

| DATE | WEEKDAY | TASKS TOWARDS COMISSIONING PD |
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| 24/07/13 | WEDNESDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ UNPACK ITEMS FROM PD PACKAGES ○ SETUP FOR TESTING EQUIPMENT NEXT DAY • Did not complete: <ul style="list-style-type: none"> ○ PRACTICE CRIMPING CABLES ○ ASSEMBLE RP PLUG |
| 25/07/13 | THURSDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ SHV CABLES MADE ○ TEST EQUIPMENT WITH NOISE IN D1.07 LAB ○ TEST EQUIPMENT WITH RADIATION SOURCE IN D1.07 LAB • Did not complete: <ul style="list-style-type: none"> ○ PRACTICE CRIMPING CABLES ○ ASSEMBLE RP PLUG |
| 26/07/13 | FRIDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ REQUESTED WORK AT MORNING MEETING ○ BEGIN LAYING PD CABLES ○ BEGIN RP LINKBOARD BOX MODIFICATIONS ○ BEGIN MACHINING (FILE DOWN PIECE) ○ SUBMITTED DESIGN FOR SHOULDER SCREW ○ SUBMITTED DESIGN ADJUSTMENT TO BN SHIELD PRACTICE ASSEMBLING RP PLUG WITH RICHARD MARTIN ○ PRACTICE CONNECTING VACUUM CABLES TO RP PLUG WITH RICHARD MARTIN ○ OBTAINED RP PLUG PIN-OUT INFORMATION • Did not complete: <ul style="list-style-type: none"> ○ FINISH ASSEMBLING RP PLUG ○ FINISH CONNECTING PD VACUUM CABLES TO RP PLUG |
| 27/07/13 | SATURDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ CONTINUE PRACTICING ASSEMBLING RP PLUG ○ CONTINUE PRACTICING CONNECTING PD VACUUM CABLES TO RP PLUG |
| 29/07/13 | MONDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ REQUEST WORK AT MORNING MEETING ○ FINISH RP LINKBOARD BOX MODIFICATION AND MOUNT ON RP ○ ASHLEY STEVENS APPROVAL OF MD05 CUBICLE TO POWER ON EQUIPMENT ○ CUSTOM PD SHOULDER SCREWS COMPLETED ○ FIND EARTH FAULT IN MD05 CUBICLE SETUP (NOT PD EQUIPMENT → FAULTY MAGNETICS SENSOR) ○ FIND APPROPRIATE RP PIN CONFIGURATION FOR RP VACUUM SIDE AND RP AIR SIDE CONNECTIONS ○ OBTAIN PUSH-ON CONNECTORS FOR RP AIR SIDE CONNECTIONS ○ SPECIAL TECHNIQUES GROUP RECEIVED MATERIAL TODAY, SHIELD FABRICATION STARTED • Did not complete: <ul style="list-style-type: none"> ○ FINISH PD CABLE WORK (PREAMP OUTPUT CONNECTION) ○ MACHINING (FILE DOWN PIECE) ○ GET MMAC FINAL SIGNATURE FROM MIKE DRISCOLL ○ CONNECT COMPUTER TO DATAC NETWORK ○ TEST TRIGGER SIGNAL TO COMPUTER |
| 30/07/13 | TUESDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ REQUEST WORK AT MORNING MEETING ○ CONNECT COMPUTER TO DATAC NETWORK ○ TEST REMOTE LOGIN ○ UPDATE DATA ACQUISITION SOFTWARE FRONT PANEL ○ CONNECT RP LINKBOX PREAMP OUTPUT CONNECTIONS |

