

Observing Plan for Station Control (LCU)

MPIfR Effelsberg LOFAR Station

2013-01-18 through 2013-02-01

Date	CET																								Code Markers					
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2013-01-18 Fr	ELI2013-000X ILT Operations																													
2013-01-19 Sa	ELI2013-000X ILT Operations																													
2013-01-20 Su	ELI2013-000X ILT Operations																													
2013-01-21 Mo	ELI2013-000X ILT Operations									*0	*1	ELG2013-000A Koehler et al.																		
2013-01-22 Tu											*2		ELG2013-000B Koehler et al.																	
2013-01-23 We										*0	ELI2013-000X ILT Operations																			
2013-01-24 Th	ELI2013-000X ILT Operations																													
2013-01-25 Fr	ELI2013-000X ILT Operations																													
2013-01-26 Sa	ELI2013-000X ILT Operations																				*0	*3								
2013-01-27 Su					ELP2012-022C Verbiest				ELO2012-002C Kuniyoshi				ELP2012-022C Verbiest				ELG2013-000C Koehler et al.													
2013-01-28 Mo	ELG2013-000C Koehler et al.																													
2013-01-29 Tu																														
2013-01-30 We											*0	ELI2013-000X ILT Operations																		
2013-01-31 Th	ELI2013-000X ILT Operations																													
2013-02-01 Fr	ELI2013-000X 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
- 1 ELO2012-002 Kuniyoshi
- 2 ELO2012-002A Kuniyoshi
- 3 ELO2012-002B Kuniyoshi

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 Transient Buffer Boards

MPIfR Effelsberg LOFAR Station

2013-01-18 through 2013-02-01

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Date	CET																								Code Markers	
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2013-01-18 Fr	ELI2013-000X ILT Operations																									
2013-01-19 Sa	ELI2013-000X ILT Operations																									
2013-01-20 Su	ELI2013-000X ILT Operations																									
2013-01-21 Mo	ELI2013-000X ILT Operations										*0															
2013-01-22 Tu																										
2013-01-23 We										*0	ELI2013-000X ILT Operations															
2013-01-24 Th	ELI2013-000X ILT Operations																									
2013-01-25 Fr	ELI2013-000X ILT Operations																									
2013-01-26 Sa	ELI2013-000X ILT Operations																				*0					
2013-01-27 Su																										
2013-01-28 Mo																										
2013-01-29 Tu																										
2013-01-30 We											*0	ELI2013-000X ILT Operations														
2013-01-31 Th	ELI2013-000X ILT Operations																									
2013-02-01 Fr	ELI2013-000X 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 2013-01-18 through 2013-02-01

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Date	CET																								Code Markers							
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2013-01-19 Sa	ELI2013-000X ILT Operations																															
2013-01-20 Su	ELI2013-000X ILT Operations																															
2013-01-21 Mo	ELI2013-000X ILT Operations									*0	*1	ELG2013-000A Koehler et al.																				
2013-01-22 Tu										*2		ELG2013-000B Koehler et al.																				
2013-01-23 We										*0	ELI2013-000X ILT Operations																					
2013-01-24 Th	ELI2013-000X ILT Operations																															
2013-01-25 Fr	ELI2013-000X ILT Operations																															
2013-01-26 Sa	ELI2013-000X ILT Operations																				*0	*3										
2013-01-27 Su					ELP2012-022C Verbiest				ELO2012-002C Kuniyoshi				ELP2012-022C Verbiest				ELG2013-000C Koehler et al.															
2013-01-28 Mo	ELG2013-000C Koehler et al.																															
2013-01-29 Tu																																
2013-01-30 We										*0	ELI2013-000X ILT Operations																					
2013-01-31 Th	ELI2013-000X ILT Operations																															
2013-02-01 Fr	ELI2013-000X 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								Sunset								6							

Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELO2012-002 Kuniyoshi
- 2 ELO2012-002A Kuniyoshi
- 3 ELO2012-002B Kuniyoshi

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 2013-01-18 through 2013-02-01

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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	
2013-01-18 Fr	ELI2013-000X ILT Operations																								
2013-01-19 Sa	ELI2013-000X ILT Operations																								
2013-01-20 Su	ELI2013-000X ILT Operations																								
2013-01-21 Mo	ELI2013-000X ILT Operations										*0														
2013-01-22 Tu																									
2013-01-23 We										*0	ELI2013-000X ILT Operations														
2013-01-24 Th	ELI2013-000X ILT Operations																								
2013-01-25 Fr	ELI2013-000X ILT Operations																								
2013-01-26 Sa	ELI2013-000X ILT Operations																				*0				
2013-01-27 Su																									
2013-01-28 Mo																									
2013-01-29 Tu																									
2013-01-30 We											*0	ELI2013-000X ILT Operations													
2013-01-31 Th	ELI2013-000X ILT Operations																								
2013-02-01 Fr	ELI2013-000X ILT Operations																								

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

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

2013-01-18 through 2013-02-01

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2013-01-18 Fr	ELI2013-000X ILT Operations																											
2013-01-19 Sa	ELI2013-000X ILT Operations																											
2013-01-20 Su	ELI2013-000X ILT Operations																											
2013-01-21 Mo	ELI2013-000X ILT Operations										*0																	
2013-01-22 Tu																												
2013-01-23 We										*0	ELI2013-000X ILT Operations																	
2013-01-24 Th	ELI2013-000X ILT Operations																											
2013-01-25 Fr	ELI2013-000X ILT Operations																											
2013-01-26 Sa	ELI2013-000X ILT Operations																				*0							
2013-01-27 Su																												
2013-01-28 Mo																												
2013-01-29 Tu																												
2013-01-30 We											*0	ELI2013-000X ILT Operations																
2013-01-31 Th	ELI2013-000X ILT Operations																											
2013-02-01 Fr	ELI2013-000X 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 Station Interferometer MPIfR Effelsberg LOFAR Station 2013-01-18 through 2013-02-01

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	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
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2013-01-19 Sa	ELI2013-000X ILT Operations																									
2013-01-20 Su	ELI2013-000X ILT Operations																									
2013-01-21 Mo	ELI2013-000X ILT Operations										*0															
2013-01-22 Tu																										
2013-01-23 We									*0	ELI2013-000X ILT Operations																
2013-01-24 Th	ELI2013-000X ILT Operations																									
2013-01-25 Fr	ELI2013-000X ILT Operations																									
2013-01-26 Sa	ELI2013-000X ILT Operations																				*0					
2013-01-27 Su																										
2013-01-28 Mo																										
2013-01-29 Tu																										
2013-01-30 We											*0	ELI2013-000X ILT Operations														
2013-01-31 Th	ELI2013-000X ILT Operations																									
2013-02-01 Fr	ELI2013-000X 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

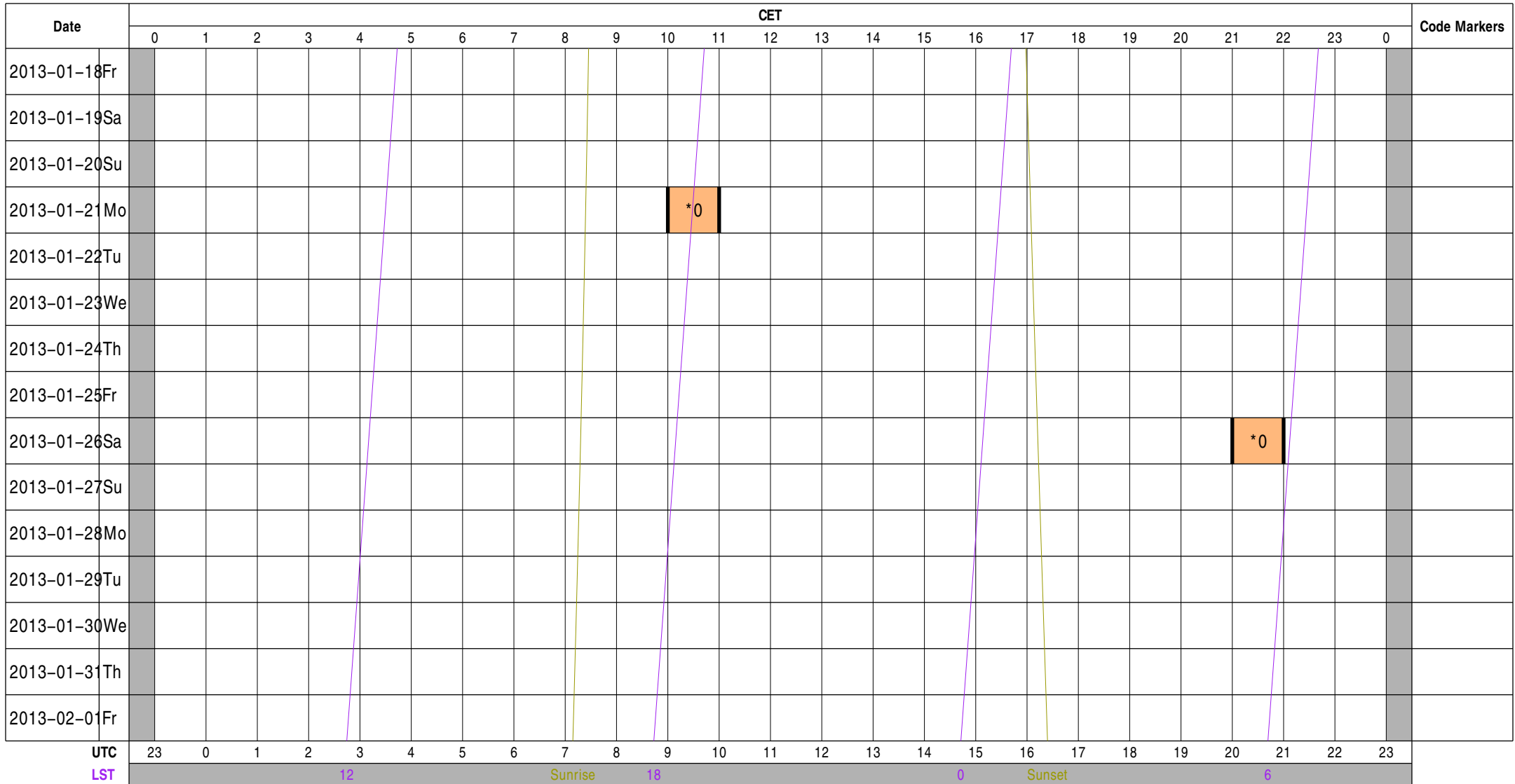
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for lofar1 Computer

