

Appendix A

Power Distribution Monitoring Factors

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TABLE A-1

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8 *	.4706 *	.5362 *	.5046 *	.5179 *	.5758 *	.4890 *	.4783 *	.2917 *
*	3.6202 *	3.6410 *	3.8973 *	3.6648 *	3.2760 *	3.8228 *	3.8631 *	6.2443 *

9 *	.5362 *	.5887 *	.5231 *	.5848 *	.5130 *	.4783 *	.4795 *	.2793 *
*	3.6410 *	3.3209 *	3.7298 *	3.2857 *	3.6974 *	3.9253 *	3.8733 *	6.5600 *

10 *	.5046 *	.5231 *	.5316 *	.5424 *	.5600 *	.4863 *	.4706 *	.2658 *
*	3.8973 *	3.7297 *	3.6740 *	3.6218 *	3.4757 *	3.9967 *	4.0462 *	6.9907 *

11 *	.5180 *	.5847 *	.5423 *	.5792 *	.5087 *	.5145 *	.4410 *	.2304 *
*	3.6646 *	3.2848 *	3.6231 *	3.3908 *	3.8337 *	3.7291 *	4.4142 *	8.3267 *

12 *	.5758 *	.5130 *	.5596 *	.5083 *	.4395 *	.4405 *	.3202 *	
*	3.2760 *	3.6969 *	3.4779 *	3.8361 *	4.0621 *	4.0968 *	5.8928 *	

13 *	.4890 *	.4780 *	.4856 *	.5132 *	.4395 *	.3286 *	.1868 *	
*	3.8229 *	3.9274 *	4.0026 *	3.7370 *	4.1057 *	5.3381 *	9.8422 *	

14 *	.4783 *	.4791 *	.4690 *	.4388 *	.3185 *	.1863 *		
*	3.8631 *	3.8767 *	4.0603 *	4.4357 *	5.9217 *	9.8641 *		

15 *	.2918 *	.2793 *	.2646 *	.2198 *	F-SUB-Q			
*	6.2413 *	6.5603 *	7.0219 *	8.7322 *	M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8 *	1.0583 *	1.1808 *	1.1306 *	1.1152 *	1.2783 *	1.0569 *	1.1500 *	.6099 *
*	1.8026 *	1.6665 *	1.7830 *	1.7385 *	1.5075 *	1.8071 *	1.6425 *	3.0532 *

9 *	1.1808 *	1.3298 *	1.1303 *	1.2539 *	1.1065 *	1.0723 *	1.1546 *	.6217 *
*	1.6665 *	1.4950 *	1.7596 *	1.5675 *	1.7477 *	1.7892 *	1.6439 *	3.0055 *

10 *	1.1306 *	1.1301 *	1.1838 *	1.1783 *	1.1592 *	1.0764 *	1.1375 *	.5949 *
*	1.7830 *	1.7599 *	1.6819 *	1.7017 *	1.7173 *	1.8333 *	1.7079 *	3.1908 *

11 *	1.1151 *	1.2539 *	1.1780 *	1.2227 *	1.0855 *	1.1746 *	1.0330 *	.5512 *
*	1.7386 *	1.5673 *	1.7020 *	1.6335 *	1.8268 *	1.6636 *	1.9002 *	3.5528 *

12 *	1.2783 *	1.1065 *	1.1586 *	1.0850 *	1.0168 *	1.1090 *	.7347 *	
*	1.5075 *	1.7478 *	1.7183 *	1.8277 *	1.8239 *	1.7019 *	2.6174 *	

13 *	1.0569 *	1.0718 *	1.0747 *	1.1723 *	1.1069 *	.7759 *	.4229 *	
*	1.8071 *	1.7900 *	1.8362 *	1.6667 *	1.7048 *	2.3845 *	4.4496 *	

14 *	1.1500 *	1.1538 *	1.1338 *	1.0273 *	.7313 *	.4219 *		
*	1.6425 *	1.6450 *	1.7135 *	1.9105 *	2.6292 *	4.4588 *		

15 *	.6104 *	.6226 *	.5924 *	.5128 *	F-SUB-Q			
*	3.0505 *	2.9980 *	3.2042 *	3.8197 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3130	* 1.4164	* 1.3804	* 1.3275	* 1.2916	* 1.2313	* 1.2390	* .6959
	* 1.5320	* 1.4265	* 1.4835	* 1.5001	* 1.5128	* 1.5728	* 1.5514	* 2.7158
9	* 1.4164	* 1.4126	* 1.3554	* 1.3377	* 1.3154	* 1.2874	* 1.2511	* .7096
	* 1.4265	* 1.4364	* 1.4861	* 1.4964	* 1.4943	* 1.5142	* 1.5446	* 2.6690
10	* 1.3804	* 1.3553	* 1.4129	* 1.3854	* 1.3201	* 1.2783	* 1.2450	* .6886
	* 1.4835	* 1.4861	* 1.4299	* 1.4635	* 1.5155	* 1.5620	* 1.5813	* 2.7979
11	* 1.3275	* 1.3377	* 1.3853	* 1.3274	* 1.2578	* 1.2034	* 1.2620	* .6650
	* 1.5001	* 1.4965	* 1.4637	* 1.5347	* 1.6030	* 1.6532	* 1.5772	* 2.9907
12	* 1.2916	* 1.3153	* 1.3197	* 1.2572	* 1.2531	* 1.2977	* .8915	*
	* 1.5128	* 1.4945	* 1.5161	* 1.6037	* 1.5553	* 1.4989	* 2.1966	*
13	* 1.2313	* 1.2864	* 1.2767	* 1.2016	* 1.2956	* .9578	* .5255	*
	* 1.5728	* 1.5148	* 1.5636	* 1.6551	* 1.5009	* 2.0036	* 3.6571	*
14	* 1.2390	* 1.2500	* 1.2402	* 1.2556	* .8877	* .5244	*	*
	* 1.5514	* 1.5454	* 1.5847	* 1.5850	* 2.2057	* 3.6649	*	*
15	* .6967	* .7116	* .6861	* .6243	F-SUB-Q			
	* 2.7127	* 2.6615	* 2.8083	* 3.1872	M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4440	* 1.5660	* 1.5194	* 1.4469	* 1.4090	* 1.3385	* 1.3663	* .7291
	* 1.4252	* 1.3179	* 1.3715	* 1.3981	* 1.4086	* 1.4687	* 1.4281	* 2.6317
9	* 1.5660	* 1.5678	* 1.4826	* 1.4747	* 1.4351	* 1.4116	* 1.3836	* .7382
	* 1.3179	* 1.3181	* 1.3820	* 1.3789	* 1.3971	* 1.4054	* 1.4207	* 2.6103
10	* 1.5195	* 1.4826	* 1.5549	* 1.5223	* 1.4598	* 1.4015	* 1.3929	* .7202
	* 1.3714	* 1.3819	* 1.3194	* 1.3553	* 1.3920	* 1.4503	* 1.4516	* 2.7275
11	* 1.4469	* 1.4747	* 1.5219	* 1.4667	* 1.3553	* 1.3358	* 1.4249	* .7090
	* 1.3982	* 1.3790	* 1.3556	* 1.4127	* 1.5055	* 1.5082	* 1.4205	* 2.8480
12	* 1.4090	* 1.4347	* 1.4594	* 1.3544	* 1.3890	* 1.4605	* .9596	*
	* 1.4086	* 1.3972	* 1.3926	* 1.5064	* 1.4354	* 1.3547	* 2.0810	*
13	* 1.3385	* 1.4106	* 1.3998	* 1.3340	* 1.4598	* 1.0391	* .5651	*
	* 1.4687	* 1.4058	* 1.4522	* 1.5097	* 1.3552	* 1.8915	* 3.4745	*
14	* 1.3663	* 1.3817	* 1.3870	* 1.4179	* .9558	* .5639	*	*
	* 1.4281	* 1.4213	* 1.4547	* 1.4274	* 2.0889	* 3.4817	*	*
15	* .7300	* .7392	* .7162	* .6639	F-SUB-Q			
	* 2.6284	* 2.6024	* 2.7364	* 3.0429	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.4963	* 1.6279	* 1.5770	* 1.4977	* 1.4732	* 1.3841	* 1.4283	* .7480
	* 1.4053	* 1.2945	* 1.3471	* 1.3747	* 1.3715	* 1.4454	* 1.3897	* 2.6113

9	* 1.6279	* 1.6420	* 1.5384	* 1.5421	* 1.4900	* 1.4630	* 1.4506	* .7582
	* 1.2945	* 1.2850	* 1.3567	* 1.3417	* 1.3713	* 1.3816	* 1.3803	* 2.5848

10	* 1.5772	* 1.5383	* 1.6157	* 1.5841	* 1.5279	* 1.4543	* 1.4731	* .7428
	* 1.3470	* 1.3567	* 1.2916	* 1.3249	* 1.3533	* 1.4214	* 1.4050	* 2.6905

11	* 1.4976	* 1.5421	* 1.5836	* 1.5342	* 1.4116	* 1.4046	* 1.5113	* .7369
	* 1.3747	* 1.3418	* 1.3254	* 1.3756	* 1.4801	* 1.4578	* 1.3657	* 2.7849

12	* 1.4732	* 1.4895	* 1.5274	* 1.4109	* 1.4563	* 1.5467	* 1.0073	*
	* 1.3715	* 1.3715	* 1.3538	* 1.4810	* 1.3996	* 1.3079	* 2.0258	*

13	* 1.3841	* 1.4621	* 1.4526	* 1.4028	* 1.5456	* 1.0870	* .5868	*
	* 1.4454	* 1.3820	* 1.4232	* 1.4592	* 1.3085	* 1.8504	* 3.4251	*

14	* 1.4283	* 1.4488	* 1.4673	* 1.5044	* 1.0036	* .5856	*	*
	* 1.3897	* 1.3811	* 1.4078	* 1.3719	* 2.0331	* 3.4319	*	*

15	* .7490	* .7599	* .7391	* .6913	* F-SUB-Q			
	* 2.6079	* 2.5764	* 2.6984	* 2.9700	* M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.5204	* 1.6575	* 1.6045	* 1.5224	* 1.5057	* 1.4071	* 1.4604	* .7602
	* 1.4079	* 1.2942	* 1.3445	* 1.3788	* 1.3690	* 1.4503	* 1.3859	* 2.6217

9	* 1.6575	* 1.6769	* 1.5647	* 1.5753	* 1.5189	* 1.4863	* 1.4866	* .7727
	* 1.2942	* 1.2812	* 1.3594	* 1.3385	* 1.3730	* 1.3880	* 1.3744	* 2.5851

10	* 1.6046	* 1.5645	* 1.6462	* 1.6166	* 1.5627	* 1.4833	* 1.5185	* .7575
	* 1.3444	* 1.3595	* 1.2910	* 1.3212	* 1.3480	* 1.4171	* 1.3841	* 2.6815

11	* 1.5224	* 1.5752	* 1.6161	* 1.5683	* 1.4462	* 1.4418	* 1.5605	* .7565
	* 1.3788	* 1.3386	* 1.3217	* 1.3636	* 1.4743	* 1.4466	* 1.3444	* 2.7538

12	* 1.5057	* 1.5183	* 1.5621	* 1.4454	* 1.4893	* 1.5953	* 1.0399	*
	* 1.3690	* 1.3733	* 1.3486	* 1.4750	* 1.3979	* 1.2986	* 2.0026	*

13	* 1.4071	* 1.4854	* 1.4816	* 1.4399	* 1.5931	* 1.1188	* .6007	*
	* 1.4503	* 1.3884	* 1.4183	* 1.4480	* 1.2993	* 1.8420	* 3.4264	*

14	* 1.4604	* 1.4849	* 1.5127	* 1.5537	* 1.0363	* .5995	*	*
	* 1.3859	* 1.3751	* 1.3894	* 1.3502	* 2.0095	* 3.4330	*	*

15	* .7612	* .7753	* .7545	* .7115	* F-SUB-Q			
	* 2.6185	* 2.5763	* 2.6886	* 2.9284	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5454	* 1.6885	* 1.6337	* 1.5496	* 1.5410	* 1.4330	* 1.4986	* .7687
	* 1.4077	* 1.2902	* 1.3364	* 1.3841	* 1.3686	* 1.4571	* 1.3813	* 2.6528
9	* 1.6885	* 1.7152	* 1.5919	* 1.6124	* 1.5500	* 1.5160	* 1.5274	* .7788
	* 1.2902	* 1.2718	* 1.3636	* 1.3349	* 1.3764	* 1.3909	* 1.3681	* 2.6294
10	* 1.6339	* 1.5917	* 1.6801	* 1.6521	* 1.6013	* 1.5152	* 1.5652	* .7651
	* 1.3363	* 1.3638	* 1.2899	* 1.3120	* 1.3424	* 1.4119	* 1.3592	* 2.7208
11	* 1.5496	* 1.6122	* 1.6515	* 1.6063	* 1.4680	* 1.4831	* 1.6113	* .7626
	* 1.3841	* 1.3351	* 1.3125	* 1.3500	* 1.4697	* 1.4349	* 1.3170	* 2.7692
12	* 1.5410	* 1.5493	* 1.6006	* 1.4672	* 1.5240	* 1.6447	* 1.0512	*
	* 1.3686	* 1.3769	* 1.3430	* 1.4707	* 1.3961	* 1.2875	* 2.0180	*
13	* 1.4330	* 1.5152	* 1.5135	* 1.4804	* 1.6424	* 1.1326	* .6030	*
	* 1.4571	* 1.3912	* 1.4141	* 1.4374	* 1.2882	* 1.8601	* 3.4902	*
14	* 1.4986	* 1.5258	* 1.5595	* 1.6046	* 1.0476	* .6018	*	*
	* 1.3813	* 1.3687	* 1.3642	* 1.3226	* 2.0248	* 3.4967	*	*
15	* .7697	* .7804	* .7617	* .7160	F-SUB-Q			
	* 2.6494	* 2.6203	* 2.7273	* 2.9484	M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5570	* 1.7039	* 1.6482	* 1.5629	* 1.5591	* 1.4471	* 1.5196	* .7738
	* 1.4253	* 1.3044	* 1.3535	* 1.4053	* 1.3880	* 1.4808	* 1.3972	* 2.7036
9	* 1.7039	* 1.7337	* 1.6051	* 1.6318	* 1.5670	* 1.5319	* 1.5506	* .7835
	* 1.3044	* 1.2837	* 1.3813	* 1.3490	* 1.3939	* 1.4066	* 1.3812	* 2.6796
10	* 1.6484	* 1.6048	* 1.6989	* 1.6721	* 1.6226	* 1.5331	* 1.5930	* .7701
	* 1.3534	* 1.3816	* 1.2991	* 1.3209	* 1.3530	* 1.4210	* 1.3630	* 2.7633
11	* 1.5629	* 1.6315	* 1.6713	* 1.6266	* 1.4829	* 1.5094	* 1.6424	* .7693
	* 1.4053	* 1.3493	* 1.3215	* 1.3610	* 1.4829	* 1.4360	* 1.3180	* 2.7909
12	* 1.5591	* 1.5662	* 1.6218	* 1.4820	* 1.5434	* 1.6737	* 1.0621	*
	* 1.3880	* 1.3946	* 1.3536	* 1.4840	* 1.4019	* 1.2878	* 2.0323	*
13	* 1.4471	* 1.5311	* 1.5314	* 1.5046	* 1.6713	* 1.1446	* .6056	*
	* 1.4808	* 1.4076	* 1.4231	* 1.4375	* 1.2889	* 1.8761	* 3.5320	*
14	* 1.5196	* 1.5490	* 1.5873	* 1.6357	* 1.0586	* .6045	*	*
	* 1.3972	* 1.3821	* 1.3679	* 1.3234	* 2.0389	* 3.5384	*	*
15	* .7748	* .7852	* .7668	* .7223	F-SUB-Q			
	* 2.7000	* 2.6720	* 2.7727	* 2.9745	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5688	* 1.7201	* 1.6631	* 1.5767	* 1.5783	* 1.4609	* 1.5416	* .7773 *
	* 1.4616	* 1.3321	* 1.3722	* 1.4313	* 1.4118	* 1.5104	* 1.4173	* 2.7695 *
9	* 1.7201	* 1.7541	* 1.6186	* 1.6525	* 1.5837	* 1.5485	* 1.5742	* .7858 *
	* 1.3321	* 1.3071	* 1.4041	* 1.3661	* 1.4162	* 1.4264	* 1.3966	* 2.7475 *
10	* 1.6633	* 1.6183	* 1.7181	* 1.6924	* 1.6446	* 1.5507	* 1.6194	* .7722 *
	* 1.3721	* 1.4045	* 1.3158	* 1.3352	* 1.3680	* 1.4358	* 1.3685	* 2.8236 *
11	* 1.5767	* 1.6521	* 1.6916	* 1.6479	* 1.4947	* 1.5345	* 1.6719	* .7700 *
	* 1.4313	* 1.3664	* 1.3358	* 1.3727	* 1.5103	* 1.4487	* 1.3258	* 2.8467 *
12	* 1.5783	* 1.5829	* 1.6438	* 1.4935	* 1.5625	* 1.7018	* 1.0652	* .7773 *
	* 1.4118	* 1.4170	* 1.3687	* 1.5115	* 1.4283	* 1.3031	* 2.0832	* .7858 *
13	* 1.4609	* 1.5476	* 1.5490	* 1.5296	* 1.6995	* 1.1499	* .6046	* .7700 *
	* 1.5104	* 1.4274	* 1.4381	* 1.4533	* 1.3048	* 1.9222	* 3.6337	* .7722 *
14	* 1.5416	* 1.5727	* 1.6138	* 1.6651	* 1.0617	* .6035		* .7700 *
	* 1.4173	* 1.3979	* 1.3733	* 1.3312	* 2.0899	* 3.6402		* .7722 *
15	* .7784	* .7875	* .7690	* .7247	F-SUB-Q			
	* 2.7656	* 2.7414	* 2.8350	* 3.0223	M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5557	* 1.7068	* 1.6509	* 1.5639	* 1.5630	* 1.4505	* 1.5275	* .7780 *
	* 1.5189	* 1.3806	* 1.4220	* 1.4888	* 1.4733	* 1.5721	* 1.4775	* 2.8574 *
9	* 1.7068	* 1.7358	* 1.6066	* 1.6359	* 1.5726	* 1.5383	* 1.5617	* .7888 *
	* 1.3806	* 1.3558	* 1.4590	* 1.4231	* 1.4702	* 1.4786	* 1.4509	* 2.8216 *
10	* 1.6510	* 1.6063	* 1.7074	* 1.6820	* 1.6285	* 1.5411	* 1.6091	* .7743 *
	* 1.4219	* 1.4594	* 1.3647	* 1.3837	* 1.4240	* 1.4852	* 1.4142	* 2.8909 *
11	* 1.5639	* 1.6354	* 1.6811	* 1.6329	* 1.4972	* 1.5246	* 1.6615	* .7792 *
	* 1.4888	* 1.4235	* 1.3844	* 1.4258	* 1.5517	* 1.4955	* 1.3684	* 2.8900 *
12	* 1.5630	* 1.5717	* 1.6276	* 1.4963	* 1.5538	* 1.6911	* 1.0807	* .7792 *
	* 1.4733	* 1.4710	* 1.4247	* 1.5526	* 1.4867	* 1.3560	* 2.1126	* .7743 *
13	* 1.4505	* 1.5374	* 1.5394	* 1.5198	* 1.6887	* 1.1644	* .6117	* .7792 *
	* 1.5721	* 1.4796	* 1.4875	* 1.5001	* 1.3579	* 1.9669	* 3.7136	* .7743 *
14	* 1.5275	* 1.5602	* 1.6035	* 1.6548	* 1.0772	* .6106		* .7792 *
	* 1.4775	* 1.4522	* 1.4190	* 1.3738	* 2.1193	* 3.7202		* .7743 *
15	* .7790	* .7917	* .7726	* .7345	F-SUB-Q			
	* 2.8537	* 2.8111	* 2.8967	* 3.0661	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.5694	* 1.7262	* 1.6683	* 1.5802	* 1.5871	* 1.4664	* 1.5565	* .7781 *
	* 1.5576	* 1.4128	* 1.4580	* 1.5273	* 1.5052	* 1.6132	* 1.5028	* 2.9587 *

9	* 1.7262	* 1.7629	* 1.6225	* 1.6628	* 1.5920	* 1.5596	* 1.5917	* .7846 *
	* 1.4128	* 1.3815	* 1.4963	* 1.4496	* 1.5041	* 1.5086	* 1.4729	* 2.9386 *

10	* 1.6685	* 1.6220	* 1.7299	* 1.7059	* 1.6570	* 1.5612	* 1.6412	* .7709 *
	* 1.4578	* 1.4968	* 1.3959	* 1.4138	* 1.4482	* 1.5122	* 1.4329	* 3.0034 *

11	* 1.5803	* 1.6623	* 1.7049	* 1.6601	* 1.5004	* 1.5549	* 1.6977	* .7702 *
	* 1.5272	* 1.4500	* 1.4146	* 1.4524	* 1.5947	* 1.5150	* 1.3837	* 3.0209 *

12	* 1.5871	* 1.5910	* 1.6561	* 1.4992	* 1.5749	* 1.7249	* 1.0690	*
	* 1.5052	* 1.5049	* 1.4490	* 1.5959	* 1.5109	* 1.3689	* 2.2008	*

13	* 1.4664	* 1.5585	* 1.5595	* 1.5500	* 1.7224	* 1.1570	* .6023	*
	* 1.6132	* 1.5095	* 1.5145	* 1.5196	* 1.3708	* 2.0391	* 3.8728	*

14	* 1.5565	* 1.5902	* 1.6356	* 1.6910	* 1.0656	* .6012	*	*
	* 1.5028	* 1.4741	* 1.4377	* 1.3891	* 2.2077	* 3.8795	*	*

15	* .7792	* .7864	* .7679	* .7249	F-SUB-Q			
	* 2.9545	* 2.9316	* 3.0147	* 3.2088	M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.5651	* 1.7237	* 1.6657	* 1.5772	* 1.5869	* 1.4645	* 1.5592	* .7762 *
	* 1.5847	* 1.4377	* 1.4794	* 1.5531	* 1.5373	* 1.6632	* 1.5589	* 3.0792 *

9	* 1.7237	* 1.7617	* 1.6193	* 1.6633	* 1.5913	* 1.5612	* 1.5957	* .7819 *
	* 1.4377	* 1.4028	* 1.5198	* 1.4742	* 1.5384	* 1.5650	* 1.5252	* 3.0595 *

10	* 1.6659	* 1.6188	* 1.7303	* 1.7070	* 1.6590	* 1.5614	* 1.6473	* .7683 *
	* 1.4792	* 1.5202	* 1.4220	* 1.4411	* 1.4768	* 1.5659	* 1.4802	* 3.1225 *

11	* 1.5772	* 1.6627	* 1.7060	* 1.6610	* 1.4986	* 1.5604	* 1.7060	* .7687 *
	* 1.5531	* 1.4747	* 1.4420	* 1.4797	* 1.6415	* 1.5669	* 1.4295	* 3.1320 *

12	* 1.5869	* 1.5903	* 1.6580	* 1.4973	* 1.5757	* 1.7309	* 1.0690	*
	* 1.5373	* 1.5393	* 1.4777	* 1.6427	* 1.5659	* 1.4140	* 2.2819	*

13	* 1.4645	* 1.5601	* 1.5597	* 1.5556	* 1.7284	* 1.1575	* .5997	*
	* 1.6632	* 1.5659	* 1.5682	* 1.5716	* 1.4159	* 2.1104	* 4.0224	*

14	* 1.5592	* 1.5941	* 1.6417	* 1.6993	* 1.0656	* .5986	*	*
	* 1.5589	* 1.5265	* 1.4850	* 1.4349	* 2.2888	* 4.0291	*	*

15	* .7773	* .7838	* .7653	* .7235	F-SUB-Q			
	* 3.0748	* 3.0520	* 3.1338	* 3.3286	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.5453	* 1.7030	* 1.6464	* 1.5576	* 1.5655	* 1.4478	* 1.5393	* .7721 *
	* 1.5677	* 1.4191	* 1.4591	* 1.5322	* 1.5179	* 1.6389	* 1.5393	* 3.0411 *

9	* 1.7030	* 1.7369	* 1.5999	* 1.6402	* 1.5732	* 1.5463	* 1.5771	* .7788 *
	* 1.4191	* 1.3874	* 1.4989	* 1.4568	* 1.5162	* 1.5400	* 1.5080	* 3.0159 *

10	* 1.6465	* 1.5995	* 1.7118	* 1.6890	* 1.6364	* 1.5468	* 1.6302	* .7651 *
	* 1.4590	* 1.4995	* 1.4010	* 1.4198	* 1.4590	* 1.5432	* 1.4679	* 3.0831 *

11	* 1.5576	* 1.6396	* 1.6879	* 1.6394	* 1.4911	* 1.5441	* 1.6886	* .7710 *
	* 1.5322	* 1.4573	* 1.4207	* 1.4614	* 1.6078	* 1.5520	* 1.4206	* 3.0745 *

12	* 1.5655	* 1.5721	* 1.6354	* 1.4901	* 1.5595	* 1.7128	* 1.0746	*
	* 1.5179	* 1.5172	* 1.4599	* 1.6089	* 1.5563	* 1.4142	* 2.2336	*

13	* 1.4478	* 1.5452	* 1.5443	* 1.5393	* 1.7103	* 1.1617	* .6013	*
	* 1.6389	* 1.5410	* 1.5456	* 1.5567	* 1.4162	* 2.0853	* 3.9917	*

14	* 1.5393	* 1.5755	* 1.6247	* 1.6820	* 1.0712	* .6002	*	*
	* 1.5393	* 1.5093	* 1.4728	* 1.4260	* 2.2406	* 3.9987	*	*

15	* .7731	* .7818	* .7632	* .7271	* F-SUB-Q			
	* 3.0368	* 3.0044	* 3.0887	* 3.2596	* M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.5476	* 1.7095	* 1.6516	* 1.5623	* 1.5772	* 1.4527	* 1.5572	* .7670 *
	* 1.5295	* 1.3810	* 1.4213	* 1.4914	* 1.4698	* 1.5931	* 1.4838	* 2.9692 *

9	* 1.7095	* 1.7507	* 1.6046	* 1.6543	* 1.5808	* 1.5566	* 1.5958	* .7703 *
	* 1.3810	* 1.3449	* 1.4604	* 1.4103	* 1.4728	* 1.4929	* 1.4538	* 2.9610 *

10	* 1.6518	* 1.6041	* 1.7214	* 1.6997	* 1.6510	* 1.5583	* 1.6508	* .7566 *
	* 1.4211	* 1.4609	* 1.3613	* 1.3783	* 1.4115	* 1.4949	* 1.4141	* 3.0294 *

11	* 1.5624	* 1.6536	* 1.7006	* 1.6539	* 1.4854	* 1.5633	* 1.7131	* .7571 *
	* 1.4913	* 1.4108	* 1.3775	* 1.4147	* 1.5783	* 1.4955	* 1.3664	* 3.0403 *

12	* 1.5772	* 1.5797	* 1.6499	* 1.4841	* 1.5687	* 1.7338	* 1.0562	*
	* 1.4698	* 1.4738	* 1.4124	* 1.5797	* 1.5094	* 1.3619	* 2.2132	*

13	* 1.4527	* 1.5555	* 1.5558	* 1.5586	* 1.7313	* 1.1463	* .5879	*
	* 1.5931	* 1.4938	* 1.4972	* 1.4999	* 1.3639	* 2.0594	* 3.9641	*

14	* 1.5572	* 1.5943	* 1.6453	* 1.7065	* 1.0529	* .5869	*	*
	* 1.4838	* 1.4550	* 1.4186	* 1.3715	* 2.2200	* 3.9708	*	*

15	* .7682	* .7723	* .7538	* .7142	* F-SUB-Q			
	* 2.9649	* 2.9534	* 3.0399	* 3.2255	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5362	* 1.6994	* 1.6417	* 1.5522	* 1.5704	* 1.4443	* 1.5545	* .7603
	* 1.4854	* 1.3380	* 1.3742	* 1.4416	* 1.4174	* 1.5385	* 1.4270	* 2.8770
9	* 1.6994	* 1.7431	* 1.5945	* 1.6479	* 1.5731	* 1.5513	* 1.5942	* .7624
	* 1.3380	* 1.2996	* 1.4115	* 1.3594	* 1.4210	* 1.4378	* 1.3969	* 2.8732
10	* 1.6419	* 1.5940	* 1.7139	* 1.6952	* 1.6463	* 1.5541	* 1.6511	* .7486
	* 1.3740	* 1.4122	* 1.3136	* 1.3273	* 1.3591	* 1.4387	* 1.3560	* 2.9378
11	* 1.5523	* 1.6471	* 1.6939	* 1.6483	* 1.4762	* 1.5632	* 1.7156	* .7487
	* 1.4415	* 1.3600	* 1.3283	* 1.3630	* 1.5240	* 1.4343	* 1.3085	* 2.9479
12	* 1.5704	* 1.5719	* 1.6452	* 1.4748	* 1.5620	* 1.7333	* 1.0462	*
	* 1.4174	* 1.4220	* 1.3600	* 1.5254	* 1.4590	* 1.3093	* 2.1407	*
13	* 1.4443	* 1.5503	* 1.5516	* 1.5585	* 1.7308	* 1.1364	* .5795	*
	* 1.5385	* 1.4386	* 1.4408	* 1.4385	* 1.3112	* 1.9932	* 3.8511	*
14	* 1.5545	* 1.5926	* 1.6456	* 1.7090	* 1.0429	* .5785	*	*
	* 1.4270	* 1.3980	* 1.3603	* 1.3134	* 2.1471	* 3.8576	*	*
15	* .7614	* .7644	* .7459	* .7075	F-SUB-Q			
	* 2.8727	* 2.8656	* 2.9478	* 3.1218	M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5186	* 1.6820	* 1.6250	* 1.5354	* 1.5549	* 1.4294	* 1.5412	* .7528
	* 1.4467	* 1.3013	* 1.3369	* 1.4039	* 1.3792	* 1.4977	* 1.3867	* 2.8012
9	* 1.6820	* 1.7258	* 1.5776	* 1.6318	* 1.5575	* 1.5382	* 1.5815	* .7543
	* 1.3013	* 1.2638	* 1.3741	* 1.3222	* 1.3823	* 1.3963	* 1.3561	* 2.7989
10	* 1.6252	* 1.5770	* 1.6982	* 1.6801	* 1.6305	* 1.5415	* 1.6390	* .7405
	* 1.3368	* 1.3748	* 1.2763	* 1.2891	* 1.3217	* 1.3961	* 1.3138	* 2.8608
11	* 1.5355	* 1.6310	* 1.6788	* 1.6326	* 1.4603	* 1.5516	* 1.7042	* .7421
	* 1.4038	* 1.3228	* 1.2901	* 1.3247	* 1.4823	* 1.3896	* 1.2663	* 2.8628
12	* 1.5549	* 1.5563	* 1.6293	* 1.4588	* 1.5477	* 1.7206	* 1.0382	*
	* 1.3792	* 1.3833	* 1.3226	* 1.4837	* 1.4158	* 1.2672	* 2.0735	*
13	* 1.4294	* 1.5372	* 1.5390	* 1.5469	* 1.7180	* 1.1281	* .5737	*
	* 1.4977	* 1.3971	* 1.3982	* 1.3937	* 1.2691	* 1.9292	* 3.7396	*
14	* 1.5412	* 1.5800	* 1.6335	* 1.6977	* 1.0350	* .5727	*	*
	* 1.3867	* 1.3571	* 1.3180	* 1.2710	* 2.0797	* 3.7459	*	*
15	* .7539	* .7563	* .7379	* .7006	F-SUB-Q			
	* 2.7970	* 2.7913	* 2.8704	* 3.0333	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4908	* 1.6519	* 1.5964	* 1.5074	* 1.5247	* 1.4040	* 1.5120	* .7438 *
	* 1.4788	* 1.3300	* 1.3674	* 1.4377	* 1.4143	* 1.5332	* 1.4211	* 2.8518 *
9	* 1.6519	* 1.6913	* 1.5486	* 1.5998	* 1.5302	* 1.5128	* 1.5526	* .7464 *
	* 1.3300	* 1.2948	* 1.4058	* 1.3554	* 1.4142	* 1.4266	* 1.3880	* 2.8441 *
10	* 1.5966	* 1.5480	* 1.6693	* 1.6496	* 1.5991	* 1.5164	* 1.6104	* .7329 *
	* 1.3672	* 1.4066	* 1.3043	* 1.3188	* 1.3543	* 1.4254	* 1.3416	* 2.9050 *
11	* 1.5074	* 1.5989	* 1.6484	* 1.6014	* 1.4411	* 1.5243	* 1.6750	* .7400 *
	* 1.4377	* 1.3561	* 1.3198	* 1.3568	* 1.5055	* 1.4191	* 1.2919	* 2.8833 *
12	* 1.5247	* 1.5289	* 1.5979	* 1.4399	* 1.5207	* 1.6901	* 1.0372 *	
	* 1.4143	* 1.4153	* 1.3553	* 1.5067	* 1.4439	* 1.2922	* 2.0811 *	
13	* 1.4040	* 1.5118	* 1.5140	* 1.5196	* 1.6875	* 1.1242	* .5717 *	
	* 1.5332	* 1.4273	* 1.4276	* 1.4232	* 1.2942	* 1.9388	* 3.7627 *	
14	* 1.5120	* 1.5511	* 1.6051	* 1.6685	* 1.0340	* .5707 *		
	* 1.4211	* 1.3891	* 1.3460	* 1.2967	* 2.0874	* 3.7690 *		
15	* .7449	* .7492	* .7311	* .6983	* F-SUB-Q			
	* 2.8476	* 2.8328	* 2.9096	* 3.0547	* M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4854	* 1.6501	* 1.5931	* 1.5037	* 1.5282	* 1.4009	* 1.5209	* .7343 *
	* 1.4278	* 1.2836	* 1.3237	* 1.3938	* 1.3647	* 1.4873	* 1.3675	* 2.8015 *
9	* 1.6501	* 1.6975	* 1.5462	* 1.6057	* 1.5286	* 1.5134	* 1.5615	* .7335 *
	* 1.2836	* 1.2451	* 1.3620	* 1.3051	* 1.3685	* 1.3788	* 1.3344	* 2.8065 *
10	* 1.5933	* 1.5456	* 1.6697	* 1.6531	* 1.6063	* 1.5174	* 1.6189	* .7189 *
	* 1.3235	* 1.3626	* 1.2598	* 1.2710	* 1.3030	* 1.3761	* 1.2874	* 2.8675 *
11	* 1.5038	* 1.6048	* 1.6517	* 1.6074	* 1.4295	* 1.5319	* 1.6866	* .7194 *
	* 1.3937	* 1.3059	* 1.2721	* 1.3056	* 1.4658	* 1.3614	* 1.2366	* 2.8671 *
12	* 1.5282	* 1.5273	* 1.6050	* 1.4280	* 1.5193	* 1.6985	* 1.0089 *	
	* 1.3647	* 1.3696	* 1.3040	* 1.4672	* 1.3878	* 1.2361	* 2.0606 *	
13	* 1.4009	* 1.5124	* 1.5149	* 1.5272	* 1.6958	* 1.0985	* .5537 *	
	* 1.4873	* 1.3796	* 1.3783	* 1.3655	* 1.2380	* 1.9066	* 3.7469 *	
14	* 1.5209	* 1.5600	* 1.6134	* 1.6801	* 1.0057	* .5527 *		
	* 1.3675	* 1.3356	* 1.2917	* 1.2413	* 2.0669	* 3.7533 *		
15	* .7354	* .7355	* .7164	* .6804	* F-SUB-Q			
	* 2.7973	* 2.7988	* 2.8771	* 3.0312	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4639	* 1.6285	* 1.5715	* 1.4822	* 1.5064	* 1.3816	* 1.5020	* .7232 *
	* 1.3891	* 1.2493	* 1.2909	* 1.3614	* 1.3331	* 1.4524	* 1.3334	* 2.7422 *
9	* 1.6285	* 1.6751	* 1.5250	* 1.5842	* 1.5074	* 1.4946	* 1.5419	* .7212 *
	* 1.2493	* 1.2130	* 1.3289	* 1.2731	* 1.3357	* 1.3435	* 1.3006	* 2.7515 *
10	* 1.5717	* 1.5244	* 1.6495	* 1.6331	* 1.5850	* 1.4980	* 1.5963	* .7060 *
	* 1.2908	* 1.3294	* 1.2267	* 1.2375	* 1.2709	* 1.3410	* 1.2549	* 2.8127 *
11	* 1.4824	* 1.5833	* 1.6317	* 1.5866	* 1.4081	* 1.5100	* 1.6639	* .7060 *
	* 1.3613	* 1.2738	* 1.2385	* 1.2725	* 1.4303	* 1.3271	* 1.2039	* 2.8123 *
12	* 1.5064	* 1.5061	* 1.5837	* 1.4066	* 1.4980	* 1.6746	* .9903 *	
	* 1.3331	* 1.3369	* 1.2719	* 1.4318	* 1.3480	* 1.2021	* 2.0164 *	
13	* 1.3816	* 1.4936	* 1.4954	* 1.5053	* 1.6719	* 1.0805	* .5427 *	
	* 1.4524	* 1.3443	* 1.3433	* 1.3312	* 1.2040	* 1.8585	* 3.6740 *	
14	* 1.5020	* 1.5404	* 1.5908	* 1.6573	* .9872	* .5417 *		
	* 1.3334	* 1.3018	* 1.2592	* 1.2086	* 2.0228	* 3.6805 *		
15	* .7243	* .7231	* .7036	* .6674	* F-SUB-Q			
	* 2.7380	* 2.7441	* 2.8225	* 2.9737	* M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4226	* 1.5821	* 1.5271	* 1.4393	* 1.4535	* 1.3433	* 1.4496	* .7103 *
	* 1.3816	* 1.2430	* 1.2854	* 1.3574	* 1.3379	* 1.4464	* 1.3376	* 2.7062 *
9	* 1.5821	* 1.6169	* 1.4805	* 1.5289	* 1.4625	* 1.4528	* 1.4876	* .7097 *
	* 1.2430	* 1.2155	* 1.3239	* 1.2767	* 1.3324	* 1.3377	* 1.3045	* 2.7095 *
10	* 1.5273	* 1.4799	* 1.6043	* 1.5846	* 1.5283	* 1.4540	* 1.5353	* .6946 *
	* 1.2852	* 1.3246	* 1.2200	* 1.2333	* 1.2756	* 1.3363	* 1.2616	* 2.7699 *
11	* 1.4393	* 1.5281	* 1.5834	* 1.5327	* 1.3728	* 1.4513	* 1.5976	* .6987 *
	* 1.3573	* 1.2774	* 1.2343	* 1.2742	* 1.4183	* 1.3345	* 1.2112	* 2.7511 *
12	* 1.4535	* 1.4612	* 1.5270	* 1.3715	* 1.4530	* 1.6101	* .9797 *	
	* 1.3379	* 1.3336	* 1.2766	* 1.4196	* 1.3415	* 1.2066	* 1.9700 *	
13	* 1.3433	* 1.4519	* 1.4515	* 1.4465	* 1.6083	* 1.0682	* .5380 *	
	* 1.4464	* 1.3386	* 1.3387	* 1.3388	* 1.2086	* 1.8148	* 3.5840 *	
14	* 1.4496	* 1.4861	* 1.5298	* 1.5910	* .9765	* .5370 *		
	* 1.3376	* 1.3058	* 1.2661	* 1.2162	* 1.9764	* 3.5906 *		
15	* .7113	* .7126	* .6933	* .6590	* F-SUB-Q			
	* 2.7025	* 2.6986	* 2.7750	* 2.9169	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3957	* 1.5540	* 1.4977	* 1.4138	* 1.4245	* 1.3217	* 1.4268	* .6962 *
	* 1.3702	* 1.2310	* 1.2756	* 1.3455	* 1.3292	* 1.4315	* 1.3232	* 2.6917 *
9	* 1.5540	* 1.5844	* 1.4545	* 1.5001	* 1.4372	* 1.4309	* 1.4612	* .6919 *
	* 1.2310	* 1.2071	* 1.3117	* 1.2666	* 1.3197	* 1.3217	* 1.2924	* 2.7095 *
10	* 1.4979	* 1.4539	* 1.5801	* 1.5602	* 1.5003	* 1.4296	* 1.4971	* .6729 *
	* 1.2754	* 1.3122	* 1.2049	* 1.2185	* 1.2648	* 1.3226	* 1.2585	* 2.7859 *
11	* 1.4138	* 1.4993	* 1.5590	* 1.5056	* 1.3438	* 1.4144	* 1.5568	* .6685 *
	* 1.3454	* 1.2672	* 1.2194	* 1.2623	* 1.4100	* 1.3317	* 1.2083	* 2.8017 *
12	* 1.4245	* 1.4360	* 1.4991	* 1.3424	* 1.4270	* 1.5713	* .9326 *	
	* 1.3292	* 1.3209	* 1.2658	* 1.4115	* 1.3276	* 1.2029	* 2.0134 *	
13	* 1.3217	* 1.4297	* 1.4271	* 1.4095	* 1.5697	* 1.0254	* .5124 *	
	* 1.4315	* 1.3228	* 1.3250	* 1.3363	* 1.2041	* 1.8383	* 3.6653 *	
14	* 1.4268	* 1.4596	* 1.4914	* 1.5500	* .9293	* .5114 *		
	* 1.3232	* 1.2937	* 1.2633	* 1.2136	* 2.0204	* 3.6723 *		
15	* .6972	* .6937	* .6703	* .6283	* F-SUB-Q			
	* 2.6877	* 2.7025	* 2.7970	* 2.9788	* M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3132	* 1.4644	* 1.4036	* 1.3377	* 1.3589	* 1.2561	* 1.3501	* .6781 *
	* 1.4252	* 1.2781	* 1.3322	* 1.3918	* 1.3326	* 1.4749	* 1.3691	* 2.7097 *
9	* 1.4644	* 1.4873	* 1.3701	* 1.4152	* 1.3630	* 1.3544	* 1.3789	* .6748 *
	* 1.2781	* 1.2575	* 1.3601	* 1.3139	* 1.3620	* 1.3662	* 1.3403	* 2.7239 *
10	* 1.4037	* 1.3694	* 1.4891	* 1.4765	* 1.4123	* 1.3530	* 1.3993	* .6506 *
	* 1.3321	* 1.3608	* 1.2507	* 1.2594	* 1.3150	* 1.3672	* 1.3178	* 2.8251 *
11	* 1.3378	* 1.4145	* 1.4754	* 1.4192	* 1.2829	* 1.3234	* 1.4427	* .6314 *
	* 1.3917	* 1.3145	* 1.2603	* 1.3101	* 1.4451	* 1.3792	* 1.2759	* 2.9084 *
12	* 1.3589	* 1.3619	* 1.4112	* 1.2816	* 1.3375	* 1.4659	* .8779 *	
	* 1.3326	* 1.3631	* 1.3160	* 1.4466	* 1.3855	* 1.2595	* 2.0948 *	
13	* 1.2561	* 1.3532	* 1.3503	* 1.3186	* 1.4634	* .9640	* .4776 *	
	* 1.4749	* 1.3674	* 1.3699	* 1.3820	* 1.2617	* 1.9146	* 3.8558 *	
14	* 1.3501	* 1.3774	* 1.3936	* 1.4359	* .8747	* .4766 *		
	* 1.3691	* 1.3419	* 1.3232	* 1.2820	* 2.1026	* 3.8635 *		
15	* .6789	* .6763	* .6483	* .5911	* F-SUB-Q			
	* 2.7062	* 2.7176	* 2.8359	* 3.1069	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0860	* 1.2339	* 1.1463	* 1.1331	* 1.3689	* 1.0709	* 1.2653	* .6026 *
	* 1.6953	* 1.4919	* 1.6048	* 1.6135	* 1.3326	* 1.7013	* 1.4357	* 3.0072 *
9	* 1.2339	* 1.4287	* 1.1393	* 1.3319	* 1.1406	* 1.1412	* 1.2829	* .6056 *
	* 1.4919	* 1.2861	* 1.6123	* 1.3725	* 1.6012	* 1.5960	* 1.4160	* 2.9933 *
10	* 1.1464	* 1.1389	* 1.2456	* 1.2605	* 1.2572	* 1.1478	* 1.2777	* .5780 *
	* 1.6047	* 1.6129	* 1.4707	* 1.4500	* 1.4506	* 1.5848	* 1.4213	* 3.1357 *
11	* 1.1332	* 1.3313	* 1.2596	* 1.3197	* 1.1187	* 1.3182	* 1.1853	* .5303 *
	* 1.6134	* 1.3731	* 1.4511	* 1.3834	* 1.6299	* 1.3792	* 1.5295	* 3.4170 *
12	* 1.3689	* 1.1399	* 1.2561	* 1.1177	* 1.1250	* 1.2845	* .7500 *	
	* 1.3326	* 1.6023	* 1.4519	* 1.6313	* 1.6210	* 1.4146	* 2.4170 *	
13	* 1.0709	* 1.1401	* 1.1446	* 1.3156	* 1.2823	* .8131	* .3950 *	
	* 1.7013	* 1.5975	* 1.5893	* 1.3820	* 1.4170	* 2.2362	* 4.6004 *	
14	* 1.2653	* 1.2814	* 1.2743	* 1.1798	* .7471	* .3942 *		
	* 1.4357	* 1.4176	* 1.4251	* 1.5367	* 2.4266	* 4.6098 *		
15	* .6032	* .6067	* .5754	* .5003	* F-SUB-Q			
	* 3.0039	* 2.9879	* 3.1508	* 3.6226	* M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .4987	* .5301	* .4883	* .5089	* .5895	* .4828	* .5083	* .2870 *
	* 3.6521	* 3.4339	* 3.7251	* 3.5503	* 3.0624	* 3.7357	* 3.5404	* 6.2636 *
9	* .5301	* .6036	* .5069	* .5941	* .5100	* .4841	* .5126	* .2737 *
	* 3.4339	* 3.0113	* 3.5836	* 3.0425	* 3.5410	* 3.7219	* 3.5098	* 6.5703 *
10	* .4883	* .5068	* .5342	* .5562	* .5825	* .4975	* .5092	* .2622 *
	* 3.7251	* 3.5843	* 3.3854	* 3.2508	* 3.0975	* 3.6203	* 3.5328	* 6.8588 *
11	* .5089	* .5937	* .5560	* .6026	* .5158	* .5595	* .4839	* .2329 *
	* 3.5504	* 3.0440	* 3.2523	* 2.9969	* 3.4972	* 3.2171	* 3.7133	* 7.7212 *
12	* .5895	* .5096	* .5820	* .5154	* .4812	* .5067	* .3331 *	
	* 3.0624	* 3.5437	* 3.1002	* 3.5001	* 3.7485	* 3.5518	* 5.3961 *	
13	* .4828	* .4836	* .4967	* .5584	* .5058	* .3549	* .1806 *	
	* 3.7357	* 3.7259	* 3.6265	* 3.2238	* 3.5580	* 5.0755	* 9.9823 *	
14	* .5083	* .5120	* .5078	* .4816	* .3318	* .1802 *		
	* 3.5404	* 3.5143	* 3.5427	* 3.7315	* 5.4175	* 10.0066 *		
15	* .2872	* .2745	* .2615	* .2203	* F-SUB-Q			
	* 6.2599	* 6.5510	* 6.8771	* 8.1644	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 75 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .4004 *	* .4556 *	* .4362 *	* .4553 *	* .5083 *	* .4319 *	* .4351 *	* .2679 *
	* 4.1456 *	* 4.1748 *	* 4.4272 *	* 4.1304 *	* 3.6734 *	* 4.2872 *	* 4.2079 *	* 6.7451 *
9	* .4556 *	* .5067 *	* .4511 *	* .5136 *	* .4511 *	* .4300 *	* .4361 *	* .2567 *
	* 4.1748 *	* 3.8113 *	* 4.2634 *	* 3.6965 *	* 4.1640 *	* 4.3229 *	* 4.2187 *	* 7.0789 *
10	* .4361 *	* .4509 *	* .4688 *	* .4816 *	* .5031 *	* .4357 *	* .4292 *	* .2449 *
	* 4.4277 *	* 4.2648 *	* 4.1288 *	* 4.0461 *	* 3.8301 *	* 4.4222 *	* 4.3939 *	* 7.5257 *
11	* .4552 *	* .5136 *	* .4815 *	* .5156 *	* .4491 *	* .4667 *	* .4055 *	* .2133 *
	* 4.1307 *	* 3.6959 *	* 4.0470 *	* 3.7546 *	* 4.2400 *	* 4.0467 *	* 4.7244 *	* 8.9065 *
12	* .5083 *	* .4511 *	* .5029 *	* .4488 *	* .3941 *	* .4029 *	* .2907 *	
	* 3.6734 *	* 4.1644 *	* 3.8322 *	* 4.2424 *	* 4.4036 *	* 4.4144 *	* 6.3940 *	
13	* .4319 *	* .4299 *	* .4351 *	* .4657 *	* .4021 *	* .2992 *	* .1720 *	
	* 4.2872 *	* 4.3249 *	* 4.4284 *	* 4.0543 *	* 4.4231 *	* 5.7811 *	* 10.5336 *	
14	* .4351 *	* .4358 *	* .4279 *	* .4036 *	* .2894 *	* .1716 *		
	* 4.2079 *	* 4.2218 *	* 4.4082 *	* 4.7456 *	* 6.4221 *	* 10.5550 *		
15	* .2680 *	* .2568 *	* .2439 *	* .2031 *	F-SUB-Q			
	* 6.7416 *	* 7.0782 *	* 7.5557 *	* 9.3566 *	M-SUB-Q			

AT 100% POWER, 75 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9158 *	* 1.0272 *	* .9868 *	* .9982 *	* 1.1433 *	* .9433 *	* 1.0505 *	* .5715 *
	* 2.0567 *	* 1.8913 *	* 2.0066 *	* 1.9243 *	* 1.6697 *	* 2.0055 *	* 1.7822 *	* 3.2337 *
9	* 1.0272 *	* 1.1575 *	* .9928 *	* 1.1168 *	* .9962 *	* .9701 *	* 1.0544 *	* .5816 *
	* 1.8913 *	* 1.6958 *	* 1.9774 *	* 1.7359 *	* 1.9237 *	* 1.9497 *	* 1.7840 *	* 3.1901 *
10	* .9868 *	* .9926 *	* 1.0518 *	* 1.0564 *	* 1.0605 *	* .9766 *	* 1.0416 *	* .5568 *
	* 2.0066 *	* 1.9777 *	* 1.8781 *	* 1.8749 *	* 1.8598 *	* 2.0025 *	* 1.8474 *	* 3.3818 *
11	* .9981 *	* 1.1168 *	* 1.0560 *	* 1.1057 *	* .9706 *	* 1.0729 *	* .9544 *	* .5133 *
	* 1.9245 *	* 1.7356 *	* 1.8755 *	* 1.7795 *	* 1.9960 *	* 1.7958 *	* 2.0276 *	* 3.7779 *
12	* 1.1433 *	* .9961 *	* 1.0600 *	* .9701 *	* .9307 *	* 1.0174 *	* .6715 *	
	* 1.6697 *	* 1.9239 *	* 1.8608 *	* 1.9971 *	* 1.9714 *	* 1.8331 *	* 2.8267 *	
13	* .9433 *	* .9698 *	* .9752 *	* 1.0711 *	* 1.0158 *	* .7072 *	* .3928 *	
	* 2.0055 *	* 1.9507 *	* 2.0059 *	* 1.7986 *	* 1.8359 *	* 2.5852 *	* 4.7301 *	
14	* 1.0505 *	* 1.0538 *	* 1.0387 *	* .9498 *	* .6687 *	* .3920 *		
	* 1.7822 *	* 1.7851 *	* 1.8527 *	* 2.0373 *	* 2.8378 *	* 4.7389 *		
15	* .5720 *	* .5821 *	* .5547 *	* .4785 *	F-SUB-Q			
	* 3.2308 *	* 3.1826 *	* 3.3943 *	* 4.0543 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 75 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1530	* 1.2597	* 1.2260	* 1.2169	* 1.2687	* 1.1493	* 1.1902	* .6820
	* 1.7244	* 1.5861	* 1.6458	* 1.6040	* 1.5272	* 1.6703	* 1.5996	* 2.7529
9	* 1.2597	* 1.2935	* 1.2228	* 1.2585	* 1.2272	* 1.1927	* 1.2017	* .6942
	* 1.5861	* 1.5504	* 1.6317	* 1.5774	* 1.5878	* 1.6161	* 1.5957	* 2.7099
10	* 1.2260	* 1.2228	* 1.2838	* 1.2737	* 1.2488	* 1.1944	* 1.1923	* .6725
	* 1.6458	* 1.6317	* 1.5630	* 1.5798	* 1.5888	* 1.6628	* 1.6411	* 2.8433
11	* 1.2168	* 1.2585	* 1.2734	* 1.2440	* 1.1762	* 1.2013	* 1.2051	* .6359
	* 1.6041	* 1.5775	* 1.5802	* 1.6169	* 1.6824	* 1.6351	* 1.6312	* 3.0975
12	* 1.2687	* 1.2271	* 1.2485	* 1.1755	* 1.1793	* 1.2408		* .8424
	* 1.5272	* 1.5879	* 1.5893	* 1.6834	* 1.6348	* 1.5502		* 2.2977
13	* 1.1493	* 1.1919	* 1.1931	* 1.1992	* 1.2390	* .8942		* .4982
	* 1.6703	* 1.6168	* 1.6654	* 1.6378	* 1.5523	* 2.1229		* 3.8143
14	* 1.1902	* 1.2008	* 1.1893	* 1.1998	* .8394	* .4972		
	* 1.5995	* 1.5968	* 1.6443	* 1.6382	* 2.3058	* 3.8218		
15	* .6828	* .6960	* .6703	* .5981	* F-SUB-Q			
	* 2.7499	* 2.7027	* 2.8525	* 3.2950	* M-SUB-Q			

AT 100% POWER, 75 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2808	* 1.4064	* 1.3662	* 1.3519	* 1.4408	* 1.2804	* 1.3543	* .7412
	* 1.5902	* 1.4533	* 1.5016	* 1.4674	* 1.3663	* 1.5235	* 1.4278	* 2.5742
9	* 1.4064	* 1.4654	* 1.3584	* 1.4247	* 1.3676	* 1.3352	* 1.3696	* .7477
	* 1.4533	* 1.3981	* 1.4926	* 1.4160	* 1.4480	* 1.4623	* 1.4229	* 2.5573
10	* 1.3663	* 1.3585	* 1.4325	* 1.4264	* 1.4166	* 1.3352	* 1.3683	* .7253
	* 1.5015	* 1.4925	* 1.4233	* 1.4372	* 1.4235	* 1.5017	* 1.4616	* 2.6790
11	* 1.3519	* 1.4246	* 1.4259	* 1.4080	* 1.3115	* 1.3793	* 1.3955	* .6940
	* 1.4675	* 1.4161	* 1.4378	* 1.4556	* 1.5400	* 1.4526	* 1.4347	* 2.8828
12	* 1.4408	* 1.3675	* 1.4162	* 1.3107	* 1.3306	* 1.4324		* .9282
	* 1.3663	* 1.4482	* 1.4240	* 1.5409	* 1.4846	* 1.3734		* 2.1296
13	* 1.2804	* 1.3341	* 1.3338	* 1.3771	* 1.4306	* .9874		* .5452
	* 1.5235	* 1.4628	* 1.5042	* 1.4549	* 1.3751	* 1.9715		* 3.5657
14	* 1.3544	* 1.3686	* 1.3636	* 1.3901	* .9251	* .5441		
	* 1.4278	* 1.4237	* 1.4642	* 1.4403	* 2.1365	* 3.5723		
15	* .7421	* .7499	* .7233	* .6510	* F-SUB-Q			
	* 2.5709	* 2.5501	* 2.6865	* 3.0745	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 75 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3380	* 1.4745	* 1.4312	* 1.4226	* 1.5395	* 1.3481	* 1.4459	* .7795 *
	* 1.5579	* 1.4174	* 1.4584	* 1.4207	* 1.3027	* 1.4742	* 1.3620	* 2.4947 *
9	* 1.4745	* 1.5533	* 1.4249	* 1.5154	* 1.4431	* 1.4136	* 1.4645	* .7881 *
	* 1.4174	* 1.3482	* 1.4487	* 1.3555	* 1.3983	* 1.4080	* 1.3554	* 2.4729 *
10	* 1.4313	* 1.4250	* 1.5056	* 1.5079	* 1.5094	* 1.4160	* 1.4738	* .7654 *
	* 1.4583	* 1.4487	* 1.3785	* 1.3858	* 1.3604	* 1.4402	* 1.3880	* 2.5850 *
11	* 1.4226	* 1.5153	* 1.5072	* 1.4969	* 1.3838	* 1.4868	* 1.5053	* .7344 *
	* 1.4207	* 1.3557	* 1.3863	* 1.3972	* 1.4925	* 1.3776	* 1.3586	* 2.7704 *
12	* 1.5395	* 1.4427	* 1.5089	* 1.3830	* 1.4093	* 1.5437		* .9899 *
	* 1.3027	* 1.3985	* 1.3609	* 1.4933	* 1.4353	* 1.3042		* 2.0439 *
13	* 1.3481	* 1.4126	* 1.4142	* 1.4846	* 1.5418	* 1.0471		* .5746 *
	* 1.4742	* 1.4084	* 1.4427	* 1.3796	* 1.3057	* 1.9054		* 3.4682 *
14	* 1.4460	* 1.4635	* 1.4690	* 1.4999	* .9868	* .5735		
	* 1.3620	* 1.3560	* 1.3902	* 1.3635	* 2.0500	* 3.4743		
15	* .7804	* .7905	* .7636	* .6901	* F-SUB-Q			
	* 2.4916	* 2.4655	* 2.5914	* 2.9496	* M-SUB-Q			

AT 100% POWER, 75 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3667	* 1.5097	* 1.4654	* 1.4641	* 1.5971	* 1.3881	* 1.5015	* .8063 *
	* 1.5562	* 1.4124	* 1.4508	* 1.4098	* 1.2827	* 1.4629	* 1.3397	* 2.4648 *
9	* 1.5097	* 1.5987	* 1.4617	* 1.5671	* 1.4886	* 1.4626	* 1.5229	* .8186 *
	* 1.4124	* 1.3360	* 1.4404	* 1.3372	* 1.3850	* 1.3907	* 1.3312	* 2.4326 *
10	* 1.4656	* 1.4616	* 1.5475	* 1.5550	* 1.5642	* 1.4679	* 1.5400	* .7960 *
	* 1.4506	* 1.4405	* 1.3672	* 1.3658	* 1.3390	* 1.4162	* 1.3565	* 2.5370 *
11	* 1.4641	* 1.5668	* 1.5543	* 1.5485	* 1.4285	* 1.5535	* 1.5739	* .7644 *
	* 1.4098	* 1.3375	* 1.3664	* 1.3726	* 1.4756	* 1.3458	* 1.3244	* 2.7090 *
12	* 1.5971	* 1.4881	* 1.5636	* 1.4277	* 1.4571	* 1.6117		* 1.0351 *
	* 1.2827	* 1.3852	* 1.3395	* 1.4765	* 1.4211	* 1.2792		* 1.9996 *
13	* 1.3881	* 1.4616	* 1.4649	* 1.5513	* 1.6098	* 1.0895		* .5953 *
	* 1.4629	* 1.3910	* 1.4185	* 1.3477	* 1.2806	* 1.8802		* 3.4365 *
14	* 1.5015	* 1.5219	* 1.5353	* 1.5686	* 1.0321			* .5943 *
	* 1.3397	* 1.3317	* 1.3604	* 1.3289	* 2.0053			* 3.4423 *
15	* .8073	* .8212	* .7943	* .7202	* F-SUB-Q			
	* 2.4616	* 2.4250	* 2.5425	* 2.8760	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 75 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.3928	* 1.5426	* 1.4970	* 1.5032	* 1.6534	* 1.4265	* 1.5584	* .8262 *
	* 1.5554	* 1.4070	* 1.4493	* 1.4066	* 1.2698	* 1.4594	* 1.3230	* 2.4665 *

9	* 1.5426	* 1.6433	* 1.4955	* 1.6176	* 1.5313	* 1.5098	* 1.5818	* .8341 *
	* 1.4070	* 1.3218	* 1.4388	* 1.3245	* 1.3793	* 1.3802	* 1.3130	* 2.4476 *

10	* 1.4972	* 1.4953	* 1.5883	* 1.6003	* 1.6174	* 1.5197	* 1.6035	* .8109 *
	* 1.4491	* 1.4390	* 1.3601	* 1.3501	* 1.3249	* 1.3991	* 1.3234	* 2.5479 *

11	* 1.5033	* 1.6173	* 1.5994	* 1.5986	* 1.4703	* 1.6181	* 1.6407	* .7783 *
	* 1.4066	* 1.3248	* 1.3508	* 1.3521	* 1.4593	* 1.3153	* 1.2896	* 2.7073 *

12	* 1.6534	* 1.5307	* 1.6164	* 1.4693	* 1.5026	* 1.6774	* 1.0562 *	
	* 1.2698	* 1.3796	* 1.3255	* 1.4602	* 1.4114	* 1.2592	* 2.0014 *	

13	* 1.4265	* 1.5089	* 1.5167	* 1.6158	* 1.6754	* 1.1117	* .6027 *	
	* 1.4594	* 1.3803	* 1.4012	* 1.3172	* 1.2607	* 1.8893	* 3.4803 *	

14	* 1.5584	* 1.5808	* 1.5988	* 1.6354	* 1.0532	* .6017 *		
	* 1.3230	* 1.3135	* 1.3272	* 1.2938	* 2.0071	* 3.4861 *		

15	* .8273	* .8368	* .8094	* .7321	* F-SUB-Q			
	* 2.4631	* 2.4397	* 2.5529	* 2.8789	* M-SUB-Q			

AT 100% POWER, 75 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.4053	* 1.5593	* 1.5134	* 1.5261	* 1.6868	* 1.4498	* 1.5941	* .8404 *
	* 1.5762	* 1.4233	* 1.4649	* 1.4240	* 1.2800	* 1.4773	* 1.3304	* 2.4942 *

9	* 1.5593	* 1.6661	* 1.5142	* 1.6468	* 1.5570	* 1.5400	* 1.6205	* .8476 *
	* 1.4233	* 1.3333	* 1.4555	* 1.3336	* 1.3944	* 1.3913	* 1.3171	* 2.4773 *

10	* 1.5136	* 1.5139	* 1.6120	* 1.6276	* 1.6520	* 1.5537	* 1.6446	* .8239 *
	* 1.4646	* 1.4557	* 1.3673	* 1.3559	* 1.3302	* 1.3997	* 1.3216	* 2.5729 *

11	* 1.5261	* 1.6464	* 1.6267	* 1.6291	* 1.4955	* 1.6589	* 1.6842	* .7907 *
	* 1.4240	* 1.3339	* 1.3567	* 1.3567	* 1.4679	* 1.3123	* 1.2860	* 2.7144 *

12	* 1.6868	* 1.5564	* 1.6510	* 1.4946	* 1.5307	* 1.7194	* 1.0753 *	
	* 1.2800	* 1.3947	* 1.3309	* 1.4689	* 1.4147	* 1.2536	* 2.0084 *	

13	* 1.4498	* 1.5391	* 1.5507	* 1.6566	* 1.7174	* 1.1306	* .6096 *	
	* 1.4773	* 1.3914	* 1.4025	* 1.3141	* 1.2551	* 1.8995	* 3.5091 *	

14	* 1.5942	* 1.6196	* 1.6400	* 1.6789	* 1.0724	* .6086 *		
	* 1.3303	* 1.3178	* 1.3253	* 1.2900	* 2.0138	* 3.5148 *		

15	* .8416	* .8504	* .8224	* .7440	* F-SUB-Q			
	* 2.4907	* 2.4691	* 2.5776	* 2.8855	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 75 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4162	* 1.5748	* 1.5283	* 1.5462	* 1.7184	* 1.4707	* 1.6291	* .8508
	* 1.6185	* 1.4553	* 1.4886	* 1.4498	* 1.2973	* 1.5042	* 1.3443	* 2.5438
9	* 1.5748	* 1.6885	* 1.5308	* 1.6742	* 1.5798	* 1.5674	* 1.6554	* .8545
	* 1.4553	* 1.3510	* 1.4794	* 1.3490	* 1.4178	* 1.4090	* 1.3289	* 2.5364
10	* 1.5285	* 1.5304	* 1.6339	* 1.6524	* 1.6842	* 1.5840	* 1.6816	* .8302
	* 1.4883	* 1.4798	* 1.3847	* 1.3689	* 1.3364	* 1.4057	* 1.3221	* 2.6290
11	* 1.5462	* 1.6738	* 1.6514	* 1.6567	* 1.5177	* 1.6964	* 1.7240	* .7962
	* 1.4498	* 1.3493	* 1.3697	* 1.3666	* 1.4918	* 1.3241	* 1.2891	* 2.7626
12	* 1.7184	* 1.5791	* 1.6832	* 1.5167	* 1.5562	* 1.7583	* 1.0843	*
	* 1.2973	* 1.4182	* 1.3372	* 1.4929	* 1.4403	* 1.2660	* 2.0550	*
13	* 1.4707	* 1.5666	* 1.5809	* 1.6940	* 1.7562	* 1.1412	* .6119	*
	* 1.5042	* 1.4097	* 1.4084	* 1.3260	* 1.2674	* 1.9440	* 3.6041	*
14	* 1.6291	* 1.6546	* 1.6770	* 1.7187	* 1.0814	* .6109	*	*
	* 1.3443	* 1.3296	* 1.3258	* 1.2931	* 2.0604	* 3.6098	*	*
15	* .8520	* .8573	* .8288	* .7520	* F-SUB-Q			
	* 2.5400	* 2.5279	* 2.6335	* 2.9255	* M-SUB-Q			

AT 100% POWER, 75 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4050	* 1.5632	* 1.5187	* 1.5393	* 1.7086	* 1.4669	* 1.6234	* .8571
	* 1.6778	* 1.5050	* 1.5452	* 1.5085	* 1.3525	* 1.5637	* 1.3985	* 2.6170
9	* 1.5632	* 1.6731	* 1.5228	* 1.6632	* 1.5742	* 1.5666	* 1.6513	* .8682
	* 1.5050	* 1.4044	* 1.5364	* 1.4030	* 1.4740	* 1.4585	* 1.3790	* 2.5862
10	* 1.5190	* 1.5224	* 1.6267	* 1.6467	* 1.6766	* 1.5847	* 1.6806	* .8447
	* 1.5449	* 1.5369	* 1.4366	* 1.4178	* 1.3851	* 1.4492	* 1.3637	* 2.6710
11	* 1.5394	* 1.6627	* 1.6457	* 1.6481	* 1.5132	* 1.6924	* 1.7218	* .8107
	* 1.5084	* 1.4035	* 1.4187	* 1.4174	* 1.5381	* 1.3640	* 1.3292	* 2.7983
12	* 1.7086	* 1.5735	* 1.6755	* 1.5122	* 1.5534	* 1.7558	* 1.1070	*
	* 1.3525	* 1.4745	* 1.3860	* 1.5392	* 1.4947	* 1.3125	* 2.0750	*
13	* 1.4669	* 1.5659	* 1.5817	* 1.6900	* 1.7537	* 1.1611	* .6223	*
	* 1.5637	* 1.4592	* 1.4519	* 1.3659	* 1.3141	* 1.9863	* 3.6706	*
14	* 1.6235	* 1.6505	* 1.6760	* 1.7166	* 1.1041	* .6213	*	*
	* 1.3985	* 1.3796	* 1.3674	* 1.3333	* 2.0804	* 3.6764	*	*
15	* .8583	* .8712	* .8433	* .7655	* F-SUB-Q			
	* 2.6133	* 2.5771	* 2.6752	* 2.9636	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 75 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4150	* 1.5788	* 1.5326	* 1.5583	* 1.7428	* 1.4860	* 1.6605	* .8615 *
	* 1.7250	* 1.5435	* 1.5878	* 1.5500	* 1.3803	* 1.6069	* 1.4229	* 2.7069 *
9	* 1.5788	* 1.6989	* 1.5377	* 1.6932	* 1.5959	* 1.5929	* 1.6891	* .8632 *
	* 1.5435	* 1.4329	* 1.5788	* 1.4308	* 1.5120	* 1.4905	* 1.4012	* 2.7041 *
10	* 1.5329	* 1.5373	* 1.6479	* 1.6710	* 1.7109	* 1.6140	* 1.7197	* .8386 *
	* 1.5875	* 1.5793	* 1.4723	* 1.4513	* 1.4094	* 1.4769	* 1.3830	* 2.7920 *
11	* 1.5584	* 1.6926	* 1.6698	* 1.6771	* 1.5333	* 1.7321	* 1.7653	* .8039 *
	* 1.5499	* 1.4313	* 1.4522	* 1.4463	* 1.5738	* 1.3816	* 1.3450	* 2.9257 *
12	* 1.7428	* 1.5951	* 1.7098	* 1.5330	* 1.5773	* 1.7974	* 1.0985	*
	* 1.3803	* 1.5127	* 1.4103	* 1.5741	* 1.5224	* 1.3261	* 2.1642	*
13	* 1.4860	* 1.5922	* 1.6109	* 1.7297	* 1.7953	* 1.1566	* .6144	*
	* 1.6069	* 1.4911	* 1.4796	* 1.3835	* 1.3276	* 2.0584	* 3.8331	*
14	* 1.6605	* 1.6883	* 1.7151	* 1.7600	* 1.0956	* .6134	*	*
	* 1.4229	* 1.4018	* 1.3866	* 1.3490	* 2.1697	* 3.8389	*	*
15	* .8628	* .8662	* .8373	* .7563	* F-SUB-Q			
	* 2.7028	* 2.6946	* 2.7962	* 3.1099	* M-SUB-Q			

AT 100% POWER, 75 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4092	* 1.5745	* 1.5287	* 1.5579	* 1.7470	* 1.4873	* 1.6688	* .8630 *
	* 1.7602	* 1.5750	* 1.6141	* 1.5775	* 1.4063	* 1.6486	* 1.4687	* 2.8165 *
9	* 1.5745	* 1.6969	* 1.5350	* 1.6955	* 1.5972	* 1.5986	* 1.6984	* .8644 *
	* 1.5750	* 1.4571	* 1.6052	* 1.4538	* 1.5419	* 1.5400	* 1.4481	* 2.8140 *
10	* 1.5290	* 1.5345	* 1.6480	* 1.6730	* 1.7165	* 1.6219	* 1.7315	* .8397 *
	* 1.6138	* 1.6057	* 1.4991	* 1.4781	* 1.4404	* 1.5263	* 1.4300	* 2.9024 *
11	* 1.5579	* 1.6948	* 1.6718	* 1.6800	* 1.5351	* 1.7419	* 1.7787	* .8051 *
	* 1.5775	* 1.4543	* 1.4791	* 1.4714	* 1.6163	* 1.4264	* 1.3910	* 3.0354 *
12	* 1.7470	* 1.5964	* 1.7154	* 1.5339	* 1.5808	* 1.8091	* 1.1019	*
	* 1.4063	* 1.5427	* 1.4414	* 1.6175	* 1.5735	* 1.3712	* 2.2452	*
13	* 1.4873	* 1.5979	* 1.6188	* 1.7395	* 1.8069	* 1.1599	* .6136	*
	* 1.6486	* 1.5406	* 1.5290	* 1.4284	* 1.3728	* 2.1333	* 3.9845	*
14	* 1.6688	* 1.6977	* 1.7269	* 1.7734	* 1.0991	* .6126	*	*
	* 1.4687	* 1.4486	* 1.4337	* 1.3950	* 2.2508	* 3.9904	*	*
15	* .8643	* .8674	* .8384	* .7578	* F-SUB-Q			
	* 2.8122	* 2.8040	* 2.9064	* 3.2246	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 75 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3897	* 1.5537	* 1.5100	* 1.5406	* 1.7257	* 1.4733	* 1.6525	* .8614
	* 1.7448	* 1.5577	* 1.5929	* 1.5556	* 1.3885	* 1.6238	* 1.4470	* 2.7562
9	* 1.5537	* 1.6720	* 1.5171	* 1.6737	* 1.5808	* 1.5869	* 1.6834	* .8685
	* 1.5577	* 1.4427	* 1.5841	* 1.4365	* 1.5196	* 1.5130	* 1.4248	* 2.7343
10	* 1.5103	* 1.5165	* 1.6302	* 1.6562	* 1.6975	* 1.6115	* 1.7193	* .8446
	* 1.5926	* 1.5847	* 1.4786	* 1.4569	* 1.4215	* 1.4991	* 1.4058	* 2.8215
11	* 1.5407	* 1.6730	* 1.6550	* 1.6604	* 1.5187	* 1.7258	* 1.7655	* .8106
	* 1.5555	* 1.4371	* 1.4580	* 1.4528	* 1.5942	* 1.4056	* 1.3720	* 2.9543
12	* 1.7257	* 1.5799	* 1.6963	* 1.5176	* 1.5671	* 1.7952	* 1.1123	*
	* 1.3885	* 1.5203	* 1.4225	* 1.5955	* 1.5603	* 1.3611	* 2.1791	*
13	* 1.4733	* 1.5862	* 1.6085	* 1.7234	* 1.7930	* 1.1672	* .6170	*
	* 1.6238	* 1.5136	* 1.5018	* 1.4075	* 1.3627	* 2.0924	* 3.9247	*
14	* 1.6525	* 1.6827	* 1.7147	* 1.7603	* 1.1094	* .6161	*	*
	* 1.4469	* 1.4253	* 1.4094	* 1.3760	* 2.1845	* 3.9306	*	*
15	* .8626	* .8717	* .8434	* .7658	F-SUB-Q			
	* 2.7521	* 2.7243	* 2.8253	* 3.1265	M-SUB-Q			

AT 100% POWER, 75 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3877	* 1.5554	* 1.5105	* 1.5450	* 1.7421	* 1.4784	* 1.6738	* .8579
	* 1.7076	* 1.5198	* 1.5515	* 1.5124	* 1.3419	* 1.5776	* 1.3931	* 2.6858
9	* 1.5554	* 1.6822	* 1.5180	* 1.6871	* 1.5874	* 1.5986	* 1.7054	* .8562
	* 1.5198	* 1.3977	* 1.5436	* 1.3904	* 1.4763	* 1.4666	* 1.3727	* 2.6929
10	* 1.5109	* 1.5173	* 1.6362	* 1.6645	* 1.7147	* 1.6260	* 1.7431	* .8310
	* 1.5511	* 1.5442	* 1.4385	* 1.4157	* 1.3742	* 1.4512	* 1.3541	* 2.7842
11	* 1.5451	* 1.6863	* 1.6632	* 1.6730	* 1.5242	* 1.7485	* 1.7935	* .7969
	* 1.5124	* 1.3910	* 1.4167	* 1.4077	* 1.5518	* 1.3555	* 1.3193	* 2.9189
12	* 1.7421	* 1.5865	* 1.7135	* 1.5230	* 1.5761	* 1.8206	* 1.0946	*
	* 1.3419	* 1.4770	* 1.3751	* 1.5530	* 1.5155	* 1.3102	* 2.1594	*
13	* 1.4784	* 1.5979	* 1.6230	* 1.7460	* 1.8183	* 1.1525	* .6038	*
	* 1.5776	* 1.4671	* 1.4538	* 1.3574	* 1.3118	* 2.0679	* 3.8956	*
14	* 1.6739	* 1.7047	* 1.7386	* 1.7882	* 1.0918	* .6029	*	*
	* 1.3931	* 1.3731	* 1.3574	* 1.3230	* 2.1646	* 3.9014	*	*
15	* .8592	* .8590	* .8299	* .7539	F-SUB-Q			
	* 2.6816	* 2.6833	* 2.7876	* 3.0845	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 75 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.3734	* 1.5417	* 1.4972	* 1.5342	* 1.7349	* 1.4692	* 1.6718	* .8513
	* 1.6533	* 1.4687	* 1.4990	* 1.4590	* 1.2906	* 1.5210	* 1.3362	* 2.5936

9	* 1.5417	* 1.6707	* 1.5051	* 1.6787	* 1.5779	* 1.5932	* 1.7043	* .8485
	* 1.4687	* 1.3476	* 1.4911	* 1.3382	* 1.4226	* 1.4091	* 1.3154	* 2.6054

10	* 1.4976	* 1.5044	* 1.6253	* 1.6552	* 1.7091	* 1.6231	* 1.7447	* .8221
	* 1.4986	* 1.4918	* 1.3866	* 1.3632	* 1.3201	* 1.3920	* 1.2948	* 2.6958

11	* 1.5343	* 1.6778	* 1.6538	* 1.6650	* 1.5138	* 1.7467	* 1.7971	* .7886
	* 1.4590	* 1.3388	* 1.3643	* 1.3542	* 1.4957	* 1.2990	* 1.2602	* 2.8227

12	* 1.7349	* 1.5769	* 1.7078	* 1.5125	* 1.5683	* 1.8216	* 1.0853	*
	* 1.2906	* 1.4234	* 1.3210	* 1.4969	* 1.4622	* 1.2562	* 2.0816	*

13	* 1.4692	* 1.5926	* 1.6200	* 1.7442	* 1.8192	* 1.1428	* .5954	*
	* 1.5210	* 1.4095	* 1.3945	* 1.3007	* 1.2577	* 1.9961	* 3.7760	*

14	* 1.6719	* 1.7037	* 1.7401	* 1.7918	* 1.0826	* .5945	*	*
	* 1.3362	* 1.3157	* 1.2980	* 1.2637	* 2.0866	* 3.7816	*	*

15	* .8527	* .8507	* .8210	* .7462	* F-SUB-Q			
	* 2.5895	* 2.5981	* 2.6990	* 2.9824	* M-SUB-Q			

AT 100% POWER, 75 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.3530	* 1.5205	* 1.4771	* 1.5144	* 1.7144	* 1.4518	* 1.6560	* .8423
	* 1.6129	* 1.4308	* 1.4604	* 1.4210	* 1.2551	* 1.4797	* 1.2967	* 2.5212

9	* 1.5205	* 1.6488	* 1.4848	* 1.6582	* 1.5588	* 1.5779	* 1.6891	* .8389
	* 1.4308	* 1.3123	* 1.4528	* 1.3018	* 1.3839	* 1.3671	* 1.2752	* 2.5331

10	* 1.4775	* 1.4841	* 1.6056	* 1.6361	* 1.6905	* 1.6085	* 1.7311	* .8141
	* 1.4601	* 1.4535	* 1.3487	* 1.3247	* 1.2817	* 1.3483	* 1.2521	* 2.6169

11	* 1.5145	* 1.6573	* 1.6347	* 1.6446	* 1.4951	* 1.7302	* 1.7839	* .7813
	* 1.4209	* 1.3025	* 1.3258	* 1.3163	* 1.4543	* 1.2580	* 1.2174	* 2.7361

12	* 1.7144	* 1.5577	* 1.6891	* 1.4937	* 1.5514	* 1.8072	* 1.0770	*
	* 1.2551	* 1.3848	* 1.2826	* 1.4555	* 1.4181	* 1.2135	* 2.0116	*

13	* 1.4518	* 1.5772	* 1.6055	* 1.7277	* 1.8048	* 1.1337	* .5889	*
	* 1.4797	* 1.3675	* 1.3507	* 1.2597	* 1.2150	* 1.9289	* 3.6615	*

14	* 1.6560	* 1.6885	* 1.7266	* 1.7787	* 1.0742	* .5881	*	*
	* 1.2967	* 1.2756	* 1.2553	* 1.2208	* 2.0165	* 3.6669	*	*

15	* .8436	* .8418	* .8130	* .7362	* F-SUB-Q			
	* 2.5173	* 2.5237	* 2.6200	* 2.9029	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 75 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3224	* 1.4866	* 1.4450	* 1.4814	* 1.6734	* 1.4216	* 1.6182	* .8298
	* 1.6530	* 1.4664	* 1.4973	* 1.4572	* 1.2895	* 1.5160	* 1.3307	* 2.5681
9	* 1.4866	* 1.6086	* 1.4528	* 1.6190	* 1.5257	* 1.5473	* 1.6533	* .8323
	* 1.4664	* 1.3490	* 1.4892	* 1.3370	* 1.4180	* 1.3975	* 1.3060	* 2.5614
10	* 1.4454	* 1.4520	* 1.5716	* 1.6017	* 1.6517	* 1.5782	* 1.6972	* .8088
	* 1.4970	* 1.4900	* 1.3813	* 1.3561	* 1.3143	* 1.3760	* 1.2782	* 2.6417
11	* 1.4815	* 1.6181	* 1.6004	* 1.6073	* 1.4637	* 1.6918	* 1.7487	* .7775
	* 1.4571	* 1.3377	* 1.3572	* 1.3507	* 1.4873	* 1.2871	* 1.2422	* 2.7553
12	* 1.6734	* 1.5246	* 1.6504	* 1.4622	* 1.5197	* 1.7707	* 1.0742	*
	* 1.2895	* 1.4190	* 1.3153	* 1.4886	* 1.4473	* 1.2374	* 2.0173	*
13	* 1.4216	* 1.5467	* 1.5752	* 1.6893	* 1.7683	* 1.1273	* .5856	*
	* 1.5160	* 1.3980	* 1.3785	* 1.2890	* 1.2390	* 1.9382	* 3.6843	*
14	* 1.6183	* 1.6527	* 1.6928	* 1.7435	* 1.0714	* .5847	*	*
	* 1.3307	* 1.3064	* 1.2815	* 1.2458	* 2.0223	* 3.6894	*	*
15	* .8311	* .8355	* .8079	* .7350	F-SUB-Q			
	* 2.5641	* 2.5516	* 2.6448	* 2.9138	M-SUB-Q			

AT 100% POWER, 75 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3075	* 1.4737	* 1.4306	* 1.4674	* 1.6675	* 1.4081	* 1.6167	* .8138
	* 1.6035	* 1.4217	* 1.4579	* 1.4183	* 1.2470	* 1.4762	* 1.2842	* 2.5285
9	* 1.4737	* 1.6022	* 1.4375	* 1.6128	* 1.5129	* 1.5374	* 1.6519	* .8082
	* 1.4217	* 1.3037	* 1.4501	* 1.2924	* 1.3778	* 1.3550	* 1.2591	* 2.5474
10	* 1.4309	* 1.4367	* 1.5595	* 1.5905	* 1.6466	* 1.5694	* 1.6958	* .7823
	* 1.4576	* 1.4509	* 1.3402	* 1.3140	* 1.2677	* 1.3301	* 1.2288	* 2.6342
11	* 1.4675	* 1.6118	* 1.5891	* 1.6002	* 1.4497	* 1.6886	* 1.7508	* .7512
	* 1.4182	* 1.2931	* 1.3151	* 1.3052	* 1.4422	* 1.2372	* 1.1908	* 2.7455
12	* 1.6675	* 1.5117	* 1.6452	* 1.4482	* 1.5079	* 1.7701	* 1.0389	*
	* 1.2470	* 1.3787	* 1.2687	* 1.4436	* 1.3945	* 1.1844	* 1.9999	*
13	* 1.4081	* 1.5367	* 1.5664	* 1.6860	* 1.7676	* 1.0951	* .5638	*
	* 1.4762	* 1.3555	* 1.3327	* 1.2390	* 1.1860	* 1.9086	* 3.6744	*
14	* 1.6168	* 1.6513	* 1.6913	* 1.7455	* 1.0363	* .5629	*	*
	* 1.2842	* 1.2595	* 1.2319	* 1.1943	* 2.0050	* 3.6800	*	*
15	* .8151	* .8104	* .7813	* .7108	F-SUB-Q			
	* 2.5244	* 2.5404	* 2.6374	* 2.9007	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 75 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2765	* 1.4405	* 1.3976	* 1.4314	* 1.6263	* 1.3746	* 1.5800	* .7929
	* 1.5750	* 1.3969	* 1.4364	* 1.3988	* 1.2296	* 1.4549	* 1.2639	* 2.4990
9	* 1.4405	* 1.5655	* 1.4036	* 1.5742	* 1.4765	* 1.5031	* 1.6134	* .7863
	* 1.3969	* 1.2834	* 1.4286	* 1.2732	* 1.3577	* 1.3324	* 1.2393	* 2.5209
10	* 1.3979	* 1.4028	* 1.5248	* 1.5548	* 1.6068	* 1.5337	* 1.6574	* .7607
	* 1.4360	* 1.4293	* 1.3177	* 1.2919	* 1.2482	* 1.3072	* 1.2071	* 2.6074
11	* 1.4315	* 1.5733	* 1.5533	* 1.5631	* 1.4137	* 1.6470	* 1.7119	* .7304
	* 1.3987	* 1.2739	* 1.2931	* 1.2844	* 1.4199	* 1.2171	* 1.1685	* 2.7151
12	* 1.6263	* 1.4754	* 1.6054	* 1.4122	* 1.4726	* 1.7302	* 1.0115	*
	* 1.2296	* 1.3587	* 1.2492	* 1.4214	* 1.3665	* 1.1607	* 1.9714	*
13	* 1.3746	* 1.5025	* 1.5306	* 1.6444	* 1.7277	* 1.0681	* .5477	*
	* 1.4549	* 1.3329	* 1.3098	* 1.2190	* 1.1624	* 1.8746	* 3.6317	*
14	* 1.5800	* 1.6128	* 1.6528	* 1.7066	* 1.0088	* .5469	*	*
	* 1.2639	* 1.2398	* 1.2104	* 1.1720	* 1.9766	* 3.6374	*	*
15	* .7941	* .7885	* .7596	* .6910	F-SUB-Q			
	* 2.4950	* 2.5140	* 2.6108	* 2.8698	M-SUB-Q			

AT 100% POWER, 75 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2260	* 1.3825	* 1.3422	* 1.3689	* 1.5419	* 1.3174	* 1.5009	* .7654
	* 1.5852	* 1.4069	* 1.4477	* 1.4150	* 1.2545	* 1.4687	* 1.2870	* 2.5068
9	* 1.3825	* 1.4911	* 1.3471	* 1.4964	* 1.4123	* 1.4400	* 1.5333	* .7649
	* 1.4069	* 1.3032	* 1.4400	* 1.2954	* 1.3728	* 1.3447	* 1.2608	* 2.5088
10	* 1.3425	* 1.3464	* 1.4633	* 1.4894	* 1.5248	* 1.4654	* 1.5723	* .7424
	* 1.4473	* 1.4407	* 1.3276	* 1.3034	* 1.2713	* 1.3217	* 1.2288	* 2.5858
11	* 1.3690	* 1.4955	* 1.4881	* 1.4891	* 1.3517	* 1.5585	* 1.6222	* .7134
	* 1.4149	* 1.2961	* 1.3046	* 1.3033	* 1.4343	* 1.2419	* 1.1903	* 2.6894
12	* 1.5419	* 1.4112	* 1.5235	* 1.3503	* 1.4094	* 1.6414	* .9885	*
	* 1.2545	* 1.3739	* 1.2724	* 1.4359	* 1.3776	* 1.1799	* 1.9481	*
13	* 1.3174	* 1.4393	* 1.4622	* 1.5559	* 1.6391	* 1.0436	* .5365	*
	* 1.4687	* 1.3453	* 1.3245	* 1.2439	* 1.1816	* 1.8515	* 3.5845	*
14	* 1.5009	* 1.5326	* 1.5677	* 1.6169	* .9858	* .5356	*	*
	* 1.2869	* 1.2614	* 1.2324	* 1.1942	* 1.9535	* 3.5904	*	*
15	* .7665	* .7679	* .7414	* .6741	F-SUB-Q			
	* 2.5031	* 2.4990	* 2.5895	* 2.8463	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 75 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1819	* 1.3339	* 1.2929	* 1.3154	* 1.4749	* 1.2675	* 1.4412	* .7300
	* 1.6000	* 1.4185	* 1.4626	* 1.4330	* 1.2760	* 1.4854	* 1.3041	* 2.5603
9	* 1.3339	* 1.4325	* 1.2966	* 1.4356	* 1.3572	* 1.3865	* 1.4711	* .7221
	* 1.4185	* 1.3198	* 1.4558	* 1.3136	* 1.3897	* 1.3581	* 1.2783	* 2.5892
10	* 1.2930	* 1.2960	* 1.4129	* 1.4358	* 1.4587	* 1.4057	* 1.4994	* .6979
	* 1.4624	* 1.4565	* 1.3372	* 1.3147	* 1.2923	* 1.3392	* 1.2525	* 2.6795
11	* 1.3155	* 1.4348	* 1.4345	* 1.4305	* 1.2979	* 1.4855	* 1.5479	* .6677
	* 1.4330	* 1.3143	* 1.3158	* 1.3196	* 1.4522	* 1.2662	* 1.2121	* 2.7979
12	* 1.4749	* 1.3562	* 1.4574	* 1.2964	* 1.3555	* 1.5664	* .9217	*
	* 1.2760	* 1.3908	* 1.2934	* 1.4537	* 1.3916	* 1.2007	* 2.0317	*
13	* 1.2675	* 1.3858	* 1.4026	* 1.4829	* 1.5641	* .9830	* .5011	*
	* 1.4854	* 1.3589	* 1.3422	* 1.2683	* 1.2025	* 1.9105	* 3.7355	*
14	* 1.4412	* 1.4703	* 1.4947	* 1.5424	* .9190	* .5002	*	*
	* 1.3041	* 1.2789	* 1.2564	* 1.2163	* 2.0377	* 3.7420	*	*
15	* .7311	* .7240	* .6968	* .6277	F-SUB-Q			
	* 2.5568	* 2.5825	* 2.6839	* 2.9760	M-SUB-Q			

AT 100% POWER, 75 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0886	* 1.2284	* 1.1856	* 1.2144	* 1.3436	* 1.1668	* 1.3124	* .6806
	* 1.7003	* 1.5072	* 1.5611	* 1.5191	* 1.3707	* 1.5794	* 1.4015	* 2.6914
9	* 1.2284	* 1.3063	* 1.1939	* 1.3099	* 1.2488	* 1.2739	* 1.3384	* .6747
	* 1.5072	* 1.4164	* 1.5474	* 1.4087	* 1.4777	* 1.4461	* 1.3748	* 2.7157
10	* 1.1857	* 1.1934	* 1.3011	* 1.3218	* 1.3271	* 1.2882	* 1.3523	* .6495
	* 1.5610	* 1.5481	* 1.4203	* 1.3965	* 1.3895	* 1.4291	* 1.3586	* 2.8216
11	* 1.2144	* 1.3091	* 1.3207	* 1.3062	* 1.1998	* 1.3458	* 1.3903	* .6120
	* 1.5190	* 1.4095	* 1.3976	* 1.4137	* 1.5372	* 1.3669	* 1.3198	* 2.9917
12	* 1.3436	* 1.2478	* 1.3259	* 1.1987	* 1.2426	* 1.4131	* .8403	*
	* 1.3707	* 1.4787	* 1.3908	* 1.5386	* 1.4842	* 1.3013	* 2.1815	*
13	* 1.1668	* 1.2731	* 1.2851	* 1.3434	* 1.4109	* .9007	* .4557	*
	* 1.5794	* 1.4470	* 1.4325	* 1.3693	* 1.3034	* 2.0408	* 4.0262	*
14	* 1.3124	* 1.3376	* 1.3478	* 1.3850	* .8377	* .4549	*	*
	* 1.4015	* 1.3756	* 1.3632	* 1.3249	* 2.1884	* 4.0333	*	*
15	* .6815	* .6763	* .6482	* .5739	F-SUB-Q			
	* 2.6877	* 2.7092	* 2.8271	* 3.1906	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 75 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* .8821	* 1.0089	* .9480	* .9904	* 1.2127	* .9537	* 1.1741	* .5758
	* 2.0650	* 1.8057	* 1.9212	* 1.8329	* 1.4947	* 1.9013	* 1.5412	* 3.1365

9	* 1.0088	* 1.1870	* .9630	* 1.1711	* 1.0069	* 1.0349	* 1.1887	* .5755
	* 1.8057	* 1.5333	* 1.8877	* 1.5490	* 1.8023	* 1.7513	* 1.5225	* 3.1386

10	* .9481	* .9625	* 1.0609	* 1.0939	* 1.1399	* 1.0497	* 1.1852	* .5482
	* 1.9210	* 1.8886	* 1.7133	* 1.6595	* 1.5907	* 1.7254	* 1.5268	* 3.2948

11	* .9905	* 1.1705	* 1.0932	* 1.1767	* .9938	* 1.2076	* 1.0971	* .4973
	* 1.8328	* 1.5497	* 1.6607	* 1.5412	* 1.8254	* 1.4988	* 1.6469	* 3.6322

12	* 1.2127	* 1.0063	* 1.1390	* .9929	* 1.0111	* 1.1731	* .6870	*
	* 1.4947	* 1.8032	* 1.5920	* 1.8270	* 1.7943	* 1.5426	* 2.6294	*

13	* .9537	* 1.0342	* 1.0472	* 1.2056	* 1.1714	* .7388	* .3669	*
	* 1.9013	* 1.7526	* 1.7296	* 1.5014	* 1.5450	* 2.4506	* 4.9339	*

14	* 1.1741	* 1.1876	* 1.1825	* 1.0927	* .6847	* .3662	*	*
	* 1.5412	* 1.5239	* 1.5303	* 1.6536	* 2.6383	* 4.9430	*	*

15	* .5758	* .5766	* .5459	* .4699	F-SUB-Q			
	* 3.1366	* 3.1325	* 3.3087	* 3.8443	M-SUB-Q			

AT 100% POWER, 75 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* .4023	* .4292	* .4009	* .4351	* .5144	* .4283	* .4644	* .2660
	* 4.4815	* 4.1996	* 4.4947	* 4.1255	* 3.4876	* 4.1844	* 3.8573	* 6.7333

9	* .4292	* .4947	* .4207	* .5136	* .4391	* .4337	* .4682	* .2542
	* 4.1997	* 3.6396	* 4.2729	* 3.4952	* 4.0875	* 4.1345	* 3.8264	* 7.0473

10	* .4009	* .4205	* .4560	* .4779	* .5158	* .4415	* .4656	* .2432
	* 4.4943	* 4.2746	* 3.9381	* 3.7568	* 3.4777	* 4.0608	* 3.8472	* 7.3672

11	* .4350	* .5134	* .4778	* .5255	* .4485	* .5053	* .4427	* .2156
	* 4.1257	* 3.4969	* 3.7584	* 3.4145	* 3.9995	* 3.5457	* 4.0430	* 8.3092

12	* .5144	* .4388	* .5155	* .4482	* .4284	* .4581	* .3014	*
	* 3.4876	* 4.0901	* 3.4802	* 4.0024	* 4.1882	* 3.9113	* 5.9421	*

13	* .4283	* .4333	* .4407	* .5044	* .4575	* .3181	* .1656	*
	* 4.1843	* 4.1379	* 4.0679	* 3.5520	* 3.9172	* 5.6378	* 10.8430	*

14	* .4644	* .4677	* .4644	* .4408	* .3003	* .1652	*	*
	* 3.8573	* 3.8304	* 3.8565	* 4.0606	* 5.9628	* 10.8670	*	*

15	* .2662	* .2549	* .2426	* .2041	F-SUB-Q			
	* 6.7290	* 7.0265	* 7.3836	* 8.7801	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 125 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	.3837	.4369	.4235	.4443	.4969	.4222	.4326	.2680
	4.2399	4.2831	4.5161	4.1969	3.7275	4.3461	4.2008	6.6933
9	.4369	.4888	.4382	.5017	.4417	.4246	.4336	.2569
	4.2831	3.9057	4.3513	3.7522	4.2169	4.3436	4.2115	7.0200
10	.4235	.4381	.4580	.4716	.4961	.4291	.4273	.2450
	4.5166	4.3526	4.1915	4.0877	3.8530	4.4367	4.3777	7.4581
11	.4443	.5017	.4715	.5058	.4405	.4625	.4040	.2140
	4.1972	3.7515	4.0887	3.7827	4.2542	4.0387	4.6840	8.7968
12	.4969	.4416	.4958	.4402	.3874	.4014	.2875	
	3.7275	4.2171	3.8548	4.2564	4.3758	4.3830	6.3956	
13	.4222	.4244	.4284	.4617	.4006	.2960	.1725	
	4.3461	4.3453	4.4435	4.0455	4.3909	5.7763	10.3916	
14	.4326	.4333	.4261	.4023	.2863	.1722		
	4.2008	4.2142	4.3908	4.7083	6.4215	10.4109		
15	.2681	.2570	.2441	.2036	F-SUB-Q			
	6.6895	7.0183	7.4853	9.2506	M-SUB-Q			

AT 100% POWER, 125 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	.8742	.9818	.9465	.9681	1.1054	.9199	1.0307	.5703
	2.1292	1.9561	2.0662	1.9682	1.7137	2.0393	1.8025	3.2185
9	.9818	1.1076	.9566	1.0809	.9691	.9504	1.0342	.5794
	1.9561	1.7545	2.0352	1.7775	1.9619	1.9720	1.8045	3.1813
10	.9465	.9565	1.0176	1.0253	1.0397	.9588	1.0227	.5544
	2.0662	2.0355	1.9258	1.9101	1.8730	2.0180	1.8655	3.3706
11	.9680	1.0809	1.0250	1.0776	.9519	1.0494	.9405	.5101
	1.9684	1.7772	1.9106	1.8055	2.0130	1.8169	2.0360	3.7689
12	1.1054	.9691	1.0393	.9514	.9117	.9983	.6576	
	1.7137	1.9619	1.8739	2.0140	1.9841	1.8487	2.8571	
13	.9199	.9501	.9575	1.0478	.9969	.6932	.3905	
	2.0393	1.9728	2.0209	1.8194	1.8512	2.6106	4.7094	
14	1.0307	1.0338	1.0202	.9363	.6551	.3898		
	1.8025	1.8054	1.8703	2.0450	2.8673	4.7174		
15	.5708	.5798	.5525	.4760	F-SUB-Q			
	3.2157	3.1741	3.3817	4.0398	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 125 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1000	* 1.2076	* 1.1759	* 1.1910	* 1.2727	* 1.1287	* 1.1899	* .6895
	* 1.7871	* 1.6372	* 1.6920	* 1.6253	* 1.5097	* 1.6874	* 1.5859	* 2.7038
9	* 1.2076	* 1.2586	* 1.1825	* 1.2408	* 1.2031	* 1.1732	* 1.1977	* .7015
	* 1.6372	* 1.5774	* 1.6731	* 1.5841	* 1.6063	* 1.6238	* 1.5834	* 2.6629
10	* 1.1760	* 1.1825	* 1.2445	* 1.2464	* 1.2331	* 1.1758	* 1.1906	* .6787
	* 1.6919	* 1.6730	* 1.5998	* 1.5965	* 1.5961	* 1.6706	* 1.6286	* 2.7951
11	* 1.1909	* 1.2408	* 1.2461	* 1.2240	* 1.1631	* 1.2165	* 1.1908	* .6338
	* 1.6254	* 1.5841	* 1.5970	* 1.6245	* 1.6832	* 1.5968	* 1.6332	* 3.0794
12	* 1.2727	* 1.2031	* 1.2328	* 1.1625	* 1.1601	* 1.2277	* .8306	*
	* 1.5097	* 1.6063	* 1.5966	* 1.6841	* 1.6454	* 1.5509	* 2.3065	*
13	* 1.1287	* 1.1722	* 1.1743	* 1.2147	* 1.2262	* .8787	* .4957	*
	* 1.6874	* 1.6249	* 1.6733	* 1.5991	* 1.5527	* 2.1388	* 3.7943	*
14	* 1.1899	* 1.1968	* 1.1880	* 1.1862	* .8279	* .4948	*	*
	* 1.5859	* 1.5840	* 1.6323	* 1.6395	* 2.3138	* 3.8010	*	*
15	* .6903	* .7033	* .6768	* .5967	F-SUB-Q			
	* 2.7009	* 2.6560	* 2.8030	* 3.2725	M-SUB-Q			

AT 100% POWER, 125 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2204	* 1.3468	* 1.3090	* 1.3277	* 1.4559	* 1.2604	* 1.3693	* .7559
	* 1.6501	* 1.5004	* 1.5437	* 1.4811	* 1.3404	* 1.5347	* 1.3987	* 2.5050
9	* 1.3468	* 1.4349	* 1.3149	* 1.4121	* 1.3459	* 1.3199	* 1.3810	* .7618
	* 1.5004	* 1.4124	* 1.5282	* 1.4100	* 1.4584	* 1.4656	* 1.3954	* 2.4909
10	* 1.3091	* 1.3150	* 1.3891	* 1.3984	* 1.4091	* 1.3236	* 1.3759	* .7370
	* 1.5435	* 1.5281	* 1.4556	* 1.4493	* 1.4247	* 1.5044	* 1.4297	* 2.6141
11	* 1.3276	* 1.4121	* 1.3979	* 1.3906	* 1.2998	* 1.4053	* 1.3798	* .6926
	* 1.4812	* 1.4101	* 1.4499	* 1.4566	* 1.5370	* 1.4097	* 1.4352	* 2.8599
12	* 1.4559	* 1.3459	* 1.4084	* 1.2991	* 1.3094	* 1.4211	* .9160	*
	* 1.3404	* 1.4585	* 1.4251	* 1.5378	* 1.4935	* 1.3698	* 2.1353	*
13	* 1.2604	* 1.3190	* 1.3221	* 1.4034	* 1.4196	* .9691	* .5421	*
	* 1.5347	* 1.4659	* 1.5068	* 1.4116	* 1.3712	* 1.9881	* 3.5492	*
14	* 1.3693	* 1.3797	* 1.3732	* 1.3750	* .9133	* .5411	*	*
	* 1.3987	* 1.3958	* 1.4326	* 1.4401	* 2.1413	* 3.5551	*	*
15	* .7568	* .7639	* .7352	* .6504	F-SUB-Q			
	* 2.5020	* 2.4841	* 2.6204	* 3.0469	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 125 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2723	* 1.4113	* 1.3683	* 1.3978	* 1.5559	* 1.3265	* 1.4707	* .7972
	* 1.6195	* 1.4642	* 1.5008	* 1.4324	* 1.2769	* 1.4849	* 1.3250	* 2.4190
9	* 1.4113	* 1.5248	* 1.3783	* 1.5056	* 1.4205	* 1.3962	* 1.4854	* .8052
	* 1.4642	* 1.3580	* 1.4834	* 1.3436	* 1.4068	* 1.4110	* 1.3210	* 2.4001
10	* 1.3685	* 1.3784	* 1.4587	* 1.4759	* 1.5095	* 1.4017	* 1.4824	* .7794
	* 1.5006	* 1.4834	* 1.4102	* 1.4010	* 1.3602	* 1.4428	* 1.3486	* 2.5156
11	* 1.3978	* 1.5055	* 1.4753	* 1.4797	* 1.3736	* 1.5137	* 1.4877	* .7325
	* 1.4325	* 1.3438	* 1.4016	* 1.3929	* 1.4869	* 1.3375	* 1.3592	* 2.7485
12	* 1.5559	* 1.4204	* 1.5088	* 1.3729	* 1.3849	* 1.5292	* .9751	*
	* 1.2769	* 1.4069	* 1.3606	* 1.4877	* 1.4457	* 1.3007	* 2.0521	*
13	* 1.3265	* 1.3955	* 1.3992	* 1.5118	* 1.5279	* 1.0252	* .5703	*
	* 1.4849	* 1.4112	* 1.4449	* 1.3392	* 1.3018	* 1.9255	* 3.4573	*
14	* 1.4707	* 1.4842	* 1.4798	* 1.4831	* .9725	* .5694	*	*
	* 1.3251	* 1.3212	* 1.3511	* 1.3634	* 2.0575	* 3.4628	*	*
15	* .7982	* .8076	* .7778	* .6890	F-SUB-Q			
	* 2.4159	* 2.3930	* 2.5207	* 2.9232	M-SUB-Q			

AT 100% POWER, 125 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2969	* 1.4420	* 1.3982	* 1.4370	* 1.6121	* 1.3650	* 1.5311	* .8249
	* 1.6216	* 1.4625	* 1.4949	* 1.4223	* 1.2580	* 1.4741	* 1.2989	* 2.3876
9	* 1.4420	* 1.5698	* 1.4118	* 1.5570	* 1.4630	* 1.4419	* 1.5480	* .8368
	* 1.4626	* 1.3450	* 1.4765	* 1.3235	* 1.3941	* 1.3949	* 1.2940	* 2.3584
10	* 1.3983	* 1.4117	* 1.4969	* 1.5201	* 1.5672	* 1.4530	* 1.5466	* .8103
	* 1.4948	* 1.4766	* 1.4002	* 1.3820	* 1.3340	* 1.4203	* 1.3164	* 2.4677
11	* 1.4370	* 1.5569	* 1.5194	* 1.5343	* 1.4158	* 1.5781	* 1.5502	* .7611
	* 1.4223	* 1.3237	* 1.3826	* 1.3683	* 1.4726	* 1.3099	* 1.3296	* 2.6916
12	* 1.6121	* 1.4628	* 1.5665	* 1.4150	* 1.4284	* 1.5938	* 1.0169	*
	* 1.2580	* 1.3943	* 1.3347	* 1.4734	* 1.4350	* 1.2784	* 2.0134	*
13	* 1.3650	* 1.4412	* 1.4506	* 1.5762	* 1.5924	* 1.0635	* .5893	*
	* 1.4741	* 1.3950	* 1.4222	* 1.3114	* 1.2795	* 1.9060	* 3.4351	*
14	* 1.5310	* 1.5469	* 1.5442	* 1.5458	* 1.0143	* .5884	*	*
	* 1.2990	* 1.2941	* 1.3186	* 1.3334	* 2.0183	* 3.4403	*	*
15	* .8260	* .8394	* .8089	* .7177	F-SUB-Q			
	* 2.3843	* 2.3511	* 2.4721	* 2.8552	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 125 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3184	* 1.4699	* 1.4261	* 1.4727	* 1.6674	* 1.3997	* 1.5909	* .8475 *
	* 1.6249	* 1.4602	* 1.4960	* 1.4210	* 1.2461	* 1.4730	* 1.2804	* 2.3818 *
9	* 1.4699	* 1.6138	* 1.4414	* 1.6069	* 1.5018	* 1.4853	* 1.6098	* .8522 *
	* 1.4602	* 1.3299	* 1.4774	* 1.3105	* 1.3906	* 1.3878	* 1.2745	* 2.3734 *
10	* 1.4263	* 1.4412	* 1.5328	* 1.5612	* 1.6228	* 1.5004	* 1.6095	* .8245 *
	* 1.4958	* 1.4776	* 1.3951	* 1.3685	* 1.3097	* 1.4030	* 1.2913	* 2.4807 *
11	* 1.4727	* 1.6067	* 1.5604	* 1.5880	* 1.4538	* 1.6412	* 1.6101	* .7730 *
	* 1.4210	* 1.3107	* 1.3692	* 1.3425	* 1.4599	* 1.2829	* 1.2996	* 2.6962 *
12	* 1.6674	* 1.5016	* 1.6221	* 1.4530	* 1.4686	* 1.6502	* 1.0342	*
	* 1.2461	* 1.3908	* 1.3104	* 1.4608	* 1.4298	* 1.2655	* 2.0222	*
13	* 1.3997	* 1.4847	* 1.4980	* 1.6393	* 1.6487	* 1.0815	* .5949	*
	* 1.4730	* 1.3879	* 1.4053	* 1.2844	* 1.2666	* 1.9215	* 3.4890	*
14	* 1.5909	* 1.6088	* 1.6072	* 1.6058	* 1.0318	* .5941	*	*
	* 1.2805	* 1.2746	* 1.2933	* 1.3032	* 2.0270	* 3.4941	*	*
15	* .8475	* .8548	* .8233	* .7279	* F-SUB-Q			
	* 2.3818	* 2.3659	* 2.4845	* 2.8639	* M-SUB-Q			

AT 100% POWER, 125 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3276	* 1.4830	* 1.4408	* 1.4929	* 1.6994	* 1.4202	* 1.6285	* .8618 *
	* 1.6496	* 1.4799	* 1.5147	* 1.4404	* 1.2571	* 1.4934	* 1.2863	* 2.4096 *
9	* 1.4830	* 1.6356	* 1.4570	* 1.6353	* 1.5245	* 1.5122	* 1.6488	* .8655 *
	* 1.4799	* 1.3421	* 1.4966	* 1.3205	* 1.4078	* 1.4013	* 1.2791	* 2.4032 *
10	* 1.4409	* 1.4567	* 1.5524	* 1.5850	* 1.6555	* 1.5304	* 1.6494	* .8370 *
	* 1.5145	* 1.4969	* 1.4053	* 1.3779	* 1.3133	* 1.4063	* 1.2901	* 2.5071 *
11	* 1.4929	* 1.6350	* 1.5841	* 1.6190	* 1.4760	* 1.6805	* 1.6480	* .7838 *
	* 1.4404	* 1.3208	* 1.3787	* 1.3488	* 1.4715	* 1.2818	* 1.2998	* 2.7095 *
12	* 1.6994	* 1.5240	* 1.6547	* 1.4752	* 1.4953	* 1.6876	* 1.0503	*
	* 1.2571	* 1.4081	* 1.3140	* 1.4724	* 1.4338	* 1.2630	* 2.0344	*
13	* 1.4202	* 1.5116	* 1.5280	* 1.6786	* 1.6861	* 1.0969	* .6003	*
	* 1.4934	* 1.4012	* 1.4086	* 1.2832	* 1.2641	* 1.9380	* 3.5282	*
14	* 1.6284	* 1.6479	* 1.6471	* 1.6437	* 1.0479	* .5994	*	*
	* 1.2863	* 1.2791	* 1.2919	* 1.3032	* 2.0390	* 3.5332	*	*
15	* .8618	* .8683	* .8358	* .7383	* F-SUB-Q			
	* 2.4096	* 2.3954	* 2.5107	* 2.8768	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 125 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3361	* 1.4956	* 1.4543	* 1.5109	* 1.7303	* 1.4385	* 1.6644	* .8723 *
	* 1.6961	* 1.5152	* 1.5416	* 1.4684	* 1.2750	* 1.5229	* 1.2997	* 2.4587 *
9	* 1.4956	* 1.6576	* 1.4710	* 1.6633	* 1.5447	* 1.5368	* 1.6859	* .8723 *
	* 1.5152	* 1.3594	* 1.5235	* 1.3371	* 1.4335	* 1.4223	* 1.2899	* 2.4623 *
10	* 1.4545	* 1.4708	* 1.5709	* 1.6070	* 1.6866	* 1.5573	* 1.6870	* .8429 *
	* 1.5414	* 1.5238	* 1.4258	* 1.3934	* 1.3208	* 1.4154	* 1.2966	* 2.5645 *
11	* 1.5110	* 1.6629	* 1.6061	* 1.6482	* 1.4956	* 1.7172	* 1.6833	* .7881 *
	* 1.4684	* 1.3374	* 1.3942	* 1.3594	* 1.4985	* 1.2936	* 1.3063	* 2.7635 *
12	* 1.7303	* 1.5442	* 1.6858	* 1.4947	* 1.5170	* 1.7231	* 1.0571	*
	* 1.2750	* 1.4339	* 1.3215	* 1.4994	* 1.4630	* 1.2778	* 2.0861	*
13	* 1.4385	* 1.5364	* 1.5549	* 1.7153	* 1.7216	* 1.1047	* .6014	*
	* 1.5229	* 1.4227	* 1.4177	* 1.2951	* 1.2789	* 1.9881	* 3.6315	*
14	* 1.6643	* 1.6850	* 1.6847	* 1.6791	* 1.0547	* .6005	*	
	* 1.2998	* 1.2905	* 1.2984	* 1.3097	* 2.0907	* 3.6365	*	
15	* .8723	* .8751	* .8418	* .7455	* F-SUB-Q			
	* 2.4587	* 2.4542	* 2.5679	* 2.9216	* M-SUB-Q			

