

Observing Plan for Station Control (LCU)

MPIfR Effelsberg LOFAR Station

2013-11-12 through 2013-11-20

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	UTC	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
2013-11-12	Tu	ELP2012-022AN Verbiest									ELP2012-022AN Verbiest																
2013-11-13	We	ELP2012-022AN Verbiest									*0	ELI2013-000 ILT Operations															
2013-11-14	Th	ELI2013-000 ILT Operations									ELI2013-000 ILT Operations																
2013-11-15	Fr	ELI2013-000 ILT Operations									ELI2013-000 ILT Operations																
2013-11-16	Sa	ELI2013-000 ILT Operations									ELI2013-000 ILT Operations																
2013-11-17	Su	ELI2013-000 ILT Operations									ELI2013-000 ILT Operations																
2013-11-18	Mo	ELI2013-000 ILT Operations									*0	ELP2012-022AN Verbiest															
2013-11-19	Tu	ELP2012-022AN Verbiest									ELP2012-022AN Verbiest																
2013-11-20	We	ELP2012-022AN Verbiest									*0	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 6 Sunrise 12 18 Sunset 0

Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

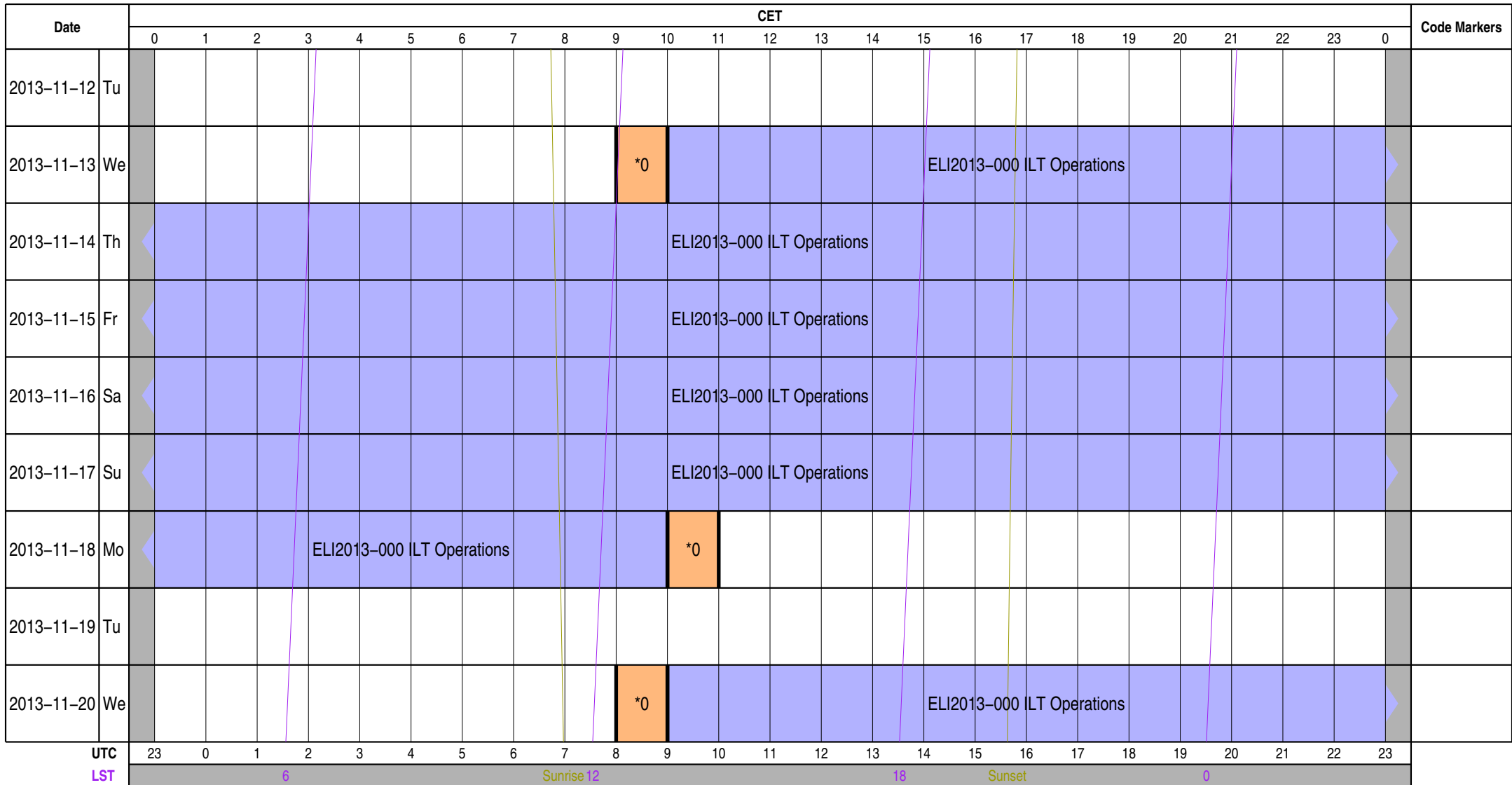
Color Meanings

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

Observing Plan for Transient Buffer Boards

MPIfR Effelsberg LOFAR Station

2013-11-12 through 2013-11-20



Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

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

Observing Plan for HBA MPIfR Effelsberg LOFAR Station 2013-11-12 through 2013-11-20

