

NSTX Calculation Log

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Line #	Calc Title	Preparation			Calc #	Reviewed		Cog Review & Signoff	
		Preparer	Preparation Complete	Forecast Date (Preparer)		Reviewer	Reviewed	COG	Cog Signature
			46		49		41		27
1	Global Model	P.Titus	YES		NSTXU-CALC-10-01-02	Han Zhang	yes	Titus	I have another version of the global model calc to give to Han when she comes back from vacation next Monday (10/3)
2	Seismic Analysis	P.Titus	YES		NSTXU-CALC-10-02-00	F. Dahlgren	yes	Titus	Yes
3	Design point Spreadsheet	C.Neumeyer	YES		NSTXU-CALC-10-03-00	Physics-Menard	Y	Various	
4	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	Physics-Hatcher	Y	Various	
						Inductance matrix-Woolley	17-Aug		
5	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	Raidal Build-Chrzanowski	Y	Various	
6	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	Raidal Build-Tresemmer	Y	Various	
7	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	CSC Dims-Tresemmer	Y	Various	
8	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	TF Coil -Chrzanowski	Y	Various	
9	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	TF Coil -Zolfaghari	Y	Various	
10	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	TF Coil -Raki	Y	Various	
11	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	TF Coil -Hatcher	Y	Various	
12	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	TF Coil -Zhang	Y	Various	
13	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	OH Coil -Chrzanowski	Y	Various	
14	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	OH Coil -Zolfaghari	Y	Various	
15	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	OH Coil -Raki	Y	Various	
16	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	OH Coil -Hatcher	Y	Various	
17	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	Inner PF Coils -Chrzanowski	Y	Various	
18	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	Inner PF Coils -Raki	Y	Various	
19	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	Inner PF Coils -Hatcher	Y	Various	
20	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	PF Coil Smry-Chrzanowski	Y	Various	
21	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	PF Coil Smry-Hatcher	Y	Various	
22	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	Coil Insul Smry-Chrzanowski	Y	Various	
23	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	Circuit Smry-Raki	Y	Various	
24	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	OH PF Forces-Hatcher	Y	Various	
25	Design point Spreadsheet	C.Neumeyer			NSTXU-CALC-10-03-00	Combo Force Moment-Hatcher	Y	Various	

26	Design point Spreadsheet	C.Neumeyer		NSTXU-CALC-10-03-00	Power Sys-Raki	Y	Various	
27	Design point Spreadsheet	C.Neumeyer		NSTXU-CALC-10-03-00	Power Sys-Hatcher	Y	Various	
28	Design point Spreadsheet	C.Neumeyer		NSTXU-CALC-10-03-00	Heat Loads-Menard	Y	Various	
29	Design point Spreadsheet	C.Neumeyer		NSTXU-CALC-10-03-00	I TF-Hatcher	Y	Various	
30	Heat Balance	A.Brooks	YES	NSTXU-CALC-11-01-00	H.Zhang	Yes	Chrzanowski	Yes
31	Final Tile Stress Analysis (ATJ Tiles)	A.Brooks	YES	NSTXU-CALC-11-03-00	L.Myatt	?	Tresemmer	
31A	Armor	K.Tresemmer	YES	NSTXU-CALC-11-05-00	T.Stevenson	Yes	Tresemmer	Yes
32	Update of Analysis of Vacuum Vessel & Passive Plates	P.Titus	YES	NSTXU-CALC-12-01-01	Y.Zhai	Yes	Titus	Need to incorporate YuHu's Appendix and our preferred washer design (10/3/11)
33	OPERA 2D Disruption Analyses	Hatcher	YES	NSTXU-CALC-12-03-00	A.Brooks	Yes	Titus	Yes
34	PF2 / PF3 Bolting, Bracket, and weld Stress	P. Titus	YES	NSTXU-CALC-12-04-00	I.Zatz	Yes	Smith	Yes
35	PF4 and PF5 Support Analysis	P. Titus	YES	NSTXU-CALC-12-05-00	I.Zatz	Yes	Smith	Need time to write up existing analysis updates (10/3)
36	Aluminum Block (To Be Revise by Pete T.)	P.Titus	1-Aug	NSTXU-CALC-12-06-00	M.Smith (waiting for Pete to respond to comments)		Smith	Target middle of this week (10/3)
37	Umbrella Reinforcement Details	P. Titus	YES	NSTXU-CALC-12-07-00	I.Zatz	Yes	Smith	In Final Sign-off
38	Lid/Spoke Assembly, Upper and Lower	P.Titus/Smith	YES	NSTXU-CALC-12-08-00	I.Zatz	Yes	Smith	In Final Sign-off
39	Pedestal Analysis	P.Titus/Smith	YES	NSTXU-CALC-12-09-00	A.Zolfaghari	Yes	Smith	Yes
40	DCPS Force Influence Coefficients	Hatcher	YES	NSTXU-CALC-13-03-01	P.Titus	Yes	R.Hatcher	Yes
41	DCPS Moment Influence Coefficients	Wooley/Titus	YES	NSTXU-CALC-13-05-00	Woolley	Yes	R.Hatcher	Yes
42	Analysis of CSU Poloidal Field Coils	Woolley	N/R	NSTXU-CALC-131-01-00 replaced by 131-03-00	Neumeyer(Not required: Superceded by 131-03)	N/R	Chrzanowski	N/R

