

Observing Plan for Station Control (LCU)

MPIfR Effelsberg LOFAR Station

2013-08-06 through 2013-08-14

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			
2013-08-06 Tu	ELG2013-000U Koehler et al.										ELP2012-022AK Verbiest																		
2013-08-07 We	ELP2012-022AK Verbiest										*0	ELI2013-000 ILT Operations																	
2013-08-08 Th											ELI2013-000 ILT Operations																		
2013-08-09 Fr	ELI2013-000 ILT Operations										*0	*1	*2	*0	ELI2013-000 ILT Operations														
2013-08-10 Sa											ELI2013-000 ILT Operations																		
2013-08-11 Su											ELI2013-000 ILT Operations																		
2013-08-12 Mo	ELI2013-000 ILT Operations										*0	ELP2012-022AL Verbiest																	
2013-08-13 Tu											ELP2012-022AL Verbiest																		
2013-08-14 We	ELP2012-022AL Verbiest										*0	ELI2013-000 ILT Operations																	
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 ELT2012-005E Anderson
- 2 ELP2012-022AL Verbiest

Other Code Markers

Color Meanings

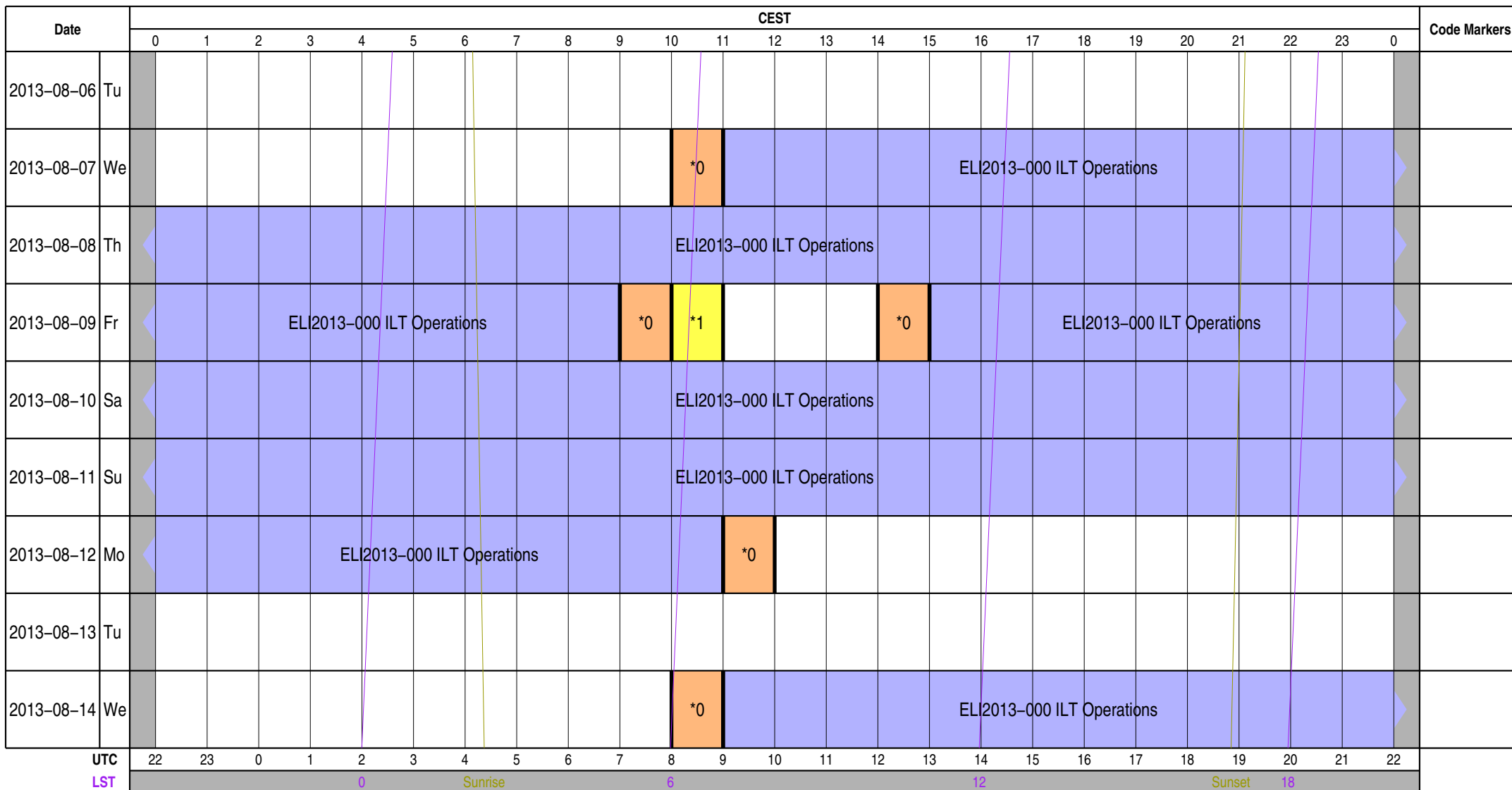
- | | | |
|---------------------------|--------------------------|-------------------|
| Science A (Astrometry) | Science O (Other) | ILT Mode |
| Science C (Cosmology) | Science P (Pulsar) | Effelsberg Mode |
| Science E (Extragalactic) | Science R (Cosmic Rays) | GLOW Mode |
| Science G (Galactic) | Science S (Solar System) | Juelich Mode |
| Science H (Ionosphere) | Test Observation | Station Failure |
| Science N (AGN) | Maintenance Mode | Piggyback Control |