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Date	CET																								Code Markers	
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2013-11-13 We	ELP2012-022AN Verbiest									*0	ELI2013-000 ILT Operations															
2013-11-14 Th	ELI2013-000 ILT Operations															ELI2013-000 ILT Operations										
2013-11-15 Fr	ELI2013-000 ILT Operations															ELI2013-000 ILT Operations										
2013-11-16 Sa	ELI2013-000 ILT Operations															ELI2013-000 ILT Operations										
2013-11-17 Su	ELI2013-000 ILT Operations															ELI2013-000 ILT Operations										
2013-11-18 Mo	ELI2013-000 ILT Operations									*0	ELP2012-022AN Verbiest															
2013-11-19 Tu	ELP2012-022AN Verbiest																									
2013-11-20 We	ELP2012-022AN Verbiest									*0	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 6 Sunrise 12 Sunset 0

Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

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

Observing Plan for Low Band High (LBA) MPIfR Effelsberg LOFAR Station 2013-11-12 through 2013-11-20

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Date	Day	CET																								Code Markers	
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2013-11-13	We																										
2013-11-14	Th																										
2013-11-15	Fr																										
2013-11-16	Sa																										
2013-11-17	Su																										
2013-11-18	Mo																										
2013-11-19	Tu																										
2013-11-20	We																										

