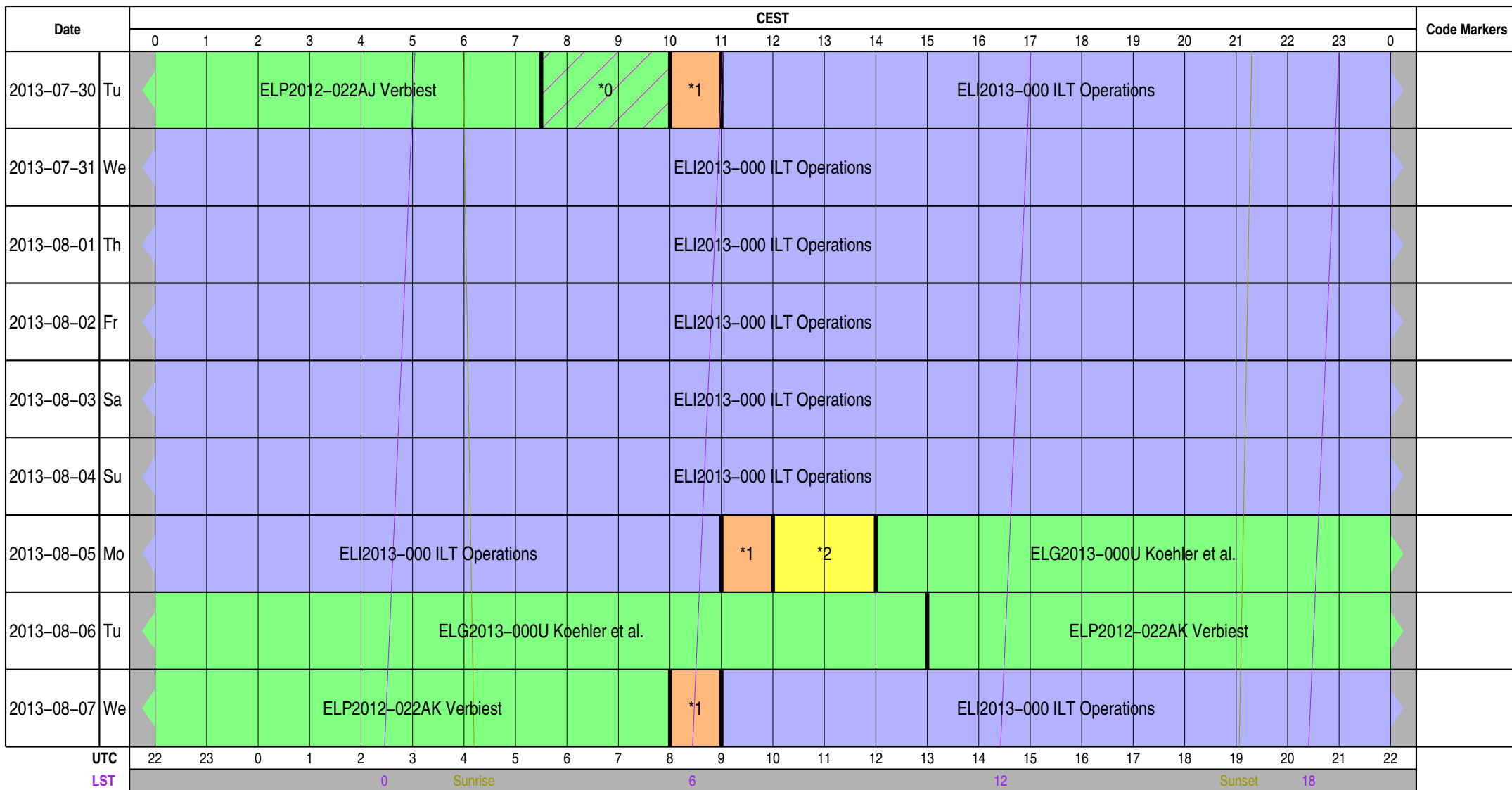


# Observing Plan for Station Control (LCU)

## MPIfR Effelsberg LOFAR Station

### 2013-07-30 through 2013-08-07



#### Normal Experiment Code Markers

- 0 ELS2013-000A Koehler et al.
- 1 ELM2013-012 Kuniyoshi, Horneff
- 2 ELT2012-005D Anderson

