

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | | |
|---|--|---------|-------------|--------------|--|--|------|--|--|------|--|--|------|--|--|--|--|--|
| | | | | | | | | | | | | | | | | | | |
| 1 LCLS PROJECT - PED & CONSTRUCTION | | | | | | | | | | | | | | | | | | |
| 1.05 X-RAY TRANSPORT & DIAGNOSTICS SYSTEMS | | | | | | | | | | | | | | | | | | |
| XT_RB | START: Rebaseline Activities in XTOD | 0 | 02/01/08A | | PMSTART | XT1111030, XT1111040, XT1112010, XT1112030, XT1112060, XT12100020, | | | | | | | | | | | | |
| MS3_XT060 | AWARD: HE Mirror Substrate | 0 | | 03/03/08A | XT14272680 | | | | | | | | | | | | | |
| MS3_XT030 | Fixed Mask Ready to Ship to SLAC | 0 | | 11/18/08A | XT1422175 | | | | | | | | | | | | | |
| MS3_XT025 | Gas/Solid Attenuator Ready to Ship to SLAC | 0 | | 12/31/08A | XT1425225 | | | | | | | | | | | | | |
| MS3_XT100 | XT Start Phase 1 FEE Installation | 0 | 03/12/09A | | S8X6_FE065 | MS2_XT100 | | | | | | | | | | | | |
| MS2_XT100 | XT Start FEE Installation | 0 | | 03/12/09A | MS3_XT100 | | | | | | | | | | | | | |
| MS3_XT110 | XT Start Phase 2 FEE Installation | 0 | 03/23/09A | | S8X6_FE066 | | | | | | | | | | | | | |
| MS3_XT070 | XT Start NEH Installation | 0 | | 03/31/09* | S8X7_NH066, XT1331190 | | | | | | | | | | | | | |
| MS3_XT120 | XT Start Phase 3 FEE Installation | 0 | 04/01/09* | | S8X6_FE067, XT122B0065, XT122C0065, XT1327060, XT1545090 | | | | | | | | | | | | | |
| MS3_XT130 | XT Start Phase 4 FEE Installation | 0 | 04/01/09* | | S8X6_FE068, XT122D0065 | | | | | | | | | | | | | |
| MS3_XT050 | XT Start Tunnel Installation | 0 | 04/27/09* | | S8X8_XT065, XT1340190 | MS2_XT050 | | | | | | | | | | | | |
| MS3_XT000 | FEE Install/Check Complete | 0 | | 05/21/09* | S8X6_FE120, XE1610010, XE1610020, XT1320160 | | | | | | | | | | | | | |
| MS2_XT050 | XT Start Tunnel Installation | 0 | | 05/27/09* | MS3_XT050 | | | | | | | | | | | | | |
| MS3_XT005 | Start FEE Commissioning with Beam | 0 | 06/05/09* | | S8Z3_CM085 | MS2_XT005 | | | | | | | | | | | | |
| MS2_XT005 | Start FEE Commissioning with Beam | 0 | | 08/06/09* | MS3_XT005 | | | | | | | | | | | | | |
| MS3_XT080 | XT Start FEH Installation | 0 | | 08/17/09* | S8X9_FH066, XT1351135, XT1351190 | | | | | | | | | | | | | |
| MS3_XT071 | TUN/FEH Install/Check Complete | 0 | | 12/03/09* | S8X9_FH130, XE1630020, XE1639900, XE1649900, XE1912630, | | | | | | | | | | | | | |
| MS3_XT075 | First X-Rays into FEH | 0 | | 01/29/10* | S8Z3_CM200, XE12120240, XE12717091, XE12717101, | MS2_XT075 | | | | | | | | | | | | |
| MS2_XT075 | First X-Rays into FEH | 0 | | 02/26/10* | MS3_XT075 | | | | | | | | | | | | | |
| XT_LOE | COMP: X-Ray Transport LOE Tasks | 0 | | 07/30/10 | XT1111050, XT1111060, XT1112070, XT1113010*, XT1113020, | | | | | | | | | | | | | |
| 1.05.01 System Management & Integration | | | | | | | | | | | | | | | | | | |
| 1.05.01.01 Management | | | | | | | | | | | | | | | | | | |
| 1.05.01.01.01 XTOD Management - Technical | | | | | | | | | | | | | | | | | | |
| XT1111030 | Management & Oversight - Feb08 thru Mar08 | 0* | 02/01/08A | 03/31/08A | XT_RB | XT1111032, XT1111035 | | | | | | | | | | | | |
| XT1111040 | Facility Usage Charge thru FY08 | 0 | 02/01/08A | 09/30/08A | XT_RB | XT1111050 | | | | | | | | | | | | |

Start Date 07/19/06
 Finish Date 07/30/10
 Data Date 04/01/09
 Run Date 04/29/09 15:17

 Early Bar
 Progress Bar
 Critical Activity

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | | |
|--|--|---------|-------------|--------------|---|--|------|--|--|------|--|--|------|--|--|--|--|--|
| | | | | | | | | | | | | | | | | | | |
| 1.05.01.01.01 XTOD Management - Technical | | | | | | | | | | | | | | | | | | |
| XT1111032 | Management & Oversight - Apr08 thru Sep08 | 0 | 05/01/08A | 09/30/08A | XT1111030 | XT1111035, XT1111060 | | | | | | | | | | | | |
| XT1111035 | Management & Oversight - Oct08 | 0 | 10/01/08A | 10/31/08A | XT1111030, XT1111032 | XE2100100 | | | | | | | | | | | | |
| XT1111050 | Facility Usage Charge FY09/FY10 | 0* | 10/01/08A | 01/30/09A | XT1111040 | XT_LOE | | | | | | | | | | | | |
| XT1111060 | Design Integration | 130 | 05/01/09* | 10/30/09 | XT1111032 | XT_LOE | | | | | | | | | | | | |
| 1.05.01.01.02 LLNL Project Support | | | | | | | | | | | | | | | | | | |
| XT1112060 | SLAC Indirects on LLNL Contract - FY08 | 0 | 02/01/08A | 02/29/08A | XT_RB | XT1112070, XT1113020, XT1113030 | | | | | | | | | | | | |
| XT1112010 | Administrative/Database Support thru FY08 | 0 | 02/01/08A | 09/30/08A | XT_RB | XT1113010 | | | | | | | | | | | | |
| XT1112030 | Project Support M&S thru FY08 | 0 | 02/01/08A | 09/30/08A | XT_RB | XT1112070, XT1113020, XT1113030 | | | | | | | | | | | | |
| XT1112040 | FEE/NEH Shipping M&S (LLNL to SLAC) | 65* | 07/14/08A | 06/30/09 | XT1421170 | S8X6_FE078 | | | | | | | | | | | | |
| XT1113020 | Teleconference/Comp FY09/FY10 | 0* | 10/01/08A | 01/30/09A | XT1112030, XT1112060 | XT_LOE | | | | | | | | | | | | |
| XT1113010 | Administrative/Database Support FY09/FY10 | 344* | 10/01/08A | 07/30/10 | XT1112010, XT12100080, XT12100090, XT12100100, | XT_LOE* | | | | | | | | | | | | |
| XT1113030 | Project Support M&S FY09/FY10 | 344* | 10/01/08A | 07/30/10 | XT1112030, XT1112060, XT1310010, XT1310020, XT1310025 | XT_LOE* | | | | | | | | | | | | |
| XT1110XT13 | Shipping Cost - Wall 1 & 2 | 1 | 11/04/08A | 04/01/09 | S8X6_FE010, XT1325200 | XT1325560 | | | | | | | | | | | | |
| XT1112070 | SLAC Indirects on LLNL Contract - FY09 | 0 | 01/02/09A | 01/30/09A | XT1112030, XT1112060 | XT_LOE | | | | | | | | | | | | |
| XT1112050 | TUN/FEH Shipping M&S (LLNL to SLAC) | 0 | 02/02/09A | 02/27/09A | XT1340200 | S8X9_FH070 | | | | | | | | | | | | |
| XT1113040 | Procurement Support - Beam Stop | 11 | 03/02/09A | 04/15/09 | XT1328100 | XT1328120 | | | | | | | | | | | | |
| XT1120XT13 | Shipping Cost - Shadow Wall | 5 | 05/14/09 | 05/20/09 | S8X6_FE010, XT1327100*, XT1327120 | XT1327140* | | | | | | | | | | | | |
| 1.05.02 Controls | | | | | | | | | | | | | | | | | | |
| 1.05.02.01 Controls | | | | | | | | | | | | | | | | | | |
| XT12280050 | Rack/Component Assembly - FEE Total Energy Monit | 0 | 02/01/08A | 02/08/08A | XT12280030 | XT12280060 | | | | | | | | | | | | |
| XT12220030 | Detailed Hardware Layout - FEE/EBD Vacuum | 0 | 02/01/08A | 02/29/08A | XT_RB | XT12220050, XT12220055 | | | | | | | | | | | | |
| XT12250060 | Unit Testing - FEE Attenuator | 0 | 02/01/08A | 02/29/08A | XT_RB | XT12250070, XT12260070, XT1425205 | | | | | | | | | | | | |
| XT12260060 | Unit Testing - FEE Gas Detector | 0 | 02/01/08A | 02/29/08A | XT12260010 | XT12250070, XT12260070, XT1536200 | | | | | | | | | | | | |
| XT12270050 | Rack/Component Assembly - FEE Direct Imager | 0 | 02/01/08A | 02/29/08A | XT12270030 | XT12270060, XT122B0050, XT122C0050, XT122D0050 | | | | | | | | | | | | |
| XT12100110 | Misc Controls Equipment Procurements (Liens) | 0 | 02/01/08A | 03/31/08A | XT_RB | XT1113010 | | | | | | | | | | | | |
| XT12250050 | Controls Development - FEE Attenuator | 0 | 02/01/08A | 04/30/08A | XT_RB | XT12250070 | | | | | | | | | | | | |
| XT12270010 | SLAC Development - FEE Direct Imager | 0 | 02/01/08A | 04/30/08A | XT_RB | XT12270060 | | | | | | | | | | | | |
| XT12270030 | Detailed Hardware Layout - FEE Direct Imager | 0 | 02/01/08A | 04/30/08A | XT_RB | XT12270050, XT12270055 | | | | | | | | | | | | |
| XT12280030 | Detailed Hardware Layout - FEE Total Energy Moni | 0 | 02/01/08A | 04/30/08A | XT_RB | XT12280050, XT12280055 | | | | | | | | | | | | |
| XT122A0030 | Detailed Hardware Layout - FEE Soft X-Ray Imager | 0 | 02/01/08A | 04/30/08A | XT_RB | XT122A0080 | | | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | |
|----------------------------|---|---------|-------------|--------------|---|--|------|--|--|------|--|--|------|--|--|--|--|
| | | | | | | | | | | | | | | | | | |
| 1.05.02.01 Controls | | | | | | | | | | | | | | | | | |
| XT122D0020 | Hardware Specification - FEE Pop-Ins | 0 | 02/01/08A | 04/30/08A | XT_RB | XT122D0010, XT122D0030, XT122D0040 | ■ | | | | | | | | | | |
| XT122A0060 | Unit Testing - FEE Soft X-Ray Imager | 0 | 02/01/08A | 05/30/08A | XT_RB | XT12290070, XT122A0070, XT1546200 | ■ | | | | | | | | | | |
| XT12220050 | Rack/Component Assembly - FEE/EBD Vacuum | 0 | 02/01/08A | 06/09/08A | XT12220030 | XT12220060 | ■ | | | | | | | | | | |
| XT12270055 | Cabling/Network - FEE Direct Imager | 0 | 02/01/08A | 06/13/08A | XT12270030 | XT12270060, XT122B0050, XT122C0050, XT122D0050 | ■ | | | | | | | | | | |
| XT12280055 | Cabling/Network - FEE Total Energy Monit | 0 | 02/01/08A | 06/13/08A | XT12280030 | XT12280060 | ■ | | | | | | | | | | |
| XT12220055 | Cabling/Network - FEE/EBD Vacuum | 0 | 02/01/08A | 06/30/08A | XT12220030 | XT12220060 | ■ | | | | | | | | | | |
| XT12290030 | Detailed Hardware Layout - FEE K-Measurement | 0 | 02/01/08A | 06/30/08A | XT_RB | XT12290080 | ■ | | | | | | | | | | |
| XT12100060 | Design/Layout Management (100hrs/mo) - EA | 0* | 02/01/08A | 07/31/08A | XT_RB | XT12100064 | ■ | | | | | | | | | | |
| XT12260010 | SLAC Development - FEE Gas Detector | 0 | 02/01/08A | 08/29/08A | XT_RB | XT12260060 | ■ | | | | | | | | | | |
| XT12100050 | Design/Layout Management (120hrs/mo) - SAL | 0 | 02/01/08A | 09/30/08A | XT_RB | XT12100055 | ■ | | | | | | | | | | |
| XT12100080 | Design/Layout Engrng/Management - BA | 0 | 02/01/08A | 10/01/08A | XT_RB | XT1113010 | ■ | | | | | | | | | | |
| XT12100090 | Design/Layout Support | 0 | 02/01/08A | 10/01/08A | XT_RB | XT1113010 | ■ | | | | | | | | | | |
| XT122B0030 | Detailed Hardware Layout - FEE SOMS | 0 | 02/01/08A | 10/14/08A | XT_RB | XT122B0050 | ■ | | | | | | | | | | |
| XT122C0030 | Detailed Hardware Layout - FEE HOMS | 0 | 02/01/08A | 10/14/08A | XT_RB | XT122C0050 | ■ | | | | | | | | | | |
| XT12100020 | EPICS Development | 0 | 02/01/08A | 10/29/08A | XT_RB | XT122C0090 | ■ | | | | | | | | | | |
| XT12290010 | SLAC Development - FEE K-Measurement | 0 | 02/01/08A | 10/29/08A | XT_RB | XT12290060 | ■ | | | | | | | | | | |
| XT122D0030 | Detailed Hardware Layout - FEE Pop-Ins | 0 | 02/01/08A | 01/30/09A | XT122D0020 | XT122D0050 | ■ | | | | | | | | | | |
| XT12270060 | Unit Testing - FEE Direct Imager | 0 | 03/03/08A | 03/31/08A | XT12270010, XT12270050, XT12270055 | XT12270070, XT1531200 | ■ | | | | | | | | | | |
| XT12280060 | Unit Testing - FEE Total Energy Monitor | 0 | 03/03/08A | 03/31/08A | XT12280050, XT12280055 | XT12280070, XT1542200 | ■ | | | | | | | | | | |
