## NCSX Project Meeting May 7, 2008

**Background:** This is a report of the Project Meeting held Wednesday, May 7<sup>th</sup>. The meeting was moved to Wednesday to permit all Job Managers to attend.

The focus of this meeting is to primarily look at the next three weeks and the actions needed to ensure that the scheduled items will be met. The RLMs conduct this meeting using the three month look-ahead schedule that is sent out prior to the meeting. These minutes include:

- Summary of actions identified during the meeting;
- Safety minute briefing;
- Three week look ahead schedule: and
- Action items from previous and the current meeting

NOTE: Future meetings will be held on Wednesdays at 1:00 pm.

### **Meeting Minutes:**

<u>Safety Briefing</u> – Steve Raftopoulos spoke on a recent happening concerning metal cover plates as a tripping hazard (i.e., slip on cement floor in Manufacturing Facility):

- Metal cover plates for wires and/or lines are not always secured to the floor and can slip, creating a tripping hazard.
- Perhaps use of rubber/plastic cover plates would be preferred, but these are expensive => looking for less expensive sources.
- Jim Chrzanowski will remove these from the Manufacturing Facility tomorrow, but need to follow-up on alternate ramp design (Chrzanowski/Dudek/Viola/Levine)

#### Heitzenroeder (RLM)

- <u>Tom Brown (Jobs 8203/8205 Design Integration)</u> Tom has turned over his work on the routing within the cryostat & Test Cell to ORNL in preparations for Paul Goranson's LN<sub>2</sub> lines and manifolds PDR in early June..
- <u>Jim Chrzanowski Mike Kalish reporting Jobs 1302/1352</u>) PF coil procurement ready to be awarded placed on HOLD by Project management. Evarson is the successful bidder..
- Mike Cole (Jobs 1353/1416/1421/1601/1806/12xx?).
  - o Job 1416-NEW new work: thermal analysis of MC & LN2 cooling added to schedule and work is proceeding to get done at end of this months. Related question how do VV Title III jobs and unscheduled work get added and charged? => add to WAF, albeit with no budget and will accept variances. Action: work out plan to collect charges for unplanned work that comes up and propose mechanism for collecting charges for such work to Project (Harris/Strykowsky)
  - o Station. 3: Forecast models & drawings approved by May 9<sup>th</sup> (slight delay from May 6<sup>th</sup> projections.

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- Station 5 specs and drawings. Need to clarify when CSPEC and drawings actually needed (likely August vs. April time frame. Ensure assembly specs put back into schedule (Strykowsky)
- o Increase granularity of schedules in Jobs 1355. Increased granularity provided for other ORNL jobs. (**Cole**)
- o Organize PDR team for LN<sub>2</sub> manifolds (**Heitzenroeder**)
- Fred Dahlgren (Jobs 1353/1501/1702)
  - o FDR for Coil Support Structure delayed to update drawings and some analyses now project May  $23^{rd}$  . (**Dahlgren**)
  - o SRD for Base Support Structure needs to be revised. Fred working on that now.
  - o SRD for Coil Support Structure need to evaluate whether change is required as a result of M. Zarnstorff's comments (**Dahlgren**)
- <u>Bob Ellis (Job 8205)</u> Station. 3 Dimensional Control Plan draft issued today. Comments due back in two weeks.
- Mike Kalish (Jobs 1361 & 1354):
  - No issues on TF coil schedules previous concerns about delivery of wedges appears to now be resolved.
  - Trim coils. FDR held yesterday did not appear to have any "show stoppers". Mike is proceeding to finalize documentation and resolve CHITs.
- Steve Raftopoulos (Jobs 1702 & 6201)
  - Contract with Bagley Associates in process of being placed for cryosystems support (Heitzenroeder/Sutton)
  - o Question on whether or not we will route all leads out cyrostat can we series them internally? (**Heitzenroeder set up meeting to resolve this**)
  - Provide greater granularity on proposed cryostat work (FMEA, SRD, R&D, etc.) (Raftopoulos)

#### **Larry Dudek (RLM)**

- Tom Brown (Job 1803/05)
  - o Station 2: Wedges to ship later this week.
  - o Station 3 clearance studies moved to late May.
  - Station 5 6 tooling will be delayed until FY2009, but other Station 5 work will proceed to support assembly operations and planning. New envelop study needed to follow up on the port alignment issues. (Brown and Cole will work together to do this work)
- Mike Viola Jobs 1810/1815).
  - o Heating and cooling hoses. NCR to be prepared to document resolution of leaking hoses and larger reliability issues. (Dudek)