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

6

Sunrise 12

18

Sunset

0

Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

*0

*0

*0

Color Meanings

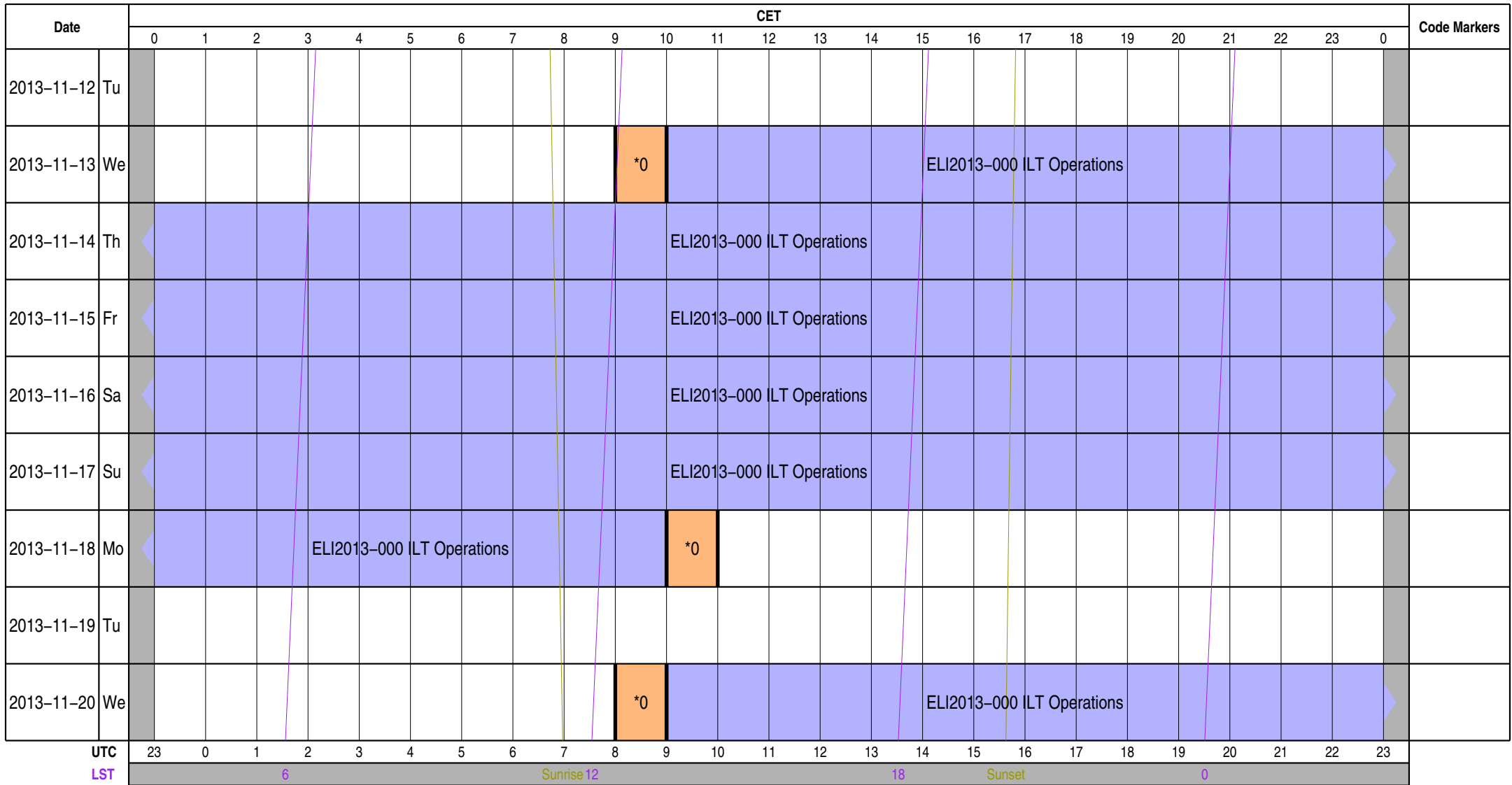
Science A (Astrometry)	Science O (Other)	ILT Mode	Piggyback Without Control
Science C (Cosmology)	Science P (Pulsar)	Effelsberg Mode	Experiment Warning
Science E (Extragalactic)	Science R (Cosmic Rays)	GLOW Mode	Override Possible
Science G (Galactic)	Science S (Solar System)	Juelich Mode	
Science H (Ionosphere)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

Observing Plan for Low Band Low, Unused Inputs

MPIfR Effelsberg LOFAR Station

2013-11-12 through 2013-11-20

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

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

Observing Plan for Station Interferometer

MPIfR Effelsberg LOFAR Station

2013-11-12 through 2013-11-20

Date	Day	CET																								Code Markers	
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2013-11-12	Tu																										
2013-11-13	We									*0																	
2013-11-14	Th																										
2013-11-15	Fr																										
2013-11-16	Sa																										
2013-11-17	Su																										
2013-11-18	Mo																										
2013-11-19	Tu																										
2013-11-20	We									*0																	

