

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

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

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

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

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