

Observing Plan for Transient Buffer Boards

MPIfR Effelsberg LOFAR Station

2013-01-25 through 2013-02-08

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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2013-01-25Fr	ELI2013-000X ILT Operations																														
2013-01-26Sa	ELI2013-000X ILT Operations																								*0						
2013-01-27Su																															
2013-01-28Mo																															
2013-01-29Tu																															
2013-01-30We											*0	ELI2013-000X ILT Operations																			
2013-01-31Th	ELI2013-000X ILT Operations																														
2013-02-01Fr	ELI2013-000X ILT Operations																														
2013-02-02Sa	ELI2013-000X ILT Operations																														
2013-02-03Su	ELI2013-000X ILT Operations																														
2013-02-04Mo	ELI2013-000X ILT Operations									*0																					
2013-02-05Tu													ELI2013-007 Koehler et al.																		
2013-02-06We	ELI2013-007 Koehler et al.												*0	ELI2013-000 ILT Operations																	
2013-02-07Th	ELI2013-000 ILT Operations																														
2013-02-08Fr	ELI2013-000 ILT 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					18					0					Sunset					6	

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 2013-01-25 through 2013-02-08

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Date	CET																								Code Markers	
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2013-01-25Fr	ELI2013-000X ILT Operations																									
2013-01-26Sa	ELI2013-000X ILT Operations																									
2013-01-27Su	* 1				ELP2012-022C Verbiest				ELO2012-002C Kuniyoshi				ELP2012-022C Verbiest													
2013-01-28Mo										* 2		ELP2012-022D Verbiest														
2013-01-29Tu																										
2013-01-30We											* 0	ELI2013-000X ILT Operations														
2013-01-31Th	ELI2013-000X ILT Operations																									
2013-02-01Fr	ELI2013-000X ILT Operations																									
2013-02-02Sa	ELI2013-000X ILT Operations																									
2013-02-03Su	ELI2013-000X ILT Operations																									
2013-02-04Mo	ELI2013-000X ILT Operations									* 0																
2013-02-05Tu													ELI2013-007 Koehler et al.													
2013-02-06We	ELI2013-007 Koehler et al.												* 0	ELI2013-000 ILT Operations												
2013-02-07Th	ELI2013-000 ILT Operations																									
2013-02-08Fr	ELI2013-000 ILT 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																										
													Sunrise													Sunset
													12													6
													18													

Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELO2012-002B Kuniyoshi
- 2 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 Low Band High (LBA) MPIfR Effelsberg LOFAR Station 2013-01-25 through 2013-02-08

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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
2013-01-25Fr	ELI2013-000X ILT Operations																									
2013-01-26Sa	ELI2013-000X ILT Operations																								*0	
2013-01-27Su																										
2013-01-28Mo																										
2013-01-29Tu																										
2013-01-30We	ELI2013-000X ILT Operations																								*0	
2013-01-31Th	ELI2013-000X ILT Operations																									
2013-02-01Fr	ELI2013-000X ILT Operations																									
2013-02-02Sa	ELI2013-000X ILT Operations																									
2013-02-03Su	ELI2013-000X ILT Operations																									
2013-02-04Mo	ELI2013-000X ILT Operations																								*0	
2013-02-05Tu	ELI2013-007 Koehler et al.																									
2013-02-06We	ELI2013-007 Koehler et al.																								*0	
2013-02-07Th	ELI2013-000 ILT Operations																									
2013-02-08Fr	ELI2013-000 ILT 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																								18	
	Sunrise																								Sunset	
	6																									

Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

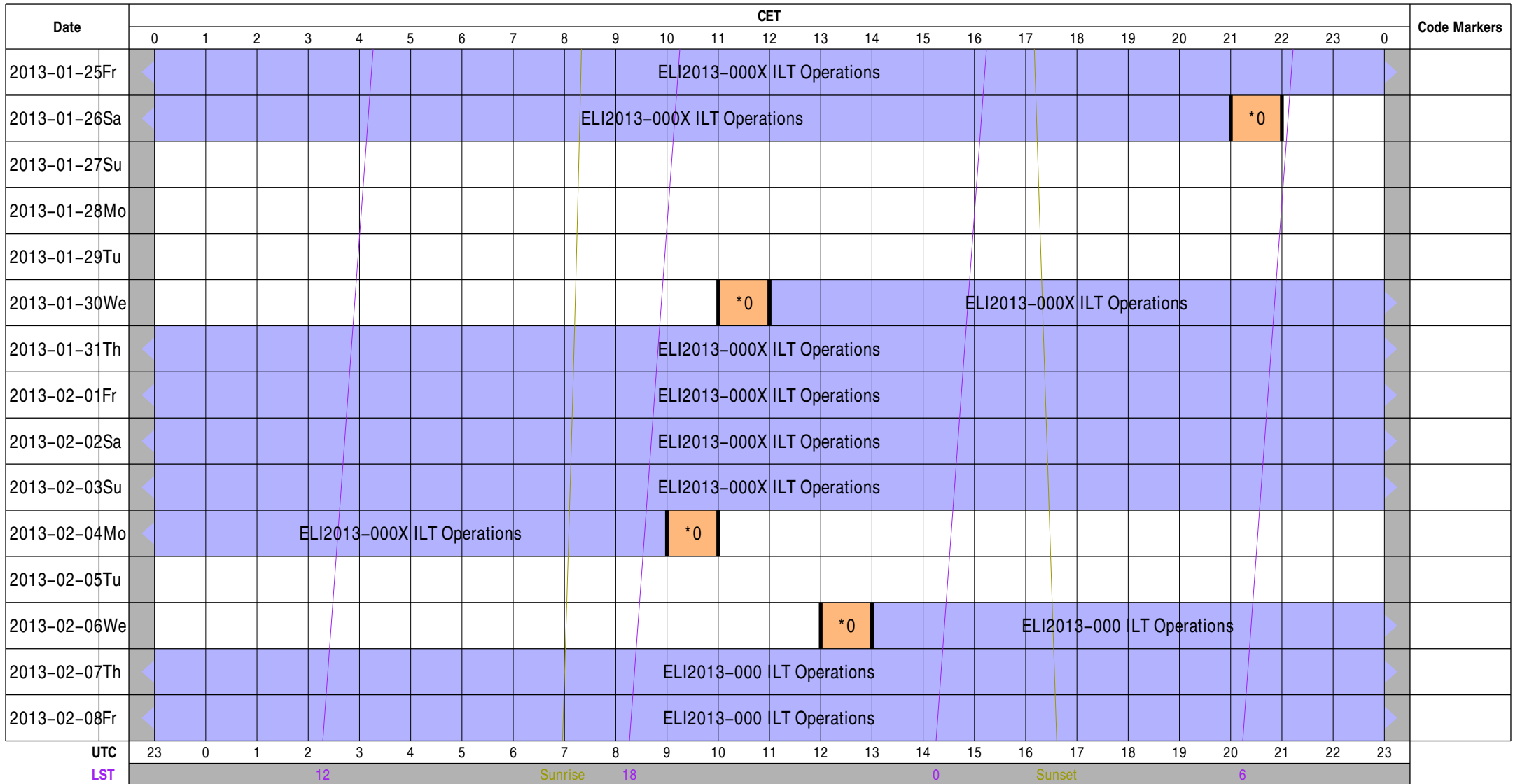
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for Low Band Low, Unused Inputs

