

MTW
1st Quarter

FY24 MTW Facility Calendar

Revision 11 Dec 4, 2023								
Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign (Additional Activities)	PI (Additional Support)	Sub-Systems
2-Oct-23			Maint			Maintenance (Laser Interlks/Door Swipe)	C. Mileham (IB)	Lasers Off
9-Oct-23			SMI-Prep			Spherical Multilayer Imager Prep	C. Stoeckl (CM,ND)	STC
16-Oct-23			SMI	Bumped	Optic	Spherical Multilayer Imager	C. Stoeckl (IB,CM,ND)	TBWP, CLARA, OPCPA, RA, DA, MTW GCC, STC
23-Oct-23			SMI			Spherical Multilayer Imager	C. Stoeckl (IB,CM,ND)	TBWP, CLARA, OPCPA, RA, DA, MTW GCC, STC
30-Oct-23 APS			CML			CML	S. Bucht (IB,RC)	TBWP, CLARA, OPCPA, MTW GCC
6-Nov-23			CML			CML	S. Bucht (IB,RC)	TBWP, CLARA, OPCPA, MTW GCC
13-Nov-23	Lab Database Move	Lab Database Move	Maint			Maintenance (UDP Chamber Leaktest)	I. Begishev	UDP Vac. System
20-Nov-23			Maint	Holiday	Holiday	Maintenance (UDP Chamber Leaktest)	I. Begishev	UDP Vac. System
27-Nov-23			Maint			Maintenance	I. Begishev	
4-Dec-23			Maint			Maintenance	I. Begishev	
11-Dec-23			CML			CML	S. Bucht (IB,RC)	TBWP, CLARA, OPCPA, MTW GCC
18-Dec-23			CML		Power Down	CML	S. Bucht (IB,RC)	TBWP, CLARA, OPCPA, MTW GCC
25-Dec-23	Holiday	Power Up	Holiday			Holiday	I. Begishev	

- Maint & Reconfiguration
- Laser Development
- Experiment Spherical Target Chamber
- Experiment UDP Target Chamber
- Experiment Other
- Baseline Campaign
- Joint Facility Efforts

- Standard LDL Sub-systems
- TBWP- Time Bandwidth Product Laser
 - CLARA- Crystal Large Aperture Ring Amplifier
 - OPCPA- Optical Parametric CPA
 - RA- Rod Amplifier
 - DA- Disk Amplifier
 - MTWGCC-MTW Compression Chamber
 - STC- Spherical Target Chamber
 - UDPTC- Under Dense Plasma Target Chamber
 - UDPE- Under Dense Plasma Laser
 - N5 Pump- Pump for NOPA 5

MTW OPAL 1st Quarter								
Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign (Additional Activities)	PI (Additional Support)	Sub-Systems
2-Oct-23			Maint			(Enclosure Activation) (AVC into Annex) (Laser Interlks/Door Swipe)	M. Spilatro (CM)	Lasers Off
9-Oct-23			Maint			(Enclosure Activation) (AVC into Annex) (Prep for Stretcher Align)	M. Spilatro (RR,CM)	3 Days Lasers Off
16-Oct-23			SA			Stretcher Alignment (AVC Panel Install)	B. Webb (RR,BW,MS)	UFE, CLARA, N4
23-Oct-23			SA			(AVC Vacuum Install) Stretcher Alignment (AVC Vacuum Install)	B. Webb (RR,BW,MS)	UFE, CLARA, N4
30-Oct-23 APS			Extended Maint			(AVC Vacuum Controls) (N2 / N3 Pump Evaluation)	Roides / Spilatro (SB)	UFE (No WLC)
6-Nov-23			Extended Maint			(AVC Vacuum Controls) (N2 / N3 Pump Evaluation)	Roides / Spilatro (SB)	UFE (No WLC)
13-Nov-23	Lab Database Move	Lab Database Move	Extended Maint			(AVC Vacuum Controls) (N2 / N3 Pump Evaluation)	Roides / Spilatro (SB)	UFE (No WLC)
20-Nov-23			Extended Maint	Holiday	Holiday	Holiday (AVC Pump Down)	R. Roides	
27-Nov-23			COS Throughput			COS Throughput Meas.	S.Bucht / B. Webb	UFE, CLARA, N4
4-Dec-23			2W Opal			2W on OPAL	S.W Bahk (RR,BW,IB)	UFE, CLARA, N4
11-Dec-23			PPI			Post Pedestal Investigation	C. Dorrer/B. Webb (RR)	UFE, CLARA, N4
18-Dec-23			DP CLARA Raman		Power Down	DP CLARA @ Raman (Damage in FP CLARA)	Feng (RR)	
25-Dec-23	Holiday	Power UP	De-Hum Work	De-Hum Work	De-Hum Work	Holiday (Damage in FP CLARA)	Spilatro / Feng (RR)	

