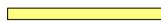


| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | |
|--|--|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | |
| 1.0 Spallation Neutron Source Project | | | | | | | | | | | | | | | | |
| 1.1 Research and Development | | | | | | | | | | | | | | | | |
| Subtotal | | 374 | 01OCT98A | 30MAR00 | 96 | 1,711,411 | 1,706,874 | | | | | | | | | |
| 1.1.9 Global Controls R&D | | | | | | | | | | | | | | | | |
| Subtotal | | 374 | 01OCT98A | 30MAR00 | 96 | 1,711,411 | 1,706,874 | | | | | | | | | |
| CT01090001 | IPL - Start Controls R&D | 0 | 01OCT98A | | 100 | 0 | 0 | | | | | | | | | |
| CT01090021 | Global Controls R&D | 374* | 01OCT98A | 30MAR00 | 0 | 0 | 0 | | | | | | | | | |
| CT01090011 | Finish Controls R&D | 0 | | 30MAR00 | 0 | 0 | 0 | | | | | | | | | |
| 1.1.9.1 Support System Implementation | | | | | | | | | | | | | | | | |
| Subtotal | | 250 | 01OCT98A | 30SEP99A | 100 | 497,176 | 497,176 | | | | | | | | | |
| CT01091050 | Start Support System Implementation | 0 | 01OCT98A | | 100 | 0 | 0 | | | | | | | | | |
| CT01191060 | System Support Implementation - LANL | 271* | 01OCT98A | 30SEP99A | 100 | 37,125 | 37,125 | | | | | | | | | |
| CT01191070 | System Support Implementation - ANL | 271* | 01OCT98A | 30SEP99A | 100 | 16,000 | 16,000 | | | | | | | | | |
| CT01191080 | System Support Implementation - BNL | 271* | 01OCT98A | 30SEP99A | 100 | 175,000 | 175,000 | | | | | | | | | |
| CT01191090 | System Support Implementation - LBNL | 271* | 01OCT98A | 30SEP99A | 100 | 187,366 | 187,366 | | | | | | | | | |
| CT01191100 | System Support Implementation - ORNL | 271* | 01OCT98A | 30SEP99A | 100 | 81,685 | 81,685 | | | | | | | | | |
| CT01191110 | Support System Implementation Complete | 0 | | 30SEP99A | 100 | 0 | 0 | | | | | | | | | |
| 1.1.9.2 Standards & Tools | | | | | | | | | | | | | | | | |
| Subtotal | | 353 | 01OCT98A | 01MAR00 | 96 | 519,659 | 516,742 | | | | | | | | | |
| CT01192010 | Start Standards & Tools R&D | 0 | 01OCT98A | | 100 | 0 | 0 | | | | | | | | | |
| CT01192080 | Develop Standards - LANL | 271* | 01OCT98A | 30SEP99A | 100 | 45,862 | 45,862 | | | | | | | | | |
| CT01192090 | Develop Standards - ANL | 271* | 01OCT98A | 30SEP99A | 100 | 0 | 0 | | | | | | | | | |
| CT01192100 | Develop Standards - BNL | 271* | 01OCT98A | 30SEP99A | 100 | 155,000 | 155,000 | | | | | | | | | |
| CT01192110 | Develop Standards - LBNL | 271* | 01OCT98A | 30SEP99A | 100 | 110,648 | 110,648 | | | | | | | | | |
| CT01192120 | Develop Standards - ORNL | 271* | 01OCT98A | 30SEP99A | 100 | 59,374 | 59,374 | | | | | | | | | |
| CT01192130 | Develop standards - FY00 | 103* | 01OCT99A | 01MAR00 | 20 | 148,775 | 145,858 | | | | | | | | | |
| 1.1.9.3 System Requirements | | | | | | | | | | | | | | | | |
| Subtotal | | 311 | 01OCT98A | 30DEC99 | 99 | 249,729 | 248,309 | | | | | | | | | |
| CT01193010 | Start System Requirements R&D | 0 | 01OCT98A | | 100 | 0 | 0 | | | | | | | | | |
| CT01193100 | Global Subsystem Requirements - LANL | 271* | 01OCT98A | 30SEP99A | 100 | 29,862 | 29,862 | | | | | | | | | |
| CT01193110 | Global Subsystem Requirements - ANL | 271* | 01OCT98A | 30SEP99A | 100 | 0 | 0 | | | | | | | | | |
| CT01193120 | Global Subsystem Requirements - BNL | 271* | 01OCT98A | 30SEP99A | 100 | 30,000 | 30,000 | | | | | | | | | |
| CT01193130 | Global Subsystem Requirements - LBNL | 271* | 01OCT98A | 30SEP99A | 100 | 62,672 | 62,672 | | | | | | | | | |
| CT01193140 | Global Subsystem Requirements - ORNL | 271* | 01OCT98A | 30SEP99A | 100 | 54,775 | 54,775 | | | | | | | | | |
| CT01193150 | Global Subsystem Development - FY00 | 61* | 01OCT99A | 30DEC99 | 30 | 72,420 | 71,000 | | | | | | | | | |
| 1.1.9.4 Integration & Support | | | | | | | | | | | | | | | | |
| Subtotal | | 374 | 01OCT98A | 30MAR00 | 96 | 444,847 | 444,647 | | | | | | | | | |
| CT01094010 | Start Integration & Support R&D | 0 | 01OCT98A | | 100 | 0 | 0 | | | | | | | | | |

Project Start 01OCT97
Project Finish 30DEC05
Data Date 01DEC99
Run Date 20DEC99

 Early Bar
 Progress Bar
 Critical Activity

SNS2

Detailed Project Schedule
Interproject Links
Rev 2 - 12/01/99

Sheet 1 of 25

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | |
|---------------------------------------|--|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | |
| CT01194050 | Integration - LBNL | 250 | 01OCT98A | | 100 | 33,289 | 33,289 | | | | | | | | | |
| CT01194020 | Integration - LANL | 271* | 01OCT98A | 30SEP99A | 100 | 211,235 | 211,235 | | | | | | | | | |
| CT01194030 | Integration - ANL | 271* | 01OCT98A | 30SEP99A | 100 | 22,961 | 22,961 | | | | | | | | | |
| CT01194040 | Integration - BNL | 271* | 01OCT98A | 30SEP99A | 100 | 61,000 | 61,000 | | | | | | | | | |
| CT01194060 | Integration - ORNL | 271* | 01OCT98A | 30SEP99A | 100 | 106,162 | 106,162 | | | | | | | | | |
| CT01194070 | FY99 Integration & Support complete | 0 | | | 100 | 0 | 0 | | | | | | | | | |
| CT01194065 | FY 00 Integration activities - ANL | 62 | 04JAN00 | 30MAR00 | 0 | 10,200 | 10,000 | | | | | | | | | |
| 1.9 Integrated Control Systems | | | | | | | | | | | | | | | | |
| Subtotal | | 1,763 | 01OCT98A | 19OCT05 | 3 | 54,281,663 | 50,542,526 | | | | | | | | | |
| CT09000180 | IPL - Start Control Systems Design | 0 | 01OCT98A | | 100 | 0 | 0 | | | | | | | | | |
| CT09000090 | IPL - CCDTL bldgs ready for global ICS install | 0 | 01DEC99 | | 0 | 0 | 0 | | | | | | | | | |
| CT09000110 | IPL - Global controls final IDD's issued | 0 | 29JUN01 | | 0 | 0 | 0 | | | | | | | | | |
| CT09000120 | IPL - RTBT bldgs ready for global ICS install | 0 | 01NOV01 | | 0 | 0 | 0 | | | | | | | | | |
| CT09000010 | IPL - Central util bldg construction complete | 0 | 04DEC01 | | 0 | 0 | 0 | | | | | | | | | |
| CT09000040 | IPL - BOD for front end & DTL building | 0 | 16JAN02 | | 0 | 0 | 0 | | | | | | | | | |
| CT09000115 | IPL - Glob ctrls prototype H/W avail for S/W dev | 0 | 31JAN02 | | 0 | 0 | 0 | | | | | | | | | |
| CT09000075 | IPL - BOD for main control room | 0 | 12FEB02 | | 0 | 0 | 0 | | | | | | | | | |
| CT09000045 | IPL - Global ICS ready for F.E. ctrls testing | 0 | | 29APR02 | 0 | 0 | 0 | | | | | | | | | |
| CT09000020 | IPL - Global ICS ready for conv. fac. checkout | 0 | | 10MAY02 | 0 | 0 | 0 | | | | | | | | | |
| CT09000100 | IPL - Ring bldgs ready for global ICS install | 0 | 15MAY02 | | 0 | 0 | 0 | | | | | | | | | |
| CT09000098 | IPL - HEBT bldgs ready for global ICS install | 0 | 20MAY02 | | 0 | 0 | 0 | | | | | | | | | |
| CT09000094 | IPL - CCL bldgs ready for global ICS install | 0 | 28MAY02 | | 0 | 0 | 0 | | | | | | | | | |
| CT09000350 | Complete ICS Title II Design | 0 | 03SEP02 | | 0 | 0 | 0 | | | | | | | | | |
| CT09000077 | IPL - Global ICS ready for DTL ctrls testing | 0 | | 15NOV02 | 0 | 0 | 0 | | | | | | | | | |
| CT09000091 | IPL - Global ICS ready for CCDTL ctrls test | 0 | | 26NOV02 | 0 | 0 | 0 | | | | | | | | | |
| CT09000095 | IPL - Global ICS ready for CCL ctrls testing | 0 | | 26NOV02 | 0 | 0 | 0 | | | | | | | | | |
| CT09000099 | Global ICS ready for HEBT ctrls testing | 0 | | 26NOV02 | 0 | 0 | 0 | | | | | | | | | |
| CT09000104 | IPL - Global ICS ready for ring ctrls testing | 0 | | 26NOV02 | 0 | 0 | 0 | | | | | | | | | |
| CT09000124 | Global ICS ready for RTBT ctrls testing | 0 | | 26NOV02 | 0 | 0 | 0 | | | | | | | | | |
| CT09000130 | IPL - BOD for Target Bldg Controls | 0 | 31OCT03 | | 0 | 0 | 0 | | | | | | | | | |
| CT09000135 | IPL - Global ICS ready for Target ctrls testing | 0 | | 02MAR04 | 0 | 0 | 0 | | | | | | | | | |
| CT09000155 | IPL - Instruments ready for global ICS install | 0 | 01OCT04 | | 0 | 0 | 0 | | | | | | | | | |
| CT09000157 | IPL - Global ICS ready for Instr I/F testing | 0 | | 29MAR05 | 0 | 0 | 0 | | | | | | | | | |
| CT09000190 | Global ICS activities complete | 0 | | 29MAR05 | 0 | 0 | 0 | | | | | | | | | |
| CT09000360 | Complete global ctrls sub-proj accept test | 0 | | 29MAR05 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.1 ICS Integration | | | | | | | | | | | | | | | | |
| Subtotal | | 1,250 | 01OCT99A | 30SEP04 | 5 | 4,473,637 | 4,158,473 | | | | | | | | | |
| CT09010010 | Start ICS integration activities | 0 | 01OCT99A | | 100 | 0 | 0 | | | | | | | | | |
| CT09010020 | ICS integration activities complete | 0 | | 01APR04 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.1.1 Project Management | | | | | | | | | | | | | | | | |
| Subtotal | | 1,250 | 01OCT99A | 30SEP04 | 5 | 4,473,637 | 4,158,473 | | | | | | | | | |
| CT09011011 | Start ICS project mgmt activities | 0 | 01OCT99A | | 100 | 0 | 0 | | | | | | | | | |
| CT09011080 | ICS project mgmt activities complete | 0 | | 01APR04 | 0 | 0 | 0 | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | |
|--|---|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | |
| 1.9.1.1.1 Title I & II Design | | | | | | | | | | | | | | | | |
| CT09011021 | ICS Integration FY00 TI & TII design | 250* | 01OCT99A | 29SEP00 | 16 | 1,211,878 | 1,170,828 | | | | | | | | | |
| CT09011031 | TI & TII design - FY00 STL (at LANL) | 250* | 01OCT99A | 29SEP00 | 16 | 0 | 0 | | | | | | | | | |
| CT09011041 | TI & TII design - FY00 Lead Engr + ORNL support | 250* | 01OCT99A | 29SEP00 | 16 | 0 | 0 | | | | | | | | | |
| CT09011051 | TI & TII design - FY00 Conferences | 250* | 01OCT99A | 29SEP00 | 16 | 0 | 0 | | | | | | | | | |
| CT09011024 | ICS Integration FY01 TI & TII design | 249* | 02OCT00 | 28SEP01 | 0 | 0 | 0 | | | | | | | | | |
| CT09011034 | TI & TII design - FY01 STL (at LANL) | 249 | 02OCT00 | 28SEP01 | 0 | 0 | 0 | | | | | | | | | |
| CT09011044 | TI & TII design - FY01 Lead Engr + ORNL support | 249 | 02OCT00 | 28SEP01 | 0 | 0 | 0 | | | | | | | | | |
| CT09011054 | TI & TII design - FY01 Conferences | 249 | 02OCT00 | 28SEP01 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.1.1.3 Installation & Start-up Support | | | | | | | | | | | | | | | | |
| CT09011060 | ICS Integ. TIII design | 875 | 02OCT00 | 01APR04 | 0 | 3,000,808 | 2,746,040 | | | | | | | | | |
| 1.9.1.1.5 Project Management Support | | | | | | | | | | | | | | | | |
| CT09011070 | Project controls activities - FY00 | 250* | 01OCT99A | 29SEP00 | 17 | 260,951 | 241,605 | | | | | | | | | |
| CT09011090 | Project controls activities - FY01-FY04 | 1,000 | 02OCT00 | 30SEP04 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.2 ICS Global Control Systems | | | | | | | | | | | | | | | | |
| Subtotal | | 1,622 | 01OCT98A | 29MAR05 | 3 | 9,216,324 | 8,487,635 | | | | | | | | | |
| CT09020010 | Start ICS global sys implementation | 0 | 01OCT98A | | 100 | 0 | 0 | | | | | | | | | |
| CT09020020 | ICS global sys complete | 0 | | 29MAR05 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.2.1 ICS Network | | | | | | | | | | | | | | | | |
| Subtotal | | 1,296 | 01OCT99A | 07DEC04 | 2 | 1,977,929 | 1,812,359 | | | | | | | | | |
| CT09021020 | Start ICS network implementation | 0 | 01OCT99A | | 100 | 0 | 0 | | | | | | | | | |
