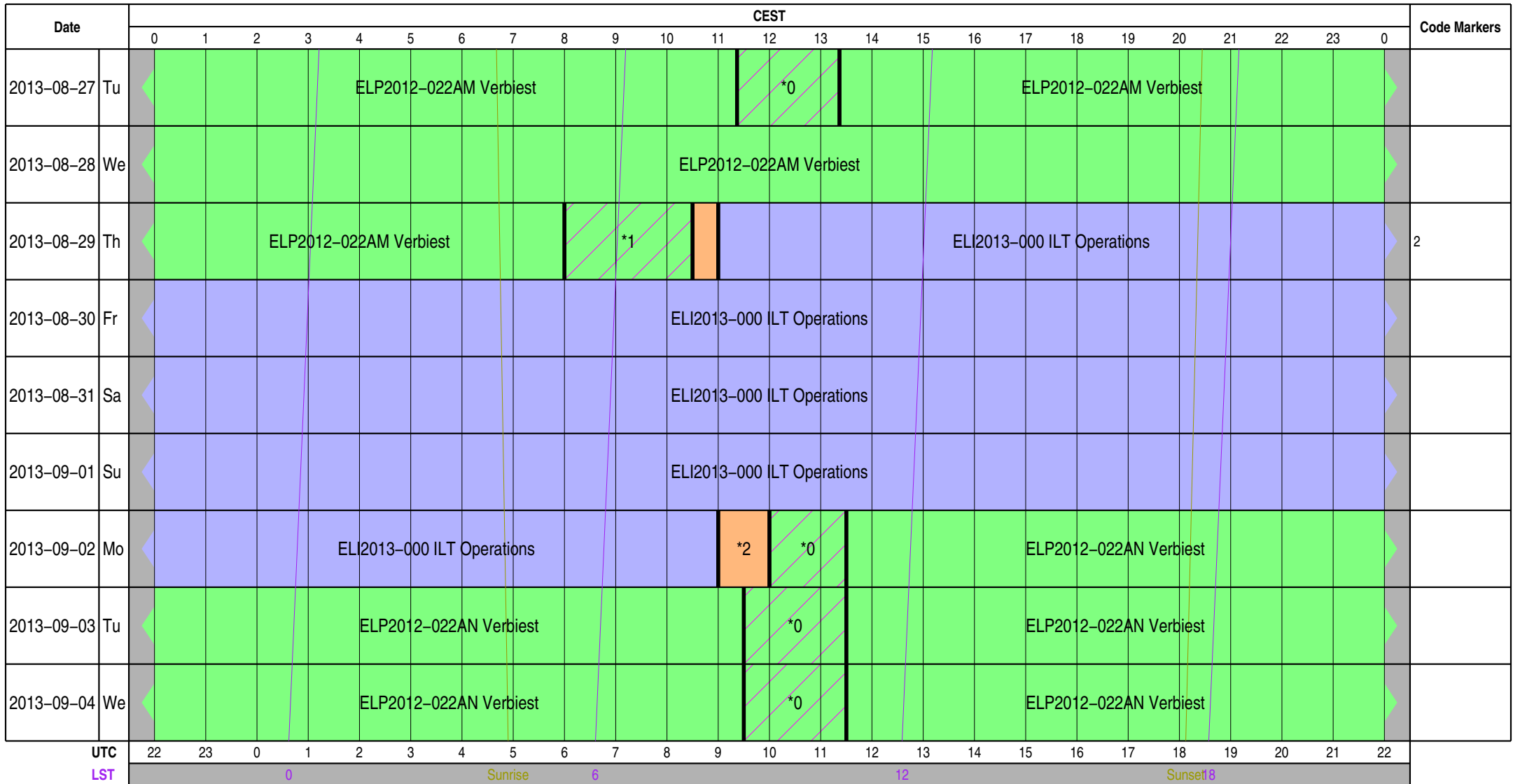


Observing Plan for Station Control (LCU)

MPIfR Effelsberg LOFAR Station

2013-08-27 through 2013-09-04

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."



Normal Experiment Code Markers

- 0 ELP2013-006 Verbiest, Kuniyoshi
- 1 ELS2013-001 Koehler et al.
- 2 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