AT 100% POWER, 125 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3252	* 1.4844	* 1.4461	* 1.5045	* 1.7207	* 1.4359	* 1.6606	* .8791 *
	* 1.7596	* 1.5674	* 1.6016	* 1.5285	* 1.3301	* 1.5841	* 1.3514	* 2.5311 *
9	* 1.4844	* 1.6421	* 1.4633	* 1.6525	* 1.5395	* 1.5358	* 1.6826	* .8874 *
	* 1.5674	* 1.4140	* 1.5829	* 1.3931	* 1.4911	* 1.4737	* 1.3383	* 2.5100 *
10	* 1.4462	* 1.4629	* 1.5636	* 1.6011	* 1.6787	* 1.5570	* 1.6842	* .8582 *
	* 1.6014	* 1.5832	* 1.4804	* 1.4444	* 1.3704	* 1.4613	* 1.3420	* 2.6062 *
11	* 1.5046	* 1.6520	* 1.6002	* 1.6387	* 1.4912	* 1.7125	* 1.6797	* .8026 *
	* 1.5284	* 1.3934	* 1.4453	* 1.4102	* 1.5464	* 1.3349	* 1.3493	* 2.8012 *
12	* 1.7207	* 1.5389	* 1.6778	* 1.4903	* 1.5133	* 1.7185	* 1.0791	*
	* 1.3301	* 1.4915	* 1.3711	* 1.5474	* 1.5201	* 1.3281	* 2.1081	*
13	* 1.4359	* 1.5353	* 1.5547	* 1.7106	* 1.7170	* 1.1233	* .6115	*
	* 1.5841	* 1.4741	* 1.4635	* 1.3364	* 1.3293	* 2.0336	* 3.7005	*
14	* 1.6605	* 1.6818	* 1.6820	* 1.6756	* 1.0767	* .6106	*	
	* 1.3515	* 1.3389	* 1.3437	* 1.3527	* 2.1127	* 3.7057	*	
15	* .8791	* .8904	* .8572	* .7588	* F-SUB-Q			
	* 2.5310	* 2.5014	* 2.6093	* 2.9632	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 125 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3343	* 1.4988	* 1.4600	* 1.5232	* 1.7569	* 1.4535	* 1.7020	* .8850
	* 1.8106	* 1.6091	* 1.6468	* 1.5720	* 1.3573	* 1.6295	* 1.3732	* 2.6180
9	* 1.4988	* 1.6702	* 1.4775	* 1.6855	* 1.5604	* 1.5615	* 1.7228	* .8830
	* 1.6091	* 1.4418	* 1.6280	* 1.4204	* 1.5320	* 1.5080	* 1.3601	* 2.6263
10	* 1.4602	* 1.4771	* 1.5832	* 1.6245	* 1.7144	* 1.5852	* 1.7246	* .8527
	* 1.6466	* 1.6284	* 1.5190	* 1.4802	* 1.3951	* 1.4916	* 1.3614	* 2.7264
11	* 1.5233	* 1.6850	* 1.6235	* 1.6724	* 1.5105	* 1.7543	* 1.7210	* .7958
	* 1.5719	* 1.4208	* 1.4811	* 1.4357	* 1.5849	* 1.3529	* 1.3679	* 2.9317
12	* 1.7569	* 1.5598	* 1.7136	* 1.5096	* 1.5355	* 1.7600	* 1.0705	*
	* 1.3573	* 1.5324	* 1.3958	* 1.5859	* 1.5513	* 1.3427	* 2.2024	*
13	* 1.4535	* 1.5611	* 1.5829	* 1.7524	* 1.7585	* 1.1181	* .6035	*
	* 1.6295	* 1.5084	* 1.4938	* 1.3543	* 1.3439	* 2.1112	* 3.8713	*
14	* 1.7019	* 1.7221	* 1.7225	* 1.7169	* 1.0682	* .6027	*	*
	* 1.3733	* 1.3607	* 1.3631	* 1.3712	* 2.2070	* 3.8764	*	*
15	* .8851	* .8860	* .8517	* .7534	* F-SUB-Q			
	* 2.6180	* 2.6172	* 2.7294	* 3.0971	* M-SUB-Q			

AT 100% POWER, 125 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3302	* 1.4964	* 1.4589	* 1.5249	* 1.7644	* 1.4566	* 1.7150	* .8886
	* 1.8635	* 1.6532	* 1.6855	* 1.6108	* 1.3930	* 1.6834	* 1.4254	* 2.7238
9	* 1.4964	* 1.6711	* 1.4766	* 1.6916	* 1.5635	* 1.5689	* 1.7364	* .8865
	* 1.6532	* 1.4774	* 1.6666	* 1.4550	* 1.5728	* 1.5676	* 1.4093	* 2.7320
10	* 1.4590	* 1.4761	* 1.5847	* 1.6282	* 1.7225	* 1.5945	* 1.7388	* .8557
	* 1.6853	* 1.6671	* 1.5572	* 1.5176	* 1.4352	* 1.5455	* 1.4089	* 2.8339
11	* 1.5250	* 1.6911	* 1.6271	* 1.6785	* 1.5132	* 1.7671	* 1.7353	* .7982
	* 1.6108	* 1.4554	* 1.5186	* 1.4738	* 1.6388	* 1.4019	* 1.4156	* 3.0429
12	* 1.7644	* 1.5629	* 1.7216	* 1.5122	* 1.5401	* 1.7729	* 1.0752	*
	* 1.3930	* 1.5733	* 1.4360	* 1.6398	* 1.6124	* 1.3898	* 2.2860	*
13	* 1.4566	* 1.5685	* 1.5922	* 1.7653	* 1.7713	* 1.1222	* .6034	*
	* 1.6834	* 1.5679	* 1.5477	* 1.4034	* 1.3910	* 2.1900	* 4.0267	*
14	* 1.7149	* 1.7358	* 1.7367	* 1.7312	* 1.0730	* .6026	*	*
	* 1.4255	* 1.4098	* 1.4106	* 1.4189	* 2.2907	* 4.0318	*	*
15	* .8886	* .8895	* .8548	* .7524	* F-SUB-Q			
	* 2.7237	* 2.7224	* 2.8368	* 3.2283	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 125 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3149	* 1.4801	* 1.4451	* 1.5122	* 1.7480	* 1.4475	* 1.7044	* .8896
	* 1.8390	* 1.6306	* 1.6591	* 1.5835	* 1.3708	* 1.6518	* 1.4038	* 2.6699
9	* 1.4801	* 1.6500	* 1.4629	* 1.6742	* 1.5517	* 1.5613	* 1.7265	* .8941
	* 1.6306	* 1.4594	* 1.6403	* 1.4336	* 1.5451	* 1.5373	* 1.3902	* 2.6574
10	* 1.4453	* 1.4624	* 1.5711	* 1.6157	* 1.7075	* 1.5880	* 1.7292	* .8637
	* 1.6589	* 1.6409	* 1.5321	* 1.4920	* 1.4126	* 1.5206	* 1.3917	* 2.7597
11	* 1.5123	* 1.6736	* 1.6146	* 1.6613	* 1.5018	* 1.7552	* 1.7262	* .8061
	* 1.5835	* 1.4340	* 1.4930	* 1.4530	* 1.6113	* 1.3816	* 1.4023	* 2.9692
12	* 1.7480	* 1.5509	* 1.7066	* 1.5008	* 1.5300	* 1.7621	* 1.0883	*
	* 1.3708	* 1.5457	* 1.4133	* 1.6124	* 1.5958	* 1.3854	* 2.2252	*
13	* 1.4475	* 1.5609	* 1.5856	* 1.7533	* 1.7605	* 1.1320	* .6084	*
	* 1.6518	* 1.5376	* 1.5227	* 1.3830	* 1.3866	* 2.1545	* 3.9751	*
14	* 1.7044	* 1.7259	* 1.7271	* 1.7221	* 1.0861	* .6076	*	*
	* 1.4039	* 1.3907	* 1.3933	* 1.4056	* 2.2297	* 3.9803	*	*
15	* .8896	* .8974	* .8628	* .7626	* F-SUB-Q			
	* 2.6699	* 2.6479	* 2.7623	* 3.1382	* M-SUB-Q			

AT 100% POWER, 125 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3162	* 1.4853	* 1.4499	* 1.5211	* 1.7717	* 1.4557	* 1.7326	* .8899
	* 1.7952	* 1.5871	* 1.6132	* 1.5373	* 1.3212	* 1.6040	* 1.3496	* 2.5982
9	* 1.4853	* 1.6665	* 1.4676	* 1.6955	* 1.5623	* 1.5773	* 1.7572	* .8843
	* 1.5871	* 1.4107	* 1.5958	* 1.3828	* 1.4988	* 1.4872	* 1.3351	* 2.6152
10	* 1.4500	* 1.4670	* 1.5805	* 1.6281	* 1.7311	* 1.6068	* 1.7608	* .8528
	* 1.6131	* 1.5964	* 1.4879	* 1.4468	* 1.3620	* 1.4688	* 1.3361	* 2.7208
11	* 1.5212	* 1.6949	* 1.6270	* 1.6823	* 1.5106	* 1.7851	* 1.7582	* .7948
	* 1.5372	* 1.3833	* 1.4478	* 1.4023	* 1.5656	* 1.3271	* 1.3448	* 2.9319
12	* 1.7717	* 1.5616	* 1.7301	* 1.5096	* 1.5423	* 1.7930	* 1.0742	*
	* 1.3212	* 1.4994	* 1.3627	* 1.5667	* 1.5464	* 1.3289	* 2.2004	*
13	* 1.4557	* 1.5770	* 1.6045	* 1.7831	* 1.7913	* 1.1204	* .5969	*
	* 1.6040	* 1.4874	* 1.4709	* 1.3285	* 1.3301	* 2.1238	* 3.9421	*
14	* 1.7326	* 1.7566	* 1.7588	* 1.7541	* 1.0720	* .5961	*	*
	* 1.3496	* 1.3355	* 1.3375	* 1.3478	* 2.2048	* 3.9470	*	*
15	* .8899	* .8875	* .8521	* .7533	* F-SUB-Q			
	* 2.5981	* 2.6060	* 2.7230	* 3.0925	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 125 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3071	* 1.4774	* 1.4428	* 1.5166	* 1.7731	* 1.4523	* 1.7399	* .8876 *
	* 1.7369	* 1.5326	* 1.5571	* 1.4806	* 1.2679	* 1.5443	* 1.2910	* 2.5019 *
9	* 1.4774	* 1.6620	* 1.4604	* 1.6950	* 1.5590	* 1.5783	* 1.7651	* .8807 *
	* 1.5327	* 1.3582	* 1.5398	* 1.3284	* 1.4424	* 1.4276	* 1.2767	* 2.5242 *
10	* 1.4429	* 1.4599	* 1.5754	* 1.6250	* 1.7326	* 1.6102	* 1.7701	* .8477 *
	* 1.5569	* 1.5404	* 1.4335	* 1.3922	* 1.3069	* 1.4080	* 1.2769	* 2.6279 *
11	* 1.5167	* 1.6944	* 1.6238	* 1.6812	* 1.5062	* 1.7913	* 1.7683	* .7898 *
	* 1.4805	* 1.3288	* 1.3933	* 1.3474	* 1.5078	* 1.2716	* 1.2848	* 2.8301 *
12	* 1.7731	* 1.5581	* 1.7316	* 1.5052	* 1.5403	* 1.8007	* 1.0695 *	
	* 1.2679	* 1.4430	* 1.3076	* 1.5088	* 1.4916	* 1.2739	* 2.1194 *	
13	* 1.4523	* 1.5780	* 1.6078	* 1.7894	* 1.7990	* 1.1152	* .5909 *	
	* 1.5443	* 1.4278	* 1.4099	* 1.2729	* 1.2751	* 2.0498	* 3.8153 *	
14	* 1.7399	* 1.7646	* 1.7673	* 1.7643	* 1.0673	* .5902 *		
	* 1.2911	* 1.2770	* 1.2783	* 1.2876	* 2.1235	* 3.8200 *		
15	* .8876	* .8831	* .8470	* .7487	* F-SUB-Q			
	* 2.5018	* 2.5161	* 2.6300	* 2.9846	* M-SUB-Q			

AT 100% POWER, 125 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2932	* 1.4635	* 1.4299	* 1.5042	* 1.7616	* 1.4437	* 1.7349	* .8829 *
	* 1.6920	* 1.4911	* 1.5147	* 1.4389	* 1.2296	* 1.4971	* 1.2472	* 2.4248 *
9	* 1.4635	* 1.6474	* 1.4472	* 1.6823	* 1.5473	* 1.5707	* 1.7586	* .8757 *
	* 1.4911	* 1.3203	* 1.4978	* 1.2895	* 1.4005	* 1.3819	* 1.2339	* 2.4453 *
10	* 1.4301	* 1.4466	* 1.5631	* 1.6135	* 1.7220	* 1.6035	* 1.7648	* .8440 *
	* 1.5145	* 1.4984	* 1.3921	* 1.3505	* 1.2662	* 1.3608	* 1.2333	* 2.5432 *
11	* 1.5043	* 1.6816	* 1.6123	* 1.6682	* 1.4943	* 1.7835	* 1.7640	* .7866 *
	* 1.4388	* 1.2900	* 1.3515	* 1.3076	* 1.4630	* 1.2284	* 1.2385	* 2.7360 *
12	* 1.7616	* 1.5464	* 1.7209	* 1.4932	* 1.5307	* 1.7946	* 1.0669 *	
	* 1.2296	* 1.4011	* 1.2669	* 1.4640	* 1.4440	* 1.2285	* 2.0428 *	
13	* 1.4437	* 1.5704	* 1.6012	* 1.7816	* 1.7929	* 1.1116	* .5874 *	
	* 1.4971	* 1.3821	* 1.3626	* 1.2297	* 1.2296	* 1.9768	* 3.6911 *	
14	* 1.7348	* 1.7581	* 1.7614	* 1.7600	* 1.0648	* .5867 *		
	* 1.2472	* 1.2343	* 1.2346	* 1.2412	* 2.0468	* 3.6957 *		
15	* .8829	* .8790	* .8433	* .7423	* F-SUB-Q			
	* 2.4247	* 2.4363	* 2.5452	* 2.8843	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 125 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.2704	* 1.4378	* 1.4061	* 1.4795	* 1.7287	* 1.4239	* 1.7056	* .8748 *
	* 1.7309	* 1.5254	* 1.5497	* 1.4716	* 1.2601	* 1.5265	* 1.2753	* 2.4620 *

9	* 1.4378	* 1.6137	* 1.4231	* 1.6496	* 1.5226	* 1.5489	* 1.7326	* .8745 *
	* 1.5254	* 1.3551	* 1.5321	* 1.3223	* 1.4315	* 1.4080	* 1.2585	* 2.4632 *

10	* 1.4063	* 1.4224	* 1.5378	* 1.5878	* 1.6909	* 1.5822	* 1.7380	* .8437 *
	* 1.5495	* 1.5328	* 1.4224	* 1.3794	* 1.2955	* 1.3848	* 1.2568	* 2.5584 *

11	* 1.4796	* 1.6489	* 1.5865	* 1.6351	* 1.4701	* 1.7536	* 1.7391	* .7875 *
	* 1.4715	* 1.3229	* 1.3805	* 1.3402	* 1.4933	* 1.2536	* 1.2602	* 2.7458 *

12	* 1.7287	* 1.5217	* 1.6898	* 1.4690	* 1.5078	* 1.7666	* 1.0707 *	
	* 1.2601	* 1.4321	* 1.2963	* 1.4944	* 1.4701	* 1.2504	* 2.0420 *	

13	* 1.4239	* 1.5487	* 1.5798	* 1.7516	* 1.7648	* 1.1119	* .5875 *	
	* 1.5265	* 1.4081	* 1.3868	* 1.2549	* 1.2516	* 1.9807	* 3.7025 *	

14	* 1.7056	* 1.7320	* 1.7367	* 1.7351	* 1.0685	* .5868 *		
	* 1.2753	* 1.2588	* 1.2582	* 1.2630	* 2.0460	* 3.7071 *		

15	* .8748	* .8779	* .8430	* .7455	* F-SUB-Q			
	* 2.4620	* 2.4539	* 2.5602	* 2.8996	* M-SUB-Q			

AT 100% POWER, 125 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.2613	* 1.4313	* 1.3978	* 1.4727	* 1.7335	* 1.4183	* 1.7138	* .8629 *
	* 1.6778	* 1.4777	* 1.5067	* 1.4294	* 1.2141	* 1.4823	* 1.2266	* 2.4156 *

9	* 1.4313	* 1.6154	* 1.4144	* 1.6522	* 1.5167	* 1.5467	* 1.7414	* .8533 *
	* 1.4777	* 1.3066	* 1.4895	* 1.2750	* 1.3891	* 1.3628	* 1.2092	* 2.4439 *

10	* 1.3980	* 1.4137	* 1.5325	* 1.5838	* 1.6948	* 1.5818	* 1.7478	* .8204 *
	* 1.5065	* 1.4902	* 1.3787	* 1.3346	* 1.2467	* 1.3358	* 1.2062	* 2.5441 *

11	* 1.4728	* 1.6514	* 1.5825	* 1.6369	* 1.4622	* 1.7612	* 1.7509	* .7649 *
	* 1.4293	* 1.2756	* 1.3357	* 1.2909	* 1.4469	* 1.2018	* 1.2054	* 2.7300 *

12	* 1.7335	* 1.5157	* 1.6937	* 1.4611	* 1.5035	* 1.7765	* 1.0416 *	
	* 1.2141	* 1.3898	* 1.2475	* 1.4480	* 1.4150	* 1.1941	* 2.0198 *	

13	* 1.4183	* 1.5464	* 1.5795	* 1.7591	* 1.7747	* 1.0859	* .5686 *	
	* 1.4823	* 1.3630	* 1.3378	* 1.2031	* 1.1953	* 1.9477	* 3.6862 *	

14	* 1.7137	* 1.7408	* 1.7470	* 1.7468	* 1.0394	* .5679 *		
	* 1.2266	* 1.2095	* 1.2075	* 1.2082	* 2.0239	* 3.6909 *		

15	* .8630	* .8558	* .8197	* .7253	* F-SUB-Q			
	* 2.4156	* 2.4369	* 2.5461	* 2.8786	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 125 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2369	* 1.4052	* 1.3710	* 1.4436	* 1.6993	* 1.3923	* 1.6819	* .8450 *
	* 1.6448	* 1.4492	* 1.4812	* 1.4059	* 1.1934	* 1.4556	* 1.2043	* 2.3797 *
9	* 1.4052	* 1.5842	* 1.3871	* 1.6187	* 1.4873	* 1.5199	* 1.7095	* .8346 *
	* 1.4492	* 1.2841	* 1.4642	* 1.2542	* 1.3655	* 1.3360	* 1.1863	* 2.4103 *
10	* 1.3712	* 1.3865	* 1.5051	* 1.5554	* 1.6618	* 1.5543	* 1.7187	* .8019 *
	* 1.4811	* 1.4649	* 1.3526	* 1.3090	* 1.2242	* 1.3084	* 1.1809	* 2.5096 *
11	* 1.4437	* 1.6179	* 1.5541	* 1.6029	* 1.4334	* 1.7274	* 1.7220	* .7481 *
	* 1.4058	* 1.2548	* 1.3101	* 1.2692	* 1.4203	* 1.1781	* 1.1782	* 2.6897 *
12	* 1.6993	* 1.4863	* 1.6606	* 1.4323	* 1.4761	* 1.7463	* 1.0204	*
	* 1.1934	* 1.3662	* 1.2250	* 1.4215	* 1.3824	* 1.1664	* 1.9828	*
13	* 1.3923	* 1.5196	* 1.5518	* 1.7252	* 1.7444	* 1.0653	* .5557	*
	* 1.4556	* 1.3362	* 1.3104	* 1.1795	* 1.1676	* 1.9061	* 3.6299	*
14	* 1.6818	* 1.7089	* 1.7150	* 1.7178	* 1.0182	* .5549	*	*
	* 1.2043	* 1.1867	* 1.1834	* 1.1813	* 1.9869	* 3.6347	*	*
15	* .8450	* .8370	* .8012	* .7090	* F-SUB-Q			
	* 2.3796	* 2.4034	* 2.5118	* 2.8374	* M-SUB-Q			

AT 100% POWER, 125 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1929	* 1.3544	* 1.3207	* 1.3864	* 1.6176	* 1.3403	* 1.5995	* .8156 *
	* 1.6520	* 1.4566	* 1.4910	* 1.4190	* 1.2150	* 1.4654	* 1.2267	* 2.3911 *
9	* 1.3544	* 1.5113	* 1.3364	* 1.5397	* 1.4281	* 1.4621	* 1.6263	* .8152 *
	* 1.4566	* 1.3045	* 1.4733	* 1.2777	* 1.3783	* 1.3448	* 1.2076	* 2.3927 *
10	* 1.3208	* 1.3357	* 1.4503	* 1.4956	* 1.5821	* 1.4920	* 1.6330	* .7860 *
	* 1.4908	* 1.4740	* 1.3600	* 1.3184	* 1.2449	* 1.3191	* 1.2027	* 2.4827 *
11	* 1.3865	* 1.5389	* 1.4943	* 1.5246	* 1.3767	* 1.6412	* 1.6417	* .7345 *
	* 1.4190	* 1.2783	* 1.3195	* 1.2922	* 1.4310	* 1.1994	* 1.1954	* 2.6546 *
12	* 1.6176	* 1.4272	* 1.5810	* 1.3756	* 1.4162	* 1.6686	* 1.0033	*
	* 1.2150	* 1.3790	* 1.2458	* 1.4322	* 1.3929	* 1.1788	* 1.9510	*
13	* 1.3403	* 1.4618	* 1.4896	* 1.6391	* 1.6667	* 1.0468	* .5472	*
	* 1.4654	* 1.3451	* 1.3213	* 1.2009	* 1.1801	* 1.8752	* 3.5696	*
14	* 1.5994	* 1.6257	* 1.6293	* 1.6375	* 1.0010	* .5464	*	*
	* 1.2268	* 1.2081	* 1.2055	* 1.1985	* 1.9554	* 3.5746	*	*
15	* .8169	* .8184	* .7852	* .6949	* F-SUB-Q			
	* 2.3874	* 2.3834	* 2.4852	* 2.8059	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 125 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1519	* 1.3088	* 1.2729	* 1.3327	* 1.5494	* 1.2888	* 1.5306	* .7770
	* 1.6676	* 1.4688	* 1.5082	* 1.4388	* 1.2359	* 1.4853	* 1.2487	* 2.4483
9	* 1.3088	* 1.4512	* 1.2877	* 1.4738	* 1.3729	* 1.4086	* 1.5564	* .7676
	* 1.4688	* 1.3238	* 1.4904	* 1.3006	* 1.3974	* 1.3604	* 1.2289	* 2.4789
10	* 1.2732	* 1.2872	* 1.4014	* 1.4424	* 1.5140	* 1.4333	* 1.5593	* .7384
	* 1.5078	* 1.4910	* 1.3711	* 1.3315	* 1.2669	* 1.3368	* 1.2266	* 2.5775
11	* 1.3328	* 1.4731	* 1.4412	* 1.4591	* 1.3240	* 1.5672	* 1.5714	* .6885
	* 1.4387	* 1.3012	* 1.3326	* 1.3149	* 1.4493	* 1.2216	* 1.2154	* 2.7615
12	* 1.5494	* 1.3721	* 1.5129	* 1.3229	* 1.3640	* 1.5957		* .9381
	* 1.2359	* 1.3981	* 1.2678	* 1.4505	* 1.4073	* 1.1996	* 2.0319	
13	* 1.2888	* 1.4082	* 1.4307	* 1.5651	* 1.5938	* .9889	* .5124	
	* 1.4853	* 1.3608	* 1.3392	* 1.2233	* 1.2010	* 1.9323	* 3.7159	
14	* 1.5306	* 1.5556	* 1.5569	* 1.5669	* .9358	* .5116		
	* 1.2487	* 1.2295	* 1.2285	* 1.2188	* 2.0368	* 3.7214		
15	* .7781	* .7705	* .7375	* .6513	* F-SUB-Q			
	* 2.4449	* 2.4696	* 2.5806	* 2.9192	* M-SUB-Q			

AT 100% POWER, 125 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0607	* 1.2035	* 1.1662	* 1.2233	* 1.4003	* 1.1824	* 1.3805	* .7174
	* 1.7750	* 1.5650	* 1.6134	* 1.5357	* 1.3396	* 1.5862	* 1.3562	* 2.6013
9	* 1.2035	* 1.3160	* 1.1836	* 1.3332	* 1.2583	* 1.2912	* 1.4013	* .7091
	* 1.5650	* 1.4302	* 1.5889	* 1.4088	* 1.4936	* 1.4535	* 1.3368	* 2.6324
10	* 1.1663	* 1.1831	* 1.2886	* 1.3252	* 1.3687	* 1.3095	* 1.4014	* .6813
	* 1.6133	* 1.5895	* 1.4604	* 1.4189	* 1.3723	* 1.4325	* 1.3365	* 2.7400
11	* 1.2234	* 1.3326	* 1.3242	* 1.3244	* 1.2180	* 1.4105	* 1.4059	* .6295
	* 1.5356	* 1.4094	* 1.4200	* 1.4187	* 1.5427	* 1.3287	* 1.3301	* 2.9629
12	* 1.4003	* 1.2575	* 1.3677	* 1.2170	* 1.2484	* 1.4360	* .8529	
	* 1.3396	* 1.4943	* 1.3733	* 1.5439	* 1.5051	* 1.3047	* 2.1900	
13	* 1.1824	* 1.2907	* 1.3070	* 1.4085	* 1.4343	* .9060	* .4659	
	* 1.5862	* 1.4541	* 1.4353	* 1.3306	* 1.3063	* 2.0664	* 4.0093	
14	* 1.3805	* 1.4004	* 1.3991	* 1.4015	* .8506	* .4652		
	* 1.3563	* 1.3377	* 1.3388	* 1.3343	* 2.1958	* 4.0157		
15	* .7184	* .7113	* .6803	* .5938	* F-SUB-Q			
	* 2.5976	* 2.6239	* 2.7442	* 3.1408	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 125 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8600 *	* .9847 *	* .9311 *	* .9883 *	* 1.2110 *	* .9574 *	* 1.1945 *	* .5967 *
	* 2.1559 *	* 1.8832 *	* 1.9901 *	* 1.8720 *	* 1.5262 *	* 1.9305 *	* 1.5438 *	* 3.0844 *
9	* .9847 *	* 1.1637 *	* .9516 *	* 1.1697 *	* 1.0072 *	* 1.0427 *	* 1.2049 *	* .5974 *
	* 1.8832 *	* 1.5924 *	* 1.9459 *	* 1.5804 *	* 1.8365 *	* 1.7719 *	* 1.5308 *	* 3.0813 *
10	* .9312 *	* .9512 *	* 1.0484 *	* 1.0871 *	* 1.1524 *	* 1.0578 *	* 1.1996 *	* .5649 *
	* 1.9898 *	* 1.9468 *	* 1.7665 *	* 1.7022 *	* 1.6038 *	* 1.7456 *	* 1.5373 *	* 3.2585 *
11	* .9883 *	* 1.1692 *	* 1.0864 *	* 1.1836 *	* 1.0005 *	* 1.2148 *	* 1.1062 *	* .5089 *
	* 1.8719 *	* 1.5810 *	* 1.7033 *	* 1.5618 *	* 1.8485 *	* 1.5197 *	* 1.6652 *	* 3.6167 *
12	* 1.2110 *	* 1.0067 *	* 1.1517 *	* .9998 *	* 1.0124 *	* 1.1757 *		* .6907 *
	* 1.5262 *	* 1.8373 *	* 1.6049 *	* 1.8498 *	* 1.8264 *	* 1.5692 *		* 2.6661 *
13	* .9574 *	* 1.0422 *	* 1.0557 *	* 1.2132 *	* 1.1743 *	* .7399 *		* .3743 *
	* 1.9305 *	* 1.7727 *	* 1.7491 *	* 1.5217 *	* 1.5711 *	* 2.4933 *		* 4.9259 *
14	* 1.1945 *	* 1.2041 *	* 1.1989 *	* 1.1024 *	* .6887 *	* .3737 *		
	* 1.5438 *	* 1.5318 *	* 1.5401 *	* 1.6710 *	* 2.6738 *	* 4.9338 *		
15	* .5967 *	* .5987 *	* .5639 *	* .4814 *	F-SUB-Q			
	* 3.0844 *	* 3.0747 *	* 3.2651 *	* 3.8233 *	M-SUB-Q			

AT 100% POWER, 125 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .3962 *	* .4230 *	* .3989 *	* .4356 *	* .5180 *	* .4338 *	* .4768 *	* .2756 *
	* 4.6329 *	* 4.3381 *	* 4.5933 *	* 4.2013 *	* 3.5305 *	* 4.2105 *	* 3.8296 *	* 6.6222 *
9	* .4230 *	* .4892 *	* .4187 *	* .5174 *	* .4410 *	* .4408 *	* .4798 *	* .2636 *
	* 4.3381 *	* 3.7486 *	* 4.3759 *	* 3.5370 *	* 4.1495 *	* 4.1462 *	* 3.8060 *	* 6.9232 *
10	* .3989 *	* .4186 *	* .4554 *	* .4791 *	* .5233 *	* .4475 *	* .4767 *	* .2515 *
	* 4.5940 *	* 4.3773 *	* 4.0196 *	* 3.8203 *	* 3.4953 *	* 4.0840 *	* 3.8300 *	* 7.2567 *
11	* .4356 *	* .5172 *	* .4789 *	* .5302 *	* .4510 *	* .5135 *	* .4524 *	* .2224 *
	* 4.2013 *	* 3.5383 *	* 3.8220 *	* 3.4502 *	* 4.0552 *	* 3.5574 *	* 4.0331 *	* 8.2073 *
12	* .5180 *	* .4407 *	* .5230 *	* .4507 *	* .4334 *	* .4655 *	* .3058 *	
	* 3.5305 *	* 4.1517 *	* 3.4973 *	* 4.0577 *	* 4.2199 *	* 3.9243 *	* 5.9682 *	
13	* .4338 *	* .4406 *	* .4469 *	* .5128 *	* .4649 *	* .3219 *	* .1702 *	
	* 4.2105 *	* 4.1487 *	* 4.0897 *	* 3.5626 *	* 3.9293 *	* 5.6763 *	* 10.7415 *	
14	* .4768 *	* .4794 *	* .4758 *	* .4507 *	* .3049 *	* .1699 *		
	* 3.8296 *	* 3.8089 *	* 3.8376 *	* 4.0486 *	* 5.9864 *	* 10.7626 *		
15	* .2758 *	* .2644 *	* .2511 *	* .2106 *	F-SUB-Q			
	* 6.6181 *	* 6.9029 *	* 7.2699 *	* 8.6661 *	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .4014 *	* .4630 *	* .4554 *	* .4791 *	* .5351 *	* .4610 *	* .4785 *	* .3034 *
	* 3.9690 *	* 4.0286 *	* 4.2214 *	* 3.9197 *	* 3.4880 *	* 4.0125 *	* 3.8369 *	* 5.9790 *
9	* .4630 *	* .5177 *	* .4710 *	* .5405 *	* .4804 *	* .4662 *	* .4801 *	* .2907 *
	* 4.0286 *	* 3.7075 *	* 4.0751 *	* 3.5155 *	* 3.9195 *	* 3.9938 *	* 3.8434 *	* 6.2697 *
10	* .4554 *	* .4709 *	* .4959 *	* .5110 *	* .5398 *	* .4730 *	* .4748 *	* .2777 *
	* 4.2217 *	* 4.0761 *	* 3.8948 *	* 3.7877 *	* 3.5659 *	* 4.0583 *	* 3.9728 *	* 6.6439 *
11	* .4791 *	* .5405 *	* .5110 *	* .5463 *	* .4829 *	* .5086 *	* .4504 *	* .2446 *
	* 3.9199 *	* 3.5148 *	* 3.7888 *	* 3.5224 *	* 3.9025 *	* 3.7031 *	* 4.2234 *	* 7.7500 *
12	* .5351 *	* .4803 *	* .5396 *	* .4827 *	* .4219 *	* .4461 *	* .3175 *	
	* 3.4880 *	* 3.9195 *	* 3.5670 *	* 3.9048 *	* 3.9613 *	* 3.9663 *	* 5.8435 *	
13	* .4610 *	* .4660 *	* .4725 *	* .5079 *	* .4454 *	* .3274 *	* .1987 *	
	* 4.0125 *	* 3.9946 *	* 4.0623 *	* 3.7078 *	* 3.9720 *	* 5.2423 *	* 9.1009 *	
14	* .4785 *	* .4799 *	* .4738 *	* .4484 *	* .3164 *	* .1984 *		
	* 3.8369 *	* 3.8450 *	* 3.9819 *	* 4.2422 *	* 5.8633 *	* 9.1147 *		
15	* .3034 *	* .2909 *	* .2769 *	* .2322 *	F-SUB-Q			
	* 5.9766 *	* 6.2668 *	* 6.6642 *	* 8.1665 *	M-SUB-Q			

AT 100% POWER, 250 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8819 *	* .9897 *	* .9638 *	* .9959 *	* 1.1261 *	* .9552 *	* 1.0797 *	* .6216 *
	* 2.1113 *	* 1.9443 *	* 2.0367 *	* 1.9270 *	* 1.6947 *	* 1.9804 *	* 1.7378 *	* 2.9844 *
9	* .9897 *	* 1.1181 *	* .9772 *	* 1.1108 *	* 1.0028 *	* .9957 *	* 1.0829 *	* .6294 *
	* 1.9443 *	* 1.7478 *	* 2.0041 *	* 1.7437 *	* 1.9134 *	* 1.9012 *	* 1.7402 *	* 2.9609 *
10	* .9638 *	* .9771 *	* 1.0441 *	* 1.0588 *	* 1.0915 *	* 1.0071 *	* 1.0731 *	* .6037 *
	* 2.0367 *	* 2.0044 *	* 1.8892 *	* 1.8590 *	* 1.7920 *	* 1.9357 *	* 1.7931 *	* 3.1233 *
11	* .9959 *	* 1.1108 *	* 1.0586 *	* 1.1195 *	* .9985 *	* 1.0907 *	* .9894 *	* .5517 *
	* 1.9271 *	* 1.7433 *	* 1.8595 *	* 1.7469 *	* 1.9311 *	* 1.7604 *	* 1.9511 *	* 3.5079 *
12	* 1.1261 *	* 1.0027 *	* 1.0912 *	* .9981 *	* .9562 *	* 1.0420 *	* .6896 *	
	* 1.6947 *	* 1.9133 *	* 1.7925 *	* 1.9318 *	* 1.9011 *	* 1.7801 *	* 2.7465 *	
13	* .9552 *	* .9950 *	* 1.0061 *	* 1.0895 *	* 1.0409 *	* .7313 *	* .4279 *	
	* 1.9804 *	* 1.9016 *	* 1.9377 *	* 1.7621 *	* 1.7819 *	* 2.4908 *	* 4.3332 *	
14	* 1.0797 *	* 1.0826 *	* 1.0711 *	* .9889 *	* .6876 *	* .4273 *		
	* 1.7378 *	* 1.7407 *	* 1.7966 *	* 1.9520 *	* 2.7542 *	* 4.3390 *		
15	* .6216 *	* .6300 *	* .6021 *	* .5164 *	F-SUB-Q			
	* 2.9844 *	* 2.9581 *	* 3.1316 *	* 3.7492 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0869	* 1.2010	* 1.1719	* 1.2127	* 1.3504	* 1.1557	* 1.2945	* .7511
	* 1.8117	* 1.6492	* 1.6986	* 1.6052	* 1.4324	* 1.6598	* 1.4683	* 2.5039
9	* 1.2010	* 1.3091	* 1.1887	* 1.3086	* 1.2310	* 1.2115	* 1.3000	* .7628
	* 1.6492	* 1.5192	* 1.6714	* 1.4994	* 1.5812	* 1.5845	* 1.4683	* 2.4702
10	* 1.1719	* 1.1888	* 1.2550	* 1.2739	* 1.3047	* 1.2191	* 1.2919	* .7377
	* 1.6986	* 1.6713	* 1.5945	* 1.5670	* 1.5236	* 1.6213	* 1.5090	* 2.5907
11	* 1.2126	* 1.3086	* 1.2735	* 1.3089	* 1.2095	* 1.3184	* 1.2316	* .6763
	* 1.6053	* 1.4993	* 1.5674	* 1.5143	* 1.6256	* 1.4815	* 1.5888	* 2.9006
12	* 1.3504	* 1.2309	* 1.3043	* 1.2091	* 1.1966	* 1.2955	* .8627	*
	* 1.4324	* 1.5812	* 1.5241	* 1.6261	* 1.6055	* 1.4765	* 2.2353	*
13	* 1.1557	* 1.2109	* 1.2181	* 1.3172	* 1.2945	* .9107	* .5335	*
	* 1.6598	* 1.5847	* 1.6228	* 1.4828	* 1.4776	* 2.0772	* 3.5507	*
14	* 1.2944	* 1.2998	* 1.2899	* 1.2279	* .8605	* .5327	*	*
	* 1.4683	* 1.4685	* 1.5116	* 1.5935	* 2.2407	* 3.5557	*	*
15	* .7520	* .7647	* .7362	* .6377	* F-SUB-Q			
	* 2.5011	* 2.4642	* 2.5962	* 3.0775	* M-SUB-Q			

AT 100% POWER, 250 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1847	* 1.3167	* 1.2819	* 1.3336	* 1.5269	* 1.2694	* 1.4722	* .8200
	* 1.6995	* 1.5349	* 1.5735	* 1.4791	* 1.2832	* 1.5308	* 1.3064	* 2.3225
9	* 1.3167	* 1.4754	* 1.3023	* 1.4823	* 1.3580	* 1.3404	* 1.4788	* .8221
	* 1.5349	* 1.3719	* 1.5460	* 1.3419	* 1.4531	* 1.4496	* 1.3063	* 2.3216
10	* 1.2820	* 1.3024	* 1.3763	* 1.4075	* 1.4779	* 1.3481	* 1.4713	* .7938
	* 1.5734	* 1.5459	* 1.4733	* 1.4404	* 1.3656	* 1.4836	* 1.3400	* 2.4381
11	* 1.3336	* 1.4824	* 1.4071	* 1.4881	* 1.3341	* 1.5019	* 1.4038	* .7263
	* 1.4792	* 1.3419	* 1.4408	* 1.3536	* 1.5004	* 1.3227	* 1.4151	* 2.7335
12	* 1.5269	* 1.3579	* 1.4775	* 1.3336	* 1.3269	* 1.4728	* .9340	*
	* 1.2832	* 1.4531	* 1.3660	* 1.5009	* 1.4803	* 1.3242	* 2.1023	*
13	* 1.2694	* 1.3399	* 1.3471	* 1.5007	* 1.4720	* .9847	* .5721	*
	* 1.5308	* 1.4496	* 1.4852	* 1.3237	* 1.3249	* 1.9657	* 3.3792	*
14	* 1.4722	* 1.4786	* 1.4693	* 1.4003	* .9320	* .5714	*	*
	* 1.3064	* 1.3063	* 1.3420	* 1.4186	* 2.1066	* 3.3835	*	*
15	* .8200	* .8243	* .7924	* .6832	* F-SUB-Q			
	* 2.3225	* 2.3155	* 2.4421	* 2.9071	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2161	* 1.3561	* 1.3203	* 1.3807	* 1.6014	* 1.3131	* 1.5519	* .8526 *
	* 1.6895	* 1.5192	* 1.5500	* 1.4501	* 1.2414	* 1.5023	* 1.2565	* 2.2666 *
9	* 1.3561	* 1.5426	* 1.3433	* 1.5590	* 1.4095	* 1.3928	* 1.5593	* .8569 *
	* 1.5192	* 1.3368	* 1.5206	* 1.2942	* 1.4219	* 1.4155	* 1.2562	* 2.2601 *
10	* 1.3203	* 1.3433	* 1.4213	* 1.4612	* 1.5571	* 1.4045	* 1.5523	* .8269 *
	* 1.5499	* 1.5206	* 1.4469	* 1.4114	* 1.3184	* 1.4449	* 1.2866	* 2.3735 *
11	* 1.3806	* 1.5590	* 1.4606	* 1.5696	* 1.3853	* 1.5837	* 1.4778	* .7545 *
	* 1.4501	* 1.2942	* 1.4120	* 1.3067	* 1.4726	* 1.2780	* 1.3682	* 2.6663 *
12	* 1.6014	* 1.4094	* 1.5567	* 1.3849	* 1.3768	* 1.5485	* .9747 *	
	* 1.2414	* 1.4220	* 1.3187	* 1.4731	* 1.4562	* 1.2859	* 2.0542 *	
13	* 1.3131	* 1.3924	* 1.4028	* 1.5826	* 1.5477	* 1.0216	* .5906 *	
	* 1.5024	* 1.4154	* 1.4461	* 1.2788	* 1.2865	* 1.9355	* 3.3445 *	
14	* 1.5519	* 1.5587	* 1.5506	* 1.4747	* .9729	* .5899 *		
	* 1.2565	* 1.2561	* 1.2881	* 1.3711	* 2.0580	* 3.3485 *		
15	* .8526 *	* .8594 *	* .8258 *	* .7112 *	F-SUB-Q			
	* 2.2666 *	* 2.2537 *	* 2.3766 *	* 2.8294 *	M-SUB-Q			

AT 100% POWER, 250 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2228	* 1.3657	* 1.3313	* 1.3965	* 1.6302	* 1.3288	* 1.5868	* .8679 *
	* 1.7090	* 1.5338	* 1.5614	* 1.4581	* 1.2401	* 1.5087	* 1.2490	* 2.2652 *
9	* 1.3657	* 1.5654	* 1.3554	* 1.5891	* 1.4286	* 1.4128	* 1.5947	* .8771 *
	* 1.5338	* 1.3391	* 1.5309	* 1.2902	* 1.4278	* 1.4186	* 1.2483	* 2.2461 *
10	* 1.3314	* 1.3554	* 1.4384	* 1.4809	* 1.5895	* 1.4274	* 1.5881	* .8459 *
	* 1.5613	* 1.5309	* 1.4542	* 1.4105	* 1.3082	* 1.4438	* 1.2759	* 2.3574 *
11	* 1.3965	* 1.5890	* 1.4803	* 1.6027	* 1.4040	* 1.6177	* 1.5022	* .7702 *
	* 1.4581	* 1.2903	* 1.4111	* 1.3002	* 1.4780	* 1.2730	* 1.3672	* 2.6482 *
12	* 1.6302	* 1.4284	* 1.5891	* 1.4036	* 1.3940	* 1.5796	* .9975 *	
	* 1.2401	* 1.4279	* 1.3085	* 1.4785	* 1.4674	* 1.2872	* 2.0468 *	
13	* 1.3288	* 1.4126	* 1.4259	* 1.6167	* 1.5788	* 1.0405	* .5996 *	
	* 1.5087	* 1.4184	* 1.4449	* 1.2736	* 1.2878	* 1.9452	* 3.3715 *	
14	* 1.5868	* 1.5943	* 1.5866	* 1.4993	* .9958 *	* .5989 *		
	* 1.2490	* 1.2481	* 1.2772	* 1.3698	* 2.0502	* 3.3752 *		
15	* .8690 *	* .8797 *	* .8450 *	* .7280 *	F-SUB-Q			
	* 2.2621 *	* 2.2395 *	* 2.3598 *	* 2.8026 *	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2279	* 1.3746	* 1.3399	* 1.4097	* 1.6588	* 1.3404	* 1.6216	* .8757
	* 1.7273	* 1.5449	* 1.5786	* 1.4732	* 1.2434	* 1.5224	* 1.2465	* 2.2914
9	* 1.3746	* 1.5898	* 1.3648	* 1.6190	* 1.4443	* 1.4305	* 1.6301	* .8776
	* 1.5449	* 1.3349	* 1.5474	* 1.2900	* 1.4410	* 1.4289	* 1.2451	* 2.2909
10	* 1.3400	* 1.3648	* 1.4488	* 1.4981	* 1.6207	* 1.4471	* 1.6234	* .8469
	* 1.5785	* 1.5475	* 1.4619	* 1.4117	* 1.2985	* 1.4430	* 1.2692	* 2.3987
11	* 1.4097	* 1.6189	* 1.4975	* 1.6352	* 1.4190	* 1.6503	* 1.5303	* .7690
	* 1.4732	* 1.2901	* 1.4123	* 1.2898	* 1.4833	* 1.2654	* 1.3575	* 2.6900
12	* 1.6588	* 1.4441	* 1.6204	* 1.4185	* 1.4086	* 1.6097	* .9966	*
	* 1.2434	* 1.4411	* 1.2987	* 1.4838	* 1.4819	* 1.2887	* 2.0850	*
13	* 1.3404	* 1.4304	* 1.4458	* 1.6494	* 1.6090	* 1.0397	* .5951	*
	* 1.5224	* 1.4286	* 1.4444	* 1.2661	* 1.2892	* 1.9868	* 3.4680	*
14	* 1.6216	* 1.6298	* 1.6220	* 1.5276	* .9950	* .5945	*	*
	* 1.2465	* 1.2448	* 1.2703	* 1.3599	* 2.0883	* 3.4716	*	*
15	* .8769	* .8803	* .8463	* .7261	* F-SUB-Q			
	* 2.2883	* 2.2838	* 2.4007	* 2.8497	* M-SUB-Q			

AT 100% POWER, 250 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2247	* 1.3731	* 1.3389	* 1.4115	* 1.6689	* 1.3419	* 1.6368	* .8793
	* 1.7626	* 1.5746	* 1.6076	* 1.5057	* 1.2654	* 1.5542	* 1.2644	* 2.3378
9	* 1.3731	* 1.5963	* 1.3641	* 1.6299	* 1.4478	* 1.4358	* 1.6456	* .8802
	* 1.5746	* 1.3549	* 1.5768	* 1.3093	* 1.4715	* 1.4568	* 1.2621	* 2.3394
10	* 1.3390	* 1.3640	* 1.4507	* 1.5025	* 1.6325	* 1.4538	* 1.6390	* .8486
	* 1.6075	* 1.5770	* 1.4846	* 1.4349	* 1.3145	* 1.4626	* 1.2820	* 2.4467
11	* 1.4116	* 1.6297	* 1.5018	* 1.6475	* 1.4219	* 1.6634	* 1.5412	* .7691
	* 1.5056	* 1.3094	* 1.4356	* 1.3052	* 1.5079	* 1.2783	* 1.3732	* 2.7295
12	* 1.6689	* 1.4476	* 1.6321	* 1.4214	* 1.4110	* 1.6207	* .9977	*
	* 1.2654	* 1.4716	* 1.3148	* 1.5084	* 1.5032	* 1.3009	* 2.1174	*
13	* 1.3419	* 1.4358	* 1.4526	* 1.6626	* 1.6200	* 1.0397	* .5924	*
	* 1.5542	* 1.4564	* 1.4640	* 1.2790	* 1.3014	* 2.0236	* 3.5400	*
14	* 1.6368	* 1.6454	* 1.6377	* 1.5388	* .9962	* .5918	*	*
	* 1.2644	* 1.2617	* 1.2830	* 1.3754	* 2.1205	* 3.5436	*	*
15	* .8805	* .8830	* .8480	* .7266	* F-SUB-Q			
	* 2.3346	* 2.3319	* 2.4484	* 2.8900	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2238	* 1.3745	* 1.3400	* 1.4150	* 1.6821	* 1.3445	* 1.6543	* .8810
	* 1.8174	* 1.6178	* 1.6438	* 1.5437	* 1.2911	* 1.5932	* 1.2868	* 2.4008
9	* 1.3745	* 1.6069	* 1.3653	* 1.6436	* 1.4524	* 1.4424	* 1.6632	* .8779
	* 1.6178	* 1.3748	* 1.6130	* 1.3320	* 1.5067	* 1.4904	* 1.2836	* 2.4126
10	* 1.3401	* 1.3651	* 1.4540	* 1.5086	* 1.6466	* 1.4613	* 1.6564	* .8455
	* 1.6437	* 1.6132	* 1.5142	* 1.4591	* 1.3299	* 1.4842	* 1.2989	* 2.5202
11	* 1.4151	* 1.6435	* 1.5079	* 1.6624	* 1.4258	* 1.6787	* 1.5538	* .7648
	* 1.5437	* 1.3322	* 1.4599	* 1.3243	* 1.5460	* 1.3016	* 1.3931	* 2.8043
12	* 1.6821	* 1.4521	* 1.6463	* 1.4253	* 1.4153	* 1.6342	* .9925	*
	* 1.2911	* 1.5070	* 1.3302	* 1.5466	* 1.5437	* 1.3264	* 2.1865	*
13	* 1.3445	* 1.4424	* 1.4601	* 1.6779	* 1.6335	* 1.0350	* .5869	*
	* 1.5932	* 1.4900	* 1.4855	* 1.3023	* 1.3269	* 2.0900	* 3.6676	*
14	* 1.6543	* 1.6631	* 1.6553	* 1.5514	* .9911	* .5863	*	*
	* 1.2869	* 1.2832	* 1.2998	* 1.3954	* 2.1896	* 3.6712	*	*
15	* .8822	* .8808	* .8450	* .7259	* F-SUB-Q			
	* 2.3975	* 2.4048	* 2.5217	* 2.9546	* M-SUB-Q			

AT 100% POWER, 250 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2098	* 1.3597	* 1.3268	* 1.4017	* 1.6635	* 1.3345	* 1.6395	* .8825
	* 1.8873	* 1.6757	* 1.7108	* 1.6097	* 1.3494	* 1.6590	* 1.3423	* 2.4782
9	* 1.3597	* 1.5865	* 1.3522	* 1.6245	* 1.4393	* 1.4320	* 1.6481	* .8886
	* 1.6757	* 1.4306	* 1.6786	* 1.3900	* 1.5680	* 1.5502	* 1.3381	* 2.4639
10	* 1.3269	* 1.3520	* 1.4538	* 1.4950	* 1.6290	* 1.4501	* 1.6412	* .8559
	* 1.7107	* 1.6789	* 1.5618	* 1.5155	* 1.3835	* 1.5382	* 1.3500	* 2.5677
11	* 1.4017	* 1.6244	* 1.4942	* 1.6437	* 1.4131	* 1.6616	* 1.5379	* .7741
	* 1.6096	* 1.3901	* 1.5163	* 1.3763	* 1.5999	* 1.3482	* 1.4450	* 2.8504
12	* 1.6635	* 1.4391	* 1.6286	* 1.4126	* 1.4017	* 1.6170	* 1.0065	*
	* 1.3494	* 1.5683	* 1.3837	* 1.6005	* 1.6099	* 1.3843	* 2.2167	*
13	* 1.3345	* 1.4314	* 1.4490	* 1.6608	* 1.6163	* 1.0454	* .5929	*
	* 1.6590	* 1.5504	* 1.5395	* 1.3489	* 1.3849	* 2.1437	* 3.7482	*
14	* 1.6395	* 1.6480	* 1.6401	* 1.5356	* 1.0051	* .5924	*	*
	* 1.3423	* 1.3376	* 1.3509	* 1.4473	* 2.2198	* 3.7519	*	*
15	* .8837	* .8916	* .8555	* .7336	* F-SUB-Q			
	* 2.4748	* 2.4556	* 2.5689	* 3.0079	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2154	* 1.3692	* 1.3345	* 1.4129	* 1.6906	* 1.3455	* 1.6711	* .8841 *
	* 1.9418	* 1.7209	* 1.7630	* 1.6584	* 1.3799	* 1.7100	* 1.3685	* 2.5701 *
9	* 1.3692	* 1.6114	* 1.3601	* 1.6523	* 1.4517	* 1.4460	* 1.6799	* .8797 *
	* 1.7209	* 1.4587	* 1.7306	* 1.4178	* 1.6127	* 1.5931	* 1.3634	* 2.5854 *
10	* 1.3346	* 1.3598	* 1.4525	* 1.5098	* 1.6566	* 1.4662	* 1.6728	* .8459 *
	* 1.7629	* 1.7309	* 1.6199	* 1.5561	* 1.4106	* 1.5766	* 1.3721	* 2.6940 *
11	* 1.4129	* 1.6521	* 1.5090	* 1.6725	* 1.4237	* 1.6907	* 1.5638	* .7629 *
	* 1.6583	* 1.4180	* 1.5570	* 1.4018	* 1.6440	* 1.3716	* 1.4714	* 2.9950 *
12	* 1.6906	* 1.4514	* 1.6562	* 1.4232	* 1.4136	* 1.6444	* .9920 *	
	* 1.3799	* 1.6131	* 1.4109	* 1.6446	* 1.6482	* 1.4050	* 2.3235 *	
13	* 1.3455	* 1.4461	* 1.4650	* 1.6899	* 1.6437	* 1.0336	* .5818 *	
	* 1.7100	* 1.5929	* 1.5779	* 1.3722	* 1.4055	* 2.2339	* 3.9327 *	
14	* 1.6711	* 1.6799	* 1.6718	* 1.5615	* .9907	* .5812 *		
	* 1.3685	* 1.3629	* 1.3729	* 1.4736	* 2.3266	* 3.9364 *		
15	* .8853	* .8826	* .8455	* .7246	* F-SUB-Q			
	* 2.5664	* 2.5766	* 2.6952	* 3.1536	* M-SUB-Q			

AT 100% POWER, 250 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2131	* 1.3681	* 1.3335	* 1.4134	* 1.6962	* 1.3479	* 1.6807	* .8866 *
	* 2.0249	* 1.7926	* 1.8374	* 1.7298	* 1.4359	* 1.7819	* 1.4202	* 2.6739 *
9	* 1.3681	* 1.6147	* 1.3589	* 1.6577	* 1.4529	* 1.4493	* 1.6895	* .8823 *
	* 1.7927	* 1.5158	* 1.8042	* 1.4737	* 1.6803	* 1.6573	* 1.4139	* 2.6888 *
10	* 1.3336	* 1.3586	* 1.4553	* 1.5119	* 1.6625	* 1.4701	* 1.6823	* .8478 *
	* 1.8372	* 1.8046	* 1.6869	* 1.6201	* 1.4653	* 1.6376	* 1.4212	* 2.8004 *
11	* 1.4134	* 1.6575	* 1.5110	* 1.6784	* 1.4241	* 1.6983	* 1.5710	* .7639 *
	* 1.7298	* 1.4739	* 1.6211	* 1.4565	* 1.7129	* 1.4229	* 1.5261	* 3.1098 *
12	* 1.6962	* 1.4526	* 1.6621	* 1.4235	* 1.4143	* 1.6509	* .9944 *	
	* 1.4359	* 1.6807	* 1.4657	* 1.7136	* 1.7146	* 1.4561	* 2.4122 *	
13	* 1.3479	* 1.4495	* 1.4690	* 1.6976	* 1.6502	* 1.0347	* .5807 *	
	* 1.7819	* 1.6571	* 1.6388	* 1.4235	* 1.4567	* 2.3191	* 4.0909 *	
14	* 1.6806	* 1.6896	* 1.6814	* 1.5688	* .9931	* .5802 *		
	* 1.4202	* 1.4138	* 1.4220	* 1.5282	* 2.4153	* 4.0946 *		
15	* .8878	* .8853	* .8475	* .7221	* F-SUB-Q			
	* 2.6701	* 2.6795	* 2.8014	* 3.2898	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2044	* 1.3591	* 1.3257	* 1.4059	* 1.6857	* 1.3441	* 1.6739	* .8899
	* 2.0100	* 1.7785	* 1.8105	* 1.7091	* 1.4300	* 1.7867	* 1.4404	* 2.6773
9	* 1.3591	* 1.6017	* 1.3512	* 1.6461	* 1.4457	* 1.4453	* 1.6827	* .8928
	* 1.7785	* 1.5085	* 1.7798	* 1.4674	* 1.6674	* 1.6693	* 1.4361	* 2.6694
10	* 1.3258	* 1.3509	* 1.4601	* 1.5044	* 1.6523	* 1.4652	* 1.6754	* .8580
	* 1.8104	* 1.7801	* 1.6569	* 1.6107	* 1.4704	* 1.6583	* 1.4476	* 2.7857
11	* 1.4059	* 1.6458	* 1.5035	* 1.6670	* 1.4173	* 1.6893	* 1.5633	* .7729
	* 1.7090	* 1.4676	* 1.6116	* 1.4599	* 1.7170	* 1.4474	* 1.5585	* 3.1020
12	* 1.6857	* 1.4453	* 1.6520	* 1.4168	* 1.4068	* 1.6420	* 1.0080	*
	* 1.4300	* 1.6678	* 1.4707	* 1.7176	* 1.7399	* 1.4978	* 2.4130	*
13	* 1.3441	* 1.4455	* 1.4641	* 1.6886	* 1.6413	* 1.0452	* .5865	*
	* 1.7867	* 1.6690	* 1.6594	* 1.4480	* 1.4984	* 2.3432	* 4.1237	*
14	* 1.6739	* 1.6828	* 1.6745	* 1.5613	* 1.0067	* .5860	*	*
	* 1.4404	* 1.4355	* 1.4482	* 1.5604	* 2.4160	* 4.1274	*	*
15	* .8912	* .8960	* .8577	* .7332	F-SUB-Q			
	* 2.6735	* 2.6601	* 2.7863	* 3.2690	M-SUB-Q			

AT 100% POWER, 250 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2123	* 1.3712	* 1.3360	* 1.4201	* 1.7158	* 1.3582	* 1.7095	* .8938
	* 1.9208	* 1.6954	* 1.7282	* 1.6274	* 1.3508	* 1.7003	* 1.3560	* 2.5637
9	* 1.3712	* 1.6292	* 1.3616	* 1.6765	* 1.4611	* 1.4626	* 1.7186	* .8862
	* 1.6954	* 1.4263	* 1.6984	* 1.3852	* 1.5861	* 1.5852	* 1.3517	* 2.5861
10	* 1.3361	* 1.3613	* 1.4619	* 1.5220	* 1.6830	* 1.4849	* 1.7113	* .8501
	* 1.7280	* 1.6988	* 1.5906	* 1.5298	* 1.3869	* 1.5714	* 1.3614	* 2.7023
11	* 1.4201	* 1.6761	* 1.5211	* 1.6983	* 1.4301	* 1.7222	* 1.5942	* .7640
	* 1.6274	* 1.3854	* 1.5308	* 1.3765	* 1.6342	* 1.3626	* 1.4666	* 3.0131
12	* 1.7158	* 1.4607	* 1.6826	* 1.4295	* 1.4215	* 1.6736	* .9969	*
	* 1.3508	* 1.5865	* 1.3871	* 1.6348	* 1.6595	* 1.4098	* 2.3401	*
13	* 1.3582	* 1.4629	* 1.4838	* 1.7215	* 1.6729	* 1.0362	* .5769	*
	* 1.7003	* 1.5845	* 1.5724	* 1.3631	* 1.4104	* 2.2666	* 4.0186	*
14	* 1.7095	* 1.7188	* 1.7105	* 1.5921	* .9957	* .5764	*	*
	* 1.3560	* 1.3510	* 1.3620	* 1.4683	* 2.3428	* 4.0220	*	*
15	* .8951	* .8894	* .8499	* .7266	F-SUB-Q			
	* 2.5600	* 2.5771	* 2.7027	* 3.1673	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2147	* 1.3759	* 1.3403	* 1.4271	* 1.7308	* 1.3667	* 1.7294	* .8986
	* 1.8523	* 1.6324	* 1.6641	* 1.5642	* 1.2931	* 1.6316	* 1.2940	* 2.4618
9	* 1.3759	* 1.6411	* 1.3661	* 1.6909	* 1.4689	* 1.4728	* 1.7388	* .8886
	* 1.6324	* 1.3675	* 1.6351	* 1.3260	* 1.5234	* 1.5199	* 1.2897	* 2.4904
10	* 1.3404	* 1.3657	* 1.4675	* 1.5310	* 1.6983	* 1.4964	* 1.7314	* .8515
	* 1.6639	* 1.6355	* 1.5298	* 1.4682	* 1.3263	* 1.5042	* 1.2982	* 2.6037
11	* 1.4271	* 1.6905	* 1.5300	* 1.7133	* 1.4366	* 1.7397	* 1.6118	* .7643
	* 1.5642	* 1.3262	* 1.4692	* 1.3167	* 1.5697	* 1.3007	* 1.3985	* 2.9050
12	* 1.7308	* 1.4685	* 1.6979	* 1.4360	* 1.4286	* 1.6905	* .9988	*
	* 1.2931	* 1.5239	* 1.3266	* 1.5703	* 1.5929	* 1.3453	* 2.2512	*
13	* 1.3667	* 1.4731	* 1.4954	* 1.7391	* 1.6898	* 1.0374	* .5750	*
	* 1.6316	* 1.5192	* 1.5051	* 1.3012	* 1.3458	* 2.1819	* 3.8847	*
14	* 1.7293	* 1.7390	* 1.7307	* 1.6098	* .9976	* .5745	*	*
	* 1.2940	* 1.2890	* 1.2987	* 1.4001	* 2.2538	* 3.8879	*	*
15	* .8999	* .8918	* .8514	* .7271	* F-SUB-Q			
	* 2.4582	* 2.4815	* 2.6040	* 3.0528	* M-SUB-Q			

AT 100% POWER, 250 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2162	* 1.3792	* 1.3437	* 1.4319	* 1.7404	* 1.3734	* 1.7425	* .9043
	* 1.7955	* 1.5801	* 1.6111	* 1.5129	* 1.2474	* 1.5749	* 1.2451	* 2.3728
9	* 1.3792	* 1.6478	* 1.3696	* 1.6992	* 1.4744	* 1.4810	* 1.7519	* .8952
	* 1.5801	* 1.3213	* 1.5826	* 1.2797	* 1.4723	* 1.4655	* 1.2408	* 2.3975
10	* 1.3439	* 1.3692	* 1.4761	* 1.5375	* 1.7077	* 1.5048	* 1.7445	* .8575
	* 1.6109	* 1.5831	* 1.4751	* 1.4178	* 1.2785	* 1.4493	* 1.2484	* 2.5068
11	* 1.4319	* 1.6988	* 1.5364	* 1.7220	* 1.4413	* 1.7511	* 1.6231	* .7692
	* 1.5128	* 1.2800	* 1.4187	* 1.2698	* 1.5163	* 1.2515	* 1.3447	* 2.7966
12	* 1.7404	* 1.4739	* 1.7073	* 1.4407	* 1.4340	* 1.7017	* 1.0066	*
	* 1.2474	* 1.4727	* 1.2788	* 1.5169	* 1.5373	* 1.2934	* 2.1626	*
13	* 1.3734	* 1.4814	* 1.5038	* 1.7505	* 1.7010	* 1.0445	* .5774	*
	* 1.5749	* 1.4650	* 1.4502	* 1.2519	* 1.2939	* 2.0975	* 3.7440	*
14	* 1.7424	* 1.7522	* 1.7438	* 1.6211	* 1.0054	* .5769	*	*
	* 1.2451	* 1.2401	* 1.2489	* 1.3462	* 2.1650	* 3.7471	*	*
15	* .9056	* .8985	* .8574	* .7321	* F-SUB-Q			
	* 2.3693	* 2.3888	* 2.5070	* 2.9379	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2129	* 1.3758	* 1.3416	* 1.4302	* 1.7360	* 1.3746	* 1.7407	* .9102
	* 1.8234	* 1.6044	* 1.6359	* 1.5354	* 1.2670	* 1.5941	* 1.2620	* 2.3881
9	* 1.3758	* 1.6401	* 1.3676	* 1.6929	* 1.4729	* 1.4826	* 1.7502	* .9087
	* 1.6044	* 1.3447	* 1.6064	* 1.3012	* 1.4933	* 1.4823	* 1.2574	* 2.3926
10	* 1.3417	* 1.3672	* 1.4873	* 1.5360	* 1.7027	* 1.5057	* 1.7427	* .8708
	* 1.6357	* 1.6069	* 1.4829	* 1.4374	* 1.2980	* 1.4655	* 1.2645	* 2.4996
11	* 1.4302	* 1.6924	* 1.5349	* 1.7155	* 1.4404	* 1.7484	* 1.6224	* .7816
	* 1.5353	* 1.3015	* 1.4383	* 1.2902	* 1.5354	* 1.2673	* 1.3600	* 2.7853
12	* 1.7360	* 1.4724	* 1.7023	* 1.4398	* 1.4326	* 1.6991	* 1.0250	*
	* 1.2670	* 1.4938	* 1.2982	* 1.5360	* 1.5514	* 1.3083	* 2.1466	*
13	* 1.3746	* 1.4830	* 1.5047	* 1.7477	* 1.6984	* 1.0598	* .5859	*
	* 1.5941	* 1.4819	* 1.4664	* 1.2678	* 1.3088	* 2.0879	* 3.7290	*
14	* 1.7406	* 1.7505	* 1.7421	* 1.6205	* 1.0239	* .5854	*	*
	* 1.2620	* 1.2567	* 1.2649	* 1.3615	* 2.1490	* 3.7320	*	*
15	* .9115	* .9121	* .8708	* .7421	* F-SUB-Q			
	* 2.3846	* 2.3836	* 2.4996	* 2.9329	* M-SUB-Q			

AT 100% POWER, 250 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2240	* 1.3919	* 1.3550	* 1.4473	* 1.7709	* 1.3911	* 1.7801	* .9137
	* 1.7563	* 1.5438	* 1.5784	* 1.4784	* 1.2100	* 1.5360	* 1.2030	* 2.3220
9	* 1.3919	* 1.6721	* 1.3812	* 1.7271	* 1.4911	* 1.5028	* 1.7903	* .9003
	* 1.5438	* 1.2844	* 1.5498	* 1.2421	* 1.4370	* 1.4254	* 1.1981	* 2.3568
10	* 1.3552	* 1.3807	* 1.4904	* 1.5574	* 1.7372	* 1.5288	* 1.7830	* .8613
	* 1.5783	* 1.5503	* 1.4407	* 1.3802	* 1.2384	* 1.4060	* 1.2043	* 2.4662
11	* 1.4473	* 1.7267	* 1.5563	* 1.7505	* 1.4555	* 1.7861	* 1.6588	* .7715
	* 1.4784	* 1.2424	* 1.3812	* 1.2305	* 1.4788	* 1.2073	* 1.2952	* 2.7533
12	* 1.7709	* 1.4906	* 1.7368	* 1.4549	* 1.4510	* 1.7363	* 1.0132	*
	* 1.2100	* 1.4374	* 1.2387	* 1.4794	* 1.4915	* 1.2451	* 2.1149	*
13	* 1.3911	* 1.5032	* 1.5278	* 1.7855	* 1.7355	* 1.0507	* .5762	*
	* 1.5360	* 1.4250	* 1.4069	* 1.2078	* 1.2456	* 2.0491	* 3.6983	*
14	* 1.7801	* 1.7906	* 1.7823	* 1.6568	* 1.0120	* .5757	*	*
	* 1.2030	* 1.1976	* 1.2047	* 1.2967	* 2.1173	* 3.7013	*	*
15	* .9150	* .9037	* .8612	* .7342	* F-SUB-Q			
	* 2.3186	* 2.3480	* 2.4663	* 2.8927	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2236	* 1.3934	* 1.3553	* 1.4482	* 1.7751	* 1.3935	* 1.7866	* .9138
	* 1.6979	* 1.4930	* 1.5303	* 1.4325	* 1.1697	* 1.4862	* 1.1610	* 2.2507
9	* 1.3934	* 1.6745	* 1.3816	* 1.7294	* 1.4922	* 1.5069	* 1.7971	* .8993
	* 1.4930	* 1.2425	* 1.5020	* 1.2018	* 1.3917	* 1.3771	* 1.1557	* 2.2876
10	* 1.3554	* 1.3811	* 1.4924	* 1.5604	* 1.7403	* 1.5333	* 1.7897	* .8601
	* 1.5302	* 1.5025	* 1.3940	* 1.3344	* 1.1968	* 1.3568	* 1.1612	* 2.3933
11	* 1.4483	* 1.7289	* 1.5592	* 1.7526	* 1.4560	* 1.7918	* 1.6664	* .7704
	* 1.4324	* 1.2021	* 1.3354	* 1.1894	* 1.4305	* 1.1634	* 1.2467	* 2.6707
12	* 1.7751	* 1.4917	* 1.7399	* 1.4553	* 1.4535	* 1.7430	* 1.0136	*
	* 1.1697	* 1.3922	* 1.1970	* 1.4312	* 1.4359	* 1.1970	* 2.0437	*
13	* 1.3935	* 1.5073	* 1.5323	* 1.7911	* 1.7422	* 1.0517	* .5746	*
	* 1.4862	* 1.3767	* 1.3576	* 1.1639	* 1.1975	* 1.9757	* 3.5876	*
14	* 1.7866	* 1.7974	* 1.7890	* 1.6643	* 1.0125	* .5741	*	*
	* 1.1610	* 1.1554	* 1.1617	* 1.2482	* 2.0460	* 3.5906	*	*
15	* .9152	* .9028	* .8601	* .7329	F-SUB-Q			
	* 2.2474	* 2.2790	* 2.3935	* 2.8069	M-SUB-Q			

AT 100% POWER, 250 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2056	* 1.3730	* 1.3351	* 1.4245	* 1.7343	* 1.3735	* 1.7447	* .9056
	* 1.6773	* 1.4749	* 1.5138	* 1.4189	* 1.1656	* 1.4685	* 1.1568	* 2.2124
9	* 1.3730	* 1.6343	* 1.3614	* 1.6855	* 1.4671	* 1.4850	* 1.7550	* .9038
	* 1.4749	* 1.2393	* 1.4850	* 1.2005	* 1.3786	* 1.3602	* 1.1511	* 2.2171
10	* 1.3352	* 1.3610	* 1.4857	* 1.5355	* 1.6975	* 1.5094	* 1.7475	* .8639
	* 1.5136	* 1.4854	* 1.3633	* 1.3199	* 1.1935	* 1.3404	* 1.1564	* 2.3205
11	* 1.4246	* 1.6850	* 1.5344	* 1.7077	* 1.4332	* 1.7505	* 1.6310	* .7753
	* 1.4188	* 1.2008	* 1.3209	* 1.1873	* 1.4135	* 1.1571	* 1.2377	* 2.5829
12	* 1.7343	* 1.4666	* 1.6970	* 1.4326	* 1.4314	* 1.7047	* 1.0226	*
	* 1.1656	* 1.3790	* 1.1938	* 1.4142	* 1.4163	* 1.1878	* 1.9687	*
13	* 1.3735	* 1.4853	* 1.5083	* 1.7498	* 1.7039	* 1.0593	* .5795	*
	* 1.4685	* 1.3599	* 1.3414	* 1.1576	* 1.1884	* 1.9048	* 3.4588	*
14	* 1.7447	* 1.7553	* 1.7467	* 1.6288	* 1.0213	* .5790	*	*
	* 1.1568	* 1.1509	* 1.1570	* 1.2394	* 1.9711	* 3.4619	*	*
15	* .9069	* .9073	* .8637	* .7357	F-SUB-Q			
	* 2.2091	* 2.2087	* 2.3209	* 2.7220	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1872	* 1.3539	* 1.3125	* 1.3987	* 1.7012	* 1.3480	* 1.7103	* .8801 *
	* 1.6668	* 1.4633	* 1.5074	* 1.4141	* 1.1623	* 1.4638	* 1.1536	* 2.2278 *
9	* 1.3539	* 1.6039	* 1.3384	* 1.6503	* 1.4399	* 1.4597	* 1.7209	* .8672 *
	* 1.4633	* 1.2351	* 1.4784	* 1.1991	* 1.3743	* 1.3531	* 1.1472	* 2.2616 *
10	* 1.3128	* 1.3380	* 1.4464	* 1.5115	* 1.6617	* 1.4836	* 1.7131	* .8278 *
	* 1.5071	* 1.4789	* 1.3698	* 1.3113	* 1.1917	* 1.3326	* 1.1526	* 2.3696 *
11	* 1.3988	* 1.6499	* 1.5105	* 1.6720	* 1.4066	* 1.7162	* 1.6013	* .7426 *
	* 1.4141	* 1.1994	* 1.3122	* 1.1852	* 1.4083	* 1.1526	* 1.2311	* 2.6383 *
12	* 1.7012	* 1.4395	* 1.6613	* 1.4059	* 1.4093	* 1.6733	* .9788 *	
	* 1.1623	* 1.3747	* 1.1920	* 1.4089	* 1.4054	* 1.1811	* 2.0096 *	
13	* 1.3480	* 1.4600	* 1.4824	* 1.7153	* 1.6725	* 1.0233	* .5550 *	
	* 1.4638	* 1.3528	* 1.3337	* 1.1532	* 1.1817	* 1.9259	* 3.5317 *	
14	* 1.7103	* 1.7210	* 1.7120	* 1.5989	* .9775	* .5544 *		
	* 1.1536	* 1.1471	* 1.1533	* 1.2330	* 2.0124	* 3.5351 *		
15	* .8802	* .8705	* .8275	* .7051	* F-SUB-Q			
	* 2.2278	* 2.2531	* 2.3705	* 2.7785	* M-SUB-Q			

AT 100% POWER, 250 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1148	* 1.2706	* 1.2269	* 1.3046	* 1.5612	* 1.2581	* 1.5680	* .8179 *
	* 1.7447	* 1.5321	* 1.5850	* 1.4897	* 1.2437	* 1.5409	* 1.2351	* 2.3565 *
9	* 1.2706	* 1.4747	* 1.2524	* 1.5117	* 1.3427	* 1.3622	* 1.5787	* .8074 *
	* 1.5321	* 1.3194	* 1.5526	* 1.2854	* 1.4479	* 1.4237	* 1.2273	* 2.3874 *
10	* 1.2270	* 1.2521	* 1.3551	* 1.4129	* 1.5246	* 1.3816	* 1.5709	* .7713 *
	* 1.5848	* 1.5530	* 1.4357	* 1.3775	* 1.2749	* 1.4045	* 1.2333	* 2.4995 *
11	* 1.3047	* 1.5114	* 1.4120	* 1.5335	* 1.3151	* 1.5729	* 1.4734	* .6914 *
	* 1.4896	* 1.2857	* 1.3784	* 1.2683	* 1.4787	* 1.2338	* 1.3129	* 2.7851 *
12	* 1.5612	* 1.3422	* 1.5241	* 1.3145	* 1.3177	* 1.5398	* .9073 *	
	* 1.2437	* 1.4484	* 1.2753	* 1.4794	* 1.4755	* 1.2591	* 2.1286 *	
13	* 1.2581	* 1.3624	* 1.3803	* 1.5720	* 1.5389	* .9580	* .5154 *	
	* 1.5409	* 1.4236	* 1.4059	* 1.2345	* 1.2598	* 2.0196	* 3.7377 *	
14	* 1.5680	* 1.5786	* 1.5697	* 1.4706	* .9058	* .5148 *		
	* 1.2351	* 1.2273	* 1.2343	* 1.3154	* 2.1321	* 3.7418 *		
15	* .8189	* .8104	* .7708	* .6545	* F-SUB-Q			
	* 2.3534	* 2.3788	* 2.5011	* 2.9423	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9277	* 1.0597	* 1.0050	* 1.0681	* 1.2935	* 1.0338	* 1.2938	* .6773
	* 2.0671	* 1.8104	* 1.9078	* 1.7939	* 1.4795	* 1.8485	* 1.4753	* 2.8081
9	* 1.0597	* 1.2532	* 1.0276	* 1.2717	* 1.0924	* 1.1229	* 1.3004	* .6764
	* 1.8104	* 1.5301	* 1.8655	* 1.5058	* 1.7542	* 1.7028	* 1.4682	* 2.8123
10	* 1.0052	* 1.0273	* 1.1289	* 1.1753	* 1.2709	* 1.1362	* 1.2920	* .6404
	* 1.9075	* 1.8660	* 1.6991	* 1.6312	* 1.5068	* 1.6826	* 1.4776	* 2.9706
11	* 1.0681	* 1.2715	* 1.1747	* 1.2991	* 1.0932	* 1.2962	* 1.1809	* .5710
	* 1.7938	* 1.5061	* 1.6320	* 1.4749	* 1.7529	* 1.4748	* 1.6145	* 3.3289
12	* 1.2935	* 1.0921	* 1.2705	* 1.0928	* 1.0902	* 1.2487		* .7427
	* 1.4795	* 1.7547	* 1.5072	* 1.7536	* 1.7563	* 1.5296		* 2.5646
13	* 1.0338	* 1.1229	* 1.1349	* 1.2954	* 1.2481	* .7970		* .4225
	* 1.8485	* 1.7028	* 1.6845	* 1.4757	* 1.5306	* 2.3936		* 4.5012
14	* 1.2938	* 1.3004	* 1.2908	* 1.1782	* .7413	* .4221		
	* 1.4753	* 1.4680	* 1.4790	* 1.6182	* 2.5696	* 4.5063		
15	* .6780	* .6780	* .6399	* .5388	* F-SUB-Q			
	* 2.8052	* 2.8056	* 2.9733	* 3.5279	* M-SUB-Q			

AT 100% POWER, 250 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .4498	* .4784	* .4536	* .4926	* .5835	* .4879	* .5471	* .3245
	* 4.2175	* 3.9648	* 4.1803	* 3.8438	* 3.2443	* 3.8707	* 3.4504	* 5.8054
9	* .4784	* .5531	* .4751	* .5884	* .5012	* .5003	* .5491	* .3110
	* 3.9648	* 3.4283	* 3.9891	* 3.2190	* 3.7783	* 3.7780	* 3.4381	* 6.0585
10	* .4536	* .4750	* .5151	* .5441	* .5984	* .5072	* .5445	* .2956
	* 4.1801	* 3.9900	* 3.6789	* 3.4822	* 3.1640	* 3.7293	* 3.4672	* 6.3737
11	* .4926	* .5883	* .5439	* .6038	* .5134	* .5806	* .5163	* .2611
	* 3.8438	* 3.2196	* 3.4833	* 3.1377	* 3.6875	* 3.2557	* 3.6540	* 7.2150
12	* .5835	* .5010	* .5983	* .5133	* .4923	* .5282		* .3469
	* 3.2443	* 3.7794	* 3.1648	* 3.6887	* 3.8440	* 3.5761		* 5.4370
13	* .4879	* .5002	* .5069	* .5802	* .5278	* .3662		* .2017
	* 3.8707	* 3.7785	* 3.7316	* 3.2581	* 3.5786	* 5.1548		* 9.3459
14	* .5471	* .5493	* .5439	* .5149	* .3461			* .2014
	* 3.4504	* 3.4373	* 3.4713	* 3.6641	* 5.4487			* 9.3596
15	* .3245	* .3119	* .2953	* .2476	* F-SUB-Q			
	* 5.8050	* 6.0409	* 6.3805	* 7.6066	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .4444 *	* .5195 *	* .5141 *	* .5394 *	* .6027 *	* .5227 *	* .5480 *	* .3537 *
	* 3.5399 *	* 3.6326 *	* 3.7909 *	* 3.5352 *	* 3.1500 *	* 3.5984 *	* 3.4117 *	* 5.2207 *
9	* .5195 *	* .5806 *	* .5305 *	* .6091 *	* .5430 *	* .5310 *	* .5498 *	* .3391 *
	* 3.6326 *	* 3.3570 *	* 3.6678 *	* 3.1661 *	* 3.5291 *	* 3.5678 *	* 3.4153 *	* 5.4718 *
10	* .5141 *	* .5304 *	* .5595 *	* .5774 *	* .6110 *	* .5383 *	* .5448 *	* .3242 *
	* 3.7913 *	* 3.6686 *	* 3.5004 *	* 3.4157 *	* 3.1975 *	* 3.6217 *	* 3.5199 *	* 5.7898 *
11	* .5394 *	* .6091 *	* .5773 *	* .6159 *	* .5479 *	* .5790 *	* .5187 *	* .2885 *
	* 3.5354 *	* 3.1661 *	* 3.4165 *	* 3.1771 *	* 3.5020 *	* 3.3148 *	* 3.7438 *	* 6.6730 *
12	* .6027 *	* .5429 *	* .6108 *	* .5477 *	* .4730 *	* .5110 *	* .3644 *	
	* 3.1500 *	* 3.5290 *	* 3.1982 *	* 3.5030 *	* 3.4940 *	* 3.5147 *	* 5.1905 *	
13	* .5227 *	* .5308 *	* .5378 *	* .5783 *	* .5103 *	* .3761 *	* .2375 *	
	* 3.5984 *	* 3.5688 *	* 3.6246 *	* 3.3184 *	* 3.5191 *	* 4.6239 *	* 7.7583 *	
14	* .5480 *	* .5496 *	* .5437 *	* .5165 *	* .3632 *	* .2372 *		
	* 3.4117 *	* 3.4164 *	* 3.5272 *	* 3.7594 *	* 5.2067 *	* 7.7692 *		
15	* .3538 *	* .3393 *	* .3233 *	* .2730 *	F-SUB-Q			
	* 5.2192 *	* 5.4690 *	* 5.8061 *	* 7.0544 *	M-SUB-Q			

AT 100% POWER, 350 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9335 *	* 1.0462 *	* 1.0232 *	* 1.0584 *	* 1.1905 *	* 1.0211 *	* 1.1568 *	* .6861 *
	* 2.0159 *	* 1.8626 *	* 1.9481 *	* 1.8430 *	* 1.6302 *	* 1.8858 *	* 1.6530 *	* 2.7561 *
9	* 1.0462 *	* 1.1785 *	* 1.0358 *	* 1.1801 *	* 1.0710 *	* 1.0689 *	* 1.1599 *	* .6938 *
	* 1.8626 *	* 1.6839 *	* 1.9192 *	* 1.6679 *	* 1.8272 *	* 1.8035 *	* 1.6554 *	* 2.7332 *
10	* 1.0232 *	* 1.0357 *	* 1.1091 *	* 1.1268 *	* 1.1750 *	* 1.0809 *	* 1.1510 *	* .6669 *
	* 1.9481 *	* 1.9194 *	* 1.8053 *	* 1.7759 *	* 1.6945 *	* 1.8382 *	* 1.7016 *	* 2.8788 *
11	* 1.0584 *	* 1.1801 *	* 1.1265 *	* 1.1973 *	* 1.0717 *	* 1.1655 *	* 1.0689 *	* .6114 *
	* 1.8430 *	* 1.6678 *	* 1.7763 *	* 1.6590 *	* 1.8314 *	* 1.6783 *	* 1.8419 *	* 3.2178 *
12	* 1.1905 *	* 1.0710 *	* 1.1747 *	* 1.0713 *	* 1.0268 *	* 1.1202 *	* .7459 *	
	* 1.6302 *	* 1.8271 *	* 1.6949 *	* 1.8319 *	* 1.7963 *	* 1.6878 *	* 2.5881 *	
13	* 1.0211 *	* 1.0684 *	* 1.0801 *	* 1.1645 *	* 1.1192 *	* .7926 *	* .4823 *	
	* 1.8858 *	* 1.8037 *	* 1.8397 *	* 1.6797 *	* 1.6892 *	* 2.3360 *	* 3.9168 *	
14	* 1.1568 *	* 1.1597 *	* 1.1491 *	* 1.0654 *	* .7438 *	* .4817 *		
	* 1.6530 *	* 1.6557 *	* 1.7045 *	* 1.8477 *	* 2.5948 *	* 3.9214 *		
15	* .6867 *	* .6946 *	* .6654 *	* .5723 *	F-SUB-Q			
	* 2.7537 *	* 2.7281 *	* 2.8856 *	* 3.4383 *	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1194	* 1.2367	* 1.2091	* 1.2554	* 1.4172	* 1.2010	* 1.3843	* .8170
	* 1.7823	* 1.6227	* 1.6696	* 1.5750	* 1.3874	* 1.6245	* 1.3987	* 2.3451
9	* 1.2367	* 1.3793	* 1.2290	* 1.3908	* 1.2796	* 1.2664	* 1.3892	* .8284
	* 1.6227	* 1.4632	* 1.6399	* 1.4338	* 1.5501	* 1.5421	* 1.3994	* 2.3172
10	* 1.2092	* 1.2291	* 1.2957	* 1.3221	* 1.3840	* 1.2755	* 1.3808	* .8025
	* 1.6695	* 1.6398	* 1.5670	* 1.5337	* 1.4585	* 1.5772	* 1.4361	* 2.4235
11	* 1.2553	* 1.3909	* 1.3218	* 1.4066	* 1.2673	* 1.4001	* 1.2901	* .7321
	* 1.5751	* 1.4337	* 1.5341	* 1.4315	* 1.5773	* 1.4202	* 1.5452	* 2.7223
12	* 1.4172	* 1.2795	* 1.3837	* 1.2670	* 1.2515	* 1.3639	* .9147	*
	* 1.3874	* 1.5501	* 1.4588	* 1.5777	* 1.5616	* 1.4276	* 2.1473	*
13	* 1.2010	* 1.2660	* 1.2747	* 1.3992	* 1.3631	* .9663	* .5868	*
	* 1.6245	* 1.5422	* 1.5783	* 1.4210	* 1.4283	* 1.9923	* 3.2876	*
14	* 1.3843	* 1.3892	* 1.3789	* 1.2867	* .9126	* .5860	*	*
	* 1.3987	* 1.3995	* 1.4381	* 1.5491	* 2.1518	* 3.2916	*	*
15	* .8178	* .8303	* .8011	* .6910	* F-SUB-Q			
	* 2.3426	* 2.3119	* 2.4279	* 2.8852	* M-SUB-Q			

AT 100% POWER, 350 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1976	* 1.3290	* 1.2948	* 1.3511	* 1.5614	* 1.2900	* 1.5373	* .8758
	* 1.7011	* 1.5383	* 1.5774	* 1.4803	* 1.2733	* 1.5278	* 1.2725	* 2.2116
9	* 1.3290	* 1.5223	* 1.3175	* 1.5376	* 1.3810	* 1.3693	* 1.5424	* .8765
	* 1.5383	* 1.3466	* 1.5476	* 1.3113	* 1.4538	* 1.4415	* 1.2733	* 2.2144
10	* 1.2948	* 1.3177	* 1.3901	* 1.4274	* 1.5351	* 1.3790	* 1.5350	* .8477
	* 1.5773	* 1.5475	* 1.4774	* 1.4357	* 1.3325	* 1.4730	* 1.3049	* 2.3196
11	* 1.3511	* 1.5377	* 1.4270	* 1.5602	* 1.3680	* 1.5530	* 1.4326	* .7702
	* 1.4804	* 1.3112	* 1.4361	* 1.3072	* 1.4846	* 1.2999	* 1.4101	* 2.6156
12	* 1.5614	* 1.3810	* 1.5349	* 1.3676	* 1.3549	* 1.5163	* .9685	*
	* 1.2733	* 1.4538	* 1.3327	* 1.4850	* 1.4729	* 1.3091	* 2.0615	*
13	* 1.2900	* 1.3690	* 1.3780	* 1.5522	* 1.5157	* 1.0226	* .6159	*
	* 1.5278	* 1.4414	* 1.4741	* 1.3005	* 1.3095	* 1.9245	* 3.1927	*
14	* 1.5372	* 1.5425	* 1.5334	* 1.4297	* .9668	* .6152	*	*
	* 1.2725	* 1.2732	* 1.3063	* 1.4129	* 2.0650	* 3.1962	*	*
15	* .8768	* .8788	* .8466	* .7255	* F-SUB-Q			
	* 2.2090	* 2.2088	* 2.3227	* 2.7775	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2106	* 1.3463	* 1.3114	* 1.3734	* 1.6031	* 1.3105	* 1.5849	* .8957
	* 1.7135	* 1.5444	* 1.5769	* 1.4745	* 1.2554	* 1.5167	* 1.2482	* 2.1892
9	* 1.3463	* 1.5625	* 1.3358	* 1.5825	* 1.4063	* 1.3960	* 1.5899	* .8973
	* 1.5444	* 1.3329	* 1.5454	* 1.2895	* 1.4467	* 1.4310	* 1.2492	* 2.1896
10	* 1.3115	* 1.3359	* 1.4106	* 1.4565	* 1.5839	* 1.4092	* 1.5822	* .8676
	* 1.5768	* 1.5454	* 1.4737	* 1.4284	* 1.3107	* 1.4595	* 1.2796	* 2.2930
11	* 1.3733	* 1.5826	* 1.4561	* 1.6091	* 1.3932	* 1.6008	* 1.4762	* .7859
	* 1.4745	* 1.2894	* 1.4288	* 1.2855	* 1.4816	* 1.2813	* 1.3891	* 2.5920
12	* 1.6031	* 1.4063	* 1.5837	* 1.3928	* 1.3794	* 1.5567	* .9923	
	* 1.2554	* 1.4467	* 1.3108	* 1.4820	* 1.4731	* 1.2964	* 2.0468	
13	* 1.3105	* 1.3959	* 1.4080	* 1.6001	* 1.5562	* 1.0420	* .6248	
	* 1.5167	* 1.4308	* 1.4604	* 1.2817	* 1.2967	* 1.9250	* 3.2083	
14	* 1.5849	* 1.5900	* 1.5810	* 1.4737	* .9908	* .6242		
	* 1.2482	* 1.2490	* 1.2806	* 1.3914	* 2.0497	* 3.2115		
15	* .8968	* .8998	* .8668	* .7421	* F-SUB-Q			
	* 2.1863	* 2.1836	* 2.2952	* 2.7456	* M-SUB-Q			

AT 100% POWER, 350 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2024	* 1.3395	* 1.3046	* 1.3683	* 1.6053	* 1.3075	* 1.5929	* .9005
	* 1.7484	* 1.5726	* 1.6059	* 1.5007	* 1.2711	* 1.5391	* 1.2584	* 2.2084
9	* 1.3395	* 1.5634	* 1.3294	* 1.5865	* 1.4035	* 1.3943	* 1.5980	* .9053
	* 1.5726	* 1.3487	* 1.5733	* 1.3034	* 1.4707	* 1.4519	* 1.2591	* 2.2009
10	* 1.3048	* 1.3294	* 1.4116	* 1.4548	* 1.5897	* 1.4088	* 1.5904	* .8744
	* 1.6057	* 1.5733	* 1.4924	* 1.4462	* 1.3198	* 1.4779	* 1.2879	* 2.3051
11	* 1.3683	* 1.5866	* 1.4543	* 1.6161	* 1.3900	* 1.6063	* 1.4809	* .7905
	* 1.5007	* 1.3034	* 1.4466	* 1.2961	* 1.5056	* 1.2945	* 1.4013	* 2.6065
12	* 1.6053	* 1.4034	* 1.5896	* 1.3897	* 1.3734	* 1.5608	* 1.0005	
	* 1.2711	* 1.4708	* 1.3199	* 1.5059	* 1.5049	* 1.3161	* 2.0629	
13	* 1.3075	* 1.3943	* 1.4078	* 1.6057	* 1.5604	* 1.0462	* .6254	
	* 1.5391	* 1.4516	* 1.4786	* 1.2948	* 1.3164	* 1.9568	* 3.2705	
14	* 1.5929	* 1.5982	* 1.5894	* 1.4787	* .9991	* .6248		
	* 1.2584	* 1.2588	* 1.2888	* 1.4033	* 2.0656	* 3.2735		
15	* .9005	* .9079	* .8738	* .7486	* F-SUB-Q			
	* 2.2082	* 2.1945	* 2.3067	* 2.7528	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1963	* 1.3353	* 1.2988	* 1.3646	* 1.6118	* 1.3051	* 1.6049	* .8968
	* 1.7771	* 1.5934	* 1.6356	* 1.5298	* 1.2872	* 1.5679	* 1.2695	* 2.2556
9	* 1.3353	* 1.5707	* 1.3233	* 1.5953	* 1.4013	* 1.3935	* 1.6099	* .8971
	* 1.5934	* 1.3532	* 1.6036	* 1.3162	* 1.4977	* 1.4761	* 1.2697	* 2.2588
10	* 1.2990	* 1.3232	* 1.4023	* 1.4541	* 1.6000	* 1.4093	* 1.6023	* .8643
	* 1.6354	* 1.6036	* 1.5148	* 1.4569	* 1.3205	* 1.4898	* 1.2958	* 2.3683
11	* 1.3646	* 1.5953	* 1.4537	* 1.6263	* 1.3870	* 1.6149	* 1.4886	* .7794
	* 1.5298	* 1.3162	* 1.4574	* 1.2999	* 1.5244	* 1.3007	* 1.4047	* 2.6727
12	* 1.6118	* 1.4012	* 1.5999	* 1.3867	* 1.3702	* 1.5691	* .9870	
	* 1.2872	* 1.4977	* 1.3206	* 1.5247	* 1.5326	* 1.3299	* 2.1197	
13	* 1.3051	* 1.3936	* 1.4084	* 1.6145	* 1.5687	* 1.0325	* .6134	
	* 1.5679	* 1.4757	* 1.4908	* 1.3011	* 1.3302	* 2.0149	* 3.3902	
14	* 1.6049	* 1.6102	* 1.6015	* 1.4867	* .9858	* .6129		
	* 1.2695	* 1.2692	* 1.2965	* 1.4065	* 2.1223	* 3.3931		
15	* .8968	* .8998	* .8638	* .7372	* F-SUB-Q			
	* 2.2555	* 2.2520	* 2.3695	* 2.8261	* M-SUB-Q			

AT 100% POWER, 350 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1860	* 1.3267	* 1.2881	* 1.3547	* 1.6061	* 1.2970	* 1.6032	* .8920
	* 1.8168	* 1.6261	* 1.6707	* 1.5712	* 1.3177	* 1.6099	* 1.2962	* 2.3142
9	* 1.3267	* 1.5655	* 1.3124	* 1.5909	* 1.3922	* 1.3853	* 1.6081	* .8914
	* 1.6261	* 1.3778	* 1.6390	* 1.3431	* 1.5348	* 1.5134	* 1.2956	* 2.3193
10	* 1.2884	* 1.3123	* 1.3936	* 1.4458	* 1.5961	* 1.4019	* 1.6003	* .8580
	* 1.6704	* 1.6391	* 1.5479	* 1.4886	* 1.3446	* 1.5209	* 1.3174	* 2.4293
11	* 1.3547	* 1.5908	* 1.4453	* 1.6228	* 1.3771	* 1.6106	* 1.4845	* .7724
	* 1.5712	* 1.3431	* 1.4891	* 1.3218	* 1.5573	* 1.3220	* 1.4286	* 2.7266
12	* 1.6061	* 1.3921	* 1.5960	* 1.3768	* 1.3601	* 1.5642	* .9793	
	* 1.3177	* 1.5349	* 1.3447	* 1.5577	* 1.5619	* 1.3503	* 2.1619	
13	* 1.2970	* 1.3855	* 1.4011	* 1.6102	* 1.5639	* 1.0236	* .6055	
	* 1.6099	* 1.5129	* 1.5217	* 1.3223	* 1.3506	* 2.0611	* 3.4746	
14	* 1.6032	* 1.6085	* 1.5996	* 1.4827	* .9782	* .6050		
	* 1.2962	* 1.2951	* 1.3180	* 1.4303	* 2.1644	* 3.4774		
15	* .8920	* .8942	* .8576	* .7309	* F-SUB-Q			
	* 2.3141	* 2.3121	* 2.4303	* 2.8819	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1804	* 1.3222	* 1.2823	* 1.3495	* 1.6070	* 1.2924	* 1.6076	* .8874 *
	* 1.8730	* 1.6717	* 1.7110	* 1.6147	* 1.3490	* 1.6556	* 1.3242	* 2.3840 *
9	* 1.3222	* 1.5680	* 1.3061	* 1.5934	* 1.3875	* 1.3820	* 1.6123	* .8829 *
	* 1.6717	* 1.4030	* 1.6795	* 1.3693	* 1.5725	* 1.5535	* 1.3227	* 2.3991 *
10	* 1.2825	* 1.3060	* 1.3869	* 1.4422	* 1.5990	* 1.3987	* 1.6043	* .8488 *
	* 1.7107	* 1.6796	* 1.5818	* 1.5212	* 1.3673	* 1.5487	* 1.3396	* 2.5101 *
11	* 1.3495	* 1.5934	* 1.4417	* 1.6257	* 1.3712	* 1.6124	* 1.4856	* .7628 *
	* 1.6147	* 1.3693	* 1.5218	* 1.3506	* 1.6011	* 1.3510	* 1.4560	* 2.8091 *
12	* 1.6070	* 1.3874	* 1.5989	* 1.3709	* 1.3552	* 1.5658		* .9678 *
	* 1.3490	* 1.5726	* 1.3674	* 1.6015	* 1.6071	* 1.3803		* 2.2372 *
13	* 1.2924	* 1.3822	* 1.3980	* 1.6121	* 1.5654	* 1.0123		* .5962 *
	* 1.6556	* 1.5529	* 1.5496	* 1.3513	* 1.3806	* 2.1327		* 3.6058 *
14	* 1.6076	* 1.6129	* 1.6037	* 1.4839	* .9668	* .5957		
	* 1.3242	* 1.3222	* 1.3401	* 1.4577	* 2.2396	* 3.6087		
15	* .8874	* .8857	* .8486	* .7254	* F-SUB-Q			
	* 2.3839	* 2.3916	* 2.5109	* 2.9543	* M-SUB-Q			

AT 100% POWER, 350 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1649	* 1.3044	* 1.2670	* 1.3325	* 1.5846	* 1.2785	* 1.5864	* .8857 *
	* 1.9453	* 1.7336	* 1.7779	* 1.6826	* 1.4083	* 1.7235	* 1.3813	* 2.4600 *
9	* 1.3044	* 1.5449	* 1.2905	* 1.5700	* 1.3701	* 1.3661	* 1.5910	* .8908 *
	* 1.7336	* 1.4576	* 1.7454	* 1.4282	* 1.6364	* 1.6164	* 1.3790	* 2.4481 *
10	* 1.2672	* 1.2904	* 1.3856	* 1.4241	* 1.5750	* 1.3820	* 1.5826	* .8566 *
	* 1.7776	* 1.7456	* 1.6267	* 1.5783	* 1.4221	* 1.6054	* 1.3934	* 2.5553 *
11	* 1.3325	* 1.5700	* 1.4236	* 1.6026	* 1.3550	* 1.5894	* 1.4639	* .7695 *
	* 1.6826	* 1.4283	* 1.5789	* 1.4009	* 1.6575	* 1.4016	* 1.5105	* 2.8530 *
12	* 1.5846	* 1.3700	* 1.5749	* 1.3546	* 1.3447	* 1.5423		* .9784 *
	* 1.4084	* 1.6365	* 1.4222	* 1.6579	* 1.6733	* 1.4436		* 2.2688 *
13	* 1.2785	* 1.3664	* 1.3813	* 1.5892	* 1.5420	* 1.0195		* .6004 *
	* 1.7235	* 1.6158	* 1.6062	* 1.4019	* 1.4439	* 2.1845		* 3.6852 *
14	* 1.5864	* 1.5916	* 1.5821	* 1.4623	* .9773	* .5999		
	* 1.3813	* 1.3784	* 1.3939	* 1.5122	* 2.2713	* 3.6881		
15	* .8869	* .8937	* .8564	* .7307	* F-SUB-Q			
	* 2.4580	* 2.4401	* 2.5559	* 3.0047	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1690	* 1.3127	* 1.2710	* 1.3386	* 1.6029	* 1.2833	* 1.6088	* .8833
	* 1.9972	* 1.7756	* 1.8319	* 1.7327	* 1.4411	* 1.7773	* 1.4096	* 2.5519
9	* 1.3127	* 1.5659	* 1.2943	* 1.5908	* 1.3772	* 1.3738	* 1.6134	* .8782
	* 1.7756	* 1.4844	* 1.7990	* 1.4578	* 1.6834	* 1.6625	* 1.4064	* 2.5692
10	* 1.2713	* 1.2942	* 1.3774	* 1.4331	* 1.5964	* 1.3908	* 1.6049	* .8430
	* 1.8316	* 1.7992	* 1.6905	* 1.6198	* 1.4490	* 1.6464	* 1.4183	* 2.6817
11	* 1.3387	* 1.5908	* 1.4325	* 1.6235	* 1.3592	* 1.6080	* 1.4818	* .7556
	* 1.7327	* 1.4579	* 1.6204	* 1.4270	* 1.7045	* 1.4283	* 1.5387	* 2.9981
12	* 1.6029	* 1.3770	* 1.5963	* 1.3589	* 1.3432	* 1.5586	* .9606	*
	* 1.4411	* 1.6836	* 1.4491	* 1.7049	* 1.7178	* 1.4679	* 2.3775	*
13	* 1.2833	* 1.3741	* 1.3902	* 1.6077	* 1.5583	* 1.0039	* .5873	*
	* 1.7773	* 1.6621	* 1.6472	* 1.4285	* 1.4682	* 2.2796	* 3.8633	*
14	* 1.6088	* 1.6141	* 1.6044	* 1.4803	* .9596	* .5868	*	*
	* 1.4096	* 1.4058	* 1.4187	* 1.5403	* 2.3799	* 3.8662	*	*
15	* .8834	* .8811	* .8428	* .7190	* F-SUB-Q			
	* 2.5518	* 2.5607	* 2.6823	* 3.1511	* M-SUB-Q			

AT 100% POWER, 350 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1670	* 1.3117	* 1.2693	* 1.3370	* 1.6050	* 1.2824	* 1.6133	* .8839
	* 2.0768	* 1.8448	* 1.9053	* 1.8040	* 1.4971	* 1.8497	* 1.4615	* 2.6512
9	* 1.3117	* 1.5687	* 1.2922	* 1.5935	* 1.3759	* 1.3733	* 1.6178	* .8790
	* 1.8448	* 1.5391	* 1.8724	* 1.5124	* 1.7508	* 1.7276	* 1.4579	* 2.6676
10	* 1.2695	* 1.2920	* 1.3782	* 1.4327	* 1.5989	* 1.3905	* 1.6090	* .8431
	* 1.9049	* 1.8726	* 1.7562	* 1.6842	* 1.5036	* 1.7100	* 1.4679	* 2.7832
11	* 1.3371	* 1.5934	* 1.4319	* 1.6265	* 1.3572	* 1.6104	* 1.4841	* .7549
	* 1.8039	* 1.5125	* 1.6849	* 1.4799	* 1.7731	* 1.4807	* 1.5947	* 3.1092
12	* 1.6050	* 1.3757	* 1.5988	* 1.3569	* 1.3412	* 1.5605	* .9609	*
	* 1.4971	* 1.7510	* 1.5036	* 1.7736	* 1.7844	* 1.5197	* 2.4642	*
13	* 1.2824	* 1.3737	* 1.3899	* 1.6102	* 1.5602	* 1.0032	* .5853	*
	* 1.8497	* 1.7272	* 1.7108	* 1.4809	* 1.5199	* 2.3620	* 4.0108	*
14	* 1.6133	* 1.6186	* 1.6086	* 1.4827	* .9599	* .5849	*	*
	* 1.4615	* 1.4572	* 1.4683	* 1.5962	* 2.4666	* 4.0137	*	*
15	* .8840	* .8820	* .8430	* .7148	* F-SUB-Q			
	* 2.6510	* 2.6587	* 2.7835	* 3.2840	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1605	* 1.3051	* 1.2632	* 1.3300	* 1.5953	* 1.2777	* 1.6052	* .8868
	* 2.0555	* 1.8250	* 1.8710	* 1.7785	* 1.4881	* 1.8504	* 1.4801	* 2.6465
9	* 1.3051	* 1.5584	* 1.2860	* 1.5830	* 1.3687	* 1.3680	* 1.6096	* .8893
	* 1.8250	* 1.5289	* 1.8416	* 1.5036	* 1.7344	* 1.7356	* 1.4779	* 2.6396
10	* 1.2634	* 1.2858	* 1.3853	* 1.4255	* 1.5879	* 1.3841	* 1.6004	* .8530
	* 1.8706	* 1.8418	* 1.7205	* 1.6743	* 1.5094	* 1.7281	* 1.4929	* 2.7590
11	* 1.3301	* 1.5829	* 1.4247	* 1.6163	* 1.3506	* 1.6006	* 1.4747	* .7635
	* 1.7784	* 1.5037	* 1.6751	* 1.4854	* 1.7751	* 1.5046	* 1.6261	* 3.0891
12	* 1.5953	* 1.3685	* 1.5878	* 1.3503	* 1.3416	* 1.5534		* .9737
	* 1.4881	* 1.7346	* 1.5095	* 1.7755	* 1.7968	* 1.5587		* 2.4588
13	* 1.2777	* 1.3684	* 1.3836	* 1.6005	* 1.5531	* 1.0132		* .5911
	* 1.8504	* 1.7348	* 1.7288	* 1.5048	* 1.5589	* 2.3786		* 4.0245
14	* 1.6052	* 1.6104	* 1.6000	* 1.4734	* .9728	* .5906		
	* 1.4801	* 1.4772	* 1.4932	* 1.6275	* 2.4610	* 4.0273		
15	* .8877	* .8924	* .8530	* .7257	F-SUB-Q			
	* 2.6444	* 2.6308	* 2.7590	* 3.2493	M-SUB-Q			

AT 100% POWER, 350 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1701	* 1.3181	* 1.2732	* 1.3428	* 1.6213	* 1.2889	* 1.6357	* .8894
	* 1.9603	* 1.7371	* 1.7846	* 1.6934	* 1.4071	* 1.7628	* 1.3955	* 2.5363
9	* 1.3181	* 1.5870	* 1.2961	* 1.6113	* 1.3826	* 1.3818	* 1.6402	* .8815
	* 1.7371	* 1.4434	* 1.7563	* 1.4195	* 1.6497	* 1.6495	* 1.3933	* 2.5593
10	* 1.2735	* 1.2958	* 1.3840	* 1.4414	* 1.6169	* 1.3999	* 1.6308	* .8440
	* 1.7842	* 1.7566	* 1.6543	* 1.5902	* 1.4231	* 1.6399	* 1.4066	* 2.6788
11	* 1.3428	* 1.6112	* 1.4405	* 1.6448	* 1.3614	* 1.6277	* 1.5005	* .7538
	* 1.6933	* 1.4196	* 1.5911	* 1.4013	* 1.6902	* 1.4192	* 1.5327	* 3.0032
12	* 1.6213	* 1.3823	* 1.6168	* 1.3611	* 1.3456	* 1.5772		* .9614
	* 1.4071	* 1.6499	* 1.4231	* 1.6906	* 1.7255	* 1.4726		* 2.3872
13	* 1.2889	* 1.3823	* 1.3994	* 1.6276	* 1.5770	* 1.0030		* .5811
	* 1.7628	* 1.6487	* 1.6405	* 1.4193	* 1.4729	* 2.3041		* 3.9220
14	* 1.6357	* 1.6410	* 1.6306	* 1.4992	* .9605	* .5807		
	* 1.3955	* 1.3926	* 1.4067	* 1.5340	* 2.3892	* 3.9247		
15	* .8895	* .8846	* .8440	* .7182	F-SUB-Q			
	* 2.5361	* 2.5506	* 2.6786	* 3.1513	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1759	* 1.3262	* 1.2800	* 1.3511	* 1.6368	* 1.2974	* 1.6545	* .8949
	* 1.8881	* 1.6709	* 1.7178	* 1.6282	* 1.3478	* 1.6936	* 1.3336	* 2.4373
9	* 1.3262	* 1.6033	* 1.3028	* 1.6274	* 1.3915	* 1.3914	* 1.6589	* .8846
	* 1.6709	* 1.3823	* 1.6904	* 1.3588	* 1.5851	* 1.5837	* 1.3314	* 2.4663
10	* 1.2803	* 1.3026	* 1.3908	* 1.4517	* 1.6335	* 1.4104	* 1.6493	* .8460
	* 1.7174	* 1.6907	* 1.5917	* 1.5265	* 1.3611	* 1.5722	* 1.3434	* 2.5831
11	* 1.3511	* 1.6272	* 1.4508	* 1.6618	* 1.3690	* 1.6439	* 1.5162	* .7546
	* 1.6281	* 1.3589	* 1.5274	* 1.3404	* 1.6240	* 1.3566	* 1.4643	* 2.8980
12	* 1.6368	* 1.3913	* 1.6334	* 1.3686	* 1.3533	* 1.5931	* .9636	*
	* 1.3478	* 1.5854	* 1.3612	* 1.6244	* 1.6571	* 1.4070	* 2.2989	*
13	* 1.2974	* 1.3919	* 1.4099	* 1.6438	* 1.5929	* 1.0050	* .5798	*
	* 1.6936	* 1.5829	* 1.5727	* 1.3567	* 1.4073	* 2.2192	* 3.7925	*
14	* 1.6545	* 1.6598	* 1.6491	* 1.5150	* .9628	* .5794	*	*
	* 1.3336	* 1.3307	* 1.3436	* 1.4654	* 2.3008	* 3.7949	*	*
15	* .8950	* .8878	* .8461	* .7191	* F-SUB-Q			
	* 2.4372	* 2.4578	* 2.5828	* 3.0403	* M-SUB-Q			