- Standard LDL Annex Sub-systems
- UFE- Ultra Broadband Front End
 - CLARA- Crystal Large Aperture Ring Amplifier
 - N4- NOPA4
 - OI- OPAL Idler
 - RSC- Raman Seed Compressor
 - N5 seed- NOPA5 seed unamplified
 - N5 amp- NOPA5 amplified
 - OPAL GCC- OPAL Compression Chamber
 - DCP- Diagnostic compressor package

MTW
2nd Quarter

FY24 MTW Facility Calendar

Revision 10 Mar 14, 2024

Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign (Additional Activities)	PI (Additional Support)	Sub-Systems
1-Jan-24	Holiday		SMI-Prep			Spherical Multilayer Imager Prep	C. Stoeckl (CM,ND)	STC
8-Jan-24			SMI			Spherical Multilayer Imager	C. Stoeckl (IB,CM,ND)	TBWP, CLARA, OPCPA, RA, DA, MTW GCC, STC
15-Jan-24	Holiday	Safety Day	Maint			Maintenance	I. Begishev	
22-Jan-24		Safety Inspection	FC 1w			Full Energy Contrast 1w	I. Begishev	TBWP, CLARA, OPCPA, MTW GCC
29-Jan-24			FC 1w			Full Energy Contrast 1w	I. Begishev	TBWP, CLARA, OPCPA, MTW GCC
5-Feb-24			FC 2w			Full Energy Contrast 2w	I. Begishev	TBWP, CLARA, OPCPA, MTW GCC
12-Feb-24			FC 2w			Full Energy Contrast 2w	I. Begishev	TBWP, CLARA, OPCPA, MTW GCC
19-Feb-24			CML			CML	S. Bucht (IB,RC)	TBWP, CLARA, OPCPA, MTW GCC
26-Feb-24			CML			CML (Timo @ UFE 2.0)	S. Bucht (IB,RC)	TBWP, CLARA, OPCPA, MTW GCC
4-Mar-24			FC 2w			Full Energy Contrast 2w (Timo @ UFE 2.0)	I. Begishev	TBWP, CLARA, OPCPA, MTW GCC
11-Mar-24			FC 2w			Full Energy Contrast 2w (Timo @ UFE 2.0)	I. Begishev	TBWP, CLARA, OPCPA, MTW GCC
18-Mar-24			Maint			Maintenance	I. Begishev	
25-Mar-24			PFT			Pulse Front Tilt	S-W Bahk (IB,CM,ND)	TBWP, CLARA, OPCPA, RA, DA, MTW GCC, STC

	Maint & Reconfiguration
	Laser Development
	Experiment Spherical Target Chamber
	Experiment UDP Target Chamber
	Experiment Other
	Baseline Campaign
	Joint Facility Efforts

Standard LDL Sub-systems
TBWP- Time Bandwidth Product Laser
CLARA- Crystal Large Aperture Ring Amplifier
OPCPA- Optical Parametric CPA
RA- Rod Amplifier
DA- Disk Amplifier
MTWGCC-MTW Compression Chamber
STC- Spherical Target Chamber
UDPTC- Under Dense Plasma Target Chamber
UDPE- Under Dense Plasma Laser
N5 Pump- Pump for NOPA 5