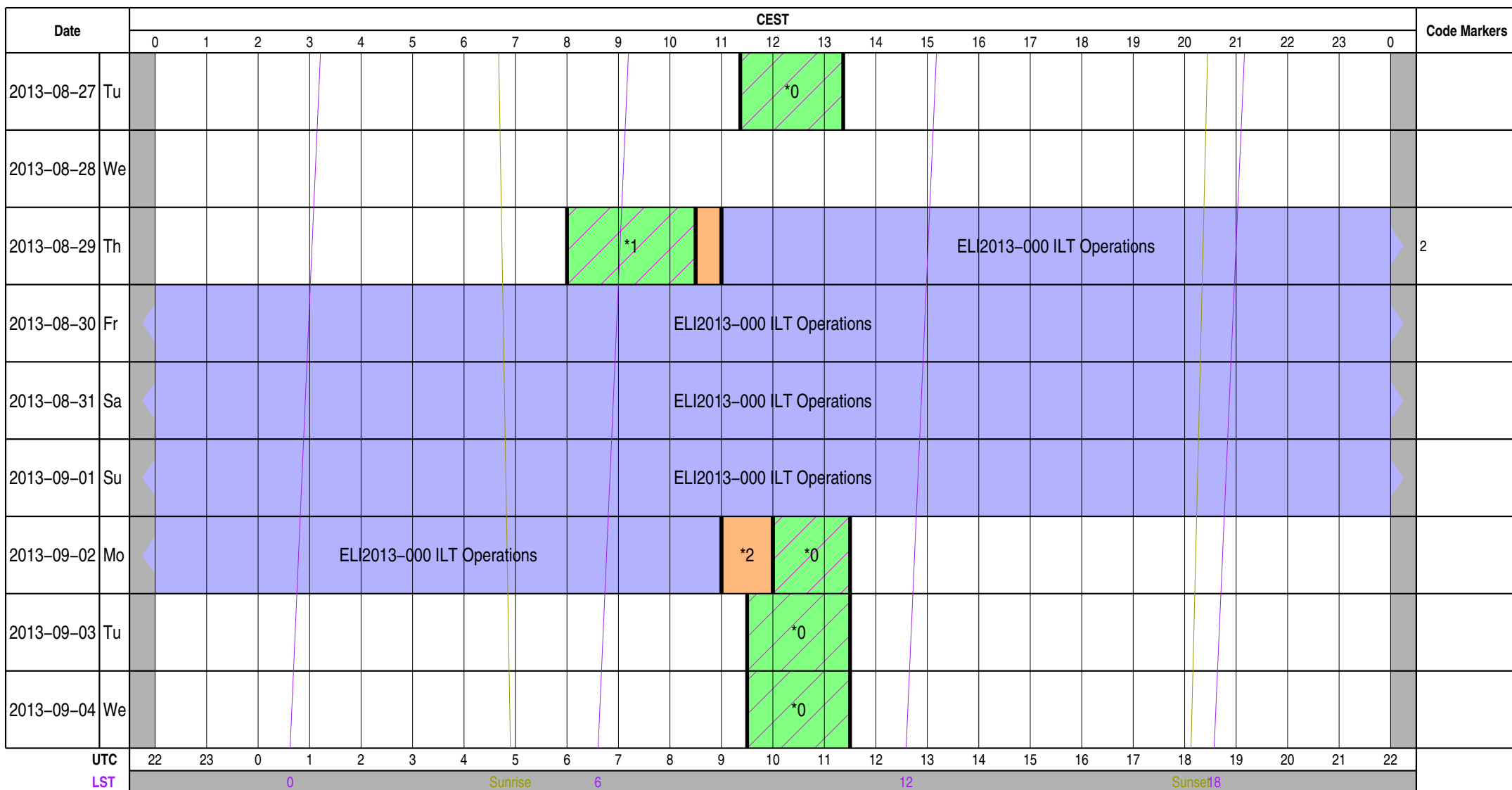
Color Meanings

- | | | | |
|---------------------------|--------------------------|-------------------|---------------------------|
| 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

2013-08-27 through 2013-09-04



Normal Experiment Code Markers

- 0 ELP2013-006 Verbiest, Kuniyoshi
- 1 ELS2013-001 Koehler et al.
- 2 ELM2013-012 Kuniyoshi, Horneff

