

# Observatory I&T Task Calendar

26/04/2004 14:47:29

|                | Monday                                                                                          | Tuesday                                                                                                                  | Wednesday                                                        | Thursday                                                                       | Friday                                    | Saturday                                                                | Sunday                                   |
|----------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------|------------------------------------------|
|                | 26/04/2004                                                                                      | 27/04/2004                                                                                                               | 28/04/2004                                                       | 29/04/2004                                                                     | 30/04/2004                                | 01/05/2004                                                              | 02/05/2004                               |
| 6:00 - 8:00    | Remove Accel & STM Plug                                                                         | BAT IPR SW Upload 4.2A                                                                                                   | Obs IST - 3 shift                                                | Obs IST - 3 shift                                                              | Fault Protection Testing                  | Uncable Observatory                                                     |                                          |
| 8:00 - 10:00   | Disconnect BAT Cable                                                                            |                                                                                                                          | Russ Kuba, George Little, Matt Wozniak, XRT, UVOT, BAT           | Russ Kuba, John Jordan, Lisa Nelson, Brent Garrett, Mike Villa, XRT, UVOT, BAT | Remove Plenum                             | George Little, Brian Kittle, Mike Villa, Brent Garrett, Jay Parker, BAT | Closeouts                                |
| 10:00 - 12:00  | BAT IPP SW Upload 4.2A                                                                          |                                                                                                                          |                                                                  |                                                                                | Move EGSE to TVAC                         |                                                                         |                                          |
| 12:00 - 2:00   | Dave Parrish, Russ Kuba, Matt Wozniak                                                           |                                                                                                                          | Dave Parrish, Mike Villa, XRT, UVOT, BAT                         |                                                                                | Move to SCA                               |                                                                         | Brent Garrett, Matt Wozniak, Janet, Carl |
| 2:00 - 4:00    | LFF on IPP                                                                                      | BAT Specialized Testing                                                                                                  |                                                                  |                                                                                | PDU Harness Mod                           | Install Lift Brackets                                                   |                                          |
| 4:00 - 6:00    |                                                                                                 |                                                                                                                          |                                                                  |                                                                                | Closeouts                                 |                                                                         |                                          |
| 6:00 - 8:00    |                                                                                                 |                                                                                                                          | Lisa Nelson, Steve Westing, XRT, UVOT, BAT                       |                                                                                | Dave Parrish, Steve Westing, Matt Wozniak | Instrument Obs with Temp Sensors & Heaters                              |                                          |
| 8:00 - 10:00   | Pre - Cert for TVAC                                                                             |                                                                                                                          |                                                                  |                                                                                |                                           |                                                                         |                                          |
|                | 03/05/2004                                                                                      | 04/05/2004                                                                                                               | 05/05/2004                                                       | 06/05/2004                                                                     | 07/05/2004                                | 08/05/2004                                                              | 09/05/2004                               |
| 6:00 - 8:00    | Bag Observatory                                                                                 | Transfer Obs to Chamber 290                                                                                              | Load & Secure Upper Fixture                                      | Connect GN2/LN2 Lines                                                          | Install Contamination Bag                 | Place TQCMS                                                             | Perform Instrumentation                  |
| 8:00 - 10:00   |                                                                                                 | Load Swift into SES                                                                                                      |                                                                  |                                                                                |                                           | John D.                                                                 | Check Chris S.                           |
| 10:00 - 12:00  | SIM 3B Hotbench                                                                                 | SIM 3B Hotbench                                                                                                          | Jay Parker, Chris Skocik                                         | UVOT - CARTER, HANCOCK                                                         | Janet, Sally, Brian, John D., Marilyn?    | Perform Instrumentation                                                 | Install S/C GSE Cables                   |
| 12:00 - 2:00   | TVAC TRR                                                                                        |                                                                                                                          |                                                                  |                                                                                | UVOT - CARTER, HANCOCK                    | Connections                                                             | Brent Garrett, George Little             |
| 2:00 - 4:00    | Brent Garrett, Brian Kittle, Mike Villa, Lisa Nelson, Dave Parrish, Steve Westing, Matt Wozniak | Secure Swift on to Chariot Jay Parker, Brent Garrett, Brian Kittle, Mike Villa, Dave Parrish, Steve Westing, Lisa Nelson | Install Upper Cryopanel Support Mellina, Chris, Brian            | GOWG                                                                           |                                           | Chris S.                                                                |                                          |
| 4:00 - 6:00    |                                                                                                 |                                                                                                                          | Install burstomatic & Support                                    |                                                                                |                                           | UVOT - CARTER, HANCOCK                                                  | UVOT - CARTER, HANCOCK                   |
| 6:00 - 8:00    |                                                                                                 |                                                                                                                          |                                                                  |                                                                                |                                           |                                                                         |                                          |
| 8:00 - 10:00   |                                                                                                 |                                                                                                                          |                                                                  |                                                                                |                                           |                                                                         |                                          |