MPIfR Effelsberg LOFAR Station

2013-01-25 through 2013-02-08

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

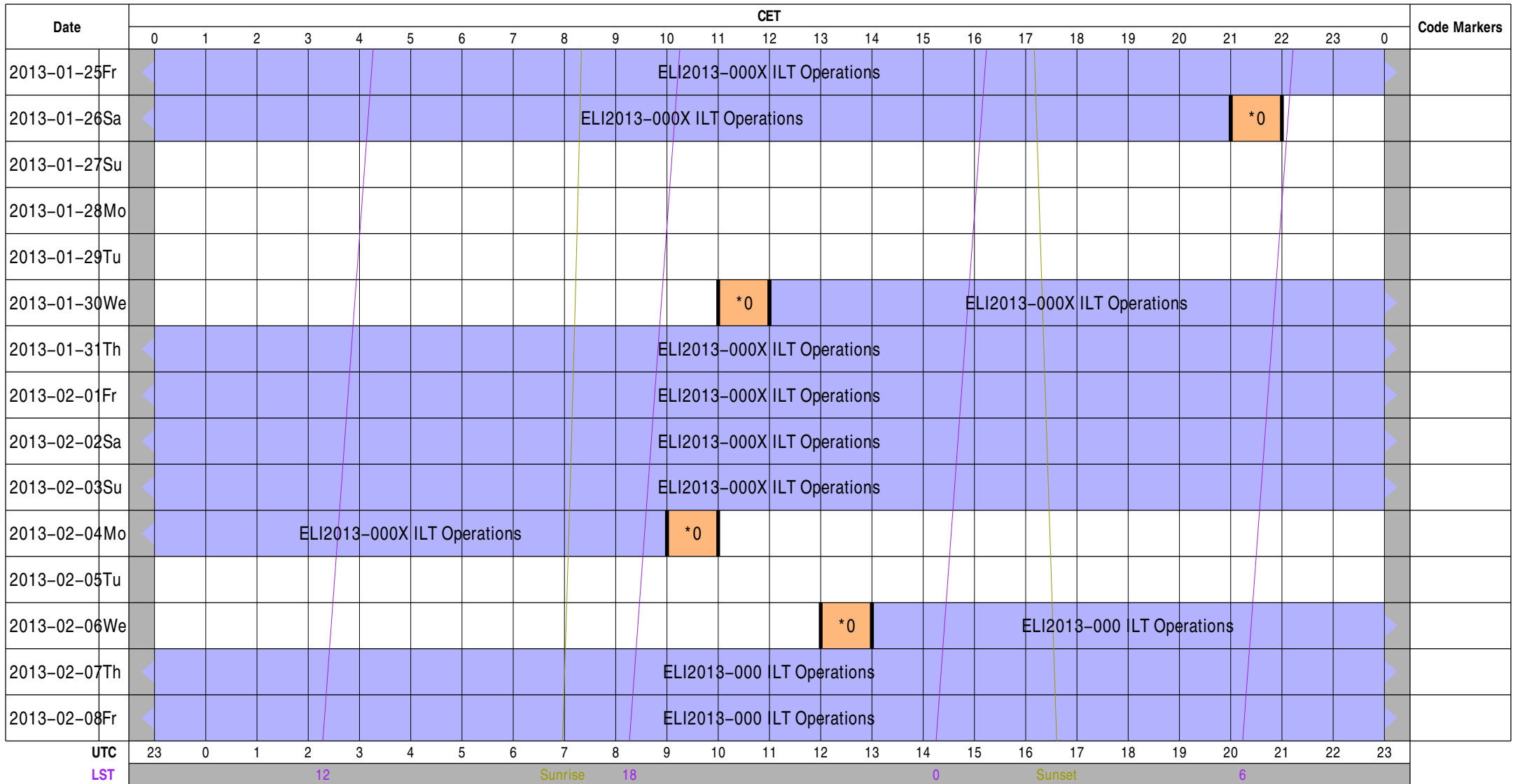
Other Code Markers

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 Station Interferometer MPIfR Effelsberg LOFAR Station 2013-01-25 through 2013-02-08

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

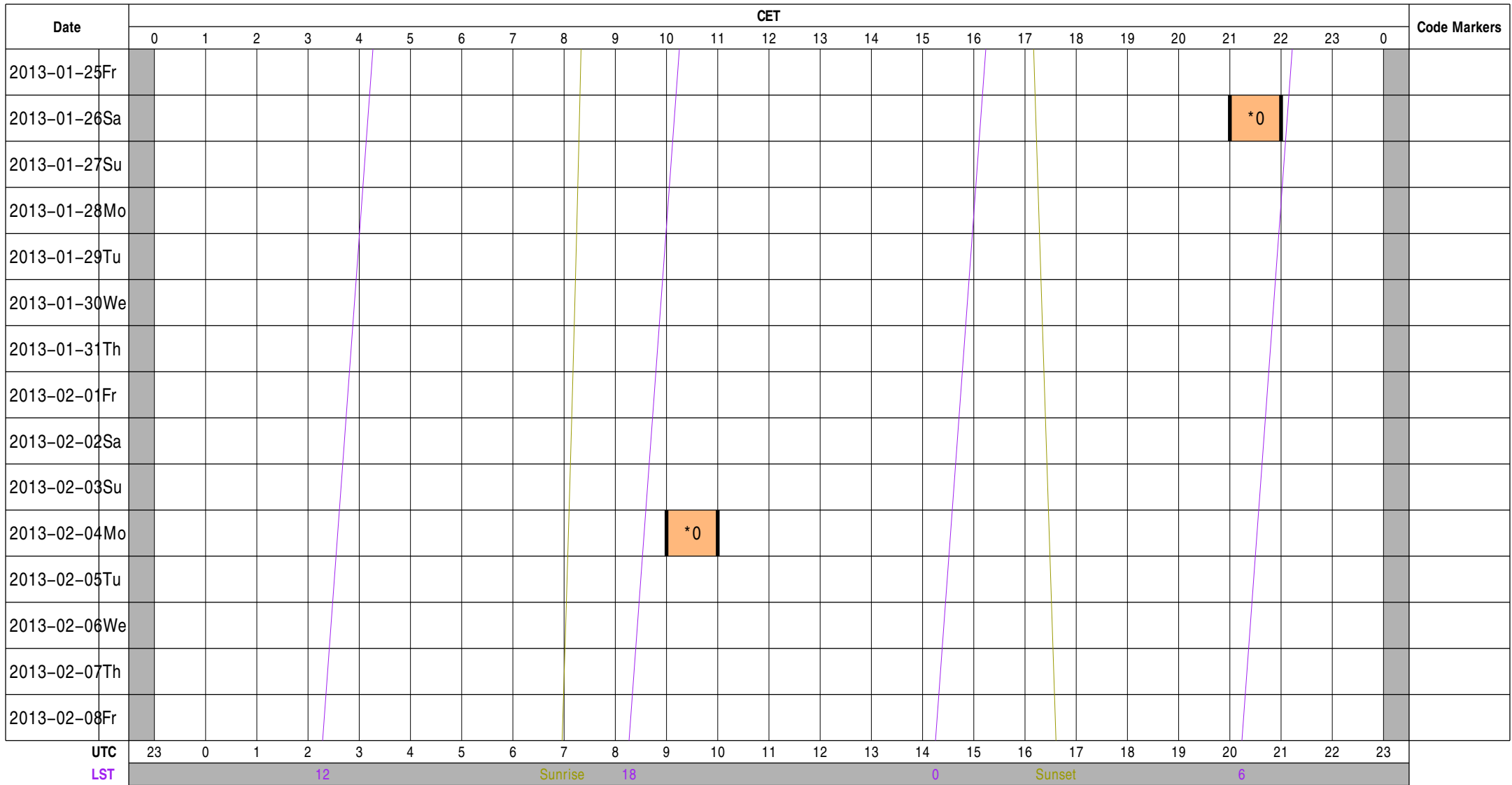
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for lofar1 Computer

MPIfR Effelsberg LOFAR Station

2013-01-25 through 2013-02-08

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

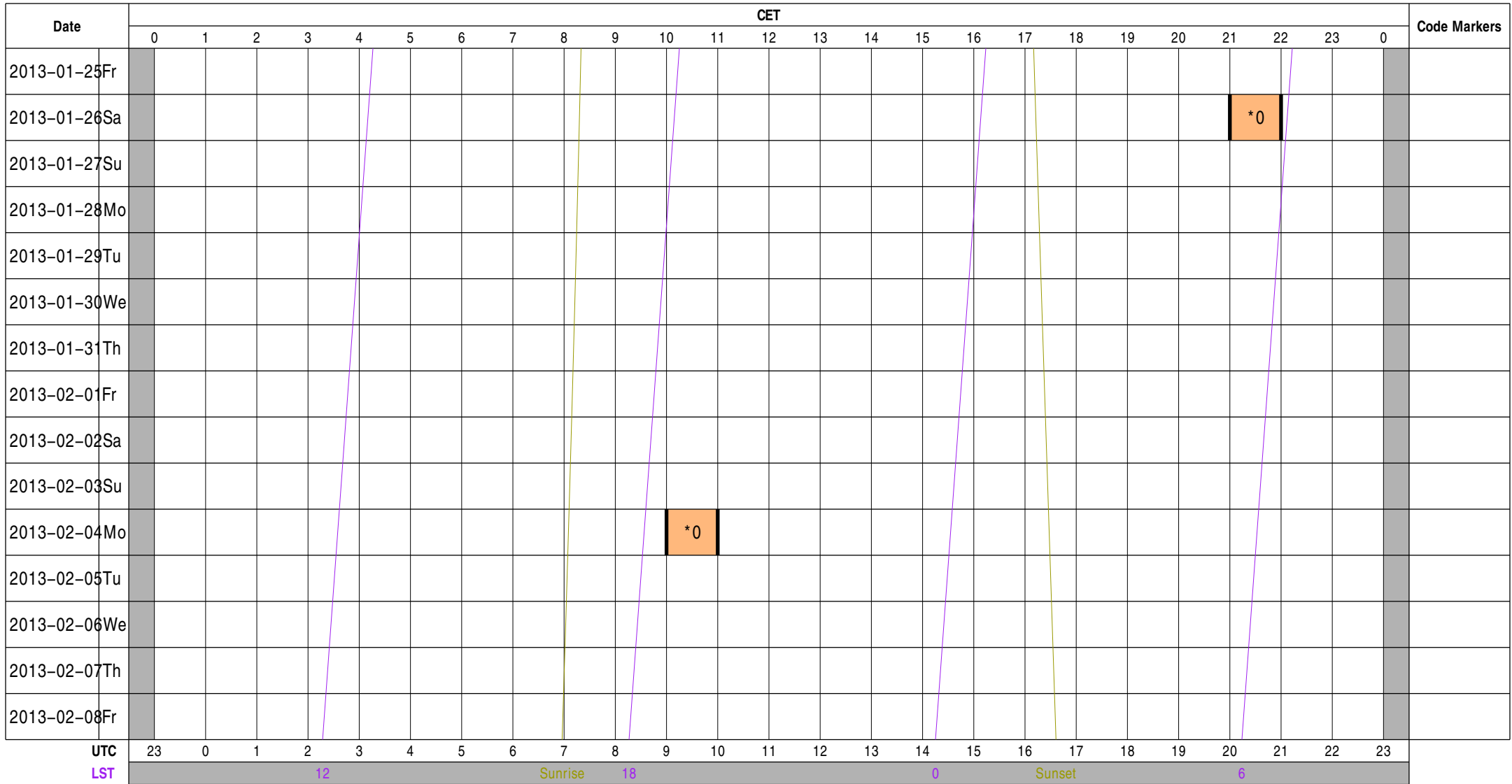
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for lofar2 Computer