| CT09021380 | ICS network complete | 0 | | 02MAR04 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.2.1.1 Title I & II Design | | | | | | | | | | | | | | | | |
| CT09021035 | Prepare for prelim design review | 20 | 01OCT99A | 05NOV99A | 100 | 0 | 0 | | | | | | | | | |
| CT09021030 | ICS network TI & FY00 TII design | 250* | 01OCT99A | 29SEP00 | 15 | 0 | 0 | | | | | | | | | |
| CT09021025 | ICS network TI&II design | 460* | 01OCT99A | 03AUG01 | 5 | 199,685 | 193,329 | | | | | | | | | |
| CT09021043 | Prep interface control documentation | 105 | 08NOV99A | 02MAY00 | 0 | 0 | 0 | | | | | | | | | |
| CT09021040 | ICS network prelim design review | 0 | | 31JAN00 | 0 | 0 | 0 | | | | | | | | | |
| CT09021046 | Prep initial detailed design documentation | 104 | 03MAY00 | 29SEP00 | 0 | 0 | 0 | | | | | | | | | |
| CT09021050 | ICS network FY01 TII design | 210 | 02OCT00 | 03AUG01 | 0 | 0 | 0 | | | | | | | | | |
| CT09021060 | ICS network TII design review | 0 | | 06JUL01 | 0 | 0 | 0 | | | | | | | | | |
| CT09021065 | Complete title II design of ICS network | 0 | | 03AUG01 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.2.1.2 Procurement | | | | | | | | | | | | | | | | |
| CT09021070 | ICS network bid cycle | 60 | 06AUG01 | 29OCT01 | 0 | 0 | 0 | | | | | | | | | |
| CT09021125 | RTBT & Target network procurement | 60 | 08AUG01 | 31OCT01 | 0 | 0 | 0 | | | | | | | | | |
| CT09021075 | ICS network procurement contract awarded | 0 | 30OCT01 | | 0 | 0 | 0 | | | | | | | | | |
| CT09021090 | C.F. network procurement | 60 | 30OCT01 | 29JAN02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021100 | F.E. & DTL network procurement | 60 | 30OCT01 | 29JAN02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021110 | CCDTL & CCL network procurement | 60 | 30OCT01 | 29JAN02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021080 | ICS network procurement | 134* | 30OCT01 | 14MAY02 | 0 | 881,198 | 815,924 | | | | | | | | | |
| CT09021105 | Main control room network procurement | 60 | 12NOV01 | 11FEB02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021120 | HEBT & Ring network procurement | 60 | 19FEB02 | 14MAY02 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.2.1.3 Title III Engineering | | | | | | | | | | | | | | | | |
| CT09021270 | ICS Network TIII activities | 623* | 06AUG01 | 03FEB04 | 0 | 0 | 0 | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | |
|--|---|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | |
| 1.9.2.1.6 Installation | | | | | | | | | | | | | | | | |
| CT09021170 | F.E. & DTL network installation | 41 | 30JAN02 | 27MAR02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021160 | CF ctrls network installation | 62 | 30JAN02 | 26APR02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021190 | CCDTL network installation | 62 | 30JAN02 | 26APR02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021150 | ICS network installation | 503* | 30JAN02 | 03FEB04 | 0 | 486,831 | 440,312 | | | | | | | | | |
| CT09021185 | Main control room network installation | 62 | 12FEB02 | 09MAY02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021210 | Ring network installation | 62 | 15MAY02 | 13AUG02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021224 | RTBT network installation | 62 | 15MAY02 | 13AUG02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021208 | HEBT network installation | 62 | 20MAY02 | 16AUG02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021206 | CCL network installation | 62 | 28MAY02 | 23AUG02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021230 | Target network installation | 62 | 31OCT03 | 03FEB04 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.2.1.7 Checkout/Start-up | | | | | | | | | | | | | | | | |
| CT09021280 | ICS network checkout | 523* | 30JAN02 | 02MAR04 | 0 | 0 | 0 | | | | | | | | | |
| CT09021300 | F.E. & DTL network ready | 0 | | 25APR02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021310 | Main control room network ready | 0 | | 09MAY02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021290 | CF ctrls network ready | 0 | | 10MAY02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021320 | CCDTL network ready | 0 | | 24MAY02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021350 | Ring network ready | 0 | | 11SEP02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021360 | RTBT network ready | 0 | | 11SEP02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021340 | HEBT network ready | 0 | | 16SEP02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021330 | CCL network ready | 0 | | 23SEP02 | 0 | 0 | 0 | | | | | | | | | |
| CT09021370 | Target network ready | 0 | | 02MAR04 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.2.1.8 Commissioning Support | | | | | | | | | | | | | | | | |
| CT09021390 | Commissioning Support | 675 | 28MAR02 | 07DEC04 | 0 | 410,215 | 362,794 | | | | | | | | | |
| 1.9.2.2 Timing System | | | | | | | | | | | | | | | | |
| Subtotal | | 1,311 | 31DEC99 | 29MAR05 | 0 | 1,118,736 | 1,033,817 | | | | | | | | | |
| CT09022010 | Start timing sys implementation | 0 | 31DEC99 | | 0 | 0 | 0 | | | | | | | | | |
| CT09022340 | Timing system complete | 0 | | 29MAR05 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.2.2.1 Title I & II Design | | | | | | | | | | | | | | | | |
| CT09022030 | Timing sys TI & FY00 TII design | 185 | 31DEC99 | 25SEP00 | 0 | 0 | 0 | | | | | | | | | |
| CT09022020 | Timing sys TI&II design | 375* | 31DEC99 | 28JUN01 | 0 | 300,207 | 290,089 | | | | | | | | | |
| CT09022033 | Timing system prelim design review | 0 | 02MAR00 | | 0 | 0 | 0 | | | | | | | | | |
| CT09022050 | Timing sys FY01 TII design | 190 | 26SEP00 | 28JUN01 | 0 | 0 | 0 | | | | | | | | | |
| CT09022070 | Timing sys TII design review | 0 | | 31MAY01 | 0 | 0 | 0 | | | | | | | | | |
| CT09022060 | Timing sys prototypes ready | 0 | 27JUN01 | | 0 | 0 | 0 | | | | | | | | | |
| CT09022080 | Complete title II design of timing system | 0 | | 28JUN01 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.2.2.2 Procurement | | | | | | | | | | | | | | | | |
| CT09022090 | Timing sys procurement/fab | 265* | 29JUN01 | 23JUL02 | 0 | 296,540 | 276,399 | | | | | | | | | |
| CT09022110 | System test basic timing sys | 0 | | 30JAN02 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.2.2.3 Title III Engineering | | | | | | | | | | | | | | | | |
| CT09022230 | Timing sys TIII activities | 936* | 29JUN01 | 29MAR05 | 0 | 101,385 | 90,372 | | | | | | | | | |
| 1.9.2.2.4 Software | | | | | | | | | | | | | | | | |
| CT09022130 | Timing sys S/W development | 188 | 30APR01 | 30JAN02 | 0 | 84,545 | 79,528 | | | | | | | | | |
| 1.9.2.2.5 Fabrication | | | | | | | | | | | | | | | | |
| CT09022100 | Fab F.E. tim sys H/W | 125 | 29JUN01 | 31DEC01 | 0 | 4,838 | 4,543 | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | | |
|--|--|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | | |
| CT09022120 | Fab rest of timing sys H/W | 120 | 31JAN02 | 23JUL02 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.2.2.6 Installation | | | | | | | | | | | | | | | | | |
| CT09022150 | F.E. timing sys installation | 41 | 31JAN02 | 28MAR02 | 0 | 0 | 0 | | | | | | | | | | |
| CT09022140 | Timing system installation | 731* | 31JAN02 | 31DEC04 | 0 | 31,240 | 27,791 | | | | | | | | | | |
| CT09022161 | DTL timing sys installation | 62 | 24JUL02 | 18OCT02 | 0 | 0 | 0 | | | | | | | | | | |
| CT09022171 | CCDTL timing sys installation | 62 | 24JUL02 | 18OCT02 | 0 | 0 | 0 | | | | | | | | | | |
| CT09022181 | CCL timing sys installation | 62 | 24JUL02 | 18OCT02 | 0 | 0 | 0 | | | | | | | | | | |
| CT09022191 | HEBT timing sys installation | 62 | 24JUL02 | 18OCT02 | 0 | 0 | 0 | | | | | | | | | | |
| CT09022201 | Ring timing sys installation | 62 | 24JUL02 | 18OCT02 | 0 | 0 | 0 | | | | | | | | | | |
| CT09022211 | RTBT timing sys installation | 62 | 24JUL02 | 18OCT02 | 0 | 0 | 0 | | | | | | | | | | |
| CT09022221 | Instr timing sys (interface) installation | 62 | 01OCT04 | 31DEC04 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.2.2.7 Checkout/Start-up | | | | | | | | | | | | | | | | | |
| CT09022240 | Checkout / startup support | 791* | 31JAN02 | 29MAR05 | 0 | 299,981 | 265,095 | | | | | | | | | | |
| CT09022251 | F.E. timing sys ready | 0 | | 26APR02 | 0 | 0 | 0 | | | | | | | | | | |
| CT09022260 | DTL timing sys ready | 0 | | 15NOV02 | 0 | 0 | 0 | | | | | | | | | | |
| CT09022270 | CCDTL timing sys ready | 0 | | 15NOV02 | 0 | 0 | 0 | | | | | | | | | | |
| CT09022280 | CCL timing sys ready | 0 | | 15NOV02 | 0 | 0 | 0 | | | | | | | | | | |
| CT09022290 | HEBT timing sys ready | 0 | | 15NOV02 | 0 | 0 | 0 | | | | | | | | | | |
| CT09022300 | Ring timing sys ready | 0 | | 15NOV02 | 0 | 0 | 0 | | | | | | | | | | |
| CT09022310 | RTBT timing sys ready | 0 | | 15NOV02 | 0 | 0 | 0 | | | | | | | | | | |
| CT09022330 | Timing sys test with neutron chopper | 60 | 04JAN05 | 29MAR05 | 0 | 0 | 0 | | | | | | | | | | |
| CT09022320 | Instr timing sys (interface) ready | 0 | | 29MAR05 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.2.3 Equip Protection System | | | | | | | | | | | | | | | | | |
| Subtotal | | 1,042 | 31DEC99 | 02MAR04 | 0 | 1,265,593 | 1,185,137 | | | | | | | | | | |
| CT09023010 | Start equip protect sys implementation | 0 | 31DEC99 | | 0 | 0 | 0 | | | | | | | | | | |
| CT09023350 | Equip protection system complete | 0 | | 02MAR04 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.2.3.1 Title I & II Design | | | | | | | | | | | | | | | | | |
| CT09023030 | Equip protect sys TI & FY00 TII design | 185 | 31DEC99 | 25SEP00 | 0 | 0 | 0 | | | | | | | | | | |
| CT09023020 | Equip protect sys TI&II design | 375* | 31DEC99 | 28JUN01 | 0 | 441,323 | 426,448 | | | | | | | | | | |
| CT09023033 | Equip prot sys prelim design review | 0 | 05SEP00 | | 0 | 0 | 0 | | | | | | | | | | |
| CT09023050 | Equip protect sys FY01 TII design | 190 | 26SEP00 | 28JUN01 | 0 | 0 | 0 | | | | | | | | | | |
| CT09023070 | Equip protect sys TII design review | 0 | | 31MAY01 | 0 | 0 | 0 | | | | | | | | | | |
| CT09023060 | Equip protect sys prototype ready | 0 | 27JUN01 | | 0 | 0 | 0 | | | | | | | | | | |
| CT09023080 | Equip protect sys TII design complete | 0 | | 28JUN01 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.2.3.2 Procurement | | | | | | | | | | | | | | | | | |
| CT09023100 | Fab F.E. equip protect sys H/W | 125 | 29JUN01 | 31DEC01 | 0 | 0 | 0 | | | | | | | | | | |
| CT09023091 | Equip protect sys procurement/fab | 270* | 29JUN01 | 30JUL02 | 0 | 304,831 | 284,092 | | | | | | | | | | |
| CT09023110 | Factory test basic equip protect sys | 0 | | 30JAN02 | 0 | 0 | 0 | | | | | | | | | | |
| CT09023120 | Fab rest of equip protect sys H/W | 125 | 31JAN02 | 30JUL02 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.2.3.3 Title III Design | | | | | | | | | | | | | | | | | |
| CT09023251 | Equip protect sys TIII activities | 667* | 29JUN01 | 02MAR04 | 0 | 35,867 | 32,534 | | | | | | | | | | |
| 1.9.2.3.4 Software Design | | | | | | | | | | | | | | | | | |