|                | 10/05/2004                                                                                      | 11/05/2004                                                                                                               | 12/05/2004                                                       | 13/05/2004                                                                     | 14/05/2004                                | 15/05/2004                                                              | 16/05/2004                               |
| 6:00am - 9:00  | Wrap Cables                                                                                     | Perform STM                                                                                                              | Pre TVAC Aliveness Test Russ Kuba, George Little, XRT, UVOT, BAT | Deconfigure from HV Test                                                       | Close Door & Pump Down                    | Ramp to Hot TB                                                          | Hot Thermal Balance (cont)               |
| 9:00 - 12:00pm | Brent Garrett, George Little                                                                    | Brent Garrett, George Little                                                                                             | UVOT HV Test                                                     | Brent Garrett, George Little                                                   |                                           |                                                                         |                                          |
| 12:00pm - 2:00 |                                                                                                 | TVAC Pre-Test Review                                                                                                     |                                                                  | Ready for Pump down                                                            |                                           | Hot Thermal Balance (24h)                                               | Hot TB Mission Mode                      |
| 2:00 - 6:00    | Install MLI Tunnels                                                                             |                                                                                                                          | John Jordan, Brent Garrett UVOT, BAT - IP                        |                                                                                |                                           | Heater Induced Deflection and TAM Alignment Chks                        | SIM 2B - Nominal Ops                     |
| 6:00 - 8:00    | Janet Cunningham                                                                                |                                                                                                                          |                                                                  |                                                                                |                                           |                                                                         |                                          |
| 8:00 - 10:00   |                                                                                                 |                                                                                                                          |                                                                  |                                                                                | Chamber Cooldown                          |                                                                         |                                          |
| 10:00pm - 2:00 |                                                                                                 |                                                                                                                          |                                                                  |                                                                                | SC Pwr & XRT FPCA Venting                 |                                                                         |                                          |
| 2:00 - 6:00am  | UVOT - CARTER, HANCOCK                                                                          | UVOT - CARTER, HANCOCK                                                                                                   | UVOT - CARTER, HANCOCK                                           |                                                                                |                                           |                                                                         |                                          |
|                | 17/05/2004                                                                                      | 18/05/2004                                                                                                               | 19/05/2004                                                       | 20/05/2004                                                                     | 21/05/2004                                | 22/05/2004                                                              | 23/05/2004                               |
| 6:00am - 9:00  | Hot TB Mission Mode                                                                             | Ramp to Hot Cycle #1                                                                                                     | Transition to Cold Balance                                       | Cold Bal & Oper Htr Ver. (Cont)                                                | Ramp to Cold Cycle #1                     |                                                                         | Hot Cycle #2 Cont                        |
| 9:00 - 12:00pm | SIM 2B - Nominal Ops                                                                            |                                                                                                                          | OITL A                                                           |                                                                                |                                           | Ramp to Hot Cycle #2 (12h)                                              | AIST (A) + OITL (A)                      |
| 12:00pm - 2:00 |                                                                                                 | Hot Cycle #1 (15h)                                                                                                       |                                                                  |                                                                                | Cold Cycle #1 (15h)                       | XRT HRS Cold Test                                                       |                                          |
| 2:00 - 6:00    |                                                                                                 | [ AIST (A) + OITL (A) ]                                                                                                  |                                                                  |                                                                                | Cold Start A                              | SIM 1B - BAT Act.                                                       | Ramp to Cold Cycle #2 (15h)              |
| 6:00 - 8:00    |                                                                                                 |                                                                                                                          | Cold Bal & Oper Htr Ver. (24h)                                   | Cold Sur Htr Ver (12h)                                                         | AIST (A) + OITL (A)                       |                                                                         | OITL A                                   |
| 8:00 - 10:00   |                                                                                                 |                                                                                                                          | XRT TAM Align Chks                                               | Survival Htr Triggering                                                        |                                           | Hot Cycle #2 (15h)                                                      | XRT HRS Cold Test                        |
| 10:00pm - 2:00 |                                                                                                 |                                                                                                                          |                                                                  |                                                                                |                                           | Hot Start (B)                                                           |                                          |
| 2:00 - 6:00am  |                                                                                                 | Transition to Cold Balance(15h)                                                                                          |                                                                  |                                                                                |                                           |                                                                         |                                          |