AT 100% POWER, 350 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1825	* 1.3351	* 1.2882	* 1.3600	* 1.6512	* 1.3066	* 1.6707	* .9030
	* 1.8283	* 1.6158	* 1.6622	* 1.5748	* 1.3002	* 1.6362	* 1.2843	* 2.3499
9	* 1.3351	* 1.6174	* 1.3111	* 1.6420	* 1.4010	* 1.4020	* 1.6752	* .8938
	* 1.6158	* 1.3339	* 1.6354	* 1.3106	* 1.5321	* 1.5289	* 1.2820	* 2.3745
10	* 1.2885	* 1.3108	* 1.4043	* 1.4624	* 1.6477	* 1.4210	* 1.6652	* .8544
	* 1.6619	* 1.6357	* 1.5339	* 1.4741	* 1.3121	* 1.5168	* 1.2932	* 2.4871
11	* 1.3601	* 1.6418	* 1.4615	* 1.6763	* 1.3777	* 1.6585	* 1.5291	* .7615
	* 1.5747	* 1.3107	* 1.4750	* 1.2921	* 1.5690	* 1.3064	* 1.4103	* 2.7908
12	* 1.6512	* 1.4008	* 1.6476	* 1.3773	* 1.3617	* 1.6069	* .9736	*
	* 1.3002	* 1.5323	* 1.3121	* 1.5695	* 1.5996	* 1.3542	* 2.2096	*
13	* 1.3066	* 1.4025	* 1.4206	* 1.6584	* 1.6066	* 1.0144	* .5840	*
	* 1.6362	* 1.5281	* 1.5172	* 1.3064	* 1.3544	* 2.1343	* 3.6549	*
14	* 1.6707	* 1.6762	* 1.6651	* 1.5280	* .9728	* .5837	*	*
	* 1.2843	* 1.2813	* 1.2933	* 1.4113	* 2.2113	* 3.6572	*	*
15	* .9031	* .8971	* .8546	* .7220	* F-SUB-Q			
	* 2.3498	* 2.3661	* 2.4868	* 2.9266	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1870	* 1.3407	* 1.2945	* 1.3663	* 1.6573	* 1.3144	* 1.6778	* .9142 *
	* 1.8529	* 1.6370	* 1.6843	* 1.5959	* 1.3183	* 1.6547	* 1.3004	* 2.3609 *
9	* 1.3407	* 1.6214	* 1.3176	* 1.6466	* 1.4075	* 1.4102	* 1.6823	* .9129 *
	* 1.6370	* 1.3539	* 1.6566	* 1.3296	* 1.5521	* 1.5470	* 1.2979	* 2.3648 *
10	* 1.2947	* 1.3173	* 1.4259	* 1.4696	* 1.6519	* 1.4284	* 1.6720	* .8729 *
	* 1.6840	* 1.6570	* 1.5370	* 1.4922	* 1.3305	* 1.5332	* 1.3087	* 2.4752 *
11	* 1.3664	* 1.6465	* 1.4687	* 1.6818	* 1.3850	* 1.6649	* 1.5347	* .7780 *
	* 1.5958	* 1.3297	* 1.4931	* 1.3093	* 1.5863	* 1.3214	* 1.4265	* 2.7756 *
12	* 1.6573	* 1.4073	* 1.6518	* 1.3846	* 1.3775	* 1.6119	* .9969 *	
	* 1.3183	* 1.5523	* 1.3305	* 1.5867	* 1.6015	* 1.3688	* 2.1902 *	
13	* 1.3144	* 1.4107	* 1.4280	* 1.6648	* 1.6117	* 1.0350	* .5960 *	
	* 1.6547	* 1.5464	* 1.5336	* 1.3215	* 1.3690	* 2.1216	* 3.6335 *	
14	* 1.6778	* 1.6832	* 1.6719	* 1.5336	* .9962	* .5956	*	
	* 1.3004	* 1.2972	* 1.3088	* 1.4275	* 2.1918	* 3.6358 *		
15	* .9146	* .9163	* .8731	* .7402	* F-SUB-Q			
	* 2.3602	* 2.3562	* 2.4747	* 2.9170	* M-SUB-Q			

AT 100% POWER, 350 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2075	* 1.3666	* 1.3167	* 1.3922	* 1.7014	* 1.3382	* 1.7261	* .9240 *
	* 1.7818	* 1.5736	* 1.6246	* 1.5368	* 1.2598	* 1.5963	* 1.2413	* 2.2950 *
9	* 1.3666	* 1.6669	* 1.3402	* 1.6927	* 1.4350	* 1.4377	* 1.7308	* .9107 *
	* 1.5736	* 1.2913	* 1.5977	* 1.2685	* 1.4933	* 1.4890	* 1.2387	* 2.3290 *
10	* 1.3170	* 1.3399	* 1.4362	* 1.5004	* 1.6990	* 1.4586	* 1.7204	* .8692 *
	* 1.6242	* 1.5980	* 1.4959	* 1.4329	* 1.2681	* 1.4733	* 1.2484	* 2.4413 *
11	* 1.3923	* 1.6925	* 1.4995	* 1.7285	* 1.4094	* 1.7106	* 1.5777	* .7730 *
	* 1.5367	* 1.2686	* 1.4338	* 1.2483	* 1.5279	* 1.2609	* 1.3609	* 2.7417 *
12	* 1.7014	* 1.4347	* 1.6989	* 1.4090	* 1.3942	* 1.6575	* .9912 *	
	* 1.2598	* 1.4936	* 1.2682	* 1.5283	* 1.5515	* 1.3033	* 2.1593 *	
13	* 1.3382	* 1.4383	* 1.4582	* 1.7105	* 1.6572	* 1.0324	* .5902 *	
	* 1.5963	* 1.4882	* 1.4737	* 1.2610	* 1.3035	* 2.0812	* 3.5946 *	
14	* 1.7261	* 1.7318	* 1.7203	* 1.5766	* .9905	* .5898 *		
	* 1.2413	* 1.2380	* 1.2484	* 1.3619	* 2.1609	* 3.5968 *		
15	* .9241	* .9141	* .8693	* .7370	* F-SUB-Q			
	* 2.2948	* 2.3206	* 2.4408	* 2.8753	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.2209	* 1.3837	* 1.3322	* 1.4093	* 1.7262	* 1.3551	* 1.7526	* .9352 *
	* 1.7086	* 1.5096	* 1.5626	* 1.4773	* 1.2077	* 1.5332	* 1.1884	* 2.2071 *

9	* 1.3837	* 1.6906	* 1.3562	* 1.7166	* 1.4528	* 1.4570	* 1.7574	* .9207 *
	* 1.5096	* 1.2378	* 1.5360	* 1.2162	* 1.4347	* 1.4288	* 1.1857	* 2.2424 *

10	* 1.3324	* 1.3559	* 1.4549	* 1.5206	* 1.7232	* 1.4787	* 1.7470	* .8784 *
	* 1.5622	* 1.5363	* 1.4357	* 1.3743	* 1.2145	* 1.4114	* 1.1942	* 2.3511 *

11	* 1.4094	* 1.7165	* 1.5196	* 1.7532	* 1.4266	* 1.7364	* 1.6015	* .7808 *
	* 1.4772	* 1.2163	* 1.3752	* 1.1949	* 1.4656	* 1.2051	* 1.3016	* 2.6420 *

12	* 1.7262	* 1.4525	* 1.7231	* 1.4262	* 1.4119	* 1.6826	* 1.0028	*
	* 1.2077	* 1.4350	* 1.2146	* 1.4660	* 1.4827	* 1.2444	* 2.0724	*

13	* 1.3551	* 1.4576	* 1.4782	* 1.7364	* 1.6823	* 1.0448	* .5954	*
	* 1.5332	* 1.4280	* 1.4118	* 1.2051	* 1.2446	* 1.9946	* 3.4676	*

14	* 1.7526	* 1.7585	* 1.7469	* 1.6003	* 1.0020	* .5950	*	*
	* 1.1884	* 1.1850	* 1.1943	* 1.3025	* 2.0740	* 3.4698	*	*

15	* .9353	* .9241	* .8786	* .7442	* F-SUB-Q			
	* 2.2069	* 2.2342	* 2.3507	* 2.7714	* M-SUB-Q			

AT 100% POWER, 350 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.2217	* 1.3836	* 1.3343	* 1.4100	* 1.7189	* 1.3579	* 1.7431	* .9434 *
	* 1.6671	* 1.4743	* 1.5253	* 1.4435	* 1.1849	* 1.4951	* 1.1666	* 2.1380 *

9	* 1.3836	* 1.6803	* 1.3591	* 1.7056	* 1.4527	* 1.4595	* 1.7483	* .9386 *
	* 1.4743	* 1.2159	* 1.4982	* 1.1957	* 1.4020	* 1.3932	* 1.1636	* 2.1491 *

10	* 1.3345	* 1.3588	* 1.4764	* 1.5218	* 1.7112	* 1.4802	* 1.7380	* .8982 *
	* 1.5250	* 1.4986	* 1.3821	* 1.3411	* 1.1937	* 1.3760	* 1.1712	* 2.2458 *

11	* 1.4101	* 1.7055	* 1.5209	* 1.7419	* 1.4313	* 1.7302	* 1.5940	* .7994 *
	* 1.4434	* 1.1958	* 1.3419	* 1.1734	* 1.4260	* 1.1791	* 1.2751	* 2.5195 *

12	* 1.7189	* 1.4524	* 1.7111	* 1.4309	* 1.4244	* 1.6786	* 1.0294	*
	* 1.1849	* 1.4023	* 1.1937	* 1.4264	* 1.4326	* 1.2147	* 1.9683	*

13	* 1.3579	* 1.4601	* 1.4797	* 1.7301	* 1.6782	* 1.0700	* .6104	*
	* 1.4950	* 1.3927	* 1.3764	* 1.1792	* 1.2149	* 1.8970	* 3.2977	*

14	* 1.7431	* 1.7493	* 1.7377	* 1.5927	* 1.0285	* .6100	*	*
	* 1.1666	* 1.1629	* 1.1714	* 1.2761	* 1.9699	* 3.2999	*	*

15	* .9434	* .9422	* .8983	* .7600	* F-SUB-Q			
	* 2.1379	* 2.1410	* 2.2456	* 2.6492	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2249	* 1.3890	* 1.3362	* 1.4123	* 1.7229	* 1.3579	* 1.7457	* .9319 *
	* 1.6312	* 1.4406	* 1.4950	* 1.4145	* 1.1597	* 1.4666	* 1.1418	* 2.1230 *
9	* 1.3890	* 1.6854	* 1.3615	* 1.7083	* 1.4544	* 1.4623	* 1.7515	* .9170 *
	* 1.4406	* 1.1886	* 1.4678	* 1.1709	* 1.3739	* 1.3635	* 1.1383	* 2.1580 *
10	* 1.3364	* 1.3612	* 1.4626	* 1.5250	* 1.7136	* 1.4842	* 1.7415	* .8773 *
	* 1.4949	* 1.4681	* 1.3686	* 1.3127	* 1.1683	* 1.3447	* 1.1452	* 2.2554 *
11	* 1.4123	* 1.7082	* 1.5241	* 1.7431	* 1.4297	* 1.7345	* 1.5977	* .7804 *
	* 1.4144	* 1.1710	* 1.3135	* 1.1491	* 1.3989	* 1.1519	* 1.2458	* 2.5304 *
12	* 1.7229	* 1.4541	* 1.7135	* 1.4293	* 1.4206	* 1.6842	* 1.0043	*
	* 1.1597	* 1.3742	* 1.1684	* 1.3993	* 1.4067	* 1.1848	* 1.9761	*
13	* 1.3579	* 1.4628	* 1.4835	* 1.7343	* 1.6839	* 1.0528	* .5958	*
	* 1.4666	* 1.3630	* 1.3453	* 1.1521	* 1.1850	* 1.8877	* 3.3111	*
14	* 1.7457	* 1.7525	* 1.7410	* 1.5961	* 1.0033	* .5953	*	
	* 1.1418	* 1.1377	* 1.1455	* 1.2470	* 1.9780	* 3.3136	*	
15	* .9333	* .9205	* .8772	* .7426	* F-SUB-Q			
	* 2.1199	* 2.1500	* 2.2556	* 2.6590	* M-SUB-Q			

AT 100% POWER, 350 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1752	* 1.3339	* 1.2778	* 1.3486	* 1.6251	* 1.2956	* 1.6444	* .8843 *
	* 1.6739	* 1.4764	* 1.5393	* 1.4584	* 1.2098	* 1.5127	* 1.1918	* 2.2018 *
9	* 1.3339	* 1.5900	* 1.3029	* 1.6080	* 1.3886	* 1.3978	* 1.6514	* .8718 *
	* 1.4764	* 1.2393	* 1.5100	* 1.2238	* 1.4164	* 1.4031	* 1.1871	* 2.2338 *
10	* 1.2779	* 1.3027	* 1.3995	* 1.4607	* 1.6126	* 1.4169	* 1.6425	* .8338 *
	* 1.5392	* 1.5103	* 1.4067	* 1.3486	* 1.2208	* 1.3849	* 1.1935	* 2.3351 *
11	* 1.3487	* 1.6079	* 1.4598	* 1.6412	* 1.3681	* 1.6351	* 1.5048	* .7426 *
	* 1.4584	* 1.2239	* 1.3494	* 1.2004	* 1.4384	* 1.2010	* 1.2998	* 2.6163 *
12	* 1.6251	* 1.3883	* 1.6125	* 1.3677	* 1.3611	* 1.5908	* .9527 *	
	* 1.2098	* 1.4167	* 1.2209	* 1.4389	* 1.4439	* 1.2323	* 2.0482 *	
13	* 1.2956	* 1.3981	* 1.4161	* 1.6348	* 1.5903	* 1.0089	* .5661 *	
	* 1.5127	* 1.4027	* 1.3857	* 1.2013	* 1.2326	* 1.9365	* 3.4284 *	
14	* 1.6444	* 1.6520	* 1.6418	* 1.5028	* .9515	* .5656	*	
	* 1.1919	* 1.1866	* 1.1940	* 1.3015	* 2.0507	* 3.4313	*	
15	* .8850	* .8749	* .8335	* .7046	* F-SUB-Q			
	* 2.2001	* 2.2259	* 2.3359	* 2.7577	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0102	* 1.1473	* 1.0836	* 1.1391	* 1.3622	* 1.0993	* 1.3685	* .7468 *
	* 1.9209	* 1.6924	* 1.7905	* 1.7026	* 1.4225	* 1.7580	* 1.4108	* 2.5718 *
9	* 1.1473	* 1.3539	* 1.1035	* 1.3586	* 1.1670	* 1.1909	* 1.3733	* .7433 *
	* 1.6924	* 1.4341	* 1.7582	* 1.4274	* 1.6621	* 1.6235	* 1.4060	* 2.5840 *
10	* 1.0837	* 1.1033	* 1.2057	* 1.2524	* 1.3689	* 1.2039	* 1.3642	* .7053 *
	* 1.7902	* 1.7586	* 1.6101	* 1.5500	* 1.4163	* 1.6058	* 1.4152	* 2.7227 *
11	* 1.1392	* 1.3585	* 1.2519	* 1.3925	* 1.1717	* 1.3657	* 1.2481	* .6307 *
	* 1.7026	* 1.4275	* 1.5506	* 1.3940	* 1.6554	* 1.4163	* 1.5439	* 3.0396 *
12	* 1.3622	* 1.1668	* 1.3687	* 1.1714	* 1.1674	* 1.3222	* .7994 *	
	* 1.4225	* 1.6624	* 1.4165	* 1.6559	* 1.6585	* 1.4599	* 2.4062 *	
13	* 1.0993	* 1.1911	* 1.2030	* 1.3653	* 1.3217	* .8623	* .4772 *	
	* 1.7580	* 1.6232	* 1.6070	* 1.4167	* 1.4605	* 2.2334	* 4.0141 *	
14	* 1.3685	* 1.3738	* 1.3633	* 1.2459	* .7982	* .4768 *		
	* 1.4108	* 1.4055	* 1.4161	* 1.5466	* 2.4099	* 4.0177 *		
15	* .7476	* .7455	* .7049	* .5956	F-SUB-Q			
	* 2.5690	* 2.5770	* 2.7244	* 3.2187	M-SUB-Q			

AT 100% POWER, 350 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .5175	* .5479	* .5183	* .5552	* .6535	* .5455	* .6165	* .3756 *
	* 3.7039	* 3.4985	* 3.6964	* 3.4472	* 2.9270	* 3.4953	* 3.0904	* 5.0566 *
9	* .5479	* .6297	* .5400	* .6628	* .5656	* .5632	* .6182	* .3605 *
	* 3.4985	* 3.0433	* 3.5474	* 2.8884	* 3.3832	* 3.3879	* 3.0817	* 5.2692 *
10	* .5183	* .5399	* .5822	* .6134	* .6746	* .5706	* .6132	* .3430 *
	* 3.6961	* 3.5479	* 3.2901	* 3.1217	* 2.8365	* 3.3482	* 3.1066	* 5.5360 *
11	* .5552	* .6627	* .6132	* .6795	* .5802	* .6514	* .5840	* .3047 *
	* 3.4471	* 2.8886	* 3.1226	* 2.8184	* 3.2976	* 2.9301	* 3.2598	* 6.2244 *
12	* .6535	* .5655	* .6745	* .5801	* .5594	* .5971	* .3957 *	
	* 2.9270	* 3.3837	* 2.8368	* 3.2983	* 3.4179	* 3.1918	* 4.8047 *	
13	* .5455	* .5632	* .5704	* .6511	* .5968	* .4203	* .2403 *	
	* 3.4953	* 3.3878	* 3.3495	* 2.9314	* 3.1934	* 4.5267	* 7.8904 *	
14	* .6165	* .6184	* .6126	* .5831	* .3950	* .2400 *		
	* 3.0904	* 3.0808	* 3.1093	* 3.2672	* 4.8132	* 7.9001 *		
15	* .3757	* .3615	* .3428	* .2891	F-SUB-Q			
	* 5.0558	* 5.2546	* 5.5404	* 6.5627	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .5019 *	* .5984 *	* .5947 *	* .6205 *	* .6926 *	* .6058 *	* .6402 *	* .4242 *
	* 3.0264 *	* 3.1585 *	* 3.3027 *	* 3.1011 *	* 2.7673 *	* 3.1376 *	* 2.9544 *	* 4.4077 *
9	* .5984 *	* .6677 *	* .6114 *	* .6998 *	* .6259 *	* .6157 *	* .6419 *	* .4070 *
	* 3.1585 *	* 2.9399 *	* 3.2078 *	* 2.7796 *	* 3.0927 *	* 3.0985 *	* 2.9590 *	* 4.6147 *
10	* .5947 *	* .6113 *	* .6438 *	* .6629 *	* .7038 *	* .6234 *	* .6372 *	* .3896 *
	* 3.3029 *	* 3.2084 *	* 3.0663 *	* 3.0024 *	* 2.7999 *	* 3.1550 *	* 3.0409 *	* 4.8732 *
11	* .6205 *	* .6998 *	* .6628 *	* .7068 *	* .6317 *	* .6716 *	* .6099 *	* .3516 *
	* 3.1012 *	* 2.7796 *	* 3.0029 *	* 2.7940 *	* 3.0672 *	* 2.8895 *	* 3.2274 *	* 5.5287 *
12	* .6926 *	* .6259 *	* .7037 *	* .6315 *	* .5377 *	* .5970 *		* .4301 *
	* 2.7673 *	* 3.0926 *	* 2.8004 *	* 3.0680 *	* 2.9935 *	* 3.0121 *		* 4.4483 *
13	* .6058 *	* .6155 *	* .6229 *	* .6709 *	* .5963 *	* .4438 *		* .2953 *
	* 3.1376 *	* 3.0992 *	* 3.1571 *	* 2.8921 *	* 3.0146 *	* 3.9266 *		* 6.3027 *
14	* .6402 *	* .6418 *	* .6360 *	* .6075 *	* .4287 *	* .2949 *		
	* 2.9544 *	* 2.9600 *	* 3.0467 *	* 3.2398 *	* 4.4611 *	* 6.3107 *		
15	* .4242 *	* .4072 *	* .3885 *	* .3333 *	F-SUB-Q			
	* 4.4079 *	* 4.6125 *	* 4.8864 *	* 5.8342 *	M-SUB-Q			

AT 100% POWER, 465 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9906 *	* 1.1079 *	* 1.0875 *	* 1.1202 *	* 1.2544 *	* 1.0872 *	* 1.2387 *	* .7611 *
	* 1.9036 *	* 1.7672 *	* 1.8516 *	* 1.7607 *	* 1.5651 *	* 1.7932 *	* 1.5648 *	* 2.5200 *
9	* 1.1079 *	* 1.2464 *	* 1.0981 *	* 1.2537 *	* 1.1369 *	* 1.1421 *	* 1.2414 *	* .7674 *
	* 1.7672 *	* 1.6046 *	* 1.8293 *	* 1.5891 *	* 1.7444 *	* 1.7098 *	* 1.5676 *	* 2.5087 *
10	* 1.0875 *	* 1.0980 *	* 1.1731 *	* 1.1916 *	* 1.2542 *	* 1.1534 *	* 1.2339 *	* .7395 *
	* 1.8516 *	* 1.8295 *	* 1.7243 *	* 1.6952 *	* 1.6049 *	* 1.7440 *	* 1.6073 *	* 2.6310 *
11	* 1.1201 *	* 1.2537 *	* 1.1914 *	* 1.2704 *	* 1.1417 *	* 1.2399 *	* 1.1477 *	* .6863 *
	* 1.7608 *	* 1.5890 *	* 1.6956 *	* 1.5774 *	* 1.7374 *	* 1.5960 *	* 1.7381 *	* 2.9008 *
12	* 1.2544 *	* 1.1369 *	* 1.2540 *	* 1.1414 *	* 1.0952 *	* 1.1964 *		* .8111 *
	* 1.5651 *	* 1.7443 *	* 1.6051 *	* 1.7378 *	* 1.6922 *	* 1.5906 *		* 2.4079 *
13	* 1.0872 *	* 1.1417 *	* 1.1527 *	* 1.2390 *	* 1.1955 *	* .8627 *		* .5519 *
	* 1.7932 *	* 1.7099 *	* 1.7451 *	* 1.5969 *	* 1.5916 *	* 2.1623 *		* 3.4602 *
14	* 1.2387 *	* 1.2413 *	* 1.2321 *	* 1.1443 *	* .8091 *			* .5513 *
	* 1.5648 *	* 1.5677 *	* 1.6097 *	* 1.7431 *	* 2.4135 *			* 3.4638 *
15	* .7618 *	* .7682 *	* .7379 *	* .6396 *	F-SUB-Q			
	* 2.5178 *	* 2.5050 *	* 2.6366 *	* 3.1131 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1481	* 1.2636	* 1.2360	* 1.2794	* 1.4490	* 1.2303	* 1.4400	* .8817
	* 1.7498	* 1.5997	* 1.6489	* 1.5613	* 1.3715	* 1.6005	* 1.3618	* 2.2049
9	* 1.2636	* 1.4274	* 1.2542	* 1.4391	* 1.3063	* 1.3023	* 1.4437	* .8906
	* 1.5997	* 1.4253	* 1.6225	* 1.4018	* 1.5370	* 1.5175	* 1.3636	* 2.1843
10	* 1.2360	* 1.2543	* 1.3187	* 1.3477	* 1.4326	* 1.3095	* 1.4362	* .8661
	* 1.6488	* 1.6224	* 1.5547	* 1.5156	* 1.4239	* 1.5515	* 1.3974	* 2.2745
11	* 1.2793	* 1.4392	* 1.3474	* 1.4602	* 1.2999	* 1.4455	* 1.3364	* .7917
	* 1.5614	* 1.4017	* 1.5159	* 1.3891	* 1.5535	* 1.3912	* 1.5102	* 2.5467
12	* 1.4490	* 1.3063	* 1.4324	* 1.2996	* 1.2870	* 1.4102	* .9653	*
	* 1.3715	* 1.5369	* 1.4240	* 1.5538	* 1.5331	* 1.3934	* 2.0586	*
13	* 1.2303	* 1.3021	* 1.3089	* 1.4448	* 1.4097	* 1.0216	* .6496	*
	* 1.6005	* 1.5174	* 1.5527	* 1.3918	* 1.3939	* 1.9038	* 3.0035	*
14	* 1.4400	* 1.4438	* 1.4347	* 1.3334	* .9634	* .6488	*	*
	* 1.3618	* 1.3636	* 1.3990	* 1.5134	* 2.0623	* 3.0067	*	*
15	* .8834	* .8926	* .8647	* .7479	* F-SUB-Q			
	* 2.2005	* 2.1796	* 2.2782	* 2.6967	* M-SUB-Q			

AT 100% POWER, 465 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2010	* 1.3276	* 1.2894	* 1.3413	* 1.5497	* 1.2912	* 1.5529	* .9225
	* 1.7081	* 1.5503	* 1.5969	* 1.5034	* 1.2943	* 1.5353	* 1.2732	* 2.1241
9	* 1.3276	* 1.5304	* 1.3091	* 1.5454	* 1.3724	* 1.3713	* 1.5563	* .9204
	* 1.5503	* 1.3485	* 1.5703	* 1.3177	* 1.4778	* 1.4536	* 1.2754	* 2.1331
10	* 1.2895	* 1.3092	* 1.3801	* 1.4194	* 1.5423	* 1.3816	* 1.5490	* .8927
	* 1.5968	* 1.5701	* 1.5007	* 1.4562	* 1.3376	* 1.4852	* 1.3066	* 2.2271
11	* 1.3412	* 1.5455	* 1.4191	* 1.5712	* 1.3671	* 1.5543	* 1.4401	* .8118
	* 1.5034	* 1.3177	* 1.4565	* 1.3077	* 1.4989	* 1.3121	* 1.4181	* 2.5073
12	* 1.5497	* 1.3724	* 1.5422	* 1.3669	* 1.3588	* 1.5190	* .9967	*
	* 1.2943	* 1.4777	* 1.3376	* 1.4992	* 1.4827	* 1.3186	* 2.0245	*
13	* 1.2912	* 1.3712	* 1.3806	* 1.5538	* 1.5186	* 1.0547	* .6652	*
	* 1.5353	* 1.4534	* 1.4860	* 1.3124	* 1.3188	* 1.8850	* 2.9881	*
14	* 1.5529	* 1.5565	* 1.5479	* 1.4377	* .9952	* .6646	*	*
	* 1.2732	* 1.2752	* 1.3077	* 1.4204	* 2.0274	* 2.9909	*	*
15	* .9226	* .9227	* .8917	* .7661	* F-SUB-Q			
	* 2.1240	* 2.1279	* 2.2295	* 2.6574	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1966	* 1.3249	* 1.2853	* 1.3393	* 1.5598	* 1.2915	* 1.5715	* .9262 *
	* 1.7432	* 1.5778	* 1.6191	* 1.5213	* 1.2987	* 1.5490	* 1.2694	* 2.1369 *
9	* 1.3249	* 1.5419	* 1.3053	* 1.5589	* 1.3726	* 1.3730	* 1.5747	* .9269 *
	* 1.5778	* 1.3572	* 1.5915	* 1.3192	* 1.4934	* 1.4663	* 1.2716	* 2.1393 *
10	* 1.2853	* 1.3054	* 1.3763	* 1.4207	* 1.5595	* 1.3860	* 1.5674	* .8979 *
	* 1.6190	* 1.5914	* 1.5204	* 1.4744	* 1.3401	* 1.4956	* 1.3024	* 2.2355 *
11	* 1.3392	* 1.5589	* 1.4203	* 1.5867	* 1.3668	* 1.5686	* 1.4505	* .8143 *
	* 1.5213	* 1.3192	* 1.4747	* 1.3128	* 1.5209	* 1.3185	* 1.4266	* 2.5230 *
12	* 1.5598	* 1.3726	* 1.5594	* 1.3666	* 1.3586	* 1.5335	* 1.0046	* *
	* 1.2987	* 1.4933	* 1.3402	* 1.5211	* 1.5080	* 1.3273	* 2.0399	* *
13	* 1.2915	* 1.3731	* 1.3851	* 1.5682	* 1.5333	* 1.0578	* .6642	* *
	* 1.5490	* 1.4660	* 1.4962	* 1.3186	* 1.3275	* 1.9135	* 3.0475	* *
14	* 1.5715	* 1.5751	* 1.5666	* 1.4486	* 1.0033	* .6636	* *	* *
	* 1.2694	* 1.2713	* 1.3031	* 1.4284	* 2.0424	* 3.0501	* *	* *
15	* .9273	* .9294	* .8973	* .7704	* F-SUB-Q			
	* 2.1342	* 2.1336	* 2.2371	* 2.6675	* M-SUB-Q			

AT 100% POWER, 465 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1780	* 1.3055	* 1.2663	* 1.3198	* 1.5432	* 1.2757	* 1.5593	* .9225 *
	* 1.7893	* 1.6173	* 1.6615	* 1.5617	* 1.3278	* 1.5860	* 1.2930	* 2.1731 *
9	* 1.3055	* 1.5256	* 1.2856	* 1.5433	* 1.3536	* 1.3556	* 1.5624	* .9243 *
	* 1.6173	* 1.3841	* 1.6336	* 1.3470	* 1.5321	* 1.5004	* 1.2951	* 2.1698 *
10	* 1.2663	* 1.2856	* 1.3609	* 1.4015	* 1.5454	* 1.3693	* 1.5548	* .8949 *
	* 1.6614	* 1.6335	* 1.5530	* 1.5066	* 1.3634	* 1.5290	* 1.3252	* 2.2671 *
11	* 1.3198	* 1.5434	* 1.4011	* 1.5714	* 1.3465	* 1.5542	* 1.4366	* .8101 *
	* 1.5617	* 1.3470	* 1.5070	* 1.3382	* 1.5601	* 1.3450	* 1.4530	* 2.5597 *
12	* 1.5432	* 1.3536	* 1.5454	* 1.3463	* 1.3390	* 1.5182	* 1.0029	* *
	* 1.3278	* 1.5321	* 1.3634	* 1.5604	* 1.5519	* 1.3616	* 2.0710	* *
13	* 1.2757	* 1.3558	* 1.3686	* 1.5540	* 1.5180	* 1.0514	* .6581	* *
	* 1.5860	* 1.5000	* 1.5295	* 1.3451	* 1.3618	* 1.9604	* 3.1310	* *
14	* 1.5593	* 1.5629	* 1.5542	* 1.4350	* 1.0018	* .6576	* *	* *
	* 1.2930	* 1.2947	* 1.3258	* 1.4546	* 2.0732	* 3.1335	* *	* *
15	* .9237	* .9269	* .8944	* .7688	* F-SUB-Q			
	* 2.1702	* 2.1636	* 2.2683	* 2.6978	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1657	* 1.2938	* 1.2530	* 1.3073	* 1.5372	* 1.2641	* 1.5581	* .9084
	* 1.8236	* 1.6440	* 1.6968	* 1.5990	* 1.3520	* 1.6235	* 1.3119	* 2.2359
9	* 1.2938	* 1.5221	* 1.2717	* 1.5382	* 1.3415	* 1.3448	* 1.5611	* .9076
	* 1.6440	* 1.3952	* 1.6701	* 1.3687	* 1.5675	* 1.5334	* 1.3135	* 2.2415
10	* 1.2531	* 1.2717	* 1.3426	* 1.3897	* 1.5406	* 1.3594	* 1.5533	* .8775
	* 1.6967	* 1.6701	* 1.5816	* 1.5253	* 1.3736	* 1.5478	* 1.3413	* 2.3420
11	* 1.3073	* 1.5382	* 1.3893	* 1.5665	* 1.3327	* 1.5491	* 1.4324	* .7929
	* 1.5990	* 1.3687	* 1.5258	* 1.3509	* 1.5883	* 1.3591	* 1.4638	* 2.6362
12	* 1.5372	* 1.3415	* 1.5406	* 1.3325	* 1.3262	* 1.5140		* .9824
	* 1.3520	* 1.5676	* 1.3736	* 1.5886	* 1.5874	* 1.3825		* 2.1370
13	* 1.2641	* 1.3450	* 1.3588	* 1.5490	* 1.5139	* 1.0305		* .6412
	* 1.6235	* 1.5329	* 1.5485	* 1.3592	* 1.3826	* 2.0260		* 3.2562
14	* 1.5581	* 1.5617	* 1.5527	* 1.4310	* .9814	* .6407		
	* 1.3119	* 1.3130	* 1.3419	* 1.4653	* 2.1392	* 3.2586		
15	* .9096	* .9103	* .8772	* .7511	* F-SUB-Q			
	* 2.2329	* 2.2349	* 2.3428	* 2.7831	* M-SUB-Q			

AT 100% POWER, 465 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1536	* 1.2814	* 1.2398	* 1.2938	* 1.5258	* 1.2520	* 1.5497	* .9003
	* 1.8618	* 1.6779	* 1.7324	* 1.6433	* 1.3859	* 1.6684	* 1.3418	* 2.2963
9	* 1.2814	* 1.5128	* 1.2579	* 1.5274	* 1.3279	* 1.3322	* 1.5525	* .8987
	* 1.6779	* 1.4195	* 1.7066	* 1.3973	* 1.6064	* 1.5740	* 1.3428	* 2.3037
10	* 1.2399	* 1.2578	* 1.3285	* 1.3762	* 1.5299	* 1.3470	* 1.5446	* .8680
	* 1.7323	* 1.7067	* 1.6190	* 1.5599	* 1.4003	* 1.5813	* 1.3654	* 2.4045
11	* 1.2938	* 1.5274	* 1.3758	* 1.5554	* 1.3180	* 1.5381	* 1.4228	* .7834
	* 1.6433	* 1.3972	* 1.5604	* 1.3760	* 1.6233	* 1.3830	* 1.4900	* 2.6912
12	* 1.5258	* 1.3279	* 1.5298	* 1.3178	* 1.3119	* 1.5035		* .9720
	* 1.3859	* 1.6065	* 1.4003	* 1.6236	* 1.6184	* 1.4049		* 2.1783
13	* 1.2520	* 1.3325	* 1.3465	* 1.5380	* 1.5034	* 1.0190		* .6313
	* 1.6684	* 1.5734	* 1.5819	* 1.3831	* 1.4050	* 2.0716		* 3.3357
14	* 1.5497	* 1.5531	* 1.5442	* 1.4215	* .9710			* .6309
	* 1.3418	* 1.3423	* 1.3657	* 1.4914	* 2.1804	* 3.3381		
15	* .9015	* .9014	* .8678	* .7423	* F-SUB-Q			
	* 2.2933	* 2.2966	* 2.4052	* 2.8407	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1483	* 1.2766	* 1.2334	* 1.2872	* 1.5240	* 1.2457	* 1.5504	* .8941
	* 1.9137	* 1.7211	* 1.7706	* 1.6865	* 1.4177	* 1.7139	* 1.3704	* 2.3634
9	* 1.2766	* 1.5141	* 1.2508	* 1.5261	* 1.3214	* 1.3264	* 1.5531	* .8886
	* 1.7211	* 1.4469	* 1.7454	* 1.4238	* 1.6439	* 1.6144	* 1.3705	* 2.3809
10	* 1.2335	* 1.2508	* 1.3219	* 1.3702	* 1.5284	* 1.3415	* 1.5449	* .8574
	* 1.7704	* 1.7455	* 1.6524	* 1.5948	* 1.4274	* 1.6107	* 1.3877	* 2.4821
11	* 1.2872	* 1.5261	* 1.3698	* 1.5540	* 1.3105	* 1.5363	* 1.4212	* .7727
	* 1.6865	* 1.4237	* 1.5953	* 1.4059	* 1.6665	* 1.4125	* 1.5189	* 2.7684
12	* 1.5240	* 1.3213	* 1.5285	* 1.3103	* 1.3051	* 1.5024	* .9593	*
	* 1.4177	* 1.6440	* 1.4274	* 1.6668	* 1.6623	* 1.4342	* 2.2501	*
13	* 1.2457	* 1.3267	* 1.3410	* 1.5362	* 1.5022	* 1.0069	* .6211	*
	* 1.7139	* 1.6139	* 1.6113	* 1.4125	* 1.4343	* 2.1384	* 3.4540	*
14	* 1.5504	* 1.5537	* 1.5446	* 1.4200	* .9585	* .6207	*	*
	* 1.3704	* 1.3700	* 1.3880	* 1.5203	* 2.2522	* 3.4564	*	*
15	* .8953	* .8914	* .8572	* .7356	* F-SUB-Q			
	* 2.3602	* 2.3735	* 2.4826	* 2.9082	* M-SUB-Q			

AT 100% POWER, 465 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1351	* 1.2629	* 1.2204	* 1.2718	* 1.5036	* 1.2330	* 1.5305	* .8954
	* 1.9828	* 1.7784	* 1.8326	* 1.7520	* 1.4754	* 1.7789	* 1.4255	* 2.4258
9	* 1.2629	* 1.4946	* 1.2375	* 1.5059	* 1.3057	* 1.3118	* 1.5333	* .8984
	* 1.7784	* 1.4970	* 1.8070	* 1.4789	* 1.7053	* 1.6743	* 1.4247	* 2.4184
10	* 1.2205	* 1.2374	* 1.3219	* 1.3537	* 1.5076	* 1.3261	* 1.5247	* .8670
	* 1.8324	* 1.8071	* 1.6927	* 1.6492	* 1.4777	* 1.6643	* 1.4390	* 2.5153
11	* 1.2718	* 1.5059	* 1.3533	* 1.5331	* 1.2944	* 1.5154	* 1.4015	* .7810
	* 1.7520	* 1.4789	* 1.6497	* 1.4549	* 1.7245	* 1.4623	* 1.5701	* 2.7986
12	* 1.5036	* 1.3056	* 1.5077	* 1.2942	* 1.2910	* 1.4810	* .9729	*
	* 1.4754	* 1.7054	* 1.4777	* 1.7248	* 1.7319	* 1.4961	* 2.2711	*
13	* 1.2330	* 1.3121	* 1.3256	* 1.5153	* 1.4809	* 1.0162	* .6271	*
	* 1.7789	* 1.6737	* 1.6649	* 1.4623	* 1.4962	* 2.1794	* 3.5155	*
14	* 1.5306	* 1.5339	* 1.5244	* 1.4003	* .9720	* .6266	*	*
	* 1.4255	* 1.4241	* 1.4393	* 1.5715	* 2.2732	* 3.5179	*	*
15	* .8966	* .9012	* .8669	* .7433	* F-SUB-Q			
	* 2.4225	* 2.4107	* 2.5156	* 2.9410	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1407	* 1.2707	* 1.2250	* 1.2780	* 1.5202	* 1.2375	* 1.5505	* .8906
	* 2.0283	* 1.8178	* 1.8830	* 1.7994	* 1.5069	* 1.8301	* 1.4527	* 2.5158
9	* 1.2707	* 1.5156	* 1.2417	* 1.5233	* 1.3122	* 1.3183	* 1.5532	* .8849
	* 1.8178	* 1.5198	* 1.8575	* 1.5086	* 1.7510	* 1.7192	* 1.4511	* 2.5339
10	* 1.2251	* 1.2416	* 1.3128	* 1.3616	* 1.5250	* 1.3340	* 1.5445	* .8527
	* 1.8828	* 1.8576	* 1.7551	* 1.6890	* 1.5047	* 1.7032	* 1.4637	* 2.6350
11	* 1.2780	* 1.5233	* 1.3612	* 1.5506	* 1.2991	* 1.5323	* 1.4177	* .7668
	* 1.7994	* 1.5086	* 1.6896	* 1.4806	* 1.7673	* 1.4868	* 1.5961	* 2.9337
12	* 1.5202	* 1.3121	* 1.5250	* 1.2988	* 1.2947	* 1.4990	* .9543	*
	* 1.5069	* 1.7511	* 1.5047	* 1.7676	* 1.7680	* 1.5151	* 2.3756	*
13	* 1.2375	* 1.3186	* 1.3336	* 1.5323	* 1.4989	* 1.0005	* .6136	*
	* 1.8301	* 1.7185	* 1.7037	* 1.4869	* 1.5152	* 2.2712	* 3.6750	*
14	* 1.5506	* 1.5538	* 1.5443	* 1.4166	* .9535	* .6132	*	*
	* 1.4526	* 1.4505	* 1.4639	* 1.5974	* 2.3777	* 3.6774	*	*
15	* .8918	* .8878	* .8526	* .7306	* F-SUB-Q			
	* 2.5123	* 2.5256	* 2.6353	* 3.0794	* M-SUB-Q			

AT 100% POWER, 465 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1408	* 1.2716	* 1.2248	* 1.2773	* 1.5226	* 1.2372	* 1.5546	* .8917
	* 2.1016	* 1.8824	* 1.9539	* 1.8681	* 1.5615	* 1.8995	* 1.5030	* 2.6060
9	* 1.2716	* 1.5202	* 1.2410	* 1.5261	* 1.3116	* 1.3181	* 1.5571	* .8865
	* 1.8824	* 1.5706	* 1.9284	* 1.5626	* 1.8171	* 1.7830	* 1.5010	* 2.6229
10	* 1.2249	* 1.2408	* 1.3140	* 1.3617	* 1.5275	* 1.3340	* 1.5482	* .8535
	* 1.9538	* 1.9286	* 1.8203	* 1.7519	* 1.5574	* 1.7647	* 1.5118	* 2.7261
11	* 1.2773	* 1.5261	* 1.3610	* 1.5533	* 1.2974	* 1.5345	* 1.4200	* .7669
	* 1.8680	* 1.5626	* 1.7525	* 1.5322	* 1.8337	* 1.5378	* 1.6502	* 3.0351
12	* 1.5225	* 1.3115	* 1.5275	* 1.2972	* 1.2935	* 1.5015	* .9558	*
	* 1.5615	* 1.8173	* 1.5574	* 1.8340	* 1.8310	* 1.5640	* 2.4532	*
13	* 1.2372	* 1.3185	* 1.3336	* 1.5345	* 1.5014	* 1.0012	* .6125	*
	* 1.8995	* 1.7822	* 1.7652	* 1.5378	* 1.5641	* 2.3445	* 3.8004	*
14	* 1.5546	* 1.5578	* 1.5480	* 1.4189	* .9550	* .6121	*	*
	* 1.5030	* 1.5003	* 1.5120	* 1.6514	* 2.4553	* 3.8029	*	*
15	* .8929	* .8894	* .8535	* .7270	* F-SUB-Q			
	* 2.6024	* 2.6143	* 2.7262	* 3.2021	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1362	* 1.2672	* 1.2206	* 1.2714	* 1.5143	* 1.2333	* 1.5471	* .8972
	* 2.0457	* 1.8320	* 1.8843	* 1.8089	* 1.5236	* 1.8635	* 1.4928	* 2.5344
9	* 1.2672	* 1.5131	* 1.2366	* 1.5179	* 1.3055	* 1.3138	* 1.5496	* .8983
	* 1.8321	* 1.5356	* 1.8635	* 1.5253	* 1.7681	* 1.7546	* 1.4923	* 2.5415
10	* 1.2207	* 1.2364	* 1.3232	* 1.3557	* 1.5188	* 1.3282	* 1.5402	* .8649
	* 1.8841	* 1.8637	* 1.7522	* 1.7122	* 1.5355	* 1.7510	* 1.5081	* 2.6465
11	* 1.2714	* 1.5179	* 1.3550	* 1.5447	* 1.2914	* 1.5258	* 1.4116	* .7768
	* 1.8088	* 1.5254	* 1.7130	* 1.5135	* 1.8067	* 1.5342	* 1.6512	* 2.9528
12	* 1.5143	* 1.3054	* 1.5188	* 1.2911	* 1.2896	* 1.4923	* .9710	*
	* 1.5236	* 1.7682	* 1.5355	* 1.8070	* 1.8195	* 1.5787	* 2.3984	*
13	* 1.2333	* 1.3142	* 1.3278	* 1.5258	* 1.4922	* 1.0131	* .6198	*
	* 1.8635	* 1.7539	* 1.7515	* 1.5342	* 1.5788	* 2.3165	* 3.7343	*
14	* 1.5471	* 1.5503	* 1.5401	* 1.4106	* .9702	* .6194	*	*
	* 1.4928	* 1.4917	* 1.5083	* 1.6523	* 2.4003	* 3.7366	*	*
15	* .8984	* .9013	* .8649	* .7398	* F-SUB-Q			
	* 2.5309	* 2.5333	* 2.6465	* 3.0996	* M-SUB-Q			

AT 100% POWER, 465 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1463	* 1.2799	* 1.2300	* 1.2827	* 1.5365	* 1.2428	* 1.5734	* .8970
	* 1.9572	* 1.7488	* 1.8029	* 1.7282	* 1.4470	* 1.7821	* 1.4141	* 2.4527
9	* 1.2799	* 1.5402	* 1.2457	* 1.5412	* 1.3174	* 1.3253	* 1.5759	* .8890
	* 1.7488	* 1.4542	* 1.7831	* 1.4474	* 1.6882	* 1.6756	* 1.4136	* 2.4754
10	* 1.2301	* 1.2456	* 1.3189	* 1.3691	* 1.5420	* 1.3416	* 1.5664	* .8545
	* 1.8027	* 1.7833	* 1.6918	* 1.6329	* 1.4562	* 1.6684	* 1.4277	* 2.5807
11	* 1.2827	* 1.5412	* 1.3684	* 1.5683	* 1.3005	* 1.5487	* 1.4339	* .7661
	* 1.7282	* 1.4475	* 1.6337	* 1.4353	* 1.7269	* 1.4549	* 1.5581	* 2.8820
12	* 1.5365	* 1.3172	* 1.5420	* 1.3003	* 1.2977	* 1.5165	* .9568	*
	* 1.4470	* 1.6883	* 1.4562	* 1.7273	* 1.7479	* 1.4957	* 2.3415	*
13	* 1.2428	* 1.3257	* 1.3413	* 1.5487	* 1.5164	* 1.0021	* .6091	*
	* 1.7821	* 1.6749	* 1.6688	* 1.4549	* 1.4958	* 2.2540	* 3.6537	*
14	* 1.5735	* 1.5766	* 1.5663	* 1.4329	* .9561	* .6087	*	*
	* 1.4141	* 1.4130	* 1.4278	* 1.5650	* 2.3432	* 3.6558	*	*
15	* .8982	* .8920	* .8546	* .7308	* F-SUB-Q			
	* 2.4493	* 2.4672	* 2.5805	* 3.0204	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.1529	* 1.2884	* 1.2368	* 1.2901	* 1.5497	* 1.2500	* 1.5893	* .9021
	* 1.8919	* 1.6889	* 1.7426	* 1.6697	* 1.3938	* 1.7210	* 1.3594	* 2.3683

9	* 1.2884	* 1.5563	* 1.2522	* 1.5550	* 1.3250	* 1.3333	* 1.5917	* .8916
	* 1.6889	* 1.3987	* 1.7237	* 1.3934	* 1.6305	* 1.6174	* 1.3588	* 2.3967

10	* 1.2369	* 1.2520	* 1.3250	* 1.3777	* 1.5557	* 1.3502	* 1.5819	* .8563
	* 1.7424	* 1.7239	* 1.6344	* 1.5759	* 1.4012	* 1.6085	* 1.3718	* 2.4999

11	* 1.2901	* 1.5550	* 1.3770	* 1.5823	* 1.3069	* 1.5620	* 1.4526	* .7667
	* 1.6697	* 1.3935	* 1.5767	* 1.3809	* 1.6680	* 1.3991	* 1.4971	* 2.7935

12	* 1.5497	* 1.3249	* 1.5557	* 1.3067	* 1.3045	* 1.5304	* .9587	*
	* 1.3938	* 1.6306	* 1.4011	* 1.6683	* 1.6872	* 1.4368	* 2.2657	*

13	* 1.2500	* 1.3338	* 1.3499	* 1.5620	* 1.5303	* 1.0042	* .6081	*
	* 1.7210	* 1.6167	* 1.6089	* 1.3990	* 1.4369	* 2.1804	* 3.5453	*

14	* 1.5893	* 1.5924	* 1.5818	* 1.4516	* .9580	* .6077	*	*
	* 1.3594	* 1.3582	* 1.3719	* 1.4980	* 2.2673	* 3.5473	*	*

15	* .9034	* .8947	* .8564	* .7315	* F-SUB-Q			
	* 2.3650	* 2.3886	* 2.4997	* 2.9274	* M-SUB-Q			

AT 100% POWER, 465 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.1604	* 1.2978	* 1.2456	* 1.2982	* 1.5622	* 1.2583	* 1.6032	* .9102
	* 1.8383	* 1.6392	* 1.6928	* 1.6223	* 1.3512	* 1.6701	* 1.3158	* 2.2926

9	* 1.2978	* 1.5710	* 1.2605	* 1.5680	* 1.3335	* 1.3427	* 1.6057	* .9011
	* 1.6392	* 1.3542	* 1.6743	* 1.3503	* 1.5831	* 1.5684	* 1.3150	* 2.3160

10	* 1.2457	* 1.2603	* 1.3377	* 1.3874	* 1.5682	* 1.3593	* 1.5956	* .8651
	* 1.6927	* 1.6745	* 1.5845	* 1.5287	* 1.3571	* 1.5592	* 1.3273	* 2.4158

11	* 1.2983	* 1.5679	* 1.3866	* 1.5952	* 1.3145	* 1.5743	* 1.4637	* .7741
	* 1.6222	* 1.3503	* 1.5296	* 1.3372	* 1.6189	* 1.3541	* 1.4489	* 2.6996

12	* 1.5622	* 1.3334	* 1.5683	* 1.3142	* 1.3123	* 1.5425	* .9691	*
	* 1.3512	* 1.5832	* 1.3571	* 1.6192	* 1.6363	* 1.3895	* 2.1852	*

13	* 1.2583	* 1.3432	* 1.3591	* 1.5744	* 1.5425	* 1.0140	* .6130	*
	* 1.6701	* 1.5677	* 1.5595	* 1.3540	* 1.3895	* 2.1043	* 3.4267	*

14	* 1.6033	* 1.6065	* 1.5955	* 1.4629	* .9685	* .6127	*	*
	* 1.3158	* 1.3144	* 1.3273	* 1.4498	* 2.1866	* 3.4286	*	*

15	* .9114	* .9043	* .8652	* .7389	* F-SUB-Q			
	* 2.2894	* 2.3079	* 2.4154	* 2.8275	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1685	* 1.3057	* 1.2539	* 1.3053	* 1.5692	* 1.2667	* 1.6107	* .9279 *
	* 1.8650	* 1.6673	* 1.7227	* 1.6524	* 1.3770	* 1.6973	* 1.3391	* 2.3000 *
9	* 1.3057	* 1.5780	* 1.2686	* 1.5750	* 1.3409	* 1.3516	* 1.6130	* .9223 *
	* 1.6673	* 1.3796	* 1.7035	* 1.3757	* 1.6116	* 1.5940	* 1.3382	* 2.3138 *
10	* 1.2540	* 1.2684	* 1.3630	* 1.3955	* 1.5752	* 1.3670	* 1.6025	* .8857 *
	* 1.7225	* 1.7038	* 1.5914	* 1.5550	* 1.3814	* 1.5842	* 1.3501	* 2.4119 *
11	* 1.3053	* 1.5750	* 1.3948	* 1.6025	* 1.3258	* 1.5811	* 1.4694	* .7923 *
	* 1.6523	* 1.3757	* 1.5559	* 1.3606	* 1.6405	* 1.3767	* 1.4734	* 2.6942 *
12	* 1.5692	* 1.3407	* 1.5752	* 1.3255	* 1.3232	* 1.5483	* .9951 *	
	* 1.3770	* 1.6117	* 1.3814	* 1.6408	* 1.6511	* 1.4114	* 2.1716 *	
13	* 1.2667	* 1.3521	* 1.3667	* 1.5812	* 1.5482	* 1.0368	* .6272 *	
	* 1.6973	* 1.5933	* 1.5844	* 1.3766	* 1.4115	* 2.0980	* 3.4153 *	
14	* 1.6107	* 1.6138	* 1.6025	* 1.4686	* .9945	* .6269 *		
	* 1.3391	* 1.3376	* 1.3501	* 1.4742	* 2.1729	* 3.4171 *		
15	* .9292	* .9257	* .8859	* .7553	* F-SUB-Q			
	* 2.2967	* 2.3057	* 2.4114	* 2.8257	* M-SUB-Q			

AT 100% POWER, 465 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1902	* 1.3335	* 1.2781	* 1.3319	* 1.6116	* 1.2909	* 1.6574	* .9340 *
	* 1.8089	* 1.6141	* 1.6744	* 1.6039	* 1.3275	* 1.6479	* 1.2868	* 2.2592 *
9	* 1.3335	* 1.6251	* 1.2924	* 1.6188	* 1.3687	* 1.3789	* 1.6598	* .9209 *
	* 1.6141	* 1.3256	* 1.6559	* 1.3251	* 1.5630	* 1.5451	* 1.2858	* 2.2918 *
10	* 1.2782	* 1.2922	* 1.3704	* 1.4260	* 1.6191	* 1.3967	* 1.6492	* .8829 *
	* 1.6743	* 1.6562	* 1.5661	* 1.5057	* 1.3289	* 1.5318	* 1.2963	* 2.3916 *
11	* 1.3320	* 1.6187	* 1.4252	* 1.6472	* 1.3477	* 1.6245	* 1.5111	* .7883 *
	* 1.6039	* 1.3251	* 1.5066	* 1.3084	* 1.5951	* 1.3230	* 1.4144	* 2.6747 *
12	* 1.6116	* 1.3685	* 1.6191	* 1.3473	* 1.3465	* 1.5930	* .9893 *	
	* 1.3275	* 1.5631	* 1.3289	* 1.5954	* 1.6018	* 1.3515	* 2.1551 *	
13	* 1.2909	* 1.3796	* 1.3965	* 1.6247	* 1.5929	* 1.0355	* .6224 *	
	* 1.6479	* 1.5443	* 1.5320	* 1.3229	* 1.3516	* 2.0685	* 3.3921 *	
14	* 1.6574	* 1.6606	* 1.6493	* 1.5103	* .9887	* .6221 *		
	* 1.2868	* 1.2852	* 1.2963	* 1.4151	* 2.1564	* 3.3939 *		
15	* .9353	* .9242	* .8830	* .7524	* F-SUB-Q			
	* 2.2561	* 2.2836	* 2.3911	* 2.8018	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2103	* 1.3577	* 1.3003	* 1.3549	* 1.6426	* 1.3134	* 1.6906	* .9507 *
	* 1.7336	* 1.5477	* 1.6101	* 1.5425	* 1.2742	* 1.5869	* 1.2361	* 2.1777 *
9	* 1.3577	* 1.6578	* 1.3149	* 1.6504	* 1.3927	* 1.4040	* 1.6930	* .9365 *
	* 1.5477	* 1.2693	* 1.5917	* 1.2707	* 1.5025	* 1.4867	* 1.2349	* 2.2109 *
10	* 1.3004	* 1.3146	* 1.3956	* 1.4525	* 1.6510	* 1.4225	* 1.6824	* .8976 *
	* 1.6100	* 1.5920	* 1.5032	* 1.4450	* 1.2736	* 1.4721	* 1.2444	* 2.3076 *
11	* 1.3549	* 1.6503	* 1.4517	* 1.6800	* 1.3714	* 1.6565	* 1.5407	* .8010 *
	* 1.5425	* 1.2707	* 1.4458	* 1.2532	* 1.5316	* 1.2683	* 1.3577	* 2.5826 *
12	* 1.6426	* 1.3926	* 1.6510	* 1.3711	* 1.3707	* 1.6248	* 1.0063 *	
	* 1.2742	* 1.5027	* 1.2735	* 1.5319	* 1.5341	* 1.2943	* 2.0732 *	
13	* 1.3134	* 1.4046	* 1.4222	* 1.6567	* 1.6247	* 1.0538	* .6319 *	
	* 1.5869	* 1.4859	* 1.4723	* 1.2682	* 1.2943	* 1.9861	* 3.2758 *	
14	* 1.6906	* 1.6939	* 1.6824	* 1.5399	* 1.0057	* .6315 *		
	* 1.2360	* 1.2343	* 1.2444	* 1.3584	* 2.0744	* 3.2777 *		
15	* .9520	* .9400	* .8978	* .7644	* F-SUB-Q			
	* 2.1746	* 2.2029	* 2.3072	* 2.7056	* M-SUB-Q			

AT 100% POWER, 465 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2288	* 1.3742	* 1.3167	* 1.3696	* 1.6542	* 1.3298	* 1.7008	* .9762 *
	* 1.6766	* 1.5003	* 1.5627	* 1.4994	* 1.2425	* 1.5388	* 1.2053	* 2.0816 *
9	* 1.3742	* 1.6678	* 1.3319	* 1.6616	* 1.4082	* 1.4220	* 1.7036	* .9687 *
	* 1.5003	* 1.2380	* 1.5436	* 1.2391	* 1.4592	* 1.4412	* 1.2038	* 2.0978 *
10	* 1.3168	* 1.3317	* 1.4350	* 1.4699	* 1.6623	* 1.4391	* 1.6932	* .9297 *
	* 1.5625	* 1.5438	* 1.4351	* 1.4014	* 1.2405	* 1.4266	* 1.2121	* 2.1856 *
11	* 1.3696	* 1.6616	* 1.4690	* 1.6922	* 1.3916	* 1.6689	* 1.5441	* .8302 *
	* 1.4993	* 1.2392	* 1.4022	* 1.2197	* 1.4806	* 1.2332	* 1.3270	* 2.4426 *
12	* 1.6542	* 1.4081	* 1.6623	* 1.3913	* 1.3932	* 1.6354	* 1.0463 *	
	* 1.2425	* 1.4594	* 1.2405	* 1.4809	* 1.4779	* 1.2577	* 1.9524 *	
13	* 1.3298	* 1.4226	* 1.4388	* 1.6691	* 1.6353	* 1.0919	* .6560 *	
	* 1.5388	* 1.4405	* 1.4268	* 1.2331	* 1.2577	* 1.8747	* 3.0884 *	
14	* 1.7008	* 1.7045	* 1.6931	* 1.5431	* 1.0456	* .6556 *		
	* 1.2053	* 1.2032	* 1.2121	* 1.3278	* 1.9538	* 3.0902 *		
15	* .9776	* .9723	* .9299	* .7912	* F-SUB-Q			
	* 2.0787	* 2.0902	* 2.1853	* 2.5627	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2458	* 1.4011	* 1.3391	* 1.3932	* 1.6857	* 1.3499	* 1.7324	* .9755
	* 1.6272	* 1.4492	* 1.5142	* 1.4528	* 1.2013	* 1.4930	* 1.1647	* 2.0509
9	* 1.4011	* 1.7018	* 1.3549	* 1.6933	* 1.4332	* 1.4463	* 1.7359	* .9619
	* 1.4492	* 1.1947	* 1.4955	* 1.1978	* 1.4127	* 1.3952	* 1.1626	* 2.0803
10	* 1.3392	* 1.3547	* 1.4393	* 1.4986	* 1.6942	* 1.4663	* 1.7261	* .9225
	* 1.5140	* 1.4957	* 1.4096	* 1.3538	* 1.1981	* 1.3775	* 1.1695	* 2.1684
11	* 1.3932	* 1.6933	* 1.4978	* 1.7258	* 1.4135	* 1.7019	* 1.5735	* .8236
	* 1.4528	* 1.1978	* 1.3545	* 1.1770	* 1.4339	* 1.1891	* 1.2803	* 2.4229
12	* 1.6857	* 1.4330	* 1.6943	* 1.4132	* 1.4143	* 1.6693	* 1.0354	*
	* 1.2013	* 1.4129	* 1.1981	* 1.4342	* 1.4311	* 1.2104	* 1.9397	*
13	* 1.3499	* 1.4469	* 1.4659	* 1.7020	* 1.6692	* 1.0901	* .6505	*
	* 1.4930	* 1.3947	* 1.3779	* 1.1891	* 1.2105	* 1.8452	* 3.0618	*
14	* 1.7324	* 1.7367	* 1.7259	* 1.5723	* 1.0346	* .6501	*	*
	* 1.1647	* 1.1621	* 1.1697	* 1.2812	* 1.9413	* 3.0637	*	*
15	* .9769	* .9654	* .9225	* .7853	* F-SUB-Q			
	* 2.0481	* 2.0729	* 2.1685	* 2.5410	* M-SUB-Q			

AT 100% POWER, 465 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2235	* 1.3777	* 1.3142	* 1.3651	* 1.6356	* 1.3204	* 1.6744	* .9482
	* 1.6361	* 1.4548	* 1.5235	* 1.4646	* 1.2222	* 1.5065	* 1.1882	* 2.0815
9	* 1.3777	* 1.6509	* 1.3297	* 1.6406	* 1.4031	* 1.4166	* 1.6787	* .9333
	* 1.4548	* 1.2153	* 1.5049	* 1.2202	* 1.4247	* 1.4055	* 1.1854	* 2.1152
10	* 1.3145	* 1.3295	* 1.4158	* 1.4718	* 1.6412	* 1.4353	* 1.6700	* .8973
	* 1.5232	* 1.5051	* 1.4143	* 1.3608	* 1.2195	* 1.3879	* 1.1916	* 2.1992
11	* 1.3651	* 1.6406	* 1.4710	* 1.6741	* 1.3874	* 1.6508	* 1.5294	* .8028
	* 1.4645	* 1.2202	* 1.3615	* 1.1967	* 1.4414	* 1.2085	* 1.2982	* 2.4515
12	* 1.6356	* 1.4030	* 1.6412	* 1.3871	* 1.3880	* 1.6198	* 1.0054	*
	* 1.2222	* 1.4249	* 1.2195	* 1.4417	* 1.4377	* 1.2287	* 1.9689	*
13	* 1.3204	* 1.4170	* 1.4347	* 1.6507	* 1.6196	* 1.0692	* .6335	*
	* 1.5065	* 1.4051	* 1.3885	* 1.2086	* 1.2289	* 1.8537	* 3.0996	*
14	* 1.6745	* 1.6794	* 1.6695	* 1.5277	* 1.0044	* .6330	*	*
	* 1.1882	* 1.1849	* 1.1919	* 1.2995	* 1.9709	* 3.1019	*	*
15	* .9495	* .9366	* .8970	* .7632	* F-SUB-Q			
	* 2.0788	* 2.1078	* 2.1998	* 2.5782	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0937	* 1.2318	* 1.1637	* 1.2012	* 1.4193	* 1.1660	* 1.4425	* .8274
	* 1.8077	* 1.6062	* 1.6989	* 1.6439	* 1.3902	* 1.6839	* 1.3597	* 2.3544
9	* 1.2318	* 1.4437	* 1.1725	* 1.4312	* 1.2293	* 1.2593	* 1.4463	* .8227
	* 1.6062	* 1.3707	* 1.6853	* 1.3805	* 1.6060	* 1.5603	* 1.3563	* 2.3677
10	* 1.1638	* 1.1723	* 1.2720	* 1.3135	* 1.4429	* 1.2723	* 1.4388	* .7822
	* 1.6986	* 1.6856	* 1.5542	* 1.5049	* 1.3691	* 1.5442	* 1.3631	* 2.4894
11	* 1.2012	* 1.4312	* 1.3131	* 1.4592	* 1.2363	* 1.4299	* 1.3287	* .7067
	* 1.6438	* 1.3805	* 1.5054	* 1.3545	* 1.5967	* 1.3759	* 1.4734	* 2.7487
12	* 1.4193	* 1.2292	* 1.4429	* 1.2361	* 1.2432	* 1.4027		* .8723
	* 1.3902	* 1.6062	* 1.3691	* 1.5970	* 1.5836	* 1.3986		* 2.2386
13	* 1.1660	* 1.2595	* 1.2716	* 1.4297	* 1.4023	* .9458	* .5533	
	* 1.6839	* 1.5600	* 1.5451	* 1.3761	* 1.3990	* 2.0669	* 3.5041	
14	* 1.4425	* 1.4469	* 1.4381	* 1.3268	* .8711	* .5528		
	* 1.3597	* 1.3558	* 1.3638	* 1.4755	* 2.2416	* 3.5068		
15	* .8283	* .8247	* .7818	* .6679	F-SUB-Q			
	* 2.3519	* 2.3621	* 2.4908	* 2.9081	M-SUB-Q			

AT 100% POWER, 465 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .6010	* .6328	* .5978	* .6302	* .7350	* .6199	* .7039	* .4447
	* 3.2462	* 3.0834	* 3.2620	* 3.0889	* 2.6465	* 3.1217	* 2.7460	* 4.3244
9	* .6328	* .7204	* .6172	* .7462	* .6414	* .6424	* .7057	* .4278
	* 3.0834	* 2.7082	* 3.1573	* 2.6099	* 3.0336	* 3.0145	* 2.7391	* 4.4963
10	* .5978	* .6171	* .6588	* .6924	* .7589	* .6488	* .7014	* .4085
	* 3.2618	* 3.1576	* 2.9582	* 2.8138	* 2.5640	* 2.9904	* 2.7552	* 4.7065
11	* .6302	* .7462	* .6922	* .7621	* .6573	* .7372	* .6729	* .3673
	* 3.0888	* 2.6100	* 2.8144	* 2.5555	* 2.9588	* 2.6295	* 2.8684	* 5.2254
12	* .7350	* .6413	* .7589	* .6572	* .6398	* .6875	* .4644	
	* 2.6465	* 3.0339	* 2.5641	* 2.9593	* 3.0330	* 2.8128	* 4.1486	
13	* .6199	* .6424	* .6486	* .7370	* .6872	* .4966	* .2986	
	* 3.1217	* 3.0143	* 2.9914	* 2.6303	* 2.8138	* 3.8827	* 6.4185	
14	* .7039	* .7059	* .7009	* .6715	* .4637			* .2983
	* 2.7460	* 2.7383	* 2.7572	* 2.8741	* 4.1552			* 6.4254
15	* .4452	* .4289	* .4082	* .3484	F-SUB-Q			
	* 4.3208	* 4.4845	* 4.7099	* 5.5083	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .3903 *	* .4933 *	* .4800 *	* .5061 *	* .5687 *	* .4823 *	* .4763 *	* .2847 *
	* 4.1465 *	* 4.1459 *	* 4.2159 *	* 3.9488 *	* 3.5074 *	* 4.1392 *	* 4.2388 *	* 7.0177 *
9	* .4933 *	* .5485 *	* .4994 *	* .5674 *	* .5013 *	* .4707 *	* .4751 *	* .2709 *
	* 4.1459 *	* 3.7423 *	* 4.0873 *	* 3.5364 *	* 3.9887 *	* 4.2393 *	* 4.2509 *	* 7.3799 *
10	* .4800 *	* .4994 *	* .5091 *	* .5147 *	* .5332 *	* .4598 *	* .4538 *	* .2539 *
	* 4.2158 *	* 4.0873 *	* 4.0352 *	* 3.9571 *	* 3.7537 *	* 4.3283 *	* 4.3606 *	* 7.7463 *
11	* .5061 *	* .5675 *	* .5145 *	* .5375 *	* .4606 *	* .4587 *	* .4072 *	* .2120 *
	* 3.9485 *	* 3.5355 *	* 3.9588 *	* 3.7875 *	* 4.3727 *	* 4.2872 *	* 4.8535 *	* 9.2190 *
12	* .5687 *	* .5013 *	* .5328 *	* .4602 *	* .3507 *	* .3539 *		* .2689 *
	* 3.5074 *	* 3.9883 *	* 3.7564 *	* 4.3763 *	* 4.6758 *	* 4.6923 *		* 6.8879 *
13	* .4823 *	* .4705 *	* .4591 *	* .4574 *	* .3526 *	* .2374 *		* .1436 *
	* 4.1393 *	* 4.2419 *	* 4.3355 *	* 4.2971 *	* 4.7032 *	* 6.2127 *		* 11.6786 *
14	* .4763 *	* .4747 *	* .4521 *	* .4049 *	* .2673 *	* .1432 *		
	* 4.2388 *	* 4.2548 *	* 4.3770 *	* 4.8815 *	* 6.9228 *	* 11.7055 *		
15	* .2848 *	* .2709 *	* .2527 *	* .2020 *	F-SUB-Q			
	* 7.0143 *	* 7.3800 *	* 7.7829 *	* 9.6793 *	M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8392 *	* 1.0869 *	* 1.1056 *	* 1.1256 *	* 1.3000 *	* 1.0733 *	* 1.1771 *	* .6093 *
	* 2.0176 *	* 1.8553 *	* 1.8860 *	* 1.8342 *	* 1.5839 *	* 1.9152 *	* 1.7625 *	* 3.3751 *
9	* 1.0869 *	* 1.2755 *	* 1.1181 *	* 1.2524 *	* 1.1168 *	* 1.0885 *	* 1.1767 *	* .6190 *
	* 1.8553 *	* 1.6492 *	* 1.8716 *	* 1.6544 *	* 1.8437 *	* 1.8891 *	* 1.7487 *	* 3.2992 *
10	* 1.1056 *	* 1.1179 *	* 1.1737 *	* 1.1545 *	* 1.1342 *	* 1.0493 *	* 1.1296 *	* .5821 *
	* 1.8861 *	* 1.8720 *	* 1.7946 *	* 1.8095 *	* 1.8187 *	* 1.9566 *	* 1.8056 *	* 3.4750 *
11	* 1.1256 *	* 1.2523 *	* 1.1542 *	* 1.1678 *	* 1.0091 *	* 1.0737 *	* .9710 *	* .5198 *
	* 1.8342 *	* 1.6541 *	* 1.8099 *	* 1.7831 *	* 2.0552 *	* 1.8738 *	* 2.0978 *	* 3.8815 *
12	* 1.3000 *	* 1.1167 *	* 1.1335 *	* 1.0085 *	* .7915 *	* .8861 *	* .6326 *	
	* 1.5839 *	* 1.8439 *	* 1.8200 *	* 2.0567 *	* 2.0520 *	* 1.9069 *	* 3.0019 *	
13	* 1.0733 *	* 1.0880 *	* 1.0476 *	* 1.0709 *	* .8832 *	* .5557 *	* .3315 *	
	* 1.9152 *	* 1.8900 *	* 1.9599 *	* 1.8776 *	* 1.9104 *	* 2.7183 *	* 5.1996 *	
14	* 1.1771 *	* 1.1759 *	* 1.1257 *	* .9649 *	* .6290 *	* .3305 *		
	* 1.7625 *	* 1.7500 *	* 1.8121 *	* 2.1117 *	* 3.0161 *	* 5.2108 *		
15	* .6098 *	* .6206 *	* .5796 *	* .4835 *	F-SUB-Q			
	* 3.3722 *	* 3.2977 *	* 3.4905 *	* 4.1742 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0106	* 1.3065	* 1.3567	* 1.3408	* 1.3181	* 1.2630	* 1.2724	* .6987
	* 1.7145	* 1.5891	* 1.5762	* 1.5872	* 1.6001	* 1.6646	* 1.6479	* 2.9638
9	* 1.3065	* 1.3660	* 1.3575	* 1.3404	* 1.3375	* 1.3157	* 1.2788	* .7108
	* 1.5891	* 1.5749	* 1.5746	* 1.5874	* 1.5801	* 1.5992	* 1.6381	* 2.9129
10	* 1.3568	* 1.3575	* 1.4146	* 1.3764	* 1.3178	* 1.2732	* 1.2464	* .6778
	* 1.5762	* 1.5746	* 1.5098	* 1.5485	* 1.6088	* 1.6583	* 1.6789	* 3.0526
11	* 1.3408	* 1.3403	* 1.3762	* 1.3002	* 1.1777	* 1.1179	* 1.1976	* .6322
	* 1.5873	* 1.5875	* 1.5488	* 1.6415	* 1.8140	* 1.8664	* 1.7496	* 3.2808
12	* 1.3181	* 1.3373	* 1.3173	* 1.1769	* .9319	* 1.0436	* .7738	*
	* 1.6001	* 1.5803	* 1.6096	* 1.8152	* 1.7509	* 1.6837	* 2.5241	*
13	* 1.2630	* 1.3151	* 1.2718	* 1.1150	* 1.0410	* .6842	* .4167	*
	* 1.6646	* 1.5999	* 1.6602	* 1.8688	* 1.6848	* 2.2858	* 4.2745	*
14	* 1.2724	* 1.2781	* 1.2435	* 1.1902	* .7698	* .4155	*	*
	* 1.6479	* 1.6391	* 1.6830	* 1.7610	* 2.5351	* 4.2841	*	*
15	* .6994	* .7129	* .6752	* .5928	F-SUB-Q			
	* 2.9605	* 2.9045	* 3.0647	* 3.4997	M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1114	* 1.4489	* 1.5017	* 1.4698	* 1.4434	* 1.3778	* 1.4075	* .7346
	* 1.6075	* 1.4802	* 1.4730	* 1.4946	* 1.5065	* 1.5693	* 1.5287	* 2.8890
9	* 1.4489	* 1.5294	* 1.4927	* 1.4870	* 1.4601	* 1.4449	* 1.4163	* .7407
	* 1.4802	* 1.4542	* 1.4777	* 1.4772	* 1.4931	* 1.4988	* 1.5198	* 2.8675
10	* 1.5018	* 1.4927	* 1.5681	* 1.5206	* 1.4668	* 1.4014	* 1.3884	* .7098
	* 1.4729	* 1.4776	* 1.4049	* 1.4480	* 1.4936	* 1.5536	* 1.5575	* 3.0053
11	* 1.4697	* 1.4869	* 1.5202	* 1.4487	* 1.2810	* 1.2619	* 1.3677	* .6799
	* 1.4947	* 1.4773	* 1.4485	* 1.5240	* 1.7168	* 1.7173	* 1.5872	* 3.1584
12	* 1.4434	* 1.4599	* 1.4662	* 1.2802	* 1.0356	* 1.1936	* .8474	*
	* 1.5065	* 1.4933	* 1.4942	* 1.7181	* 1.6289	* 1.5333	* 2.4079	*
13	* 1.3778	* 1.4443	* 1.3994	* 1.2565	* 1.1910	* .7617	* .4592	*
	* 1.5693	* 1.4994	* 1.5559	* 1.7192	* 1.5340	* 2.1741	* 4.0875	*
14	* 1.4075	* 1.4154	* 1.3853	* 1.3600	* .8434	* .4579	*	*
	* 1.5287	* 1.5205	* 1.5612	* 1.5969	* 2.4177	* 4.0964	*	*
15	* .7355	* .7431	* .7074	* .6360	F-SUB-Q			
	* 2.8854	* 2.8586	* 3.0158	* 3.3781	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2092	* 1.5350	* 1.5718	* 1.5314	* 1.5158	* 1.4296	* 1.4761	* .7566 *
	* 1.6041	* 1.4717	* 1.4685	* 1.4911	* 1.4861	* 1.5661	* 1.5102	* 2.9061 *
9	* 1.5350	* 1.6175	* 1.5596	* 1.5670	* 1.5218	* 1.5012	* 1.4888	* .7648 *
	* 1.4717	* 1.4389	* 1.4751	* 1.4602	* 1.4849	* 1.4940	* 1.5001	* 2.8793 *
10	* 1.5719	* 1.5596	* 1.6435	* 1.5979	* 1.5475	* 1.4658	* 1.4683	* .7370 *
	* 1.4684	* 1.4751	* 1.3993	* 1.4398	* 1.4725	* 1.5423	* 1.5276	* 3.0032 *
11	* 1.5314	* 1.5669	* 1.5974	* 1.5325	* 1.3592	* 1.3557	* 1.4730	* .7150 *
	* 1.4911	* 1.4604	* 1.4403	* 1.5073	* 1.7080	* 1.6796	* 1.5401	* 3.1199 *
12	* 1.5158	* 1.5215	* 1.5468	* 1.3584	* 1.1365	* 1.3248	* .9151 *	
	* 1.4861	* 1.4853	* 1.4732	* 1.7093	* 1.6074	* 1.4982	* 2.3719 *	
13	* 1.4296	* 1.5007	* 1.4638	* 1.3502	* 1.3221	* .8517	* .4979 *	
	* 1.5661	* 1.4946	* 1.5446	* 1.6814	* 1.4991	* 2.1509	* 4.0703 *	
14	* 1.4761	* 1.4878	* 1.4652	* 1.4653	* .9111	* .4966 *		
	* 1.5102	* 1.5011	* 1.5311	* 1.5489	* 2.3809	* 4.0788 *		
15	* .7576	* .7674	* .7348	* .6702	* F-SUB-Q			
	* 2.9023	* 2.8696	* 3.0129	* 3.3305	* M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3523	* 1.6092	* 1.6252	* 1.5695	* 1.5577	* 1.4595	* 1.5153	* .7726 *
	* 1.6302	* 1.4928	* 1.4928	* 1.5167	* 1.5031	* 1.5895	* 1.5217	* 2.9445 *
9	* 1.6092	* 1.6744	* 1.6017	* 1.6159	* 1.5627	* 1.5330	* 1.5321	* .7843 *
	* 1.4928	* 1.4581	* 1.4983	* 1.4770	* 1.5075	* 1.5200	* 1.5099	* 2.9057 *
10	* 1.6254	* 1.6016	* 1.6925	* 1.6513	* 1.5984	* 1.5118	* 1.5197	* .7598 *
	* 1.4927	* 1.4984	* 1.4188	* 1.4581	* 1.4891	* 1.5622	* 1.5385	* 3.0280 *
11	* 1.5695	* 1.6157	* 1.6506	* 1.5892	* 1.4277	* 1.4261	* 1.5506	* .7447 *
	* 1.5167	* 1.4773	* 1.4587	* 1.5239	* 1.7287	* 1.6897	* 1.5475	* 3.1474 *
12	* 1.5577	* 1.5620	* 1.5977	* 1.4269	* 1.2907	* 1.4687	* .9815 *	
	* 1.5031	* 1.5079	* 1.4899	* 1.7298	* 1.6295	* 1.5103	* 2.3778 *	
13	* 1.4595	* 1.5320	* 1.5100	* 1.4207	* 1.4661	* .9773	* .5391 *	
	* 1.5895	* 1.5205	* 1.5653	* 1.6932	* 1.5112	* 2.1730	* 4.1288 *	
14	* 1.5153	* 1.5312	* 1.5168	* 1.5431	* .9776	* .5379 *		
	* 1.5217	* 1.5108	* 1.5418	* 1.5558	* 2.3865	* 4.1373 *		
15	* .7736	* .7870	* .7577	* .6999	* F-SUB-Q			
	* 2.9409	* 2.8956	* 3.0368	* 3.3504	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5439	* 1.7088	* 1.6860	* 1.6103	* 1.6027	* 1.4926	* 1.5610	* .7849 *
	* 1.6567	* 1.5128	* 1.5320	* 1.5570	* 1.5339	* 1.6282	* 1.5443	* 3.0263 *
9	* 1.7088	* 1.7442	* 1.6474	* 1.6695	* 1.6070	* 1.5744	* 1.5834	* .7935 *
	* 1.5128	* 1.4890	* 1.5385	* 1.5078	* 1.5441	* 1.5525	* 1.5328	* 3.0036 *
10	* 1.6862	* 1.6471	* 1.7457	* 1.7083	* 1.6539	* 1.5614	* 1.5909	* .7719 *
	* 1.5319	* 1.5388	* 1.4530	* 1.4916	* 1.5186	* 1.5940	* 1.5615	* 3.1356 *
11	* 1.6103	* 1.6691	* 1.7076	* 1.6507	* 1.4837	* 1.4991	* 1.6317	* .7620 *
	* 1.5570	* 1.5082	* 1.4923	* 1.5550	* 1.7474	* 1.7067	* 1.5637	* 3.2588 *
12	* 1.6027	* 1.6063	* 1.6531	* 1.4827	* 1.4815	* 1.6090	* 1.0280	*
	* 1.5339	* 1.5446	* 1.5195	* 1.7488	* 1.6545	* 1.5224	* 2.4341	*
13	* 1.4926	* 1.5734	* 1.5594	* 1.4937	* 1.6064	* 1.0768	* .5695	*
	* 1.6282	* 1.5529	* 1.5969	* 1.7088	* 1.5234	* 2.2294	* 4.2685	*
14	* 1.5610	* 1.5815	* 1.5846	* 1.6242	* 1.0241	* .5683	*	*
	* 1.5443	* 1.5336	* 1.5647	* 1.5709	* 2.4428	* 4.2769	*	*
15	* .7859	* .7956	* .7687	* .7145	F-SUB-Q			
	* 3.0225	* 2.9929	* 3.1438	* 3.4742	M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6091	* 1.7724	* 1.7237	* 1.6344	* 1.6284	* 1.5122	* 1.5878	* .7932 *
	* 1.7085	* 1.5581	* 1.6026	* 1.6291	* 1.5989	* 1.6986	* 1.6020	* 3.1567 *
9	* 1.7724	* 1.8034	* 1.6769	* 1.7020	* 1.6347	* 1.5998	* 1.6160	* .8022 *
	* 1.5581	* 1.5364	* 1.6102	* 1.5727	* 1.6121	* 1.6148	* 1.5901	* 3.1362 *
10	* 1.7238	* 1.6766	* 1.7798	* 1.7455	* 1.6889	* 1.5935	* 1.6395	* .7833 *
	* 1.6024	* 1.6106	* 1.5177	* 1.5567	* 1.5814	* 1.6579	* 1.6195	* 3.2769 *
11	* 1.6344	* 1.7016	* 1.7446	* 1.6898	* 1.5237	* 1.5486	* 1.6874	* .7772 *
	* 1.6291	* 1.5731	* 1.5575	* 1.6212	* 1.7953	* 1.7378	* 1.5938	* 3.4063 *
12	* 1.6284	* 1.6339	* 1.6880	* 1.5227	* 1.5629	* 1.6950	* 1.0655	*
	* 1.5989	* 1.6127	* 1.5824	* 1.7967	* 1.6920	* 1.5519	* 2.4938	*
13	* 1.5122	* 1.5988	* 1.5916	* 1.5432	* 1.6924	* 1.1385	* .5931	*
	* 1.6986	* 1.6153	* 1.6608	* 1.7397	* 1.5530	* 2.2896	* 4.3947	*
14	* 1.5878	* 1.6142	* 1.6332	* 1.6799	* 1.0617	* .5918	*	*
	* 1.6020	* 1.5908	* 1.6226	* 1.6009	* 2.5024	* 4.4032	*	*
15	* .7943	* .8039	* .7799	* .7290	F-SUB-Q			
	* 3.1524	* 3.1248	* 3.2850	* 3.6309	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6444	* 1.8109	* 1.7522	* 1.6553	* 1.6527	* 1.5296	* 1.6137	* .7990 *
	* 1.7889	* 1.6248	* 1.6754	* 1.7189	* 1.6796	* 1.7873	* 1.6750	* 3.3264 *
9	* 1.8109	* 1.8445	* 1.7031	* 1.7318	* 1.6587	* 1.6224	* 1.6462	* .8071 *
	* 1.6248	* 1.5975	* 1.7001	* 1.6535	* 1.6974	* 1.6939	* 1.6628	* 3.3162 *
10	* 1.7524	* 1.7027	* 1.8093	* 1.7770	* 1.7202	* 1.6207	* 1.6802	* .7900 *
	* 1.6753	* 1.7006	* 1.5991	* 1.6343	* 1.6603	* 1.7396	* 1.6919	* 3.4713 *
11	* 1.6553	* 1.7313	* 1.7761	* 1.7235	* 1.5500	* 1.5891	* 1.7338	* .7844 *
	* 1.7189	* 1.6539	* 1.6352	* 1.6866	* 1.8658	* 1.7920	* 1.6366	* 3.5976 *
12	* 1.6527	* 1.6578	* 1.7192	* 1.5490	* 1.6121	* 1.7543	* 1.0850	*
	* 1.6796	* 1.6980	* 1.6613	* 1.8674	* 1.7598	* 1.6039	* 2.6074	*
13	* 1.5296	* 1.6214	* 1.6187	* 1.5837	* 1.7517	* 1.1698	* .6050	*
	* 1.7873	* 1.6943	* 1.7426	* 1.7981	* 1.6051	* 2.3928	* 4.6060	*
14	* 1.6137	* 1.6445	* 1.6739	* 1.7263	* 1.0812	* .6039	*	*
	* 1.6750	* 1.6635	* 1.6965	* 1.6439	* 2.6163	* 4.6147	*	*
15	* .8002	* .8089	* .7866	* .7385	F-SUB-Q			
	* 3.3217	* 3.3067	* 3.4793	* 3.8217	M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6388	* 1.8047	* 1.7440	* 1.6439	* 1.6377	* 1.5190	* 1.5989	* .8005 *
	* 1.8985	* 1.7197	* 1.7748	* 1.8591	* 1.8171	* 1.9267	* 1.8068	* 3.5440 *
9	* 1.8047	* 1.8326	* 1.6942	* 1.7174	* 1.6494	* 1.6134	* 1.6347	* .8114 *
	* 1.7197	* 1.6920	* 1.8264	* 1.7875	* 1.8328	* 1.8230	* 1.7929	* 3.5083 *
10	* 1.7441	* 1.6938	* 1.8011	* 1.7699	* 1.7066	* 1.6139	* 1.6756	* .7952 *
	* 1.7746	* 1.8268	* 1.7046	* 1.7319	* 1.7914	* 1.8687	* 1.7864	* 3.6652 *
11	* 1.6439	* 1.7169	* 1.7690	* 1.7125	* 1.5604	* 1.5859	* 1.7303	* .7974 *
	* 1.8591	* 1.7880	* 1.7329	* 1.7905	* 1.9603	* 1.8906	* 1.7269	* 3.7280 *
12	* 1.6377	* 1.6483	* 1.7056	* 1.5593	* 1.6160	* 1.7574	* 1.1098	*
	* 1.8171	* 1.8334	* 1.7925	* 1.9616	* 1.8747	* 1.7104	* 2.7038	*
13	* 1.5190	* 1.6123	* 1.6120	* 1.5806	* 1.7547	* 1.1974	* .6193	*
	* 1.9267	* 1.8233	* 1.8719	* 1.8969	* 1.7130	* 2.5039	* 4.8098	*
14	* 1.5989	* 1.6329	* 1.6695	* 1.7229	* 1.1060	* .6181	*	*
	* 1.8067	* 1.7936	* 1.7930	* 1.7343	* 2.7130	* 4.8184	*	*
15	* .8016	* .8145	* .7934	* .7513	F-SUB-Q			
	* 3.5394	* 3.4948	* 3.6730	* 3.9571	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.6539	* 1.8251	* 1.7613	* 1.6592	* 1.6607	* 1.5329	* 1.6266	* .8001 *
	* 1.9936	* 1.8023	* 1.8637	* 1.9662	* 1.9247	* 2.0494	* 1.9032	* 3.7935 *

9	* 1.8251	* 1.8615	* 1.7103	* 1.7444	* 1.6680	* 1.6339	* 1.6647	* .8067 *
	* 1.8023	* 1.7654	* 1.9185	* 1.8668	* 1.9395	* 1.9315	* 1.8893	* 3.7923 *

10	* 1.7614	* 1.7098	* 1.8233	* 1.7939	* 1.7354	* 1.6341	* 1.7100	* .7915 *
	* 1.8635	* 1.9191	* 1.7867	* 1.8128	* 1.8678	* 1.9514	* 1.8533	* 3.9647 *

11	* 1.6592	* 1.7438	* 1.7929	* 1.7408	* 1.5648	* 1.6188	* 1.7693	* .7893 *
	* 1.9662	* 1.8675	* 1.8139	* 1.8677	* 2.0603	* 1.9608	* 1.7881	* 3.9850 *

12	* 1.6607	* 1.6669	* 1.7343	* 1.5634	* 1.6417	* 1.7970	* 1.1008	*
	* 1.9247	* 1.9407	* 1.8690	* 2.0621	* 1.9501	* 1.7673	* 2.8817	*

13	* 1.5329	* 1.6326	* 1.6321	* 1.6135	* 1.7943	* 1.1945	* .6128	*
	* 2.0494	* 1.9317	* 1.9547	* 1.9671	* 1.7699	* 2.6590	* 5.1333	*

14	* 1.6266	* 1.6628	* 1.7038	* 1.7620	* 1.0971	* .6117	*	*
	* 1.9032	* 1.8899	* 1.8599	* 1.7955	* 2.8912	* 5.1427	*	*

15	* .8013	* .8086	* .7883	* .7418	* F-SUB-Q			
	* 3.7881	* 3.7803	* 3.9780	* 4.2381	* M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.6450	* 1.8172	* 1.7531	* 1.6508	* 1.6553	* 1.5259	* 1.6241	* .7964 *
	* 2.0382	* 1.8396	* 1.8972	* 2.0047	* 1.9919	* 2.1590	* 2.0282	* 4.0776 *

9	* 1.8172	* 1.8553	* 1.7017	* 1.7398	* 1.6624	* 1.6303	* 1.6638	* .8024 *
	* 1.8396	* 1.7982	* 1.9522	* 1.9036	* 1.9904	* 2.0289	* 1.9876	* 4.0788 *

10	* 1.7533	* 1.7012	* 1.8177	* 1.7898	* 1.7326	* 1.6297	* 1.7125	* .7876 *
	* 1.8970	* 1.9528	* 1.8262	* 1.8548	* 1.9110	* 2.0339	* 1.9402	* 4.1924 *

11	* 1.6508	* 1.7392	* 1.7887	* 1.7373	* 1.5598	* 1.6212	* 1.7740	* .7870 *
	* 2.0047	* 1.9043	* 1.8560	* 1.9106	* 2.1331	* 2.0513	* 1.8754	* 4.2075 *

12	* 1.6553	* 1.6613	* 1.7315	* 1.5584	* 1.6403	* 1.8008	* 1.0999	*
	* 1.9919	* 1.9918	* 1.9122	* 2.1347	* 2.0495	* 1.8629	* 3.0349	*

13	* 1.5259	* 1.6291	* 1.6277	* 1.6160	* 1.7981	* 1.1947	* .6107 *	*
	* 2.1590	* 2.0304	* 2.0366	* 2.0579	* 1.8657	* 2.8155	* 5.4593 *	*

14	* 1.6241	* 1.6621	* 1.7064	* 1.7667	* 1.0963	* .6096	*	*
	* 2.0282	* 1.9896	* 1.9471	* 1.8832	* 3.0450	* 5.4690	*	*

15	* .7975	* .8043	* .7845	* .7398	* F-SUB-Q			
	* 4.0717	* 4.0645	* 4.2086	* 4.4792	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6167	* 1.7866	* 1.7243	* 1.6226	* 1.6253	* 1.5013	* 1.5960	* .7894
	* 2.0334	* 1.8349	* 1.8906	* 1.9980	* 1.9873	* 2.1472	* 2.0191	* 4.0547
9	* 1.7866	* 1.8204	* 1.6731	* 1.7078	* 1.6358	* 1.6071	* 1.6369	* .7962
	* 1.8349	* 1.7970	* 1.9465	* 1.9005	* 1.9823	* 2.0172	* 1.9802	* 4.0260
10	* 1.7245	* 1.6726	* 1.7895	* 1.7623	* 1.7013	* 1.6066	* 1.6876	* .7818
	* 1.8904	* 1.9471	* 1.8186	* 1.8470	* 1.9074	* 2.0223	* 1.9320	* 4.1331
11	* 1.6227	* 1.7071	* 1.7612	* 1.7069	* 1.5458	* 1.5976	* 1.7484	* .7869
	* 1.9980	* 1.9013	* 1.8482	* 1.9068	* 2.1109	* 2.0432	* 1.8679	* 4.1254
12	* 1.6253	* 1.6346	* 1.7002	* 1.5446	* 1.6172	* 1.7751	* 1.1024	*
	* 1.9873	* 1.9837	* 1.9087	* 2.1125	* 2.0430	* 1.8580	* 2.9742	*
13	* 1.5013	* 1.6058	* 1.6039	* 1.5925	* 1.7724	* 1.1955	* .6111	*
	* 2.1472	* 2.0187	* 2.0254	* 2.0497	* 1.8609	* 2.7671	* 5.3821	*
14	* 1.5960	* 1.6352	* 1.6817	* 1.7413	* 1.0988	* .6100	*	*
	* 2.0191	* 1.9822	* 1.9388	* 1.8755	* 2.9840	* 5.3921	*	*
15	* .7904	* .7994	* .7800	* .7418	* F-SUB-Q			
	* 4.0490	* 4.0103	* 4.1411	* 4.3756	* M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6090	* 1.7822	* 1.7192	* 1.6177	* 1.6281	* 1.4975	* 1.6050	* .7804
	* 1.9960	* 1.7954	* 1.8426	* 1.9370	* 1.9129	* 2.0737	* 1.9310	* 3.8980
9	* 1.7822	* 1.8240	* 1.6680	* 1.7123	* 1.6340	* 1.6079	* 1.6467	* .7838
	* 1.7954	* 1.7480	* 1.8940	* 1.8347	* 1.9178	* 1.9449	* 1.8952	* 3.8920
10	* 1.7194	* 1.6674	* 1.7883	* 1.7628	* 1.7066	* 1.6090	* 1.6997	* .7694
	* 1.8424	* 1.8948	* 1.7666	* 1.7927	* 1.8394	* 1.9507	* 1.8530	* 3.9910
11	* 1.6178	* 1.7115	* 1.7637	* 1.7120	* 1.5312	* 1.6082	* 1.7632	* .7691
	* 1.9369	* 1.8355	* 1.7917	* 1.8443	* 2.0663	* 1.9620	* 1.7935	* 4.0168
12	* 1.6281	* 1.6328	* 1.7054	* 1.5297	* 1.6175	* 1.7869	* 1.0780	*
	* 1.9129	* 1.9192	* 1.8406	* 2.0678	* 1.9891	* 1.7914	* 2.9208	*
13	* 1.4975	* 1.6067	* 1.6063	* 1.6031	* 1.7842	* 1.1739	* .5951	*
	* 2.0737	* 1.9460	* 1.9538	* 1.9678	* 1.7940	* 2.7179	* 5.2646	*
14	* 1.6050	* 1.6450	* 1.6938	* 1.7561	* 1.0746	* .5940	*	*
	* 1.9310	* 1.8967	* 1.8591	* 1.8002	* 2.9301	* 5.2737	*	*
15	* .7815	* .7858	* .7666	* .7247	* F-SUB-Q			
	* 3.8922	* 3.8819	* 4.0049	* 4.2678	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5859	* 1.7587	* 1.6965	* 1.5960	* 1.6100	* 1.4785	* 1.5915	* .7691 *
	* 1.8518	* 1.6632	* 1.7081	* 1.7962	* 1.7684	* 1.9207	* 1.7811	* 3.6142 *
9	* 1.7587	* 1.8032	* 1.6458	* 1.6940	* 1.6148	* 1.5914	* 1.6338	* .7713 *
	* 1.6632	* 1.6155	* 1.7561	* 1.6946	* 1.7727	* 1.7957	* 1.7461	* 3.6193 *
10	* 1.6967	* 1.6452	* 1.7675	* 1.7454	* 1.6902	* 1.5935	* 1.6885	* .7569 *
	* 1.7079	* 1.7568	* 1.6349	* 1.6539	* 1.6956	* 1.7979	* 1.6995	* 3.7095 *
11	* 1.5961	* 1.6932	* 1.7440	* 1.6944	* 1.5115	* 1.5973	* 1.7535	* .7562 *
	* 1.7961	* 1.6954	* 1.6551	* 1.6997	* 1.9070	* 1.7984	* 1.6411	* 3.7274 *
12	* 1.6100	* 1.6135	* 1.6889	* 1.5101	* 1.5998	* 1.7742	* 1.0613	*
	* 1.7684	* 1.7740	* 1.6968	* 1.9088	* 1.8317	* 1.6433	* 2.7003	*
13	* 1.4785	* 1.5902	* 1.5909	* 1.5923	* 1.7714	* 1.1565	* .5835	*
	* 1.9207	* 1.7967	* 1.8007	* 1.8037	* 1.6458	* 2.5144	* 4.8942	*
14	* 1.5915	* 1.6322	* 1.6827	* 1.7465	* 1.0579	* .5825	*	*
	* 1.7811	* 1.7475	* 1.7050	* 1.6472	* 2.7087	* 4.9026	*	*
15	* .7702	* .7734	* .7542	* .7137	F-SUB-Q			
	* 3.6088	* 3.6097	* 3.7222	* 3.9490	M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5558	* 1.7272	* 1.6664	* 1.5671	* 1.5825	* 1.4527	* 1.5663	* .7567 *
	* 1.7341	* 1.5560	* 1.5997	* 1.6848	* 1.6534	* 1.7948	* 1.6626	* 3.3799 *
9	* 1.7272	* 1.7716	* 1.6160	* 1.6649	* 1.5869	* 1.5659	* 1.6088	* .7583 *
	* 1.5560	* 1.5115	* 1.6459	* 1.5871	* 1.6611	* 1.6801	* 1.6335	* 3.3834 *
10	* 1.6666	* 1.6153	* 1.7377	* 1.7167	* 1.6616	* 1.5687	* 1.6636	* .7440 *
	* 1.5995	* 1.6465	* 1.5296	* 1.5463	* 1.5880	* 1.6812	* 1.5854	* 3.4793 *
11	* 1.5672	* 1.6640	* 1.7153	* 1.6659	* 1.4842	* 1.5736	* 1.7285	* .7447 *
	* 1.6847	* 1.5879	* 1.5476	* 1.5903	* 1.7842	* 1.6770	* 1.5285	* 3.4841 *
12	* 1.5825	* 1.5856	* 1.6603	* 1.4827	* 1.5733	* 1.7479	* 1.0461	*
	* 1.6534	* 1.6624	* 1.5891	* 1.7859	* 1.7080	* 1.5285	* 2.5135	*
13	* 1.4527	* 1.5648	* 1.5661	* 1.5687	* 1.7451	* 1.1400	* .5740	*
	* 1.7948	* 1.6810	* 1.6838	* 1.6820	* 1.5308	* 2.3366	* 4.5633	*
14	* 1.5663	* 1.6072	* 1.6579	* 1.7217	* 1.0428	* .5730	*	*
	* 1.6626	* 1.6348	* 1.5906	* 1.5343	* 2.5213	* 4.5712	*	*
15	* .7578	* .7603	* .7413	* .7023	F-SUB-Q			
	* 3.3749	* 3.3743	* 3.4912	* 3.6943	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5151	* 1.6823	* 1.6237	* 1.5263	* 1.5398	* 1.4157	* 1.5246	* .7426 *
	* 1.7137	* 1.5384	* 1.5815	* 1.6615	* 1.6341	* 1.7726	* 1.6446	* 3.3210 *
9	* 1.6823	* 1.7222	* 1.5735	* 1.6194	* 1.5467	* 1.5276	* 1.5668	* .7453 *
	* 1.5384	* 1.4980	* 1.6261	* 1.5694	* 1.6376	* 1.6536	* 1.6106	* 3.3134 *
10	* 1.6239	* 1.5728	* 1.6940	* 1.6716	* 1.6168	* 1.5307	* 1.6216	* .7313 *
	* 1.5813	* 1.6271	* 1.5101	* 1.5292	* 1.5698	* 1.6572	* 1.5671	* 3.3965 *
11	* 1.5264	* 1.6184	* 1.6703	* 1.6210	* 1.4542	* 1.5336	* 1.6849	* .7374 *
	* 1.6613	* 1.5702	* 1.5303	* 1.5747	* 1.7524	* 1.6578	* 1.5097	* 3.3918 *
12	* 1.5398	* 1.5454	* 1.6155	* 1.4530	* 1.5335	* 1.7029	* 1.0375	*
	* 1.6341	* 1.6389	* 1.5710	* 1.7539	* 1.6843	* 1.5077	* 2.4400	*
13	* 1.4157	* 1.5265	* 1.5281	* 1.5288	* 1.7001	* 1.1276	* .5683	*
	* 1.7726	* 1.6546	* 1.6599	* 1.6628	* 1.5100	* 2.2699	* 4.4395	*
14	* 1.5246	* 1.5653	* 1.6161	* 1.6783	* 1.0342	* .5673	*	*
	* 1.6445	* 1.6119	* 1.5722	* 1.5154	* 2.4475	* 4.4473	*	*
15	* .7437	* .7481	* .7298	* .6958	F-SUB-Q			
	* 3.3161	* 3.3001	* 3.4020	* 3.5937	M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4967	* 1.6659	* 1.6065	* 1.5099	* 1.5308	* 1.4008	* 1.5210	* .7277 *
	* 1.6049	* 1.4416	* 1.4855	* 1.5648	* 1.5335	* 1.6721	* 1.5392	* 3.1692 *
9	* 1.6659	* 1.7138	* 1.5577	* 1.6118	* 1.5323	* 1.5152	* 1.5627	* .7270 *
	* 1.4416	* 1.3987	* 1.5288	* 1.4675	* 1.5394	* 1.5531	* 1.5048	* 3.1773 *
10	* 1.6067	* 1.5571	* 1.6798	* 1.6608	* 1.6107	* 1.5187	* 1.6165	* .7121 *
	* 1.4853	* 1.5294	* 1.4156	* 1.4299	* 1.4666	* 1.5532	* 1.4598	* 3.2567 *
11	* 1.5100	* 1.6109	* 1.6593	* 1.6135	* 1.4297	* 1.5284	* 1.6821	* .7117 *
	* 1.5647	* 1.4683	* 1.4311	* 1.4704	* 1.6589	* 1.5450	* 1.4039	* 3.2660 *
12	* 1.5308	* 1.5309	* 1.6093	* 1.4282	* 1.5191	* 1.6967	* 1.0014	*
	* 1.5335	* 1.5408	* 1.4677	* 1.6606	* 1.5770	* 1.4073	* 2.3537	*
13	* 1.4008	* 1.5142	* 1.5162	* 1.5236	* 1.6940	* 1.0930	* .5464	*
	* 1.6721	* 1.5540	* 1.5557	* 1.5497	* 1.4095	* 2.1780	* 4.3041	*
14	* 1.5210	* 1.5612	* 1.6110	* 1.6754	* .9982	* .5454	*	*
	* 1.5392	* 1.5061	* 1.4647	* 1.4093	* 2.3611	* 4.3117	*	*
15	* .7288	* .7290	* .7096	* .6723	F-SUB-Q			
	* 3.1644	* 3.1686	* 3.2678	* 3.4569	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4625	* 1.6296	* 1.5710	* 1.4759	* 1.4965	* 1.3699	* 1.4896	* .7114 *
	* 1.5360	* 1.3807	* 1.4270	* 1.5068	* 1.4775	* 1.6111	* 1.4811	* 3.0597 *
9	* 1.6296	* 1.6766	* 1.5233	* 1.5769	* 1.4982	* 1.4836	* 1.5301	* .7095 *
	* 1.3807	* 1.3412	* 1.4694	* 1.4107	* 1.4813	* 1.4925	* 1.4462	* 3.0716 *
10	* 1.5712	* 1.5226	* 1.6449	* 1.6263	* 1.5759	* 1.4863	* 1.5805	* .6940 *
	* 1.4269	* 1.4700	* 1.3581	* 1.3714	* 1.4097	* 1.4916	* 1.4004	* 3.1461 *
11	* 1.4760	* 1.5759	* 1.6249	* 1.5791	* 1.3966	* 1.4939	* 1.6451	* .6931 *
	* 1.5067	* 1.4115	* 1.3726	* 1.4113	* 1.5921	* 1.4816	* 1.3446	* 3.1517 *
12	* 1.4965	* 1.4969	* 1.5746	* 1.3951	* 1.4850	* 1.6584		* .9752 *
	* 1.4775	* 1.4826	* 1.4108	* 1.5938	* 1.5046	* 1.3446		* 2.2609 *
13	* 1.3699	* 1.4825	* 1.4837	* 1.4891	* 1.6563	* 1.0664		* .5316 *
	* 1.6111	* 1.4935	* 1.4942	* 1.4863	* 1.3467	* 2.0850		* 4.1394 *
14	* 1.4896	* 1.5285	* 1.5750	* 1.6385	* .9720	* .5306		
	* 1.4811	* 1.4476	* 1.4053	* 1.3500	* 2.2681	* 4.1468		
15	* .7125	* .7114	* .6916	* .6545	F-SUB-Q			
	* 3.0551	* 3.0633	* 3.1571	* 3.3351	M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4090	* 1.5694	* 1.5134	* 1.4211	* 1.4318	* 1.3209	* 1.4256	* .6935 *
	* 1.5117	* 1.3596	* 1.4066	* 1.4876	* 1.4685	* 1.5894	* 1.4720	* 2.9900 *
9	* 1.5694	* 1.6044	* 1.4660	* 1.5088	* 1.4413	* 1.4296	* 1.4636	* .6930 *
	* 1.3596	* 1.3300	* 1.4498	* 1.4005	* 1.4630	* 1.4718	* 1.4365	* 2.9940 *
10	* 1.5136	* 1.4654	* 1.5856	* 1.5642	* 1.5066	* 1.4302	* 1.5067	* .6781 *
	* 1.4064	* 1.4505	* 1.3372	* 1.3530	* 1.4007	* 1.4715	* 1.3929	* 3.0638 *
11	* 1.4212	* 1.5080	* 1.5630	* 1.5125	* 1.3515	* 1.4236	* 1.5659	* .6808 *
	* 1.4876	* 1.4013	* 1.3540	* 1.3987	* 1.5603	* 1.4736	* 1.3381	* 3.0486 *
12	* 1.4318	* 1.4400	* 1.5054	* 1.3503	* 1.4280	* 1.5813		* .9571 *
	* 1.4685	* 1.4643	* 1.4018	* 1.5617	* 1.4797	* 1.3335		* 2.1821 *
13	* 1.3209	* 1.4287	* 1.4277	* 1.4189	* 1.5796	* 1.0458		* .5232 *
	* 1.5894	* 1.4728	* 1.4741	* 1.4784	* 1.3357	* 2.0100		* 3.9839 *
14	* 1.4256	* 1.4620	* 1.5013	* 1.5593	* .9539	* .5223		
	* 1.4720	* 1.4379	* 1.3980	* 1.3437	* 2.1894	* 3.9913		
15	* .6945	* .6959	* .6768	* .6420	F-SUB-Q			
	* 2.9860	* 2.9819	* 3.0695	* 3.2325	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.3703	* 1.5279	* 1.4712	* 1.3838	* 1.3913	* 1.2885	* 1.3913	* .6746
	* 1.4897	* 1.3381	* 1.3872	* 1.4656	* 1.4501	* 1.5636	* 1.4474	* 2.9550

9	* 1.5279	* 1.5584	* 1.4267	* 1.4676	* 1.4040	* 1.3958	* 1.4253	* .6705
	* 1.3381	* 1.3123	* 1.4274	* 1.3806	* 1.4401	* 1.4453	* 1.4144	* 2.9751

10	* 1.4714	* 1.4261	* 1.5477	* 1.5263	* 1.4663	* 1.3941	* 1.4567	* .6516
	* 1.3871	* 1.4280	* 1.3126	* 1.3283	* 1.3801	* 1.4472	* 1.3802	* 3.0621

11	* 1.3839	* 1.4669	* 1.5251	* 1.4728	* 1.3103	* 1.3757	* 1.5128	* .6464
	* 1.4655	* 1.3813	* 1.3293	* 1.3766	* 1.5418	* 1.4605	* 1.3259	* 3.0825

12	* 1.3913	* 1.4027	* 1.4651	* 1.3089	* 1.3904	* 1.5299	* .9038	*
	* 1.4501	* 1.4413	* 1.3812	* 1.5434	* 1.4539	* 1.3196	* 2.2138	*

13	* 1.2885	* 1.3946	* 1.3917	* 1.3709	* 1.5283	* .9957	* .4946	*
	* 1.5636	* 1.4466	* 1.4497	* 1.4656	* 1.3210	* 2.0203	* 4.0408	*

14	* 1.3913	* 1.4237	* 1.4511	* 1.5061	* .9007	* .4937	*	*
	* 1.4474	* 1.4159	* 1.3855	* 1.3318	* 2.2216	* 4.0486	*	*

15	* .6756	* .6722	* .6490	* .6069	* F-SUB-Q			
	* 2.9506	* 2.9675	* 3.0744	* 3.2791	* M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.2777	* 1.4266	* 1.3663	* 1.2975	* 1.3155	* 1.2141	* 1.3051	* .6520
	* 1.5448	* 1.3851	* 1.4446	* 1.5114	* 1.4481	* 1.6062	* 1.4931	* 2.9644

9	* 1.4266	* 1.4495	* 1.3324	* 1.3721	* 1.3197	* 1.3093	* 1.3332	* .6489
	* 1.3851	* 1.3632	* 1.4767	* 1.4278	* 1.4814	* 1.4897	* 1.4624	* 2.9803

10	* 1.3664	* 1.3319	* 1.4450	* 1.4311	* 1.3681	* 1.3075	* 1.3499	* .6252
	* 1.4445	* 1.4774	* 1.3585	* 1.3688	* 1.4303	* 1.4915	* 1.4402	* 3.0935

11	* 1.2975	* 1.3715	* 1.4301	* 1.3758	* 1.2400	* 1.2761	* 1.3897	* .6060
	* 1.5114	* 1.4284	* 1.3698	* 1.4243	* 1.5745	* 1.5042	* 1.3953	* 3.1876

12	* 1.3155	* 1.3186	* 1.3670	* 1.2387	* 1.2916	* 1.4142	* .8441	*
	* 1.4481	* 1.4827	* 1.4314	* 1.5762	* 1.5119	* 1.3769	* 2.2940	*

13	* 1.2141	* 1.3082	* 1.3048	* 1.2718	* 1.4117	* .9287	* .4577	*
	* 1.6062	* 1.4910	* 1.4945	* 1.5072	* 1.3793	* 2.0958	* 4.2323	*

14	* 1.3051	* 1.3315	* 1.3444	* 1.3831	* .8410	* .4568	*	*
	* 1.4931	* 1.4641	* 1.4461	* 1.4020	* 2.3025	* 4.2407	*	*

15	* .6529	* .6504	* .6233	* .5673	* F-SUB-Q			
	* 2.9605	* 2.9735	* 3.1043	* 3.4053	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.0465	* 1.1903	* 1.1047	* 1.0869	* 1.3127	* 1.0257	* 1.2110	* .5748
	* 1.8367	* 1.6162	* 1.7395	* 1.7524	* 1.4481	* 1.8511	* 1.5656	* 3.2861

9	* 1.1903	* 1.3787	* 1.0972	* 1.2790	* 1.0935	* 1.0927	* 1.2279	* .5777
	* 1.6162	* 1.3936	* 1.7483	* 1.4903	* 1.7403	* 1.7394	* 1.5446	* 3.2713

10	* 1.1048	* 1.0968	* 1.1967	* 1.2093	* 1.2051	* 1.0978	* 1.2224	* .5510
	* 1.7394	* 1.7489	* 1.5968	* 1.5756	* 1.5782	* 1.7288	* 1.5511	* 3.4293

11	* 1.0870	* 1.2784	* 1.2085	* 1.2659	* 1.0718	* 1.2607	* 1.1314	* .5050
	* 1.7523	* 1.4910	* 1.5767	* 1.5039	* 1.7735	* 1.5042	* 1.6711	* 3.7398

12	* 1.3127	* 1.0928	* 1.2040	* 1.0709	* 1.0762	* 1.2277	* .7152	*
	* 1.4481	* 1.7414	* 1.5796	* 1.7750	* 1.7675	* 1.5450	* 2.6433	*

13	* 1.0257	* 1.0917	* 1.0947	* 1.2581	* 1.2256	* .7765	* .3757	*
	* 1.8511	* 1.7411	* 1.7337	* 1.5072	* 1.5477	* 2.4451	* 5.0410	*

14	* 1.2110	* 1.2265	* 1.2192	* 1.1261	* .7124	* .3749	*	*
	* 1.5656	* 1.5464	* 1.5553	* 1.6791	* 2.6538	* 5.0514	*	*

15	* .5754	* .5787	* .5488	* .4764	F-SUB-Q			
	* 3.2825	* 3.2655	* 3.4451	* 3.9650	M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* .4742	* .5040	* .4638	* .4816	* .5572	* .4563	* .4796	* .2704
	* 3.9612	* 3.7249	* 4.0430	* 3.8609	* 3.3323	* 4.0689	* 3.8652	* 6.8473

9	* .5040	* .5736	* .4815	* .5620	* .4825	* .4571	* .4836	* .2579
	* 3.7249	* 3.2672	* 3.8893	* 3.3089	* 3.8528	* 4.0614	* 3.8329	* 7.1826

10	* .4638	* .4815	* .5059	* .5262	* .5503	* .4697	* .4802	* .2470
	* 4.0430	* 3.8900	* 3.6818	* 3.5365	* 3.3739	* 3.9491	* 3.8596	* 7.5014

11	* .4816	* .5617	* .5260	* .5696	* .4875	* .5276	* .4557	* .2191
	* 3.8610	* 3.3107	* 3.5382	* 3.2620	* 3.8090	* 3.5126	* 4.0604	* 8.4520