MTW OPAL
2nd Quarter

Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign (Additional Activities)	PI (Additional Support)	Sub-Systems
1-Jan-24	Holiday		Maint			Maintenance (Damage in FP CLARA)	R. Roides	
8-Jan-24	DP CLARA Review		Baseline			FP CLARA / N4 Baseline (DP CLARA Offline Meas.)	S. Bucht	
15-Jan-24	Holiday	Safety Day	Baseline			FP CLARA / N4 Baseline (DP CLARA Offline Meas.)	S. Bucht	
22-Jan-24		Safety Inspection	Baseline			FP CLARA / N4 Baseline (DP CLARA Offline Meas.)	S. Bucht	
29-Jan-24			FP CLARA DI			FP CLARA Damage Investigation	S. Bucht / R.Roides	
5-Feb-24			FP CLARA DI			FP CLARA Damage Investigation	S. Bucht / R.Roides	
12-Feb-24			FP CLARA DI			FP CLARA Damage Investigation	S. Bucht / R.Roides	
19-Feb-24			FP CLARA Removal			FP CLARA Removal	R.Roides	Lasers Off
26-Feb-24			DP CLARA Install			DP CLARA Mechanical Install (PCC Laser Track Wed.)	Roides / Dauphin	Lasers Off
4-Mar-24			DP CLARA Install			DP CLARA Mechanical Install	Roides / Dauphin	Lasers Off
11-Mar-24			DP CLARA Install			DP CLARA Mechanical Install	Roides / Dauphin	Lasers Off
18-Mar-24			DP CLARA SSG			DP CLARA SSG	C.Feng / R.Roides	
25-Mar-24			DP CLARA SSG			DP CLARA SSG	C.Feng / R.Roides	

Standard LDL Annex Sub-systems
UFE- Ultra Broadband Front End
CLARA- Crystal Large Aperture Ring Amplifier
N4- NOPA4
N5 seed- NOPA5 seed unamplified
N5 amp- NOPA5 amplified
OPAL GCC- OPAL Compression Chamber
DCP- Diagnostic compressor package
PCC- Pulse Conditioning Chamber
AVC- Auxillary Vacuum Chamber

MTW
3rd Quarter

MTW OPAL

3rd Quarter

Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign (Additional Activities)	PI (Additional Support)	Sub-Systems (Key Vacations)
1-Apr-24			DP CLARA Align			DP CLARA Alignment	R.Roides (ND)	UFE, CLARA
8-Apr-24			DP CLARA WO			DP CLARA Wavefront Optimization	C.Feng (RR, CD, ND)	UFE, CLARA
15-Apr-24 OUG			DP CLARA ER			DP CLARA Energy Ramp (CW to UDP prep)	C.Feng (CD, ND)	UFE, CLARA
22-Apr-24			DP CLARA ER			DP CLARA Energy Ramp (CW to UDP prep)	C.Feng (CD, ND)	UFE, CLARA (SB)
29-Apr-24		DC		Retro Inv		Retro Investigation Apodizer Fabrication LDL Annex Deep Clean	C. Feng	Lasers Off Tuesday (RR)
6-May-24			DP CLARA ER			DP CLARA Energy Ramp (CW Alignment to UDP)	C.Feng (CD, ND)	UFE, CLARA (RR,CD)
13-May-24			DP CLARA ER			DP CLARA Energy Ramp	C.Feng (RR, CD, ND)	UFE, CLARA
20-May-24			DP CLARA WC			DP CLARA Wavefront Characterization	C.Feng (RR, ND)	UFE, CLARA Lasers Off Monday
27-May-24	Holiday		DP CLARA SHG			DP CLARA Second Harmonic Gen.	C.Feng (RR, SB, ND)	UFE, CLARA
3-Jun-24			BC			Baseline Campaign	S. Bucht (RR)	UFE, CLARA
10-Jun-24			GLX Align			GLX Alignment	R. Roides (ND)	UFE
17-Jun-24			Holiday			Fiber Amp Troubleshooting	R. Roides (ND)	UFE
24-Jun-24			BC			Baseline Campaign	S. Bucht (RR)	UFE, CLARA, N4

Standard LDL Sub-systems
TBWP- Time Bandwidth Product Laser
CLARA- Crystal Large Aperture Ring Amplifier
OPCPA- Optical Parametric CPA
RA- Rod Amplifier
DA- Disk Amplifier
MTWGCC-MTW Compression Chamber
STC- Spherical Target Chamber
UDPTC- Under Dense Plasma Target Chamber
UDPE- Under Dense Plasma Laser
N5 Pump- Pump for NOPA 5

Standard LDL Annex Sub-systems
 UFE- Ultra Broadband Front End
 CLARA- Crystal Large Aperture Ring Amplifier
 N4- NOPA4
 N5 seed- NOPA5 seed unamplified
 N5 amp- NOPA5 amplified
 OPAL GCC- OPAL Compression Chamber
 DCP- Diagnostic compressor package
 PCC- Pulse Conditioning Chamber
 AVC- Auxillary Vacuum Chamber

