

Observing Plan for Station Control (LCU)

MPIfR Effelsberg LOFAR Station

2013-11-26 through 2013-12-04

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	
2013-11-26	Tu	ELP2012-022AM Verbiest										ELT2013-006B Horneffer						ELX2013-002A Verbiest								
2013-11-27	We	ELX2013-002A Verbiest										*0	ELI2013-000 ILT Operations													
2013-11-28	Th	ELI2013-000 ILT Operations																								
2013-11-29	Fr	ELI2013-000 ILT Operations																								
2013-11-30	Sa	ELI2013-000 ILT Operations																								
2013-12-01	Su	ELI2013-000 ILT Operations																								
2013-12-02	Mo	ELI2013-000 ILT Operations										*0	ELX2013-002B Verbiest													
2013-12-03	Tu	ELX2013-002B Verbiest																ELI2013-009C Serylak, Verbiest et al.								
2013-12-04	We	ELI2013-009C Serylak, Verbiest et al.																								
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						12 Sunrise						18						Sunset						0

Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

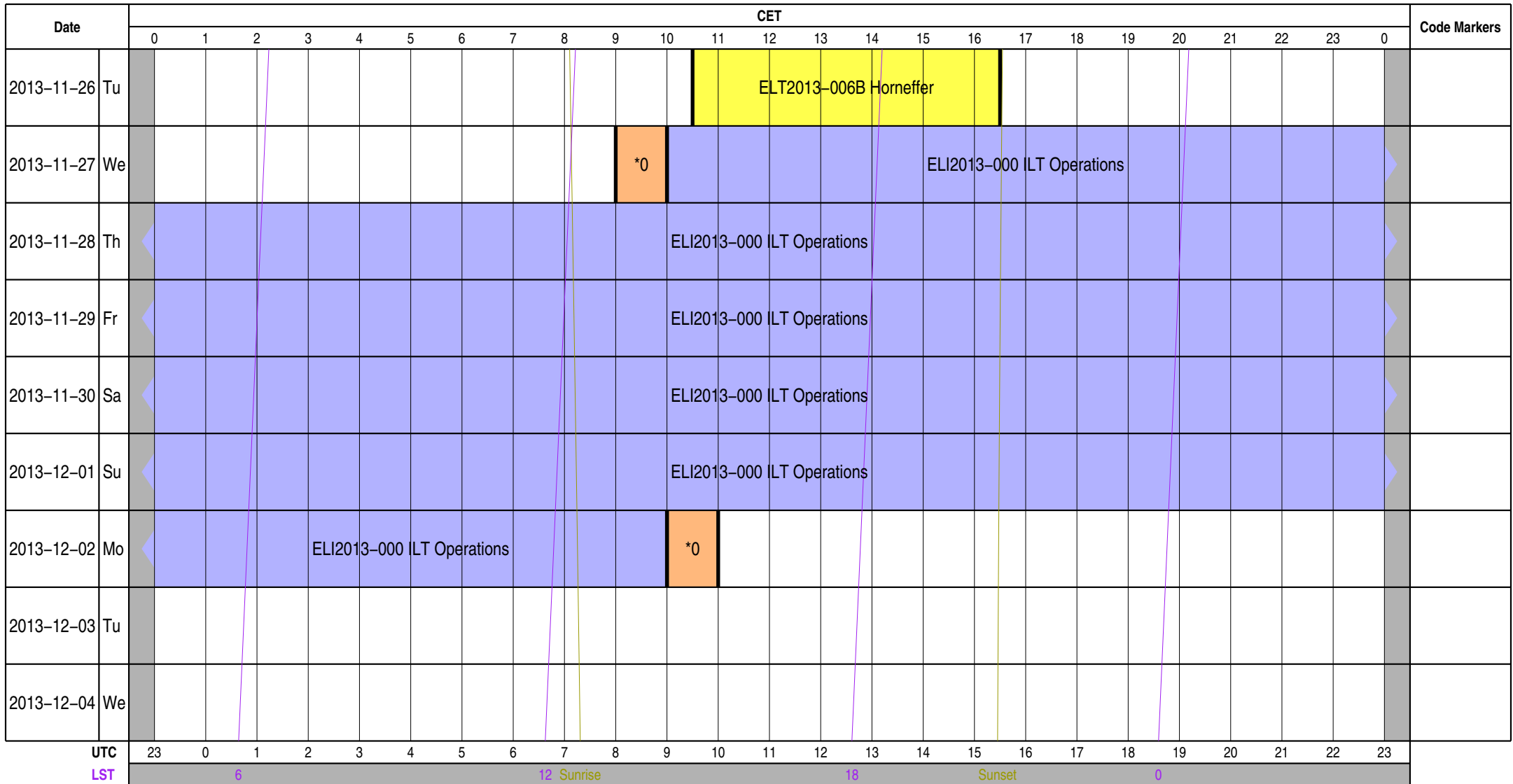
Color Meanings

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

2013-11-26 through 2013-12-04



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 2013-11-26 through 2013-12-04

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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
2013-11-26 Tu	ELP2012-022AM Verbiest										ELT2013-006B Horneffer						ELX2013-002A Verbiest									
2013-11-27 We	ELX2013-002A Verbiest										*0	ELI2013-000 ILT Operations														
2013-11-28 Th	ELI2013-000 ILT Operations														ELI2013-000 ILT Operations											
2013-11-29 Fr	ELI2013-000 ILT Operations														ELI2013-000 ILT Operations											
2013-11-30 Sa	ELI2013-000 ILT Operations														ELI2013-000 ILT Operations											
2013-12-01 Su	ELI2013-000 ILT Operations														ELI2013-000 ILT Operations											
2013-12-02 Mo	ELI2013-000 ILT Operations										*0	ELX2013-002B Verbiest														
2013-12-03 Tu	ELX2013-002B Verbiest										ELI2013-009C Serylak, Verbiest et al.															
2013-12-04 We	ELI2013-009C Serylak, Verbiest et al.														ELI2013-009C Serylak, Verbiest et al.											