12	* .5572	* .4821	* .5498	* .4871	* .4541	* .4774	* .3137	*
	* 3.3323	* 3.8558	* 3.3769	* 3.8122	* 4.0908	* 3.8828	* 5.9036	*

13	* .4563	* .4566	* .4689	* .5265	* .4766	* .3344	* .1698	*
	* 4.0689	* 4.0658	* 3.9560	* 3.5199	* 3.8896	* 5.5528	* 10.9372	*

14	* .4796	* .4830	* .4789	* .4538	* .3125	* .1694	*	*
	* 3.8652	* 3.8380	* 3.8705	* 4.0804	* 5.9271	* 10.9640	*	*

15	* .2706	* .2587	* .2464	* .2073	F-SUB-Q			
	* 6.8433	* 7.1616	* 7.5215	* 8.9372	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 75 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .3278 *	* .4143 *	* .4136 *	* .4435 *	* .5020 *	* .4260 *	* .4356 *	* .2629 *
	* 4.8304 *	* 4.8438 *	* 4.8601 *	* 4.4882 *	* 3.9549 *	* 4.6667 *	* 4.6135 *	* 7.5734 *
9	* .4143 *	* .4683 *	* .4295 *	* .4979 *	* .4396 *	* .4227 *	* .4344 *	* .2504 *
	* 4.8437 *	* 4.3624 *	* 4.7413 *	* 4.0071 *	* 4.5177 *	* 4.6986 *	* 4.6262 *	* 7.9559 *
10	* .4136 *	* .4293 *	* .4446 *	* .4513 *	* .4784 *	* .4121 *	* .4159 *	* .2351 *
	* 4.8607 *	* 4.7412 *	* 4.5921 *	* 4.4773 *	* 4.1617 *	* 4.8004 *	* 4.7366 *	* 8.3397 *
11	* .4435 *	* .4980 *	* .4512 *	* .4769 *	* .4059 *	* .4180 *	* .3759 *	* .1971 *
	* 4.4885 *	* 4.0064 *	* 4.4794 *	* 4.2446 *	* 4.9080 *	* 4.6346 *	* 5.2336 *	* 9.8745 *
12	* .5020 *	* .4396 *	* .4782 *	* .4057 *	* .3146 *	* .3256 *	* .2454 *	
	* 3.9549 *	* 4.5182 *	* 4.1644 *	* 4.9110 *	* 5.0747 *	* 5.0462 *	* 7.4487 *	
13	* .4260 *	* .4225 *	* .4114 *	* .4170 *	* .3245 *	* .2171 *	* .1328 *	
	* 4.6667 *	* 4.7010 *	* 4.8084 *	* 4.6442 *	* 5.0569 *	* 6.7209 *	* 12.4765 *	
14	* .4356 *	* .4341 *	* .4145 *	* .3740 *	* .2441 *	* .1324 *		
	* 4.6135 *	* 4.6298 *	* 4.7536 *	* 5.2616 *	* 7.4829 *	* 12.5028 *		
15	* .2631 *	* .2504 *	* .2341 *	* .1876 *	F-SUB-Q			
	* 7.5695 *	* 7.9548 *	* 8.3749 *	* 10.3813 *	M-SUB-Q			

AT 75% POWER, 75 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .7165 *	* .9322 *	* .9622 *	* 1.0032 *	* 1.1632 *	* .9590 *	* 1.0830 *	* .5749 *
	* 2.3442 *	* 2.1429 *	* 2.1526 *	* 2.0477 *	* 1.7615 *	* 2.1335 *	* 1.9077 *	* 3.5643 *
9	* .9322 *	* 1.1025 *	* .9759 *	* 1.1157 *	* 1.0030 *	* .9890 *	* 1.0821 *	* .5823 *
	* 2.1429 *	* 1.8966 *	* 2.1311 *	* 1.8432 *	* 2.0434 *	* 2.0702 *	* 1.8936 *	* 3.4944 *
10	* .9622 *	* .9757 *	* 1.0312 *	* 1.0245 *	* 1.0366 *	* .9559 *	* 1.0415 *	* .5478 *
	* 2.1527 *	* 2.1315 *	* 2.0296 *	* 2.0247 *	* 1.9797 *	* 2.1335 *	* 1.9495 *	* 3.6802 *
11	* 1.0031 *	* 1.1159 *	* 1.0241 *	* 1.0532 *	* .9013 *	* .9868 *	* .9017 *	* .4870 *
	* 2.0479 *	* 1.8429 *	* 2.0254 *	* 1.9655 *	* 2.2578 *	* 2.0117 *	* 2.2463 *	* 4.1237 *
12	* 1.1632 *	* 1.0030 *	* 1.0359 *	* .9007 *	* .7266 *	* .8181 *	* .5815 *	
	* 1.7615 *	* 2.0436 *	* 1.9810 *	* 2.2593 *	* 2.2199 *	* 2.0487 *	* 3.2275 *	
13	* .9590 *	* .9884 *	* .9545 *	* .9846 *	* .8157 *	* .5090 *	* .3091 *	
	* 2.1335 *	* 2.0714 *	* 2.1385 *	* 2.0153 *	* 2.0522 *	* 2.9426 *	* 5.5140 *	
14	* 1.0830 *	* 1.0815 *	* 1.0383 *	* .8966 *	* .5786 *	* .3082 *		
	* 1.9077 *	* 1.8948 *	* 1.9556 *	* 2.2596 *	* 3.2410 *	* 5.5248 *		
15	* .5754 *	* .5838 *	* .5458 *	* .4535 *	F-SUB-Q			
	* 3.5612 *	* 3.4923 *	* 3.6947 *	* 4.4294 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 75 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8834	* 1.1447	* 1.2039	* 1.2333	* 1.2976	* 1.1795	* 1.2299	* .6902
	* 1.9633	* 1.7965	* 1.7647	* 1.7086	* 1.6180	* 1.7745	* 1.6979	* 2.9938
9	* 1.1447	* 1.2423	* 1.2134	* 1.2546	* 1.2458	* 1.2208	* 1.2346	* .7009
	* 1.7965	* 1.7209	* 1.7504	* 1.6861	* 1.6879	* 1.7105	* 1.6901	* 2.9475
10	* 1.2040	* 1.2134	* 1.2708	* 1.2507	* 1.2428	* 1.1844	* 1.1986	* .6669
	* 1.7646	* 1.7504	* 1.6709	* 1.6937	* 1.6964	* 1.7627	* 1.7391	* 3.0927
11	* 1.2332	* 1.2545	* 1.2505	* 1.2106	* 1.0961	* 1.1014	* 1.1482	* .6080
	* 1.7086	* 1.6863	* 1.6941	* 1.7521	* 1.9024	* 1.8380	* 1.8112	* 3.3927
12	* 1.2976	* 1.2457	* 1.2423	* 1.0955	* .8901	* 1.0087	* .7353	*
	* 1.6180	* 1.6881	* 1.6971	* 1.9036	* 1.8403	* 1.7352	* 2.6261	*
13	* 1.1795	* 1.2202	* 1.1827	* 1.0987	* 1.0060	* .6415	* .3960	*
	* 1.7745	* 1.7114	* 1.7662	* 1.8414	* 1.7379	* 2.4160	* 4.4441	*
14	* 1.2299	* 1.2337	* 1.1962	* 1.1424	* .7320	* .3950	*	*
	* 1.6979	* 1.6914	* 1.7428	* 1.8216	* 2.6360	* 4.4533	*	*
15	* .6910	* .7029	* .6647	* .5713	* F-SUB-Q			
	* 2.9906	* 2.9393	* 3.1034	* 3.6122	* M-SUB-Q			

AT 75% POWER, 75 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9849	* 1.2844	* 1.3499	* 1.3770	* 1.4801	* 1.3192	* 1.4043	* .7531
	* 1.8227	* 1.6575	* 1.6241	* 1.5776	* 1.4615	* 1.6320	* 1.5256	* 2.8130
9	* 1.2844	* 1.4171	* 1.3567	* 1.4292	* 1.3955	* 1.3759	* 1.4117	* .7581
	* 1.6575	* 1.5586	* 1.6139	* 1.5270	* 1.5535	* 1.5601	* 1.5192	* 2.7968
10	* 1.3500	* 1.3568	* 1.4278	* 1.4109	* 1.4188	* 1.3396	* 1.3736	* .7232
	* 1.6240	* 1.6138	* 1.5330	* 1.5501	* 1.5343	* 1.6081	* 1.5638	* 2.9392
11	* 1.3769	* 1.4290	* 1.4105	* 1.3805	* 1.2201	* 1.2765	* 1.3431	* .6691
	* 1.5777	* 1.5272	* 1.5506	* 1.5875	* 1.7540	* 1.6455	* 1.6005	* 3.1881
12	* 1.4801	* 1.3954	* 1.4183	* 1.2194	* 1.0042	* 1.1810	* .8217	*
	* 1.4615	* 1.5538	* 1.5350	* 1.7552	* 1.6832	* 1.5489	* 2.4497	*
13	* 1.3192	* 1.3755	* 1.3373	* 1.2738	* 1.1782	* .7215	* .4419	*
	* 1.6320	* 1.5607	* 1.6111	* 1.6484	* 1.5506	* 2.2591	* 4.1785	*
14	* 1.4043	* 1.4108	* 1.3711	* 1.3365	* .8183	* .4408	*	*
	* 1.5255	* 1.5202	* 1.5669	* 1.6090	* 2.4583	* 4.1870	*	*
15	* .7541	* .7604	* .7211	* .6271	* F-SUB-Q			
	* 2.8095	* 2.7885	* 2.9480	* 3.4034	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 75 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0639	* 1.3662	* 1.4263	* 1.4564	* 1.5881	* 1.3939	* 1.5041	* .7952
	* 1.8050	* 1.6345	* 1.6003	* 1.5464	* 1.4104	* 1.5998	* 1.4757	* 2.7608
9	* 1.3662	* 1.5194	* 1.4341	* 1.5314	* 1.4796	* 1.4605	* 1.5146	* .8025
	* 1.6345	* 1.5199	* 1.5908	* 1.4796	* 1.5184	* 1.5236	* 1.4683	* 2.7390
10	* 1.4264	* 1.4341	* 1.5132	* 1.5039	* 1.5231	* 1.4308	* 1.4806	* .7683
	* 1.6002	* 1.5909	* 1.5089	* 1.5175	* 1.4855	* 1.5612	* 1.5042	* 2.8702
11	* 1.4563	* 1.5311	* 1.5033	* 1.4828	* 1.3126	* 1.4015	* 1.4681	* .7159
	* 1.5464	* 1.4799	* 1.5182	* 1.5437	* 1.7190	* 1.5781	* 1.5267	* 3.0928
12	* 1.5881	* 1.4793	* 1.5225	* 1.3118	* 1.0995	* 1.3133	* .8976	*
	* 1.4104	* 1.5187	* 1.4862	* 1.7201	* 1.6457	* 1.4875	* 2.3755	*
13	* 1.3939	* 1.4602	* 1.4282	* 1.3988	* 1.3105	* .8012	* .4825	*
	* 1.5998	* 1.5241	* 1.5643	* 1.5807	* 1.4894	* 2.2063	* 4.1030	*
14	* 1.5041	* 1.5139	* 1.4780	* 1.4616	* .8942	* .4814	*	*
	* 1.4757	* 1.4692	* 1.5070	* 1.5342	* 2.3832	* 4.1107	*	*
15	* .7962	* .8051	* .7663	* .6722	* F-SUB-Q			
	* 2.7573	* 2.7304	* 2.8781	* 3.2958	* M-SUB-Q			

AT 75% POWER, 75 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1717	* 1.4355	* 1.4774	* 1.5083	* 1.6560	* 1.4414	* 1.5676	* .8264
	* 1.8275	* 1.6512	* 1.6146	* 1.5550	* 1.4072	* 1.6054	* 1.4666	* 2.7530
9	* 1.4355	* 1.5898	* 1.4856	* 1.5983	* 1.5349	* 1.5168	* 1.5824	* .8377
	* 1.6512	* 1.5272	* 1.6029	* 1.4791	* 1.5242	* 1.5214	* 1.4576	* 2.7193
10	* 1.4776	* 1.4854	* 1.5723	* 1.5694	* 1.5938	* 1.4970	* 1.5587	* .8050
	* 1.6143	* 1.6030	* 1.5177	* 1.5233	* 1.4841	* 1.5598	* 1.4933	* 2.8500
11	* 1.5083	* 1.5979	* 1.5687	* 1.5557	* 1.3929	* 1.5057	* 1.5627	* .7554
	* 1.5550	* 1.4794	* 1.5240	* 1.5438	* 1.7231	* 1.5634	* 1.5156	* 3.0783
12	* 1.6560	* 1.5346	* 1.5931	* 1.3921	* 1.2367	* 1.4525	* .9715	*
	* 1.4072	* 1.5246	* 1.4848	* 1.7243	* 1.6527	* 1.4803	* 2.3556	*
13	* 1.4414	* 1.5165	* 1.4945	* 1.5029	* 1.4502	* .9128	* .5261	*
	* 1.6054	* 1.5218	* 1.5627	* 1.5659	* 1.4822	* 2.2079	* 4.1189	*
14	* 1.5677	* 1.5815	* 1.5551	* 1.5566	* .9681	* .5250	*	*
	* 1.4666	* 1.4584	* 1.4959	* 1.5226	* 2.3629	* 4.1266	*	*
15	* .8275	* .8405	* .8032	* .7111	* F-SUB-Q			
	* 2.7493	* 2.7105	* 2.8569	* 3.2718	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 75 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3248	* 1.5141	* 1.5272	* 1.5580	* 1.7228	* 1.4873	* 1.6327	* .8503
	* 1.8551	* 1.6707	* 1.6501	* 1.5840	* 1.4217	* 1.6323	* 1.4741	* 2.7982
9	* 1.5141	* 1.6638	* 1.5354	* 1.6654	* 1.5881	* 1.5731	* 1.6516	* .8576
	* 1.6707	* 1.5509	* 1.6378	* 1.4969	* 1.5499	* 1.5391	* 1.4656	* 2.7803
10	* 1.5275	* 1.5351	* 1.6322	* 1.6370	* 1.6627	* 1.5625	* 1.6383	* .8266
	* 1.6498	* 1.6381	* 1.5466	* 1.5496	* 1.5032	* 1.5782	* 1.5020	* 2.9190
11	* 1.5580	* 1.6650	* 1.6361	* 1.6300	* 1.4653	* 1.6161	* 1.6610	* .7798
	* 1.5840	* 1.4973	* 1.5504	* 1.5646	* 1.7311	* 1.5526	* 1.5203	* 3.1622
12	* 1.7228	* 1.5877	* 1.6619	* 1.4641	* 1.4108	* 1.6188	* 1.0282	*
	* 1.4217	* 1.5503	* 1.5040	* 1.7323	* 1.6690	* 1.4818	* 2.3952	*
13	* 1.4873	* 1.5722	* 1.5600	* 1.6134	* 1.6164	* 1.0289	* .5620	*
	* 1.6323	* 1.5393	* 1.5810	* 1.5550	* 1.4837	* 2.2531	* 4.2334	*
14	* 1.6327	* 1.6508	* 1.6348	* 1.6549	* 1.0249	* .5610	*	*
	* 1.4741	* 1.4662	* 1.5044	* 1.5257	* 2.4024	* 4.2409	*	*
15	* .8515	* .8605	* .8249	* .7330	* F-SUB-Q			
	* 2.7944	* 2.7710	* 2.9252	* 3.3657	* M-SUB-Q			

AT 75% POWER, 75 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4176	* 1.5882	* 1.5599	* 1.5901	* 1.7652	* 1.5169	* 1.6748	* .8683
	* 1.9139	* 1.7209	* 1.7216	* 1.6482	* 1.4722	* 1.6950	* 1.5191	* 2.8950
9	* 1.5882	* 1.7122	* 1.5682	* 1.7094	* 1.6230	* 1.6131	* 1.6990	* .8750
	* 1.7209	* 1.6116	* 1.7089	* 1.5518	* 1.6103	* 1.5925	* 1.5105	* 2.8801
10	* 1.5601	* 1.5678	* 1.6728	* 1.6848	* 1.7099	* 1.6099	* 1.6983	* .8457
	* 1.7213	* 1.7093	* 1.6107	* 1.6113	* 1.5580	* 1.6323	* 1.5480	* 3.0273
11	* 1.5901	* 1.7089	* 1.6838	* 1.6823	* 1.5254	* 1.6964	* 1.7332	* .8021
	* 1.6482	* 1.5523	* 1.6122	* 1.6228	* 1.7729	* 1.5775	* 1.5442	* 3.2846
12	* 1.7652	* 1.6226	* 1.7090	* 1.5242	* 1.5342	* 1.7340	* 1.0778	*
	* 1.4722	* 1.6108	* 1.5588	* 1.7742	* 1.7031	* 1.5025	* 2.4456	*
13	* 1.5169	* 1.6121	* 1.6066	* 1.6937	* 1.7316	* 1.1135	* .5930	*
	* 1.6950	* 1.5926	* 1.6350	* 1.5800	* 1.5045	* 2.3072	* 4.3429	*
14	* 1.6749	* 1.6980	* 1.6931	* 1.7272	* 1.0745	* .5919	*	*
	* 1.5191	* 1.5110	* 1.5503	* 1.5495	* 2.4527	* 4.3504	*	*
15	* .8695	* .8781	* .8440	* .7542	* F-SUB-Q			
	* 2.8910	* 2.8702	* 3.0334	* 3.4947	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 75 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4590	* 1.6317	* 1.5890	* 1.6169	* 1.8031	* 1.5421	* 1.7139	* .8812
	* 2.0060	* 1.7948	* 1.8143	* 1.7332	* 1.5401	* 1.7789	* 1.5810	* 3.0362
9	* 1.6317	* 1.7533	* 1.5950	* 1.7479	* 1.6524	* 1.6475	* 1.7408	* .8846
	* 1.7948	* 1.6648	* 1.8014	* 1.6252	* 1.6912	* 1.6657	* 1.5722	* 3.0333
10	* 1.5893	* 1.5946	* 1.7070	* 1.7241	* 1.7579	* 1.6549	* 1.7527	* .8563
	* 1.8140	* 1.8019	* 1.6947	* 1.6809	* 1.6325	* 1.7074	* 1.6129	* 3.1926
11	* 1.6169	* 1.7473	* 1.7230	* 1.7253	* 1.5704	* 1.7597	* 1.7936	* .8149
	* 1.7332	* 1.6257	* 1.6820	* 1.6811	* 1.8381	* 1.6249	* 1.5799	* 3.4642
12	* 1.8031	* 1.6518	* 1.7567	* 1.5692	* 1.5998	* 1.8137	* 1.1071	*
	* 1.5401	* 1.6917	* 1.6334	* 1.8395	* 1.7702	* 1.5494	* 2.5525	*
13	* 1.5421	* 1.6466	* 1.6515	* 1.7570	* 1.8113	* 1.1578	* .6112	*
	* 1.7789	* 1.6658	* 1.7102	* 1.6274	* 1.5513	* 2.4090	* 4.5449	*
14	* 1.7140	* 1.7399	* 1.7475	* 1.7876	* 1.1039	* .6101	*	*
	* 1.5810	* 1.5727	* 1.6156	* 1.5854	* 2.5597	* 4.5526	*	*
15	* .8825	* .8877	* .8548	* .7692	F-SUB-Q			
	* 3.0317	* 3.0227	* 3.1985	* 3.6705	M-SUB-Q			

AT 75% POWER, 75 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4597	* 1.6314	* 1.5862	* 1.6117	* 1.7939	* 1.5386	* 1.7076	* .8884
	* 2.1222	* 1.8956	* 1.9479	* 1.8700	* 1.6642	* 1.9142	* 1.7011	* 3.2251
9	* 1.6314	* 1.7483	* 1.5911	* 1.7408	* 1.6497	* 1.6484	* 1.7377	* .8996
	* 1.8956	* 1.7671	* 1.9380	* 1.7563	* 1.8232	* 1.7888	* 1.6910	* 3.1945
10	* 1.5865	* 1.5906	* 1.7048	* 1.7246	* 1.7567	* 1.6622	* 1.7595	* .8733
	* 1.9475	* 1.9386	* 1.8037	* 1.7801	* 1.7380	* 1.8144	* 1.7100	* 3.3602
11	* 1.6117	* 1.7401	* 1.7235	* 1.7235	* 1.5765	* 1.7675	* 1.8008	* .8339
	* 1.8700	* 1.7569	* 1.7813	* 1.7824	* 1.9364	* 1.7111	* 1.6660	* 3.5833
12	* 1.7939	* 1.6488	* 1.7554	* 1.5753	* 1.6146	* 1.8302	* 1.1412	*
	* 1.6642	* 1.8238	* 1.7393	* 1.9379	* 1.8796	* 1.6445	* 2.6357	*
13	* 1.5386	* 1.6475	* 1.6588	* 1.7648	* 1.8278	* 1.1945	* .6306	*
	* 1.9142	* 1.7888	* 1.8181	* 1.7137	* 1.6467	* 2.5181	* 4.7363	*
14	* 1.7077	* 1.7368	* 1.7543	* 1.7949	* 1.1380	* .6295	*	*
	* 1.7011	* 1.6914	* 1.7150	* 1.6715	* 2.6431	* 4.7445	*	*
15	* .8896	* .9029	* .8718	* .7871	F-SUB-Q			
	* 3.2206	* 3.1828	* 3.3658	* 3.7967	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 75 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4732	* 1.6503	* 1.6017	* 1.6300	* 1.8272	* 1.5561	* 1.7432	* .8921 *
	* 2.2342	* 1.9911	* 2.0510	* 1.9937	* 1.7616	* 2.0384	* 1.7924	* 3.4493 *
9	* 1.6503	* 1.7778	* 1.6066	* 1.7717	* 1.6712	* 1.6741	* 1.7750	* .8938 *
	* 1.9911	* 1.8466	* 2.0411	* 1.8463	* 1.9411	* 1.8973	* 1.7822	* 3.4540 *
10	* 1.6020	* 1.6060	* 1.7271	* 1.7505	* 1.7934	* 1.6936	* 1.8019	* .8672 *
	* 2.0506	* 2.0418	* 1.8950	* 1.8668	* 1.8117	* 1.8948	* 1.7767	* 3.6381 *
11	* 1.6300	* 1.7711	* 1.7493	* 1.7548	* 1.6004	* 1.8125	* 1.8485	* .8284 *
	* 1.9936	* 1.8470	* 1.8681	* 1.8629	* 2.0289	* 1.7755	* 1.7274	* 3.8350 *
12	* 1.8272	* 1.6703	* 1.7921	* 1.5999	* 1.6455	* 1.8803	* 1.1367 *	
	* 1.7616	* 1.9418	* 1.8129	* 2.0299	* 1.9603	* 1.7018	* 2.8138 *	
13	* 1.5561	* 1.6732	* 1.6902	* 1.8098	* 1.8779	* 1.1966	* .6267 *	
	* 2.0384	* 1.8972	* 1.8986	* 1.7781	* 1.7040	* 2.6726	* 5.0561 *	
14	* 1.7433	* 1.7741	* 1.7968	* 1.8426	* 1.1336	* .6257 *		
	* 1.7924	* 1.7825	* 1.7817	* 1.7329	* 2.8214	* 5.0643 *		
15	* .8934	* .8970	* .8658	* .7790	F-SUB-Q			
	* 3.4441	* 3.4414	* 3.6438	* 4.0783	M-SUB-Q			

AT 75% POWER, 75 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4650	* 1.6429	* 1.5941	* 1.6246	* 1.8256	* 1.5522	* 1.7456	* .8912 *
	* 2.2947	* 2.0410	* 2.0943	* 2.0436	* 1.8173	* 2.1349	* 1.8986	* 3.7077 *
9	* 1.6428	* 1.7723	* 1.5997	* 1.7696	* 1.6679	* 1.6744	* 1.7788	* .8928 *
	* 2.0410	* 1.8883	* 2.0824	* 1.8824	* 1.9949	* 1.9867	* 1.8689	* 3.7034 *
10	* 1.5945	* 1.5991	* 1.7227	* 1.7485	* 1.7951	* 1.6977	* 1.8102	* .8667 *
	* 2.0939	* 2.0832	* 1.9368	* 1.9096	* 1.8605	* 1.9689	* 1.8481	* 3.8298 *
11	* 1.6246	* 1.7689	* 1.7472	* 1.7540	* 1.5996	* 1.8196	* 1.8587	* .8287 *
	* 2.0435	* 1.8832	* 1.9110	* 1.9038	* 2.0947	* 1.8429	* 1.8021	* 4.0235 *
12	* 1.8256	* 1.6670	* 1.7937	* 1.5983	* 1.6478	* 1.8906	* 1.1399 *	
	* 1.8173	* 1.9957	* 1.8619	* 2.0965	* 2.0451	* 1.7834	* 2.9473 *	
13	* 1.5522	* 1.6736	* 1.6943	* 1.8169	* 1.8881	* 1.2006	* .6268 *	
	* 2.1349	* 1.9877	* 1.9728	* 1.8456	* 1.7858	* 2.8105	* 5.3692 *	
14	* 1.7457	* 1.7780	* 1.8051	* 1.8528	* 1.1368	* .6258 *		
	* 1.8986	* 1.8697	* 1.8533	* 1.8078	* 2.9553	* 5.3780 *		
15	* .8926	* .8960	* .8653	* .7798	F-SUB-Q			
	* 3.7021	* 3.6901	* 3.8358	* 4.2757	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 75 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4392	* 1.6144	* 1.5680	* 1.5992	* 1.7943	* 1.5301	* 1.7199	* .8860
	* 2.2945	* 2.0406	* 2.0895	* 2.0370	* 1.8133	* 2.1215	* 1.8871	* 3.6412
9	* 1.6144	* 1.7388	* 1.5742	* 1.7391	* 1.6433	* 1.6540	* 1.7543	* .8934
	* 2.0406	* 1.8900	* 2.0776	* 1.8808	* 1.9877	* 1.9756	* 1.8603	* 3.6195
10	* 1.5683	* 1.5735	* 1.6965	* 1.7232	* 1.7671	* 1.6791	* 1.7894	* .8684
	* 2.0891	* 2.0785	* 1.9319	* 1.9037	* 1.8573	* 1.9570	* 1.8384	* 3.7509
11	* 1.5993	* 1.7383	* 1.7219	* 1.7261	* 1.5764	* 1.7953	* 1.8367	* .8315
	* 2.0369	* 1.8817	* 1.9051	* 1.9008	* 2.0900	* 1.8378	* 1.7939	* 3.9391
12	* 1.7943	* 1.6423	* 1.7658	* 1.5751	* 1.6276	* 1.8687	* 1.1468	*
	* 1.8133	* 1.9886	* 1.8587	* 2.0917	* 2.0445	* 1.7788	* 2.8835	*
13	* 1.5301	* 1.6532	* 1.6758	* 1.7926	* 1.8662	* 1.2046	* .6292	*
	* 2.1215	* 1.9766	* 1.9609	* 1.8406	* 1.7811	* 2.7663	* 5.2685	*
14	* 1.7199	* 1.7536	* 1.7845	* 1.8310	* 1.1437	* .6282	*	*
	* 1.8870	* 1.8611	* 1.8434	* 1.7995	* 2.8912	* 5.2771	*	*
15	* .8873	* .8968	* .8671	* .7854	F-SUB-Q			
	* 3.6357	* 3.6059	* 3.7563	* 4.1704	M-SUB-Q			

AT 75% POWER, 75 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4290	* 1.6068	* 1.5594	* 1.5939	* 1.8001	* 1.5259	* 1.7311	* .8776
	* 2.2325	* 1.9779	* 2.0156	* 1.9631	* 1.7397	* 2.0460	* 1.8027	* 3.4969
9	* 1.6068	* 1.7393	* 1.5658	* 1.7427	* 1.6401	* 1.6555	* 1.7660	* .8760
	* 1.9779	* 1.8161	* 2.0061	* 1.8052	* 1.9148	* 1.8996	* 1.7779	* 3.5106
10	* 1.5597	* 1.5651	* 1.6924	* 1.7215	* 1.7745	* 1.6837	* 1.8033	* .8500
	* 2.0152	* 2.0069	* 1.8670	* 1.8389	* 1.7848	* 1.8858	* 1.7621	* 3.6425
11	* 1.5940	* 1.7418	* 1.7202	* 1.7291	* 1.5729	* 1.8080	* 1.8545	* .8135
	* 1.9630	* 1.8061	* 1.8403	* 1.8292	* 2.0233	* 1.7675	* 1.7200	* 3.8337
12	* 1.8001	* 1.6390	* 1.7731	* 1.5716	* 1.6275	* 1.8840	* 1.1228	*
	* 1.7397	* 1.9157	* 1.7860	* 2.0249	* 1.9881	* 1.7139	* 2.8352	*
13	* 1.5259	* 1.6547	* 1.6804	* 1.8052	* 1.8815	* 1.1836	* .6132	*
	* 2.0460	* 1.9002	* 1.8892	* 1.7699	* 1.7161	* 2.7168	* 5.1584	*
14	* 1.7312	* 1.7653	* 1.7984	* 1.8487	* 1.1199	* .6122	*	*
	* 1.8027	* 1.7784	* 1.7666	* 1.7249	* 2.8423	* 5.1662	*	*
15	* .8789	* .8789	* .8488	* .7693	F-SUB-Q			
	* 3.4915	* 3.4977	* 3.6470	* 4.0518	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 75 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.4046	* 1.5815	* 1.5349	* 1.5716	* 1.7796	* 1.5054	* 1.7164	* .8654 *
	* 2.0788	* 1.8403	* 1.8734	* 1.8174	* 1.6052	* 1.8889	* 1.6563	* 3.2324 *

9	* 1.5815	* 1.7153	* 1.5417	* 1.7218	* 1.6187	* 1.6378	* 1.7519	* .8626 *
	* 1.8403	* 1.6881	* 1.8646	* 1.6720	* 1.7713	* 1.7540	* 1.6365	* 3.2525 *

10	* 1.5352	* 1.5410	* 1.6691	* 1.6995	* 1.7560	* 1.6683	* 1.7918	* .8356 *
	* 1.8730	* 1.8655	* 1.7346	* 1.7070	* 1.6530	* 1.7437	* 1.6239	* 3.3837 *

11	* 1.5717	* 1.7209	* 1.6981	* 1.7088	* 1.5514	* 1.7931	* 1.8443	* .8000 *
	* 1.8173	* 1.6728	* 1.7084	* 1.6964	* 1.8772	* 1.6294	* 1.5818	* 3.5729 *

12	* 1.7796	* 1.6175	* 1.7545	* 1.5500	* 1.6083	* 1.8713	* 1.1060	*
	* 1.6052	* 1.7722	* 1.6542	* 1.8788	* 1.8394	* 1.5775	* 2.6286	*

13	* 1.5054	* 1.6371	* 1.6650	* 1.7904	* 1.8687	* 1.1660	* .6013	*
	* 1.8889	* 1.7546	* 1.7468	* 1.6317	* 1.5795	* 2.5221	* 4.8102	*

14	* 1.7164	* 1.7512	* 1.7869	* 1.8387	* 1.1031	* .6003	*	*
	* 1.6563	* 1.6370	* 1.6280	* 1.5863	* 2.6352	* 4.8174	*	*

15	* .8667	* .8648	* .8345	* .7567	* F-SUB-Q			
	* 3.2273	* 3.2405	* 3.3878	* 3.7755	* M-SUB-Q			

AT 75% POWER, 75 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.3736	* 1.5480	* 1.5030	* 1.5395	* 1.7449	* 1.4762	* 1.6867	* .8502 *
	* 1.9452	* 1.7196	* 1.7492	* 1.6988	* 1.4982	* 1.7647	* 1.5450	* 3.0202 *

9	* 1.5480	* 1.6799	* 1.5095	* 1.6877	* 1.5869	* 1.6089	* 1.7224	* .8469 *
	* 1.7196	* 1.5735	* 1.7409	* 1.5593	* 1.6547	* 1.6349	* 1.5239	* 3.0360 *

10	* 1.5033	* 1.5087	* 1.6360	* 1.6669	* 1.7232	* 1.6400	* 1.7635	* .8217 *
	* 1.7488	* 1.7418	* 1.6158	* 1.5887	* 1.5377	* 1.6194	* 1.5063	* 3.1530 *

11	* 1.5396	* 1.6868	* 1.6654	* 1.6749	* 1.5208	* 1.7619	* 1.8158	* .7871 *
	* 1.6987	* 1.5602	* 1.5900	* 1.5794	* 1.7516	* 1.5165	* 1.4673	* 3.3142 *

12	* 1.7449	* 1.5857	* 1.7218	* 1.5193	* 1.5785	* 1.8415	* 1.0895	*
	* 1.4982	* 1.6555	* 1.5389	* 1.7531	* 1.7192	* 1.4699	* 2.4432	*

13	* 1.4762	* 1.6083	* 1.6367	* 1.7592	* 1.8390	* 1.1483	* .5909 *	*
	* 1.7647	* 1.6355	* 1.6224	* 1.5187	* 1.4718	* 2.3535	* 4.4962 *	*

14	* 1.6867	* 1.7217	* 1.7587	* 1.8103	* 1.0866	* .5899	*	*
	* 1.5450	* 1.5244	* 1.5102	* 1.4716	* 2.4493	* 4.5031	*	*

15	* .8515	* .8498	* .8206	* .7415	* F-SUB-Q			
	* 3.0155	* 3.0246	* 3.1568	* 3.5165	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 75 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3320	* 1.5010	* 1.4585	* 1.4937	* 1.6889	* 1.4335	* 1.6346	* .8313 *
	* 1.9160	* 1.6962	* 1.7286	* 1.6794	* 1.4849	* 1.7458	* 1.5320	* 2.9722 *
9	* 1.5010	* 1.6254	* 1.4650	* 1.6344	* 1.5404	* 1.5643	* 1.6715	* .8339 *
	* 1.6962	* 1.5597	* 1.7202	* 1.5439	* 1.6353	* 1.6117	* 1.5058	* 2.9652 *
10	* 1.4588	* 1.4642	* 1.5881	* 1.6182	* 1.6696	* 1.5952	* 1.7141	* .8103 *
	* 1.7282	* 1.7211	* 1.5961	* 1.5684	* 1.5207	* 1.5941	* 1.4825	* 3.0677 *
11	* 1.4938	* 1.6334	* 1.6167	* 1.6234	* 1.4764	* 1.7081	* 1.7644	* .7773 *
	* 1.6793	* 1.5447	* 1.5697	* 1.5626	* 1.7244	* 1.4931	* 1.4423	* 3.2180 *
12	* 1.6889	* 1.5393	* 1.6683	* 1.4749	* 1.5334	* 1.7884	* 1.0780	*
	* 1.4849	* 1.6362	* 1.5219	* 1.7260	* 1.6831	* 1.4383	* 2.3531	*
13	* 1.4335	* 1.5637	* 1.5920	* 1.7055	* 1.7859	* 1.1326	* .5834	*
	* 1.7458	* 1.6123	* 1.5971	* 1.4953	* 1.4402	* 2.2636	* 4.3330	*
14	* 1.6347	* 1.6709	* 1.7094	* 1.7590	* 1.0752	* .5825	*	*
	* 1.5320	* 1.5063	* 1.4863	* 1.4465	* 2.3591	* 4.3397	*	*
15	* .8326	* .8372	* .8093	* .7347	* F-SUB-Q			
	* 2.9675	* 2.9537	* 3.0713	* 3.4035	* M-SUB-Q			

AT 75% POWER, 75 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3059	* 1.4752	* 1.4315	* 1.4668	* 1.6683	* 1.4076	* 1.6187	* .8087 *
	* 1.8068	* 1.6002	* 1.6380	* 1.5922	* 1.3996	* 1.6569	* 1.4419	* 2.8517 *
9	* 1.4752	* 1.6050	* 1.4372	* 1.6141	* 1.5141	* 1.5403	* 1.6552	* .8033 *
	* 1.6002	* 1.4661	* 1.6299	* 1.4529	* 1.5481	* 1.5227	* 1.4152	* 2.8750 *
10	* 1.4319	* 1.4364	* 1.5619	* 1.5927	* 1.6499	* 1.5719	* 1.6972	* .7774 *
	* 1.6376	* 1.6308	* 1.5067	* 1.4785	* 1.4279	* 1.5002	* 1.3881	* 2.9782 *
11	* 1.4669	* 1.6131	* 1.5912	* 1.6023	* 1.4495	* 1.6896	* 1.7503	* .7450 *
	* 1.5921	* 1.4537	* 1.4798	* 1.4694	* 1.6302	* 1.3994	* 1.3471	* 3.1162 *
12	* 1.6683	* 1.5129	* 1.6485	* 1.4480	* 1.5080	* 1.7716	* 1.0339	*
	* 1.3996	* 1.5493	* 1.4291	* 1.6318	* 1.5804	* 1.3435	* 2.2749	*
13	* 1.4076	* 1.5396	* 1.5687	* 1.6869	* 1.7690	* 1.0911	* .5573	*
	* 1.6569	* 1.5233	* 1.5031	* 1.4015	* 1.3454	* 2.1727	* 4.2061	*
14	* 1.6188	* 1.6545	* 1.6926	* 1.7448	* 1.0311	* .5564	*	*
	* 1.4419	* 1.4157	* 1.3918	* 1.3512	* 2.2808	* 4.2127	*	*
15	* .8100	* .8055	* .7764	* .7049	* F-SUB-Q			
	* 2.8471	* 2.8671	* 2.9819	* 3.2926	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 75 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2641	* 1.4295	* 1.3865	* 1.4184	* 1.6127	* 1.3619	* 1.5678	* .7816 *
	* 1.7453	* 1.5469	* 1.5901	* 1.5484	* 1.3613	* 1.6112	* 1.4007	* 2.7808 *
9	* 1.4295	* 1.5547	* 1.3911	* 1.5617	* 1.4647	* 1.4924	* 1.6020	* .7752 *
	* 1.5469	* 1.4212	* 1.5820	* 1.4104	* 1.5039	* 1.4769	* 1.3743	* 2.8064 *
10	* 1.3868	* 1.3903	* 1.5137	* 1.5430	* 1.5957	* 1.5221	* 1.6437	* .7498 *
	* 1.5897	* 1.5829	* 1.4593	* 1.4316	* 1.3847	* 1.4521	* 1.3427	* 2.9058 *
11	* 1.4185	* 1.5607	* 1.5415	* 1.5514	* 1.4009	* 1.6331	* 1.6956	* .7186 *
	* 1.5483	* 1.4112	* 1.4330	* 1.4238	* 1.5785	* 1.3540	* 1.3010	* 3.0333 *
12	* 1.6127	* 1.4635	* 1.5942	* 1.3994	* 1.4596	* 1.7156		* .9980 *
	* 1.3613	* 1.5050	* 1.3859	* 1.5802	* 1.5213	* 1.2940		* 2.2027 *
13	* 1.3619	* 1.4917	* 1.5189	* 1.6304	* 1.7131	* 1.0551		* .5372 *
	* 1.6112	* 1.4776	* 1.4551	* 1.3562	* 1.2959	* 2.0964		* 4.0790 *
14	* 1.5678	* 1.6014	* 1.6390	* 1.6902	* .9952	* .5364		
	* 1.4007	* 1.3748	* 1.3464	* 1.3050	* 2.2086	* 4.0855		
15	* .7828	* .7773	* .7488	* .6797	F-SUB-Q			
	* 2.7764	* 2.7987	* 2.9097	* 3.2064	M-SUB-Q			

AT 75% POWER, 75 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2039	* 1.3601	* 1.3201	* 1.3447	* 1.5155	* 1.2939	* 1.4759	* .7485 *
	* 1.7375	* 1.5414	* 1.5862	* 1.5513	* 1.3755	* 1.6113	* 1.4133	* 2.7632 *
9	* 1.3601	* 1.4679	* 1.3236	* 1.4715	* 1.3887	* 1.4167	* 1.5088	* .7481 *
	* 1.5414	* 1.4281	* 1.5785	* 1.4206	* 1.5058	* 1.4766	* 1.3851	* 2.7655 *
10	* 1.3204	* 1.3229	* 1.4396	* 1.4649	* 1.5007	* 1.4409	* 1.5451	* .7260 *
	* 1.5859	* 1.5794	* 1.4553	* 1.4295	* 1.3959	* 1.4533	* 1.3527	* 2.8533 *
11	* 1.3448	* 1.4706	* 1.4636	* 1.4650	* 1.3277	* 1.5313	* 1.5919	* .6962 *
	* 1.5512	* 1.4214	* 1.4308	* 1.4298	* 1.5772	* 1.3666	* 1.3114	* 2.9725 *
12	* 1.5155	* 1.3876	* 1.4993	* 1.3262	* 1.3844	* 1.6126		* .9671 *
	* 1.3755	* 1.5070	* 1.3971	* 1.5789	* 1.5161	* 1.3004		* 2.1515 *
13	* 1.2939	* 1.4159	* 1.4378	* 1.5287	* 1.6102	* 1.0221		* .5221 *
	* 1.6113	* 1.4773	* 1.4565	* 1.3689	* 1.3023	* 2.0450		* 3.9744 *
14	* 1.4759	* 1.5081	* 1.5405	* 1.5866	* .9643	* .5212		
	* 1.4133	* 1.3857	* 1.3568	* 1.3157	* 2.1575	* 3.9810		
15	* .7496	* .7511	* .7249	* .6578	F-SUB-Q			
	* 2.7591	* 2.7549	* 2.8574	* 3.1460	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 75 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1507	* 1.3008	* 1.2605	* 1.2807	* 1.4368	* 1.2338	* 1.4045	* .7081
	* 1.7422	* 1.5441	* 1.5924	* 1.5614	* 1.3907	* 1.6202	* 1.4240	* 2.8051
9	* 1.3008	* 1.3980	* 1.2629	* 1.3993	* 1.3226	* 1.3517	* 1.4345	* .7004
	* 1.5442	* 1.4370	* 1.5859	* 1.4315	* 1.5149	* 1.4826	* 1.3960	* 2.8373
10	* 1.2606	* 1.2623	* 1.3775	* 1.3994	* 1.4228	* 1.3696	* 1.4603	* .6769
	* 1.5922	* 1.5866	* 1.4565	* 1.4327	* 1.4099	* 1.4634	* 1.3701	* 2.9375
11	* 1.2807	* 1.3984	* 1.3981	* 1.3948	* 1.2633	* 1.4465	* 1.5051	* .6464
	* 1.5613	* 1.4323	* 1.4340	* 1.4383	* 1.5862	* 1.3841	* 1.3268	* 3.0713
12	* 1.4368	* 1.3216	* 1.4215	* 1.2619	* 1.3195	* 1.5249	* .8941	*
	* 1.3907	* 1.5160	* 1.4112	* 1.5880	* 1.5209	* 1.3142	* 2.2279	*
13	* 1.2338	* 1.3509	* 1.3665	* 1.4440	* 1.5225	* .9546	* .4840	*
	* 1.6202	* 1.4834	* 1.4667	* 1.3865	* 1.3162	* 2.0947	* 4.1096	*
14	* 1.4045	* 1.4337	* 1.4556	* 1.4997	* .8914	* .4831	*	*
	* 1.4239	* 1.3968	* 1.3744	* 1.3315	* 2.2346	* 4.1166	*	*
15	* .7091	* .7023	* .6758	* .6077	* F-SUB-Q			
	* 2.8012	* 2.8295	* 2.9425	* 3.2671	* M-SUB-Q			

AT 75% POWER, 75 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0508	* 1.1875	* 1.1459	* 1.1719	* 1.2972	* 1.1258	* 1.2677	* .6549
	* 1.8457	* 1.6357	* 1.6945	* 1.6501	* 1.4895	* 1.7177	* 1.5261	* 2.9394
9	* 1.1875	* 1.2636	* 1.1527	* 1.2652	* 1.2059	* 1.2306	* 1.2934	* .6492
	* 1.6357	* 1.5374	* 1.6804	* 1.5304	* 1.6058	* 1.5742	* 1.4972	* 2.9663
10	* 1.1460	* 1.1521	* 1.2569	* 1.2764	* 1.2827	* 1.2436	* 1.3053	* .6249
	* 1.6943	* 1.6811	* 1.5425	* 1.5173	* 1.5112	* 1.5570	* 1.4815	* 3.0831
11	* 1.1719	* 1.2645	* 1.2754	* 1.2621	* 1.1577	* 1.2986	* 1.3398	* .5879
	* 1.6500	* 1.5313	* 1.5185	* 1.5360	* 1.6726	* 1.4893	* 1.4402	* 3.2726
12	* 1.2972	* 1.2049	* 1.2815	* 1.1566	* 1.1987	* 1.3632	* .8084	*
	* 1.4895	* 1.6070	* 1.5126	* 1.6742	* 1.6168	* 1.4196	* 2.3837	*
13	* 1.1258	* 1.2298	* 1.2406	* 1.2963	* 1.3610	* .8675	* .4368	*
	* 1.7177	* 1.5752	* 1.5607	* 1.4919	* 1.4219	* 2.2295	* 4.4115	*
14	* 1.2677	* 1.2926	* 1.3008	* 1.3346	* .8058	* .4360	*	*
	* 1.5261	* 1.4981	* 1.4866	* 1.4458	* 2.3913	* 4.4196	*	*
15	* .6558	* .6508	* .6237	* .5512	* F-SUB-Q			
	* 2.9354	* 2.9592	* 3.0892	* 3.4904	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 75 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8437 *	* .9661 *	* .9074 *	* .9467 *	* 1.1595 *	* .9115 *	* 1.1236 *	* .5494 *
	* 2.2406 *	* 1.9590 *	* 2.0848 *	* 1.9902 *	* 1.6233 *	* 2.0671 *	* 1.6781 *	* 3.4228 *
9	* .9661 *	* 1.1377 *	* .9209 *	* 1.1201 *	* .9625 *	* .9901 *	* 1.1376 *	* .5491 *
	* 1.9590 *	* 1.6634 *	* 2.0492 *	* 1.6820 *	* 1.9576 *	* 1.9061 *	* 1.6582 *	* 3.4255 *
10	* .9075 *	* .9204 *	* 1.0149 *	* 1.0460 *	* 1.0905 *	* 1.0035 *	* 1.1340 *	* .5228 *
	* 2.0846 *	* 2.0502 *	* 1.8601 *	* 1.8024 *	* 1.7291 *	* 1.8791 *	* 1.6634 *	* 3.5981 *
11	* .9467 *	* 1.1195 *	* 1.0452 *	* 1.1254 *	* .9497 *	* 1.1541 *	* 1.0474 *	* .4737 *
	* 1.9901 *	* 1.6828 *	* 1.8037 *	* 1.6746 *	* 1.9851 *	* 1.6320 *	* 1.7961 *	* 3.9693 *
12	* 1.1595 *	* .9620 *	* 1.0896 *	* .9489 *	* .9661 *	* 1.1209 *		* .6552 *
	* 1.6233 *	* 1.9587 *	* 1.7305 *	* 1.9869 *	* 1.9536 *	* 1.6819 *		* 2.8705 *
13	* .9115 *	* .9894 *	* 1.0011 *	* 1.1521 *	* 1.1192 *	* .7053 *		* .3489 *
	* 2.0671 *	* 1.9075 *	* 1.8837 *	* 1.6349 *	* 1.6845 *	* 2.6751 *		* 5.3989 *
14	* 1.1236 *	* 1.1366 *	* 1.1314 *	* 1.0432 *	* .6530 *	* .3482 *		
	* 1.6781 *	* 1.6597 *	* 1.6672 *	* 1.8035 *	* 2.8803 *	* 5.4090 *		
15	* .5494 *	* .5502 *	* .5207 *	* .4476 *	F-SUB-Q			
	* 3.4229 *	* 3.4188 *	* 3.6136 *	* 4.2012 *	M-SUB-Q			

AT 75% POWER, 75 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .3799 *	* .4054 *	* .3785 *	* .4105 *	* .4851 *	* .4042 *	* .4380 *	* .2507 *
	* 4.8690 *	* 4.5628 *	* 4.8845 *	* 4.4860 *	* 3.7937 *	* 4.5609 *	* 4.2068 *	* 7.3542 *
9	* .4054 *	* .4673 *	* .3970 *	* .4844 *	* .4143 *	* .4092 *	* .4415 *	* .2395 *
	* 4.5628 *	* 3.9544 *	* 4.6446 *	* 3.8014 *	* 4.4460 *	* 4.5070 *	* 4.1741 *	* 7.6970 *
10	* .3785 *	* .3968 *	* .4304 *	* .4508 *	* .4864 *	* .4163 *	* .4390 *	* .2291 *
	* 4.8840 *	* 4.6465 *	* 4.2827 *	* 4.0866 *	* 3.7858 *	* 4.4265 *	* 4.1981 *	* 8.0494 *
11	* .4105 *	* .4841 *	* .4506 *	* .4955 *	* .4231 *	* .4762 *	* .4170 *	* .2029 *
	* 4.4862 *	* 3.8032 *	* 4.0883 *	* 3.7154 *	* 4.3532 *	* 3.8665 *	* 4.4152 *	* 9.0862 *
12	* .4851 *	* .4141 *	* .4860 *	* .4228 *	* .4039 *	* .4316 *		* .2838 *
	* 3.7937 *	* 4.4489 *	* 3.7886 *	* 4.3563 *	* 4.5636 *	* 4.2703 *		* 6.4928 *
13	* .4042 *	* .4088 *	* .4155 *	* .4754 *	* .4309 *	* .2996 *		* .1556 *
	* 4.5609 *	* 4.5109 *	* 4.4343 *	* 3.8735 *	* 4.2768 *	* 6.1608 *		* 11.8690 *
14	* .4380 *	* .4411 *	* .4379 *	* .4152 *	* .2828 *	* .1552 *		
	* 4.2068 *	* 4.1785 *	* 4.2083 *	* 4.4346 *	* 6.5156 *	* 11.8955 *		
15	* .2508 *	* .2402 *	* .2286 *	* .1920 *	F-SUB-Q			
	* 7.3495 *	* 7.6744 *	* 8.0675 *	* 9.6009 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 125 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .3142 *	* .3976 *	* .4022 *	* .4343 *	* .4933 *	* .4189 *	* .4364 *	* .2650 *
	* 4.9860 *	* 5.0142 *	* 4.9983 *	* 4.5885 *	* 4.0310 *	* 4.7587 *	* 4.6091 *	* 7.5239 *
9	* .3976 *	* .4541 *	* .4178 *	* .4887 *	* .4323 *	* .4192 *	* .4352 *	* .2525 *
	* 5.0142 *	* 4.5010 *	* 4.8886 *	* 4.0842 *	* 4.6005 *	* 4.7455 *	* 4.6218 *	* 7.8980 *
10	* .4022 *	* .4176 *	* .4349 *	* .4440 *	* .4739 *	* .4090 *	* .4169 *	* .2370 *
	* 4.9989 *	* 4.8903 *	* 4.6904 *	* 4.5572 *	* 4.2037 *	* 4.8403 *	* 4.7305 *	* 8.2877 *
11	* .4343 *	* .4888 *	* .4439 *	* .4699 *	* .3984 *	* .4170 *	* .3768 *	* .1991 *
	* 4.5888 *	* 4.0834 *	* 4.5591 *	* 4.3080 *	* 4.9401 *	* 4.6360 *	* 5.2218 *	* 9.7768 *
12	* .4933 *	* .4323 *	* .4737 *	* .3981 *	* .3107 *	* .3254 *	* .2441 *	
	* 4.0310 *	* 4.6009 *	* 4.2060 *	* 4.9431 *	* 5.0654 *	* 5.0295 *	* 7.4772 *	
13	* .4189 *	* .4191 *	* .4084 *	* .4161 *	* .3244 *	* .2160 *	* .1338 *	
	* 4.7587 *	* 4.7475 *	* 4.8473 *	* 4.6444 *	* 5.0392 *	* 6.7444 *	* 12.3634 *	
14	* .4364 *	* .4349 *	* .4157 *	* .3750 *	* .2429 *	* .1335 *		
	* 4.6091 *	* 4.6248 *	* 4.7459 *	* 5.2474 *	* 7.5088 *	* 12.3872 *		
15	* .2652 *	* .2526 *	* .2362 *	* .1893 *	F-SUB-Q			
	* 7.5196 *	* 7.8955 *	* 8.3195 *	* 10.2913 *	M-SUB-Q			

AT 75% POWER, 125 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .6833 *	* .8913 *	* .9270 *	* .9764 *	* 1.1309 *	* .9406 *	* 1.0711 *	* .5785 *
	* 2.4483 *	* 2.2349 *	* 2.2337 *	* 2.1057 *	* 1.8144 *	* 2.1784 *	* 1.9318 *	* 3.5508 *
9	* .8913 *	* 1.0571 *	* .9413 *	* 1.0858 *	* .9798 *	* .9758 *	* 1.0698 *	* .5851 *
	* 2.2349 *	* 1.9769 *	* 2.2090 *	* 1.8950 *	* 2.0939 *	* 2.1009 *	* 1.9179 *	* 3.4840 *
10	* .9270 *	* .9412 *	* .9983 *	* .9963 *	* 1.0212 *	* .9420 *	* 1.0300 *	* .5501 *
	* 2.2337 *	* 2.2094 *	* 2.0957 *	* 2.0813 *	* 2.0092 *	* 2.1611 *	* 1.9713 *	* 3.6697 *
11	* .9763 *	* 1.0860 *	* .9959 *	* 1.0311 *	* .8784 *	* .9720 *	* .8932 *	* .4866 *
	* 2.1058 *	* 1.8947 *	* 2.0820 *	* 2.0066 *	* 2.2828 *	* 2.0368 *	* 2.2646 *	* 4.1254 *
12	* 1.1309 *	* .9797 *	* 1.0206 *	* .8779 *	* .7148 *	* .8078 *	* .5725 *	
	* 1.8144 *	* 2.0940 *	* 2.0103 *	* 2.2841 *	* 2.2426 *	* 2.0722 *	* 3.2699 *	
13	* .9406 *	* .9754 *	* .9401 *	* .9701 *	* .8058 *	* .5007 *	* .3085 *	
	* 2.1784 *	* 2.1018 *	* 2.1656 *	* 2.0400 *	* 2.0753 *	* 2.9839 *	* 5.5100 *	
14	* 1.0711 *	* 1.0693 *	* 1.0273 *	* .8887 *	* .5699 *	* .3077 *		
	* 1.9318 *	* 1.9189 *	* 1.9768 *	* 2.2767 *	* 3.2822 *	* 5.5199 *		
15	* .5790 *	* .5866 *	* .5483 *	* .4537 *	F-SUB-Q			
	* 3.5477 *	* 3.4813 *	* 3.6825 *	* 4.4255 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 125 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8464	* 1.0966	* 1.1610	* 1.2111	* 1.3092	* 1.1639	* 1.2412	* .7039
	* 2.0513	* 1.8686	* 1.8272	* 1.7392	* 1.6031	* 1.7988	* 1.6820	* 2.9402
9	* 1.0966	* 1.2123	* 1.1739	* 1.2442	* 1.2265	* 1.2123	* 1.2435	* .7142
	* 1.8686	* 1.7601	* 1.8064	* 1.6920	* 1.7143	* 1.7231	* 1.6770	* 2.8965
10	* 1.1610	* 1.1740	* 1.2318	* 1.2224	* 1.2317	* 1.1746	* 1.2042	* .6781
	* 1.8271	* 1.8063	* 1.7211	* 1.7302	* 1.7102	* 1.7756	* 1.7268	* 3.0422
11	* 1.2110	* 1.2442	* 1.2221	* 1.1934	* 1.0809	* 1.1256	* 1.1409	* .6095
	* 1.7393	* 1.6920	* 1.7307	* 1.7734	* 1.9067	* 1.7946	* 1.8176	* 3.3771
12	* 1.3092	* 1.2265	* 1.2313	* 1.0804	* .8852	* 1.0061	* .7283	*
	* 1.6031	* 1.7144	* 1.7108	* 1.9079	* 1.8578	* 1.7386	* 2.6391	*
13	* 1.1639	* 1.2114	* 1.1726	* 1.1234	* 1.0038	* .6317	* .3948	*
	* 1.7988	* 1.7244	* 1.7787	* 1.7975	* 1.7409	* 2.4414	* 4.4336	*
14	* 1.2412	* 1.2431	* 1.2013	* 1.1354	* .7253	* .3938	*	*
	* 1.6820	* 1.6777	* 1.7311	* 1.8269	* 2.6480	* 4.4419	*	*
15	* .7046	* .7162	* .6761	* .5733	* F-SUB-Q			
	* 2.9370	* 2.8886	* 3.0513	* 3.5917	* M-SUB-Q			

AT 75% POWER, 125 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9414	* 1.2265	* 1.2998	* 1.3560	* 1.5036	* 1.3042	* 1.4330	* .7744
	* 1.9057	* 1.7235	* 1.6807	* 1.5986	* 1.4359	* 1.6488	* 1.4918	* 2.7354
9	* 1.2265	* 1.3844	* 1.3126	* 1.4269	* 1.3784	* 1.3683	* 1.4370	* .7787
	* 1.7235	* 1.5877	* 1.6623	* 1.5190	* 1.5699	* 1.5667	* 1.4878	* 2.7224
10	* 1.2999	* 1.3127	* 1.3829	* 1.3790	* 1.4094	* 1.3298	* 1.3985	* .7402
	* 1.6805	* 1.6622	* 1.5773	* 1.5799	* 1.5400	* 1.6141	* 1.5299	* 2.8665
11	* 1.3560	* 1.4268	* 1.3785	* 1.3640	* 1.2053	* 1.3135	* 1.3323	* .6710
	* 1.5987	* 1.5192	* 1.5804	* 1.5991	* 1.7527	* 1.5952	* 1.6036	* 3.1654
12	* 1.5036	* 1.3783	* 1.4090	* 1.2046	* .9976	* 1.1762	* .8119	*
	* 1.4359	* 1.5701	* 1.5406	* 1.7537	* 1.6974	* 1.5462	* 2.4576	*
13	* 1.3042	* 1.3680	* 1.3276	* 1.3111	* 1.1738	* .7059	* .4382	*
	* 1.6488	* 1.5671	* 1.6170	* 1.5975	* 1.5476	* 2.2830	* 4.1686	*
14	* 1.4330	* 1.4366	* 1.3955	* 1.3266	* .8089	* .4372	*	*
	* 1.4918	* 1.4882	* 1.5334	* 1.6111	* 2.4651	* 4.1760	*	*
15	* .7754	* .7810	* .7383	* .6296	* F-SUB-Q			
	* 2.7321	* 2.7145	* 2.8739	* 3.3753	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 125 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0072	* 1.2971	* 1.3691	* 1.4337	* 1.6124	* 1.3765	* 1.5428	* .8195
	* 1.8897	* 1.6993	* 1.6571	* 1.5647	* 1.3843	* 1.6156	* 1.4321	* 2.6736
9	* 1.2971	* 1.4823	* 1.3847	* 1.5315	* 1.4605	* 1.4505	* 1.5485	* .8261
	* 1.6993	* 1.5462	* 1.6379	* 1.4657	* 1.5324	* 1.5294	* 1.4281	* 2.6551
10	* 1.3693	* 1.3847	* 1.4622	* 1.4665	* 1.5116	* 1.4180	* 1.5152	* .7871
	* 1.6568	* 1.6379	* 1.5520	* 1.5462	* 1.4889	* 1.5662	* 1.4606	* 2.7909
11	* 1.4336	* 1.5314	* 1.4658	* 1.4635	* 1.2930	* 1.4353	* 1.4503	* .7162
	* 1.5648	* 1.4659	* 1.5469	* 1.5518	* 1.7137	* 1.5298	* 1.5318	* 3.0691
12	* 1.6124	* 1.4603	* 1.5110	* 1.2923	* 1.0841	* 1.2944	* .8810	*
	* 1.3843	* 1.5326	* 1.4895	* 1.7147	* 1.6608	* 1.4858	* 2.3852	*
13	* 1.3765	* 1.4503	* 1.4158	* 1.4329	* 1.2920	* .7716	* .4742	*
	* 1.6156	* 1.5297	* 1.5689	* 1.5319	* 1.4872	* 2.2335	* 4.0974	*
14	* 1.5427	* 1.5483	* 1.5123	* 1.4451	* .8781	* .4732	*	*
	* 1.4321	* 1.4284	* 1.4637	* 1.5379	* 2.3918	* 4.1043	*	*
15	* .8205	* .8287	* .7854	* .6732	* F-SUB-Q			
	* 2.6701	* 2.6469	* 2.7973	* 3.2669	* M-SUB-Q			

AT 75% POWER, 125 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0810	* 1.3540	* 1.4139	* 1.4818	* 1.6778	* 1.4210	* 1.6106	* .8512
	* 1.9166	* 1.7194	* 1.6733	* 1.5739	* 1.3816	* 1.6214	* 1.4190	* 2.6635
9	* 1.3540	* 1.5498	* 1.4306	* 1.5963	* 1.5119	* 1.5028	* 1.6184	* .8621
	* 1.7194	* 1.5518	* 1.6515	* 1.4632	* 1.5386	* 1.5281	* 1.4140	* 2.6332
10	* 1.4140	* 1.4305	* 1.5151	* 1.5282	* 1.5786	* 1.4792	* 1.5928	* .8239
	* 1.6732	* 1.6516	* 1.5622	* 1.5519	* 1.4873	* 1.5657	* 1.4470	* 2.7683
11	* 1.4818	* 1.5962	* 1.5274	* 1.5319	* 1.3665	* 1.5311	* 1.5360	* .7533
	* 1.5739	* 1.4634	* 1.5527	* 1.5518	* 1.7199	* 1.5186	* 1.5238	* 3.0565
12	* 1.6778	* 1.5116	* 1.5780	* 1.3658	* 1.1838	* 1.4059	* .9467	*
	* 1.3816	* 1.5389	* 1.4879	* 1.7209	* 1.6713	* 1.4809	* 2.3707	*
13	* 1.4210	* 1.5027	* 1.4772	* 1.5288	* 1.4039	* .8577	* .5124	*
	* 1.6214	* 1.5283	* 1.5681	* 1.5206	* 1.4824	* 2.2409	* 4.1225	*
14	* 1.6106	* 1.6183	* 1.5900	* 1.5309	* .9439	* .5115	*	*
	* 1.4191	* 1.4142	* 1.4498	* 1.5294	* 2.3769	* 4.1292	*	*
15	* .8524	* .8650	* .8224	* .7099	* F-SUB-Q			
	* 2.6598	* 2.6247	* 2.7737	* 3.2448	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 125 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1971	* 1.4236	* 1.4576	* 1.5270	* 1.7427	* 1.4623	* 1.6780	* .8778 *
	* 1.9494	* 1.7423	* 1.7122	* 1.6046	* 1.3950	* 1.6504	* 1.4230	* 2.6975 *
9	* 1.4236	* 1.6243	* 1.4747	* 1.6609	* 1.5601	* 1.5523	* 1.6879	* .8813 *
	* 1.7423	* 1.5747	* 1.6895	* 1.4794	* 1.5663	* 1.5490	* 1.4183	* 2.6919 *
10	* 1.4577	* 1.4745	* 1.5685	* 1.5908	* 1.6568	* 1.5393	* 1.6713	* .8441 *
	* 1.7121	* 1.6898	* 1.5943	* 1.5798	* 1.5083	* 1.5864	* 1.4521	* 2.8370 *
11	* 1.5270	* 1.6606	* 1.5899	* 1.6019	* 1.4375	* 1.6365	* 1.6256	* .7750 *
	* 1.6046	* 1.4797	* 1.5807	* 1.5743	* 1.7316	* 1.5098	* 1.5307	* 3.1444 *
12	* 1.7427	* 1.5598	* 1.6558	* 1.4365	* 1.3361	* 1.5603		* .9979 *
	* 1.3950	* 1.5666	* 1.5090	* 1.7327	* 1.6925	* 1.4893		* 2.4181 *
13	* 1.4623	* 1.5522	* 1.5373	* 1.6342	* 1.5583	* .9685	* .5457	
	* 1.6504	* 1.5491	* 1.5887	* 1.5117	* 1.4909	* 2.2940	* 4.2479	
14	* 1.6779	* 1.6879	* 1.6686	* 1.6206	* .9952	* .5447		
	* 1.4230	* 1.4184	* 1.4547	* 1.5353	* 2.4243	* 4.2544		
15	* .8778	* .8842	* .8427	* .7294	* F-SUB-Q			
	* 2.6975	* 2.6830	* 2.8418	* 3.3427	* M-SUB-Q			

AT 75% POWER, 125 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3149	* 1.4910	* 1.4867	* 1.5560	* 1.7833	* 1.4885	* 1.7217	* .8954 *
	* 2.0138	* 1.7972	* 1.7880	* 1.6709	* 1.4445	* 1.7156	* 1.4642	* 2.7909 *
9	* 1.4910	* 1.6754	* 1.5042	* 1.7031	* 1.5914	* 1.5870	* 1.7358	* .8983 *
	* 1.7972	* 1.6246	* 1.7642	* 1.5334	* 1.6289	* 1.6043	* 1.4597	* 2.7886 *
10	* 1.4869	* 1.5039	* 1.6052	* 1.6357	* 1.7124	* 1.5842	* 1.7259	* .8625 *
	* 1.7878	* 1.7646	* 1.6623	* 1.6437	* 1.5617	* 1.6432	* 1.4950	* 2.9433 *
11	* 1.5560	* 1.7028	* 1.6348	* 1.6618	* 1.4978	* 1.7171	* 1.6929	* .7957 *
	* 1.6708	* 1.5337	* 1.6447	* 1.6266	* 1.7765	* 1.5360	* 1.5591	* 3.2704 *
12	* 1.7833	* 1.5911	* 1.7114	* 1.4968	* 1.4751	* 1.6825	* 1.0465	
	* 1.4445	* 1.6293	* 1.5628	* 1.7776	* 1.7274	* 1.5144	* 2.4748	
13	* 1.4885	* 1.5864	* 1.5814	* 1.7149	* 1.6806	* 1.0620	* .5772	
	* 1.7156	* 1.6043	* 1.6454	* 1.5379	* 1.5159	* 2.3553	* 4.3693	
14	* 1.7216	* 1.7348	* 1.7233	* 1.6880	* 1.0438	* .5763		
	* 1.4643	* 1.4597	* 1.4975	* 1.5636	* 2.4808	* 4.3759		
15	* .8954	* .9014	* .8612	* .7492	* F-SUB-Q			
	* 2.7909	* 2.7791	* 2.9480	* 3.4750	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 125 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3637	* 1.5389	* 1.5112	* 1.5807	* 1.8204	* 1.5111	* 1.7618	* .9083
	* 2.1122	* 1.8772	* 1.8855	* 1.7582	* 1.5108	* 1.8006	* 1.5227	* 2.9272
9	* 1.5389	* 1.7186	* 1.5291	* 1.7413	* 1.6182	* 1.6187	* 1.7804	* .9076
	* 1.8772	* 1.6776	* 1.8610	* 1.6055	* 1.7122	* 1.6798	* 1.5188	* 2.9378
10	* 1.5113	* 1.5287	* 1.6370	* 1.6736	* 1.7612	* 1.6274	* 1.7750	* .8728
	* 1.8853	* 1.8614	* 1.7506	* 1.7140	* 1.6201	* 1.7209	* 1.5562	* 3.1056
11	* 1.5807	* 1.7409	* 1.6726	* 1.7125	* 1.5442	* 1.7833	* 1.7509	* .8077
	* 1.7582	* 1.6058	* 1.7151	* 1.6723	* 1.8465	* 1.5832	* 1.5999	* 3.4595
12	* 1.8204	* 1.6178	* 1.7602	* 1.5432	* 1.5500	* 1.7676	* 1.0765	*
	* 1.5108	* 1.7127	* 1.6210	* 1.8477	* 1.7986	* 1.5639	* 2.5880	*
13	* 1.5111	* 1.6181	* 1.6246	* 1.7811	* 1.7657	* 1.1126	* .5970	*
	* 1.8006	* 1.6797	* 1.7231	* 1.5852	* 1.5654	* 2.4643	* 4.5815	*
14	* 1.7618	* 1.7795	* 1.7724	* 1.7461	* 1.0739	* .5961	*	*
	* 1.5227	* 1.5186	* 1.5587	* 1.6044	* 2.5941	* 4.5882	*	*
15	* .9084	* .9107	* .8716	* .7637	F-SUB-Q			
	* 2.9271	* 2.9277	* 3.1100	* 3.6604	M-SUB-Q			

AT 75% POWER, 125 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3692	* 1.5424	* 1.5080	* 1.5763	* 1.8115	* 1.5087	* 1.7568	* .9158
	* 2.2379	* 1.9836	* 2.0289	* 1.8964	* 1.6329	* 1.9330	* 1.6369	* 3.1102
9	* 1.5424	* 1.7130	* 1.5264	* 1.7339	* 1.6148	* 1.6196	* 1.7784	* .9240
	* 1.9836	* 1.7836	* 2.0032	* 1.7360	* 1.8455	* 1.8044	* 1.6330	* 3.0919
10	* 1.5081	* 1.5260	* 1.6360	* 1.6757	* 1.7612	* 1.6352	* 1.7761	* .8910
	* 2.0287	* 2.0037	* 1.8637	* 1.8163	* 1.7185	* 1.8283	* 1.6740	* 3.2672
11	* 1.5763	* 1.7334	* 1.6746	* 1.7131	* 1.5532	* 1.7931	* 1.7587	* .8273
	* 1.8963	* 1.7364	* 1.8174	* 1.7732	* 1.9471	* 1.6704	* 1.6900	* 3.5830
12	* 1.8115	* 1.6143	* 1.7602	* 1.5521	* 1.5696	* 1.7880	* 1.1123	*
	* 1.6329	* 1.8461	* 1.7195	* 1.9484	* 1.9129	* 1.6645	* 2.6759	*
13	* 1.5087	* 1.6190	* 1.6325	* 1.7910	* 1.7862	* 1.1526	* .6180	*
	* 1.9330	* 1.8042	* 1.8314	* 1.6724	* 1.6662	* 2.5776	* 4.7776	*
14	* 1.7568	* 1.7775	* 1.7737	* 1.7540	* 1.1097	* .6171	*	*
	* 1.6370	* 1.6328	* 1.6765	* 1.6946	* 2.6821	* 4.7846	*	*
15	* .9158	* .9273	* .8898	* .7818	F-SUB-Q			
	* 3.1102	* 3.0808	* 3.2713	* 3.7920	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 125 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3837	* 1.5620	* 1.5231	* 1.5946	* 1.8470	* 1.5248	* 1.7971	* .9209 *
	* 2.3572	* 2.0850	* 2.1368	* 2.0224	* 1.7266	* 2.0559	* 1.7220	* 3.3254 *
9	* 1.5620	* 1.7461	* 1.5420	* 1.7685	* 1.6354	* 1.6449	* 1.8185	* .9185 *
	* 2.0850	* 1.8629	* 2.1108	* 1.8315	* 1.9662	* 1.9151	* 1.7209	* 3.3446 *
10	* 1.5233	* 1.5415	* 1.6578	* 1.7019	* 1.8006	* 1.6667	* 1.8183	* .8853 *
	* 2.1366	* 2.1114	* 1.9602	* 1.9064	* 1.7919	* 1.9122	* 1.7452	* 3.5399 *
11	* 1.5947	* 1.7680	* 1.7008	* 1.7516	* 1.5779	* 1.8419	* 1.8057	* .8220 *
	* 2.0224	* 1.8321	* 1.9077	* 1.8488	* 2.0436	* 1.7343	* 1.7555	* 3.8410 *
12	* 1.8470	* 1.6348	* 1.7995	* 1.5769	* 1.6014	* 1.8408	* 1.1090	*
	* 1.7266	* 1.9669	* 1.7929	* 2.0449	* 1.9988	* 1.7242	* 2.8614	*
13	* 1.5248	* 1.6444	* 1.6640	* 1.8397	* 1.8391	* 1.1563	* .6152	*
	* 2.0559	* 1.9149	* 1.9153	* 1.7363	* 1.7258	* 2.7423	* 5.1094	*
14	* 1.7970	* 1.8177	* 1.8158	* 1.8010	* 1.1065	* .6143	*	*
	* 1.7220	* 1.7205	* 1.7476	* 1.7601	* 2.8678	* 5.1165	*	*
15	* .9209	* .9218	* .8842	* .7741	* F-SUB-Q			
	* 3.3254	* 3.3326	* 3.5439	* 4.0791	* M-SUB-Q			

AT 75% POWER, 125 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3786	* 1.5577	* 1.5186	* 1.5917	* 1.8486	* 1.5228	* 1.8039	* .9218 *
	* 2.4338	* 2.1484	* 2.1908	* 2.0847	* 1.7944	* 2.1754	* 1.8400	* 3.5755 *
9	* 1.5577	* 1.7443	* 1.5376	* 1.7700	* 1.6344	* 1.6473	* 1.8266	* .9195 *
	* 2.1484	* 1.9136	* 2.1642	* 1.8786	* 2.0319	* 2.0184	* 1.8204	* 3.5957 *
10	* 1.5187	* 1.5371	* 1.6558	* 1.7024	* 1.8052	* 1.6728	* 1.8278	* .8866 *
	* 2.1905	* 2.1649	* 2.0128	* 1.9592	* 1.8484	* 1.9960	* 1.8228	* 3.7430 *
11	* 1.5918	* 1.7694	* 1.7012	* 1.7551	* 1.5790	* 1.8526	* 1.8176	* .8238 *
	* 2.0847	* 1.8792	* 1.9605	* 1.9025	* 2.1191	* 1.8074	* 1.8406	* 4.0437 *
12	* 1.8486	* 1.6337	* 1.8041	* 1.5779	* 1.6063	* 1.8541	* 1.1143	*
	* 1.7944	* 2.0326	* 1.8494	* 2.1206	* 2.0993	* 1.8166	* 3.0100	*
13	* 1.5228	* 1.6468	* 1.6702	* 1.8505	* 1.8524	* 1.1622	* .6168	*
	* 2.1754	* 2.0189	* 1.9991	* 1.8095	* 1.8183	* 2.9026	* 5.4456	*
14	* 1.8038	* 1.8258	* 1.8254	* 1.8130	* 1.1119	* .6159	*	*
	* 1.8400	* 1.8211	* 1.8251	* 1.8452	* 3.0166	* 5.4530	*	*
15	* .9218	* .9228	* .8856	* .7763	* F-SUB-Q			
	* 3.5754	* 3.5826	* 3.7472	* 4.2911	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 125 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3582	* 1.5350	* 1.4980	* 1.5711	* 1.8219	* 1.5058	* 1.7828	* .9188
	* 2.4299	* 2.1446	* 2.1824	* 2.0744	* 1.7876	* 2.1572	* 1.8231	* 3.5156
9	* 1.5350	* 1.7154	* 1.5170	* 1.7435	* 1.6146	* 1.6310	* 1.8065	* .9234
	* 2.1446	* 1.9135	* 2.1560	* 1.8744	* 2.0208	* 2.0040	* 1.8096	* 3.5069
10	* 1.4982	* 1.5164	* 1.6346	* 1.6820	* 1.7816	* 1.6584	* 1.8086	* .8913
	* 2.1822	* 2.1568	* 2.0050	* 1.9505	* 1.8426	* 1.9815	* 1.8118	* 3.6582
11	* 1.5712	* 1.7429	* 1.6808	* 1.7299	* 1.5613	* 1.8324	* 1.8003	* .8292
	* 2.0743	* 1.8750	* 1.9519	* 1.8995	* 2.1102	* 1.8001	* 1.8300	* 3.9513
12	* 1.8219	* 1.6138	* 1.7805	* 1.5602	* 1.5907	* 1.8363	* 1.1245	*
	* 1.7876	* 2.0216	* 1.8437	* 2.1117	* 2.0902	* 1.8094	* 2.9396	*
13	* 1.5058	* 1.6306	* 1.6558	* 1.8303	* 1.8345	* 1.1695	* .6210	*
	* 2.1572	* 2.0045	* 1.9845	* 1.8022	* 1.8112	* 2.8465	* 5.3346	*
14	* 1.7827	* 1.8058	* 1.8064	* 1.7958	* 1.1221	* .6201	*	*
	* 1.8232	* 1.8103	* 1.8141	* 1.8346	* 2.9460	* 5.3420	*	*
15	* .9188	* .9268	* .8903	* .7842	* F-SUB-Q			
	* 3.5156	* 3.4938	* 3.6618	* 4.1778	* M-SUB-Q			

AT 75% POWER, 125 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3520	* 1.5316	* 1.4941	* 1.5704	* 1.8350	* 1.5048	* 1.8001	* .9137
	* 2.3586	* 2.0754	* 2.1052	* 2.0031	* 1.7176	* 2.0823	* 1.7429	* 3.3898
9	* 1.5316	* 1.7225	* 1.5129	* 1.7547	* 1.6156	* 1.6368	* 1.8264	* .9080
	* 2.0754	* 1.8395	* 2.0827	* 1.8010	* 1.9519	* 1.9333	* 1.7338	* 3.4165
10	* 1.4943	* 1.5123	* 1.6343	* 1.6848	* 1.7950	* 1.6674	* 1.8296	* .8752
	* 2.1050	* 2.0835	* 1.9402	* 1.8876	* 1.7757	* 1.9169	* 1.7389	* 3.5639
11	* 1.5705	* 1.7540	* 1.6836	* 1.7414	* 1.5612	* 1.8520	* 1.8222	* .8133
	* 2.0030	* 1.8016	* 1.8890	* 1.8306	* 2.0490	* 1.7375	* 1.7617	* 3.8562
12	* 1.8350	* 1.6147	* 1.7939	* 1.5601	* 1.5943	* 1.8576	* 1.1042	*
	* 1.7176	* 1.9526	* 1.7767	* 2.0504	* 2.0379	* 1.7475	* 2.8975	*
13	* 1.5048	* 1.6365	* 1.6648	* 1.8498	* 1.8557	* 1.1520	* .6068	*
	* 2.0823	* 1.9337	* 1.9195	* 1.7393	* 1.7491	* 2.8031	* 5.2345	*
14	* 1.8000	* 1.8257	* 1.8274	* 1.8177	* 1.1018	* .6060	*	*
	* 1.7430	* 1.7343	* 1.7409	* 1.7656	* 2.9033	* 5.2412	*	*
15	* .9137	* .9114	* .8744	* .7706	* F-SUB-Q			
	* 3.3897	* 3.4041	* 3.5668	* 4.0679	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 125 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3337	* 1.5128	* 1.4763	* 1.5544	* 1.8223	* 1.4917	* 1.7933	* .9051
	* 2.1760	* 1.9127	* 1.9435	* 1.8469	* 1.5796	* 1.9206	* 1.6025	* 3.1227
9	* 1.5128	* 1.7056	* 1.4949	* 1.7411	* 1.6003	* 1.6254	* 1.8201	* .8980
	* 1.9127	* 1.6926	* 1.9220	* 1.6552	* 1.7982	* 1.7777	* 1.5890	* 3.1546
10	* 1.4765	* 1.4943	* 1.6174	* 1.6693	* 1.7833	* 1.6582	* 1.8242	* .8641
	* 1.9432	* 1.9228	* 1.7866	* 1.7350	* 1.6277	* 1.7546	* 1.5901	* 3.2968
11	* 1.5545	* 1.7404	* 1.6680	* 1.7277	* 1.5456	* 1.8444	* 1.8187	* .8029
	* 1.8468	* 1.6558	* 1.7365	* 1.6793	* 1.8821	* 1.5852	* 1.6041	* 3.5595
12	* 1.8223	* 1.5993	* 1.7822	* 1.5445	* 1.5810	* 1.8518	* 1.0919	*
	* 1.5796	* 1.7989	* 1.6286	* 1.8834	* 1.8669	* 1.5921	* 2.6593	*
13	* 1.4917	* 1.6250	* 1.6557	* 1.8423	* 1.8499	* 1.1390	* .5973	*
	* 1.9206	* 1.7779	* 1.7570	* 1.5868	* 1.5936	* 2.5746	* 4.8257	*
14	* 1.7932	* 1.8195	* 1.8220	* 1.8143	* 1.0896	* .5965	*	*
	* 1.6026	* 1.5894	* 1.5918	* 1.6077	* 2.6646	* 4.8318	*	*
15	* .9051	* .9005	* .8633	* .7610	* F-SUB-Q			
	* 3.1226	* 3.1430	* 3.2995	* 3.7541	* M-SUB-Q			

AT 75% POWER, 125 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3098	* 1.4871	* 1.4520	* 1.5296	* 1.7956	* 1.4713	* 1.7730	* .8935
	* 2.0362	* 1.7887	* 1.8186	* 1.7238	* 1.4697	* 1.7874	* 1.4874	* 2.9072
9	* 1.4871	* 1.6773	* 1.4700	* 1.7141	* 1.5757	* 1.6039	* 1.7981	* .8863
	* 1.7887	* 1.5825	* 1.7982	* 1.5463	* 1.6772	* 1.6552	* 1.4772	* 2.9335
10	* 1.4522	* 1.4693	* 1.5920	* 1.6442	* 1.7580	* 1.6374	* 1.8030	* .8539
	* 1.8184	* 1.7990	* 1.6688	* 1.6187	* 1.5170	* 1.6318	* 1.4788	* 3.0669
11	* 1.5297	* 1.7134	* 1.6429	* 1.7005	* 1.5212	* 1.8210	* 1.7988	* .7938
	* 1.7237	* 1.5469	* 1.6200	* 1.5671	* 1.7552	* 1.4723	* 1.4872	* 3.3103
12	* 1.7956	* 1.5748	* 1.7568	* 1.5201	* 1.5586	* 1.8301	* 1.0810	*
	* 1.4697	* 1.6779	* 1.5179	* 1.7564	* 1.7354	* 1.4744	* 2.4621	*
13	* 1.4713	* 1.6036	* 1.6350	* 1.8189	* 1.8283	* 1.1269	* .5898	*
	* 1.7874	* 1.6555	* 1.6340	* 1.4739	* 1.4758	* 2.3826	* 4.4810	*
14	* 1.7729	* 1.7975	* 1.8005	* 1.7945	* 1.0787	* .5890	*	*
	* 1.4875	* 1.4776	* 1.4804	* 1.4906	* 2.4670	* 4.4867	*	*
15	* .8935	* .8898	* .8532	* .7491	* F-SUB-Q			
	* 2.9071	* 2.9225	* 3.0692	* 3.5063	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 125 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2765	* 1.4490	* 1.4162	* 1.4919	* 1.7464	* 1.4386	* 1.7272	* .8782
	* 2.0118	* 1.7685	* 1.7924	* 1.6982	* 1.4521	* 1.7594	* 1.4687	* 2.8499
9	* 1.4490	* 1.6293	* 1.4336	* 1.6664	* 1.5374	* 1.5676	* 1.7553	* .8781
	* 1.7685	* 1.5691	* 1.7727	* 1.5267	* 1.6515	* 1.6254	* 1.4523	* 2.8522
10	* 1.4164	* 1.4329	* 1.5531	* 1.6040	* 1.7111	* 1.6012	* 1.7605	* .8468
	* 1.7922	* 1.7736	* 1.6466	* 1.5976	* 1.5004	* 1.6058	* 1.4539	* 2.9716
11	* 1.4920	* 1.6656	* 1.6027	* 1.6526	* 1.4839	* 1.7744	* 1.7572	* .7885
	* 1.6981	* 1.5274	* 1.5989	* 1.5530	* 1.7328	* 1.4536	* 1.4643	* 3.2085
12	* 1.7464	* 1.5364	* 1.7099	* 1.4828	* 1.5221	* 1.7857	* 1.0758	*
	* 1.4521	* 1.6523	* 1.5013	* 1.7341	* 1.7077	* 1.4511	* 2.3794	*
13	* 1.4386	* 1.5673	* 1.5987	* 1.7723	* 1.7838	* 1.1178	* .5856	*
	* 1.7594	* 1.6257	* 1.6081	* 1.4552	* 1.4526	* 2.3070	* 4.3451	*
14	* 1.7272	* 1.7547	* 1.7583	* 1.7530	* 1.0735	* .5848	*	*
	* 1.4687	* 1.4527	* 1.4556	* 1.4676	* 2.3843	* 4.3508	*	*
15	* .8783	* .8816	* .8461	* .7464	* F-SUB-Q			
	* 2.8499	* 2.8413	* 2.9738	* 3.3886	* M-SUB-Q			

AT 75% POWER, 125 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2565	* 1.4299	* 1.3956	* 1.4716	* 1.7354	* 1.4198	* 1.7193	* .8590
	* 1.8935	* 1.6654	* 1.6947	* 1.6056	* 1.3626	* 1.6642	* 1.3768	* 2.7232
9	* 1.4299	* 1.6167	* 1.4124	* 1.6540	* 1.5176	* 1.5508	* 1.7476	* .8495
	* 1.6654	* 1.4708	* 1.6758	* 1.4329	* 1.5601	* 1.5317	* 1.3590	* 2.7570
10	* 1.3958	* 1.4116	* 1.5336	* 1.5856	* 1.6993	* 1.5857	* 1.7533	* .8165
	* 1.6945	* 1.6766	* 1.5511	* 1.5024	* 1.4042	* 1.5061	* 1.3579	* 2.8750
11	* 1.4717	* 1.6531	* 1.5842	* 1.6394	* 1.4627	* 1.7652	* 1.7522	* .7594
	* 1.6055	* 1.4336	* 1.5036	* 1.4551	* 1.6341	* 1.3576	* 1.3630	* 3.0973
12	* 1.7354	* 1.5166	* 1.6981	* 1.4615	* 1.5038	* 1.7783	* 1.0374	*
	* 1.3626	* 1.5609	* 1.4051	* 1.6353	* 1.6031	* 1.3541	* 2.2962	*
13	* 1.4198	* 1.5505	* 1.5832	* 1.7630	* 1.7764	* 1.0821	* .5622	*
	* 1.6642	* 1.5319	* 1.5083	* 1.3592	* 1.3555	* 2.2165	* 4.2189	*
14	* 1.7192	* 1.7470	* 1.7516	* 1.7479	* 1.0352	* .5614	*	*
	* 1.3769	* 1.3594	* 1.3595	* 1.3662	* 2.3010	* 4.2244	*	*
15	* .8590	* .8519	* .8158	* .7200	* F-SUB-Q			
	* 2.7232	* 2.7488	* 2.8773	* 3.2663	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 125 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2216	* 1.3915	* 1.3568	* 1.4296	* 1.6854	* 1.3808	* 1.6712	* .8340 *
	* 1.8251	* 1.6067	* 1.6413	* 1.5570	* 1.3211	* 1.6128	* 1.3344	* 2.6471 *
9	* 1.3915	* 1.5713	* 1.3729	* 1.6056	* 1.4746	* 1.5096	* 1.6992	* .8237 *
	* 1.6067	* 1.4231	* 1.6227	* 1.3893	* 1.5122	* 1.4811	* 1.3153	* 2.6823 *
10	* 1.3570	* 1.3722	* 1.4926	* 1.5428	* 1.6507	* 1.5433	* 1.7068	* .7913 *
	* 1.6411	* 1.6235	* 1.4988	* 1.4511	* 1.3581	* 1.4530	* 1.3123	* 2.7957 *
11	* 1.4298	* 1.6048	* 1.5415	* 1.5908	* 1.4206	* 1.7149	* 1.7068	* .7364 *
	* 1.5569	* 1.3900	* 1.4523	* 1.4082	* 1.5785	* 1.3094	* 1.3113	* 3.0040 *
12	* 1.6854	* 1.4736	* 1.6495	* 1.4194	* 1.4629	* 1.7322	* 1.0072	*
	* 1.3211	* 1.5130	* 1.3590	* 1.5798	* 1.5386	* 1.2997	* 2.2144	*
13	* 1.3808	* 1.5093	* 1.5408	* 1.7127	* 1.7302	* 1.0522	* .5449	*
	* 1.6128	* 1.4814	* 1.4553	* 1.3110	* 1.3011	* 2.1308	* 4.0766	*
14	* 1.6711	* 1.6986	* 1.7030	* 1.7025	* 1.0050	* .5442	*	
	* 1.3344	* 1.3158	* 1.3144	* 1.3147	* 2.2192	* 4.0821	*	
15	* .8340	* .8260	* .7906	* .6979	F-SUB-Q			
	* 2.6470	* 2.6747	* 2.7982	* 3.1693	M-SUB-Q			

AT 75% POWER, 125 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1683	* 1.3295	* 1.2957	* 1.3607	* 1.5894	* 1.3172	* 1.5743	* .7981 *
	* 1.8130	* 1.5976	* 1.6353	* 1.5563	* 1.3323	* 1.6088	* 1.3471	* 2.6352 *
9	* 1.3295	* 1.4855	* 1.3111	* 1.5133	* 1.4034	* 1.4385	* 1.6012	* .7980 *
	* 1.5976	* 1.4307	* 1.6162	* 1.4014	* 1.5117	* 1.4768	* 1.3265	* 2.6370 *
10	* 1.2958	* 1.3104	* 1.4251	* 1.4699	* 1.5569	* 1.4674	* 1.6062	* .7691 *
	* 1.6351	* 1.6170	* 1.4916	* 1.4464	* 1.3670	* 1.4502	* 1.3232	* 2.7386 *
11	* 1.3608	* 1.5126	* 1.4686	* 1.4992	* 1.3521	* 1.6138	* 1.6116	* .7171 *
	* 1.5562	* 1.4021	* 1.4477	* 1.4186	* 1.5727	* 1.3189	* 1.3166	* 2.9336 *
12	* 1.5894	* 1.4024	* 1.5558	* 1.3510	* 1.3907	* 1.6386	* .9816	*
	* 1.3323	* 1.5125	* 1.3680	* 1.5740	* 1.5327	* 1.2988	* 2.1541	*
13	* 1.3172	* 1.4382	* 1.4649	* 1.6117	* 1.6367	* 1.0250	* .5324	*
	* 1.6088	* 1.4772	* 1.4526	* 1.3207	* 1.3003	* 2.0709	* 3.9583	*
14	* 1.5742	* 1.6005	* 1.6032	* 1.6073	* .9794	* .5316	*	
	* 1.3472	* 1.3271	* 1.3256	* 1.3201	* 2.1590	* 3.9639	*	
15	* .7994	* .8012	* .7683	* .6783	F-SUB-Q			
	* 2.6311	* 2.6267	* 2.7414	* 3.1009	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 125 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1184	* 1.2734	* 1.2378	* 1.2962	* 1.5083	* 1.2548	* 1.4925	* .7539 *
	* 1.8182	* 1.6008	* 1.6439	* 1.5684	* 1.3474	* 1.6215	* 1.3637	* 2.6825 *
9	* 1.2734	* 1.4138	* 1.2521	* 1.4351	* 1.3367	* 1.3731	* 1.5179	* .7449 *
	* 1.6008	* 1.4427	* 1.6247	* 1.4180	* 1.5234	* 1.4851	* 1.3423	* 2.7160 *
10	* 1.2380	* 1.2516	* 1.3645	* 1.4045	* 1.4761	* 1.3964	* 1.5203	* .7164 *
	* 1.6435	* 1.6253	* 1.4943	* 1.4515	* 1.3824	* 1.4607	* 1.3405	* 2.8258 *
11	* 1.2963	* 1.4345	* 1.4033	* 1.4218	* 1.2884	* 1.5263	* 1.5280	* .6665 *
	* 1.5683	* 1.4186	* 1.4527	* 1.4342	* 1.5824	* 1.3352	* 1.3302	* 3.0318 *
12	* 1.5083	* 1.3359	* 1.4750	* 1.2873	* 1.3271	* 1.5530		* .9098 *
	* 1.3474	* 1.5242	* 1.3834	* 1.5837	* 1.5381	* 1.3128	* 2.2281	*
13	* 1.2548	* 1.3726	* 1.3938	* 1.5241	* 1.5511	* .9598	* .4946	*
	* 1.6215	* 1.4856	* 1.4634	* 1.3370	* 1.3144	* 2.1188	* 4.0895	*
14	* 1.4925	* 1.5172	* 1.5180	* 1.5236	* .9076	* .4938		*
	* 1.3638	* 1.3430	* 1.3425	* 1.3341	* 2.2336	* 4.0956		*
15	* .7550	* .7478	* .7155	* .6305	* F-SUB-Q			
	* 2.6788	* 2.7058	* 2.8293	* 3.2051	* M-SUB-Q			

AT 75% POWER, 125 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0211	* 1.1606	* 1.1240	* 1.1790	* 1.3505	* 1.1407	* 1.3336	* .6903 *
	* 1.9294	* 1.7005	* 1.7535	* 1.6693	* 1.4564	* 1.7272	* 1.4775	* 2.8421 *
9	* 1.1606	* 1.2706	* 1.1406	* 1.2861	* 1.2139	* 1.2469	* 1.3539	* .6824 *
	* 1.7005	* 1.5541	* 1.7270	* 1.5315	* 1.6237	* 1.5827	* 1.4565	* 2.8764 *
10	* 1.1241	* 1.1401	* 1.2431	* 1.2784	* 1.3219	* 1.2638	* 1.3537	* .6555 *
	* 1.7534	* 1.7277	* 1.5871	* 1.5424	* 1.4930	* 1.5610	* 1.4567	* 2.9951 *
11	* 1.1790	* 1.2855	* 1.2774	* 1.2785	* 1.1744	* 1.3603	* 1.3544	* .6045 *
	* 1.6692	* 1.5322	* 1.5435	* 1.5428	* 1.6791	* 1.4480	* 1.4517	* 3.2426 *
12	* 1.3505	* 1.2132	* 1.3209	* 1.1734	* 1.2035	* 1.3846	* .8201	*
	* 1.4564	* 1.6245	* 1.4941	* 1.6804	* 1.6400	* 1.4236	* 2.3937	*
13	* 1.1407	* 1.2464	* 1.2613	* 1.3583	* 1.3830	* .8719	* .4462	*
	* 1.7272	* 1.5833	* 1.5641	* 1.4501	* 1.4254	* 2.2584	* 4.3963	*
14	* 1.3336	* 1.3531	* 1.3514	* 1.3501	* .8180	* .4455		*
	* 1.4776	* 1.4575	* 1.4592	* 1.4564	* 2.4002	* 4.4034		*
15	* .6912	* .6846	* .6546	* .5703	* F-SUB-Q			
	* 2.8381	* 2.8668	* 2.9997	* 3.4375	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 125 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8202 *	* .9403 *	* .8887 *	* .9432 *	* 1.1566 *	* .9142 *	* 1.1422 *	* .5692 *
	* 2.3432 *	* 2.0463 *	* 2.1629 *	* 2.0346 *	* 1.6588 *	* 2.1003 *	* 1.6822 *	* 3.3686 *
9	* .9403 *	* 1.1125 *	* .9082 *	* 1.1171 *	* .9616 *	* .9969 *	* 1.1522 *	* .5698 *
	* 2.0463 *	* 1.7301 *	* 2.1148 *	* 1.7177 *	* 1.9964 *	* 1.9296 *	* 1.6683 *	* 3.3655 *
10	* .8888 *	* .9078 *	* 1.0013 *	* 1.0380 *	* 1.1013 *	* 1.0106 *	* 1.1469 *	* .5388 *
	* 2.1625 *	* 2.1157 *	* 1.9197 *	* 1.8502 *	* 1.7445 *	* 1.9022 *	* 1.6759 *	* 3.5611 *
11	* .9432 *	* 1.1167 *	* 1.0373 *	* 1.1307 *	* .9552 *	* 1.1604 *	* 1.0555 *	* .4846 *
	* 2.0345 *	* 1.7184 *	* 1.8515 *	* 1.6982 *	* 2.0115 *	* 1.6555 *	* 1.8172 *	* 3.9555 *
12	* 1.1566 *	* .9611 *	* 1.1005 *	* .9545 *	* .9664 *	* 1.1222 *	* .6583 *	
	* 1.6588 *	* 1.9974 *	* 1.7457 *	* 2.0130 *	* 1.9899 *	* 1.7122 *	* 2.9126 *	
13	* .9142 *	* .9964 *	* 1.0086 *	* 1.1588 *	* 1.1208 *	* .7057 *	* .3555 *	
	* 2.1003 *	* 1.9305 *	* 1.9060 *	* 1.6577 *	* 1.7143 *	* 2.7238 *	* 5.3959 *	
14	* 1.1422 *	* 1.1515 *	* 1.1462 *	* 1.0519 *	* .6564 *	* .3550 *		
	* 1.6822 *	* 1.6694 *	* 1.6790 *	* 1.8235 *	* 2.9211 *	* 5.4047 *		
15	* .5692 *	* .5711 *	* .5378 *	* .4584 *	F-SUB-Q			
	* 3.3686 *	* 3.3584 *	* 3.5674 *	* 4.1817 *	M-SUB-Q			

AT 75% POWER, 125 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .3729 *	* .3983 *	* .3757 *	* .4100 *	* .4877 *	* .4091 *	* .4493 *	* .2595 *
	* 5.0442 *	* 4.7228 *	* 5.0009 *	* 4.5755 *	* 3.8456 *	* 4.5947 *	* 4.1814 *	* 7.2425 *
9	* .3983 *	* .4608 *	* .3942 *	* .4871 *	* .4152 *	* .4155 *	* .4521 *	* .2483 *
	* 4.7228 *	* 4.0808 *	* 4.7648 *	* 3.8521 *	* 4.5203 *	* 4.5250 *	* 4.1565 *	* 7.5715 *
10	* .3756 *	* .3940 *	* .4290 *	* .4511 *	* .4927 *	* .4215 *	* .4491 *	* .2368 *
	* 5.0016 *	* 4.7663 *	* 4.3772 *	* 4.1612 *	* 3.8094 *	* 4.4567 *	* 4.1840 *	* 7.9393 *
11	* .4100 *	* .4869 *	* .4509 *	* .4992 *	* .4248 *	* .4834 *	* .4258 *	* .2091 *
	* 4.5755 *	* 3.8536 *	* 4.1630 *	* 3.7589 *	* 4.4191 *	* 3.8836 *	* 4.4094 *	* 8.9871 *
12	* .4877 *	* .4150 *	* .4924 *	* .4246 *	* .4081 *	* .4380 *	* .2876 *	
	* 3.8456 *	* 4.5227 *	* 3.8117 *	* 4.4217 *	* 4.6035 *	* 4.2895 *	* 6.5297 *	
13	* .4091 *	* .4152 *	* .4209 *	* .4827 *	* .4375 *	* .3029 *	* .1598 *	
	* 4.5947 *	* 4.5278 *	* 4.4631 *	* 3.8893 *	* 4.2949 *	* 6.2109 *	* 11.7765 *	
14	* .4493 *	* .4518 *	* .4482 *	* .4243 *	* .2868 *	* .1594 *		
	* 4.1814 *	* 4.1596 *	* 4.1925 *	* 4.4265 *	* 6.5497 *	* 11.7998 *		
15	* .2597 *	* .2490 *	* .2364 *	* .1981 *	F-SUB-Q			
	* 7.2380 *	* 7.5494 *	* 7.9539 *	* 9.4897 *	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .3315 *	* .4257 *	* .4406 *	* .4783 *	* .5431 *	* .4677 *	* .4952 *	* .3080 *
	* 4.7392 *	* 4.7882 *	* 4.7241 *	* 4.3245 *	* 3.8032 *	* 4.4376 *	* 4.2216 *	* 6.7329 *
9	* .4257 *	* .4913 *	* .4573 *	* .5373 *	* .4788 *	* .4712 *	* .4935 *	* .2931 *
	* 4.7882 *	* 4.3029 *	* 4.6146 *	* 3.8557 *	* 4.3127 *	* 4.4046 *	* 4.2332 *	* 7.0704 *
10	* .4406 *	* .4572 *	* .4799 *	* .4911 *	* .5279 *	* .4605 *	* .4744 *	* .2754 *
	* 4.7244 *	* 4.6158 *	* 4.3908 *	* 4.2673 *	* 3.9104 *	* 4.4551 *	* 4.3175 *	* 7.4210 *
11	* .4782 *	* .5374 *	* .4909 *	* .5195 *	* .4410 *	* .4691 *	* .4291 *	* .2328 *
	* 4.3247 *	* 3.8549 *	* 4.2686 *	* 4.0314 *	* 4.5760 *	* 4.2943 *	* 4.7437 *	* 8.6602 *
12	* .5431 *	* .4788 *	* .5277 *	* .4408 *	* .3433 *	* .3682 *	* .2754 *	
	* 3.8032 *	* 4.3127 *	* 3.9118 *	* 4.5788 *	* 4.6449 *	* 4.6125 *	* 6.9144 *	
13	* .4677 *	* .4710 *	* .4601 *	* .4683 *	* .3674 *	* .2422 *	* .1569 *	
	* 4.4376 *	* 4.4057 *	* 4.4597 *	* 4.3000 *	* 4.6195 *	* 6.2077 *	* 11.0038 *	
14	* .4952 *	* .4934 *	* .4733 *	* .4274 *	* .2742 *	* .1566 *		
	* 4.2216 *	* 4.2348 *	* 4.3279 *	* 4.7628 *	* 6.9385 *	* 11.0209 *		
15	* .3081 *	* .2933 *	* .2746 *	* .2208 *	F-SUB-Q			
	* 6.7323 *	* 7.0662 *	* 7.4444 *	* 9.1337 *	M-SUB-Q			

AT 75% POWER, 250 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .6962 *	* .9156 *	* .9627 *	* 1.0254 *	* 1.1775 *	* .9984 *	* 1.1510 *	* .6474 *
	* 2.4575 *	* 2.2468 *	* 2.2220 *	* 2.0764 *	* 1.8051 *	* 2.1310 *	* 1.8679 *	* 3.2954 *
9	* .9156 *	* 1.0876 *	* .9798 *	* 1.1401 *	* 1.0340 *	* 1.0442 *	* 1.1486 *	* .6513 *
	* 2.2468 *	* 1.9803 *	* 2.1939 *	* 1.8678 *	* 2.0557 *	* 2.0383 *	* 1.8563 *	* 3.2499 *
10	* .9627 *	* .9796 *	* 1.0427 *	* 1.0494 *	* 1.0968 *	* 1.0105 *	* 1.1069 *	* .6143 *
	* 2.2221 *	* 2.1941 *	* 2.0737 *	* 2.0411 *	* 1.9332 *	* 2.0851 *	* 1.9003 *	* 3.4104 *
11	* 1.0254 *	* 1.1404 *	* 1.0491 *	* 1.0965 *	* .9332 *	* 1.0330 *	* .9591 *	* .5383 *
	* 2.0765 *	* 1.8674 *	* 2.0416 *	* 1.9461 *	* 2.2031 *	* 1.9868 *	* 2.1749 *	* 3.8528 *
12	* 1.1775 *	* 1.0340 *	* 1.0964 *	* .9327 *	* .7632 *	* .8613 *	* .6124 *	
	* 1.8051 *	* 2.0557 *	* 1.9339 *	* 2.2039 *	* 2.1697 *	* 2.0150 *	* 3.1736 *	
13	* .9984 *	* 1.0440 *	* 1.0090 *	* 1.0316 *	* .8596 *	* .5365 *	* .3438 *	
	* 2.1310 *	* 2.0388 *	* 2.0883 *	* 1.9889 *	* 2.0171 *	* 2.8776 *	* 5.1338 *	
14	* 1.1510 *	* 1.1484 *	* 1.1047 *	* .9581 *	* .6101 *	* .3432 *		
	* 1.8679 *	* 1.8567 *	* 1.9043 *	* 2.1775 *	* 3.1830 *	* 5.1410 *		
15	* .6474 *	* .6522 *	* .6127 *	* .5031 *	F-SUB-Q			
	* 3.2954 *	* 3.2465 *	* 3.4197 *	* 4.1233 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8546	* 1.1044	* 1.1796	* 1.2572	* 1.4200	* 1.2158	* 1.3865	* .7867
	* 2.1017	* 1.8993	* 1.8498	* 1.7282	* 1.5263	* 1.7803	* 1.5579	* 2.7263
9	* 1.1044	* 1.2787	* 1.1998	* 1.3517	* 1.2783	* 1.2780	* 1.3854	* .7968
	* 1.8993	* 1.7126	* 1.8179	* 1.6051	* 1.6972	* 1.6898	* 1.5560	* 2.6903
10	* 1.1796	* 1.1999	* 1.2620	* 1.2702	* 1.3136	* 1.2391	* 1.3383	* .7551
	* 1.8498	* 1.8178	* 1.7275	* 1.7112	* 1.6468	* 1.7334	* 1.6004	* 2.8225
11	* 1.2571	* 1.3518	* 1.2698	* 1.2861	* 1.1390	* 1.2512	* 1.1999	* .6638
	* 1.7283	* 1.6050	* 1.7117	* 1.6873	* 1.8495	* 1.6699	* 1.7736	* 3.1883
12	* 1.4200	* 1.2783	* 1.3132	* 1.1386	* .9418	* 1.0657		* .7691
	* 1.5263	* 1.6972	* 1.6473	* 1.8502	* 1.8274	* 1.6696		* 2.5759
13	* 1.2158	* 1.2779	* 1.2375	* 1.2496	* 1.0639	* .6628	* .4300	
	* 1.7803	* 1.6901	* 1.7357	* 1.6716	* 1.6709	* 2.3937	* 4.1944	
14	* 1.3864	* 1.3853	* 1.3359	* 1.1957	* .7667	* .4292		
	* 1.5580	* 1.5561	* 1.6033	* 1.7800	* 2.5825	* 4.2006		
15	* .7876	* .7990	* .7535	* .6255	* F-SUB-Q			
	* 2.7232	* 2.6832	* 2.8287	* 3.3848	* M-SUB-Q			

AT 75% POWER, 250 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9265	* 1.2074	* 1.2925	* 1.3847	* 1.6073	* 1.3367	* 1.5782	* .8605
	* 1.9819	* 1.7768	* 1.7274	* 1.6055	* 1.3786	* 1.6539	* 1.3928	* 2.5367
9	* 1.2074	* 1.4426	* 1.3167	* 1.5324	* 1.4106	* 1.4154	* 1.5772	* .8603
	* 1.7768	* 1.5530	* 1.6935	* 1.4489	* 1.5728	* 1.5565	* 1.3925	* 2.5379
10	* 1.2926	* 1.3169	* 1.3857	* 1.4054	* 1.4904	* 1.3748	* 1.5267	* .8142
	* 1.7272	* 1.6934	* 1.6072	* 1.5818	* 1.4855	* 1.5975	* 1.4333	* 2.6743
11	* 1.3846	* 1.5325	* 1.4048	* 1.4635	* 1.2522	* 1.4270	* 1.3701	* .7153
	* 1.6055	* 1.4488	* 1.5824	* 1.5172	* 1.7160	* 1.4992	* 1.5855	* 3.0277
12	* 1.6073	* 1.4106	* 1.4900	* 1.2516	* 1.0361	* 1.2119		* .8352
	* 1.3786	* 1.5729	* 1.4860	* 1.7167	* 1.6944	* 1.5053		* 2.4340
13	* 1.3367	* 1.4154	* 1.3733	* 1.4253	* 1.2102	* .7179	* .4632	
	* 1.6539	* 1.5565	* 1.5993	* 1.5004	* 1.5061	* 2.2768	* 4.0081	
14	* 1.5782	* 1.5773	* 1.5245	* 1.3660	* .8328	* .4624		
	* 1.3928	* 1.3925	* 1.4355	* 1.5905	* 2.4393	* 4.0135		
15	* .8605	* .8628	* .8129	* .6724	* F-SUB-Q			
	* 2.5368	* 2.5307	* 2.6789	* 3.2221	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9617	* 1.2444	* 1.3326	* 1.4338	* 1.6849	* 1.3813	* 1.6619	* .8948 *
	* 1.9886	* 1.7754	* 1.7249	* 1.5925	* 1.3497	* 1.6413	* 1.3573	* 2.5049 *
9	* 1.2444	* 1.5109	* 1.3596	* 1.6120	* 1.4626	* 1.4689	* 1.6611	* .8970 *
	* 1.7754	* 1.5292	* 1.6899	* 1.4152	* 1.5571	* 1.5411	* 1.3576	* 2.5003 *
10	* 1.3326	* 1.3597	* 1.4324	* 1.4609	* 1.5709	* 1.4314	* 1.6115	* .8493 *
	* 1.7248	* 1.6899	* 1.6023	* 1.5668	* 1.4474	* 1.5733	* 1.3923	* 2.6332 *
11	* 1.4338	* 1.6120	* 1.4603	* 1.5461	* 1.3063	* 1.5090	* 1.4463	* .7454 *
	* 1.5926	* 1.4152	* 1.5675	* 1.4784	* 1.7003	* 1.4628	* 1.5430	* 2.9789 *
12	* 1.6849	* 1.4625	* 1.5705	* 1.3058	* 1.0862	* 1.2832	* .8772 *	
	* 1.3497	* 1.5572	* 1.4478	* 1.7010	* 1.6836	* 1.4767	* 2.3996 *	
13	* 1.3813	* 1.4691	* 1.4301	* 1.5076	* 1.2817	* .7523	* .4833 *	
	* 1.6413	* 1.5410	* 1.5749	* 1.4638	* 1.4774	* 2.2626	* 3.9993 *	
14	* 1.6619	* 1.6614	* 1.6095	* 1.4426	* .8751	* .4825 *		
	* 1.3573	* 1.3575	* 1.3942	* 1.5472	* 2.4043	* 4.0043 *		
15	* .8948	* .8998	* .8482	* .7021	* F-SUB-Q			
	* 2.5050	* 2.4927	* 2.6370	* 3.1633	* M-SUB-Q			