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

6

Sunrise 12

18

Sunset

0

ELI2013-000 ILT Operations

Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

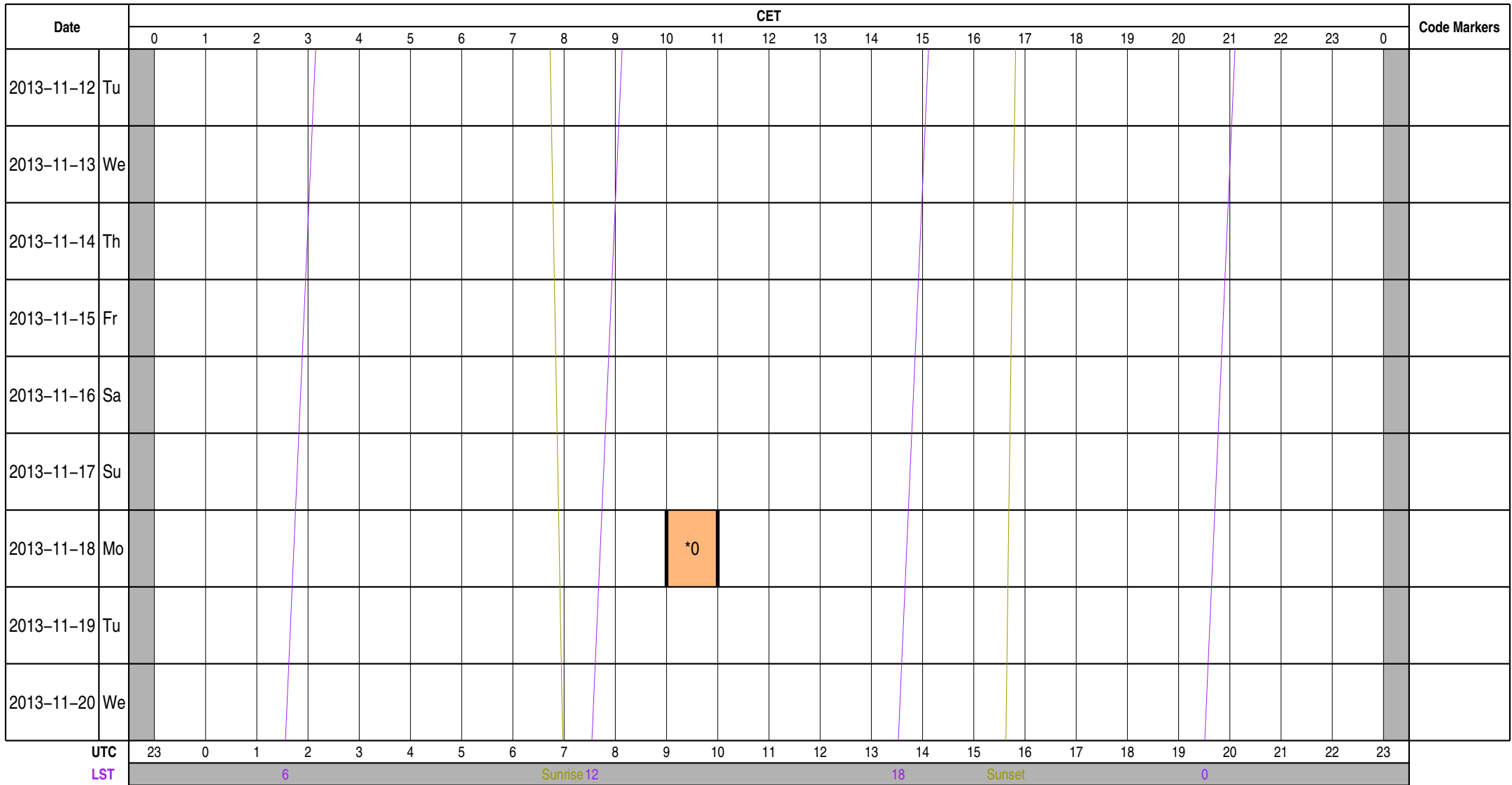
Science A (Astrometry)	Science O (Other)	ILT Mode	Piggyback Without Control
Science C (Cosmology)	Science P (Pulsar)	Effelsberg Mode	Experiment Warning
Science E (Extragalactic)	Science R (Cosmic Rays)	GLOW Mode	Override Possible
Science G (Galactic)	Science S (Solar System)	Juelich Mode	
Science H (Ionosphere)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