MPIfR Effelsberg LOFAR Station

2013-01-25 through 2013-02-08

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

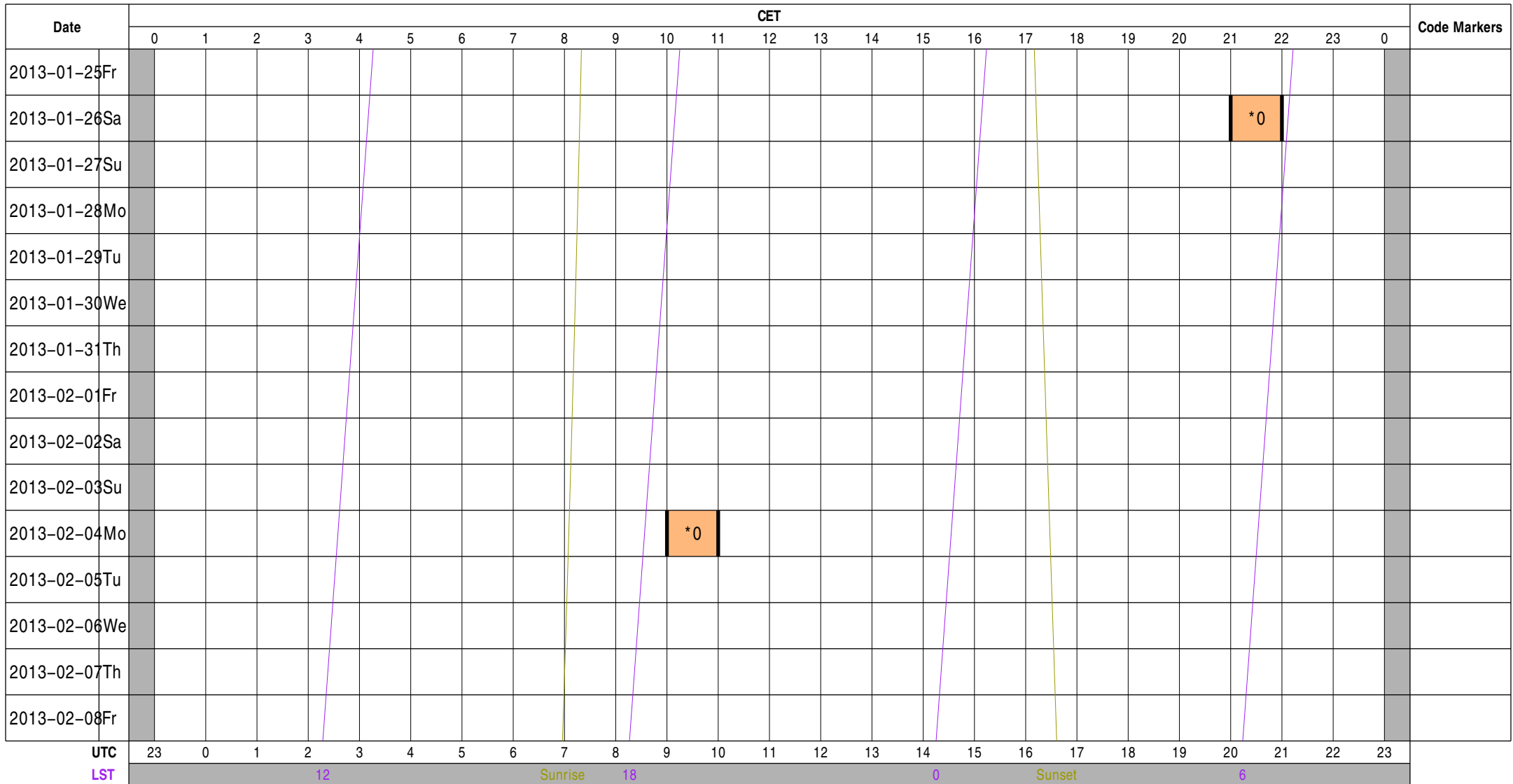
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for lofar3 Computer

MPIfR Effelsberg LOFAR Station

2013-01-25 through 2013-02-08

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

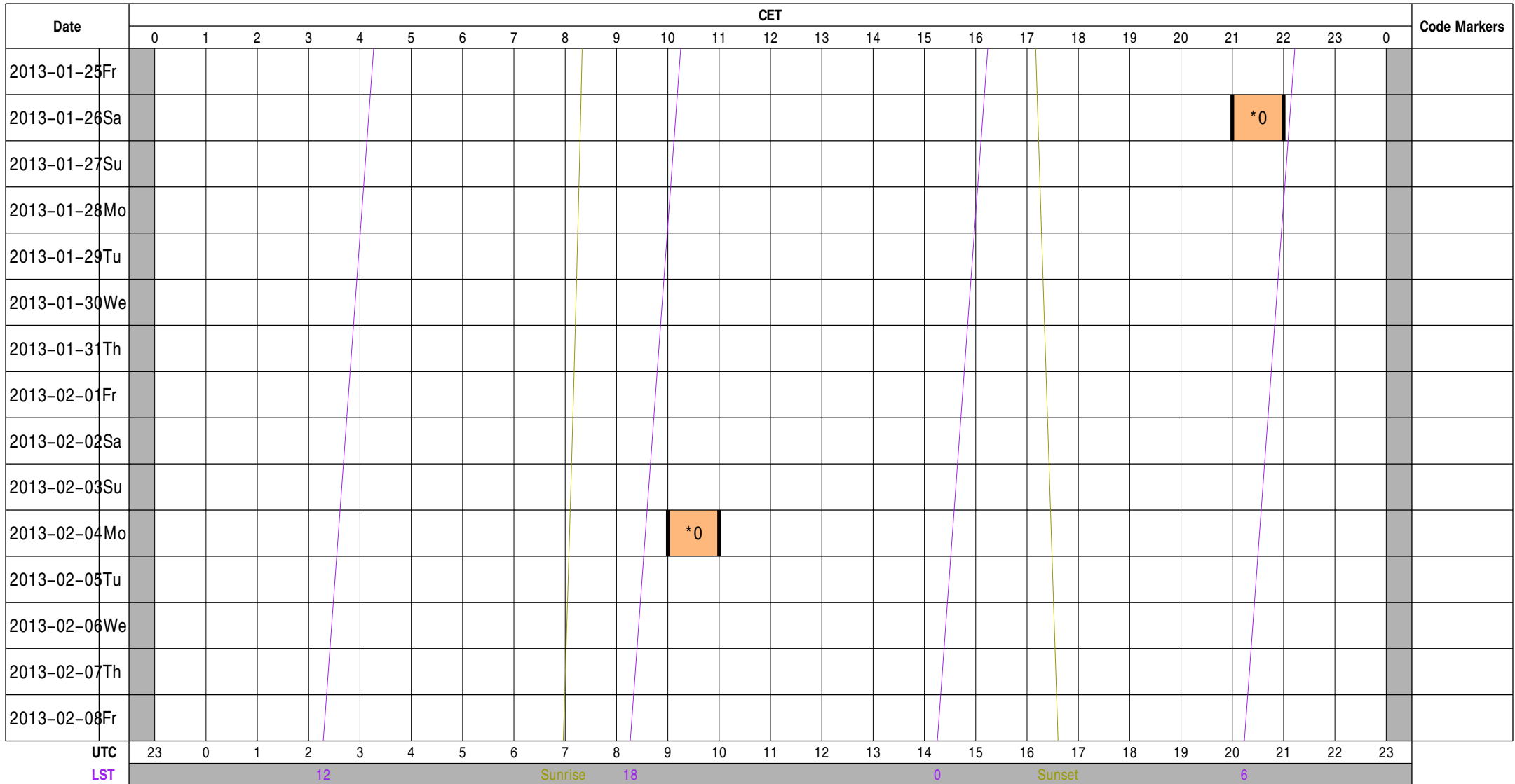
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for lofar4 Computer

