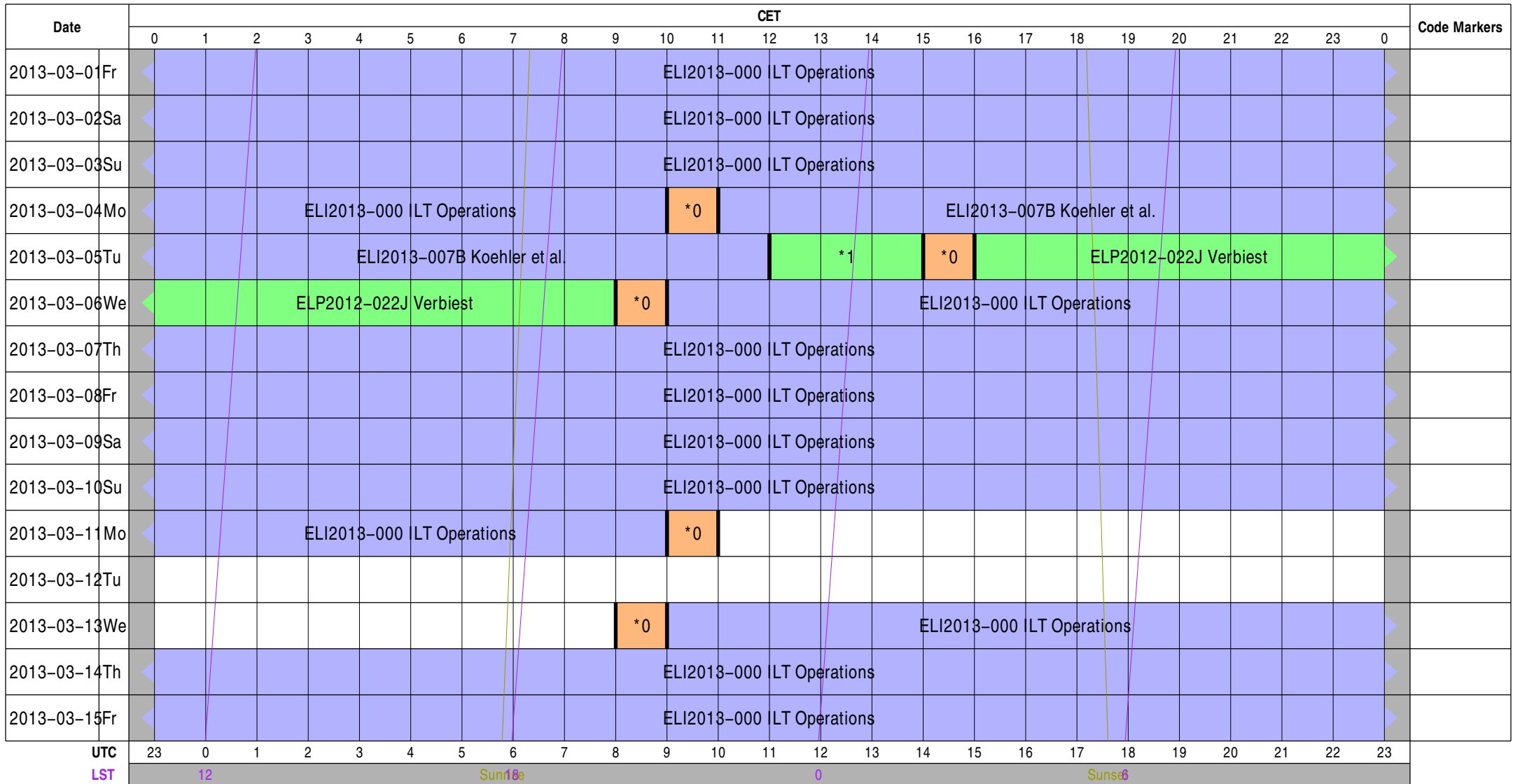


Observing Plan for Station Control (LCU)

MPIfR Effelsberg LOFAR Station

2013-03-01 through 2013-03-15

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
- 1 ELP2012-022H 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