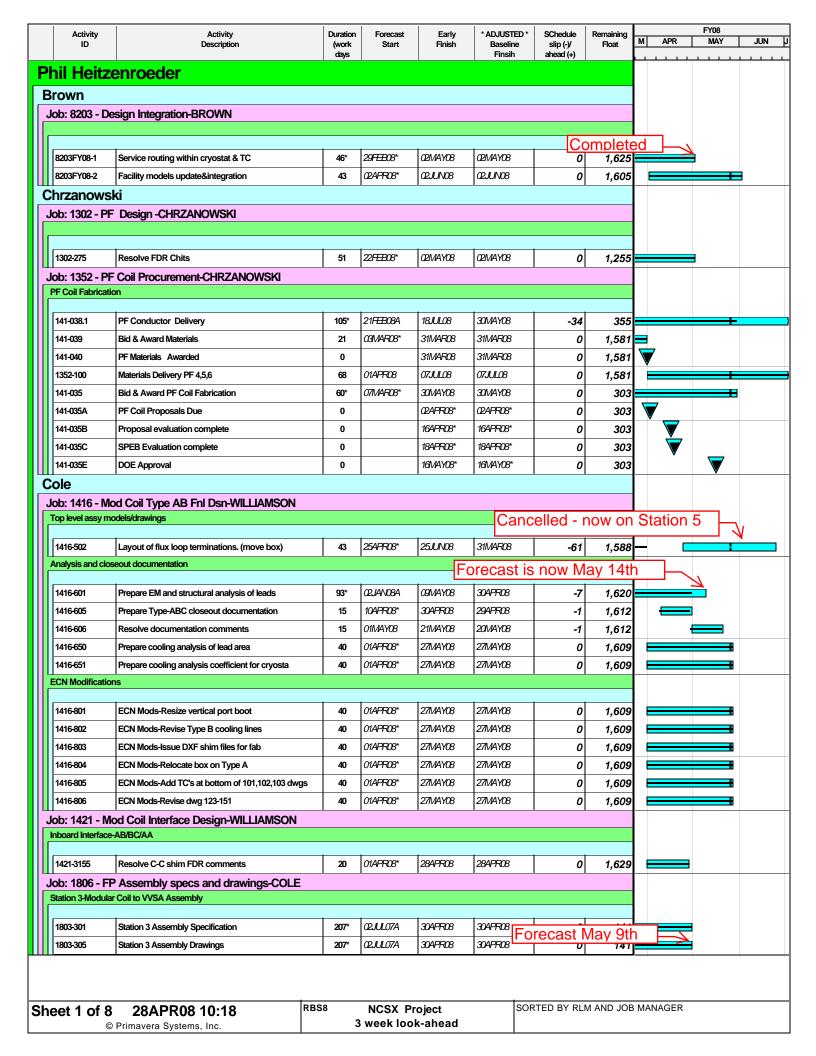
## NCSX Project Meeting May 7, 2008

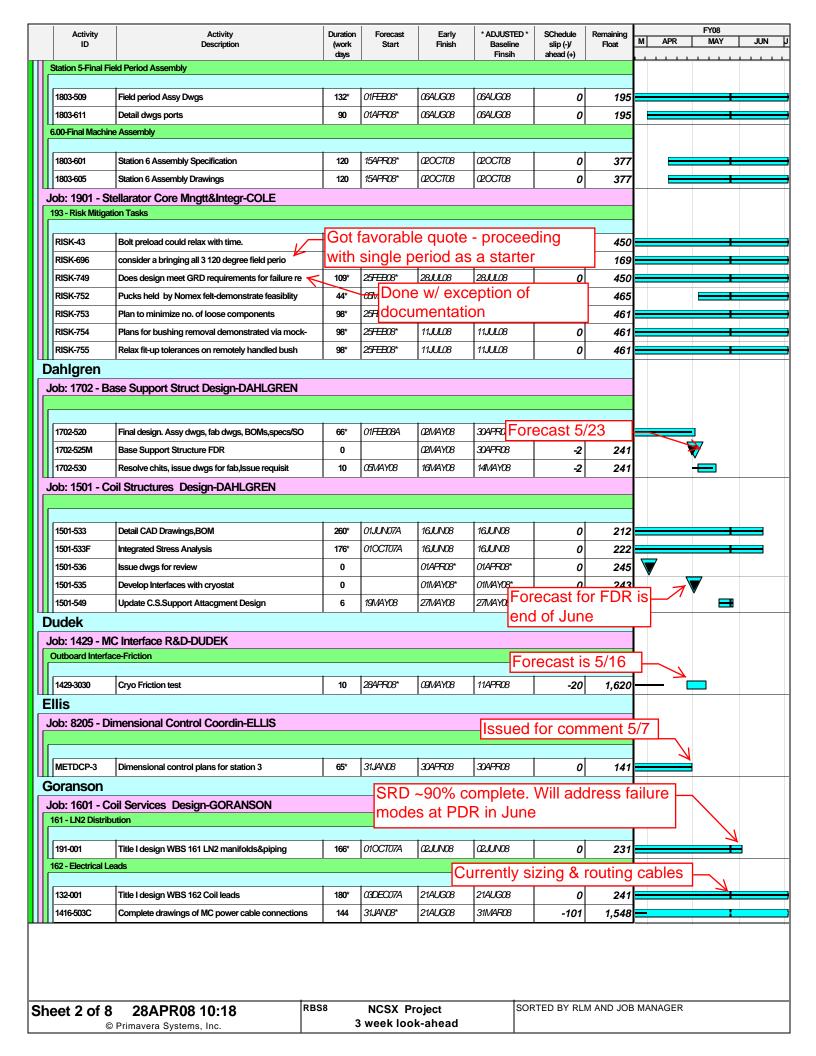
- Brent Stratton (Job 3101) installation of Rogowski loops scheduled to be completed by end of May. Work plan developed and being implemented to complete checking of thermocouple leads and heater leads by end of May to support assembly operations. (**Stratton**)
- Goranson (Job 1260) need to define path forward for enclosing pyrogel in nomex bats. **Harris** follow up with Benson to define what needs to be done (R&D & procedures). Need to ship bolt kits, aerogel, and MSDS to ORNL (**Dudek**)