MPIfR Effelsberg LOFAR Station

2013-01-25 through 2013-02-08

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

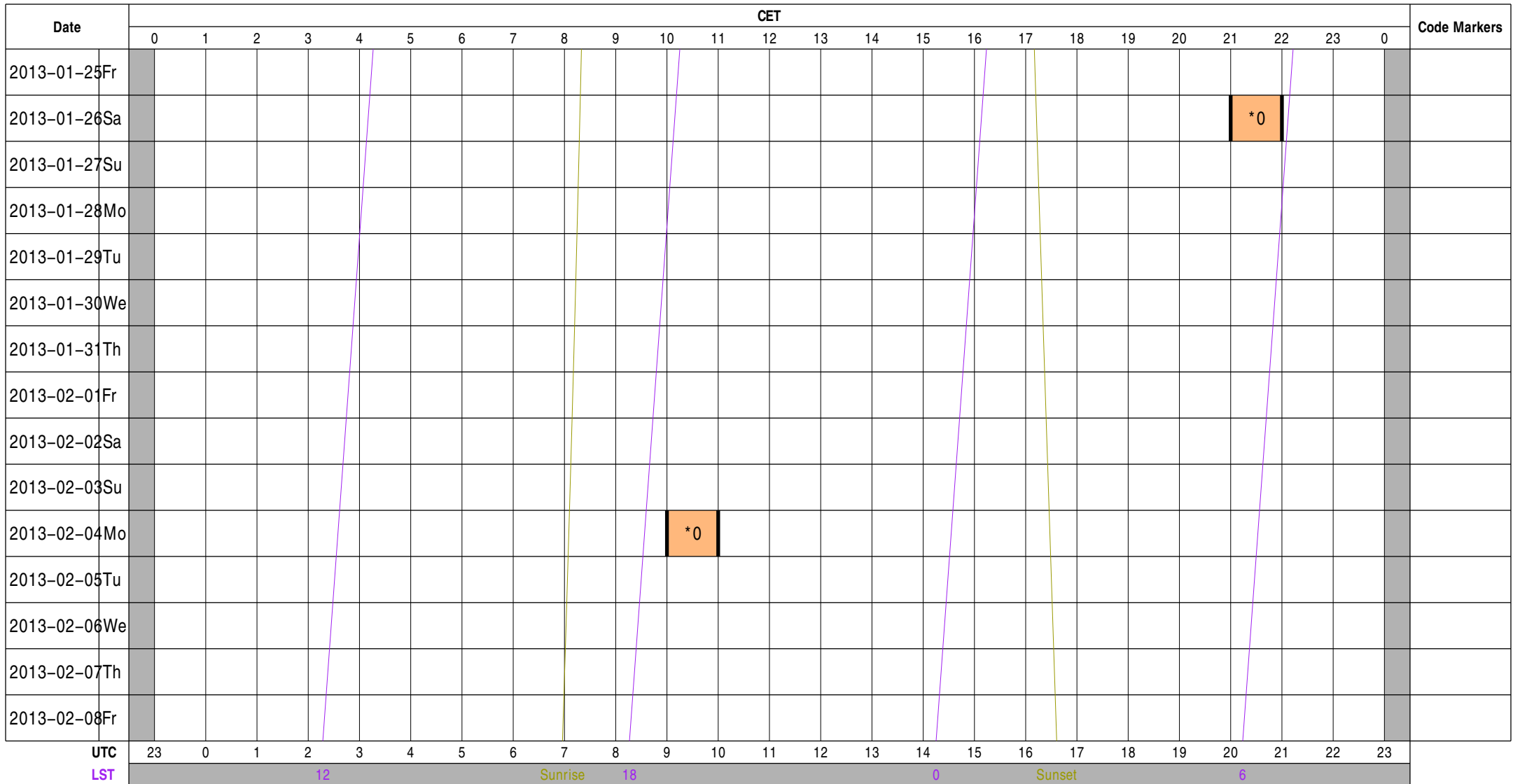
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for Iofar1a Pulsar Computer

MPIfR Effelsberg LOFAR Station

2013-01-25 through 2013-02-08

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

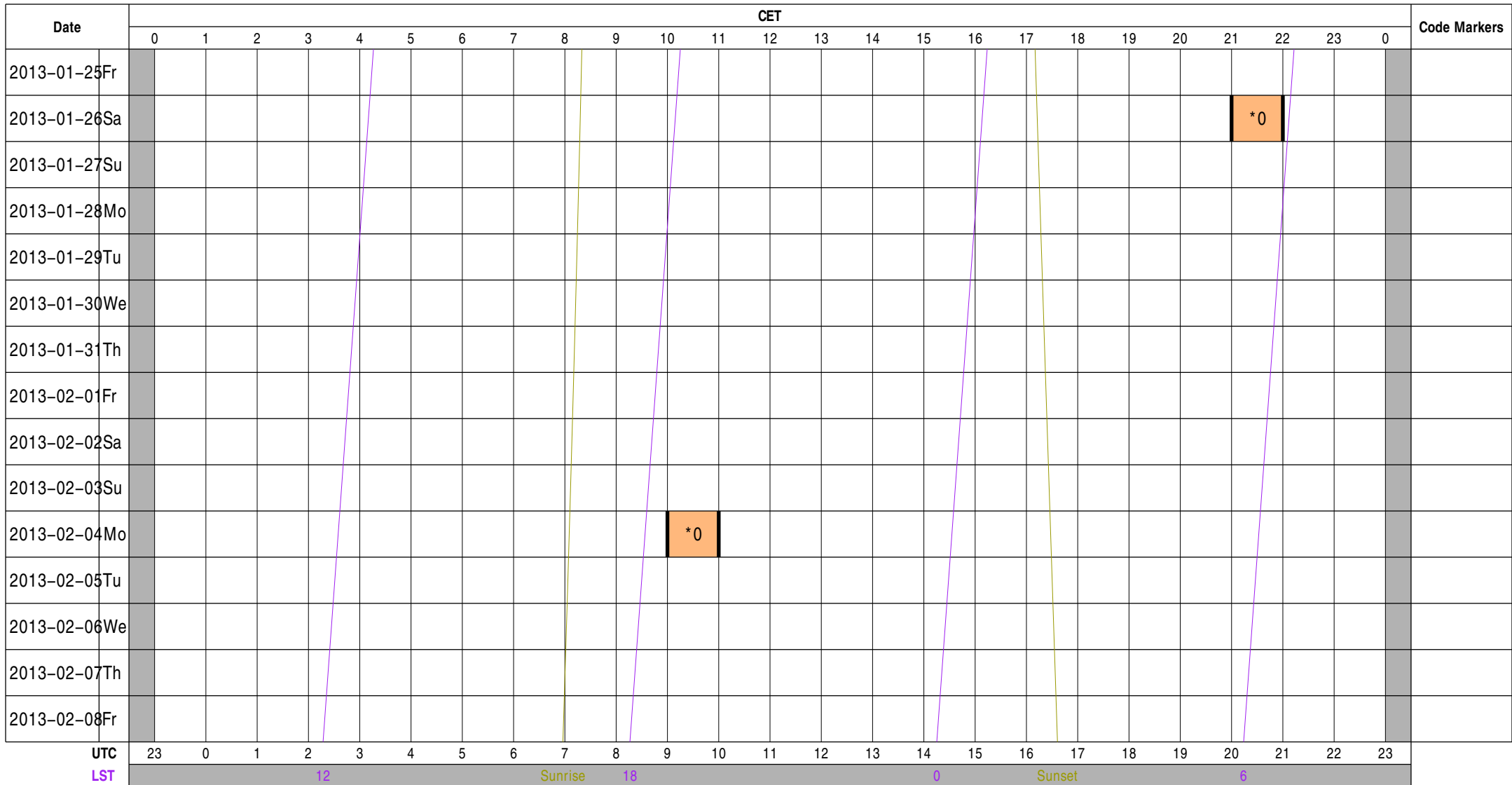
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for Iofar2a Pulsar Computer

MPIfR Effelsberg LOFAR Station

2013-01-25 through 2013-02-08

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

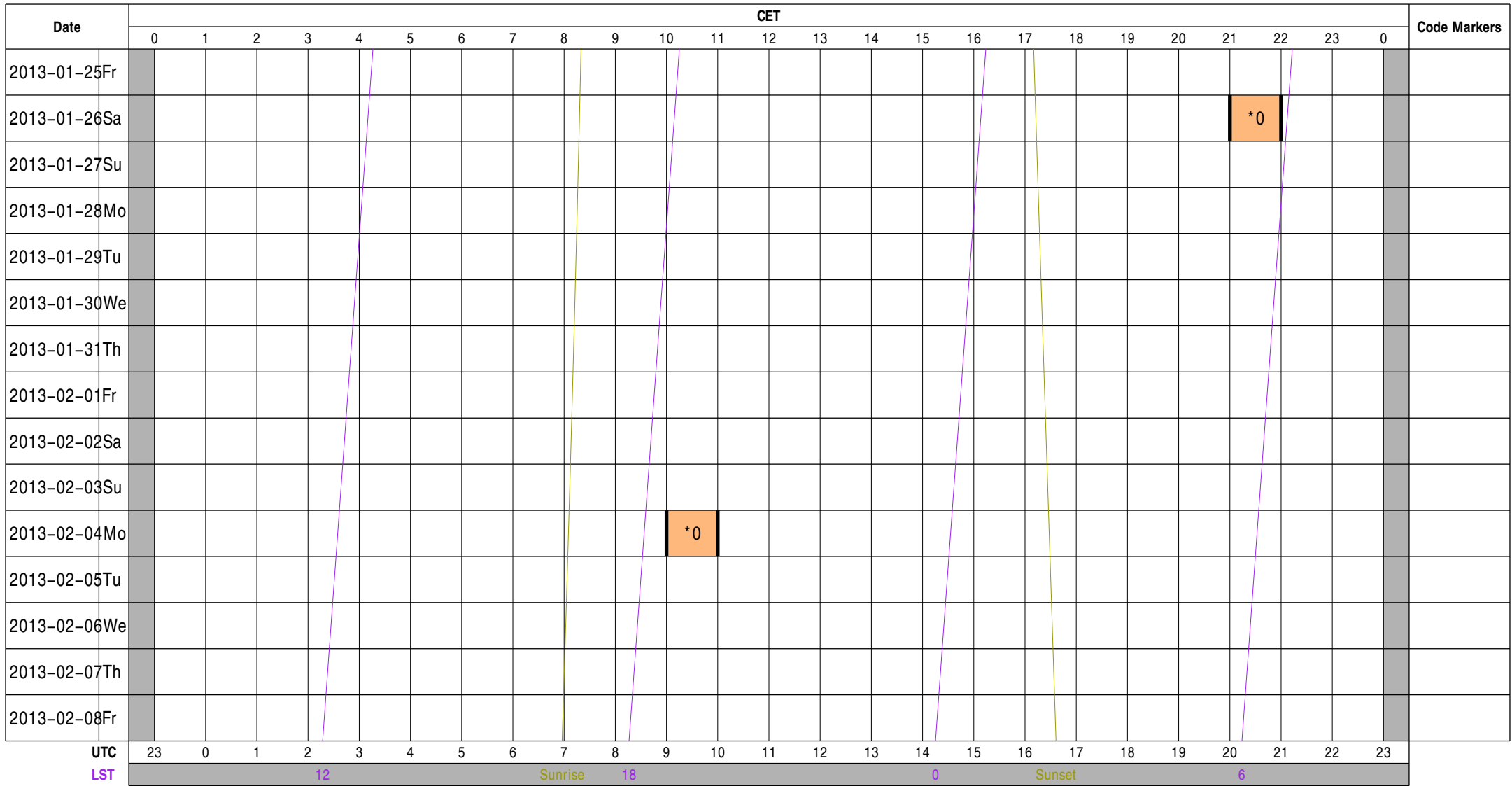
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for Iofar3a Pulsar Computer