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 12 Sunrise 18 Sunset 0

Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

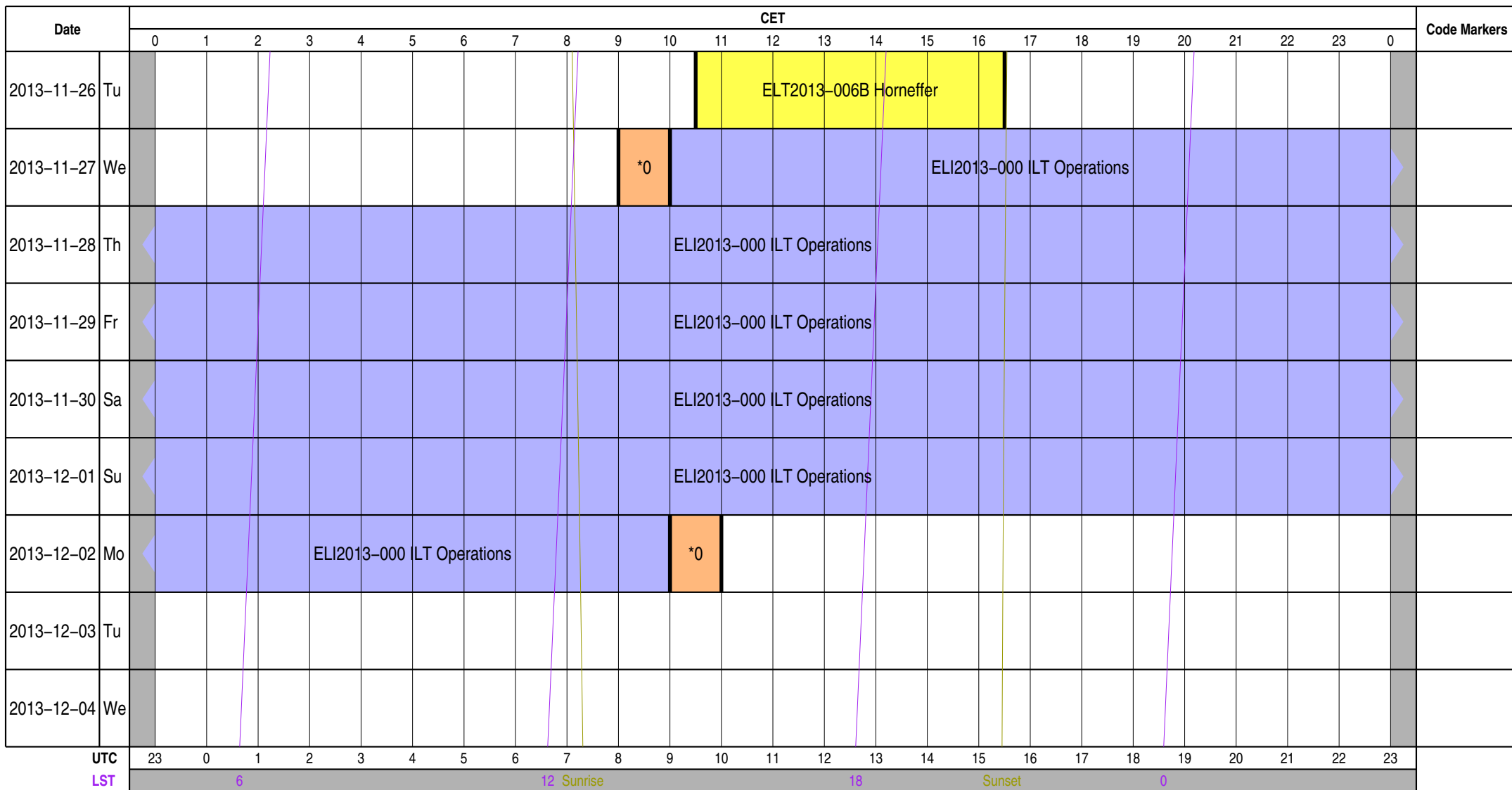
Other Code Markers

