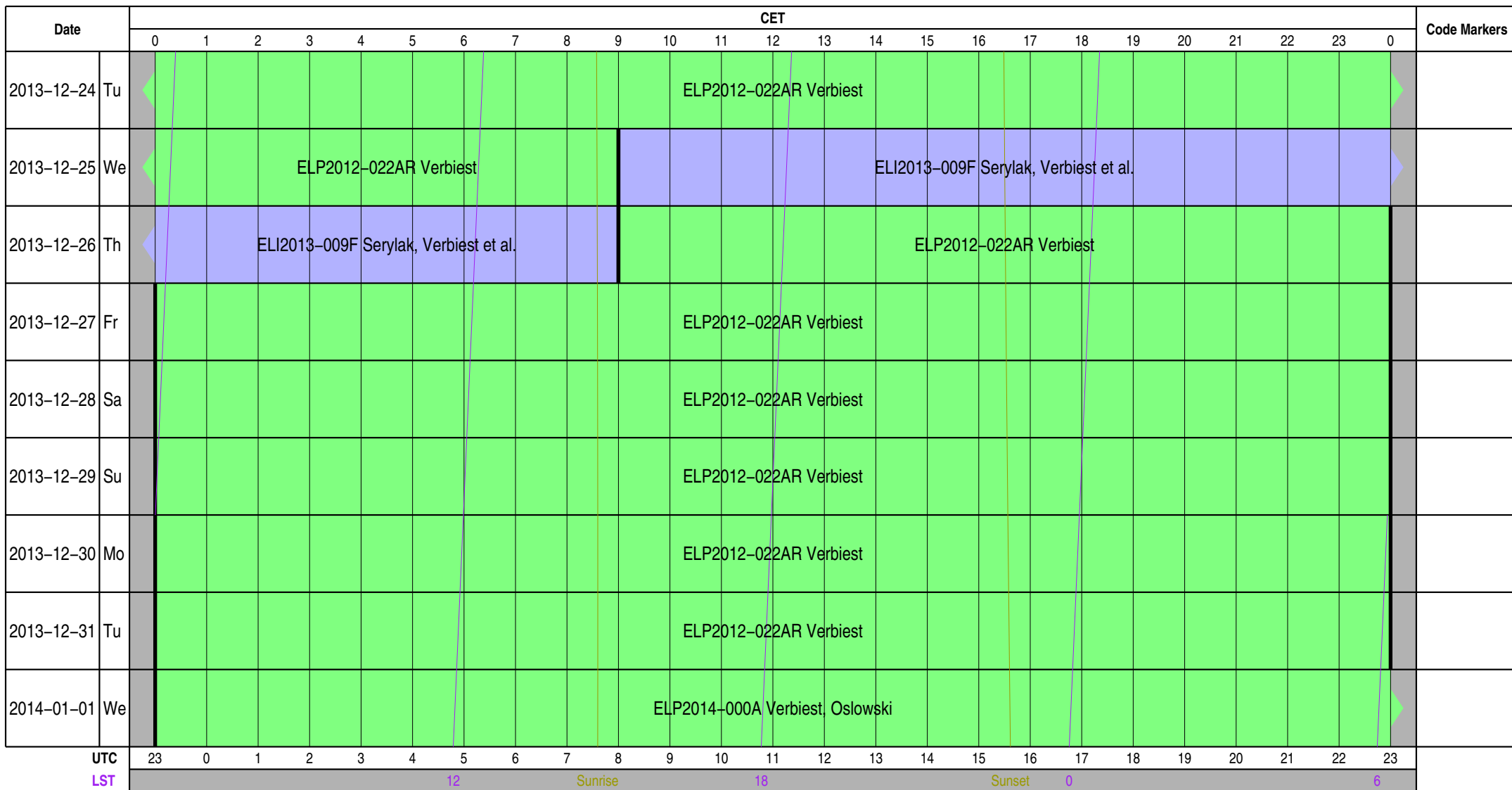


Observing Plan for Station Control (LCU)

MPIfR Effelsberg LOFAR Station

2013-12-24 through 2014-01-01

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

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

2013-12-24 through 2014-01-01

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	
2013-12-24	Tu																										
2013-12-25	We																										
2013-12-26	Th																										
2013-12-27	Fr																										
2013-12-28	Sa																										
2013-12-29	Su																										
2013-12-30	Mo																										
2013-12-31	Tu																										
2014-01-01	We																										

UTC 23
01234567891011121314151617181920212223
23

LST 12
Sunrise
18
Sunset
0
6

Normal Experiment Code Markers

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 2013-12-24 through 2014-01-01