| CT09023141 | Fast protect sys software development | 188 | 30APR01 | 30JAN02 | 0 | 171,492 | 161,315 | | | | | | | | | | |
| CT09023131 | Equipment protect sys software development | 541* | 30APR01 | 26JUN03 | 0 | 0 | 0 | | | | | | | | | | |
| CT09023151 | Run permit system software development | 500 | 27JUN01 | 26JUN03 | 0 | 0 | 0 | | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | |
|---|---|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | |
| 1.9.2.3.6 Installation | | | | | | | | | | | | | | | | |
| CT09023171 | F.E. equip protect sys installation | 41 | 31JAN02 | 28MAR02 | 0 | 0 | 0 | | | | | | | | | |
| CT09023161 | Equip protect sys installation | 502* | 31JAN02 | 03FEB04 | 0 | 32,275 | 29,127 | | | | | | | | | |
| CT09023181 | DTL equip protect sys installation | 40 | 31JUL02 | 25SEP02 | 0 | 0 | 0 | | | | | | | | | |
| CT09023191 | CCDTL equip protect sys installation | 62 | 31JUL02 | 25OCT02 | 0 | 0 | 0 | | | | | | | | | |
| CT09023201 | CCL equip protect sys installation | 62 | 31JUL02 | 25OCT02 | 0 | 0 | 0 | | | | | | | | | |
| CT09023211 | HEBT equip protect sys installation | 62 | 31JUL02 | 25OCT02 | 0 | 0 | 0 | | | | | | | | | |
| CT09023221 | Ring equip protect sys installation | 62 | 31JUL02 | 25OCT02 | 0 | 0 | 0 | | | | | | | | | |
| CT09023231 | RTBT equip protect sys installation | 62 | 31JUL02 | 25OCT02 | 0 | 0 | 0 | | | | | | | | | |
| CT09023241 | Target equip protect sys installation | 62 | 31OCT03 | 03FEB04 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.2.3.7 Checkout/Start-up | | | | | | | | | | | | | | | | |
| CT09023260 | Checkout / startup support | 522* | 31JAN02 | 02MAR04 | 0 | 279,805 | 251,621 | | | | | | | | | |
| CT09023270 | F.E. equip protect sys ready | 0 | | 26APR02 | 0 | 0 | 0 | | | | | | | | | |
| CT09023280 | DTL equip protect sys ready | 0 | | 23OCT02 | 0 | 0 | 0 | | | | | | | | | |
| CT09023290 | CCDTL equip protect sys ready | 0 | | 26NOV02 | 0 | 0 | 0 | | | | | | | | | |
| CT09023300 | CCL equip protect sys ready | 0 | | 26NOV02 | 0 | 0 | 0 | | | | | | | | | |
| CT09023310 | HEBT equip protect sys ready | 0 | | 26NOV02 | 0 | 0 | 0 | | | | | | | | | |
| CT09023320 | Ring equip protect sys ready | 0 | | 26NOV02 | 0 | 0 | 0 | | | | | | | | | |
| CT09023330 | RTBT equip protect sys ready | 0 | | 26NOV02 | 0 | 0 | 0 | | | | | | | | | |
| CT09023340 | Target equip protect sys ready | 0 | | 02MAR04 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.2.4 Computing Equipment (Servers & Displays) | | | | | | | | | | | | | | | | |
| Subtotal | | 1,229 | 01OCT99A | 31AUG04 | 1 | 882,933 | 808,671 | | | | | | | | | |
| CT09024010 | Start comp equip & control room implementation | 0 | 01OCT99A | | 100 | 0 | 0 | | | | | | | | | |
| 1.9.2.4.1 Title I & II Design | | | | | | | | | | | | | | | | |
| CT09024030 | Comp equip & ctrl room TI design | 228 | 01OCT99A | 26OCT00 | 0 | 0 | 0 | | | | | | | | | |
| CT09024020 | Comp equip & ctrl room TI&II design | 729* | 01OCT99A | 30AUG02 | 0 | 140,000 | 133,672 | | | | | | | | | |
| CT09024040 | IPL - Control room TI design review | 0 | | 30AUG00 | 0 | 0 | 0 | | | | | | | | | |
| CT09024061 | TII design phase 1 (CR layouts, equip specs, etc) | 210 | 27OCT00 | 30AUG01 | 0 | 0 | 0 | | | | | | | | | |
| CT09024071 | Equip & ctrl room TII design review | 0 | | 02AUG01 | 0 | 0 | 0 | | | | | | | | | |
| CT09024081 | Procurement specs complete | 0 | | 30AUG01 | 0 | 0 | 0 | | | | | | | | | |
| CT09024091 | TII design phase 2 (equip room additions, etc.) | 250 | 31AUG01 | 30AUG02 | 0 | 0 | 0 | | | | | | | | | |
| CT09024101 | Comp equip & ctrl room TII design complete | 0 | | 30AUG02 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.2.4.2 Procurement | | | | | | | | | | | | | | | | |
| CT09024111 | Comp equipment procurement bid cycle | 62 | 31AUG01 | 29NOV01 | 0 | 0 | 0 | | | | | | | | | |
| CT09024120 | Equipment contracts awarded | 0 | 30NOV01 | | 0 | 0 | 0 | | | | | | | | | |
| CT09024141 | F.E. ctrl room equip procurement | 62 | 30NOV01 | 01MAR02 | 0 | 0 | 0 | | | | | | | | | |
| CT09024151 | Main ctrl bldg equip procurement | 62 | 30NOV01 | 01MAR02 | 0 | 0 | 0 | | | | | | | | | |
| CT09024131 | Equipment procurement/fab | 480* | 30NOV01 | 30OCT03 | 0 | 592,451 | 538,714 | | | | | | | | | |
| CT09024161 | Ring ctrl rm equip procurement | 62 | 15FEB02 | 14MAY02 | 0 | 0 | 0 | | | | | | | | | |
| CT09024171 | Target ctrl rm equip procurement | 62 | 05AUG03 | 30OCT03 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.2.4.3 Title III Design | | | | | | | | | | | | | | | | |
| CT09024251 | Control room TIII activities | 500* | 30NOV01 | 01DEC03 | 0 | 74,456 | 67,530 | | | | | | | | | |
| CT09024181 | Comp equip & ctrl room title III design | 500 | 03SEP02 | 31AUG04 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.2.4.4 Software Design | | | | | | | | | | | | | | | | |
| CT09024191 | Control room software development | 438* | 04MAR02 | 01DEC03 | 0 | 23,983 | 21,689 | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | | |
|--|--|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | | |
| 1.9.4.1 Linac Control Systems Integration | | | | | | | | | | | | | | | | | |
| Subtotal | | 1,763 | 01OCT98A | 19OCT05 | 12 | 5,526,078 | 5,092,611 | | | | | | | | | | |
| LN19410009 | STL FY00 | 229 | 04OCT99A | 27OCT00 | 4 | 124,102 | 121,403 | | | | | | | | | | |
| LN19410015 | Support staff (db/sys mgt/proj ctrls) FY01-FY03 | 935 | 30OCT00 | 28JUL04 | 0 | 985,151 | 900,592 | | | | | | | | | | |
| LN19410010 | STL FY01-FY04 | 1,166 | 30OCT00 | 06JUN05 | 2 | 1,393,893 | 1,275,126 | | | | | | | | | | |
| LN 1941030 | IPL-Global Control Testing for DTL, CCDTL & CCL | 0 | 30JUN04 | | 0 | 0 | 0 | | | | | | | | | | |
| LN 1941020 | Linac ctrl sys integ & mgmt complete | 0 | | 19OCT05 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.4.1.2 Travel | | | | | | | | | | | | | | | | | |
| LN19410090 | FY99 Travel & Mgt | 210 | 01OCT98A | 10AUG99A | 100 | 67,000 | 67,000 | | | | | | | | | | |
| LN19410100 | FY00 Travel | 249 | 01OCT99A | 27OCT00 | 9 | 13,709 | 13,412 | | | | | | | | | | |
| LN19410110 | FY01 Travel | 248 | 30OCT00 | 26OCT01 | 0 | 32,390 | 30,780 | | | | | | | | | | |
| LN19410120 | FY02 Travel | 249 | 29OCT01 | 28OCT02 | 0 | 70,327 | 64,980 | | | | | | | | | | |
| LN19410130 | FY03 Travel | 249 | 29OCT02 | 28OCT03 | 0 | 72,277 | 64,980 | | | | | | | | | | |
| LN19410140 | FY04 Travel | 250 | 29OCT03 | 28OCT04 | 0 | 74,077 | 64,980 | | | | | | | | | | |
| LN19410150 | FY05 Travel | 242 | 29OCT04 | 19OCT05 | 0 | 74,077 | 64,980 | | | | | | | | | | |
| 1.9.4.1.3 Lab Supplies | | | | | | | | | | | | | | | | | |
| LN19410169 | Lab Supplies (consumables & equipment) FY00 | 188 | 05JAN00 | 29SEP00 | 0 | 54,990 | 53,912 | | | | | | | | | | |
| LN19410170 | Lab Supplies (consumables & equipment) FY01-FY04 | 1,190 | 02OCT00 | 14JUL05 | 0 | 960,138 | 863,953 | | | | | | | | | | |
| 1.09.04.01.04 | | | | | | | | | | | | | | | | | |
| LN19410160 | Software development FY00 | 759 | 01OCT99A | 27OCT00 | 0 | 90,247 | 88,293 | | | | | | | | | | |
| LN19410161 | Software development FY01-FY02 | 802 | 30OCT00 | 19SEP03 | 23 | 1,513,700 | 1,418,220 | | | | | | | | | | |
| 1.9.4.2 DTL Control Systems | | | | | | | | | | | | | | | | | |
| Subtotal | | 749 | 01DEC99 | 03DEC02 | 0 | 49,857 | 45,804 | | | | | | | | | | |
| LN19420005 | Start DTL Control Systems | 0 | 01DEC99* | | 0 | 0 | 0 | | | | | | | | | | |
| LN19421040 | Final Design FY01 | 269 | 02OCT00 | 30OCT01 | 0 | 0 | 0 | | | | | | | | | | |
| LN19422040 | IOC Software | 84 | 10SEP01 | 14JAN02 | 0 | 8,579 | 7,983 | | | | | | | | | | |
| LN19421050 | Final Design Review | 0 | | 30OCT01 | 0 | 0 | 0 | | | | | | | | | | |
| LN19421060 | Purchased Material | 62 | 31OCT01 | 04FEB02 | 0 | 18,140 | 16,796 | | | | | | | | | | |
| LN19421070 | Title III Design | 263* | 31OCT01 | 20NOV02 | 0 | 4,150 | 3,828 | | | | | | | | | | |
| LN19422020 | Start Fabrication & Assembly | 0 | 05FEB02 | | 0 | 0 | 0 | | | | | | | | | | |
| LN19422030 | Fabrication | 44 | 05FEB02 | 08APR02 | 0 | 3,197 | 2,960 | | | | | | | | | | |
| LN19422035 | Installation at SNS | 79 | 30JUL02 | 20NOV02 | 0 | 732 | 670 | | | | | | | | | | |
| LN19422050 | Test & Checkout at SNS | 7 | 21NOV02 | 03DEC02 | 0 | 15,059 | 13,567 | | | | | | | | | | |
| LN19422060 | DTL control systems ready | 0 | | 03DEC02 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.4.3 CCDTL Control Systems | | | | | | | | | | | | | | | | | |
| Subtotal | | 715 | 02OCT00 | 15AUG03 | 0 | 248,002 | 229,308 | | | | | | | | | | |
| LN19431040 | Final Design FY01 | 192 | 02OCT00 | 11JUL01 | 0 | 17,837 | 16,988 | | | | | | | | | | |
| LN19431050 | Final Design Review | 0 | | 11JUL01 | 0 | 0 | 0 | | | | | | | | | | |
| LN19430060 | Purchased Material FY01 | 125 | 12JUL01 | 14JAN02 | 0 | 95,876 | 89,893 | | | | | | | | | | |
| LN19431070 | Title III Design | 345* | 12JUL01 | 27NOV02 | 0 | 20,156 | 18,687 | | | | | | | | | | |
| LN19432020 | Start Fabrication & Assembly | 0 | 15JAN02 | | 0 | 0 | 0 | | | | | | | | | | |
| LN19431080 | IOC Software | 62 | 15JAN02 | 12APR02 | 0 | 18,347 | 16,988 | | | | | | | | | | |
| LN19432030 | Fabrication | 62 | 15JAN02 | 12APR02 | 0 | 15,215 | 14,088 | | | | | | | | | | |
| LN19432040 | Installation at SNS | 158 | 15APR02 | 27NOV02 | 0 | 4,196 | 3,858 | | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | | |
|--|---|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | | |
| LN19432050 | Test & Check-Out at SNS | 135 | 05FEB03 | 15AUG03 | 0 | 76,375 | 68,806 | | | | | | | | | | |
| LN19432060 | CCDTL control systems ready | 0 | | 15AUG03 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.4.4 CCL Control Systems | | | | | | | | | | | | | | | | | |
| Subtotal | | 690 | 02OCT00 | 11JUL03 | 0 | 1,788,507 | 1,645,352 | | | | | | | | | | |
| LN19441040 | Final Design FY01 | 248 | 02OCT00 | 28SEP01 | 0 | 100,893 | 96,089 | | | | | | | | | | |
| LN19441045 | Purchased Material FY01 | 250 | 04APR01 | 04APR02 | 0 | 583,824 | 548,192 | | | | | | | | | | |
| LN19441050 | Final Design Review | 0 | | 28SEP01 | 0 | 0 | 0 | | | | | | | | | | |
| LN19442020 | Start Fabrication & Assembly | 0 | 01OCT01 | | 0 | 0 | 0 | | | | | | | | | | |
| LN19442040 | IOC Software | 202 | 01OCT01 | 24JUL02 | 0 | 106,106 | 98,246 | | | | | | | | | | |
| LN19442030 | Fabrication & Assembly | 240 | 01OCT01 | 17SEP02 | 0 | 92,701 | 85,834 | | | | | | | | | | |
| LN19441052 | Title III Design | 439* | 01OCT01 | 08JUL03 | 0 | 118,120 | 108,071 | | | | | | | | | | |
| LN19442050 | Installation | 202 | 18SEP02 | 11JUL03 | 0 | 32,340 | 29,170 | | | | | | | | | | |
| LN19442060 | Test & Check-Out at SNS | 189 | 02OCT02 | 08JUL03 | 0 | 754,523 | 679,750 | | | | | | | | | | |
| LN19442070 | CCL control systems ready | 0 | | 08JUL03 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.4.5 Control Systems for Other Systems | | | | | | | | | | | | | | | | | |
| Subtotal | | 510 | 02OCT00 | 18OCT02 | 0 | 2,407,415 | 2,257,872 | | | | | | | | | | |