- Piggyback Without Control
- Experiment Warning
- Override Possible

Observing Plan for Transient Buffer Boards

MPIfR Effelsberg LOFAR Station

2013-08-06 through 2013-08-14



Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELT2012-005E 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 2013-08-06 through 2013-08-14

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		
2013-08-06	Tu	ELG2013-000U Koehler et al.										ELP2012-022AK Verbiest																	
2013-08-07	We	ELP2012-022AK Verbiest										*0	ELI2013-000 ILT Operations																
2013-08-08	Th											ELI2013-000 ILT Operations																	
2013-08-09	Fr	ELI2013-000 ILT Operations										*0	*1	*2	*0	ELI2013-000 ILT Operations													
2013-08-10	Sa											ELI2013-000 ILT Operations																	
2013-08-11	Su											ELI2013-000 ILT Operations																	
2013-08-12	Mo	ELI2013-000 ILT Operations										*0	ELP2012-022AL Verbiest																
2013-08-13	Tu											ELP2012-022AL Verbiest																	
2013-08-14	We	ELP2012-022AL Verbiest										*0	ELI2013-000 ILT Operations																
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 ELT2012-005E Anderson
- 2 ELP2012-022AL Verbiest

Other Code Markers

Color Meanings

- | | | |
|---------------------------|--------------------------|-------------------|
| Science A (Astrometry) | Science O (Other) | ILT Mode |
| Science C (Cosmology) | Science P (Pulsar) | Effelsberg Mode |
| Science E (Extragalactic) | Science R (Cosmic Rays) | GLOW Mode |
| Science G (Galactic) | Science S (Solar System) | Juelich Mode |
| Science H (Ionosphere) | Test Observation | Station Failure |
| Science N (AGN) | Maintenance Mode | Piggyback Control |

- Piggyback Without Control
- Experiment Warning
- Override Possible

Observing Plan for Low Band High (LBA) MPIfR Effelsberg LOFAR Station 2013-08-06 through 2013-08-14

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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			
2013-08-06 Tu																													
2013-08-07 We											*0		ELI2013-000 ILT Operations																
2013-08-08 Th												ELI2013-000 ILT Operations																	
2013-08-09 Fr			ELI2013-000 ILT Operations								*0	*1				*0		ELI2013-000 ILT Operations											
2013-08-10 Sa												ELI2013-000 ILT Operations																	
2013-08-11 Su												ELI2013-000 ILT Operations																	
2013-08-12 Mo			ELI2013-000 ILT Operations									*0																	
2013-08-13 Tu																													
2013-08-14 We											*0		ELI2013-000 ILT Operations																
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 ELT2012-005E Anderson