#### Other Code Markers

- \*0
- \*1
- \*2

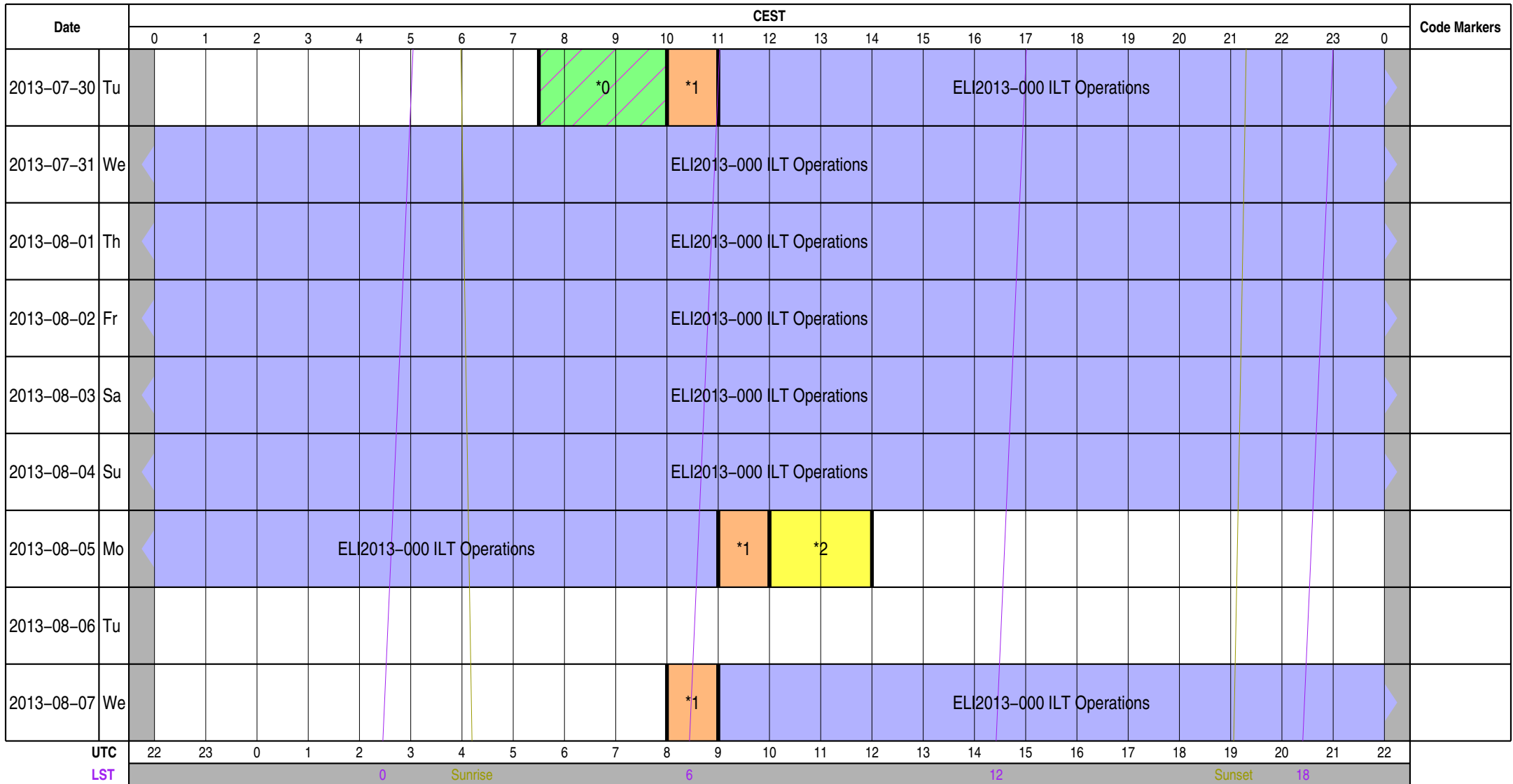
#### Color Meanings

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

### 2013-07-30 through 2013-08-07



**Normal Experiment Code Markers**

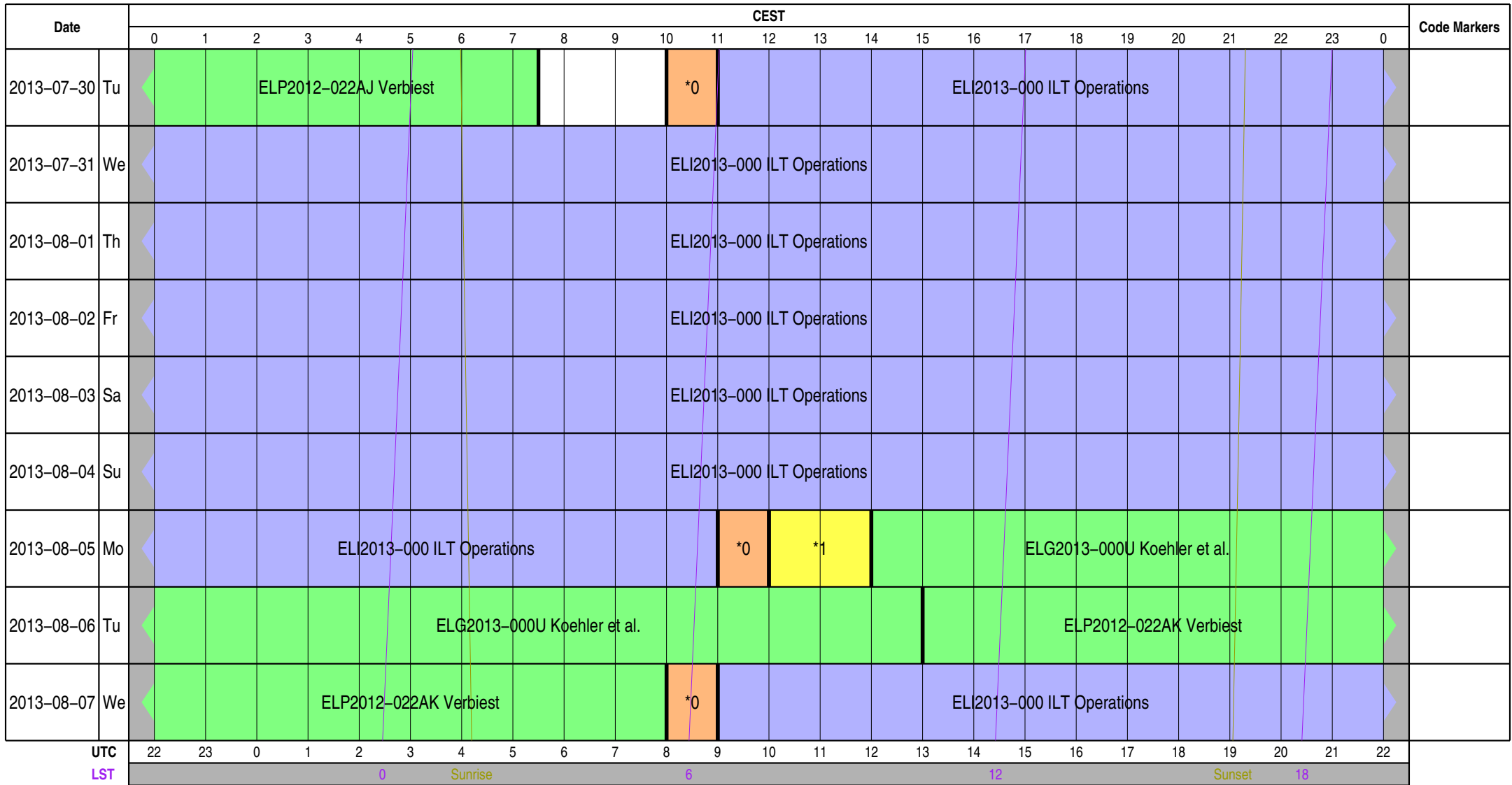
- 0 ELS2013-000A Koehler et al.
- 1 ELM2013-012 Kuniyoshi, Horneff
- 2 ELT2012-005D Anderson