AT 75% POWER, 250 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9870	* 1.2640	* 1.3481	* 1.4517	* 1.7154	* 1.3981	* 1.6978	* .9107 *
	* 2.0359	* 1.8145	* 1.7618	* 1.6226	* 1.3663	* 1.6625	* 1.3644	* 2.5283 *
9	* 1.2640	* 1.5418	* 1.3762	* 1.6459	* 1.4824	* 1.4896	* 1.6978	* .9186 *
	* 1.8145	* 1.5526	* 1.7238	* 1.4309	* 1.5845	* 1.5609	* 1.3641	* 2.5086 *
10	* 1.3482	* 1.3762	* 1.4521	* 1.4872	* 1.6082	* 1.4572	* 1.6519	* .8708 *
	* 1.7617	* 1.7239	* 1.6328	* 1.5930	* 1.4633	* 1.5967	* 1.4014	* 2.6446 *
11	* 1.4517	* 1.6458	* 1.4865	* 1.5878	* 1.3437	* 1.5547	* 1.4804	* .7653 *
	* 1.6226	* 1.4310	* 1.5938	* 1.4928	* 1.7278	* 1.4755	* 1.5682	* 3.0090 *
12	* 1.7154	* 1.4823	* 1.6078	* 1.3432	* 1.1230	* 1.3288	* .9100 *	
	* 1.3663	* 1.5847	* 1.4638	* 1.7284	* 1.7183	* 1.4974	* 2.4202 *	
13	* 1.3981	* 1.4899	* 1.4561	* 1.5534	* 1.3274	* .7847	* .5016 *	
	* 1.6625	* 1.5607	* 1.5980	* 1.4765	* 1.4982	* 2.3025	* 4.0781 *	
14	* 1.6978	* 1.6981	* 1.6502	* 1.4771	* .9080	* .5008 *		
	* 1.3644	* 1.3638	* 1.4030	* 1.5720	* 2.4245	* 4.0829 *		
15	* .9119	* .9216	* .8699	* .7229	* F-SUB-Q			
	* 2.5249	* 2.5008	* 2.6476	* 3.1862	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0193	* 1.2930	* 1.3646	* 1.4687	* 1.7475	* 1.4139	* 1.7345	* .9194 *
	* 2.0871	* 1.8539	* 1.8218	* 1.6734	* 1.3978	* 1.7071	* 1.3852	* 2.5973 *
9	* 1.2930	* 1.5839	* 1.3934	* 1.6829	* 1.5010	* 1.5092	* 1.7357	* .9199 *
	* 1.8539	* 1.5881	* 1.7820	* 1.4626	* 1.6325	* 1.6016	* 1.3856	* 2.5994 *
10	* 1.3647	* 1.3933	* 1.4748	* 1.5168	* 1.6505	* 1.4834	* 1.6954	* .8747 *
	* 1.8217	* 1.7822	* 1.6852	* 1.6405	* 1.4958	* 1.6404	* 1.4262	* 2.7437 *
11	* 1.4687	* 1.6828	* 1.5161	* 1.6374	* 1.3730	* 1.6127	* 1.5265	* .7704 *
	* 1.6734	* 1.4628	* 1.6413	* 1.5221	* 1.7595	* 1.4886	* 1.6029	* 3.1373 *
12	* 1.7475	* 1.5009	* 1.6501	* 1.3724	* 1.1722	* 1.3992	* .9312 *	
	* 1.3978	* 1.6327	* 1.4962	* 1.7602	* 1.7616	* 1.5222	* 2.5007 *	
13	* 1.4139	* 1.5095	* 1.4824	* 1.6115	* 1.3979	* .8267	* .5166 *	
	* 1.7071	* 1.6013	* 1.6417	* 1.4896	* 1.5229	* 2.3860	* 4.2522 *	
14	* 1.7344	* 1.7362	* 1.6938	* 1.5234	* .9294	* .5159 *		
	* 1.3853	* 1.3853	* 1.4276	* 1.6059	* 2.5050	* 4.2569 *		
15	* .9207	* .9230	* .8741	* .7270	* F-SUB-Q			
	* 2.5938	* 2.5910	* 2.7461	* 3.3257	* M-SUB-Q			

AT 75% POWER, 250 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1066	* 1.3277	* 1.3744	* 1.4754	* 1.7615	* 1.4193	* 1.7508	* .9241 *
	* 2.1646	* 1.9211	* 1.9164	* 1.7571	* 1.4611	* 1.7855	* 1.4396	* 2.7105 *
9	* 1.3277	* 1.6165	* 1.4030	* 1.7025	* 1.5090	* 1.5168	* 1.7537	* .9238 *
	* 1.9211	* 1.6405	* 1.8749	* 1.5286	* 1.7129	* 1.6746	* 1.4404	* 2.7162 *
10	* 1.3745	* 1.4028	* 1.4893	* 1.5385	* 1.6794	* 1.4996	* 1.7209	* .8802 *
	* 1.9163	* 1.8751	* 1.7715	* 1.7214	* 1.5631	* 1.7171	* 1.4844	* 2.8729 *
11	* 1.4754	* 1.7023	* 1.5377	* 1.6752	* 1.4115	* 1.6644	* 1.5620	* .7784 *
	* 1.7571	* 1.5287	* 1.7224	* 1.5669	* 1.8190	* 1.5302	* 1.6498	* 3.2962 *
12	* 1.7615	* 1.5088	* 1.6789	* 1.4109	* 1.2864	* 1.5026	* .9628 *	
	* 1.4611	* 1.7132	* 1.5635	* 1.8197	* 1.8170	* 1.5631	* 2.5814 *	
13	* 1.4193	* 1.5172	* 1.4987	* 1.6633	* 1.5017	* .9131	* .5404 *	
	* 1.7855	* 1.6742	* 1.7183	* 1.5310	* 1.5639	* 2.4709	* 4.4098 *	
14	* 1.7508	* 1.7543	* 1.7195	* 1.5592	* .9611	* .5397 *		
	* 1.4396	* 1.4399	* 1.4857	* 1.6526	* 2.5855	* 4.4146 *		
15	* .9253	* .9270	* .8795	* .7349	* F-SUB-Q			
	* 2.7068	* 2.7070	* 2.8751	* 3.4924	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.1984	* 1.3738	* 1.3866	* 1.4839	* 1.7789	* 1.4253	* 1.7693	* .9266 *
	* 2.2728	* 2.0111	* 2.0306	* 1.8594	* 1.5383	* 1.8842	* 1.5083	* 2.8614 *

9	* 1.3738	* 1.6544	* 1.4148	* 1.7254	* 1.5196	* 1.5260	* 1.7737	* .9225 *
	* 2.0111	* 1.6992	* 1.9876	* 1.6091	* 1.8117	* 1.7657	* 1.5096	* 2.8805 *

10	* 1.3867	* 1.4146	* 1.5067	* 1.5625	* 1.7138	* 1.5194	* 1.7485	* .8805 *
	* 2.0305	* 1.9879	* 1.8715	* 1.7974	* 1.6292	* 1.8126	* 1.5576	* 3.0526 *

11	* 1.4839	* 1.7252	* 1.5616	* 1.7164	* 1.4514	* 1.7195	* 1.6001	* .7819 *
	* 1.8593	* 1.6094	* 1.7984	* 1.6248	* 1.9007	* 1.5889	* 1.7101	* 3.5134 *

12	* 1.7789	* 1.5193	* 1.7134	* 1.4508	* 1.3836	* 1.6146	* .9887 *	
	* 1.5383	* 1.8120	* 1.6296	* 1.9014	* 1.9011	* 1.6248	* 2.7157 *	

13	* 1.4253	* 1.5265	* 1.5180	* 1.7185	* 1.6138	* .9909	* .5617 *	
	* 1.8842	* 1.7652	* 1.8138	* 1.5898	* 1.6256	* 2.5994	* 4.6495 *	

14	* 1.7693	* 1.7744	* 1.7472	* 1.5973	* .9871	* .5611 *		
	* 1.5083	* 1.5090	* 1.5588	* 1.7131	* 2.7198	* 4.6544 *		

15	* .9279	* .9257	* .8800	* .7417	* F-SUB-Q			
	* 2.8574	* 2.8706	* 3.0545	* 3.7045	* M-SUB-Q			

AT 75% POWER, 250 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.2304	* 1.3958	* 1.3809	* 1.4729	* 1.7607	* 1.4149	* 1.7515	* .9279 *
	* 2.4135	* 2.1308	* 2.1733	* 2.0082	* 1.6650	* 2.0276	* 1.6264	* 3.0485 *

9	* 1.3958	* 1.6518	* 1.4089	* 1.7110	* 1.5114	* 1.5157	* 1.7571	* .9338 *
	* 2.1308	* 1.8060	* 2.1281	* 1.7433	* 1.9564	* 1.9008	* 1.6281	* 3.0371 *

10	* 1.3810	* 1.4087	* 1.5165	* 1.5615	* 1.7094	* 1.5203	* 1.7384	* .8939 *
	* 2.1732	* 2.1285	* 1.9687	* 1.9067	* 1.7316	* 1.9263	* 1.6817	* 3.2194 *

11	* 1.4729	* 1.7108	* 1.5606	* 1.7167	* 1.4639	* 1.7298	* 1.6023	* .7976 *
	* 2.0082	* 1.7436	* 1.9077	* 1.7250	* 2.0138	* 1.6859	* 1.8128	* 3.6506 *

12	* 1.7607	* 1.5111	* 1.7090	* 1.4633	* 1.4334	* 1.6548	* 1.0255 *	
	* 1.6650	* 1.9567	* 1.7321	* 2.0146	* 2.0307	* 1.7382	* 2.8189 *	

13	* 1.4149	* 1.5157	* 1.5189	* 1.7289	* 1.6540	* 1.0485	* .5872 *	
	* 2.0276	* 1.9002	* 1.9280	* 1.6868	* 1.7390	* 2.7224	* 4.8589 *	

14	* 1.7515	* 1.7578	* 1.7373	* 1.5997	* 1.0240	* .5866 *		
	* 1.6264	* 1.6275	* 1.6830	* 1.8158	* 2.8234	* 4.8638 *		

15	* .9292	* .9371	* .8934	* .7558	* F-SUB-Q			
	* 3.0443	* 3.0263	* 3.2210	* 3.8531	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2532	* 1.4205	* 1.3924	* 1.4847	* 1.7879	* 1.4240	* 1.7812	* .9283
	* 2.5387	* 2.2377	* 2.2923	* 2.1436	* 1.7640	* 2.1624	* 1.7157	* 3.2671
9	* 1.4205	* 1.6871	* 1.4207	* 1.7421	* 1.5261	* 1.5302	* 1.7879	* .9233
	* 2.2377	* 1.8841	* 2.2452	* 1.8244	* 2.0818	* 2.0237	* 1.7176	* 3.2938
10	* 1.3925	* 1.4204	* 1.5215	* 1.5835	* 1.7454	* 1.5434	* 1.7740	* .8840
	* 2.2921	* 2.2456	* 2.0902	* 2.0030	* 1.8071	* 2.0211	* 1.7550	* 3.4972
11	* 1.4848	* 1.7418	* 1.5825	* 1.7572	* 1.4867	* 1.7747	* 1.6398	* .7897
	* 2.1436	* 1.8246	* 2.0042	* 1.7978	* 2.1169	* 1.7556	* 1.8894	* 3.9239
12	* 1.7879	* 1.5257	* 1.7450	* 1.4861	* 1.4650	* 1.7100	* 1.0237	*
	* 1.7640	* 2.0823	* 1.8075	* 2.1178	* 2.1267	* 1.8051	* 3.0217	*
13	* 1.4240	* 1.5303	* 1.5421	* 1.7738	* 1.7092	* 1.0588	* .5875	*
	* 2.1624	* 2.0230	* 2.0228	* 1.7565	* 1.8060	* 2.9095	* 5.2114	*
14	* 1.7812	* 1.7887	* 1.7729	* 1.6372	* 1.0222	* .5870	*	*
	* 1.7157	* 1.7169	* 1.7561	* 1.8925	* 3.0260	* 5.2166	*	*
15	* .9296	* .9266	* .8836	* .7457	F-SUB-Q			
	* 3.2625	* 3.2820	* 3.4988	* 4.1556	M-SUB-Q			

AT 75% POWER, 250 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2555	* 1.4233	* 1.3905	* 1.4820	* 1.7886	* 1.4215	* 1.7841	* .9280
	* 2.6851	* 2.3696	* 2.4276	* 2.2769	* 1.8858	* 2.3299	* 1.8419	* 3.5111
9	* 1.4233	* 1.6914	* 1.4187	* 1.7448	* 1.5250	* 1.5298	* 1.7917	* .9233
	* 2.3696	* 1.9953	* 2.3782	* 1.9334	* 2.2118	* 2.1773	* 1.8437	* 3.5386
10	* 1.3906	* 1.4184	* 1.5248	* 1.5859	* 1.7514	* 1.5475	* 1.7806	* .8847
	* 2.4274	* 2.3787	* 2.2109	* 2.1245	* 1.9214	* 2.1548	* 1.8653	* 3.7451
11	* 1.4820	* 1.7445	* 1.5849	* 1.7649	* 1.4903	* 1.7861	* 1.6494	* .7913
	* 2.2769	* 1.9337	* 2.1258	* 1.9076	* 2.2550	* 1.8681	* 2.0103	* 4.1827
12	* 1.7886	* 1.5246	* 1.7510	* 1.4897	* 1.4740	* 1.7264	* 1.0311	*
	* 1.8858	* 2.2124	* 1.9219	* 2.2559	* 2.2666	* 1.9186	* 3.2150	*
13	* 1.4215	* 1.5300	* 1.5462	* 1.7852	* 1.7256	* 1.0689	* .5918	*
	* 2.3299	* 2.1781	* 2.1566	* 1.8691	* 1.9195	* 3.0947	* 5.5500	*
14	* 1.7841	* 1.7924	* 1.7796	* 1.6470	* 1.0297	* .5913	*	*
	* 1.8420	* 1.8428	* 1.8664	* 2.0133	* 3.2194	* 5.5553	*	*
15	* .9293	* .9267	* .8843	* .7478	F-SUB-Q			
	* 3.5061	* 3.5258	* 3.7466	* 4.4269	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.2450	* 1.4114	* 1.3779	* 1.4680	* 1.7688	* 1.4101	* 1.7667	* .9271
	* 2.6499	* 2.3315	* 2.3715	* 2.2247	* 1.8489	* 2.3136	* 1.8518	* 3.5030

9	* 1.4114	* 1.6729	* 1.4060	* 1.7253	* 1.5115	* 1.5184	* 1.7752	* .9300
	* 2.3315	* 1.9633	* 2.3264	* 1.8994	* 2.1657	* 2.1576	* 1.8464	* 3.4946

10	* 1.3780	* 1.4057	* 1.5253	* 1.5731	* 1.7347	* 1.5373	* 1.7653	* .8919
	* 2.3713	* 2.3270	* 2.1532	* 2.0891	* 1.8979	* 2.1428	* 1.8627	* 3.6598

11	* 1.4680	* 1.7250	* 1.5721	* 1.7478	* 1.4803	* 1.7723	* 1.6371	* .7989
	* 2.2246	* 1.8997	* 2.0904	* 1.8863	* 2.2290	* 1.8672	* 2.0173	* 4.0977

12	* 1.7688	* 1.5111	* 1.7343	* 1.4797	* 1.4655	* 1.7161	* 1.0447	*
	* 1.8489	* 2.1663	* 1.8984	* 2.2298	* 2.2653	* 1.9411	* 3.1653	*

13	* 1.4101	* 1.5187	* 1.5361	* 1.7715	* 1.7153	* 1.0810	* .5990	*
	* 2.3136	* 2.1572	* 2.1444	* 1.8680	* 1.9420	* 3.0802	* 5.5145	*

14	* 1.7667	* 1.7754	* 1.7644	* 1.6349	* 1.0434	* .5984	*	*
	* 1.8519	* 1.8455	* 1.8637	* 2.0200	* 3.1694	* 5.5197	*	*

15	* .9284	* .9334	* .8916	* .7577	F-SUB-Q			
	* 3.4980	* 3.4819	* 3.6607	* 4.3200	M-SUB-Q			

AT 75% POWER, 250 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.2474	* 1.4169	* 1.3808	* 1.4735	* 1.7883	* 1.4151	* 1.7912	* .9251
	* 2.5546	* 2.2425	* 2.2755	* 2.1305	* 1.7584	* 2.2053	* 1.7477	* 3.3482

9	* 1.4168	* 1.6922	* 1.4089	* 1.7461	* 1.5182	* 1.5264	* 1.8007	* .9173
	* 2.2425	* 1.8730	* 2.2341	* 1.8075	* 2.0757	* 2.0601	* 1.7478	* 3.3824

10	* 1.3809	* 1.4086	* 1.5188	* 1.5827	* 1.7564	* 1.5487	* 1.7915	* .8786
	* 2.2753	* 2.2347	* 2.0869	* 2.0043	* 1.8097	* 2.0539	* 1.7693	* 3.5679

11	* 1.4735	* 1.7458	* 1.5816	* 1.7706	* 1.4858	* 1.7969	* 1.6602	* .7859
	* 2.1304	* 1.8079	* 2.0056	* 1.7998	* 2.1482	* 1.7833	* 1.9242	* 4.0108

12	* 1.7883	* 1.5178	* 1.7560	* 1.4852	* 1.4741	* 1.7413	* 1.0290	*
	* 1.7584	* 2.0763	* 1.8102	* 2.1491	* 2.1922	* 1.8548	* 3.1148	*

13	* 1.4151	* 1.5267	* 1.5476	* 1.7961	* 1.7405	* 1.0682	* .5878	*
	* 2.2053	* 2.0591	* 2.0554	* 1.7841	* 1.8556	* 3.0221	* 5.3972	*

14	* 1.7912	* 1.8009	* 1.7906	* 1.6580	* 1.0277	* .5873	*	*
	* 1.7477	* 1.7468	* 1.7701	* 1.9267	* 3.1187	* 5.4018	*	*

15	* .9264	* .9208	* .8784	* .7472	F-SUB-Q			
	* 3.3434	* 3.3701	* 3.5685	* 4.2165	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2416	* 1.4119	* 1.3753	* 1.4695	* 1.7893	* 1.4124	* 1.7965	* .9231
	* 2.3500	* 2.0636	* 2.1040	* 1.9749	* 1.6278	* 2.0481	* 1.6199	* 3.1011
9	* 1.4119	* 1.6920	* 1.4033	* 1.7474	* 1.5147	* 1.5247	* 1.8065	* .9128
	* 2.0636	* 1.7241	* 2.0667	* 1.6712	* 1.9229	* 1.9109	* 1.6178	* 3.1394
10	* 1.3755	* 1.4029	* 1.5135	* 1.5801	* 1.7588	* 1.5488	* 1.7978	* .8737
	* 2.1038	* 2.0672	* 1.9299	* 1.8522	* 1.6711	* 1.8986	* 1.6358	* 3.3069
11	* 1.4695	* 1.7471	* 1.5790	* 1.7729	* 1.4819	* 1.8014	* 1.6658	* .7809
	* 1.9749	* 1.6715	* 1.8534	* 1.6592	* 1.9828	* 1.6415	* 1.7689	* 3.7019
12	* 1.7893	* 1.5143	* 1.7584	* 1.4812	* 1.4714	* 1.7464	* 1.0243	*
	* 1.6278	* 1.9234	* 1.6714	* 1.9836	* 2.0189	* 1.7024	* 2.8619	*
13	* 1.4124	* 1.5250	* 1.5477	* 1.8007	* 1.7456	* 1.0630	* .5827	*
	* 2.0481	* 1.9100	* 1.8997	* 1.6421	* 1.7031	* 2.7757	* 4.9805	*
14	* 1.7964	* 1.8068	* 1.7970	* 1.6636	* 1.0230	* .5822	*	*
	* 1.6199	* 1.6169	* 1.6364	* 1.7710	* 2.8652	* 4.9847	*	*
15	* .9244	* .9162	* .8735	* .7428	F-SUB-Q			
	* 3.0966	* 3.1279	* 3.3072	* 3.8906	M-SUB-Q			

AT 75% POWER, 250 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2336	* 1.4041	* 1.3678	* 1.4620	* 1.7832	* 1.4066	* 1.7931	* .9209
	* 2.1823	* 1.9147	* 1.9537	* 1.8260	* 1.5021	* 1.8948	* 1.4950	* 2.8661
9	* 1.4041	* 1.6847	* 1.3955	* 1.7407	* 1.5074	* 1.5194	* 1.8032	* .9118
	* 1.9147	* 1.5979	* 1.9187	* 1.5470	* 1.7814	* 1.7650	* 1.4918	* 2.8972
10	* 1.3679	* 1.3950	* 1.5098	* 1.5734	* 1.7530	* 1.5436	* 1.7946	* .8725
	* 1.9535	* 1.9193	* 1.7847	* 1.7156	* 1.5455	* 1.7557	* 1.5108	* 3.0459
11	* 1.4620	* 1.7403	* 1.5723	* 1.7663	* 1.4742	* 1.7971	* 1.6625	* .7798
	* 1.8260	* 1.5473	* 1.7167	* 1.5347	* 1.8363	* 1.5145	* 1.6315	* 3.4197
12	* 1.7832	* 1.5069	* 1.7525	* 1.4736	* 1.4649	* 1.7428	* 1.0240	*
	* 1.5021	* 1.7819	* 1.5459	* 1.8370	* 1.8662	* 1.5680	* 2.6337	*
13	* 1.4066	* 1.5198	* 1.5425	* 1.7964	* 1.7421	* 1.0620	* .5812	*
	* 1.8948	* 1.7641	* 1.7567	* 1.5151	* 1.5686	* 2.5554	* 4.5973	*
14	* 1.7931	* 1.8035	* 1.7939	* 1.6604	* 1.0228	* .5807	*	*
	* 1.4950	* 1.4910	* 1.5114	* 1.6333	* 2.6367	* 4.6011	*	*
15	* .9223	* .9153	* .8724	* .7380	F-SUB-Q			
	* 2.8619	* 2.8864	* 3.0460	* 3.5923	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2199	* 1.3884	* 1.3536	* 1.4468	* 1.7614	* 1.3943	* 1.7729	* .9184
	* 2.1341	* 1.8727	* 1.9035	* 1.7809	* 1.4673	* 1.8472	* 1.4603	* 2.7790
9	* 1.3884	* 1.6613	* 1.3810	* 1.7176	* 1.4919	* 1.5062	* 1.7830	* .9171
	* 1.8727	* 1.5660	* 1.8693	* 1.5099	* 1.7345	* 1.7194	* 1.4561	* 2.7848
10	* 1.3538	* 1.3806	* 1.5073	* 1.5572	* 1.7309	* 1.5296	* 1.7746	* .8781
	* 1.9033	* 1.8699	* 1.7268	* 1.6740	* 1.5109	* 1.7102	* 1.4702	* 2.9194
11	* 1.4469	* 1.7171	* 1.5561	* 1.7428	* 1.4597	* 1.7766	* 1.6454	* .7854
	* 1.7807	* 1.5103	* 1.6752	* 1.5024	* 1.7921	* 1.4792	* 1.5911	* 3.2755
12	* 1.7614	* 1.4914	* 1.7304	* 1.4590	* 1.4501	* 1.7234	* 1.0333	*
	* 1.4673	* 1.7350	* 1.5113	* 1.7928	* 1.8123	* 1.5287	* 2.5197	*
13	* 1.3943	* 1.5066	* 1.5285	* 1.7759	* 1.7226	* 1.0680	* .5850	*
	* 1.8472	* 1.7186	* 1.7112	* 1.4797	* 1.5293	* 2.4505	* 4.4125	*
14	* 1.7729	* 1.7834	* 1.7739	* 1.6434	* 1.0321	* .5845	*	*
	* 1.4603	* 1.4552	* 1.4707	* 1.5929	* 2.5225	* 4.4162	*	*
15	* .9197	* .9207	* .8781	* .7456	F-SUB-Q			
	* 2.7749	* 2.7743	* 2.9194	* 3.4492	M-SUB-Q			

AT 75% POWER, 250 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2196	* 1.3913	* 1.3541	* 1.4496	* 1.7783	* 1.3966	* 1.7939	* .9129
	* 1.9875	* 1.7446	* 1.7809	* 1.6651	* 1.3610	* 1.7289	* 1.3522	* 2.6224
9	* 1.3913	* 1.6771	* 1.3812	* 1.7346	* 1.4953	* 1.5109	* 1.8045	* .8998
	* 1.7446	* 1.4486	* 1.7485	* 1.3985	* 1.6193	* 1.6053	* 1.3475	* 2.6620
10	* 1.3542	* 1.3807	* 1.4957	* 1.5632	* 1.7479	* 1.5369	* 1.7963	* .8601
	* 1.7807	* 1.7491	* 1.6251	* 1.5568	* 1.3961	* 1.5875	* 1.3570	* 2.7909
11	* 1.4496	* 1.7341	* 1.5621	* 1.7602	* 1.4602	* 1.7958	* 1.6647	* .7679
	* 1.6651	* 1.3988	* 1.5580	* 1.3880	* 1.6714	* 1.3645	* 1.4658	* 3.1281
12	* 1.7783	* 1.4948	* 1.7474	* 1.4595	* 1.4540	* 1.7428	* 1.0114	*
	* 1.3610	* 1.6198	* 1.3964	* 1.6721	* 1.6904	* 1.4113	* 2.4053	*
13	* 1.3966	* 1.5113	* 1.5358	* 1.7951	* 1.7420	* 1.0487	* .5702	*
	* 1.7289	* 1.6046	* 1.5885	* 1.3650	* 1.4119	* 2.3303	* 4.2368	*
14	* 1.7938	* 1.8049	* 1.7956	* 1.6626	* 1.0102	* .5697	*	*
	* 1.3522	* 1.3467	* 1.3575	* 1.4675	* 2.4080	* 4.2403	*	*
15	* .9143	* .9033	* .8600	* .7308	F-SUB-Q			
	* 2.6185	* 2.6519	* 2.7910	* 3.2866	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2078	* 1.3794	* 1.3414	* 1.4362	* 1.7639	* 1.3845	* 1.7808	* .9041 *
	* 1.8891	* 1.6593	* 1.7003	* 1.5902	* 1.2973	* 1.6504	* 1.2880	* 2.5074 *
9	* 1.3794	* 1.6628	* 1.3683	* 1.7189	* 1.4813	* 1.4993	* 1.7917	* .8900 *
	* 1.6593	* 1.3794	* 1.6688	* 1.3334	* 1.5453	* 1.5294	* 1.2827	* 2.5485 *
10	* 1.3415	* 1.3678	* 1.4828	* 1.5503	* 1.7326	* 1.5252	* 1.7836	* .8506 *
	* 1.7001	* 1.6693	* 1.5480	* 1.4818	* 1.3286	* 1.5086	* 1.2898	* 2.6694 *
11	* 1.4362	* 1.7185	* 1.5491	* 1.7441	* 1.4458	* 1.7823	* 1.6545	* .7594 *
	* 1.5901	* 1.3337	* 1.4829	* 1.3206	* 1.5907	* 1.2937	* 1.3885	* 2.9867 *
12	* 1.7639	* 1.4807	* 1.7321	* 1.4452	* 1.4418	* 1.7310	* 1.0018	*
	* 1.2973	* 1.5458	* 1.3289	* 1.5914	* 1.5994	* 1.3340	* 2.2834	*
13	* 1.3845	* 1.4997	* 1.5241	* 1.7816	* 1.7302	* 1.0394	* .5635	*
	* 1.6504	* 1.5290	* 1.5095	* 1.2942	* 1.3346	* 2.2094	* 4.0331	*
14	* 1.7808	* 1.7920	* 1.7828	* 1.6524	* 1.0006	* .5630	*	*
	* 1.2880	* 1.2821	* 1.2903	* 1.3902	* 2.2861	* 4.0365	*	*
15	* .9054	* .8935	* .8505	* .7225	* F-SUB-Q			
	* 2.5037	* 2.5388	* 2.6697	* 3.1389	* M-SUB-Q			

AT 75% POWER, 250 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1791	* 1.3464	* 1.3089	* 1.3986	* 1.7055	* 1.3507	* 1.7203	* .8872 *
	* 1.8457	* 1.6216	* 1.6645	* 1.5594	* 1.2804	* 1.6155	* 1.2719	* 2.4416 *
9	* 1.3464	* 1.6066	* 1.3353	* 1.6580	* 1.4419	* 1.4620	* 1.7307	* .8858 *
	* 1.6216	* 1.3615	* 1.6327	* 1.3187	* 1.5153	* 1.4963	* 1.2659	* 2.4468 *
10	* 1.3090	* 1.3348	* 1.4614	* 1.5102	* 1.6722	* 1.4855	* 1.7226	* .8461 *
	* 1.6643	* 1.6332	* 1.4980	* 1.4504	* 1.3115	* 1.4754	* 1.2723	* 2.5628 *
11	* 1.3987	* 1.6575	* 1.5091	* 1.6816	* 1.4088	* 1.7225	* 1.6020	* .7571 *
	* 1.5593	* 1.3190	* 1.4515	* 1.3045	* 1.5550	* 1.2733	* 1.3642	* 2.8580 *
12	* 1.7055	* 1.4414	* 1.6718	* 1.4081	* 1.4057	* 1.6751	* 1.0007	*
	* 1.2804	* 1.5158	* 1.3119	* 1.5557	* 1.5600	* 1.3092	* 2.1749	*
13	* 1.3507	* 1.4623	* 1.4844	* 1.7218	* 1.6743	* 1.0367	* .5633	*
	* 1.6155	* 1.4959	* 1.4764	* 1.2739	* 1.3098	* 2.1050	* 3.8403	*
14	* 1.7203	* 1.7310	* 1.7217	* 1.5998	* .9994	* .5628	*	*
	* 1.2719	* 1.2656	* 1.2730	* 1.3661	* 2.1776	* 3.8438	*	*
15	* .8885	* .8893	* .8459	* .7184	* F-SUB-Q			
	* 2.4381	* 2.4374	* 2.5633	* 3.0120	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1502	* 1.3148	* 1.2742	* 1.3594	* 1.6554	* 1.3121	* 1.6683	* .8540
	* 1.8221	* 1.5986	* 1.6471	* 1.5448	* 1.2692	* 1.6013	* 1.2616	* 2.4447
9	* 1.3148	* 1.5610	* 1.2998	* 1.6066	* 1.4008	* 1.4222	* 1.6788	* .8417
	* 1.5986	* 1.3484	* 1.6153	* 1.3092	* 1.5014	* 1.4800	* 1.2548	* 2.4817
10	* 1.2745	* 1.2994	* 1.4084	* 1.4713	* 1.6198	* 1.4449	* 1.6705	* .8030
	* 1.6468	* 1.6157	* 1.4956	* 1.4319	* 1.3016	* 1.4581	* 1.2610	* 2.6016
11	* 1.3595	* 1.6062	* 1.4703	* 1.6292	* 1.3685	* 1.6708	* 1.5564	* .7184
	* 1.5447	* 1.3095	* 1.4330	* 1.2941	* 1.5395	* 1.2607	* 1.3489	* 2.9010
12	* 1.6554	* 1.4003	* 1.6194	* 1.3678	* 1.3700	* 1.6270	* .9485	*
	* 1.2692	* 1.5019	* 1.3019	* 1.5402	* 1.5379	* 1.2936	* 2.2057	*
13	* 1.3121	* 1.4224	* 1.4436	* 1.6699	* 1.6262	* .9919	* .5347	*
	* 1.6013	* 1.4797	* 1.4593	* 1.2614	* 1.2943	* 2.1140	* 3.8934	*
14	* 1.6683	* 1.6789	* 1.6695	* 1.5539	* .9471	* .5342	*	*
	* 1.2616	* 1.2547	* 1.2618	* 1.3510	* 2.2088	* 3.8973	*	*
15	* .8540	* .8449	* .8027	* .6820	* F-SUB-Q			
	* 2.4447	* 2.4723	* 2.6026	* 3.0554	* M-SUB-Q			

AT 75% POWER, 250 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0699	* 1.2220	* 1.1796	* 1.2550	* 1.5033	* 1.2120	* 1.5132	* .7861
	* 1.9016	* 1.6689	* 1.7269	* 1.6229	* 1.3547	* 1.6815	* 1.3478	* 2.5797
9	* 1.2220	* 1.4206	* 1.2042	* 1.4563	* 1.2929	* 1.3133	* 1.5236	* .7762
	* 1.6689	* 1.4367	* 1.6914	* 1.3998	* 1.5775	* 1.5536	* 1.3394	* 2.6135
10	* 1.1797	* 1.2039	* 1.3044	* 1.3610	* 1.4703	* 1.3314	* 1.5155	* .7412
	* 1.7267	* 1.6918	* 1.5637	* 1.5001	* 1.3889	* 1.5329	* 1.3464	* 2.7373
11	* 1.2550	* 1.4559	* 1.3601	* 1.4784	* 1.2662	* 1.5150	* 1.4171	* .6628
	* 1.6228	* 1.4001	* 1.5011	* 1.3812	* 1.6119	* 1.3461	* 1.4351	* 3.0542
12	* 1.5033	* 1.2925	* 1.4699	* 1.2656	* 1.2680	* 1.4817	* .8708	*
	* 1.3547	* 1.5780	* 1.3894	* 1.6127	* 1.6100	* 1.3756	* 2.3300	*
13	* 1.2120	* 1.3134	* 1.3300	* 1.5141	* 1.4808	* .9198	* .4923	*
	* 1.6815	* 1.5534	* 1.5345	* 1.3469	* 1.3764	* 2.2106	* 4.1077	*
14	* 1.5132	* 1.5236	* 1.5143	* 1.4144	* .8694	* .4918	*	*
	* 1.3479	* 1.3395	* 1.3475	* 1.4378	* 2.3338	* 4.1121	*	*
15	* .7871	* .7791	* .7407	* .6274	* F-SUB-Q			
	* 2.5764	* 2.6040	* 2.7391	* 3.2267	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8811	* 1.0080	* .9557	* 1.0162	* 1.2314	* .9851	* 1.2344	* .6445
	* 2.2533	* 1.9727	* 2.0791	* 1.9546	* 1.6122	* 2.0180	* 1.6111	* 3.0750
9	* 1.0080	* 1.1935	* .9774	* 1.2110	* 1.0401	* 1.0707	* 1.2408	* .6435
	* 1.9727	* 1.6668	* 2.0326	* 1.6404	* 1.9116	* 1.8587	* 1.6035	* 3.0800
10	* .9559	* .9771	* 1.0748	* 1.1192	* 1.2113	* 1.0824	* 1.2323	* .6093
	* 2.0788	* 2.0332	* 1.8508	* 1.7769	* 1.6420	* 1.8373	* 1.6142	* 3.2541
11	* 1.0162	* 1.2107	* 1.1186	* 1.2378	* 1.0408	* 1.2343	* 1.1236	* .5421
	* 1.9546	* 1.6406	* 1.7777	* 1.6067	* 1.9110	* 1.6099	* 1.7655	* 3.6510
12	* 1.2314	* 1.0397	* 1.2109	* 1.0404	* 1.0374	* 1.1885	* .7056	
	* 1.6122	* 1.9121	* 1.6425	* 1.9118	* 1.9172	* 1.6721	* 2.8079	
13	* .9851	* 1.0707	* 1.0812	* 1.2335	* 1.1878	* .7574	* .3999	
	* 2.0180	* 1.8587	* 1.8394	* 1.6108	* 1.6732	* 2.6207	* 4.9457	
14	* 1.2344	* 1.2409	* 1.2312	* 1.1210	* .7043	* .3995		
	* 1.6111	* 1.6031	* 1.6157	* 1.7696	* 2.8134	* 4.9513		
15	* .6452	* .6451	* .6087	* .5115	F-SUB-Q			
	* 3.0718	* 3.0726	* 3.2571	* 3.8694	M-SUB-Q			

AT 75% POWER, 250 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .4210	* .4481	* .4247	* .4614	* .5468	* .4581	* .5136	* .3043
	* 4.6100	* 4.3331	* 4.5691	* 4.2012	* 3.5459	* 4.2385	* 3.7803	* 6.3740
9	* .4481	* .5183	* .4450	* .5515	* .4696	* .4694	* .5155	* .2917
	* 4.3331	* 3.7459	* 4.3593	* 3.5174	* 4.1299	* 4.1372	* 3.7669	* 6.6513
10	* .4247	* .4449	* .4830	* .5100	* .5611	* .4755	* .5109	* .2772
	* 4.5688	* 4.3603	* 4.0190	* 3.8050	* 3.4587	* 4.0815	* 3.8000	* 6.9999
11	* .4614	* .5514	* .5098	* .5660	* .4812	* .5443	* .4837	* .2444
	* 4.2012	* 3.5181	* 3.8062	* 3.4287	* 4.0327	* 3.5649	* 4.0080	* 7.9318
12	* .5468	* .4695	* .5610	* .4810	* .4611	* .4947	* .3248	
	* 3.5459	* 4.1311	* 3.4596	* 4.0340	* 4.2092	* 3.9211	* 5.9687	
13	* .4581	* .4693	* .4752	* .5439	* .4944	* .3428	* .1883	
	* 4.2385	* 4.1378	* 4.0840	* 3.5676	* 3.9239	* 5.6594	* 10.2897	
14	* .5136	* .5156	* .5103	* .4824	* .3241	* .1881		
	* 3.7803	* 3.7660	* 3.8045	* 4.0191	* 5.9816	* 10.3049		
15	* .3043	* .2925	* .2769	* .2318	F-SUB-Q			
	* 6.3736	* 6.6321	* 7.0074	* 8.3621	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .3687 *	* .4828 *	* .5076 *	* .5502 *	* .6242 *	* .5421 *	* .5795 *	* .3678 *
	* 4.2660 *	* 4.3459 *	* 4.2761 *	* 3.9303 *	* 3.4641 *	* 4.0156 *	* 3.7799 *	* 5.9172 *
9	* .4828 *	* .5619 *	* .5261 *	* .6183 *	* .5520 *	* .5491 *	* .5781 *	* .3502 *
	* 4.3459 *	* 3.9152 *	* 4.1810 *	* 3.5024 *	* 3.9129 *	* 3.9703 *	* 3.7868 *	* 6.2089 *
10	* .5075 *	* .5260 *	* .5527 *	* .5664 *	* .6106 *	* .5354 *	* .5563 *	* .3291 *
	* 4.2766 *	* 4.1820 *	* 3.9726 *	* 3.8601 *	* 3.5278 *	* 4.0027 *	* 3.8534 *	* 6.5160 *
11	* .5502 *	* .6183 *	* .5663 *	* .5980 *	* .5099 *	* .5451 *	* .5023 *	* .2807 *
	* 3.9306 *	* 3.5017 *	* 3.8611 *	* 3.6478 *	* 4.1293 *	* 3.8714 *	* 4.2255 *	* 7.5085 *
12	* .6242 *	* .5521 *	* .6105 *	* .5097 *	* .3877 *	* .4278 *	* .3216 *	
	* 3.4641 *	* 3.9128 *	* 3.5287 *	* 4.1306 *	* 4.1282 *	* 4.1215 *	* 6.1889 *	
13	* .5421 *	* .5490 *	* .5350 *	* .5444 *	* .4269 *	* .2791 *	* .1900 *	
	* 4.0156 *	* 3.9709 *	* 4.0060 *	* 3.8756 *	* 4.1267 *	* 5.5228 *	* 9.4799 *	
14	* .5795 *	* .5780 *	* .5552 *	* .5005 *	* .3204 *	* .1896 *		
	* 3.7799 *	* 3.7879 *	* 3.8616 *	* 4.2407 *	* 6.2081 *	* 9.4932 *		
15	* .3679 *	* .3504 *	* .3282 *	* .2653 *	F-SUB-Q			
	* 5.9155 *	* 6.2046 *	* 6.5347 *	* 7.9441 *	M-SUB-Q			

AT 75% POWER, 350 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .7359 *	* .9848 *	* 1.0430 *	* 1.1139 *	* 1.2722 *	* 1.0912 *	* 1.2623 *	* .7325 *
	* 2.3541 *	* 2.1592 *	* 2.1353 *	* 1.9951 *	* 1.7449 *	* 2.0405 *	* 1.7819 *	* 3.0508 *
9	* .9848 *	* 1.1700 *	* 1.0608 *	* 1.2379 *	* 1.1255 *	* 1.1462 *	* 1.2591 *	* .7378 *
	* 2.1592 *	* 1.9113 *	* 2.1112 *	* 1.7943 *	* 1.9722 *	* 1.9443 *	* 1.7748 *	* 3.0191 *
10	* 1.0429 *	* 1.0607 *	* 1.1310 *	* 1.1405 *	* 1.2064 *	* 1.1096 *	* 1.2142 *	* .6950 *
	* 2.1354 *	* 2.1114 *	* 1.9928 *	* 1.9556 *	* 1.8308 *	* 1.9828 *	* 1.8104 *	* 3.1563 *
11	* 1.1138 *	* 1.2380 *	* 1.1402 *	* 1.1985 *	* 1.0212 *	* 1.1254 *	* 1.0574 *	* .6096 *
	* 1.9951 *	* 1.7942 *	* 1.9561 *	* 1.8514 *	* 2.0935 *	* 1.9004 *	* 2.0527 *	* 3.5501 *
12	* 1.2722 *	* 1.1255 *	* 1.2061 *	* 1.0208 *	* .8225 *	* .9396 *	* .6745 *	
	* 1.7449 *	* 1.9722 *	* 1.8312 *	* 2.0941 *	* 2.0588 *	* 1.9203 *	* 3.0029 *	
13	* 1.0912 *	* 1.1461 *	* 1.1083 *	* 1.1241 *	* .9380 *	* .5838 *	* .3932 *	
	* 2.0405 *	* 1.9445 *	* 1.9852 *	* 1.9020 *	* 1.9219 *	* 2.7129 *	* 4.6723 *	
14	* 1.2623 *	* 1.2589 *	* 1.2121 *	* 1.0535 *	* .6723 *	* .3925 *		
	* 1.7819 *	* 1.7750 *	* 1.8136 *	* 2.0605 *	* 3.0106 *	* 4.6779 *		
15	* .7331 *	* .7394 *	* .6934 *	* .5705 *	F-SUB-Q			
	* 3.0482 *	* 3.0156 *	* 3.1637 *	* 3.7935 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* .8921	* 1.1567	* 1.2411	* 1.3288	* 1.5220	* 1.2903	* 1.5175	* .8763
	* 2.0725	* 1.8718	* 1.8245	* 1.7014	* 1.4829	* 1.7498	* 1.4880	* 2.5608

9	* 1.1567	* 1.3741	* 1.2655	* 1.4667	* 1.3520	* 1.3649	* 1.5148	* .8862
	* 1.8718	* 1.6503	* 1.7893	* 1.5382	* 1.6698	* 1.6511	* 1.4866	* 2.5303

10	* 1.2412	* 1.2656	* 1.3282	* 1.3447	* 1.4253	* 1.3235	* 1.4628	* .8406
	* 1.8244	* 1.7892	* 1.7036	* 1.6772	* 1.5767	* 1.6896	* 1.5259	* 2.6463

11	* 1.3287	* 1.4668	* 1.3444	* 1.4126	* 1.2161	* 1.3546	* 1.2810	* .7341
	* 1.7015	* 1.5382	* 1.6777	* 1.5925	* 1.7958	* 1.6030	* 1.7243	* 2.9996

12	* 1.5220	* 1.3521	* 1.4250	* 1.2158	* .9993	* 1.1371	* .8296	*
	* 1.4829	* 1.6698	* 1.5770	* 1.7963	* 1.7829	* 1.6192	* 2.4822	*

13	* 1.2903	* 1.3649	* 1.3222	* 1.3532	* 1.1355	* .7092	* .4797	*
	* 1.7498	* 1.6511	* 1.6913	* 1.6040	* 1.6200	* 2.3053	* 3.9054	*

14	* 1.5175	* 1.5149	* 1.4608	* 1.2771	* .8272	* .4788	*	*
	* 1.4880	* 1.4866	* 1.5281	* 1.7296	* 2.4875	* 3.9103	*	*

15	* .8772	* .8885	* .8392	* .6925	F-SUB-Q			
	* 2.5581	* 2.5238	* 2.6512	* 3.1808	M-SUB-Q			

AT 75% POWER, 350 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* .9491	* 1.2373	* 1.3278	* 1.4288	* 1.6752	* 1.3888	* 1.6833	* .9390
	* 1.9881	* 1.7832	* 1.7369	* 1.6116	* 1.3716	* 1.6493	* 1.3589	* 2.4202

9	* 1.2373	* 1.5143	* 1.3554	* 1.6203	* 1.4560	* 1.4740	* 1.6801	* .9376
	* 1.7832	* 1.5245	* 1.6997	* 1.4176	* 1.5786	* 1.5528	* 1.3595	* 2.4245

10	* 1.3278	* 1.3555	* 1.4226	* 1.4490	* 1.5762	* 1.4313	* 1.6245	* .8878
	* 1.7368	* 1.6996	* 1.6164	* 1.5841	* 1.4520	* 1.5903	* 1.3976	* 2.5481

11	* 1.4287	* 1.6203	* 1.4485	* 1.5643	* 1.3068	* 1.5001	* 1.4209	* .7724
	* 1.6116	* 1.4175	* 1.5846	* 1.4644	* 1.6987	* 1.4748	* 1.5785	* 2.9019

12	* 1.6752	* 1.4560	* 1.5759	* 1.3063	* 1.0754	* 1.2595	* .8785	*
	* 1.3716	* 1.5786	* 1.4522	* 1.6992	* 1.6913	* 1.4925	* 2.3925	*

13	* 1.3888	* 1.4741	* 1.4302	* 1.4989	* 1.2581	* .7521	* .5039	*
	* 1.6493	* 1.5526	* 1.5916	* 1.4755	* 1.4930	* 2.2375	* 3.8064	*

14	* 1.6833	* 1.6803	* 1.6227	* 1.4174	* .8764	* .5032	*	*
	* 1.3589	* 1.3593	* 1.3992	* 1.5825	* 2.3967	* 3.8107	*	*

15	* .9402	* .9402	* .8867	* .7270	F-SUB-Q			
	* 2.4174	* 2.4178	* 2.5515	* 3.0835	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9653	* 1.2485	* 1.3408	* 1.4473	* 1.7132	* 1.4104	* 1.7286	* .9578
	* 2.0212	* 1.8074	* 1.7594	* 1.6237	* 1.3680	* 1.6587	* 1.3501	* 2.4229
9	* 1.2485	* 1.5494	* 1.3700	* 1.6617	* 1.4760	* 1.4966	* 1.7250	* .9573
	* 1.8074	* 1.5265	* 1.7212	* 1.4112	* 1.5885	* 1.5622	* 1.3518	* 2.4252
10	* 1.3409	* 1.3700	* 1.4387	* 1.4723	* 1.6201	* 1.4559	* 1.6687	* .9067
	* 1.7592	* 1.7211	* 1.6357	* 1.5932	* 1.4401	* 1.5923	* 1.3858	* 2.5465
11	* 1.4472	* 1.6618	* 1.4718	* 1.6076	* 1.3292	* 1.5425	* 1.4606	* .7871
	* 1.6237	* 1.4112	* 1.5938	* 1.4554	* 1.7117	* 1.4682	* 1.5662	* 2.8995
12	* 1.7132	* 1.4760	* 1.6198	* 1.3288	* 1.0991	* 1.2970		* .8997
	* 1.3680	* 1.5885	* 1.4404	* 1.7121	* 1.7085	* 1.4929		* 2.3968
13	* 1.4104	* 1.4969	* 1.4550	* 1.5410	* 1.2958	* .7676	* .5124	
	* 1.6587	* 1.5619	* 1.5934	* 1.4687	* 1.4932	* 2.2588	* 3.8561	
14	* 1.7286	* 1.7254	* 1.6673	* 1.4576	* .8979	* .5117		
	* 1.3501	* 1.3515	* 1.3871	* 1.5696	* 2.4004	* 3.8601		
15	* .9591	* .9602	* .9059	* .7428	* F-SUB-Q			
	* 2.4197	* 2.4179	* 2.5492	* 3.0732	* M-SUB-Q			

AT 75% POWER, 350 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9680	* 1.2459	* 1.3312	* 1.4375	* 1.7091	* 1.4037	* 1.7299	* .9600
	* 2.0877	* 1.8634	* 1.8161	* 1.6740	* 1.4032	* 1.6998	* 1.3761	* 2.4671
9	* 1.2459	* 1.5476	* 1.3605	* 1.6608	* 1.4672	* 1.4892	* 1.7265	* .9629
	* 1.8634	* 1.5672	* 1.7748	* 1.4463	* 1.6362	* 1.6005	* 1.3772	* 2.4603
10	* 1.3313	* 1.3605	* 1.4301	* 1.4674	* 1.6218	* 1.4513	* 1.6725	* .9121
	* 1.8159	* 1.7749	* 1.6853	* 1.6394	* 1.4765	* 1.6368	* 1.4152	* 2.5872
11	* 1.4374	* 1.6608	* 1.4668	* 1.6110	* 1.3355	* 1.5479	* 1.4645	* .7916
	* 1.6740	* 1.4463	* 1.6400	* 1.4910	* 1.7617	* 1.5027	* 1.6089	* 2.9643
12	* 1.7091	* 1.4672	* 1.6216	* 1.3352	* 1.1049	* 1.3036	* .9098	
	* 1.4032	* 1.6363	* 1.4767	* 1.7621	* 1.7684	* 1.5360	* 2.4456	
13	* 1.4037	* 1.4895	* 1.4506	* 1.5464	* 1.3026	* .7756	* .5168	
	* 1.6998	* 1.6001	* 1.6377	* 1.5032	* 1.5364	* 2.3254	* 3.9767	
14	* 1.7299	* 1.7271	* 1.6714	* 1.4620	* .9082	* .5161		
	* 1.3761	* 1.3768	* 1.4162	* 1.6119	* 2.4489	* 3.9806		
15	* .9601	* .9660	* .9115	* .7494	* F-SUB-Q			
	* 2.4669	* 2.4526	* 2.5891	* 3.1321	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9646	* 1.2399	* 1.3252	* 1.4305	* 1.7111	* 1.3963	* 1.7361	* .9533
	* 2.1518	* 1.9150	* 1.8928	* 1.7417	* 1.4499	* 1.7614	* 1.4117	* 2.5578
9	* 1.2399	* 1.5582	* 1.3542	* 1.6675	* 1.4615	* 1.4841	* 1.7335	* .9516
	* 1.9150	* 1.6091	* 1.8501	* 1.4931	* 1.7009	* 1.6571	* 1.4137	* 2.5642
10	* 1.3254	* 1.3542	* 1.4273	* 1.4697	* 1.6324	* 1.4500	* 1.6829	* .9005
	* 1.8925	* 1.8502	* 1.7537	* 1.7018	* 1.5240	* 1.6985	* 1.4563	* 2.7095
11	* 1.4305	* 1.6675	* 1.4690	* 1.6240	* 1.3314	* 1.5633	* 1.4772	* .7823
	* 1.7416	* 1.4932	* 1.7026	* 1.5319	* 1.8090	* 1.5320	* 1.6620	* 3.1195
12	* 1.7110	* 1.4614	* 1.6322	* 1.3310	* 1.1066	* 1.3233		* .9060
	* 1.4499	* 1.7010	* 1.5242	* 1.8094	* 1.8280	* 1.5759	* 2.5489	
13	* 1.3963	* 1.4846	* 1.4494	* 1.5619	* 1.3224	* .7788	* .5155	
	* 1.7614	* 1.6566	* 1.6993	* 1.5324	* 1.5763	* 2.4293	* 4.1783	
14	* 1.7361	* 1.7341	* 1.6820	* 1.4749	* .9046	* .5149		
	* 1.4117	* 1.4133	* 1.4572	* 1.6643	* 2.5522	* 4.1821		
15	* .9533	* .9547	* .9001	* .7396	* F-SUB-Q			
	* 2.5576	* 2.5560	* 2.7109	* 3.3005	* M-SUB-Q			

AT 75% POWER, 350 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9818	* 1.2474	* 1.3185	* 1.4198	* 1.7027	* 1.3844	* 1.7292	* .9463
	* 2.2352	* 1.9865	* 1.9993	* 1.8377	* 1.5242	* 1.8524	* 1.4762	* 2.6835
9	* 1.2474	* 1.5661	* 1.3470	* 1.6644	* 1.4512	* 1.4732	* 1.7276	* .9440
	* 1.9865	* 1.6675	* 1.9550	* 1.5695	* 1.7939	* 1.7422	* 1.4790	* 2.6933
10	* 1.3187	* 1.3469	* 1.4225	* 1.4691	* 1.6349	* 1.4451	* 1.6828	* .8945
	* 1.9989	* 1.9552	* 1.8523	* 1.7937	* 1.6022	* 1.7881	* 1.5263	* 2.8525
11	* 1.4198	* 1.6644	* 1.4684	* 1.6328	* 1.3376	* 1.5777	* 1.4862	* .7795
	* 1.8377	* 1.5696	* 1.7944	* 1.5846	* 1.8793	* 1.5840	* 1.7197	* 3.2954
12	* 1.7027	* 1.4511	* 1.6347	* 1.3372	* 1.1308	* 1.3561		* .9167
	* 1.5242	* 1.7941	* 1.6024	* 1.8797	* 1.8933	* 1.6270	* 2.6422	
13	* 1.3844	* 1.4738	* 1.4446	* 1.5771	* 1.3553	* .8070	* .5254	
	* 1.8524	* 1.7416	* 1.7889	* 1.5844	* 1.6274	* 2.5253	* 4.3497	
14	* 1.7292	* 1.7283	* 1.6821	* 1.4841	* .9154	* .5248		
	* 1.4762	* 1.4784	* 1.5271	* 1.7219	* 2.6453	* 4.3535		
15	* .9463	* .9472	* .8941	* .7373	* F-SUB-Q			
	* 2.6834	* 2.6844	* 2.8537	* 3.4850	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0535	* 1.2748	* 1.3205	* 1.4162	* 1.7037	* 1.3775	* 1.7302	* .9402 *
	* 2.3448	* 2.0796	* 2.1217	* 1.9490	* 1.6095	* 1.9602	* 1.5519	* 2.8408 *
9	* 1.2748	* 1.5914	* 1.3480	* 1.6720	* 1.4497	* 1.4687	* 1.7300	* .9341 *
	* 2.0797	* 1.7308	* 2.0763	* 1.6568	* 1.9019	* 1.8422	* 1.5554	* 2.8639 *
10	* 1.3208	* 1.3479	* 1.4279	* 1.4793	* 1.6508	* 1.4479	* 1.6924	* .8866 *
	* 2.1214	* 2.0765	* 1.9538	* 1.8700	* 1.6712	* 1.8938	* 1.6076	* 3.0396 *
11	* 1.4162	* 1.6719	* 1.4786	* 1.6572	* 1.3624	* 1.6131	* 1.5078	* .7759 *
	* 1.9490	* 1.6569	* 1.8708	* 1.6502	* 1.9684	* 1.6501	* 1.7886	* 3.5225 *
12	* 1.7037	* 1.4495	* 1.6506	* 1.3620	* 1.2210	* 1.4349		* .9331 *
	* 1.6095	* 1.9020	* 1.6714	* 1.9690	* 1.9833	* 1.6946		* 2.7846 *
13	* 1.3775	* 1.4692	* 1.4475	* 1.6127	* 1.4344	* .8760	* .5419	
	* 1.9602	* 1.8415	* 1.8945	* 1.6504	* 1.6950	* 2.6600	* 4.5926	
14	* 1.7302	* 1.7308	* 1.6917	* 1.5058	* .9319	* .5413		
	* 1.5519	* 1.5547	* 1.6083	* 1.7908	* 2.7878	* 4.5964		
15	* .9402	* .9372	* .8864	* .7375	* F-SUB-Q			
	* 2.8406	* 2.8542	* 3.0405	* 3.7067	* M-SUB-Q			

AT 75% POWER, 350 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1396	* 1.2981	* 1.3132	* 1.4004	* 1.6799	* 1.3606	* 1.7035	* .9368 *
	* 2.4857	* 2.2022	* 2.2561	* 2.1025	* 1.7392	* 2.1078	* 1.6726	* 3.0243 *
9	* 1.2981	* 1.5918	* 1.3398	* 1.6525	* 1.4366	* 1.4513	* 1.7046	* .9413 *
	* 2.2022	* 1.8353	* 2.2094	* 1.7881	* 2.0516	* 1.9820	* 1.6769	* 3.0158 *
10	* 1.3134	* 1.3396	* 1.4351	* 1.4757	* 1.6396	* 1.4378	* 1.6748	* .8964 *
	* 2.2557	* 2.2096	* 2.0460	* 1.9800	* 1.7746	* 2.0092	* 1.7343	* 3.2018 *
11	* 1.4005	* 1.6524	* 1.4750	* 1.6565	* 1.3817	* 1.6260	* 1.5070	* .7891 *
	* 2.1024	* 1.7882	* 1.9808	* 1.7497	* 2.0825	* 1.7507	* 1.8949	* 3.6564 *
12	* 1.6799	* 1.4365	* 1.6395	* 1.3813	* 1.3209	* 1.5109		* .9727 *
	* 1.7392	* 2.0518	* 1.7748	* 2.0830	* 2.1093	* 1.8121		* 2.8868 *
13	* 1.3606	* 1.4519	* 1.4374	* 1.6256	* 1.5105	* .9670	* .5723 *	
	* 2.1078	* 1.9813	* 2.0103	* 1.7510	* 1.8125	* 2.7804		* 4.7921 *
14	* 1.7035	* 1.7054	* 1.6743	* 1.5052	* .9716	* .5718		
	* 1.6726	* 1.6761	* 1.7350	* 1.8971	* 2.8900	* 4.7960		
15	* .9377	* .9445	* .8963	* .7491	* F-SUB-Q			
	* 3.0241	* 3.0054	* 3.2024	* 3.8521	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.1861	* 1.3453	* 1.3234	* 1.4076	* 1.6984	* 1.3628	* 1.7229	* .9325 *
	* 2.6066	* 2.3045	* 2.3760	* 2.2371	* 1.8423	* 2.2469	* 1.7647	* 3.2400 *

9	* 1.3453	* 1.6315	* 1.3496	* 1.6780	* 1.4472	* 1.4573	* 1.7255	* .9264 *
	* 2.3045	* 1.9107	* 2.3276	* 1.8669	* 2.1651	* 2.1095	* 1.7693	* 3.2691 *

10	* 1.3237	* 1.3494	* 1.4371	* 1.4963	* 1.6747	* 1.4575	* 1.7022	* .8831 *
	* 2.3756	* 2.3280	* 2.1736	* 2.0775	* 1.8492	* 2.1079	* 1.8081	* 3.4770 *

11	* 1.4077	* 1.6779	* 1.4955	* 1.6958	* 1.4071	* 1.6719	* 1.5425	* .7799 *
	* 2.2371	* 1.8670	* 2.0784	* 1.8224	* 2.1890	* 1.8246	* 1.9744	* 3.9274 *

12	* 1.6984	* 1.4470	* 1.6745	* 1.4067	* 1.3641	* 1.5888	* .9771 *	
	* 1.8423	* 2.1654	* 1.8493	* 2.1896	* 2.2147	* 1.8852	* 3.0916 *	

13	* 1.3628	* 1.4580	* 1.4568	* 1.6716	* 1.5884	* 1.0023	* .5799 *	
	* 2.2469	* 2.1086	* 2.1090	* 1.8249	* 1.8856	* 2.9702	* 5.1333 *	

14	* 1.7229	* 1.7264	* 1.7017	* 1.5408	* .9760	* .5794 *		
	* 1.7647	* 1.7685	* 1.8087	* 1.9766	* 3.0948	* 5.1374 *		

15	* .9326	* .9296	* .8829	* .7377	* F-SUB-Q			
	* 3.2399	* 3.2576	* 3.4776	* 4.1525	* M-SUB-Q			

AT 75% POWER, 350 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.2019	* 1.3594	* 1.3237	* 1.4042	* 1.6969	* 1.3574	* 1.7209	* .9302 *
	* 2.7550	* 2.4313	* 2.4945	* 2.3552	* 1.9528	* 2.4153	* 1.8908	* 3.4741 *

9	* 1.3594	* 1.6424	* 1.3494	* 1.6803	* 1.4458	* 1.4530	* 1.7244	* .9246 *
	* 2.4313	* 2.0146	* 2.4488	* 1.9721	* 2.2897	* 2.2662	* 1.8956	* 3.5036 *

10	* 1.3240	* 1.3491	* 1.4429	* 1.5010	* 1.6834	* 1.4617	* 1.7059	* .8825 *
	* 2.4940	* 2.4492	* 2.2946	* 2.2064	* 1.9657	* 2.2442	* 1.9209	* 3.7147 *

11	* 1.4043	* 1.6802	* 1.5002	* 1.7070	* 1.4162	* 1.6875	* 1.5536	* .7818 *
	* 2.3551	* 1.9722	* 2.2076	* 1.9358	* 2.3317	* 1.9387	* 2.0976	* 4.1785 *

12	* 1.6969	* 1.4456	* 1.6833	* 1.4158	* 1.3858	* 1.6178	* .9899 *	
	* 1.9528	* 2.2900	* 1.9658	* 2.3323	* 2.3562	* 2.0000	* 3.2817 *	

13	* 1.3574	* 1.4536	* 1.4611	* 1.6872	* 1.6175	* 1.0246	* .5898 *	
	* 2.4153	* 2.2652	* 2.2453	* 1.9391	* 2.0004	* 3.1512	* 5.4528 *	

14	* 1.7209	* 1.7253	* 1.7055	* 1.5520	* .9889	* .5893 *		
	* 1.8908	* 1.8946	* 1.9214	* 2.0998	* 3.2850	* 5.4570 *		

15	* .9302	* .9278	* .8825	* .7401	* F-SUB-Q			
	* 3.4740	* 3.4911	* 3.7152	* 4.4148	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1996	* 1.3558	* 1.3153	* 1.3924	* 1.6796	* 1.3458	* 1.7028	* .9288
	* 2.6977	* 2.3807	* 2.4400	* 2.3048	* 1.9138	* 2.3859	* 1.8909	* 3.4453
9	* 1.3558	* 1.6311	* 1.3408	* 1.6645	* 1.4344	* 1.4418	* 1.7069	* .9312
	* 2.3807	* 1.9768	* 2.3957	* 1.9341	* 2.2416	* 2.2322	* 1.8876	* 3.4387
10	* 1.3156	* 1.3406	* 1.4493	* 1.4925	* 1.6704	* 1.4537	* 1.6916	* .8902
	* 2.4396	* 2.3961	* 2.2239	* 2.1607	* 1.9351	* 2.2223	* 1.9090	* 3.6048
11	* 1.3924	* 1.6644	* 1.4919	* 1.6971	* 1.4113	* 1.6795	* 1.5445	* .7904
	* 2.3047	* 1.9343	* 2.1618	* 1.9064	* 2.2918	* 1.9305	* 2.0950	* 4.0644
12	* 1.6796	* 1.4342	* 1.6703	* 1.4110	* 1.3963	* 1.6190	* 1.0075	*
	* 1.9138	* 2.2419	* 1.9352	* 2.2924	* 2.3276	* 2.0122	* 3.2119	*
13	* 1.3458	* 1.4423	* 1.4531	* 1.6793	* 1.6187	* 1.0437	* .6009	*
	* 2.3859	* 2.2311	* 2.2232	* 1.9307	* 2.0126	* 3.1168	* 5.3710	*
14	* 1.7028	* 1.7078	* 1.6912	* 1.5430	* 1.0066	* .6004	*	*
	* 1.8909	* 1.8866	* 1.9094	* 2.0969	* 3.2149	* 5.3750	*	*
15	* .9297	* .9346	* .8902	* .7511	* F-SUB-Q			
	* 3.4437	* 3.4265	* 3.6048	* 4.2768	* M-SUB-Q			

AT 75% POWER, 350 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2066	* 1.3653	* 1.3197	* 1.3977	* 1.6964	* 1.3485	* 1.7228	* .9256
	* 2.6132	* 2.3017	* 2.3555	* 2.2195	* 1.8314	* 2.2865	* 1.7961	* 3.3094
9	* 1.3653	* 1.6539	* 1.3451	* 1.6850	* 1.4413	* 1.4474	* 1.7273	* .9173
	* 2.3017	* 1.8945	* 2.3139	* 1.8507	* 2.1596	* 2.1434	* 1.7992	* 3.3446
10	* 1.3200	* 1.3448	* 1.4419	* 1.5028	* 1.6934	* 1.4636	* 1.7138	* .8761
	* 2.3551	* 2.3144	* 2.1706	* 2.0839	* 1.8551	* 2.1443	* 1.8261	* 3.5399
11	* 1.3978	* 1.6849	* 1.5022	* 1.7206	* 1.4179	* 1.7020	* 1.5658	* .7776
	* 2.2194	* 1.8508	* 2.0851	* 1.8294	* 2.2214	* 1.8565	* 2.0119	* 4.0074
12	* 1.6964	* 1.4410	* 1.6933	* 1.4175	* 1.3962	* 1.6419	* .9934	*
	* 1.8314	* 2.1599	* 1.8552	* 2.2220	* 2.2779	* 1.9360	* 3.1777	*
13	* 1.3485	* 1.4479	* 1.4630	* 1.7019	* 1.6416	* 1.0339	* .5915	*
	* 2.2865	* 2.1424	* 2.1451	* 1.8567	* 1.9363	* 3.0733	* 5.3286	*
14	* 1.7228	* 1.7283	* 1.7136	* 1.5644	* .9925	* .5911	*	*
	* 1.7961	* 1.7982	* 1.8263	* 2.0136	* 3.1805	* 5.3324	*	*
15	* .9256	* .9206	* .8762	* .7407	* F-SUB-Q			
	* 3.3091	* 3.3326	* 3.5396	* 4.2063	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2057	* 1.3654	* 1.3177	* 1.3959	* 1.6990	* 1.3462	* 1.7275	* .9241
	* 2.4253	* 2.1382	* 2.1978	* 2.0765	* 1.7125	* 2.1460	* 1.6843	* 3.0982
9	* 1.3654	* 1.6596	* 1.3429	* 1.6891	* 1.4400	* 1.4460	* 1.7322	* .9134
	* 2.1382	* 1.7629	* 2.1619	* 1.7325	* 2.0249	* 2.0099	* 1.6853	* 3.1375
10	* 1.3180	* 1.3426	* 1.4394	* 1.5034	* 1.6988	* 1.4643	* 1.7198	* .8720
	* 2.1974	* 2.1623	* 2.0323	* 1.9496	* 1.7357	* 2.0107	* 1.7139	* 3.3143
11	* 1.3960	* 1.6889	* 1.5027	* 1.7267	* 1.4168	* 1.7077	* 1.5717	* .7736
	* 2.0764	* 1.7326	* 1.9507	* 1.7098	* 2.0779	* 1.7352	* 1.8775	* 3.7436
12	* 1.6990	* 1.4397	* 1.6987	* 1.4164	* 1.3966	* 1.6494	* .9906	
	* 1.7125	* 2.0252	* 1.7358	* 2.0785	* 2.1298	* 1.8067	* 2.9650	
13	* 1.3462	* 1.4465	* 1.4638	* 1.7076	* 1.6491	* 1.0315	* .5883	
	* 2.1460	* 2.0088	* 2.0113	* 1.7352	* 1.8070	* 2.8679	* 4.9423	
14	* 1.7275	* 1.7332	* 1.7196	* 1.5704	* .9898	* .5879		
	* 1.6843	* 1.6843	* 1.7141	* 1.8790	* 2.9673	* 4.9456		
15	* .9241	* .9168	* .8721	* .7371	* F-SUB-Q			
	* 3.0981	* 3.1264	* 3.3138	* 3.9276	* M-SUB-Q			

AT 75% POWER, 350 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2034	* 1.3639	* 1.3154	* 1.3930	* 1.6983	* 1.3433	* 1.7275	* .9241
	* 2.2455	* 1.9781	* 2.0344	* 1.9165	* 1.5783	* 1.9848	* 1.5543	* 2.8614
9	* 1.3639	* 1.6604	* 1.3404	* 1.6891	* 1.4374	* 1.4436	* 1.7323	* .9147
	* 1.9781	* 1.6287	* 2.0012	* 1.5968	* 1.8691	* 1.8562	* 1.5538	* 2.8928
10	* 1.3157	* 1.3401	* 1.4414	* 1.5015	* 1.6986	* 1.4623	* 1.7202	* .8732
	* 2.0339	* 2.0017	* 1.8747	* 1.8024	* 1.6023	* 1.8584	* 1.5791	* 3.0480
11	* 1.3931	* 1.6889	* 1.5006	* 1.7270	* 1.4141	* 1.7080	* 1.5714	* .7746
	* 1.9164	* 1.5969	* 1.8034	* 1.5775	* 1.9211	* 1.5996	* 1.7316	* 3.4530
12	* 1.6983	* 1.4371	* 1.6985	* 1.4137	* 1.3945	* 1.6504	* .9933	
	* 1.5783	* 1.8694	* 1.6023	* 1.9216	* 1.9620	* 1.6632	* 2.7255	
13	* 1.3433	* 1.4442	* 1.4619	* 1.7079	* 1.6501	* 1.0339	* .5889	
	* 1.9848	* 1.8553	* 1.8589	* 1.5996	* 1.6634	* 2.6357	* 4.5514	
14	* 1.7275	* 1.7333	* 1.7201	* 1.5702	* .9925	* .5885		
	* 1.5543	* 1.5529	* 1.5792	* 1.7329	* 2.7276	* 4.5543		
15	* .9241	* .9182	* .8733	* .7343	* F-SUB-Q			
	* 2.8612	* 2.8823	* 3.0474	* 3.6284	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1973	* 1.3571	* 1.3097	* 1.3861	* 1.6872	* 1.3376	* 1.7161	* .9263
	* 2.1838	* 1.9237	* 1.9716	* 1.8620	* 1.5355	* 1.9294	* 1.5137	* 2.7646
9	* 1.3571	* 1.6486	* 1.3345	* 1.6770	* 1.4300	* 1.4373	* 1.7209	* .9250
	* 1.9237	* 1.5863	* 1.9390	* 1.5515	* 1.8134	* 1.8050	* 1.5122	* 2.7699
10	* 1.3099	* 1.3342	* 1.4497	* 1.4945	* 1.6858	* 1.4554	* 1.7091	* .8835
	* 1.9712	* 1.9395	* 1.8003	* 1.7487	* 1.5588	* 1.8019	* 1.5318	* 2.9106
11	* 1.3861	* 1.6768	* 1.4936	* 1.7153	* 1.4090	* 1.6974	* 1.5614	* .7842
	* 1.8619	* 1.5517	* 1.7498	* 1.5347	* 1.8629	* 1.5551	* 1.6830	* 3.2893
12	* 1.6872	* 1.4297	* 1.6857	* 1.4086	* 1.3987	* 1.6397	* 1.0079	*
	* 1.5355	* 1.8137	* 1.5589	* 1.8634	* 1.8874	* 1.6157	* 2.5965	*
13	* 1.3376	* 1.4379	* 1.4549	* 1.6972	* 1.6394	* 1.0456	* .5962	*
	* 1.9294	* 1.8040	* 1.8024	* 1.5552	* 1.6160	* 2.5168	* 4.3482	*
14	* 1.7161	* 1.7219	* 1.7089	* 1.5602	* 1.0071	* .5958	*	*
	* 1.5137	* 1.5113	* 1.5318	* 1.6842	* 2.5985	* 4.3510	*	*
15	* .9269	* .9286	* .8837	* .7459	* F-SUB-Q			
	* 2.7642	* 2.7597	* 2.9099	* 3.4570	* M-SUB-Q			

AT 75% POWER, 350 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2059	* 1.3693	* 1.3185	* 1.3973	* 1.7132	* 1.3468	* 1.7454	* .9263
	* 2.0203	* 1.7812	* 1.8355	* 1.7329	* 1.4185	* 1.7992	* 1.3968	* 2.5972
9	* 1.3693	* 1.6771	* 1.3433	* 1.7051	* 1.4424	* 1.4491	* 1.7504	* .9130
	* 1.7812	* 1.4580	* 1.8048	* 1.4295	* 1.6849	* 1.6783	* 1.3946	* 2.6361
10	* 1.3188	* 1.3430	* 1.4448	* 1.5094	* 1.7149	* 1.4696	* 1.7387	* .8705
	* 1.8351	* 1.8052	* 1.6896	* 1.6186	* 1.4315	* 1.6668	* 1.4090	* 2.7704
11	* 1.3973	* 1.7049	* 1.5084	* 1.7439	* 1.4175	* 1.7245	* 1.5873	* .7712
	* 1.7328	* 1.4297	* 1.6196	* 1.4098	* 1.7298	* 1.4281	* 1.5445	* 3.1279
12	* 1.7131	* 1.4421	* 1.7148	* 1.4171	* 1.3995	* 1.6675	* .9917	*
	* 1.4185	* 1.6852	* 1.4315	* 1.7303	* 1.7645	* 1.4827	* 2.4656	*
13	* 1.3468	* 1.4498	* 1.4692	* 1.7245	* 1.6672	* 1.0325	* .5849	*
	* 1.7992	* 1.6774	* 1.6673	* 1.4281	* 1.4830	* 2.3773	* 4.1479	*
14	* 1.7454	* 1.7514	* 1.7386	* 1.5862	* .9910	* .5845	*	*
	* 1.3968	* 1.3938	* 1.4091	* 1.5456	* 2.4674	* 4.1505	*	*
15	* .9263	* .9165	* .8707	* .7352	* F-SUB-Q			
	* 2.5970	* 2.6264	* 2.7698	* 3.2805	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2068	* 1.3720	* 1.3201	* 1.3992	* 1.7185	* 1.3486	* 1.7514	* .9274
	* 1.8998	* 1.6762	* 1.7366	* 1.6400	* 1.3393	* 1.7032	* 1.3185	* 2.4601
9	* 1.3720	* 1.6825	* 1.3451	* 1.7099	* 1.4442	* 1.4521	* 1.7565	* .9131
	* 1.6762	* 1.3718	* 1.7067	* 1.3490	* 1.5933	* 1.5870	* 1.3158	* 2.4996
10	* 1.3204	* 1.3447	* 1.4478	* 1.5130	* 1.7196	* 1.4731	* 1.7450	* .8704
	* 1.7362	* 1.7071	* 1.5945	* 1.5266	* 1.3476	* 1.5708	* 1.3272	* 2.6247
11	* 1.3993	* 1.7098	* 1.5119	* 1.7487	* 1.4192	* 1.7306	* 1.5929	* .7708
	* 1.6399	* 1.3491	* 1.5276	* 1.3250	* 1.6286	* 1.3387	* 1.4500	* 2.9592
12	* 1.7185	* 1.4439	* 1.7195	* 1.4188	* 1.4021	* 1.6737		* .9926
	* 1.3393	* 1.5936	* 1.3476	* 1.6290	* 1.6476	* 1.3823		* 2.3128
13	* 1.3486	* 1.4527	* 1.4727	* 1.7305	* 1.6734	* 1.0338		* .5842
	* 1.7032	* 1.5861	* 1.5713	* 1.3387	* 1.3826	* 2.2231		* 3.9021
14	* 1.7513	* 1.7576	* 1.7449	* 1.5917	* .9918	* .5838		
	* 1.3185	* 1.3151	* 1.3273	* 1.4510	* 2.3146	* 3.9047		
15	* .9275	* .9166	* .8705	* .7346	F-SUB-Q			
	* 2.4599	* 2.4904	* 2.6242	* 3.1044	M-SUB-Q			

AT 75% POWER, 350 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1955	* 1.3576	* 1.3084	* 1.3849	* 1.6920	* 1.3364	* 1.7215	* .9253
	* 1.8201	* 1.6073	* 1.6664	* 1.5776	* 1.2938	* 1.6388	* 1.2766	* 2.3549
9	* 1.3576	* 1.6539	* 1.3337	* 1.6799	* 1.4286	* 1.4382	* 1.7268	* .9210
	* 1.6073	* 1.3229	* 1.6360	* 1.3036	* 1.5318	* 1.5252	* 1.2729	* 2.3665
10	* 1.3087	* 1.3334	* 1.4534	* 1.4978	* 1.6882	* 1.4580	* 1.7156	* .8806
	* 1.6660	* 1.6363	* 1.5064	* 1.4624	* 1.3003	* 1.5047	* 1.2806	* 2.4733
11	* 1.3850	* 1.6797	* 1.4969	* 1.7179	* 1.4103	* 1.7045	* 1.5672	* .7809
	* 1.5776	* 1.3037	* 1.4633	* 1.2775	* 1.5538	* 1.2867	* 1.3954	* 2.7795
12	* 1.6920	* 1.4283	* 1.6881	* 1.4099	* 1.4007	* 1.6507		* 1.0079
	* 1.2938	* 1.5321	* 1.3004	* 1.5542	* 1.5628	* 1.3264		* 2.1584
13	* 1.3364	* 1.4388	* 1.4575	* 1.7044	* 1.6503	* 1.0476		* .5932
	* 1.6388	* 1.5246	* 1.5053	* 1.2868	* 1.3267	* 2.0787		* 3.6483
14	* 1.7215	* 1.7279	* 1.7154	* 1.5659	* 1.0071			* .5928
	* 1.2766	* 1.2722	* 1.2808	* 1.3965	* 2.1602			* 3.6509
15	* .9255	* .9246	* .8807	* .7425	F-SUB-Q			
	* 2.3547	* 2.3575	* 2.4731	* 2.9233	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1861	* 1.3483	* 1.2964	* 1.3719	* 1.6765	* 1.3213	* 1.7038	* .9042 *
	* 1.7592	* 1.5513	* 1.6125	* 1.5260	* 1.2500	* 1.5877	* 1.2343	* 2.3101 *
9	* 1.3483	* 1.6406	* 1.3216	* 1.6633	* 1.4142	* 1.4245	* 1.7097	* .8900 *
	* 1.5513	* 1.2774	* 1.5823	* 1.2603	* 1.4820	* 1.4744	* 1.2302	* 2.3477 *
10	* 1.2966	* 1.3214	* 1.4239	* 1.4840	* 1.6710	* 1.4452	* 1.6989	* .8508 *
	* 1.6123	* 1.5826	* 1.4728	* 1.4135	* 1.2570	* 1.4531	* 1.2373	* 2.4545 *
11	* 1.3720	* 1.6632	* 1.4830	* 1.6991	* 1.3908	* 1.6888	* 1.5526	* .7544 *
	* 1.5259	* 1.2604	* 1.4144	* 1.2359	* 1.5079	* 1.2423	* 1.3475	* 2.7596 *
12	* 1.6765	* 1.4140	* 1.6709	* 1.3904	* 1.3800	* 1.6373	* .9727 *	
	* 1.2500	* 1.4823	* 1.2571	* 1.5083	* 1.5184	* 1.2793	* 2.1424 *	
13	* 1.3213	* 1.4250	* 1.4446	* 1.6886	* 1.6369	* 1.0198	* .5733 *	
	* 1.5877	* 1.4739	* 1.4537	* 1.2424	* 1.2796	* 2.0458	* 3.6235 *	
14	* 1.7038	* 1.7106	* 1.6984	* 1.5511	* .9718	* .5728 *		
	* 1.2343	* 1.2296	* 1.2376	* 1.3489	* 2.1445	* 3.6263 *		
15	* .9056	* .8935	* .8507	* .7178	* F-SUB-Q			
	* 2.3068	* 2.3389	* 2.4548	* 2.9002	* M-SUB-Q			

AT 75% POWER, 350 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1260	* 1.2810	* 1.2264	* 1.2955	* 1.5627	* 1.2464	* 1.5858	* .8489 *
	* 1.7935	* 1.5797	* 1.6490	* 1.5623	* 1.2951	* 1.6270	* 1.2807	* 2.3824 *
9	* 1.2810	* 1.5301	* 1.2509	* 1.5473	* 1.3350	* 1.3459	* 1.5927	* .8371 *
	* 1.5797	* 1.3236	* 1.6167	* 1.3084	* 1.5173	* 1.5077	* 1.2754	* 2.4167 *
10	* 1.2265	* 1.2506	* 1.3452	* 1.4052	* 1.5537	* 1.3636	* 1.5832	* .8001 *
	* 1.6489	* 1.6170	* 1.5051	* 1.4423	* 1.3050	* 1.4875	* 1.2821	* 2.5275 *
11	* 1.2955	* 1.5471	* 1.4044	* 1.5807	* 1.3156	* 1.5731	* 1.4454	* .7107 *
	* 1.5622	* 1.3085	* 1.4431	* 1.2823	* 1.5405	* 1.2876	* 1.3984	* 2.8385 *
12	* 1.5627	* 1.3347	* 1.5536	* 1.3152	* 1.3075	* 1.5286	* .9129 *	
	* 1.2951	* 1.5176	* 1.3052	* 1.5410	* 1.5491	* 1.3234	* 2.2091 *	
13	* 1.2464	* 1.3463	* 1.3628	* 1.5727	* 1.5282	* .9669	* .5395 *	
	* 1.6270	* 1.5074	* 1.4884	* 1.2879	* 1.3238	* 2.0884	* 3.7342 *	
14	* 1.5858	* 1.5934	* 1.5826	* 1.4435	* .9117	* .5391 *		
	* 1.2808	* 1.2748	* 1.2827	* 1.4002	* 2.2118	* 3.7375 *		
15	* .8495	* .8402	* .7998	* .6741	* F-SUB-Q			
	* 2.3807	* 2.4080	* 2.5285	* 2.9926	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9566	* 1.0883	* 1.0272	* 1.0805	* 1.2929	* 1.0445	* 1.3023	* .7087
	* 2.0580	* 1.8112	* 1.9182	* 1.8234	* 1.5228	* 1.8911	* 1.5176	* 2.7857
9	* 1.0883	* 1.2861	* 1.0465	* 1.2900	* 1.1080	* 1.1323	* 1.3071	* .7054
	* 1.8112	* 1.5327	* 1.8822	* 1.5261	* 1.7798	* 1.7452	* 1.5122	* 2.7997
10	* 1.0274	* 1.0463	* 1.1447	* 1.1894	* 1.3008	* 1.1437	* 1.2977	* .6692
	* 1.9179	* 1.8826	* 1.7223	* 1.6571	* 1.5147	* 1.7256	* 1.5222	* 2.9506
11	* 1.0806	* 1.2899	* 1.1889	* 1.3234	* 1.1125	* 1.2968	* 1.1841	* .5970
	* 1.8233	* 1.5262	* 1.6578	* 1.4892	* 1.7726	* 1.5194	* 1.6630	* 3.3019
12	* 1.2929	* 1.1078	* 1.3007	* 1.1122	* 1.1076	* 1.2545	* .7571	*
	* 1.5228	* 1.7801	* 1.5149	* 1.7731	* 1.7803	* 1.5703	* 2.5990	*
13	* 1.0445	* 1.1325	* 1.1428	* 1.2964	* 1.2540	* .8169	* .4502	*
	* 1.8911	* 1.7449	* 1.7269	* 1.5199	* 1.5709	* 2.4123	* 4.3778	*
14	* 1.3024	* 1.3076	* 1.2970	* 1.1820	* .7560	* .4497	*	*
	* 1.5176	* 1.5116	* 1.5232	* 1.6661	* 2.6031	* 4.3818	*	*
15	* .7095	* .7077	* .6687	* .5637	F-SUB-Q			
	* 2.7826	* 2.7911	* 2.9525	* 3.4967	M-SUB-Q			

AT 75% POWER, 350 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .4821	* .5107	* .4829	* .5175	* .6095	* .5099	* .5760	* .3506
	* 4.0001	* 3.7762	* 3.9931	* 3.7230	* 3.1607	* 3.7910	* 3.3558	* 5.5226
9	* .5107	* .5873	* .5032	* .6182	* .5275	* .5259	* .5776	* .3366
	* 3.7762	* 3.2820	* 3.8293	* 3.1155	* 3.6538	* 3.6743	* 3.3460	* 5.7536
10	* .4829	* .5032	* .5434	* .5722	* .6296	* .5324	* .5726	* .3201
	* 3.9928	* 3.8299	* 3.5466	* 3.3670	* 3.0606	* 3.6241	* 3.3735	* 6.0479
11	* .5175	* .6182	* .5721	* .6340	* .5411	* .6077	* .5453	* .2839
	* 3.7230	* 3.1158	* 3.3678	* 3.0383	* 3.5614	* 3.1723	* 3.5402	* 6.8145
12	* .6095	* .5275	* .6295	* .5410	* .5218	* .5565	* .3687	*
	* 3.1607	* 3.6544	* 3.0609	* 3.5622	* 3.6951	* 3.4650	* 5.2339	*
13	* .5099	* .5260	* .5322	* .6074	* .5563	* .3915	* .2233	*
	* 3.7910	* 3.6742	* 3.6255	* 3.1737	* 3.4667	* 4.9319	* 8.6690	*
14	* .5760	* .5778	* .5722	* .5444	* .3680	* .2230	*	*
	* 3.3557	* 3.3450	* 3.3763	* 3.5461	* 5.2433	* 8.6799	*	*
15	* .3508	* .3375	* .3199	* .2693	F-SUB-Q			
	* 5.5207	* 5.7379	* 6.0529	* 7.1846	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .4255 *	* .5694 *	* .6024 *	* .6501 *	* .7365 *	* .6459 *	* .6968 *	* .4543 *
	* 3.6767 *	* 3.8070 *	* 3.7621 *	* 3.4813 *	* 3.0747 *	* 3.5401 *	* 3.2982 *	* 5.0342 *
9	* .5694 *	* .6623 *	* .6220 *	* .7294 *	* .6532 *	* .6574 *	* .6940 *	* .4328 *
	* 3.8070 *	* 3.4576 *	* 3.6891 *	* 3.1070 *	* 3.4625 *	* 3.4933 *	* 3.3075 *	* 5.2770 *
10	* .6023 *	* .6219 *	* .6523 *	* .6670 *	* .7223 *	* .6373 *	* .6688 *	* .4071 *
	* 3.7623 *	* 3.6898 *	* 3.5104 *	* 3.4244 *	* 3.1169 *	* 3.5169 *	* 3.3596 *	* 5.5385 *
11	* .6501 *	* .7294 *	* .6669 *	* .7035 *	* .6029 *	* .6482 *	* .6053 *	* .3517 *
	* 3.4815 *	* 3.1064 *	* 3.4250 *	* 3.2371 *	* 3.6433 *	* 3.4014 *	* 3.6590 *	* 6.2735 *
12	* .7365 *	* .6532 *	* .7222 *	* .6027 *	* .4506 *	* .5128 *	* .3890 *	
	* 3.0747 *	* 3.4623 *	* 3.1175 *	* 3.6441 *	* 3.5677 *	* 3.5682 *	* 5.3456 *	
13	* .6459 *	* .6573 *	* .6369 *	* .6474 *	* .5118 *	* .3365 *	* .2413 *	
	* 3.5401 *	* 3.4941 *	* 3.5192 *	* 3.4043 *	* 3.5713 *	* 4.7297 *	* 7.7856 *	
14	* .6968 *	* .6939 *	* .6676 *	* .6034 *	* .3875 *	* .2409 *		
	* 3.2982 *	* 3.3081 *	* 3.3659 *	* 3.6709 *	* 5.3608 *	* 7.7953 *		
15	* .4543 *	* .4331 *	* .4061 *	* .3331 *	F-SUB-Q			
	* 5.0345 *	* 5.2734 *	* 5.5534 *	* 6.6258 *	M-SUB-Q			

AT 75% POWER, 465 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .7869 *	* 1.0673 *	* 1.1379 *	* 1.2116 *	* 1.3775 *	* 1.1952 *	* 1.3913 *	* .8377 *
	* 2.2270 *	* 2.0526 *	* 2.0379 *	* 1.9144 *	* 1.6835 *	* 1.9503 *	* 1.6912 *	* 2.7953 *
9	* 1.0673 *	* 1.2749 *	* 1.1546 *	* 1.3493 *	* 1.2256 *	* 1.2601 *	* 1.3869 *	* .8404 *
	* 2.0526 *	* 1.8235 *	* 2.0223 *	* 1.7169 *	* 1.8914 *	* 1.8532 *	* 1.6900 *	* 2.7823 *
10	* 1.1379 *	* 1.1545 *	* 1.2276 *	* 1.2375 *	* 1.3244 *	* 1.2200 *	* 1.3390 *	* .7941 *
	* 2.0379 *	* 2.0225 *	* 1.9105 *	* 1.8778 *	* 1.7400 *	* 1.8836 *	* 1.7164 *	* 2.8960 *
11	* 1.2115 *	* 1.3495 *	* 1.2372 *	* 1.3039 *	* 1.1123 *	* 1.2263 *	* 1.1657 *	* .7046 *
	* 1.9146 *	* 1.7169 *	* 1.8782 *	* 1.7705 *	* 1.9904 *	* 1.8122 *	* 1.9380 *	* 3.2091 *
12	* 1.3775 *	* 1.2256 *	* 1.3243 *	* 1.1120 *	* .8804 *	* 1.0261 *	* .7511 *	
	* 1.6835 *	* 1.8913 *	* 1.7402 *	* 1.9909 *	* 1.9460 *	* 1.8151 *	* 2.8013 *	
13	* 1.1952 *	* 1.2601 *	* 1.2188 *	* 1.2251 *	* 1.0246 *	* .6492 *	* .4590 *	
	* 1.9503 *	* 1.8533 *	* 1.8855 *	* 1.8132 *	* 1.8164 *	* 2.5190 *	* 4.1482 *	
14	* 1.3913 *	* 1.3869 *	* 1.3370 *	* 1.1617 *	* .7487 *	* .4582 *		
	* 1.6912 *	* 1.6901 *	* 1.7190 *	* 1.9447 *	* 2.8077 *	* 4.1525 *		
15	* .8385 *	* .8420 *	* .7925 *	* .6562 *	F-SUB-Q			
	* 2.7928 *	* 2.7790 *	* 2.9021 *	* 3.4459 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9135	* 1.2102	* 1.3007	* 1.3900	* 1.5979	* 1.3669	* 1.6243	* .9732
	* 2.0356	* 1.8455	* 1.8055	* 1.6908	* 1.4697	* 1.7243	* 1.4525	* 2.4129
9	* 1.2102	* 1.4562	* 1.3244	* 1.5555	* 1.4141	* 1.4433	* 1.6196	* .9817
	* 1.8455	* 1.6109	* 1.7742	* 1.5072	* 1.6602	* 1.6292	* 1.4520	* 2.3904
10	* 1.3007	* 1.3245	* 1.3846	* 1.4023	* 1.5119	* 1.3988	* 1.5644	* .9341
	* 1.8054	* 1.7741	* 1.6950	* 1.6675	* 1.5427	* 1.6640	* 1.4866	* 2.4873
11	* 1.3899	* 1.5557	* 1.4019	* 1.5011	* 1.2759	* 1.4329	* 1.3603	* .8159
	* 1.6909	* 1.5072	* 1.6679	* 1.5520	* 1.7700	* 1.5718	* 1.6851	* 2.8108
12	* 1.5979	* 1.4142	* 1.5118	* 1.2756	* 1.0262	* 1.1948		* .8942
	* 1.4697	* 1.6601	* 1.5428	* 1.7704	* 1.7543	* 1.5830		* 2.3816
13	* 1.3669	* 1.4434	* 1.3978	* 1.4308	* 1.1934	* .7500	* .5398	
	* 1.7243	* 1.6291	* 1.6653	* 1.5724	* 1.5836	* 2.2063	* 3.5794	
14	* 1.6242	* 1.6198	* 1.5626	* 1.3567	* .8919	* .5390		
	* 1.4525	* 1.4518	* 1.4883	* 1.6896	* 2.3859	* 3.5833		
15	* .9751	* .9841	* .9328	* .7702	* F-SUB-Q			
	* 2.4081	* 2.3846	* 2.4912	* 2.9777	* M-SUB-Q			

AT 75% POWER, 465 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9509	* 1.2548	* 1.3520	* 1.4521	* 1.7030	* 1.4320	* 1.7460	* 1.0174
	* 1.9961	* 1.7963	* 1.7603	* 1.6397	* 1.3968	* 1.6613	* 1.3615	* 2.3263
9	* 1.2548	* 1.5583	* 1.3774	* 1.6650	* 1.4796	* 1.5148	* 1.7402	* 1.0124
	* 1.7963	* 1.5246	* 1.7265	* 1.4264	* 1.6075	* 1.5683	* 1.3634	* 2.3373
10	* 1.3520	* 1.3775	* 1.4429	* 1.4703	* 1.6228	* 1.4687	* 1.6811	* .9607
	* 1.7602	* 1.7264	* 1.6445	* 1.6099	* 1.4586	* 1.6052	* 1.4002	* 2.4473
11	* 1.4521	* 1.6652	* 1.4698	* 1.6052	* 1.3288	* 1.5376	* 1.4600	* .8348
	* 1.6397	* 1.4263	* 1.6104	* 1.4707	* 1.7161	* 1.4897	* 1.5845	* 2.7794
12	* 1.7030	* 1.4797	* 1.6227	* 1.3284	* 1.0739	* 1.2840	* .9205	
	* 1.3968	* 1.6074	* 1.4587	* 1.7164	* 1.7058	* 1.5056	* 2.3515	
13	* 1.4320	* 1.5151	* 1.4679	* 1.5359	* 1.2828	* .7755	* .5517	
	* 1.6613	* 1.5680	* 1.6061	* 1.4900	* 1.5059	* 2.1943	* 3.5728	
14	* 1.7460	* 1.7406	* 1.6797	* 1.4570	* .9186	* .5509		
	* 1.3615	* 1.3631	* 1.4014	* 1.5879	* 2.3550	* 3.5763		
15	* 1.0175	* 1.0152	* .9598	* .7874	* F-SUB-Q			
	* 2.3262	* 2.3309	* 2.4499	* 2.9477	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9586	* 1.2459	* 1.3386	* 1.4397	* 1.7016	* 1.4242	* 1.7546	* 1.0156
	* 2.0563	* 1.8454	* 1.8075	* 1.6774	* 1.4173	* 1.6957	* 1.3740	* 2.3651
9	* 1.2459	* 1.5608	* 1.3638	* 1.6673	* 1.4687	* 1.5054	* 1.7485	* 1.0137
	* 1.8454	* 1.5506	* 1.7735	* 1.4447	* 1.6417	* 1.6023	* 1.3770	* 2.3696
10	* 1.3387	* 1.3639	* 1.4285	* 1.4604	* 1.6281	* 1.4614	* 1.6890	* .9610
	* 1.8074	* 1.7734	* 1.6889	* 1.6456	* 1.4728	* 1.6318	* 1.4100	* 2.4811
11	* 1.4397	* 1.6674	* 1.4598	* 1.6080	* 1.3237	* 1.5432	* 1.4627	* .8331
	* 1.6774	* 1.4446	* 1.6462	* 1.4898	* 1.7584	* 1.5121	* 1.6053	* 2.8181
12	* 1.7016	* 1.4688	* 1.6281	* 1.3234	* 1.0819	* 1.2941	* .9237	*
	* 1.4173	* 1.6417	* 1.4729	* 1.7587	* 1.7523	* 1.5311	* 2.3910	*
13	* 1.4242	* 1.5058	* 1.4609	* 1.5418	* 1.2931	* .7809	* .5499	*
	* 1.6957	* 1.6019	* 1.6325	* 1.5123	* 1.5312	* 2.2486	* 3.6736	*
14	* 1.7546	* 1.7490	* 1.6880	* 1.4611	* .9221	* .5492	*	*
	* 1.3740	* 1.3766	* 1.4109	* 1.6081	* 2.3940	* 3.6768	*	*
15	* 1.0169	* 1.0168	* .9603	* .7877	* F-SUB-Q			
	* 2.3622	* 2.3626	* 2.4831	* 2.9812	* M-SUB-Q			

AT 75% POWER, 465 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9509	* 1.2298	* 1.3094	* 1.4081	* 1.6699	* 1.3961	* 1.7270	* 1.0031
	* 2.1365	* 1.9153	* 1.8789	* 1.7432	* 1.4668	* 1.7520	* 1.4140	* 2.4265
9	* 1.2298	* 1.5339	* 1.3335	* 1.6376	* 1.4370	* 1.4760	* 1.7209	* 1.0041
	* 1.9153	* 1.6043	* 1.8425	* 1.4949	* 1.7053	* 1.6541	* 1.4163	* 2.4237
10	* 1.3095	* 1.3335	* 1.3965	* 1.4301	* 1.6007	* 1.4326	* 1.6625	* .9515
	* 1.8788	* 1.8425	* 1.7548	* 1.7091	* 1.5246	* 1.6926	* 1.4548	* 2.5412
11	* 1.4081	* 1.6377	* 1.4296	* 1.5802	* 1.3084	* 1.5187	* 1.4457	* .8242
	* 1.7432	* 1.4949	* 1.7098	* 1.5435	* 1.8271	* 1.5625	* 1.6645	* 2.9056
12	* 1.6699	* 1.4370	* 1.6006	* 1.3081	* 1.0696	* 1.2782	* .9183	*
	* 1.4668	* 1.7054	* 1.5247	* 1.8274	* 1.8268	* 1.5916	* 2.4575	*
13	* 1.3961	* 1.4765	* 1.4321	* 1.5176	* 1.2774	* .7772	* .5445	*
	* 1.7520	* 1.6537	* 1.6932	* 1.5627	* 1.5917	* 2.3331	* 3.8184	*
14	* 1.7271	* 1.7215	* 1.6618	* 1.4443	* .9169	* .5439	*	*
	* 1.4139	* 1.4158	* 1.4555	* 1.6663	* 2.4603	* 3.8215	*	*
15	* 1.0044	* 1.0072	* .9511	* .7817	* F-SUB-Q			
	* 2.4234	* 2.4164	* 2.5426	* 3.0639	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9302	* 1.2023	* 1.2873	* 1.3844	* 1.6502	* 1.3725	* 1.7115	* .9822
	* 2.2084	* 1.9749	* 1.9650	* 1.8209	* 1.5233	* 1.8231	* 1.4579	* 2.5320
9	* 1.2023	* 1.5202	* 1.3104	* 1.6201	* 1.4132	* 1.4528	* 1.7056	* .9789
	* 1.9749	* 1.6578	* 1.9278	* 1.5527	* 1.7806	* 1.7207	* 1.4615	* 2.5410
10	* 1.2874	* 1.3104	* 1.3740	* 1.4089	* 1.5847	* 1.4116	* 1.6489	* .9271
	* 1.9648	* 1.9279	* 1.8348	* 1.7858	* 1.5842	* 1.7649	* 1.5057	* 2.6747
11	* 1.3844	* 1.6202	* 1.4083	* 1.5649	* 1.2796	* 1.5068	* 1.4297	* .8028
	* 1.8209	* 1.5527	* 1.7866	* 1.5923	* 1.8874	* 1.6027	* 1.7339	* 3.0731
12	* 1.6502	* 1.4132	* 1.5847	* 1.2793	* 1.0477	* 1.2704		* .8970
	* 1.5233	* 1.7807	* 1.5843	* 1.8877	* 1.8968	* 1.6408		* 2.5729
13	* 1.3725	* 1.4533	* 1.4113	* 1.5059	* 1.2697	* .7613	* .5310	
	* 1.8231	* 1.7201	* 1.7654	* 1.6029	* 1.6410	* 2.4464	* 4.0260	
14	* 1.7115	* 1.7063	* 1.6483	* 1.4285	* .8957	* .5305		
	* 1.4578	* 1.4609	* 1.5063	* 1.7358	* 2.5756	* 4.0291		
15	* .9835	* .9821	* .9268	* .7601	* F-SUB-Q			
	* 2.5286	* 2.5330	* 2.6756	* 3.2463	* M-SUB-Q			

AT 75% POWER, 465 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9197	* 1.1875	* 1.2683	* 1.3623	* 1.6273	* 1.3501	* 1.6899	* .9673
	* 2.2892	* 2.0476	* 2.0754	* 1.9223	* 1.6032	* 1.9181	* 1.5264	* 2.6579
9	* 1.1876	* 1.5056	* 1.2906	* 1.6000	* 1.3908	* 1.4299	* 1.6845	* .9634
	* 2.0476	* 1.7158	* 2.0375	* 1.6349	* 1.8793	* 1.8104	* 1.5311	* 2.6703
10	* 1.2684	* 1.2906	* 1.3540	* 1.3903	* 1.5662	* 1.3917	* 1.6309	* .9126
	* 2.0753	* 2.0376	* 1.9397	* 1.8800	* 1.6687	* 1.8608	* 1.5807	* 2.8180
11	* 1.3623	* 1.6000	* 1.3897	* 1.5485	* 1.2638	* 1.4939	* 1.4170	* .7912
	* 1.9223	* 1.6350	* 1.8806	* 1.6491	* 1.9606	* 1.6583	* 1.7949	* 3.2486
12	* 1.6273	* 1.3907	* 1.5662	* 1.2635	* 1.0364	* 1.2639		* .8892
	* 1.6032	* 1.8794	* 1.6687	* 1.9609	* 1.9644	* 1.6949		* 2.6644
13	* 1.3501	* 1.4304	* 1.3914	* 1.4930	* 1.2633	* .7574	* .5268	
	* 1.9181	* 1.8098	* 1.8612	* 1.6584	* 1.6950	* 2.5412	* 4.1876	
14	* 1.6900	* 1.6852	* 1.6305	* 1.4159	* .8881	* .5263		
	* 1.5264	* 1.5304	* 1.5812	* 1.7966	* 2.6671	* 4.1907		
15	* .9686	* .9666	* .9124	* .7494	* F-SUB-Q			
	* 2.6544	* 2.6616	* 2.8188	* 3.4308	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9205	* 1.1845	* 1.2610	* 1.3510	* 1.6186	* 1.3364	* 1.6810	* .9560
	* 2.3915	* 2.1367	* 2.1987	* 2.0356	* 1.6910	* 2.0267	* 1.6034	* 2.8098
9	* 1.1845	* 1.5094	* 1.2826	* 1.5952	* 1.3795	* 1.4171	* 1.6764	* .9481
	* 2.1367	* 1.7820	* 2.1602	* 1.7250	* 1.9897	* 1.9122	* 1.6090	* 2.8358
10	* 1.2611	* 1.2825	* 1.3477	* 1.3859	* 1.5635	* 1.3834	* 1.6273	* .8990
	* 2.1985	* 2.1603	* 2.0404	* 1.9600	* 1.7449	* 1.9686	* 1.6639	* 2.9990
11	* 1.3511	* 1.5952	* 1.3853	* 1.5506	* 1.2571	* 1.4987	* 1.4160	* .7813
	* 2.0356	* 1.7249	* 1.9607	* 1.7156	* 2.0489	* 1.7250	* 1.8663	* 3.4679
12	* 1.6186	* 1.3794	* 1.5635	* 1.2568	* 1.0389	* 1.2784		* .8871
	* 1.6910	* 1.9898	* 1.7449	* 2.0492	* 2.0517	* 1.7613		* 2.8010
13	* 1.3364	* 1.4177	* 1.3832	* 1.4980	* 1.2779	* .7653		* .5287
	* 2.0267	* 1.9114	* 1.9690	* 1.7251	* 1.7614	* 2.6679		* 4.4085
14	* 1.6810	* 1.6771	* 1.6269	* 1.4150	* .8860	* .5282		
	* 1.6034	* 1.6083	* 1.6643	* 1.8681	* 2.8036	* 4.4117		
15	* .9573	* .9513	* .8989	* .7435	* F-SUB-Q			
	* 2.8060	* 2.8263	* 2.9995	* 3.6450	* M-SUB-Q			

AT 75% POWER, 465 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9633	* 1.2029	* 1.2506	* 1.3324	* 1.5920	* 1.3167	* 1.6506	* .9519
	* 2.5231	* 2.2537	* 2.3222	* 2.1885	* 1.8207	* 2.1713	* 1.7221	* 2.9780
9	* 1.2029	* 1.5018	* 1.2713	* 1.5733	* 1.3606	* 1.3971	* 1.6473	* .9544
	* 2.2537	* 1.8796	* 2.2841	* 1.8487	* 2.1386	* 2.0494	* 1.7286	* 2.9712
10	* 1.2507	* 1.2712	* 1.3448	* 1.3767	* 1.5462	* 1.3688	* 1.6048	* .9075
	* 2.3220	* 2.2842	* 2.1270	* 2.0667	* 1.8425	* 2.0817	* 1.7886	* 3.1435
11	* 1.3324	* 1.5733	* 1.3761	* 1.5418	* 1.2790	* 1.4942	* 1.4170	* .7927
	* 2.1885	* 1.8487	* 2.0674	* 1.8142	* 2.1644	* 1.8251	* 1.9688	* 3.5855
12	* 1.5920	* 1.3605	* 1.5461	* 1.2787	* 1.0850	* 1.3033		* .9190
	* 1.8207	* 2.1388	* 1.8425	* 2.1648	* 2.1799	* 1.8744		* 2.8886
13	* 1.3167	* 1.3976	* 1.3686	* 1.4935	* 1.3029	* .8185		* .5531
	* 2.1713	* 2.0486	* 2.0824	* 1.8252	* 1.8745	* 2.7717		* 4.5716
14	* 1.6507	* 1.6480	* 1.6045	* 1.4160	* .9180			* .5526
	* 1.7221	* 1.7278	* 1.7890	* 1.9706	* 2.8913			* 4.5748
15	* .9532	* .9576	* .9075	* .7541	* F-SUB-Q			
	* 2.9739	* 2.9610	* 3.1438	* 3.7694	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0497	* 1.2306	* 1.2617	* 1.3386	* 1.6071	* 1.3171	* 1.6655	* .9445 *
	* 2.6391	* 2.3515	* 2.4368	* 2.3169	* 1.9238	* 2.3077	* 1.8132	* 3.1835 *
9	* 1.2306	* 1.5416	* 1.2813	* 1.5946	* 1.3693	* 1.4005	* 1.6636	* .9372 *
	* 2.3515	* 1.9490	* 2.3979	* 1.9270	* 2.2467	* 2.1755	* 1.8201	* 3.2137 *
10	* 1.2618	* 1.2812	* 1.3510	* 1.3970	* 1.5730	* 1.3804	* 1.6284	* .8924 *
	* 2.4366	* 2.3981	* 2.2556	* 2.1621	* 1.9168	* 2.1776	* 1.8606	* 3.4060 *
11	* 1.3386	* 1.5946	* 1.3963	* 1.5800	* 1.2958	* 1.5392	* 1.4428	* .7831 *
	* 2.3169	* 1.9270	* 2.1629	* 1.8860	* 2.2665	* 1.8964	* 2.0457	* 3.8402 *
12	* 1.6071	* 1.3692	* 1.5730	* 1.2956	* 1.1896	* 1.4020		* .9289 *
	* 1.9238	* 2.2469	* 1.9168	* 2.2669	* 2.2760	* 1.9432		* 3.0857 *
13	* 1.3171	* 1.4011	* 1.3803	* 1.5391	* 1.4017	* .8944	* .5673	
	* 2.3077	* 2.1746	* 2.1783	* 1.8965	* 1.9434	* 2.9560	* 4.8883	
14	* 1.6656	* 1.6644	* 1.6281	* 1.4416	* .9280	* .5669		
	* 1.8132	* 1.8193	* 1.8609	* 2.0475	* 3.0884	* 4.8917		
15	* .9458	* .9404	* .8924	* .7415	* F-SUB-Q			
	* 3.1791	* 3.2025	* 3.4061	* 4.0559	* M-SUB-Q			

AT 75% POWER, 465 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1270	* 1.2772	* 1.2676	* 1.3376	* 1.6072	* 1.3123	* 1.6630	* .9423 *
	* 2.7043	* 2.4042	* 2.4770	* 2.3612	* 1.9701	* 2.4197	* 1.9139	* 3.3691 *
9	* 1.2772	* 1.5656	* 1.2861	* 1.6004	* 1.3712	* 1.3971	* 1.6624	* .9358 *
	* 2.4042	* 1.9919	* 2.4429	* 1.9715	* 2.3001	* 2.2713	* 1.9127	* 3.3913 *
10	* 1.2677	* 1.2860	* 1.3589	* 1.4089	* 1.5842	* 1.3863	* 1.6345	* .8932 *
	* 2.4768	* 2.4431	* 2.3063	* 2.2240	* 1.9773	* 2.2637	* 1.9345	* 3.5393 *
11	* 1.3377	* 1.6004	* 1.4081	* 1.6021	* 1.3228	* 1.5724	* 1.4628	* .7879 *
	* 2.3612	* 1.9715	* 2.2251	* 1.9489	* 2.3469	* 1.9764	* 2.1348	* 3.9790 *
12	* 1.6072	* 1.3711	* 1.5843	* 1.3225	* 1.2735	* 1.4877	* .9564	
	* 1.9701	* 2.3002	* 1.9773	* 2.3473	* 2.3861	* 2.0437	* 3.2157	
13	* 1.3123	* 1.3978	* 1.3859	* 1.5724	* 1.4875	* .9682	* .5912	
	* 2.4197	* 2.2703	* 2.2644	* 1.9764	* 2.0439	* 3.1016	* 5.1082	
14	* 1.6631	* 1.6631	* 1.6343	* 1.4616	* .9555	* .5908		
	* 1.9138	* 1.9118	* 1.9348	* 2.1365	* 3.2183	* 5.1116		
15	* .9436	* .9391	* .8932	* .7467	* F-SUB-Q			
	* 3.3645	* 3.3797	* 3.5394	* 4.1980	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1618	* 1.3002	* 1.2664	* 1.3298	* 1.5944	* 1.3028	* 1.6469	* .9438 *
	* 2.6498	* 2.3667	* 2.4363	* 2.3249	* 1.9425	* 2.3794	* 1.8869	* 3.2822 *
9	* 1.3002	* 1.5709	* 1.2845	* 1.5920	* 1.3651	* 1.3877	* 1.6476	* .9445 *
	* 2.3667	* 1.9645	* 2.4032	* 1.9443	* 2.2656	* 2.2348	* 1.8859	* 3.2793 *
10	* 1.2666	* 1.2843	* 1.3752	* 1.4096	* 1.5845	* 1.3866	* 1.6257	* .9039 *
	* 2.4361	* 2.4035	* 2.2461	* 2.1913	* 1.9518	* 2.2312	* 1.9087	* 3.4232 *
11	* 1.3298	* 1.5920	* 1.4089	* 1.6061	* 1.3378	* 1.5825	* 1.4669	* .8010 *
	* 2.3249	* 1.9443	* 2.1924	* 1.9239	* 2.3081	* 1.9516	* 2.1081	* 3.8504 *
12	* 1.5944	* 1.3649	* 1.5845	* 1.3375	* 1.3180	* 1.5232	* .9892 *	
	* 1.9425	* 2.2658	* 1.9518	* 2.3085	* 2.3380	* 2.0193	* 3.1065 *	
13	* 1.3028	* 1.3883	* 1.3862	* 1.5825	* 1.5230	* 1.0177	* .6155 *	
	* 2.3794	* 2.2338	* 2.2318	* 1.9516	* 2.0194	* 3.0083	* 4.9515 *	
14	* 1.6470	* 1.6483	* 1.6255	* 1.4662	* .9884	* .6150 *		
	* 1.8868	* 1.8850	* 1.9089	* 2.1092	* 3.1090	* 4.9548 *		
15	* .9451	* .9479	* .9039	* .7627	* F-SUB-Q			
	* 3.2777	* 3.2679	* 3.4232	* 4.0433	* M-SUB-Q			