| XT12290060 | Unit Testing - FEE K-Measurement | 0 | 03/03/08A | 04/30/08A | XT12290010 | XT12100085, XT12290070, XT1546360 | ■ | | | | | | | | | | |
| XT12100100 | Misc Controls Equipment Procurements | 0 | 03/03/08A | 03/31/09A | XT_RB | XT1113010 | ■ | | | | | | | | | | |
| XT12240070 | Integrate/Test @ LLNL - FEE Fixed Mask/Slit | 0 | 03/18/08A | 12/19/08A | XT1423155 | XT12240080, XT1422180, XT1423180 | ■ | | | | | | | | | | |
| XT122D0010 | SLAC Development - FEE Pop-Ins | 0 | 04/01/08A | 04/30/08A | XT122D0020 | XT122D0060 | ■ | | | | | | | | | | |
| XT12250070 | Integrate/Test @ LLNL - FEE Attenuator | 0 | 04/01/08A | 12/19/08A | XT12250050, XT12250060, XT12260060, XT1425200 | XT1425225 | ■ | | | | | | | | | | |
| XT122A0070 | Integrate/Test @ LLNL - FEE Soft X-Ray Imager | 0 | 05/01/08A | 05/29/08A | XT122A0060 | XT1546210 | ■ | | | | | | | | | | |
| XT12310010 | Procure: NEH Racks (by SLAC) | 0 | 05/01/08A | 05/30/08A | PMSTART | XT12320050, XT12340050 | ■ | | | | | | | | | | |
| XT12230070 | Integrate/Test @ LLNL - FEE Fast Valve | 0 | 05/01/08A | 06/30/08A | XT1421145 | XT12230080, XT1421170 | ■ | | | | | | | | | | |
| XT12340020 | Hardware Specification - NEH Pop-Ins | 0 | 05/30/08A | 06/30/08A | MS_260, XT_RB | XT12340030 | ■ | | | | | | | | | | |
| XT12430020 | Hardware Specification - TUN Pop-Ins | 0 | 05/30/08A | 06/30/08A | MS_260, XT_RB | XT12430030 | ■ | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | |
|----------------------------|--|---------|-------------|--------------|--|------------------------|------|--|--|------|--|--|------|--|--|--|--|
| | | | | | | | | | | | | | | | | | |
| 1.05.02.01 Controls | | | | | | | | | | | | | | | | | |
| XT12260070 | Integrate/Test @ LLNL - FEE Gas Detector | 0 | 05/30/08A | 09/10/08A | XT12250060, XT12260060, XT1536195 | XT12320030, XT1536210 | | | | | | | | | | | |
| XT12520020 | Hardware Specification - FEH Vacuum | 0 | 05/30/08A | 01/15/09A | MS_260, XT_RB | XT12520030 | | | | | | | | | | | |
| XT12320030 | Detailed Hardware Layout - NEH Vacuum | 10 | 06/02/08A | 04/14/09 | XT12260070, XT_RB | XT12320040, XT12320050 | | | | | | | | | | | |
| XT12220070 | Integrate/Test @ LLNL - FEE/EBD Vacuum | 0 | 06/16/08A | 11/26/08A | XT12220060 | XT12220080, XT1320220 | | | | | | | | | | | |
| XT12220060 | Unit Testing - FEE/EBD Vacuum | 0 | 06/23/08A | 06/27/08A | XT12220050, XT12220055 | XT12220070, XT1320200 | | | | | | | | | | | |
| XT12340030 | Detailed Hardware Layout - NEH Pop-Ins | 5 | 06/30/08A | 04/07/09 | XT12340020 | XT12340040, XT12340050 | | | | | | | | | | | |
| XT12430030 | Detailed Hardware Layout - TUN Pop-Ins | 10 | 06/30/08A | 04/14/09 | XT12420050, XT12430020 | XT12430040, XT12430050 | | | | | | | | | | | |
| XT12230080 | Ship to SLAC - FEE Fast Valve Controls | 0 | 07/02/08A | 07/09/08A | XT12230070, XT1421160 | XT12230090 | | | | | | | | | | | |
| XT12280070 | Integrate/Test @ LLNL - FEE Total Energy Monitor | 0 | 07/28/08A | 03/31/09A | XT12280060, XT1542195 | XT12280080, XT1542230 | | | | | | | | | | | |
| XT12340040 | Procure: NEH Pop-Ins Components | 0 | 07/28/08A | 03/31/09A | XT12340030 | XT12340050 | | | | | | | | | | | |
| XT12270070 | Integrate/Test @ LLNL - FEE Direct Imager | 0 | 08/01/08A | 01/26/09A | XT12270060, XT1531199 | XT12270080, XT1531230 | | | | | | | | | | | |
| XT12100064 | Design/Layout Management (100hrs/mo) - EA | 0 | 08/29/08A | 01/30/09A | XT12100060 | XT12100065 | | | | | | | | | | | |
| XT122A0080 | Ship to SLAC - FEE Soft X-Ray Imager Controls | 0 | 10/01/08A | 10/15/08A | MS_260, XT122A0030, XT1546220 | XT122A0090 | | | | | | | | | | | |
| XT122B0050 | Rack/Component Assembly - FEE SOMS | 0 | 10/01/08A | 03/09/09A | MS_260, XT12270050, XT12270055, XT122B0030 | XT122B0060 | | | | | | | | | | | |
| XT12100055 | Design/Layout Management (120hrs/mo) - SAL | 0 | 10/01/08A | 03/30/09A | XT12100050 | XT_LOE | | | | | | | | | | | |
| XT12100070 | Controls Consultant - Kirby | 22 | 10/01/08A | 04/30/09 | XT_6503 | | | | | | | | | | | | |
| XT122C0050 | Rack/Component Assembly - FEE HOMS | 0 | 10/15/08A | 12/19/08A | MS_260, XT12270050, XT12270055, XT122C0030 | XT122C0060 | | | | | | | | | | | |
| XT122A0090 | AVAIL: FEE Soft X-Ray Imager Controls RFI | 0 | | 10/15/08A | XT122A0080 | S8X6_FE076 | | | | | | | | | | | |
| XT122C0060 | Unit Testing - FEE HOMS | 0 | 11/26/08A | 03/02/09A | XT122C0050 | XT122C0070 | | | | | | | | | | | |
| XT122D0050 | Rack/Component Assembly - FEE Pop-Ins | 0 | 11/26/08A | 03/02/09A | MS_260, XT12270050, XT12270055, XT122D0030, XT122D0040 | XT122D0060 | | | | | | | | | | | |
| XT122B0060 | Unit Testing - FEE SOMS | 0 | 11/26/08A | 03/09/09A | XT122B0050 | XT122B0070 | | | | | | | | | | | |
| XT12230090 | AVAIL: Fast Valve Controls RFI | 0 | | 11/26/08A | XT12230080 | S8X5_BD060, S8X5_BD070 | | | | | | | | | | | |
| XT12320040 | Procure: NEH Vacuum Components | 0 | 12/01/08A | 12/19/08A | MS_260, XT12320030 | XT12320050 | | | | | | | | | | | |
| XT122D0060 | Unit Testing - FEE Pop-Ins | 0 | 12/19/08A | 03/02/09A | XT122D0010, XT122D0050 | XT122D0070, XT1545200 | | | | | | | | | | | |
| XT12290070 | Integrate/Test @ LLNL - FEE K-Measurement | 0 | 12/19/08A | 03/06/09A | XT12290060, XT122A0060, XT1546125, XT1546360 | XT1546230 | | | | | | | | | | | |
| XT12220080 | Ship to SLAC - FEE/EBD Vacuum Controls | 0 | 01/27/09A | 02/13/09A | MS_260, XT12220070 | XT12220090 | | | | | | | | | | | |
| XT12240080 | Ship to SLAC - FEE Fixed Mask/Slit Controls | 0 | 01/27/09A | 02/13/09A | MS_260, XT12240070, XT1422170, XT1423170 | XT12240090 | | | | | | | | | | | |
| XT12250080 | Ship to SLAC - FEE Attenuator Controls | 0 | 01/27/09A | 02/13/09A | XT1425220 | XT12250090 | | | | | | | | | | | |
| XT12260080 | Ship to SLAC - FEE Gas Detector Controls | 0 | 01/27/09A | 02/13/09A | XT1536220 | XT12260090 | | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | |
|----------------------------|--|---------|-------------|--------------|--|------------------------------------|------|--|--|------|--|--|------|--|--|--|--|
| | | | | | | | | | | | | | | | | | |
| 1.05.02.01 Controls | | | | | | | | | | | | | | | | | |
| XT12270080 | Ship to SLAC - FEE Direct Imager Controls | 0 | 01/27/09A | 02/13/09A | XT12270070, XT1531220 | XT12270090 | | | | | | | | | | | |
| XT12280080 | Ship to SLAC - FEE Total Energy Monitor Controls | 0 | 01/27/09A | 02/13/09A | MS_260, XT12280070, XT1542220 | XT12280090 | | | | | | | | | | | |
| XT12290080 | Ship to SLAC - FEE K-Measurement Controls | 0 | 01/27/09A | 02/13/09A | XT12290030, XT1546220 | XT12290090 | | | | | | | | | | | |
| XT122D0080 | Ship to SLAC - FEE Pop-Ins Controls | 0 | 01/27/09A | 03/13/09A | MS_260, XT1545210 | XT122D0090 | | | | | | | | | | | |
| XT122B0065 | Start: Integrate/Test - FEE SOMS | 0 | 01/30/09A | | XT122B0070 | MS3_XT120, XT122B0080 | | | | | | | | | | | |
| XT122C0065 | Start: Integrate/Test - FEE HOMS | 0 | 01/30/09A | | XT122C0070 | MS3_XT120, XT122C0080 | | | | | | | | | | | |
| XT122B0070 | Integrate/Test @ LLNL - FEE SOMS | 0 | 01/30/09A | 03/27/09A | XT122B0060, XT14271200 | XT122B0065, XT122B0080, XT14271220 | | | | | | | | | | | |
| XT122C0070 | Integrate/Test @ LLNL - FEE HOMS | 0 | 01/30/09A | 03/27/09A | XT122C0060, XT14272195, XT14272200 | XT122C0065, XT122C0080, XT14272220 | | | | | | | | | | | |
| XT12320045 | Start: Rack/Component Assembly - NEH Vacuum | 0 | 02/02/09A | | XT12320050 | MS3_XE150, XT12320060 | | | | | | | | | | | |
| XT12100065 | Design/Layout Management (50hrs/mo) - EA | 22 | 02/02/09A | 04/30/09 | XT12100064 | XT_LOE | | | | | | | | | | | |
| XT12320050 | Rack/Component Assembly - NEH Vacuum | 0 | 02/03/09A | 03/06/09A | XT12310010, XT12320030, XT12320040 | XT12320045, XT12320060 | | | | | | | | | | | |
| XT12320060 | Unit Testing - NEH Vacuum | 0 | 02/10/09A | 03/06/09A | XT12320045, XT12320050 | XT12320070, XT1331170 | | | | | | | | | | | |
| XT12430040 | Procure: TUN Pop-Ins Components | 0 | 02/13/09A | 05/26/09A | MS_260, XT12430030 | XT12430050 | | | | | | | | | | | |
| XT12220090 | AVAIL: FEE Vacuum Controls RFI | 0 | | 02/13/09A | XT12220080 | S8X6_FE072 | | | | | | | | | | | |
| XT12240090 | AVAIL: FEE Fixed Mask/Slit Controls RFI | 0 | | 02/13/09A | XT12240080 | S8X6_FE072 | | | | | | | | | | | |
| XT12250090 | AVAIL: FEE Attenuator Controls RFI | 0 | | 02/13/09A | XT12250080 | S8X6_FE072 | | | | | | | | | | | |
| XT12260090 | AVAIL: FEE Gas Detector Controls RFI | 0 | | 02/13/09A | XT12260080 | S8X6_FE072 | | | | | | | | | | | |
| XT12270090 | AVAIL: FEE Direct Imager Controls RFI | 0 | | 02/13/09A | XT12270080 | S8X6_FE074 | | | | | | | | | | | |
| XT12280090 | AVAIL: FEE Total Energy Monitor Controls RFI | 0 | | 02/13/09A | XT12280080 | S8X6_FE074 | | | | | | | | | | | |
| XT12290090 | AVAIL: FEE K-Measurement Controls RFI | 0 | | 02/13/09A | XT12290080 | S8X6_FE076 | | | | | | | | | | | |
| XT122D0065 | Start: Integrate/Test - FEE Pop-Ins | 0 | 02/27/09A | | XT122D0070 | MS3_XE150, MS3_XT130, XT1545220 | | | | | | | | | | | |
| XT122D0070 | Integrate/Test @ LLNL - FEE Pop-Ins | 0 | 02/27/09A | 03/02/09A | XT122D0060, XT1545199 | XT122D0065, XT1545220 | | | | | | | | | | | |
| XT122B0080 | Ship to SLAC - FEE SOMS Controls | 0 | 02/27/09A | 03/06/09A | MS_260, XT122B0065, XT122B0070, XT14271210 | XT122B0090 | | | | | | | | | | | |
| XT122C0080 | Ship to SLAC - FEE HOMS Controls | 0 | 02/27/09A | 03/06/09A | MS_260, XT122C0065, XT122C0070, XT14272210 | XT122C0090 | | | | | | | | | | | |
| XT12340060 | Unit Testing - NEH Pop-Ins | 0 | 02/27/09A | 03/06/09A | XT12340045, XT12340050 | XT12340070 | | | | | | | | | | | |
| XT12340070 | Integrate/Test @ LLNL - NEH Pop-Ins | 0 | 02/27/09A | 03/20/09A | XT12340060, XT1545199 | XT12340080 | | | | | | | | | | | |
| XT12340050 | Rack/Component Assembly - NEH Pop-Ins | 0 | 02/27/09A | 03/31/09A | XT12310010, XT12340030, XT12340040 | XT12340045, XT12340060 | | | | | | | | | | | |
| XT12100085 | Design/Support K-Mono | 22 | 03/02/09A | 04/30/09 | XT12290060 | | | | | | | | | | | | |
| XT12100095 | Design Adj Bridge - Total Energy Measurement | 22 | 03/02/09A | 04/30/09 | | XT12520100, XT1542204 | | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | |
|----------------------------|--|---------|-------------|--------------|--------------------------------|--------------------------------------|------|--|--|------|--|--|------|--|--|--|--|
| | | | | | | | | | | | | | | | | | |
| 1.05.02.01 Controls | | | | | | | | | | | | | | | | | |