Observing Plan for IofarAN Computers

MPIfR Effelsberg LOFAR Station

2013-11-12 through 2013-11-20

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

*0

Color Meanings

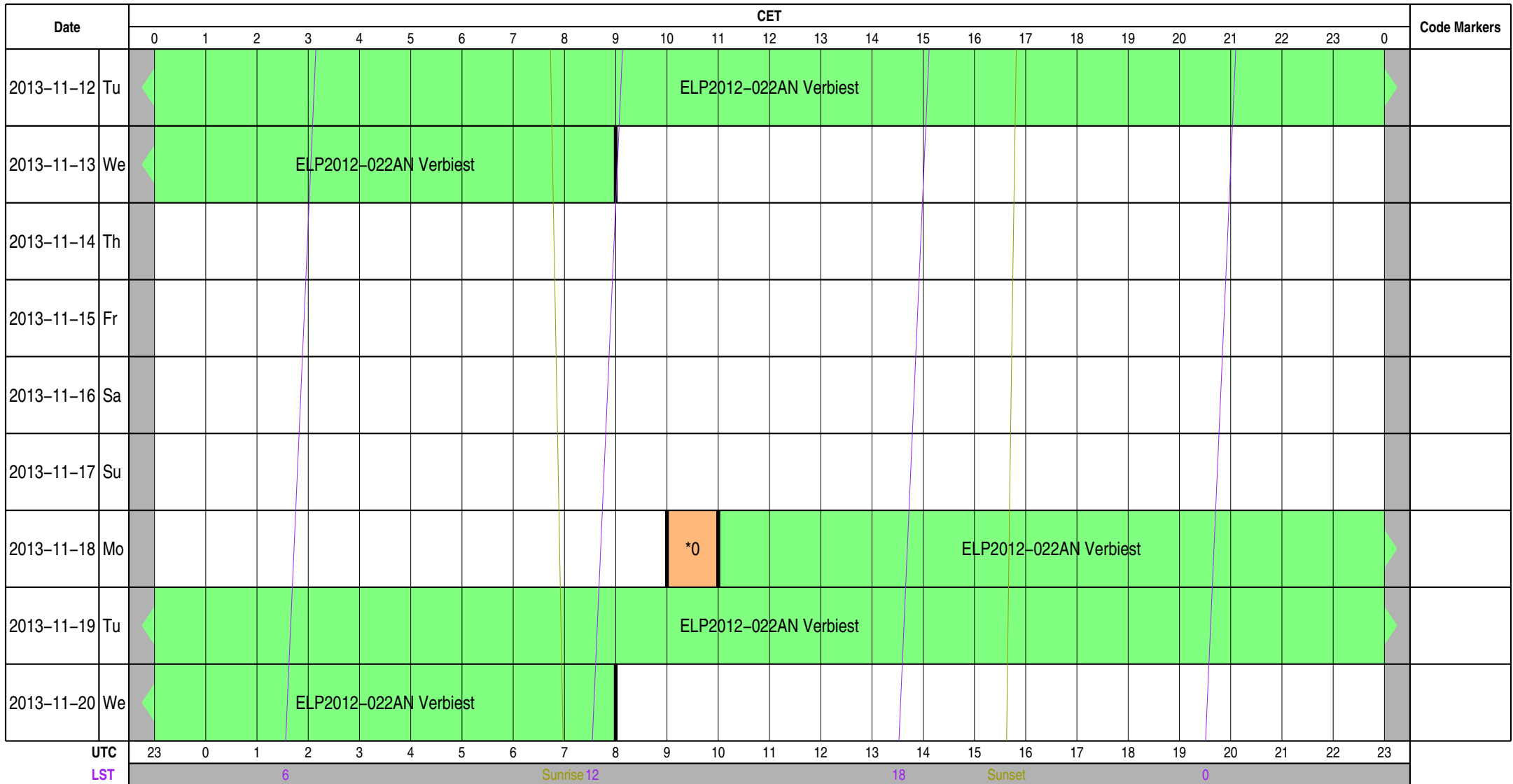
Science A (Astrometry)	Science O (Other)	ILT Mode	Piggyback Without Control
Science C (Cosmology)	Science P (Pulsar)	Effelsberg Mode	Experiment Warning
Science E (Extragalactic)	Science R (Cosmic Rays)	GLOW Mode	Override Possible
Science G (Galactic)	Science S (Solar System)	Juelich Mode	
Science H (Ionosphere)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