| LN19452710 | 1.4.5 Chopper Controls Systems Complete | 0 | | 04JUN02 | 0 | 0 | 0 | | | | | | | | | | |
| LN19451710 | 1.9.4.5 Diagnostics Controls Systems Complete | 0 | | 18OCT02* | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.4.5.1 Controls for Diagnostic Devices | | | | | | | | | | | | | | | | | |
| 1.9.4.5.1.1 DIAG Controls- Design | | | | | | | | | | | | | | | | | |
| LN19451140 | Final Design - diagnostic ctrls | 160 | 02OCT00 | 24MAY01 | 0 | 232,531 | 221,458 | | | | | | | | | | |
| LN19451150 | Final Design Review - diagnostic ctrls | 0 | | 24MAY01 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.4.5.1.2 DIAG Controls- Procurements | | | | | | | | | | | | | | | | | |
| LN19451200 | Purchased Material - diagnostic ctrls | 249 | 03JAN01 | 02JAN02 | 0 | 861,255 | 814,542 | | | | | | | | | | |
| 1.09.04.05.01.03 | | | | | | | | | | | | | | | | | |
| LN19451152 | Title III Design - diagnostic ctrls | 383* | 03JAN01 | 15JUL02 | 0 | 263,829 | 247,663 | | | | | | | | | | |
| 1.09.04.05.01.04 | | | | | | | | | | | | | | | | | |
| LN19451070 | IOC Software - diagnostic ctrls | 138 | 10SEP01 | 02APR02 | 0 | 484,851 | 450,296 | | | | | | | | | | |
| 1.9.4.5.1.5 DIAG Controls- Fab & Assembly | | | | | | | | | | | | | | | | | |
| LN19451520 | Start Fabrication & Assembly - diagnostic ctrls | 0 | 03JAN01 | | 0 | 0 | 0 | | | | | | | | | | |
| LN19451510 | Fabrication & Assembly - diagnostic ctrls | 270 | 03JAN01 | 01FEB02 | 0 | 144,774 | 136,694 | | | | | | | | | | |
| LN19451530 | Fabrication - diagnostic ctrls | 196 | 19APR01 | 01FEB02 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.4.5.1.6 DIAG Controls- Installation | | | | | | | | | | | | | | | | | |
| LN19451600 | Installation - diagnostic ctrls | 72 | 03APR02 | 15JUL02 | 0 | 32,129 | 29,749 | | | | | | | | | | |
| 1.9.4.5.1.7 DIAG Controls- Test & Check Out | | | | | | | | | | | | | | | | | |
| LN19451700 | Test & Check-Out at SNS - diagnostic ctrls | 40 | 22AUG02 | 18OCT02 | 0 | 234,598 | 215,277 | | | | | | | | | | |
| 1.9.4.5.2 Controls for Chopper | | | | | | | | | | | | | | | | | |
| 1.9.4.5.2.1 Chopper Controls- Design | | | | | | | | | | | | | | | | | |
| LN19452140 | Final Design - chopper ctrls | 250 | 02OCT00 | 02OCT01 | 0 | 4,245 | 4,042 | | | | | | | | | | |
| LN19452150 | Final Design Review - chopper ctrls | 0 | | 02OCT01 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.4.5.2.2 Chopper Controls- Procurements | | | | | | | | | | | | | | | | | |
| LN19452200 | Purchased Material - chopper ctrls | 125 | 03OCT01 | 08APR02 | 0 | 45,174 | 41,828 | | | | | | | | | | |
| 1.9.4.5.2.3 Chopper Controls- Title III | | | | | | | | | | | | | | | | | |
| LN19452300 | Title III Design - chopper ctrls | 104* | 07JAN02 | 04JUN02 | 0 | 4,863 | 4,503 | | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | |
|---|--|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | |
| 1.9.4.5.2.4 Chopper Controls | | | | | | | | | | | | | | | | |
| LN19452070 | IOC Software - chopper ctrls | 125 | 03OCT01 | 08APR02 | 0 | 88,422 | 81,872 | | | | | | | | | |
| 1.9.4.5.2.5 Chopper Controls | | | | | | | | | | | | | | | | |
| LN19452220 | Start Fabrication & Assembly - chopper ctrls | 0 | 07JAN02 | | 0 | 0 | 0 | | | | | | | | | |
| LN19452210 | Fabrication & Assembly - chopper ctrls | 64 | 07JAN02 | 08APR02 | 0 | 2,684 | 2,485 | | | | | | | | | |
| LN19452230 | Fabrication - chopper ctrls | 20 | 12MAR02 | 08APR02 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.4.5.2.6 Chopper Controls- Installation | | | | | | | | | | | | | | | | |
| LN19452600 | Installation - chopper ctrls | 20 | 09APR02 | 06MAY02 | 0 | 584 | 541 | | | | | | | | | |
| 1.9.4.5.2.7 Chopper Controls- Test & Check Out | | | | | | | | | | | | | | | | |
| LN19452700 | Test & Check-Out at SNS - chopper ctrls | 20 | 07MAY02 | 04JUN02 | 0 | 7,476 | 6,922 | | | | | | | | | |
| 1.9.4.6 Control Sys for Linac RF Power Sys | | | | | | | | | | | | | | | | |
| Subtotal | | 804 | 02OCT00 | 29DEC03 | 0 | 3,946,099 | 3,638,697 | | | | | | | | | |
| LN19461710 | 1.9.4.6 LLRF Pwr Control Systems Complete | 0 | | 29DEC03 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.4.6.1 LLRF Power System | | | | | | | | | | | | | | | | |
| 1.9.4.6.1.1 LLRF Controls- Design | | | | | | | | | | | | | | | | |
| LN19461140 | Final Design - LLRF ctrls FY01 | 82 | 02OCT00 | 02FEB01 | 0 | 140,574 | 133,880 | | | | | | | | | |
| LN19461150 | Final Design Review - LLRF ctrls | 0 | | 02FEB01 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.4.6.1.2 LLRF Controls- Procurements | | | | | | | | | | | | | | | | |
| LN19461201 | Purchased Material - LLRF ctrls FY01 | 208 | 02OCT00 | 02AUG01 | 0 | 524,079 | 499,123 | | | | | | | | | |
| 1.9.4.6.1.3 LLRF Controls- Title III | | | | | | | | | | | | | | | | |
| LN19461300 | Title III Design - LLRF ctrls | 722 | 05FEB01 | 29DEC03 | 0 | 166,984 | 153,101 | | | | | | | | | |
| 1.9.4.6.1.4 | | | | | | | | | | | | | | | | |
| LN19461070 | IOC Software - LLRF ctrls | 60 | 28JAN02 | 22APR02 | 0 | 300,634 | 278,365 | | | | | | | | | |
| 1.09.04.06.01.05 | | | | | | | | | | | | | | | | |
| LN19461220 | Start Fabrication & Assembly - LLRF ctrls | 0 | 05FEB01 | | 0 | 0 | 0 | | | | | | | | | |
| LN19461210 | Fabrication & Assembly - LLRF ctrls | 150 | 05FEB01 | 06SEP01 | 0 | 88,727 | 84,502 | | | | | | | | | |
| LN19461230 | Fabrication - LLRF ctrls | 150 | 05FEB01 | 06SEP01 | 0 | 0 | 0 | | | | | | | | | |
| 1.09.04.06.01.06 | | | | | | | | | | | | | | | | |
| LN19461010 | Installation - LLRF ctrls | 40 | 23APR02 | 18JUN02 | 0 | 19,861 | 18,390 | | | | | | | | | |
| 1.9.4.6.1.7 LLRF Controls- Test & Check Out | | | | | | | | | | | | | | | | |
| LN19461700 | Test & Check-Out at SNS - LLRF ctrls | 88 | 19AUG03 | 29DEC03 | 0 | 835,514 | 726,821 | | | | | | | | | |
| 1.9.4.6.2 HPRF Power System | | | | | | | | | | | | | | | | |
| 1.9.4.6.2.1 HPRF Controls- Design | | | | | | | | | | | | | | | | |
| LN19462130 | Final Design - HPRF ctrls FY01 | 151 | 02OCT00 | 11MAY01 | 0 | 144,867 | 137,969 | | | | | | | | | |
| LN19462160 | 805 Mhz Prelim Design Review | 0 | | 22DEC00 | 0 | 0 | 0 | | | | | | | | | |
| LN19462150 | 805 Mhz Final Design Review | 0 | | 23MAR01 | 0 | 0 | 0 | | | | | | | | | |
| LN19462135 | 402.5 Mhz Final Design Review | 0 | | 21AUG01 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.4.6.2.2 HPRF Controls- Procurements | | | | | | | | | | | | | | | | |
| LN19462200 | Purchased Material - HPRF ctrls | 175 | 29MAY01 | 11FEB02 | 0 | 595,710 | 559,307 | | | | | | | | | |
| 1.9.4.6.2.3 HPRF Controls- Title III | | | | | | | | | | | | | | | | |
| LN19462300 | Title III Design - HPRF ctrls | 397* | 02OCT00 | 08MAY02 | 0 | 162,480 | 153,101 | | | | | | | | | |
| 1.09.04.06.02.04 | | | | | | | | | | | | | | | | |
| LN19462070 | IOC Software - HPRF ctrls | 161 | 13SEP01 | 08MAY02 | 0 | 300,012 | 278,365 | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | | |
|---|---|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | | |
| 1.09.04.06.02.05 | | | | | | | | | | | | | | | | | |
| LN19462220 | Start Fabrication & Assembly - HPRF ctrls | 0 | 13SEP01 | | 0 | 0 | 0 | | | | | | | | | | |
| LN19462210 | Fabrication & Assembly - HPRF ctrls | 161 | 13SEP01 | 08MAY02 | 0 | 91,073 | 84,502 | | | | | | | | | | |
| LN19462230 | Fabrication - HPRF ctrls | 102 | 11DEC01 | 08MAY02 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.4.6.2.6 HPRF Controls- Installation | | | | | | | | | | | | | | | | | |
| LN19462600 | Installation - HPRF ctrls | 0 | 09MAY02 | 08MAY02 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.4.6.2.7 HPRF Controls- Test & Check Out | | | | | | | | | | | | | | | | | |
| LN19462700 | Test & Check-Out at SNS - HPRF ctrls | 88 | 11JUN02 | 15OCT02 | 0 | 575,584 | 531,271 | | | | | | | | | | |
| 1.9.4.7 TITLE I Design for LINAC Controls (NR\$) | | | | | | | | | | | | | | | | | |
| Subtotal | | 543 | 01DEC99 | 06FEB02 | 0 | 3,928,322 | 3,759,679 | | | | | | | | | | |
| LN19460010 | Preliminary & final design of std ctrl sys | 250 | 01DEC99 | 30NOV00 | 0 | 352,390 | 343,862 | | | | | | | | | | |
| LN19470019 | 1.9.4.7 Software Development FY00 | 167 | 03MAR00 | 27OCT00 | 0 | 415,547 | 406,040 | | | | | | | | | | |
| LN19470029 | Procurement FY00 | 167 | 03MAR00 | 27OCT00 | 0 | 35,218 | 34,412 | | | | | | | | | | |
| LN19470039 | Title III Design FY00 | 167 | 03MAR00 | 27OCT00 | 0 | 15,050 | 14,706 | | | | | | | | | | |
| LN19470038 | Title III Design HMK | 481* | 03MAR00 | 06FEB02 | 0 | 0 | 0 | | | | | | | | | | |
| LN19470050 | Fabrication | 188 | 30OCT00 | 01AUG01 | 0 | 32,566 | 31,015 | | | | | | | | | | |
| LN19470020 | 1.9.4.7 Software Development FY01 | 229 | 30OCT00 | 28SEP01 | 0 | 2,753,049 | 2,621,951 | | | | | | | | | | |
| LN19470040 | Title III Design FY01 | 229 | 30OCT00 | 28SEP01 | 0 | 47,282 | 45,030 | | | | | | | | | | |
| LN19470030 | Procurement FY01 | 250 | 30OCT00 | 30OCT01 | 0 | 202,468 | 192,734 | | | | | | | | | | |
| LN19470060 | Installation | 125 | 04MAY01 | 31OCT01 | 0 | 6,955 | 6,591 | | | | | | | | | | |
| LN19470070 | Test & Check-Out std systems at LANL | 125 | 03AUG01 | 06FEB02 | 0 | 67,797 | 63,338 | | | | | | | | | | |
| LN19470080 | Standard ctrl system designs complete | 0 | | 07SEP01 | 0 | 0 | 0 | | | | | | | | | | |
| LN19470041 | Title III Design FY02 | 24 | 01OCT01 | 02NOV01 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.5 Ring Control Systems | | | | | | | | | | | | | | | | | |
| Subtotal | | 1,594 | 01OCT98A | 01MAR05 | 3 | 13,853,929 | 13,047,515 | | | | | | | | | | |
| RI09050005 | Ring Control System Start | 0 | 01OCT98A | | 100 | 0 | 0 | | | | | | | | | | |
| RI09050015 | Ring Controls Design & Procure - Summary | 872* | 01DEC98A | 31MAY02 | 30 | 0 | 0 | | | | | | | | | | |
| RI09050025 | Ring Controls Fabrication - Summary | 540* | 30MAR01 | 29MAY03 | 0 | 0 | 0 | | | | | | | | | | |
| RI09050050 | IPL - I D D - SNS Global Controls -Final [ORNL] | 0 | | 28JUN01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09050055 | IPL - Global Controls Prototype HW Compl | 0 | | 30JAN02 | 0 | 0 | 0 | | | | | | | | | | |
| RI09050060 | IPL - All Global Controls Testing Compl [ORNL] | 0 | | 26NOV02 | 0 | 0 | 0 | | | | | | | | | | |
| RI09050080 | Ring Controls Ready > RING Syst Test | 0 | | 08MAR04 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.5.1 Ring Controls Integration | | | | | | | | | | | | | | | | | |
| Subtotal | | 1,594 | 01OCT98A | 01MAR05 | 13 | 5,478,212 | 5,273,270 | | | | | | | | | | |
| 1.9.5.1.1 Ring Controls Hardware | | | | | | | | | | | | | | | | | |
| RI09051106 | P.O. Work Station | 0 | 29JAN99A | | 100 | 0 | 0 | | | | | | | | | | |
| RI09051114 | P.O. Epics Server | 0 | 29JAN99A | | 100 | 0 | 0 | | | | | | | | | | |
| 1.9.5.1.2 Ring Controls Software Labor | | | | | | | | | | | | | | | | | |
| RI09051201 | Setup Servers & Workstations (FY99) | 249 | 01OCT98A | 30SEP99A | 100 | 444,881 | 444,881 | | | | | | | | | | |
| RI09051216 | Epics Server Installation | 0 | 30JUN99A | | 100 | 0 | 0 | | | | | | | | | | |