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 Low Band High (LBA) MPIfR Effelsberg LOFAR Station 2013-11-26 through 2013-12-04

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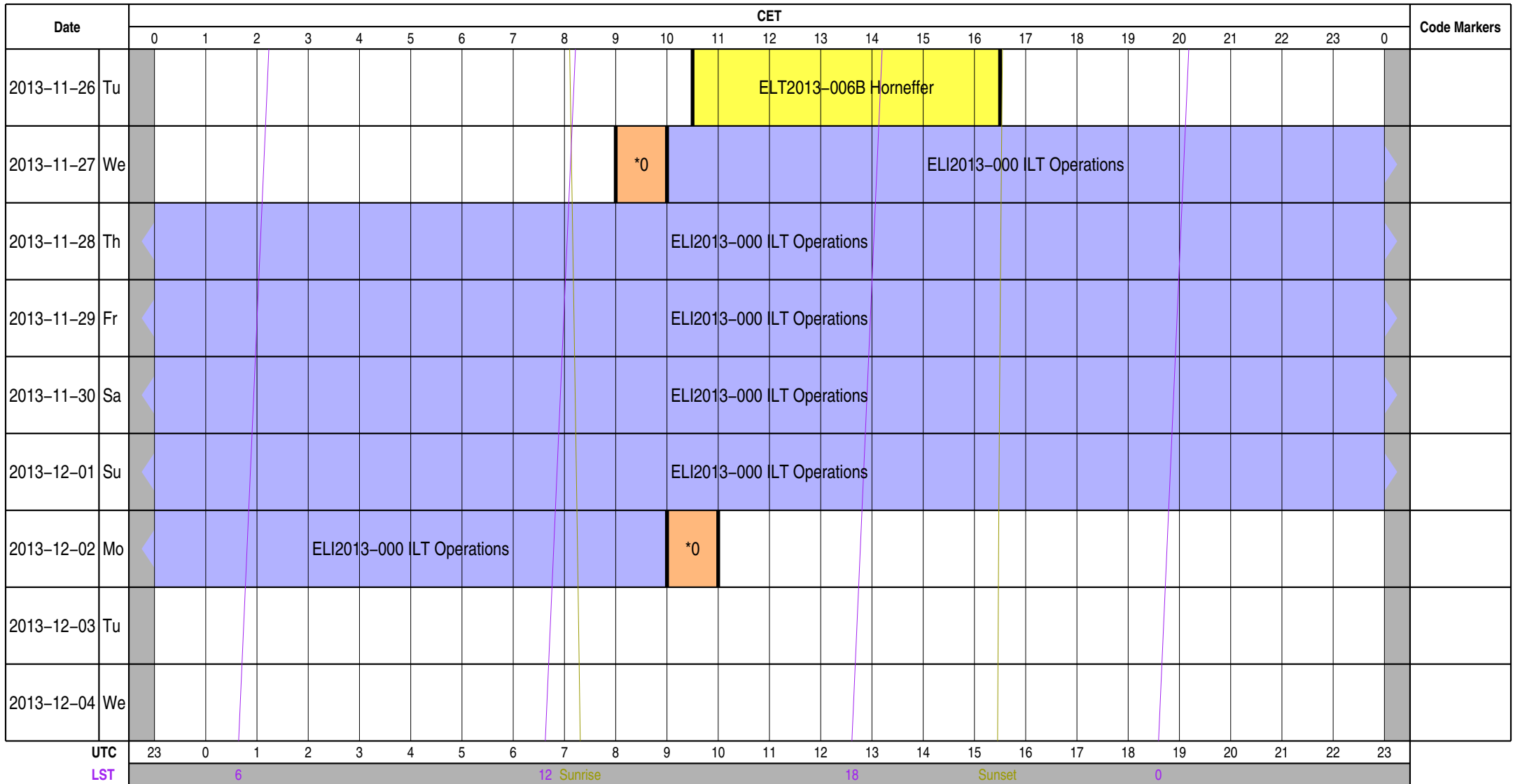