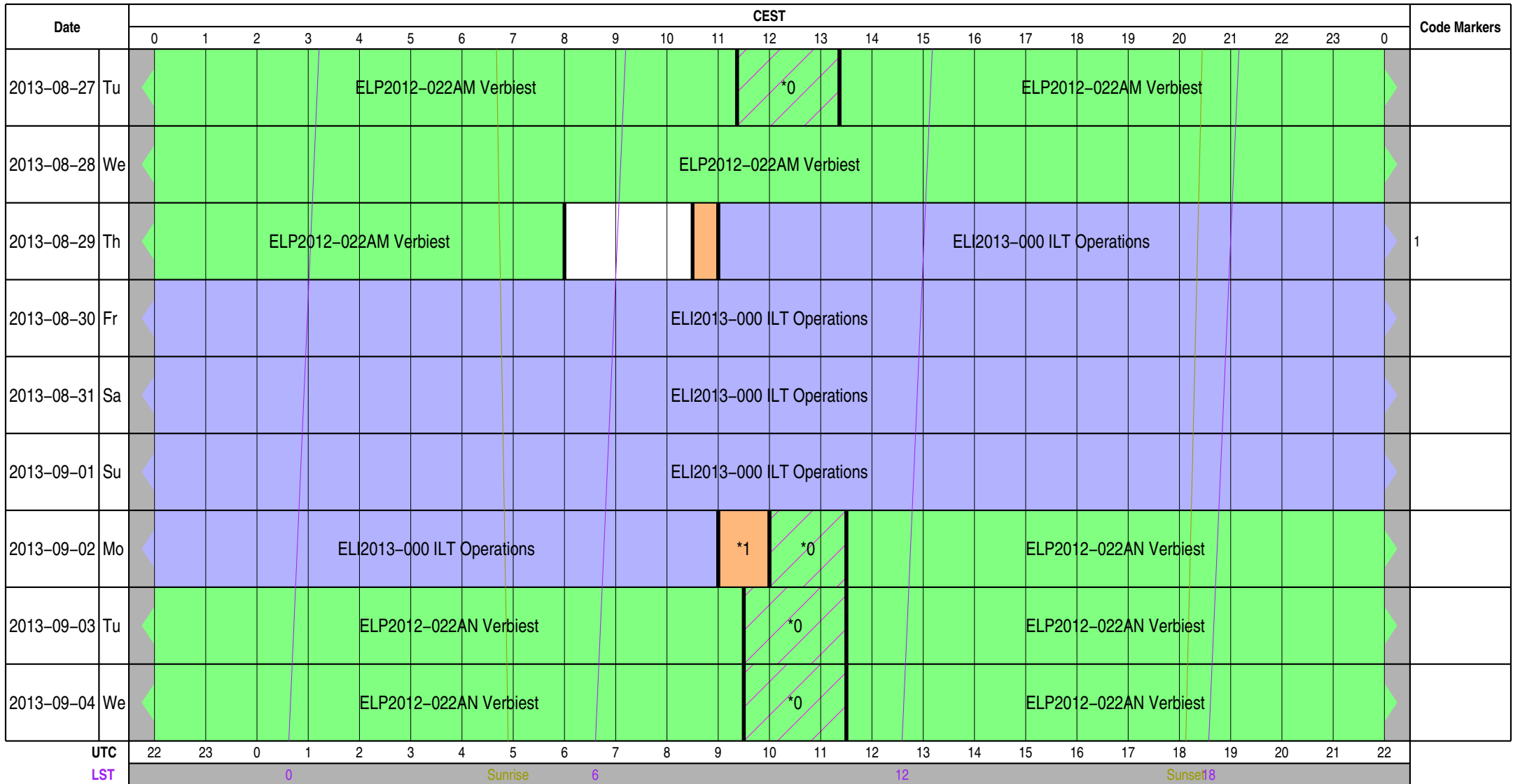
Other Code Markers

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 2013-08-27 through 2013-09-04

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."



Normal Experiment Code Markers

- 0 ELP2013-006 Verbiest, Kuniyoshi
- 1 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