# Weekly Meeting Actions Tracking Log Open Action Items

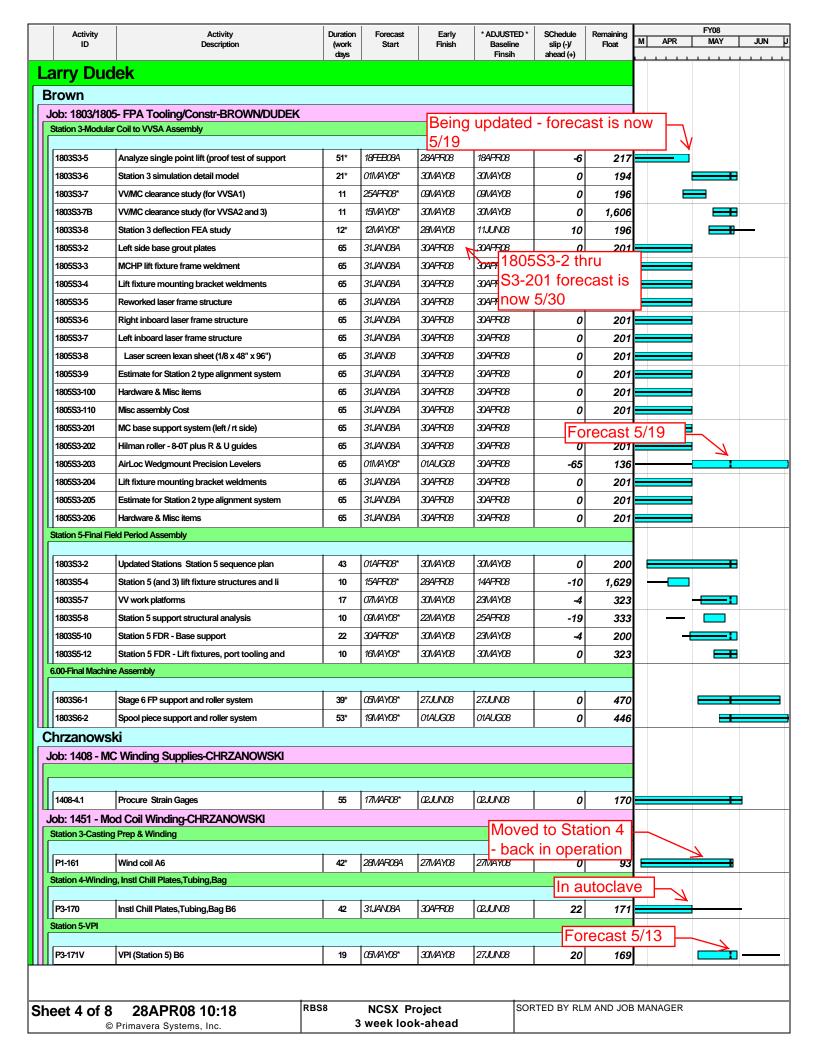
Meeting				Date of
Date	Job	Action	Responsibilty	Status Status
5/7/2008				
3///2006	8101	Provide list of pending GRD changes	Neilson/Simmons	5/3/2008 Markup GRD with pending changes to ensure don't lose track
		Setup meeting to determine how leads will be routed out		5/7/2008
		of Cryostat		
		Evaluate alternate ramp/cover plate design of floor cover plates.	Levine, et al	5/7/2008 Will retire metal cover plates (can slip) and identify more reasonably cost options (SAFETY CONCERN)
	1260	Ship bolt kits, aeorgel, MSDS to ORNL	Dudek	5/7/2008 Confirm shipped yesterday or today
4/40/0000				
4/18/2008	1260	Define path forward for enclosing pyrogel in nomex bats	Goranson	5/7/2008 Work with Benson to define scope of R&D needed and procredures. Provide plan and document in a WAF.
4/11/2008				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1806	Station 3 drawings and CSPEC	Harris/Cole	5/7/2008 Forecast is now May 9th
4/4/2008				
	1501/1551 1702/1752		Dahlgren	5/7/2008 Base Support Structure SRD needs to be revised (Dahlgren) Coil Support Structure SRD - evaluating M. Zarstorff's comments to determine whether revision is needed (Dahlgren)
		Resolve heating/cooling leak issues - assess issue, causes, and mitigation plans	Viola/Dudek	5/7/2008 Immediate assembly issue is closed (hoses being replaced). NCR to be issued to document immediate fix and longer term reliability issue.
3/19/2008				
3/19/2008	1355	Need progress milestones	Cole	5/7/2008 Identify progress milestones (Increased granularity for other ORNL jobs provided)