Observing Plan for Low Band Low, Unused Inputs

MPIfR Effelsberg LOFAR Station

2013-11-26 through 2013-12-04

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

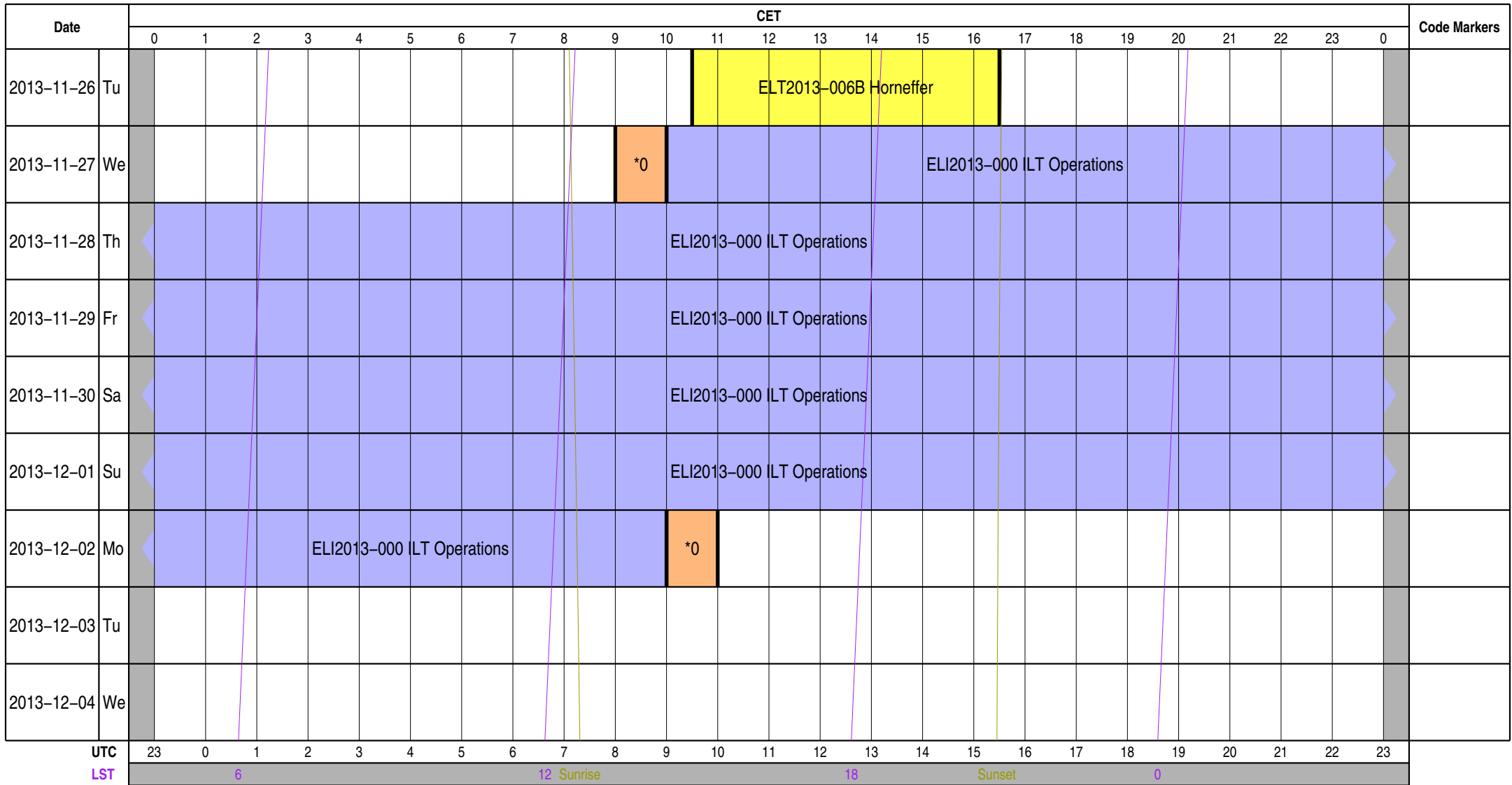
Color Meanings

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

2013-11-26 through 2013-12-04



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

2013-11-26 through 2013-12-04

Date	CET																								Code Markers		
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2013-11-26 Tu												ELT2013-006B Horneffer															
2013-11-27 We																											
2013-11-28 Th																											
2013-11-29 Fr																											
2013-11-30 Sa																											