2013-03-01 through 2013-03-15

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																						
2013-03-01 Fr											ELI2013-000 LT Operations																																					
2013-03-02 Sa											ELI2013-000 LT Operations																																					
2013-03-03 Su											ELI2013-000 LT Operations																																					
2013-03-04 Mo	ELI2013-000 LT Operations										*0	ELI2013-007B Koehler et al.																																				
2013-03-05 Tu											ELI2013-007B Koehler et al.																																					
2013-03-06 We											*0	ELI2013-000 ILT Operations																																				
2013-03-07 Th											ELI2013-000 LT Operations																																					
2013-03-08 Fr											ELI2013-000 LT Operations																																					
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																																					
2013-03-12 Tu																																																
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																																					
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 2013-03-01 through 2013-03-15

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		
2013-03-01 Fr	ELI2013-000 LT Operations																											
2013-03-02 Sa	ELI2013-000 LT Operations																											
2013-03-03 Su	ELI2013-000 LT Operations																											
2013-03-04 Mo	ELI2013-000 LT Operations										*0	ELI2013-007B Koehler et al.																
2013-03-05 Tu	ELI2013-007B Koehler et al.											*1	*0	ELP2012-022J Verbiest														
2013-03-06 We	ELP2012-022J Verbiest										*0	ELI2013-000 ILT Operations																
2013-03-07 Th	ELI2013-000 LT Operations																											
2013-03-08 Fr	ELI2013-000 LT Operations																											
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																	
2013-03-12 Tu																												
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																											
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												Sunset															

Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELP2012-022H 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 2013-03-01 through 2013-03-15

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																						
2013-03-01 Fr	ELI2013-000 LT Operations																																															
2013-03-02 Sa	ELI2013-000 LT Operations																																															
2013-03-03 Su	ELI2013-000 LT Operations																																															
2013-03-04 Mo	ELI2013-000 LT Operations										*0	ELI2013-007B Koehler et al.																																				
2013-03-05 Tu	ELI2013-007B Koehler et al.																																															
2013-03-06 We											*0	ELI2013-000 ILT Operations																																				
2013-03-07 Th											ELI2013-000 LT Operations																																					
2013-03-08 Fr											ELI2013-000 LT Operations																																					
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																																					
2013-03-12 Tu																																																
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																																					
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 Low Band Low, Unused Inputs

MPIfR Effelsberg LOFAR Station

2013-03-01 through 2013-03-15

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
2013-03-01 Fr											ELI2013-000 LT Operations															
2013-03-02 Sa											ELI2013-000 LT Operations															
2013-03-03 Su											ELI2013-000 LT Operations															
2013-03-04 Mo	ELI2013-000 LT Operations										*0															
2013-03-05 Tu																										
2013-03-06 We									*0		ELI2013-000 ILT Operations															
2013-03-07 Th											ELI2013-000 LT Operations															
2013-03-08 Fr											ELI2013-000 LT Operations															
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															
2013-03-12 Tu																										
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															
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												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 2013-03-01 through 2013-03-15

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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
2013-03-01 Fr	ELI2013-000 LT Operations																									
2013-03-02 Sa	ELI2013-000 LT Operations																									
2013-03-03 Su	ELI2013-000 LT Operations																									
2013-03-04 Mo	ELI2013-000 LT Operations										*0															
2013-03-05 Tu																										
2013-03-06 We	*0		ELI2013-000 ILT Operations																							
2013-03-07 Th	ELI2013-000 LT Operations																									
2013-03-08 Fr	ELI2013-000 LT Operations																									
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															
2013-03-12 Tu																										
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																									
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