Date	Day	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	
2013-12-24	Tu	ELP2012-022AR Verbiest																								
2013-12-25	We	ELP2012-022AR Verbiest								ELI2013-009F Serylak, Verbiest et al.																
2013-12-26	Th	ELI2013-009F Serylak, Verbiest et al.								ELP2012-022AR Verbiest																
2013-12-27	Fr	ELP2012-022AR Verbiest																								
2013-12-28	Sa	ELP2012-022AR Verbiest																								
2013-12-29	Su	ELP2012-022AR Verbiest																								
2013-12-30	Mo	ELP2012-022AR Verbiest																								
2013-12-31	Tu	ELP2012-022AR Verbiest																								
2014-01-01	We	ELP2014-000A Verbiest, Oslowski																								

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		0							6

Normal Experiment Code Markers

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 2013-12-24 through 2014-01-01

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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	
2013-12-24	Tu																										
2013-12-25	We																										
2013-12-26	Th																										
2013-12-27	Fr																										
2013-12-28	Sa																										
2013-12-29	Su																										
2013-12-30	Mo																										
2013-12-31	Tu																										
2014-01-01	We																										

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

Normal Experiment Code Markers

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

2013-12-24 through 2014-01-01

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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
2013-12-24	Tu																									
2013-12-25	We																									
2013-12-26	Th																									
2013-12-27	Fr																									
2013-12-28	Sa																									
2013-12-29	Su																									
2013-12-30	Mo																									
2013-12-31	Tu																									
2014-01-01	We																									

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

Normal Experiment Code Markers

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

2013-12-24 through 2014-01-01

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	
2013-12-24 Tu																											
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2013-12-27 Fr																											
2013-12-28 Sa																											
2013-12-29 Su																											
2013-12-30 Mo																											
2013-12-31 Tu																											
2014-01-01 We																											

UTC 23
01234567891011121314151617181920212223
23

LST
12
Sunrise
18
Sunset
0
6

Normal Experiment Code Markers

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

2013-12-24 through 2014-01-01

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
2013-12-24 Tu																										
2013-12-25 We																										
2013-12-26 Th																										
2013-12-27 Fr																										
2013-12-28 Sa																										
2013-12-29 Su																										
2013-12-30 Mo																										
2013-12-31 Tu																										
2014-01-01 We																										