Other Code Markers

Color Meanings

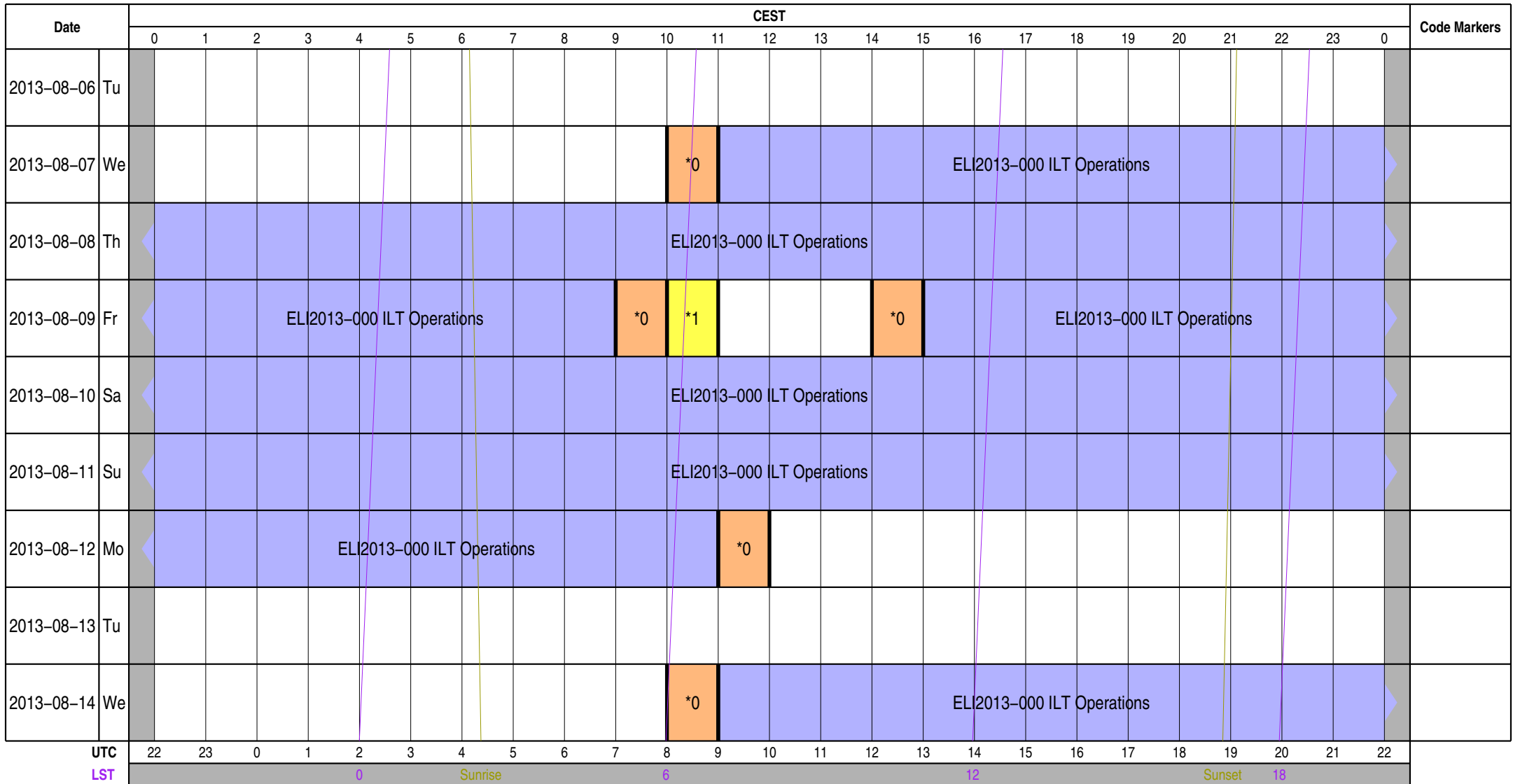
- | | | | |
|---------------------------|--------------------------|-------------------|---------------------------|
| Science A (Astrometry) | Science O (Other) | ILT Mode | Piggyback Without Control |
| Science C (Cosmology) | Science P (Pulsar) | Effelsberg Mode | Experiment Warning |
| Science E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

2013-08-06 through 2013-08-14

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Normal Experiment Code Markers