**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 2013-07-30 through 2013-08-07



**Normal Experiment Code Markers**

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELT2012-005D Anderson

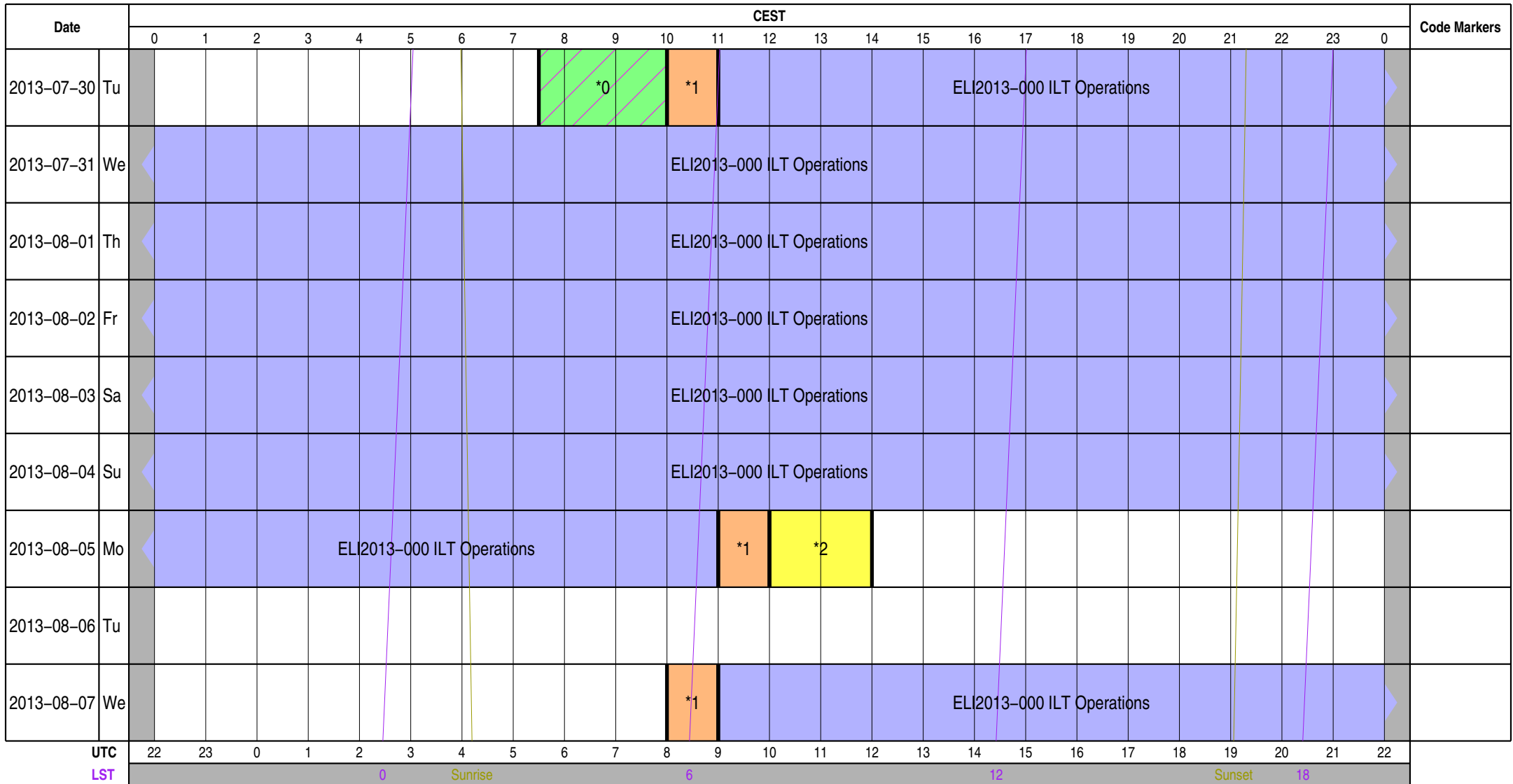
**Other Code Markers**

**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 2013-07-30 through 2013-08-07

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 ELS2013-000A Koehler et al.
- 1 ELM2013-012 Kuniyoshi, Horneff