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

LST
12 Sunrise 18 Sunset 0 6

Normal Experiment Code Markers

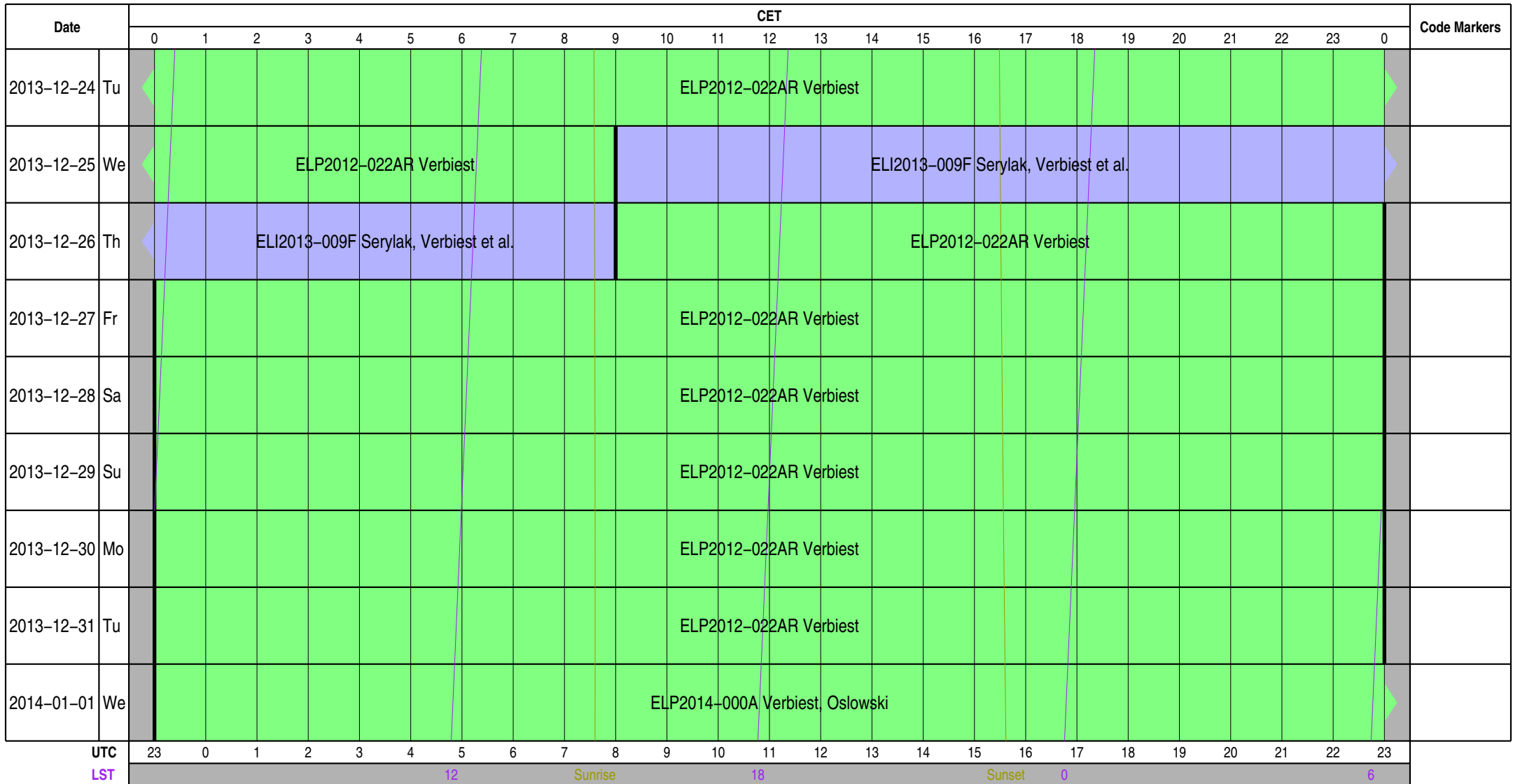
Other Code Markers

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 2013-12-24 through 2014-01-01

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Normal Experiment Code Markers