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

Other Code Markers

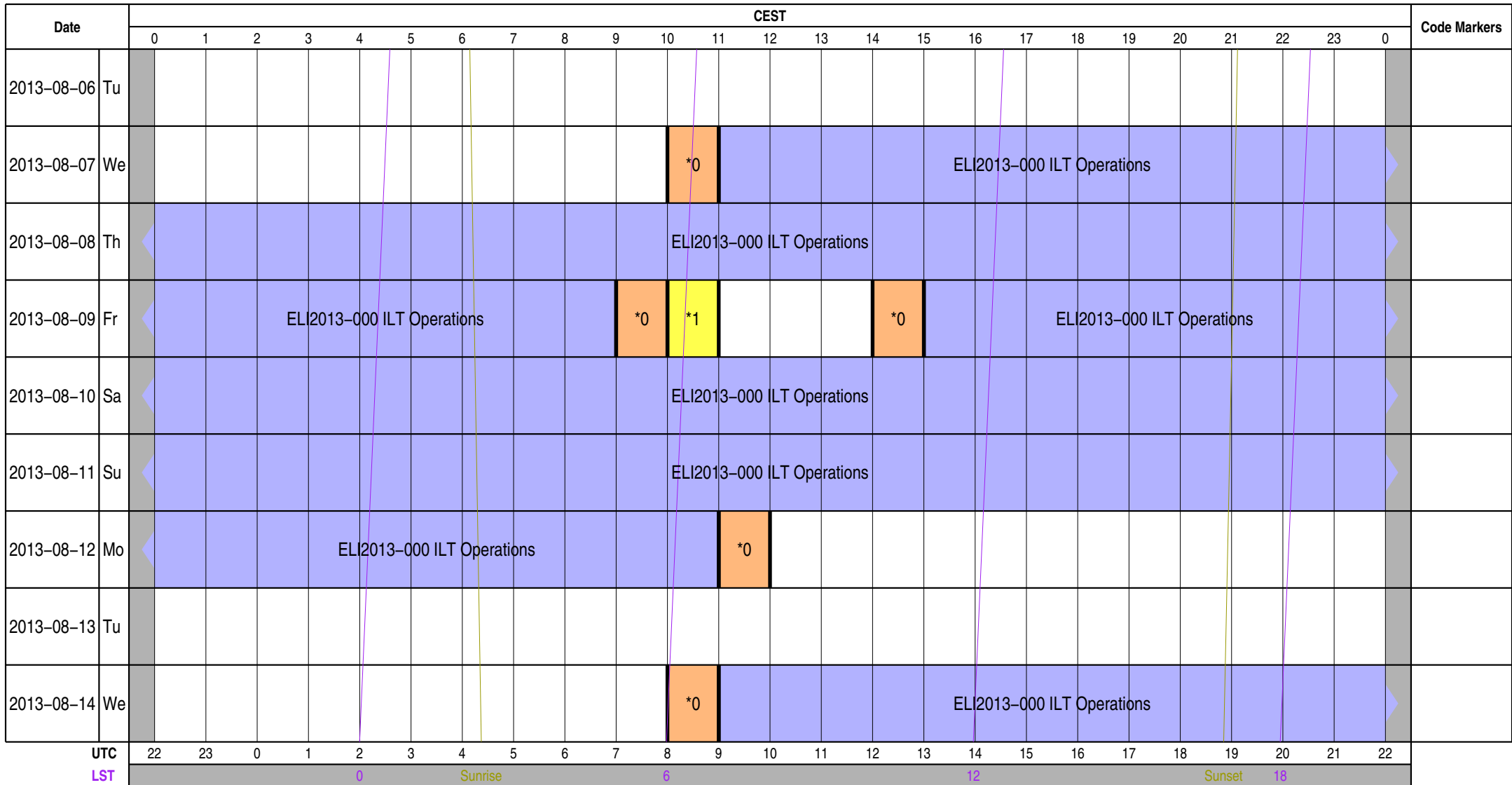
Color Meanings

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

2013-08-06 through 2013-08-14



Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELT2012-005E 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

2013-08-06 through 2013-08-14

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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	
2013-08-06	Tu	ELG2013-000U Koehler et al.																										
2013-08-07	We												ELG2013-000U Koehler et al.															
2013-08-08	Th	ELG2013-000U Koehler et al.																										
2013-08-09	Fr	ELG2013-000U Koehler et al.							*0	*1																		
2013-08-10	Sa																											
2013-08-11	Su																											
2013-08-12	Mo										*0																	
2013-08-13	Tu																											
2013-08-14	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 ELT2012-005E 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

2013-08-06 through 2013-08-14

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		
2013-08-06 Tu	ELG2013-000U Koehler et al.										ELP2012-022AK Verbiest																	
2013-08-07 We	ELP2012-022AK Verbiest										ELG2013-000U Koehler et al.																	
2013-08-08 Th											ELG2013-000U Koehler et al.																	
2013-08-09 Fr	ELG2013-000U Koehler et al.										*0	*1	*2	ELP2013-004U Kuniyoshi & Takefuji														
2013-08-10 Sa											ELP2013-004U Kuniyoshi & Takefuji																	
2013-08-11 Su											ELP2013-004U Kuniyoshi & Takefuji																	
2013-08-12 Mo	ELP2013-004U Kuniyoshi & Takefuji										*0	ELP2012-022AL Verbiest																
2013-08-13 Tu											ELP2012-022AL Verbiest																	
2013-08-14 We	ELP2012-022AL 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 ELM2013-012 Kuniyoshi, Horneff
- 1 ELT2012-005E Anderson
- 2 ELP2012-022AL Verbiest

