

LDL 2nd Quarter

LDL
2nd Quarter

FY21 LDL Schedule

Revision 6 March 15, 2021

LDL Annex
2nd Quarter

Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign(s)	PI	Sub-Systems (Maint. Activities)
28-Dec-20			Maint.		Holiday	Maintenance	I. Begishev	(UDP-E,OAP Testing, PCU Room LDL Laser/Door interlocks)
4-Jan-21			Maint.			Maintenance	I.Begishev	
11-Jan-21			TXD (Spherical)			Talbot-Lau X-ray Deflectometry	P. Valdivia	TBWP, CLARA, OPCPA, RA, DA, MTW GCC, STC
18-Jan-21	Holiday		THz (Spherical)			Terahertz Diagnostic Development	G. Bruhaug	TBWP, CLARA, OPCPA, RA, DA, MTW GCC, STC
25-Jan-21			THz (Spherical)			Terahertz Diagnostic Development	G. Bruhaug	TBWP, CLARA, OPCPA, RA, DA, MTW GCC, STC
1-Feb-21			Seed Alignment (UDP)			Seed Alignment	S.Bucht/J.Shaw	UDPTC Special Laser Eyewear
8-Feb-21			RSI 1 (UDP)			Raman Seed Integration 1	S. Bucht/J. Shaw	OPCPA, MTWGCC, UDPTC Special Laser Eyewear
15-Feb-21			RSI 1 (UDP)			Raman Seed Integration 1	S. Bucht/J.Shaw	OPCPA, MTWGCC, UDPTC Special Laser Eyewear
22-Feb-21			NOPA5 (N5 Table)			NOPA 5 Efficiency	I. Begishev	CLARA, RA, DA, N5 Pump
1-Mar-21			N5 PWT (N5 Table)			N5 Pump Wavefront Transfer	SW Bahk	CLARA, RA, DA, N5 Pump
8-Mar-21			PWCC			Pulse Width Control and Characterization	I. Begishev	
15-Mar-21			PWCC			Pulse Width Control and Characterization	I. Begishev	
22-Mar-21			RA 1 (UDP)			Raman Amplification 1	J. Shaw/S. Bucht	TBWP, CLARA, OPCPA, RA, DA MTWGCC, UDPE, UDPTC Special Laser Eyewear

Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign(s)	PI	Sub-Systems (Maint. Activities)
28-Dec-20			Maint.		Holiday	Maintenance		
4-Jan-21			Maint.			Maintenance	B.Webb/C.Feng	(GCC Upgrade + NOPA4)
11-Jan-21			Maint.			Maintenance	B.Webb/C.Feng	(GCC Upgrade + NOPA4)
18-Jan-21	Holiday		GCC Qual (OPAL GCC)			GCC Qualification	Ben	
25-Jan-21			DCP (DCP)			DCP Contrast Measurement	C.Feng	UFE, CLARA, N4, DCP
1-Feb-21			Seed Alignment (UDP)			Seed Alignment	S.Bucht/J.Shaw	OPAL GCC
8-Feb-21			RSI 1 (UDP)			Raman Seed Integration 1	S. Bucht/J.Shaw	UFE,CLARA, N4, OI OPAL GCC, RSC Special Laser Eyewear
15-Feb-21			RSI 1 (UDP)			Raman Seed Integration 1	S. Bucht/J.Shaw	UFE,CLARA, N4, OI OPAL GCC, RSC Special Laser Eyewear
22-Feb-21			NOPA5 (N5 Table)			NOPA 5 Efficiency	I. Begishev	UFE, CLARA, N4, N5 amp
1-Mar-21			N5 PWT (N5 Table)			N5 Pump Wavefront Transfer	SW. Bahk	UFE, CLARA, N4, N5 amp (GCC HW Integration)
8-Mar-21			Maint.			Maintenance	R. Roides	(UFE, CLARA, N4) (GCC HW Integration)
15-Mar-21			DCP (DCP)			DCP Compression and Contrast	C. Feng	UFE, CLARA, N4, DCP (GCC HW Integration)
22-Mar-21			RA 1 (UDP)			Raman Amplification 1	J. Shaw/S. Bucht	UFE,CLARA, N4, OI OPAL GCC, RSC Special Laser Eyewear

	Maint & Reconfiguration
	Laser Development
	Experiment Spherical Target Chamber
	Experiment UDP Target Chamber
	Experiment Other
	Contingency
	Joint Facility Effort (Hashed over color)

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 Grating 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
OI- OPAL Idler
RSC- Raman Seed Compressor
N5 seed- NOPA 5 seed unamplified
N5 amp- NOPA 5 amplified
OPAL GCC- OPAL Compression Chamber
DCP- Diagnostic compressor Package