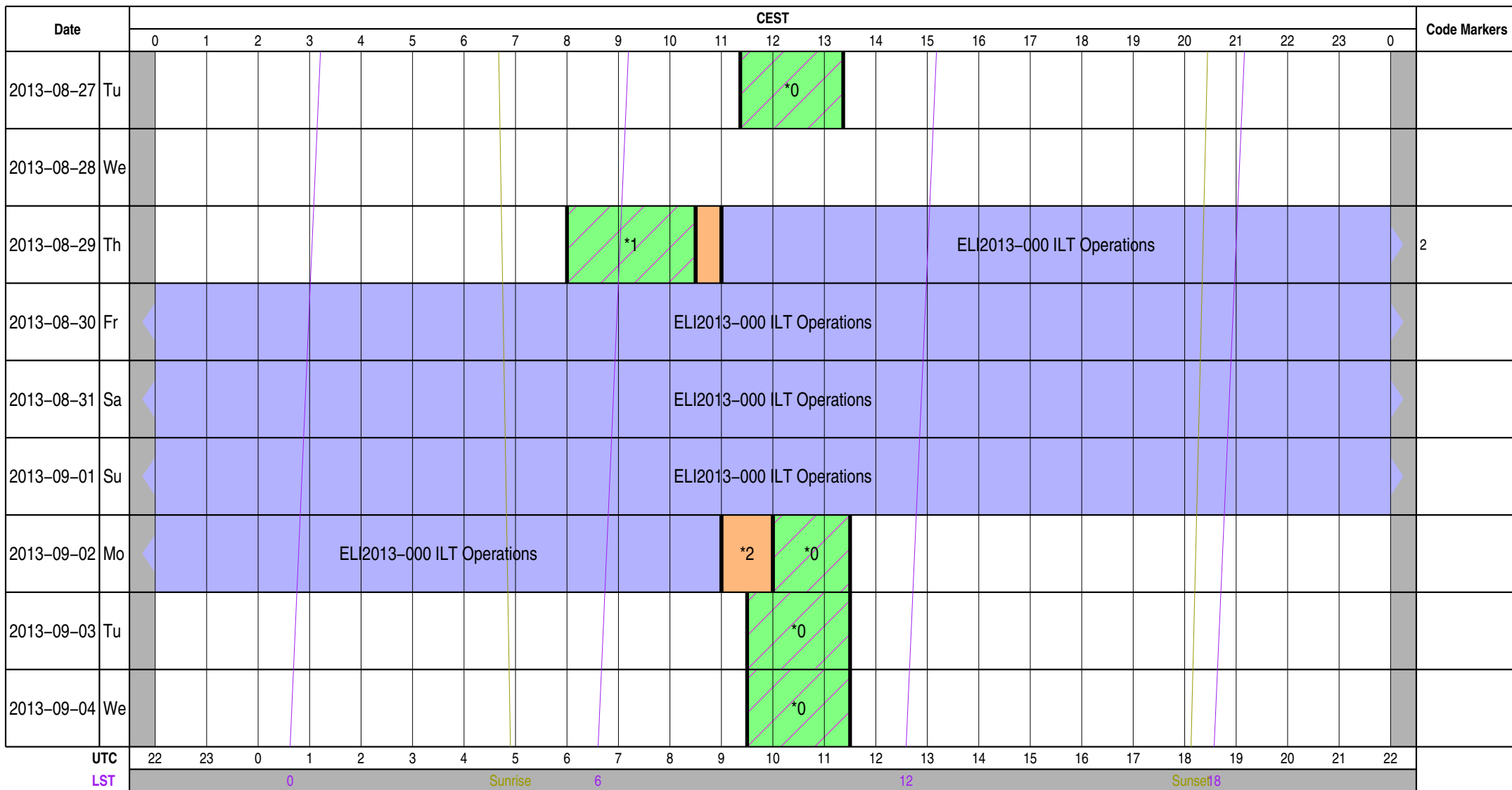
Color Meanings

- | | | | |
|---------------------------|--------------------------|-------------------|---------------------------|
| 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

2013-08-27 through 2013-09-04



Normal Experiment Code Markers

- 0 ELP2013-006 Verbiest, Kuniyoshi
- 1 ELS2013-001 Koehler et al.
- 2 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

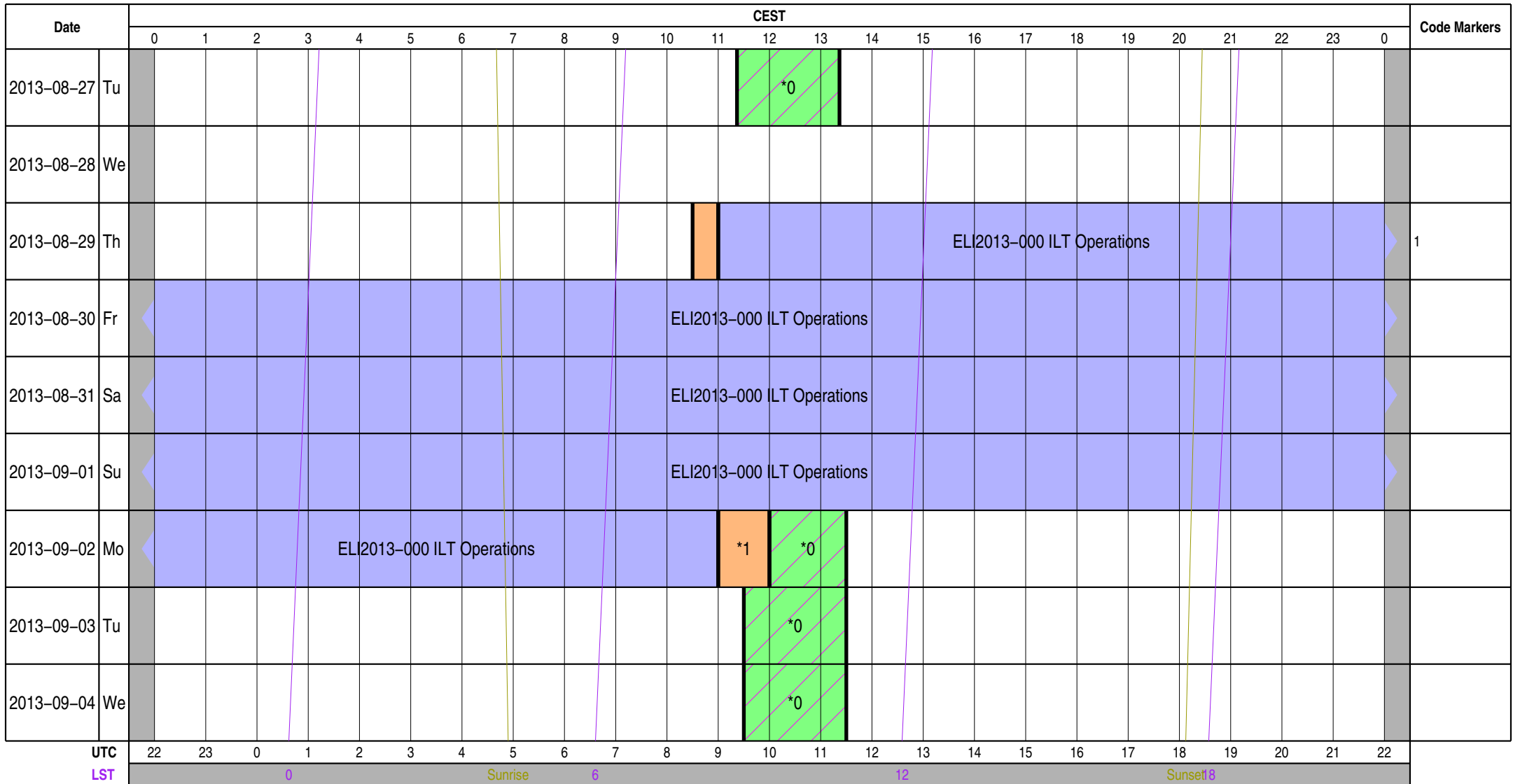
Color Meanings

- | | | | |
|---------------------------|--------------------------|-------------------|---------------------------|
| 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 Low, Unused Inputs

MPIfR Effelsberg LOFAR Station

2013-08-27 through 2013-09-04



Normal Experiment Code Markers

- 0 ELP2013-006 Verbiest, Kuniyoshi
- 1 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