| XT12100075 | Commissioning Management | 86 | 03/02/09A | 07/30/09 | | | | | | | | | | | | | |
| XT122B0090 | AVAIL: FEE SOMS Controls RFI | 0 | | 03/06/09A | XT122B0080 | S8X6_FE076 | | | | | | | | | | | |
| XT122C0090 | AVAIL: FEE HOMS Controls RFI | 0 | | 03/06/09A | XT12100020, XT122C0080 | S8X6_FE078 | | | | | | | | | | | |
| XT122D0090 | AVAIL: FEE Pop-Ins Controls RFI | 0 | | 03/13/09A | XT122D0080 | S8X6_FE076 | | | | | | | | | | | |
| XT12430070 | Integrate/Test @ LLNL - TUN Pop-Ins | 0 | 03/16/09A | 03/20/09A | XT12430060, XT1545199 | XT12430080 | | | | | | | | | | | |
| XT12520100 | Fab/Deliver Adj Bridge - Total Energy Measuremnt | 22 | 03/18/09A | 04/30/09 | XT12100095 | XT1542206* | | | | | | | | | | | |
| XT12430080 | Ship to SLAC - TUN Pop-Ins Controls | 0 | 03/23/09A | 03/27/09A | XT12430070, XT1545210 | XT12430090 | | | | | | | | | | | |
| XT12340045 | Start: Rack/Component Assembly - NEH Pop-Ins | 0 | 03/27/09A | | XT12340050 | MS3_XE150, XT12340060 | | | | | | | | | | | |
| XT12430090 | AVAIL: TUN Pop-Ins Controls RFI | 0 | | 03/30/09A | XT12430080 | S8X8_XT090 | | | | | | | | | | | |
| XT122D0040 | Procure: FEE Pop-Ins Components | 0 | | 11/26/08A | XT122D0020 | XT122D0050 | | | | | | | | | | | |
| XT12340080 | Ship to SLAC - NEH Pop-Ins Controls | 5 | 04/01/09 | 04/07/09 | XT12340070, XT1545210 | XT12340090* | | | | | | | | | | | |
| XT12520030 | Detailed Hardware Layout - FEH Vacuum | 20 | 04/01/09 | 04/28/09 | MS_260, XT12520020 | XT12520040*, XT12520050 | | | | | | | | | | | |
| XT12420040 | Procure: TUN Vacuum Components | 30 | 04/01/09 | 05/12/09 | MS_260 | XT12420050* | | | | | | | | | | | |
| XT12340090 | AVAIL: NEH Pop-Ins Controls RFI | 0 | | 04/07/09 | XT12340080* | S8X7_NH120 | | | | | | | | | | | |
| XT12430045 | Start: Rack/Component Assembly - TUN Pop-Ins | 0 | 04/22/09 | | XT12430050* | MS3_XE150, XT12430060 | | | | | | | | | | | |
| XT12430050 | Rack/Component Assembly - TUN Pop-Ins | 5 | 04/22/09 | 04/28/09 | XT12430030, XT12430040 | XT12430045*, XT12430060* | | | | | | | | | | | |
| XT12430060 | Unit Testing - TUN Pop-Ins | 5 | 04/29/09 | 05/05/09 | XT12430045, XT12430050* | XT12430070 | | | | | | | | | | | |
| XT1542206 | Test @ LLNL Adj Bridge - Total Energy Measuremnt | 10 | 05/01/09 | 05/14/09 | XT12520100*, XT1542204 | XT1542208* | | | | | | | | | | | |
| XT12520040 | Procure: FEH Vacuum Components | 30 | 05/13/09 | 06/23/09 | XT12520030* | XT12520050* | | | | | | | | | | | |
| XT1542208 | AVAIL: Adj Bridge - Total Energy Measurement | 0 | | 05/14/09 | XT1542206* | S8X6_FE100 | | | | | | | | | | | |
| XT12420045 | Start: Rack/Component Assembly - TUN Vacuum | 0 | 05/27/09 | | XT12420050* | MS3_XE150, XT12420060 | | | | | | | | | | | |
| XT12420050 | Rack/Component Assembly - TUN Vacuum | 10 | 05/27/09 | 06/09/09 | XT12420040* | XT12420045*, XT12420060*, XT12430030 | | | | | | | | | | | |
| XT12420060 | Unit Testing - TUN Vacuum | 10 | 06/10/09 | 06/23/09 | XT12420045, XT12420050* | XT12420070* | | | | | | | | | | | |
| XT12320070 | Integrate/Test @ LLNL - NEH Vacuum | 1 | 06/15/09 | 06/15/09 | XT12320060, XT1331165* | XT12320080*, XT1331200* | | | | | | | | | | | |
| XT12320080 | Ship to SLAC - NEH Vacuum Controls | 1 | 06/16/09 | 06/16/09 | MS_260, XT12320070*, XT1331190 | XT12320090* | | | | | | | | | | | |
| XT12320090 | AVAIL: NEH Vacuum Controls RFI | 0 | | 06/16/09 | XT12320080* | S8X7_NH120 | | | | | | | | | | | |
| XT12520045 | Start: Rack/Component Assembly - FEH Vacuum | 0 | 06/24/09 | | XT12520050* | MS3_XE150, XT12520060 | | | | | | | | | | | |
| XT12420070 | Integrate/Test @ LLNL - TUN Vacuum | 15 | 06/24/09 | 07/15/09 | XT12420060*, XT1340165 | XT12420080*, XT1340200* | | | | | | | | | | | |
| XT12520050 | Rack/Component Assembly - FEH Vacuum | 20 | 06/24/09 | 07/22/09 | XT12520030, XT12520040* | XT12520045*, XT12520060* | | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | | |
|--|---|---------|-------------|--------------|---------------------------------|--|------|--|--|------|--|--|------|--|--|--|--|--|
| | | | | | | | | | | | | | | | | | | |
| 1.05.02.01 Controls | | | | | | | | | | | | | | | | | | |
| XT12420080 | Ship to SLAC - TUN Vacuum Controls | 5 | 07/16/09 | 07/22/09 | XT12420070*, XT1340190 | XT12420090* | | | | | | | | | | | | |
| XT12420090 | AVAIL: TUN Vacuum Controls RFI | 0 | | 07/22/09 | XT12420080* | S8X8_XT090 | | | | | | | | | | | | |
| XT12520060 | Unit Testing - FEH Vacuum | 10 | 07/23/09 | 08/05/09 | XT12520045, XT12520050* | XT12520070* | | | | | | | | | | | | |
| XT12520070 | Integrate/Test @ LLNL - FEH Vacuum | 10 | 08/06/09 | 08/19/09 | XT12520060*, XT1351165 | XT12520080*, XT1351200* | | | | | | | | | | | | |
| XT12520080 | Ship to SLAC - FEH Vacuum Controls | 5 | 08/20/09 | 08/26/09 | XT12520070*, XT1351190 | XT12520090* | | | | | | | | | | | | |
| XT12520090 | AVAIL: FEH Vacuum Controls RFI | 0 | | 08/26/09 | XT12520080* | S8X9_FH100 | | | | | | | | | | | | |
| 1.05.03 Mechanical & Vacuum Subsystem | | | | | | | | | | | | | | | | | | |
| 1.05.03.01 Vacuum Systems Engineering | | | | | | | | | | | | | | | | | | |
| XT1310030 | Procure Valve Pressure Manifolds | 0 | 02/01/08A | 02/29/08A | XT_RB | XT1310032, XT1310035 | | | | | | | | | | | | |
| XT1310025 | Design Support | 0* | 02/01/08A | 06/30/08A | XT_RB | XT1113030 | | | | | | | | | | | | |
| XT1310010 | Configuration Drawing Mgt | 0 | 02/01/08A | 09/30/08A | XT_RB | XT1113030, XT1310015 | | | | | | | | | | | | |
| XT1310020 | Material Mgt | 0 | 02/01/08A | 09/30/08A | XT_RB | XT1113030 | | | | | | | | | | | | |
| XT1310035 | RCV: Valve Pressure Manifolds | 0 | 02/29/08A | 03/31/08A | XT1310030 | XT1310130 | | | | | | | | | | | | |
| XT1310032 | Received - Valve Pressure Manifolds | 0 | | 03/31/08A | XT1310030 | XT1310130 | | | | | | | | | | | | |
| XT1310090 | Bid Prep/Award Rem. Valve Pressure RCVR HRDWR | 0 | 08/20/08A | 01/30/09A | XT_RB | XT1310100 | | | | | | | | | | | | |
| XT1310100 | AWARD: Rem. Valve Pressure RCVR HRDWR | 0 | 10/13/08A | 01/30/09A | XT1310090 | XT1310110 | | | | | | | | | | | | |
| XT1310110 | Fabrication - Rem. Valve Pressure RCVR HRDWR | 0 | 10/13/08A | 01/30/09A | XT1310100 | XT1310120 | | | | | | | | | | | | |
| XT1310130 | Assemble/Test/Ship rem. Valve Pressure RCVR H/W | 0 | 11/10/08A | 02/18/09A | XT1310032, XT1310035, XT1310120 | S8X6_FE072 | | | | | | | | | | | | |
| XT1310120 | RCV: Rem. Valve Pressure RCVR HRDWR | 0 | 02/02/09A | 02/02/09A | XT1310110 | XT1310130 | | | | | | | | | | | | |
| XT1310015 | Configuration Drawing Mgt (FY09) | 43* | 03/02/09A | 05/29/09 | XT1310010 | XT_LOE | | | | | | | | | | | | |
| 1.05.03.02 Mech/Vac Front End | | | | | | | | | | | | | | | | | | |
| XT1320050 | FEE Mech/Vac Early Procurements (Liens) | 0 | 02/01/08A | 04/30/08A | XT_RB | XT1320140, XT1320145 | | | | | | | | | | | | |
| XT1325070 | Prepare requirements - Wall 1 & 2 | 0 | 02/01/08A | 05/16/08A | XT_RB | XT1325080, XT1325110 | | | | | | | | | | | | |
| XT1327000 | Prepare requirements for shadow wall | 0 | 02/01/08A | 06/30/08A | XT_RB | XT1327001, XT1327010, XT1327020 | | | | | | | | | | | | |
| XT1320065 | Prepare ESD - FEE Mech/Vac | 22 | 02/01/08A | 04/30/09 | XT_RB | XT1320090 | | | | | | | | | | | | |
| XT1320070 | Preliminary Engineering/Design - FEE Mech/Vac | 22 | 02/01/08A | 04/30/09 | XT_RB | XT1320140, XT1320145, XT1331065, XT1331070 | | | | | | | | | | | | |
| XT1325080 | Prepare ESD - Wall 1 & 2 | 0 | 03/10/08A | 03/31/09A | XT1325070, XT1325110 | XT1325090, XT1325130, XT1325140 | | | | | | | | | | | | |
| XT1325110 | Preliminary Engineering/Design - Wall 1 & 2 | 0 | 03/17/08A | 09/12/08A | XT1325070 | XT1325080, XT1325130, XT1325135 | | | | | | | | | | | | |
| XT1327001 | Concept/Prelim Engr/Design - Shadow Wall | 0 | 03/17/08A | 02/13/09A | XT1327000 | XT1327010, XT1327030, XT1327070 | | | | | | | | | | | | |
| XT1327020 | Prepare Safety Note - Shadow Wall | 0 | 06/16/08A | 03/13/09A | XT1327000 | XT1327040 | | | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | |
|--------------------------------------|--|---------|-------------|--------------|---|----------------------------------|------|--|--|------|--|--|------|--|--|--|--|
| | | | | | | | | | | | | | | | | | |
| 1.05.03.02 Mech/Vac Front End | | | | | | | | | | | | | | | | | |
| XT1325090 | Prepare Safety Note - Wall 1 & 2 | 0 | 06/23/08A | 12/31/08A | XT1325080 | XT1325155 | | | | | | | | | | | |
| XT1325135 | Final Design - Wall 1 & 2 | 0 | 07/07/08A | 03/13/09A | XT1325110 | XT1325130, XT1325155 | | | | | | | | | | | |
| XT1325130 | Preliminary Design Review - Wall 1 & 2 | 0 | 09/02/08A | 09/30/08A | XT1325080, XT1325110, XT1325135 | XT1325150 | | | | | | | | | | | |
| XT1325145 | Start Bid Prep. - Wall 1 & 2 | 0 | 09/15/08A | | XT1325140 | XT1325160 | | | | | | | | | | | |
| XT1325140 | Bid Prep/RFP - Wall 1 & 2 | 8 | 09/15/08A | 04/10/09 | XT1325080 | XT1325145, XT1325160* | | | | | | | | | | | |
| XT1320145 | Seismic Design/Analysis - FEE Mech/Vac | 43* | 09/15/08A | 05/29/09 | XT1320050, XT1320070 | XT1320080*, XT1320150* | | | | | | | | | | | |
| XT1325150 | COMP: PDR - Wall 1 & 2 | 0 | | 09/30/08A | XT1325130 | XT1325160, XT1325160 | | | | | | | | | | | |
| XT1327010 | Prepare ESD - Shadow Wall | 8 | 10/01/08A | 04/10/09 | XT1327000, XT1327001 | XT_LOE | | | | | | | | | | | |
| XT1320170 | Bid Prep/RFP/Award - FEE Mech/Vac | 43* | 10/01/08A | 05/29/09 | | XT1320180* | | | | | | | | | | | |
| XT1325170 | Fab/Deliver - Wall 1 | 0 | 10/20/08A | 10/31/08A | XT1325160, XT1325160 | XT1325175 | | | | | | | | | | | |
| XT1325155 | Final Design Review - Wall 1 & 2 | 0 | 10/20/08A | 03/31/09A | XT1325090, XT1325135 | XT1325160 | | | | | | | | | | | |
| XT1325160 | AWARD: Wall 1 & 2 | 8* | 10/20/08A | 04/10/09 | MS_260, XT1325140*, XT1325145, XT1325150, XT1325150, XT1325155, | XT1325170, XT1325170, XT1325510* | | | | | | | | | | | |
| XT1325175 | RCV: Wall 1 | 0 | 10/31/08A | 10/31/08A | XT1325170 | XT1325180 | | | | | | | | | | | |
| XT1325180 | Assemble @ LLNL - Wall 1 | 0 | 10/31/08A | 10/31/08A | XT1325175 | XT1325190 | | | | | | | | | | | |
| XT1325210 | Ship to SLAC - Wall 1 | 0 | 10/31/08A | 10/31/08A | S8X6_FE010, XT1325200 | XT1325220 | | | | | | | | | | | |
| XT1325220 | AVAIL: Wall 1 Shielding | 0 | | 10/31/08A | XT1325210 | S8X5_BD060, S8X6_FE072 | | | | | | | | | | | |
| XT1320210 | Readiness Review - FEE Mech/Vac | 0 | 11/17/08A | 11/18/08A | | XT1320215 | | | | | | | | | | | |