- 2 ELT2012-005D Anderson

**Other Code Markers**

**Color Meanings**

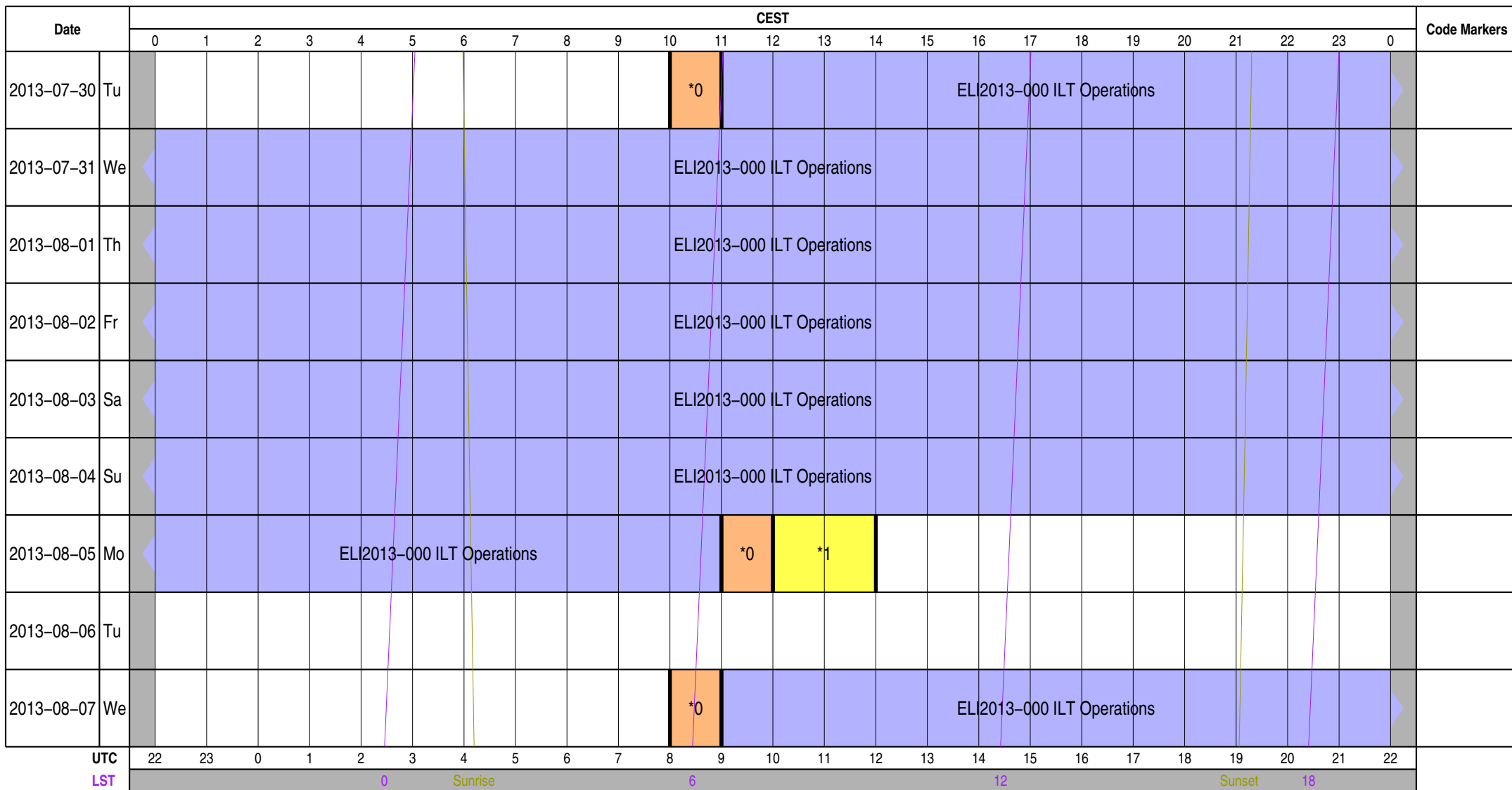
- |                           |                          |                   |                           |
|---------------------------|--------------------------|-------------------|---------------------------|
| Science A (Astrometry)    | Science O (Other)        | ILT Mode          | Piggyback Without 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