|                | 24/05/2004                                                                                      | 25/05/2004                                                                                                               | 26/05/2004                                                       | 27/05/2004                                                                     | 28/05/2004                                | 29/05/2004                                                              | 30/05/2004                               |
| 6:00am - 9:00  | Ramp to Cold Cycle #2 (Cont)                                                                    | Ramp to Hot Cycle #3 (Cont)                                                                                              |                                                                  | Cold Cycle #3 Cont                                                             | Ramp to Hot Cycle #4 (Cont)               | Ramp to Cold Cycle #4 (15h)                                             | Cold Cycle #4 Cont                       |
| 9:00 - 12:00pm | Cold Cycle #2 (15h)                                                                             |                                                                                                                          | Ramp to Cold Cycle #3                                            | AIST (B) + OITL (B)                                                            |                                           | OITL B                                                                  |                                          |
| 12:00pm - 2:00 |                                                                                                 | XRT HRS Warm Test                                                                                                        |                                                                  |                                                                                | Hot Cycle #4 (15h)                        | XRT HRS Cold Test                                                       | XRT FPCA Door Opening Test               |
| 2:00 - 6:00    | Cold Start B                                                                                    | Hot Cycle #3 (15h)                                                                                                       | XRT HRS Warm Test                                                |                                                                                | AIST (B) + OITL (B)                       |                                                                         |                                          |
| 6:00 - 8:00    | AIST (A) & OITL (A)                                                                             | AIST (B) + OITL (B)                                                                                                      |                                                                  |                                                                                |                                           |                                                                         |                                          |
| 8:00 - 10:00   | Hot Pixel Measurement                                                                           |                                                                                                                          |                                                                  | Ramp to Hot Cycle #4 (12h)                                                     |                                           |                                                                         |                                          |
| 10:00pm - 2:00 | Ramp to Hot Cycle #3 (12h)                                                                      |                                                                                                                          |                                                                  | SIM 1B - SADA Test                                                             |                                           | Cold Cycle #4 (15h)                                                     | XRT Light Leak Test                      |
| 2:00 - 6:00am  | SIM 1B - BAT Act                                                                                |                                                                                                                          | Cold Cycle #3 (15h)                                              |                                                                                |                                           | AIST (B) + OITL (B)                                                     |                                          |
|                | 31/05/2004                                                                                      | 01/06/2004                                                                                                               | 02/06/2004                                                       | 03/06/2004                                                                     | 04/06/2004                                | 05/06/2004                                                              | 06/06/2004                               |
| 6:00am - 9:00  | Observatory Warming (24h)                                                                       | Return to Ambient                                                                                                        |                                                                  |                                                                                | Deconfigure Observatory                   |                                                                         |                                          |
| 9:00 - 12:00pm | OITL B                                                                                          |                                                                                                                          |                                                                  |                                                                                |                                           |                                                                         |                                          |
| 12:00pm - 2:00 |                                                                                                 | Close XRT FPCA Door and UVOT                                                                                             |                                                                  |                                                                                |                                           |                                                                         |                                          |
| 2:00 - 6:00    |                                                                                                 | HV Test                                                                                                                  | Slack Day                                                        | Slack Day                                                                      |                                           |                                                                         |                                          |
| 6:00 - 8:00    |                                                                                                 |                                                                                                                          |                                                                  |                                                                                |                                           |                                                                         |                                          |
| 8:00 - 10:00   |                                                                                                 | Run Aliveness                                                                                                            |                                                                  |                                                                                |                                           |                                                                         |                                          |
| 10:00pm - 2:00 |                                                                                                 |                                                                                                                          |                                                                  |                                                                                |                                           |                                                                         |                                          |

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|               | Monday                                           | Tuesday                                | Wednesday                  | Thursday                       | Friday                        | Saturday            | Sunday     |
|---------------|--------------------------------------------------|----------------------------------------|----------------------------|--------------------------------|-------------------------------|---------------------|------------|
| 2:00 - 6:00am |                                                  |                                        |                            |                                |                               |                     |            |
|               | 07/06/2004                                       | 08/06/2004                             | 09/06/2004                 | 10/06/2004                     | 11/06/2004                    | 12/06/2004          | 13/06/2004 |
| 6:00 - 8:00   |                                                  | Transfer Observatory to SCA & Cable up | Post TVAC IST              | Post TVAC IST                  | Alignment Check               |                     |            |