MPIfR Effelsberg LOFAR Station

2013-01-18 through 2013-02-01

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

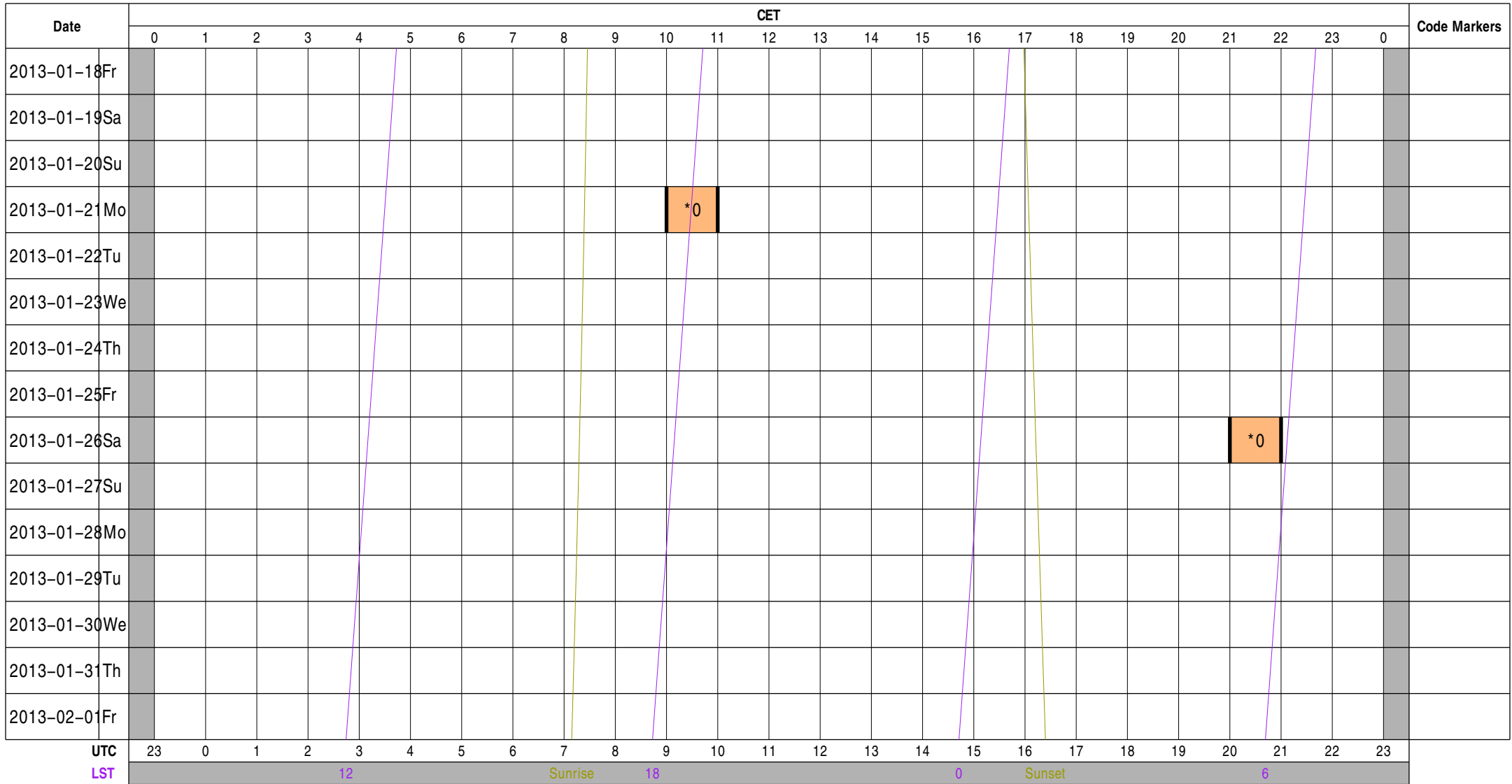
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for lofar2 Computer

MPIfR Effelsberg LOFAR Station

2013-01-18 through 2013-02-01

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

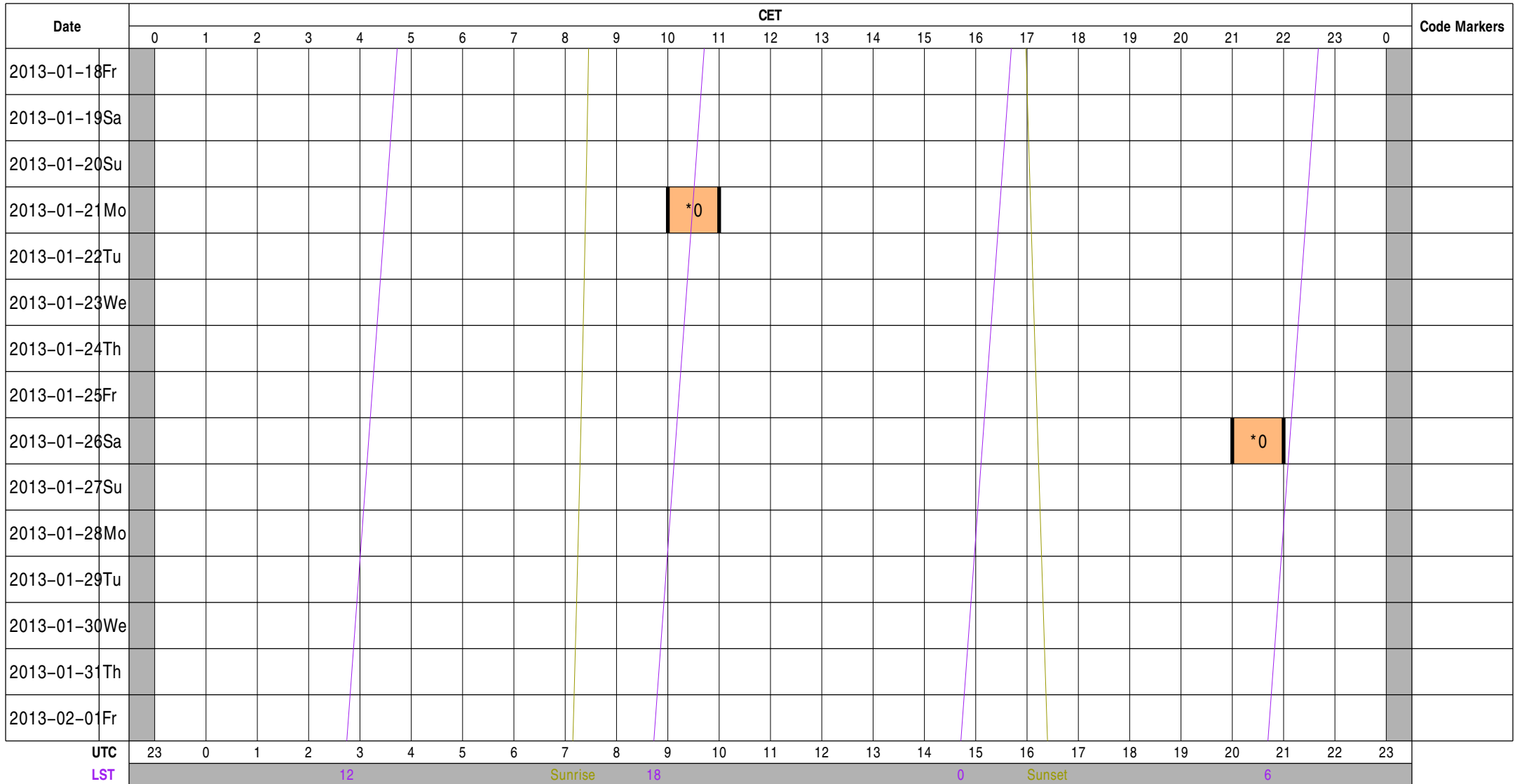
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for lofar3 Computer