Date: 5/7/2008 1

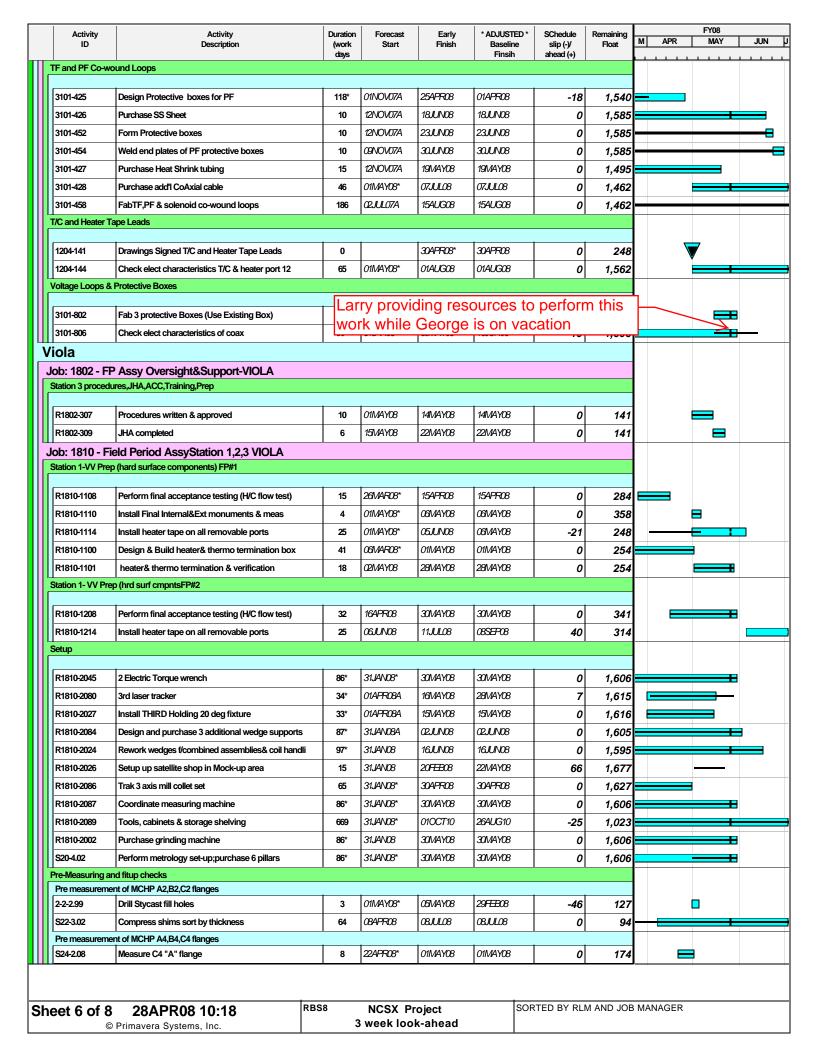




Activity ID	Activity Description	Duration (work	Forecast Start	Early Finish	* ADJUSTED * Baseline	SChedule slip (-)/	Remaining Float	М	APR	FY08 MAY	JUN
lD ID	Description	days	Start	FILISH	Finsih	ahead (+)	Float				<u> </u>
Kalish											
Job: 1361 - TF	Fabrication-KALISH										
TF Fabrication Co											
1361C-112	Fab, Test & Deliver Coil #12	1	25APR08*	25APR08	30MAY08	24	520		0		
1361C-113	Fab, Test & Deliver Coil #13	1	19MAY08*	19MAY08	23JUN08	24	530			0	
Job: 1354 - Tri	m Coil Design &Procurement-KALISH										
Trim Coil **Update	ed estimate**										
			1	1	_						
TRIM-170	Complete Trim Coil Detailed Drawings	30*	25MAR08A	O5MAYO8	07APR08	-20	246				
TRIM-200	Assy drawings & parts list	5	<i>06MAY0</i> 8	12MAY08	21APR08	-15	247		_		
TRIM-210	Prepare for FDR	5	29APR08	<b>∮Upda</b> ⁴	te dwgs/p	arts lists	s by er	nd	of		
TRIM-220	Trim Coil + Structure FDR	1	<i>06MAY0</i> 8	this w						<b>_</b> _0	
TRIM-221	** Trim Coil + Structure FDR **	0		06MAY08	29APR08	-5	246				
TRIM-230	Resolve Chits	5	<i>07</i> MAY08	13MAY08	<i>06MAY08</i>	-5	246				
	Prepare Trim Coil Procurement Spec.	19*	25MAR08*	18APR08	07APR08	-9	258				
	Approve Procurement Spec	5	<i>07</i> ///AY08	13MAY08	14APR08						
						-21	246		_		
	Trim Coil Procurement	25	14MAY08	18JUN08	11JUN08	-5	246			_	
Raftopolous											
Job: 1701 - Cry	ostat Design-RAFTOPOLOUS										
4704 000	Occupated Tableson D. 1.1		2040222	0 # # to	01 NO	اء					
	Cryostat- Tabletop Prototype	28	30APR08*	09JUN08	09JUN08	0	334				
1701-100	Cryostat- Conceptual Design	15	19MAY08*	09JUN08	<i>09JUN08</i>	0	334				
	ogenic Syst-RAFTOPOLOUS				Nee	d greate	er gran	ıula	arity	$\vdash$	
621 - LN2 Supply	& LN2 coil cooling supply									┤ \.	
00400 000	Company of Paging		041 441 600+	m##~	mu m	اء	0.10			1	
<u>                                     </u>	Conceptual Design	48	01MAY08*	09JUL08	09JUL08	0	248				
623 - GN2 Cryosta	t Cooling System										
623-099	GN2 Cryostat Cooling Sys Conceptual design	48	01MAY08*	09JUL08	09JUL08	О	254				
Sheet 3 of 8	28APR08 10:18 Primavera Systems, Inc.	BS8 3	NCSX P		SOF	RTED BY RLI	M AND JOE	3 MA	NAGER		