Observing Plan for IofarBN Computers

MPIfR Effelsberg LOFAR Station

2013-11-12 through 2013-11-20

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

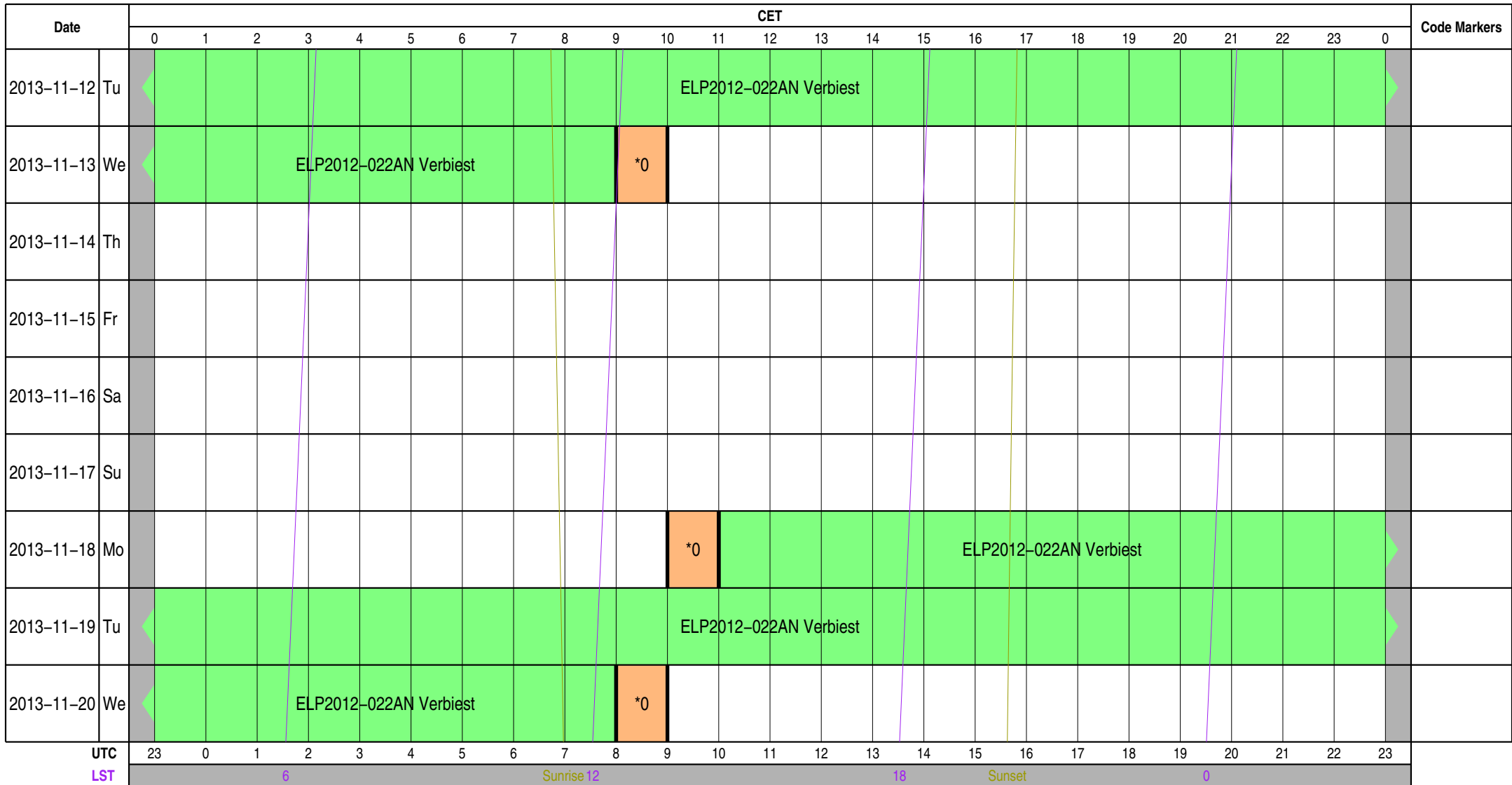
Other Code Markers

Color Meanings

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

Observing Plan for lofarx Computer MPIfR Effelsberg LOFAR Station 2013-11-12 through 2013-11-20

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