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| | | <ul style="list-style-type: none"> ○ FOUND VESSEL EARTH FAULT WITH PREAMP CONNECTIONS (INSULATE PREAMP POWER CONNECTORS FROM SHV INPUT CONNECTORS FROM BOTTOM OF LINKBOX) ○ GET SITE PASS ○ DISCUSS AND CONFIRM SET/ GRUB SCREWS PD CONNECTOR ALTERATION TO SECURE PLUG ○ TEST OSCILLOSCOPE TO USE FOR TESTING EQUIPMENT WITH RADIATION SOURCE ○ OBTAIN NEW PINS AND SLEEVING FOR NEW CONNECTIONS ○ OBTAIN MMAC FORM SIGNATURES FROM: MIKE DRISCOLL, BRIAN LLOYD ○ NEW PLAN FOR PIN CONFIGURATIONS (RP VACUUM & AIRSIDE) • Did not complete: <ul style="list-style-type: none"> ○ GET MMAC SIGNATURES FROM: MIKE DRISCOLL, KEITH HAWKINS, PAUL STEVENSON ○ CONFIRM IMPEDANCE OF TRIAXIAL CABLES ○ MAKE RP VACUUM & AIRSIDE CONNECTIONS |
| 31/07/13 | WEDNESDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ NEW BOX FOR FRIDAY EQUIPMENT TESTING WITH SOURCE ○ BEGAN VACUUM CABLE CONNECTIONS TO RP PLUG ○ MADE CONFIGURATION FOR CONNECT PREAMP CABLES TO RP AIRSIDE CONNECTIONS • Did not complete: <ul style="list-style-type: none"> ○ MACHINING (FILE DOWN PIECE & PD CONNECTOR MODIFICATION) ○ CUT PD BASE MACHINE SCREW ○ PREAMP CABLES TO RP AIRSIDE CONNECTIONS |
| 01/08/13 | THURSDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ SETUP AND TEST TRIGGER SIGNAL TO COMPUTER ○ PD CONNECTOR MODIFICATIONS MADE ○ PD PIECE FILED DOWN ○ BN SHELL COMPLETED ○ CLEAN PD 316SS PIECE IN SONIC-BATH ○ CLEAN BN SHELL WITH ISOPROPONAL ○ OBTAIN SHORTER M3 MACHINE SCREW ○ CLEAN SHOULDER SCREWS, SET/ GRUB SCREWS, AND NEW MACHINE SCREW IN SONIC-BATH ○ REQUEST ASSEMBLY OF RP AIRSIDE CONNECTIONS (OBTAINED NEW COAXIAL CABLE & NEW 15 PIN FEMALE CONNECTOR) ○ MMAC COMPLETE AND APPROVED • Did not complete: <ul style="list-style-type: none"> ○ ASSEMBLE PROBE HEAD ○ UPDATE NEW CABLE INFO AND RATINGS FOR CABLE BLOCK DIAGRAM ○ MAKE SHOULDER SCREW DRAWING ○ ADD CHANGES TO PD CONNECTOR AND SHELL ○ SUBMIT FINAL DRAWINGS TO CCFE DRAWING OFFICE |
| 02/08/13 | FRIDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ REQUEST WORK AT MORNING MEETING ○ TEST EQUIPMENT (NO VACUUM CABLES) WITH RADIATION SOURCE IN MAST TEST CELL AREA ○ GRAPHITE COAT BN SHIELD 1ST LAYER ○ FINISH RP AIRSIDE CONNECTIONS ○ CONTINUE RP VACUUM CABLE CONNECTIONS ○ HDF5 FILE FOR LOW TF SHOT • Did not complete: <ul style="list-style-type: none"> ○ SPOT-WELD SCREW OR FIND 316SS LOCK WASHER (TRY SPECIAL TECHNIQUES GROUP OR LOWER COMPASS AREA WORKSHOP) |

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| 03/08/13 | SATURDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ GRAPHITE COAT BN SHIELD 2ND LAYER ○ GRAPHITE COAT 3RD LAYER ONLY ON TOP SURFACE OF BN SHIELD ○ FINISH RP VACUUM CABLE CONNECTIONS |
| 05/08/13 | MONDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ REQUEST WORK AT MORNING MEETING ○ FPP-001 AND FPP-005 MEETING ○ MEET WITH NIGEL & JAMES HARRISON - MAST SHOT NUMBER PROGRAM ○ FIU UNDERGRADUATE ONLINE SITE INDUCTION TRAINING ○ FIGURED OUT HOW TO TRANSFER DATA FROM PD COMPUTER ON DATAC TO COMPUTER OUTSIDE DATAC NETWORK • Did not complete: <ul style="list-style-type: none"> ○ FIND 316SS LOCKWASHER ○ CHECK CONTINUITY OF VACUUM CABLE CONNECTIONS ○ TEST EQUIPMENT WITH RADIATION SOURCE (INCLUDING RP VACUUM AND AIRSIDE CONNECTION CABLES) IN AFTERNOON ○ ASSEMBLE PROBE HEAD |
