

# OMEGA 1st Quarter

## FY20 Omega Schedule

1st Quarter

Rev. 28 07 August 2020

## OMEGA EP

1st Quarter

Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign(s)	PI	No. shots
30-Sep-19	Laser	Laser	Laser	Laser	BWA PB	MPD Activation HiCops Testing FCC Transmission	L. Waxer K. Bauer S. Sampat	
7-Oct-19	PB	DT Cryo 60 SG5	DT LBS 60 SG5	DT ICF 60 SG5		Cryo-20A HighTempGamowShift-20A KoDI-dev-20A	J. Knauer O. Mannion H. Rinderknecht	11 11 5.5
14-Oct-19								
21-Oct-19	Laser	Laser	Laser	Laser	Laser	100Gbar - Power Balance 100Gbar - Power Balance 100Gbar - Power Balance	L. Waxer K. Bauer S. Sampat	
28-Oct-19		DT ICF 60 SG5-650	Laser	HED none	BWA PB	XPSscaling-20A MPD Activation MShock-20A	M. Rosenberg K. Flippo	11 11
4-Nov-19	PB	DT Cryo 60 SG5	HED 50 SG5	LBS 6 SG5	AngRes	Cryo-20B XEST-20A TurbulentTransMag-20A	J. Knauer J. Ruby/A. Chin W. Fox	11 11 11
11-Nov-19	AngRes	ICF 9 SG5/5 IDI	ICF 8 IDI	LBS 20 SG5	OHRV	AngResTS-20A TRXISpatRes-20A BFieldOTS-20A	A. Milder S. Ivancic G. Swadling	11 5.5 11
18-Nov-19	OHRV	OHRV ICF 5 SG5-650	OHRV HED 5 SG8 Flat	OHRV HED 10 SG8-Flat	BWA PB	OHRVFoamImprint-20A ShockSmooth-20A Ejecta-O-20A/ExtremeDef-20A	J. Peebles M. Gorman S. Ali/C. Stan	11 11 11
25-Nov-19	PB	DT Cryo 60 SG5-650		Holiday	Holiday	Cryo-20C	W. Theobald	11
2-Dec-19		NLUF 6 SG5	H7-H14 HED 12 SG8-Flat	HED		BubbleTS-20A EXAFS-Ledge-20A/Diamond FoamXRFTS-20A	G. Sutcliffe F. Coppari/M. Millot M. MacDonald	11 11 5.5
9-Dec-19		Gas Jet ICF 9 SG5/5 IDI	Gas Jet ICF 9 SG5/5 IDI	HED 40 SG5-650		MBeamCBETSat-J-20A Top9CBET-Transient-J-20A Revolver-20A	A. Hansen D. Turnbull B. Scheiner	11 11 11
16-Dec-19		DT HED 60 SG5	HED 9 SG8	D3He NLUF 60 SG5		EnergeticNeutron-20A MOEXAFS-20A ieRate-20A	B. Aguirre A. Chin P. Adrian	11 11 11
23-Dec-19			Holiday					

Days per quarter 22.5

Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign(s)	PI	No. shots
30-Sep-19		Laser	Laser	Target				
7-Oct-19		4UV HED	4UV HED	4UV ICF		HE-XRD-EP-20A ShkSndSpeEP-20A DiamondRefreezeEP-20A	M. Marshall M. Huff M. Millot	7 7 7
14-Oct-19		4UV HED		4UV HED		RampWaterEP-20A QuartzSapphireEP-20A	M. Marshall C. McCoy	7 7
21-Oct-19		Laser	Laser	Target		SP LP Timing		
28-Oct-19		2S+2UV ICF	2S+2UV ICF	2S+2UV ICF		PlasmaLens-EP-20A SiBLDevEP-20A TeBoostEP-20A	J. Shaw C. Stoeckl D. Mariscal	7 7 7
4-Nov-19		2S+2UV NLUF	2S+2UV NLUF GasJet	Target		RelRecon-EP-20A DirectLaserAccel-EP-20A	K. Krushelnick L. Willingale	7 7
11-Nov-19		Laser	2S+2UV ICF			CapillaryXRayEP-20A	H. Chen	7
18-Nov-19		Target	2S+2UV L Net dds	2S+2UV LBS dds		TalbotLauXRDefEP-20A PionZ-EP-20A	P. Valdivia S. Jiang	7 7
25-Nov-19		SL+3UV LBS dds		Holiday	Holiday	LabDynamoEP-20A	K. Flippo	7
2-Dec-19		2S+2UV L Net	2S+2UV HED	2S+2UV ICF		PairYieldEP-20A BuriedLayerEP-19A AdvRadEP-20A	H. Chen P. Nilson J. Shaw	7 7 7
9-Dec-19		TOPA J ICF	TOPA J ICF	4UV NLUF		MBeamCBETSat-J-20A Top9CBET-Transient-J-20A PhotoPlasma-EP-20A	A. Hansen D. Turnbull R. Mancini	3.5 3.5 7
16-Dec-19		4UV HED	4UV LBS	4UV NLUF		ShockRampEP-20A SilicateEOS-EP-20A MGO-XRD-EP-20A	M. Gorman M. Millot J. Wicks	7 7 7
23-Dec-19			Holiday					