*0

Color Meanings

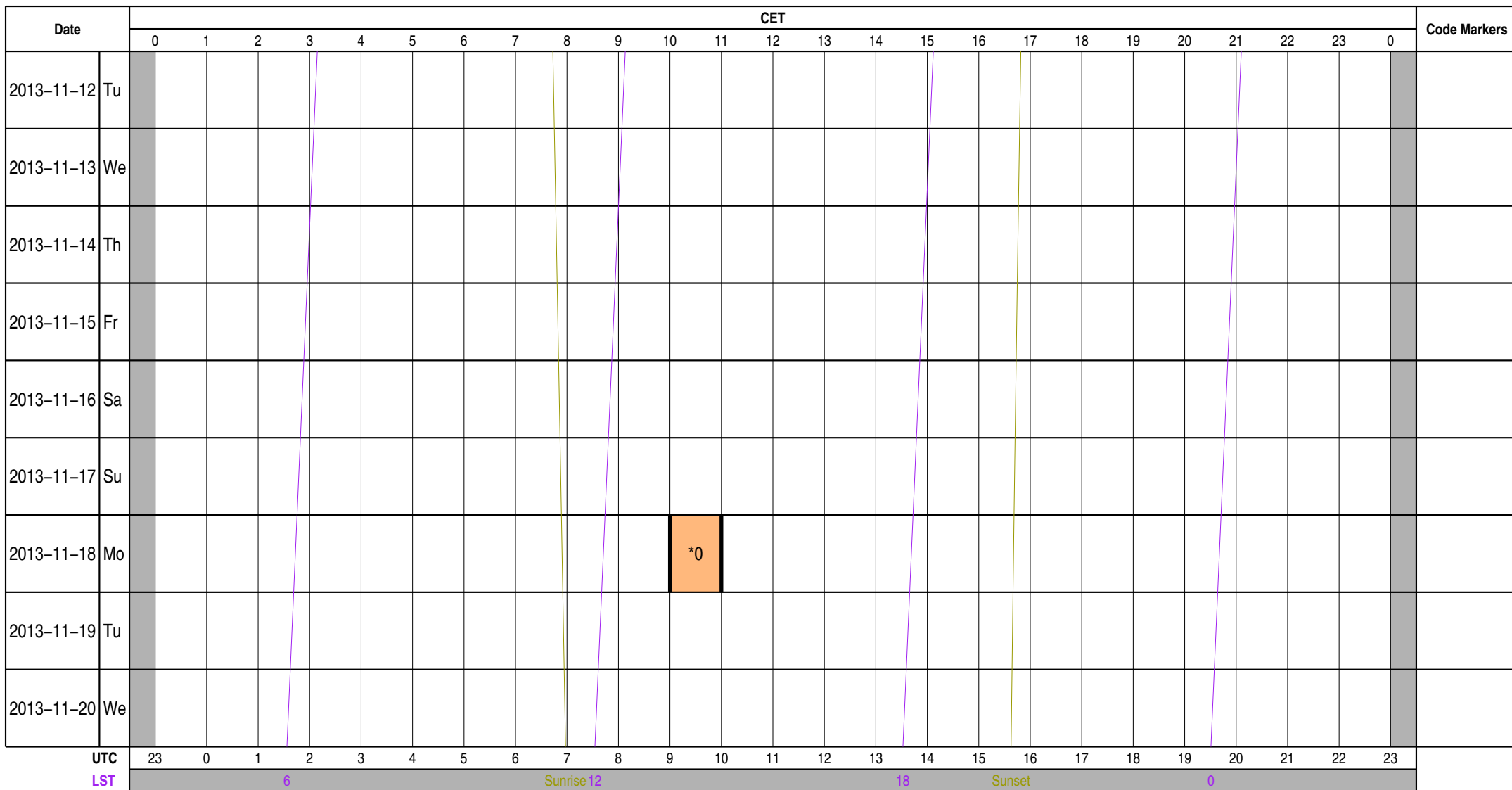
Science A (Astrometry)	Science O (Other)	ILT Mode	Piggyback Without Control
Science C (Cosmology)	Science P (Pulsar)	Effelsberg Mode	Experiment Warning
Science E (Extragalactic)	Science R (Cosmic Rays)	GLOW Mode	Override Possible
Science G (Galactic)	Science S (Solar System)	Juelich Mode	
Science H (Ionosphere)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

