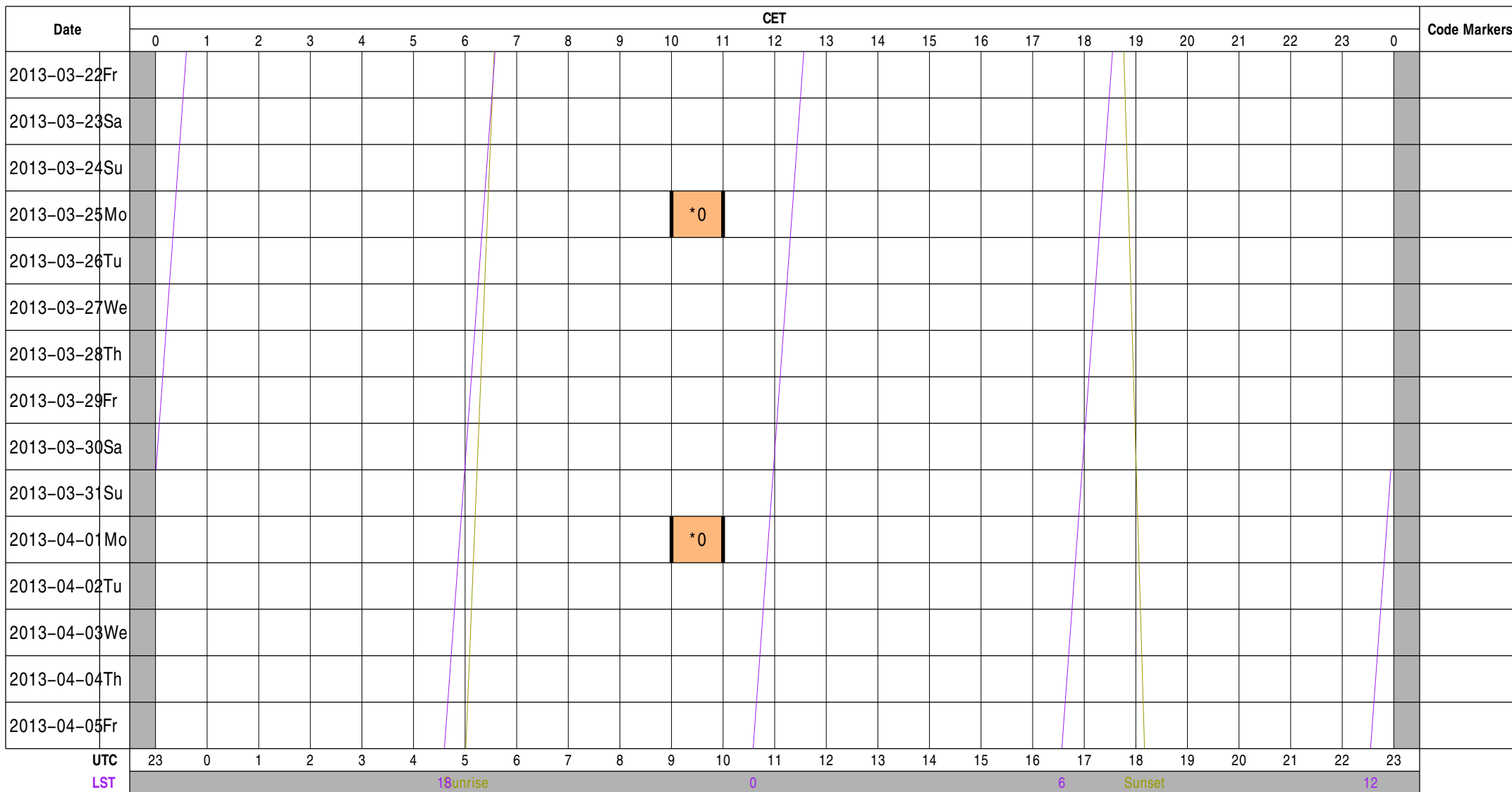
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

# Observing Plan for LOFAR Bonn--EF Fiber Connection

## MPIfR Effelsberg LOFAR Station

### 2013-03-22 through 2013-04-05

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#### Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