| 06/08/13 | TUESDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ NEW RP VACUUM CABLE CONNECTIONS ○ EPD & ANALYSIS PROGRAM INSTALLED ON FUSL CCFE NETWORK COMPUTER ○ SUCCESSFULLY FTP FROM PD COMPUTER TO FUSL CCFE NETWORK COMPUTER ○ FIND 316SS LOCKWASHER ○ BEGAN LOGISTICS PLANNING FOR DATA COLLECTION • Did not complete: <ul style="list-style-type: none"> ○ CHECK CONTINUITY OF VACUUM CABLE CONNECTIONS |
| 07/08/13 | WEDNESDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ REQUEST WORK AT MORNING MEETING ○ TESTED RP AIRSIDE AND VACUUM CABLE CONNECTIONS FOR CONTINUITY ○ TEST EQUIPMENT WITH RADIATION SOURCE IN AFTERNOON (NOISE PROBLEM FROM PREAMP TO OUTPUT SIGNAL) ○ UPDATES TO ORBIT CODE FOR INDIVIDUAL DETECTOR ORIENTATION INPUT (CODE ALMOST READY?) • Did not complete: <ul style="list-style-type: none"> ○ ASSEMBLE PROBE HEAD IN MORNING ○ BAKE COMPLETE ASSEMBLED PROBE HEAD ○ LET COOL OFF ○ DID NOT ISOLATE NOISE PROBLEM WITH PD EQUIPMENT |
| 08/08/13 | THURSDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ REQUEST WORK AT MORNING MEETING ○ TEST EQUIPMENT (TRY TO ISOLATE NOISE PROBLEM) ○ SWITCH OUT CAMAC CRATE FOR NIM BIN ○ ASSEMBLE PROBE HEAD ○ BAKE COMPLETE ASSEMBLED PROBE HEAD FOR ONE DAY ○ LET PROBE HEAD COOL OFF ○ SPEAK WITH IVAN LUPELLI REGARDING EFIT++ ACCESS ○ OBTAIN EQDSK FILES FOR ORBIT SIMULATIONS SHOT#26789 • Did not complete: <ul style="list-style-type: none"> ○ ISOLATE NOISE PROBLEM |
| 09/08/13 | FRIDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ REQUEST WORK AT MORNING MEETING ○ INSTALL PROBE HEAD ON MAST RP ○ PUMP DOWN MAST RP GARAGE ○ TEST EQUIPMENT (TRY TO ISOLATE NOISE PROBLEM) |

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| | | <ul style="list-style-type: none"> ○ COMPLETE DATA TRANSFER SCHEME FROM PD COMPUTER TO CCFE UNIX SERVER TO PERSONAL LAPTOP • Did not complete: <ul style="list-style-type: none"> ○ ISOLATE NOISE PROBLEM ○ ACCESS CODE TO CREATE EQDSK FILES ○ NEW RP AIRSIDE CONNECTION |
| 10/08/13 | SATURDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ FIND GROUNDING SCHEME TO REDUCE NOISE LEVELS TO MANAGEABLE LEVEL ○ NEW RP AIRSIDE CONNECTION • Did not complete: <ul style="list-style-type: none"> ○ CHECK FOR GROUND FAULTS ○ CHANGES TO NEW RP AIRSIDE CONNECTION |
| 11/08/13 | SUNDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ ORBIT SIMULATIONS |