2013-12-01 Su																											
2013-12-02 Mo																											
2013-12-03 Tu																											
2013-12-04 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 12 Sunrise 18 Sunset 0

Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

*0

Color Meanings

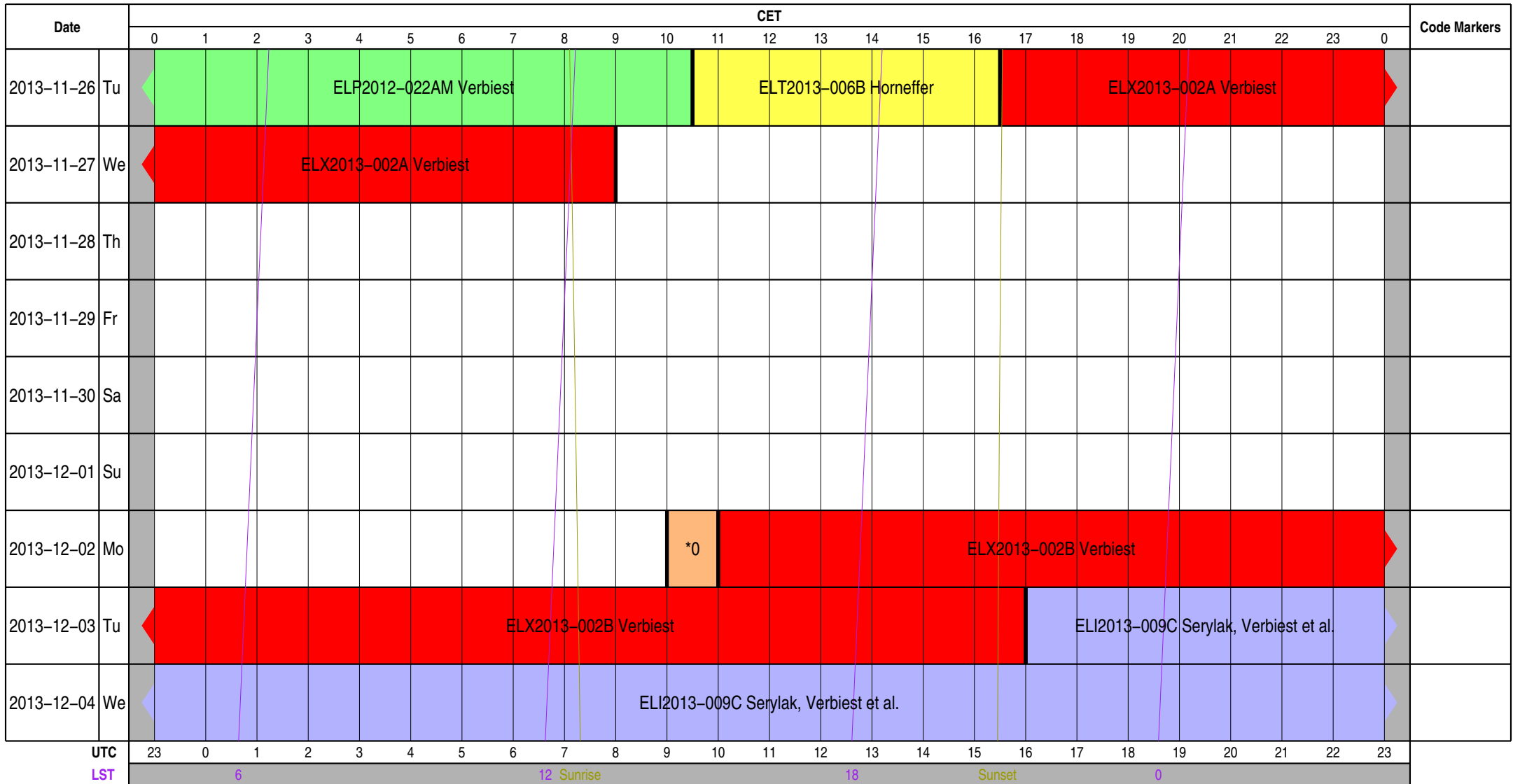
Science A (Astrometry)	Science O (Other)	ILT Mode	Piggyback Without Control
Science C (Cosmology)	Science P (Pulsar)	Effelsberg Mode	Experiment Warning
Science E (Extragalactic)	Science R (Cosmic Rays)	GLOW Mode	Override Possible
Science G (Galactic)	Science S (Solar System)	Juelich Mode	
Science H (Ionosphere)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

