

Observing Plan for Station Control (LCU)

MPIfR Effelsberg LOFAR Station

2013-03-08 through 2013-03-22

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

Date	CET																								Code Markers											
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2013-03-09Sa											ELI2013-000 LT Operations																									
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2013-03-11Mo	ELI2013-000 LT Operations										*0		ELI2013-007C Koehler et al.																							
2013-03-12Tu	ELI2013-007C Koehler et al.										ELP2012-022K Verbiest																									
2013-03-13We	ELP2012-022K Verbiest										*0		ELI2013-000 ILT Operations																							
2013-03-14Th											ELI2013-000 LT Operations																									
2013-03-15Fr											ELI2013-000 LT Operations																									
2013-03-16Sa											ELI2013-000 LT Operations																									
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LST	12																																			
	Sunrise												0												Sunset											

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 Transient Buffer Boards

MPIfR Effelsberg LOFAR Station

2013-03-08 through 2013-03-22

Date	CET																								Code Markers											
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2013-03-09 Sa											ELI2013-000 LT Operations																									
2013-03-10 Su											ELI2013-000 LT Operations																									
2013-03-11 Mo	ELI2013-000 LT Operations										*0		ELI2013-007C Koehler et al.																							
2013-03-12 Tu	ELI2013-007C Koehler et al.																																			
2013-03-13 We											*0		ELI2013-000 ILT Operations																							
2013-03-14 Th											ELI2013-000 LT Operations																									
2013-03-15 Fr											ELI2013-000 LT Operations																									
2013-03-16 Sa											ELI2013-000 LT Operations																									
2013-03-17 Su											ELI2013-000 LT Operations																									
2013-03-18 Mo	ELI2013-000 LT Operations										*0																									
2013-03-19 Tu																																				
2013-03-20 We											*0		ELI2013-000 ILT Operations																							
2013-03-21 Th											ELI2013-000 LT Operations																									
2013-03-22 Fr											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	12																																			
	Sunrise												0												Sunset											

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 2013-03-08 through 2013-03-22

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Date	CET																								Code Markers			
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2013-03-11Mo	ELI2013-000 LT Operations										*0		ELI2013-007C Koehler et al.															
2013-03-12Tu	ELI2013-007C Koehler et al.										ELP2012-022K Verbiest																	
2013-03-13We	ELP2012-022K Verbiest										*0		ELI2013-000 ILT Operations															
2013-03-14Th											ELI2013-000 LT Operations																	
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LST	12																											
	Sunrise										0														Sunset			

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 Low Band High (LBA) MPIfR Effelsberg LOFAR Station 2013-03-08 through 2013-03-22

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2013-03-09 Sa											ELI2013-000 LT Operations																									
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2013-03-12 Tu	ELI2013-007C Koehler et al.																																			
2013-03-13 We											*0	ELI2013-000 ILT Operations																								
2013-03-14 Th											ELI2013-000 LT Operations																									
2013-03-15 Fr											ELI2013-000 LT Operations																									
2013-03-16 Sa											ELI2013-000 LT Operations																									
2013-03-17 Su											ELI2013-000 LT Operations																									
2013-03-18 Mo	ELI2013-000 LT Operations										*0																									
2013-03-19 Tu																																				
2013-03-20 We											*0	ELI2013-000 ILT Operations																								
2013-03-21 Th											ELI2013-000 LT Operations																									
2013-03-22 Fr											ELI2013-000 LT Operations																									
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LST	12																																			
	Sunrise												0												Sunset											

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 Low Band Low, Unused Inputs

MPIfR Effelsberg LOFAR Station

2013-03-08 through 2013-03-22

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2013-03-09Sa											ELI2013-000 LT Operations														
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2013-03-11Mo	ELI2013-000 LT Operations										*0														
2013-03-12Tu																									
2013-03-13We									*0		ELI2013-000 ILT Operations														
2013-03-14Th											ELI2013-000 LT Operations														
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2013-03-17Su											ELI2013-000 LT Operations														
2013-03-18Mo	ELI2013-000 LT Operations										*0														
2013-03-19Tu																									
2013-03-20We													*0		ELI2013-000 ILT Operations										
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LST	12		Sunrise						0						Sunset										

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 2013-03-08 through 2013-03-22

Date	CET																								Code Markers											
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2013-03-09 Sa	ELI2013-000 LT Operations																																			
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2013-03-13 We											*0	ELI2013-000 ILT Operations																								
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LST	12																																			
	Sunrise												0												Sunset											