MPIfR Effelsberg LOFAR Station

2013-01-25 through 2013-02-08

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

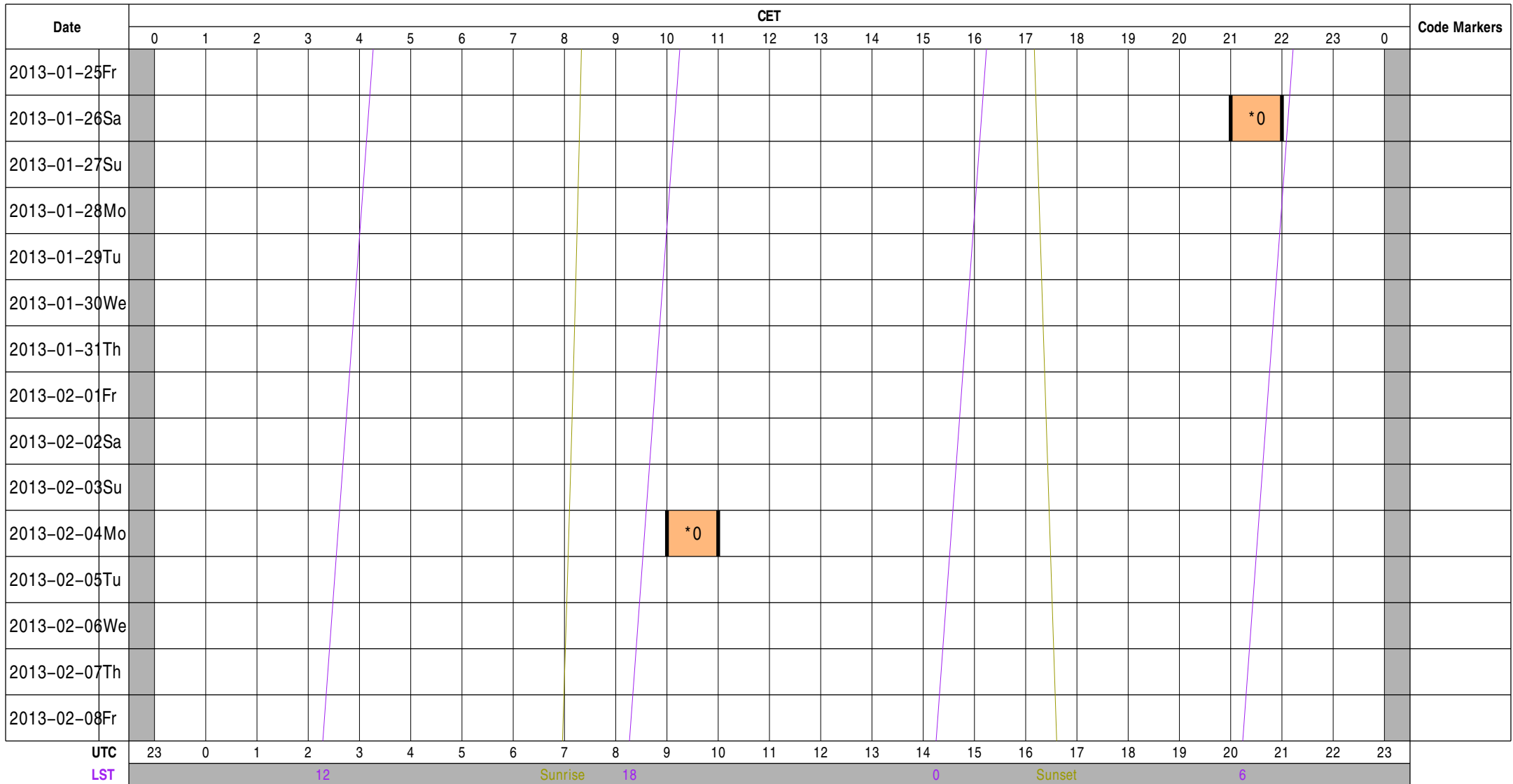
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| Science A (Astrometry) | Science N (AGN) | Test Observation | Juelich Mode |
| Science C (Cosmology) | Science O (Other) | Maintenance Mode | Piggyback Control |
| Science E (Extragalactic) | Science P (Pulsar) | ILT Mode | Piggyback Without Control |
| 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 Iofar4a Pulsar Computer

MPIfR Effelsberg LOFAR Station

2013-01-25 through 2013-02-08

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

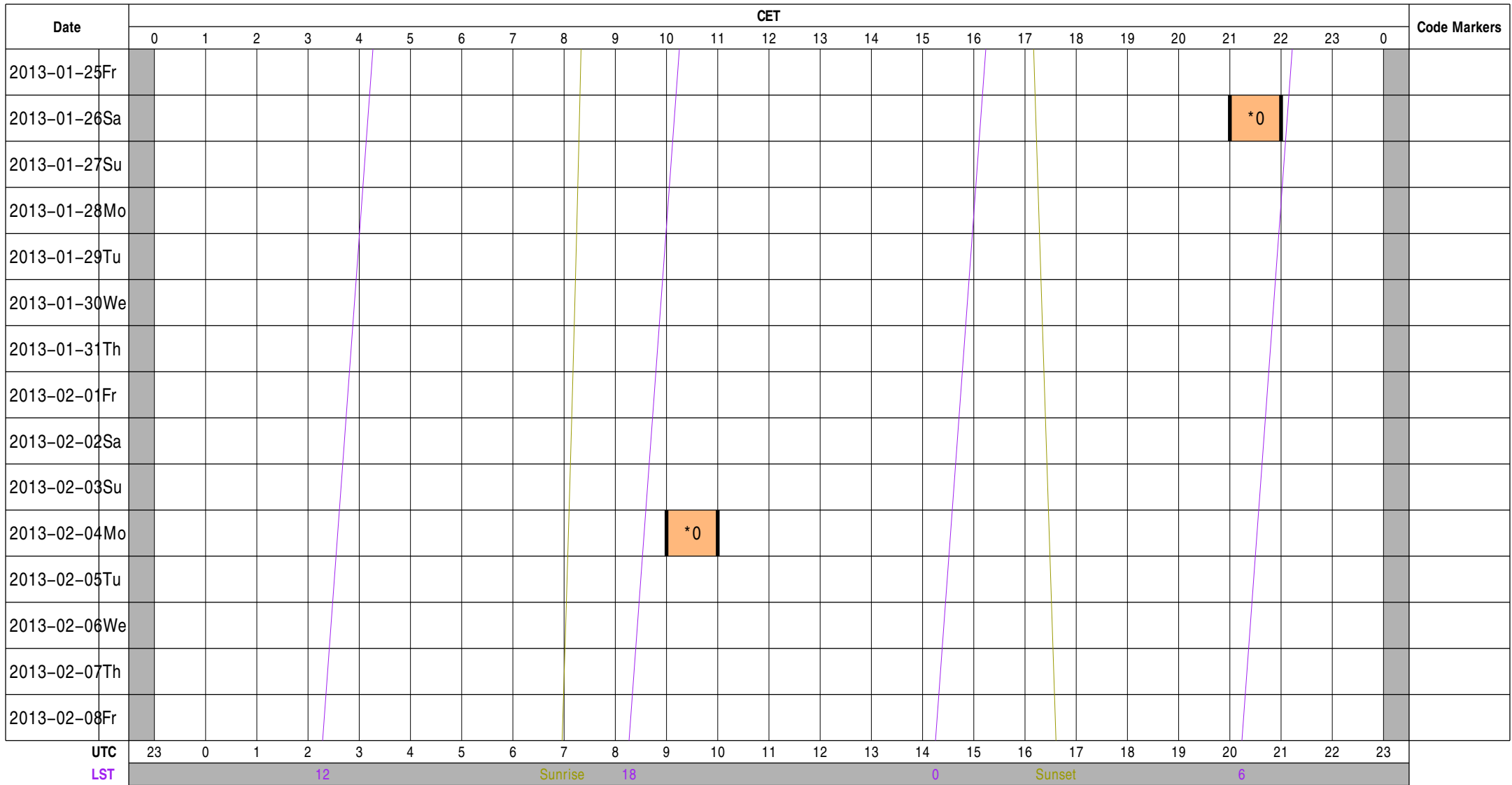
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for Iofar1b Recording Computer