Observing Plan for IofarBN Computers

MPIfR Effelsberg LOFAR Station

2013-11-26 through 2013-12-04

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Normal Experiment Code Markers

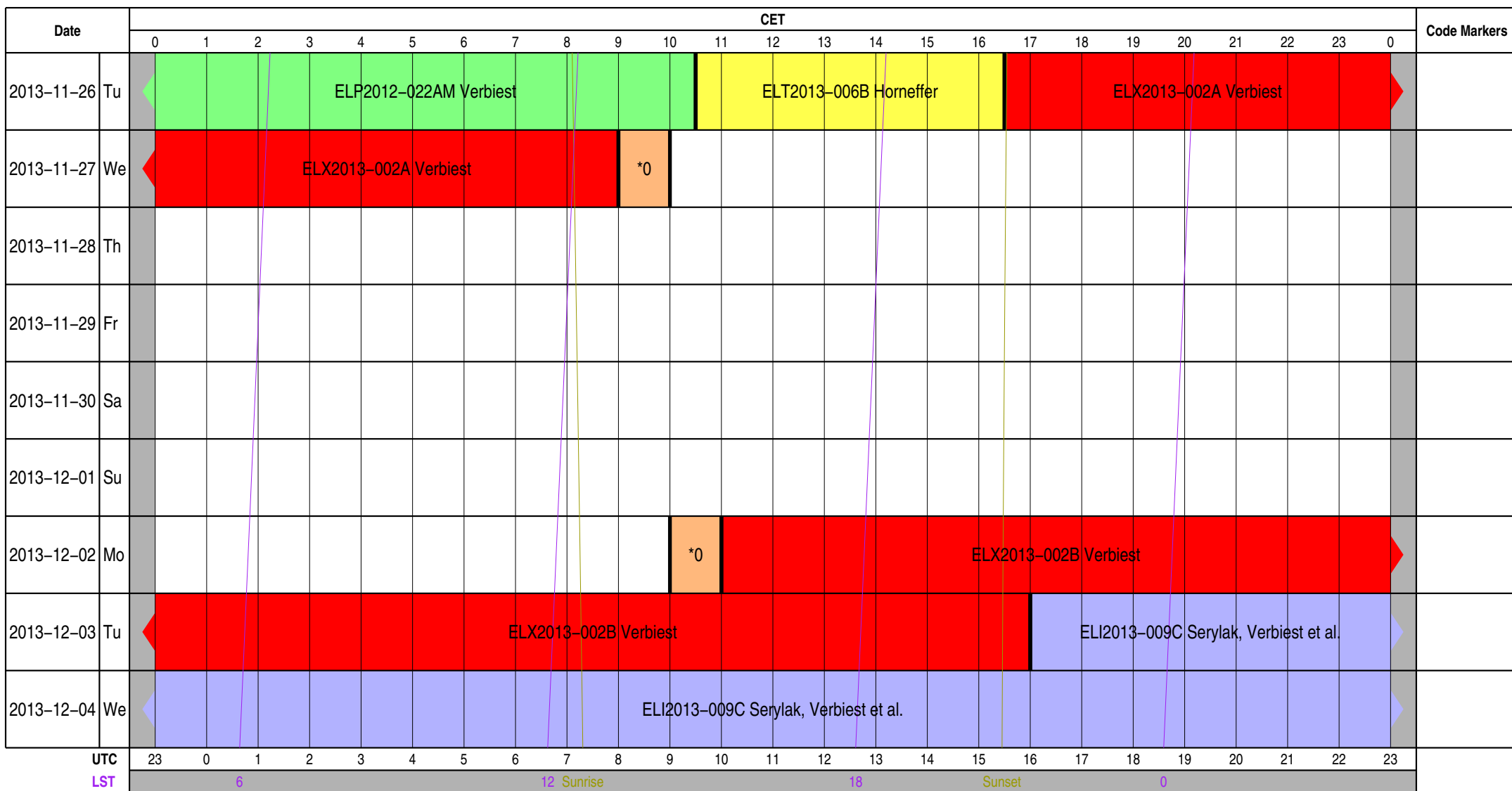
0 ELM2013-012 Kuniyoshi, Horneff

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 2013-11-26 through 2013-12-04



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 LOFAR Fiber Connection

MPIfR Effelsberg LOFAR Station

2013-11-26 through 2013-12-04

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											
2013-11-26 Tu												ELT2013-006B Horneffer																									
2013-11-27 We										*0		ELI2013-000 ILT Operations																									
2013-11-28 Th												ELI2013-000 ILT Operations																									
2013-11-29 Fr												ELI2013-000 ILT Operations																									