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

2013-03-08 through 2013-03-22

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2013-03-12 Tu	ELI2013-007C Koehler et al.												ELG2013-000C Koehler et al.															
2013-03-13 We	ELG2013-000C Koehler et al.																											
2013-03-14 Th	ELG2013-000C Koehler et al.																											
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2013-03-16 Sa	ELG2013-000C Koehler et al.																											
2013-03-17 Su	ELG2013-000C Koehler et al.																											
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LST	12																											
	Sunrise										0														Sunset			

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 2013-03-08 through 2013-03-22

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2013-03-12 Tu	ELI2013-007C Koehler et al.												ELP2012-022K Verbiest													
2013-03-13 We	ELP2012-022K Verbiest												ELP2012-022L Verbiest											*1		
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2013-03-16 Sa	ELG2013-000C Koehler et al.																									
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Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELG2013-000C Koehler et al.

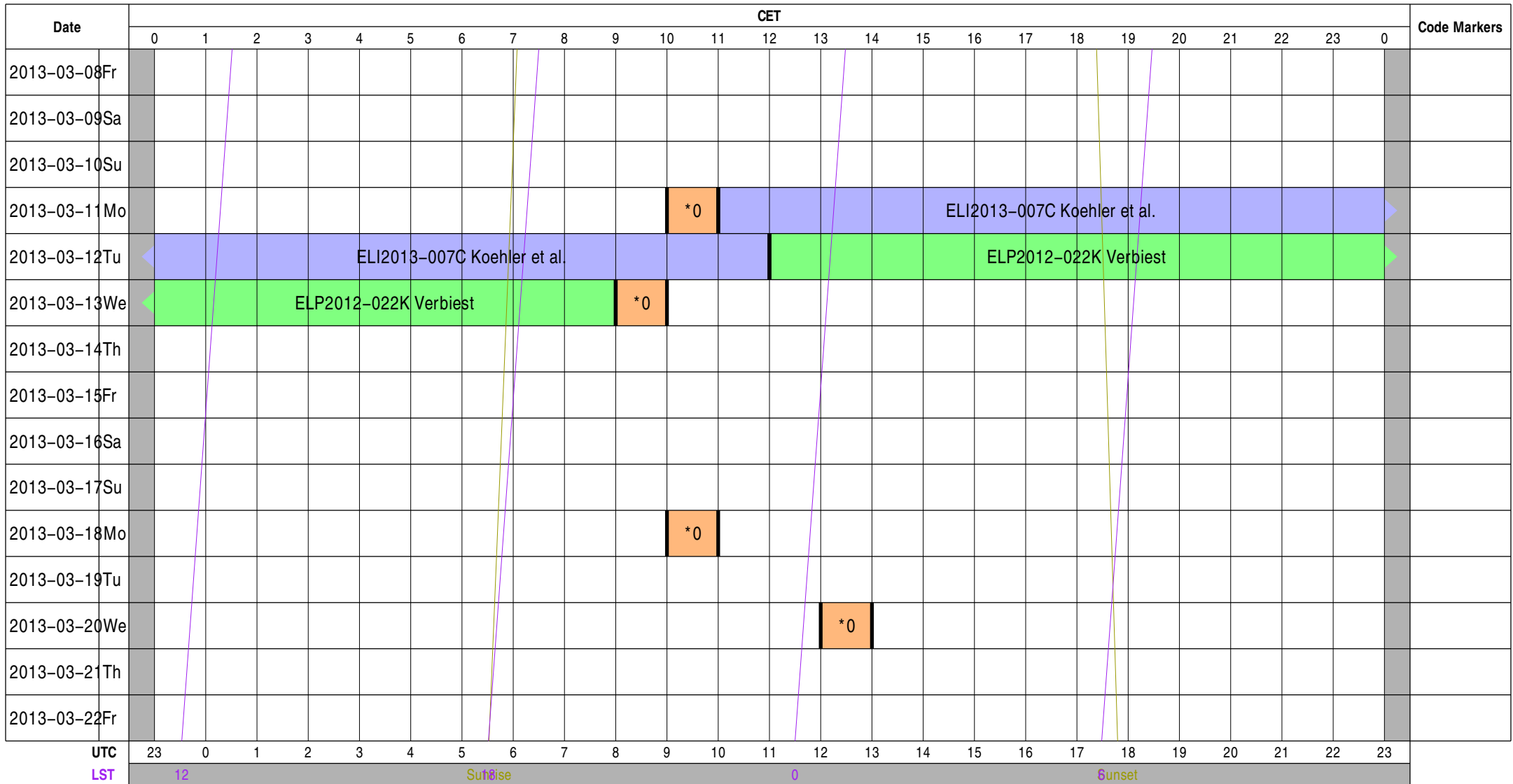
Other Code Markers

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 lofarx Computer MPIfR Effelsberg LOFAR Station 2013-03-08 through 2013-03-22