Days per quarter 22

Red	Maint & Reconfiguration
Light Blue	ICF LLE
Light Grey	Joint Facility Shots
Light Blue	ICF LLNL/LANL/SNL/NRL
Green	HED Stockpile Science
Purple	NLUF
Yellow	CEA
Light Blue	System Shots- reduced shot crew
Orange	ARPA-E/DTRA/Rutherford/Other
Black	Reserved - unfunded
Light Green	Contingency
Light Blue	LBS

SSG	Small Signal Gain, F-Cal
BWA	Blast window assembly replacement
ICF	Inertial Confinement Fusion
PB	Power Balance
LBS	Laboratory Basic Science
NLUF	University Basic Science

Hash shading indicates beams terminating to OMEGA

CP	Co-prop
LC	OMEGA single beam from lower compressor
UC	OMEGA single beam from upper compressor
BL	EP Backlighter single beam (UC or LC)
SL	EP Sidelighter

OMEGA 2<sup>nd</sup> Quarter

FY20 Omega Schedule

Rev. 28 07 August 2020

OMEGA EP 2nd Quarter

Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign(s)	PI	No. shots
30-Dec-19			Holiday					
6-Jan-20					BWA PB			
13-Jan-20		ICF 60 SG5	ICF 5 SG5	LBS 6 E685		Top9CBET-Transient-J-20B AbsorbAsym-20A XRDaIloy-20A	D. Edgell D. Turnbull R. Smith	11 11 5.5
20-Jan-20	Holiday	Laser	Laser	Laser	Laser	100Gbar - Power Balance 100Gbar - Power Balance 100Gbar - Power Balance	L. Waxer K. Bauer S. Sampat	
27-Jan-20		NLUF 20 SG5	HED 9 SG5	ICF 60 SG5	BWA PB	Tdyno-20A AuGasJet-20A/DiamondLau NeutronTimeOM-20A	P. Tzeferacos G. Swadling/C. Stan C. Stoekli	11 11 5.5
3-Feb-20	PB	DT 40 SG5-650	DT 40 SG5-650	HED none		Cryo-20D Cryo-20D Marble-VC-20A	W. Theobald W. Theobald P. Kozlowski	11 11 11
10-Feb-20		DT3He NLUF 20 SG5	DT3He ICF 5 IDI	H7-H14 ICF 60 SG5-650		HohlraumRT-20A MagHohlMultiPBL-20A MagSDD-20A	G. Sutcliffe B. Pollock J. Davies	11 11 11
17-Feb-20		HED	HED none	AIBS 5 SG8-Flat	BWA PB	PorousEOS-20A AuNLTE-20A XRDEOS-20A-aibs	A. Jenei E. Marley T. Duffy	5.5 11 11
24-Feb-20	PB	DT 60 SG5	Beam Timing	D2 ICF 60 SG5-650		Cryo-20E Preheat-20A	J. Knauer M. Rosenberg	11 11
2-Mar-20		ICF 60 SG5	D3He NLUF 15 SG5	H7-H14 LBS 7 SG8		Calib_nTOF-20A pMagShock-20A SuperionicMix-20A/MutualDiffusivi	C. Forrest T. Johnson M. Millot/T. Doeppner	11 11 11
9-Mar-20		PCryo ICF 20 IDI	HED 40 IDI	HED none		Ejecta-O-20B/CapSeedHDCry MagXRSA-20A RadiShock-20A	A. Saunders & S. All/S. All E. Kemp H. Johns	11 5.5 11
16-Mar-20		HED 50 SG5	HED 50 SG5			EXAFS-Temp-20A SphericalShockRad-20A COVID-19 Stand Down	F. Coppari J. Ruby	5.5 11
23-Mar-20						Safe Standby		
								Days per quarter 22.5

Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign(s)	PI	No. shots
30-Dec-19			Holiday					
6-Jan-20		4UV ICF	4UV HED	4UV ICF		HiZcoatingSphereEP-20A DbiShkMelt-EP-20A ZonePlateRT-EP-20A	M. Karasik Crandall/Zaghoo P. Nilson	7 7 7
13-Jan-20		ICF 60 SG5	4UV HED	4UV ICF		Top9CBET-Transient-J-20B PtDiffEP-20A FoilThicknessEP-20A	D. Edgell M. Ginnane D. Haberberger	3.5 7 7
20-Jan-20	Holiday		4UV ICF	4UV HED		LPlonEP-20A CompPhsTrnsEP-20A UV Timing	M. Rosenberg X. Gong TBD	7 7
27-Jan-20		Target	Laser					
3-Feb-20		Target	2S+UV ICF	2S+2UV LBS		SP LP timing AdvRadEP-20B LsrCapCoilsEP-20A	TBD J. Shaw L. Gao	7 7
10-Feb-20		SL+3UV LBS dds	SL+3UV HED dds	SL+3UV HED dds		LabDynamoEP-20B TinRT-EP-20A MultiProbTechEP-20A	K. Flippo C. Stan S. Palaniyappan	7 7 7
17-Feb-20		2S+2UV NLUF	2S+2UV HED	2S+2UV LBS		ProtonWDM-EP-20A WakefieldEP-20A NucITNSA-EP-20A	F. Albert A. Schwemlein	7 7 7
24-Feb-20		BL+3UV ICF		2S+2UV HED		BFieldLoopEP-20A EjectaEP-20A	B. Pollock A. Saunders/C. Stan	7 7
2-Mar-20		4UV HED		4UV L Net		BBReflectEP-20A MagReconEnergizationEP-20A	B. Henderson W. Fox	7 7
9-Mar-20		4UV HED	4UV HED			TR-XRD-EP-20A ModConsEP-20A COVID-19 Stand Down	R. Benedetti A. Rasmus	7 7
16-Mar-20								
23-Mar-20						Safe Standby		
								Days per quarter 21.5

- Maint & Reconfiguration
- ICF LLE
- Joint Facility Shots
- ICF LLNL/LANL/SNL/NRL
- HED Stockpile Science
- NLUF
- CEA
- System Shots- reduced shot crew
- ARPA-E/DTRA/Rutherford/Other
- Reserved - unfunded
- Contingency
- LBS

- SSG Small Signal Gain, F-Cal
- BWA Blast window assembly replacement
- ICF Inertial Confinement Fusion
- PB Power Balance
- LBS Laboratory Basic Science
- NLUF University Basic Science

- Hash shading indicates beams terminating to OMEGA
- CP Co-prop
- LC OMEGA single beam from lower compressor
- UC OMEGA single beam from upper compressor
- BL EP Backlighter single beam (UC or LC)
- SL EP Sidelighter

OMEGA 3<sup>rd</sup> Quarter

FY20 Omega Schedule

Rev. 28 07 August 2020

OMEGA EP 3rd Quarter

Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign(s)		No. shots
30-Mar-20						Safe Standby		
6-Apr-20						Safe Standby		
13-Apr-20						Safe Standby		
20-Apr-20						Safe Standby		
27-Apr-20						Safe Standby		
4-May-20						Safe Standby		
11-May-20						Safe Standby		
18-May-20	Laser	Laser	Laser	Laser	Laser	System Restart System Restart System Restart	L. Waxer K. Bauer S. Sampat	
25-May-20	Holiday	Laser	Laser	Laser	Target	System Restart System Restart System Restart	L. Waxer K. Bauer S. Sampat	
1-Jun-20		MIFEDS HED 40 IDI	HED 50 SG5	HED 3 SG8	BWA PB	SRSXRay-20A SphericalShockRad-20B FbDiff-20A	P. Poole J. Ruby A. Krygier	5.5 11 5.5
8-Jun-20	PB			DT Cryo 60 SG5-650		LP Clamp Repair Cryo-20F	W. Theobald	11
15-Jun-20		MIFEDS/GJ ICF 9 SG5/M30	DT3He NLUF 30 SG5	HED 37 IDI		LatHeatTrans-20A pProbeHohl-20A ESPADA-20A	Z. Barfield J. Pearcy D. Rusby	11 11 5.5
22-Jun-20		ICF 9 SG5/5 IDI	HED 60 SG5	DT ICF 60 SG5-650		AngResTS-20B HDC-ExPsh-20A KoDI-dev-20B	A. Milder M. Hohenberger H. Rinderknecht	11 5.5 5.5