| XT1325190 | Readiness Review - Wall 1 | 0 | 11/17/08A | 11/18/08A | XT1325180 | XT1325200 | | | | | | | | | | | |
| XT1325530 | Readiness Review - Wall 2 | 0 | 11/17/08A | 11/18/08A | | XT1325540 | | | | | | | | | | | |
| XT1327110 | Readiness Review - Shadow Wall | 0 | 11/17/08A | 11/18/08A | | XT1327120 | | | | | | | | | | | |
| XT1320300 | Design - Diff. Pump Aperture | 22 | 11/17/08A | 04/30/09 | | XT1320302*, XT1320304 | | | | | | | | | | | |
| XT1320215 | COMP: Readiness Review - FEE Mech/Vac | 0 | | 11/18/08A | XT1320210 | XT1320220 | | | | | | | | | | | |
| XT1325200 | COMP: Readiness Review - Wall 1 | 0 | | 11/18/08A | XT1325190 | XT1110XT13, XT1325210 | | | | | | | | | | | |
| XT1325540 | COMP: Readiness Review - Wall 2 | 0 | | 11/18/08A | XT1325530 | XT1325550 | | | | | | | | | | | |
| XT1327120 | COMP: Readiness Review - Shadow Wall | 0 | | 11/18/08A | XT1327110 | XT1120XT13, XT1327130 | | | | | | | | | | | |
| XT1320180 | AWARD: FEE Mech/Vac | 43* | 01/12/09A | 05/29/09 | XT1320090*, XT1320160*, XT1320170* | XT1320190 | | | | | | | | | | | |
| XT1320304 | Bake-out @ LLNL - Diff. Pump Aperture | 33* | 01/19/09A | 05/15/09 | XT1320300, XT1320302, XT14271195 | XT1320305*, XT1320306* | | | | | | | | | | | |
| XT1320190 | Fab/Deliver - FEE Mech/Vac | 54* | 01/26/09A | 06/15/09 | XT1320180 | XT1320195* | | | | | | | | | | | |
| XT1327030 | Final Engineering/Design - Shadow Wall | 0 | 02/16/09A | 03/13/09A | XT1327001 | XT1327002, XT1327040 | | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | |
|--------------------------------------|---|---------|-------------|--------------|-----------------------------------|-------------------------|------|--|--|------|--|--|------|--|--|--|--|
| | | | | | | | | | | | | | | | | | |
| 1.05.03.02 Mech/Vac Front End | | | | | | | | | | | | | | | | | |
| XT1328100 | Design Beam Stop | 0 | 02/16/09A | 03/31/09A | | XT1113040, XT1328110 | | | | | | | | | | | |
| XT1320140 | Final Engineering/Design - FEE Mech/Vac | 43* | 02/16/09A | 05/29/09 | XT1320050, XT1320070 | XT1320080*, XT1320150* | | | | | | | | | | | |
| XT1327060 | Start Bid Prep. - Shadow Wall | 0 | 03/02/09A | | XT1327070 | MS3_XT120, XT1327080 | | | | | | | | | | | |
| XT1327070 | Bid Prep/RFP/Award - Shadow Wall | 8 | 03/02/09A | 04/10/09 | XT1327001 | XT1327060, XT1327080 | | | | | | | | | | | |
| XT1327002 | Preliminary Design Review - Shadow Wall | 0 | 03/09/09A | 03/13/09A | XT1327030 | XT1327003 | | | | | | | | | | | |
| XT1327040 | Final Design Review - Shadow Wall | 0 | 03/09/09A | 03/13/09A | XT1327020, XT1327030 | XT1327050 | | | | | | | | | | | |
| XT1320302 | Fab/Deliver - Diff. Pump Aperture | 12 | 03/09/09A | 04/30/09 | XT1320300* | XT1320304 | | | | | | | | | | | |
| XT1327003 | COMP: PDR - Shadow Wall | 0 | | 03/13/09A | XT1327002 | XT1327050 | | | | | | | | | | | |
| XT1327050 | COMP: FDR - Shadow Wall | 0 | | 03/13/09A | XT1327003, XT1327040 | XT1327080 | | | | | | | | | | | |
| XT1327080 | AWARD: Shadow Wall | 9* | 03/16/09A | 04/13/09 | XT1327050, XT1327060, XT1327070 | XT1327090* | | | | | | | | | | | |
| XT1320080 | Preliminary Design Review - FEE Mech/Vac | 0 | 03/16/09A | 05/29/09 | XT1320140*, XT1320145* | XT1320090* | | | | | | | | | | | |
| XT1320150 | Final Design Review - FEE Mech/Vac | 5 | 03/16/09A | 05/29/09 | XT1320140*, XT1320145* | XT1320160* | | | | | | | | | | | |
| XT1320195 | RCV: FEE Mech/Vac | 42 | 03/16/09A | 06/15/09 | XT1320190* | XT1320200* | | | | | | | | | | | |
| XT1328110 | Procure Beam Stop | 0 | 03/31/09A | 03/31/09A | XT1328100 | XT1328120 | | | | | | | | | | | |
| XT1328120 | RCV: Beam Stop | 14* | 03/31/09A | 04/20/09 | XT1113040, XT1328110 | S8X6_FE095 | | | | | | | | | | | |
| XT1325510 | Fab/Deliver - Wall 2 | 12 | 04/13/09 | 04/28/09 | XT1325160* | XT1325515* | | | | | | | | | | | |
| XT1327090 | Fab/Deliver - Shadow Wall | 20 | 04/14/09 | 05/11/09 | XT1327080* | XT1327095* | | | | | | | | | | | |
| XT1325515 | RCV: Wall 2 | 1 | 04/29/09 | 04/29/09 | XT1325510* | XT1325520* | | | | | | | | | | | |
| XT1325520 | Assemble @ LLNL - Wall 2 | 1 | 04/30/09 | 04/30/09 | XT1325515* | XT1325550* | | | | | | | | | | | |
| XT1325550 | Ship to SLAC - Wall 2 | 1 | 05/01/09 | 05/01/09 | S8X6_FE010, XT1325520*, XT1325540 | XT1325560* | | | | | | | | | | | |
| XT1325560 | AVAIL: Wall 2 Shielding | 0 | | 05/01/09 | XT1110XT13, XT1325550* | S8X6_FE076, S8X6_FE080* | | | | | | | | | | | |
| XT1327095 | RCV: Shadow Wall | 1 | 05/12/09 | 05/12/09 | MS_260, XT1327090* | XT1327100* | | | | | | | | | | | |
| XT1327100 | Assemble @ LLNL - Shadow Wall | 1 | 05/13/09 | 05/13/09 | XT1327095* | XT1120XT13*, XT1327130* | | | | | | | | | | | |
| XT1327130 | Transport Labor to Ship to SLAC - Shadow Wall | 1 | 05/14/09 | 05/14/09 | S8X6_FE010, XT1327100*, XT1327120 | XT1327140 | | | | | | | | | | | |
| XT1320306 | Ship to SLAC - Diff. Pump Aperture | 3 | 05/18/09 | 05/20/09 | XT1320304* | XT1320308* | | | | | | | | | | | |
| XT1320305 | Bake-out @ LLNL - Add'l Scope | 30 | 05/18/09 | 06/26/09 | XT1320304* | S8X6_FE078* | | | | | | | | | | | |
| XT1320308 | AVAIL: Diff. Pump Aperture | 0 | | 05/20/09 | XT1320306* | S8X6_FE100 | | | | | | | | | | | |
| XT1327140 | AVAIL: Shadow Wall Shielding | 0 | | 05/20/09 | XT1120XT13*, XT1327130 | S8X6_FE076 | | | | | | | | | | | |
| XT1320090 | COMP: PDR - FEE Mech/Vac | 0 | | 05/29/09 | XT1320065, XT1320080* | XT1320180* | | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | | |
|---|--|---------|-------------|--------------|--|--|------|--|--|------|--|--|------|--|--|--|--|--|
| | | | | | | | | | | | | | | | | | | |
| 1.05.03.02 Mech/Vac Front End | | | | | | | | | | | | | | | | | | |
| XT1320160 | COMP: FDR - FEE Mech/Vac | 0 | | 05/29/09 | XT1320150* | MS3_XT000, XT1320180* | | | | | | | | | | | | |
| XT1320200 | Test @ LLNL - FEE Mech/Vac | 4 | 06/16/09 | 06/19/09 | XT12220060, XT1320195* | XT1320220* | | | | | | | | | | | | |
| XT1320220 | Ship to SLAC - FEE Mech/Vac | 5 | 06/22/09 | 06/26/09 | S8X6_FE010, XT12220070, XT1320200*, XT1320215 | XT1320230* | | | | | | | | | | | | |
| XT1320230 | AVAIL: FEE Mech/Vac | 0 | | 06/26/09 | XT1320220* | S8X6_FE076*, S8X6_FE078* | | | | | | | | | | | | |
| 1.05.03.03 Mech/Vac Near Hall | | | | | | | | | | | | | | | | | | |
| 1.05.03.03.01 Mech/Vac Near Hall | | | | | | | | | | | | | | | | | | |
| XT1331060 | Prepare requirements - NEH Mech/Vac | 0 | 02/01/08A | 07/30/08A | XT_RB | XT1331065, XT1331070 | | | | | | | | | | | | |
| XT1331070 | Preliminary Engineering/Design - NEH Mech/Vac | 0 | 05/01/08A | 03/31/09A | XT1320070, XT1331060 | XT1331080, XT1331110, XT1331140 | | | | | | | | | | | | |
| XT1331065 | Prepare ESD - NEH Mech/Vac | 41 | 06/23/08A | 05/27/09 | XT1320070, XT1331060 | XT1331090, XT1351065* | | | | | | | | | | | | |
| XT1331140 | Bid Prep/RFP/Award - NEH Mech/Vac | 22 | 02/09/09A | 04/30/09 | XT1331070 | XT1331150* | | | | | | | | | | | | |
| XT1331110 | Final Engineering/Design - NEH Mech/Vac | 22* | 02/16/09A | 04/30/09 | XT1331070, XT1331090 | XT1331120*, XT1331150* | | | | | | | | | | | | |
| XT1331150 | AWARD: NEH Mech/Vac | 1 | 03/02/09A | 04/30/09 | MS_260, XT1331110*, XT1331140* | XT1331160* | | | | | | | | | | | | |
| XT1331220 | Procure Stands, Align Plates, etc - NEH Mech/Vac | 27* | 03/02/09A | 05/07/09 | | XT1331230* | | | | | | | | | | | | |
| XT1331180 | Readiness Review - NEH Mech/Vac | 0 | 03/16/09A | 03/16/09A | XT1331170 | XT1331190 | | | | | | | | | | | | |
| XT1331190 | COMP: Readiness Review - NEH Mech/Vac | 0 | | 03/16/09A | XT1331180 | MS3_XT070, XT12320080, XT1331200 | | | | | | | | | | | | |
| XT1331080 | Preliminary Design Review - NEH Mech/Vac | 0 | 03/31/09A | 03/31/09A | XT1331070 | XT1331090 | | | | | | | | | | | | |
| XT1331090 | COMP: PDR - NEH Mech/Vac | 0 | | 03/31/09A | XT1331065, XT1331080 | XT1331110, XT1351070 | | | | | | | | | | | | |
| XT1331120 | Final Design Review - NEH Mech/Vac | 5 | 05/01/09 | 05/07/09 | XT1331110* | XT1331130* | | | | | | | | | | | | |
| XT1331160 | Fab/Deliver - NEH Mech/Vac | 30 | 05/01/09 | 06/11/09 | XT1331150* | XT1331165* | | | | | | | | | | | | |
| XT1331130 | COMP: FDR - NEH Mech/Vac | 0 | | 05/07/09 | XT1331120* | XT1331165 | | | | | | | | | | | | |
| XT1331230 | RCV: Stands, Align Plates, etc. - NEH Mech/Vac | 1 | 05/08/09 | 05/08/09 | XT1331220* | S8X7_NH050 | | | | | | | | | | | | |
| XT1331170 | Test @ LLNL - NEH Mech/Vac | 5 | 06/08/09 | 06/12/09 | XT12320060, XT1331165* | XT1331180, XT1331200 | | | | | | | | | | | | |
| XT1331165 | RCV: NEH Mech/Vac | 1 | 06/12/09 | 06/12/09 | XT1331130, XT1331160* | XT12320070*, XT1331170*, XT1331200 | | | | | | | | | | | | |
| XT1331200 | Ship to SLAC - NEH Mech/Vac | 1 | 06/16/09 | 06/16/09 | S8X7_NH010, XT12320070*, XT1331165, XT1331170, XT1331190 | XT1331210* | | | | | | | | | | | | |
| XT1331210 | AVAIL: NEH Mech/Vac | 0 | | 06/16/09 | XT1331200* | S8X7_NH070* | | | | | | | | | | | | |
| 1.05.03.04 Mech/Vac Tunnel | | | | | | | | | | | | | | | | | | |
| XT1340145 | Start Bid Prep. - Tunnel Mech/Vac | 0 | 01/02/09A | | XT1340140 | XT1340150 | | | | | | | | | | | | |
| XT1340140 | Bid Prep/RFP/Award - Tunnel Mech/Vac | 0 | 01/02/09A | 02/27/09A | MS_260 | XT1340030, XT1340040, XT1340145, XT1340150 | | | | | | | | | | | | |
| XT1340150 | AWARD: Tunnel Mech/Vac | 22 | 02/16/09A | 04/30/09 | MS_260, XT1340140, XT1340145 | XT1340160 | | | | | | | | | | | | |
| XT1340160 | Fab/Deliver - Tunnel Mech/Vac | 33* | 02/16/09A | 05/15/09 | XT1340150 | XT1340165*, XT1340200 | | | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | |
|-------------------------------------|--|---------|-------------|--------------|---|-----------------------------------|------|--|--|------|--|--|------|--|--|--|--|
| | | | | | | | | | | | | | | | | | |
| 1.05.03.04 Mech/Vac Tunnel | | | | | | | | | | | | | | | | | |
| XT1340030 | Prepare acceptance test plan/proced - Tunnel Mec | 0 | 03/02/09A | 03/09/09A | MS_260, XT1340140 | XT1340190 | | | | | | | | | | | |
| XT1340040 | Prepare oper/maint proced - Tunnel Mech/Vac | 0 | 03/02/09A | 03/09/09A | MS_260, XT1340140 | XT1340190 | | | | | | | | | | | |
| XT1340220 | Procure Stands, Align Plates, etc - Tunnel Mech/ | 43 | 03/02/09A | 05/29/09 | | XT1340230* | | | | | | | | | | | |
| XT1340165 | RCV: Tunnel Mech/Vac | 1 | 05/18/09 | 05/18/09 | XT1340160* | XT12420070, XT1340170*, XT1340180 | | | | | | | | | | | |
| XT1340170 | Test @ LLNL - Tunnel Mech/Vac | 1 | 05/19/09 | 05/19/09 | XT1340165* | XT1340180*, XT1351180* | | | | | | | | | | | |