MPIfR Effelsberg LOFAR Station

2013-01-18 through 2013-02-01

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

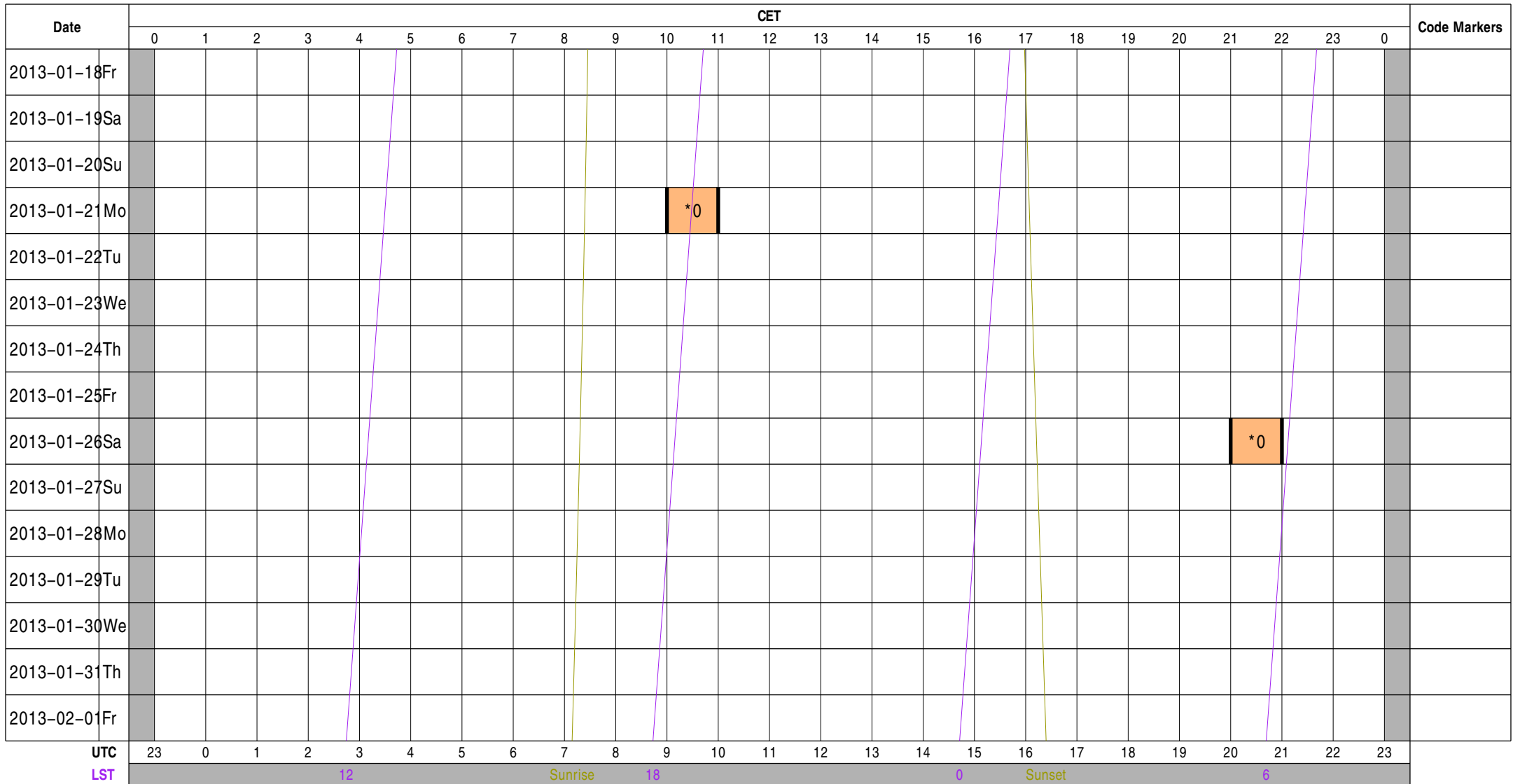
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|---------------------------|--------------------------|------------------|---------------------------|
| Science A (Astrometry) | Science N (AGN) | Test Observation | Juelich Mode |
| Science C (Cosmology) | Science O (Other) | Maintenance Mode | 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 lofar4 Computer

MPIfR Effelsberg LOFAR Station

2013-01-18 through 2013-02-01

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

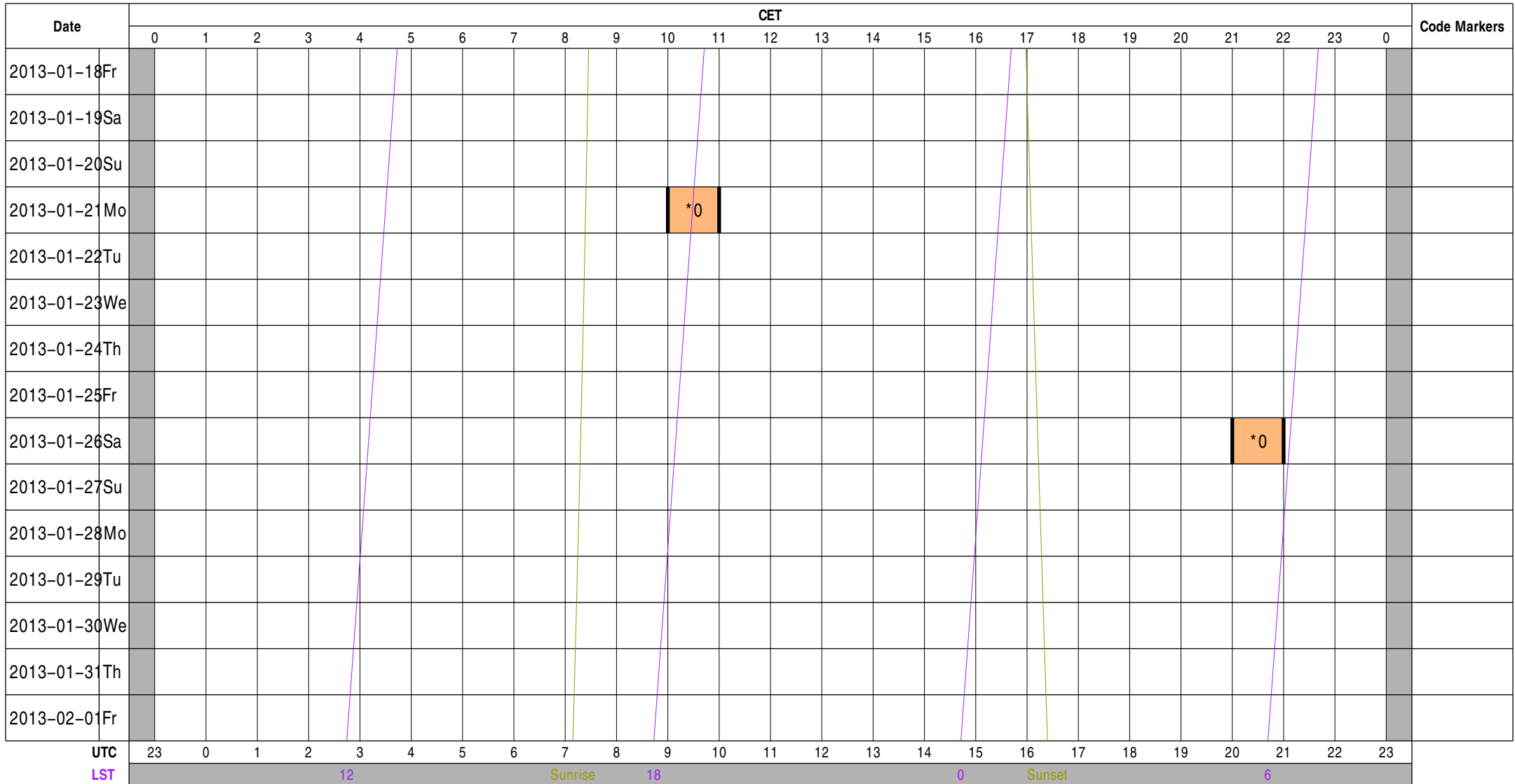
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for Iofar1a Pulsar Computer