100   1459 - Mod Coll Fabr Punch List-CHRZANOWSKI	Activity ID	Activity Description	Duration (work days	Forecast Start	Early Finish	* ADJUSTED * Baseline Finsih	SChedule slip (-)/ ahead (+)	Remaining Float	M	APR	FY08 MAY	JI
200.1459 - Mod Coll Fabr, Punch Lisk-CHRZANOWSKI	ation 1 Post VP	1										
PLTS-85 Orinding -85	3-171C	Final Clamps & Warm Test (Station1) B5	14	22APR08*	<i>09MAY08</i>	<i>08MAY08</i>	-1	194		-		
PLTS-CS Orinding & Drill Holes CS   136"   010C10701   294PR28   1784PR28   -24   1,635   PLTS-BS Grinding -BS   5 0/M/03   25M/03   25M/03   -1   194   PLTS-CS Orinding & Drill Holes CS   20 3MW28   278FE8   555   248   PLTS-CS Orinding & Drill Holes CS   20 3MW28   278FE8   385FE8   0   33   PLTS-CS Orinding & Drill Holes CS   20 3MW28   278FE8   384M/02   555   248   PLTS-CS Orinding & Drill Holes CS   20 3MW28   278FE8   384M/02   555   248   PLTS-CS Orinding & Drill Holes CS   20 3MW28   278FE8   384M/02   555   248   PLTS-CS Orinding & Drill Holes CS   3 0 00CC0707   31LL08   31LL08   0   1,563   PLTS-CS Orinding & Drill Holes CS   3 0 00CC0707   31LL08   31LL08   0   1,563   PLTS-CS Orinding & Drill Holes CS   3 0 00CC0707   24MP28   24MP28   0   184   PLCT-CS   Insulmessure, TC, other punch lise A3   14 00CC0707   24MP28   24MP28   0   184   PLCT-CS   Insulmessure, TC, other punch lise A4   14 00CC0707   24MP28   24MP28   0   184   PLCT-CS   Insulmessure, TC, other punch lise A5   14 00CC0707   24MP28   24MP28   0   184   PLCT-CS   Insulmessure, TC, other punch lise A5   14 00CC0707   24MP28   24MP28   0   184   PLCT-CS   Insulmessure, TC, other punch lise A5   14 00CC0707   24MP28   24MP28   0   184   PLCT-A5   Insulmessure, TC, other punch lise A5   14 00CC0707   24MP28   24MP28   0   184   PLCT-A6   Insulmessure, TC, other punch lise A5   14 00CC0707   24MP28   24MP28   0   184   PLCT-A6   Insulmessure, TC, other punch lise A5   14 00CC0707   24MP28   24MP28   0   3   PLCT-A6   Insulmessure, TC, other punch lise A5   14 00CC0707   24MP28   24MP28   0   3   PLCT-A6   Insulmessure, TC, other punch lise A5   14 00CC0707   24MP28   24MP28   0   3   PLCT-A6   Insulmessure, TC, other punch lise A5   14 00CC0707   24MP28   34MP28   20   10   PLCT-A6   Insulmessure, TC, other punch lise A5   14 00CC0707   24MP28   34MP28   20   10   PLCT-A6   Insulmessure, TC, other punch lise A5   14 00CC0707   24MP28   34MP28   20   10   PLCT-A6   Insulmessure, TC, other punch lise A5   14 00CC0707   24MP28   34MP28   20	o: 1459 - Mc	od Coil Fabr.Punch List-CHRZANOWSKI										
PLTS-86 Orlinding -86	nchlist Tech sh	nop/RESA										
PLTS-86 Orlinding -86	LTS-C5	Grinding & Drill Holes -C5	136*	01OCTO7A	18APR08	17/MAR08	-24	1 635				
PLTS-A6   Grinding J. A6   S   DOCCTOR   SOSETB   SOSETB   O   93   PLTS-GRAD   Orthoding & Drill Holes - C6   20   3 JANUS   27FE2B   34-MVRB   55   248   PLTS-GRAD   Orthoding & Drill Holes - C6   20   3 JANUS   27FE2B   34-MVRB   55   248   PLTS-GRAD   Orthodicians   STATUS   ST	LTS-B5	-				15MAY08					<b>—</b>	
PLTS-CG				01OCT07A	19SEP08							
PLTS GRND   Coll to coll flup modifications (grindinglop)   1687   OILECTITA   SILLLER   SILLLER   O   1,563	LTS-C6		20		27FEB08	14MAY08						