2013-11-30 Sa												ELI2013-000 ILT Operations																									
2013-12-01 Su												ELI2013-000 ILT Operations																									
2013-12-02 Mo																																					
2013-12-03 Tu																																					
2013-12-04 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	23											
LST																																					
		6							12 Sunrise						18		Sunset				0																

Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

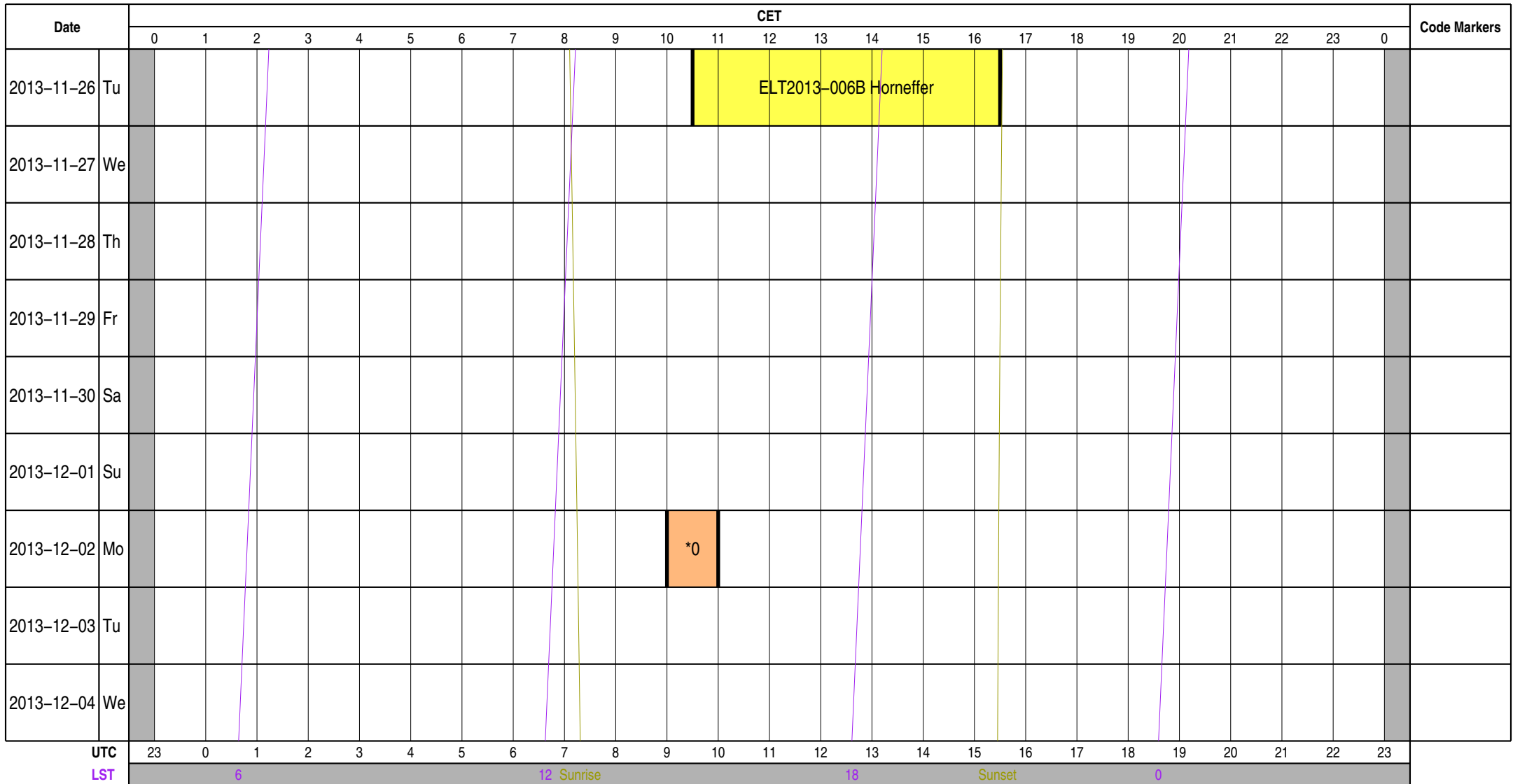
Science A (Astrometry)	Science O (Other)	ILT Mode	Piggyback Without Control
Science C (Cosmology)	Science P (Pulsar)	Effelsberg Mode	Experiment Warning
Science E (Extragalactic)	Science R (Cosmic Rays)	GLOW Mode	Override Possible
Science G (Galactic)	Science S (Solar System)	Juelich Mode	
Science H (Ionosphere)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