MPIfR Effelsberg LOFAR Station

2013-01-18 through 2013-02-01

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

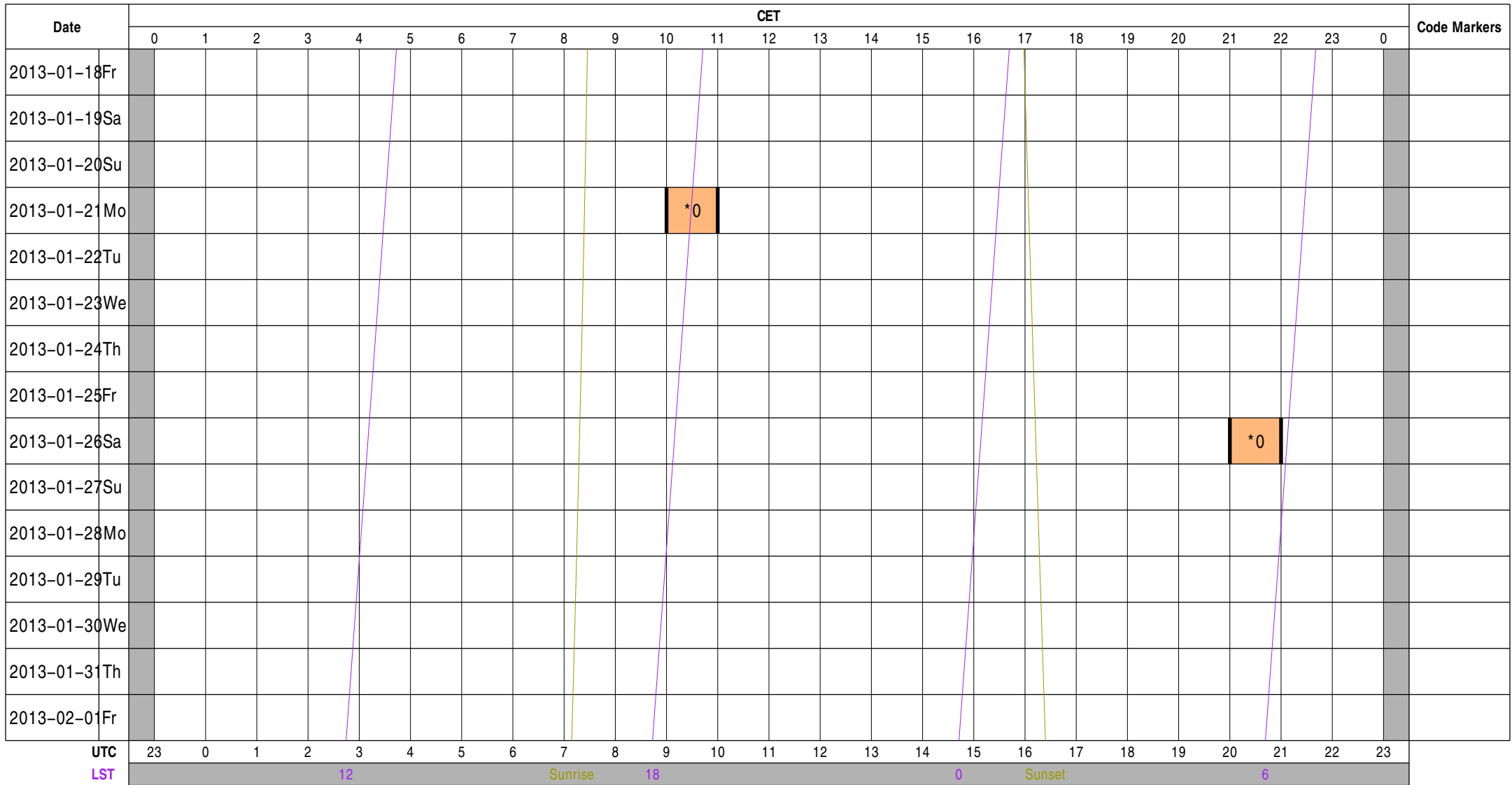
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for Iofar2a Pulsar Computer

MPIfR Effelsberg LOFAR Station

2013-01-18 through 2013-02-01

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

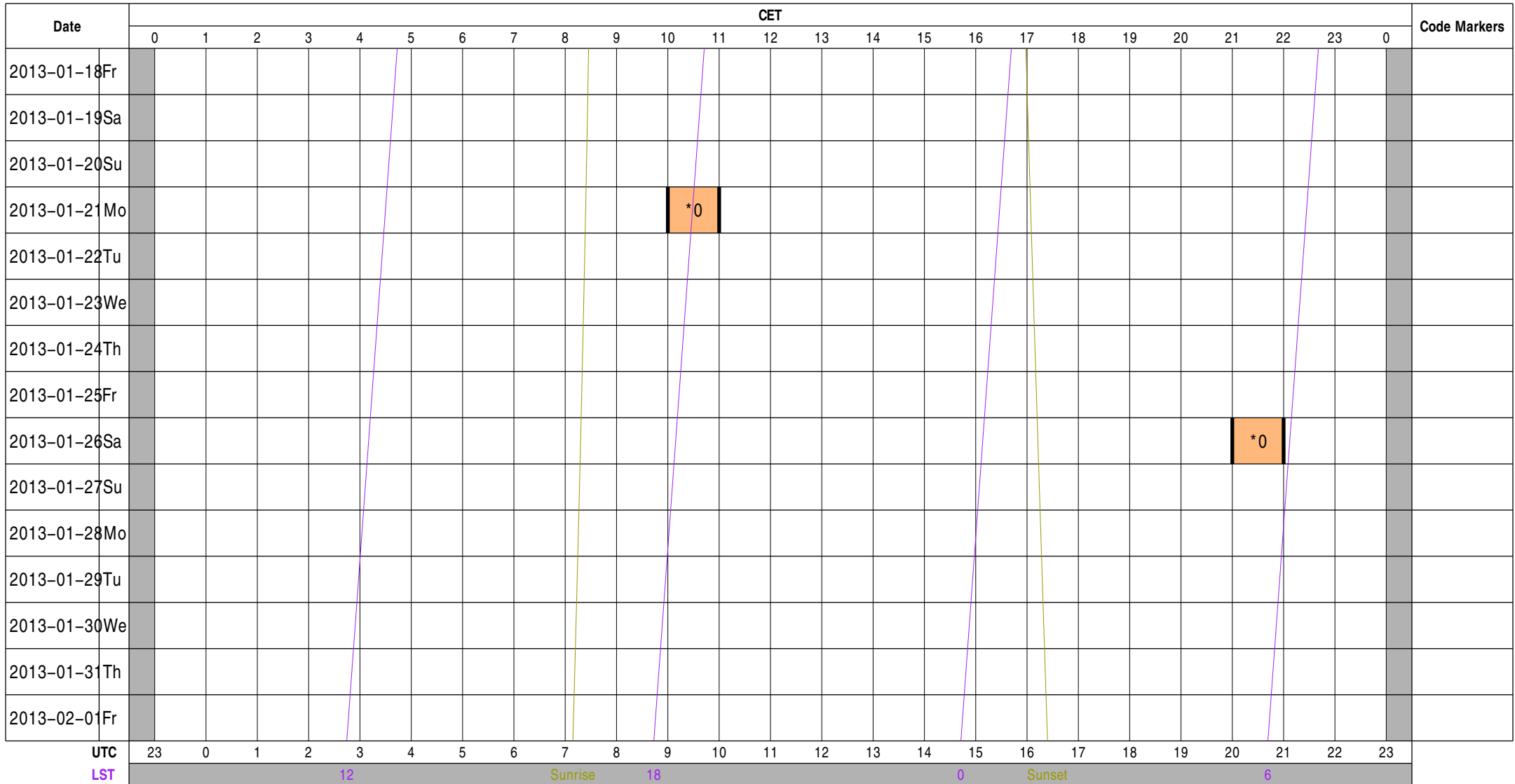
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for Iofar3a Pulsar Computer