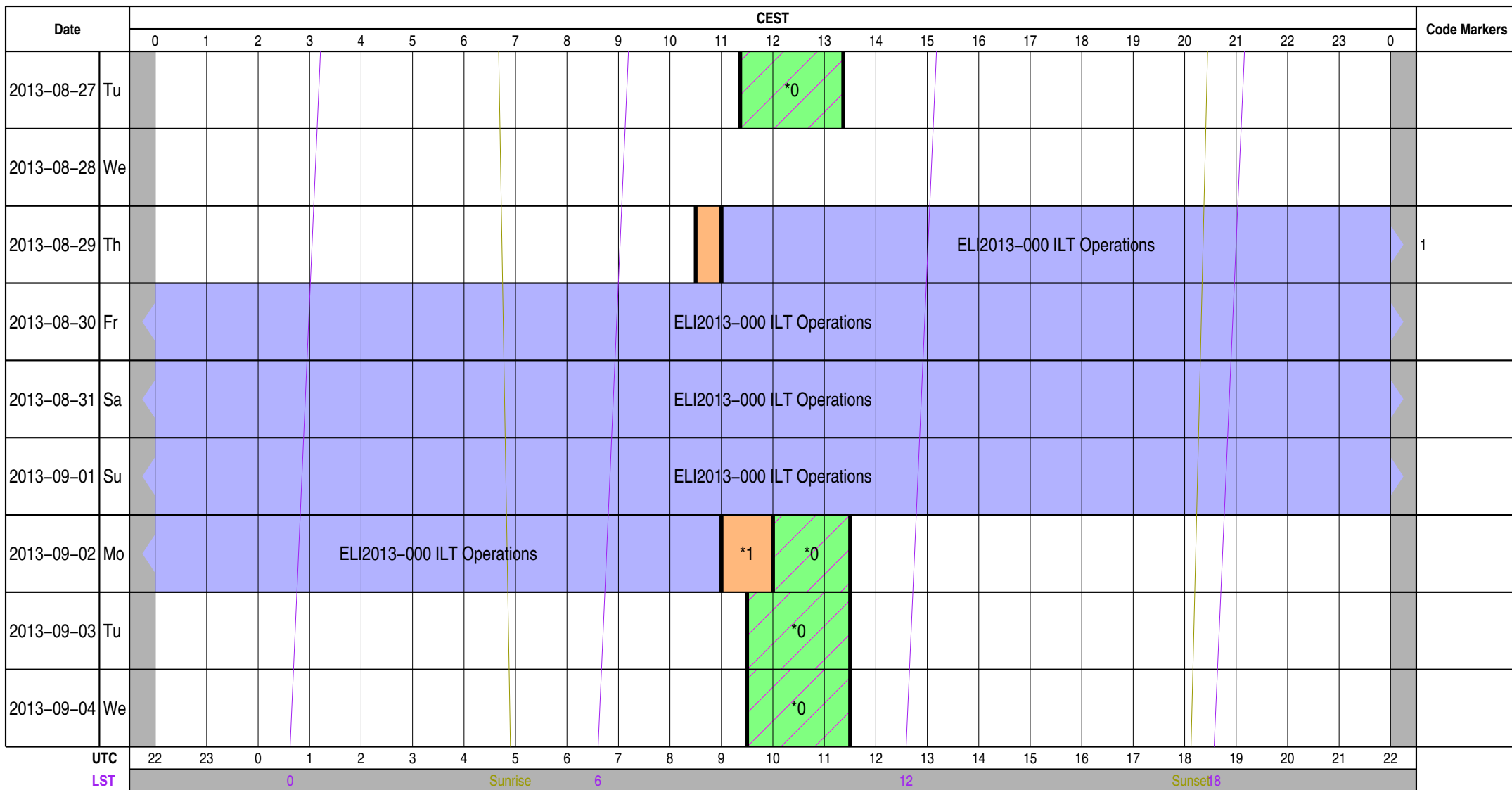
Color Meanings

- | | | | |
|---------------------------|--------------------------|-------------------|---------------------------|
| 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

2013-08-27 through 2013-09-04



Normal Experiment Code Markers

- 0 ELP2013-006 Verbiest, Kuniyoshi
- 1 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