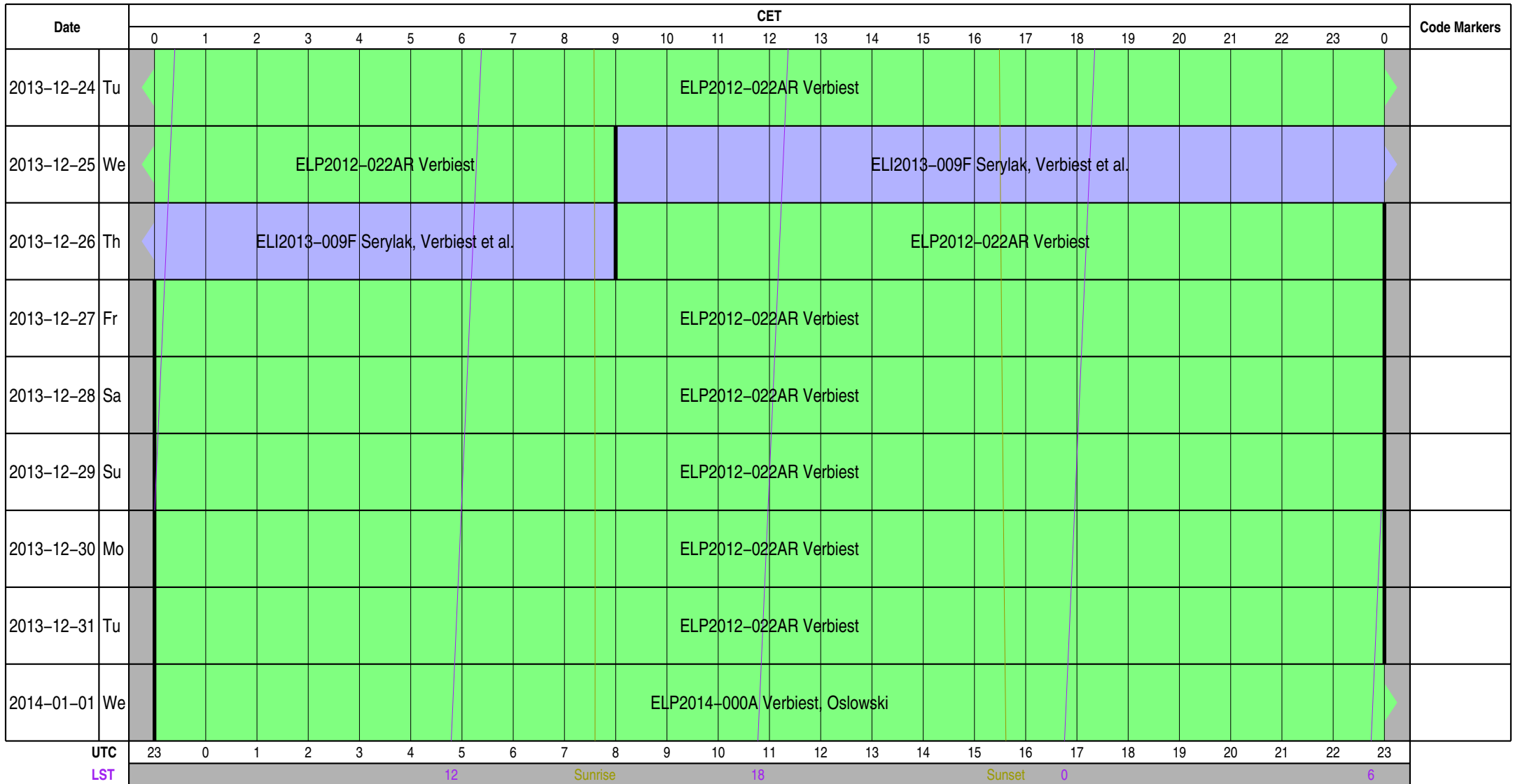
Other Code Markers

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 2013-12-24 through 2014-01-01

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Normal Experiment Code Markers

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

2013-12-24 through 2014-01-01

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	
2013-12-24	Tu																										
2013-12-25	We																										
2013-12-26	Th																										
2013-12-27	Fr																										
2013-12-28	Sa																										
2013-12-29	Su																										
2013-12-30	Mo																										
2013-12-31	Tu																										
2014-01-01	We																										

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20
21
22
23
23

LST
12
Sunrise
18
Sunset
0
6

Normal Experiment Code Markers

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

2013-12-24 through 2014-01-01

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	
2013-12-24	Tu																										
2013-12-25	We																										
2013-12-26	Th																										
2013-12-27	Fr																										
2013-12-28	Sa																										
2013-12-29	Su																										
2013-12-30	Mo																										
2013-12-31	Tu																										
2014-01-01	We																										

UTC 23
01234567891011121314151617181920212223
23

LST 12
Sunrise
18
Sunset
0
6

Normal Experiment Code Markers

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

2013-12-24 through 2014-01-01

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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
2013-12-24	Tu																									
2013-12-25	We																									
2013-12-26	Th																									
2013-12-27	Fr																									
2013-12-28	Sa																									
2013-12-29	Su																									
2013-12-30	Mo																									
2013-12-31	Tu																									
2014-01-01	We																									

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

Normal Experiment Code Markers

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

2013-12-24 through 2014-01-01

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
2013-12-24	Tu																										
2013-12-25	We																										
2013-12-26	Th																										
2013-12-27	Fr																										
2013-12-28	Sa																										
2013-12-29	Su																										
2013-12-30	Mo																										
2013-12-31	Tu																										
2014-01-01	We																										

ELD2013-002 Kuniyoshi

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		0						6

Normal Experiment Code Markers

Other Code Markers

Color Meanings

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

Experiment Information for Normal Observations

ELI2013-009	Serylak, Verbiest et al.	joris.verbiest@gmail.com	+49 521 106 3184	LC1_048 Studying Pulsars and the Interstellar Medium using
ELI2013-009 F	Serylak, Verbiest et al.	joris.verbiest@gmail.com	+49 521 106 3184	LC1_048 Studying Pulsars and the Interstellar Medium using
ELP2012-022	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022 AR	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2012-022 AR	Verbiest	verbiest@mpifr-bonn.mpg.de	+49 228 525 246	Assessing the Timing Potential of LOFAR for Pulsars
ELP2014-000	Verbiest, Osowski	joris.verbiest@gmail.com	+49 521 106 3184	Generig Long Term Pulsar Monitoring
ELP2014-000 A	Verbiest, Osowski	joris.verbiest@gmail.com	+49 521 106 3184	Generig Long Term Pulsar Monitoring

Experiment Information for Other Actions

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	lofarAN	lofarBN	lofarx	lofarsr	fiber	BN--EF_	duty
ELI2013-009	24.00		24.00					24.00	24.00				
ELI2013-009 F	24.00		24.00					24.00	24.00				
ELP2012-022	168.00		168.00					168.00	168.00				
ELP2012-022 AR	33.00		33.00					33.00	33.00				
ELP2012-022 AR	135.00		135.00					135.00	135.00				
ELP2014-000	24.00		24.00					24.00	24.00				
ELP2014-000 A	24.00		24.00					24.00	24.00				

Time Usage [hours] for Other Actions

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