| XT1340180 | Readiness Review - Tunnel Mech/Vac | 1 | 05/20/09 | 05/20/09 | XT1340165, XT1340170* | XT1340190* | | | | | | | | | | | |
| XT1340190 | COMP: Readiness Review - Tunnel Mech/Vac | 0 | | 05/20/09 | XT1340030, XT1340040, XT1340180* | MS3_XT050, XT12420080, XT1340200 | | | | | | | | | | | |
| XT1340230 | RCV: Stands, Align Plates, etc. - Tunnel Mech/Va | 1 | 06/01/09 | 06/01/09 | XT1340220* | XT1340240* | | | | | | | | | | | |
| XT1340240 | Weld Continuous Beam Pipe - Tunnel Mech/Vac | 15 | 06/02/09 | 06/22/09 | XT1340230* | S8X8_XT070 | | | | | | | | | | | |
| XT1340200 | Ship to SLAC - Tunnel Mech/Vac | 1 | 07/16/09 | 07/16/09 | S8X8_XT010, XT12420070*, XT1340160, XT1340190 | XT1112050, XT1340210* | | | | | | | | | | | |
| XT1340210 | AVAIL: Tunnel Mech/Vac | 0 | | 07/16/09 | XT1340200* | S8X8_XT070* | | | | | | | | | | | |
| 1.05.03.05 Mech/Vac Far Hall | | | | | | | | | | | | | | | | | |
| XT1351060 | Prepare requirements - FEH Mech/Vac | 0 | 05/01/08A | 01/30/09A | XT_RB | XT1351065, XT1351070 | | | | | | | | | | | |
| XT1351140 | Bid Prep/RFP/Award - FEH Mech/Vac | 0 | 01/02/09A | 03/31/09A | XT1351080, XT1351110 | XT1351135, XT1351150 | | | | | | | | | | | |
| XT1351070 | Preliminary Engineering/Design - FEH Mech/Vac | 0 | 02/02/09A | 02/06/09A | XT1331090, XT1351060 | XT1351080, XT1351110 | | | | | | | | | | | |
| XT1351080 | Preliminary Design Review - FEH Mech/Vac | 0 | 02/09/09A | 02/09/09A | XT1351070 | XT1351090, XT1351140 | | | | | | | | | | | |
| XT1351090 | COMP: PDR - FEH Mech/Vac | 0 | | 02/09/09A | XT1351080 | XT1351110 | | | | | | | | | | | |
| XT1351110 | Final Engineering/Design - FEH Mech/Vac | 0 | 02/10/09A | 02/13/09A | MS_260, XT1351070, XT1351090 | XT1351120, XT1351140 | | | | | | | | | | | |
| XT1351120 | Final Design Review - FEH Mech/Vac | 0 | 02/16/09A | 02/16/09A | XT1351110 | XT1351130 | | | | | | | | | | | |
| XT1351130 | COMP: FDR - FEH Mech/Vac | 0 | | 02/16/09A | XT1351120 | XT1351165 | | | | | | | | | | | |
| XT1351135 | Start Bid Prep. - FEH Mech/Vac | 0 | 02/17/09A | | XT1351140 | MS3_XT080, XT1351150 | | | | | | | | | | | |
| XT1351150 | AWARD: FEH Mech/Vac | 0 | 02/17/09A | 03/31/09A | MS_260, XT1351135, XT1351140 | XT1351160 | | | | | | | | | | | |
| XT1351160 | Fab/Deliver - FEH Mech/Vac | 33 | 02/23/09A | 05/15/09 | XT1351150 | XT1351165* | | | | | | | | | | | |
| XT1351065 | Prepare ESD - FEH Mech/Vac | 20 | 04/30/09 | 05/27/09 | XT1331065*, XT1351060, XT_RB | XT_LOE | | | | | | | | | | | |
| XT1351165 | RCV: FEH Mech/Vac | 1 | 05/18/09 | 05/18/09 | XT1351130, XT1351160* | XT12520070, XT1351180 | | | | | | | | | | | |
| XT1351180 | Readiness Review - FEH Mech/Vac | 10 | 05/20/09 | 06/02/09 | XT1340170*, XT1351165 | XT1351190*, XT1351200 | | | | | | | | | | | |
| XT1351190 | COMP: Readiness Review - FEH Mech/Vac | 0 | | 06/02/09 | XT1351180* | MS3_XT080, XT12520080, XT1351200 | | | | | | | | | | | |
| XT1351200 | Ship to SLAC - FEH Mech/Vac | 10 | 08/20/09 | 09/02/09 | S8X9_FH010, XT12520070*, XT1351180, XT1351190 | XT1351210* | | | | | | | | | | | |
| XT1351210 | AVAIL: FEH Mech/Vac | 0 | | 09/02/09 | XT1351200* | S8X9_FH070 | | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | | |
|---|---|---------|-------------|--------------|---|---|------|--|--|------|--|--|------|--|--|--|--|--|
| | | | | | | | | | | | | | | | | | | |
| 1.05.04 Optical Subsystem | | | | | | | | | | | | | | | | | | |
| 1.05.04.02 Facility Optics | | | | | | | | | | | | | | | | | | |
| 1.05.04.02.01 Fast Valve | | | | | | | | | | | | | | | | | | |
| XT1421020 | Prepare ESD - Fast Valve | 8 | 02/01/08A | 04/10/09 | XT_RB | XT_LOE | | | | | | | | | | | | |
| XT1421145 | RCV: Fast Valve | 0 | 03/03/08A | 03/03/08A | XT_RB | XT12230070, XT1421150 | | | | | | | | | | | | |
| XT1421150 | Testing @ LLNL - Fast Valve | 0 | 06/09/08A | 06/30/08A | XT1421145 | XT1421170 | | | | | | | | | | | | |
| XT1421170 | Ship to SLAC - Fast Valve | 0 | 07/14/08A | 07/15/08A | S8X5_BD010, XT12230070, XT1421150 | XT1112040, XT1421180 | | | | | | | | | | | | |
| XT1421180 | AVAIL: Fast Valve | 0 | | 07/15/08A | XT1421170 | S8X5_BD060, S8X6_FE072 | | | | | | | | | | | | |
| XT1421160 | Readiness Review - Fast Valve | 0 | 11/17/08A | 11/18/08A | | XT12230080, XT1421165 | | | | | | | | | | | | |
| XT1421165 | COMP: Readiness Review - Fast Valve | 0 | | 11/18/08A | XT1421160 | S8X6_FE072 | | | | | | | | | | | | |
| 1.05.04.02.02 Fixed Mask | | | | | | | | | | | | | | | | | | |
| XT1422150 | RCV: Fixed Mask (Liens) | 0 | 02/01/08A | 02/22/08A | XT_RB | XT1422160 | | | | | | | | | | | | |
| XT1422160 | Testing @ LLNL - Fixed Mask | 0 | 03/03/08A | 08/29/08A | XT1422150 | XT1422175 | | | | | | | | | | | | |
| XT1422175 | Fixed Mask Ready to Ship to SLAC | 0 | | 11/16/08A | XT1422160, XT1422170 | MS3_XT030, XT1422180 | | | | | | | | | | | | |
| XT1422170 | Readiness Review - Fixed Mask | 0 | 11/17/08A | 11/18/08A | MS_260 | XT12240080, XT1422175 | | | | | | | | | | | | |
| XT1422180 | Ship to SLAC - Fixed Mask | 0 | 01/27/09A | 02/13/09A | S8X6_FE010, XT12240070, XT1422175 | XT1422240 | | | | | | | | | | | | |
| XT1422240 | AVAIL: Fixed Mask | 0 | | 02/13/09A | XT1422180 | S8X6_FE072 | | | | | | | | | | | | |
| 1.05.04.02.03 Slit | | | | | | | | | | | | | | | | | | |
| XT1423165 | Slit Block Brazing - Slit | 0 | 02/01/08A | 02/08/08A | XT_RB | XT1423150, XT1423160 | | | | | | | | | | | | |
| XT1423150 | Fab/Deliver - Slit | 0 | 02/01/08A | 03/14/08A | XT1423165 | XT1423155 | | | | | | | | | | | | |
| XT1423155 | RCV: Slit | 0 | 03/17/08A | 03/17/08A | XT1423150 | XT12240070, XT1423160 | | | | | | | | | | | | |
| XT1423160 | Testing @ LLNL - Slit | 0 | 03/18/08A | 02/09/09A | XT1423155, XT1423165 | XT1423180 | | | | | | | | | | | | |
| XT1423170 | Readiness Review - Slit | 0 | 11/17/08A | 11/18/08A | MS_260 | XT12240080, XT1423175, XT1423180 | | | | | | | | | | | | |
| XT1423175 | COMP: Readiness Review - Slit | 0 | | 11/18/08A | XT1423170 | XT1423180 | | | | | | | | | | | | |
| XT1423180 | Ship to SLAC - Slit | 0 | 01/27/09A | 02/13/09A | S8X6_FE010, XT12240070, XT1423160, XT1423170, XT1423175 | XT1423240 | | | | | | | | | | | | |
| XT1423240 | AVAIL: Slit | 0 | | 02/13/09A | XT1423180 | S8X6_FE072 | | | | | | | | | | | | |
| 1.05.04.02.05 Gas/Solid Attenuator | | | | | | | | | | | | | | | | | | |
| XT1425180 | Design revisions - Gas/Solid Attenuator | 0* | 02/01/08A | 03/14/08A | XT_RB | XT1425200 | | | | | | | | | | | | |
| XT1425190 | Fab/Deliver - Gas/Solid Attenuator | 0 | 02/01/08A | 09/02/08A | XT_RB | XT1425195 | | | | | | | | | | | | |
| XT1425195 | RCV: Gas/Solid Attenuator | 0 | 02/11/08A | 10/15/08A | XT1425190 | XT1425200 | | | | | | | | | | | | |
| XT1425200 | Assembly @ LLNL - Gas/Solid Attenuator | 0 | 04/14/08A | 11/17/08A | XT1425180, XT1425195 | XT12250070, XT1425205, XT1425250, XT1536200 | | | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | |
|---|--|---------|-------------|--------------|----------------------------------|------------------------------------|------|--|--|------|--|--|------|--|--|--|
| | | | | | | | | | | | | | | | | |
| 1.05.04.02.05 Gas/Solid Attenuator | | | | | | | | | | | | | | | | |
| XT1425250 | SLAC Engr/Assembly Suppt - Gas/Solid Att. (Shen) | 0 | 05/01/08A | 08/19/08A | XT1425200 | XT1425210, XT1425255 | | | | | | | | | | |
| XT1425255 | SLAC Testing Suppt - Gas/Solid Att. (Shen) | 0 | 08/01/08A | 09/30/08A | XT1425250 | XT1425210 | | | | | | | | | | |
| XT1425205 | Test @ LLNL - Gas/Solid Attenuator | 0 | 08/25/08A | 12/31/08A | XT12250060, XT1425200, XT1536195 | XT1425225 | | | | | | | | | | |
| XT1425210 | Readiness Review - Gas/Solid Attenuator | 0 | 11/17/08A | 11/18/08A | MS_260, XT1425250, XT1425255 | XT1425220, XT1425225, XT1536210 | | | | | | | | | | |
| XT1425220 | COMP: Readiness Review - Gas/Solid Attenuator | 0 | | 11/18/08A | XT1425210 | XT12250080, XT1425230 | | | | | | | | | | |
| XT1425225 | Gas/Solid Attenuator Ready to Ship to SLAC | 0 | | 12/31/08A | XT12250070, XT1425205, XT1425210 | MS3_XT025, XT1425230 | | | | | | | | | | |
| XT1425230 | Ship to SLAC - Gas/Solid Attenuator | 0 | 01/26/09A | 02/13/09A | S8X6_FE010, XT1425220, XT1425225 | XT1425240 | | | | | | | | | | |
| XT1425240 | AVAIL: Gas/Solid Attenuator | 0 | | 02/13/09A | XT1425230 | S8X6_FE072 | | | | | | | | | | |
| 1.05.04.02.07 FEL Offset Mirrors | | | | | | | | | | | | | | | | |
| XT14271150 | Fab/Deliver - SOMS Substrate | 0 | 02/01/08A | 02/15/08A | XT_RB | XT14271151 | | | | | | | | | | |
| XT14271100 | Final Engineering/Design - SOMS Mech | 0 | 02/01/08A | 09/25/08A | XT_RB | XT14271110 | | | | | | | | | | |
| XT14272100 | Final Engineering/Design - HOMS Mech | 0 | 02/11/08A | 11/14/08A | XT2410030 | XT14272110 | | | | | | | | | | |
| XT14272670 | AWARD: HOMS Substrate | 0 | 03/03/08A | 03/03/08A | XT_RB | XT14272680, XT14272690 | | | | | | | | | | |
| XT14271091 | Prepare seismic note - SOMS | 0 | 03/03/08A | 06/30/08A | XT_RB | XT14271110 | | | | | | | | | | |
| XT14271151 | RCV: SOMS Substrate | 0 | 03/03/08A | 09/26/08A | XT14271150 | XT14271155, XT14271157 | | | | | | | | | | |
| XT14272680 | AWARD: HOMS Substrate | 0 | | 03/03/08A | XT14272670 | MS3_XT060 | | | | | | | | | | |
| XT14272690 | Fab/Deliver - HOMS Substrate | 0 | 03/04/08A | 09/30/08A | XT14272670 | XT14272695 | | | | | | | | | | |
| XT14272091 | Prepare seismic note - HOMS Mech | 0 | 03/17/08A | 06/30/08A | XT2410030 | XT14272110 | | | | | | | | | | |
| XT14271155 | Surface Metr/Prep - SOMS Substrate | 0 | 04/14/08A | 10/15/08A | XT14271151 | XT14271157 | | | | | | | | | | |
| XT14271170 | Bid Prep/RFP/Award - SOMS Mount/Tank System | 0 | 06/16/08A | 01/30/09A | XT14271120 | XT14271180 | | | | | | | | | | |
| XT14272170 | Bid Prep/RFP/Award - HOMS Mount/Tank System | 0 | 06/16/08A | 01/30/09A | XT14272120 | XT14272180 | | | | | | | | | | |
| XT14272695 | RCV: HOMS Substrate | 0 | 08/18/08A | 10/01/08A | XT14272690 | XT14272708, XT2410040 | | | | | | | | | | |
| XT14271156 | Start Deposit Coating -SOMS Substrate | 0 | 09/05/08A | | XT14271157 | XT14271220 | | | | | | | | | | |
| XT14271157 | Deposit Coating - SOMS Substrate | 0 | 09/05/08A | 12/31/08A | XT14271151, XT14271155 | XT14271156, XT14271220 | | | | | | | | | | |
| XT14271110 | Final Design Review - SOMS Mech | 0 | 09/16/08A | 09/29/08A | XT14271091, XT14271100 | XT14271120 | | | | | | | | | | |
| XT14272110 | Final Design Review - HOMS Mech | 0 | 09/16/08A | 09/29/08A | XT14272091, XT14272100 | XT14272120 | | | | | | | | | | |