PLCT-43 Insufmeasure, TC, other punch list-A3 17 65.LLGPA 9FEB3 0 184 PLCT-43 Insufmeasure, TC, other punch list-A3 17 65.LLGPA 96FEB3 0, 96FEB3 0 184 PLCT-43 Insufmeasure, TC, other punch list-A4 17 65.LLGPA 066FEB3 0, 96FEB3 0, 184 PLCT-43 Insufmeasure, TC, other punch list-A5 14 00CCTIVA 20FEB 0, 96FEB3 0, 184 PLCT-43 Insufmeasure, TC, other punch list-A5 18 00CCTIVA 20FEB 0, 96FEB3 0, 184 PLCT-44 Insufmeasure, TC, other punch list-A5 14 00CCTIVA 20FEB 0, 96FEB3 0, 184 PLCT-45 Insufmeasure, TC, other punch list-A5 14 00CCTIVA 20FEB 0, 978FEB 0, 184 PLCT-46 Insufmeasure, TC, other punch list-A5 14 00CCTIVA 20FEB 0, 978FEB 0, 184 PLCT-45 Insufmeasure, TC, other punch list-A5 14 00CCTIVA 20CTEB 0,	LTS-GRIND	-	165*	01DEC07A	31 <b>JUL</b> 08	31JUL08						
PLCT-64 Insuf_measure_TC, other punch list-84 17 05_LLTZA 05_MPLB 05_MPLB 0 184 PLCT-83 Insuf_measure_TC, other punch list-83 14 010CCTUZA 25_MPLB 25_MPLB 0 184 PLCT-64 Insuf_measure_TC, other punch list-84 14 010CCTUZA 25_MPLB 25_MPLB 0 184 PLCT-64 Insuf_measure_TC, other punch list-84 14 010CCTUZA 25_MPLB 24_MPLB 0 184 PLCT-65 Insuf_measure_TC, other punch list-84 14 010CCTUZA 25_MPLB 24_MPLB 0 184 PLCT-66 Insuf_measure_TC, other punch list-85 14 010CCTUZA 25_MPLB 24_MPLB 0 184 PLCT-65 Insuf_measure_TC, other punch list-85 14 010CCTUZA 25_MPLB 24_MPLB 0 184 PLCT-65 Insuf_measure_TC, other punch list-85 14 010CCTUZA 25_MPLB 24_MPLB 0 184 PLCT-65 Insuf_measure_TC, other punch list-85 14 010CCTUZA 25_MPLB 24_MPLB 0 184 PLCT-66 Insuf_measure_TC, other punch list-85 14 010CCTUZA 25_MPLB 24_MPLB 0 184 PLCT-66 Insuf_measure_TC, other punch list-86 14 010CCTUZA 25_MPLB 24_MPLB 24	nchlist- Coil Te	echnicians		l e								
PLCT-64 Insuf_measure_TC, other punch list-84 17 05_LLTZA 05_MPLB 05_MPLB 0 184 PLCT-83 Insuf_measure_TC, other punch list-83 14 010CCTUZA 25_MPLB 25_MPLB 0 184 PLCT-64 Insuf_measure_TC, other punch list-84 14 010CCTUZA 25_MPLB 25_MPLB 0 184 PLCT-64 Insuf_measure_TC, other punch list-84 14 010CCTUZA 25_MPLB 24_MPLB 0 184 PLCT-65 Insuf_measure_TC, other punch list-84 14 010CCTUZA 25_MPLB 24_MPLB 0 184 PLCT-66 Insuf_measure_TC, other punch list-85 14 010CCTUZA 25_MPLB 24_MPLB 0 184 PLCT-65 Insuf_measure_TC, other punch list-85 14 010CCTUZA 25_MPLB 24_MPLB 0 184 PLCT-65 Insuf_measure_TC, other punch list-85 14 010CCTUZA 25_MPLB 24_MPLB 0 184 PLCT-65 Insuf_measure_TC, other punch list-85 14 010CCTUZA 25_MPLB 24_MPLB 0 184 PLCT-66 Insuf_measure_TC, other punch list-85 14 010CCTUZA 25_MPLB 24_MPLB 0 184 PLCT-66 Insuf_measure_TC, other punch list-86 14 010CCTUZA 25_MPLB 24_MPLB 24				1			1					
PLCT-83 Insal,messure,TC, other punch list-83		' ' '										
PLCT-C3 Insaluneasure,TC, other punch list-C3							_					
PLCT-64 Insulmeasure,TC, other punch list-84  PLCT-C4 Insulmeasure,TC, other punch list-64  PLCT-C4 Insulmeasure,TC, other punch list-64  PLCT-C4 Insulmeasure,TC, other punch list-64  PLCT-C5 Insulmeasure,TC, other punch list-85  PLCT-C6 Insulmeasure,TC, other punch list-65  Insulmeasure,TC, other punch		•										
PLCT-C4 Insul,measure, TC, other punch list-C4		•										
PLCT-A5		•			-							
PLCT-A6 Insutmeasure,TC,SG other punch list-A6		•					_					-
PLCT-85 insut_measure,TC, other punch list-85												
PLCT-C5 Insutmeasure,TC, other punch list-C5							_					
PLCT-86 Insutmeasure,TC,SG other punch list-86		•										
PLCT-C6 Insulmeasure, TC,SG other punch list-C6		•					_					
PLCT-CBM COMPLETE MODULAR COIL FABRICATION 0 18/MPCB 04LNDB 55 248 /     Action		•										