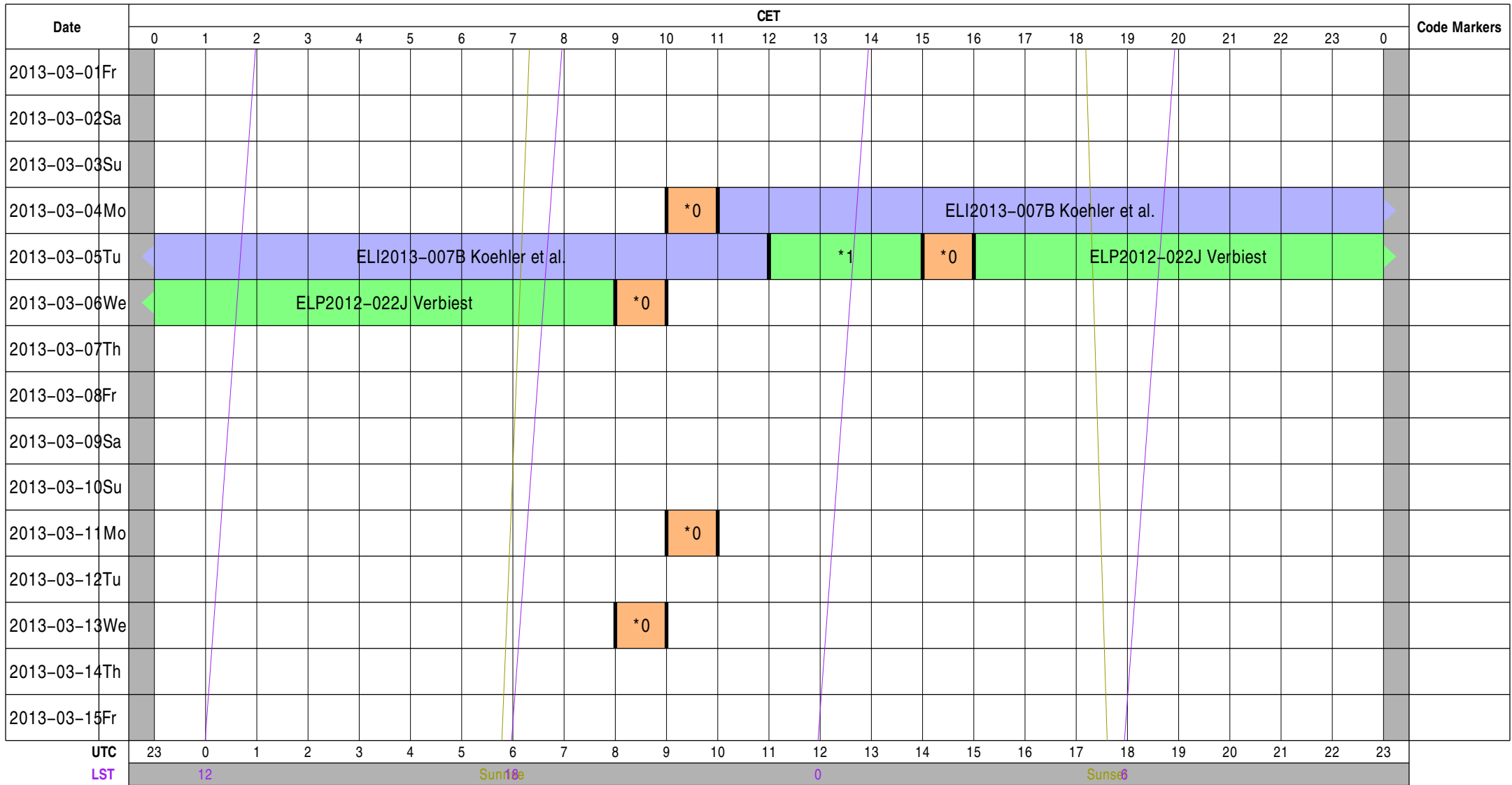
Other Code Markers

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 lofarx Computer MPIfR Effelsberg LOFAR Station 2013-03-01 through 2013-03-15

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
- 1 ELP2012-022H 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 LOFAR Fiber Connection MPIfR Effelsberg LOFAR Station 2013-03-01 through 2013-03-15

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																							
2013-03-01 Fr	ELI2013-000 LT Operations																																																
2013-03-02 Sa	ELI2013-000 LT Operations																																																
2013-03-03 Su	ELI2013-000 LT Operations																																																
2013-03-04 Mo	ELI2013-000 LT Operations										*0																																						
2013-03-05 Tu																																																	
2013-03-06 We	*0		ELI2013-000 ILT Operations																																														
2013-03-07 Th	ELI2013-000 LT Operations																																																
2013-03-08 Fr	ELI2013-000 LT Operations																																																
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																																						
2013-03-12 Tu																																																	
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																																																
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