MPIfR Effelsberg LOFAR Station

2013-01-18 through 2013-02-01

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

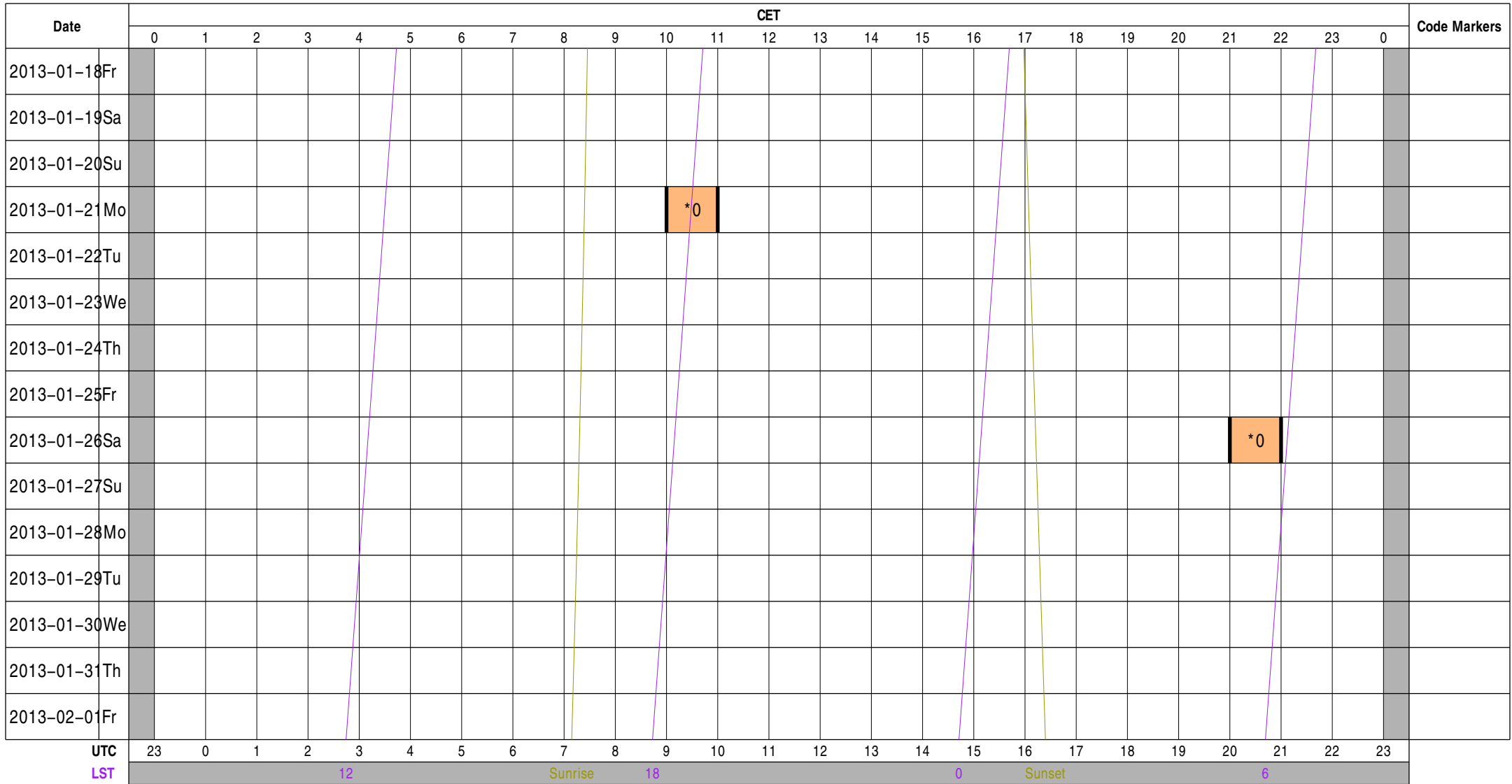
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for Iofar4a Pulsar Computer

MPIfR Effelsberg LOFAR Station

2013-01-18 through 2013-02-01

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

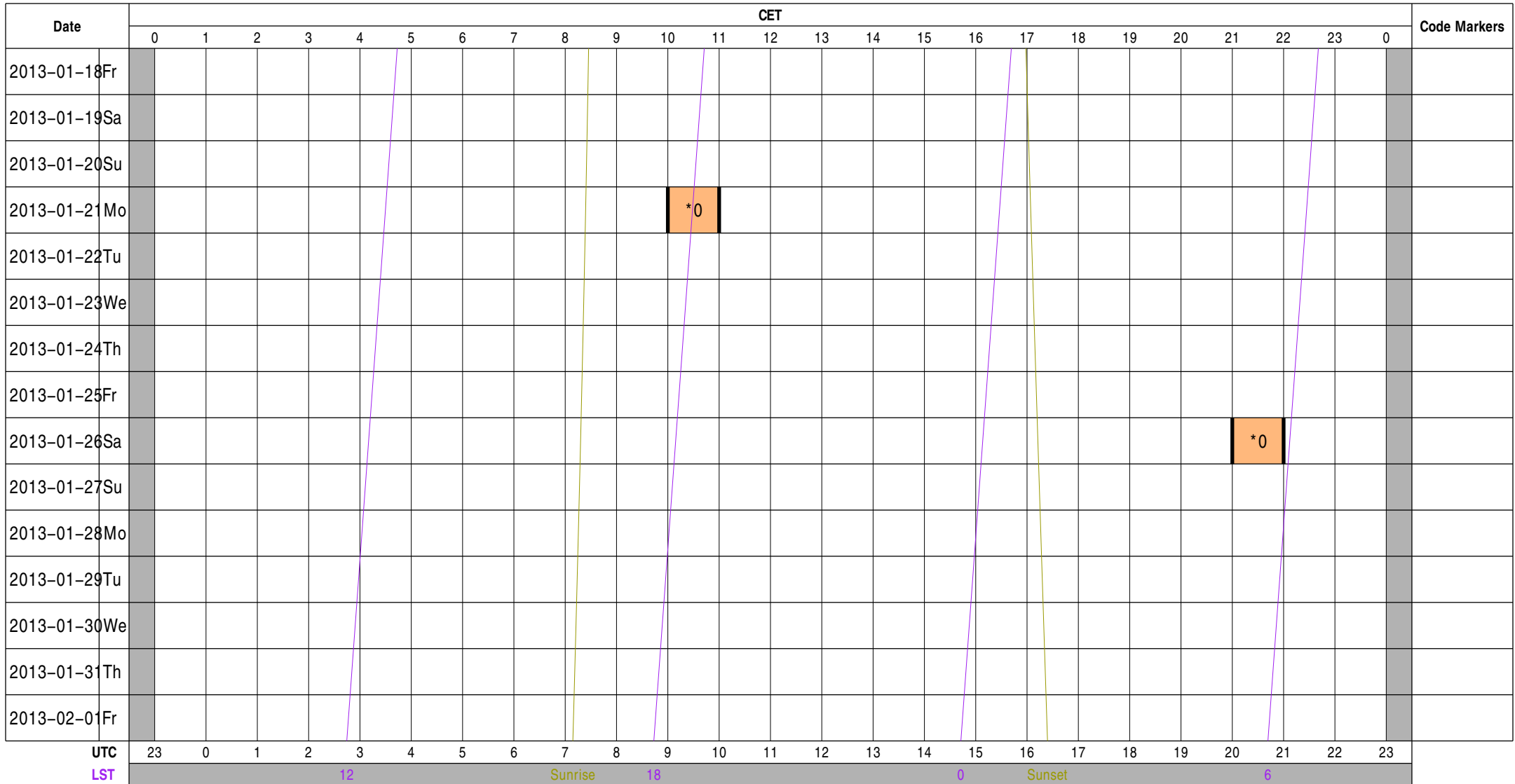
- | | | | |
|---------------------------|--------------------------|------------------|---------------------------|
| Science A (Astrometry) | Science N (AGN) | Test Observation | Juelich Mode |
| Science C (Cosmology) | Science O (Other) | Maintenance Mode | Piggyback Control |
| Science E (Extragalactic) | 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

2013-01-18 through 2013-02-01

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Normal Experiment Code Markers

0 ELM2013-012 Kuniyoshi, Horneff

Other Code Markers

Color Meanings

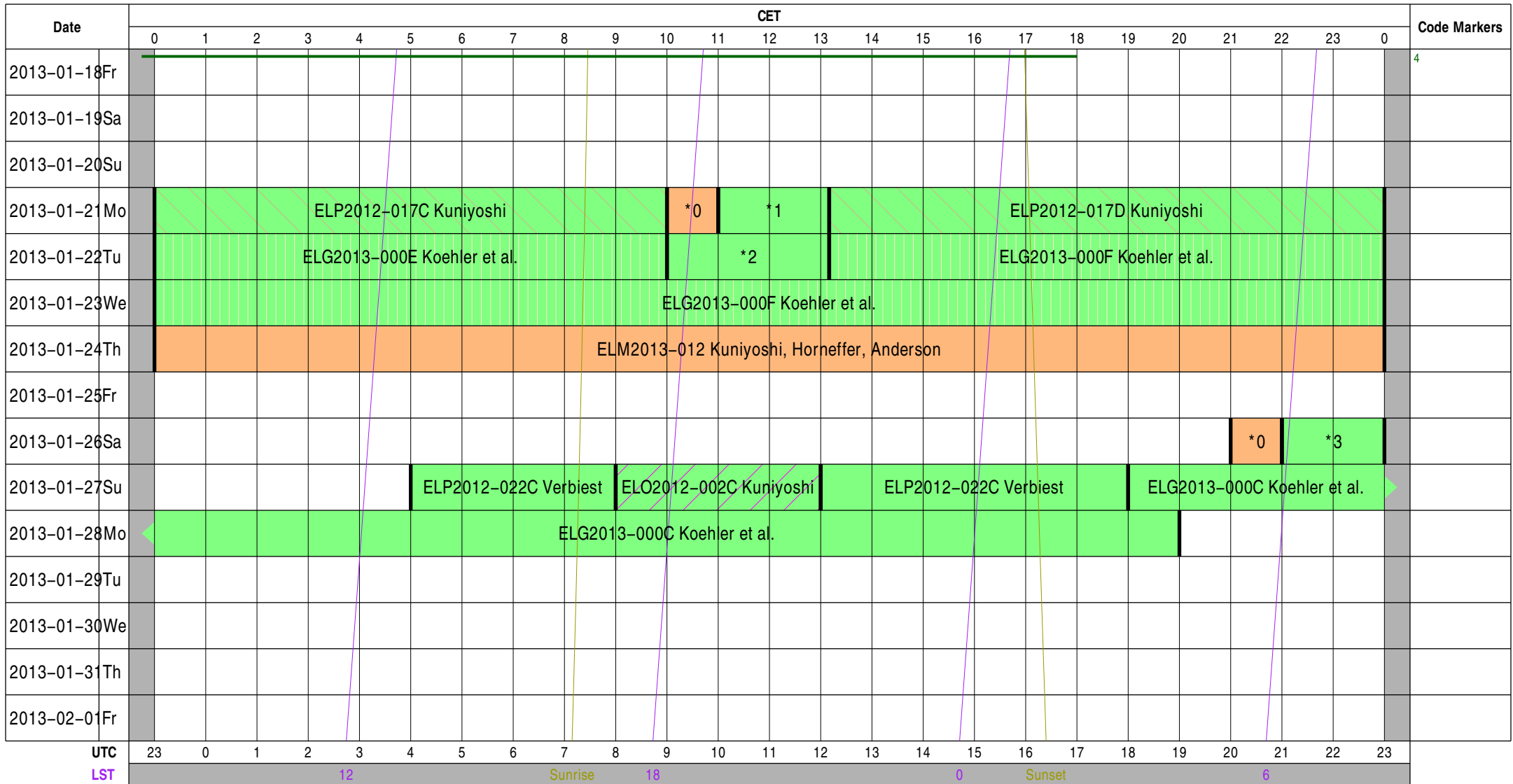
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for IofarAN Computers