### 2013-07-30 through 2013-08-07

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 ELT2012-005D Anderson

**Other Code Markers**

**Color Meanings**

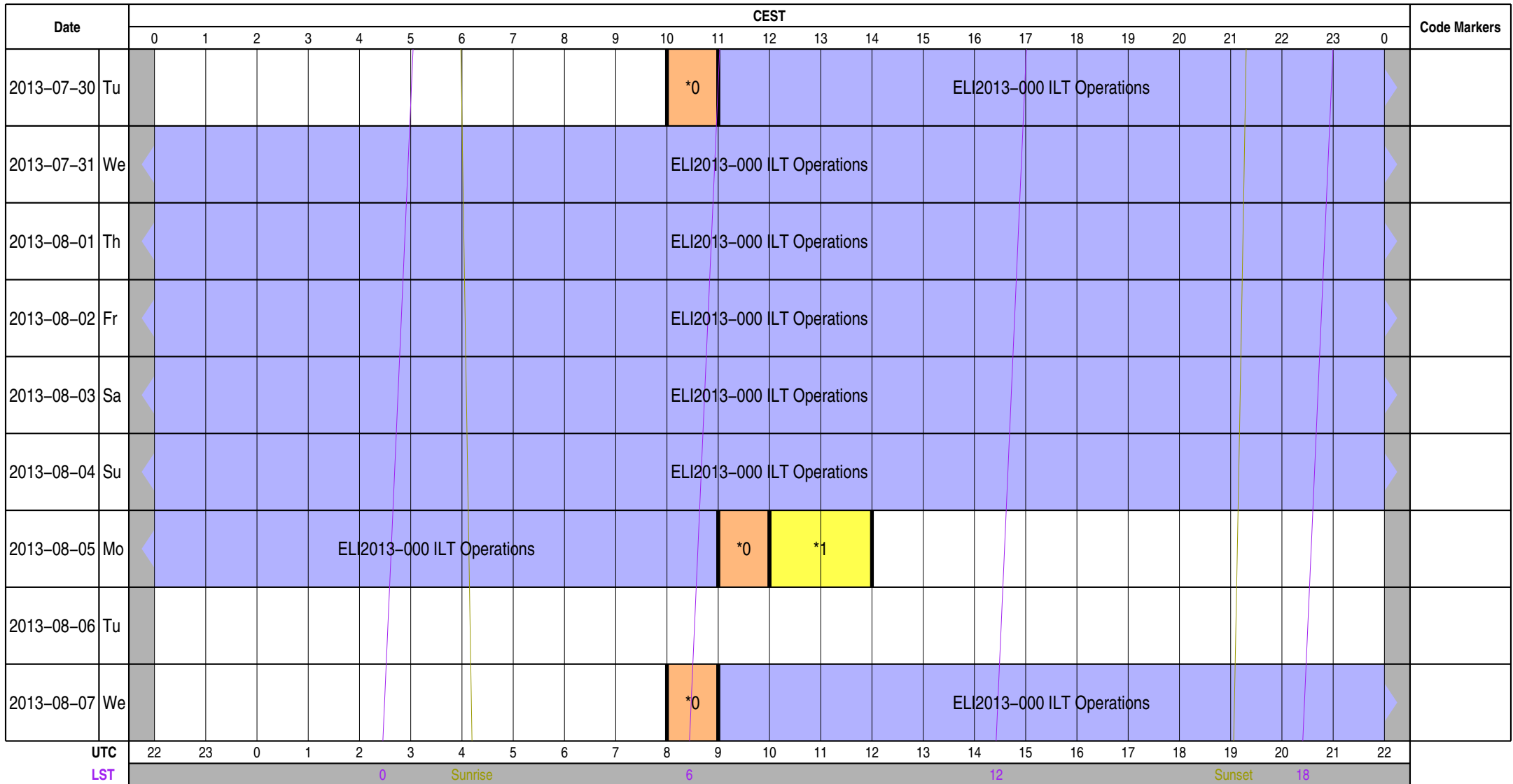
- |                           |                          |                   |                           |
|---------------------------|--------------------------|-------------------|---------------------------|
| Science A (Astrometry)    | Science O (Other)        | ILT Mode          | Piggyback Without 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