| RI09051218 | Setup Diagnostic Development System | 0 | 31AUG99A | | 100 | 0 | 0 | | | | | | | | | | |
| RI09051211 | Control Development Lab Complete | 0 | | 30SEP99A | 100 | 0 | 0 | | | | | | | | | | |
| RI09051220 | Setup Servers & Workstations (FY00) | 249 | 01OCT99A | 29SEP00 | 4 | 480,103 | 470,690 | | | | | | | | | | |
| RI09051230 | Setup Database (FY00) | 249 | 01OCT99A | 29SEP00 | 3 | 462,615 | 453,545 | | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | | |
|---|---|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | | |
| RI09051221 | Setup Servers & Workstations (FY01) | 248 | 02OCT00 | 28SEP01 | 0 | 494,225 | 470,690 | | | | | | | | | | |
| RI09051231 | Setup Database (FY01) | 497 | 02OCT00 | 30SEP02 | 0 | 483,039 | 453,545 | | | | | | | | | | |
| 1.9.5.1.3 Ring Controls Training | | | | | | | | | | | | | | | | | |
| RI09051310 | Training (AR) (FY00) | 249 | 01OCT99A | 29SEP00 | 2 | 31,090 | 30,480 | | | | | | | | | | |
| RI09051311 | Training (AR) (FY01+) | 1,096 | 02OCT00 | 01MAR05 | 0 | 33,503 | 30,480 | | | | | | | | | | |
| 1.9.5.1.4 Ring Controls Networking | | | | | | | | | | | | | | | | | |
| RI09051403 | Define Local Network Requirements | 0 | 29JAN99A | | 100 | 0 | 0 | | | | | | | | | | |
| RI09051450 | Setup Network (FY00) | 249 | 01OCT99A | 29SEP00 | 4 | 449,021 | 440,217 | | | | | | | | | | |
| RI09051451 | Setup Network (FY01) | 248 | 02OCT00 | 28SEP01 | 0 | 462,229 | 440,217 | | | | | | | | | | |
| RI09051431 | Network Complete | 0 | | 30SEP02 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.5.1.5 Ring Controls I O C ' s | | | | | | | | | | | | | | | | | |
| RI09051510 | Setup IOC's for Development (FY99) | 249 | 01OCT98A | 30SEP99A | 100 | 0 | 0 | | | | | | | | | | |
| RI09051525 | Setup IOC's for Development (FY00) | 248 | 01OCT99A | 29SEP00 | 0 | 480,103 | 470,690 | | | | | | | | | | |
| RI09051526 | Setup IOC's for Development (FY01) | 21 | 02OCT00 | 30OCT00 | 0 | 494,225 | 470,690 | | | | | | | | | | |
| 1.9.5.1.6 Ring Controls P L C & Test Equipment | | | | | | | | | | | | | | | | | |
| RI09051612 | P.O. PLC for Prototype Sys. | 0 | 30APR99A | | 100 | 0 | 0 | | | | | | | | | | |
| 1.9.5.1.7 Ring Controls Travel | | | | | | | | | | | | | | | | | |
| RI09051710 | Ring Controls Travel (AR) (FY00) | 249 | 01OCT99A | 29SEP00 | 2 | 550,800 | 540,000 | | | | | | | | | | |
| RI09051711 | Ring Controls Travel (AR) (FY01) | 1,092 | 02OCT00 | 23FEB05 | 0 | 593,481 | 540,000 | | | | | | | | | | |
| 1.9.5.1.8 Ring Controls Packing & Shipping | | | | | | | | | | | | | | | | | |
| RI09051810 | Ring Controls Pack & Ship (AR) | 380 | 17APR02 | 22OCT03 | 0 | 18,897 | 17,145 | | | | | | | | | | |
| 1.9.5.2 HEBT Controls | | | | | | | | | | | | | | | | | |
| Subtotal | | 1,306 | 01OCT99A | 31DEC04 | 0 | 2,599,014 | 2,407,067 | | | | | | | | | | |
| 1.9.5.2.1 HEBT I O C Hardware | | | | | | | | | | | | | | | | | |
| RI09052110 | HEBT I O C Hardware | 498 | 13NOV00 | 12NOV02 | 0 | 106,861 | 100,000 | | | | | | | | | | |
| 1.9.5.2.2 HEBT I O C Support [Eng & Tech] | | | | | | | | | | | | | | | | | |
| RI09052210 | HEBT I O C Support (FY00) | 249 | 01OCT99A | 29SEP00 | 2 | 153,000 | 150,000 | | | | | | | | | | |
| RI09052211 | HEBT I O C Support (FY01) | 1,057 | 02OCT00 | 31DEC04 | 0 | 165,976 | 150,000 | | | | | | | | | | |
| 1.9.5.2.3 HEBT Software (Labor) | | | | | | | | | | | | | | | | | |
| RI09052302 | H EBT Controls Design - Summary | 248* | 01AUG00 | 30JUL01 | 0 | 144,234 | 138,050 | | | | | | | | | | |
| RI09052305 | HEBT Controls Fabrication -Summary | 556* | 30MAR01 | 20JUN03 | 0 | 1,713,969 | 1,582,817 | | | | | | | | | | |
| RI09052307 | HEBT Controls SW/HW Test -Summary | 612* | 31JUL01 | 15JAN04 | 0 | 314,974 | 286,200 | | | | | | | | | | |
| RI09052309 | HEBT Controls Ready for HEBT Syst Test | 0 | | 22SEP03 | 0 | 0 | 0 | | | | | | | | | | |
| RI09052308 | HEBT Controls Install & Test Complete | 0 | | 20OCT03 | 0 | 0 | 0 | | | | | | | | | | |
| HEBT Power Supplies | | | | | | | | | | | | | | | | | |
| RI090523B2 | *[HEBT Power Supplies - I D D - Prelim/Final] | 84* | 11APR00 | 09AUG00 | 0 | 0 | 0 | | | | | | | | | | |
| RI09052314 | Power Supplies S/W Design & Procure (FY99) | 125 | 02OCT00 | 04APR01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09052318 | Power Supplies SW/HW Test | 227* | 09JAN03 | 04DEC03 | 0 | 0 | 0 | | | | | | | | | | |
| RI090523B6 | *[HEBT Power Supplies Install & Test] | 227* | 09JAN03 | 04DEC03 | 0 | 0 | 0 | | | | | | | | | | |
| RI09052316 | Power Supplies Software Fabricate | 84 | 30JAN03 | 29MAY03 | 0 | 0 | 0 | | | | | | | | | | |
| RI090523B4 | *[HEBT Power Supplies Hardware Test] | 65* | 30MAY03 | 02SEP03 | 0 | 0 | 0 | | | | | | | | | | |
| HEBT Vacuum System | | | | | | | | | | | | | | | | | |
| RI090523H2 | *[HEBT Vacuum - I D D - Prelim/Final] | 40* | 02JAN01 | 28FEB01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09052334 | Vacuum Software Design & Procurement | 125 | 31JAN01 | 30JUL01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09052336 | Vacuum Software Fabricate | 84 | 16JAN02 | 15MAY02 | 0 | 0 | 0 | | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | | |
|---|--|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | | |
| RI090533K4 | *[Ring RF Hardware Test -RF Beam Cont Syst] | 349* | 09APR02 | 29AUG03 | 0 | 0 | 0 | | | | | | | | | | |
| RI090533L4 | *[Ring RF HW Test - RF Beam Loading Comp.] | 122* | 01JUL02 | 27DEC02 | 0 | 0 | 0 | | | | | | | | | | |
| RI090533L6 | *[Ring RF Comp. Test & Integration@Site] | 149* | 31JUL03 | 08MAR04 | 0 | 0 | 0 | | | | | | | | | | |
| Ring Beam Position Monitor [BPM] | | | | | | | | | | | | | | | | | |
| RI090533N2 | *[Ring Beam Position Monitor I D D - Prel/Final] | 248* | 01FEB00 | 29JAN01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053371 | Software Design & Prototype | 180 | 01AUG00 | 20APR01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053372 | Software Fabricate | 84 | 06JUL01 | 01NOV01 | 0 | 0 | 0 | | | | | | | | | | |
| RI090533N4 | *[Ring Hardware Test - BPM Electronics] | 474* | 02NOV01 | 30SEP03 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053373 | SW/HW Test - Summary | 574* | 02NOV01 | 27FEB04 | 0 | 0 | 0 | | | | | | | | | | |
| RI090533N6 | *[Ring Beam Position Monitor Comp.Test@site] | 100* | 01OCT03 | 27FEB04 | 0 | 0 | 0 | | | | | | | | | | |
| Ring Beam Profile Monitor [BProfM] | | | | | | | | | | | | | | | | | |
| RI090533P2 | *[Ring Beam Profile Monitor I D D -Prelim/Final] | 248* | 01FEB00 | 29JAN01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053374 | Software Design & Prototype | 248 | 01AUG00 | 30JUL01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053375 | Software Fabricate | 84 | 27NOV02 | 31MAR03 | 0 | 0 | 0 | | | | | | | | | | |
| RI090533P4 | *[Ring Hardware Test] | 64* | 01APR03 | 30JUN03 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053376 | SW/HW Test - Summary | 187* | 01APR03 | 30DEC03 | 0 | 0 | 0 | | | | | | | | | | |
| RI090533P6 | *[Ring Beam Profile Monitor Comp.Test@Site] | 86* | 25AUG03 | 30DEC03 | 0 | 0 | 0 | | | | | | | | | | |
| Ring Beam Loss Monitor [BLM] | | | | | | | | | | | | | | | | | |
| RI090533Q2 | *[Ring Beam Loss Monitor I D D -Prelim/Final] | 248* | 01FEB00 | 29JAN01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053377 | Software Design & Prototype | 248 | 01AUG00 | 30JUL01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053378 | Software Fabricate | 84 | 13AUG02 | 12DEC02 | 0 | 0 | 0 | | | | | | | | | | |
| RI090533Q4 | *[Ring Hardware Test] | 184* | 13DEC02 | 09SEP03 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053379 | SW/HW Test - Summary | 279* | 13DEC02 | 29JAN04 | 0 | 0 | 0 | | | | | | | | | | |
| RI090533Q6 | *[Ring Beam Loss Monitor Comp.Test@Site] | 64* | 23OCT03 | 29JAN04 | 0 | 0 | 0 | | | | | | | | | | |
| Ring Beam Current Monitor [BCM] | | | | | | | | | | | | | | | | | |
| RI090533R2 | *[Ring Beam Current Monitor I D D- Prelim/Final] | 248* | 01FEB00 | 29JAN01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053380 | Software Design & Prototype | 248 | 01AUG00 | 30JUL01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053381 | Software Fabricate | 84 | 06JAN03 | 05MAY03 | 0 | 0 | 0 | | | | | | | | | | |
| RI090533R4 | *[Ring Hardware Test] | 126* | 06MAY03 | 03NOV03 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053382 | SW/HW Test - Summary | 225* | 06MAY03 | 31MAR04 | 0 | 0 | 0 | | | | | | | | | | |
| RI090533R6 | *[Ring Beam Current Monitor Comp. Test@Site] | 54* | 14JAN04 | 31MAR04 | 0 | 0 | 0 | | | | | | | | | | |
| Ring Tune Monitor [TM] | | | | | | | | | | | | | | | | | |
| RI090533S2 | *[Ring Tune Monitor I D D -Prel/Final] | 248* | 01FEB00 | 29JAN01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053383 | Software Design & Prototype | 248 | 01AUG00 | 30JUL01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053384 | Software Fabricate | 84 | 25JUL02 | 25NOV02 | 0 | 0 | 0 | | | | | | | | | | |
| RI090533S4 | *[Ring Hardware Test] | 56* | 26NOV02 | 18FEB03 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053385 | SW/HW Test - Summary | 328* | 26NOV02 | 22MAR04 | 0 | 0 | 0 | | | | | | | | | | |
| RI090533S6 | *[Ring Tune Monitor Comp.Test @Site] | 83* | 18NOV03 | 22MAR04 | 0 | 0 | 0 | | | | | | | | | | |
| Ring Beam-In-Gap (BIG) Cleaner/Monitor | | | | | | | | | | | | | | | | | |
| RI090533T2 | *[Ring BIG Cleaner/Monitor I D D - Prelim/Final] | 248* | 01FEB00 | 29JAN01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053386 | Software Design & Prototype | 248 | 01AUG00 | 30JUL01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053387 | Software Fabricate | 84 | 28DEC01 | 29APR02 | 0 | 0 | 0 | | | | | | | | | | |
| RI090533T4 | *[Ring Hardware Test] | 126* | 30APR02 | 28OCT02 | 0 | 0 | 0 | | | | | | | | | | |
| RI09053388 | SW/HW Test - Summary | 272* | 30APR02 | 02JUN03 | 0 | 0 | 0 | | | | | | | | | | |
| RI090533T6 | *[Ring BIG Cleaner/Monitor Test@Site] | 125* | 02DEC02 | 02JUN03 | 0 | 0 | 0 | | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | |
|---|--|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | |
| 1.09.05.03.03.17 | | | | | | | | | | | | | | | | |
| RI090533V2 | Ring Coll/ Scraper I D D - Prel/Final | 42* | 24APR01 | 21JUN01 | 0 | 0 | 0 | | | | | | | | | |
| RI09053393 | Software Design & Prototype | 126 | 23MAY01 | 21NOV01 | 0 | 0 | 0 | | | | | | | | | |
| RI09053394 | Software Fabricate | 84 | 16APR03 | 14AUG03 | 0 | 0 | 0 | | | | | | | | | |
| RI09053395 | SW/HW Test - Summary | 60* | 15AUG03 | 07NOV03 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.5.4 RTBT Controls | | | | | | | | | | | | | | | | |
| Subtotal | | 1,341 | 01OCT99A | 23FEB05 | 0 | 2,385,084 | 2,198,858 | | | | | | | | | |
| 1.9.5.4.1 RTBT I O C Hardware | | | | | | | | | | | | | | | | |
| RI09054110 | RTBT I O C Hardware | 498 | 08MAY00 | 07MAY02 | 0 | 105,289 | 100,000 | | | | | | | | | |
| 1.9.5.4.2 RTBT I O C Support (Eng& Tech) | | | | | | | | | | | | | | | | |