MPIfR Effelsberg LOFAR Station

2013-01-18 through 2013-02-01

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Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELO2012-002 Kuniyoshi
- 2 ELO2012-002A Kuniyoshi
- 3 ELO2012-002B Kuniyoshi

Other Code Markers

- 4 ELP2012-017 Kuniyoshi

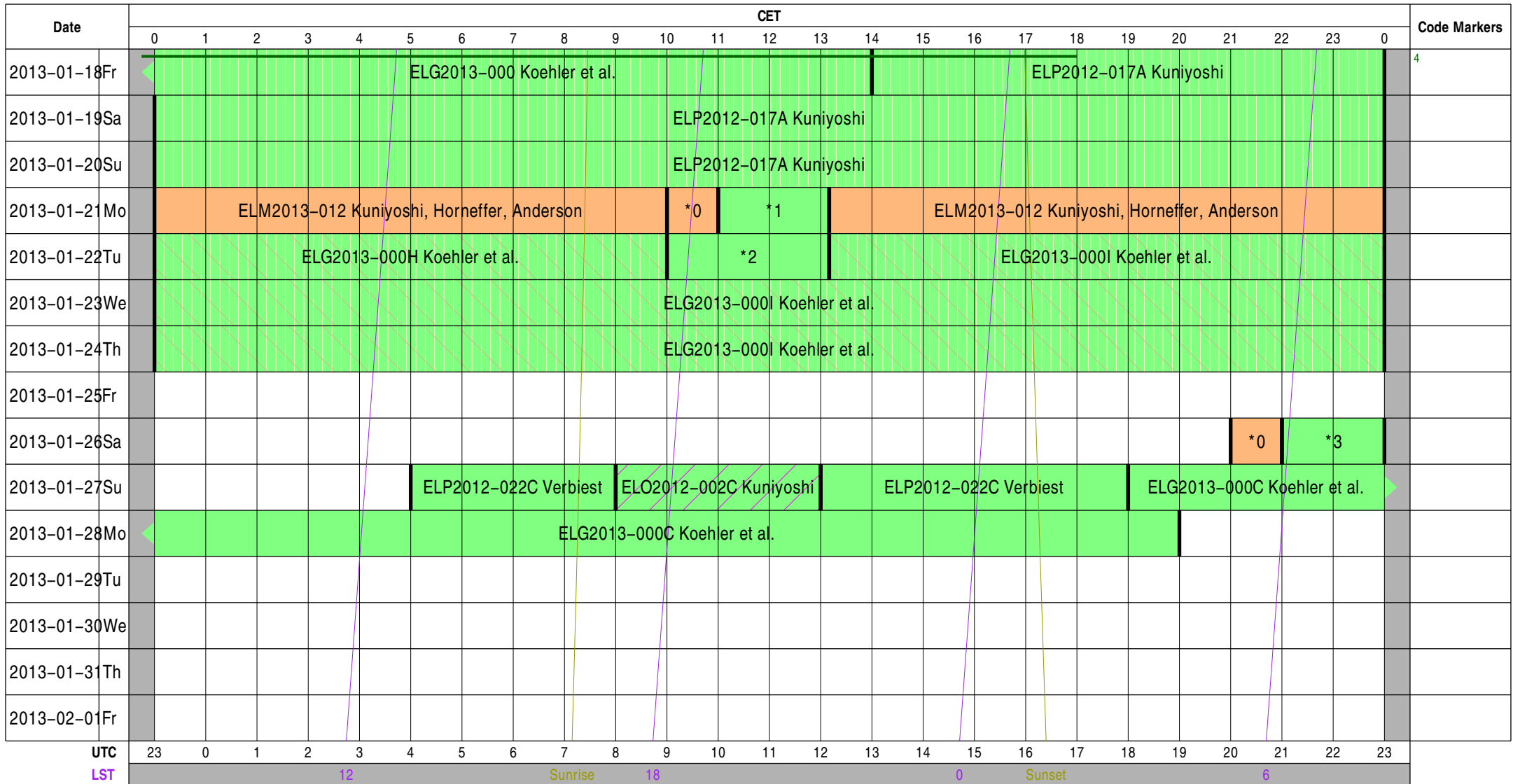
Color Meanings

- | | | | |
|---------------------------|--------------------------|------------------|---------------------------|
| 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 IofarBN Computers

MPIfR Effelsberg LOFAR Station

2013-01-18 through 2013-02-01



Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELO2012-002 Kuniyoshi
- 2 ELO2012-002A Kuniyoshi
- 3 ELO2012-002B Kuniyoshi

Other Code Markers

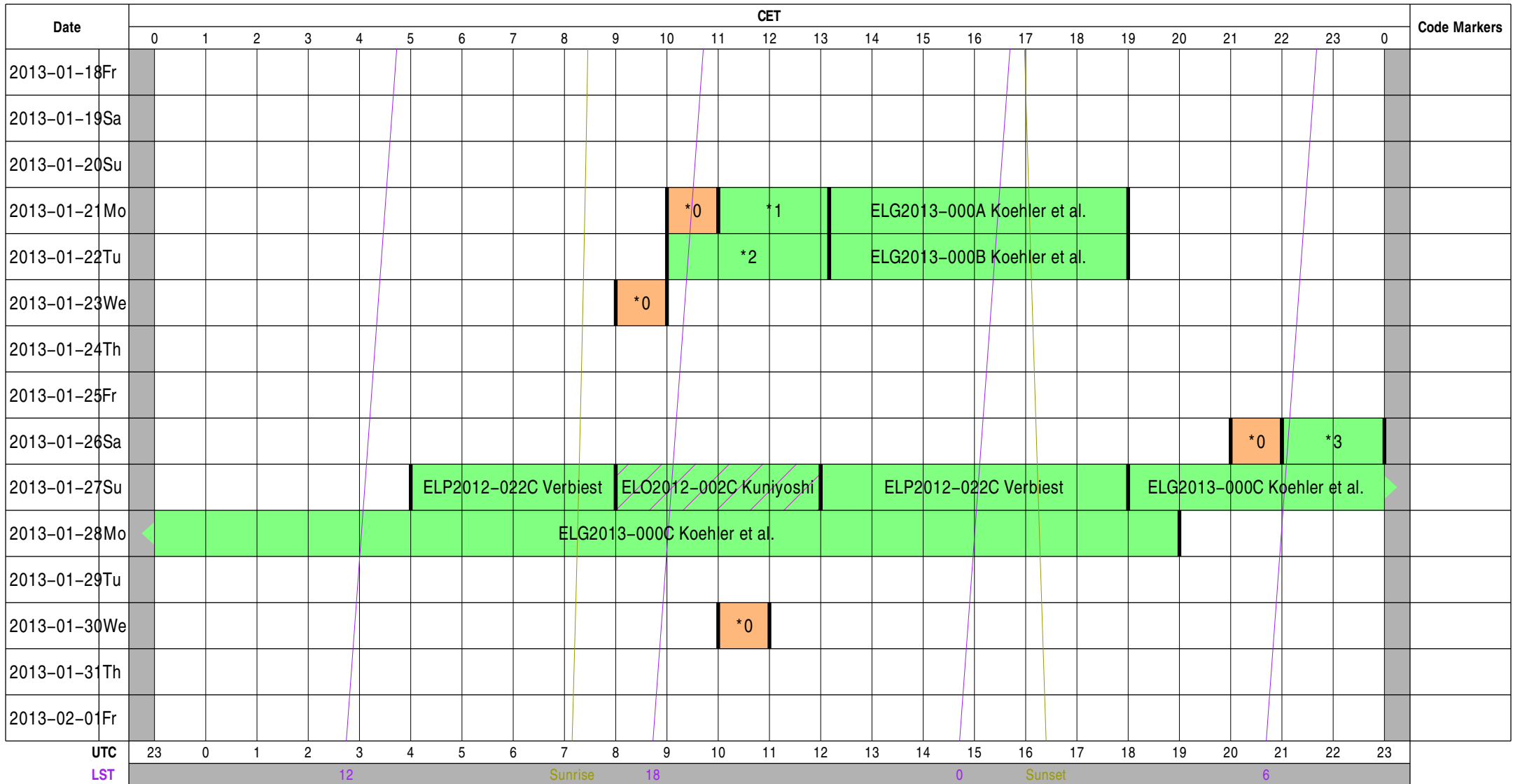
- 4 ELP2012-017 Kuniyoshi

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 lofarx Computer MPIfR Effelsberg LOFAR Station 2013-01-18 through 2013-02-01