Days per quarter 7.5

Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign(s)	PI	No. shots
30-Mar-20						Safe Standby		
6-Apr-20						Safe Standby		
13-Apr-20						Safe Standby		
20-Apr-20						Safe Standby		
27-Apr-20						Safe Standby		
4-May-20						Safe Standby		
11-May-20						Safe Standby		
18-May-20		Laser	Laser	Laser		HED fiber investigation HED fiber investigation Amp inspections / PILCs	M. Guardalben M. Guardalben T. Smith	
25-May-20	Holiday		Laser	Laser		SP Spatial Profile SP Spatial Profile Holdoffs	M Barczys M Barczys J. O'Sullivan	
1-Jun-20	Laser	Laser	Target	Target		HED Cal/FCC Tuning Fluence Ramp 4UV Timing	M. Guardalben M Barczys R. Brown	
8-Jun-20		4UV HED	4UV L Net	4UV HED		XRDMelEP-20A XRDEOS-EP-20A HE-XRD-EP-20B	D. Polsin T. Duffy M. Marshall	7 7 7
15-Jun-20		Target	4UV HED	4UV ICF		UV Focus Scan DSMGatGradEP-20A DiamondRefreezeEP-20B	J. O'Sullivan E. Loomis M. Millot	7 7 7
22-Jun-20		4UV AIBS		Laser		DACPlanetEP-20A-aibs	R. Jeanloz	7

Days per quarter 6.0

- Maint & Reconfiguration
- ICF LLE
- Joint Facility Shots
- ICF LLNL/LANL/SNL/NRL
- HED Stockpile Science
- NLUF
- CEA
- System Shots- reduced shot crew
- ARPA-E/DTRA/Rutherford/Other
- Reserved - unfunded
- Contingency
- LBS

- SSG Small Signal Gain, F-Cal
- BWA Blast window assembly replacement
- ICF Inertial Confinement Fusion
- PB Power Balance
- LBS Laboratory Basic Science
- NLUF University Basic Science

- Hash shading indicates beams terminating to OMEGA
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- LC OMEGA single beam from lower compressor
- UC OMEGA single beam from upper compressor
- BL EP Backlighter single beam (UC or LC)
- SL EP Sidelighter

OMEGA 4th Quarter

FY20 Omega Schedule

Rev. 28 07 August 2020

OMEGA EP 4th Quarter

Week Starting	Mon	Tue	Wed	Thur	Fri	Campaign(s)	PI	No. shots
29-Jun-20		PE-P7 HED 6 SG5	Target 60 PD600		Holiday	HiResXImagingDev-20A Focus Scan	P. Nilson M. Heimbueger	11
30 6-Jul-20		Gas Jet ICF 9 SG5/5 IDI	Gas Jet ICF 9 SG5/5 IDI	ICF 60SG5	BWA PB	MBeamCBETSat-J-20B MBeamCBETSat-J-20C 61BeamOMEGA-J-20A	A. Hansen A. Hansen D. Edgell	11 11 11
13-Jul-20	PB		DT Cryo 60 SG5	HED 5 SG8	HED 30 IDI	Cryo-20G EXAFS-Ledge-20B NanoFoam-20A	J. Knauer F. Coppari M. May	11 5.5 5.5
20-Jul-20		D2 LBS 60 SG5	MIFEDS ICF 40 PD600	PCryo HED 14 SG8		ImploSPEC-20A BFieldAmp-20A SapphireCryo-20A/HIZEOS-20A	P. Nilson B. Pollock C. McCoy	11 11 11
27-Jul-20					BWA PB P9-4w			
3-Aug-20	PB	DT Cryo 60 SG5	ICF 60 SG5	P5-P8 AIBS 39 IDI		Cryo-20H DecelLowModes-20A HohraumNeutrons-20A-aibs	J. Knauer R. Shah M. Hohenberger	11 11 11
40 10-Aug-20		HED 36 SG5	ICF 60 SG5	HED 50 SG5-650		NLTFormation-20A LowModeMMI-20A MOEXAFS-20B	D. Bishel R. Shah A. Chin	11 5.5 11
17-Aug-20	Laser	Laser	Laser	Laser	BWA PB	100Gbar - Power Balance 100Gbar - Power Balance 100Gbar - Power Balance	L. Waxer K. Bauer S. Sampat	
24-Aug-20	PB	DT Cryo 40 SG5-650	AIBS 30 SG5	HED 50 SG5		Cryo-20I PlonFront-20A-aibs SphericalShockRad-20B	W. Theobald C. Kuranz / H. LeFevr J. Ruby	11 11 11
40 31-Aug-20		NLUF 20 IDI	LDRD none	HED 50 SG5		HotEScale_20A HEDB-20A EXAFS-Temp-20B	C. Krauland K. Flippo A. Coleman	11 11 5.5
7-Sep-20	Holiday		D2 AIBS 60 SG5	LBS 50 SG5	BWA PB P9-2w	p11B-20A-aibs XRPartVelocity-20A	B. Srinivasan A. Gleason	11 11
20 14-Sep-20	PB	DT Cryo 60 SG5	RAL 60 SG5	MIFEDS/GJ ICF 9 SG5/M30	HED 40 IDI	Cryo-20J UKKinetics-20A LatHeatTrans-20B SRSXray-20B	J. Knauer R. Scott Z. Barfield P. Poole	11 11 11 5.5
21-Sep-20		D2 LBS 60 SG5	PCryo LBS 7 SG8	ICF 39 SG5	H7-H14 LBS 12 SG8-Flat	CNO-20A MutualDiffusivity-20B Revolver-20B XRDaIloy-20B	A. Zylstra T. Doepfner B. Scheiner R. Smith	11 5.5 11 5.5