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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 Iofarsrv Computer MPIfR Effelsberg LOFAR Station 2013-03-08 through 2013-03-22

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2013-03-10Su											ELG2013-000B Koehler et al.										1				
2013-03-11Mo										*0		ELI2013-007C Koehler et al.										1			
2013-03-12Tu	ELI2013-007C Koehler et al.										ELG2013-000C Koehler et al.										1				
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2013-03-21Th																									1
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UTC 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

LST 12 Sunrise 0 Sunset

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

2013-03-08 through 2013-03-22

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Date	CET																								Code Markers		
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2013-03-12Tu																											
2013-03-13We										*0	ELI2013-000 ILT Operations																
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2013-03-15Fr	ELI2013-000 LT Operations																										
2013-03-16Sa	ELI2013-000 LT Operations																										
2013-03-17Su	ELI2013-000 LT Operations																										
2013-03-18Mo	ELI2013-000 LT Operations										*0																
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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

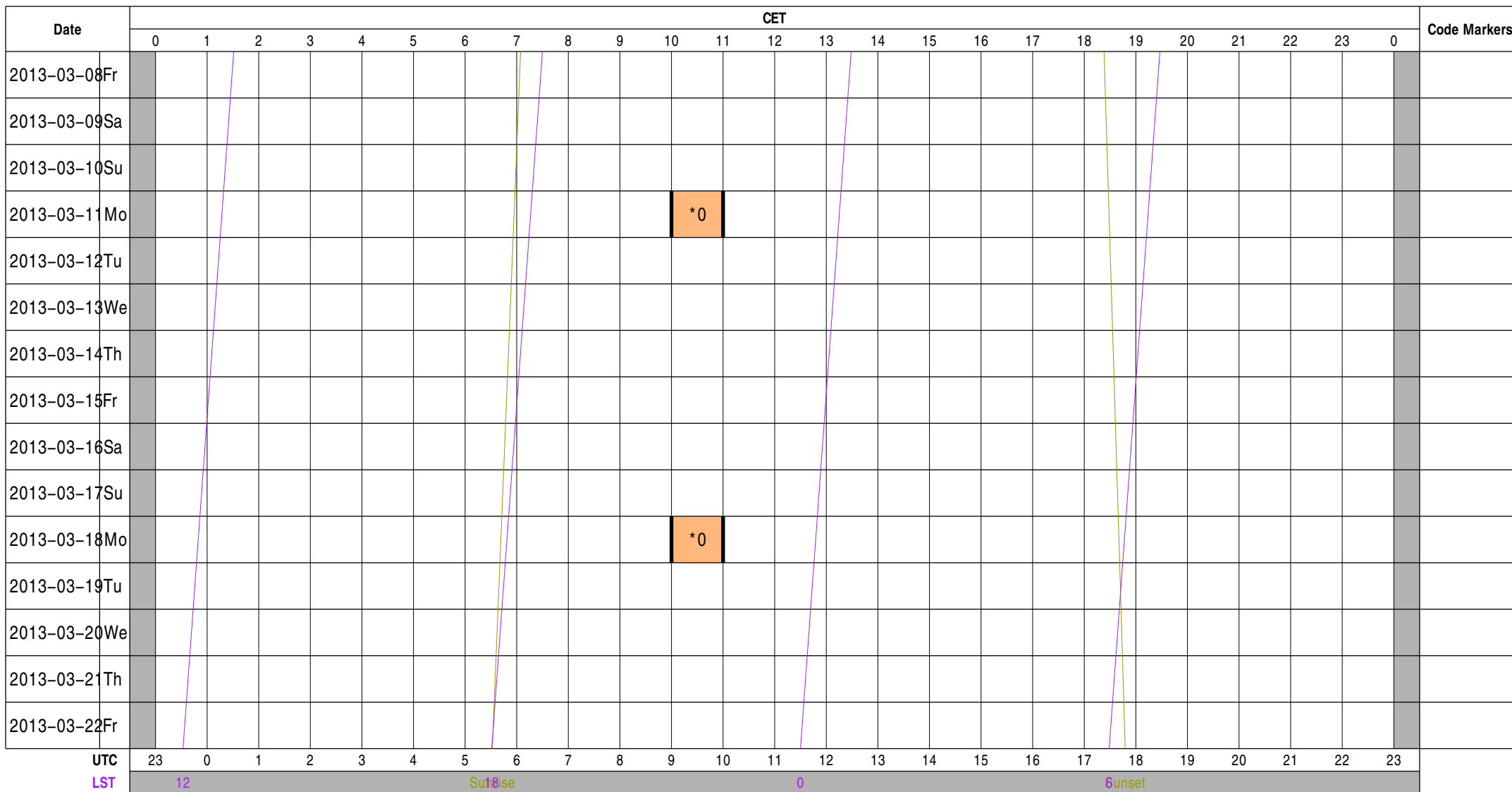
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Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning
Science H (Ionosphere)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