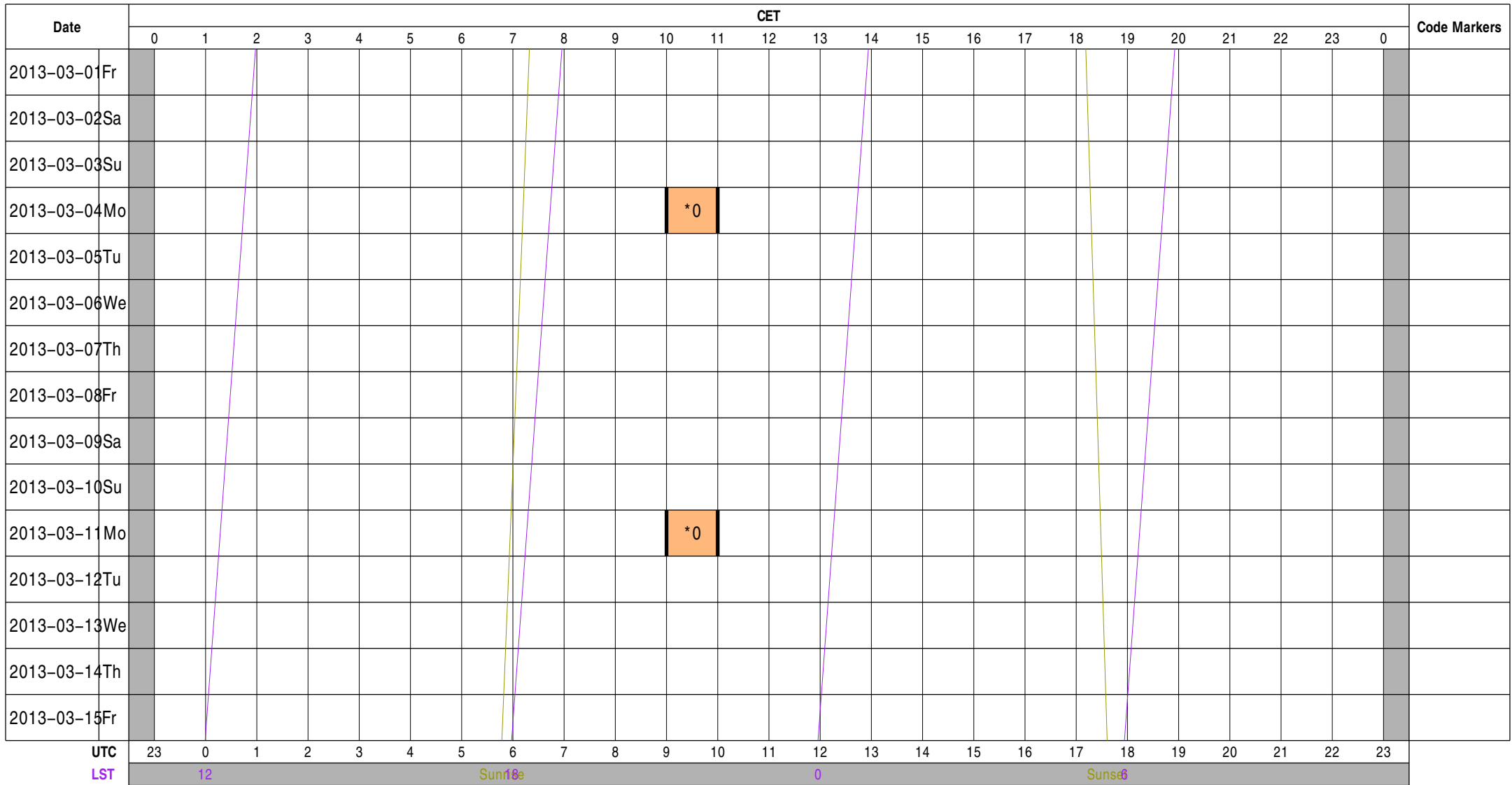
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for LOFAR Bonn--EF Fiber Connection