MPIfR Effelsberg LOFAR Station

2013-01-25 through 2013-02-08

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

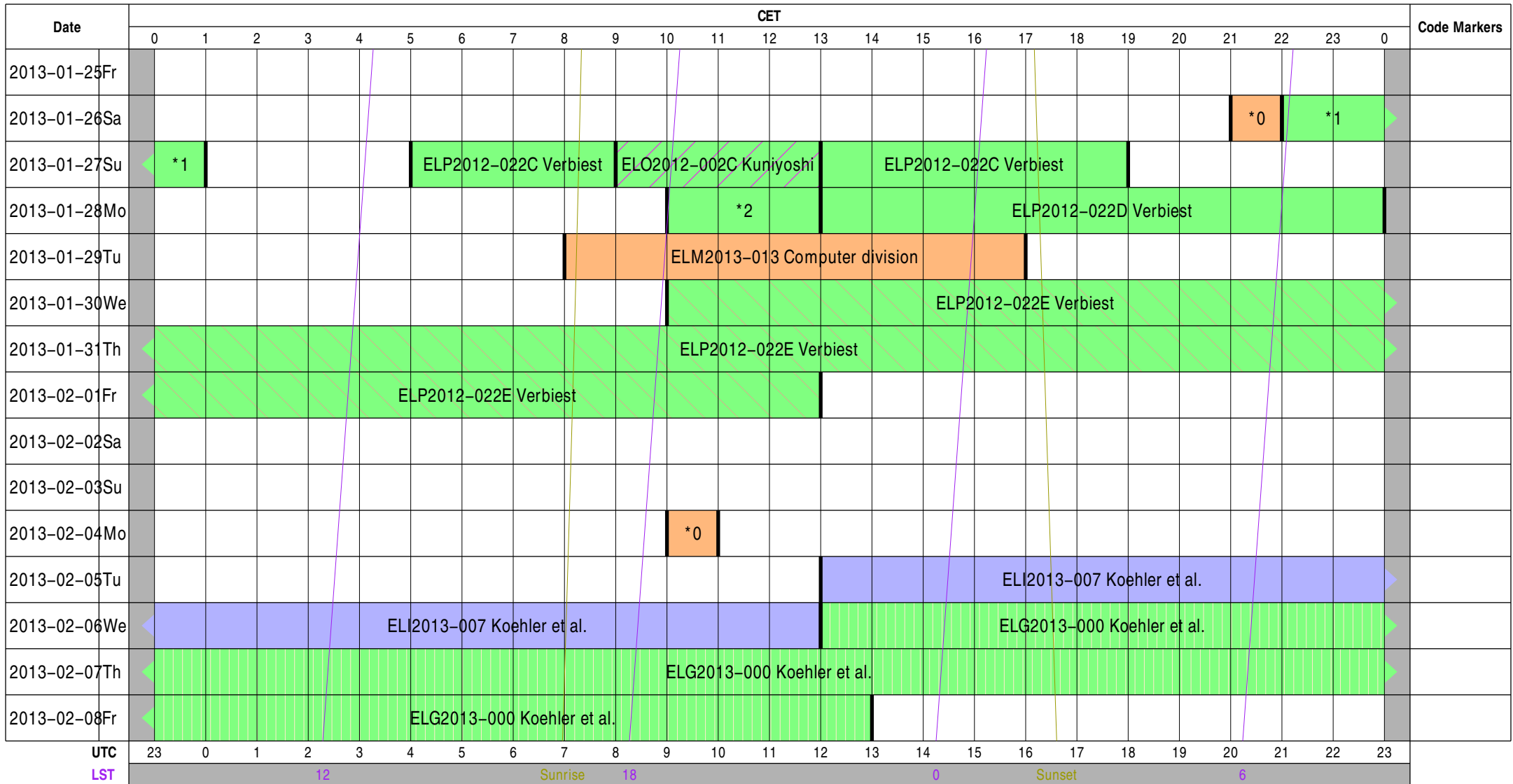
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for IofarAN Computers

MPIfR Effelsberg LOFAR Station

2013-01-25 through 2013-02-08

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Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELO2012-002B Kuniyoshi
- 2 ELG2013-000C Koehler et al.

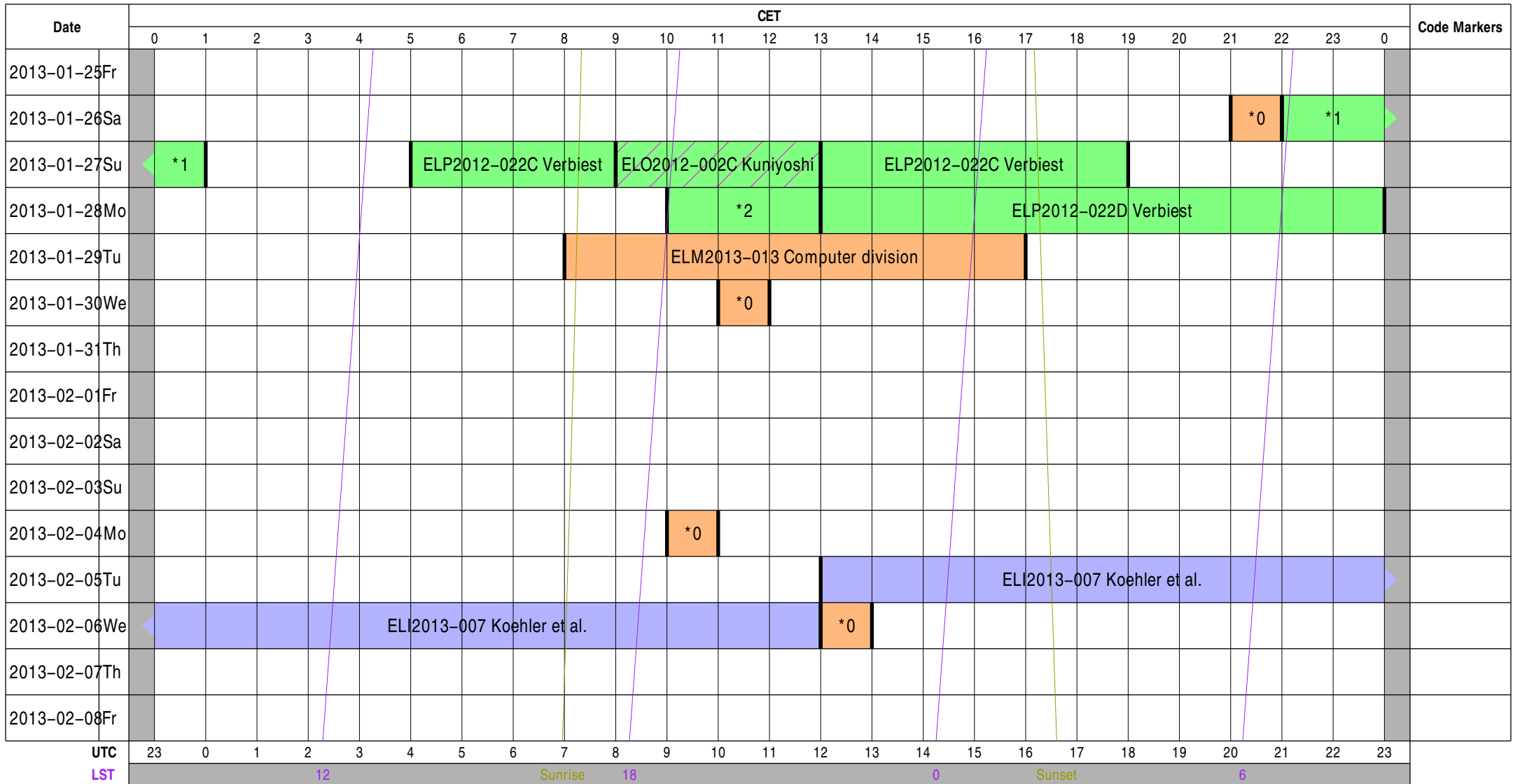
Other Code Markers

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 2013-01-25 through 2013-02-08

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Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELO2012-002B Kuniyoshi
- 2 ELG2013-000C Koehler et al.

