

MTW  
3rd Quarter

FY25 MTW Facility Calendar

| Revision 3 April 7, 2025 |     |     |               |         |     |                                              |                             |                                               |
|--------------------------|-----|-----|---------------|---------|-----|----------------------------------------------|-----------------------------|-----------------------------------------------|
| Week Starting            | Mon | Tue | Wed           | Thur    | Fri | Campaign<br>(Additional Activities)          | PI<br>(Additional Support)  | Sub-Systems<br>(Key Vacations)                |
| 31-Mar-25<br>Demo        |     |     | Maint         |         |     | Maintenance                                  | I. Begishev                 |                                               |
| 7-Apr-25<br>Demo         |     |     | UGC           |         |     | UDP Gas Cell                                 | C. Arrowsmith<br>(JS)       | TBWP, CLARA, OPCPA,<br>MTW GCC, UDPTC         |
| 14-Apr-25<br>Demo        |     |     | UGC           |         |     | UDP Gas Cell                                 | C. Arrowsmith<br>(JS)       | TBWP, CLARA, OPCPA,<br>MTW GCC, UDPTC<br>(IB) |
| 21-Apr-25<br>Demo        |     |     | SMI           |         |     | Spherical Multilayer Imager                  | C. Stoeckl<br>(IB,CM,ND)    | TBWP, CLARA, OPCPA, RA, DA,<br>MTW GCC, STC   |
| 28-Apr-25<br>Demo        |     |     | NTNSA         |         |     | Nuclear Target Normal<br>Sheath Acceleration | A. Schwemmlin<br>(IB,CM,ND) | TBWP, CLARA, OPCPA, RA, DA,<br>MTW GCC, STC   |
| 5-May-25<br>Demo         |     |     | DLWFA         |         |     | Dephasingless Laser<br>Wake Field            | C. Arrowsmith<br>(IB, JS)   | MTW SE, UDPTC                                 |
| 12-May-25                |     |     | DLWFA<br>prep |         |     | DLWFA prep                                   | I. Begishev                 | TBWP, CLARA, OPCPA, RA, DA,                   |
| 19-May-25                |     |     | DLWFA         |         |     | Dephasingless Laser<br>Wake Field            | C. Arrowsmith<br>(IB, JS)   | TBWP, CLARA, OPCPA, RA, DA,<br>MTW GCC, UDPTC |
| 26-May-25                |     |     | DLWFA         |         |     | Dephasingless Laser<br>Wake Field            | C. Arrowsmith<br>(IB, JS)   | TBWP, CLARA, OPCPA, RA, DA,<br>MTW GCC, UDPTC |
| 2-Jun-25                 |     |     | SHG Thin      |         |     | SHG Thin                                     | I. Begishev                 | TBWP, CLARA, OPCPA,<br>MTW GCC                |
| 9-Jun-25                 |     |     | PLD           |         |     | Pulsed Laser Damage                          | K. Swanson                  | TBWP, CLARA, OPCPA,<br>RA, DA, MTW GCC, CTC   |
| 16-Jun-25                |     |     | Maint         | Holiday |     | Maintenance                                  | I. Begishev                 | (IB)                                          |
| 23-Jun-25                |     |     | PLD           |         |     | Pulsed Laser Damage                          | K. Swanson                  | TBWP, CLARA, OPCPA,<br>RA, DA, MTW GCC, CTC   |

|  |                                     |
|--|-------------------------------------|
|  | 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  
3rd Quarter

| Week Starting     | Mon | Tue | Wed           | Thur    | Fri | Campaign<br>(Additional Activities)        | PI<br>(Additional Support) | Sub-Systems<br>(Key Vacations)         |
|-------------------|-----|-----|---------------|---------|-----|--------------------------------------------|----------------------------|----------------------------------------|
| 31-Mar-25<br>Demo |     |     | N1 Enc        |         |     | N1 enclosure install                       | S. Bucht<br>(RR, ND)       | UFE                                    |
| 7-Apr-25<br>Demo  |     |     | N1 Enc        |         |     | N1 Enclosure install                       | S. Bucht<br>(RR, ND)       | UFE                                    |
| 14-Apr-25<br>Demo |     |     | Net Up        |         |     | Network Rack<br>upgrade                    | C. Mileham<br>(RR)         | (BW)                                   |
| 21-Apr-25<br>Demo |     |     |               | C-Ped   |     | Contrast Post Pedestal                     | B. Webb<br>(RR)            | UFE, CLARA, N4, DCP<br>(NSF OPAL CDR)  |
| 28-Apr-25<br>Demo |     |     | C-Ped         |         |     | Contrast Post Pedestal                     | B. Webb<br>(RR)            | UFE, CLARA, N4, DCP                    |
| 5-May-25<br>Demo  |     |     | DLWFA         |         |     | Dephasingless Laser<br>Wake Field          | C. Arrowsmith<br>(RR, JS)  | UFE, CLARA, N4,<br>OPALGCC             |
| 12-May-25         |     |     | DLWFA<br>prep |         |     | DLWFA prep                                 |                            | UFE, CLARA, N4, N5seed                 |
| 19-May-25         |     |     | DLWFA         |         |     | Dephasingless Laser<br>Wake Field          | C. Arrowsmith<br>(RR, JS)  | UFE, CLARA, N4, N5amp<br>OPALGCC       |
| 26-May-25         |     |     | DLWFA         |         |     | Dephasingless Laser<br>Wake Field          | C. Arrowsmith<br>(RR, JS)  | UFE, CLARA, N4, N5amp<br>OPALGCC       |
| 2-Jun-25          |     |     | PMD           |         |     | Plasma Mirror Dev.                         | C. Jeon                    | UFE, CLARA, N4, AVC                    |
| 9-Jun-25          |     |     | PMD           |         |     | Plasma Mirror Dev.                         | C. Jeon                    | UFE, CLARA, N4, AVC                    |
| 16-Jun-25         |     |     | Maint         | Holiday |     |                                            |                            |                                        |
| 23-Jun-25         |     |     | ARPEE         |         |     | Abberation Retrieval<br>(pending approval) | A. Raymond<br>(CJ)         | UFE, CLARA, N4, N5amp<br>OPAL GCC, AVC |

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