MPIfR Effelsberg LOFAR Station

2013-03-01 through 2013-03-15

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

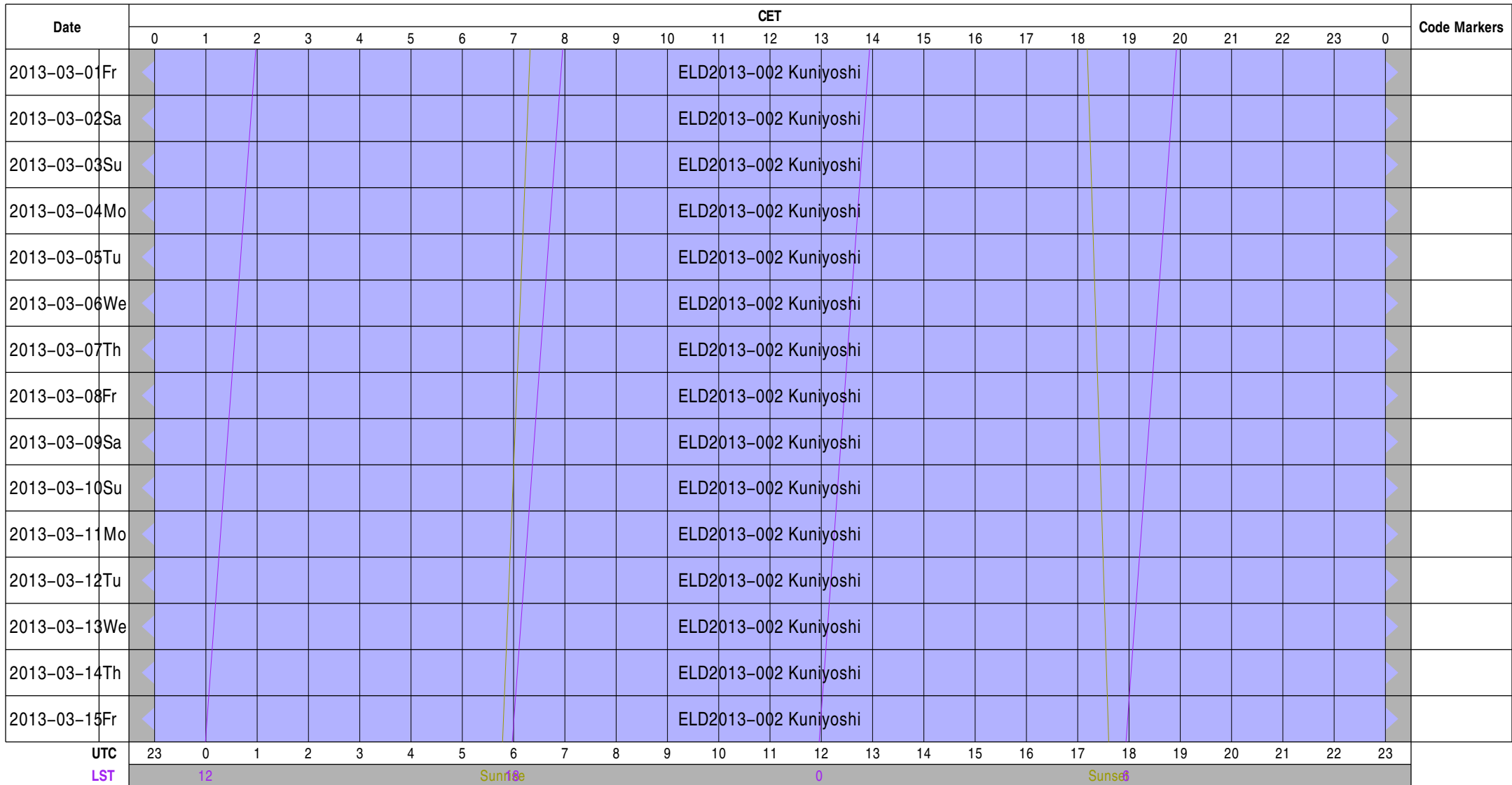
Color Meanings

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

2013-03-01 through 2013-03-15



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
ELI2013-000	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)
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
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
ELP2012-002	Kuniyoshi	mkunios@mpifr-bonn.mpg.de	+49 228 525 505	software testing

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
ELG2013-000							123.00	156.00		156.00			
ELG2013-000							14.00	14.00		14.00			
ELG2013-000 B								142.00		142.00			
ELG2013-000 C							109.00						
ELI2013-000	264.00	264.00	264.00	264.00	264.00	264.00							264.00
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	62.00	62.00	62.00	62.00	62.00	62.00							62.00
ELI2013-007	25.00	25.00	25.00	25.00			25.00	25.00	25.00				
ELI2013-007 B	25.00	25.00	25.00	25.00			25.00	25.00	25.00				
ELM2013-012	5.00	4.00	5.00	4.00	4.00	4.00	2.00	2.00	5.00	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	
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		
ELP2012-022	20.00		20.00				33.00		20.00				
ELP2012-022 H	3.00		3.00				3.00		3.00				
ELP2012-022 I							1.00						
ELP2012-022 J	17.00		17.00				17.00		17.00				
ELP2012-022 K							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 B										1.00			
ELP2012-002 C										359.00			

Summary of Time Usage [total=360.00 hours] 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)													
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													
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													