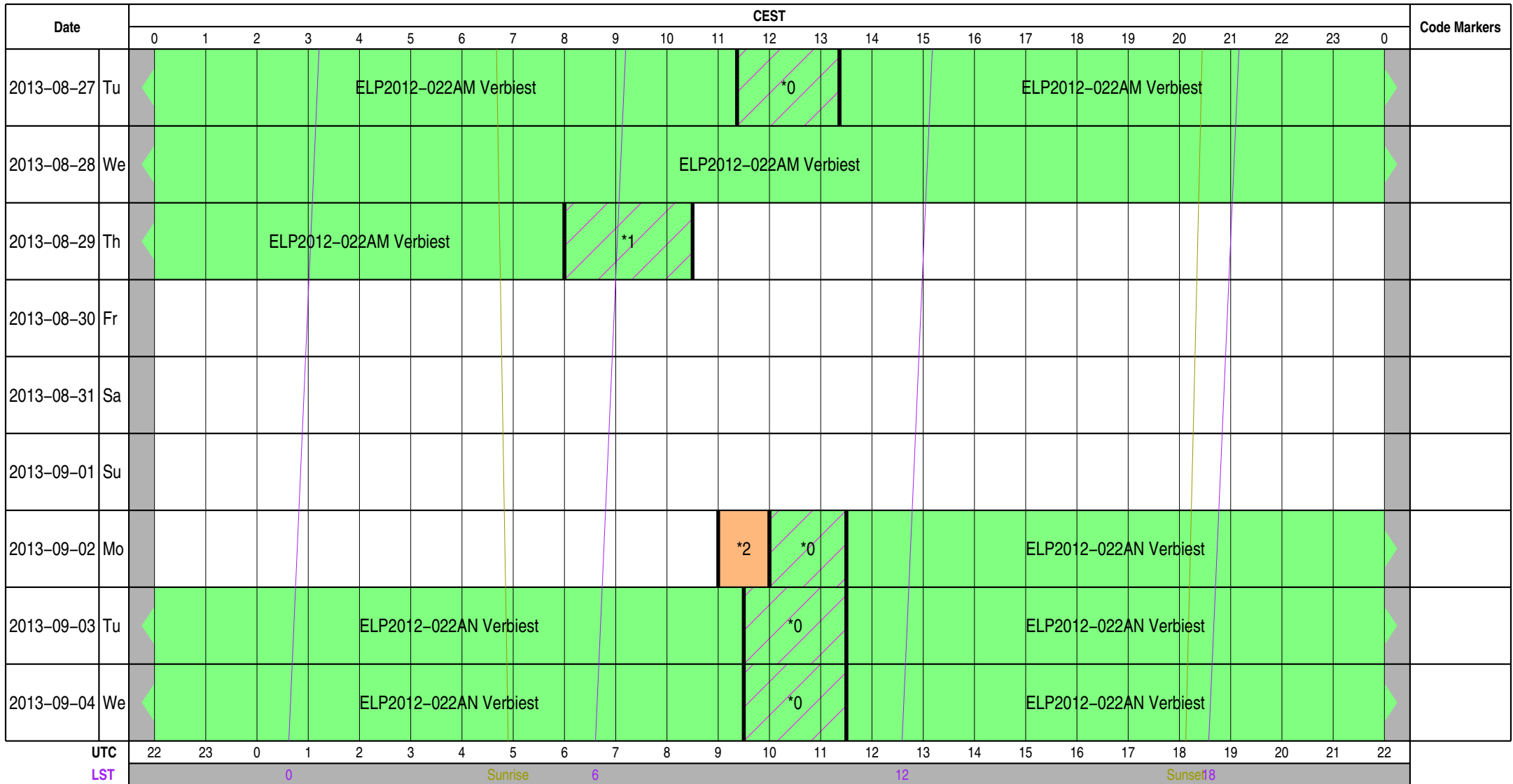
- | | | | |
|---------------------------|--------------------------|-------------------|---------------------------|
| Science A (Astrometry) | Science O (Other) | ILT Mode | Piggyback Without Control |
| Science C (Cosmology) | Science P (Pulsar) | Effelsberg Mode | Experiment Warning |
| Science E (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 IofarBN Computers

MPIfR Effelsberg LOFAR Station

2013-08-27 through 2013-09-04

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Normal Experiment Code Markers