LDL 3rd Quarter

LDL
3rd Quarter

Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign(s)	PI	Sub-Systems (Maint. Activities)
29-Mar-21			RA1 (UDPTC)			Raman Amplification 1	J. Shaw/S.Bucht	TBWP, CLARA, OPCPA, RA, DA MTW GCC, UDPE, UDPTC Special Eyewear
5-Apr-21		Maint		Prep for N5PWT		Prep for N5 Pump Wavefront Transfer	I.Begishev	(N5 Pump)
12-Apr-21			N5PWT (N5 Table)			N5 Pump Wavefront Transfer	SW. Bahk	CLARA, RA, DA, N5 pump
19-Apr-21			2WC (MTW GCC)			2W Contrast Measurements	I. Begishev	TBWP, CLARA, OPCPA, RA, DA, MTW GCC
26-Apr-21			2WC (MTW GCC)			2W Contrast Measurements	I. Begishev	TBWP, CLARA, OPCPA, RA, DA, MTW GCC
3-May-21			2WC (MTW GCC)			2W Contrast Measurements	I. Begishev	TBWP, CLARA, OPCPA, RA, DA, MTW GCC
10-May-21			THz (STC)			Terahertz Diagnostic Development	G. Bruhaug	TBWP, CLARA, OPCPA, RA, DA, MTW GCC, STC
17-May-21			Maint			TBWP Repair	I. Begishev	
24-May-21			Maint			TBWP Repair	I. Begishev	
31-May-21			Maint		THz	Terahertz Diagnostic Development	G. Bruhaug	TBWP, CLARA, OPCPA, RA, DA, MTW GCC, STC
7-Jun-21				Prep for RA			I. Begishev	
14-Jun-21			RA 2 (UDPTC)			Raman Amplification 2	J. Shaw/S.Bucht	TBWP, CLARA, OPCPA, RA, DA, MTW GCC, UDPE, UDPTC Special Eyewear
21-Jun-21			RA 2 (UDPTC)			Raman Amplification 2	J. Shaw/S.Bucht	TBWP, CLARA, OPCPA, RA, DA, MTW GCC, UDPE, UDPTC Special Eyewear

	Maint & Reconfiguration
	Laser Development
	Experiment Spherical Target Chamber
	Experiment UDP Target Chamber
	Experiment Other
	Contingency
	Joint Facility Efforts (Hashed over color)

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

FY21 LDL Schedule

LDL Annex
3rd Quarter

Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign(s)	PI	Sub-Systems (Maint. Activities)
29-Mar-21			RA1 (UDPTC)			Raman Amplification 1	J. Shaw/S.Bucht	UFE, CLARA, N4 amp, OI, OPAL GCC Special Eyewear
5-Apr-21		Maint		Prep for N5PWT		Prep for N5 Pump Wavefront Transfer	I. Begishev/ B. Webb	(N5 Pump) (GCC Re-qualification)
12-Apr-21			N5PWT (N5 Table)			N5 Pump Wavefront Transfer	SW. Bahk	UFE, CLARA, N4 Amp, N5 Amp
19-Apr-21			Maint.			UFE and NOPA 4 maint	R. Roides	(UFE, CLARA, N4)
26-Apr-21			GCC OPT (GCC)			GCC Optimization	B.Webb	UFE, CLARA, N4 Amp
3-May-21			RSCO (RSC)			Raman Seed Compression Optimization	S. Bucht	UFE, CLARA, N4, OI, RSC
10-May-21			RSCO (RSC)			Raman Seed Compression Optimization	S. Bucht	UFE, CLARA, N4, OI, RSC
17-May-21			N4CWC (CLARA)			N4 CLARA Wavefront NF/FF Phase Retrieval	C. Feng	CLARA
24-May-21			N4CWC (CLARA)			N4 CLARA Wavefront Characterization with New Probe Beam	C. Feng	CLARA
31-May-21			Maint.			UFE and NOPA 4 maint	R. Roides	(UFE, CLARA, N4)
7-Jun-21			Prep for FEC (OPAL GCC)			Preparations for Full Energy Contrast	B. Webb	UFE, CLARA, N4, N5 amp OPAL GCC
14-Jun-21			RA 2 (UDPTC)			Raman Amplification 2	J. Shaw/S.Bucht	UFE, CLARA, N4, OI, RSC, OPAL GCC Special Eyewear
21-Jun-21			RA 2 (UDPTC)			Raman Amplification 2	J. Shaw/S.Bucht	UFE, CLARA, N4, OI, RSC, OPAL GCC Special Eyewear