Other Code Markers

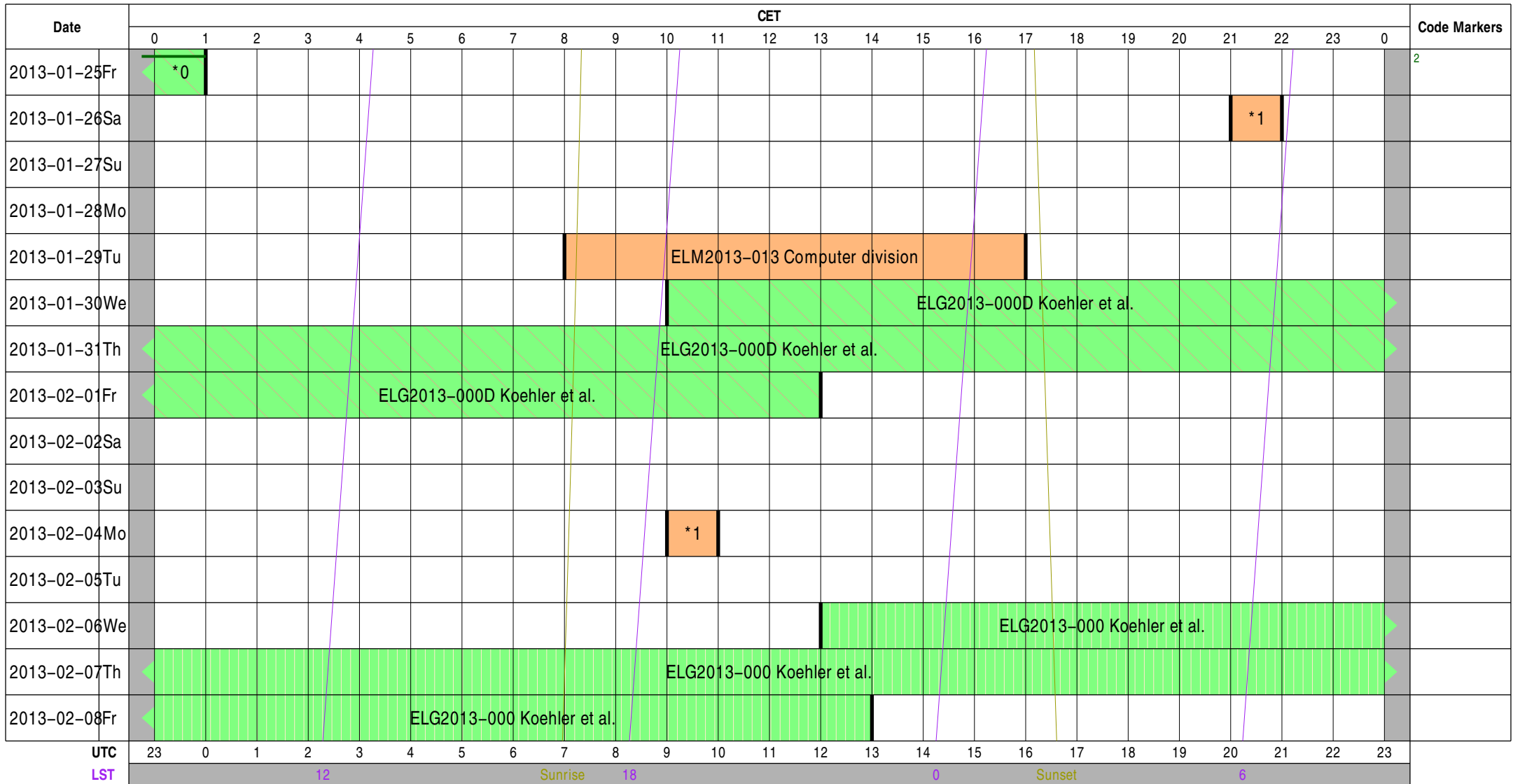
- *0
- *1
- *2

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 Iofarsrv Computer MPIfR Effelsberg LOFAR Station 2013-01-25 through 2013-02-08

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Normal Experiment Code Markers

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

Other Code Markers

- 2 ELP2012-017C Kuniyoshi

Color Meanings

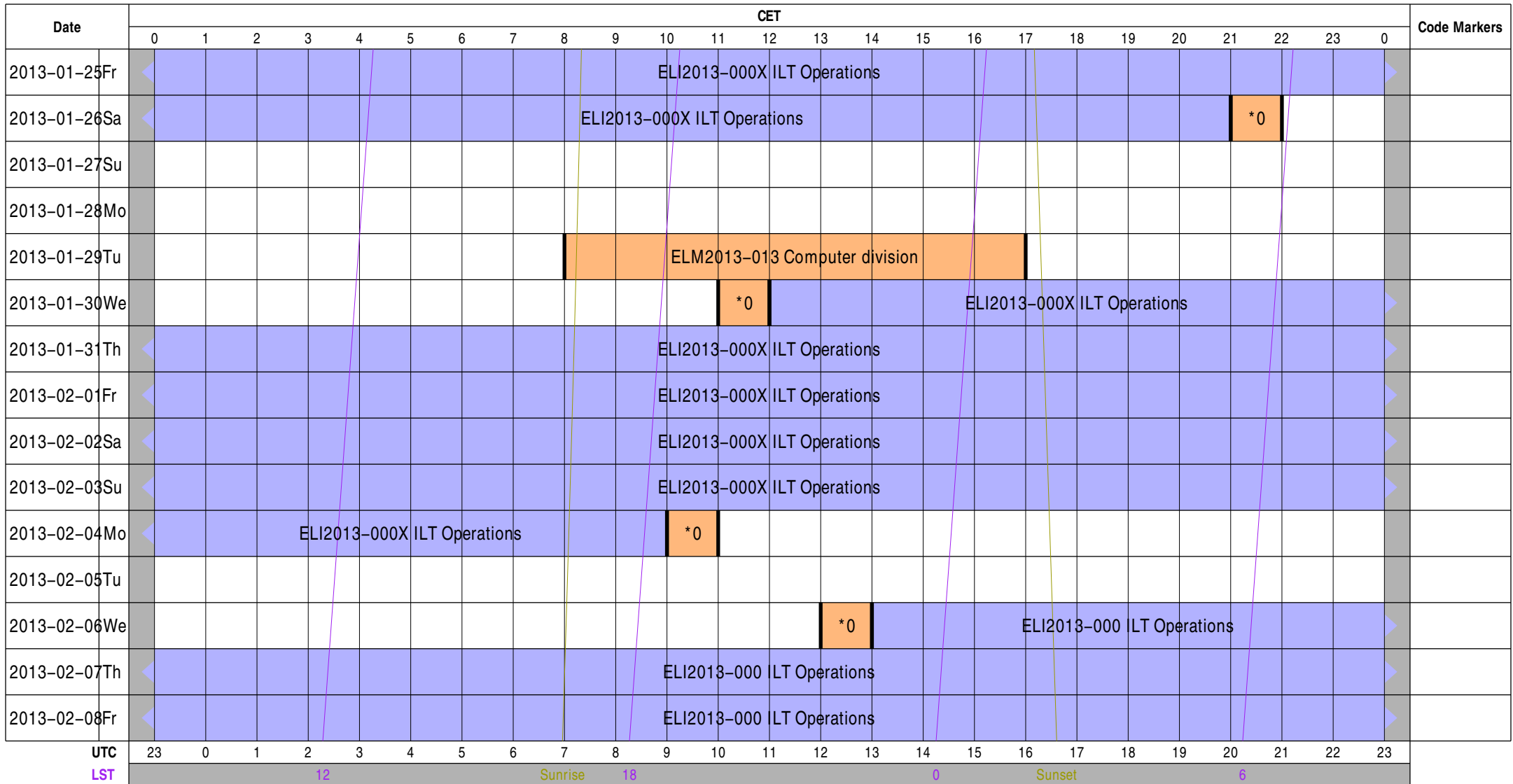
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|---------------------------|--------------------------|------------------|---------------------------|
| Science A (Astrometry) | Science N (AGN) | Test Observation | Juelich Mode |
| Science C (Cosmology) | Science O (Other) | Maintenance Mode | 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 LOFAR Fiber Connection

MPIfR Effelsberg LOFAR Station

2013-01-25 through 2013-02-08

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

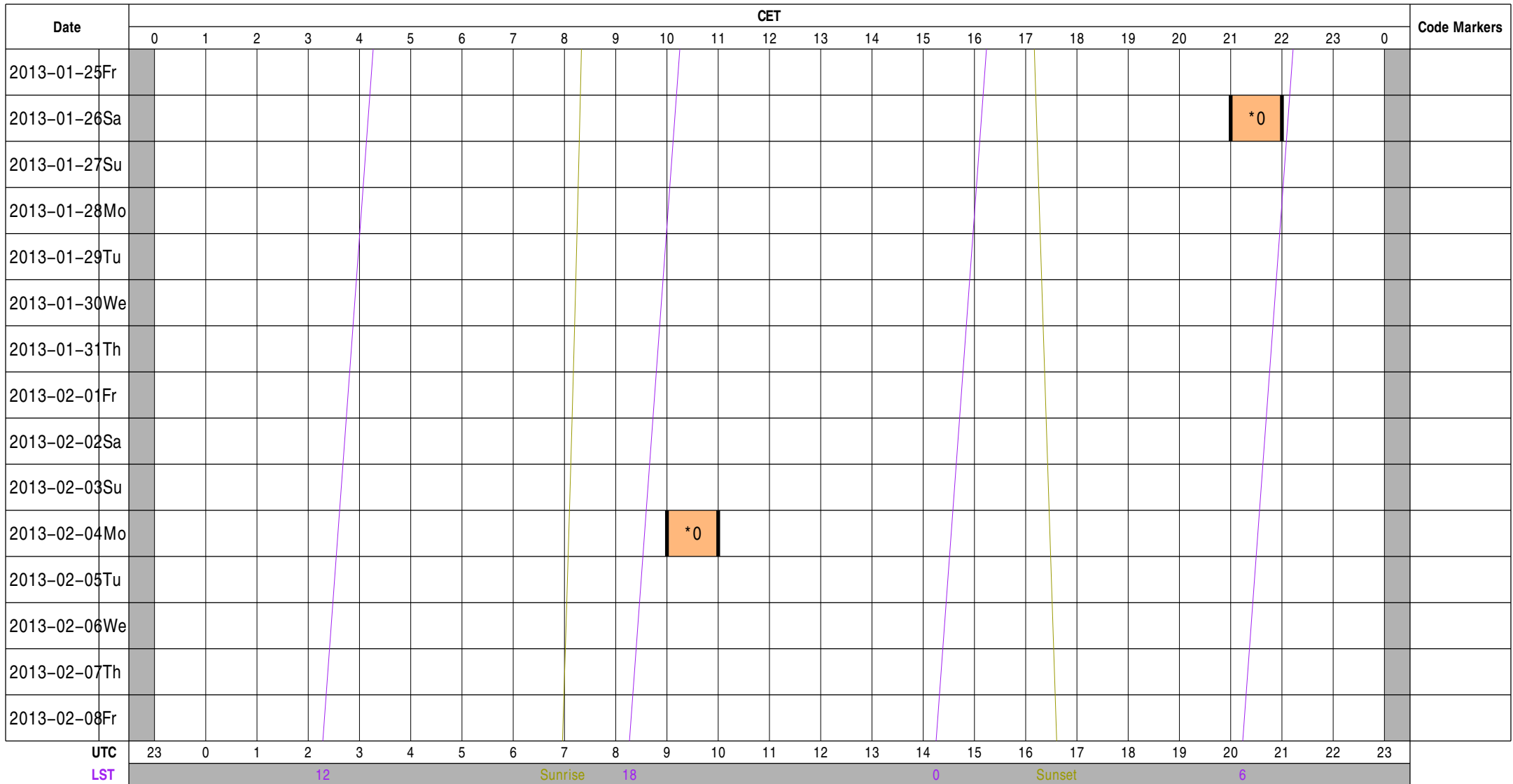
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for LOFAR Bonn--EF Fiber Connection