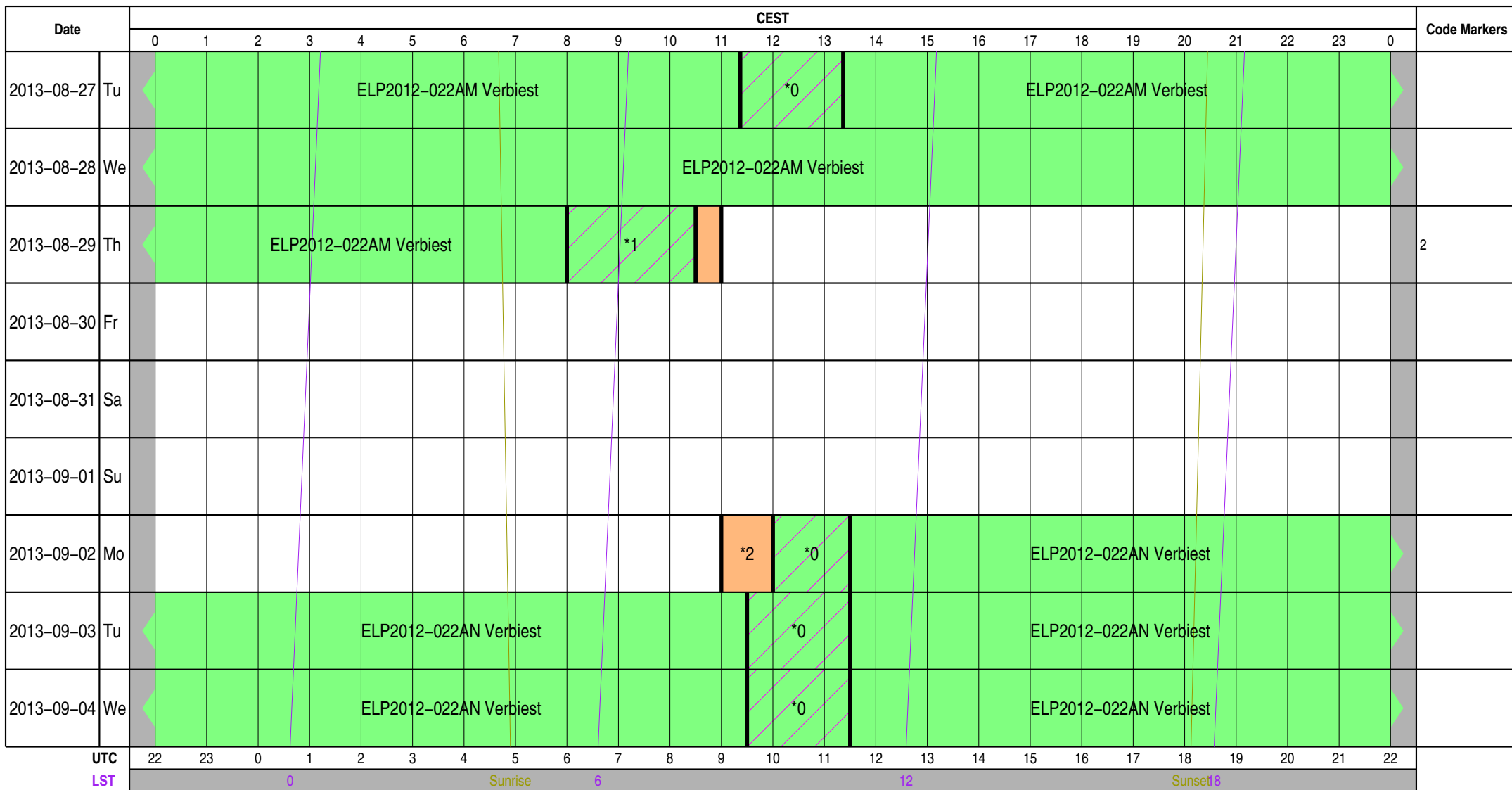
- 0 ELP2013-006 Verbiest, Kuniyoshi
- 1 ELS2013-001 Koehler et al.
- 2 ELM2013-012 Kuniyoshi, Horneff

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 2013-08-27 through 2013-09-04



Normal Experiment Code Markers

- 0 ELP2013-006 Verbiest, Kuniyoshi
- 1 ELS2013-001 Koehler et al.
- 2 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