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Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELO2012-002 Kuniyoshi
- 2 ELO2012-002A Kuniyoshi
- 3 ELO2012-002B Kuniyoshi

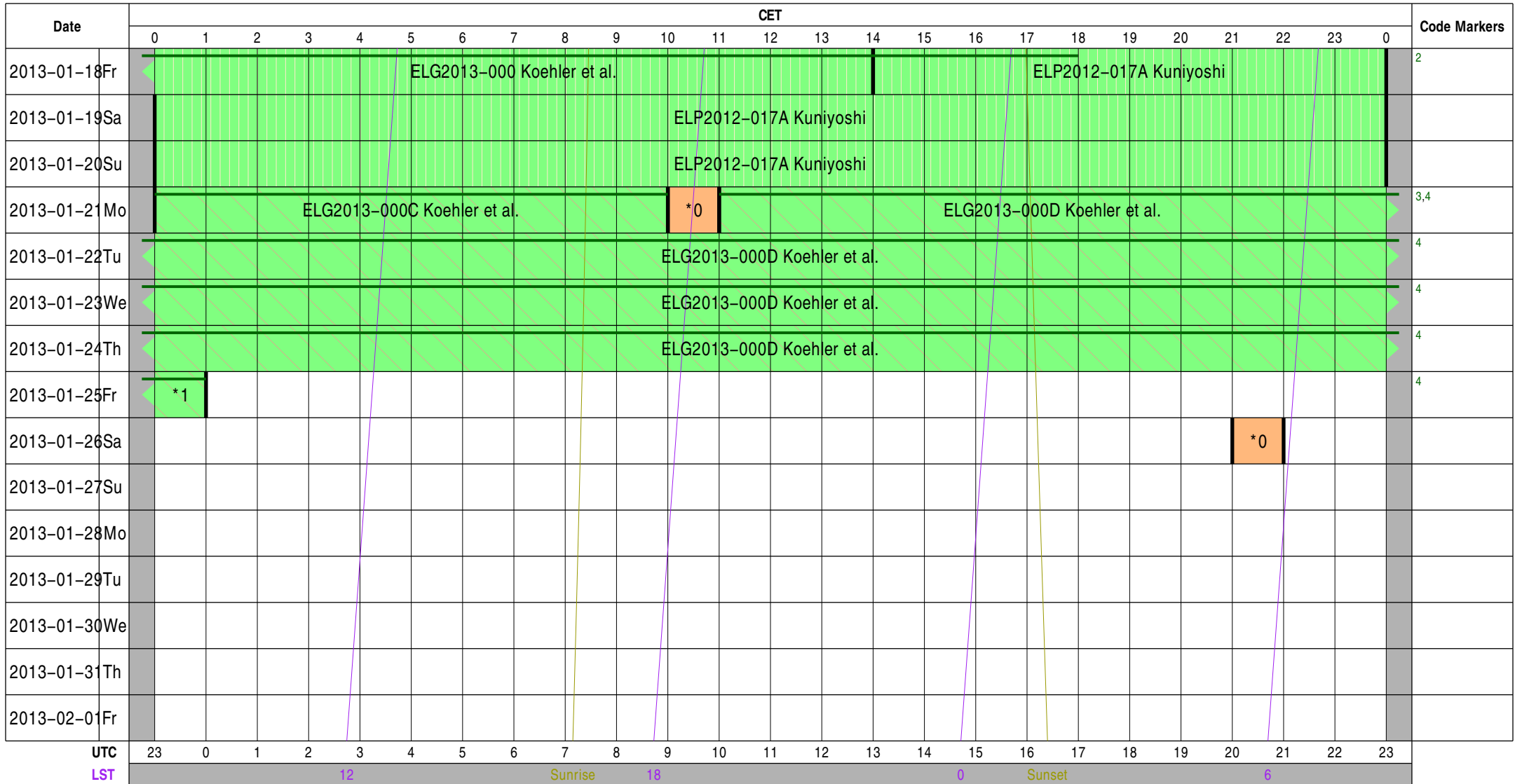
Other Code Markers

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 Iofarsrv Computer MPIfR Effelsberg LOFAR Station 2013-01-18 through 2013-02-01

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Normal Experiment Code Markers

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

Other Code Markers

- 2 ELP2012-017 Kuniyoshi
- 3 ELP2012-017B Kuniyoshi
- 4 ELP2012-017C Kuniyoshi

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 Fiber Connection

MPIfR Effelsberg LOFAR Station

2013-01-18 through 2013-02-01

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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
2013-01-18 Fr	ELI2013-000X ILT Operations																									
2013-01-19 Sa	ELI2013-000X ILT Operations																									
2013-01-20 Su	ELI2013-000X ILT Operations																									
2013-01-21 Mo	ELI2013-000X ILT Operations										*0															
2013-01-22 Tu																										
2013-01-23 We										*0	ELI2013-000X ILT Operations															
2013-01-24 Th	ELI2013-000X ILT Operations																									
2013-01-25 Fr	ELI2013-000X ILT Operations																									
2013-01-26 Sa	ELI2013-000X ILT Operations																								*0	
2013-01-27 Su																										
2013-01-28 Mo																										
2013-01-29 Tu																										
2013-01-30 We											*0	ELI2013-000X ILT Operations														
2013-01-31 Th	ELI2013-000X ILT Operations																									
2013-02-01 Fr	ELI2013-000X 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

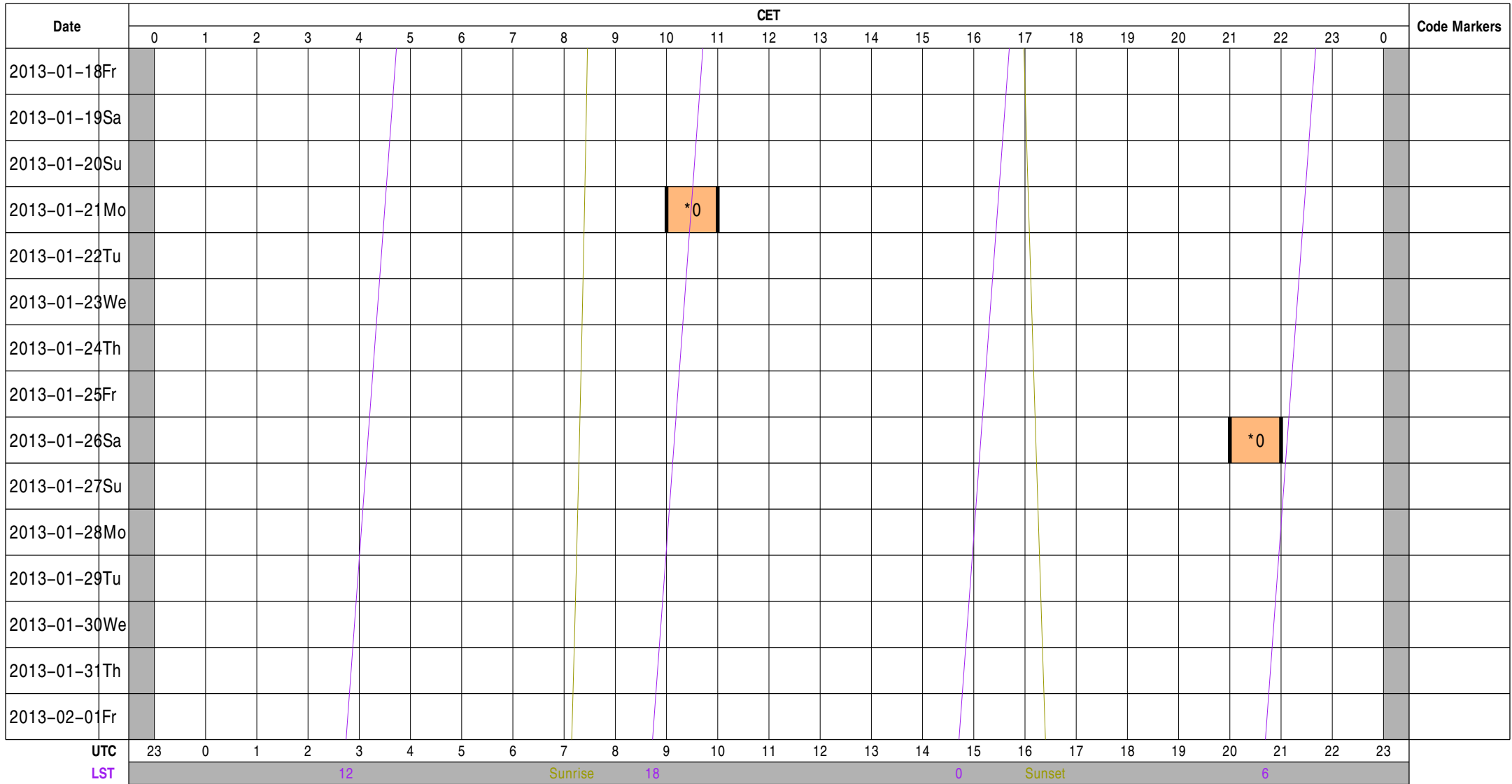
Science A (Astrometry)	Science N (AGN)	Test Observation	Juelich Mode
Science C (Cosmology)	Science O (Other)	Maintenance Mode	Piggyback Control
Science E (Extragalactic)	Science P (Pulsar)	ILT Mode	Piggyback Without Control
Science G (Galactic)	Science R (Cosmic Rays)	Effelsberg Mode	Experiment Warning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