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

LDL
4th Quarter

Revision 12 August 11, 2021

Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign(s)	PI (Operations)	Sub-Systems
21-Jun-21			RA2 (UDPTC)			Raman Amplification 2	J. Shaw (IBEG)	TBWP, CLARA, OPCPA, RA, DA MTW GCC, UDPE, UDPTC Special Eyewear
28-Jun-21			RA2 (UDPTC)			Raman Amplification 2	J. Shaw (IBEG)	TBWP, CLARA, OPCPA, RA, DA MTW GCC, UDPE, UDPTC Special Eyewear
5-Jul-21			Maint.			TBWP Repair	I. Begishev (IBEG)	Repair/Re-position active element
12-Jul-21			Maint.			TBWP Replacement	I. Begishev (IBEG)	Replace with DTL oscillator
19-Jul-21			SCI-DEV (STC)			Spherical Crystal Imager Development	C. Stoeckl (IBEG)	TBWP, CLARA, OPCPA, RA, DA, MTW GCC, STC
26-Jul-21			FF (OPAL GCC)			First Focus	C. Jeon (IBEG)	CLARA, RA, DA, MTW GCC, N5 PUMP
2-Aug-21			FEC (OPAL GCC)			Full Energy Contrast	B. Webb (IBEG)	CLARA, RA, DA, MTW GCC, N5 PUMP
9-Aug-21			Maint			Maintenance	I. Begishev (IBEG)	
16-Aug-21			DIS Up			DIS Upgrade	R. Cuffney (RCUF)	
23-Aug-21			NTNSA (STC)			Nucl. TNSA	A. Schwemmlin (IBEG/RCUFF)	TBWP, CLARA, OPCPA, RA, DA MTWGCC, STC
30-Aug-21			THz (STC)			Terahertz Diagnostic Development	G. Bruhaug (IBEG)	TBWP, CLARA, OPCPA, RA, DA, MTW GCC, STC
6-Sep-21			RA3 (UDPTC)			Raman Amplification 3	J. Shaw (IBEG)	TBWP, CLARA, OPCPA, RA, DA, MTW GCC, UDPE, UDPTC Special Eyewear
13-Sep-21			RA3 (UDPTC)			Raman Amplification 3	J. Shaw (IBEG)	TBWP, CLARA, OPCPA, RA, DA, MTW GCC, UDPE, UDPTC Special Eyewear
20-Sep-21			RA3 (UDPTC)			Raman Amplification 3	J. Shaw (IBEG)	TBWP, CLARA, OPCPA, RA, DA, MTW GCC, UDPE, UDPTC Special Eyewear

FY21 LDL Schedule

LDL Annex
4th Quarter

Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign(s)	PI (Operations)	Sub-Systems
21-Jun-21			RA2 (UDPTC)			Raman Amplification 2	J. Shaw (RROI, SBUC, BWEB)	UFE, CLARA, N4, OI, OPAL GCC Special Eyewear
28-Jun-21			RA2 (UDPTC)			Raman Amplification 2	J. Shaw (RROI, SBUC, BWEB)	UFE, CLARA, N4, OI, OPAL GCC Special Eyewear
5-Jul-21			Maint.			UFE and NOPA 4 maint	R. Roides (RROI)	(UFE, CLARA, N4)
12-Jul-21			FF Prep			First Focus preparations	C. Jeon (RROI, MSP)	UFE, CLARA, N4, OPAL GCC
19-Jul-21			FF Prep			First Focus preparations	C. Jeon (RROI, CJEO)	UFE, CLARA, N4, OPAL GCC
26-Jul-21			FF (OPAL GCC)			First Focus	C. Jeon (RROI, CJEO)	UFE, CLARA, N4, N5 amp OPAL GCC
2-Aug-21			FEC (OPAL GCC)			Full Energy Contrast	B. Webb (RROI, CJEO)	UFE, CLARA, N4, N5 amp OPAL GCC
9-Aug-21			N4CWC (CLARA)			N4 CLARA Wavefront NF/FF Phase Retrieval	C. Feng (RROI, CFEN)	CLARA
16-Aug-21			DIS Up			DIS Upgrade	R. Cuffney (RCUF)	
23-Aug-21			Maint.			UFE and NOPA 4 maint	R. Roides (RROI)	(UFE, CLARA, N4)
30-Aug-21			RA Prep			Raman Seed Prep	S. Bucht (SBUC)	
6-Sep-21			RA3 (UDPTC)			Raman Amplification 3	J. Shaw (RROI, SBUC, BWEB)	UFE, CLARA, N4, OI, RSC, OPAL GCC Special Eyewear
13-Sep-21			RA3 (UDPTC)			Raman Amplification 3	J. Shaw (RROI, SBUC, BWEB)	UFE, CLARA, N4, OI, RSC, OPAL GCC Special Eyewear
20-Sep-21			RA3 (UDPTC)			Raman Amplification 3	J. Shaw (RROI, SBUC, BWEB)	UFE, CLARA, N4, OI, RSC, OPAL GCC Special Eyewear

	Maint & Reconfiguration
	Laser Development
	Experiment Spherical Target Chamber
	Experiment UDP Target Chamber
	Experiment Other
	Contingency
	Joint Facility Efforts (Hashed over color)

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
 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