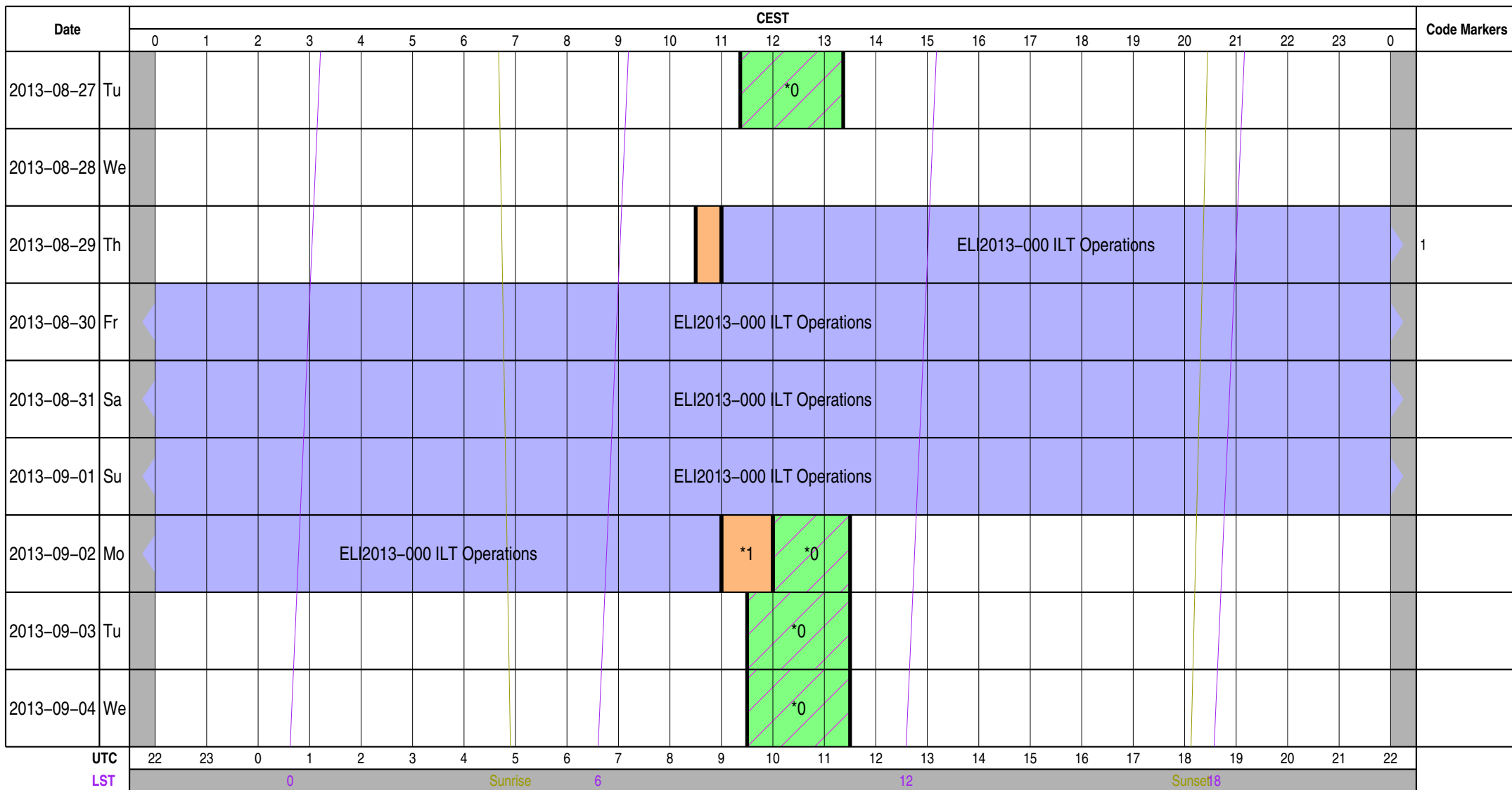
Color Meanings

- | | | | |
|---------------------------|--------------------------|-------------------|---------------------------|
| 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

2013-08-27 through 2013-09-04



Normal Experiment Code Markers

- 0 ELP2013-006 Verbiest, Kuniyoshi
- 1 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

2013-08-27 through 2013-09-04

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Date		CEST																								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
2013-08-27	Tu													*0													
2013-08-28	We																										
2013-08-29	Th																										
2013-08-30	Fr																										
2013-08-31	Sa																										
2013-09-01	Su																										
2013-09-02	Mo												*1	*0													
2013-09-03	Tu												*0														
2013-09-04	We												*0														
UTC		22	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
LST		0				Sunrise 6							12				Sunset 8										

Normal Experiment Code Markers

- 0 ELP2013-006 Verbiest, Kuniyoshi
- 1 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 | |

Version: draft
 Creation Date: 2013-08-27T15:18:53.148195Z
 Operator Telephone: +49 2257 301 155
 Web Page: https://deki.mpifr-bonn.mpg.de/Cooperations/LOFAR/Effelsberg_LOFAR_Schedule

Observing Plan for Operator On-Duty

MPIfR Effelsberg LOFAR Station

2013-08-27 through 2013-09-04

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Date	CEST																								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	
2013-08-27	Tu																										
2013-08-28	We																										
2013-08-29	Th																										
2013-08-30	Fr																										
2013-08-31	Sa																										
2013-09-01	Su																										
2013-09-02	Mo																										
2013-09-03	Tu																										
2013-09-04	We																										

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

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
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
ELP2012-022 AM	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
ELP2012-022 AN	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2013-006	Verbiest, Kuniyoshi	joris.verbiest@gmail.com	+49 521 106 3184	Mapping the Solar Heliosphere with LOFAR Observations of Pu
ELP2013-006	Verbiest, Kuniyoshi	joris.verbiest@gmail.com	+49 521 106 3184	Mapping the Solar Heliosphere with LOFAR Observations of Pu
ELP2013-006	Verbiest, Kuniyoshi	joris.verbiest@gmail.com	+49 521 106 3184	Mapping the Solar Heliosphere with LOFAR Observations of Pu
ELP2013-006	Verbiest, Kuniyoshi	joris.verbiest@gmail.com	+49 521 106 3184	Mapping the Solar Heliosphere with LOFAR Observations of Pu
ELP2013-006	Verbiest, Kuniyoshi	joris.verbiest@gmail.com	+49 521 106 3184	Mapping the Solar Heliosphere with LOFAR Observations of Pu
ELS2013-001	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	Observation of Jupiter Io-A Event
ELS2013-001	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	Observation of Jupiter Io-A Event

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	96.00	96.00	96.00	96.00	96.00	96.00					96.00		
ELI2013-000	96.00	96.00	96.00	96.00	96.00	96.00					96.00		
ELM2013-012	1.50	1.50	1.50	1.50	1.50	1.50	1.00	1.00	1.50	1.00	1.50	1.00	
ELM2013-012	0.50	0.50	0.50	0.50	0.50	0.50			0.50		0.50		
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	108.50		108.50					108.50	108.50				
ELP2012-022 AM	11.37		11.37					11.37	11.37				
ELP2012-022 AM	42.63		42.63					42.63	42.63				
ELP2012-022 AN	22.00		22.00					22.00	22.00				
ELP2012-022 AN	22.00		22.00					22.00	22.00				
ELP2012-022 AN	10.50		10.50					10.50	10.50				
ELP2013-006	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	
ELP2013-006	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
ELP2013-006	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
ELP2013-006	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
ELP2013-006	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
ELS2013-001	2.50	2.50		2.50			2.50	2.50	2.50	2.50			
ELS2013-001	2.50	2.50		2.50			2.50	2.50	2.50	2.50			

Time Usage [hours] for Other Actions

Experiment Code	station	TBB	HBA	LBH	LBL	interfe	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF_	duty
-----------------	---------	-----	-----	-----	-----	---------	---------	---------	--------	---------	-------	---------	------

Time Usage [hours] for Operator On-Duty Schedule

Experiment Code

station

TBB

HBA

LBH

LBL

interfe

lofarAN

lofarBN

lofarx

lofarsr

fiber

BN--EF_

duty