### 2013-07-30 through 2013-08-07

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 ELT2012-005D Anderson

**Other Code Markers**

**Color Meanings**

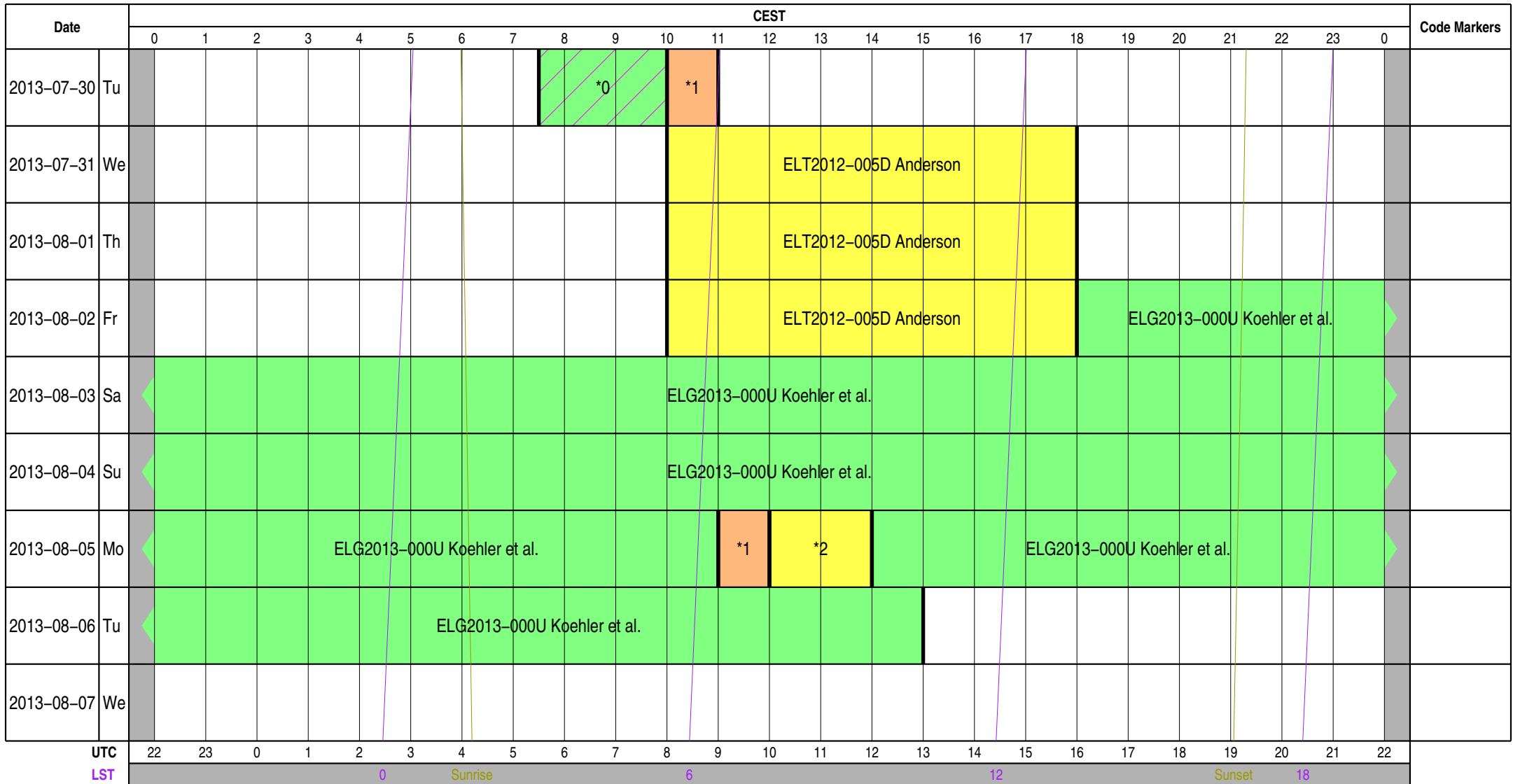
- |                           |                          |                   |                           |
|---------------------------|--------------------------|-------------------|---------------------------|
| Science A (Astrometry)    | Science O (Other)        | ILT Mode          | Piggyback Without 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

### 2013-07-30 through 2013-08-07

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 ELS2013-000A Koehler et al.
- 1 ELM2013-012 Kuniyoshi, Horneff
- 2 ELT2012-005D Anderson

**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

### 2013-07-30 through 2013-08-07

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	Day	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	
2013-07-30	Tu	ELP2012-022AJ Verbiest							*0	*1	ELP2012-022AK Verbiest																	
2013-07-31	We	ELP2012-022AK Verbiest							ELT2012-005D Anderson							ELP2012-022AK Verbiest												
2013-08-01	Th	ELP2012-022AK Verbiest							ELT2012-005D Anderson							ELP2012-022AK Verbiest												
2013-08-02	Fr	ELP2012-022AK Verbiest							ELT2012-005D Anderson							ELG2013-000U Koehler et al.												
2013-08-03	Sa								ELG2013-000U Koehler et al.																			
2013-08-04	Su								ELG2013-000U Koehler et al.																			
2013-08-05	Mo	ELG2013-000U Koehler et al.							*1	*2	ELG2013-000U Koehler et al.																	
2013-08-06	Tu	ELG2013-000U Koehler et al.														ELP2012-022AK Verbiest												
2013-08-07	We	ELP2012-022AK Verbiest																										