AT 75% POWER, 465 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1771	* 1.3214	* 1.2748	* 1.3367	* 1.6106	* 1.3054	* 1.6646	* .9385 *
	* 2.6047	* 2.3120	* 2.3765	* 2.2626	* 1.8800	* 2.3031	* 1.8117	* 3.1857 *
9	* 1.3214	* 1.6032	* 1.2924	* 1.6122	* 1.3739	* 1.3929	* 1.6660	* .9297 *
	* 2.3120	* 1.9035	* 2.3459	* 1.8834	* 2.2065	* 2.1697	* 1.8173	* 3.2205 *
10	* 1.2749	* 1.2923	* 1.3711	* 1.4241	* 1.6104	* 1.4004	* 1.6483	* .8898 *
	* 2.3763	* 2.3462	* 2.2193	* 2.1373	* 1.8958	* 2.1768	* 1.8471	* 3.3996 *
11	* 1.3368	* 1.6122	* 1.4233	* 1.6352	* 1.3484	* 1.6124	* 1.4917	* .7900 *
	* 2.2625	* 1.8834	* 2.1385	* 1.8695	* 2.2651	* 1.8965	* 2.0395	* 3.8381 *
12	* 1.6106	* 1.3737	* 1.6104	* 1.3482	* 1.3357	* 1.5652	* .9825 *	
	* 1.8800	* 2.2067	* 1.8958	* 2.2655	* 2.3012	* 1.9591	* 3.1060 *	
13	* 1.3054	* 1.3935	* 1.4001	* 1.6124	* 1.5651	* 1.0221	* .6135 *	
	* 2.3031	* 2.1687	* 2.1773	* 1.8965	* 1.9592	* 2.9960	* 4.9568 *	
14	* 1.6646	* 1.6668	* 1.6482	* 1.4907	* .9817	* .6131 *		
	* 1.8117	* 1.8164	* 1.8472	* 2.0485	* 3.1083	* 4.9599 *		
15	* .9398	* .9330	* .8899	* .7535	* F-SUB-Q			
	* 3.1812	* 3.2092	* 3.3992	* 4.0239	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1834	* 1.3284	* 1.2762	* 1.3366	* 1.6138	* 1.3033	* 1.6681	* .9371
	* 2.4713	* 2.1974	* 2.2677	* 2.1570	* 1.7927	* 2.2053	* 1.7355	* 3.0434
9	* 1.3284	* 1.6154	* 1.2936	* 1.6180	* 1.3745	* 1.3916	* 1.6701	* .9259
	* 2.1974	* 1.8130	* 2.2424	* 1.8042	* 2.1144	* 2.0760	* 1.7388	* 3.0828
10	* 1.2764	* 1.2933	* 1.3717	* 1.4279	* 1.6191	* 1.4039	* 1.6550	* .8866
	* 2.2675	* 2.2427	* 2.1248	* 2.0468	* 1.8157	* 2.0907	* 1.7755	* 3.2449
11	* 1.3367	* 1.6180	* 1.4272	* 1.6454	* 1.3523	* 1.6228	* 1.5070	* .7880
	* 2.1569	* 1.8042	* 2.0479	* 1.7906	* 2.1720	* 1.8197	* 1.9523	* 3.6714
12	* 1.6138	* 1.3744	* 1.6191	* 1.3521	* 1.3443	* 1.5817	* .9848	*
	* 1.7927	* 2.1147	* 1.8157	* 2.1724	* 2.2082	* 1.8786	* 2.9740	*
13	* 1.3033	* 1.3922	* 1.4036	* 1.6229	* 1.5816	* 1.0280	* .6150	*
	* 2.2053	* 2.0750	* 2.0911	* 1.8196	* 1.8787	* 2.8682	* 4.7062	*
14	* 1.6681	* 1.6709	* 1.6549	* 1.5061	* .9841	* .6146	*	*
	* 1.7354	* 1.7380	* 1.7755	* 1.9534	* 2.9761	* 4.7089	*	*
15	* .9384	* .9293	* .8867	* .7517	F-SUB-Q			
	* 3.0393	* 3.0720	* 3.2444	* 3.8477	M-SUB-Q			

AT 75% POWER, 465 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1853	* 1.3311	* 1.2763	* 1.3349	* 1.6136	* 1.3006	* 1.6673	* .9374
	* 2.2903	* 2.0351	* 2.0964	* 1.9976	* 1.6592	* 2.0485	* 1.6098	* 2.8215
9	* 1.3311	* 1.6205	* 1.2934	* 1.6193	* 1.3733	* 1.3895	* 1.6696	* .9279
	* 2.0351	* 1.6764	* 2.0734	* 1.6647	* 1.9541	* 1.9256	* 1.6113	* 2.8520
10	* 1.2764	* 1.2932	* 1.3769	* 1.4286	* 1.6215	* 1.4037	* 1.6560	* .8889
	* 2.0962	* 2.0737	* 1.9660	* 1.8975	* 1.6822	* 1.9398	* 1.6391	* 2.9934
11	* 1.3349	* 1.6192	* 1.4278	* 1.6487	* 1.3526	* 1.6258	* 1.5091	* .7907
	* 1.9976	* 1.6648	* 1.8986	* 1.6577	* 2.0125	* 1.6838	* 1.8070	* 3.3866
12	* 1.6136	* 1.3732	* 1.6215	* 1.3524	* 1.3466	* 1.5875	* .9913	*
	* 1.6592	* 1.9543	* 1.6821	* 2.0129	* 2.0431	* 1.7337	* 2.7377	*
13	* 1.3006	* 1.3902	* 1.4034	* 1.6259	* 1.5874	* 1.0352	* .6189	*
	* 2.0485	* 1.9246	* 1.9402	* 1.6837	* 1.7338	* 2.6399	* 4.3376	*
14	* 1.6673	* 1.6705	* 1.6559	* 1.5081	* .9907	* .6185	*	*
	* 1.6097	* 1.6105	* 1.6391	* 1.8080	* 2.7395	* 4.3401	*	*
15	* .9387	* .9314	* .8891	* .7547	F-SUB-Q			
	* 2.8176	* 2.8418	* 2.9928	* 3.5473	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1875	* 1.3283	* 1.2742	* 1.3298	* 1.6049	* 1.2962	* 1.6572	* .9464 *
	* 2.2132	* 1.9773	* 2.0336	* 1.9447	* 1.6176	* 1.9959	* 1.5719	* 2.7165 *
9	* 1.3283	* 1.6135	* 1.2905	* 1.6113	* 1.3682	* 1.3847	* 1.6596	* .9405 *
	* 1.9773	* 1.6310	* 2.0109	* 1.6193	* 1.8994	* 1.8752	* 1.5724	* 2.7332 *
10	* 1.2743	* 1.2903	* 1.3909	* 1.4244	* 1.6140	* 1.3988	* 1.6467	* .9017 *
	* 2.0334	* 2.0112	* 1.8807	* 1.8386	* 1.6339	* 1.8790	* 1.5941	* 2.8609 *
11	* 1.3299	* 1.6113	* 1.4236	* 1.6415	* 1.3552	* 1.6185	* 1.5016	* .8026 *
	* 1.9446	* 1.6193	* 1.8396	* 1.6118	* 1.9446	* 1.6376	* 1.7566	* 3.2229 *
12	* 1.6049	* 1.3681	* 1.6140	* 1.3549	* 1.3484	* 1.5809	* 1.0102	*
	* 1.6176	* 1.8996	* 1.6338	* 1.9450	* 1.9684	* 1.6867	* 2.6056	*
13	* 1.2962	* 1.3853	* 1.3986	* 1.6186	* 1.5808	* 1.0514	* .6295	*
	* 1.9959	* 1.8743	* 1.8793	* 1.6375	* 1.6868	* 2.5192	* 4.1395	*
14	* 1.6572	* 1.6604	* 1.6467	* 1.5007	* 1.0096	* .6291	*	*
	* 1.5719	* 1.5716	* 1.5941	* 1.7575	* 2.6072	* 4.1418	*	*
15	* .9477	* .9440	* .9019	* .7650	* F-SUB-Q			
	* 2.7126	* 2.7234	* 2.8602	* 3.3803	* M-SUB-Q			

AT 75% POWER, 465 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1944	* 1.3429	* 1.2856	* 1.3423	* 1.6299	* 1.3059	* 1.6853	* .9419 *
	* 2.0559	* 1.8303	* 1.8951	* 1.8125	* 1.4984	* 1.8651	* 1.4548	* 2.5697 *
9	* 1.3429	* 1.6442	* 1.3011	* 1.6380	* 1.3815	* 1.3968	* 1.6878	* .9287 *
	* 1.8303	* 1.4992	* 1.8740	* 1.4966	* 1.7678	* 1.7490	* 1.4545	* 2.6072 *
10	* 1.2858	* 1.3009	* 1.3839	* 1.4403	* 1.6412	* 1.4136	* 1.6754	* .8892 *
	* 1.8950	* 1.8743	* 1.7730	* 1.7051	* 1.5049	* 1.7420	* 1.4707	* 2.7285 *
11	* 1.3423	* 1.6379	* 1.4394	* 1.6694	* 1.3609	* 1.6450	* 1.5275	* .7905 *
	* 1.8124	* 1.4966	* 1.7061	* 1.4828	* 1.8124	* 1.5060	* 1.6145	* 3.0695 *
12	* 1.6299	* 1.3814	* 1.6413	* 1.3605	* 1.3574	* 1.6099	* .9944	*
	* 1.4984	* 1.7680	* 1.5049	* 1.8127	* 1.8319	* 1.5488	* 2.4755	*
13	* 1.3059	* 1.3975	* 1.4134	* 1.6452	* 1.6098	* 1.0402	* .6193	*
	* 1.8651	* 1.7481	* 1.7423	* 1.5059	* 1.5489	* 2.3822	* 3.9434	*
14	* 1.6853	* 1.6887	* 1.6755	* 1.5267	* .9938	* .6189	*	*
	* 1.4548	* 1.4537	* 1.4707	* 1.6153	* 2.4771	* 3.9456	*	*
15	* .9432	* .9322	* .8894	* .7544	* F-SUB-Q			
	* 2.5661	* 2.5978	* 2.7278	* 3.2156	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2017	* 1.3524	* 1.2938	* 1.3501	* 1.6417	* 1.3131	* 1.6979	* .9478 *
	* 1.9241	* 1.7156	* 1.7889	* 1.7122	* 1.4127	* 1.7628	* 1.3714	* 2.4279 *
9	* 1.3524	* 1.6584	* 1.3091	* 1.6506	* 1.3898	* 1.4056	* 1.7006	* .9337 *
	* 1.7156	* 1.4045	* 1.7681	* 1.4092	* 1.6683	* 1.6513	* 1.3705	* 2.4652 *
10	* 1.2940	* 1.3089	* 1.3936	* 1.4504	* 1.6542	* 1.4230	* 1.6886	* .8939 *
	* 1.7887	* 1.7684	* 1.6684	* 1.6046	* 1.4124	* 1.6390	* 1.3833	* 2.5774 *
11	* 1.3501	* 1.6506	* 1.4495	* 1.6829	* 1.3694	* 1.6578	* 1.5392	* .7945 *
	* 1.7122	* 1.4092	* 1.6056	* 1.3890	* 1.7015	* 1.4098	* 1.5142	* 2.8952 *
12	* 1.6417	* 1.3897	* 1.6542	* 1.3690	* 1.3667	* 1.6233	* 1.0006	*
	* 1.4127	* 1.6685	* 1.4124	* 1.7019	* 1.7054	* 1.4393	* 2.3161	*
13	* 1.3131	* 1.4062	* 1.4228	* 1.6580	* 1.6233	* 1.0473	* .6225	*
	* 1.7628	* 1.6505	* 1.6393	* 1.4097	* 1.4393	* 2.2160	* 3.6923	*
14	* 1.6979	* 1.7015	* 1.6886	* 1.5384	* .9999	* .6222	*	*
	* 1.3714	* 1.3698	* 1.3833	* 1.5150	* 2.3175	* 3.6944	*	*
15	* .9492	* .9373	* .8941	* .7581	* F-SUB-Q			
	* 2.4244	* 2.4562	* 2.5769	* 3.0334	* M-SUB-Q			

AT 75% POWER, 465 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2099	* 1.3536	* 1.2957	* 1.3492	* 1.6337	* 1.3158	* 1.6870	* .9621 *
	* 1.8121	* 1.6221	* 1.6919	* 1.6267	* 1.3469	* 1.6761	* 1.3116	* 2.2798 *
9	* 1.3536	* 1.6490	* 1.3112	* 1.6422	* 1.3892	* 1.4066	* 1.6900	* .9547 *
	* 1.6221	* 1.3361	* 1.6724	* 1.3410	* 1.5830	* 1.5688	* 1.3096	* 2.2975 *
10	* 1.2959	* 1.3110	* 1.4168	* 1.4508	* 1.6458	* 1.4226	* 1.6784	* .9154 *
	* 1.6917	* 1.6727	* 1.5528	* 1.5173	* 1.3419	* 1.5514	* 1.3181	* 2.3944 *
11	* 1.3492	* 1.6422	* 1.4500	* 1.6751	* 1.3757	* 1.6502	* 1.5249	* .8144 *
	* 1.6266	* 1.3410	* 1.5182	* 1.3187	* 1.6020	* 1.3378	* 1.4447	* 2.6817 *
12	* 1.6337	* 1.3890	* 1.6458	* 1.3755	* 1.3743	* 1.6146	* 1.0285	*
	* 1.3469	* 1.5831	* 1.3419	* 1.6024	* 1.6019	* 1.3660	* 2.1297	*
13	* 1.3158	* 1.4071	* 1.4223	* 1.6503	* 1.6145	* 1.0732	* .6397	*
	* 1.6761	* 1.5682	* 1.5517	* 1.3377	* 1.3661	* 2.0434	* 3.4014	*
14	* 1.6870	* 1.6908	* 1.6784	* 1.5244	* 1.0278	* .6393	*	*
	* 1.3115	* 1.3090	* 1.3182	* 1.4456	* 2.1312	* 3.4035	*	*
15	* .9635	* .9583	* .9156	* .7761	* F-SUB-Q			
	* 2.2765	* 2.2891	* 2.3941	* 2.8139	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2096	* 1.3641	* 1.3027	* 1.3562	* 1.6443	* 1.3175	* 1.6966	* .9500 *
	* 1.7303	* 1.5389	* 1.6097	* 1.5472	* 1.2783	* 1.5978	* 1.2452	* 2.2078 *
9	* 1.3641	* 1.6624	* 1.3183	* 1.6531	* 1.3968	* 1.4132	* 1.7003	* .9369 *
	* 1.5389	* 1.2662	* 1.5907	* 1.2724	* 1.5046	* 1.4917	* 1.2427	* 2.2392 *
10	* 1.3028	* 1.3181	* 1.4042	* 1.4613	* 1.6567	* 1.4318	* 1.6896	* .8977 *
	* 1.6096	* 1.5909	* 1.4974	* 1.4391	* 1.2728	* 1.4720	* 1.2499	* 2.3351 *
11	* 1.3562	* 1.6531	* 1.4605	* 1.6870	* 1.3784	* 1.6620	* 1.5340	* .7987 *
	* 1.5471	* 1.2724	* 1.4399	* 1.2499	* 1.5264	* 1.2677	* 1.3699	* 2.6155 *
12	* 1.6443	* 1.3967	* 1.6567	* 1.3781	* 1.3775	* 1.6279	* 1.0060 *	
	* 1.2783	* 1.5048	* 1.2728	* 1.5268	* 1.5267	* 1.2927	* 2.0805 *	
13	* 1.3175	* 1.4138	* 1.4314	* 1.6620	* 1.6278	* 1.0592	* .6276 *	
	* 1.5978	* 1.4911	* 1.4724	* 1.2677	* 1.2928	* 1.9783	* 3.3183 *	
14	* 1.6966	* 1.7011	* 1.6894	* 1.5329	* 1.0052	* .6272 *		
	* 1.2452	* 1.2422	* 1.2501	* 1.3709	* 2.0822	* 3.3205 *		
15	* .9513	* .9404	* .8977	* .7615	* F-SUB-Q			
	* 2.2048	* 2.2310	* 2.3352	* 2.7433	* M-SUB-Q			

AT 75% POWER, 465 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1742	* 1.3252	* 1.2635	* 1.3128	* 1.5754	* 1.2729	* 1.6189	* .9125 *
	* 1.7208	* 1.5282	* 1.6020	* 1.5421	* 1.2861	* 1.5953	* 1.2575	* 2.2195 *
9	* 1.3252	* 1.5920	* 1.2783	* 1.5814	* 1.3508	* 1.3670	* 1.6232	* .8985 *
	* 1.5282	* 1.2744	* 1.5828	* 1.2819	* 1.5005	* 1.4870	* 1.2544	* 2.2551 *
10	* 1.2637	* 1.2781	* 1.3627	* 1.4176	* 1.5842	* 1.3842	* 1.6138	* .8631 *
	* 1.6018	* 1.5830	* 1.4871	* 1.4304	* 1.2820	* 1.4680	* 1.2609	* 2.3461 *
11	* 1.3129	* 1.5814	* 1.4169	* 1.6156	* 1.3361	* 1.5915	* 1.4724	* .7698 *
	* 1.5420	* 1.2819	* 1.4311	* 1.2571	* 1.5184	* 1.2753	* 1.3756	* 2.6224 *
12	* 1.5754	* 1.3507	* 1.5842	* 1.3359	* 1.3354	* 1.5599	* .9654 *	
	* 1.2861	* 1.5006	* 1.2820	* 1.5188	* 1.5183	* 1.2999	* 2.0921 *	
13	* 1.2729	* 1.3674	* 1.3836	* 1.5915	* 1.5597	* 1.0269	* .6047 *	
	* 1.5953	* 1.4866	* 1.4686	* 1.2753	* 1.3002	* 1.9694	* 3.3307 *	
14	* 1.6189	* 1.6239	* 1.6134	* 1.4709	* .9645	* .6043 *		
	* 1.2575	* 1.2538	* 1.2613	* 1.3771	* 2.0943	* 3.3333 *		
15	* .9137	* .9017	* .8629	* .7319	* F-SUB-Q			
	* 2.2167	* 2.2471	* 2.3468	* 2.7584	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0359	* 1.1688	* 1.1035	* 1.1395	* 1.3476	* 1.1087	* 1.3742	* .7860
	* 1.8957	* 1.6827	* 1.7819	* 1.7253	* 1.4586	* 1.7786	* 1.4365	* 2.5071
9	* 1.1688	* 1.3718	* 1.1119	* 1.3597	* 1.1674	* 1.1981	* 1.3780	* .7814
	* 1.6827	* 1.4340	* 1.7672	* 1.4462	* 1.6860	* 1.6469	* 1.4327	* 2.5219
10	* 1.1036	* 1.1117	* 1.2075	* 1.2482	* 1.3724	* 1.2095	* 1.3700	* .7427
	* 1.7816	* 1.7675	* 1.6290	* 1.5770	* 1.4350	* 1.6295	* 1.4402	* 2.6528
11	* 1.1396	* 1.3597	* 1.2478	* 1.3875	* 1.1743	* 1.3589	* 1.2618	* .6693
	* 1.7252	* 1.4462	* 1.5776	* 1.4189	* 1.6769	* 1.4487	* 1.5588	* 2.9375
12	* 1.3476	* 1.1672	* 1.3724	* 1.1740	* 1.1799	* 1.3322	* .8267	*
	* 1.4586	* 1.6861	* 1.4350	* 1.6772	* 1.6684	* 1.4774	* 2.3760	*
13	* 1.1087	* 1.1983	* 1.2089	* 1.3588	* 1.3318	* .8966	* .5220	*
	* 1.7786	* 1.6466	* 1.6304	* 1.4489	* 1.4778	* 2.1936	* 3.7620	*
14	* 1.3742	* 1.3785	* 1.3694	* 1.2599	* .8256	* .5216	*	*
	* 1.4365	* 1.4322	* 1.4409	* 1.5612	* 2.3793	* 3.7650	*	*
15	* .7868	* .7833	* .7424	* .6325	* F-SUB-Q			
	* 2.5044	* 2.5160	* 2.6543	* 3.1081	* M-SUB-Q			

AT 75% POWER, 465 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .5587	* .5887	* .5559	* .5862	* .6843	* .5786	* .6570	* .4148
	* 3.4291	* 3.2553	* 3.4476	* 3.2670	* 2.7988	* 3.3223	* 2.9261	* 4.6416
9	* .5887	* .6707	* .5740	* .6948	* .5971	* .5991	* .6587	* .3990
	* 3.2553	* 2.8565	* 3.3361	* 2.7562	* 3.2101	* 3.2080	* 2.9186	* 4.8248
10	* .5559	* .5740	* .6135	* .6447	* .7072	* .6045	* .6544	* .3808
	* 3.4474	* 3.3365	* 3.1235	* 2.9713	* 2.7101	* 3.1748	* 2.9363	* 5.0539
11	* .5862	* .6948	* .6445	* .7099	* .6120	* .6868	* .6267	* .3418
	* 3.2669	* 2.7562	* 2.9720	* 2.6984	* 3.1317	* 2.7920	* 3.0608	* 5.6257
12	* .6843	* .5971	* .7072	* .6119	* .5954	* .6400	* .4321	*
	* 2.7988	* 3.2104	* 2.7102	* 3.1321	* 3.2206	* 2.9965	* 4.4387	*
13	* .5786	* .5991	* .6043	* .6867	* .6397	* .4620	* .2770	*
	* 3.3223	* 3.2078	* 3.1756	* 2.7928	* 2.9975	* 4.1543	* 6.9399	*
14	* .6570	* .6589	* .6539	* .6255	* .4315	* .2767	*	*
	* 2.9261	* 2.9177	* 2.9385	* 3.0670	* 4.4458	* 6.9476	*	*
15	* .4152	* .4001	* .3806	* .3242	* F-SUB-Q			
	* 4.6365	* 4.8120	* 5.0576	* 5.9305	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .3888 *	* .5069 *	* .4963 *	* .5233 *	* .5910 *	* .4985 *	* .4951 *	* .2898 *
	* 4.6961 *	* 4.6990 *	* 4.9268 *	* 4.6322 *	* 4.0930 *	* 4.8685 *	* 4.9451 *	* 8.3900 *
9	* .5069 *	* .5677 *	* .5151 *	* .5881 *	* .5175 *	* .4875 *	* .4934 *	* .2753 *
	* 4.6991 *	* 4.2678 *	* 4.7902 *	* 4.1299 *	* 4.6842 *	* 4.9730 *	* 4.9586 *	* 8.8271 *
10	* .4963 *	* .5151 *	* .5272 *	* .5321 *	* .5494 *	* .4712 *	* .4682 *	* .2568 *
	* 4.9267 *	* 4.7902 *	* 4.6781 *	* 4.6340 *	* 4.3979 *	* 5.1044 *	* 5.1213 *	* 9.3269 *
11	* .5233 *	* .5882 *	* .5318 *	* .5511 *	* .4675 *	* .4654 *	* .4154 *	* .2120 *
	* 4.6325 *	* 4.1289 *	* 4.6362 *	* 4.4443 *	* 5.0899 *	* 4.8764 *	* 5.7311 *	* 11.1575 *
12	* .5910 *	* .5175 *	* .5490 *	* .4671 *	* .3431 *	* .3506 *	* .2653 *	
	* 4.0930 *	* 4.6837 *	* 4.4014 *	* 5.0938 *	* 5.3190 *	* 5.3130 *	* 7.9443 *	
13	* .4985 *	* .4872 *	* .4704 *	* .4640 *	* .3493 *	* .2249 *	* .1369 *	
	* 4.8686 *	* 4.9762 *	* 5.1136 *	* 4.8884 *	* 5.3261 *	* 7.1326 *	* 13.6367 *	
14	* .4951 *	* .4929 *	* .4664 *	* .4129 *	* .2636 *	* .1364 *		
	* 4.9451 *	* 4.9633 *	* 5.1418 *	* 5.7661 *	* 7.9862 *	* 13.6692 *		
15	* .2900 *	* .2753 *	* .2556 *	* .2018 *	F-SUB-Q			
	* 8.3859 *	* 8.8270 *	* 9.3724 *	* 11.7260 *	M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8634 *	* 1.1499 *	* 1.1767 *	* 1.1965 *	* 1.3867 *	* 1.1382 *	* 1.2545 *	* .6335 *
	* 2.2412 *	* 2.0526 *	* 2.1495 *	* 2.0981 *	* 1.8065 *	* 2.2024 *	* 2.0215 *	* 3.9731 *
9	* 1.1499 *	* 1.3579 *	* 1.1884 *	* 1.3318 *	* 1.1865 *	* 1.1584 *	* 1.2534 *	* .6430 *
	* 2.0526 *	* 1.8423 *	* 2.1352 *	* 1.8900 *	* 2.1114 *	* 2.1634 *	* 2.0052 *	* 3.8967 *
10	* 1.1767 *	* 1.1881 *	* 1.2514 *	* 1.2261 *	* 1.1985 *	* 1.1087 *	* 1.1949 *	* .6011 *
	* 2.1495 *	* 2.1357 *	* 2.0385 *	* 2.0621 *	* 2.0856 *	* 2.2468 *	* 2.0757 *	* 4.1122 *
11	* 1.1964 *	* 1.3317 *	* 1.2258 *	* 1.2288 *	* 1.0512 *	* 1.1168 *	* 1.0123 *	* .5305 *
	* 2.0982 *	* 1.8896 *	* 2.0627 *	* 2.0479 *	* 2.3327 *	* 2.0965 *	* 2.4007 *	* 4.6156 *
12	* 1.3867 *	* 1.1863 *	* 1.1975 *	* 1.0504 *	* .7960 *	* .8994 *	* .6388 *	
	* 1.8065 *	* 2.1116 *	* 2.0874 *	* 2.3343 *	* 2.2913 *	* 2.1210 *	* 3.4088 *	
13	* 1.1382 *	* 1.1578 *	* 1.1068 *	* 1.1136 *	* .8961 *	* .5420 *	* .3216 *	
	* 2.2024 *	* 2.1646 *	* 2.2511 *	* 2.1012 *	* 2.1253 *	* 3.0700 *	* 6.0034 *	
14	* 1.2545 *	* 1.2524 *	* 1.1905 *	* 1.0054 *	* .6349 *	* .3206 *		
	* 2.0215 *	* 2.0069 *	* 2.0838 *	* 2.4154 *	* 3.4258 *	* 6.0171 *		
15	* .6341 *	* .6448 *	* .5985 *	* .4926 *	F-SUB-Q			
	* 3.9697 *	* 3.8948 *	* 4.1313 *	* 4.9716 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0492	* 1.3836	* 1.4454	* 1.4265	* 1.4015	* 1.3446	* 1.3547	* .7264
	* 1.9101	* 1.7648	* 1.7960	* 1.8136	* 1.8351	* 1.9111	* 1.8962	* 3.5077
9	* 1.3836	* 1.4518	* 1.4438	* 1.4217	* 1.4222	* 1.4023	* 1.3612	* .7384
	* 1.7648	* 1.7889	* 1.7959	* 1.8161	* 1.8100	* 1.8318	* 1.8836	* 3.4492
10	* 1.4455	* 1.4438	* 1.5086	* 1.4635	* 1.3943	* 1.3460	* 1.3185	* .6994
	* 1.7960	* 1.7960	* 1.7151	* 1.7652	* 1.8461	* 1.9061	* 1.9354	* 3.6212
11	* 1.4264	* 1.4216	* 1.4632	* 1.3719	* 1.2253	* 1.1626	* 1.2458	* .6438
	* 1.8137	* 1.8163	* 1.7656	* 1.8813	* 2.0503	* 2.0978	* 2.0067	* 3.9093
12	* 1.4015	* 1.4220	* 1.3936	* 1.2244	* .9426	* 1.0563		* .7779
	* 1.8351	* 1.8103	* 1.8471	* 2.0520	* 1.9622	* 1.8814		* 2.8815
13	* 1.3446	* 1.4016	* 1.3444	* 1.1580	* 1.0533	* .6681	* .4023	
	* 1.9111	* 1.8327	* 1.9095	* 2.1008	* 1.8828	* 2.5913	* 4.9530	
14	* 1.3547	* 1.3604	* 1.3152	* 1.2375	* .7735	* .4010		
	* 1.8962	* 1.8849	* 1.9405	* 2.0181	* 2.8947	* 4.9648		
15	* .7273	* .7407	* .6967	* .6032	F-SUB-Q			
	* 3.5037	* 3.4387	* 3.6362	* 4.1734	M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1401	* 1.5138	* 1.5851	* 1.5512	* 1.5239	* 1.4578	* 1.4895	* .7598
	* 1.8138	* 1.6658	* 1.6928	* 1.7232	* 1.7452	* 1.8187	* 1.7762	* 3.4512
9	* 1.5138	* 1.6086	* 1.5737	* 1.5641	* 1.5414	* 1.5299	* 1.4976	* .7654
	* 1.6658	* 1.6719	* 1.7004	* 1.7055	* 1.7264	* 1.7327	* 1.7646	* 3.4274
10	* 1.5852	* 1.5738	* 1.6567	* 1.5983	* 1.5387	* 1.4697	* 1.4560	* .7274
	* 1.6927	* 1.7003	* 1.6099	* 1.6652	* 1.7294	* 1.7996	* 1.8108	* 3.5977
11	* 1.5512	* 1.5644	* 1.5978	* 1.5127	* 1.3154	* 1.2958	* 1.4045	* .6859
	* 1.7233	* 1.7057	* 1.6658	* 1.7623	* 1.9624	* 1.9557	* 1.8457	* 3.7979
12	* 1.5239	* 1.5411	* 1.5379	* 1.3144	* 1.0318	* 1.1831		* .8362
	* 1.7452	* 1.7268	* 1.7303	* 1.9639	* 1.8483	* 1.7353		* 2.7864
13	* 1.4578	* 1.5293	* 1.4673	* 1.2897	* 1.1801	* .7269	* .4335	
	* 1.8187	* 1.7335	* 1.8027	* 1.9581	* 1.7364	* 2.4945	* 4.7899	
14	* 1.4895	* 1.4969	* 1.4524	* 1.3958	* .8318	* .4322		
	* 1.7762	* 1.7656	* 1.8156	* 1.8561	* 2.7984	* 4.8009		
15	* .7608	* .7679	* .7249	* .6412	F-SUB-Q			
	* 3.4468	* 3.4162	* 3.6110	* 4.0645	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1834	* 1.5625	* 1.6354	* 1.5976	* 1.5855	* 1.4993	* 1.5494	* .7773 *
	* 1.8459	* 1.6897	* 1.7143	* 1.7485	* 1.7529	* 1.8458	* 1.7809	* 3.5198 *
9	* 1.5625	* 1.6741	* 1.6230	* 1.6275	* 1.5904	* 1.5745	* 1.5592	* .7848 *
	* 1.6897	* 1.6782	* 1.7225	* 1.7126	* 1.7486	* 1.7578	* 1.7682	* 3.4888 *
10	* 1.6355	* 1.6229	* 1.7120	* 1.6545	* 1.6032	* 1.5169	* 1.5221	* .7487 *
	* 1.7142	* 1.7226	* 1.6276	* 1.6814	* 1.7354	* 1.8224	* 1.8097	* 3.6548 *
11	* 1.5976	* 1.6273	* 1.6539	* 1.5753	* 1.3656	* 1.3657	* 1.4840	* .7121 *
	* 1.7485	* 1.7128	* 1.6821	* 1.7697	* 1.9911	* 1.9495	* 1.8310	* 3.8287 *
12	* 1.5855	* 1.5901	* 1.6023	* 1.3646	* 1.0751	* 1.2524	* .8770 *	
	* 1.7529	* 1.7491	* 1.7364	* 1.9927	* 1.8590	* 1.7282	* 2.7960 *	
13	* 1.4993	* 1.5739	* 1.5146	* 1.3597	* 1.2494	* .7627	* .4518 *	
	* 1.8458	* 1.7585	* 1.8254	* 1.9518	* 1.7293	* 2.5134	* 4.8531 *	
14	* 1.5494	* 1.5586	* 1.5186	* 1.4755	* .8726	* .4505 *		
	* 1.7808	* 1.7690	* 1.8142	* 1.8407	* 2.8072	* 4.8637 *		
15	* .7783	* .7876	* .7463	* .6670	* F-SUB-Q			
	* 3.5152	* 3.4766	* 3.6669	* 4.0930	* M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2085	* 1.5834	* 1.6568	* 1.6173	* 1.6136	* 1.5168	* 1.5769	* .7883 *
	* 1.9228	* 1.7561	* 1.7932	* 1.8302	* 1.8241	* 1.9301	* 1.8495	* 3.6702 *
9	* 1.5834	* 1.7020	* 1.6438	* 1.6564	* 1.6131	* 1.5901	* 1.5886	* .7990 *
	* 1.7561	* 1.7468	* 1.8027	* 1.7839	* 1.8262	* 1.8416	* 1.8352	* 3.6243 *
10	* 1.6569	* 1.6436	* 1.7367	* 1.6819	* 1.6341	* 1.5452	* 1.5565	* .7648 *
	* 1.7930	* 1.8029	* 1.7010	* 1.7544	* 1.8050	* 1.8982	* 1.8744	* 3.7906 *
11	* 1.6173	* 1.6561	* 1.6812	* 1.6055	* 1.3973	* 1.4063	* 1.5307	* .7323 *
	* 1.8302	* 1.7842	* 1.7552	* 1.8423	* 2.0671	* 2.0187	* 1.8770	* 3.9576 *
12	* 1.6136	* 1.6126	* 1.6332	* 1.3963	* 1.1030	* 1.2956	* .9090 *	
	* 1.8241	* 1.8268	* 1.8060	* 2.0688	* 1.9383	* 1.7902	* 2.8806 *	
13	* 1.5168	* 1.5896	* 1.5435	* 1.4004	* 1.2926	* .7910	* .4669 *	
	* 1.9301	* 1.8423	* 1.9022	* 2.0212	* 1.7914	* 2.6048	* 5.0478 *	
14	* 1.5769	* 1.5877	* 1.5531	* 1.5224	* .9048	* .4656 *		
	* 1.8495	* 1.8362	* 1.8787	* 1.8866	* 2.8919	* 5.0586 *		
15	* .7892	* .8020	* .7626	* .6872	* F-SUB-Q			
	* 3.6656	* 3.6111	* 3.8021	* 4.2159	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2272	* 1.6145	* 1.6847	* 1.6427	* 1.6467	* 1.5390	* 1.6125	* .7961
	* 2.0067	* 1.8260	* 1.8989	* 1.9387	* 1.9205	* 2.0411	* 1.9386	* 3.8949
9	* 1.6145	* 1.7404	* 1.6701	* 1.6934	* 1.6408	* 1.6148	* 1.6260	* .8028
	* 1.8260	* 1.8083	* 1.9109	* 1.8791	* 1.9298	* 1.9420	* 1.9233	* 3.8672
10	* 1.6849	* 1.6698	* 1.7698	* 1.7175	* 1.6728	* 1.5726	* 1.5990	* .7701
	* 1.8987	* 1.9113	* 1.7984	* 1.8521	* 1.8983	* 1.9969	* 1.9614	* 4.0446
11	* 1.6427	* 1.6930	* 1.7167	* 1.6450	* 1.4231	* 1.4548	* 1.5864	* .7413
	* 1.9387	* 1.8796	* 1.8530	* 1.9391	* 2.1480	* 2.0967	* 1.9224	* 4.2176
12	* 1.6467	* 1.6402	* 1.6718	* 1.4220	* 1.1332	* 1.3514		* .9290
	* 1.9205	* 1.9306	* 1.8995	* 2.1499	* 2.0254	* 1.8601		* 3.0413
13	* 1.5390	* 1.6143	* 1.5703	* 1.4490	* 1.3484	* .8155	* .4777	
	* 2.0411	* 1.9427	* 2.0009	* 2.0993	* 1.8616	* 2.7580	* 5.3806	
14	* 1.6125	* 1.6251	* 1.5957	* 1.5782	* .9249	* .4765		
	* 1.9386	* 1.9244	* 1.9657	* 1.9320	* 3.0531	* 5.3918		
15	* .7971	* .8058	* .7681	* .6951	F-SUB-Q			
	* 3.8899	* 3.8529	* 4.0558	* 4.4999	M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2609	* 1.6449	* 1.7040	* 1.6578	* 1.6641	* 1.5508	* 1.6316	* .8012
	* 2.1391	* 1.9450	* 2.0316	* 2.1009	* 2.0726	* 2.2053	* 2.0825	* 4.2030
9	* 1.6449	* 1.7671	* 1.6876	* 1.7167	* 1.6567	* 1.6279	* 1.6477	* .8077
	* 1.9450	* 1.9216	* 2.0717	* 2.0295	* 2.0862	* 2.0922	* 2.0657	* 4.1766
10	* 1.7042	* 1.6871	* 1.7931	* 1.7441	* 1.6986	* 1.5967	* 1.6271	* .7773
	* 2.0314	* 2.0723	* 1.9464	* 1.9901	* 2.0461	* 2.1495	* 2.1012	* 4.3582
11	* 1.6578	* 1.7162	* 1.7432	* 1.6740	* 1.4538	* 1.4941	* 1.6321	* .7533
	* 2.1009	* 2.0301	* 1.9912	* 2.0679	* 2.2799	* 2.2082	* 2.0237	* 4.5076
12	* 1.6641	* 1.6561	* 1.6976	* 1.4526	* 1.1768	* 1.4152		* .9593
	* 2.0726	* 2.0871	* 2.0475	* 2.2820	* 2.1433	* 1.9640		* 3.2130
13	* 1.5508	* 1.6274	* 1.5938	* 1.4884	* 1.4122	* .8594	* .4969	
	* 2.2053	* 2.0929	* 2.1536	* 2.2110	* 1.9656	* 2.9354	* 5.7402	
14	* 1.6316	* 1.6468	* 1.6239	* 1.6239	* .9552	* .4957		
	* 2.0825	* 2.0668	* 2.1090	* 2.0334	* 3.2250	* 5.7521		
15	* .8023	* .8107	* .7753	* .7067	F-SUB-Q			
	* 4.1973	* 4.1608	* 4.3702	* 4.8059	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.3467	* 1.6973	* 1.7329	* 1.6779	* 1.6858	* 1.5646	* 1.6540	* .8058
	* 2.3355	* 2.1141	* 2.1793	* 2.2693	* 2.2145	* 2.3522	* 2.2047	* 4.4562

9	* 1.6973	* 1.8051	* 1.7109	* 1.7468	* 1.6791	* 1.6482	* 1.6731	* .8113
	* 2.1141	* 2.0789	* 2.2417	* 2.1842	* 2.2350	* 2.2243	* 2.1878	* 4.4424

10	* 1.7331	* 1.7104	* 1.8238	* 1.7785	* 1.7308	* 1.6254	* 1.6599	* .7819
	* 2.1791	* 2.2424	* 2.0932	* 2.1344	* 2.1924	* 2.2887	* 2.2302	* 4.6539

11	* 1.6779	* 1.7462	* 1.7775	* 1.7123	* 1.4918	* 1.5429	* 1.6868	* .7629
	* 2.2693	* 2.1849	* 2.1357	* 2.2109	* 2.4654	* 2.3700	* 2.1603	* 4.8528

12	* 1.6858	* 1.6781	* 1.7297	* 1.4906	* 1.2760	* 1.5224	* .9946	*
	* 2.2145	* 2.2360	* 2.1939	* 2.4676	* 2.3194	* 2.1100	* 3.4885	*

13	* 1.5646	* 1.6468	* 1.6225	* 1.5370	* 1.5194	* .9428	* .5228	*
	* 2.3522	* 2.2250	* 2.2931	* 2.3757	* 2.1118	* 3.1853	* 6.2364	*

14	* 1.6541	* 1.6723	* 1.6567	* 1.6787	* .9906	* .5216	*	*
	* 2.2047	* 2.1889	* 2.2348	* 2.1706	* 3.5011	* 6.2488	*	*

15	* .8070	* .8132	* .7796	* .7178	F-SUB-Q			
	* 4.4500	* 4.4303	* 4.6656	* 5.1582	M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.5122	* 1.7311	* 1.7457	* 1.6708	* 1.6709	* 1.5530	* 1.6375	* .8074
	* 2.5903	* 2.3381	* 2.4177	* 2.4959	* 2.4216	* 2.5607	* 2.4028	* 4.7834

9	* 1.7311	* 1.8064	* 1.7083	* 1.7386	* 1.6734	* 1.6425	* 1.6628	* .8176
	* 2.3381	* 2.3037	* 2.4694	* 2.4075	* 2.4378	* 2.4169	* 2.3805	* 4.7324

10	* 1.7458	* 1.7077	* 1.8243	* 1.7830	* 1.7241	* 1.6265	* 1.6621	* .7938
	* 2.4175	* 2.4703	* 2.3156	* 2.3692	* 2.4101	* 2.4798	* 2.4199	* 4.9232

11	* 1.6708	* 1.7380	* 1.7819	* 1.7153	* 1.5298	* 1.5599	* 1.7043	* .7816
	* 2.4959	* 2.4083	* 2.3706	* 2.4569	* 2.7074	* 2.6122	* 2.3821	* 5.1167

12	* 1.6709	* 1.6724	* 1.7230	* 1.5286	* 1.4456	* 1.6299	* 1.0483	*
	* 2.4216	* 2.4390	* 2.4118	* 2.7094	* 2.5876	* 2.3598	* 3.7828	*

13	* 1.5530	* 1.6411	* 1.6237	* 1.5542	* 1.6270	* 1.0636	* .5610	*
	* 2.5607	* 2.4176	* 2.4846	* 2.6216	* 2.3619	* 3.4881	* 6.8002	*

14	* 1.6375	* 1.6609	* 1.6555	* 1.6964	* 1.0443	* .5597	*	*
	* 2.4028	* 2.3817	* 2.4249	* 2.3930	* 3.7965	* 6.8136	*	*

15	* .8084	* .8208	* .7919	* .7361	F-SUB-Q			
	* 4.7772	* 4.7143	* 4.9354	* 5.4370	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6403	* 1.8265	* 1.7874	* 1.6932	* 1.6973	* 1.5682	* 1.6667	* .8079 *
	* 2.8700	* 2.5855	* 2.6289	* 2.6619	* 2.5641	* 2.7218	* 2.5238	* 5.0850 *
9	* 1.8265	* 1.8697	* 1.7389	* 1.7751	* 1.6987	* 1.6684	* 1.6977	* .8130 *
	* 2.5855	* 2.5350	* 2.6462	* 2.5550	* 2.5934	* 2.5587	* 2.5056	* 5.0843 *
10	* 1.7876	* 1.7383	* 1.8585	* 1.8213	* 1.7630	* 1.6575	* 1.7148	* .7906 *
	* 2.6286	* 2.6472	* 2.4746	* 2.5357	* 2.5508	* 2.6363	* 2.5553	* 5.3298 *
11	* 1.6932	* 1.7744	* 1.8202	* 1.7601	* 1.5600	* 1.6148	* 1.7666	* .7809 *
	* 2.6618	* 2.5560	* 2.5373	* 2.6418	* 2.9942	* 2.8263	* 2.5705	* 5.5503 *
12	* 1.6973	* 1.6976	* 1.7618	* 1.5588	* 1.5913	* 1.7471	* 1.0695	*
	* 2.5641	* 2.5946	* 2.5526	* 2.9970	* 2.8318	* 2.5644	* 4.2347	*
13	* 1.5682	* 1.6670	* 1.6547	* 1.6091	* 1.7442	* 1.1367	* .5788	*
	* 2.7218	* 2.5592	* 2.6411	* 2.8376	* 2.5673	* 3.8950	* 7.6244	*
14	* 1.6667	* 1.6959	* 1.7082	* 1.7587	* 1.0656	* .5776	*	
	* 2.5238	* 2.5067	* 2.5602	* 2.5837	* 4.2494	* 7.6391	*	
15	* .8090	* .8149	* .7873	* .7327	* F-SUB-Q			
	* 5.0777	* 5.0684	* 5.3419	* 5.9197	* M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6693	* 1.8535	* 1.7955	* 1.6906	* 1.6945	* 1.5622	* 1.6650	* .8051 *
	* 2.9496	* 2.6540	* 2.7433	* 2.8906	* 2.7714	* 2.9410	* 2.7119	* 5.4553 *
9	* 1.8535	* 1.8932	* 1.7422	* 1.7781	* 1.6990	* 1.6688	* 1.7014	* .8102 *
	* 2.6540	* 2.5978	* 2.8270	* 2.7704	* 2.8062	* 2.7566	* 2.6927	* 5.4600 *
10	* 1.7957	* 1.7416	* 1.8623	* 1.8283	* 1.7683	* 1.6623	* 1.7322	* .7905 *
	* 2.7430	* 2.8280	* 2.6462	* 2.6935	* 2.7637	* 2.8412	* 2.7459	* 5.7218 *
11	* 1.6907	* 1.7774	* 1.8271	* 1.7693	* 1.5745	* 1.6344	* 1.7896	* .7850 *
	* 2.8905	* 2.7716	* 2.6952	* 2.7817	* 3.1246	* 3.0104	* 2.7488	* 5.9898 *
12	* 1.6945	* 1.6977	* 1.7671	* 1.5732	* 1.6360	* 1.7962	* 1.0896	*
	* 2.7714	* 2.8075	* 2.7658	* 3.1271	* 3.0017	* 2.7284	* 4.5009	*
13	* 1.5622	* 1.6674	* 1.6596	* 1.6288	* 1.7933	* 1.1755	* .5935	*
	* 2.9410	* 2.7571	* 2.8462	* 3.0208	* 2.7329	* 4.1628	* 8.2184	*
14	* 1.6650	* 1.6994	* 1.7257	* 1.7818	* 1.0857	* .5923	*	
	* 2.7119	* 2.6938	* 2.7510	* 2.7609	* 4.5167	* 8.2343	*	
15	* .8062	* .8122	* .7874	* .7370	* F-SUB-Q			
	* 5.4474	* 5.4395	* 5.7341	* 6.3833	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6561	* 1.8369	* 1.7741	* 1.6649	* 1.6649	* 1.5372	* 1.6358	* .7985
	* 2.9737	* 2.6756	* 2.7502	* 2.7943	* 2.7173	* 2.9088	* 2.7273	* 5.5069
9	* 1.8369	* 1.8711	* 1.7190	* 1.7497	* 1.6751	* 1.6469	* 1.6760	* .8053
	* 2.6756	* 2.6235	* 2.7707	* 2.6895	* 2.7523	* 2.7610	* 2.7124	* 5.4809
10	* 1.7743	* 1.7185	* 1.8385	* 1.8063	* 1.7396	* 1.6432	* 1.7158	* .7883
	* 2.7499	* 2.7720	* 2.6038	* 2.6723	* 2.7027	* 2.8578	* 2.7797	* 5.7695
11	* 1.6649	* 1.7489	* 1.8051	* 1.7455	* 1.5711	* 1.6208	* 1.7747	* .7892
	* 2.7942	* 2.6907	* 2.6741	* 2.7881	* 3.1244	* 3.0315	* 2.7686	* 6.0750
12	* 1.6649	* 1.6738	* 1.7384	* 1.5698	* 1.6345	* 1.7933	* 1.1044	*
	* 2.7173	* 2.7539	* 2.7048	* 3.1269	* 3.0250	* 2.7519	* 4.4579	*
13	* 1.5372	* 1.6455	* 1.6405	* 1.6154	* 1.7904	* 1.1960	* .6037	*
	* 2.9088	* 2.7614	* 2.8627	* 3.0418	* 2.7565	* 4.1355	* 8.1543	*
14	* 1.6358	* 1.6741	* 1.7095	* 1.7671	* 1.1006	* .6026	*	*
	* 2.7273	* 2.7128	* 2.7846	* 2.7806	* 4.4733	* 8.1700	*	*
15	* .7996	* .8085	* .7867	* .7438	F-SUB-Q			
	* 5.4992	* 5.4591	* 5.7808	* 6.4475	M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6528	* 1.8363	* 1.7703	* 1.6594	* 1.6665	* 1.5314	* 1.6430	* .7891
	* 2.9121	* 2.6087	* 2.6310	* 2.6749	* 2.5924	* 2.7885	* 2.5939	* 5.3219
9	* 1.8363	* 1.8790	* 1.7156	* 1.7548	* 1.6729	* 1.6468	* 1.6855	* .7923
	* 2.6087	* 2.5371	* 2.6528	* 2.5604	* 2.6342	* 2.6391	* 2.5809	* 5.3524
10	* 1.7705	* 1.7150	* 1.8377	* 1.8079	* 1.7469	* 1.6457	* 1.7312	* .7759
	* 2.6307	* 2.6541	* 2.4863	* 2.5494	* 2.5716	* 2.7300	* 2.6421	* 5.6426
11	* 1.6595	* 1.7539	* 1.8088	* 1.7527	* 1.5588	* 1.6360	* 1.7944	* .7735
	* 2.6748	* 2.5616	* 2.5482	* 2.6519	* 3.0297	* 2.8806	* 2.6302	* 5.9384
12	* 1.6665	* 1.6716	* 1.7456	* 1.5572	* 1.6436	* 1.8154	* 1.0860	*
	* 2.5924	* 2.6359	* 2.5737	* 3.0321	* 2.9179	* 2.6269	* 4.3384	*
13	* 1.5314	* 1.6455	* 1.6428	* 1.6306	* 1.8128	* 1.1834	* .5928	*
	* 2.7885	* 2.6395	* 2.7345	* 2.8897	* 2.6310	* 4.0238	* 7.9070	*
14	* 1.6430	* 1.6836	* 1.7250	* 1.7869	* 1.0823	* .5917	*	*
	* 2.5939	* 2.5812	* 2.6466	* 2.6407	* 4.3524	* 7.9213	*	*
15	* .7902	* .7944	* .7729	* .7275	F-SUB-Q			
	* 5.3141	* 5.3313	* 5.6530	* 6.3231	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6275	* 1.8099	* 1.7440	* 1.6338	* 1.6445	* 1.5081	* 1.6250	* .7764 *
	* 2.6615	* 2.3830	* 2.4525	* 2.5120	* 2.4269	* 2.6172	* 2.4216	* 4.9527 *
9	* 1.8099	* 1.8555	* 1.6900	* 1.7331	* 1.6501	* 1.6262	* 1.6689	* .7786 *
	* 2.3830	* 2.3170	* 2.4913	* 2.3962	* 2.4705	* 2.4727	* 2.4090	* 4.9868 *
10	* 1.7442	* 1.6893	* 1.8130	* 1.7872	* 1.7273	* 1.6270	* 1.7187	* .7628 *
	* 2.4522	* 2.4927	* 2.3349	* 2.3841	* 2.4023	* 2.5510	* 2.4601	* 5.2570 *
11	* 1.6339	* 1.7321	* 1.7858	* 1.7326	* 1.5384	* 1.6243	* 1.7837	* .7607 *
	* 2.5118	* 2.3974	* 2.3859	* 2.4555	* 2.7708	* 2.6198	* 2.3886	* 5.5137 *
12	* 1.6445	* 1.6487	* 1.7259	* 1.5368	* 1.6268	* 1.8042	* 1.0707	*
	* 2.4269	* 2.4720	* 2.4041	* 2.7736	* 2.6624	* 2.3889	* 3.9734	*
13	* 1.5081	* 1.6249	* 1.6241	* 1.6190	* 1.8019	* 1.1686	* .5832	*
	* 2.6172	* 2.4728	* 2.5549	* 2.6280	* 2.3927	* 3.6879	* 7.2798	*
14	* 1.6250	* 1.6671	* 1.7125	* 1.7763	* 1.0672	* .5821	*	*
	* 2.4216	* 2.4095	* 2.4640	* 2.3981	* 3.9862	* 7.2931	*	*
15	* .7776	* .7807	* .7600	* .7175	F-SUB-Q			
	* 4.9454	* 4.9708	* 5.2657	* 5.8448	M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5919	* 1.7717	* 1.7074	* 1.5988	* 1.6110	* 1.4765	* 1.5936	* .7618 *
	* 2.4577	* 2.1981	* 2.2407	* 2.2810	* 2.2051	* 2.3814	* 2.2022	* 4.5096 *
9	* 1.7717	* 1.8174	* 1.6539	* 1.6978	* 1.6164	* 1.5946	* 1.6378	* .7635 *
	* 2.1981	* 2.1358	* 2.2599	* 2.1726	* 2.2445	* 2.2475	* 2.1889	* 4.5427 *
10	* 1.7076	* 1.6532	* 1.7763	* 1.7520	* 1.6927	* 1.5965	* 1.6889	* .7482 *
	* 2.2404	* 2.2613	* 2.1144	* 2.1598	* 2.1790	* 2.3129	* 2.2307	* 4.7743 *
11	* 1.5989	* 1.6969	* 1.7506	* 1.6985	* 1.5071	* 1.5963	* 1.7536	* .7478 *
	* 2.2809	* 2.1738	* 2.1616	* 2.2426	* 2.5544	* 2.4100	* 2.1961	* 4.9893 *
12	* 1.6110	* 1.6150	* 1.6914	* 1.5055	* 1.5968	* 1.7741	* 1.0540	*
	* 2.2051	* 2.2460	* 2.1807	* 2.5566	* 2.4634	* 2.2076	* 3.6621	*
13	* 1.4765	* 1.5934	* 1.5937	* 1.5911	* 1.7717	* 1.1509	* .5737	*
	* 2.3814	* 2.2476	* 2.3165	* 2.4177	* 2.2112	* 3.4067	* 6.7440	*
14	* 1.5936	* 1.6361	* 1.6829	* 1.7464	* 1.0506	* .5727	*	*
	* 2.2022	* 2.1894	* 2.2342	* 2.2049	* 3.6739	* 6.7562	*	*
15	* .7630	* .7656	* .7455	* .7043	F-SUB-Q			
	* 4.5029	* 4.5253	* 4.7822	* 5.3064	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5432	* 1.7175	* 1.6558	* 1.5501	* 1.5604	* 1.4324	* 1.5440	* .7449 *
	* 2.3713	* 2.1219	* 2.1517	* 2.1934	* 2.1267	* 2.2956	* 2.1272	* 4.3260 *
9	* 1.7175	* 1.7586	* 1.6029	* 1.6440	* 1.5683	* 1.5483	* 1.5878	* .7477 *
	* 2.1219	* 2.0666	* 2.1694	* 2.0907	* 2.1601	* 2.1645	* 2.1117	* 4.3266 *
10	* 1.6560	* 1.6023	* 1.7234	* 1.6981	* 1.6399	* 1.5507	* 1.6393	* .7332 *
	* 2.1514	* 2.1708	* 2.0278	* 2.0726	* 2.0966	* 2.2203	* 2.1468	* 4.5314 *
11	* 1.5502	* 1.6430	* 1.6968	* 1.6455	* 1.4720	* 1.5493	* 1.7020	* .7381 *
	* 2.1932	* 2.0919	* 2.0742	* 2.1537	* 2.4459	* 2.3262	* 2.1189	* 4.7106 *
12	* 1.5604	* 1.5669	* 1.6385	* 1.4707	* 1.5505	* 1.7217	* 1.0421	*
	* 2.1267	* 2.1617	* 2.0983	* 2.4480	* 2.3769	* 2.1320	* 3.4727	*
13	* 1.4324	* 1.5471	* 1.5480	* 1.5443	* 1.7189	* 1.1349	* .5667	*
	* 2.2956	* 2.1646	* 2.2238	* 2.3336	* 2.1355	* 3.2455	* 6.4157	*
14	* 1.5440	* 1.5862	* 1.6335	* 1.6951	* 1.0387	* .5657	*	*
	* 2.1272	* 2.1122	* 2.1502	* 2.1274	* 3.4840	* 6.4275	*	*
15	* .7460	* .7506	* .7319	* .6963	F-SUB-Q			
	* 4.3196	* 4.3089	* 4.5387	* 4.9934	M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5157	* 1.6907	* 1.6286	* 1.5247	* 1.5428	* 1.4093	* 1.5317	* .7265 *
	* 2.1844	* 1.9502	* 1.9748	* 2.0171	* 1.9506	* 2.1176	* 1.9480	* 4.0380 *
9	* 1.6907	* 1.7399	* 1.5777	* 1.6273	* 1.5450	* 1.5269	* 1.5748	* .7259 *
	* 1.9502	* 1.8840	* 1.9925	* 1.9086	* 1.9870	* 1.9899	* 1.9326	* 4.0746 *
10	* 1.6288	* 1.5770	* 1.6988	* 1.6774	* 1.6247	* 1.5298	* 1.6254	* .7104 *
	* 1.9746	* 1.9938	* 1.8553	* 1.8915	* 1.9130	* 2.0349	* 1.9586	* 4.2765 *
11	* 1.5248	* 1.6263	* 1.6759	* 1.6289	* 1.4383	* 1.5358	* 1.6899	* .7091 *
	* 2.0169	* 1.9098	* 1.8931	* 1.9612	* 2.2577	* 2.1058	* 1.9142	* 4.4271 *
12	* 1.5428	* 1.5436	* 1.6233	* 1.4368	* 1.5278	* 1.7065	* 1.0010	*
	* 1.9506	* 1.9885	* 1.9146	* 2.2598	* 2.1787	* 1.9492	* 3.2728	*
13	* 1.4093	* 1.5257	* 1.5271	* 1.5309	* 1.7042	* 1.0949	* .5427	*
	* 2.1176	* 1.9899	* 2.0382	* 2.1127	* 1.9525	* 3.0394	* 6.0772	*
14	* 1.5317	* 1.5732	* 1.6197	* 1.6830	* .9977	* .5417	*	*
	* 1.9480	* 1.9331	* 1.9618	* 1.9221	* 3.2838	* 6.0884	*	*
15	* .7276	* .7279	* .7079	* .6691	F-SUB-Q			
	* 4.0319	* 4.0612	* 4.2837	* 4.6918	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4714	* 1.6429	* 1.5822	* 1.4809	* 1.4990	* 1.3697	* 1.4907	* .7064
	* 2.0204	* 1.8111	* 1.8518	* 1.8978	* 1.8402	* 1.9997	* 1.8384	* 3.8232
9	* 1.6429	* 1.6911	* 1.5328	* 1.5820	* 1.5012	* 1.4853	* 1.5322	* .7045
	* 1.8111	* 1.7586	* 1.8703	* 1.7918	* 1.8724	* 1.8755	* 1.8214	* 3.8602
10	* 1.5824	* 1.5321	* 1.6526	* 1.6319	* 1.5798	* 1.4876	* 1.5793	* .6887
	* 1.8516	* 1.8715	* 1.7366	* 1.7681	* 1.7958	* 1.9100	* 1.8401	* 4.0441
11	* 1.4810	* 1.5810	* 1.6304	* 1.5842	* 1.3965	* 1.4919	* 1.6421	* .6869
	* 1.8977	* 1.7928	* 1.7697	* 1.8331	* 2.1150	* 1.9767	* 1.7954	* 4.1646
12	* 1.4990	* 1.4998	* 1.5784	* 1.3950	* 1.4843	* 1.6578		* .9694
	* 1.8402	* 1.8742	* 1.7973	* 2.1174	* 2.0191	* 1.8095	* 3.0564	
13	* 1.3697	* 1.4842	* 1.4849	* 1.4870	* 1.6559	* 1.0622		* .5253
	* 1.9997	* 1.8756	* 1.9132	* 1.9833	* 1.8127	* 2.8339		* 5.6808
14	* 1.4907	* 1.5306	* 1.5737	* 1.6353	* .9662	* .5244		
	* 1.8384	* 1.8221	* 1.8433	* 1.8029	* 3.0667	* 5.6916		
15	* .7074	* .7065	* .6862	* .6480	F-SUB-Q			
	* 3.8175	* 3.8482	* 4.0512	* 4.4150	M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4080	* 1.5711	* 1.5137	* 1.4164	* 1.4247	* 1.3119	* 1.4171	* .6846
	* 1.9526	* 1.7536	* 1.7771	* 1.8348	* 1.7963	* 1.9393	* 1.7974	* 3.6750
9	* 1.5711	* 1.6071	* 1.4652	* 1.5035	* 1.4344	* 1.4215	* 1.4557	* .6842
	* 1.7536	* 1.7022	* 1.8020	* 1.7402	* 1.8116	* 1.8178	* 1.7780	* 3.6870
10	* 1.5138	* 1.4646	* 1.5817	* 1.5587	* 1.5002	* 1.4217	* 1.4954	* .6693
	* 1.7768	* 1.8031	* 1.6701	* 1.7014	* 1.7453	* 1.8437	* 1.7911	* 3.8348
11	* 1.4165	* 1.5026	* 1.5574	* 1.5071	* 1.3441	* 1.4122	* 1.5523	* .6708
	* 1.8347	* 1.7412	* 1.7028	* 1.7692	* 2.0079	* 1.9064	* 1.7328	* 3.9294
12	* 1.4247	* 1.4331	* 1.4989	* 1.3429	* 1.4178	* 1.5701		* .9457
	* 1.7963	* 1.8133	* 1.7468	* 2.0098	* 1.9466	* 1.7611		* 2.8981
13	* 1.3119	* 1.4205	* 1.4190	* 1.4074	* 1.5684	* 1.0352		* .5143
	* 1.9393	* 1.8199	* 1.8469	* 1.9131	* 1.7642	* 2.6727		* 5.3506
14	* 1.4171	* 1.4540	* 1.4899	* 1.5457	* .9425	* .5133		
	* 1.7974	* 1.7787	* 1.7945	* 1.7405	* 2.9082	* 5.3609		
15	* .6855	* .6871	* .6681	* .6325	F-SUB-Q			
	* 3.6700	* 3.6719	* 3.8421	* 4.1680	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3590	* 1.5178	* 1.4603	* 1.3690	* 1.3746	* 1.2704	* 1.3729	* .6615 *
	* 1.8628	* 1.6662	* 1.7115	* 1.7760	* 1.7477	* 1.8822	* 1.7447	* 3.5845 *
9	* 1.5178	* 1.5493	* 1.4150	* 1.4517	* 1.3869	* 1.3774	* 1.4071	* .6575 *
	* 1.6662	* 1.6318	* 1.7415	* 1.6837	* 1.7527	* 1.7588	* 1.7236	* 3.6239 *
10	* 1.4604	* 1.4144	* 1.5320	* 1.5093	* 1.4493	* 1.3754	* 1.4352	* .6386 *
	* 1.7113	* 1.7423	* 1.6065	* 1.6339	* 1.6871	* 1.7788	* 1.7347	* 3.7849 *
11	* 1.3690	* 1.4509	* 1.5081	* 1.4566	* 1.2922	* 1.3546	* 1.4884	* .6327 *
	* 1.7759	* 1.6846	* 1.6352	* 1.7006	* 1.9412	* 1.8450	* 1.6774	* 3.8862 *
12	* 1.3746	* 1.3856	* 1.4481	* 1.2908	* 1.3702	* 1.5078		* .8870 *
	* 1.7477	* 1.7543	* 1.6885	* 1.9434	* 1.8720	* 1.7056		* 2.8536 *
13	* 1.2704	* 1.3762	* 1.3730	* 1.3498	* 1.5061	* .9788	* .4831	*
	* 1.8822	* 1.7602	* 1.7820	* 1.8518	* 1.7087	* 2.6486	* 5.3261	*
14	* 1.3729	* 1.4054	* 1.4296	* 1.4817	* .8839	* .4822		*
	* 1.7447	* 1.7258	* 1.7380	* 1.6853	* 2.8642	* 5.3371		*
15	* .6625	* .6593	* .6360	* .5936	* F-SUB-Q			
	* 3.5793	* 3.6141	* 3.7930	* 4.1430	* M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2573	* 1.4057	* 1.3453	* 1.2732	* 1.2893	* 1.1878	* 1.2778	* .6349 *
	* 1.8903	* 1.6921	* 1.7488	* 1.8100	* 1.7205	* 1.9169	* 1.7851	* 3.5647 *
9	* 1.4057	* 1.4292	* 1.3111	* 1.3464	* 1.2933	* 1.2818	* 1.3058	* .6320 *
	* 1.6921	* 1.6640	* 1.7755	* 1.7188	* 1.7807	* 1.7938	* 1.7638	* 3.5964 *
10	* 1.3454	* 1.3106	* 1.4187	* 1.4036	* 1.3415	* 1.2796	* 1.3196	* .6085 *
	* 1.7487	* 1.7764	* 1.6401	* 1.6585	* 1.7257	* 1.8123	* 1.7745	* 3.7701 *
11	* 1.2732	* 1.3458	* 1.4026	* 1.3498	* 1.2134	* 1.2468	* 1.3566	* .5891 *
	* 1.8100	* 1.7197	* 1.6598	* 1.7307	* 1.9491	* 1.8508	* 1.7366	* 3.9549 *
12	* 1.2893	* 1.2922	* 1.3404	* 1.2121	* 1.2629	* 1.3824	* .8225	*
	* 1.7205	* 1.7822	* 1.7271	* 1.9513	* 1.8971	* 1.7358	* 2.8967	*
13	* 1.1878	* 1.2807	* 1.2770	* 1.2446	* 1.3799	* .9063	* .4441	*
	* 1.9169	* 1.7954	* 1.8158	* 1.8548	* 1.7390	* 2.6687	* 5.4309	*
14	* 1.2778	* 1.3041	* 1.3141	* 1.3501	* .8194	* .4432		*
	* 1.7851	* 1.7660	* 1.7781	* 1.7453	* 2.9080	* 5.4425		*
15	* .6357	* .6334	* .6069	* .5514	* F-SUB-Q			
	* 3.5601	* 3.5881	* 3.7793	* 4.2262	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0203	* 1.1621	* 1.0775	* 1.0556	* 1.2750	* .9950	* 1.1746	* .5553
	* 2.2239	* 1.9502	* 2.0859	* 2.0843	* 1.7205	* 2.2009	* 1.8660	* 3.9358
9	* 1.1621	* 1.3469	* 1.0694	* 1.2438	* 1.0614	* 1.0601	* 1.1911	* .5581
	* 1.9502	* 1.6773	* 2.0916	* 1.7801	* 2.0734	* 2.0863	* 1.8527	* 3.9301
10	* 1.0776	* 1.0691	* 1.1641	* 1.1750	* 1.1702	* 1.0640	* 1.1853	* .5320
	* 2.0856	* 2.0927	* 1.9164	* 1.8984	* 1.9035	* 2.1028	* 1.8756	* 4.1588
11	* 1.0556	* 1.2432	* 1.1741	* 1.2300	* 1.0402	* 1.2218	* 1.0946	* .4871
	* 2.0842	* 1.7810	* 1.8997	* 1.8198	* 2.1590	* 1.8508	* 2.0590	* 4.5993
12	* 1.2750	* 1.0607	* 1.1691	* 1.0393	* 1.0429	* 1.1893	* .6911	*
	* 1.7205	* 2.0748	* 1.9053	* 2.1610	* 2.1969	* 1.9299	* 3.3082	*
13	* .9950	* 1.0590	* 1.0609	* 1.2193	* 1.1872	* .7514	* .3616	*
	* 2.2009	* 2.0884	* 2.1075	* 1.8548	* 1.9334	* 3.0772	* 6.3907	*
14	* 1.1746	* 1.1897	* 1.1822	* 1.0894	* .6884	* .3609	*	*
	* 1.8660	* 1.8533	* 1.8808	* 2.0692	* 3.3218	* 6.4044	*	*
15	* .5559	* .5591	* .5302	* .4594	* F-SUB-Q			
	* 3.9315	* 3.9220	* 4.1702	* 4.8771	* M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .4560	* .4848	* .4456	* .4612	* .5330	* .4364	* .4580	* .2579
	* 4.7716	* 4.4793	* 4.8418	* 4.5984	* 3.9655	* 4.8454	* 4.6161	* 8.2111
9	* .4848	* .5515	* .4628	* .5380	* .4620	* .4369	* .4619	* .2459
	* 4.4794	* 3.9208	* 4.6565	* 3.9553	* 4.5937	* 4.8761	* 4.5948	* 8.6160
10	* .4456	* .4627	* .4847	* .5038	* .5261	* .4490	* .4585	* .2354
	* 4.8418	* 4.6574	* 4.4281	* 4.2606	* 4.0689	* 4.8090	* 4.6703	* 9.0758
11	* .4612	* .5378	* .5035	* .5449	* .4664	* .5036	* .4349	* .2086
	* 4.5985	* 3.9572	* 4.2626	* 3.9442	* 4.6274	* 4.3119	* 4.9797	* 10.3697
12	* .5330	* .4616	* .5257	* .4660	* .4340	* .4554	* .2990	*
	* 3.9655	* 4.5958	* 4.0726	* 4.6315	* 5.0461	* 4.8512	* 7.3647	*
13	* .4364	* .4364	* .4482	* .5025	* .4546	* .3190	* .1614	*
	* 4.8454	* 4.8781	* 4.8168	* 4.3215	* 4.8602	* 6.9799	* 13.8267	*
14	* .4580	* .4613	* .4573	* .4332	* .2978	* .1610	*	*
	* 4.6161	* 4.5966	* 4.6838	* 5.0008	* 7.3954	* 13.8616	*	*
15	* .2580	* .2467	* .2348	* .1973	* F-SUB-Q			
	* 8.2063	* 8.5908	* 9.1003	* 10.9659	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 75 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .3231 *	* .4228 *	* .4259 *	* .4599 *	* .5248 *	* .4432 *	* .4580 *	* .2708 *
	* 5.5856 *	* 5.5807 *	* 5.7488 *	* 5.2882 *	* 4.6237 *	* 5.4937 *	* 5.3578 *	* 9.0087 *
9	* .4228 *	* .4829 *	* .4426 *	* .5179 *	* .4564 *	* .4403 *	* .4564 *	* .2575 *
	* 5.5807 *	* 5.0471 *	* 5.5963 *	* 4.6984 *	* 5.3172 *	* 5.5215 *	* 5.3718 *	* 9.4677 *
10	* .4258 *	* .4425 *	* .4594 *	* .4655 *	* .4954 *	* .4264 *	* .4341 *	* .2407 *
	* 5.7495 *	* 5.5986 *	* 5.3777 *	* 5.2767 *	* 4.8873 *	* 5.6497 *	* 5.5355 *	* 9.9883 *
11	* .4598 *	* .5180 *	* .4654 *	* .4906 *	* .4138 *	* .4282 *	* .3876 *	* .1994 *
	* 5.2886 *	* 4.6977 *	* 5.2795 *	* 4.9568 *	* 5.6357 *	* 5.2694 *	* 6.1549 *	* 11.8934 *
12	* .5248 *	* .4564 *	* .4951 *	* .4135 *	* .3082 *	* .3251 *	* .2445 *	
	* 4.6237 *	* 5.3179 *	* 4.8909 *	* 5.6396 *	* 5.8040 *	* 5.7278 *	* 8.5995 *	
13	* .4432 *	* .4401 *	* .4257 *	* .4271 *	* .3239 *	* .2064 *	* .1275 *	
	* 5.4937 *	* 5.5247 *	* 5.6599 *	* 5.2812 *	* 5.7408 *	* 7.7469 *	* 14.6180 *	
14	* .4580 *	* .4561 *	* .4325 *	* .3855 *	* .2431 *	* .1271 *		
	* 5.3578 *	* 5.3762 *	* 5.5566 *	* 6.1899 *	* 8.6409 *	* 14.6502 *		
15	* .2709 *	* .2577 *	* .2397 *	* .1896 *	F-SUB-Q			
	* 9.0041 *	* 9.4662 *	* 10.0321 *	* 12.5159 *	M-SUB-Q			

AT 50% POWER, 75 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .7249 *	* .9762 *	* 1.0189 *	* 1.0688 *	* 1.2491 *	* 1.0256 *	* 1.1697 *	* .6055 *
	* 2.6602 *	* 2.4190 *	* 2.4855 *	* 2.3553 *	* 2.0109 *	* 2.4505 *	* 2.1731 *	* 4.1696 *
9	* .9762 *	* 1.1682 *	* 1.0338 *	* 1.1918 *	* 1.0703 *	* 1.0634 *	* 1.1681 *	* .6128 *
	* 2.4190 *	* 2.1511 *	* 2.4582 *	* 2.1126 *	* 2.3472 *	* 2.3656 *	* 2.1569 *	* 4.0989 *
10	* 1.0188 *	* 1.0336 *	* 1.0960 *	* 1.0866 *	* 1.1022 *	* 1.0197 *	* 1.1171 *	* .5733 *
	* 2.4855 *	* 2.4588 *	* 2.3299 *	* 2.3261 *	* 2.2728 *	* 2.4427 *	* 2.2256 *	* 4.3259 *
11	* 1.0687 *	* 1.1920 *	* 1.0862 *	* 1.1128 *	* .9434 *	* 1.0381 *	* .9515 *	* .5031 *
	* 2.3555 *	* 2.1123 *	* 2.3271 *	* 2.2566 *	* 2.5420 *	* 2.2440 *	* 2.5433 *	* 4.8793 *
12	* 1.2491 *	* 1.0702 *	* 1.1014 *	* .9427 *	* .7294 *	* .8382 *	* .5932 *	
	* 2.0109 *	* 2.3476 *	* 2.2746 *	* 2.5438 *	* 2.4890 *	* 2.2805 *	* 3.6654 *	
13	* 1.0256 *	* 1.0627 *	* 1.0174 *	* 1.0355 *	* .8355 *	* .4967 *	* .3026 *	
	* 2.4505 *	* 2.3671 *	* 2.4491 *	* 2.2485 *	* 2.2847 *	* 3.3313 *	* 6.3788 *	
14	* 1.1697 *	* 1.1674 *	* 1.1134 *	* .9457 *	* .5900 *	* .3017 *		
	* 2.1731 *	* 2.1584 *	* 2.2332 *	* 2.5574 *	* 3.6818 *	* 6.3922 *		
15	* .6060 *	* .6145 *	* .5711 *	* .4681 *	F-SUB-Q			
	* 4.1660 *	* 4.0963 *	* 4.3437 *	* 5.2452 *	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 75 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* .9006	* 1.2026	* 1.2781	* 1.3166	* 1.3924	* 1.2651	* 1.3252	* .7281 *
	* 2.2311	* 2.0328	* 2.0344	* 1.9641	* 1.8524	* 2.0362	* 1.9435	* 3.5129 *

9	* 1.2026	* 1.3145	* 1.2880	* 1.3347	* 1.3324	* 1.3153	* 1.3297	* .7385 *
	* 2.0328	* 1.9838	* 2.0168	* 1.9373	* 1.9372	* 1.9543	* 1.9323	* 3.4614 *

10	* 1.2781	* 1.2880	* 1.3529	* 1.3292	* 1.3219	* 1.2675	* 1.2857	* .6984 *
	* 2.0343	* 2.0168	* 1.9163	* 1.9438	* 1.9515	* 2.0174	* 1.9909	* 3.6393 *

11	* 1.3165	* 1.3345	* 1.3289	* 1.2819	* 1.1489	* 1.1596	* 1.2119	* .6284 *
	* 1.9642	* 1.9376	* 1.9444	* 2.0172	* 2.1467	* 2.0623	* 2.0537	* 4.0147 *

12	* 1.3924	* 1.3323	* 1.3213	* 1.1482	* .8984	* 1.0338	* .7500 *	
	* 1.8524	* 1.9376	* 1.9525	* 2.1483	* 2.0672	* 1.9387	* 2.9903 *	

13	* 1.2651	* 1.3146	* 1.2648	* 1.1565	* 1.0307	* .6298	* .3877 *	
	* 2.0362	* 1.9554	* 2.0219	* 2.0666	* 1.9421	* 2.7410	* 5.1510 *	

14	* 1.3252	* 1.3286	* 1.2828	* 1.2047	* .7463	* .3865 *		
	* 1.9434	* 1.9339	* 1.9956	* 2.0641	* 3.0024	* 5.1623 *		

15	* .7289	* .7408	* .6960	* .5900	* F-SUB-Q			
	* 3.5092	* 3.4514	* 3.6526	* 4.2776	* M-SUB-Q			

AT 50% POWER, 75 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.0075	* 1.3391	* 1.4234	* 1.4611	* 1.5788	* 1.4073	* 1.5055	* .7909 *
	* 2.0938	* 1.8966	* 1.8864	* 1.8284	* 1.6873	* 1.8880	* 1.7613	* 3.3282 *

9	* 1.3391	* 1.4876	* 1.4300	* 1.5097	* 1.4838	* 1.4741	* 1.5117	* .7952 *
	* 1.8966	* 1.8107	* 1.8740	* 1.7696	* 1.7974	* 1.7973	* 1.7517	* 3.3114 *

10	* 1.4235	* 1.4300	* 1.5086	* 1.4875	* 1.4987	* 1.4233	* 1.4635	* .7531 *
	* 1.8863	* 1.8740	* 1.7720	* 1.7930	* 1.7789	* 1.8554	* 1.8054	* 3.4860 *

11	* 1.4610	* 1.5095	* 1.4870	* 1.4499	* 1.2675	* 1.3286	* 1.4042	* .6865 *
	* 1.8285	* 1.7699	* 1.7937	* 1.8420	* 2.0022	* 1.8679	* 1.8408	* 3.8016 *

12	* 1.5788	* 1.4836	* 1.4980	* 1.2667	* 1.0140	* 1.1983	* .8288 *	
	* 1.6873	* 1.7977	* 1.7798	* 2.0038	* 1.9109	* 1.7486	* 2.8192 *	

13	* 1.4073	* 1.4735	* 1.4205	* 1.3252	* 1.1950	* .7038	* .4270 *	
	* 1.8880	* 1.7982	* 1.8593	* 1.8716	* 1.7506	* 2.5893	* 4.8896 *	

14	* 1.5055	* 1.5108	* 1.4605	* 1.3966	* .8250	* .4258 *		
	* 1.7613	* 1.7530	* 1.8093	* 1.8493	* 2.8297	* 4.8999 *		

15	* .7919	* .7978	* .7508	* .6430	* F-SUB-Q			
	* 3.3240	* 3.3011	* 3.4972	* 4.0607	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 75 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0644	* 1.3980	* 1.4863	* 1.5308	* 1.6789	* 1.4745	* 1.5999	* .8296
	* 2.1103	* 1.9042	* 1.8864	* 1.8221	* 1.6562	* 1.8798	* 1.7275	* 3.3083
9	* 1.3980	* 1.5718	* 1.4939	* 1.6006	* 1.5586	* 1.5511	* 1.6079	* .8362
	* 1.9042	* 1.7894	* 1.8727	* 1.7419	* 1.7866	* 1.7808	* 1.7168	* 3.2844
10	* 1.4864	* 1.4939	* 1.5782	* 1.5641	* 1.5905	* 1.5016	* 1.5612	* .7932
	* 1.8862	* 1.8728	* 1.7682	* 1.7810	* 1.7508	* 1.8347	* 1.7657	* 3.4562
11	* 1.5308	* 1.6003	* 1.5634	* 1.5354	* 1.3401	* 1.4267	* 1.5102	* .7260
	* 1.8222	* 1.7423	* 1.7818	* 1.8172	* 1.9976	* 1.8235	* 1.7945	* 3.7596
12	* 1.6789	* 1.5583	* 1.5897	* 1.3391	* 1.0816	* 1.2951	* .8852	*
	* 1.6562	* 1.7871	* 1.7518	* 1.9991	* 1.9010	* 1.7093	* 2.7799	*
13	* 1.4745	* 1.5506	* 1.4989	* 1.4225	* 1.2918	* .7540	* .4528	*
	* 1.8798	* 1.7815	* 1.8387	* 1.8269	* 1.7112	* 2.5709	* 4.8769	*
14	* 1.5999	* 1.6070	* 1.5583	* 1.5027	* .8815	* .4516	*	*
	* 1.7275	* 1.7180	* 1.7693	* 1.8022	* 2.7896	* 4.8867	*	*
15	* .8307	* .8390	* .7911	* .6812	* F-SUB-Q			
	* 3.3041	* 3.2736	* 3.4661	* 4.0087	* M-SUB-Q			

AT 50% POWER, 75 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0915	* 1.4258	* 1.5174	* 1.5681	* 1.7325	* 1.5102	* 1.6526	* .8556
	* 2.1874	* 1.9690	* 1.9546	* 1.8815	* 1.6971	* 1.9395	* 1.7658	* 3.3884
9	* 1.4258	* 1.6125	* 1.5260	* 1.6498	* 1.5994	* 1.5947	* 1.6624	* .8663
	* 1.9690	* 1.8450	* 1.9400	* 1.7879	* 1.8414	* 1.8297	* 1.7539	* 3.3497
10	* 1.5176	* 1.5258	* 1.6148	* 1.6050	* 1.6415	* 1.5493	* 1.6185	* .8234
	* 1.9544	* 1.9403	* 1.8291	* 1.8374	* 1.7955	* 1.8807	* 1.8004	* 3.5213
11	* 1.5681	* 1.6494	* 1.6042	* 1.5823	* 1.3872	* 1.4906	* 1.5747	* .7555
	* 1.8815	* 1.7884	* 1.8384	* 1.8670	* 2.0516	* 1.8519	* 1.8185	* 3.8283
12	* 1.7325	* 1.5990	* 1.6406	* 1.3862	* 1.1234	* 1.3558	* .9277	*
	* 1.6971	* 1.8420	* 1.7966	* 2.0532	* 1.9592	* 1.7469	* 2.8278	*
13	* 1.5102	* 1.5943	* 1.5464	* 1.4858	* 1.3525	* .7897	* .4725	*
	* 1.9395	* 1.8302	* 1.8845	* 1.8553	* 1.7495	* 2.6346	* 5.0115	*
14	* 1.6526	* 1.6616	* 1.6157	* 1.5674	* .9240	* .4713	*	*
	* 1.7657	* 1.7549	* 1.8038	* 1.8260	* 2.8373	* 5.0211	*	*
15	* .8568	* .8693	* .8215	* .7108	* F-SUB-Q			
	* 3.3839	* 3.3382	* 3.5303	* 4.0712	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 75 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1115	* 1.4542	* 1.5471	* 1.6033	* 1.7850	* 1.5443	* 1.7066	* .8741 *
	* 2.2793	* 2.0436	* 2.0582	* 1.9745	* 1.7667	* 2.0325	* 1.8301	* 3.5504 *
9	* 1.4542	* 1.6553	* 1.5566	* 1.6986	* 1.6380	* 1.6377	* 1.7178	* .8802 *
	* 2.0436	* 1.9175	* 2.0429	* 1.8638	* 1.9289	* 1.9082	* 1.8179	* 3.5297 *
10	* 1.5473	* 1.5563	* 1.6522	* 1.6463	* 1.6905	* 1.5963	* 1.6756	* .8377 *
	* 2.0579	* 2.0433	* 1.9210	* 1.9255	* 1.8726	* 1.9588	* 1.8646	* 3.7124 *
11	* 1.6033	* 1.6981	* 1.6454	* 1.6299	* 1.4198	* 1.5564	* 1.6392	* .7700 *
	* 1.9745	* 1.8644	* 1.9266	* 1.9485	* 2.1172	* 1.8909	* 1.8494	* 4.0386 *
12	* 1.7850	* 1.6375	* 1.6896	* 1.4188	* 1.1565	* 1.4182	* .9513 *	
	* 1.7667	* 1.9296	* 1.8737	* 2.1190	* 2.0345	* 1.7982	* 2.9607 *	
13	* 1.5443	* 1.6374	* 1.5934	* 1.5516	* 1.4149	* .8132	* .4837 *	
	* 2.0325	* 1.9086	* 1.9626	* 1.8943	* 1.8008	* 2.7700	* 5.3013 *	
14	* 1.7067	* 1.7171	* 1.6729	* 1.6324	* .9477	* .4825 *		
	* 1.8301	* 1.8187	* 1.8679	* 1.8567	* 2.9705	* 5.3112 *		
15	* .8753	* .8834	* .8359	* .7234	* F-SUB-Q			
	* 3.5456	* 3.5173	* 3.7209	* 4.3010	* M-SUB-Q			

AT 50% POWER, 75 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1294	* 1.4739	* 1.5644	* 1.6231	* 1.8142	* 1.5632	* 1.7381	* .8873 *
	* 2.4280	* 2.1748	* 2.2218	* 2.1253	* 1.8929	* 2.1836	* 1.9513	* 3.7965 *
9	* 1.4739	* 1.6814	* 1.5746	* 1.7271	* 1.6601	* 1.6630	* 1.7519	* .8927 *
	* 2.1748	* 2.0346	* 2.2053	* 1.9984	* 2.0731	* 2.0428	* 1.9382	* 3.7778 *
10	* 1.5647	* 1.5742	* 1.6756	* 1.6737	* 1.7219	* 1.6280	* 1.7134	* .8512 *
	* 2.2214	* 2.2059	* 2.0700	* 2.0554	* 2.0070	* 2.0944	* 1.9869	* 3.9762 *
11	* 1.6231	* 1.7265	* 1.6727	* 1.6625	* 1.4493	* 1.6056	* 1.6885	* .7853 *
	* 2.1253	* 1.9991	* 2.0567	* 2.0646	* 2.2387	* 1.9832	* 1.9393	* 4.3014 *
12	* 1.8142	* 1.6596	* 1.7209	* 1.4482	* 1.1896	* 1.4714	* .9794 *	
	* 1.8929	* 2.0739	* 2.0082	* 2.2405	* 2.1450	* 1.8850	* 3.1158 *	
13	* 1.5632	* 1.6627	* 1.6252	* 1.6009	* 1.4682	* .8438	* .4993 *	
	* 2.1836	* 2.0432	* 2.0984	* 1.9866	* 1.8877	* 2.9350	* 5.6268 *	
14	* 1.7381	* 1.7511	* 1.7101	* 1.6818	* .9759	* .4982 *		
	* 1.9512	* 1.9390	* 1.9902	* 1.9467	* 3.1257	* 5.6373 *		
15	* .8885	* .8959	* .8494	* .7380	* F-SUB-Q			
	* 3.7913	* 3.7657	* 3.9849	* 4.5779	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 75 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.1612	* 1.5060	* 1.5851	* 1.6431	* 1.8444	* 1.5816	* 1.7692	* .8970 *
	* 2.6509	* 2.3589	* 2.4150	* 2.3038	* 2.0394	* 2.3534	* 2.0865	* 4.0687 *

9	* 1.5060	* 1.7162	* 1.5954	* 1.7575	* 1.6824	* 1.6877	* 1.7861	* .8993 *
	* 2.3589	* 2.1862	* 2.3987	* 2.1581	* 2.2419	* 2.1955	* 2.0729	* 4.0653 *

10	* 1.5854	* 1.5949	* 1.7034	* 1.7058	* 1.7554	* 1.6610	* 1.7551	* .8594 *
	* 2.4145	* 2.3994	* 2.2254	* 2.2001	* 2.1448	* 2.2455	* 2.1183	* 4.2817 *

11	* 1.6431	* 1.7568	* 1.7047	* 1.6998	* 1.4815	* 1.6628	* 1.7439	* .7965 *
	* 2.3037	* 2.1589	* 2.2017	* 2.2039	* 2.4148	* 2.1248	* 2.0637	* 4.6230 *

12	* 1.8444	* 1.6818	* 1.7544	* 1.4804	* 1.2451	* 1.5465	* 1.0087	*
	* 2.0394	* 2.2428	* 2.1466	* 2.4169	* 2.3190	* 2.0205	* 3.3776	*

13	* 1.5816	* 1.6876	* 1.6582	* 1.6581	* 1.5433	* .8905	* .5190	*
	* 2.3534	* 2.1958	* 2.2509	* 2.1284	* 2.0234	* 3.1817	* 6.1044	*

14	* 1.7693	* 1.7856	* 1.7515	* 1.7372	* 1.0052	* .5179	*	
	* 2.0864	* 2.0737	* 2.1254	* 2.0715	* 3.3879	* 6.1156	*	

15	* .8983	* .9026	* .8577	* .7513	F-SUB-Q			
	* 4.0626	* 4.0508	* 4.2904	* 4.9011	M-SUB-Q			

AT 50% POWER, 75 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.2454	* 1.5273	* 1.5833	* 1.6353	* 1.8307	* 1.5738	* 1.7572	* .9023 *
	* 2.9326	* 2.6076	* 2.6616	* 2.5155	* 2.2281	* 2.5577	* 2.2737	* 4.3694 *

9	* 1.5273	* 1.7187	* 1.5932	* 1.7494	* 1.6753	* 1.6822	* 1.7782	* .9126 *
	* 2.6076	* 2.4277	* 2.6423	* 2.3604	* 2.4428	* 2.3835	* 2.2542	* 4.3253 *

10	* 1.5835	* 1.5927	* 1.7043	* 1.7122	* 1.7540	* 1.6665	* 1.7579	* .8761 *
	* 2.6611	* 2.6431	* 2.4727	* 2.4400	* 2.3708	* 2.4382	* 2.3065	* 4.5271 *

11	* 1.6353	* 1.7487	* 1.7110	* 1.7055	* 1.5191	* 1.6892	* 1.7637	* .8180 *
	* 2.5154	* 2.3613	* 2.4418	* 2.4462	* 2.6608	* 2.3415	* 2.2765	* 4.9159 *

12	* 1.8307	* 1.6747	* 1.7530	* 1.5180	* 1.3500	* 1.6275	* 1.0613	*
	* 2.2281	* 2.4438	* 2.3724	* 2.6631	* 2.5806	* 2.2484	* 3.6501	*

13	* 1.5738	* 1.6821	* 1.6638	* 1.6862	* 1.6248	* .9911	* .5545	*
	* 2.5577	* 2.3839	* 2.4426	* 2.3455	* 2.2517	* 3.4818	* 6.6503	*

14	* 1.7573	* 1.7774	* 1.7542	* 1.7572	* 1.0579	* .5534	*	
	* 2.2737	* 2.2550	* 2.3102	* 2.2847	* 3.6611	* 6.6619	*	

15	* .9035	* .9161	* .8746	* .7717	F-SUB-Q			
	* 4.3632	* 4.3095	* 4.5361	* 5.2138	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 75 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3752	* 1.5874	* 1.6067	* 1.6555	* 1.8647	* 1.5906	* 1.7916	* .9056
	* 3.2561	* 2.8894	* 2.8395	* 2.6798	* 2.3571	* 2.7188	* 2.3846	* 4.6347
9	* 1.5874	* 1.7673	* 1.6159	* 1.7876	* 1.6978	* 1.7094	* 1.8167	* .9066
	* 2.8894	* 2.6637	* 2.8199	* 2.4992	* 2.6006	* 2.5230	* 2.3701	* 4.6416
10	* 1.6070	* 1.6154	* 1.7365	* 1.7522	* 1.7972	* 1.7017	* 1.8072	* .8720
	* 2.8390	* 2.8209	* 2.6396	* 2.6333	* 2.5156	* 2.5924	* 2.4314	* 4.8935
11	* 1.6555	* 1.7868	* 1.7509	* 1.7524	* 1.5624	* 1.7729	* 1.8337	* .8187
	* 2.6797	* 2.5003	* 2.6351	* 2.6463	* 2.9362	* 2.5604	* 2.4821	* 5.3363
12	* 1.8647	* 1.6971	* 1.7957	* 1.5619	* 1.5135	* 1.7764	* 1.0881	*
	* 2.3571	* 2.6017	* 2.5172	* 2.9403	* 2.8353	* 2.4504	* 4.0999	*
13	* 1.5906	* 1.7084	* 1.6991	* 1.7698	* 1.7736	* 1.0879	* .5766	*
	* 2.7188	* 2.5232	* 2.5969	* 2.5646	* 2.4539	* 3.8911	* 7.4599	*
14	* 1.7916	* 1.8157	* 1.8036	* 1.8272	* 1.0848	* .5755	*	*
	* 2.3846	* 2.3708	* 2.4366	* 2.4926	* 4.1118	* 7.4728	*	*
15	* .9070	* .9100	* .8705	* .7696	F-SUB-Q			
	* 4.6277	* 4.6246	* 4.9023	* 5.6802	M-SUB-Q			

AT 50% POWER, 75 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4426	* 1.6331	* 1.6083	* 1.6529	* 1.8646	* 1.5867	* 1.7929	* .9049
	* 3.3702	* 2.9857	* 3.0414	* 2.8712	* 2.5300	* 2.9371	* 2.5645	* 4.9752
9	* 1.6331	* 1.7805	* 1.6172	* 1.7936	* 1.6964	* 1.7128	* 1.8226	* .9060
	* 2.9857	* 2.7608	* 3.0229	* 2.6807	* 2.7952	* 2.7201	* 2.5490	* 4.9839
10	* 1.6086	* 1.6166	* 1.7429	* 1.7646	* 1.8138	* 1.7166	* 1.8256	* .8741
	* 3.0408	* 3.0241	* 2.8250	* 2.7850	* 2.7062	* 2.7952	* 2.6133	* 5.2555
11	* 1.6530	* 1.7927	* 1.7632	* 1.7675	* 1.5924	* 1.8150	* 1.8663	* .8256
	* 2.8710	* 2.6819	* 2.7871	* 2.7793	* 3.0623	* 2.6856	* 2.6248	* 5.7544
12	* 1.8646	* 1.6956	* 1.8123	* 1.5910	* 1.6101	* 1.8584	* 1.1184	*
	* 2.5300	* 2.7965	* 2.7081	* 3.0650	* 2.9962	* 2.5986	* 4.3414	*
13	* 1.5867	* 1.7118	* 1.7129	* 1.8120	* 1.8557	* 1.1560	* .5988	*
	* 2.9371	* 2.7202	* 2.7999	* 2.6900	* 2.6023	* 4.1452	* 8.0129	*
14	* 1.7930	* 1.8217	* 1.8201	* 1.8599	* 1.1151	* .5977	*	*
	* 2.5644	* 2.5496	* 2.6184	* 2.6337	* 4.3539	* 8.0267	*	*
15	* .9063	* .9094	* .8727	* .7766	F-SUB-Q			
	* 4.9677	* 4.9655	* 5.2643	* 6.1203	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 75 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	1.4442	1.6286	1.5887	1.6292	1.8335	1.5640	1.7653	.8996
	3.4064	3.0183	2.9491	2.7869	2.4606	2.8550	2.5247	4.9059
9	1.6286	1.7590	1.5975	1.7686	1.6741	1.6938	1.7986	.9067
	3.0183	2.7730	2.9312	2.6062	2.7130	2.6711	2.5160	4.8835
10	1.5891	1.5968	1.7241	1.7490	1.7962	1.7080	1.8170	.8779
	2.9485	2.9325	2.7541	2.7493	2.6275	2.7617	2.5944	5.1776
11	1.6293	1.7677	1.7477	1.7503	1.5885	1.8124	1.8599	.8337
	2.7868	2.6074	2.7513	2.7648	3.0905	2.7100	2.6445	5.7075
12	1.8335	1.6730	1.7947	1.5870	1.6279	1.8746	1.1433	
	2.4606	2.7143	2.6293	3.0932	3.0219	2.6215	4.2962	
13	1.5640	1.6929	1.7043	1.8094	1.8720	1.1922	.6157	
	2.8550	2.6711	2.7660	2.7144	2.6253	4.1190	7.9473	
14	1.7653	1.7978	1.8116	1.8537	1.1401	.6146		
	2.5246	2.5165	2.5977	2.6533	4.3084	7.9610		
15	.9009	.9103	.8765	.7872	F-SUB-Q			
	4.8985	4.8648	5.1852	6.0460	M-SUB-Q			

AT 50% POWER, 75 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	1.4442	1.6304	1.5842	1.6237	1.8383	1.5580	1.7740	.8904
	3.2818	2.8954	2.8447	2.6867	2.3582	2.7532	2.4129	4.7534
9	1.6304	1.7684	1.5913	1.7746	1.6719	1.6947	1.8095	.8883
	2.8954	2.6554	2.8286	2.4980	2.6135	2.5682	2.4053	4.7822
10	1.5845	1.5906	1.7233	1.7518	1.8086	1.7172	1.8372	.8602
	2.8441	2.8299	2.6510	2.6431	2.5206	2.6527	2.4811	5.0811
11	1.6238	1.7737	1.7504	1.7585	1.5937	1.8357	1.8857	.8185
	2.6865	2.4992	2.6452	2.6499	2.9591	2.5762	2.5058	5.6076
12	1.8383	1.6708	1.8071	1.5922	1.6442	1.9081	1.1290	
	2.3582	2.6149	2.5224	2.9617	2.9085	2.4985	4.1773	
13	1.5580	1.6939	1.7136	1.8327	1.9054	1.1868	.6078	
	2.7532	2.5681	2.6568	2.5801	2.5018	4.0028	7.7037	
14	1.7740	1.8087	1.8319	1.8796	1.1259	.6068		
	2.4128	2.4057	2.4841	2.5135	4.1884	7.7162		
15	.8917	.8917	.8589	.7739	F-SUB-Q			
	4.7461	4.7641	5.0879	5.9316	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 75 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4218	* 1.6062	* 1.5593	* 1.5984	* 1.8137	* 1.5335	* 1.7542	* .8764
	* 3.0411	* 2.6814	* 2.6425	* 2.5012	* 2.1933	* 2.5673	* 2.2399	* 4.4085
9	* 1.6062	* 1.7454	* 1.5658	* 1.7519	* 1.6480	* 1.6734	* 1.7914	* .8733
	* 2.6814	* 2.4565	* 2.6292	* 2.3195	* 2.4337	* 2.3919	* 2.2322	* 4.4452
10	* 1.5596	* 1.5650	* 1.6987	* 1.7291	* 1.7895	* 1.7011	* 1.8258	* .8450
	* 2.6420	* 2.6305	* 2.4647	* 2.4552	* 2.3381	* 2.4642	* 2.2982	* 4.7167
11	* 1.5985	* 1.7509	* 1.7276	* 1.7380	* 1.5741	* 1.8231	* 1.8767	* .8058
	* 2.5011	* 2.3206	* 2.4571	* 2.4549	* 2.7347	* 2.3677	* 2.2986	* 5.1866
12	* 1.8137	* 1.6468	* 1.7879	* 1.5725	* 1.6299	* 1.9011	* 1.1157	*
	* 2.1933	* 2.4350	* 2.3397	* 2.7371	* 2.6792	* 2.2910	* 3.8599	*
13	* 1.5335	* 1.6726	* 1.6975	* 1.8202	* 1.8984	* 1.1752	* .5996	*
	* 2.5673	* 2.3916	* 2.4676	* 2.3713	* 2.2942	* 3.7007	* 7.1534	*
14	* 1.7543	* 1.7906	* 1.8206	* 1.8707	* 1.1126	* .5986	*	*
	* 2.2399	* 2.2324	* 2.3015	* 2.3057	* 3.8701	* 7.1649	*	*
15	* .8778	* .8757	* .8438	* .7620	* F-SUB-Q			
	* 4.4016	* 4.4283	* 4.7225	* 5.4836	* M-SUB-Q			

AT 50% POWER, 75 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3886	* 1.5696	* 1.5238	* 1.5612	* 1.7726	* 1.4987	* 1.7175	* .8585
	* 2.8400	* 2.5018	* 2.4326	* 2.3051	* 2.0204	* 2.3672	* 2.0629	* 4.0642
9	* 1.5696	* 1.7062	* 1.5295	* 1.7131	* 1.6113	* 1.6385	* 1.7552	* .8552
	* 2.5018	* 2.2583	* 2.4203	* 2.1352	* 2.2421	* 2.2025	* 2.0540	* 4.0951
10	* 1.5241	* 1.5286	* 1.6611	* 1.6921	* 1.7522	* 1.6682	* 1.7931	* .8292
	* 2.4320	* 2.4216	* 2.2654	* 2.2549	* 2.1499	* 2.2631	* 2.1105	* 4.3376
11	* 1.5613	* 1.7120	* 1.6905	* 1.7000	* 1.5413	* 1.7887	* 1.8440	* .7917
	* 2.3049	* 2.1363	* 2.2568	* 2.2544	* 2.5512	* 2.2049	* 2.1346	* 4.7538
12	* 1.7726	* 1.6101	* 1.7507	* 1.5396	* 1.5989	* 1.8694	* 1.0987	*
	* 2.0204	* 2.2433	* 2.1514	* 2.5536	* 2.5046	* 2.1373	* 3.5905	*
13	* 1.4987	* 1.6377	* 1.6647	* 1.7858	* 1.8667	* 1.1579	* .5901	*
	* 2.3672	* 2.2022	* 2.2663	* 2.2083	* 2.1403	* 3.4536	* 6.6913	*
14	* 1.7175	* 1.7544	* 1.7880	* 1.8381	* 1.0958	* .5891	*	*
	* 2.0629	* 2.0542	* 2.1144	* 2.1412	* 3.6001	* 6.7022	*	*
15	* .8599	* .8584	* .8280	* .7458	* F-SUB-Q			
	* 4.0579	* 4.0793	* 4.3428	* 5.0464	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 75 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.3421	* 1.5165	* 1.4732	* 1.5085	* 1.7082	* 1.4489	* 1.6572	* .8362 *
	* 2.7750	* 2.4465	* 2.3715	* 2.2516	* 1.9789	* 2.3140	* 2.0217	* 3.9525 *

9	* 1.5165	* 1.6447	* 1.4788	* 1.6523	* 1.5578	* 1.5857	* 1.6954	* .8389 *
	* 2.4465	* 2.2049	* 2.3590	* 2.0884	* 2.1900	* 2.1510	* 2.0092	* 3.9526 *

10	* 1.4735	* 1.4779	* 1.6060	* 1.6362	* 1.6910	* 1.6160	* 1.7359	* .8147 *
	* 2.3710	* 2.3603	* 2.2063	* 2.1945	* 2.0975	* 2.2032	* 2.0603	* 4.1741 *

11	* 1.5086	* 1.6513	* 1.6347	* 1.6416	* 1.4912	* 1.7278	* 1.7846	* .7796 *
	* 2.2515	* 2.0896	* 2.1963	* 2.1984	* 2.4924	* 2.1586	* 2.0847	* 4.5514 *

12	* 1.7082	* 1.5566	* 1.6896	* 1.4896	* 1.5484	* 1.8094	* 1.0842	*
	* 1.9789	* 2.1913	* 2.0990	* 2.4948	* 2.4463	* 2.0892	* 3.4437	*

13	* 1.4489	* 1.5850	* 1.6126	* 1.7250	* 1.8068	* 1.1396	* .5819	*
	* 2.3140	* 2.1508	* 2.2064	* 2.1621	* 2.0923	* 3.3262	* 6.4382	*

14	* 1.6573	* 1.6947	* 1.7310	* 1.7790	* 1.0813	* .5809	*	*
	* 2.0217	* 2.0093	* 2.0632	* 2.0912	* 3.4530	* 6.4489	*	*

15	* .8375	* .8423	* .8136	* .7367	F-SUB-Q			
	* 3.9464	* 3.9369	* 4.1789	* 4.8158	M-SUB-Q			

AT 50% POWER, 75 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.3092	* 1.4827	* 1.4384	* 1.4732	* 1.6780	* 1.4146	* 1.6315	* .8094 *
	* 2.5884	* 2.2742	* 2.2176	* 2.1089	* 1.8440	* 2.1717	* 1.8831	* 3.7509 *

9	* 1.4827	* 1.6156	* 1.4431	* 1.6232	* 1.5228	* 1.5523	* 1.6691	* .8040 *
	* 2.2742	* 2.0432	* 2.2060	* 1.9436	* 2.0500	* 2.0127	* 1.8696	* 3.7950 *

10	* 1.4388	* 1.4422	* 1.5710	* 1.6019	* 1.6622	* 1.5835	* 1.7095	* .7779 *
	* 2.2171	* 2.2072	* 2.0557	* 2.0419	* 1.9510	* 2.0538	* 1.9097	* 4.0063 *

11	* 1.4734	* 1.6222	* 1.6004	* 1.6119	* 1.4565	* 1.7001	* 1.7607	* .7438 *
	* 2.1088	* 1.9447	* 2.0436	* 2.0390	* 2.3163	* 1.9910	* 1.9091	* 4.3528 *

12	* 1.6780	* 1.5216	* 1.6607	* 1.4549	* 1.5151	* 1.7832	* 1.0352	*
	* 1.8440	* 2.0513	* 1.9525	* 2.3186	* 2.2780	* 1.9377	* 3.2875	*

13	* 1.4146	* 1.5515	* 1.5801	* 1.6973	* 1.7805	* 1.0931	* .5538	*
	* 2.1717	* 2.0124	* 2.0568	* 1.9944	* 1.9405	* 3.1614	* 6.1902	*

14	* 1.6316	* 1.6684	* 1.7047	* 1.7551	* 1.0323	* .5529	*	*
	* 1.8831	* 1.8698	* 1.9131	* 1.9152	* 3.2967	* 6.2003	*	*

15	* .8107	* .8062	* .7769	* .7037	F-SUB-Q			
	* 3.7449	* 3.7804	* 4.0113	* 4.6012	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 75 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2600	* 1.4281	* 1.3849	* 1.4159	* 1.6119	* 1.3602	* 1.5699	* .7777 *
	* 2.4370	* 2.1526	* 2.1218	* 2.0272	* 1.7742	* 2.0906	* 1.8128	* 3.6227 *
9	* 1.4281	* 1.5551	* 1.3885	* 1.5610	* 1.4641	* 1.4941	* 1.6049	* .7715 *
	* 2.1526	* 1.9455	* 2.1110	* 1.8661	* 1.9705	* 1.9343	* 1.7980	* 3.6697 *
10	* 1.3852	* 1.3877	* 1.5131	* 1.5422	* 1.5976	* 1.5233	* 1.6450	* .7461 *
	* 2.1213	* 2.1122	* 1.9619	* 1.9467	* 1.8680	* 1.9653	* 1.8295	* 3.8645 *
11	* 1.4160	* 1.5600	* 1.5407	* 1.5512	* 1.3991	* 1.6330	* 1.6946	* .7135 *
	* 2.0271	* 1.8672	* 1.9484	* 1.9438	* 2.2078	* 1.8961	* 1.8177	* 4.1752 *
12	* 1.6119	* 1.4628	* 1.5961	* 1.3976	* 1.4577	* 1.7160	* .9936 *	
	* 1.7742	* 1.9717	* 1.8695	* 2.2100	* 2.1453	* 1.8271	* 3.1234 *	
13	* 1.3602	* 1.4934	* 1.5200	* 1.6303	* 1.7134	* 1.0512	* .5313 *	
	* 2.0906	* 1.9341	* 1.9684	* 1.8993	* 1.8300	* 2.9928	* 5.8765 *	
14	* 1.5699	* 1.6042	* 1.6402	* 1.6891	* .9908	* .5304 *		
	* 1.8128	* 1.7985	* 1.8329	* 1.8239	* 3.1322	* 5.8865 *		
15	* .7790	* .7736	* .7451	* .6748	F-SUB-Q			
	* 3.6170	* 3.6555	* 3.8696	* 4.4151	M-SUB-Q			

AT 50% POWER, 75 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1926	* 1.3500	* 1.3101	* 1.3335	* 1.5045	* 1.2835	* 1.4674	* .7401 *
	* 2.3987	* 2.1232	* 2.0872	* 2.0098	* 1.7761	* 2.0730	* 1.8155	* 3.5714 *
9	* 1.3500	* 1.4586	* 1.3126	* 1.4610	* 1.3789	* 1.4083	* 1.5009	* .7399 *
	* 2.1232	* 1.9148	* 2.0768	* 1.8614	* 1.9544	* 1.9181	* 1.7968	* 3.5813 *
10	* 1.3104	* 1.3118	* 1.4294	* 1.4543	* 1.4923	* 1.4320	* 1.5356	* .7179 *
	* 2.0868	* 2.0780	* 1.9272	* 1.9107	* 1.8543	* 1.9404	* 1.8206	* 3.7550 *
11	* 1.3336	* 1.4601	* 1.4530	* 1.4552	* 1.3172	* 1.5207	* 1.5797	* .6871 *
	* 2.0097	* 1.8624	* 1.9125	* 1.9172	* 2.1591	* 1.8849	* 1.7922	* 4.0289 *
12	* 1.5045	* 1.3777	* 1.4909	* 1.3157	* 1.3734	* 1.6017	* .9567 *	
	* 1.7761	* 1.9556	* 1.8557	* 2.1610	* 2.1110	* 1.8154	* 3.0193 *	
13	* 1.2835	* 1.4076	* 1.4287	* 1.5181	* 1.5992	* 1.0118	* .5135 *	
	* 2.0730	* 1.9180	* 1.9436	* 1.8881	* 1.8183	* 2.8768	* 5.6425 *	
14	* 1.4675	* 1.5001	* 1.5309	* 1.5743	* .9540	* .5126 *		
	* 1.8155	* 1.7974	* 1.8244	* 1.7986	* 3.0281	* 5.6524 *		
15	* .7412	* .7429	* .7168	* .6491	F-SUB-Q			
	* 3.5662	* 3.5672	* 3.7605	* 4.2655	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 75 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1318	* 1.2818	* 1.2420	* 1.2607	* 1.4159	* 1.2148	* 1.3858	* .6953
	* 2.3330	* 2.0582	* 2.0702	* 2.0060	* 1.7823	* 2.0709	* 1.8189	* 3.6035
9	* 1.2818	* 1.3790	* 1.2433	* 1.3792	* 1.3034	* 1.3334	* 1.4161	* .6879
	* 2.0582	* 1.8931	* 2.0610	* 1.8608	* 1.9510	* 1.9138	* 1.7984	* 3.6541
10	* 1.2421	* 1.2427	* 1.3575	* 1.3789	* 1.4043	* 1.3506	* 1.4402	* .6648
	* 2.0700	* 2.0621	* 1.9031	* 1.8848	* 1.8489	* 1.9289	* 1.8168	* 3.8312
11	* 1.2608	* 1.3783	* 1.3776	* 1.3752	* 1.2440	* 1.4257	* 1.4820	* .6336
	* 2.0059	* 1.8618	* 1.8865	* 1.8964	* 2.1282	* 1.8655	* 1.7838	* 4.1036
12	* 1.4159	* 1.3024	* 1.4029	* 1.2426	* 1.2992	* 1.5029		* .8783
	* 1.7823	* 1.9522	* 1.8504	* 2.1304	* 2.0836	* 1.8041		* 3.0511
13	* 1.2148	* 1.3326	* 1.3474	* 1.4232	* 1.5006	* .9384	* .4729	*
	* 2.0709	* 1.9138	* 1.9322	* 1.8690	* 1.8071	* 2.9202	* 5.7538	*
14	* 1.3858	* 1.4153	* 1.4355	* 1.4767	* .8756	* .4721		*
	* 1.8188	* 1.7991	* 1.8208	* 1.7904	* 3.0608	* 5.7645		*
15	* .6963	* .6899	* .6636	* .5956	F-SUB-Q			
	* 3.5985	* 3.6402	* 3.8377	* 4.3662	M-SUB-Q			

AT 50% POWER, 75 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0259	* 1.1614	* 1.1204	* 1.1446	* 1.2682	* 1.0999	* 1.2407	* .6384
	* 2.4302	* 2.1488	* 2.1868	* 2.1096	* 1.9009	* 2.1885	* 1.9442	* 3.7633
9	* 1.1614	* 1.2368	* 1.1261	* 1.2373	* 1.1788	* 1.2042	* 1.2665	* .6329
	* 2.1488	* 2.0013	* 2.1668	* 1.9743	* 2.0565	* 2.0226	* 1.9215	* 3.8114
10	* 1.1205	* 1.1256	* 1.2289	* 1.2477	* 1.2558	* 1.2164	* 1.2770	* .6092
	* 2.1866	* 2.1678	* 1.9979	* 1.9748	* 1.9669	* 2.0354	* 1.9391	* 3.9975
11	* 1.1447	* 1.2365	* 1.2467	* 1.2347	* 1.1312	* 1.2698	* 1.3086	* .5721
	* 2.1095	* 1.9755	* 1.9764	* 2.0019	* 2.2176	* 1.9829	* 1.9152	* 4.3273
12	* 1.2682	* 1.1779	* 1.2546	* 1.1301	* 1.1710	* 1.3327	* .7882	*
	* 1.9009	* 2.0577	* 1.9683	* 2.2198	* 2.1699	* 1.9128	* 3.2147	*
13	* 1.0999	* 1.2034	* 1.2134	* 1.2674	* 1.3306	* .8464	* .4239	*
	* 2.1885	* 2.0246	* 2.0391	* 1.9867	* 1.9160	* 3.0343	* 6.0424	*
14	* 1.2407	* 1.2657	* 1.2726	* 1.3036	* .7857	* .4231		*
	* 1.9441	* 1.9224	* 1.9437	* 1.9230	* 3.2255	* 6.0541		*
15	* .6392	* .6345	* .6080	* .5364	F-SUB-Q			
	* 3.7582	* 3.8006	* 4.0055	* 4.6162	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 75 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8165 *	* .9363 *	* .8791 *	* .9163 *	* 1.1231 *	* .8825 *	* 1.0899 *	* .5311 *
	* 2.9251 *	* 2.5485 *	* 2.6862 *	* 2.5422 *	* 2.0706 *	* 2.6349 *	* 2.1393 *	* 4.3796 *
9	* .9363 *	* 1.1040 *	* .8915 *	* 1.0853 *	* .9319 *	* .9600 *	* 1.1037 *	* .5308 *
	* 2.5485 *	* 2.1579 *	* 2.6354 *	* 2.1596 *	* 2.5023 *	* 2.4485 *	* 2.1272 *	* 4.3969 *
10	* .8791 *	* .8911 *	* .9832 *	* 1.0130 *	* 1.0572 *	* .9724 *	* 1.0999 *	* .5051 *
	* 2.6857 *	* 2.6367 *	* 2.4024 *	* 2.3363 *	* 2.2459 *	* 2.4571 *	* 2.1533 *	* 4.6647 *
11	* .9164 *	* 1.0847 *	* 1.0123 *	* 1.0906 *	* .9194 *	* 1.1180 *	* 1.0138 *	* .4572 *
	* 2.5421 *	* 2.1607 *	* 2.3380 *	* 2.1812 *	* 2.6115 *	* 2.1555 *	* 2.3718 *	* 5.2197 *
12	* 1.1231 *	* .9314 *	* 1.0563 *	* .9186 *	* .9352 *	* 1.0857 *	* .6334 *	
	* 2.0706 *	* 2.5038 *	* 2.2479 *	* 2.6140 *	* 2.6057 *	* 2.2529 *	* 3.8484 *	
13	* .8825 *	* .9592 *	* .9700 *	* 1.1160 *	* 1.0840 *	* .6822 *	* .3358 *	
	* 2.6349 *	* 2.4494 *	* 2.4645 *	* 2.1595 *	* 2.2565 *	* 3.6084 *	* 7.3241 *	
14	* 1.0899 *	* 1.1027 *	* 1.0974 *	* 1.0097 *	* .6313 *	* .3352 *		
	* 2.1393 *	* 2.1274 *	* 2.1583 *	* 2.3820 *	* 3.8621 *	* 7.3384 *		
15	* .5311 *	* .5319 *	* .5034 *	* .4319 *	F-SUB-Q			
	* 4.3796 *	* 4.3887 *	* 4.6752 *	* 5.5254 *	M-SUB-Q			