Observing Plan for LOFAR Bonn--EF Fiber Connection

MPIfR Effelsberg LOFAR Station

2013-01-18 through 2013-02-01

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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

2013-01-18 through 2013-02-01

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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	
2013-01-18Fr	ELD2013-002 Kuniyoshi																								
2013-01-19Sa	ELD2013-002 Kuniyoshi																								
2013-01-20Su	ELD2013-002 Kuniyoshi																								
2013-01-21Mo	ELD2013-002 Kuniyoshi																								
2013-01-22Tu	ELD2013-002 Kuniyoshi																								
2013-01-23We	ELD2013-002 Kuniyoshi																								
2013-01-24Th	ELD2013-002 Kuniyoshi																								
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																								

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@mpi-fr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000	Koehler et al.	jana@mpi-fr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000	Koehler et al.	jana@mpi-fr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000	Koehler et al.	jana@mpi-fr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000	Koehler et al.	jana@mpi-fr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000	Koehler et al.	jana@mpi-fr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000	Koehler et al.	jana@mpi-fr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000	Koehler et al.	jana@mpi-fr-bonn.mpg.de	+49 228 525 533	LC0_044 Studying large-scale polarization properties of the
ELG2013-000	Koehler et al.	jana@mpi-fr-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
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpi-fr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIFR time)
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpi-fr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIFR time)
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpi-fr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIFR time)
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpi-fr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIFR time)
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpi-fr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIFR time)
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpi-fr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIFR time)
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpi-fr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIFR time)
ELO2012-002	Kuniyoshi	mkuniyos@mpi-fr-bonn.mpg.de	+49 228 525 505	education use of station
ELO2012-002	Kuniyoshi	mkuniyos@mpi-fr-bonn.mpg.de	+49 228 525 505	education use of station
ELO2012-002	Kuniyoshi	mkuniyos@mpi-fr-bonn.mpg.de	+49 228 525 505	education use of station
ELO2012-002	Kuniyoshi	mkuniyos@mpi-fr-bonn.mpg.de	+49 228 525 505	education use of station
ELP2012-017	Kuniyoshi	mkuniyos@mpi-fr-bonn.mpg.de	+49 228 525 505	testing DJLump
ELP2012-017	Kuniyoshi	mkuniyos@mpi-fr-bonn.mpg.de	+49 228 525 505	testing DJLump
ELP2012-017	Kuniyoshi	mkuniyos@mpi-fr-bonn.mpg.de	+49 228 525 505	testing DJLump
ELP2012-017	Kuniyoshi	mkuniyos@mpi-fr-bonn.mpg.de	+49 228 525 505	testing DJLump
ELP2012-022	Verbiest	verbiest@mpi-fr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022	Verbiest	verbiest@mpi-fr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022	Verbiest	verbiest@mpi-fr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars

Experiment Information for Other Actions

ELP2012-017	Kuniyoshi	mkuniyos@mpifr-bonn.mpg.de	+49 228 525 505	testing DJLump
ELP2012-017	Kuniyoshi	mkuniyos@mpifr-bonn.mpg.de	+49 228 525 505	testing DJLump
ELP2012-017	Kuniyoshi	mkuniyos@mpifr-bonn.mpg.de	+49 228 525 505	testing DJLump
ELP2012-017	Kuniyoshi	mkuniyos@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	36.67		36.67													69.83	107.83	36.67	110.00		
ELG2013-000																	14.00		14.00		
ELG2013-000 A	5.83		5.83															5.83			
ELG2013-000 B	5.83		5.83															5.83			
ELG2013-000 C																				10.00	
ELG2013-000 C	25.00		25.00													25.00	25.00	25.00			
ELG2013-000 D																				86.00	
ELG2013-000 E																10.00					
ELG2013-000 F																34.83					
ELG2013-000 H																	10.00				
ELG2013-000 I																	58.83				
ELI2013-000	225.00	225.00	225.00	225.00	225.00	225.00															225.00
ELI2013-000 X	82.00	82.00	82.00	82.00	82.00	82.00															82.00
ELI2013-000 X	83.00	83.00	83.00	83.00	83.00	83.00															83.00
ELI2013-000 X	60.00	60.00	60.00	60.00	60.00	60.00															60.00
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	26.00	22.83	4.00	2.00	4.00	2.00
ELM2013-012																	10.00				
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																24.00					
ELM2013-012																	10.83				
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	
ELO2012-002	11.33		11.33													11.33	11.33	11.33			
ELO2012-002	2.17		2.17													2.17	2.17	2.17			
ELO2012-002 A	3.17		3.17													3.17	3.17	3.17			
ELO2012-002 B	2.00		2.00													2.00	2.00	2.00			
ELO2012-002 C	4.00		4.00													4.00	4.00	4.00			
ELP2012-017																20.83	58.00			58.00	
ELP2012-017 A																	58.00			58.00	
ELP2012-017 C																10.00					
ELP2012-017 D																10.83					
ELP2012-022	10.00		10.00													10.00	10.00	10.00			
ELP2012-022 C	4.00		4.00													4.00	4.00	4.00			
ELP2012-022 C	6.00		6.00													6.00	6.00	6.00			

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																18.00	18.00		114.00		
ELP2012-017																18.00	18.00		18.00		
ELP2012-017 B																			10.00		
ELP2012-017 C																			86.00		

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)	36.67		36.67													69.83	107.83	36.67	110.00			
Science H (Ionosphere)																						
Science N (AGN)																						
Science O (Other)	11.33		11.33													11.33	11.33	11.33				
Science P (Pulsar)	10.00		10.00													30.83	68.00	10.00	58.00			
Science R (Cosmic Rays)																						
Science S (Solar System)																						
Test Observation																						
Maintenance Mode	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	26.00	22.83	4.00	2.00	4.00	2.00	
ILT Mode	225.00	225.00	225.00	225.00	225.00	225.00														225.00		
Effelsberg Mode																						
GLOW Mode																						
Juelich Mode																						
Unknown Code																						
Idle	73.00	131.00	73.00	131.00	131.00	131.00	358.00	358.00	358.00	358.00	358.00	358.00	358.00	358.00	358.00	222.00	150.00	298.00	190.00	131.00	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	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	342.00	342.00	360.00	246.00	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	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	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)	10.19		10.19													19.40	29.95	10.19	30.56		
Science H (Ionosphere)																					
Science N (AGN)																					
Science O (Other)	3.15		3.15													3.15	3.15	3.15			
Science P (Pulsar)	2.78		2.78													8.56	18.89	2.78	16.11		
Science R (Cosmic Rays)																					
Science S (Solar System)																					
Test Observation																					
Maintenance Mode	1.11	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	7.22	6.34	1.11	0.56	1.11	0.56
ILT Mode	62.50	62.50	62.50	62.50	62.50	62.50														62.50	
Effelsberg Mode																					
GLOW Mode																					
Juelich Mode																					
Unknown Code																					
Idle	20.28	36.39	20.28	36.39	36.39	36.39	99.44	99.44	99.44	99.44	99.44	99.44	99.44	99.44	99.44	61.67	41.67	82.78	52.78	36.39	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	95.00	95.00	100.00	68.33	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																					