Observing Plan for LOFAR Bonn--EF Fiber Connection

MPIfR Effelsberg LOFAR Station

2013-03-08 through 2013-03-22

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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

2013-03-08 through 2013-03-22

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

Date	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	
2013-03-08Fr	ELD2013-002 Kuniyoshi																								
2013-03-09Sa	ELD2013-002 Kuniyoshi																								
2013-03-10Su	ELD2013-002 Kuniyoshi																								
2013-03-11Mo	ELD2013-002 Kuniyoshi																								
2013-03-12Tu	ELD2013-002 Kuniyoshi																								
2013-03-13We	ELD2013-002 Kuniyoshi																								
2013-03-14Th	ELD2013-002 Kuniyoshi																								
2013-03-15Fr	ELD2013-002 Kuniyoshi																								
2013-03-16Sa	ELD2013-002 Kuniyoshi																								
2013-03-17Su	ELD2013-002 Kuniyoshi																								
2013-03-18Mo	ELD2013-002 Kuniyoshi																								
2013-03-19Tu	ELD2013-002 Kuniyoshi																								
2013-03-20We	ELD2013-002 Kuniyoshi																								
2013-03-21Th	ELD2013-002 Kuniyoshi																								
2013-03-22Fr	ELD2013-002 Kuniyoshi																								

UTC 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

LST 12

Sunrise 0 Sunset

6

Normal Experiment Code Markers

Other Code Markers

Color Meanings

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

Experiment Information for Normal Observations

ELG2013-000	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
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
ELI2013-007	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELI2013-007	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
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)
ELP2012-022	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars

Experiment Information for Other Actions

ELP2012-002	Kuniyoshi	mkunios@mpifr-bonn.mpg.de	+49 228 525 505	software testing
ELP2012-002	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
ELG2013-000							224.00	191.00		224.00			
ELG2013-000 B								82.00		82.00			
ELG2013-000 C							82.00						
ELG2013-000 C								109.00					
ELG2013-000 C							142.00			142.00			
ELI2013-000	260.00	260.00	260.00	260.00	260.00	260.00							260.00
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	58.00	58.00	58.00	58.00	58.00	58.00							58.00
ELI2013-007	25.00	25.00	25.00	25.00			25.00	25.00	25.00	25.00			
ELI2013-007 C	25.00	25.00	25.00	25.00			25.00	25.00	25.00	25.00			
ELM2013-012	4.00	4.00	4.00	4.00	4.00	4.00	2.00	2.00	4.00	2.00	4.00	2.00	
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
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
ELP2012-022	21.00		21.00					33.00	21.00				
ELP2012-022 K	21.00		21.00					21.00	21.00				
ELP2012-022 L								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										360.00			
ELP2012-002 C										360.00			

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
normal													
Science A (Astrometry)													
Science C (Cosmology)													
Science E (Extragalactic)													
Science G (Galactic) 62.22 53.06 62.22													
Science H (Ionosphere)													
Science N (AGN)													
Science O (Other)													
Science P (Pulsar) 5.83 5.83 9.17 5.83													
Science R (Cosmic Rays)													
Science S (Solar System)													
Test Observation													
Maintenance Mode 1.11 1.11 1.11 1.11 1.11 1.11 0.56 0.56 1.11 0.56 1.11 0.56													
ILT Mode 79.17 79.17 79.17 79.17 72.22 72.22 6.94 6.94 6.94 6.94 72.22													
Effelsberg Mode													
GLOW Mode													
Juelich Mode													
Unknown Code													
Idle 13.89 19.72 13.89 19.72 26.67 26.67 30.28 30.28 86.11 30.28 26.67 99.44													
piggy-up													
Piggyback Control													
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													
piggy-down													
Piggyback Without Control 100.00													
Unknown Code													
Idle 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 0.00 100.00 100.00													
warning													
Experiment Warning													
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													
steal													
Override Possible													
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													
duty													
100 m Operator													
Anderson													
Kuniyoshi 100.00													
Horneffer													
Other													
Unknown													
Unknown Code													
Idle 0.00													