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						18					

#### Normal Experiment Code Markers

- 0 ELS2013-000A Koehler et al.
- 1 ELM2013-012 Kuniyoshi, Horneff
- 2 ELT2012-005D Anderson

#### 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 2013-07-30 through 2013-08-07

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	Day	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	
2013-07-30	Tu	ELP2012-022AJ Verbiest							*0	*1	ELP2012-022AK Verbiest																	
2013-07-31	We	ELP2012-022AK Verbiest							ELT2012-005D Anderson							ELP2012-022AK Verbiest												
2013-08-01	Th	ELP2012-022AK Verbiest							ELT2012-005D Anderson							ELP2012-022AK Verbiest												
2013-08-02	Fr	ELP2012-022AK Verbiest							ELT2012-005D Anderson							ELG2013-000U Koehler et al.												
2013-08-03	Sa	ELG2013-000U Koehler et al.																										
2013-08-04	Su	ELG2013-000U Koehler et al.																										
2013-08-05	Mo	ELG2013-000U Koehler et al.							*1	*2	ELG2013-000U Koehler et al.																	
2013-08-06	Tu	ELG2013-000U Koehler et al.							ELP2012-022AK Verbiest																			
2013-08-07	We	ELP2012-022AK Verbiest							*1																			

<b>UTC</b>	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
<b>LST</b>	0						Sunrise			6			12						Sunset			18			

**Normal Experiment Code Markers**

- 0 ELS2013-000A Koehler et al.
- 1 ELM2013-012 Kuniyoshi, Horneff
- 2 ELT2012-005D Anderson

**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 lofarsrv Computer MPIfR Effelsberg LOFAR Station 2013-07-30 through 2013-08-07

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	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
2013-07-30 Tu									*	0	*1															
2013-07-31 We																										
2013-08-01 Th																										
2013-08-02 Fr																										
2013-08-03 Sa																										
2013-08-04 Su																										
2013-08-05 Mo																										
2013-08-06 Tu																										
2013-08-07 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	18			

**Normal Experiment Code Markers**

- 0 ELS2013-000A Koehler et al.
- 1 ELM2013-012 Kuniyoshi, Horneff
- 2 ELT2012-005D Anderson

**Other Code Markers**

**Color Meanings**

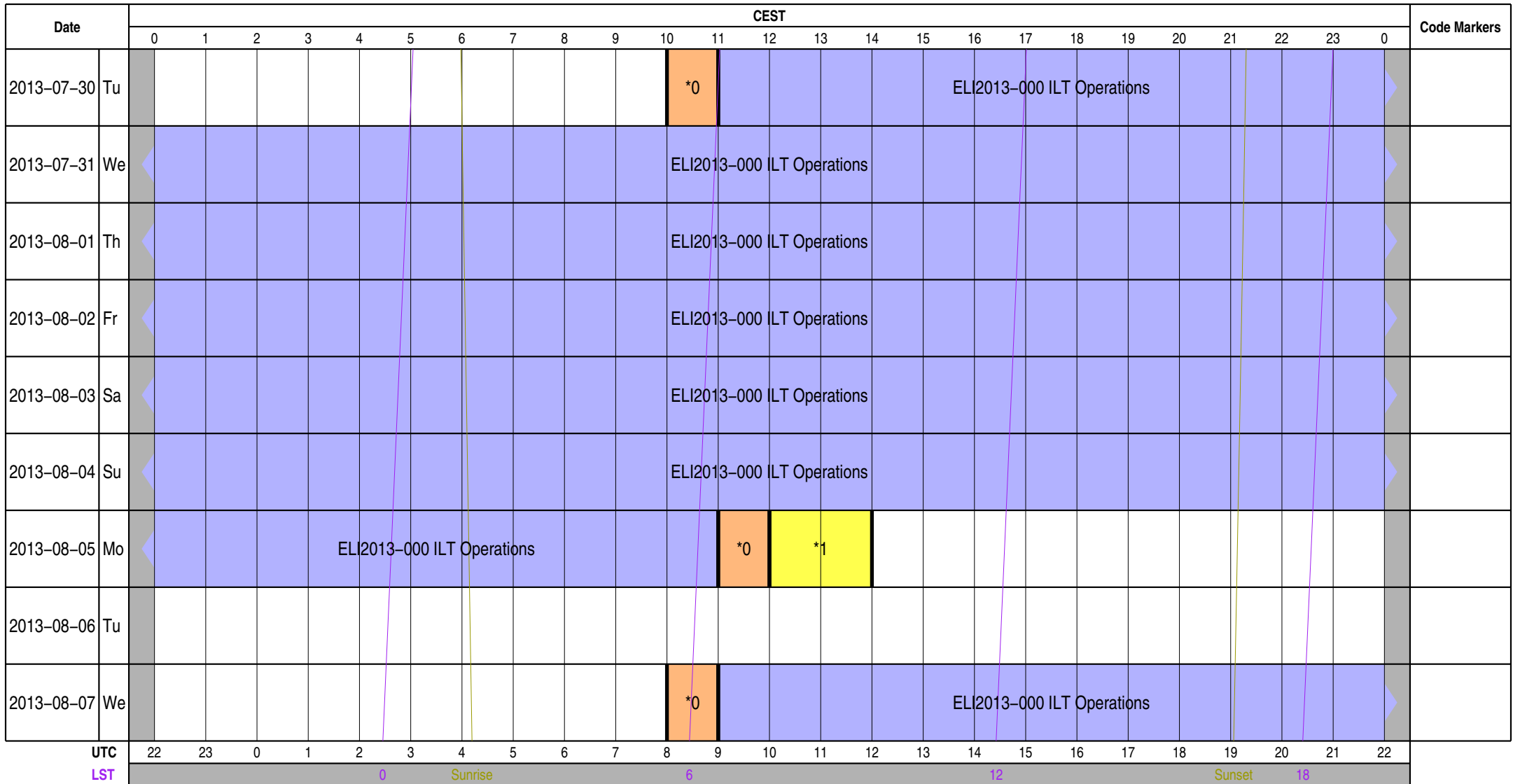
- |                           |                          |                   |                           |
|---------------------------|--------------------------|-------------------|---------------------------|
| Science A (Astrometry)    | Science O (Other)        | ILT Mode          | Piggyback Without 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