1421-3025   Deliver remaining bladders   22"   014FR284   304FR28   184FR28   -8   106   1421-3028   Bladders available   0   304FR28   184FR28   -8   106   1421-3028   Bladders available   0   304FR28   184FR28   -8   106		•		UICCIUIA					7			
1421-3026   Bladders available   0   374F08   374F08   374F08   384F08   48   106   1048		COMPLETE MODULAR COIL FABRICATION			TAIVIARUS	0400N08	55	248				•
1429-3110   PPPL cut and grind to thickness   290°   04FED08   31MAR09   31MAR09   0   17	421-3025	Deliver remaining bladders	22*	01APR08A	30APR08	18APR08	-8	106		<u> </u>	_	
hims-Outboard  1429-3066		Bladders available	0		30APR08	18APR08	-8	106		▼ ∨		
hims-Outboard  1429-3066	429-3110	PPPL cut and grind to thickness	290*	04FEB08	31MAR09	31MAR09	0	17			-	
hims-Inboard  1429-3062X Inboard Shims												
hims-Inboard  1429-3062X Inboard Shims	100 0000	- 191:	100	001 44 D00*								
1429-3062X		Outboard Shims	130	WIVIARUS"	WSEP US	USSEPU8	U	79			-	
1421-3070   Order studs & washers for c-c joint   15   12MAY03*   02UN08   02UN08   0   534	iris-iriboard											
1421-3070 Order studs & washers for c-c joint 15 12MAY08* 02UN08 0 534  **ratton  ab: 3101 - Magnetic Diagnostics-STRATTON  **togowski Coils  3101-352 Assy & detail dgws 46 31,44408 03APR08 03APR08 0 431  3101-353 Prep installation procedure 31 04APR08 16MAY08 16MAY08 0 431  3101-354 Purchase materials 62 31,44408 25APR08 25APR08 0 446  3101-370 Check elect characteristics of cables 503* 16APR08* 23APR10 23APR10 0 1,135  3101-351 Wind coils 13* 31MAR08* 16APR08 2 of 3 completed	429-3062X	Inboard Shims	208	03MAR08*	02JAN09	02JAN09	О	74				
ratton  ab: 3101 - Magnetic Diagnostics-STRATTON  agowski Coils  3101-352	uds,Washers,N	Nuts										
Comparison   Com	421-3070	Order stude & washers for our joint	15	12N/AV0Q*	(P. II IN INR	CP. II INDR	ام	E24				
bb: 3101 - Magnetic Diagnostics-STRATTON    Strong		State States & Washers IVI CT Joint	13	izva 100	2001100	02001 VLO	ا ا	554				_
3101-352		agnotic Diagnostics STDATTON										
3101-353 Prep installation procedure 31 04APR08 16WAY08 16WAY08 0 431 3101-354 Purchase materials 62 31JAW08 25APR08 25APR08 0 446 3101-370 Check elect characteristics of cables 503* 16APR08* 23APR10 23APR10 0 1,135 3101-351 Wind coils 13* 31MAR08* 16APR08 2 of 3 completed		agricus Diagriusius STRATTUN										
3101-353 Prep installation procedure 31 04APR08 16WAY08 16WAY08 0 431 3101-354 Purchase materials 62 31JAW08 25APR08 25APR08 0 446 3101-370 Check elect characteristics of cables 503* 16APR08* 23APR10 23APR10 0 1,135 3101-351 Wind coils 13* 31MAR08* 16APR08 2 of 3 completed	101-352	Assy & detail dgws	46	31JAN08	03APR08	03APR08	0	431				
3101-354 Purchase materials 62 31,JAN/08 25APR/08 25APR/08 0 446 3101-370 Check elect characteristics of cables 503* 16APR/08* 23APR/10 23APR/10 0 1,135 3101-351 Wind coils 13* 31MAR/08* 16APR/08 2 of 3 completed									Π_			
3101-370 Check elect characteristics of cables 503* 16APR08* 23APR10 23APR10 0 1,135 3101-351 Wind coils 13* 31MAR08* 16APR08 2 of 3 completed 453		·										
3101-351 Wind coils 13* 31MAR08* 16APR08 2 of 3 completed 453		Check elect characteristics of cables										
2 of 3 completed							<del>-</del>					
		Fab coil clamps & ends	12*									
3101-359 Install Rogowski coils (budgeted in job 1815) 21* (224PR08* 304PR08 304PR08 0 255	101-357	<del> </del>	24*	MAPPOR*	30APR08					<u> </u>		-
		Install Rogowski coils (budgeted in job 1815)	21	0271 / CO								