Starting	Mon	Tue	Wed	Thur	Fri	Campaign(s)	PI	No. shots
29-Jun-20		Target dds	2S+UV ICF dds		Holiday	SP / UV Timing CapillaryXRayEP-20B	R. Brown N. Lemos	7
6-Jul-20		TOP-9 ICF	TOP-9 ICF	TOP-9 ICF		MBeamCBETSat-J-20B MBeamCBETSat-J-20C 61BeamOMEGA-J-20A	A. Hansen A. Hansen D. Edgell	3.5 3.5 3.5
13-Jul-20		co-prop AIBS dds		co-prop NLUF dds		HotEScale-EP-20A MagLPI-EP-20A-aibs	C. Krauland M. Manuel	7 7
20-Jul-20		4UV HED	4UV ICF	4UV NLUF		DiaFlyerDD-EP-20A FoilThicknessEP-20B PhotoPlasma-EP-20B	F. Coppari D. Haberberger R. Mancini	7 7 7
27-Jul-20		2S+UV LBS	2S+2UV NLUF	2S+2UV ICF		WakefieldLBS-EP-20A RelRecon-EP-20B ReleaseImprintEP-20A	F. Albert K. Krushelnick D. Haberberger	7 7 7
3-Aug-20		2S+2UV NLUF	Laser	co-prop AIBS dds		DirectLaserAccel-EP-20B CoProp FSM TurboXPCI-EP-20A-aibs	L. Willingale W. Theobald	7 7
10-Aug-20		2S+UV ICF dds	2S+2UV HED dds	2S+UV HED dds		MeV-CPC-EP-20A EjectaEP-20B MeVGammaEP-20A	N. Lemos A. Saunders N. Lemos	7 7 7
17-Aug-20								
24-Aug-20		4UV ICF	4UV HED	4UV HED		BFieldLoopEP-20B DVM-EP-20A CHMultiEP-20A	B. Pollock A. Rasmus Z. Sprowal	7 7 7
31-Aug-20		SL+3UV HED dds	SL+3UV HED dds	SL+3UV HED dds		TinRT-EP-20B HeatEOS-EP-20A MultiProbeTechEP-20B	C. Stan S. Jiang S. Palaniyappan	7 7 7
7-Sep-20	Holiday		2S+UV LBS dds	2S+UV HED dds		PairPlasmaEP-20A DoubleHEBL-EP-20A	H. Chen S. Khan	7 7
14-Sep-20		2SP+2UV L Net	2SP+2UV L Net	2S+UV ICF		IonAccelEP-20A MagReconPlasmaBetaEP-20A DNBeamsEP-20A	J. Kim H. Ji G. Scott	7 7 7
21-Sep-20		2S+UV ICF	2S+UV ICF	2S+UV ICF		PlasmaLens-EP-20B ReleaseImprintEP-20B SiBLDevEP-20B	J. Shaw D. Haberberger C. Stoeckl	7 7 7

Days per quarter Scheduled 28.5  
81.0

Days per quarter Scheduled 29.5  
79.0

- Maint & Reconfiguration
- ICF LLE
- Joint Facility Shots
- ICF LLNL/LANL/SNL/NRL
- HED Stockpile Science
- NLUF
- CEA
- System Shots- reduced shot crew
- ARPA-E/DTRA/Rutherford/OFES/LNet/APL/Other
- Reserved - unfunded
- Contingency
- LBS
- SSG Small Signal Gain, F-Cal
- BWA Blast window assembly replacement
- ICF Inertial Confinement Fusion
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