Observing Plan for LOFAR Bonn--EF Fiber Connection

MPIfR Effelsberg LOFAR Station

2013-11-26 through 2013-12-04

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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 Operator On-Duty

MPIfR Effelsberg LOFAR Station

2013-11-26 through 2013-12-04

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
2013-11-26 Tu																										
2013-11-27 We																										
2013-11-28 Th																										
2013-11-29 Fr																										
2013-11-30 Sa																										
2013-12-01 Su																										
2013-12-02 Mo																										
2013-12-03 Tu																										
2013-12-04 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							12 Sunrise					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
ELI2013-009	Serylak, Verbiest et al.	joris.verbiest@gmail.com	+49 521 106 3184	LC1_048 Studying Pulsars and the Interstellar Medium using
ELI2013-009 C	Serylak, Verbiest et al.	joris.verbiest@gmail.com	+49 521 106 3184	LC1_048 Studying Pulsars and the Interstellar Medium using
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 AM	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELT2013-006	Horneffer	ahorneffer@mpifr-bonn.mpg.de	+49 228 525 505	testing GLOW mode setup
ELT2013-006 B	Horneffer	ahorneffer@mpifr-bonn.mpg.de	+49 228 525 505	testing GLOW mode setup
ELX2013-002	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Loose fiber connector on switch S2
ELX2013-002 A	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Loose fiber connector on switch S2
ELX2013-002 B	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Loose fiber connector on switch S2

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	120.00	120.00	120.00	120.00	120.00	120.00					120.00		
ELI2013-000	120.00	120.00	120.00	120.00	120.00	120.00					120.00		
ELI2013-009	31.00		31.00					31.00	31.00				
ELI2013-009 C	31.00		31.00					31.00	31.00				
ELM2013-012	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	2.00	1.00	2.00	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	1.00	1.00	1.00	1.00	
ELP2012-022	10.50		10.50					10.50	10.50				
ELP2012-022 AM	10.50		10.50					10.50	10.50				
ELT2013-006	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	
ELT2013-006 B	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	
ELX2013-002	46.50		46.50					46.50	46.50				
ELX2013-002 A	16.50		16.50					16.50	16.50				
ELX2013-002 B	30.00		30.00					30.00	30.00				

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