| RI09054210 | RTBT I O C Support | 249 | 01OCT99A | 29SEP00 | 2 | 153,000 | 150,000 | | | | | | | | | |
| RI09054211 | RTBT I O C Support | 1,092 | 02OCT00 | 23FEB05 | 0 | 166,282 | 150,000 | | | | | | | | | |
| 1.9.5.4.3 RTBT Software (Labor) | | | | | | | | | | | | | | | | |
| RI09054302 | RTBT Controls Design -Summary | 437* | 01AUG00 | 02MAY02 | 0 | 145,929 | 138,050 | | | | | | | | | |
| RI09054305 | RTBT Controls Fabrication -Summary | 459* | 31JUL01 | 03JUN03 | 0 | 1,495,718 | 1,374,608 | | | | | | | | | |
| RI09054307 | RTBT Controls SW/HW Test-Summary | 761* | 31JUL01 | 18AUG04 | 0 | 318,866 | 286,200 | | | | | | | | | |
| RI09054308 | RTBT Controls Install & Test Complete | 0 | | 30APR04 | 0 | 0 | 0 | | | | | | | | | |
| RI09054309 | RTBT Controls Ready for RTBT Syst Test | 0 | | 21JUN04 | 0 | 0 | 0 | | | | | | | | | |
| RTBT Power Supplies | | | | | | | | | | | | | | | | |
| RI090543C2 | *[RTBT Quad PS I D D - Prelim/Final] | 84* | 30OCT00 | 06MAR01 | 0 | 0 | 0 | | | | | | | | | |
| RI090543B2 | *[RTBT Dipole PS I D D - Prelim/Final] | 84* | 28DEC00 | 27APR01 | 0 | 0 | 0 | | | | | | | | | |
| RI090543D2 | *[RTBT Low Power PS I D D -Prelim/Final] | 84* | 31JAN01 | 30MAY01 | 0 | 0 | 0 | | | | | | | | | |
| RI09054314 | Software Design & Procurement | 248 | 04MAY01 | 02MAY02 | 0 | 0 | 0 | | | | | | | | | |
| RI09054316 | Software Fabricate | 84 | 27DEC02 | 28APR03 | 0 | 0 | 0 | | | | | | | | | |
| RI090543C4 | *[RTBT Hardware Test - Quad PS] | 63* | 29APR03 | 29JUL03 | 0 | 0 | 0 | | | | | | | | | |
| RI09054318 | SW/HW Test - Summary | 287* | 29APR03 | 21JUN04 | 0 | 0 | 0 | | | | | | | | | |
| RI090543D4 | *[RTBT Hardware Test - Low Power PS] | 142* | 30MAY03 | 23DEC03 | 0 | 0 | 0 | | | | | | | | | |
| RI090543B4 | *[RTBT Hardware Test - Dipole PS] | 117* | 11NOV03 | 30APR04 | 0 | 0 | 0 | | | | | | | | | |
| RI090543C6 | *[RTBT Final Test - Quad PS] | 100* | 30JAN04 | 21JUN04 | 0 | 0 | 0 | | | | | | | | | |
| RTBT Vacuum System | | | | | | | | | | | | | | | | |
| RI090543H2 | *[RTBT Vacuum I D D - Prelim/Final] | 291* | 01AUG00 | 28SEP01 | 0 | 0 | 0 | | | | | | | | | |
| RI09054334 | Software Design & Procurement | 249 | 01FEB01 | 31JAN02 | 0 | 0 | 0 | | | | | | | | | |
| RI09054336 | Software Fabricate | 84 | 11JUN02 | 09OCT02 | 0 | 0 | 0 | | | | | | | | | |
| RI090543H4 | *[RTBT Hardware Test] | 179* | 10OCT02 | 30JUN03 | 0 | 0 | 0 | | | | | | | | | |
| RI09054338 | SW/HW Test | 200 | 10OCT02 | 31JUL03 | 0 | 0 | 0 | | | | | | | | | |
| RTBT Beam Loss Monitor [BLM] | | | | | | | | | | | | | | | | |
| RI090543N2 | *[RTBT Beam Loss Monitor I D D - Prelim/Final] | 248* | 01FEB00 | 29JAN01 | 0 | 0 | 0 | | | | | | | | | |
| RI09054371 | Software Design & Prototype | 248 | 01AUG00 | 30JUL01 | 0 | 0 | 0 | | | | | | | | | |
| RI09054372 | Software Fabricate | 84 | 22AUG02 | 23DEC02 | 0 | 0 | 0 | | | | | | | | | |
| RI090543N4 | *[RTBT Hardware Test] | 171* | 26DEC02 | 29AUG03 | 0 | 0 | 0 | | | | | | | | | |
| RI09054373 | SW/HW Test - Summary | 300* | 26DEC02 | 10MAR04 | 0 | 0 | 0 | | | | | | | | | |
| RI090543N6 | *[RTBT Beam Loss Monitor Comp. Test@Site] | 50* | 29DEC03 | 10MAR04 | 0 | 0 | 0 | | | | | | | | | |
| RTBT Beam Current Monitor [BCM] | | | | | | | | | | | | | | | | |
| RI090543P2 | *[RTBT Beam Current Monitor I D D- Prelim/Final] | 248* | 01FEB00 | 29JAN01 | 0 | 0 | 0 | | | | | | | | | |
| RI09054374 | Software Design & Prototype | 200 | 01AUG00 | 18MAY01 | 0 | 0 | 0 | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | | |
|--|--|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | | |
| RI09054375 | Software Fabricate | 84 | 31AUG01 | 04JAN02 | 0 | 0 | 0 | | | | | | | | | | |
| RI090543P4 | *[RTBT Hardware Test] | 328* | 07JAN02 | 29APR03 | 0 | 0 | 0 | | | | | | | | | | |
| RI09054376 | SW/HW Test - Summary | 513* | 07JAN02 | 28JAN04 | 0 | 0 | 0 | | | | | | | | | | |
| RI090543P6 | *[RTBT Beam Current Monitor Comp. Test@Site] | 20* | 30DEC03 | 28JAN04 | 0 | 0 | 0 | | | | | | | | | | |
| RTBT Beam Position Monitor [BPM] | | | | | | | | | | | | | | | | | |
| RI090543Q2 | *[RTBT Beam Position Monitor I D D-Prelim/Final] | 248* | 01FEB00 | 29JAN01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09054377 | Software Design & Prototype | 248 | 01AUG00 | 30JUL01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09054378 | Software Fabricate | 83 | 31JUL01 | 28NOV01 | 0 | 0 | 0 | | | | | | | | | | |
| RI090543Q4 | *[Hardware Test] | 188* | 31JUL01 | 01MAY02 | 0 | 0 | 0 | | | | | | | | | | |
| RI09054379 | SW/HW Test - Summary | 761* | 31JUL01 | 18AUG04 | 0 | 0 | 0 | | | | | | | | | | |
| RI090543Q6 | *[Beam Pos Mon. Comp. Test@Site] | 50* | 08JUN04 | 18AUG04 | 0 | 0 | 0 | | | | | | | | | | |
| RTBT Extraction Dump & Target Harps | | | | | | | | | | | | | | | | | |
| RI090543R2 | *[RTBTExt Dump&Target Harps I D D -Prelim/Final] | 248* | 01FEB00 | 29JAN01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09054380 | Software Design & Prototype | 248 | 01AUG00 | 30JUL01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09054381 | Software Fabricate | 84 | 22MAY02 | 20SEP02 | 0 | 0 | 0 | | | | | | | | | | |
| RI090543R4 | *[Hardware Test] | 63* | 23SEP02 | 23DEC02 | 0 | 0 | 0 | | | | | | | | | | |
| RI09054382 | SW/HW Test - Summary | 272* | 23SEP02 | 23OCT03 | 0 | 0 | 0 | | | | | | | | | | |
| RI090543R6 | *[Ext Dump& Target Harps Comp. Test@Site] | 90* | 17JUN03 | 23OCT03 | 0 | 0 | 0 | | | | | | | | | | |
| RTBT Beam Profile Monitor [BProfM] | | | | | | | | | | | | | | | | | |
| RI090543S2 | *[RTBT Beam Profile Monitor I D D- Prelim/Final] | 248* | 01FEB00 | 29JAN01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09054383 | Software Design & Prototype | 248 | 01AUG00 | 30JUL01 | 0 | 0 | 0 | | | | | | | | | | |
| RI09054384 | Software Fabricate | 84 | 04FEB03 | 03JUN03 | 0 | 0 | 0 | | | | | | | | | | |
| RI090543S4 | *[Hardware Test] | 19* | 04JUN03 | 30JUN03 | 0 | 0 | 0 | | | | | | | | | | |
| RI09054385 | SW/HW Test - Summary | 165* | 04JUN03 | 03FEB04 | 0 | 0 | 0 | | | | | | | | | | |
| RI090543S6 | *[Beam Profile Monitor Comp. Test@Site] | 20* | 06JAN04 | 03FEB04 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.5.5 Application Software | | | | | | | | | | | | | | | | | |
| Subtotal | | 1,265 | 01DEC98A | 31DEC03 | 19 | 2,105,639 | 1,982,192 | | | | | | | | | | |
| RI09055030 | Application Software Install & Test Complete | 0 | | 31DEC03 | 0 | 0 | 0 | | | | | | | | | | |
| RI09055031 | Application Software & Modeling Start | 0 | 02JAN04 | | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.5.5.1 Application Software/Software Support | | | | | | | | | | | | | | | | | |
| RI09055101 | DB Design / Prototype (FY99) | 209 | 01DEC98A | 30SEP99A | 100 | 134,947 | 134,947 | | | | | | | | | | |
| RI09055111 | App SW Design & Prototype(FY99) | 209 | 01DEC98A | 30SEP99A | 100 | 0 | 0 | | | | | | | | | | |
| RI09055114 | Evaluate EPICS System | 0 | 31MAY99A | | 100 | 0 | 0 | | | | | | | | | | |
| RI09055102 | DB Design / Prototype (FY00) | 249 | 01OCT99A | 29SEP00 | 5 | 225,456 | 221,035 | | | | | | | | | | |
| RI09055112 | App SW Design & Prototype (FY00) | 249 | 01OCT99A | 29SEP00 | 2 | 225,456 | 221,035 | | | | | | | | | | |
| RI09055103 | DB Design / Prototype (FY01) | 166 | 02OCT00 | 01JUN01 | 0 | 232,087 | 221,035 | | | | | | | | | | |
| RI09055113 | App SW Design & Prototype (FY01+) | 807 | 02OCT00 | 31DEC03 | 0 | 240,230 | 221,035 | | | | | | | | | | |
| RI09055120 | Fabricate | 202 | 04JUN01 | 27MAR02 | 0 | 342,808 | 321,035 | | | | | | | | | | |
| RI09055130 | Test | 270 | 03AUG01 | 03SEP02 | 0 | 345,291 | 321,035 | | | | | | | | | | |
| RI09055150 | Install | 329 | 04SEP02 | 31DEC03 | 0 | 359,364 | 321,035 | | | | | | | | | | |
| 1.9.5.5.2 Application Software Tools | | | | | | | | | | | | | | | | | |
| RI09055204 | Order Database System | 0 | 30APR99A | | 100 | 0 | 0 | | | | | | | | | | |
| RI09055206 | P.O. Software Tools | 0 | 30SEP99A | | 100 | 0 | 0 | | | | | | | | | | |
| 1.9.6 Target Global Controls | | | | | | | | | | | | | | | | | |
| Subtotal | | 1,406 | 01OCT98A | 17MAY04 | 4 | 1,967,971 | 1,811,725 | | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | |
|--|--|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | |
| 1.9.6.1 Target Controls Integration | | | | | | | | | | | | | | | | |
| Subtotal | | 1,406 | 01OCT98A | 17MAY04 | 11 | 645,141 | 602,078 | | | | | | | | | |
| TG09061720 | Revise design manual | 52 | 01OCT98A | 15DEC98A | 100 | 0 | 0 | | | | | | | | | |
| TG09061710 | Target ctrls FY99 title I design | 250* | 01OCT98A | 30SEP99A | 100 | 49,298 | 49,298 | | | | | | | | | |
| TG09061730 | Issue design manual for review | 0 | | 15DEC98A | 100 | 0 | 0 | | | | | | | | | |
| TG09061740 | Design development | 86 | 16DEC98A | 30APR99A | 100 | 0 | 0 | | | | | | | | | |
| TG09061780 | Review costs | 20 | 22APR99A | 19MAY99A | 100 | 0 | 0 | | | | | | | | | |
| TG09061770 | Issue design drawings | 0 | | 30APR99A | 100 | 0 | 0 | | | | | | | | | |
| TG09061790 | Issue cost changes for review | 0 | | 19MAY99A | 100 | 0 | 0 | | | | | | | | | |
| TG09061800 | Update design | 90 | 20MAY99A | 30SEP99A | 100 | 0 | 0 | | | | | | | | | |
| TG09060075 | FY00 Title I design | 110 | 30SEP99A | 27MAR00 | 0 | 0 | 0 | | | | | | | | | |
| TG09060072 | FY00 Title I & II design | 260* | 30SEP99A | 12OCT00 | 0 | 79,978 | 78,336 | | | | | | | | | |
| TG09060050 | Start FY00 design activities | 0 | 01OCT99A | | 100 | 0 | 0 | | | | | | | | | |
| TG09060070 | Integration System Cont | 1,156* | 01OCT99A | 17MAY04 | 3 | 0 | 0 | | | | | | | | | |
| TG09060080 | Mid-title I design review | 0 | | 27MAR00 | 0 | 0 | 0 | | | | | | | | | |
| TG09060040 | TII design: S/W dev. sys | 138 | 28MAR00 | 12OCT00 | 0 | 0 | 0 | | | | | | | | | |
| TG 0906043 | End FY00 TII design | 0 | 13OCT00 | | 0 | 0 | 0 | | | | | | | | | |
| TG09060160 | Procure S/W devel sys | 125 | 13OCT00 | 16APR01 | 0 | 0 | 0 | | | | | | | | | |
| TG09060060 | TII design: TPS I/F, S/W dev sys, etc. | 396* | 13OCT00 | 15MAY02 | 0 | 82,055 | 77,278 | | | | | | | | | |
| TG09060100 | TII design: TPS I/F | 396* | 13OCT00 | 15MAY02 | 0 | 0 | 0 | | | | | | | | | |
| TG09060180 | Procure TPS I/F IOC & S/W dev sys | 688* | 13OCT00 | 17JUL03 | 0 | 164,126 | 152,227 | | | | | | | | | |
| TG09060045 | FY01 - FY04 Design | 897* | 13OCT00 | 17MAY04 | 0 | 233,255 | 212,807 | | | | | | | | | |
| TG09060200 | Procure TPS I/F IOC | 188* | 15OCT02 | 17JUL03 | 0 | 0 | 0 | | | | | | | | | |
| TG09060120 | Title III design and checkout: Dev Sys | 397* | 15OCT02 | 17MAY04 | 0 | 26,283 | 23,183 | | | | | | | | | |
| TG09060140 | EPICS I/F DN, RTP etc | 397* | 15OCT02 | 17MAY04 | 0 | 10,146 | 8,949 | | | | | | | | | |
| TG09060220 | Install TPS I/F IOC | 41* | 22JAN04 | 18MAR04 | 0 | 0 | 0 | | | | | | | | | |
| TG09060240 | I&C tech support: TPS I/F, etc. | 82* | 22JAN04 | 17MAY04 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.6.2 Target Systems | | | | | | | | | | | | | | | | |
| Subtotal | | 876 | 13OCT00 | 16APR04 | 0 | 284,377 | 259,311 | | | | | | | | | |