#### Other Code Markers

#### Color Meanings

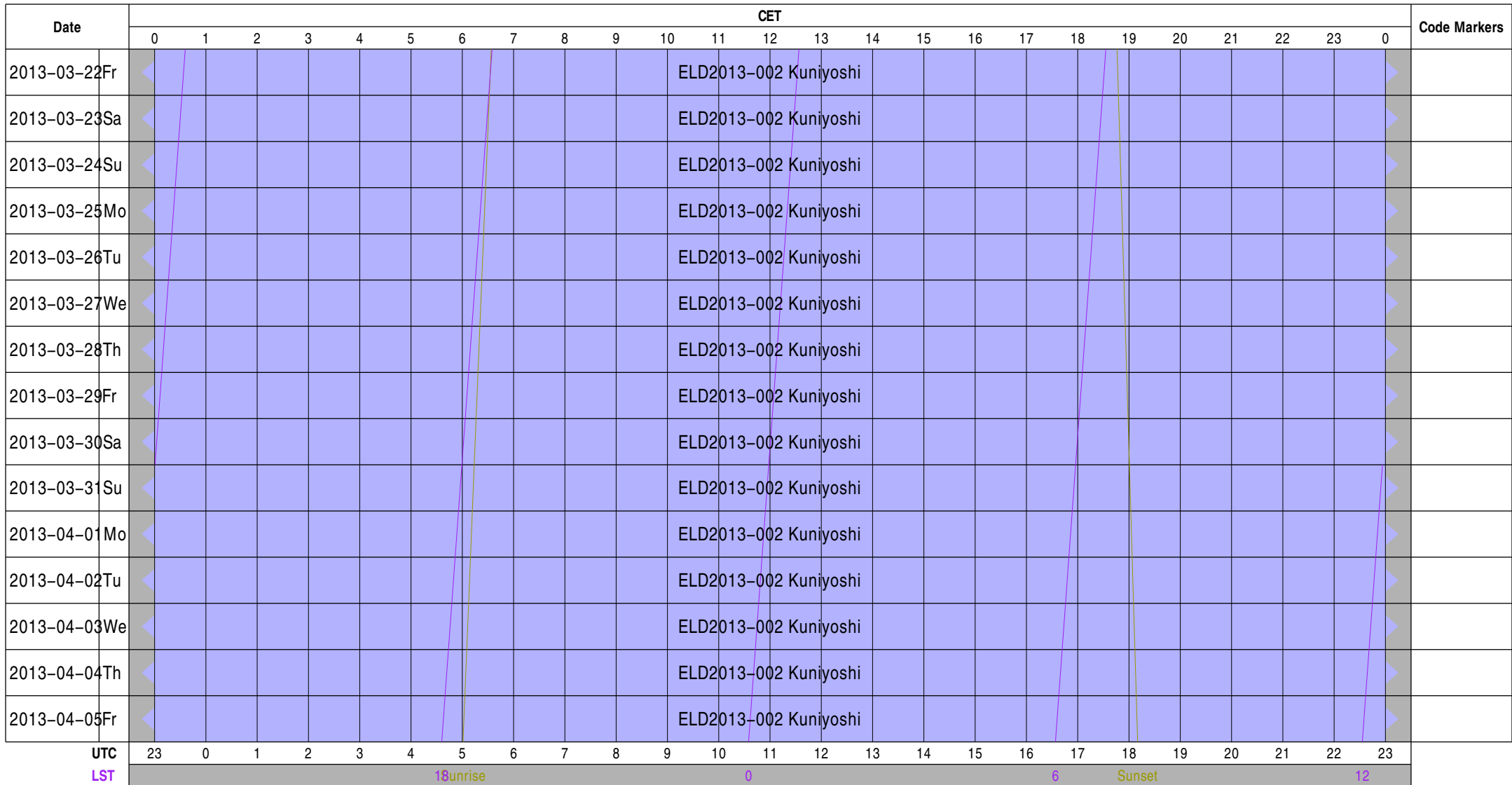
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

# Observing Plan for Operator On-Duty

## MPIfR Effelsberg LOFAR Station

### 2013-03-22 through 2013-04-05

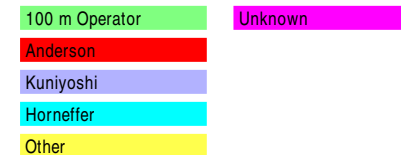
For any publication based on observations with the Effelsberg LOFAR station, please use the following acknowledgment: "Based on observations made with the Effelsberg LOFAR station of the Max-Planck-Institut für Radioastronomie (MPIfR) at Effelsberg."



Normal Experiment Code Markers

Other Code Markers

Color Meanings



## 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 D	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000 E	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000 F	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000 G	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000 H	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000 J	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000 K	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000 K	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>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)
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpifr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIfR time)
<b>ELP2012-022</b>	<b>Verbiest</b>	<b>verbiest@mpifr-bonn.mpg.de</b>	<b>+49 228 525 246</b>	<b>Assessing the Timing Potential of LOFAR for Pulsars</b>
ELP2012-022 M	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022 N	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022 N	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
<b>ELT2013-002</b>	<b>Wucknitz</b>	<b>wucknitz@mpifr-bonn.mpg.de</b>	<b>73-1772</b>	<b>testing TBB subband mode and station calibration</b>
ELT2013-002	Wucknitz	wucknitz@mpifr-bonn.mpg.de	73-1772	testing TBB subband mode and station calibration
ELT2013-002	Wucknitz	wucknitz@mpifr-bonn.mpg.de	73-1772	testing TBB subband mode and station calibration
<b>ELT2013-003</b>	<b>Koehler et al.</b>	<b>jana@mpifr-bonn.mpg.de</b>	<b>+49 228 525 533</b>	<b>testing 160MHz TBB</b>
ELT2013-003 A	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	testing 160MHz TBB