MPIfR Effelsberg LOFAR Station

2013-01-25 through 2013-02-08

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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

2013-01-25 through 2013-02-08

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	
2013-01-25Fr	ELD2013-002 Kuniyoshi																								
2013-01-26Sa	ELD2013-002 Kuniyoshi																								
2013-01-27Su	ELD2013-002 Kuniyoshi																								
2013-01-28Mo	ELD2013-002 Kuniyoshi																								
2013-01-29Tu	ELD2013-002 Kuniyoshi																								
2013-01-30We	ELD2013-002 Kuniyoshi																								
2013-01-31Th	ELD2013-002 Kuniyoshi																								
2013-02-01Fr	ELD2013-002 Kuniyoshi																								
2013-02-02Sa	ELD2013-002 Kuniyoshi																								
2013-02-03Su	ELD2013-002 Kuniyoshi																								
2013-02-04Mo	ELD2013-002 Kuniyoshi																								
2013-02-05Tu	ELD2013-002 Kuniyoshi																								
2013-02-06We	ELD2013-002 Kuniyoshi																								
2013-02-07Th	ELD2013-002 Kuniyoshi																								
2013-02-08Fr	ELD2013-002 Kuniyoshi																								

UTC
LST

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

12

Sunrise

18

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
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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)
ELM2013-013	Computer division	rz-support@mpifr-bonn.mpg.de	+49 228 525 359	system administration
ELM2013-013	Computer division	rz-support@mpifr-bonn.mpg.de	+49 228 525 359	system administration
ELO2012-002	Kuniyoshi	mkuniyos@mpifr-bonn.mpg.de	+49 228 525 505	education use of station
ELO2012-002	Kuniyoshi	mkuniyos@mpifr-bonn.mpg.de	+49 228 525 505	education use of station
ELO2012-002	Kuniyoshi	mkuniyos@mpifr-bonn.mpg.de	+49 228 525 505	education use of station
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

ELP2012-017	Kuniyoshi	mkunios@mpifr-bonn.mpg.de	+49 228 525 505	testing DJLump
ELP2012-017	Kuniyoshi	mkunios@mpifr-bonn.mpg.de	+49 228 525 505	testing DJLump

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	lofar1	lofar2	lofar3	lofar4	lofar1a	lofar2a	lofar3a	lofar4a	lofar1b	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF
ELG2013-000	3.00		3.00													52.00	103.00	3.00	101.00		
ELG2013-000																49.00	49.00		49.00		
ELG2013-000 C	3.00		3.00													3.00	3.00	3.00			
ELG2013-000 D																			1.00		
ELG2013-000 D																	51.00		51.00		
ELG2013-000 I																	0.00				
ELI2013-000	221.00	221.00	221.00	221.00	221.00	221.00															221.00
ELI2013-000	58.00	58.00	58.00	58.00	58.00	58.00															58.00
ELI2013-000 X	45.00	45.00	45.00	45.00	45.00	45.00															45.00
ELI2013-000 X	118.00	118.00	118.00	118.00	118.00	118.00															118.00
ELI2013-007	24.00	24.00	24.00	24.00												24.00	24.00	24.00			
ELI2013-007	24.00	24.00	24.00	24.00												24.00	24.00	24.00			
ELM2013-012	4.00	4.00	4.00	4.00	4.00	4.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	4.00	2.00	4.00	2.00
ELM2013-012																0.00					
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	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	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	
ELM2013-013	9.00															9.00	9.00	9.00	9.00	9.00	9.00
ELM2013-013	9.00															9.00	9.00	9.00	9.00	9.00	9.00
ELO2012-002	7.00		7.00													7.00	7.00	7.00			
ELO2012-002 B	3.00		3.00													3.00	3.00	3.00			
ELO2012-002 C	4.00		4.00													4.00	4.00	4.00			
ELP2012-022	21.00		21.00													72.00		21.00			
ELP2012-022 C	4.00		4.00													4.00		4.00			
ELP2012-022 C	6.00		6.00													6.00		6.00			
ELP2012-022 D	11.00		11.00													11.00		11.00			
ELP2012-022 E																51.00					

Time Usage [hours] for Other Actions

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofar1	lofar2	lofar3	lofar4	lofar1a	lofar2a	lofar3a	lofar4a	lofar1b	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF	
ELP2012-017																				1.00		
ELP2012-017 C																				1.00		

Summary of Time Usage [total=360.00 hours] for MPIfR Effelsberg LOFAR Station

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofar1	lofar2	lofar3	lofar4	lofar1a	lofar2a	lofar3a	lofar4a	lofar1b	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF
normal																					
Science A (Astrometry)																					
Science C (Cosmology)																					
Science E (Extragalactic)																					
Science G (Galactic)	3.00		3.00													52.00	103.00	3.00	101.00		
Science H (Ionosphere)																					
Science N (AGN)																					
Science O (Other)	7.00		7.00													7.00	7.00	7.00			
Science P (Pulsar)	21.00		21.00													72.00		21.00			
Science R (Cosmic Rays)																					
Science S (Solar System)																					
Test Observation																					
Maintenance Mode	13.00	4.00	4.00	4.00	4.00	4.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	11.00	11.00	13.00	11.00	13.00	2.00
ILT Mode	245.00	245.00	245.00	245.00	221.00	221.00										24.00	24.00	24.00		221.00	
Effelsberg Mode																					
GLOW Mode																					
Juelich Mode																					
Unknown Code																					
Idle	71.00	111.00	80.00	111.00	135.00	135.00	358.00	358.00	358.00	358.00	358.00	358.00	358.00	358.00	358.00	194.00	215.00	292.00	248.00	126.00	358.00
piggy-up																					
Piggyback Control																					
Unknown Code																					
Idle	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00
piggy-down																					
Piggyback Without Control																					
Unknown Code																					
Idle	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	359.00	360.00	360.00
warning																					
Experiment Warning																					
Unknown Code																					
Idle	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00
steal																					
Override Possible																					
Unknown Code																					
Idle	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00
duty																					
100 m Operator																					
Anderson																					
Kuniyoshi																					
Horneffer																					
Other																					
Unknown																					
Unknown Code																					
Idle																					

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

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofar1	lofar2	lofar3	lofar4	lofar1a	lofar2a	lofar3a	lofar4a	lofar1b	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF
normal																					
Science A (Astrometry)																					
Science C (Cosmology)																					
Science E (Extragalactic)																					
Science G (Galactic)	0.83		0.83													14.44	28.61	0.83	28.06		
Science H (Ionosphere)																					
Science N (AGN)																					
Science O (Other)	1.94		1.94													1.94	1.94	1.94			
Science P (Pulsar)	5.83		5.83													20.00		5.83			
Science R (Cosmic Rays)																					
Science S (Solar System)																					
Test Observation																					
Maintenance Mode	3.61	1.11	1.11	1.11	1.11	1.11	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	3.06	3.06	3.61	3.06	3.61	0.56
ILT Mode	68.06	68.06	68.06	68.06	61.39	61.39										6.67	6.67	6.67		61.39	
Effelsberg Mode																					
GLOW Mode																					
Juelich Mode																					
Unknown Code																					
Idle	19.72	30.83	22.22	30.83	37.50	37.50	99.44	99.44	99.44	99.44	99.44	99.44	99.44	99.44	99.44	53.89	59.72	81.11	68.89	35.00	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	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
piggy-down																					
Piggyback Without 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	100.00	100.00	100.00	100.00	100.00	100.00	99.72	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	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	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
duty																					
100 m Operator																					
Anderson																					
Kuniyoshi																					
Horneffer																					
Other																					
Unknown																					
Unknown Code																					
Idle																					