Activity ID	Activity Description	Duration (work days	Forecast Start	Early Finish	* ADJUSTED * Baseline Finsih	SChedule slip (-)/ ahead (+)	Remaining Float	FY08  M APR MAY JUN
Station 2 MC sub	assy A1B1C1					()		
A-B MC Assemb	bly							
2-1-6.37	Fill all loose bushings with Stycast 2850FT	6	28APR08*	<i>05</i> MAY08	21MAY08	12	37	<b>–</b> –
2-1-6.38	Scan "B" flange (datum "E") of "B" coil,	1	<i>05</i> ///AY08	<i>05</i> /MAY08	21MAY08	12	37	l ·
AB-C MC Assen	mbly	_						
2-1-7.01	lift (A-B) coil, along with fixture, onto anot	3	06MAY08	<i>08MAY0</i> 8	27/MAY08	12	37	0 -
2-1-7.02	Select a subset of monuments for initial alignm	1	<i>0</i> 9 <i>M</i> AY <i>0</i> 8	<i>0</i> 9///AY08	28MAY08	12	37	0 ,
2-1-7.03	Align set of monuments selected in 7.02.	1	12MAY08	12MAY08	28MAY08	11	37	<u> </u>
2-1-7.04	Establish a set of global monuments	1	13MAY08	13MAY08	28MAY08	10	37	1 .
2-1-7.05	Mark nose shim locations & puck locations.	1	14MAY08	14MAY08	29MAY08	10	37	
2-1-7.06	Place initial set alumina shims (4-8) on Type-B	0	15MAY08	14MAY08	29MAY08	10	37	l l
2-1-7.08	Lower mating "C" coil into position.	1	15MAY08	15MAY08	30/MAY08	10	37	1 .
2-1-7.081	Perform alignment "C" coil tooling balls	1	16MAY08	16MAY08	02JUN08	10	37	
2-1-7.09	Install jack screws & dial indicators	1	19MAY08	19MAY08	03JUN08	10	37	
2-1-7.10	Position coil within ±002"	1	20MAY08	20MAY08	03JUN08	9	37	1
2-1-7.11	Install alumina coated shims studs, & "wiggle"	1	21MAY08	21MAY08	04JUN08	9	37	I -
2-1-7.12	Torque50% of final value.	1	22MAY08	22MAY08	04JUN08	8	37	0 -
Station 2 MC sub	assy A2B2C2							
A-B MC Assemb	bly	_	1	1	_			
2-2-6.15	Recheck part alignment of "A" coil	3	01MAY08*	<i>05</i> /MAY08	O5MAYO8	0	94	
2-2-6.151	Weld all Type-A flex shims plasma side	2	<i>06MAY08</i>	<i>07</i> /MAY08	<i>07</i> /MAY08	0	94	8
2-2-6.16	recheck alignment	1	<i>08MAY08</i>	<i>08MAY08</i>	<i>08MAY08</i>	0	94	8
2-2-6.17	Back office assessment of part after weld	2	<i>09MAY08</i>	12MAY08	12MAY08	0	94	
2-2-6.18	Measure "B" fiducials estab coord sys	1	<i>09M</i> AY08	<i>0</i> 9MAY08	<i>09MAY08</i>	0	95	8
2-2-6.19	Weld all Type-B (A-flange) flex shims plasma sid	2	13MAY08	14MAY08	14MAY08	0	94	8
2-2-6.20	Recheck part metrology acceptance criterion.	1	15MAY08	15MAY08	15MAY08	0	94	1
2-2-6.21	Back office assessment of part after weld	2	16MAY08	19MAY08	19MAY08	0	94	
2-2-6.22	Remove alumina shims as necessary	0	16MAY08	15MAY08	15MAY08	0	95	l
2-2-6.04	Place unfilled shim bags in wing areas	1	16MAY08	16MAY08	16MAY08	0	95	B
2-2-6.23	Lower mating "B" coil into position.	1	20MAY08	20MAY08	20MAY08	0	94	I I
2-2-6.231	Perform alignment "B" coil tooling balls	1	21MAY08	21MAY08	21MAY08	0	94	
2-2-6.24	"B" coil, position coil accurately in x, y, &	1	22MAY08	22MAY08	22MAY08	0	94	
	Preparations/General							
Misc Prep activi	<u> </u>		401 44) 504	40    11 200	00 II IN 100	.1		
R1810-3109	Remove winding stations & enclosures	21	12MAY08*	10JUN08	09JUN08	-1	187	
R1810-3107	Test out station 3 equipment and procedures	30	21APR08*	OZJUNO8	02JUN08	0	193	
	ole Mod Coils and VVSA-FP#1							
Set-up and Prep 3-1-1.01	transfer CAD models	7	19MAY08*	28MAY08	28MAY08	О	196	

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Welding w/ flux core wire looks very good - qualification could be completed this week.