## Experiment Information for Other Actions

ELP2012-002	Kuniyoshi	mkunios@mpifr-bonn.mpg.de	+49 228 525 505	software testing
ELP2012-002 C	Kuniyoshi	mkunios@mpifr-bonn.mpg.de	+49 228 525 505	software testing

# Experiment Information for Operator On-Duty Schedule

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



## Time Usage [hours] for Normal Observations

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF_	duty
<b>ELG2013-000</b>							<b>166.00</b>	<b>118.00</b>		<b>176.00</b>			
ELG2013-000 D							82.00			82.00			
ELG2013-000 E								82.00					
ELG2013-000 F							14.00						
ELG2013-000 G							70.00						
ELG2013-000 H								12.00		12.00			
ELG2013-000 J								24.00					
ELG2013-000 K										17.00			
ELG2013-000 K										65.00			
<b>ELI2013-000</b>	<b>264.00</b>	<b>264.00</b>	<b>264.00</b>	<b>264.00</b>	<b>264.00</b>	<b>264.00</b>					<b>264.00</b>		
ELI2013-000	82.00	82.00	82.00	82.00	82.00	82.00					82.00		
ELI2013-000	120.00	120.00	120.00	120.00	120.00	120.00					120.00		
ELI2013-000	62.00	62.00	62.00	62.00	62.00	62.00					62.00		
<b>ELM2013-012</b>	<b>8.00</b>	<b>4.00</b>	<b>8.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>2.00</b>	<b>6.00</b>	<b>8.00</b>	<b>2.00</b>	<b>4.00</b>	<b>2.00</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	4.00		4.00					4.00	4.00				
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	
ELM2013-012	1.00	1.00	1.00	1.00	1.00	1.00			1.00		1.00		
<b>ELP2012-022</b>	<b>27.00</b>		<b>27.00</b>								<b>51.00</b>	<b>27.00</b>	
ELP2012-022 M	10.00		10.00						10.00	10.00			
ELP2012-022 N	17.00		17.00						17.00	17.00			
ELP2012-022 N									24.00				
<b>ELT2013-002</b>	<b>3.00</b>			<b>3.00</b>					<b>3.00</b>	<b>3.00</b>			
ELT2013-002	1.00			1.00					1.00	1.00			
ELT2013-002	2.00			2.00					2.00	2.00			
<b>ELT2013-003</b>	<b>12.00</b>		<b>12.00</b>				<b>12.00</b>		<b>12.00</b>				
ELT2013-003 A	12.00		12.00				12.00		12.00				

# Time Usage [hours] for Other Actions

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF_	duty
ELP2012-002										217.00			
ELP2012-002 C										217.00			





# 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) 46.11 32.78 48.89													
Science H (Ionosphere)													
Science N (AGN)													
Science O (Other)													
Science P (Pulsar) 7.50 7.50 14.17 7.50													
Science R (Cosmic Rays)													
Science S (Solar System)													
Test Observation 4.17 3.33 0.83 3.33 0.83 4.17													
Maintenance Mode 2.22 1.11 2.22 1.11 1.11 1.11 0.56 1.67 2.22 0.56 1.11 0.56													
ILT Mode 73.33 73.33 73.33 73.33 73.33 73.33 73.33 73.33													
<b>Effelsberg Mode</b>													
<b>GLOW Mode</b>													
<b>Juelich Mode</b>													
Unknown Code													
Idle 12.78 25.56 13.61 24.72 25.56 25.56 50.00 50.56 86.11 50.56 25.56 99.44													
<b>piggy-up</b>													
<b>Piggyback Control</b>													
Unknown Code													
Idle 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00													
<b>piggy-down</b>													
<b>Piggyback Without Control</b> 60.28													
Unknown Code													
Idle 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 39.72 100.00 100.00													
<b>warning</b>													
<b>Experiment Warning</b>													
Unknown Code													
Idle 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00													
<b>steal</b>													
<b>Override Possible</b>													
Unknown Code													
Idle 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00													
<b>duty</b>													
<b>100 m Operator</b>													
<b>Anderson</b>													
Kuniyoshi 100.00													
<b>Horneffer</b>													
<b>Other</b>													
<b>Unknown</b>													
Unknown Code													
Idle 0.00													