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 Computer MPIfR Effelsberg LOFAR Station 2013-08-06 through 2013-08-14

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
2013-08-06 Tu	ELG2013-000U Koehler et al.										ELP2012-022AK Verbiest															
2013-08-07 We	ELP2012-022AK Verbiest										*0	ELG2013-000U Koehler et al.														
2013-08-08 Th	ELG2013-000U Koehler et al.																									
2013-08-09 Fr	ELG2013-000U Koehler et al.										*0	*1	*2	*0	ELP2013-004U Kuniyoshi & Takefuji											
2013-08-10 Sa	ELP2013-004U Kuniyoshi & Takefuji																									
2013-08-11 Su	ELP2013-004U Kuniyoshi & Takefuji																									
2013-08-12 Mo	ELP2013-004U Kuniyoshi & Takefuji										*0	ELP2012-022AL Verbiest														
2013-08-13 Tu	ELP2012-022AL Verbiest																									
2013-08-14 We	ELP2012-022AL Verbiest										*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					18				

Normal Experiment Code Markers

- 0 ELM2013-012 Kuniyoshi, Horneff
- 1 ELT2012-005E Anderson
- 2 ELP2012-022AL Verbiest

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 Iofarsrv Computer MPIfR Effelsberg LOFAR Station 2013-08-06 through 2013-08-14

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		
2013-08-06	Tu	ELG2013-000U Koehler et al.																											
2013-08-07	We												ELG2013-000U Koehler et al.																
2013-08-08	Th	ELG2013-000U Koehler et al.																											
2013-08-09	Fr	ELG2013-000U Koehler et al.							*0	*1						ELP2013-004U Kuniyoshi & Takefuji													
2013-08-10	Sa											ELP2013-004U Kuniyoshi & Takefuji																	
2013-08-11	Su											ELP2013-004U Kuniyoshi & Takefuji																	
2013-08-12	Mo	ELP2013-004U Kuniyoshi & Takefuji								*0																			
2013-08-13	Tu																												
2013-08-14	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 ELT2012-005E 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

2013-08-06 through 2013-08-14

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	
2013-08-06 Tu																											
2013-08-07 We											*0																
2013-08-08 Th																											
2013-08-09 Fr											*0	*1															
2013-08-10 Sa																											
2013-08-11 Su																											
2013-08-12 Mo																											
2013-08-13 Tu																											
2013-08-14 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 ELT2012-005E 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

2013-08-06 through 2013-08-14

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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	
2013-08-06 Tu																											
2013-08-07 We																											
2013-08-08 Th																											
2013-08-09 Fr										*0	*1																
2013-08-10 Sa																											
2013-08-11 Su																											
2013-08-12 Mo												*0															
2013-08-13 Tu																											
2013-08-14 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 ELT2012-005E 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

2013-08-06 through 2013-08-14

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
2013-08-06 Tu																										
2013-08-07 We																										
2013-08-08 Th																										
2013-08-09 Fr																										
2013-08-10 Sa																										
2013-08-11 Su																										
2013-08-12 Mo																										
2013-08-13 Tu																										
2013-08-14 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

ELG2013-000	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
ELG2013-000 U	Koehler et al.	jana@mpifr-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
ELI2013-000	ILT Operations	observer@astron.nl	+31 521 595 777	Main ILT Observations, ILT Operations only on-duty 9--17, M
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpifr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIfR time)
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpifr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIfR time)
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpifr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIfR time)
ELM2013-012	Kuniyoshi, Horneffer, Anderson	lofar-ops@mpifr-bonn.mpg.de	+49 228 525 356	Handover operations for local to ILT mode (MPIfR time)
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 AK	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022 AL	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022 AL	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2013-004	Kuniyoshi & Takefuji	mkuniyos@mpifr-bonn.mpg.de	+49 228 525 505	Simultaneous observations of giant single pulses of Crab PS
ELP2013-004 U	Kuniyoshi & Takefuji	mkuniyos@mpifr-bonn.mpg.de	+49 228 525 505	Simultaneous observations of giant single pulses of Crab PS
ELT2012-005	Anderson	anderson@mpifr-bonn.mpg.de	+49 228 525 356	8 bit mode testing with LuMP
ELT2012-005 E	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

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