| TG09060280 | Title I & II design: Tgt sys ctrls | 387* | 13OCT00 | 02MAY02 | 5 | 12,866 | 12,122 | | | | | | | | | |
| TG09060360 | Procurement: Tgt sys IOC | 375* | 27JUL01 | 28JAN03 | 0 | 153,104 | 141,396 | | | | | | | | | |
| TG09060320 | Title III design & checkout: Tgt sys ctrls | 590* | 06DEC01 | 16APR04 | 0 | 16,703 | 15,001 | | | | | | | | | |
| TG09060340 | Software design & test: Tgt sys ctrls | 590* | 06DEC01 | 16APR04 | 0 | 88,578 | 79,552 | | | | | | | | | |
| TG09060380 | Installation: Tgt sys IOC cab | 5 | 20MAR03 | 26MAR03 | 0 | 455 | 410 | | | | | | | | | |
| TG09060400 | I&C tech support: Tgt sys ctrls | 40* | 20FEB04 | 16APR04 | 0 | 12,671 | 10,830 | | | | | | | | | |
| TG09060420 | IPL - Tgt sys ICS ctrls ready | 0 | | 16APR04 | 0 | 0 | 0 | | | | | | | | | |
| 1.9.6.3 Moderator Systems | | | | | | | | | | | | | | | | |
| Subtotal | | 743 | 13OCT00 | 03OCT03 | 0 | 62,316 | 56,978 | | | | | | | | | |
| TG09060440 | Title I & II design: Cryo mod I/F | 262* | 13OCT00 | 30OCT01 | 0 | 3,987 | 3,788 | | | | | | | | | |
| TG09060500 | Procurement: Cryo mod IOC | 65 | 07FEB02 | 09MAY02 | 0 | 10,211 | 9,455 | | | | | | | | | |
| TG09060460 | Title III design & checkout: Cryo mod I/F | 416* | 07FEB02 | 03OCT03 | 0 | 6,450 | 5,871 | | | | | | | | | |
| TG09060480 | Software design & test: Cryo mod I/F | 416* | 07FEB02 | 03OCT03 | 0 | 36,417 | 33,146 | | | | | | | | | |
| TG09060520 | Installation: Cryo mod IOC cab | 20 | 10JUL03 | 06AUG03 | 0 | 228 | 205 | | | | | | | | | |
| TG09060540 | I&C tech support: Cryo mod I/F | 61* | 10JUL03 | 03OCT03 | 0 | 5,023 | 4,513 | | | | | | | | | |
| TG09060560 | Cryo mod ICS I/F ready | 0 | | 03OCT03 | 0 | 0 | 0 | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | | |
|---|---|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | | |
| 1.9.6.4 Reflector Systems | | | | | | | | | | | | | | | | | |
| Subtotal | | 817 | 13OCT00 | 23JAN04 | 0 | 49,882 | 45,791 | | | | | | | | | | |
| TG09060600 | Title I & II design: Refl ctrls | 142* | 13OCT00 | 09MAY01 | 0 | 6,010 | 5,724 | | | | | | | | | | |
| TG09060680 | Procurement: Refl IOC | 125 | 14AUG01 | 13FEB02 | 0 | 11,914 | 11,113 | | | | | | | | | | |
| TG09060640 | Title III design & checkout: Refl ctrls | 610* | 14AUG01 | 23JAN04 | 0 | 5,151 | 4,674 | | | | | | | | | | |
| TG09060660 | Software design & test: Refl ctrls | 610* | 14AUG01 | 23JAN04 | 0 | 25,039 | 22,721 | | | | | | | | | | |
| TG09060700 | Installation: Reflector IOC cab | 5 | 19MAY03 | 26MAY03 | 0 | 228 | 205 | | | | | | | | | | |
| TG09060720 | I&C tech support: Refl ctrls | 170* | 19MAY03 | 23JAN04 | 0 | 1,540 | 1,354 | | | | | | | | | | |
| TG09060740 | Reflector ICS controls ready | 0 | | 23JAN04 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.6.5 Vessel Systems | | | | | | | | | | | | | | | | | |
| Subtotal | | 722 | 13OCT00 | 04SEP03 | 0 | 64,714 | 60,131 | | | | | | | | | | |
| TG09060780 | Title I & II design: Vessel ctrls | 142* | 13OCT00 | 09MAY01 | 0 | 8,332 | 7,935 | | | | | | | | | | |
| TG09060860 | Procurement: Vessel IOC | 405* | 14FEB01 | 25SEP02 | 0 | 15,832 | 14,820 | | | | | | | | | | |
| TG09060820 | Title III design & checkout: Vessel ctrls | 640* | 14FEB01 | 04SEP03 | 0 | 5,483 | 5,061 | | | | | | | | | | |
| TG09060840 | Software design & test: Vessel ctrls | 640* | 14FEB01 | 04SEP03 | 0 | 32,835 | 30,305 | | | | | | | | | | |
| TG09060880 | Installation: Vessel IOC cab | 5 | 31JAN03 | 06FEB03 | 0 | 228 | 205 | | | | | | | | | | |
| TG09060900 | I&C tech support: Vessel ctrls | 150* | 31JAN03 | 04SEP03 | 0 | 2,004 | 1,805 | | | | | | | | | | |
| TG09060920 | Vessel ICS controls ready | 0 | | 04SEP03 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.6.6 Shielding Systems | | | | | | | | | | | | | | | | | |
| Subtotal | | 792 | 13OCT00 | 15DEC03 | 0 | 229,697 | 209,945 | | | | | | | | | | |
| TG09060960 | Title I & II design: Shield ctrls | 272* | 13OCT00 | 13NOV01 | 0 | 29,261 | 27,774 | | | | | | | | | | |
| TG09061040 | Procurement: Shield IOC | 120 | 14MAR02 | 04SEP02 | 0 | 56,015 | 51,866 | | | | | | | | | | |
| TG09061000 | Title III design & checkout: Shield ctrls | 440* | 14MAR02 | 15DEC03 | 0 | 19,621 | 17,714 | | | | | | | | | | |
| TG09061020 | Software design & test: Shield ctrls | 440* | 14MAR02 | 15DEC03 | 0 | 117,490 | 106,068 | | | | | | | | | | |
| TG09061060 | Installation: Shield IOC cab | 5 | 24OCT02 | 30OCT02 | 0 | 228 | 205 | | | | | | | | | | |
| TG09061080 | I&C tech support: Shield ctrls | 285* | 24OCT02 | 15DEC03 | 0 | 7,082 | 6,318 | | | | | | | | | | |
| TG09061100 | Shield ICS controls ready | 0 | | 15DEC03 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.6.7 Target Utility Systems | | | | | | | | | | | | | | | | | |
| Subtotal | | 1,059 | 01OCT99A | 29DEC03 | 4 | 536,031 | 490,519 | | | | | | | | | | |
| TG09061140 | Title I & II design: Utility ctrls | 245* | 01OCT99A | 22SEP00 | 2 | 0 | 0 | | | | | | | | | | |
| TG09061115 | Utility ICS FY00 TI & TII design | 250 | 01OCT99A | 29SEP00 | 8 | 8,000 | 7,843 | | | | | | | | | | |
| TG09061158 | Start FY00 utility system design | 0 | 02OCT00 | | 0 | 0 | 0 | | | | | | | | | | |
| TG09061160 | Title II design: Utility ctrls | 0* | 02OCT00 | 29SEP00 | 0 | 0 | 0 | | | | | | | | | | |
| TG09061161 | Title II design: Utility ctrls | 195 | 02OCT00 | 13JUL01 | 0 | 30,926 | 29,453 | | | | | | | | | | |
| TG09061220 | Procurement: Utility IOCs | 120 | 16JUL01 | 07JAN02 | 0 | 98,440 | 92,302 | | | | | | | | | | |
| TG09061180 | Title III design & checkout: Util ctrls | 614* | 16JUL01 | 29DEC03 | 0 | 46,933 | 42,730 | | | | | | | | | | |
| TG09061200 | Software design & test: Util ctrls | 614* | 16JUL01 | 29DEC03 | 0 | 314,556 | 286,384 | | | | | | | | | | |
| TG09061240 | Installation: Utility IOC cab | 5 | 30SEP03 | 06OCT03 | 0 | 712 | 615 | | | | | | | | | | |
| TG09061260 | I&C tech support: Utility | 61* | 30SEP03 | 29DEC03 | 0 | 36,464 | 31,192 | | | | | | | | | | |
| TG09061280 | Utility controls ready | 0 | | 29DEC03 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.6.8 Remote Handling System Interface | | | | | | | | | | | | | | | | | |
| Subtotal | | 791 | 02OCT00 | 01DEC03 | 0 | 19,065 | 17,182 | | | | | | | | | | |
| TG09061300 | Title I & II design: RH I/F | 480* | 02OCT00 | 03SEP02 | 0 | 1,935 | 1,818 | | | | | | | | | | |
| TG09061360 | Procurement: Rem Hndl I/F IOC | 125 | 04SEP02 | 05MAR03 | 0 | 6,677 | 6,040 | | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | | |
|--|--|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | | |
| TG09061320 | Title III design & checkout: RH I/F | 311* | 04SEP02 | 01DEC03 | 0 | 2,131 | 1,909 | | | | | | | | | | |
| TG09061340 | Software design & test: RH I/F | 311* | 04SEP02 | 01DEC03 | 0 | 6,597 | 5,910 | | | | | | | | | | |
| TG09061380 | Installation: Rem Hndl I/F IOC | 20 | 04SEP03 | 01OCT03 | 0 | 228 | 205 | | | | | | | | | | |
| TG09061400 | I&C tech support: RH I/F | 61* | 04SEP03 | 01DEC03 | 0 | 1,497 | 1,300 | | | | | | | | | | |
| TG09061420 | Rem Hndl ICS I/F ready | 0 | | 01DEC03 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.6.9 Beam Dump Systems | | | | | | | | | | | | | | | | | |
| Subtotal | | 844 | 13OCT00 | 02MAR04 | 0 | 76,748 | 69,790 | | | | | | | | | | |
| TG09061460 | Title I & II design: Bm dmp ctrls | 302* | 13OCT00 | 31DEC01 | 5 | 9,795 | 9,274 | | | | | | | | | | |
| TG09061540 | Procurement: Beam dump ctrls | 120 | 02JAN02 | 21JUN02 | 0 | 16,491 | 15,269 | | | | | | | | | | |
| TG09061500 | Title III design & checkout: Bm dmp I&C | 542* | 02JAN02 | 02MAR04 | 0 | 8,311 | 7,480 | | | | | | | | | | |
| TG09061520 | Software design & test: Bm dmp ctrls | 542* | 02JAN02 | 02MAR04 | 0 | 36,534 | 32,881 | | | | | | | | | | |
| TG09061560 | Installation: Linac dump ctrls | 5 | 04AUG03 | 08AUG03 | 0 | 228 | 205 | | | | | | | | | | |
| TG09061580 | Installation: Beam dump IOC cabs | 65* | 04AUG03 | 03NOV03 | 0 | 0 | 0 | | | | | | | | | | |
| TG09061640 | I&C tech support: Beam dump ctrls | 145* | 04AUG03 | 02MAR04 | 0 | 5,161 | 4,476 | | | | | | | | | | |
| TG09061600 | Installation: Ring inj dump ctrls | 5 | 16SEP03 | 22SEP03 | 0 | 228 | 205 | | | | | | | | | | |
| TG09061620 | Installation: Ring extr dump ctrls | 5 | 28OCT03 | 03NOV03 | 0 | 0 | 0 | | | | | | | | | | |
| TG09061660 | IPL - Linac dump I&C ready | 0 | | 02MAR04 | 0 | 0 | 0 | | | | | | | | | | |
| TG09061680 | IPL - Ring inj dump I&C ready | 0 | | 02MAR04 | 0 | 0 | 0 | | | | | | | | | | |
| TG09061700 | IPL - Ring extr dump I&C ready | 0 | | 02MAR04 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.7 Experiment Systems Controls | | | | | | | | | | | | | | | | | |
| Subtotal | | 1,741 | 01OCT98A | 30SEP05 | 2 | 386,000 | 341,516 | | | | | | | | | | |
| 1.9.7.1 Instrument Support Facilities Controls | | | | | | | | | | | | | | | | | |
| Subtotal | | 1,243 | 01OCT98A | 30SEP03 | 25 | 26,016 | 25,015 | | | | | | | | | | |
| EX09070100 | Chopper & Smpl Env. Cntls Des. - FY99 | 249 | 01OCT98A | 30SEP99A | 100 | 26,016 | 25,015 | | | | | | | | | | |
| EX09070102 | Chopper & Smpl Env. Cntls Des. - FY01-03 | 745 | 02OCT00 | 30SEP03 | 0 | 0 | 0 | | | | | | | | | | |
| 1.9.7.2 Instrument Sys Controls Sys Integration | | | | | | | | | | | | | | | | | |
| Subtotal | | 995 | 01OCT01 | 30SEP05 | 0 | 97,554 | 83,201 | | | | | | | | | | |
| EX09070200 | Instrument Cntl Software Dev. - FY02-05 | 995 | 01OCT01 | 30SEP05 | 0 | 97,554 | 83,201 | | | | | | | | | | |
| 1.9.7.3 Two Microvolt Controls | | | | | | | | | | | | | | | | | |
| Subtotal | | 248 | 02OCT00 | 28SEP01 | 0 | 31,145 | 29,200 | | | | | | | | | | |
| EX09070300 | Procure Chopper Control Crates | 248 | 02OCT00 | 28SEP01 | 0 | 20,475 | 19,500 | | | | | | | | | | |
| EX09070301 | Sample Environment Control Crates | 248 | 02OCT00 | 28SEP01 | 0 | 10,670 | 9,700 | | | | | | | | | | |
| 1.9.7.4 Magnetism Reflectometer Controls | | | | | | | | | | | | | | | | | |
| Subtotal | | 248 | 02OCT00 | 28SEP01 | 0 | 10,670 | 9,700 | | | | | | | | | | |
| EX09070400 | Procure Chopper Control Crates | 248 | 02OCT00 | 28SEP01 | 0 | 0 | 0 | | | | | | | | | | |
| EX09070401 | Sample Environment Control Crates | 248 | 02OCT00 | 28SEP01 | 0 | 10,670 | 9,700 | | | | | | | | | | |
| 1.9.7.5 Liquids Reflectometer Controls | | | | | | | | | | | | | | | | | |
| Subtotal | | 248 | 02OCT00 | 28SEP01 | 0 | 21,340 | 19,400 | | | | | | | | | | |
| EX09070500 | Procure Chopper Control Crates | 248 | 02OCT00 | 28SEP01 | 0 | 10,670 | 9,700 | | | | | | | | | | |
| EX09070501 | Sample Environment Control Crates | 248 | 02OCT00 | 28SEP01 | 0 | 10,670 | 9,700 | | | | | | | | | | |
| 1.9.7.6 Instrument 4 Controls | | | | | | | | | | | | | | | | | |
| Subtotal | | 248 | 02OCT00 | 28SEP01 | 0 | 21,340 | 19,400 | | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | | | | | | | |
|--|---|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | | | | | | | |
| EX09070600 | Procure Chopper Control Crates | 248 | 02OCT00 | 28SEP01 | 0 | 10,670 | 9,700 | | | | | | | | | | | | | | | |