MTW
4th Quarter

4th Quarter

FY24 MTW Facility Calendar

Revision 9 Aug 27, 2024								
Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign (Additional Activities)	PI (Additional Support)	Sub-Systems (Key Vacations)
1-Jul-24			LWFA	Holiday		Laser Wakefield Acceleration	M.V. Ambat	MTW SE, UDPTC (JS)
8-Jul-24			LWFA			Laser Wakefield Acceleration	M.V. Ambat	MTW SE, UDPTC (JS)
15-Jul-24			SHG-T			SHG Thin Crystal	I. Begishev	TBWP, CLARA, OPCPA, MTW GCC
22-Jul-24			SHG-T			SHG Thin Crystal	I. Begishev	TBWP, CLARA, OPCPA, MTW GCC (MVA)
29-Jul-24			SHG-T			SHG Thin Crystal	I. Begishev	TBWP, CLARA, OPCPA, MTW GCC
5-Aug-24			Maint			Maintenance	I. Begishev	(IB)
12-Aug-24			SHG-T		BC	SHG Thin Wrap Up Operational Joint-Baseline Campaign	C. Jeon (IB)	TBWP, CLARA, OPCPA, MTW SE
19-Aug-24			LWFA			Laser Wakefield Acceleration	M.V. Ambat	MTW SE, UDPTC
26-Aug-24			LWFA			Laser Wakefield Acceleration	M.V. Ambat	MTW SE, UDPTC
2-Sep-24	Holiday		CML			CML	S. Bucht (IB,SQ)	TBWP, CLARA, OPCPA,
9-Sep-24			CML			CML	S. Bucht (IB,SQ)	TBWP, CLARA, OPCPA,
16-Sep-24			Maint			Maintenance	I. Begishev	
23-Sep-24			LWFA			Laser Wakefield Acceleration	M.V. Ambat	MTW SE, UDPTC

	Maint & Reconfiguration
	Laser Development
	Experiment Spherical Target Chamber
	Experiment UDP Target Chamber
	Experiment Other
	Baseline Campaign
	Joint Facility Efforts

Standard LDL Sub-systems
TBWP- Time Bandwidth Product Laser
CLARA- Crystal Large Aperture Ring Amplifier
OPCPA- Optical Parametric CPA
RA- Rod Amplifier
DA- Disk Amplifier
MTWGCC-MTW Compression Chamber
STC- Spherical Target Chamber
UDPTC- Under Dense Plasma Target Chamber
UDPE- Under Dense Plasma Laser
N5 Pump- Pump for NOPA 5

MTW OPAL 4th Quarter								
Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign (Additional Activities)	PI (Additional Support)	Sub-Systems (Key Vacations)
1-Jul-24			Maint	Holiday		Maintenance (UFE - Fiber Amplifiers)	R. Roides (SB)	UFE
8-Jul-24			BC			Baseline Campaign	S. Bucht (RR)	UFE, CLARA, N4,
15-Jul-24			PCC			PCC Install	M. Spilatro	LASERS OFF
22-Jul-24			PCC			PCC Install	M. Spilatro	LASERS OFF (MVA)
29-Jul-24			PCC			PCC Install	M. Spilatro	LASERS OFF (MS)
5-Aug-24			BC			Operational Baseline Campaign	C. Jeon (RR)	UFE, CLARA, N4, OPAL GCC (IB)
12-Aug-24			BC			Operational Joint-Baseline Campaign	C. Jeon (RR)	UFE, CLARA, N4, OPAL GCC
19-Aug-24			LWFA			Laser Wakefield Acceleration	M.V. Ambat	UFE, CLARA, N4, OPAL GCC
26-Aug-24			LWFA			Laser Wakefield Acceleration	M.V. Ambat	UFE, CLARA, N4, OPAL GCC
2-Sep-24	Holiday		Maint			PCC Tracking	M. Spilatro	LASERS OFF
9-Sep-24			Maint			Environmentals	C. Mileham	
16-Sep-24			Maint					(MVA)
23-Sep-24			LWFA			Laser Wakefield Acceleration	M.V. Ambat	UFE, CLARA, N4, OPAL GCC

Standard LDL Annex Sub-systems
UFE- Ultra Broadband Front End
CLARA- Crystal Large Aperture Ring Amplifier
N4- NOPA4
N5 seed- NOPA5 seed unamplified
N5 amp- NOPA5 amplified
OPAL GCC- OPAL Compression Chamber
DCP- Diagnostic compressor package
PCC- Pulse Conditioning Chamber
AVC- Auxillary Vacuum Chamber