| XT14271120 | COMP: FDR - SOMS Mech | 0 | | 09/29/08A | XT14271110 | XT14271170 | | | | | | | | | | |
| XT14272120 | COMP: FDR - HOMS Mech | 0 | | 09/29/08A | XT14272110 | XT14272125, XT14272170, XT14272190 | | | | | | | | | | |
| XT14272125 | Thermal Enclosure Design - HOMS Mech | 0 | 10/01/08A | 01/30/09A | XT14272120 | XT14272220 | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | | |
|---|--------------------------------------|---------|-------------|--------------|---|------------------------------------|------|--|--|------|--|--|------|--|--|--|--|--|
| | | | | | | | | | | | | | | | | | | |
| 1.05.04.02.07 FEL Offset Mirrors | | | | | | | | | | | | | | | | | | |
| XT14271180 | AWARD: SOMS Mount/Tank System | 0 | 10/15/08A | 01/30/09A | XT14271170 | XT14271190 | | | | | | | | | | | | |
| XT14272180 | AWARD: HOMS Mount/Tank System | 0 | 10/15/08A | 01/30/09A | XT14272170 | XT14272190 | | | | | | | | | | | | |
| XT14271190 | Fab/Deliver SOMS Mount & Tank System | 0 | 10/16/08A | 01/30/09A | XT14271180 | XT14271195 | | | | | | | | | | | | |
| XT14272190 | Fab/Deliver HOMS Mount & Tank System | 0 | 10/16/08A | 01/30/09A | XT14272120, XT14272180, XT2410035 | XT14272195 | | | | | | | | | | | | |
| XT14271195 | RCV: SOMS Mount & Tank System | 0 | 10/27/08A | 01/30/09A | XT14271190 | XT1320304, XT14271200 | | | | | | | | | | | | |
| XT14271210 | Readiness Review - SOMS | 0 | 11/17/08A | 11/18/08A | | XT122B0080, XT14271215, XT14271220 | | | | | | | | | | | | |
| XT14272210 | Readiness Review - HOMS | 0 | 11/17/08A | 11/18/08A | | XT122C0080, XT14272215, XT14272220 | | | | | | | | | | | | |
| XT14272195 | RCV: HOMS Mount & Tank System | 0 | 11/17/08A | 03/31/09A | XT14272190 | XT122C0070, XT14272200 | | | | | | | | | | | | |
| XT14271215 | COMP: Readiness Review - SOMS | 0 | | 11/18/08A | XT14271210 | XT14271220 | | | | | | | | | | | | |
| XT14272215 | COMP: Readiness Review - HOMS | 0 | | 11/18/08A | XT14272210 | XT14272220 | | | | | | | | | | | | |
| XT14271200 | Assembly @ LLNL - SOMS | 22 | 12/01/08A | 04/30/09 | XT14271195 | XT122B0070, XT14271205* | | | | | | | | | | | | |
| XT14272200 | Assembly @ LLNL - HOMS | 22 | 12/01/08A | 04/30/09 | XT14272195 | XT122C0070, XT14272205* | | | | | | | | | | | | |
| XT14272205 | Integrated Test Mount @ LLNL - HOMS | 22 | 12/15/08A | 04/30/09 | XT14272200* | XT14272220* | | | | | | | | | | | | |
| XT14271205 | Integrated Test @ LLNL - SOMS | 22 | 12/15/08A | 05/14/09 | XT14271200* | XT14271220* | | | | | | | | | | | | |
| XT14272220 | Ship to SLAC - HOMS | 5 | 01/26/09A | 04/30/09 | MS_260, S8X6_FE010, XT122C0070, XT14272125, XT14272205* | XT14272230* | | | | | | | | | | | | |
| XT14271220 | Ship to SLAC - SOMS | 5 | 01/26/09A | 05/14/09 | MS_260, S8X6_FE010, XT122B0070, XT14271156, XT14271157, | XT14271230* | | | | | | | | | | | | |
| XT14272708 | Surface Metr/Prep - HOMS Substrate | 0 | 02/16/09A | 02/20/09A | MS_260, XT14272695, XT2410040 | XT14272710 | | | | | | | | | | | | |
| XT14272710 | Deposit Coatings - HOMS Substrate | 0 | 02/23/09A | 03/31/09A | XT14272708, XT2410020 | XT14272220 | | | | | | | | | | | | |
| XT14272230 | AVAIL: HOMS | 0 | | 04/30/09 | XT14272220*, XT2410050 | S8X6_FE078 | | | | | | | | | | | | |
| XT14271230 | AVAIL: SOMS | 0 | | 05/14/09 | XT14271220* | S8X6_FE076 | | | | | | | | | | | | |
| 1.05.05 Diagnostics Subsystem | | | | | | | | | | | | | | | | | | |
| 1.05.05.03 Facility Diagnostics | | | | | | | | | | | | | | | | | | |
| 1.05.05.03.01 Direct Imager | | | | | | | | | | | | | | | | | | |
| XT1531990 | Jacek K. (Liens) - Direct Imager | 0 | 02/01/08A | 02/29/08A | XT_RB | XT1531240 | | | | | | | | | | | | |
| XT1531190 | Fab/Deliver - Direct Imager (1) | 0 | 02/01/08A | 04/30/08A | XT_RB | XT1531192 | | | | | | | | | | | | |
| XT1531100 | Design revisions - Direct Imager | 0 | 02/01/08A | 05/30/08A | XT_RB | XT1531194, XT1542100 | | | | | | | | | | | | |
| XT1531192 | RCV: Direct Imager (1) | 0 | 02/25/08A | 04/30/08A | XT1531190 | XT1531199, XT1531200 | | | | | | | | | | | | |
| XT1531194 | Bid Prep/Award - Direct Imager (2) | 0 | 04/07/08A | 04/30/08A | XT1531100 | XT1531195 | | | | | | | | | | | | |
| XT1531195 | AWARD: Direct Imager (2) | 0 | 04/21/08A | 08/29/08A | XT1531194 | XT1531196 | | | | | | | | | | | | |
| XT1531196 | Fab/Deliver - Direct Imager (2) | 0 | 04/28/08A | 11/21/08A | XT1531195 | XT1531197 | | | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | | |
|---|--|---------|-------------|--------------|--|----------------------------------|------|--|--|------|--|--|------|--|--|--|--|--|
| | | | | | | | | | | | | | | | | | | |
| 1.05.05.03.01 Direct Imager | | | | | | | | | | | | | | | | | | |
| XT1531197 | RCV: Direct Imager (2) | 0 | 05/12/08A | 11/21/08A | XT1531196 | XT1531199 | | | | | | | | | | | | |
| XT1531199 | Assembly @ LLNL - Direct Imager | 0 | 09/29/08A | 01/30/09A | XT1531192, XT1531197 | XT12270070, XT1531200 | | | | | | | | | | | | |
| XT1531200 | Test @ LLNL - Direct Imager | 0* | 10/27/08A | 01/30/09A | XT12270060, XT1531192, XT1531199 | XT1531230 | | | | | | | | | | | | |
| XT1531210 | Readiness Review - Direct Imager | 0 | 11/17/08A | 11/18/08A | MS_260 | XT1531220 | | | | | | | | | | | | |
| XT1531220 | COMP: Readiness Review - Direct Imager | 0 | | 11/18/08A | XT1531210 | XT12270080, XT1531230 | | | | | | | | | | | | |
| XT1531230 | Ship to SLAC - Direct Imager | 0 | 02/02/09A | 03/20/09A | S8X6_FE010, XT12270070, XT1531200, XT1531220 | XT1531240 | | | | | | | | | | | | |
| XT1531240 | AVAIL: Direct Imager | 0 | | 03/20/09A | XT1531230, XT1531990 | S8X6_FE074 | | | | | | | | | | | | |
| 1.05.05.03.06 Gas Detector | | | | | | | | | | | | | | | | | | |
| XT1536190 | Fab/Deliver - Gas Detector | 0 | 02/01/08A | 08/29/08A | XT_RB | XT1536195 | | | | | | | | | | | | |
| XT1536195 | RCV: Gas Detector | 0 | 02/01/08A | 08/29/08A | XT1536190 | XT12260070, XT1425205, XT1536200 | | | | | | | | | | | | |
| XT1536188 | Matlab I/F Devel. - Gas Detector | 0 | 02/01/08A | 02/20/09A | XT_RB | XT1536230 | | | | | | | | | | | | |
| XT1536200 | Test @ LLNL - Gas Detector | 0 | 06/09/08A | 10/15/08A | XT12260060, XT1425200, XT1536195 | XT1536230 | | | | | | | | | | | | |
| XT1536210 | Readiness Review - Gas Detector | 0 | 11/17/08A | 11/18/08A | MS_260, XT12260070, XT1425210 | XT1536220 | | | | | | | | | | | | |
| XT1536220 | COMP: Readiness Review - Gas Detector | 0 | | 11/18/08A | XT1536210 | XT12260080, XT1536230 | | | | | | | | | | | | |
| XT1536230 | Ship to SLAC - Gas Detector | 0* | 01/26/09A | 02/20/09A | S8X6_FE010, XT1536188, XT1536200, XT1536220 | XT1536240 | | | | | | | | | | | | |
| XT1536240 | AVAIL: Gas Detector | 0 | | 02/20/09A | XT1536230 | S8X6_FE072 | | | | | | | | | | | | |
| 1.05.05.04 Commissioning Diagnostics | | | | | | | | | | | | | | | | | | |
| 1.05.05.04.02 Total Energy Measurement | | | | | | | | | | | | | | | | | | |
| XT1542094 | Design/DAQ Testing - Total Energy Measurement | 0 | 02/01/08A | 04/30/08A | XT_RB | XT1542190 | | | | | | | | | | | | |
| XT1542095 | Matlab I/F Devel - Total Energy Measurement | 0 | 02/01/08A | 05/30/08A | XT_RB | XT1542200 | | | | | | | | | | | | |
| XT1542191 | RCV: Total Energy Measurement | 0 | 02/01/08A | 11/21/08A | XT1542190 | XT1542195 | | | | | | | | | | | | |
| XT1542195 | Assembly @ LLNL - Total Energy Measurement | 0 | 02/25/08A | 01/30/09A | XT1542080, XT1542191 | XT12280070, XT1542200 | | | | | | | | | | | | |
| XT1542070 | Final Sensor Layout - Total Energy Measurement | 0 | 03/03/08A | 10/30/08A | XT_RB | XT1542080 | | | | | | | | | | | | |
| XT1542100 | Prepare seismic note - Total Energy Measurement | 0 | 03/10/08A | 04/30/08A | XT1531100 | XT1542210 | | | | | | | | | | | | |
| XT1542190 | Fab/Deliver - Total Energy Measurement | 0 | 05/01/08A | 11/21/08A | XT1542094 | XT1542191 | | | | | | | | | | | | |
| XT1542200 | Test @ LLNL - Total Energy Measurement | 0 | 06/23/08A | 03/20/09A | XT12280060, XT1542095, XT1542195 | XT1542230 | | | | | | | | | | | | |
| XT1542210 | Readiness Review - Total Energy Measurement | 0 | 11/17/08A | 11/18/08A | MS_260, XT1542100 | XT1542220 | | | | | | | | | | | | |
| XT1542220 | COMP: Readiness Review - Total Energy Measuremen | 0 | | 11/18/08A | XT1542210 | XT12280080, XT1542230 | | | | | | | | | | | | |
| XT1542202 | Design Adj Bridge - Total Energy Measurement | 0 | 12/01/08A | 03/02/09A | | XT1542204 | | | | | | | | | | | | |
| XT1542230 | Ship to SLAC - Total Energy Measurement | 11 | 02/16/09A | 04/15/09 | S8X6_FE010, XT12280070, XT1542200, XT1542220 | XT1542240* | | | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | |
|---|--|---------|-------------|--------------|--|--|------|--|--|------|--|--|------|--|--|--|
| | | | | | | | | | | | | | | | | |
| 1.05.05.04.02 Total Energy Measurement | | | | | | | | | | | | | | | | |
| XT1542204 | Fab/Deliver Adj Bridge - Total Energy Measuremnt | 0 | 03/02/09A | 03/13/09A | XT12100095, XT1542202 | XT1542206 | | | | | | | | | | |
| XT1542240 | AVAIL: Total Energy Measurement | 0 | | 04/15/09 | XT1542230* | S8X6_FE074 | | | | | | | | | | |
| 1.05.05.04.05 Popup Cameras | | | | | | | | | | | | | | | | |
| XT1545040 | Conceptual Engr/Design - Popup Cameras | 0 | 02/01/08A | 05/23/08A | XT_RB | XT1545050 | | | | | | | | | | |
| XT1545020 | PRD Review - Popup Cameras | 0 | 03/03/08A | 05/23/08A | XT_RB | XT1545030 | | | | | | | | | | |
| XT1545030 | COMP: PRD - Popup Cameras | 0 | | 05/23/08A | XT1545020 | XT1545070 | | | | | | | | | | |
| XT1545050 | Conceptual Design Review - Popup Cameras | 0 | 05/27/08A | 06/17/08A | XT1545040 | XT1545060 | | | | | | | | | | |
| XT1545065 | Prepare ESD - Popup Cameras | 0 | 05/27/08A | 03/27/09A | XT1545060 | XT1545090 | | | | | | | | | | |
| XT1545060 | COMP: CDR - Popup Cameras | 0 | | 06/17/08A | XT1545050 | XT1545065, XT1545070 | | | | | | | | | | |
| XT1545070 | Preliminary Engineering/Design - Popup Cameras | 0 | 06/18/08A | 03/31/09A | XT1545030, XT1545060 | XT1545080, XT1545100, XT1545110 | | | | | | | | | | |
| XT1545110 | Prepare IWS - Popup Cameras | 0 | 06/30/08A | 09/19/08A | XT1545070 | XT1545150 | | | | | | | | | | |
| XT1545165 | START: Bid Prep - Popup Cameras | 0 | 07/21/08A | | XT1545170 | XT1545180 | | | | | | | | | | |
| XT1545170 | Bid Prep/RFP/Award - Popup Cameras | 33* | 07/21/08A | 05/15/09 | XT1545140 | XT1545165, XT1545180* | | | | | | | | | | |
| XT1545180 | AWARD: Popup Cameras | 33* | 09/22/08A | 05/15/09 | XT1545165, XT1545170* | XT1545190 | | | | | | | | | | |