| EX09070601 | Sample Environment Control Crates | 248 | 02OCT00 | 28SEP01 | 0 | 10,670 | 9,700 | | | | | | | | | | | | | | | |
| 1.9.7.7 Instrument 5 Controls | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 248 | 02OCT00 | 28SEP01 | 0 | 21,340 | 19,400 | | | | | | | | | | | | | | | |
| EX09070700 | Procure Chopper Control Crates | 248 | 02OCT00 | 28SEP01 | 0 | 10,670 | 9,700 | | | | | | | | | | | | | | | |
| EX09070701 | Sample Environment Control Crates | 248 | 02OCT00 | 28SEP01 | 0 | 10,670 | 9,700 | | | | | | | | | | | | | | | |
| 1.9.7.8 Instrument 6 Controls | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 248 | 02OCT00 | 28SEP01 | 0 | 32,120 | 29,200 | | | | | | | | | | | | | | | |
| EX09070800 | Procure Chopper Control Crates | 248 | 02OCT00 | 28SEP01 | 0 | 21,450 | 19,500 | | | | | | | | | | | | | | | |
| EX09070801 | Sample Environment Control Crates | 248 | 02OCT00 | 28SEP01 | 0 | 10,670 | 9,700 | | | | | | | | | | | | | | | |
| 1.9.7.9 Instrument 7 Controls | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 746 | 01OCT01 | 30SEP04 | 0 | 33,969 | 29,200 | | | | | | | | | | | | | | | |
| EX09070900 | Procure Chopper Control Crates | 746 | 01OCT01 | 30SEP04 | 0 | 22,685 | 19,500 | | | | | | | | | | | | | | | |
| EX09070901 | Sample Environment Control Crates | 746 | 01OCT01 | 30SEP04 | 0 | 11,284 | 9,700 | | | | | | | | | | | | | | | |
| 1.9.7.10 Instrument 8 Controls | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 746 | 01OCT01 | 30SEP04 | 0 | 33,969 | 29,200 | | | | | | | | | | | | | | | |
| EX09071000 | Procure Chopper Control Crates | 746 | 01OCT01 | 30SEP04 | 0 | 22,685 | 19,500 | | | | | | | | | | | | | | | |
| EX09071001 | Sample Environment Control Crates | 746 | 01OCT01 | 30SEP04 | 0 | 11,284 | 9,700 | | | | | | | | | | | | | | | |
| 1.9.7.11 Instrument 9 Controls | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 746 | 01OCT01 | 30SEP04 | 0 | 33,969 | 29,200 | | | | | | | | | | | | | | | |
| EX09071100 | Procure Chopper Control Crates | 746 | 01OCT01 | 30SEP04 | 0 | 22,685 | 19,500 | | | | | | | | | | | | | | | |
| EX09071101 | Sample Environment Control Crates | 746 | 01OCT01 | 30SEP04 | 0 | 11,284 | 9,700 | | | | | | | | | | | | | | | |
| 1.9.7.12 Instrument 10 Controls | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 746 | 01OCT01 | 30SEP04 | 0 | 22,568 | 19,400 | | | | | | | | | | | | | | | |
| EX09071200 | Procure Chopper Control Crates | 746 | 01OCT01 | 30SEP04 | 0 | 11,284 | 9,700 | | | | | | | | | | | | | | | |
| EX09071201 | Sample Environment Control Crates | 746 | 01OCT01 | 30SEP04 | 0 | 11,284 | 9,700 | | | | | | | | | | | | | | | |
| 1.9.7.13 Instrument 11 Controls | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 746 | 01OCT01 | 30SEP04 | 0 | 0 | 0 | | | | | | | | | | | | | | | |
| EX09071300 | Procure Chopper Control Crates | 746 | 01OCT01 | 30SEP04 | 0 | 0 | 0 | | | | | | | | | | | | | | | |
| EX09071301 | Sample Environment Control Crates | 746 | 01OCT01 | 30SEP04 | 0 | 0 | 0 | | | | | | | | | | | | | | | |
| 1.9.7.14 Instrument 12 Controls | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 746 | 01OCT01 | 30SEP04 | 0 | 0 | 0 | | | | | | | | | | | | | | | |
| EX09071400 | Procure Chopper Control Crates | 746 | 01OCT01 | 30SEP04 | 0 | 0 | 0 | | | | | | | | | | | | | | | |
| EX09071401 | Sample Environment Control Crates | 746 | 01OCT01 | 30SEP04 | 0 | 0 | 0 | | | | | | | | | | | | | | | |
| 1.9.7.15 Instrument 13 Controls | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 746 | 01OCT01 | 30SEP04 | 0 | 0 | 0 | | | | | | | | | | | | | | | |
| EX09071500 | Procure Chopper Control Crates | 746 | 01OCT01 | 30SEP04 | 0 | 0 | 0 | | | | | | | | | | | | | | | |
| EX09071501 | Sample Environment Control Crates | 746 | 01OCT01 | 30SEP04 | 0 | 0 | 0 | | | | | | | | | | | | | | | |
| 1.09.08 | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 999 | 01OCT99A | 30SEP03 | 1 | 985,646 | 924,248 | | | | | | | | | | | | | | | |
| CF09081043 | Start ICS Conventional Facilities Tasks | 0 | 01OCT99A | | 100 | 0 | 0 | | | | | | | | | | | | | | | |
| CF09081041 | IPL - Complete All ICS Conventional Fac Tasks | 0 | | 28JUN02 | 0 | 0 | 0 | | | | | | | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | |
|-------------------|---|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | |
| 1.09.08.01 | | | | | | | | | | | | | | | | |
| Subtotal | | 999 | 01OCT99A | 30SEP03 | 4 | 247,102 | 230,489 | | | | | | | | | |
| CF09081100 | Maint., Travel, Project Support FY 00 | 255 | 01OCT99A | 09OCT00 | 16 | 65,597 | 62,473 | | | | | | | | | |
| CF09081116 | Maint, Travel, Project Support - FY 01 - 03 | 743* | 10OCT00 | 30SEP03 | 0 | 181,505 | 168,016 | | | | | | | | | |
| 1.09.08.02 | | | | | | | | | | | | | | | | |
| Subtotal | | 436 | 02OCT00 | 28JUN02 | 0 | 91,721 | 86,140 | | | | | | | | | |
| CF09082100 | Title I & II Design | 123 | 02OCT00 | 29MAR01 | 0 | 4,725 | 4,500 | | | | | | | | | |
| CF09082102 | Procurement | 125 | 03JAN01 | 29JUN01 | 0 | 6,000 | 5,714 | | | | | | | | | |
| CF09082104 | Title III Design & Checkout | 374 | 03JAN01 | 28JUN02 | 0 | 1,438 | 1,350 | | | | | | | | | |
| CF09082106 | Software Design & Test | 374 | 03JAN01 | 28JUN02 | 0 | 68,819 | 64,619 | | | | | | | | | |
| CF09082108 | Fabrication | 126 | 02APR01 | 28SEP01 | 0 | 501 | 477 | | | | | | | | | |
| CF09082110 | Install Cabinet by CM | 62 | 01OCT01 | 31DEC01 | 0 | 272 | 252 | | | | | | | | | |
| CF09082112 | Checkout & Startup | 125 | 02JAN02 | 28JUN02 | 0 | 9,966 | 9,228 | | | | | | | | | |
| CF09082114 | ICS Ready | 0 | | 28JUN02 | 0 | 0 | 0 | | | | | | | | | |
| 1.09.08.03 | | | | | | | | | | | | | | | | |
| Subtotal | | 436 | 02OCT00 | 28JUN02 | 0 | 253,607 | 238,188 | | | | | | | | | |
| CF09083100 | Title I & II Design | 123 | 02OCT00 | 29MAR01 | 0 | 14,319 | 13,637 | | | | | | | | | |
| CF09083102 | Procurement | 125 | 03JAN01 | 29JUN01 | 0 | 18,182 | 17,316 | | | | | | | | | |
| CF09083104 | Title III Design & Checkout | 374 | 03JAN01 | 28JUN02 | 0 | 4,357 | 4,091 | | | | | | | | | |
| CF09083106 | Software Design & Test | 374 | 03JAN01 | 28JUN02 | 0 | 184,758 | 173,482 | | | | | | | | | |
| CF09083108 | Fabrication | 126 | 02APR01 | 28SEP01 | 0 | 1,516 | 1,444 | | | | | | | | | |
| CF09083110 | Install Cabinet by CM | 62 | 01OCT01 | 31DEC01 | 0 | 272 | 252 | | | | | | | | | |
| CF09083112 | Checkout & Startup | 125 | 02JAN02 | 28JUN02 | 0 | 30,203 | 27,966 | | | | | | | | | |
| CF09083114 | ICS Ready | 0 | | 28JUN02 | 0 | 0 | 0 | | | | | | | | | |
| 1.09.08.04 | | | | | | | | | | | | | | | | |
| Subtotal | | 436 | 02OCT00 | 28JUN02 | 0 | 231,827 | 217,737 | | | | | | | | | |
| CF09084100 | Title I & II Design | 123 | 02OCT00* | 29MAR01 | 0 | 14,319 | 13,637 | | | | | | | | | |
| CF09084102 | Procurement | 125 | 03JAN01 | 29JUN01 | 0 | 18,182 | 17,316 | | | | | | | | | |
| CF09084104 | Title III Design & Checkout | 374 | 03JAN01 | 28JUN02 | 0 | 4,357 | 4,091 | | | | | | | | | |
| CF09084106 | Software Design & Test | 374 | 03JAN01 | 28JUN02 | 0 | 162,978 | 153,031 | | | | | | | | | |
| CF09084108 | Fabrication | 126 | 02APR01 | 28SEP01 | 0 | 1,516 | 1,444 | | | | | | | | | |
| CF09084110 | Install Cabinet by CM | 62 | 01OCT01 | 31DEC01 | 0 | 272 | 252 | | | | | | | | | |
| CF09084112 | Checkout & Startup | 125 | 02JAN02 | 28JUN02 | 0 | 30,203 | 27,966 | | | | | | | | | |
| CF09084114 | ICS Ready | 0 | | 28JUN02 | 0 | 0 | 0 | | | | | | | | | |
| 1.09.08.05 | | | | | | | | | | | | | | | | |
| Subtotal | | 436 | 02OCT00 | 28JUN02 | 0 | 140,378 | 131,849 | | | | | | | | | |
| CF09085100 | Title I & II Design | 123 | 02OCT00* | 29MAR01 | 0 | 9,594 | 9,137 | | | | | | | | | |
| CF09085102 | Procurement | 125 | 03JAN01 | 29JUN01 | 0 | 12,182 | 11,602 | | | | | | | | | |
| CF09085104 | Title III Design & Checkout | 374 | 03JAN01 | 28JUN02 | 0 | 2,919 | 2,741 | | | | | | | | | |
| CF09085106 | Software Design & Test | 374 | 03JAN01 | 28JUN02 | 0 | 94,159 | 88,412 | | | | | | | | | |
| CF09085108 | Fabrication | 126 | 02APR01 | 28SEP01 | 0 | 1,016 | 968 | | | | | | | | | |
| CF09085110 | Install Cabinet by CM | 62 | 01OCT01 | 31DEC01 | 0 | 272 | 252 | | | | | | | | | |
| CF09085112 | Checkout & Startup | 125 | 02JAN02 | 28JUN02 | 0 | 20,236 | 18,737 | | | | | | | | | |
| CF09085114 | ICS Ready | 0 | | 28JUN02 | 0 | 0 | 0 | | | | | | | | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish | % Comp | Budgeted Cost | Budgeted Quantity | Fiscal Year | | | | | | | | | |
|-------------------|--|----------|-------------|--------------|--------|---------------|-------------------|-------------|------|------|------|------|------|------|------|--|--|
| | | | | | | | | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | FY06 | | |
| CT09092100 | Target + Instr Fac PPS FY01-04 travel | 1,000 | 30OCT00 | 28OCT04 | 0 | 0 | 0 | | | | | | | | | | |
| CT09092029 | IPL - Target Start Installation | 0 | 29NOV01 | | 0 | 0 | 0 | | | | | | | | | | |
| CT09092023 | Target + Instr Fac PPS - Title II, Phase B | 437 | 29NOV01 | 28AUG03 | 0 | 87,652 | 80,000 | | | | | | | | | | |
| CT09092028 | Target + Instr Fac PPS - Software | 500 | 29NOV01 | 26NOV03 | 0 | 138,072 | 125,249 | | | | | | | | | | |
| CT09092024 | Target + Instr Fac PPS - Procurement | 666 | 29NOV01 | 29JUL04 | 0 | 859,077 | 767,558 | | | | | | | | | | |
| CT09092026 | Target + Instr Fac PPS - Title III | 776* | 29NOV01 | 07JAN05 | 0 | 78,234 | 69,453 | | | | | | | | | | |
| CT09092030 | Target + Instr Fac PPS - Installation | 500 | 31JUL02 | 29JUL04 | 0 | 197,004 | 173,992 | | | | | | | | | | |
| CT09092032 | Target + Instr Fac PPS - Checkout/Startup | 340 | 28AUG03 | 07JAN05 | 0 | 104,091 | 89,276 | | | | | | | | | | |
| CT09092035 | Complete Target + Instr Fac PPS | 0 | | 07JAN05 | 0 | 0 | 0 | | | | | | | | | | |
| 1.09.09.03 | | | | | | | | | | | | | | | | | |
| Subtotal | | 706 | 01DEC99 | 26SEP02 | 0 | 671,252 | 623,341 | | | | | | | | | | |
| CT09092036 | Stk/Rad Mntrg Eq - FY00 Title I design | 229 | 01DEC99 | 27OCT00 | 6 | 15,068 | 14,631 | | | | | | | | | | |
| CT09092037 | Stk/Rad Mntrg Eq - FY01 Title I design | 143 | 30OCT00 | 25MAY01 | 0 | 0 | 0 | | | | | | | | | | |
| CT09092038 | Stk/Rad Mntrg Eq - Title II | 126 | 29MAY01 | 27NOV01 | 0 | 61,452 | 58,000 | | | | | | | | | | |
| CT09092048 | Stk/Rad Mntrg Eq - Travel | 229 | 29MAY01 | 26APR02 | 0 | 3,254 | 3,045 | | | | | | | | | | |
| CT09092040 | Stk/Rad Mntrg Eq - Procurement | 104 | 28NOV01 | 29APR02 | 0 | 453,358 | 419,776 | | | | | | | | | | |
| CT09092042 | Stk/Rad Mntrg Eq - Title III | 208 | 28NOV01 | 26SEP02 | 0 | 30,982 | 28,687 | | | | | | | | | | |
| CT09092044 | Stk/Rad Mntrg Eq - Installation | 44 | 30APR02 | 01JUL02 | 0 | 39,646 | 36,709 | | | | | | | | | | |
| CT09092046 | Stk/Rad Mntrg Eq - Checkout/Startup | 41 | 31JUL02 | 26SEP02 | 0 | 67,492 | 62,493 | | | | | | | | | | |
| CT09092050 | Complete Stk/Rad Mntrg Equip | 0 | | 26SEP02 | 0 | 0 | 0 | | | | | | | | | | |