AT 50% POWER, 75 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .3628 *	* .3873 *	* .3615 *	* .3921 *	* .4630 *	* .3864 *	* .4183 *	* .2391 *
	* 6.3295 *	* 5.9162 *	* 6.2796 *	* 5.7458 *	* 4.8522 *	* 5.8381 *	* 5.3819 *	* 9.4356 *
9	* .3873 *	* .4465 *	* .3791 *	* .4623 *	* .3958 *	* .3909 *	* .4217 *	* .2285 *
	* 5.9162 *	* 5.1166 *	* 5.9794 *	* 4.8913 *	* 5.7306 *	* 5.8000 *	* 5.3619 *	* 9.8784 *
10	* .3615 *	* .3790 *	* .4111 *	* .4304 *	* .4643 *	* .3975 *	* .4191 *	* .2185 *
	* 6.2804 *	* 5.9819 *	* 5.5532 *	* 5.3049 *	* 4.9299 *	* 5.7918 *	* 5.4459 *	* 10.4234 *
11	* .3921 *	* .4621 *	* .4302 *	* .4730 *	* .4042 *	* .4545 *	* .3978 *	* .1932 *
	* 5.7460 *	* 4.8937 *	* 5.3072 *	* 4.8398 *	* 5.6915 *	* 5.0992 *	* 5.8104 *	* 11.9361 *
12	* .4630 *	* .3956 *	* .4639 *	* .4039 *	* .3856 *	* .4117 *	* .2706 *	
	* 4.8522 *	* 5.7330 *	* 4.9337 *	* 5.6959 *	* 6.0551 *	* 5.7268 *	* 8.6927 *	
13	* .3864 *	* .3906 *	* .3968 *	* .4537 *	* .4110 *	* .2857 *	* .1479 *	
	* 5.8381 *	* 5.8016 *	* 5.8014 *	* 5.1089 *	* 5.7359 *	* 8.3078 *	* 16.0729 *	
14	* .4183 *	* .4213 *	* .4181 *	* .3964 *	* .2696 *	* .1475 *		
	* 5.3819 *	* 5.3631 *	* 5.4595 *	* 5.8324 *	* 8.7246 *	* 16.1095 *		
15	* .2393 *	* .2292 *	* .2180 *	* .1829 *	F-SUB-Q			
	* 9.4295 *	* 9.8493 *	* 10.4468 *	* 12.6133 *	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 125 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .3140 *	* .4120 *	* .4212 *	* .4594 *	* .5273 *	* .4458 *	* .4703 *	* .2799 *
	* 5.8014 *	* 5.8130 *	* 5.9439 *	* 5.4221 *	* 4.7170 *	* 5.6038 *	* 5.3452 *	* 8.9365 *
9	* .4120 *	* .4760 *	* .4383 *	* .5193 *	* .4581 *	* .4464 *	* .4685 *	* .2661 *
	* 5.8130 *	* 5.2373 *	* 5.7757 *	* 4.7979 *	* 5.4263 *	* 5.5843 *	* 5.3596 *	* 9.3857 *
10	* .4211 *	* .4381 *	* .4573 *	* .4666 *	* .5012 *	* .4322 *	* .4456 *	* .2486 *
	* 5.9446 *	* 5.7779 *	* 5.5180 *	* 5.3850 *	* 4.9418 *	* 5.7017 *	* 5.5209 *	* 9.9119 *
11	* .4593 *	* .5194 *	* .4664 *	* .4933 *	* .4143 *	* .4364 *	* .3971 *	* .2060 *
	* 5.4225 *	* 4.7971 *	* 5.3876 *	* 5.0079 *	* 5.6669 *	* 5.2588 *	* 6.1215 *	* 11.7725 *
12	* .5273 *	* .4581 *	* .5009 *	* .4140 *	* .3102 *	* .3312 *	* .2481 *	
	* 4.7170 *	* 5.4269 *	* 4.9449 *	* 5.6706 *	* 5.7868 *	* 5.6977 *	* 8.6114 *	
13	* .4458 *	* .4462 *	* .4316 *	* .4354 *	* .3302 *	* .2087 *	* .1307 *	
	* 5.6038 *	* 5.5869 *	* 5.7108 *	* 5.2692 *	* 5.7095 *	* 7.7570 *	* 14.4511 *	
14	* .4703 *	* .4682 *	* .4441 *	* .3951 *	* .2467 *	* .1303 *		
	* 5.3452 *	* 5.3632 *	* 5.5398 *	* 6.1566 *	* 8.6492 *	* 14.4801 *		
15	* .2800 *	* .2665 *	* .2477 *	* .1957 *	F-SUB-Q			
	* 8.9314 *	* 9.3822 *	* 9.9511 *	* 12.3980 *	M-SUB-Q			

AT 50% POWER, 125 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .6988 *	* .9451 *	* .9973 *	* 1.0604 *	* 1.2408 *	* 1.0274 *	* 1.1847 *	* .6246 *
	* 2.7978 *	* 2.5407 *	* 2.5922 *	* 2.4274 *	* 2.0717 *	* 2.5033 *	* 2.1925 *	* 4.1373 *
9	* .9451 *	* 1.1374 *	* 1.0139 *	* 1.1836 *	* 1.0666 *	* 1.0724 *	* 1.1825 *	* .6308 *
	* 2.5407 *	* 2.2521 *	* 2.5593 *	* 2.1745 *	* 2.4088 *	* 2.3998 *	* 2.1792 *	* 4.0777 *
10	* .9973 *	* 1.0137 *	* 1.0788 *	* 1.0754 *	* 1.1084 *	* 1.0281 *	* 1.1306 *	* .5893 *
	* 2.5923 *	* 2.5598 *	* 2.4157 *	* 2.3977 *	* 2.3070 *	* 2.4733 *	* 2.2458 *	* 4.3055 *
11	* 1.0604 *	* 1.1838 *	* 1.0750 *	* 1.1111 *	* .9374 *	* 1.0442 *	* .9624 *	* .5140 *
	* 2.4276 *	* 2.1742 *	* 2.3987 *	* 2.2924 *	* 2.5689 *	* 2.2661 *	* 2.5550 *	* 4.8746 *
12	* 1.2408 *	* 1.0665 *	* 1.1077 *	* .9368 *	* .7296 *	* .8423 *	* .5955 *	
	* 2.0717 *	* 2.4091 *	* 2.3086 *	* 2.5705 *	* 2.5125 *	* 2.3028 *	* 3.7027 *	
13	* 1.0274 *	* 1.0719 *	* 1.0260 *	* 1.0418 *	* .8398 *	* .4950 *	* .3067 *	
	* 2.5033 *	* 2.4010 *	* 2.4789 *	* 2.2700 *	* 2.3066 *	* 3.3719 *	* 6.3592 *	
14	* 1.1847 *	* 1.1819 *	* 1.1273 *	* .9571 *	* .5925 *	* .3058 *		
	* 2.1925 *	* 2.1803 *	* 2.2526 *	* 2.5677 *	* 3.7175 *	* 6.3712 *		
15	* .6251 *	* .6325 *	* .5873 *	* .4789 *	F-SUB-Q			
	* 4.1336 *	* 4.0744 *	* 4.3212 *	* 5.2330 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 125 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8657	* 1.1647	* 1.2514	* 1.3176	* 1.4349	* 1.2743	* 1.3715	* .7608
	* 2.3478	* 2.1287	* 2.1164	* 2.0027	* 1.8341	* 2.0641	* 1.9165	* 3.4372
9	* 1.1647	* 1.3019	* 1.2664	* 1.3554	* 1.3379	* 1.3345	* 1.3730	* .7710
	* 2.1287	* 2.0367	* 2.0896	* 1.9440	* 1.9692	* 1.9665	* 1.9099	* 3.3894
10	* 1.2515	* 1.2664	* 1.3328	* 1.3215	* 1.3360	* 1.2835	* 1.3193	* .7273
	* 2.1163	* 2.0897	* 1.9812	* 1.9907	* 1.9683	* 2.0302	* 1.9713	* 3.5674
11	* 1.3175	* 1.3553	* 1.3211	* 1.2864	* 1.1540	* 1.2072	* 1.2296	* .6441
	* 2.0028	* 1.9441	* 1.9913	* 2.0445	* 2.1505	* 2.0076	* 2.0553	* 3.9880
12	* 1.4349	* 1.3378	* 1.3355	* 1.1533	* .9018	* 1.0469	* .7563	*
	* 1.8341	* 1.9694	* 1.9692	* 2.1520	* 2.0852	* 1.9381	* 2.9978	*
13	* 1.2743	* 1.3335	* 1.2812	* 1.2046	* 1.0441	* .6232	* .3918	*
	* 2.0641	* 1.9681	* 2.0343	* 2.0112	* 1.9407	* 2.7649	* 5.1276	*
14	* 1.3715	* 1.3725	* 1.3158	* 1.2231	* .7529	* .3907	*	*
	* 1.9165	* 1.9108	* 1.9767	* 2.0645	* 3.0085	* 5.1378	*	*
15	* .7616	* .7734	* .7252	* .6054	* F-SUB-Q			
	* 3.4336	* 3.3796	* 3.5788	* 4.2443	* M-SUB-Q			

AT 50% POWER, 125 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9558	* 1.2915	* 1.3908	* 1.4653	* 1.6374	* 1.4189	* 1.5739	* .8327
	* 2.2050	* 1.9861	* 1.9609	* 1.8548	* 1.6555	* 1.9067	* 1.7134	* 3.2222
9	* 1.2915	* 1.4744	* 1.4051	* 1.5436	* 1.4936	* 1.4965	* 1.5767	* .8364
	* 1.9861	* 1.8516	* 1.9374	* 1.7582	* 1.8170	* 1.8022	* 1.7080	* 3.2087
10	* 1.3910	* 1.4051	* 1.4838	* 1.4780	* 1.5173	* 1.4412	* 1.5204	* .7889
	* 1.9607	* 1.9373	* 1.8292	* 1.8314	* 1.7856	* 1.8599	* 1.7601	* 3.3863
11	* 1.4652	* 1.5435	* 1.4775	* 1.4576	* 1.2746	* 1.3934	* 1.4219	* .7037
	* 1.8549	* 1.7584	* 1.8321	* 1.8575	* 1.9998	* 1.8051	* 1.8390	* 3.7635
12	* 1.6374	* 1.4934	* 1.5167	* 1.2738	* 1.0064	* 1.2095	* .8340	*
	* 1.6555	* 1.8172	* 1.7864	* 2.0011	* 1.9258	* 1.7425	* 2.8213	*
13	* 1.4189	* 1.4961	* 1.4386	* 1.3905	* 1.2066	* .6882	* .4294	*
	* 1.9067	* 1.8028	* 1.8635	* 1.8081	* 1.7441	* 2.6123	* 4.8687	*
14	* 1.5739	* 1.5763	* 1.5168	* 1.4152	* .8306	* .4282	*	*
	* 1.7135	* 1.7086	* 1.7645	* 1.8464	* 2.8305	* 4.8779	*	*
15	* .8337	* .8391	* .7869	* .6598	* F-SUB-Q			
	* 3.2183	* 3.1988	* 3.3955	* 4.0152	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 125 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0054	* 1.3435	* 1.4465	* 1.5323	* 1.7373	* 1.4827	* 1.6785	* .8739 *
	* 2.2257	* 1.9936	* 1.9613	* 1.8423	* 1.6198	* 1.8961	* 1.6674	* 3.1890 *
9	* 1.3435	* 1.5569	* 1.4634	* 1.6388	* 1.5652	* 1.5700	* 1.6822	* .8799 *
	* 1.9936	* 1.8235	* 1.9348	* 1.7210	* 1.7999	* 1.7840	* 1.6619	* 3.1687 *
10	* 1.4467	* 1.4634	* 1.5472	* 1.5477	* 1.6067	* 1.5170	* 1.6271	* .8306 *
	* 1.9611	* 1.9348	* 1.8245	* 1.8187	* 1.7516	* 1.8312	* 1.7047	* 3.3422 *
11	* 1.5323	* 1.6386	* 1.5469	* 1.5409	* 1.3449	* 1.4982	* 1.5212	* .7416 *
	* 1.8424	* 1.7213	* 1.8196	* 1.8284	* 1.9910	* 1.7625	* 1.7921	* 3.6962 *
12	* 1.7373	* 1.5649	* 1.6061	* 1.3441	* 1.0760	* 1.3016	* .8868 *	
	* 1.6198	* 1.8002	* 1.7524	* 1.9923	* 1.9176	* 1.7058	* 2.7849 *	
13	* 1.4827	* 1.5697	* 1.5144	* 1.4938	* 1.2987	* .7348	* .4532 *	
	* 1.8961	* 1.7844	* 1.8346	* 1.7652	* 1.7078	* 2.5990	* 4.8624 *	
14	* 1.6784	* 1.6819	* 1.6236	* 1.5150	* .8835	* .4521 *		
	* 1.6674	* 1.6623	* 1.7088	* 1.7987	* 2.7932	* 4.8709 *		
15	* .8750	* .8828	* .8288	* .6966	F-SUB-Q			
	* 3.1849	* 3.1584	* 3.3504	* 3.9369	M-SUB-Q			

AT 50% POWER, 125 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0426	* 1.3653	* 1.4693	* 1.5625	* 1.7844	* 1.5120	* 1.7318	* .8985 *
	* 2.3112	* 2.0645	* 2.0175	* 1.8869	* 1.6463	* 1.9375	* 1.6842	* 3.2358 *
9	* 1.3653	* 1.5930	* 1.4874	* 1.6836	* 1.5984	* 1.6061	* 1.7364	* .9088 *
	* 2.0645	* 1.8667	* 1.9891	* 1.7493	* 1.8403	* 1.8168	* 1.6774	* 3.2003 *
10	* 1.4695	* 1.4873	* 1.5749	* 1.5818	* 1.6509	* 1.5568	* 1.6838	* .8587 *
	* 2.0173	* 1.9894	* 1.8729	* 1.8595	* 1.7815	* 1.8639	* 1.7195	* 3.3706 *
11	* 1.5625	* 1.6833	* 1.5809	* 1.5812	* 1.3870	* 1.5568	* 1.5751	* .7671 *
	* 1.8869	* 1.7496	* 1.8605	* 1.8625	* 2.0474	* 1.7930	* 1.8215	* 3.7423 *
12	* 1.7844	* 1.5981	* 1.6502	* 1.3862	* 1.1252	* 1.3568	* .9238 *	
	* 1.6462	* 1.8407	* 1.7823	* 2.0488	* 1.9805	* 1.7455	* 2.8390 *	
13	* 1.5120	* 1.6059	* 1.5543	* 1.5525	* 1.3540	* .7716	* .4705 *	
	* 1.9375	* 1.8171	* 1.8671	* 1.7957	* 1.7474	* 2.6706	* 5.0078 *	
14	* 1.7318	* 1.7362	* 1.6805	* 1.5692	* .9206	* .4695 *		
	* 1.6843	* 1.6777	* 1.7232	* 1.8278	* 2.8471	* 5.0160 *		
15	* .8998	* .9119	* .8570	* .7225	F-SUB-Q			
	* 3.2313	* 3.1895	* 3.3778	* 3.9753	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 125 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0566	* 1.3837	* 1.4881	* 1.5876	* 1.8292	* 1.5364	* 1.7827	* .9169
	* 2.4138	* 2.1464	* 2.1132	* 1.9695	* 1.7015	* 2.0189	* 1.7287	* 3.3495
9	* 1.3837	* 1.6270	* 1.5068	* 1.7253	* 1.6263	* 1.6374	* 1.7880	* .9189
	* 2.1464	* 1.9391	* 2.0831	* 1.8106	* 1.9179	* 1.8852	* 1.7222	* 3.3441
10	* 1.4883	* 1.5065	* 1.5996	* 1.6120	* 1.6883	* 1.5920	* 1.7378	* .8683
	* 2.1130	* 2.0835	* 1.9568	* 1.9376	* 1.8442	* 1.9330	* 1.7661	* 3.5306
11	* 1.5876	* 1.7250	* 1.6111	* 1.6174	* 1.4096	* 1.6122	* 1.6260	* .7755
	* 1.9695	* 1.8110	* 1.9388	* 1.9339	* 2.1177	* 1.8322	* 1.8590	* 3.9345
12	* 1.8292	* 1.6259	* 1.6875	* 1.4087	* 1.1541	* 1.4069		* .9381
	* 1.7015	* 1.9184	* 1.8457	* 2.1192	* 2.0631	* 1.8050	* 2.9824	
13	* 1.5364	* 1.6373	* 1.5897	* 1.6080	* 1.4041	* .7902	* .4768	
	* 2.0189	* 1.8854	* 1.9362	* 1.8349	* 1.8071	* 2.8177	* 5.3134	
14	* 1.7826	* 1.7879	* 1.7347	* 1.6202	* .9351	* .4758		
	* 1.7288	* 1.7224	* 1.7696	* 1.8652	* 2.9907	* 5.3221		
15	* .9169	* .9222	* .8669	* .7294	F-SUB-Q			
	* 3.3495	* 3.3326	* 3.5371	* 4.1849	M-SUB-Q			

AT 50% POWER, 125 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0610	* 1.3879	* 1.4929	* 1.5962	* 1.8482	* 1.5452	* 1.8078	* .9258
	* 2.5758	* 2.2883	* 2.2728	* 2.1122	* 1.8151	* 2.1592	* 1.8310	* 3.5631
9	* 1.3879	* 1.6390	* 1.5123	* 1.7433	* 1.6368	* 1.6515	* 1.8140	* .9269
	* 2.2883	* 2.0617	* 2.2404	* 1.9331	* 2.0543	* 2.0108	* 1.8251	* 3.5619
10	* 1.4930	* 1.5120	* 1.6084	* 1.6252	* 1.7085	* 1.6096	* 1.7670	* .8764
	* 2.2726	* 2.2409	* 2.1016	* 2.0765	* 1.9661	* 2.0617	* 1.8721	* 3.7660
11	* 1.5963	* 1.7429	* 1.6242	* 1.6343	* 1.4240	* 1.6443	* 1.6550	* .7835
	* 2.1121	* 1.9336	* 2.0778	* 2.0535	* 2.2442	* 1.9256	* 1.9559	* 4.2064
12	* 1.8482	* 1.6364	* 1.7073	* 1.4231	* 1.1699	* 1.4360	* .9519	
	* 1.8151	* 2.0550	* 1.9677	* 2.2458	* 2.1768	* 1.8983	* 3.1484	
13	* 1.5452	* 1.6515	* 1.6074	* 1.6402	* 1.4334	* .8041	* .4834	
	* 2.1592	* 2.0109	* 2.0649	* 1.9284	* 1.9005	* 2.9951	* 5.6565	
14	* 1.8077	* 1.8140	* 1.7640	* 1.6495	* .9489	* .4825		
	* 1.8311	* 1.8251	* 1.8756	* 1.9621	* 3.1567	* 5.6657		
15	* .9258	* .9303	* .8750	* .7372	F-SUB-Q			
	* 3.5631	* 3.5492	* 3.7725	* 4.4722	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 125 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0669	* 1.3954	* 1.4997	* 1.6051	* 1.8683	* 1.5536	* 1.8327	* .9314
	* 2.8147	* 2.4829	* 2.4771	* 2.2905	* 1.9557	* 2.3274	* 1.9605	* 3.8322
9	* 1.3954	* 1.6552	* 1.5196	* 1.7627	* 1.6474	* 1.6652	* 1.8395	* .9287
	* 2.4829	* 2.2082	* 2.4418	* 2.0874	* 2.2240	* 2.1663	* 1.9548	* 3.8470
10	* 1.4998	* 1.5192	* 1.6198	* 1.6406	* 1.7327	* 1.6275	* 1.7963	* .8787
	* 2.4769	* 2.4424	* 2.2879	* 2.2469	* 2.1162	* 2.2219	* 2.0054	* 4.0699
11	* 1.6051	* 1.7623	* 1.6395	* 1.6534	* 1.4348	* 1.6779	* 1.6860	* .7866
	* 2.2905	* 2.0880	* 2.2483	* 2.1920	* 2.4246	* 2.0639	* 2.0863	* 4.5541
12	* 1.8683	* 1.6469	* 1.7315	* 1.4338	* 1.1846	* 1.4686	* .9607	*
	* 1.9557	* 2.2247	* 2.1176	* 2.4265	* 2.3590	* 2.0405	* 3.4217	*
13	* 1.5536	* 1.6654	* 1.6253	* 1.6739	* 1.4660	* .8161	* .4889	*
	* 2.3274	* 2.1664	* 2.2252	* 2.0669	* 2.0427	* 3.2555	* 6.1525	*
14	* 1.8326	* 1.8397	* 1.7934	* 1.6806	* .9578	* .4880	*	*
	* 1.9605	* 1.9548	* 2.0090	* 2.0928	* 3.4305	* 6.1621	*	*
15	* .9314	* .9321	* .8775	* .7433	* F-SUB-Q			
	* 3.8321	* 3.8334	* 4.0764	* 4.8212	* M-SUB-Q			

AT 50% POWER, 125 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0758	* 1.3908	* 1.4871	* 1.5896	* 1.8446	* 1.5392	* 1.8137	* .9331
	* 3.1131	* 2.7451	* 2.7266	* 2.5103	* 2.1467	* 2.5436	* 2.1505	* 4.1465
9	* 1.3908	* 1.6397	* 1.5072	* 1.7424	* 1.6324	* 1.6519	* 1.8217	* .9396
	* 2.7451	* 2.4581	* 2.6907	* 2.2956	* 2.4336	* 2.3666	* 2.1409	* 4.1186
10	* 1.4872	* 1.5068	* 1.6083	* 1.6319	* 1.7211	* 1.6206	* 1.7848	* .8917
	* 2.7264	* 2.6915	* 2.5223	* 2.4839	* 2.3278	* 2.4181	* 2.1863	* 4.3292
11	* 1.5897	* 1.7419	* 1.6309	* 1.6441	* 1.4495	* 1.6771	* 1.6835	* .8015
	* 2.5102	* 2.2963	* 2.4856	* 2.4332	* 2.6750	* 2.2787	* 2.3061	* 4.8191
12	* 1.8446	* 1.6319	* 1.7199	* 1.4485	* 1.2027	* 1.4799	* .9894	*
	* 2.1467	* 2.4345	* 2.3297	* 2.6770	* 2.6272	* 2.2737	* 3.7008	*
13	* 1.5392	* 1.6520	* 1.6185	* 1.6733	* 1.4774	* .8464	* .5067	*
	* 2.5436	* 2.3665	* 2.4217	* 2.2818	* 2.2764	* 3.5673	* 6.7109	*
14	* 1.8137	* 1.8219	* 1.7820	* 1.6783	* .9867	* .5058	*	*
	* 2.1506	* 2.1409	* 2.1902	* 2.3130	* 3.7102	* 6.7211	*	*
15	* .9330	* .9431	* .8905	* .7571	* F-SUB-Q			
	* 4.1465	* 4.1038	* 4.3359	* 5.1047	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 125 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1039	* 1.4169	* 1.5021	* 1.6040	* 1.8755	* 1.5508	* 1.8478	* .9350
	* 3.4573	* 3.0429	* 2.9269	* 2.6933	* 2.2832	* 2.7105	* 2.2636	* 4.4209
9	* 1.4169	* 1.6778	* 1.5223	* 1.7733	* 1.6485	* 1.6704	* 1.8543	* .9309
	* 3.0429	* 2.6775	* 2.8879	* 2.4451	* 2.6098	* 2.5215	* 2.2615	* 4.4470
10	* 1.5022	* 1.5218	* 1.6305	* 1.6606	* 1.7624	* 1.6471	* 1.8247	* .8846
	* 2.9266	* 2.8888	* 2.7037	* 2.6626	* 2.4850	* 2.5890	* 2.3232	* 4.7095
11	* 1.6040	* 1.7728	* 1.6594	* 1.6811	* 1.4668	* 1.7352	* 1.7365	* .7980
	* 2.6932	* 2.4459	* 2.6645	* 2.6416	* 2.9606	* 2.4948	* 2.4878	* 5.2740
12	* 1.8755	* 1.6479	* 1.7612	* 1.4658	* 1.2489	* 1.5573	* 1.0009	*
	* 2.2832	* 2.6108	* 2.4869	* 2.9628	* 2.8927	* 2.4827	* 4.1656	*
13	* 1.5508	* 1.6706	* 1.6451	* 1.7314	* 1.5548	* .8843	* .5176	*
	* 2.7105	* 2.5214	* 2.5926	* 2.4981	* 2.4853	* 3.9934	* 7.5411	*
14	* 1.8478	* 1.8546	* 1.8221	* 1.7314	* .9982	* .5167	*	*
	* 2.2636	* 2.2611	* 2.3270	* 2.4962	* 4.1757	* 7.5524	*	*
15	* .9350	* .9344	* .8835	* .7511	F-SUB-Q			
	* 4.4208	* 4.4308	* 4.7159	* 5.6057	M-SUB-Q			

AT 50% POWER, 125 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1894	* 1.4471	* 1.5053	* 1.6024	* 1.8763	* 1.5479	* 1.8513	* .9349
	* 3.5909	* 3.1556	* 3.1793	* 2.9261	* 2.4870	* 2.9472	* 2.4578	* 4.7859
9	* 1.4471	* 1.6981	* 1.5250	* 1.7779	* 1.6480	* 1.6708	* 1.8595	* .9312
	* 3.1556	* 2.8012	* 3.1401	* 2.6604	* 2.8445	* 2.7417	* 2.4504	* 4.8137
10	* 1.5054	* 1.5245	* 1.6383	* 1.6749	* 1.7813	* 1.6577	* 1.8397	* .8875
	* 3.1790	* 3.1412	* 2.9400	* 2.8580	* 2.6882	* 2.8156	* 2.5182	* 5.0987
11	* 1.6025	* 1.7773	* 1.6737	* 1.7067	* 1.4993	* 1.7741	* 1.7698	* .8055
	* 2.9260	* 2.6613	* 2.8601	* 2.7741	* 3.0942	* 2.6242	* 2.6748	* 5.7266
12	* 1.8763	* 1.6473	* 1.7801	* 1.4982	* 1.3666	* 1.6550	* 1.0345	*
	* 2.4870	* 2.8457	* 2.6900	* 3.0965	* 3.0650	* 2.6428	* 4.4246	*
13	* 1.5479	* 1.6710	* 1.6558	* 1.7711	* 1.6529	* .9765	* .5430	*
	* 2.9472	* 2.7414	* 2.8193	* 2.6276	* 2.6456	* 4.2688	* 8.1198	*
14	* 1.8513	* 1.8598	* 1.8371	* 1.7648	* 1.0319	* .5421	*	*
	* 2.4579	* 2.4499	* 2.5221	* 2.6821	* 4.4351	* 8.1318	*	*
15	* .9349	* .9347	* .8864	* .7587	F-SUB-Q			
	* 4.7858	* 4.7961	* 5.1051	* 6.0821	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 125 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2791	* 1.4761	* 1.4956	* 1.5857	* 1.8506	* 1.5328	* 1.8284	* .9320
	* 3.6288	* 3.1894	* 3.0809	* 2.8373	* 2.4181	* 2.8949	* 2.4331	* 4.7277
9	* 1.4761	* 1.6963	* 1.5146	* 1.7580	* 1.6316	* 1.6567	* 1.8411	* .9356
	* 3.1894	* 2.8314	* 3.0429	* 2.5858	* 2.7577	* 2.7038	* 2.4348	* 4.7224
10	* 1.4957	* 1.5140	* 1.6306	* 1.6725	* 1.7764	* 1.6554	* 1.8292	* .8952
	* 3.0805	* 3.0440	* 2.8604	* 2.8205	* 2.6469	* 2.7959	* 2.5192	* 5.0347
11	* 1.5858	* 1.7573	* 1.6712	* 1.7089	* 1.5225	* 1.7955	* 1.7794	* .8184
	* 2.8371	* 2.5868	* 2.8226	* 2.7962	* 3.1212	* 2.6490	* 2.6962	* 5.7013
12	* 1.8506	* 1.6309	* 1.7752	* 1.5207	* 1.4820	* 1.7399	* 1.0771	*
	* 2.4181	* 2.7588	* 2.6483	* 3.1235	* 3.0920	* 2.6675	* 4.3781	*
13	* 1.5328	* 1.6562	* 1.6526	* 1.7932	* 1.7378	* 1.0736	* .5736	*
	* 2.8949	* 2.7034	* 2.7992	* 2.6524	* 2.6705	* 4.2414	* 8.0534	*
14	* 1.8283	* 1.8415	* 1.8267	* 1.7746	* 1.0745	* .5727	*	*
	* 2.4332	* 2.4343	* 2.5227	* 2.7034	* 4.3882	* 8.0652	*	*
15	* .9320	* .9393	* .8942	* .7737	F-SUB-Q			
	* 4.7277	* 4.7045	* 5.0398	* 6.0309	M-SUB-Q			

AT 50% POWER, 125 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3273	* 1.5163	* 1.5012	* 1.5893	* 1.8673	* 1.5351	* 1.8458	* .9273
	* 3.4869	* 3.0535	* 2.9704	* 2.7329	* 2.3119	* 2.7857	* 2.3223	* 4.5740
9	* 1.5163	* 1.7248	* 1.5199	* 1.7762	* 1.6366	* 1.6668	* 1.8650	* .9209
	* 3.0535	* 2.6969	* 2.9347	* 2.4745	* 2.6546	* 2.5969	* 2.3220	* 4.6207
10	* 1.5014	* 1.5192	* 1.6427	* 1.6910	* 1.8070	* 1.6798	* 1.8590	* .8821
	* 2.9700	* 2.9359	* 2.7527	* 2.7095	* 2.5388	* 2.6834	* 2.4011	* 4.9372
11	* 1.5894	* 1.7754	* 1.6897	* 1.7426	* 1.5505	* 1.8478	* 1.8243	* .8098
	* 2.7328	* 2.4754	* 2.7116	* 2.6731	* 2.9969	* 2.5259	* 2.5639	* 5.5990
12	* 1.8673	* 1.6358	* 1.8058	* 1.5493	* 1.5588	* 1.8233	* 1.0836	*
	* 2.3119	* 2.6558	* 2.5406	* 2.9991	* 2.9823	* 2.5480	* 4.2688	*
13	* 1.5351	* 1.6664	* 1.6770	* 1.8454	* 1.8212	* 1.1120	* .5811	*
	* 2.7857	* 2.5964	* 2.6864	* 2.5288	* 2.5505	* 4.1307	* 7.8206	*
14	* 1.8457	* 1.8643	* 1.8566	* 1.8195	* 1.0811	* .5803	*	*
	* 2.3224	* 2.3215	* 2.4042	* 2.5701	* 4.2779	* 7.8313	*	*
15	* .9273	* .9244	* .8813	* .7670	F-SUB-Q			
	* 4.5738	* 4.6033	* 4.9415	* 5.9114	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 125 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3311	* 1.5175	* 1.4898	* 1.5759	* 1.8559	* 1.5227	* 1.8378	* .9188
	* 3.2173	* 2.8154	* 2.7548	* 2.5432	* 2.1511	* 2.5963	* 2.1583	* 4.2427
9	* 1.5175	* 1.7209	* 1.5084	* 1.7672	* 1.6238	* 1.6576	* 1.8608	* .9104
	* 2.8154	* 2.4836	* 2.7241	* 2.2977	* 2.4718	* 2.4204	* 2.1576	* 4.2955
10	* 1.4900	* 1.5077	* 1.6340	* 1.6857	* 1.8064	* 1.6806	* 1.8591	* .8732
	* 2.7544	* 2.7252	* 2.5568	* 2.5147	* 2.3536	* 2.4949	* 2.2256	* 4.5840
11	* 1.5760	* 1.7664	* 1.6844	* 1.7431	* 1.5526	* 1.8601	* 1.8361	* .8046
	* 2.5430	* 2.2986	* 2.5169	* 2.4554	* 2.7565	* 2.3101	* 2.3412	* 5.1803
12	* 1.8559	* 1.6230	* 1.8052	* 1.5514	* 1.5777	* 1.8515	* 1.0878	*
	* 2.1511	* 2.4729	* 2.3551	* 2.7585	* 2.7351	* 2.3258	* 3.9256	*
13	* 1.5227	* 1.6572	* 1.6779	* 1.8578	* 1.8495	* 1.1267	* .5850	*
	* 2.5963	* 2.4198	* 2.4975	* 2.3127	* 2.3282	* 3.8019	* 7.2283	*
14	* 1.8378	* 1.8601	* 1.8567	* 1.8315	* 1.0854	* .5842	*	*
	* 2.1584	* 2.1568	* 2.2282	* 2.3468	* 3.9339	* 7.2381	*	*
15	* .9188	* .9138	* .8724	* .7624	* F-SUB-Q			
	* 4.2426	* 4.2792	* 4.5875	* 5.4660	* M-SUB-Q			

AT 50% POWER, 125 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3164	* 1.5004	* 1.4684	* 1.5516	* 1.8281	* 1.5005	* 1.8144	* .9065
	* 2.9904	* 2.6147	* 2.5235	* 2.3312	* 1.9702	* 2.3792	* 1.9738	* 3.8882
9	* 1.5004	* 1.6985	* 1.4864	* 1.7415	* 1.5995	* 1.6359	* 1.8377	* .8990
	* 2.6147	* 2.2877	* 2.4953	* 2.1047	* 2.2648	* 2.2163	* 1.9744	* 3.9331
10	* 1.4685	* 1.4857	* 1.6125	* 1.6655	* 1.7857	* 1.6643	* 1.8389	* .8639
	* 2.5232	* 2.4964	* 2.3385	* 2.2976	* 2.1502	* 2.2791	* 2.0319	* 4.1906
11	* 1.5517	* 1.7407	* 1.6642	* 1.7225	* 1.5366	* 1.8459	* 1.8235	* .7984
	* 2.3310	* 2.1056	* 2.2995	* 2.2659	* 2.5589	* 2.1393	* 2.1628	* 4.7214
12	* 1.8281	* 1.5987	* 1.7844	* 1.5354	* 1.5697	* 1.8467	* 1.0856	*
	* 1.9702	* 2.2659	* 2.1517	* 2.5608	* 2.5433	* 2.1587	* 3.6305	*
13	* 1.5005	* 1.6356	* 1.6616	* 1.8436	* 1.8447	* 1.1280	* .5847	*
	* 2.3792	* 2.2157	* 2.2814	* 2.1418	* 2.1611	* 3.5295	* 6.7234	*
14	* 1.8144	* 1.8371	* 1.8366	* 1.8189	* 1.0832	* .5839	*	*
	* 1.9738	* 1.9737	* 2.0342	* 2.1680	* 3.6383	* 6.7326	*	*
15	* .9065	* .9026	* .8631	* .7532	* F-SUB-Q			
	* 3.8881	* 3.9179	* 4.1937	* 5.0039	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 125 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2854	* 1.4640	* 1.4320	* 1.5117	* 1.7748	* 1.4639	* 1.7631	* .8895
	* 2.9086	* 2.5451	* 2.4480	* 2.2648	* 1.9202	* 2.3106	* 1.9238	* 3.7604
9	* 1.4640	* 1.6505	* 1.4496	* 1.6915	* 1.5594	* 1.5963	* 1.7907	* .8893
	* 2.5451	* 2.2239	* 2.4200	* 2.0501	* 2.1999	* 2.1512	* 1.9201	* 3.7727
10	* 1.4322	* 1.4488	* 1.5735	* 1.6252	* 1.7383	* 1.6273	* 1.7939	* .8562
	* 2.4477	* 2.4212	* 2.2661	* 2.2247	* 2.0881	* 2.2067	* 1.9696	* 4.0088
11	* 1.5118	* 1.6906	* 1.6239	* 1.6752	* 1.5012	* 1.8007	* 1.7824	* .7937
	* 2.2647	* 2.0510	* 2.2265	* 2.1960	* 2.4886	* 2.0842	* 2.0994	* 4.4942
12	* 1.7748	* 1.5584	* 1.7370	* 1.5000	* 1.5377	* 1.8082	* 1.0836	*
	* 1.9202	* 2.2010	* 2.0894	* 2.4906	* 2.4715	* 2.0988	* 3.4626	*
13	* 1.4639	* 1.5960	* 1.6247	* 1.7984	* 1.8061	* 1.1243	* .5838	*
	* 2.3106	* 2.1506	* 2.2090	* 2.0868	* 2.1011	* 3.3795	* 6.4340	*
14	* 1.7630	* 1.7900	* 1.7916	* 1.7780	* 1.0812	* .5830	*	*
	* 1.9239	* 1.9195	* 1.9720	* 2.1046	* 3.4701	* 6.4429	*	*
15	* .8895	* .8929	* .8555	* .7512	* F-SUB-Q			
	* 3.7603	* 3.7578	* 4.0117	* 4.7482	* M-SUB-Q			

AT 50% POWER, 125 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2637	* 1.4424	* 1.4079	* 1.4870	* 1.7581	* 1.4396	* 1.7483	* .8673
	* 2.7018	* 2.3561	* 2.2809	* 2.1126	* 1.7793	* 2.1594	* 1.7830	* 3.5500
9	* 1.4424	* 1.6344	* 1.4249	* 1.6744	* 1.5352	* 1.5740	* 1.7767	* .8575
	* 2.3561	* 2.0521	* 2.2547	* 1.8991	* 2.0509	* 2.0048	* 1.7782	* 3.6057
10	* 1.4081	* 1.4242	* 1.5501	* 1.6031	* 1.7225	* 1.6075	* 1.7812	* .8236
	* 2.2807	* 2.2559	* 2.1039	* 2.0616	* 1.9269	* 2.0482	* 1.8173	* 3.8300
11	* 1.4871	* 1.6735	* 1.6017	* 1.6588	* 1.4777	* 1.7881	* 1.7737	* .7634
	* 2.1124	* 1.9000	* 2.0634	* 2.0294	* 2.3021	* 1.9103	* 1.9146	* 4.2798
12	* 1.7581	* 1.5342	* 1.7213	* 1.4765	* 1.5180	* 1.7990	* 1.0443	*
	* 1.7793	* 2.0520	* 1.9284	* 2.3040	* 2.2933	* 1.9381	* 3.2871	*
13	* 1.4396	* 1.5737	* 1.6049	* 1.7859	* 1.7969	* 1.0887	* .5611	*
	* 2.1594	* 2.0043	* 2.0504	* 1.9127	* 1.9403	* 3.2001	* 6.1613	*
14	* 1.7482	* 1.7761	* 1.7789	* 1.7693	* 1.0420	* .5603	*	*
	* 1.7831	* 1.7776	* 1.8196	* 1.9194	* 3.2945	* 6.1698	*	*
15	* .8674	* .8600	* .8228	* .7237	* F-SUB-Q			
	* 3.5499	* 3.5918	* 3.8330	* 4.5149	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 125 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2249	* 1.3990	* 1.3639	* 1.4388	* 1.6999	* 1.3937	* 1.6910	* .8387 *
	* 2.5373	* 2.2243	* 2.1755	* 2.0233	* 1.7057	* 2.0713	* 1.7114	* 3.4158 *
9	* 1.3990	* 1.5829	* 1.3802	* 1.6188	* 1.4858	* 1.5253	* 1.7194	* .8282 *
	* 2.2243	* 1.9439	* 2.1508	* 1.8182	* 1.9640	* 1.9196	* 1.7049	* 3.4734 *
10	* 1.3641	* 1.3794	* 1.5030	* 1.5540	* 1.6667	* 1.5581	* 1.7246	* .7953 *
	* 2.1753	* 2.1519	* 2.0015	* 1.9584	* 1.8345	* 1.9525	* 1.7353	* 3.6802 *
11	* 1.4389	* 1.6179	* 1.5527	* 1.6038	* 1.4304	* 1.7306	* 1.7209	* .7380 *
	* 2.0232	* 1.8190	* 1.9600	* 1.9280	* 2.1871	* 1.8141	* 1.8126	* 4.0885 *
12	* 1.6999	* 1.4848	* 1.6654	* 1.4291	* 1.4722	* 1.7463	* 1.0111	*
	* 1.7057	* 1.9650	* 1.8359	* 2.1890	* 2.1501	* 1.8178	* 3.1101	*
13	* 1.3937	* 1.5249	* 1.5555	* 1.7283	* 1.7443	* 1.0561	* .5430	*
	* 2.0713	* 1.9191	* 1.9548	* 1.8165	* 1.8200	* 3.0139	* 5.8198	*
14	* 1.6910	* 1.7188	* 1.7217	* 1.7165	* 1.0089	* .5422	*	*
	* 1.7114	* 1.7044	* 1.7377	* 1.8178	* 3.1172	* 5.8281	*	*
15	* .8387	* .8306	* .7946	* .6993	* F-SUB-Q			
	* 3.4157	* 3.4601	* 3.6834	* 4.3148	* M-SUB-Q			

AT 50% POWER, 125 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1665	* 1.3305	* 1.2964	* 1.3627	* 1.5943	* 1.3223	* 1.5839	* .7987 *
	* 2.4913	* 2.1847	* 2.1356	* 2.0008	* 1.7063	* 2.0494	* 1.7149	* 3.3740 *
9	* 1.3305	* 1.4895	* 1.3119	* 1.5181	* 1.4071	* 1.4456	* 1.6111	* .7987 *
	* 2.1847	* 1.9086	* 2.1116	* 1.8123	* 1.9427	* 1.8984	* 1.7059	* 3.3822 *
10	* 1.2966	* 1.3112	* 1.4282	* 1.4734	* 1.5641	* 1.4738	* 1.6148	* .7694 *
	* 2.1353	* 2.1126	* 1.9613	* 1.9184	* 1.8157	* 1.9229	* 1.7296	* 3.5676 *
11	* 1.3628	* 1.5173	* 1.4721	* 1.5043	* 1.3550	* 1.6204	* 1.6164	* .7155 *
	* 2.0007	* 1.8132	* 1.9200	* 1.8968	* 2.1343	* 1.7926	* 1.7809	* 3.9326 *
12	* 1.5943	* 1.4061	* 1.5629	* 1.3538	* 1.3932	* 1.6432	* .9812	*
	* 1.7063	* 1.9437	* 1.8171	* 2.1359	* 2.1151	* 1.7978	* 2.9944	*
13	* 1.3223	* 1.4453	* 1.4712	* 1.6181	* 1.6412	* 1.0246	* .5287	*
	* 2.0494	* 1.8980	* 1.9253	* 1.7964	* 1.8000	* 2.8867	* 5.5697	*
14	* 1.5839	* 1.6104	* 1.6125	* 1.6120	* .9790	* .5280	*	*
	* 1.7150	* 1.7055	* 1.7321	* 1.7859	* 3.0015	* 5.5780	*	*
15	* .7999	* .8019	* .7686	* .6768	* F-SUB-Q			
	* 3.3688	* 3.3688	* 3.5712	* 4.1580	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 125 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1105	* 1.2671	* 1.2313	* 1.2902	* 1.5035	* 1.2515	* 1.4917	* .7500
	* 2.4209	* 2.1193	* 2.1196	* 1.9997	* 1.7130	* 2.0537	* 1.7269	* 3.4145
9	* 1.2671	* 1.4092	* 1.2456	* 1.4308	* 1.3321	* 1.3709	* 1.5173	* .7413
	* 2.1193	* 1.8928	* 2.0970	* 1.8164	* 1.9419	* 1.8962	* 1.7155	* 3.4622
10	* 1.2316	* 1.2451	* 1.3591	* 1.3992	* 1.4737	* 1.3934	* 1.5192	* .7126
	* 2.1192	* 2.0979	* 1.9387	* 1.8949	* 1.8081	* 1.9135	* 1.7342	* 3.6497
11	* 1.2903	* 1.4301	* 1.3981	* 1.4180	* 1.2833	* 1.5229	* 1.5228	* .6614
	* 1.9996	* 1.8173	* 1.8965	* 1.8805	* 2.1036	* 1.7799	* 1.7711	* 4.0090
12	* 1.5035	* 1.3313	* 1.4726	* 1.2822	* 1.3216	* 1.5484		* .9044
	* 1.7130	* 1.9429	* 1.8095	* 2.1055	* 2.0858	* 1.7834		* 3.0201
13	* 1.2515	* 1.3704	* 1.3908	* 1.5207	* 1.5465	* .9543	* .4888	
	* 2.0537	* 1.8959	* 1.9160	* 1.7826	* 1.7857	* 2.9230	* 5.6676	
14	* 1.4917	* 1.5165	* 1.5168	* 1.5184	* .9021	* .4881		
	* 1.7270	* 1.7152	* 1.7370	* 1.7765	* 3.0280	* 5.6766		
15	* .7511	* .7442	* .7117	* .6256	* F-SUB-Q			
	* 3.4098	* 3.4490	* 3.6543	* 4.2391	* M-SUB-Q			

AT 50% POWER, 125 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0075	* 1.1471	* 1.1107	* 1.1654	* 1.3365	* 1.1297	* 1.3232	* .6822
	* 2.5271	* 2.2219	* 2.2433	* 2.1188	* 1.8448	* 2.1823	* 1.8670	* 3.6074
9	* 1.1471	* 1.2578	* 1.1271	* 1.2728	* 1.2014	* 1.2360	* 1.3435	* .6744
	* 2.2219	* 2.0121	* 2.2123	* 1.9518	* 2.0608	* 2.0147	* 1.8551	* 3.6571
10	* 1.1108	* 1.1266	* 1.2296	* 1.2647	* 1.3102	* 1.2521	* 1.3429	* .6478
	* 2.2431	* 2.2132	* 2.0416	* 1.9928	* 1.9329	* 2.0284	* 1.8732	* 3.8485
11	* 1.1655	* 1.2722	* 1.2637	* 1.2662	* 1.1617	* 1.3469	* 1.3402	* .5961
	* 2.1188	* 1.9527	* 1.9943	* 1.9990	* 2.2077	* 1.9111	* 1.9123	* 4.2471
12	* 1.3365	* 1.2006	* 1.3093	* 1.1607	* 1.1903	* 1.3709	* .8100	
	* 1.8448	* 2.0619	* 1.9344	* 2.2095	* 2.1811	* 1.9004	* 3.1984	
13	* 1.1297	* 1.2355	* 1.2496	* 1.3449	* 1.3692	* .8614	* .4385	
	* 2.1823	* 2.0145	* 2.0313	* 1.9141	* 1.9030	* 3.0451	* 5.9673	
14	* 1.3232	* 1.3427	* 1.3406	* 1.3359	* .8078	* .4378		
	* 1.8671	* 1.8550	* 1.8765	* 1.9187	* 3.2074	* 5.9770		
15	* .6832	* .6768	* .6468	* .5623	* F-SUB-Q			
	* 3.6024	* 3.6433	* 3.8544	* 4.5033	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 125 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8027 *	* .9218 *	* .8708 *	* .9246 *	* 1.1351 *	* .8970 *	* 1.1231 *	* .5581 *
	* 3.0428 *	* 2.6478 *	* 2.7614 *	* 2.5814 *	* 2.1007 *	* 2.6573 *	* 2.1279 *	* 4.2757 *
9	* .9218 *	* 1.0921 *	* .8900 *	* 1.0962 *	* .9431 *	* .9797 *	* 1.1331 *	* .5588 *
	* 2.6478 *	* 2.2274 *	* 2.7030 *	* 2.1897 *	* 2.5340 *	* 2.4581 *	* 2.1208 *	* 4.2851 *
10	* .8709 *	* .8897 *	* .9820 *	* 1.0182 *	* 1.0815 *	* .9925 *	* 1.1275 *	* .5283 *
	* 2.7612 *	* 2.7041 *	* 2.4633 *	* 2.3817 *	* 2.2509 *	* 2.4659 *	* 2.1519 *	* 4.5685 *
11	* .9246 *	* 1.0958 *	* 1.0175 *	* 1.1098 *	* .9369 *	* 1.1395 *	* 1.0356 *	* .4742 *
	* 2.5813 *	* 2.1906 *	* 2.3833 *	* 2.1965 *	* 2.6248 *	* 2.1674 *	* 2.3788 *	* 5.1569 *
12	* 1.1351 *	* .9427 *	* 1.0808 *	* .9362 *	* .9477 *	* 1.1011 *	* .6450 *	
	* 2.1007 *	* 2.5352 *	* 2.2526 *	* 2.6268 *	* 2.6322 *	* 2.2755 *	* 3.8719 *	
13	* .8970 *	* .9792 *	* .9904 *	* 1.1379 *	* 1.0998 *	* .6917 *	* .3468 *	
	* 2.6573 *	* 2.4581 *	* 2.4712 *	* 2.1706 *	* 2.2784 *	* 3.6430 *	* 7.2597 *	
14	* 1.1231 *	* 1.1324 *	* 1.1268 *	* 1.0320 *	* .6431 *	* .3462 *		
	* 2.1279 *	* 2.1207 *	* 2.1559 *	* 2.3875 *	* 3.8837 *	* 7.2720 *		
15	* .5581 *	* .5600 *	* .5273 *	* .4485 *	F-SUB-Q			
	* 4.2758 *	* 4.2760 *	* 4.5767 *	* 5.4525 *	M-SUB-Q			

AT 50% POWER, 125 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .3604 *	* .3852 *	* .3634 *	* .3966 *	* .4718 *	* .3966 *	* .4354 *	* .2512 *
	* 6.5259 *	* 6.0977 *	* 6.3914 *	* 5.8234 *	* 4.8871 *	* 5.8388 *	* 5.3104 *	* 9.2244 *
9	* .3852 *	* .4458 *	* .3811 *	* .4712 *	* .4017 *	* .4026 *	* .4381 *	* .2403 *
	* 6.0977 *	* 5.2533 *	* 6.1025 *	* 4.9275 *	* 5.7803 *	* 5.7792 *	* 5.2955 *	* 9.6463 *
10	* .3633 *	* .3810 *	* .4153 *	* .4365 *	* .4768 *	* .4081 *	* .4350 *	* .2291 *
	* 6.3922 *	* 6.1045 *	* 5.6399 *	* 5.3644 *	* 4.9284 *	* 5.7877 *	* 5.3862 *	* 10.2034 *
11	* .3966 *	* .4710 *	* .4363 *	* .4830 *	* .4113 *	* .4679 *	* .4122 *	* .2020 *
	* 5.8233 *	* 4.9296 *	* 5.3668 *	* 4.8640 *	* 5.7367 *	* 5.0815 *	* 5.7540 *	* 11.7140 *
12	* .4718 *	* .4015 *	* .4765 *	* .4111 *	* .3950 *	* .4237 *	* .2781 *	
	* 4.8871 *	* 5.7827 *	* 4.9316 *	* 5.7404 *	* 6.0606 *	* 5.7079 *	* 8.6707 *	
13	* .3966 *	* .4023 *	* .4075 *	* .4672 *	* .4232 *	* .2928 *	* .1539 *	
	* 5.8388 *	* 5.7799 *	* 5.7956 *	* 5.0894 *	* 5.7155 *	* 8.3108 *	* 15.8271 *	
14	* .4354 *	* .4377 *	* .4342 *	* .4109 *	* .2773 *	* .1536 *		
	* 5.3104 *	* 5.2958 *	* 5.3973 *	* 5.7727 *	* 8.6985 *	* 15.8593 *		
15	* .2514 *	* .2410 *	* .2287 *	* .1914 *	F-SUB-Q			
	* 9.2186 *	* 9.6180 *	* 10.2220 *	* 12.3696 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .3050 *	* .3933 *	* .4155 *	* .4669 *	* .5366 *	* .4388 *	* .3762 *	* .2169 *
	* 5.5697 *	* 5.6105 *	* 5.6119 *	* 5.0912 *	* 4.4286 *	* 5.1984 *	* 4.8475 *	* 7.9102 *
9	* .3933 *	* .4412 *	* .4134 *	* .5232 *	* .4690 *	* .4525 *	* .4552 *	* .2533 *
	* 5.6105 *	* 5.0585 *	* 5.4353 *	* 4.5053 *	* 5.0638 *	* 5.1407 *	* 4.8607 *	* 8.3150 *
10	* .4155 *	* .4136 *	* .3777 *	* .4583 *	* .5185 *	* .4582 *	* .4685 *	* .2592 *
	* 5.6122 *	* 5.4369 *	* 5.1453 *	* 5.0069 *	* 4.5626 *	* 5.2141 *	* 4.9971 *	* 8.7927 *
11	* .4669 *	* .5233 *	* .4581 *	* .4809 *	* .4319 *	* .4790 *	* .4380 *	* .2314 *
	* 5.0914 *	* 4.5043 *	* 5.0082 *	* 4.7041 *	* 5.2694 *	* 4.8887 *	* 5.5067 *	* 10.3369 *
12	* .5366 *	* .4690 *	* .5183 *	* .4316 *	* .3319 *	* .3748 *	* .2794 *	
	* 4.4286 *	* 5.0638 *	* 4.5643 *	* 5.2728 *	* 5.3273 *	* 5.2481 *	* 7.9943 *	
13	* .4388 *	* .4522 *	* .4577 *	* .4780 *	* .3738 *	* .2384 *	* .1555 *	
	* 5.1984 *	* 5.1424 *	* 5.2197 *	* 4.8955 *	* 5.2563 *	* 7.1684 *	* 12.9218 *	
14	* .3762 *	* .4545 *	* .4672 *	* .4361 *	* .2781 *	* .1552 *		
	* 4.8475 *	* 4.8624 *	* 5.0094 *	* 5.5406 *	* 8.0228 *	* 12.9423 *		
15	* .2171 *	* .2523 *	* .2575 *	* .2191 *	F-SUB-Q			
	* 7.9095 *	* 8.3092 *	* 8.8204 *	* 10.9104 *	M-SUB-Q			

AT 50% POWER, 250 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .6613 *	* .8908 *	* .9503 *	* 1.0431 *	* 1.2130 *	* .9808 *	* .9067 *	* .4855 *
	* 2.8354 *	* 2.5789 *	* 2.5755 *	* 2.3842 *	* 2.0501 *	* 2.4357 *	* 2.0933 *	* 3.7934 *
9	* .8908 *	* 1.0280 *	* .9303 *	* 1.1545 *	* 1.0557 *	* 1.0315 *	* 1.1120 *	* .5893 *
	* 2.5789 *	* 2.2796 *	* 2.5355 *	* 2.1301 *	* 2.3535 *	* 2.3132 *	* 2.0888 *	* 3.7619 *
10	* .9503 *	* .9305 *	* .8587 *	* 1.0162 *	* 1.1251 *	* 1.0417 *	* 1.1391 *	* .6018 *
	* 2.5755 *	* 2.5359 *	* 2.3764 *	* 2.3392 *	* 2.2009 *	* 2.3695 *	* 2.1443 *	* 3.9588 *
11	* 1.0431 *	* 1.1547 *	* 1.0157 *	* 1.0593 *	* .9496 *	* 1.0914 *	* 1.0164 *	* .5518 *
	* 2.3843 *	* 2.1298 *	* 2.3399 *	* 2.2206 *	* 2.4860 *	* 2.2166 *	* 2.4641 *	* 4.5125 *
12	* 1.2130 *	* 1.0556 *	* 1.1244 *	* .9490 *	* .7587 *	* .9023 *	* .6391 *	
	* 2.0501 *	* 2.3536 *	* 2.2018 *	* 2.4870 *	* 2.4394 *	* 2.2467 *	* 3.6063 *	
13	* .9808 *	* 1.0309 *	* 1.0406 *	* 1.0895 *	* .9003 *	* .5400 *	* .3482 *	
	* 2.4357 *	* 2.3137 *	* 2.3733 *	* 2.2191 *	* 2.2493 *	* 3.2636 *	* 5.9492 *	
14	* .9067 *	* 1.1105 *	* 1.1362 *	* 1.0148 *	* .6365 *	* .3474 *		
	* 2.0933 *	* 2.0893 *	* 2.1491 *	* 2.4693 *	* 3.6174 *	* 5.9578 *		
15	* .4859 *	* .5884 *	* .5984 *	* .5150 *	F-SUB-Q			
	* 3.7934 *	* 3.7575 *	* 3.9697 *	* 4.8321 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8277	* 1.1016	* 1.1952	* 1.3064	* 1.4919	* 1.2333	* 1.2208	* .6685
	* 2.4287	* 2.1837	* 2.1420	* 1.9830	* 1.7342	* 2.0337	* 1.7555	* 3.1532
9	* 1.1016	* 1.2520	* 1.1809	* 1.4039	* 1.3335	* 1.2986	* 1.3926	* .7490
	* 2.1837	* 1.9726	* 2.0996	* 1.8306	* 1.9414	* 1.9170	* 1.7531	* 3.1140
10	* 1.1952	* 1.1810	* 1.1425	* 1.2634	* 1.3764	* 1.3036	* 1.4073	* .7559
	* 2.1420	* 2.0995	* 1.9840	* 1.9599	* 1.8738	* 1.9691	* 1.8081	* 3.2763
11	* 1.3063	* 1.4040	* 1.2627	* 1.2796	* 1.1749	* 1.3355	* 1.2859	* .6907
	* 1.9832	* 1.8305	* 1.9605	* 1.9268	* 2.0914	* 1.8695	* 2.0024	* 3.7335
12	* 1.4919	* 1.3334	* 1.3756	* 1.1742	* .9479	* 1.1238	* .8085	*
	* 1.7342	* 1.9414	* 1.8745	* 2.0923	* 2.0579	* 1.8683	* 2.9343	*
13	* 1.2333	* 1.2977	* 1.3016	* 1.3334	* 1.1216	* .6687	* .4374	*
	* 2.0337	* 1.9173	* 1.9719	* 1.8715	* 1.8698	* 2.7203	* 4.8699	*
14	* 1.2208	* 1.3911	* 1.4042	* 1.2808	* .8057	* .4365	*	*
	* 1.7556	* 1.7533	* 1.8116	* 2.0114	* 2.9421	* 4.8773	*	*
15	* .6692	* .7472	* .7539	* .6501	* F-SUB-Q			
	* 3.1497	* 3.1051	* 3.2837	* 3.9657	* M-SUB-Q			

AT 50% POWER, 250 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9125	* 1.2284	* 1.3378	* 1.4625	* 1.7158	* 1.3976	* 1.5678	* .8243
	* 2.3162	* 2.0665	* 2.0178	* 1.8586	* 1.5806	* 1.9020	* 1.5838	* 2.9585
9	* 1.2284	* 1.4668	* 1.3392	* 1.6210	* 1.4953	* 1.4796	* 1.6462	* .8484
	* 2.0665	* 1.8037	* 1.9733	* 1.6670	* 1.8157	* 1.7821	* 1.5833	* 2.9621
10	* 1.3379	* 1.3392	* 1.3653	* 1.4373	* 1.5859	* 1.4689	* 1.6356	* .8406
	* 2.0176	* 1.9732	* 1.8627	* 1.8280	* 1.7053	* 1.8312	* 1.6339	* 3.1303
11	* 1.4625	* 1.6211	* 1.4366	* 1.5112	* 1.3135	* 1.5322	* 1.4751	* .7516
	* 1.8587	* 1.6671	* 1.8288	* 1.7478	* 1.9631	* 1.6978	* 1.7945	* 3.5769
12	* 1.7158	* 1.4952	* 1.5853	* 1.3127	* 1.0516	* 1.2773	* .8785	*
	* 1.5806	* 1.8157	* 1.7059	* 1.9639	* 1.9297	* 1.7026	* 2.8025	*
13	* 1.3976	* 1.4788	* 1.4669	* 1.5287	* 1.2751	* .7219	* .4697	*
	* 1.9020	* 1.7821	* 1.8335	* 1.6993	* 1.7036	* 2.6153	* 4.7000	*
14	* 1.5678	* 1.6449	* 1.6327	* 1.4702	* .8757	* .4688	*	*
	* 1.5839	* 1.5833	* 1.6366	* 1.8016	* 2.8089	* 4.7067	*	*
15	* .8243	* .8499	* .8389	* .7060	* F-SUB-Q			
	* 2.9585	* 2.9531	* 3.1358	* 3.8081	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9562	* 1.2821	* 1.3990	* 1.5312	* 1.8177	* 1.4759	* 1.7715	* .9277
	* 2.3662	* 2.1028	* 2.0484	* 1.8739	* 1.5732	* 1.9136	* 1.5677	* 2.9639
9	* 1.2821	* 1.5736	* 1.4206	* 1.7261	* 1.5672	* 1.5718	* 1.7816	* .9329
	* 2.1028	* 1.8036	* 2.0009	* 1.6552	* 1.8272	* 1.7925	* 1.5679	* 2.9605
10	* 1.3990	* 1.4206	* 1.4964	* 1.5369	* 1.6863	* 1.5433	* 1.7464	* .8960
	* 2.0483	* 2.0008	* 1.8873	* 1.8411	* 1.6890	* 1.8333	* 1.6133	* 3.1301
11	* 1.5311	* 1.7261	* 1.5362	* 1.6329	* 1.3791	* 1.6210	* 1.5553	* .7869
	* 1.8739	* 1.6553	* 1.8420	* 1.7315	* 1.9810	* 1.6874	* 1.7565	* 3.5375
12	* 1.8177	* 1.5671	* 1.6857	* 1.3785	* 1.1027	* 1.3418		* .9168
	* 1.5732	* 1.8274	* 1.6896	* 1.9818	* 1.9524	* 1.7013		* 2.8114
13	* 1.4759	* 1.5719	* 1.5416	* 1.6179	* 1.3398	* .7476		* .4847
	* 1.9136	* 1.7923	* 1.8354	* 1.6887	* 1.7023	* 2.6444		* 4.7669
14	* 1.7715	* 1.7817	* 1.7439	* 1.5508	* .9143	* .4838		
	* 1.5677	* 1.5677	* 1.6156	* 1.7626	* 2.8171	* 4.7732		
15	* .9276	* .9359	* .8947	* .7407	* F-SUB-Q			
	* 2.9640	* 2.9509	* 3.1348	* 3.7616	* M-SUB-Q			

AT 50% POWER, 250 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9770	* 1.3099	* 1.4215	* 1.5564	* 1.8577	* 1.5106	* 1.8479	* .9701
	* 2.4791	* 2.1996	* 2.1355	* 1.9401	* 1.6183	* 1.9802	* 1.6103	* 3.0546
9	* 1.3099	* 1.6141	* 1.4516	* 1.7680	* 1.5942	* 1.6136	* 1.8495	* .9788
	* 2.1996	* 1.8722	* 2.0846	* 1.7056	* 1.8874	* 1.8547	* 1.6098	* 3.0322
10	* 1.4216	* 1.4515	* 1.5340	* 1.5742	* 1.7259	* 1.5724	* 1.7942	* .9273
	* 2.1354	* 2.0847	* 1.9646	* 1.9109	* 1.7277	* 1.8791	* 1.6445	* 3.2047
11	* 1.5564	* 1.7680	* 1.5735	* 1.6811	* 1.4140	* 1.6540	* 1.5783	* .8060
	* 1.9401	* 1.7059	* 1.9119	* 1.7837	* 2.0613	* 1.7182	* 1.7960	* 3.5792
12	* 1.8577	* 1.5941	* 1.7254	* 1.4133	* 1.1254	* 1.3631		* .9365
	* 1.6183	* 1.8876	* 1.7284	* 2.0621	* 2.0414	* 1.7680		* 2.9028
13	* 1.5106	* 1.6138	* 1.5710	* 1.6512	* 1.3613	* .7595		* .4915
	* 1.9802	* 1.8545	* 1.8812	* 1.7218	* 1.7690	* 2.7566		* 4.9757
14	* 1.8478	* 1.8499	* 1.7921	* 1.5743	* .9342			* .4907
	* 1.6103	* 1.6094	* 1.6469	* 1.8015	* 2.9083			* 4.9820
15	* .9714	* .9821	* .9263	* .7610	* F-SUB-Q			
	* 3.0506	* 3.0220	* 3.2086	* 3.7947	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9792	* 1.3131	* 1.4317	* 1.5694	* 1.8866	* 1.5319	* 1.8956	* .9866
	* 2.6131	* 2.3095	* 2.2161	* 2.0100	* 1.6639	* 2.0473	* 1.6521	* 3.1727
9	* 1.3131	* 1.6422	* 1.4641	* 1.7988	* 1.6085	* 1.6355	* 1.8943	* .9864
	* 2.3095	* 1.9362	* 2.1656	* 1.7483	* 1.9538	* 1.9109	* 1.6465	* 3.1711
10	* 1.4317	* 1.4639	* 1.5501	* 1.5927	* 1.7551	* 1.5892	* 1.8304	* .9308
	* 2.2160	* 2.1659	* 2.0372	* 1.9711	* 1.7771	* 1.9418	* 1.6809	* 3.3181
11	* 1.5694	* 1.7986	* 1.5919	* 1.7136	* 1.4204	* 1.6807	* 1.6007	* .8039
	* 2.0100	* 1.7485	* 1.9722	* 1.8240	* 2.1589	* 1.7680	* 1.8510	* 3.7356
12	* 1.8866	* 1.6083	* 1.7545	* 1.4197	* 1.1307	* 1.3832		* .9323
	* 1.6639	* 1.9541	* 1.7777	* 2.1598	* 2.1565	* 1.8522		* 3.0906
13	* 1.5319	* 1.6358	* 1.5879	* 1.6781	* 1.3815	* .7571	* .4871	*
	* 2.0473	* 1.9106	* 1.9437	* 1.7715	* 1.8532	* 2.9415	* 5.3362	*
14	* 1.8955	* 1.8949	* 1.8286	* 1.5969	* .9302	* .4864		*
	* 1.6521	* 1.6462	* 1.6830	* 1.8563	* 3.0962	* 5.3425		*
15	* .9879	* .9899	* .9300	* .7582	* F-SUB-Q			
	* 3.1685	* 3.1604	* 3.3218	* 3.9641	* M-SUB-Q			

AT 50% POWER, 250 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9810	* 1.3088	* 1.4248	* 1.5629	* 1.8856	* 1.5301	* 1.9045	* .9892
	* 2.8071	* 2.4795	* 2.3642	* 2.1353	* 1.7601	* 2.1610	* 1.7297	* 3.3230
9	* 1.3088	* 1.6433	* 1.4574	* 1.8000	* 1.6024	* 1.6330	* 1.9023	* .9877
	* 2.4795	* 2.0541	* 2.3073	* 1.8548	* 2.0726	* 2.0200	* 1.7281	* 3.3291
10	* 1.4249	* 1.4572	* 1.5442	* 1.5892	* 1.7562	* 1.5856	* 1.8358	* .9296
	* 2.3640	* 2.3077	* 2.1682	* 2.0986	* 1.8686	* 2.0469	* 1.7680	* 3.5130
11	* 1.5629	* 1.7997	* 1.5883	* 1.7174	* 1.4177	* 1.6834	* 1.6009	* .8006
	* 2.1353	* 1.8551	* 2.0998	* 1.9365	* 2.3101	* 1.8685	* 1.9573	* 3.9424
12	* 1.8856	* 1.6021	* 1.7556	* 1.4171	* 1.1341	* 1.3864		* .9295
	* 1.7601	* 2.0731	* 1.8695	* 2.3116	* 2.3054	* 1.9717		* 3.3014
13	* 1.5301	* 1.6334	* 1.5845	* 1.6810	* 1.3849	* .7591	* .4847	*
	* 2.1610	* 2.0196	* 2.0491	* 1.8718	* 1.9727	* 3.1599	* 5.7374	*
14	* 1.9045	* 1.9030	* 1.8341	* 1.5976	* .9276	* .4840		*
	* 1.7297	* 1.7276	* 1.7704	* 1.9622	* 3.3070	* 5.7440		*
15	* .9905	* .9912	* .9290	* .7555	* F-SUB-Q			
	* 3.3185	* 3.3175	* 3.5162	* 4.1807	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9860	* 1.3021	* 1.4168	* 1.5541	* 1.8833	* 1.5232	* 1.9081	* .9850
	* 3.0764	* 2.7075	* 2.5246	* 2.2750	* 1.8662	* 2.3203	* 1.8534	* 3.5784
9	* 1.3021	* 1.6450	* 1.4487	* 1.7997	* 1.5938	* 1.6269	* 1.9055	* .9790
	* 2.7075	* 2.1990	* 2.4746	* 1.9630	* 2.2074	* 2.1575	* 1.8418	* 3.6029
10	* 1.4169	* 1.4485	* 1.5368	* 1.5837	* 1.7561	* 1.5795	* 1.8384	* .9202
	* 2.5244	* 2.4751	* 2.3265	* 2.2386	* 1.9906	* 2.1785	* 1.8659	* 3.7485
11	* 1.5542	* 1.7995	* 1.5828	* 1.7200	* 1.4084	* 1.6861	* 1.6011	* .7911
	* 2.2749	* 1.9634	* 2.2400	* 2.0527	* 2.4835	* 2.0059	* 2.1019	* 4.2548
12	* 1.8833	* 1.5936	* 1.7556	* 1.4077	* 1.1411	* 1.3941		* .9210
	* 1.8662	* 2.2079	* 1.9914	* 2.4850	* 2.5177	* 2.1378		* 3.6186
13	* 1.5232	* 1.6274	* 1.5784	* 1.6839	* 1.3927	* .7616	* .4807	
	* 2.3203	* 2.1571	* 2.1805	* 2.0092	* 2.1390	* 3.4638	* 6.2928	
14	* 1.9080	* 1.9063	* 1.8369	* 1.5979	* .9192	* .4801		
	* 1.8534	* 1.8413	* 1.8680	* 2.1069	* 3.6244	* 6.2997		
15	* .9864	* .9826	* .9196	* .7502	* F-SUB-Q			
	* 3.5734	* 3.5900	* 3.7523	* 4.4893	* M-SUB-Q			

AT 50% POWER, 250 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9919	* 1.2939	* 1.3906	* 1.5236	* 1.8410	* 1.4958	* 1.8681	* .9772
	* 3.4233	* 3.0052	* 2.7780	* 2.5085	* 2.0626	* 2.5159	* 2.0071	* 3.8244
9	* 1.2939	* 1.6106	* 1.4218	* 1.7594	* 1.5626	* 1.5970	* 1.8656	* .9815
	* 3.0052	* 2.4226	* 2.7154	* 2.1706	* 2.4340	* 2.3491	* 2.0037	* 3.8064
10	* 1.3907	* 1.4215	* 1.5100	* 1.5545	* 1.7182	* 1.5506	* 1.8002	* .9231
	* 2.7778	* 2.7160	* 2.5503	* 2.4658	* 2.2083	* 2.3997	* 2.0567	* 4.0061
11	* 1.5236	* 1.7591	* 1.5536	* 1.6846	* 1.4031	* 1.6532	* 1.5690	* .7943
	* 2.5085	* 2.1711	* 2.4674	* 2.2729	* 2.7267	* 2.2396	* 2.3447	* 4.6015
12	* 1.8410	* 1.5623	* 1.7177	* 1.4025	* 1.1435	* 1.3732		* .9286
	* 2.0626	* 2.4346	* 2.2092	* 2.7281	* 2.8264	* 2.4031		* 3.9471
13	* 1.4958	* 1.5975	* 1.5497	* 1.6511	* 1.3719	* .7731	* .4856	
	* 2.5159	* 2.3485	* 2.4018	* 2.2430	* 2.4044	* 3.8069	* 6.8873	
14	* 1.8681	* 1.8664	* 1.7989	* 1.5660	* .9269	* .4849		
	* 2.0072	* 2.0031	* 2.0588	* 2.3500	* 3.9534	* 6.8947		
15	* .9786	* .9852	* .9226	* .7523	* F-SUB-Q			
	* 3.8191	* 3.7927	* 4.0091	* 4.8608	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9802	* 1.2797	* 1.3859	* 1.5194	* 1.8493	* 1.4905	* 1.8808	* .9688
	* 3.7938	* 3.3286	* 3.0763	* 2.7773	* 2.2665	* 2.7634	* 2.1772	* 4.1973
9	* 1.2797	* 1.6221	* 1.4167	* 1.7703	* 1.5586	* 1.5941	* 1.8785	* .9616
	* 3.3286	* 2.6549	* 3.0074	* 2.3849	* 2.6944	* 2.5806	* 2.1780	* 4.2315
10	* 1.3861	* 1.4164	* 1.5050	* 1.5548	* 1.7289	* 1.5495	* 1.8143	* .9035
	* 3.0760	* 3.0081	* 2.8248	* 2.7303	* 2.4323	* 2.6539	* 2.2511	* 4.4903
11	* 1.5195	* 1.7700	* 1.5538	* 1.6976	* 1.3862	* 1.6677	* 1.5807	* .7767
	* 2.7772	* 2.3855	* 2.7320	* 2.5027	* 3.0696	* 2.4737	* 2.5906	* 5.2065
12	* 1.8493	* 1.5582	* 1.7284	* 1.3856	* 1.1366	* 1.3876		* .9103
	* 2.2665	* 2.6950	* 2.4332	* 3.0712	* 3.1263	* 2.6389		* 4.4617
13	* 1.4905	* 1.5947	* 1.5486	* 1.6657	* 1.3863	* .7639	* .4762	*
	* 2.7634	* 2.5798	* 2.6560	* 2.4772	* 2.6403	* 4.3026	* 7.8083	*
14	* 1.8807	* 1.8794	* 1.8131	* 1.5778	* .9087	* .4756		*
	* 2.1772	* 2.1772	* 2.2531	* 2.5961	* 4.4685	* 7.8165		*
15	* .9702	* .9653	* .9031	* .7332	* F-SUB-Q			
	* 4.1914	* 4.2161	* 4.4930	* 5.5178	* M-SUB-Q			

AT 50% POWER, 250 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9753	* 1.2709	* 1.3742	* 1.5056	* 1.8356	* 1.4767	* 1.8689	* .9620
	* 3.9876	* 3.4901	* 3.4761	* 3.1443	* 2.5621	* 3.1225	* 2.4508	* 4.7140
9	* 1.2709	* 1.6137	* 1.4045	* 1.7592	* 1.5446	* 1.5817	* 1.8672	* .9552
	* 3.4901	* 2.9131	* 3.4041	* 2.6980	* 3.0500	* 2.9132	* 2.4542	* 4.7536
10	* 1.3743	* 1.4041	* 1.4933	* 1.5447	* 1.7191	* 1.5384	* 1.8059	* .8978
	* 3.4758	* 3.4049	* 3.2051	* 3.0973	* 2.7530	* 2.9998	* 2.5373	* 5.0515
11	* 1.5056	* 1.7588	* 1.5437	* 1.6902	* 1.3795	* 1.6637	* 1.5762	* .7728
	* 3.1443	* 2.6987	* 3.0993	* 2.7795	* 3.3062	* 2.7478	* 2.9260	* 5.8608
12	* 1.8356	* 1.5442	* 1.7187	* 1.3788	* 1.1334	* 1.3877		* .9097
	* 2.5621	* 3.0508	* 2.7540	* 3.3076	* 3.3552	* 2.8534		* 4.8214
13	* 1.4767	* 1.5811	* 1.5376	* 1.6618	* 1.3865	* .7655	* .4766	*
	* 3.1225	* 2.9144	* 3.0020	* 2.7492	* 2.8548	* 4.6651	* 8.5175	*
14	* 1.8688	* 1.8681	* 1.8047	* 1.5735	* .9081	* .4761		*
	* 2.4508	* 2.4532	* 2.5394	* 2.9319	* 4.8283	* 8.5259		*
15	* .9633	* .9588	* .8975	* .7301	* F-SUB-Q			
	* 4.7074	* 4.7359	* 5.0543	* 6.2065	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9795	* 1.2703	* 1.3578	* 1.4847	* 1.8056	* 1.4566	* 1.8391	* .9560
	* 3.9565	* 3.4636	* 3.3923	* 3.0790	* 2.5345	* 3.1282	* 2.4905	* 4.7460
9	* 1.2703	* 1.5931	* 1.3877	* 1.7320	* 1.5231	* 1.5590	* 1.8381	* .9571
	* 3.4636	* 2.8979	* 3.3250	* 2.6609	* 3.0027	* 2.9360	* 2.4991	* 4.7465
10	* 1.3579	* 1.3873	* 1.4828	* 1.5280	* 1.6954	* 1.5214	* 1.7816	* .9013
	* 3.3920	* 3.3258	* 3.1446	* 3.0526	* 2.7471	* 3.0496	* 2.6091	* 5.0830
11	* 1.4847	* 1.7316	* 1.5270	* 1.6698	* 1.3816	* 1.6483	* 1.5611	* .7783
	* 3.0788	* 2.6613	* 3.0546	* 2.7644	* 3.2793	* 2.7318	* 2.9589	* 5.9623
12	* 1.8056	* 1.5227	* 1.6950	* 1.3810	* 1.1372	* 1.3829		* .9233
	* 2.5345	* 3.0034	* 2.7478	* 3.2807	* 3.3412	* 2.8510		* 4.6984
13	* 1.4566	* 1.5596	* 1.5206	* 1.6466	* 1.3818	* .7799	* .4859	
	* 3.1282	* 2.9348	* 3.0511	* 2.7331	* 2.8524	* 4.5801	* 8.3189	
14	* 1.8390	* 1.8391	* 1.7806	* 1.5587	* .9218	* .4853		
	* 2.4906	* 2.4978	* 2.6106	* 2.9633	* 4.7048	* 8.3271		
15	* .9573	* .9609	* .9011	* .7379	F-SUB-Q			
	* 4.7393	* 4.7287	* 5.0840	* 6.2881	M-SUB-Q			

AT 50% POWER, 250 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9867	* 1.2758	* 1.3637	* 1.4893	* 1.8227	* 1.4578	* 1.8585	* .9515
	* 3.7943	* 3.3192	* 3.2004	* 2.9022	* 2.3725	* 2.9497	* 2.3249	* 4.4982
9	* 1.2758	* 1.6217	* 1.3934	* 1.7535	* 1.5281	* 1.5648	* 1.8589	* .9419
	* 3.3192	* 2.7506	* 3.1376	* 2.4884	* 2.8298	* 2.7625	* 2.3329	* 4.5515
10	* 1.3639	* 1.3930	* 1.4865	* 1.5434	* 1.7211	* 1.5317	* 1.8082	* .8875
	* 3.2001	* 3.1385	* 2.9636	* 2.8702	* 2.5688	* 2.8707	* 2.4350	* 4.8832
11	* 1.4893	* 1.7531	* 1.5423	* 1.7006	* 1.3830	* 1.6852	* 1.5930	* .7683
	* 2.9021	* 2.4889	* 2.8721	* 2.6300	* 3.1713	* 2.6268	* 2.8300	* 5.7377
12	* 1.8227	* 1.5276	* 1.7206	* 1.3824	* 1.1548	* 1.4300		* .9231
	* 2.3725	* 2.8306	* 2.5695	* 3.1726	* 3.2328	* 2.7268		* 4.6000
13	* 1.4578	* 1.5655	* 1.5310	* 1.6835	* 1.4289	* .7952	* .4889	
	* 2.9497	* 2.7612	* 2.8720	* 2.6279	* 2.7279	* 4.4566	* 8.0765	
14	* 1.8585	* 1.8599	* 1.8073	* 1.5906	* .9217	* .4883		
	* 2.3249	* 2.3316	* 2.4363	* 2.8345	* 4.6056	* 8.0836		
15	* .9528	* .9456	* .8874	* .7303	F-SUB-Q			
	* 4.4917	* 4.5343	* 4.8837	* 6.0355	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0398	* 1.3009	* 1.3677	* 1.4888	* 1.8259	* 1.4543	* 1.8619	* .9489 *
	* 3.4244	* 2.9938	* 2.9867	* 2.7251	* 2.2300	* 2.7831	* 2.1868	* 4.2222 *
9	* 1.3008	* 1.6452	* 1.3969	* 1.7619	* 1.5280	* 1.5632	* 1.8640	* .9371 *
	* 2.9938	* 2.4895	* 2.9315	* 2.3308	* 2.6601	* 2.6049	* 2.1940	* 4.2812 *
10	* 1.3678	* 1.3964	* 1.4943	* 1.5562	* 1.7378	* 1.5383	* 1.8215	* .8848 *
	* 2.9864	* 2.9323	* 2.7697	* 2.6686	* 2.3989	* 2.6951	* 2.2815	* 4.5809 *
11	* 1.4889	* 1.7615	* 1.5551	* 1.7254	* 1.4044	* 1.7184	* 1.6200	* .7697 *
	* 2.7251	* 2.3312	* 2.6705	* 2.3823	* 2.8564	* 2.3537	* 2.5445	* 5.3517 *
12	* 1.8259	* 1.5276	* 1.7373	* 1.4037	* 1.2247	* 1.5020		* .9448 *
	* 2.2300	* 2.6608	* 2.3995	* 2.8576	* 2.9104	* 2.4450		* 4.1521 *
13	* 1.4543	* 1.5640	* 1.5377	* 1.7168	* 1.5011	* .8550	* .5065	
	* 2.7830	* 2.6036	* 2.6960	* 2.3547	* 2.4461	* 4.0287	* 7.3282	
14	* 1.8619	* 1.8651	* 1.8206	* 1.6177	* .9434	* .5060		
	* 2.1869	* 2.1927	* 2.2824	* 2.5477	* 4.1572	* 7.3347		
15	* .9503	* .9408	* .8847	* .7319	F-SUB-Q			
	* 4.2160	* 4.2650	* 4.5810	* 5.6257	M-SUB-Q			

AT 50% POWER, 250 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1336	* 1.3352	* 1.3733	* 1.4879	* 1.8254	* 1.4502	* 1.8593	* .9477 *
	* 3.1147	* 2.7205	* 2.6697	* 2.4375	* 1.9914	* 2.4906	* 1.9557	* 3.7743 *
9	* 1.3352	* 1.6694	* 1.4018	* 1.7662	* 1.5275	* 1.5610	* 1.8630	* .9374 *
	* 2.7205	* 2.2558	* 2.6198	* 2.0810	* 2.3789	* 2.3291	* 1.9602	* 3.8222 *
10	* 1.3734	* 1.4013	* 1.5074	* 1.5704	* 1.7553	* 1.5462	* 1.8294	* .8876 *
	* 2.6695	* 2.6206	* 2.4723	* 2.3910	* 2.1421	* 2.4046	* 2.0330	* 4.0855 *
11	* 1.4880	* 1.7658	* 1.5693	* 1.7494	* 1.4378	* 1.7581	* 1.6451	* .7770 *
	* 2.4374	* 2.0814	* 2.3927	* 2.1598	* 2.5949	* 2.1340	* 2.3042	* 4.7626 *
12	* 1.8254	* 1.5270	* 1.7549	* 1.4371	* 1.3441	* 1.6166	* .9779	
	* 1.9914	* 2.3796	* 2.1427	* 2.5960	* 2.6506	* 2.2229	* 3.7616	
13	* 1.4502	* 1.5618	* 1.5450	* 1.7572	* 1.6157	* .9485	* .5327	
	* 2.4906	* 2.3279	* 2.4054	* 2.1348	* 2.2239	* 3.6633	* 6.6756	
14	* 1.8593	* 1.8641	* 1.8287	* 1.6429	* .9766	* .5322		
	* 1.9557	* 1.9590	* 2.0338	* 2.3070	* 3.7660	* 6.6814		
15	* .9491	* .9412	* .8876	* .7353	F-SUB-Q			
	* 3.7688	* 3.8075	* 4.0854	* 5.0318	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1968	* 1.3759	* 1.3720	* 1.4797	* 1.8094	* 1.4401	* 1.8400	* .9466
	* 2.9624	* 2.5890	* 2.5252	* 2.3085	* 1.8896	* 2.3588	* 1.8567	* 3.5553
9	* 1.3759	* 1.6745	* 1.3999	* 1.7542	* 1.5219	* 1.5510	* 1.8453	* .9447
	* 2.5890	* 2.1486	* 2.4770	* 1.9750	* 2.2525	* 2.2048	* 1.8601	* 3.5692
10	* 1.3721	* 1.3994	* 1.5238	* 1.5741	* 1.7550	* 1.5506	* 1.8203	* .8976
	* 2.5250	* 2.4778	* 2.3255	* 2.2570	* 2.0291	* 2.2697	* 1.9247	* 3.8069
11	* 1.4797	* 1.7537	* 1.5730	* 1.7554	* 1.4609	* 1.7781	* 1.6547	* .7910
	* 2.3083	* 1.9755	* 2.2586	* 2.0583	* 2.4663	* 2.0315	* 2.1886	* 4.4208
12	* 1.8094	* 1.5213	* 1.7546	* 1.4603	* 1.4229	* 1.6844	* 1.0169	*
	* 1.8896	* 2.2532	* 2.0296	* 2.4674	* 2.5054	* 2.1162	* 3.5080	*
13	* 1.4401	* 1.5507	* 1.5496	* 1.7773	* 1.6836	* 1.0253	* .5607	*
	* 2.3588	* 2.2037	* 2.2704	* 2.0323	* 2.1171	* 3.4309	* 6.2483	*
14	* 1.8400	* 1.8464	* 1.8195	* 1.6525	* 1.0157	* .5602	*	*
	* 1.8568	* 1.8590	* 1.9254	* 2.1913	* 3.5122	* 6.2538	*	*
15	* .9480	* .9485	* .8976	* .7508	F-SUB-Q			
	* 3.5501	* 3.5553	* 3.8066	* 4.6564	M-SUB-Q			

AT 50% POWER, 250 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2269	* 1.4070	* 1.3818	* 1.4878	* 1.8316	* 1.4439	* 1.8626	* .9418
	* 2.6954	* 2.3475	* 2.2985	* 2.1023	* 1.7079	* 2.1530	* 1.6775	* 3.2723
9	* 1.4070	* 1.7098	* 1.4095	* 1.7803	* 1.5329	* 1.5589	* 1.8695	* .9280
	* 2.3475	* 1.9248	* 2.2543	* 1.7809	* 2.0507	* 2.0077	* 1.6791	* 3.3278
10	* 1.3820	* 1.4090	* 1.5259	* 1.5946	* 1.7881	* 1.5715	* 1.8510	* .8824
	* 2.2983	* 2.2551	* 2.1187	* 2.0426	* 1.8268	* 2.0599	* 1.7318	* 3.5480
11	* 1.4879	* 1.7798	* 1.5934	* 1.7940	* 1.4809	* 1.8242	* 1.6934	* .7798
	* 2.1022	* 1.7814	* 2.0441	* 1.8420	* 2.2325	* 1.8207	* 1.9547	* 4.1113
12	* 1.8316	* 1.5323	* 1.7876	* 1.4802	* 1.4585	* 1.7501	* 1.0155	*
	* 1.7079	* 2.0513	* 1.8273	* 2.2335	* 2.2925	* 1.9132	* 3.2581	*
13	* 1.4439	* 1.5597	* 1.5704	* 1.8234	* 1.7492	* 1.0419	* .5626	*
	* 2.1530	* 2.0066	* 2.0607	* 1.8215	* 1.9141	* 3.1870	* 5.8628	*
14	* 1.8626	* 1.8706	* 1.8503	* 1.6913	* 1.0142	* .5621	*	*
	* 1.6775	* 1.6781	* 1.7325	* 1.9572	* 3.2622	* 5.8680	*	*
15	* .9432	* .9318	* .8824	* .7418	F-SUB-Q			
	* 3.2675	* 3.3149	* 3.5479	* 4.3211	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2287	* 1.4080	* 1.3743	* 1.4768	* 1.8187	* 1.4314	* 1.8478	* .9327 *
	* 2.4778	* 2.1675	* 2.1386	* 1.9620	* 1.5923	* 2.0126	* 1.5657	* 3.0653 *
9	* 1.4080	* 1.7052	* 1.4019	* 1.7688	* 1.5227	* 1.5483	* 1.8557	* .9181 *
	* 2.1675	* 1.7809	* 2.0974	* 1.6582	* 1.9134	* 1.8734	* 1.5660	* 3.1204 *
10	* 1.3745	* 1.4014	* 1.5206	* 1.5896	* 1.7809	* 1.5669	* 1.8419	* .8744 *
	* 2.1384	* 2.0982	* 1.9667	* 1.8921	* 1.6957	* 1.9141	* 1.6090	* 3.3192 *
11	* 1.4769	* 1.7683	* 1.5884	* 1.7887	* 1.4780	* 1.8245	* 1.6938	* .7751 *
	* 1.9619	* 1.6586	* 1.8935	* 1.7074	* 2.0731	* 1.6855	* 1.8051	* 3.8274 *
12	* 1.8187	* 1.5221	* 1.7804	* 1.4773	* 1.4658	* 1.7611	* 1.0171	*
	* 1.5923	* 1.9141	* 1.6962	* 2.0741	* 2.1001	* 1.7521	* 3.0109	*
13	* 1.4314	* 1.5487	* 1.5658	* 1.8237	* 1.7602	* 1.0502	* .5653	*
	* 2.0126	* 1.8724	* 1.9149	* 1.6863	* 1.7530	* 2.9307	* 5.4047	*
14	* 1.8478	* 1.8569	* 1.8411	* 1.6916	* 1.0159	* .5648	*	
	* 1.5657	* 1.5651	* 1.6097	* 1.8075	* 3.0147	* 5.4097	*	
15	* .9341	* .9218	* .8743	* .7372	* F-SUB-Q			
	* 3.0607	* 3.1083	* 3.3194	* 4.0232	* M-SUB-Q			

AT 50% POWER, 250 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2046	* 1.3792	* 1.3428	* 1.4383	* 1.7572	* 1.3946	* 1.7814	* .9142 *
	* 2.3778	* 2.0789	* 2.0458	* 1.8877	* 1.5436	* 1.9378	* 1.5222	* 2.9378 *
9	* 1.3792	* 1.6509	* 1.3699	* 1.7066	* 1.4830	* 1.5089	* 1.7900	* .9128 *
	* 2.0789	* 1.7037	* 2.0064	* 1.6072	* 1.8413	* 1.8040	* 1.5211	* 2.9482 *
10	* 1.3429	* 1.3695	* 1.5014	* 1.5513	* 1.7211	* 1.5283	* 1.7784	* .8698 *
	* 2.0457	* 2.0070	* 1.8626	* 1.8055	* 1.6336	* 1.8324	* 1.5568	* 3.1296 *
11	* 1.4383	* 1.7061	* 1.5501	* 1.7283	* 1.4449	* 1.7682	* 1.6438	* .7743 *
	* 1.8876	* 1.6076	* 1.8068	* 1.6371	* 1.9633	* 1.6168	* 1.7235	* 3.5811 *
12	* 1.7572	* 1.4825	* 1.7206	* 1.4442	* 1.4370	* 1.7132	* 1.0210	*
	* 1.5436	* 1.8419	* 1.6341	* 1.9642	* 2.0105	* 1.6902	* 2.8180	*
13	* 1.3946	* 1.5092	* 1.5272	* 1.7674	* 1.7124	* 1.0553	* .5697	*
	* 1.9378	* 1.8032	* 1.8332	* 1.6176	* 1.6910	* 2.7376	* 5.0471	*
14	* 1.7814	* 1.7907	* 1.7775	* 1.6415	* 1.0197	* .5692	*	
	* 1.5222	* 1.5203	* 1.5576	* 1.7260	* 2.8219	* 5.0520	*	
15	* .9155	* .9165	* .8697	* .7346	* F-SUB-Q			
	* 2.9335	* 2.9366	* 3.1301	* 3.7749	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1749	* 1.3461	* 1.3053	* 1.3947	* 1.7010	* 1.3504	* 1.7213	* .8776 *
	* 2.2652	* 1.9758	* 1.9872	* 1.8434	* 1.5097	* 1.8983	* 1.4931	* 2.9080 *
9	* 1.3461	* 1.6020	* 1.3315	* 1.6502	* 1.4378	* 1.4637	* 1.7308	* .8650 *
	* 1.9758	* 1.6512	* 1.9497	* 1.5707	* 1.7981	* 1.7628	* 1.4906	* 2.9559 *
10	* 1.3056	* 1.3311	* 1.4452	* 1.5092	* 1.6644	* 1.4839	* 1.7202	* .8238 *
	* 1.9868	* 1.9502	* 1.8173	* 1.7446	* 1.5868	* 1.7838	* 1.5198	* 3.1339 *
11	* 1.3948	* 1.6497	* 1.5080	* 1.6724	* 1.4020	* 1.7134	* 1.5951	* .7340 *
	* 1.8434	* 1.5711	* 1.7459	* 1.5894	* 1.9026	* 1.5614	* 1.6700	* 3.5691 *
12	* 1.7010	* 1.4372	* 1.6640	* 1.4013	* 1.4011	* 1.6646	* .9683 *	
	* 1.5097	* 1.7987	* 1.5873	* 1.9036	* 1.9350	* 1.6310	* 2.7739 *	
13	* 1.3504	* 1.4640	* 1.4826	* 1.7126	* 1.6638	* 1.0113	* .5421 *	
	* 1.8983	* 1.7620	* 1.7848	* 1.5622	* 1.6318	* 2.7011	* 5.0058 *	
14	* 1.7213	* 1.7310	* 1.7191	* 1.5926	* .9669	* .5415 *		
	* 1.4931	* 1.4898	* 1.5209	* 1.6727	* 2.7781	* 5.0111 *		
15	* .8776	* .8684	* .8235	* .6969	F-SUB-Q			
	* 2.9080	* 2.9445	* 3.1351	* 3.7598	M-SUB-Q			

AT 50% POWER, 250 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0898	* 1.2471	* 1.2039	* 1.2822	* 1.5377	* 1.2417	* 1.5534	* .8043 *
	* 2.3190	* 2.0296	* 2.0590	* 1.9201	* 1.5990	* 1.9805	* 1.5861	* 3.0507 *
9	* 1.2471	* 1.4523	* 1.2291	* 1.4895	* 1.3218	* 1.3456	* 1.5633	* .7944 *
	* 2.0296	* 1.7290	* 2.0182	* 1.6631	* 1.8729	* 1.8372	* 1.5815	* 3.0938 *
10	* 1.2040	* 1.2288	* 1.3326	* 1.3907	* 1.5048	* 1.3620	* 1.5535	* .7576 *
	* 2.0588	* 2.0188	* 1.8736	* 1.8018	* 1.6697	* 1.8501	* 1.6081	* 3.2713 *
11	* 1.2822	* 1.4892	* 1.3897	* 1.5118	* 1.2928	* 1.5481	* 1.4472	* .6752 *
	* 1.9200	* 1.6635	* 1.8030	* 1.6696	* 1.9663	* 1.6455	* 1.7517	* 3.7135 *
12	* 1.5377	* 1.3213	* 1.5043	* 1.2922	* 1.2933	* 1.5117	* .8868 *	
	* 1.5990	* 1.8735	* 1.6702	* 1.9673	* 1.9832	* 1.7018	* 2.8838 *	
13	* 1.2417	* 1.3457	* 1.3606	* 1.5471	* 1.5108	* .9361	* .4985 *	
	* 1.9805	* 1.8365	* 1.8521	* 1.6466	* 1.7029	* 2.7582	* 5.1682 *	
14	* 1.5534	* 1.5633	* 1.5523	* 1.4445	* .8853	* .4980 *		
	* 1.5862	* 1.5808	* 1.6095	* 1.7553	* 2.8889	* 5.1742 *		
15	* .8053	* .7974	* .7571	* .6392	F-SUB-Q			
	* 3.0467	* 3.0824	* 3.2736	* 3.9239	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8923	* 1.0223	* .9692	* 1.0314	* 1.2510	* 1.0025	* 1.2582	* .6553
	* 2.7190	* 2.3720	* 2.4686	* 2.3066	* 1.8992	* 2.3743	* 1.8949	* 3.6324
9	* 1.0223	* 1.2121	* .9914	* 1.2301	* 1.0562	* 1.0895	* 1.2642	* .6542
	* 2.3720	* 1.9920	* 2.4148	* 1.9427	* 2.2646	* 2.1983	* 1.8904	* 3.6482
10	* .9694	* .9911	* 1.0908	* 1.1361	* 1.2310	* 1.0998	* 1.2546	* .6190
	* 2.4682	* 2.4155	* 2.2052	* 2.1229	* 1.9661	* 2.2071	* 1.9229	* 3.8799
11	* 1.0314	* 1.2299	* 1.1356	* 1.2573	* 1.0561	* 1.2532	* 1.1405	* .5493
	* 2.3066	* 1.9430	* 2.1240	* 1.9251	* 2.3070	* 1.9507	* 2.1398	* 4.4169
12	* 1.2510	* 1.0559	* 1.2306	* 1.0557	* 1.0517	* 1.2054		* .7147
	* 1.8992	* 2.2654	* 1.9667	* 2.3080	* 2.3473	* 2.0559		* 3.4570
13	* 1.0025	* 1.0896	* 1.0986	* 1.2525	* 1.2047	* .7669	* .4031	
	* 2.3743	* 2.1976	* 2.2098	* 1.9520	* 2.0573	* 3.2436		* 6.1703
14	* 1.2582	* 1.2647	* 1.2535	* 1.1379	* .7133	* .4027		
	* 1.8949	* 1.8898	* 1.9248	* 2.1449	* 3.4641	* 6.1776		
15	* .6560	* .6558	* .6184	* .5182	* F-SUB-Q			
	* 3.6286	* 3.6394	* 3.8834	* 4.6817	* M-SUB-Q			

AT 50% POWER, 250 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .4216	* .4490	* .4256	* .4627	* .5487	* .4609	* .5166	* .3057
	* 5.5467	* 5.2034	* 5.4351	* 4.9749	* 4.1931	* 5.0105	* 4.4668	* 7.5557
9	* .4490	* .5196	* .4460	* .5532	* .4711	* .4717	* .5184	* .2932
	* 5.2034	* 4.4828	* 5.1920	* 4.1815	* 4.9091	* 4.9104	* 4.4603	* 7.8914
10	* .4256	* .4459	* .4845	* .5114	* .5629	* .4771	* .5134	* .2783
	* 5.4353	* 5.1932	* 4.8069	* 4.5550	* 4.1498	* 4.9105	* 4.5423	* 8.3682
11	* .4627	* .5531	* .5112	* .5677	* .4824	* .5459	* .4851	* .2449
	* 4.9749	* 4.1823	* 4.5564	* 4.1136	* 4.8697	* 4.3199	* 4.8527	* 9.6044
12	* .5487	* .4710	* .5628	* .4822	* .4620	* .4955	* .3252	
	* 4.1931	* 4.9106	* 4.1510	* 4.8715	* 5.1296	* 4.8265	* 7.3373	
13	* .4609	* .4716	* .4768	* .5455	* .4952	* .3431	* .1879	
	* 5.0105	* 4.9095	* 4.9137	* 4.3234	* 4.8302	* 7.0179	* 12.8418	
14	* .5166	* .5186	* .5128	* .4841	* .3245			* .1876
	* 4.4668	* 4.4592	* 4.5478	* 4.8634	* 7.3540			* 12.8614
15	* .3058	* .2940	* .2780	* .2323	* F-SUB-Q			
	* 7.5552	* 7.8684	* 8.3770	* 10.1257	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .3274 *	* .4266 *	* .4542 *	* .5113 *	* .5872 *	* .4790 *	* .4078 *	* .2366 *
	* 5.0577 *	* 5.1367 *	* 5.0950 *	* 4.6381 *	* 4.0449 *	* 4.7146 *	* 4.3447 *	* 6.9564 *
9	* .4266 *	* .4770 *	* .4497 *	* .5732 *	* .5152 *	* .5018 *	* .5029 *	* .2852 *
	* 5.1367 *	* 4.6028 *	* 4.9336 *	* 4.1011 *	* 4.6044 *	* 4.6263 *	* 4.3562 *	* 7.3048 *
10	* .4542 *	* .4499 *	* .4096 *	* .5061 *	* .5774 *	* .5128 *	* .5255 *	* .2956 *
	* 5.0955 *	* 4.9349 *	* 4.6630 *	* 4.5265 *	* 4.1214 *	* 4.6084 *	* 4.4682 *	* 7.7304 *
11	* .5112 *	* .5733 *	* .5059 *	* .5358 *	* .4861 *	* .5443 *	* .5004 *	* .2704 *
	* 4.6384 *	* 4.1001 *	* 4.5276 *	* 4.2544 *	* 4.7952 *	* 4.2801 *	* 4.6411 *	* 8.6129 *
12	* .5872 *	* .5152 *	* .5770 *	* .4858 *	* .3722 *	* .4346 *	* .3243 *	
	* 4.0449 *	* 4.6043 *	* 4.1224 *	* 4.7968 *	* 4.7820 *	* 4.7409 *	* 7.0199 *	
13	* .4790 *	* .5015 *	* .5122 *	* .5433 *	* .4335 *	* .2802 *	* .1898 *	
	* 4.7146 *	* 4.6272 *	* 4.6162 *	* 4.2887 *	* 4.7471 *	* 6.4460 *	* 11.2776 *	
14	* .4078 *	* .5021 *	* .5241 *	* .4978 *	* .3229 *	* .1894 *		
	* 4.3447 *	* 4.3571 *	* 4.4775 *	* 4.6674 *	* 7.0523 *	* 11.2933 *		
15	* .2368 *	* .2841 *	* .2936 *	* .2551 *	F-SUB-Q			
	* 6.9553 *	* 7.2986 *	* 7.7520 *	* 9.1353 *	M-SUB-Q			

AT 50% POWER, 350 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .6748 *	* .9092 *	* .9742 *	* 1.0784 *	* 1.2470 *	* 1.0026 *	* .9048 *	* .4901 *
	* 2.7324 *	* 2.4924 *	* 2.4773 *	* 2.2920 *	* 1.9825 *	* 2.3334 *	* 1.9942 *	* 3.5047 *
9	* .9092 *	* 1.0417 *	* .9480 *	* 1.1938 *	* 1.0944 *	* 1.0736 *	* 1.1407 *	* .6261 *
	* 2.4924 *	* 2.1995 *	* 2.4410 *	* 2.0441 *	* 2.2588 *	* 2.2068 *	* 1.9954 *	* 3.4820 *
10	* .9742 *	* .9482 *	* .8679 *	* 1.0581 *	* 1.1935 *	* 1.1011 *	* 1.1924 *	* .6469 *
	* 2.4773 *	* 2.4413 *	* 2.2791 *	* 2.2406 *	* 2.0817 *	* 2.2491 *	* 2.0419 *	* 3.6600 *
11	* 1.0783 *	* 1.1940 *	* 1.0577 *	* 1.1179 *	* 1.0106 *	* 1.1659 *	* 1.0969 *	* .6060 *
	* 2.2921 *	* 2.0440 *	* 2.2412 *	* 2.1091 *	* 2.3754 *	* 2.0977 *	* 2.2226 *	* 4.0414 *
12	* 1.2470 *	* 1.0944 *	* 1.1929 *	* 1.0097 *	* .8114 *	* .9835 *	* .6998 *	
	* 1.9825 *	* 2.2587 *	* 2.0822 *	* 2.3762 *	* 2.3319 *	* 2.1600 *	* 3.4105 *	
13	* 1.0026 *	* 1.0730 *	* 1.0986 *	* 1.1641 *	* .9816 *	* .5977 *	* .4014 *	
	* 2.3334 *	* 2.2070 *	* 2.2549 *	* 2.1013 *	* 2.1619 *	* 3.1033 *	* 5.4689 *	
14	* .9048 *	* 1.1392 *	* 1.1896 *	* 1.0922 *	* .6972 *	* .4006 *		
	* 1.9942 *	* 1.9956 *	* 2.0455 *	* 2.2330 *	* 3.4242 *	* 5.4756 *		
15	* .4909 *	* .6240 *	* .6433 *	* .5660 *	F-SUB-Q			
	* 3.5018 *	* 3.4737 *	* 3.6685 *	* 4.3293 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8260	* 1.0917	* 1.1882	* 1.3152	* 1.5235	* 1.2193	* 1.1451	* .6262
	* 2.4072	* 2.1620	* 2.1140	* 1.9522	* 1.6840	* 1.9911	* 1.6728	* 2.9549
9	* 1.0917	* 1.2553	* 1.1638	* 1.4454	* 1.3435	* 1.3002	* 1.4104	* .7756
	* 2.1620	* 1.8977	* 2.0669	* 1.7514	* 1.9105	* 1.8726	* 1.6713	* 2.9219
10	* 1.1882	* 1.1639	* 1.0817	* 1.2757	* 1.4388	* 1.3382	* 1.4659	* .7860
	* 2.1139	* 2.0667	* 1.9569	* 1.9199	* 1.7905	* 1.9182	* 1.7208	* 3.0665
11	* 1.3151	* 1.4456	* 1.2751	* 1.3454	* 1.2188	* 1.4219	* 1.3457	* .7418
	* 1.9523	* 1.7513	* 1.9205	* 1.8137	* 2.0396	* 1.7731	* 1.8697	* 3.4198
12	* 1.5235	* 1.3435	* 1.4381	* 1.2181	* .9899	* 1.1965	* .8679	*
	* 1.6840	* 1.9104	* 1.7909	* 2.0402	* 2.0208	* 1.8240	* 2.8348	*
13	* 1.2193	* 1.2992	* 1.3356	* 1.4187	* 1.1945	* .7241	* .4920	*
	* 1.9911	* 1.8725	* 1.9208	* 1.7776	* 1.8250	* 2.6398	* 4.5747	*
14	* 1.1451	* 1.4089	* 1.4630	* 1.3410	* .8652	* .4910	*	*
	* 1.6728	* 1.6712	* 1.7234	* 1.8770	* 2.8446	* 4.5805	*	*
15	* .6269	* .7736	* .7839	* .6988	F-SUB-Q			
	* 2.9518	* 2.9138	* 3.0721	* 3.6331	M-SUB-Q			

AT 50% POWER, 350 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8947	* 1.1966	* 1.3045	* 1.4449	* 1.7126	* 1.3506	* 1.3467	* .7284
	* 2.3342	* 2.0823	* 2.0313	* 1.8666	* 1.5724	* 1.8926	* 1.5420	* 2.8169
9	* 1.1966	* 1.4274	* 1.2891	* 1.6367	* 1.4776	* 1.4431	* 1.6220	* .8492
	* 2.0823	* 1.7693	* 1.9817	* 1.6291	* 1.8235	* 1.7778	* 1.5427	* 2.8234
10	* 1.3045	* 1.2891	* 1.2180	* 1.4165	* 1.6214	* 1.4710	* 1.6643	* .8580
	* 2.0312	* 1.9815	* 1.8750	* 1.8305	* 1.6642	* 1.8132	* 1.5908	* 2.9774
11	* 1.4449	* 1.6367	* 1.4158	* 1.5290	* 1.3346	* 1.5922	* 1.5066	* .7920
	* 1.8666	* 1.6290	* 1.8312	* 1.6832	* 1.9504	* 1.6395	* 1.7292	* 3.3306
12	* 1.7126	* 1.4776	* 1.6208	* 1.3339	* 1.0737	* 1.3285	* .9232	*
	* 1.5724	* 1.8234	* 1.6645	* 1.9510	* 1.9381	* 1.6994	* 2.7540	*
13	* 1.3506	* 1.4425	* 1.4686	* 1.5894	* 1.3267	* .7649	* .5171	*
	* 1.8926	* 1.7775	* 1.8168	* 1.6431	* 1.7000	* 2.5883	* 4.5006	*
14	* 1.3467	* 1.6208	* 1.6618	* 1.5023	* .9208	* .5162	*	*
	* 1.5420	* 1.5424	* 1.5927	* 1.7348	* 2.7621	* 4.5059	*	*
15	* .7293	* .8475	* .8564	* .7448	F-SUB-Q			
	* 2.8135	* 2.8148	* 2.9813	* 3.5448	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9320	* 1.2414	* 1.3558	* 1.4975	* 1.7911	* 1.4209	* 1.5572	* .8617
	* 2.4150	* 2.1483	* 2.0922	* 1.9121	* 1.5947	* 1.9346	* 1.5574	* 2.8628
9	* 1.2414	* 1.5296	* 1.3565	* 1.7218	* 1.5325	* 1.5199	* 1.7421	* .9050
	* 2.1483	* 1.8006	* 2.0407	* 1.6491	* 1.8655	* 1.8173	* 1.5593	* 2.8671
10	* 1.3559	* 1.3564	* 1.3755	* 1.4886	* 1.7004	* 1.5266	* 1.7523	* .9112
	* 2.0920	* 2.0407	* 1.9299	* 1.8726	* 1.6781	* 1.8393	* 1.6036	* 3.0226
11	* 1.4975	* 1.7218	* 1.4879	* 1.6233	* 1.3802	* 1.6521	* 1.5614	* .8191
	* 1.9121	* 1.6491	* 1.8733	* 1.7013	* 2.0008	* 1.6490	* 1.7416	* 3.3765
12	* 1.7911	* 1.5324	* 1.6999	* 1.3796	* 1.1101	* 1.3694		* .9479
	* 1.5947	* 1.8655	* 1.6785	* 2.0013	* 1.9931	* 1.7298		* 2.7938
13	* 1.4209	* 1.5195	* 1.5253	* 1.6497	* 1.3679	* .7784	* .5246	
	* 1.9346	* 1.8169	* 1.8425	* 1.6521	* 1.7303	* 2.6577	* 4.6324	
14	* 1.5572	* 1.7414	* 1.7502	* 1.5577	* .9457	* .5238		
	* 1.5574	* 1.5588	* 1.6051	* 1.7466	* 2.8011	* 4.6374		
15	* .8628	* .9049	* .9100	* .7723	* F-SUB-Q			
	* 2.8591	* 2.8578	* 3.0258	* 3.5841	* M-SUB-Q			