| 12/08/13 | MONDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ REQUEST WORK AT MORNING MEETING ○ BAKE RP WITH PROBE HEAD ○ BEGIN CHANGES TO NEW RP AIRSIDE CONNECTION ○ SPEAK WITH IVAN LUPELLI REGARDING EFIT++ ACCESS ○ FPP-001 AND FPP-005 MEETING ○ FIND NEW GROUNDING SCHEME FOR PD EQUIPMENT TO REDUCE NOISE LEVELS • Did not complete: <ul style="list-style-type: none"> ○ TROUBLESHOOT DAQ SOFTWARE ○ FINISH CHANGES TO NEW RP AIRSIDE CONNECTION |
| 13/08/13 | TUESDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ CONTINUE BAKING RP WITH PROBE HEAD ○ TROUBLESHOOT DAQ SOFTWARE - DAQ PROGRAM WRITING DATA FILES WITH UNSIGNED INTEGERS (QUICK FIX) ○ OBTAIN PD01 CUBICLE FOR PD EQUIPMENT IN MAST TEST CELL ○ FINISH CHANGES TO NEW RP AIRSIDE CONNECTION ○ SEMI-APPROVAL FOR NEW PD GROUNDING SCHEME ○ BEGIN METAL BRAID TERMINAL CONNECTIONS ○ SUBMIT DRAWING FOR RP AIRSIDE CONNECTION COVER ○ NEW ORBIT CODE UPLOADED TO FUSLW CCFE NETWORK ○ PPPL COMPUTER SPACE FOR MAST DATA STORAGE ○ RUN PROGRAM FOR EQDSK FILES FOR ORBIT CODE • Did not complete: <ul style="list-style-type: none"> ○ TEST FINAL DAQ SOFTWARE WITH DATAC TRIGGER ○ SUBMIT NEW HAND-MODIFIED CABLE BLOCK DIAGRAMS GROUNDING SCHEME SCENARIOS FOR FINAL APPROVAL |
| 14/08/13 | WEDNESDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ REQUEST WORK AT MORNING MEETING ○ SUBMIT NEW HAND-MODIFIED CABLE BLOCK DIAGRAMS OF 2 GROUNDING SCHEME SCENARIOS ○ CABLE WORK LAY FIBRE OPTIC CABLE BEFORE OPERATIONS FROM COMPUTER TO ADNACO BOX ○ IEC LEAD CONNECTIONS TO FUSED SPURS AND MOUNT ON PD01 CUBICLE ○ FINISH METAL BRAID TERMINAL CONNECTIONS ○ INSTALL PD EQUIPMENT AFTER OPERATIONS ○ PD PROBEHEAD AND RP COOLED OFF FROM BAKING ○ DATA ANALYSIS CODE UPDATED • Did not complete: <ul style="list-style-type: none"> ○ TEST FINAL DAQ SOFTWARE VERSION WITH DATAC TRIGGERS ○ PICK UP COMPLETED RP AIRSIDE CONNECTION COVER |

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| | | <ul style="list-style-type: none"> ○ CABLE WORK LAY FIBRE OPTIC CABLE FROM DATA TRIGGER TO CAMAC CRATE IN PD01 CUBICLE |
| 15/08/13 | THURSDAY | <ul style="list-style-type: none"> • Completed: <ul style="list-style-type: none"> ○ CABLE WORK LAY FIBRE OPTIC CABLE FROM DATA TRIGGER TO CAMAC CRATE IN PD01 CUBICLE ○ SECURE GROUNDING POINT ON RP ○ EQUIPMENT SETUP CHECKED AND APPROVED ○ TEST FINAL DAQ SOFTWARE VERSION WITH DATA TRIGGERS ○ PD DIAGNOSTIC PARASITIC DATA COLLECTION DAY 1 ○ BACK UP DATA AND UPDATE SHOT LOG ○ CHANGE AMPLIFIER SETTINGS ○ PLAN FOR PARASITIC DATA COLLECTION DAY 2 ○ ORBIT SIMULATION CODE UPDATED • Did not complete: <ul style="list-style-type: none"> ○ PICK UP COMPLETED RP AIRSIDE CONNECTION COVER ○ MAKE NEW RP AIRSIDE CONNECTION ○ ORBIT SIMULATIONS FOR NEXT WEEK ○ ACCESS TO CURRENT EFIT FILES ○ INCORPORATE FTP INTO CODE |
| 16/08/13 | FRIDAY | <ul style="list-style-type: none"> • GROUP PHOTO • PD DIAGNOSTIC PARASITIC DATA COLLECTION DAY 2 • PLAN FOR DEDICATED DATA COLLECTION DAY 1 |