| 8:00 - 10:00  | Remove Observatory from Chamber & Place on Dolly | Move EGSE to SCA                       |                            |                                |                               |                     |            |
| 10:00 - 12:00 |                                                  |                                        |                            |                                |                               |                     |            |
| 12:00 - 2:00  |                                                  |                                        |                            |                                |                               |                     |            |
| 2:00 - 4:00   | Bag Observatory                                  | SA Timing Test                         |                            |                                |                               |                     |            |
| 4:00 - 6:00   |                                                  | Install Plenum                         |                            |                                |                               |                     |            |
| 6:00 - 8:00   |                                                  |                                        |                            |                                |                               |                     |            |
| 8:00 - 10:00  |                                                  |                                        |                            |                                |                               |                     |            |
|               | 14/06/2004                                       | 15/06/2004                             | 16/06/2004                 | 17/06/2004                     | 18/06/2004                    | 19/06/2004          | 20/06/2004 |
| 6:00 - 8:00   |                                                  |                                        |                            |                                |                               |                     |            |
| 8:00 - 10:00  | Sim 1C                                           | Sim 1C                                 | Sim 3C                     | TDRSS End to End Testing       | Install Solar Wing 1          | Uncable Observatory |            |
| 10:00 - 12:00 |                                                  |                                        |                            |                                | Install Solar Wing 2          | Remove Temp Sensors |            |
| 12:00 - 2:00  |                                                  |                                        |                            |                                |                               | Remove Plenum       |            |
| 2:00 - 4:00   |                                                  |                                        |                            |                                | Microswitch Verification Test |                     |            |
| 4:00 - 6:00   |                                                  |                                        |                            |                                |                               |                     |            |
| 6:00 - 8:00   |                                                  |                                        |                            |                                |                               |                     |            |
| 8:00 - 10:00  |                                                  |                                        |                            |                                |                               |                     |            |
|               | 21/06/2004                                       | 22/06/2004                             | 23/06/2004                 | 24/06/2004                     | 25/06/2004                    | 26/06/2004          | 27/06/2004 |
| 6:00 - 8:00   |                                                  |                                        |                            |                                |                               |                     |            |
| 8:00 - 10:00  | Place Observatory on Ransome Table               | Deploy XRT Cover                       | Rotate to UVOT Orientation | Uncable Observatory            | Place Obs on Miller Table     |                     |            |
| 10:00 - 12:00 |                                                  | Restow XRT Cover                       | Cable Up Observatory       | Bring Obs to Vertical          | Measure Obs CG & MOI          |                     |            |
| 12:00 - 2:00  | Bring Observatory to Horizontal                  |                                        | Deploy UVOT Cover          | Remove from Ransome table      |                               |                     |            |
| 2:00 - 4:00   | Cable Up Observatory                             | Uncable Observatory                    | Restow UVOT Cover          | Measure Obs Mass               |                               |                     |            |
| 4:00 - 6:00   |                                                  |                                        |                            |                                |                               |                     |            |
| 6:00 - 8:00   |                                                  |                                        |                            |                                |                               |                     |            |
| 8:00 - 10:00  |                                                  |                                        |                            |                                |                               |                     |            |
|               | 28/06/2004                                       | 29/06/2004                             | 30/06/2004                 | 01/07/2004                     | 02/07/2004                    | 03/07/2004          | 04/07/2004 |
| 6:00 - 8:00   |                                                  |                                        |                            |                                | Lift L-Frame onto transporter |                     |            |
| 8:00 - 10:00  | Measure Obs CG & MOI                             | Cable Up Observatory                   | Uncable Observatory        | Install Observatory to L-frame | Attach Lid on transporter     |                     |            |
| 10:00 - 12:00 |                                                  | Run AIST                               | PRE - SHIP REVIEW          |                                | Connect purge lines           |                     |            |
| 12:00 - 2:00  |                                                  |                                        | Bag Observatory            | Rotate L-frame to horizontal   | Connect ECU ducts & sensors   |                     |            |
| 2:00 - 4:00   | Remove Obs from Miller table                     |                                        |                            |                                | Connect House Power           |                     |            |
| 4:00 - 6:00   |                                                  |                                        |                            |                                | Install Shock/Vibe Instr.     |                     |            |
| 6:00 - 8:00   |                                                  |                                        |                            |                                | Install Temp/Hum Recorder     |                     |            |
| 8:00 - 10:00  |                                                  |                                        |                            |                                | Start House Pwr & ECU Ops     |                     |            |
|               | 05/07/2004                                       | 06/07/2004                             | 07/07/2004                 | 08/07/2004                     | 09/07/2004                    | 10/07/2004          | 11/07/2004 |
| 6:00 - 8:00   | Holiday                                          | Atch tractor & dis. Pwr&Purge          | Ship Observatory to KSC    |                                |                               |                     |            |
| 8:00 - 10:00  |                                                  | Move to Bld 27 & Install gen.          |                            |                                |                               |                     |            |
| 10:00 - 12:00 |                                                  | Start Generators and ECS               |                            |                                |                               |                     |            |
| 12:00 - 2:00  |                                                  |                                        |                            |                                |                               |                     |            |
| 2:00 - 4:00   |                                                  | Ship Observatory to KSC                |                            |                                |                               |                     |            |
| 4:00 - 6:00   |                                                  |                                        |                            |                                |                               |                     |            |
| 6:00 - 8:00   |                                                  |                                        |                            |                                |                               |                     |            |
| 8:00 - 10:00  |                                                  |                                        |                            |                                |                               |                     |            |