| XT1545190 | Fab/Deliver - Popup Cameras | 53* | 09/22/08A | 06/15/09 | XT1545160, XT1545180 | XT1545195* | | | | | | | | | | |
| XT1545210 | Readiness Review - Popup Cameras | 0 | 11/17/08A | 11/18/08A | | XT122D0080, XT12340080, XT12430080, XT1545215, XT1545220 | | | | | | | | | | |
| XT1545215 | COMP: Readiness Review - Popup Cameras | 0 | | 11/18/08A | XT1545210 | XT1545220 | | | | | | | | | | |
| XT1545195 | RCV: Popup Cameras | 0 | 12/01/08A | 06/15/09 | XT1545190* | XT1545199* | | | | | | | | | | |
| XT1545199 | Assembly @ LLNL - Popup Cameras | 33 | 02/16/09A | 06/15/09 | XT1545195* | XT122D0070, XT12340070, XT12430070, XT1545200* | | | | | | | | | | |
| XT1545200 | Test @ LLNL - Popup Cameras | 39 | 02/23/09A | 06/15/09 | XT122D0060, XT1545199* | XT1545220* | | | | | | | | | | |
| XT1545140 | Final Engineering/Design - Popup Cameras | 22* | 03/16/09A | 04/30/09 | XT1545090 | XT1545150*, XT1545170 | | | | | | | | | | |
| XT1545100 | Prepare seismic note - Popup Cameras | 22 | 03/23/09A | 04/30/09 | XT1545070 | XT1545150* | | | | | | | | | | |
| XT1545080 | Preliminary Design Review - Popup Cameras | 0 | 03/31/09A | 03/31/09A | XT1545070 | XT1545090 | | | | | | | | | | |
| XT1545090 | COMP: PDR - Popup Cameras | 0 | | 03/31/09A | XT1545065, XT1545080 | MS3_XT120, XT1545140 | | | | | | | | | | |
| XT1545150 | Final Design Review - Popup Cameras | 10 | 05/01/09 | 05/14/09 | XT1545100*, XT1545110, XT1545140* | XT1545160* | | | | | | | | | | |
| XT1545160 | COMP: FDR - Popup Cameras | 0 | | 05/14/09 | XT1545150* | XT1545190 | | | | | | | | | | |
| XT1545220 | Ship to SLAC - Popup Cameras | 1 | 06/16/09 | 06/16/09 | MS_260, S8X6_FE010, XT122D0065, XT122D0070, XT1545200*, XT1545220* | XT1545230* | | | | | | | | | | |
| XT1545230 | AVAIL: Popup Cameras | 0 | | 06/16/09 | XT1545220* | S8X6_FE076, S8X6_FE078, S8X7_NH070* | | | | | | | | | | |
| 1.05.05.04.06 K Measurement System | | | | | | | | | | | | | | | | |
| XT1546990 | Jacek K. (Liens) - K Measurement | 0 | 02/01/08A | 02/29/08A | XT_RB | XT1546240 | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | | | | | | | | | | | | |
|---|--|---------|-------------|--------------|--|--|------|--|--|------|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.05.05.04.06 K Measurement System | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XT1546050 | Preliminary Design - K Meas. | 0 | 02/01/08A | 04/30/08A | XT_RB | XT1546060 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546130 | SLAC Engr/Assembly Support - K Meas. -JK | 0* | 02/01/08A | 09/30/08A | XT_RB | XT1546360 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546045 | Prepare ESD - K Measurement | 0 | 02/01/08A | 12/31/08A | XT_RB | XT1546070, XT1546072 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546060 | Preliminary Design Review - K Meas. | 0 | 04/30/08A | 04/30/08A | XT1546050 | XT1546065, XT1546070, XT1546072 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546070 | Final Design - K Meas. | 0 | 04/30/08A | 09/02/08A | XT1546045, XT1546060, XT1546065 | XT1546072, XT1546075, XT1546080, XT1546090 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546065 | COMP: PDR - K Meas. | 0 | | 04/30/08A | XT1546060 | XE1810160, XT1546070, XT1546072, XT1566125 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546088 | START: Bid Prep - K Measurement | 0 | 06/02/08A | | XT1546090 | XT1546100 | | | | | | | | | | | | | | | | | | | | | | |
| XT1566125 | Procure/Deliver K Mono Spool/Electronics | 0 | 06/02/08A | 10/30/08A | XT1546065 | S8X6_FE074 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546090 | Prepare Bid Docs - K Measurement | 0 | 06/02/08A | 03/16/09A | XT1546070, XT1546072 | XT1546088, XT1546100 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546132 | SLAC Engr/Assembly Travel - K Meas. -JK | 0 | 08/01/08A | 09/30/08A | XT_RB | XT1546360 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546072 | Final Design (Add'l Scope)- K Meas. | 0 | 09/03/08A | 03/16/09A | XT1546045, XT1546060, XT1546065, XT1546070 | XT1546090, XT1546230, XT1546410 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546100 | Bid and Award - K Measurement | 0 | 09/15/08A | 03/16/09A | XT1546088, XT1546090 | XT1546110, XT1546120 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546110 | AWARD: K Measurement | 0 | 09/26/08A | 03/16/09A | XT1546085, XT1546100 | XT1546120 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546120 | Fab/Deliver - K Measurement | 11* | 11/10/08A | 04/15/09 | XT1546100, XT1546110 | XT1546125* | | | | | | | | | | | | | | | | | | | | | | |
| XT1546210 | Readiness Review - K Measurement | 0 | 11/17/08A | 11/18/08A | XT122A0070 | XT1546220 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546075 | Matlab Software Development - K Meas. | 43* | 11/17/08A | 05/29/09 | XT1546070 | XT1546125 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546220 | COMP: Readiness Review - K Measurement | 0 | | 11/18/08A | XT1546210 | XT12290080, XT122A0080, XT1546230 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546125 | RCV: K Measurement | 11* | 11/24/08A | 04/15/09 | XT1546075, XT1546120* | XT12290070, XT1546360* | | | | | | | | | | | | | | | | | | | | | | |
| XT1546200 | Test @ LLNL - K Measurement | 8 | 11/24/08A | 04/15/09 | XT122A0060, XT1546360* | XT1546230* | | | | | | | | | | | | | | | | | | | | | | |
| XT1546360 | Assemble - K Meas. | 0 | 11/24/08A | 04/15/09 | XE1810190, XE1810210, XT12290060, XT1546125*, XT1546130, XT1546132 | XT12290070, XT1546200* | | | | | | | | | | | | | | | | | | | | | | |
| XT1546080 | Final Design Review - K Meas. | 0 | 12/15/08A | 12/19/08A | XT1546070 | XT1546085 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546085 | COMP: FDR - K Meas. | 0 | | 12/19/08A | XT1546080 | XT1546110 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546410 | Design Diodes/Electronics - K Measurement | 0 | 02/16/09A | 02/18/09A | XT1546072 | XT1546420 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546420 | Procure Diodes/Electronics - K Measurement | 0 | 02/19/09A | 02/23/09A | XT1546410 | XT1546430 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546430 | RCV: Diodes/Electronics - K Measurement | 0 | 02/24/09A | 03/31/09A | XT1546420 | XT1546440 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546440 | Test Diodes/Electronics - K Measurement | 14* | 03/16/09A | 04/20/09 | XT1546430 | XT1546450* | | | | | | | | | | | | | | | | | | | | | | |
| XT1546230 | Ship to SLAC - K Measurement | 5 | 04/16/09 | 04/22/09 | S8X6_FE010, XT12290070, XT1546072, XT1546200*, XT1546220 | XT1546240* | | | | | | | | | | | | | | | | | | | | | | |
| XT1546450 | Ship Diodes/Electronics - K Measurement | 1 | 04/21/09 | 04/21/09 | XT1546440* | S8Z3_CM070 | | | | | | | | | | | | | | | | | | | | | | |
| XT1546240 | AVAIL: K Measurement | 0 | | 04/22/09 | XT1546230*, XT1546990 | S8X6_FE074 | | | | | | | | | | | | | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | | |
|--|--|---------|-------------|--------------|---|---|------|--|--|------|--|--|------|--|--|--|--|--|
| | | | | | | | | | | | | | | | | | | |
| 1.05.06 X-Ray Transport System Installation & Alignment | | | | | | | | | | | | | | | | | | |
| 1.05.06.01 FEE Install | | | | | | | | | | | | | | | | | | |
| 1.05.06.01.01 FEE Installation of Cable (PCD) | | | | | | | | | | | | | | | | | | |
| XT1611010 | ED&I cable plant FEE - Ph5 (PCD) | 0 | 02/01/08A | 10/15/08A | XT_RB | S8X6_FE060 | | | | | | | | | | | | |
| S8X6_FE060 | Install cable plant FEE - Ph5 (PCD) | 0 | 05/01/08A | 10/15/08A | S8X1_00040, S8X1_0056, XT1611010 | S8X6_FE061, S8X6_FE072, S8X6_FE074, S8X6_FE080, | | | | | | | | | | | | |
| S8X6_FE061 | Install cable plant FEE - Ph6 (PCD) | 0 | 12/22/08A | 02/16/09A | S8X1_0057, S8X6_FE060 | S8X6_FE062, S8X6_FE078, S8X6_FE080, S8X6_FE091, | | | | | | | | | | | | |
| S8X6_FE062 | Install cable plant FEE (cont) - Ph6 (PCD) | 22* | 02/17/09A | 04/30/09 | S8X6_FE061 | S8X6_FE091 | | | | | | | | | | | | |
| S8X6_FE090 | Terminate cable plant FEE - Ph5 (PCD) | 0 | 03/24/09A | 05/07/09 | S8X6_FE060, S8X6_FE065, S8X6_FE072*, S8X6_FE074* | S8X6_FE095* | | | | | | | | | | | | |
| S8X6_FE091 | Terminate cable plant FEE - Ph6 (PCD) | 19 | 06/30/09* | 07/27/09 | S8X6_FE061, S8X6_FE062, S8X6_FE076, S8X6_FE078*, | S8X6_FE100* | | | | | | | | | | | | |
| 1.05.06.01.02 FEE Installation - All, excldng cable | | | | | | | | | | | | | | | | | | |
| S8X6_FE020 | Network & Monumentation- FEE | 0 | 03/03/08A | 07/31/08A | S8X6_FE010, S8X7_NH010 | S8X6_FE000, S8X6_FE022, S8X6_FE030, S8X6_FE032, | | | | | | | | | | | | |
| XT1325158 | SLAC Metrology - Wall 1 & 2 | 0 | 06/02/08A | 12/31/08A | S8X6_FE020, S8X6_FE020, S8X6_FE022, S8X6_FE022 | XT1325160 | | | | | | | | | | | | |
| S8X6_FE022 | Update Network & Monumentation- FEE | 0* | 08/01/08A | 09/10/08A | S8X6_FE020 | S8X6_FE000, S8X6_FE032, XT1325158, XT1325158 | | | | | | | | | | | | |
| S8X6_FE030 | Hole template layout (1) - FEE | 0 | 11/03/08A | 11/05/08A | S8X6_FE020 | S8X6_FE040 | | | | | | | | | | | | |
| S8X6_FE040 | Core drill holes (1): FEE | 0 | 11/06/08A | 11/12/08A | S8X6_FE030 | S8X6_FE042, S8X6_FE050 | | | | | | | | | | | | |
| S8X6_FE065 | XT Start FEE Phase 1 Installation | 0 | 03/12/09A | | S8X1_00040, S8X6_FE072 | MS3_XT100, S8X6_FE090, XT1660020 | | | | | | | | | | | | |
| S8X6_FE072 | Install FEE Phase 1 - F. Mask thru Gas Atten | 22 | 03/12/09A | 04/30/09 | S8X1_00040, S8X6_FE042, S8X6_FE060, XT12220090, S8X6_FE074 | S8X6_FE065, S8X6_FE090*, S8X6_FE095, XE2100210, XE_0241 | | | | | | | | | | | | |
| S8X6_FE066 | XT Start FEE Phase 2 Installation | 0 | 03/23/09A | | S8X6_FE074 | MS3_XT110 | | | | | | | | | | | | |
| S8X6_FE074 | Install FEE Phase 2 - Total E thru D. Imager | 22 | 03/23/09A | 04/30/09 | S8X6_FE060, XT12270090, XT12280090, XT1531240, XT1542240, | S8X6_FE066, S8X6_FE090*, S8X6_FE095, XE_0241 | | | | | | | | | | | | |
| S8X6_FE095 | Checkout FEE System (1) - XT | 20 | 04/17/09 | 05/14/09 | S8X6_FE072, S8X6_FE074, S8X6_FE090*, XT1328120 | S8X6_FE120, S8Z2_SC055, S8Z2_SC060, XE_0241 | | | | | | | | | | | | |
| S8X6_FE032 | Hole template layout (2) - FEE | 30 | 04/20/09* | 05/29/09 | S8X6_FE020, S8X6_FE022 | S8X6_FE042 | | | | | | | | | | | | |
| S8X6_FE042 | Core drill holes (2): FEE | 35 | 04/27/09* | 06/12/09 | S8X6_FE032, S8X6_FE040 | S8X6_FE050, S8X6_FE072 | | | | | | | | | | | | |
| S8X6_FE067 | XT Start FEE Phase 3 Installation | 0 | 06/15/09 | | S8X6_FE076* | MS3_XT120 | | | | | | | | | | | | |