Observing Plan for lofarsrv Computer

MPIfR Effelsberg LOFAR Station

2013-11-12 through 2013-11-20

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

*0

Color Meanings

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

Observing Plan for LOFAR Fiber Connection

MPIfR Effelsberg LOFAR Station

2013-11-12 through 2013-11-20

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2013-11-12	Tu																										
2013-11-13	We																										
2013-11-14	Th																										
2013-11-15	Fr																										
2013-11-16	Sa																										
2013-11-17	Su																										
2013-11-18	Mo																										
2013-11-19	Tu																										
2013-11-20	We																										

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 6 Sunrise 12 Sunset 0

Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

*0

Color Meanings

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

Observing Plan for LOFAR Bonn--EF Fiber Connection

MPIfR Effelsberg LOFAR Station

2013-11-12 through 2013-11-20

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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	
2013-11-12	Tu																									
2013-11-13	We																									
2013-11-14	Th																									
2013-11-15	Fr																									
2013-11-16	Sa																									
2013-11-17	Su																									
2013-11-18	Mo																									
2013-11-19	Tu																									
2013-11-20	We																									

UTC

LST

6

Sunrise 12

18

Sunset

0

Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

*0

Color Meanings

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

Observing Plan for Operator On-Duty

MPIfR Effelsberg LOFAR Station

2013-11-12 through 2013-11-20

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
2013-11-12 Tu																										
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2013-11-15 Fr																										
2013-11-16 Sa																										
2013-11-17 Su																										
2013-11-18 Mo																										
2013-11-19 Tu																										
2013-11-20 We																										

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	6 Sunrise 12 18 Sunset 0																								

Normal Experiment Code Markers

Other Code Markers

Color Meanings

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

Experiment Information for Normal Observations

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
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 AN	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022 AN	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars

Experiment Information for Other Actions

Experiment Information for Operator On-Duty Schedule

Time Usage [hours] for Normal Observations

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF_	duty
ELI2013-000	134.00	134.00	134.00	134.00	134.00	134.00					134.00		
ELI2013-000	120.00	120.00	120.00	120.00	120.00	120.00					120.00		
ELI2013-000	14.00	14.00	14.00	14.00	14.00	14.00					14.00		
ELM2013-012	3.00	3.00	3.00	3.00	3.00	3.00	1.00	1.00	3.00	1.00	3.00	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	79.00		79.00					79.00	79.00				
ELP2012-022 AN	33.00		33.00					33.00	33.00				
ELP2012-022 AN	46.00		46.00					46.00	46.00				

Time Usage [hours] for Other Actions

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF_	duty
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Time Usage [hours] for Operator On-Duty Schedule

Experiment Code

station

TBB

HBA

LBH

LBL

interfe

lofarAN

lofarBN

lofarx

lofarsr

fiber

BN--EF_

duty