43	Poloidal Magnetic Quantities for the May 2010 Design Point	Woolley	YES	NSTXU-CALC-131-03-00	R. Hatcher	Yes	Chrzanowski	We need Bob Simmons back to do the final processing (10/3)
44	Torque Eings for Design Point	Wooley	YES	NSTXU-CALC-132-03-00	P.Titus	Yes	Titus	Yes
45	General Tile Program	J. Boales	YES	NSTXU-CALC-11-02-00	Superseded by Calc 11-03	Yes	Tresemmer	
46	Analysis of TF Outer Leg	Han Zhang	YES	NSTXU-CALC-132-04-00	Y.Zhai	Yes	Smith	I will try to review it this week (10/3)
47	Coupled EM-Thermal Analysis	Han Zhang	YES	NSTXU-CALC-132-05-00	Y.Zhai	Yes	Chrzanowski	Yes
48	TF Flex Joint and Bundle Stub	T.Willard	YES	NSTXU-CALC-132-06-00	A.Zolfaghari	Yes	Chrzanowski	Yes
49	Maximum Torsional Shear Stress	P. Titus	YES	NSTXU-CALC-132-07-00	Woolley	Yes	Chrzanowski	Yes
50	Determination of shear Forces Between the TF conductors and Insulation and the G-10 Insulating Crown.	A. Zolfaghari	YES	NSTXU-CALC-132-08-00	T.Willard	Yes	Chrzanowski	Yes
51	Analysis of Knuckle Clevis	P. Titus	YES	NSTXU-CALC-132-09-00	Han Zhang	Yes	Smith	In Final Sign-off
52	TF Cooldown using FCOOL	A. Zolfaghari	YES	NSTXU-CALC-132-10-00	M.Kalish	Yes	Chrzanowski	Yes
53	Ring Bolted Joint	Peter Rogoff	YES	NSTXU-CALC-132-11-00	I.Zatz	Yes	Smith	Yes
54	Structural Analysis of the PF1 Coils, leads and	L.Myatt	15-Aug	NSTXU-CALC-133-01-01	A.Brooks (waiting for Myatt to respond to comments)	8/15/2011	Chrzanowski	No word from Len Myatt - will call (10/3)
55	Thermal Stresses on OH-TF Coils	S.Avasarala	Cancel	NSTXU-CALC-133-02-00	Superseded by Calc 133-08	Cancel	Chrzanowski	Cancel
56	Center Stack Casing Disruption Inductive and Halo Current Loads	P.Titus	YES	NSTXU-CALC-133-03-00	various		Chrzanowski	I have Art's comments, Don't have anything from Len, Ali is looking over the interface (10/3)
57	OH Preload System and Belleville Spring Design	Peter Rogoff	YES	NSTXU-CALC-133-04-00	T.Kozub/Test	Yes	Chrzanowski	Yes
58	CS Casing Halo Ind and Res Cur	A.Brooks	YES	NSTXU-CALC-133-05-00	P.Titus	Comments sent to Brooks	Chrzanowski	Art has given me a second version of the Halo Current calc - should not be a problem to review this week. (10/3)
59	OH Cooling	A. Zolfaghari	YES	NSTXU-CALC-133-06-00	M. Mardenfeld	Yes	Chrzanowski	In Final Sign-off
60	OH Coax Lead Analysis	M. Mardenfeld	YES	NSTXU-CALC-133-07-00	A.Zolfaghari	Yes	Chrzanowski	In Final Sign-off

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