| S8X6_FE076 | Install FEE Phase 3 - SOMS, etc. | 15 | 06/15/09 | 07/06/09 | XT12290090, XT122A0090, XT122B0090, XT122D0090, S8X6_FE078* | S8X6_FE050, S8X6_FE067*, S8X6_FE091, S8X6_FE100 | | | | | | | | | | | | |
| S8X6_FE068 | XT Start FEE Phase 4 Installation | 0 | 06/29/09 | | S8X6_FE078* | MS3_XT130 | | | | | | | | | | | | |
| S8X6_FE078 | Install FEE Phase 4 - HOMS | 15 | 06/29/09 | 07/20/09 | S8X6_FE061, XT1112040, XT122C0090, XT1320230*, | S8X6_FE050*, S8X6_FE068*, S8X6_FE091*, S8X6_FE100 | | | | | | | | | | | | |
| S8X6_FE050 | Install and align supports: FEE | 3 | 07/16/09 | 07/20/09 | S8X1_00035, S8X6_FE040, S8X6_FE042, S8X6_FE076, | S8X6_FE100 | | | | | | | | | | | | |
| S8X6_FE100 | Checkout FEE System (2) - XT | 20 | 07/28/09 | 08/24/09 | S8X6_FE000*, S8X6_FE050, S8X6_FE076, S8X6_FE078, | S8X6_FE120*, S8Z2_SC060* | | | | | | | | | | | | |
| S8X6_FE120 | FEE Install/Check Complete | 0 | 08/24/09 | | S8X6_FE095, S8X6_FE100* | MS3_XT000, S8Z2_SC060*, S8Z3_CM110* | | | | | | | | | | | | |
| 1.05.06.02 Near Hall Install | | | | | | | | | | | | | | | | | | |
| S8X7_NH001 | Start XTOD Installation - NEH | 0 | 05/01/08A | | S8X7_NH020 | S8X7_NH030 | | | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | |
|---|---|---------|-------------|--------------|--|--|------|--|--|------|--|--|------|--|--|--|--|
| | | | | | | | | | | | | | | | | | |
| 1.05.06.02 Near Hall Install | | | | | | | | | | | | | | | | | |
| S8X7_NH020 | Network & Monumentation- NEH | 0 | 05/01/08A | 07/31/08A | S8X7_NH010 | S8X7_NH000, S8X7_NH001, S8X7_NH022, S8X7_NH030, | | | | | | | | | | | |
| S8X7_NH022 | Update Network & Monumentation- NEH | 0 | 08/01/08A | 10/31/08A | S8X7_NH020 | S8X7_NH030, S8X8_XT020 | | | | | | | | | | | |
| S8X7_NH030 | Hole template layout - NEH | 4 | 04/01/09 | 04/06/09 | MS_260, S8X7_NH001, S8X7_NH020, S8X7_NH022 | S8X7_NH040* | | | | | | | | | | | |
| S8X7_NH040 | Core drill holes: NEH | 5 | 04/07/09 | 04/13/09 | S8X1_00035, S8X7_NH030* | S8X7_NH050, S8X8_XT040*, XE_S16_004 | | | | | | | | | | | |
| S8X7_NH066 | XT Start Installation in NEH | 0 | 06/17/09 | | S8X7_NH070* | MS3_XT070 | | | | | | | | | | | |
| S8X7_NH070 | Install NEH components - XT | 10 | 06/17/09 | 06/30/09 | S8X6_FE060, S8X6_FE061, S8X7_NH060, XT1331210* | S8X7_NH066*, S8X7_NH120* | | | | | | | | | | | |
| S8X7_NH120 | Terminate cable plant NEH - XT | 5 | 07/01/09 | 07/08/09 | S8X7_NH060, S8X7_NH070*, XT12320090, XT12340090 | S8X7_NH140* | | | | | | | | | | | |
| S8X7_NH140 | Checkout NEH System - XT | 5 | 07/09/09 | 07/15/09 | S8X7_NH000, S8X7_NH120* | S8Z2_SC070, S8Z3_CM110 | | | | | | | | | | | |
| 1.05.06.03 Tunnel Install | | | | | | | | | | | | | | | | | |
| S8X8_XT020 | Network & Monumentation- X-ray tunnel | 0 | 06/23/08A | 10/31/08A | S8X7_NH020, S8X7_NH022, S8X8_XT010 | S8X8_XT000*, S8X8_XT030, S8X9_FH020 | | | | | | | | | | | |
| S8X8_XT010 | X-Ray Tunnel - CF early occupancy (TCCo) | 0 | 07/14/08A | | MS3CO_025 | S8X8_XT000, S8X8_XT020, XT1340200 | | | | | | | | | | | |
| S8X8_XT030 | Hole template layout - X-ray tunnel | 0 | 02/20/09A | 02/27/09A | MS_260, S8X8_XT020 | S8X8_XT040, S8X8_XT060, S8X9_FH030 | | | | | | | | | | | |
| S8X8_XT060 | Design, Install Racks & cable plant X-Ray | 120 | 04/01/09 | 09/16/09 | S8X8_XT030 | S8X8_XT090* | | | | | | | | | | | |
| S8X8_XT040 | Core drill holes: X-Ray tunnel | 10 | 04/14/09 | 04/27/09 | S8X7_NH040*, S8X8_XT030 | S8X8_XT050*, S8X9_FH040* | | | | | | | | | | | |
| S8X8_XT050 | Install, align & grout supports: X-ray | 20 | 04/28/09 | 05/25/09 | S8X8_XT040* | S8Z1_PB110* | | | | | | | | | | | |
| S8X8_XT065 | XT Start Tunnel Installation | 0 | 07/17/09 | | S8X8_XT070* | MS3_XT050, S8X8_XT090 | | | | | | | | | | | |
| S8X8_XT070 | Install X-ray tunnel components - XT | 20 | 07/17/09 | 08/13/09 | S8X1_00040, XT1340210*, XT1340240 | S8X8_XT065*, S8X8_XT090, S8X9_FH110, S8X9_FH120 | | | | | | | | | | | |
| S8X8_XT090 | Terminate cable plant X-Ray | 10 | 09/17/09 | 09/30/09 | S8X8_XT060*, S8X8_XT065, S8X8_XT070, S8X8_XT080, S8X8_XT100, S8X8_XT080, | S8X8_XT100*, S8X8_XT110, S8X9_FH110, S8X9_FH120 | | | | | | | | | | | |
| S8X8_XT100 | Checkout X-Ray tunnel systems - XT | 10 | 10/01/09 | 10/14/09 | S8X8_XT000, S8X8_XT090* | S8X9_FH110, S8X9_FH120, S8X9_FH130, S8Z2_SC080 | | | | | | | | | | | |
| 1.05.06.04 Far Hall Install | | | | | | | | | | | | | | | | | |
| S8X9_FH020 | Network & Monumentation- FEH | 0 | 06/23/08A | 10/31/08A | S8X8_XT020, S8X9_FH010 | S8X9_FH000*, S8X9_FH030 | | | | | | | | | | | |
| S8X9_FH030 | Hole template layout - FEH | 2 | 04/01/09 | 04/02/09 | S8X8_XT030, S8X9_FH020 | S8X9_FH040 | | | | | | | | | | | |
| S8X9_FH040 | Core drill holes: FEH | 5 | 04/28/09 | 05/04/09 | S8X8_XT040*, S8X9_FH030 | S8X9_FH050* | | | | | | | | | | | |
| S8X9_FH060 | Install Racks & cable plant FEH | 115 | 06/16/09 | 11/24/09 | S8X9_FH050, S8X9_FH090* | S8X9_FH070, S8X9_FH080, S8Z1_PB120 | | | | | | | | | | | |
| S8X9_FH066 | XT Start Installation in FEH | 0 | 12/22/09 | | S8X9_FH070* | MS3_XT080 | | | | | | | | | | | |
| S8X9_FH070 | Install FEH components - XT | 15 | 12/22/09 | 01/13/10 | S8X1_00050, S8X9_FH060, S8X9_FH095*, XT1112050, | S8X9_FH066*, S8X9_FH100*, S8X9_FH110, S8X9_FH120 | | | | | | | | | | | |
| S8X9_FH110 | Checkout Far Hall systems - XT | 5 | 02/11/10 | 02/17/10 | S8X8_XT070, S8X8_XT080, S8X8_XT090, S8X8_XT100, | S8X9_FH130*, S8Z2_SC090* | | | | | | | | | | | |
| S8X9_FH130 | TUN/FEH Install/Check Complete | 0 | | 02/17/10 | S8X8_XT100, S8X8_XT110, S8X9_FH110*, S8X9_FH120* | MS3_XT071 | | | | | | | | | | | |
| 1.05.06.05 Electron Dump Enclosure Install | | | | | | | | | | | | | | | | | |
| S8X5_BD060 | Install Dump components - XT | 0 | 10/27/08A | 10/31/08A | S8X1_00040, S8X5_BD030, S8X5_BD040, XT12230090, | S8X5_BD080, XE_0141 | | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | | |
|---|--|---------|-------------|--------------|--------------------------------------|-----------------------------------|------|--|--|------|--|--|------|--|--|--|--|--|
| | | | | | | | | | | | | | | | | | | |
| 1.05.06.06 XTOD Installation Management | | | | | | | | | | | | | | | | | | |
| XT1660010 | Installation Management - FY09 | 130* | 10/01/08A | 09/30/09 | XE1660010, XT2111060 | XE1660020* | | | | | | | | | | | | |
| XT1660020 | Integration of LLNL supplied equipment | 19 | 09/01/09* | 09/25/09 | S8X6_FE065 | S8Z3_CM140* | | | | | | | | | | | | |
| 2 LCLS PROJECT - R&D, SPARES, COMMISSIONING | | | | | | | | | | | | | | | | | | |
| 2.05 X-RAY TRANSPORT & DIAGNOSTICS SYSTEMS (OPC) | | | | | | | | | | | | | | | | | | |
| 2.05.01 System Management & Integration | | | | | | | | | | | | | | | | | | |
| 2.05.01.01 Management | | | | | | | | | | | | | | | | | | |
| XT2111030 | Management & Oversight - Feb08 thru Sep08 | 0 | 02/01/08A | 09/30/08A | XT_RB | XT2111035 | | | | | | | | | | | | |
| XT2111040 | Facility Usage Charge thru FY08 | 0 | 02/01/08A | 09/30/08A | XT_RB | XT2111050 | | | | | | | | | | | | |
| XT2111035 | Management & Oversight - Oct08 | 0 | 10/01/08A | 10/31/08A | XT2111030 | XT2111060 | | | | | | | | | | | | |
| XT2111050 | Facility Usage Charge FY09/FY10 | 0* | 10/01/08A | 01/30/09A | XT2111040, XT_6502, XT_6503, XT_6504 | XT_LOE | | | | | | | | | | | | |
| XT2111060 | Design Updates - Dec08 - May09 | 43* | 12/01/08A | 05/29/09 | XT2111035 | XT1660010 | | | | | | | | | | | | |
| 2.05.04 Optical Subsystem | | | | | | | | | | | | | | | | | | |
| 2.05.04.01 Optical Subsystem R&D | | | | | | | | | | | | | | | | | | |
| XT2410010 | Coating Optimization - SOMS Substrate | 0 | 02/01/08A | 03/31/08A | XT_RB | XT2410020 | | | | | | | | | | | | |
| XT2410030 | Adv. R&D Development - HOMS Mech | 0 | 02/01/08A | 08/15/08A | XT_RB | XT14272091, XT14272100, XT2410035 | | | | | | | | | | | | |
| XT2410020 | Deposition R&D - HOMS Substrate | 0 | 02/01/08A | 02/27/09A | XT2410010, XT_RB | XT14272710, XT2410050 | | | | | | | | | | | | |
| XT2410040 | Coating Optimization - HOMS Substrate | 0 | 02/21/08A | 02/27/09A | XT14272695 | XT14272708 | | | | | | | | | | | | |
| XT2410050 | Verify Coating Stability - HOMS Substrate | 0 | 05/01/08A | 02/27/09A | XT2410020 | XT14272230 | | | | | | | | | | | | |
| XT2410035 | Prototype2 Development - HOMS Mech | 0 | 08/18/08A | 09/22/08A | XT2410030 | XT14272190 | | | | | | | | | | | | |
| 2.05.04.02 Spares for Optical Subsystem | | | | | | | | | | | | | | | | | | |
| XT2420005 | Award: Spare HOMS substrate | 0 | 03/03/08A | 03/03/08A | XT_RB | XT2420010 | | | | | | | | | | | | |
| XT2420010 | Fab/deliver spare HOMS substrate | 0 | 03/04/08A | 09/30/08A | XT2420005 | XT2420020 | | | | | | | | | | | | |
| XT2420020 | RCV: Spare HOMS substrate | 0 | 10/16/08A | 10/16/08A | XT2420010 | | | | | | | | | | | | | |
| XT2420050 | Procure Spares - FY10 | 60 | 10/02/09 | 12/24/09 | MS_265* | XT_LOE | | | | | | | | | | | | |
| 2.05.05 Diagnostics Subsystem | | | | | | | | | | | | | | | | | | |
| 2.05.05.01 Diagnostics Subsystem R&D | | | | | | | | | | | | | | | | | | |
| XT1542080 | Sensor Fab/Testing - Total Energy Measurement | 0 | 02/01/08A | 10/30/08A | XT1542070 | XT1542195 | | | | | | | | | | | | |
| XT2551010 | Wave Front Calcs - Offset Mirror System | 0 | 11/24/08A | 03/31/09A | | XT2551020 | | | | | | | | | | | | |
| XT2551020 | AVAIL: Wave Front Calcs - Offset Mirror System | 0 | | 03/31/09A | XT2551010 | XT2551030 | | | | | | | | | | | | |
| XT2551030 | REQD: Wave Front Calcs - Offset Mirror System | 0 | | 03/31/09A | XT2551020 | | | | | | | | | | | | | |

| Activity ID | Activity Description | Rem Dur | Early Start | Early Finish | Predecessors | Successors | FY08 | | | FY09 | | | FY10 | | | | |
|--|---|---------|-------------|--------------|--------------|-----------------------|------|--|--|------|--|--|------|--|--|--|--|
| | | | | | | | | | | | | | | | | | |
| 2.05.05.02 Modeling & Simulation | | | | | | | | | | | | | | | | | |
| XT_6502 | Modeling & Simulation - FY08 (LLNL\$) | 0 | 02/01/08A | 09/30/08A | XT_RB | XT2111050 | | | | | | | | | | | |
| XT_6503 | Modeling & Simulation - FY08 (SLAC\$-Kirby) | 0 | 02/01/08A | 09/30/08A | XT_RB | XT12100070, XT2111050 | | | | | | | | | | | |
| XT_6504 | Modeling & Simulation - Add'l Scope (Kirby) | 0 | 08/01/08A | 09/30/08A | XT_RB | XT2111050 | | | | | | | | | | | |
| 2.05.05.03 Spares for Diagnostics Subsystem | | | | | | | | | | | | | | | | | |
| XT_4436 | Procure Spares - Direct Imager | 60 | 10/02/09 | 12/24/09 | MS_265* | XT_LOE | | | | | | | | | | | |