### 2013-07-30 through 2013-08-07

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 ELT2012-005D Anderson

**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

### 2013-07-30 through 2013-08-07

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		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	
2013-07-30	Tu																											
2013-07-31	We																											
2013-08-01	Th																											
2013-08-02	Fr																											
2013-08-03	Sa																											
2013-08-04	Su																											
2013-08-05	Mo																											
2013-08-06	Tu																											
2013-08-07	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	18				

#### Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELT2012-005D Anderson

#### 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

### 2013-07-30 through 2013-08-07

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	
2013-07-30	Tu	ELD2013-001 Anderson																								
2013-07-31	We	ELD2013-001 Anderson																								
2013-08-01	Th	ELD2013-001 Anderson																								
2013-08-02	Fr	ELD2013-001 Anderson																								
2013-08-03	Sa	ELD2013-001 Anderson																								
2013-08-04	Su	ELD2013-001 Anderson																								
2013-08-05	Mo																									
2013-08-06	Tu																									
2013-08-07	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	18			

Normal Experiment Code Markers

Other Code Markers

Color Meanings

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

## Experiment Information for Normal Observations

<b>ELG2013-000</b>	<b>Koehler et al.</b>	<b>jana@mpifr-bonn.mpg.de</b>	<b>+49 228 525 533</b>	<b>LC0_044 Studying large-scale polarization properties of the</b>
ELG2013-000 U	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000 U	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
<b>ELI2013-000</b>	<b>ILT Operations</b>	<b>observer@astron.nl</b>	<b>+31 521 595 777</b>	<b>Main ILT Observations, ILT Operations only on-duty 9--17, M</b>
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
<b>ELM2013-012</b>	<b>Kuniyoshi, Horneffer, Anderson</b>	<b>lofar-ops@mpifr-bonn.mpg.de</b>	<b>+49 228 525 356</b>	<b>Handover operations for local to ILT mode (MPIfR time)</b>
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)
<b>ELP2012-022</b>	<b>Verbiest</b>	<b>verbiest@mpifr-bonn.mpg.de</b>	<b>+49 228 525 246</b>	<b>Assessing the Timing Potential of LOFAR for Pulsars</b>
ELP2012-022 AJ	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022 AK	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022 AK	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022 AK	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022 AK	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
<b>ELS2013-000</b>	<b>Koehler et al.</b>	<b>jana@mpifr-bonn.mpg.de</b>	<b>+49 228 525 533</b>	<b>Observation of Jupiter Io-C Event</b>
ELS2013-000 A	Koehler et al.	jana@mpifr-bonn.mpg.de	+49 228 525 533	Observation of Jupiter Io-C Event
<b>ELT2012-005</b>	<b>Anderson</b>	<b>anderson@mpifr-bonn.mpg.de</b>	<b>+49 228 525 356</b>	<b>8 bit mode testing with LuMP</b>
ELT2012-005 D	Anderson	anderson@mpifr-bonn.mpg.de	+49 228 525 356	8 bit mode testing with LuMP
ELT2012-005 D	Anderson	anderson@mpifr-bonn.mpg.de	+49 228 525 356	8 bit mode testing with LuMP
ELT2012-005 D	Anderson	anderson@mpifr-bonn.mpg.de	+49 228 525 356	8 bit mode testing with LuMP
ELT2012-005 D	Anderson	anderson@mpifr-bonn.mpg.de	+49 228 525 356	8 bit mode testing with LuMP

## Experiment Information for Other Actions

# Experiment Information for Operator On-Duty Schedule

<b>ELD2013-001</b>	<b>Anderson</b>	<b>anderson@mpifr-bonn.mpg.de</b>	<b>+49 228 525 356</b>	<b>Project Manager</b>
ELD2013-001	Anderson	anderson@mpifr-bonn.mpg.de	+49 228 525 356	Project Manager





# Time Usage [hours] for Other Actions

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