AT 50% POWER, 350 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9535	* 1.2723	* 1.3800	* 1.5176	* 1.8223	* 1.4588	* 1.7833	* .9605
	* 2.5508	* 2.2654	* 2.2042	* 2.0011	* 1.6610	* 2.0263	* 1.6227	* 2.9774
9	* 1.2723	* 1.5881	* 1.3972	* 1.7586	* 1.5542	* 1.5616	* 1.8129	* .9696
	* 2.2654	* 1.8908	* 2.1500	* 1.7195	* 1.9487	* 1.9030	* 1.6239	* 2.9706
10	* 1.3802	* 1.3971	* 1.4699	* 1.5252	* 1.7300	* 1.5496	* 1.7935	* .9485
	* 2.2039	* 2.1501	* 2.0319	* 1.9658	* 1.7367	* 1.9228	* 1.6590	* 3.1339
11	* 1.5176	* 1.7586	* 1.5246	* 1.6856	* 1.4041	* 1.6650	* 1.5731	* .8336
	* 2.0011	* 1.7197	* 1.9667	* 1.7748	* 2.1071	* 1.7216	* 1.8188	* 3.5007
12	* 1.8223	* 1.5541	* 1.7296	* 1.4036	* 1.1240	* 1.3716		* .9568
	* 1.6610	* 1.9488	* 1.7371	* 2.1076	* 2.1114	* 1.8220		* 2.9099
13	* 1.4588	* 1.5615	* 1.5486	* 1.6629	* 1.3703	* .7802	* .5250	
	* 2.0263	* 1.9025	* 1.9257	* 1.7243	* 1.8225	* 2.7999		* 4.8850
14	* 1.7833	* 1.8125	* 1.7919	* 1.5699	* .9549	* .5243		
	* 1.6227	* 1.6233	* 1.6606	* 1.8234	* 2.9167	* 4.8899		
15	* .9618	* .9728	* .9476	* .7885	* F-SUB-Q			
	* 2.9772	* 2.9606	* 3.1362	* 3.7043	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9564	* 1.2802	* 1.3938	* 1.5298	* 1.8479	* 1.4946	* 1.8697	* 1.0043
	* 2.7048	* 2.3950	* 2.3053	* 2.0943	* 1.7268	* 2.1167	* 1.6846	* 3.1277
9	* 1.2802	* 1.6283	* 1.4239	* 1.7890	* 1.5675	* 1.5958	* 1.8732	* 1.0041
	* 2.3950	* 1.9684	* 2.2499	* 1.7834	* 2.0379	* 1.9806	* 1.6807	* 3.1311
10	* 1.3940	* 1.4238	* 1.5023	* 1.5543	* 1.7545	* 1.5635	* 1.8263	* .9567
	* 2.3049	* 2.2500	* 2.1216	* 2.0447	* 1.8073	* 2.0127	* 1.7163	* 3.2786
11	* 1.5298	* 1.7890	* 1.5535	* 1.7234	* 1.4074	* 1.6764	* 1.5835	* .8279
	* 2.0942	* 1.7835	* 2.0457	* 1.8379	* 2.2270	* 1.8109	* 1.9134	* 3.7266
12	* 1.8479	* 1.5674	* 1.7542	* 1.4069	* 1.1203	* 1.3743	* .9433	*
	* 1.7268	* 2.0381	* 1.8077	* 2.2276	* 2.2482	* 1.9257	* 3.1321	*
13	* 1.4946	* 1.5963	* 1.5626	* 1.6746	* 1.3731	* .7676	* .5142	*
	* 2.1167	* 1.9801	* 2.0138	* 1.8135	* 1.9262	* 3.0109	* 5.2776	*
14	* 1.8697	* 1.8739	* 1.8251	* 1.5806	* .9416	* .5135	*	*
	* 1.6846	* 1.6801	* 1.7176	* 1.9178	* 3.1389	* 5.2826	*	*
15	* 1.0044	* 1.0075	* .9561	* .7821	* F-SUB-Q			
	* 3.1276	* 3.1207	* 3.2809	* 3.9473	* M-SUB-Q			

AT 50% POWER, 350 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9553	* 1.2797	* 1.3905	* 1.5244	* 1.8466	* 1.5026	* 1.8928	* 1.0179
	* 2.9099	* 2.5734	* 2.4729	* 2.2443	* 1.8446	* 2.2481	* 1.7761	* 3.2954
9	* 1.2797	* 1.6349	* 1.4232	* 1.7906	* 1.5621	* 1.6013	* 1.8905	* 1.0152
	* 2.5734	* 2.1006	* 2.4111	* 1.9060	* 2.1817	* 2.1070	* 1.7768	* 3.3066
10	* 1.3908	* 1.4230	* 1.5037	* 1.5537	* 1.7520	* 1.5582	* 1.8290	* .9581
	* 2.4725	* 2.4113	* 2.2723	* 2.1923	* 1.9206	* 2.1444	* 1.8270	* 3.4937
11	* 1.5244	* 1.7905	* 1.5529	* 1.7258	* 1.4013	* 1.6682	* 1.5755	* .8224
	* 2.2442	* 1.9061	* 2.1934	* 1.9673	* 2.3954	* 1.9423	* 2.0511	* 3.9639
12	* 1.8466	* 1.5619	* 1.7518	* 1.4008	* 1.1123	* 1.3651	* .9334	*
	* 1.8446	* 2.1820	* 1.9211	* 2.3965	* 2.4132	* 2.0610	* 3.3930	*
13	* 1.5026	* 1.6018	* 1.5575	* 1.6666	* 1.3640	* .7584	* .5066	*
	* 2.2481	* 2.1063	* 2.1459	* 1.9449	* 2.0615	* 3.2439	* 5.6886	*
14	* 1.8928	* 1.8912	* 1.8280	* 1.5729	* .9319	* .5060	*	*
	* 1.7761	* 1.7761	* 1.8286	* 2.0554	* 3.3972	* 5.6938	*	*
15	* 1.0180	* 1.0188	* .9577	* .7775	* F-SUB-Q			
	* 3.2953	* 3.2951	* 3.4956	* 4.1956	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9516	* 1.2714	* 1.3839	* 1.5155	* 1.8423	* 1.4985	* 1.8995	* 1.0171
	* 3.1832	* 2.8077	* 2.6573	* 2.4028	* 1.9666	* 2.4370	* 1.9120	* 3.5629
9	* 1.2714	* 1.6380	* 1.4161	* 1.7887	* 1.5531	* 1.5967	* 1.8951	* 1.0095
	* 2.8077	* 2.2622	* 2.6028	* 2.0326	* 2.3350	* 2.2713	* 1.9131	* 3.5924
10	* 1.3841	* 1.4160	* 1.4975	* 1.5472	* 1.7485	* 1.5491	* 1.8274	* .9485
	* 2.6568	* 2.6031	* 2.4543	* 2.3552	* 2.0552	* 2.2945	* 1.9394	* 3.7632
11	* 1.5155	* 1.7886	* 1.5464	* 1.7242	* 1.3870	* 1.6616	* 1.5687	* .8106
	* 2.4027	* 2.0328	* 2.3564	* 2.1020	* 2.5910	* 2.1002	* 2.2165	* 4.2999
12	* 1.8423	* 1.5529	* 1.7482	* 1.3865	* 1.1039	* 1.3596	* .9189	*
	* 1.9666	* 2.3354	* 2.0556	* 2.5921	* 2.6368	* 2.2381	* 3.7240	*
13	* 1.4985	* 1.5974	* 1.5485	* 1.6602	* 1.3586	* .7499	* .4982	*
	* 2.4370	* 2.2707	* 2.2959	* 2.1025	* 2.2386	* 3.5590	* 6.2456	*
14	* 1.8995	* 1.8960	* 1.8265	* 1.5663	* .9175	* .4977	*	*
	* 1.9120	* 1.9124	* 1.9408	* 2.2204	* 3.7284	* 6.2510	*	*
15	* 1.0172	* 1.0131	* .9483	* .7702	* F-SUB-Q			
	* 3.5627	* 3.5797	* 3.7656	* 4.5279	* M-SUB-Q			

AT 50% POWER, 350 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9607	* 1.2693	* 1.3597	* 1.4857	* 1.8013	* 1.4724	* 1.8607	* 1.0104
	* 3.5448	* 3.1227	* 2.9262	* 2.6531	* 2.1757	* 2.6442	* 2.0846	* 3.8337
9	* 1.2693	* 1.6052	* 1.3909	* 1.7481	* 1.5221	* 1.5675	* 1.8554	* 1.0137
	* 3.1227	* 2.4950	* 2.8585	* 2.2510	* 2.5784	* 2.4758	* 2.0838	* 3.8193
10	* 1.3600	* 1.3907	* 1.4757	* 1.5174	* 1.7076	* 1.5198	* 1.7867	* .9518
	* 2.9257	* 2.8590	* 2.6846	* 2.5990	* 2.2865	* 2.5305	* 2.1420	* 4.0243
11	* 1.4858	* 1.7480	* 1.5166	* 1.6867	* 1.3821	* 1.6241	* 1.5341	* .8127
	* 2.6530	* 2.2512	* 2.6005	* 2.3320	* 2.8442	* 2.3487	* 2.4760	* 4.6560
12	* 1.8013	* 1.5219	* 1.7074	* 1.3817	* 1.1060	* 1.3340	* .9237	*
	* 2.1757	* 2.5788	* 2.2869	* 2.8452	* 2.9491	* 2.5107	* 4.0607	*
13	* 1.4724	* 1.5681	* 1.5193	* 1.6228	* 1.3331	* .7585	* .5011	*
	* 2.6442	* 2.4750	* 2.5318	* 2.3512	* 2.5114	* 3.8989	* 6.8184	*
14	* 1.8607	* 1.8563	* 1.7860	* 1.5325	* .9224	* .5006	*	*
	* 2.0846	* 2.0830	* 2.1433	* 2.4804	* 4.0653	* 6.8242	*	*
15	* 1.0104	* 1.0174	* .9516	* .7712	* F-SUB-Q			
	* 3.8325	* 3.8058	* 4.0260	* 4.9089	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9556	* 1.2502	* 1.3524	* 1.4776	* 1.8024	* 1.4627	* 1.8666	* .9990
	* 3.8937	* 3.4255	* 3.2428	* 2.9403	* 2.3955	* 2.9079	* 2.2652	* 4.2129
9	* 1.2502	* 1.6145	* 1.3826	* 1.7530	* 1.5139	* 1.5594	* 1.8611	* .9905
	* 3.4255	* 2.7365	* 3.1688	* 2.4771	* 2.8571	* 2.7236	* 2.2694	* 4.2505
10	* 1.3526	* 1.3824	* 1.4621	* 1.5126	* 1.7129	* 1.5114	* 1.7920	* .9283
	* 3.2423	* 3.1693	* 2.9877	* 2.8820	* 2.5215	* 2.8038	* 2.3498	* 4.5176
11	* 1.4776	* 1.7528	* 1.5118	* 1.6928	* 1.3583	* 1.6290	* 1.5361	* .7913
	* 2.9403	* 2.4773	* 2.8836	* 2.5735	* 3.2124	* 2.5937	* 2.7320	* 5.2634
12	* 1.8024	* 1.5137	* 1.7127	* 1.3578	* 1.1009	* 1.3434		* .9012
	* 2.3955	* 2.8575	* 2.5219	* 3.2137	* 3.2679	* 2.7664		* 4.5821
13	* 1.4627	* 1.5601	* 1.5109	* 1.6278	* 1.3426	* .7499	* .4894	
	* 2.9079	* 2.7225	* 2.8050	* 2.5962	* 2.7671	* 4.4106	* 7.7306	
14	* 1.8666	* 1.8621	* 1.7914	* 1.5341	* .9000	* .4888		
	* 2.2652	* 2.2684	* 2.3510	* 2.7364	* 4.5872	* 7.7371		
15	* .9991	* .9942	* .9282	* .7483	* F-SUB-Q			
	* 4.2126	* 4.2351	* 4.5189	* 5.5692	* M-SUB-Q			

AT 50% POWER, 350 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9529	* 1.2410	* 1.3379	* 1.4598	* 1.7832	* 1.4445	* 1.8481	* .9891
	* 4.0273	* 3.5345	* 3.6049	* 3.2790	* 2.6774	* 3.2701	* 2.5485	* 4.7269
9	* 1.2410	* 1.6028	* 1.3670	* 1.7360	* 1.4956	* 1.5406	* 1.8427	* .9812
	* 3.5345	* 2.9042	* 3.5292	* 2.7675	* 3.1939	* 3.0660	* 2.5561	* 4.7695
10	* 1.3382	* 1.3668	* 1.4460	* 1.4971	* 1.6965	* 1.4940	* 1.7750	* .9193
	* 3.6042	* 3.5298	* 3.3043	* 3.1699	* 2.8156	* 3.1636	* 2.6470	* 5.0769
11	* 1.4599	* 1.7359	* 1.4963	* 1.6785	* 1.3465	* 1.6149	* 1.5230	* .7839
	* 3.2788	* 2.7678	* 3.1713	* 2.7790	* 3.3640	* 2.8108	* 3.0606	* 5.9286
12	* 1.7832	* 1.4953	* 1.6963	* 1.3461	* 1.0966	* 1.3365	* .8957	
	* 2.6774	* 3.1944	* 2.8159	* 3.3650	* 3.4564	* 2.9451	* 4.8485	
13	* 1.4445	* 1.5413	* 1.4937	* 1.6145	* 1.3358	* .7497	* .4870	
	* 3.2701	* 3.0647	* 3.1648	* 2.8112	* 2.9459	* 4.6978	* 8.2372	
14	* 1.8481	* 1.8437	* 1.7745	* 1.5211	* .8945	* .4865		
	* 2.5485	* 2.5549	* 2.6483	* 3.0639	* 4.8535	* 8.2437		
15	* .9892	* .9848	* .9192	* .7417	* F-SUB-Q			
	* 4.7266	* 4.7521	* 5.0782	* 6.2679	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9535 *	* 1.2385 *	* 1.3182 *	* 1.4353 *	* 1.7495 *	* 1.4204 *	* 1.8125 *	* .9801 *
	* 4.0169 *	* 3.5310 *	* 3.4799 *	* 3.1786 *	* 2.6126 *	* 3.2096 *	* 2.5293 *	* 4.6399 *
9	* 1.2385 *	* 1.5766 *	* 1.3466 *	* 1.7038 *	* 1.4701 *	* 1.5141 *	* 1.8075 *	* .9805 *
	* 3.5310 *	* 2.9088 *	* 3.4118 *	* 2.6981 *	* 3.1059 *	* 3.0220 *	* 2.5418 *	* 4.6423 *
10	* 1.3185 *	* 1.3463 *	* 1.4329 *	* 1.4739 *	* 1.6650 *	* 1.4705 *	* 1.7427 *	* .9196 *
	* 3.4793 *	* 3.4124 *	* 3.2341 *	* 3.1443 *	* 2.7859 *	* 3.1430 *	* 2.6590 *	* 4.9796 *
11	* 1.4353 *	* 1.7036 *	* 1.4730 *	* 1.6500 *	* 1.3427 *	* 1.5891 *	* 1.4985 *	* .7854 *
	* 3.1784 *	* 2.6983 *	* 3.1461 *	* 2.7850 *	* 3.3641 *	* 2.8188 *	* 3.0697 *	* 5.8811 *
12	* 1.7495 *	* 1.4698 *	* 1.6649 *	* 1.3423 *	* 1.0926 *	* 1.3189 *		* .9017 *
	* 2.6126 *	* 3.1064 *	* 2.7862 *	* 3.3650 *	* 3.4273 *	* 2.9525 *		* 4.7638 *
13	* 1.4204 *	* 1.5148 *	* 1.4702 *	* 1.5882 *	* 1.3182 *	* .7554 *	* .4912 *	
	* 3.2096 *	* 3.0206 *	* 3.1437 *	* 2.8192 *	* 2.9532 *	* 4.6334 *	* 8.1117 *	
14	* 1.8125 *	* 1.8085 *	* 1.7423 *	* 1.4973 *	* .9006 *	* .4907 *		
	* 2.5293 *	* 2.5404 *	* 2.6597 *	* 3.0728 *	* 4.7685 *	* 8.1180 *		
15	* .9801 *	* .9843 *	* .9196 *	* .7461 *	F-SUB-Q			
	* 4.6397 *	* 4.6253 *	* 4.9793 *	* 6.1904 *	M-SUB-Q			

AT 50% POWER, 350 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9444 *	* 1.2265 *	* 1.3170 *	* 1.4331 *	* 1.7566 *	* 1.4143 *	* 1.8217 *	* .9709 *
	* 3.9200 *	* 3.4363 *	* 3.3034 *	* 3.0163 *	* 2.4644 *	* 3.0493 *	* 2.3800 *	* 4.4294 *
9	* 1.2265 *	* 1.5929 *	* 1.3450 *	* 1.7156 *	* 1.4682 *	* 1.5115 *	* 1.8173 *	* .9603 *
	* 3.4363 *	* 2.7759 *	* 3.2398 *	* 2.5404 *	* 2.9469 *	* 2.8653 *	* 2.3921 *	* 4.4838 *
10	* 1.3172 *	* 1.3447 *	* 1.4242 *	* 1.4775 *	* 1.6787 *	* 1.4695 *	* 1.7554 *	* .9003 *
	* 3.3028 *	* 3.2405 *	* 3.0757 *	* 2.9766 *	* 2.6216 *	* 2.9825 *	* 2.5027 *	* 4.8193 *
11	* 1.4332 *	* 1.7154 *	* 1.4766 *	* 1.6653 *	* 1.3281 *	* 1.6042 *	* 1.5121 *	* .7696 *
	* 3.0161 *	* 2.5405 *	* 2.9784 *	* 2.6605 *	* 3.3011 *	* 2.7498 *	* 2.9486 *	* 5.7006 *
12	* 1.7566 *	* 1.4679 *	* 1.6786 *	* 1.3276 *	* 1.0861 *	* 1.3374 *	* .8879 *	
	* 2.4644 *	* 2.9475 *	* 2.6219 *	* 3.3020 *	* 3.4002 *	* 2.8856 *	* 4.7687 *	
13	* 1.4143 *	* 1.5123 *	* 1.4692 *	* 1.6034 *	* 1.3368 *	* .7495 *	* .4847 *	
	* 3.0493 *	* 2.8638 *	* 2.9830 *	* 2.7500 *	* 2.8861 *	* 4.6230 *	* 8.0502 *	
14	* 1.8217 *	* 1.8183 *	* 1.7551 *	* 1.5105 *	* .8869 *	* .4843 *		
	* 2.3800 *	* 2.3908 *	* 2.5030 *	* 2.9519 *	* 4.7730 *	* 8.0557 *		
15	* .9710 *	* .9640 *	* .9004 *	* .7328 *	F-SUB-Q			
	* 4.4291 *	* 4.4672 *	* 4.8186 *	* 5.9857 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9523	* 1.2339	* 1.3159	* 1.4285	* 1.7543	* 1.4064	* 1.8185	* .9657
	* 3.5110	* 3.0829	* 3.1291	* 2.8658	* 2.3406	* 2.9077	* 2.2633	* 4.2148
9	* 1.2339	* 1.6041	* 1.3434	* 1.7176	* 1.4636	* 1.5043	* 1.8151	* .9528
	* 3.0829	* 2.5298	* 3.0720	* 2.4081	* 2.8022	* 2.7323	* 2.2747	* 4.2771
10	* 1.3161	* 1.3431	* 1.4247	* 1.4805	* 1.6843	* 1.4674	* 1.7585	* .8942
	* 3.1285	* 3.0727	* 2.9174	* 2.7989	* 2.4806	* 2.8409	* 2.3779	* 4.5966
11	* 1.4285	* 1.7175	* 1.4796	* 1.6757	* 1.3313	* 1.6172	* 1.5229	* .7667
	* 2.8657	* 2.4083	* 2.8006	* 2.4445	* 2.9812	* 2.4797	* 2.6934	* 5.4287
12	* 1.7543	* 1.4633	* 1.6842	* 1.3309	* 1.0974	* 1.3608		* .8944
	* 2.3406	* 2.8028	* 2.4807	* 2.9820	* 3.0573	* 2.5846		* 4.2835
13	* 1.4064	* 1.5052	* 1.4672	* 1.6164	* 1.3602	* .7642	* .4912	
	* 2.9077	* 2.7308	* 2.8412	* 2.4798	* 2.5850	* 4.1401	* 7.2326	
14	* 1.8185	* 1.8162	* 1.7582	* 1.5214	* .8935	* .4908		
	* 2.2633	* 2.2734	* 2.3781	* 2.6955	* 4.2870	* 7.2374		
15	* .9658	* .9565	* .8944	* .7303	* F-SUB-Q			
	* 4.2146	* 4.2611	* 4.5955	* 5.6977	* M-SUB-Q			

AT 50% POWER, 350 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9924	* 1.2562	* 1.3209	* 1.4276	* 1.7539	* 1.4014	* 1.8145	* .9641
	* 3.1548	* 2.7675	* 2.7772	* 2.5598	* 2.0939	* 2.6115	* 2.0350	* 3.7670
9	* 1.2562	* 1.6241	* 1.3479	* 1.7224	* 1.4629	* 1.5007	* 1.8124	* .9530
	* 2.7675	* 2.2655	* 2.7283	* 2.1478	* 2.5046	* 2.4514	* 2.0430	* 3.8147
10	* 1.3212	* 1.3476	* 1.4331	* 1.4911	* 1.6952	* 1.4707	* 1.7629	* .8965
	* 2.7767	* 2.7289	* 2.5911	* 2.5044	* 2.2124	* 2.5354	* 2.1237	* 4.0837
11	* 1.4277	* 1.7222	* 1.4902	* 1.6944	* 1.3523	* 1.6391	* 1.5395	* .7725
	* 2.5596	* 2.1480	* 2.5059	* 2.1887	* 2.6777	* 2.2245	* 2.4151	* 4.7884
12	* 1.7539	* 1.4626	* 1.6950	* 1.3518	* 1.1455	* 1.4090	* .9183	
	* 2.0939	* 2.5052	* 2.2125	* 2.6785	* 2.7438	* 2.3254	* 3.8385	
13	* 1.4014	* 1.5015	* 1.4705	* 1.6384	* 1.4085	* .8127	* .5107	
	* 2.6115	* 2.4501	* 2.5356	* 2.2246	* 2.3258	* 3.7205	* 6.5134	
14	* 1.8145	* 1.8135	* 1.7627	* 1.5381	* .9175	* .5103		
	* 2.0350	* 2.0417	* 2.1238	* 2.4169	* 3.8416	* 6.5178		
15	* .9642	* .9567	* .8967	* .7321	* F-SUB-Q			
	* 3.7667	* 3.8004	* 4.0827	* 5.0508	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1011	* 1.2889	* 1.3268	* 1.4256	* 1.7463	* 1.3957	* 1.8013	* .9663 *
	* 2.9538	* 2.5971	* 2.5842	* 2.3862	* 1.9549	* 2.4365	* 1.9030	* 3.4936 *
9	* 1.2888	* 1.6420	* 1.3530	* 1.7191	* 1.4635	* 1.4942	* 1.8008	* .9639 *
	* 2.5971	* 2.1310	* 2.5375	* 2.0036	* 2.3347	* 2.2884	* 1.9096	* 3.5062 *
10	* 1.3271	* 1.3527	* 1.4588	* 1.5024	* 1.7002	* 1.4740	* 1.7600	* .9100 *
	* 2.5836	* 2.5382	* 2.3932	* 2.3282	* 2.0624	* 2.3578	* 1.9804	* 3.7451 *
11	* 1.4257	* 1.7189	* 1.5014	* 1.7107	* 1.3928	* 1.6653	* 1.5544	* .7894 *
	* 2.3860	* 2.0038	* 2.3297	* 2.0572	* 2.5032	* 2.0899	* 2.2688	* 4.3763 *
12	* 1.7463	* 1.4632	* 1.7001	* 1.3923	* 1.2744	* 1.4998		* .9633 *
	* 1.9549	* 2.3352	* 2.0625	* 2.5039	* 2.5489	* 2.1854		* 3.5323 *
13	* 1.3957	* 1.4950	* 1.4738	* 1.6651	* 1.4994	* .9154	* .5442	*
	* 2.4365	* 2.2872	* 2.3580	* 2.0899	* 2.1858	* 3.4406	* 6.0141	*
14	* 1.8013	* 1.8020	* 1.7598	* 1.5531	* .9624	* .5438		*
	* 1.9030	* 1.9084	* 1.9804	* 2.2704	* 3.5350	* 6.0181		*
15	* .9663	* .9677	* .9102	* .7507	F-SUB-Q			
	* 3.4935	* 3.4929	* 3.7440	* 4.6005	M-SUB-Q			

AT 50% POWER, 350 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1769	* 1.3564	* 1.3477	* 1.4428	* 1.7778	* 1.4060	* 1.8317	* .9665 *
	* 2.6567	* 2.3253	* 2.3152	* 2.1398	* 1.7409	* 2.1920	* 1.6948	* 3.1667 *
9	* 1.3564	* 1.7001	* 1.3735	* 1.7581	* 1.4848	* 1.5100	* 1.8330	* .9519 *
	* 2.3253	* 1.8798	* 2.2732	* 1.7783	* 2.0926	* 2.0528	* 1.6994	* 3.2196 *
10	* 1.3480	* 1.3731	* 1.4716	* 1.5366	* 1.7485	* 1.5005	* 1.8001	* .8998 *
	* 2.3148	* 2.2737	* 2.1514	* 2.0739	* 1.8258	* 2.1093	* 1.7563	* 3.4376 *
11	* 1.4428	* 1.7578	* 1.5356	* 1.7679	* 1.4221	* 1.7331	* 1.6059	* .7839 *
	* 2.1397	* 1.7785	* 2.0752	* 1.8155	* 2.2441	* 1.8515	* 2.0020	* 4.0078 *
12	* 1.7778	* 1.4845	* 1.7484	* 1.4217	* 1.3640	* 1.6227	* .9784	*
	* 1.7409	* 2.0931	* 1.8259	* 2.2448	* 2.3177	* 1.9508	* 3.2417	*
13	* 1.4060	* 1.5109	* 1.5001	* 1.7330	* 1.6224	* .9834	* .5599	*
	* 2.1920	* 2.0516	* 2.1095	* 1.8516	* 1.9511	* 3.1542	* 5.5655	*
14	* 1.8317	* 1.8341	* 1.8000	* 1.6046	* .9776	* .5595		*
	* 1.6948	* 1.6984	* 1.7564	* 2.0035	* 3.2442	* 5.5691		*
15	* .9665	* .9557	* .9001	* .7472	F-SUB-Q			
	* 3.1667	* 3.2074	* 3.4367	* 4.2043	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2194	* 1.3948	* 1.3587	* 1.4493	* 1.7869	* 1.4082	* 1.8370	* .9675
	* 2.4002	* 2.1100	* 2.1141	* 1.9600	* 1.5922	* 2.0128	* 1.5527	* 2.9111
9	* 1.3948	* 1.7267	* 1.3845	* 1.7710	* 1.4937	* 1.5143	* 1.8398	* .9522
	* 2.1100	* 1.7122	* 2.0753	* 1.6230	* 1.9163	* 1.8820	* 1.5557	* 2.9623
10	* 1.3590	* 1.3842	* 1.4885	* 1.5548	* 1.7710	* 1.5173	* 1.8139	* .9022
	* 2.1136	* 2.0758	* 1.9600	* 1.8849	* 1.6605	* 1.9250	* 1.6014	* 3.1556
11	* 1.4494	* 1.7707	* 1.5537	* 1.7941	* 1.4482	* 1.7680	* 1.6309	* .7896
	* 1.9598	* 1.6232	* 1.8861	* 1.6525	* 2.0471	* 1.6839	* 1.8205	* 3.6618
12	* 1.7869	* 1.4933	* 1.7709	* 1.4478	* 1.4110	* 1.6840	* 1.0013	*
	* 1.5922	* 1.9168	* 1.6607	* 2.0477	* 2.0925	* 1.7576	* 2.9450	*
13	* 1.4082	* 1.5152	* 1.5168	* 1.7679	* 1.6837	* 1.0282	* .5781	*
	* 2.0128	* 1.8809	* 1.9252	* 1.6840	* 1.7579	* 2.8536	* 5.0452	*
14	* 1.8370	* 1.8409	* 1.8138	* 1.6297	* 1.0004	* .5777	*	*
	* 1.5527	* 1.5548	* 1.6015	* 1.8220	* 2.9474	* 5.0488	*	*
15	* .9676	* .9559	* .9024	* .7525	* F-SUB-Q			
	* 2.9109	* 2.9511	* 3.1549	* 3.8423	* M-SUB-Q			

AT 50% POWER, 350 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2279	* 1.3958	* 1.3520	* 1.4366	* 1.7600	* 1.3944	* 1.8027	* .9644
	* 2.2578	* 1.9886	* 1.9778	* 1.8437	* 1.5060	* 1.8960	* 1.4741	* 2.7265
9	* 1.3958	* 1.7079	* 1.3781	* 1.7434	* 1.4809	* 1.4983	* 1.8067	* .9596
	* 1.9886	* 1.6000	* 1.9411	* 1.5343	* 1.8032	* 1.7731	* 1.4754	* 2.7442
10	* 1.3523	* 1.3778	* 1.5021	* 1.5472	* 1.7477	* 1.5089	* 1.7861	* .9137
	* 1.9774	* 1.9416	* 1.8090	* 1.7584	* 1.5632	* 1.8024	* 1.5122	* 2.9066
11	* 1.4367	* 1.7432	* 1.5462	* 1.7739	* 1.4552	* 1.7563	* 1.6152	* .8038
	* 1.8436	* 1.5345	* 1.7596	* 1.5457	* 1.8897	* 1.5768	* 1.7005	* 3.3494
12	* 1.7600	* 1.4806	* 1.7476	* 1.4548	* 1.4352	* 1.6867	* 1.0294	*
	* 1.5060	* 1.8036	* 1.5633	* 1.8902	* 1.9412	* 1.6548	* 2.6956	*
13	* 1.3944	* 1.4992	* 1.5084	* 1.7561	* 1.6863	* 1.0631	* .5982	*
	* 1.8960	* 1.7722	* 1.8027	* 1.5769	* 1.6551	* 2.6100	* 4.6144	*
14	* 1.8027	* 1.8078	* 1.7858	* 1.6139	* 1.0285	* .5977	*	*
	* 1.4741	* 1.4745	* 1.5124	* 1.7020	* 2.6982	* 4.6178	*	*
15	* .9645	* .9635	* .9139	* .7642	* F-SUB-Q			
	* 2.7263	* 2.7335	* 2.9062	* 3.5231	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.2203	* 1.3908	* 1.3399	* 1.4213	* 1.7405	* 1.3748	* 1.7783	* .9399
	* 2.1083	* 1.8500	* 1.8781	* 1.7580	* 1.4358	* 1.8157	* 1.4096	* 2.6452

9	* 1.3908	* 1.6969	* 1.3659	* 1.7247	* 1.4650	* 1.4810	* 1.7835	* .9251
	* 1.8500	* 1.5123	* 1.8435	* 1.4599	* 1.7174	* 1.6934	* 1.4094	* 2.6915

10	* 1.3400	* 1.3656	* 1.4730	* 1.5344	* 1.7311	* 1.4964	* 1.7664	* .8818
	* 1.8779	* 1.8439	* 1.7308	* 1.6623	* 1.4804	* 1.7144	* 1.4385	* 2.8448

11	* 1.4214	* 1.7246	* 1.5334	* 1.7580	* 1.4353	* 1.7441	* 1.6028	* .7773
	* 1.7579	* 1.4601	* 1.6633	* 1.4635	* 1.7973	* 1.4841	* 1.6084	* 3.2623

12	* 1.7405	* 1.4647	* 1.7309	* 1.4348	* 1.4182	* 1.6827	* .9983	*
	* 1.4358	* 1.7178	* 1.4805	* 1.7978	* 1.8417	* 1.5566	* 2.5948	*

13	* 1.3748	* 1.4816	* 1.4958	* 1.7439	* 1.6823	* 1.0432	* .5830	*
	* 1.8157	* 1.6925	* 1.7147	* 1.4844	* 1.5570	* 2.5168	* 4.4707	*

14	* 1.7783	* 1.7845	* 1.7659	* 1.6012	* .9973	* .5825	*	*
	* 1.4096	* 1.4086	* 1.4389	* 1.6101	* 2.5976	* 4.4744	*	*

15	* .9413	* .9287	* .8817	* .7395	* F-SUB-Q			
	* 2.6414	* 2.6813	* 2.8450	* 3.4292	* M-SUB-Q			

AT 50% POWER, 350 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.1575	* 1.3195	* 1.2642	* 1.3375	* 1.6156	* 1.2913	* 1.6468	* .8788
	* 2.1078	* 1.8528	* 1.8968	* 1.7835	* 1.4755	* 1.8479	* 1.4535	* 2.7096

9	* 1.3195	* 1.5793	* 1.2893	* 1.5985	* 1.3783	* 1.3938	* 1.6533	* .8666
	* 1.8528	* 1.5395	* 1.8609	* 1.5003	* 1.7402	* 1.7186	* 1.4512	* 2.7518

10	* 1.2643	* 1.2891	* 1.3878	* 1.4494	* 1.6048	* 1.4080	* 1.6398	* .8266
	* 1.8966	* 1.8612	* 1.7393	* 1.6710	* 1.5156	* 1.7298	* 1.4760	* 2.9039

11	* 1.3375	* 1.5984	* 1.4485	* 1.6313	* 1.3550	* 1.6211	* 1.4889	* .7309
	* 1.7834	* 1.5004	* 1.6720	* 1.4926	* 1.8105	* 1.5173	* 1.6429	* 3.3130

12	* 1.6156	* 1.3780	* 1.6047	* 1.3546	* 1.3434	* 1.5707	* .9366	*
	* 1.4755	* 1.7405	* 1.5158	* 1.8111	* 1.8390	* 1.5765	* 2.6309	*

13	* 1.2913	* 1.3942	* 1.4072	* 1.6208	* 1.5702	* .9903	* .5498	*
	* 1.8479	* 1.7178	* 1.7309	* 1.5177	* 1.5770	* 2.5068	* 4.5040	*

14	* 1.6468	* 1.6542	* 1.6391	* 1.4869	* .9355	* .5493	*	*
	* 1.4535	* 1.4504	* 1.4767	* 1.6452	* 2.6343	* 4.5081	*	*

15	* .8793	* .8698	* .8263	* .6933	* F-SUB-Q			
	* 2.7080	* 2.7418	* 2.9050	* 3.4931	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9784	* 1.1148	* 1.0525	* 1.1083	* 1.3274	* 1.0747	* 1.3424	* .7290
	* 2.3876	* 2.0952	* 2.1932	* 2.0726	* 1.7285	* 2.1416	* 1.7180	* 3.1589
9	* 1.1148	* 1.3193	* 1.0723	* 1.3236	* 1.1368	* 1.1646	* 1.3469	* .7257
	* 2.0952	* 1.7667	* 2.1529	* 1.7415	* 2.0305	* 1.9864	* 1.7157	* 3.1778
10	* 1.0526	* 1.0720	* 1.1734	* 1.2194	* 1.3344	* 1.1733	* 1.3348	* .6873
	* 2.1928	* 2.1534	* 1.9760	* 1.9058	* 1.7461	* 1.9932	* 1.7442	* 3.3750
11	* 1.1084	* 1.3235	* 1.2188	* 1.3572	* 1.1393	* 1.3285	* 1.2130	* .6109
	* 2.0725	* 1.7417	* 1.9066	* 1.7179	* 2.0591	* 1.7700	* 1.9360	* 3.8263
12	* 1.3274	* 1.1366	* 1.3343	* 1.1390	* 1.1324	* 1.2827		* .7734
	* 1.7285	* 2.0309	* 1.7464	* 2.0597	* 2.0967	* 1.8558	* 3.0696	
13	* 1.0747	* 1.1648	* 1.1725	* 1.3282	* 1.2821	* .8335	* .4573	
	* 2.1416	* 1.9856	* 1.9949	* 1.7706	* 1.8567	* 2.8663	* 5.2250	
14	* 1.3424	* 1.3475	* 1.3341	* 1.2109	* .7722	* .4569		
	* 1.7180	* 1.7150	* 1.7453	* 1.9396	* 3.0747	* 5.2300		
15	* .7298	* .7280	* .6869	* .5768	F-SUB-Q			
	* 3.1555	* 3.1679	* 3.3772	* 4.0524	M-SUB-Q			

AT 50% POWER, 350 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .4876	* .5169	* .4888	* .5243	* .6180	* .5185	* .5858	* .3563
	* 4.6074	* 4.3428	* 4.5545	* 4.2269	* 3.5848	* 4.2937	* 3.7984	* 6.2566
9	* .5169	* .5948	* .5094	* .6265	* .5345	* .5341	* .5873	* .3421
	* 4.3428	* 3.7651	* 4.3709	* 3.5517	* 4.1640	* 4.1788	* 3.7950	* 6.5241
10	* .4888	* .5093	* .5504	* .5794	* .6377	* .5393	* .5813	* .3249
	* 4.5542	* 4.3715	* 4.0662	* 3.8631	* 3.5189	* 4.1744	* 3.8602	* 6.9060
11	* .5243	* .6264	* .5793	* .6420	* .5475	* .6151	* .5527	* .2874
	* 4.2269	* 3.5520	* 3.8641	* 3.4937	* 4.1183	* 3.6789	* 4.0923	* 7.8701
12	* .6180	* .5345	* .6377	* .5474	* .5277	* .5623	* .3725	
	* 3.5847	* 4.1647	* 3.5193	* 4.1192	* 4.3057	* 4.0743	* 6.1409	
13	* .5185	* .5341	* .5391	* .6149	* .5620	* .3950	* .2246	
	* 4.2937	* 4.1777	* 4.1762	* 3.6807	* 4.0764	* 5.8453	* 10.3097	
14	* .5858	* .5875	* .5809	* .5518	* .3719	* .2243		
	* 3.7984	* 3.7938	* 3.8636	* 4.0993	* 6.1524	* 10.3229		
15	* .3566	* .3431	* .3247	* .2726	F-SUB-Q			
	* 6.2565	* 6.5058	* 6.9115	* 8.2976	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .3733 *	* .4953 *	* .5283 *	* .5924 *	* .6791 *	* .5561 *	* .4717 *	* .2822 *
	* 4.4021 *	* 4.5335 *	* 4.5005 *	* 4.1240 *	* 3.6052 *	* 4.1705 *	* 3.7985 *	* 5.9280 *
9	* .4953 *	* .5514 *	* .5209 *	* .6637 *	* .5985 *	* .5884 *	* .5916 *	* .3457 *
	* 4.5335 *	* 4.0743 *	* 4.3693 *	* 3.6517 *	* 4.0835 *	* 4.0611 *	* 3.8092 *	* 6.2183 *
10	* .5283 *	* .5210 *	* .4681 *	* .5900 *	* .6778 *	* .6058 *	* .6272 *	* .3616 *
	* 4.5008 *	* 4.3702 *	* 4.1344 *	* 4.0206 *	* 3.5740 *	* 3.9618 *	* 3.8269 *	* 6.5851 *
11	* .5924 *	* .6638 *	* .5898 *	* .6279 *	* .5766 *	* .6488 *	* .6050 *	* .3373 *
	* 4.1242 *	* 3.6511 *	* 4.0214 *	* 3.7790 *	* 4.1361 *	* 3.6660 *	* 3.9244 *	* 7.0436 *
12	* .6791 *	* .5985 *	* .6775 *	* .5761 *	* .4361 *	* .5295 *	* .3977 *	
	* 3.6052 *	* 4.0845 *	* 3.5765 *	* 4.1401 *	* 4.1716 *	* 4.1484 *	* 5.8741 *	
13	* .5561 *	* .5880 *	* .6050 *	* .6478 *	* .5283 *	* .3480 *	* .2475 *	
	* 4.1705 *	* 4.0614 *	* 3.9675 *	* 3.6723 *	* 4.1520 *	* 5.5747 *	* 9.2284 *	
14	* .4717 *	* .5907 *	* .6248 *	* .6020 *	* .3961 *	* .2469 *		
	* 3.7985 *	* 3.8095 *	* 3.8427 *	* 3.9450 *	* 5.8991 *	* 9.2479 *		
15	* .2824 *	* .3443 *	* .3590 *	* .3187 *	F-SUB-Q			
	* 5.9283 *	* 6.2129 *	* 6.6018 *	* 7.4577 *	M-SUB-Q			

AT 50% POWER, 465 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .7168 *	* .9674 *	* 1.0392 *	* 1.1480 *	* 1.3204 *	* 1.0676 *	* .9545 *	* .5382 *
	* 2.5930 *	* 2.3776 *	* 2.3647 *	* 2.2000 *	* 1.9139 *	* 2.2300 *	* 1.8902 *	* 3.2044 *
9	* .9674 *	* 1.1069 *	* 1.0085 *	* 1.2768 *	* 1.1673 *	* 1.1552 *	* 1.2250 *	* .6975 *
	* 2.3776 *	* 2.0981 *	* 2.3384 *	* 1.9559 *	* 2.1667 *	* 2.1022 *	* 1.8936 *	* 3.1965 *
10	* 1.0391 *	* 1.0086 *	* .9136 *	* 1.1378 *	* 1.2948 *	* 1.2030 *	* 1.3026 *	* .7278 *
	* 2.3648 *	* 2.3386 *	* 2.1846 *	* 2.1516 *	* 1.9677 *	* 2.0964 *	* 1.9339 *	* 3.3530 *
11	* 1.1479 *	* 1.2770 *	* 1.1373 *	* 1.2099 *	* 1.1042 *	* 1.2747 *	* 1.2102 *	* .6963 *
	* 2.2001 *	* 1.9558 *	* 2.1521 *	* 2.0164 *	* 2.2676 *	* 1.9586 *	* 2.0601 *	* 3.5866 *
12	* 1.3204 *	* 1.1673 *	* 1.2942 *	* 1.1034 *	* .8816 *	* 1.0946 *	* .7903 *	
	* 1.9139 *	* 2.1666 *	* 1.9689 *	* 2.2681 *	* 2.2156 *	* 2.0523 *	* 3.1025 *	
13	* 1.0676 *	* 1.1546 *	* 1.2004 *	* 1.2718 *	* 1.0927 *	* .6894 *	* .4819 *	
	* 2.2300 *	* 2.1022 *	* 2.1010 *	* 1.9634 *	* 2.0536 *	* 2.8978 *	* 4.8919 *	
14	* .9545 *	* 1.2235 *	* 1.2982 *	* 1.2054 *	* .7876 *	* .4810 *		
	* 1.8902 *	* 1.8934 *	* 1.9367 *	* 2.0687 *	* 3.1137 *	* 4.8969 *		
15	* .5386 *	* .6952 *	* .7237 *	* .6473 *	F-SUB-Q			
	* 3.2016 *	* 3.1896 *	* 3.3596 *	* 3.8592 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8428	* 1.1104	* 1.2090	* 1.3391	* 1.5566	* 1.2376	* 1.1548	* .6524
	* 2.3691	* 2.1349	* 2.0913	* 1.9398	* 1.6687	* 1.9575	* 1.6292	* 2.7771
9	* 1.1104	* 1.2904	* 1.1800	* 1.4964	* 1.3684	* 1.3325	* 1.4548	* .8319
	* 2.1349	* 1.8499	* 2.0485	* 1.7149	* 1.8993	* 1.8456	* 1.6288	* 2.7525
10	* 1.2090	* 1.1801	* 1.0896	* 1.3094	* 1.5062	* 1.4000	* 1.5419	* .8493
	* 2.0912	* 2.0483	* 1.9473	* 1.9084	* 1.7471	* 1.8601	* 1.6731	* 2.8749
11	* 1.3391	* 1.4965	* 1.3088	* 1.4142	* 1.2748	* 1.5084	* 1.4267	* .8166
	* 1.9398	* 1.7149	* 1.9089	* 1.7654	* 2.0156	* 1.7050	* 1.7995	* 3.1558
12	* 1.5566	* 1.3684	* 1.5056	* 1.2740	* 1.0354	* 1.2826		* .9484
	* 1.6687	* 1.8992	* 1.7480	* 2.0160	* 1.9968	* 1.7902		* 2.6625
13	* 1.2376	* 1.3316	* 1.3976	* 1.5056	* 1.2808	* .7988		* .5696
	* 1.9575	* 1.8453	* 1.8637	* 1.7084	* 1.7908	* 2.5372		* 4.2181
14	* 1.1547	* 1.4532	* 1.5377	* 1.4222	* .9457	* .5686		
	* 1.6292	* 1.6285	* 1.6750	* 1.8056	* 2.6705	* 4.2227		
15	* .6537	* .8297	* .8455	* .7697	F-SUB-Q			
	* 2.7716	* 2.7451	* 2.8791	* 3.3495	M-SUB-Q			

AT 50% POWER, 465 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8822	* 1.1728	* 1.2781	* 1.4200	* 1.6833	* 1.3121	* 1.2593	* .6986
	* 2.3472	* 2.0998	* 2.0590	* 1.9003	* 1.6019	* 1.9050	* 1.5425	* 2.7007
9	* 1.1728	* 1.4021	* 1.2516	* 1.6269	* 1.4528	* 1.4175	* 1.5910	* .8731
	* 2.0998	* 1.7688	* 2.0132	* 1.6390	* 1.8575	* 1.7937	* 1.5447	* 2.7151
10	* 1.2781	* 1.2515	* 1.1487	* 1.3913	* 1.6310	* 1.4863	* 1.6748	* .8935
	* 2.0590	* 2.0130	* 1.9087	* 1.8614	* 1.6703	* 1.8110	* 1.5915	* 2.8535
11	* 1.4199	* 1.6269	* 1.3908	* 1.5339	* 1.3423	* 1.6287	* 1.5415	* .8444
	* 1.9004	* 1.6389	* 1.8620	* 1.6894	* 1.9753	* 1.6295	* 1.7187	* 3.1558
12	* 1.6833	* 1.4528	* 1.6304	* 1.3417	* 1.0815	* 1.3776		* .9790
	* 1.6019	* 1.8575	* 1.6711	* 1.9757	* 1.9626	* 1.7205		* 2.6602
13	* 1.3121	* 1.4169	* 1.4842	* 1.6264	* 1.3760	* .8190		* .5817
	* 1.9050	* 1.7933	* 1.8139	* 1.6322	* 1.7208	* 2.5372		* 4.2181
14	* 1.2593	* 1.5897	* 1.6711	* 1.5376	* .9766	* .5808		
	* 1.5425	* 1.5443	* 1.5928	* 1.7234	* 2.6669	* 4.2227		
15	* .6994	* .8714	* .8904	* .7954	F-SUB-Q			
	* 2.7005	* 2.7070	* 2.8563	* 3.3495	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .8993	* 1.1884	* 1.2962	* 1.4370	* 1.7156	* 1.3374	* 1.3246	* .7448
	* 2.4605	* 2.1954	* 2.1516	* 1.9782	* 1.6542	* 1.9779	* 1.5839	* 2.7901
9	* 1.1884	* 1.4422	* 1.2754	* 1.6643	* 1.4714	* 1.4431	* 1.6453	* .9007
	* 2.1954	* 1.8303	* 2.1048	* 1.6894	* 1.9303	* 1.8642	* 1.5874	* 2.7971
10	* 1.2963	* 1.2753	* 1.1861	* 1.4129	* 1.6592	* 1.4984	* 1.7100	* .9117
	* 2.1515	* 2.1047	* 1.9952	* 1.9367	* 1.7185	* 1.8765	* 1.6306	* 2.9407
11	* 1.4370	* 1.6643	* 1.4123	* 1.5672	* 1.3481	* 1.6466	* 1.5548	* .8545
	* 1.9782	* 1.6894	* 1.9375	* 1.7420	* 2.0605	* 1.6792	* 1.7756	* 3.2641
12	* 1.7156	* 1.4713	* 1.6588	* 1.3476	* 1.0901	* 1.3857		* .9849
	* 1.6542	* 1.9303	* 1.7186	* 2.0609	* 2.0522	* 1.7810		* 2.7520
13	* 1.3374	* 1.4427	* 1.4967	* 1.6446	* 1.3844	* .8165	* .5785	
	* 1.9779	* 1.8636	* 1.8791	* 1.6816	* 1.7812	* 2.6565	* 4.4376	
14	* 1.3246	* 1.6445	* 1.7082	* 1.5516	* .9828	* .5777		
	* 1.5839	* 1.5868	* 1.6317	* 1.7797	* 2.7582	* 4.4416		
15	* .7458	* .8994	* .9103	* .8070	* F-SUB-Q			
	* 2.7866	* 2.7881	* 2.9429	* 3.4579	* M-SUB-Q			

AT 50% POWER, 465 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9136	* 1.2085	* 1.3091	* 1.4427	* 1.7271	* 1.3632	* 1.4581	* .8435
	* 2.6149	* 2.3309	* 2.2876	* 2.0921	* 1.7433	* 2.0906	* 1.6679	* 2.9268
9	* 1.2085	* 1.4775	* 1.3001	* 1.6811	* 1.4774	* 1.4679	* 1.6943	* .9319
	* 2.3309	* 1.9389	* 2.2368	* 1.7823	* 2.0385	* 1.9690	* 1.6708	* 2.9248
10	* 1.3092	* 1.3000	* 1.2829	* 1.4296	* 1.6635	* 1.4931	* 1.7288	* .9404
	* 2.2875	* 2.2368	* 2.1208	* 2.0550	* 1.8019	* 1.9907	* 1.7074	* 3.0773
11	* 1.4427	* 1.6812	* 1.4290	* 1.5845	* 1.3475	* 1.6358	* 1.5472	* .8600
	* 2.0921	* 1.7824	* 2.0558	* 1.8404	* 2.1915	* 1.7817	* 1.8831	* 3.4302
12	* 1.7271	* 1.4773	* 1.6633	* 1.3471	* 1.0879	* 1.3699	* .9825	
	* 1.7433	* 2.0386	* 1.8021	* 2.1919	* 2.1907	* 1.8961	* 2.9045	
13	* 1.3632	* 1.4678	* 1.4917	* 1.6342	* 1.3688	* .8079	* .5716	
	* 2.0906	* 1.9684	* 1.9930	* 1.7839	* 1.8963	* 2.8219	* 4.7180	
14	* 1.4581	* 1.6940	* 1.7274	* 1.5451	* .9807		* .5708	
	* 1.6679	* 1.6701	* 1.7086	* 1.8870	* 2.9104	* 4.7220		
15	* .8446	* .9309	* .9395	* .8150	* F-SUB-Q			
	* 2.9230	* 2.9152	* 3.0789	* 3.6219	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9186	* 1.2240	* 1.3297	* 1.4569	* 1.7523	* 1.3986	* 1.6902	* .9478
	* 2.7799	* 2.4717	* 2.4048	* 2.2021	* 1.8247	* 2.2016	* 1.7474	* 3.1059
9	* 1.2240	* 1.5432	* 1.3346	* 1.7119	* 1.4922	* 1.5061	* 1.7659	* .9568
	* 2.4717	* 2.0334	* 2.3559	* 1.8631	* 2.1451	* 2.0663	* 1.7446	* 3.1124
10	* 1.3298	* 1.3344	* 1.3795	* 1.4600	* 1.6877	* 1.5057	* 1.7638	* .9571
	* 2.4047	* 2.3560	* 2.2307	* 2.1561	* 1.8900	* 2.0992	* 1.7797	* 3.2433
11	* 1.4569	* 1.7119	* 1.4594	* 1.6285	* 1.3498	* 1.6377	* 1.5489	* .8520
	* 2.2021	* 1.8631	* 2.1570	* 1.9231	* 2.3289	* 1.8949	* 2.0023	* 3.6830
12	* 1.7523	* 1.4921	* 1.6875	* 1.3494	* 1.0788	* 1.3632	* .9620	*
	* 1.8247	* 2.1452	* 1.8901	* 2.3292	* 2.3420	* 2.0129	* 3.1589	*
13	* 1.3986	* 1.5061	* 1.5050	* 1.6364	* 1.3623	* .7880	* .5552	*
	* 2.2016	* 2.0656	* 2.1000	* 1.8970	* 2.0131	* 3.0446	* 5.1133	*
14	* 1.6902	* 1.7658	* 1.7626	* 1.5472	* .9605	* .5546	*	*
	* 1.7474	* 1.7440	* 1.7808	* 2.0060	* 3.1648	* 5.1173	*	*
15	* .9491	* .9581	* .9565	* .8061	* F-SUB-Q			
	* 3.1018	* 3.1021	* 3.2449	* 3.8944	* M-SUB-Q			

AT 50% POWER, 465 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9257	* 1.2395	* 1.3422	* 1.4640	* 1.7645	* 1.4372	* 1.8041	* 1.0101
	* 2.9844	* 2.6546	* 2.5828	* 2.3663	* 1.9553	* 2.3409	* 1.8459	* 3.2765
9	* 1.2395	* 1.5834	* 1.3616	* 1.7274	* 1.4993	* 1.5339	* 1.8120	* 1.0090
	* 2.6546	* 2.1738	* 2.5281	* 1.9975	* 2.3048	* 2.2017	* 1.8485	* 3.2909
10	* 1.3424	* 1.3615	* 1.4286	* 1.4785	* 1.6973	* 1.5121	* 1.7817	* .9738
	* 2.5826	* 2.5283	* 2.3941	* 2.3181	* 2.0261	* 2.2515	* 1.9025	* 3.4628
11	* 1.4640	* 1.7274	* 1.4778	* 1.6576	* 1.3535	* 1.6299	* 1.5462	* .8499
	* 2.3663	* 1.9975	* 2.3192	* 2.0670	* 2.5064	* 2.0432	* 2.1565	* 3.9334
12	* 1.7645	* 1.4992	* 1.6972	* 1.3531	* 1.0729	* 1.3499	* .9506	*
	* 1.9553	* 2.3049	* 2.0263	* 2.5068	* 2.5120	* 2.1538	* 3.4315	*
13	* 1.4372	* 1.5344	* 1.5116	* 1.6287	* 1.3490	* .7752	* .5450	*
	* 2.3409	* 2.2010	* 2.2526	* 2.0450	* 2.1540	* 3.2756	* 5.5040	*
14	* 1.8042	* 1.8127	* 1.7809	* 1.5447	* .9492	* .5444	*	*
	* 1.8459	* 1.8478	* 1.9032	* 2.1599	* 3.4349	* 5.5083	*	*
15	* 1.0115	* 1.0124	* .9734	* .8045	* F-SUB-Q			
	* 3.2721	* 3.2796	* 3.4640	* 4.1572	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9271	* 1.2441	* 1.3502	* 1.4688	* 1.7758	* 1.4621	* 1.8522	* 1.0359
	* 3.2491	* 2.8858	* 2.7877	* 2.5424	* 2.0933	* 2.5350	* 1.9863	* 3.5389
9	* 1.2441	* 1.6071	* 1.3748	* 1.7402	* 1.5039	* 1.5548	* 1.8498	* 1.0279
	* 2.8858	* 2.3536	* 2.7417	* 2.1417	* 2.4743	* 2.3858	* 1.9921	* 3.5724
10	* 1.3503	* 1.3746	* 1.4463	* 1.4906	* 1.7055	* 1.5153	* 1.7952	* .9766
	* 2.7875	* 2.7420	* 2.5994	* 2.5037	* 2.1701	* 2.4121	* 2.0288	* 3.7505
11	* 1.4688	* 1.7402	* 1.4899	* 1.6716	* 1.3473	* 1.6267	* 1.5429	* .8424
	* 2.5424	* 2.1418	* 2.5049	* 2.2222	* 2.7292	* 2.2145	* 2.3347	* 4.2724
12	* 1.7758	* 1.5038	* 1.7055	* 1.3470	* 1.0639	* 1.3416		* .9357
	* 2.0933	* 2.4746	* 2.1703	* 2.7297	* 2.7348	* 2.3324		* 3.7556
13	* 1.4621	* 1.5554	* 1.5149	* 1.6256	* 1.3408	* .7620	* .5344	
	* 2.5350	* 2.3849	* 2.4131	* 2.2162	* 2.3326	* 3.5804	* 6.0246	
14	* 1.8522	* 1.8505	* 1.7947	* 1.5416	* .9344	* .5339		
	* 1.9863	* 1.9912	* 2.0298	* 2.3381	* 3.7592	* 6.0291		
15	* 1.0373	* 1.0315	* .9764	* .8012	* F-SUB-Q			
	* 3.5341	* 3.5598	* 3.7523	* 4.4936	* M-SUB-Q			

AT 50% POWER, 465 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9369	* 1.2554	* 1.3384	* 1.4513	* 1.7505	* 1.4546	* 1.8387	* 1.0462
	* 3.5855	* 3.1946	* 3.0618	* 2.8011	* 2.3100	* 2.7603	* 2.1738	* 3.8174
9	* 1.2554	* 1.5901	* 1.3634	* 1.7158	* 1.4857	* 1.5437	* 1.8327	* 1.0486
	* 3.1946	* 2.5869	* 3.0032	* 2.3652	* 2.7257	* 2.5940	* 2.1753	* 3.8080
10	* 1.3385	* 1.3632	* 1.4383	* 1.4737	* 1.6786	* 1.4969	* 1.7687	* .9909
	* 3.0615	* 3.0035	* 2.8358	* 2.7572	* 2.4050	* 2.6557	* 2.2362	* 3.9967
11	* 1.4513	* 1.7158	* 1.4730	* 1.6469	* 1.3530	* 1.5953	* 1.5267	* .8503
	* 2.8011	* 2.3654	* 2.7585	* 2.4602	* 2.9924	* 2.4747	* 2.5886	* 4.6134
12	* 1.7505	* 1.4856	* 1.6785	* 1.3527	* 1.0633	* 1.3182	* .9436	
	* 2.3100	* 2.7260	* 2.4051	* 2.9932	* 3.0451	* 2.6020	* 4.0641	
13	* 1.4546	* 1.5443	* 1.4966	* 1.5944	* 1.3176	* .7653	* .5373	
	* 2.7603	* 2.5931	* 2.6566	* 2.4764	* 2.6022	* 3.8954	* 6.5324	
14	* 1.8387	* 1.8335	* 1.7683	* 1.5255	* .9424	* .5367		
	* 2.1737	* 2.1745	* 2.2370	* 2.5911	* 4.0678	* 6.5372		
15	* 1.0476	* 1.0523	* .9908	* .8085	* F-SUB-Q			
	* 3.8122	* 3.7948	* 3.9979	* 4.8534	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9296	* 1.2390	* 1.3372	* 1.4495	* 1.7578	* 1.4535	* 1.8543	* 1.0401
	* 3.9180	* 3.4615	* 3.3840	* 3.0958	* 2.5379	* 3.0273	* 2.3580	* 4.1909
9	* 1.2390	* 1.6044	* 1.3613	* 1.7243	* 1.4835	* 1.5433	* 1.8471	* 1.0307
	* 3.4615	* 2.8329	* 3.3202	* 2.5996	* 3.0124	* 2.8472	* 2.3652	* 4.2305
10	* 1.3373	* 1.3612	* 1.4311	* 1.4734	* 1.6854	* 1.4931	* 1.7792	* .9703
	* 3.3837	* 3.3206	* 3.1491	* 3.0513	* 2.6498	* 2.9366	* 2.4480	* 4.4795
11	* 1.4495	* 1.7243	* 1.4726	* 1.6548	* 1.3288	* 1.6000	* 1.5214	* .8297
	* 3.0957	* 2.5996	* 3.0529	* 2.7131	* 3.3292	* 2.7378	* 2.8749	* 5.2184
12	* 1.7578	* 1.4834	* 1.6853	* 1.3284	* 1.0523	* 1.3213	* .9191	*
	* 2.5379	* 3.0128	* 2.6500	* 3.3298	* 3.3577	* 2.8510	* 4.5732	*
13	* 1.4535	* 1.5440	* 1.4929	* 1.5993	* 1.3207	* .7528	* .5235	*
	* 3.0273	* 2.8460	* 2.9374	* 2.7397	* 2.8513	* 4.3903	* 7.3763	*
14	* 1.8544	* 1.8479	* 1.7789	* 1.5204	* .9180	* .5230	*	*
	* 2.3580	* 2.3641	* 2.4486	* 2.8793	* 4.5773	* 7.3816	*	*
15	* 1.0415	* 1.0344	* .9703	* .7854	* F-SUB-Q			
	* 4.1852	* 4.2154	* 4.4803	* 5.5149	* M-SUB-Q			

AT 50% POWER, 465 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9377	* 1.2337	* 1.3259	* 1.4348	* 1.7419	* 1.4394	* 1.8403	* 1.0332
	* 3.9247	* 3.4684	* 3.5738	* 3.2932	* 2.7175	* 3.2880	* 2.5853	* 4.5781
9	* 1.2337	* 1.5964	* 1.3488	* 1.7098	* 1.4680	* 1.5282	* 1.8324	* 1.0243
	* 3.4684	* 2.8480	* 3.5158	* 2.7768	* 3.2207	* 3.1049	* 2.5998	* 4.6202
10	* 1.3260	* 1.3486	* 1.4174	* 1.4597	* 1.6706	* 1.4779	* 1.7638	* .9630
	* 3.5735	* 3.5162	* 3.2996	* 3.1731	* 2.8053	* 3.2161	* 2.7141	* 4.9297
11	* 1.4348	* 1.7098	* 1.4590	* 1.6416	* 1.3189	* 1.5862	* 1.5093	* .8226
	* 3.2932	* 2.7768	* 3.1743	* 2.7650	* 3.3500	* 2.8032	* 3.0375	* 5.7656
12	* 1.7419	* 1.4678	* 1.6706	* 1.3185	* 1.0562	* 1.3165	* .9137	*
	* 2.7175	* 3.2211	* 2.8053	* 3.3507	* 3.4183	* 2.9124	* 4.6343	*
13	* 1.4394	* 1.5289	* 1.4777	* 1.5856	* 1.3160	* .7560	* .5209	*
	* 3.2880	* 3.1035	* 3.2170	* 2.8032	* 2.9127	* 4.4813	* 7.5144	*
14	* 1.8404	* 1.8333	* 1.7636	* 1.5083	* .9127	* .5204	*	*
	* 2.5853	* 2.5986	* 2.7145	* 3.0399	* 4.6383	* 7.5192	*	*
15	* 1.0346	* 1.0281	* .9631	* .7794	* F-SUB-Q			
	* 4.5718	* 4.6040	* 4.9296	* 6.0849	* M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9456	* 1.2341	* 1.3061	* 1.4096	* 1.7080	* 1.4152	* 1.8047	* 1.0247 *
	* 3.9352	* 3.5065	* 3.4464	* 3.1766	* 2.6254	* 3.1634	* 2.4927	* 4.3651 *
9	* 1.2341	* 1.5705	* 1.3280	* 1.6775	* 1.4420	* 1.5018	* 1.7968	* 1.0248 *
	* 3.5065	* 2.8860	* 3.3935	* 2.6819	* 3.1072	* 2.9902	* 2.5081	* 4.3671 *
10	* 1.3062	* 1.3278	* 1.4012	* 1.4350	* 1.6386	* 1.4528	* 1.7294	* .9637 *
	* 3.4461	* 3.3939	* 3.2388	* 3.1622	* 2.7674	* 3.1169	* 2.6232	* 4.6675 *
11	* 1.4096	* 1.6775	* 1.4343	* 1.6117	* 1.3163	* 1.5569	* 1.4901	* .8235 *
	* 3.1765	* 2.6820	* 3.1638	* 2.8064	* 3.3817	* 2.8475	* 3.0710	* 5.5001 *
12	* 1.7080	* 1.4418	* 1.6385	* 1.3159	* 1.0586	* 1.3000		* .9191 *
	* 2.6254	* 3.1075	* 2.7675	* 3.3824	* 3.4418	* 2.9620		* 4.6042 *
13	* 1.4152	* 1.5025	* 1.4527	* 1.5563	* 1.2996	* .7644	* .5244	*
	* 3.1634	* 2.9888	* 3.1172	* 2.8474	* 2.9623	* 4.4719	* 7.4859	*
14	* 1.8047	* 1.7977	* 1.7293	* 1.4892	* .9182	* .5239		*
	* 2.4927	* 2.5069	* 2.6234	* 3.0729	* 4.6080	* 7.4910		*
15	* 1.0261	* 1.0286	* .9637	* .7839	F-SUB-Q			
	* 4.3590	* 4.3514	* 4.6671	* 5.7778	M-SUB-Q			

AT 50% POWER, 465 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9301	* 1.2123	* 1.2991	* 1.4017	* 1.7066	* 1.4040	* 1.8056	* 1.0111 *
	* 3.9397	* 3.4786	* 3.3220	* 3.0614	* 2.5173	* 3.0523	* 2.3843	* 4.2336 *
9	* 1.2123	* 1.5769	* 1.3202	* 1.6782	* 1.4337	* 1.4918	* 1.7979	* .9995 *
	* 3.4786	* 2.7712	* 3.2728	* 2.5693	* 2.9948	* 2.8823	* 2.3996	* 4.2868 *
10	* 1.2992	* 1.3200	* 1.3869	* 1.4297	* 1.6395	* 1.4440	* 1.7318	* .9388 *
	* 3.3217	* 3.2732	* 3.1277	* 3.0427	* 2.6513	* 3.0057	* 2.5103	* 4.5913 *
11	* 1.4017	* 1.6781	* 1.4289	* 1.6141	* 1.2900	* 1.5596	* 1.4829	* .8021 *
	* 3.0613	* 2.5693	* 3.0443	* 2.7122	* 3.3920	* 2.8263	* 2.9601	* 5.4186 *
12	* 1.7066	* 1.4335	* 1.6395	* 1.2897	* 1.0417	* 1.3030	* .8964	*
	* 2.5173	* 2.9952	* 2.6514	* 3.3926	* 3.4667	* 2.9410	* 4.6983	*
13	* 1.4040	* 1.4925	* 1.4439	* 1.5591	* 1.3026	* .7507	* .5123	*
	* 3.0523	* 2.8809	* 3.0059	* 2.8274	* 2.9412	* 4.5435	* 7.6095	*
14	* 1.8057	* 1.7988	* 1.7318	* 1.4821	* .8956	* .5119		*
	* 2.3843	* 2.3984	* 2.5103	* 2.9618	* 4.7018	* 7.6143		*
15	* 1.0125	* 1.0032	* .9390	* .7648	F-SUB-Q			
	* 4.2277	* 4.2712	* 4.5904	* 5.6829	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9245 *	* 1.2040 *	* 1.2900 *	* 1.3896 *	* 1.6948 *	* 1.3895 *	* 1.7930 *	* 1.0012 *
	* 3.5873 *	* 3.1778 *	* 3.2085 *	* 2.9647 *	* 2.4367 *	* 2.9649 *	* 2.3117 *	* 4.1054 *
9	* 1.2040 *	* 1.5737 *	* 1.3103 *	* 1.6686 *	* 1.4211 *	* 1.4770 *	* 1.7857 *	* .9872 *
	* 3.1778 *	* 2.6097 *	* 3.1642 *	* 2.4836 *	* 2.9026 *	* 2.8000 *	* 2.3265 *	* 4.1678 *
10	* 1.2901 *	* 1.3101 *	* 1.3772 *	* 1.4207 *	* 1.6312 *	* 1.4319 *	* 1.7223 *	* .9275 *
	* 3.2082 *	* 3.1647 *	* 3.0254 *	* 2.9432 *	* 2.5640 *	* 2.9176 *	* 2.4322 *	* 4.4640 *
11	* 1.3897 *	* 1.6686 *	* 1.4199 *	* 1.6080 *	* 1.2792 *	* 1.5546 *	* 1.4763 *	* .7934 *
	* 2.9646 *	* 2.4837 *	* 2.9449 *	* 2.5759 *	* 3.1350 *	* 2.6195 *	* 2.8198 *	* 5.2629 *
12	* 1.6948 *	* 1.4209 *	* 1.6312 *	* 1.2789 *	* 1.0348 *	* 1.3030 *		* .8908 *
	* 2.4367 *	* 2.9030 *	* 2.5640 *	* 3.1356 *	* 3.1863 *	* 2.7005 *		* 4.3149 *
13	* 1.3895 *	* 1.4778 *	* 1.4319 *	* 1.5542 *	* 1.3026 *	* .7488 *	* .5101 *	
	* 2.9649 *	* 2.7986 *	* 2.9177 *	* 2.6193 *	* 2.7007 *	* 4.1540 *	* 6.9076 *	
14	* 1.7930 *	* 1.7866 *	* 1.7223 *	* 1.4756 *	* .8900 *	* .5097 *		
	* 2.3117 *	* 2.3253 *	* 2.4322 *	* 2.8214 *	* 4.3178 *	* 6.9117 *		
15	* 1.0026 *	* .9910 *	* .9277 *	* .7566 *	F-SUB-Q			
	* 4.0998 *	* 4.1524 *	* 4.4630 *	* 5.5182 *	M-SUB-Q			

AT 50% POWER, 465 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9321 *	* 1.2091 *	* 1.2858 *	* 1.3807 *	* 1.6847 *	* 1.3774 *	* 1.7792 *	* .9950 *
	* 3.1944 *	* 2.8274 *	* 2.8992 *	* 2.7043 *	* 2.2317 *	* 2.7312 *	* 2.1362 *	* 3.7595 *
9	* 1.2091 *	* 1.5750 *	* 1.3056 *	* 1.6615 *	* 1.4120 *	* 1.4654 *	* 1.7729 *	* .9831 *
	* 2.8274 *	* 2.3170 *	* 2.8631 *	* 2.2658 *	* 2.6521 *	* 2.5769 *	* 2.1471 *	* 3.8062 *
10	* 1.2859 *	* 1.3054 *	* 1.3726 *	* 1.4174 *	* 1.6259 *	* 1.4244 *	* 1.7134 *	* .9249 *
	* 2.8989 *	* 2.8636 *	* 2.7247 *	* 2.6295 *	* 2.3241 *	* 2.6693 *	* 2.2322 *	* 4.0568 *
11	* 1.3808 *	* 1.6614 *	* 1.4166 *	* 1.6071 *	* 1.2827 *	* 1.5545 *	* 1.4762 *	* .7935 *
	* 2.7042 *	* 2.2659 *	* 2.6310 *	* 2.2909 *	* 2.7931 *	* 2.3322 *	* 2.5097 *	* 4.7379 *
12	* 1.6847 *	* 1.4118 *	* 1.6259 *	* 1.2824 *	* 1.0422 *	* 1.3123 *		* .8987 *
	* 2.2317 *	* 2.6525 *	* 2.3241 *	* 2.7936 *	* 2.8471 *	* 2.4096 *		* 3.8331 *
13	* 1.3774 *	* 1.4662 *	* 1.4244 *	* 1.5541 *	* 1.3120 *	* .7612 *	* .5176 *	
	* 2.7312 *	* 2.5756 *	* 2.6693 *	* 2.3320 *	* 2.4098 *	* 3.6962 *		* 6.1573 *
14	* 1.7793 *	* 1.7738 *	* 1.7135 *	* 1.4756 *	* .8980 *	* .5173 *		
	* 2.1361 *	* 2.1460 *	* 2.2320 *	* 2.5111 *	* 3.8356 *	* 6.1608 *		
15	* .9964 *	* .9869 *	* .9252 *	* .7528 *	F-SUB-Q			
	* 3.7543 *	* 3.7923 *	* 4.0557 *	* 4.9636 *	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9653	* 1.2341	* 1.2856	* 1.3735	* 1.6712	* 1.3670	* 1.7598	* .9991
	* 2.9422	* 2.6265	* 2.6621	* 2.4899	* 2.0583	* 2.5181	* 1.9748	* 3.4301
9	* 1.2341	* 1.5786	* 1.3050	* 1.6527	* 1.4044	* 1.4548	* 1.7546	* .9923
	* 2.6265	* 2.1573	* 2.6281	* 2.0874	* 2.4417	* 2.3754	* 1.9841	* 3.4530
10	* 1.2857	* 1.3047	* 1.3872	* 1.4188	* 1.6205	* 1.4203	* 1.7013	* .9363
	* 2.6618	* 2.6285	* 2.4929	* 2.4386	* 2.1486	* 2.4526	* 2.0580	* 3.6719
11	* 1.3735	* 1.6526	* 1.4179	* 1.6094	* 1.3094	* 1.5591	* 1.4852	* .8072
	* 2.4899	* 2.0875	* 2.4400	* 2.1326	* 2.5777	* 2.1716	* 2.3373	* 4.2741
12	* 1.6712	* 1.4042	* 1.6205	* 1.3091	* 1.0782	* 1.3390		* .9304
	* 2.0583	* 2.4421	* 2.1486	* 2.5782	* 2.6189	* 2.2470		* 3.4885
13	* 1.3670	* 1.4556	* 1.4202	* 1.5587	* 1.3388	* .8032	* .5410	
	* 2.5181	* 2.3742	* 2.4526	* 2.1714	* 2.2472	* 3.3862	* 5.6297	
14	* 1.7598	* 1.7555	* 1.7013	* 1.4847	* .9297	* .5407		
	* 1.9748	* 1.9831	* 2.0579	* 2.3386	* 3.4907	* 5.6330		
15	* 1.0005	* .9962	* .9366	* .7693	F-SUB-Q			
	* 3.4252	* 3.4404	* 3.6708	* 4.4837	M-SUB-Q			

AT 50% POWER, 465 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0335	* 1.2605	* 1.3041	* 1.3875	* 1.6965	* 1.3738	* 1.7838	* .9926
	* 2.6408	* 2.3345	* 2.3549	* 2.2056	* 1.8128	* 2.2400	* 1.7405	* 3.0861
9	* 1.2605	* 1.6290	* 1.3226	* 1.6847	* 1.4197	* 1.4653	* 1.7801	* .9773
	* 2.3345	* 1.8930	* 2.3248	* 1.8349	* 2.1627	* 2.1086	* 1.7474	* 3.1362
10	* 1.3042	* 1.3224	* 1.3954	* 1.4477	* 1.6578	* 1.4378	* 1.7343	* .9236
	* 2.3546	* 2.3252	* 2.2190	* 2.1508	* 1.8836	* 2.1693	* 1.8064	* 3.3322
11	* 1.3876	* 1.6846	* 1.4468	* 1.6580	* 1.3219	* 1.6101	* 1.5193	* .7999
	* 2.2055	* 1.8350	* 2.1521	* 1.8716	* 2.3025	* 1.9125	* 2.0498	* 3.8678
12	* 1.6965	* 1.4195	* 1.6579	* 1.3216	* 1.1593	* 1.4220		* .9420
	* 1.8128	* 2.1630	* 1.8836	* 2.3029	* 2.3501	* 1.9852		* 3.1830
13	* 1.3738	* 1.4661	* 1.4378	* 1.6098	* 1.4218	* .8682	* .5564	
	* 2.2399	* 2.1075	* 2.1694	* 1.9124	* 1.9853	* 3.0736	* 5.1547	
14	* 1.7838	* 1.7810	* 1.7344	* 1.5183	* .9413	* .5561		
	* 1.7405	* 1.7465	* 1.8063	* 2.0509	* 3.1851	* 5.1576		
15	* .9940	* .9812	* .9238	* .7632	F-SUB-Q			
	* 3.0818	* 3.1245	* 3.3313	* 4.0527	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1422	* 1.3171	* 1.3221	* 1.3985	* 1.7100	* 1.3792	* 1.7929	* .9967 *
	* 2.3511	* 2.0886	* 2.1176	* 1.9910	* 1.6345	* 2.0282	* 1.5728	* 2.7956 *
9	* 1.3171	* 1.6698	* 1.3401	* 1.7048	* 1.4341	* 1.4732	* 1.7909	* .9809 *
	* 2.0886	* 1.7015	* 2.0903	* 1.6505	* 1.9517	* 1.9064	* 1.5776	* 2.8425 *
10	* 1.3222	* 1.3399	* 1.4177	* 1.4744	* 1.6843	* 1.4539	* 1.7537	* .9297 *
	* 2.1174	* 2.0907	* 1.9911	* 1.9263	* 1.6885	* 1.9517	* 1.6239	* 3.0127 *
11	* 1.3985	* 1.7048	* 1.4735	* 1.6978	* 1.3637	* 1.6550	* 1.5537	* .8100 *
	* 1.9909	* 1.6505	* 1.9275	* 1.6850	* 2.0714	* 1.7169	* 1.8452	* 3.4797 *
12	* 1.7100	* 1.4339	* 1.6843	* 1.3634	* 1.2890	* 1.5422		* .9786 *
	* 1.6345	* 1.9520	* 1.6885	* 2.0717	* 2.0950	* 1.7703		* 2.8523 *
13	* 1.3792	* 1.4740	* 1.4540	* 1.6552	* 1.5420	* .9682	* .5876 *	
	* 2.0282	* 1.9054	* 1.9518	* 1.7168	* 1.7704	* 2.7491	* 4.6166 *	
14	* 1.7929	* 1.7919	* 1.7538	* 1.5527	* .9780	* .5872		
	* 1.5727	* 1.5768	* 1.6239	* 1.8463	* 2.8542	* 4.6193 *		
15	* .9981	* .9848	* .9299	* .7729	F-SUB-Q			
	* 2.7916	* 2.8319	* 3.0120	* 3.6466	M-SUB-Q			

AT 50% POWER, 465 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2189	* 1.3673	* 1.3321	* 1.4003	* 1.7026	* 1.3821	* 1.7774	* 1.0095 *
	* 2.1596	* 1.9321	* 1.9439	* 1.8389	* 1.5165	* 1.8764	* 1.4647	* 2.5549 *
9	* 1.3673	* 1.6857	* 1.3504	* 1.7021	* 1.4387	* 1.4730	* 1.7771	* 1.0014 *
	* 1.9321	* 1.5633	* 1.9182	* 1.5268	* 1.8021	* 1.7621	* 1.4677	* 2.5759 *
10	* 1.3323	* 1.3502	* 1.4547	* 1.4888	* 1.6892	* 1.4644	* 1.7480	* .9531 *
	* 1.9438	* 1.9185	* 1.8022	* 1.7629	* 1.5565	* 1.7935	* 1.5036	* 2.7185 *
11	* 1.4004	* 1.7021	* 1.4880	* 1.7114	* 1.4041	* 1.6784	* 1.5651	* .8359 *
	* 1.8389	* 1.5269	* 1.7639	* 1.5426	* 1.8805	* 1.5816	* 1.6915	* 3.1188 *
12	* 1.7026	* 1.4385	* 1.6893	* 1.4038	* 1.3753	* 1.6062	* 1.0316 *	
	* 1.5165	* 1.8024	* 1.5565	* 1.8809	* 1.9164	* 1.6401	* 2.5630 *	
13	* 1.3821	* 1.4737	* 1.4642	* 1.6785	* 1.6061	* 1.0535	* .6273 *	
	* 1.8764	* 1.7612	* 1.7937	* 1.5816	* 1.6402	* 2.4683	* 4.1423 *	
14	* 1.7774	* 1.7781	* 1.7480	* 1.5645	* 1.0309		* .6269 *	
	* 1.4647	* 1.4670	* 1.5037	* 1.6921	* 2.5650	* 4.1449 *		
15	* 1.0109	* 1.0053	* .9533	* .7965	F-SUB-Q			
	* 2.5513	* 2.5663	* 2.7181	* 3.2730	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.2342	* 1.3978	* 1.3425	* 1.4073	* 1.7117	* 1.3782	* 1.7815	* .9942
	* 1.9919	* 1.7626	* 1.8064	* 1.7156	* 1.4132	* 1.7594	* 1.3689	* 2.4336

9	* 1.3978	* 1.7139	* 1.3613	* 1.7149	* 1.4479	* 1.4766	* 1.7831	* .9801
	* 1.7626	* 1.4405	* 1.7824	* 1.4187	* 1.6775	* 1.6476	* 1.3702	* 2.4709

10	* 1.3426	* 1.3611	* 1.4485	* 1.5066	* 1.7103	* 1.4799	* 1.7601	* .9342
	* 1.8062	* 1.7826	* 1.6886	* 1.6272	* 1.4411	* 1.6689	* 1.3972	* 2.6031

11	* 1.4073	* 1.7149	* 1.5058	* 1.7363	* 1.4138	* 1.7065	* 1.5777	* .8227
	* 1.7156	* 1.4187	* 1.6281	* 1.4252	* 1.7489	* 1.4547	* 1.5706	* 2.9710

12	* 1.7117	* 1.4477	* 1.7103	* 1.4135	* 1.3986	* 1.6526	* 1.0231	*
	* 1.4132	* 1.6777	* 1.4411	* 1.7493	* 1.7779	* 1.5090	* 2.4182	*

13	* 1.3782	* 1.4774	* 1.4795	* 1.7066	* 1.6525	* 1.0669	* .6289	*
	* 1.7594	* 1.6468	* 1.6691	* 1.4547	* 1.5091	* 2.3332	* 3.9287	*

14	* 1.7815	* 1.7840	* 1.7600	* 1.5765	* 1.0223	* .6285	*	*
	* 1.3689	* 1.3695	* 1.3974	* 1.5719	* 2.4204	* 3.9315	*	*

15	* .9955	* .9838	* .9342	* .7843	F-SUB-Q			
	* 2.4303	* 2.4618	* 2.6032	* 3.1167	M-SUB-Q			

AT 50% POWER, 465 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.2041	* 1.3627	* 1.3015	* 1.3588	* 1.6343	* 1.3258	* 1.6915	* .9508
	* 1.9372	* 1.7168	* 1.7703	* 1.6886	* 1.4054	* 1.7389	* 1.3694	* 2.4234

9	* 1.3627	* 1.6416	* 1.3188	* 1.6367	* 1.3973	* 1.4228	* 1.6944	* .9360
	* 1.7168	* 1.4217	* 1.7462	* 1.4099	* 1.6500	* 1.6251	* 1.3691	* 2.4645

10	* 1.3017	* 1.3186	* 1.4053	* 1.4616	* 1.6363	* 1.4303	* 1.6766	* .8957
	* 1.7700	* 1.7464	* 1.6461	* 1.5879	* 1.4259	* 1.6352	* 1.3912	* 2.5853

11	* 1.3589	* 1.6367	* 1.4608	* 1.6647	* 1.3733	* 1.6374	* 1.5158	* .7927
	* 1.6886	* 1.4099	* 1.5887	* 1.4028	* 1.7080	* 1.4379	* 1.5467	* 2.9329

12	* 1.6343	* 1.3972	* 1.6363	* 1.3730	* 1.3650	* 1.5941	* .9867	*
	* 1.4054	* 1.6502	* 1.4259	* 1.7084	* 1.7258	* 1.4827	* 2.3855	*

13	* 1.3258	* 1.4235	* 1.4297	* 1.6374	* 1.5939	* 1.0443	* .6117	*
	* 1.7389	* 1.6243	* 1.6359	* 1.4381	* 1.4830	* 2.2616	* 3.8479	*

14	* 1.6915	* 1.6952	* 1.6763	* 1.5142	* .9857	* .6112	*	*
	* 1.3694	* 1.3686	* 1.3916	* 1.5485	* 2.3881	* 3.8510	*	*

15	* .9520	* .9395	* .8955	* .7537	F-SUB-Q			
	* 2.4203	* 2.4557	* 2.5860	* 3.0853	M-SUB-Q			

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TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0595	* 1.1977	* 1.1316	* 1.1723	* 1.3885	* 1.1466	* 1.4243	* .8134
	* 2.1016	* 1.8603	* 1.9530	* 1.8774	* 1.5849	* 1.9297	* 1.5580	* 2.7253
9	* 1.1977	* 1.4080	* 1.1412	* 1.3984	* 1.2007	* 1.2371	* 1.4272	* .8080
	* 1.8603	* 1.5817	* 1.9339	* 1.5796	* 1.8407	* 1.7939	* 1.5569	* 2.7479
10	* 1.1318	* 1.1410	* 1.2391	* 1.2806	* 1.4094	* 1.2430	* 1.4138	* .7662
	* 1.9527	* 1.9342	* 1.7875	* 1.7345	* 1.5817	* 1.7995	* 1.5791	* 2.9067
11	* 1.1723	* 1.3984	* 1.2802	* 1.4236	* 1.2023	* 1.3923	* 1.2935	* .6864
	* 1.8773	* 1.5796	* 1.7352	* 1.5643	* 1.8611	* 1.6119	* 1.7341	* 3.2581
12	* 1.3885	* 1.2006	* 1.4094	* 1.2021	* 1.2037	* 1.3591	* .8432	*
	* 1.5849	* 1.8410	* 1.5817	* 1.8615	* 1.8784	* 1.6691	* 2.6796	*
13	* 1.1466	* 1.2374	* 1.2423	* 1.3921	* 1.3587	* .9115	* .5283	*
	* 1.9297	* 1.7933	* 1.8007	* 1.6122	* 1.6696	* 2.4920	* 4.2986	*
14	* 1.4243	* 1.4278	* 1.4132	* 1.2916	* .8420	* .5279	*	*
	* 1.5580	* 1.5563	* 1.5800	* 1.7369	* 2.6835	* 4.3020	*	*
15	* .8143	* .8100	* .7659	* .6486	* F-SUB-Q			
	* 2.7224	* 2.7413	* 2.9083	* 3.4477	* M-SUB-Q			

AT 50% POWER, 465 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .5653	* .5962	* .5632	* .5954	* .6960	* .5910	* .6715	* .4238
	* 3.7754	* 3.5787	* 3.7664	* 3.5515	* 3.0391	* 3.6048	* 3.1735	* 5.0417
9	* .5962	* .6798	* .5819	* .7055	* .6063	* .6104	* .6728	* .4077
	* 3.5787	* 3.1340	* 3.6432	* 3.0061	* 3.5007	* 3.4913	* 3.1710	* 5.2453
10	* .5633	* .5819	* .6219	* .6532	* .7170	* .6130	* .6663	* .3881
	* 3.7662	* 3.6436	* 3.4214	* 3.2597	* 2.9789	* 3.4968	* 3.2160	* 5.5296
11	* .5954	* .7055	* .6531	* .7193	* .6192	* .6954	* .6350	* .3466
	* 3.5515	* 3.0062	* 3.2605	* 2.9662	* 3.4606	* 3.0940	* 3.3936	* 6.2210
12	* .6960	* .6063	* .7170	* .6191	* .6009	* .6455	* .4362	*
	* 3.0391	* 3.5011	* 2.9790	* 3.4612	* 3.5880	* 3.3638	* 4.9758	*
13	* .5910	* .6105	* .6128	* .6952	* .6453	* .4649	* .2779	*
	* 3.6048	* 3.4904	* 3.4978	* 3.0951	* 3.3651	* 4.7020	* 7.8917	*
14	* .6715	* .6730	* .6658	* .6338	* .4355	* .2776	*	*
	* 3.1735	* 3.1701	* 3.2184	* 3.4007	* 4.9842	* 7.9008	*	*
15	* .4243	* .4088	* .3878	* .3289	* F-SUB-Q			
	* 5.0394	* 5.2313	* 5.5336	* 6.5582	* M-SUB-Q			

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TABLE A-2

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 3.8430	* 3.8306	* 4.1745	* 4.1137	* 3.4317	* 4.3266	* 4.0003	* 6.8181
	* 4.5883	* 4.5863	* 4.9537	* 4.7834	* 4.0866	* 5.0116	* 4.6846	* 7.5523
	* 4.6877	* 4.7268	* 5.0457	* 4.8333	* 4.1705	* 5.0475	* 4.7002	* 7.4686
	* 4.1698	* 4.2312	* 4.5062	* 4.2970	* 3.8666	* 4.4461	* 4.2558	* 6.4446
	* 3.6084	* 3.7127	* 3.9562	* 3.8113	* 3.5410	* 3.9463	* 3.8748	* 5.6555
	* 3.0188	* 3.1530	* 3.3820	* 3.2896	* 3.1530	* 3.3949	* 3.4030	* 4.7548

9	* 3.8306	* 3.2877	* 4.0325	* 3.3552	* 4.1377	* 4.3515	* 3.9777	* 6.9069
	* 4.5863	* 4.0274	* 4.8127	* 4.0283	* 4.7943	* 4.9473	* 4.6566	* 7.6357
	* 4.7268	* 4.1658	* 4.8973	* 4.1075	* 4.8342	* 4.9748	* 4.6715	* 7.5372
	* 4.2312	* 3.9054	* 4.3644	* 3.8032	* 4.2628	* 4.3757	* 4.2185	* 6.4992
	* 3.7127	* 3.5500	* 3.8536	* 3.4786	* 3.7791	* 3.8722	* 3.8387	* 5.6801
	* 3.1530	* 3.1298	* 3.3162	* 3.0954	* 3.2558	* 3.3255	* 3.3860	* 4.8132

10	* 4.1744	* 4.0328	* 3.9065	* 3.7671	* 3.4337	* 4.2012	* 4.0005	* 7.2061
	* 4.9544	* 4.8143	* 4.5491	* 4.3575	* 4.0272	* 4.7908	* 4.6785	* 7.9613
	* 5.0463	* 4.8989	* 4.6292	* 4.4314	* 4.0731	* 4.8220	* 4.6896	* 7.8666
	* 4.5065	* 4.3655	* 4.1137	* 3.9660	* 3.7308	* 4.2149	* 4.2181	* 6.7785
	* 3.9566	* 3.8545	* 3.6439	* 3.5254	* 3.4134	* 3.7435	* 3.8327	* 5.9170
	* 3.3822	* 3.3168	* 3.1419	* 3.0431	* 3.0281	* 3.2115	* 3.3738	* 4.9689

11	* 4.1139	* 3.3554	* 3.7683	* 3.2897	* 4.0198	* 3.5920	* 4.1910	* 8.1981
	* 4.7837	* 4.0287	* 4.3590	* 3.9252	* 4.6217	* 4.2011	* 4.8635	* 9.0225
	* 4.8336	* 4.1079	* 4.4329	* 3.9950	* 4.6414	* 4.2377	* 4.8457	* 8.9044
	* 4.2972	* 3.8033	* 3.9667	* 3.6861	* 4.0565	* 3.8511	* 4.2951	* 7.5967
	* 3.8115	* 3.4786	* 3.5259	* 3.3790	* 3.5961	* 3.5111	* 3.8757	* 6.5433
	* 3.2897	* 3.0953	* 3.0433	* 3.0004	* 3.0883	* 3.1018	* 3.3880	* 5.4068

12	* 3.4317	* 4.1382	* 3.4358	* 4.0226	* 4.1951	* 3.9057	* 5.7011	*
	* 4.0866	* 4.7956	* 4.0296	* 4.6246	* 4.7482	* 4.5648	* 6.3975	*
	* 4.1705	* 4.8351	* 4.0751	* 4.6439	* 4.7509	* 4.5683	* 6.3886	*
	* 3.8666	* 4.2632	* 3.7319	* 4.0589	* 4.1211	* 4.0669	* 5.6012	*
	* 3.5410	* 3.7793	* 3.4141	* 3.5972	* 3.6028	* 3.6718	* 4.9921	*
	* 3.1530	* 3.2559	* 3.0287	* 3.0891	* 3.0289	* 3.1786	* 4.2900	*

13	* 4.3266	* 4.3556	* 4.2089	* 3.5990	* 3.9143	* 5.3886	* 9.5369	*
	* 5.0117	* 4.9513	* 4.7992	* 4.2091	* 4.5739	* 6.0339	* 10.5787	*
	* 5.0475	* 4.9783	* 4.8295	* 4.2447	* 4.5765	* 6.0291	* 10.4372	*
	* 4.4461	* 4.3784	* 4.2198	* 3.8558	* 4.0727	* 5.2541	* 8.7547	*
	* 3.9463	* 3.8739	* 3.7471	* 3.5146	* 3.6762	* 4.6064	* 7.3518	*
	* 3.3949	* 3.3269	* 3.2142	* 3.1045	* 3.1812	* 3.8533	* 5.9339	*

14	* 4.0003	* 3.9826	* 4.0142	* 4.2106	* 5.7293	* 9.5585	*	*
	* 4.6846	* 4.6645	* 4.6928	* 4.8852	* 6.4264	* 10.6006	*	*
	* 4.7002	* 4.6785	* 4.7022	* 4.8707	* 6.4152	* 10.4573	*	*
	* 4.2558	* 4.2231	* 4.2266	* 4.3135	* 5.6210	* 8.7687	*	*
	* 3.8748	* 3.8423	* 3.8396	* 3.8909	* 5.0076	* 7.3628	*	*
	* 3.4030	* 3.3889	* 3.3794	* 3.4001	* 4.3024	* 5.9415	*	*

15	* 6.8147	* 6.9079	* 7.2443	* 8.5579	* 4 EFPD	118 % POWER		
	* 7.5484	* 7.6357	* 7.9947	* 9.4085	* 75 EFPD	118 % POWER		
	* 7.4643	* 7.5361	* 7.8968	* 9.2466	* 125 EFPD	118 % POWER		
	* 6.4440	* 6.4969	* 6.8012	* 7.8467	* 250 EFPD	118 % POWER		
	* 5.6539	* 5.6783	* 5.9447	* 6.8315	* 350 EFPD	118 % POWER		
	* 4.7550	* 4.8117	* 4.9945	* 5.6998	* 465 EFPD	118 % POWER		

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.9144	* 1.7544	* 1.8926	* 1.9311	* 1.5640	* 2.0283	* 1.6847	* 3.2925
	* 2.2790	* 2.0806	* 2.2309	* 2.2151	* 1.8429	* 2.3253	* 1.9698	* 3.5835
	* 2.3594	* 2.1639	* 2.2968	* 2.2553	* 1.9054	* 2.3559	* 2.0040	* 3.5576
	* 2.2385	* 2.0617	* 2.1757	* 2.1132	* 1.8742	* 2.1944	* 1.9245	* 3.2061
	* 2.1167	* 1.9548	* 2.0665	* 2.0112	* 1.8455	* 2.0855	* 1.8811	* 2.9952
	* 1.9686	* 1.8256	* 1.9354	* 1.9002	* 1.8075	* 1.9677	* 1.8208	* 2.7400

9	* 1.7544	* 1.4797	* 1.8951	* 1.5834	* 1.9384	* 1.9684	* 1.6691	* 3.1345
	* 2.0806	* 1.7938	* 2.2213	* 1.8818	* 2.2099	* 2.2162	* 1.9523	* 3.4133
	* 2.1639	* 1.8752	* 2.2828	* 1.9393	* 2.2481	* 2.2499	* 1.9870	* 3.3913
	* 2.0617	* 1.8571	* 2.1522	* 1.8908	* 2.0897	* 2.0906	* 1.9075	* 3.0604
	* 1.9548	* 1.8218	* 2.0501	* 1.8504	* 1.9815	* 1.9822	* 1.8648	* 2.8565
	* 1.8256	* 1.7620	* 1.9305	* 1.7951	* 1.8675	* 1.8669	* 1.8078	* 2.6399

10	* 1.8926	* 1.8950	* 1.7785	* 1.7591	* 1.6836	* 1.9056	* 1.6760	* 3.2385
	* 2.2309	* 2.2217	* 2.0620	* 2.0224	* 1.9458	* 2.1673	* 1.9573	* 3.5326
	* 2.2968	* 2.2832	* 2.1214	* 2.0765	* 1.9813	* 2.2001	* 1.9904	* 3.5175
	* 2.1758	* 2.1525	* 2.0006	* 1.9681	* 1.8918	* 2.0305	* 1.9062	* 3.1802
	* 2.0665	* 2.0503	* 1.9038	* 1.8689	* 1.8317	* 1.9220	* 1.8614	* 2.9638
	* 1.9354	* 1.9307	* 1.7986	* 1.7636	* 1.7696	* 1.8056	* 1.8004	* 2.7205

11	* 1.9312	* 1.5834	* 1.7599	* 1.5864	* 1.9194	* 1.6052	* 1.8020	* 3.4644
	* 2.2152	* 1.8819	* 2.0232	* 1.8634	* 2.1797	* 1.8678	* 2.0860	* 3.7992
	* 2.2555	* 1.9393	* 2.0773	* 1.9112	* 2.2034	* 1.9123	* 2.1106	* 3.7921
	* 2.1133	* 1.8907	* 1.9684	* 1.8457	* 2.0282	* 1.8474	* 2.0009	* 3.4358
	* 2.0113	* 1.8503	* 1.8692	* 1.7931	* 1.9155	* 1.8040	* 1.9328	* 3.1804
	* 1.9003	* 1.7950	* 1.7638	* 1.7383	* 1.7974	* 1.7520	* 1.8639	* 2.8751

12	* 1.5640	* 1.9386	* 1.6846	* 1.9205	* 1.8884	* 1.6252	* 2.5308	*
	* 1.8429	* 2.2100	* 1.9468	* 2.1811	* 2.1318	* 1.8994	* 2.8289	*
	* 1.9054	* 2.2485	* 1.9822	* 2.2045	* 2.1624	* 1.9317	* 2.8578	*
	* 1.8742	* 2.0897	* 1.8923	* 2.0289	* 1.9990	* 1.8420	* 2.6541	*
	* 1.8455	* 1.9815	* 1.8320	* 1.9160	* 1.8830	* 1.7893	* 2.5276	*
	* 1.8075	* 1.8674	* 1.7698	* 1.7978	* 1.7561	* 1.7186	* 2.3797	*

13	* 2.0283	* 1.9700	* 1.9087	* 1.6079	* 1.6279	* 2.4108	* 4.3012	*
	* 2.3253	* 2.2186	* 2.1710	* 1.8708	* 1.9023	* 2.6995	* 4.7401	*
	* 2.3559	* 2.2520	* 2.2034	* 1.9149	* 1.9343	* 2.7319	* 4.7255	*
	* 2.1944	* 2.0921	* 2.0326	* 1.8491	* 1.8437	* 2.5197	* 4.1939	*
	* 2.0855	* 1.9833	* 1.9235	* 1.8053	* 1.7907	* 2.3658	* 3.7973	*
	* 1.9677	* 1.8677	* 1.8068	* 1.7530	* 1.7197	* 2.1755	* 3.3562	*

14	* 1.6847	* 1.6719	* 1.6813	* 1.8117	* 2.5423	* 4.3102	*	*
	* 1.9698	* 1.9551	* 1.9627	* 2.0959	* 2.8403	* 4.7498	*	*
	* 2.0040	* 1.9894	* 1.9951	* 2.1196	* 2.8683	* 4.7337	*	*
	* 1.9245	* 1.9092	* 1.9094	* 2.0014	* 2.6621	* 4.1998	*	*
	* 1.8811	* 1.8661	* 1.8640	* 1.9385	* 2.5340	* 3.8020	*	*
	* 1.8208	* 1.8089	* 1.8025	* 1.8687	* 2.3851	* 3.3596	*	*

15	* 3.2897	* 3.1333	* 3.2613	* 3.7050	* 4 EFPD	118 % POWER		
	* 3.5803	* 3.4115	* 3.5551	* 4.0439	* 75 EFPD	118 % POWER		
	* 3.5545	* 3.3892	* 3.5382	* 4.0133	* 125 EFPD	118 % POWER		
	* 3.2061	* 3.0579	* 3.1894	* 3.5980	* 250 EFPD	118 % POWER		
	* 2.9926	* 2.8539	* 2.9717	* 3.3584	* 350 EFPD	118 % POWER		
	* 2.7376	* 2.6372	* 2.7319	* 3.0840	* 465 EFPD	118 % POWER		

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.6375	* 1.5108	* 1.5855	* 1.6570	* 1.5826	* 1.7705	* 1.5990	* 2.9462
	* 1.9234	* 1.7562	* 1.8400	* 1.8560	* 1.6965	* 1.9462	* 1.7794	* 3.0653
	* 1.9928	* 1.8226	* 1.8933	* 1.8712	* 1.6861	* 1.9577	* 1.7703	* 3.0006
	* 1.9358	* 1.7623	* 1.8312	* 1.7695	* 1.5913	* 1.8471	* 1.6289	* 2.6958
	* 1.8848	* 1.7154	* 1.7853	* 1.7249	* 1.5750	* 1.8017	* 1.5934	* 2.5521
	* 1.8222	* 1.6645	* 1.7349	* 1.6896	* 1.5867	* 1.7582	* 1.5816	* 2.3966

9	* 1.5108	* 1.4359	* 1.6142	* 1.5146	* 1.6567	* 1.6634	* 1.5718	* 2.8103
	* 1.7562	* 1.6533	* 1.8439	* 1.7055	* 1.8283	* 1.8419	* 1.7514	* 2.9253
	* 1.8226	* 1.6966	* 1.8871	* 1.7266	* 1.8464	* 1.8574	* 1.7463	* 2.8620
	* 1.7623	* 1.6257	* 1.8062	* 1.6349	* 1.7364	* 1.7491	* 1.6128	* 2.5704
	* 1.7154	* 1.5930	* 1.7597	* 1.5969	* 1.6866	* 1.6999	* 1.5791	* 2.4314
	* 1.6645	* 1.5750	* 1.7187	* 1.5874	* 1.6496	* 1.6610	* 1.5742	* 2.3013

10	* 1.5854	* 1.6142	* 1.5192	* 1.5319	* 1.5296	* 1.6587	* 1.5420	* 2.8648
	* 1.8400	* 1.8438	* 1.7260	* 1.7152	* 1.7016	* 1.8178	* 1.7285	* 2.9965
	* 1.8932	* 1.8870	* 1.7723	* 1.7454	* 1.7121	* 1.8335	* 1.7383	* 2.9389
	* 1.8311	* 1.8061	* 1.6992	* 1.6701	* 1.6174	* 1.7107	* 1.6090	* 2.6499
	* 1.7852	* 1.7597	* 1.6597	* 1.6237	* 1.5856	* 1.6582	* 1.5747	* 2.5047
	* 1.7349	* 1.7187	* 1.6266	* 1.5848	* 1.5782	* 1.6174	* 1.5680	* 2.3645

11	* 1.6570	* 1.5146	* 1.5323	* 1.5081	* 1.6968	* 1.6063	* 1.5034	* 2.9287
	* 1.8561	* 1.7056	* 1.7158	* 1.7104	* 1.8489	* 1.7103	* 1.6844	* 3.1288
	* 1.8713	* 1.7267	* 1.7461	* 1.7345	* 1.8525	* 1.6866	* 1.6980	* 3.1107
	* 1.7696	* 1.6348	* 1.6704	* 1.6097	* 1.7175	* 1.5621	* 1.6360	* 2.8555
	* 1.7250	* 1.5968	* 1.6239	* 1.5556	* 1.6585	* 1.5338	* 1.6295	* 2.7028
	* 1.6896	* 1.5873	* 1.5850	* 1.5379	* 1.6154	* 1.5339	* 1.6272	* 2.5349

12	* 1.5825	* 1.6572	* 1.5300	* 1.6981	* 1.6188	* 1.4389	* 2.1391	*
	* 1.6965	* 1.8288	* 1.7023	* 1.8501	* 1.7761	* 1.6118	* 2.3101	*
	* 1.6861	* 1.8467	* 1.7127	* 1.8535	* 1.8010	* 1.6250	* 2.3155	*
	* 1.5913	* 1.7364	* 1.6179	* 1.7182	* 1.6975	* 1.5339	* 2.1710	*
	* 1.5750	* 1.6866	* 1.5858	* 1.6589	* 1.6451	* 1.5200	* 2.1091	*
	* 1.5867	* 1.6496	* 1.5783	* 1.6158	* 1.5983	* 1.5108	* 2.0465	*

13	* 1.7705	* 1.6646	* 1.6612	* 1.6078	* 1.4417	* 2.0373	* 3.5594	*
	* 1.9462	* 1.8437	* 1.8204	* 1.7132	* 1.6140	* 2.2290	* 3.8436	*
	* 1.9577	* 1.8590	* 1.8360	* 1.6890	* 1.6270	* 2.2466	* 3.8254	*
	* 1.8471	* 1.7501	* 1.7122	* 1.5634	* 1.5350	* 2.1124	* 3.4588	*
	* 1.8017	* 1.7005	* 1.6593	* 1.5347	* 1.5207	* 2.0284	* 3.2090	*
	* 1.7582	* 1.6614	* 1.6182	* 1.5344	* 1.5113	* 1.9257	* 2.9350	*

14	* 1.5990	* 1.5742	* 1.5492	* 1.5109	* 2.1480	* 3.5673	*	*
	* 1.7793	* 1.7532	* 1.7351	* 1.6916	* 2.3186	* 3.8512	*	*
	* 1.7703	* 1.7483	* 1.7440	* 1.7044	* 2.3230	* 3.8324	*	*
	* 1.6289	* 1.6141	* 1.6112	* 1.6405	* 2.1765	* 3.4639	*	*
	* 1.5934	* 1.5800	* 1.5764	* 1.6331	* 2.1134	* 3.2132	*	*
	* 1.5816	* 1.5748	* 1.5693	* 1.6302	* 2.0501	* 2.9380	*	*

15	* 2.9429	* 2.8033	* 2.8830	* 3.1042	* 4 EFPD	118 % POWER		
	* 3.0621	* 2.9176	* 3.0067	* 3.3008	* 75 EFPD	118 % POWER		
	* 2.9974	* 2.8547	* 2.9478	* 3.2637	* 125 EFPD	118 % POWER		
	* 2.6928	* 2.5643	* 2.6562	* 2.9684	* 250 EFPD	118 % POWER		
	* 2.5494	* 2.4260	* 2.5100	* 2.8312	* 350 EFPD	118 % POWER		
	* 2.3918	* 2.2965	* 2.3683	* 2.6833	* 465 EFPD	118 % POWER		

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.5377	* 1.4088	* 1.4802	* 1.5613	* 1.4904	* 1.6707	* 1.4893	* 2.8919
	* 1.7894	* 1.6226	* 1.6981	* 1.7155	* 1.5323	* 1.7926	* 1.6027	* 2.8971
	* 1.8545	* 1.6831	* 1.7479	* 1.7208	* 1.5096	* 1.7961	* 1.5725	* 2.8049
	* 1.8294	* 1.6519	* 1.7160	* 1.6431	* 1.4342	* 1.7117	* 1.4542	* 2.5139
	* 1.8077	* 1.6335	* 1.7007	* 1.6282	* 1.4491	* 1.6983	* 1.4496	* 2.4134
	* 1.7838	* 1.6175	* 1.6901	* 1.6272	* 1.4930	* 1.6780	* 1.4700	* 2.3025

9	* 1.4088	* 1.3314	* 1.5168	* 1.4113	* 1.5577	* 1.5550	* 1.4567	* 2.7719
	* 1.6226	* 1.5036	* 1.7049	* 1.5469	* 1.6817	* 1.6804	* 1.5742	* 2.7888
	* 1.6831	* 1.5300	* 1.7410	* 1.5535	* 1.6907	* 1.6887	* 1.5476	* 2.7021
	* 1.6519	* 1.4783	* 1.6864	* 1.4748	* 1.6072	* 1.6107	* 1.4421	* 2.4287
	* 1.6335	* 1.4720	* 1.6707	* 1.4675	* 1.5880	* 1.5947	* 1.4401	* 2.3300
	* 1.6175	* 1.4930	* 1.6698	* 1.4960	* 1.5898	* 1.5895	* 1.4676	* 2.2404

10	* 1.4801	* 1.5169	* 1.4166	* 1.4305	* 1.4205	* 1.5559	* 1.4130	* 2.8073
	* 1.6980	* 1.7048	* 1.5881	* 1.5730	* 1.5417	* 1.6630	* 1.5387	* 2.8518
	* 1.7477	* 1.7409	* 1.6277	* 1.5953	* 1.5308	* 1.6642	* 1.5393	* 2.7749
	* 1.7158	* 1.6863	* 1.5836	* 1.5449	* 1.4580	* 1.5731	* 1.4386	* 2.5124
	* 1.7006	* 1.6706	* 1.5727	* 1.5245	* 1.4528	* 1.5545	* 1.4365	* 2.4091
	* 1.6900	* 1.6697	* 1.5748	* 1.5246	* 1.4838	* 1.5508	* 1.4679	* 2.3170

11	* 1.5614	* 1.4113	* 1.4310	* 1.4029	* 1.6044	* 1.4769	* 1.3639	* 2.8225
	* 1.7156	* 1.5470	* 1.5737	* 1.5525	* 1.7049	* 1.5286	* 1.4895	* 2.9443
	* 1.7209	* 1.5536	* 1.5961	* 1.5658	* 1.7011	* 1.4954	* 1.4978	* 2.9183
	* 1.6432	* 1.4748	* 1.5453	* 1.4473	* 1.5942	* 1.4006	* 1.4634	* 2.7174
	* 1.6282	* 1.4674	* 1.5247	* 1.4243	* 1.5658	* 1.4064	* 1.4907	* 2.6166
	* 1.6273	* 1.4959	* 1.5248	* 1.4490	* 1.5595	* 1.4460	* 1.5283	* 2.5087

12	* 1.4904	* 1.5583	* 1.4208	* 1.6056	* 1.5052	* 1.3098	* 2.0449	*
	* 1.5323	* 1.6823	* 1.5424	* 1.7060	* 1.6224	* 1.4347	* 2.1563	*
	* 1.5096	* 1.6910	* 1.5315	* 1.7020	* 1.6419	* 1.4399	* 2.1558	*
	* 1.4342	* 1.6073	* 1.4583	* 1.5947	* 1.5715	* 1.3802	* 2.0539	*
	* 1.4491	* 1.5880	* 1.4529	* 1.5663	* 1.5539	* 1.3955	* 2.0332	*
	* 1.4930	* 1.5897	* 1.4839	* 1.5598	* 1.5447	* 1.4280	* 2.0160	*

13	* 1.6707	* 1.5562	* 1.5579	* 1.4781	* 1.3104	* 1.9387	* 3.4167	*
	* 1.7926	* 1.6819	* 1.6669	* 1.5311	* 1.4365	* 2.0830	* 3.6230	*
	* 1.7961	* 1.6898	* 1.6676	* 1.4974	* 1.4414	* 2.0989	* 3.6040	*
	* 1.7117	* 1.6114	* 1.5752	* 1.4016	* 1.3808	* 2.0088	* 3.3153	*
	* 1.6983	* 1.5951	* 1.5561	* 1.4069	* 1.3959	* 1.9656	* 3.1337	*
	* 1.6780	* 1.5894	* 1.5519	* 1.4462	* 1.4282	* 1.9081	* 2.9302	*

14	* 1.4893	* 1.4587	* 1.4191	* 1.3706	* 2.0528	* 3.4240	*	*
	* 1.6027	* 1.5756	* 1.5442	* 1.4953	* 2.1636	* 3.6299	*	*
	* 1.5725	* 1.5492	* 1.5438	* 1.5028	* 2.1622	* 3.6103	*	*
	* 1.4542	* 1.4428	* 1.4402	* 1.4668	* 2.0583	* 3.3199	*	*
	* 1.4497	* 1.4406	* 1.4377	* 1.4932	* 2.0366	* 3.1374	*	*
	* 1.4700	* 1.4674	* 1.4687	* 1.5303	* 2.0188	* 2.9328	*	*

15	* 2.8882	* 2.7682	* 2.8233	* 2.9892	* 4 EFPD	118 % POWER		
	* 2.8935	* 2.7833	* 2.8634	* 3.1147	* 75 EFPD	118 % POWER		
	* 2.8016	* 2.6948	* 2.7821	* 3.0701	* 125 EFPD	118 % POWER		
	* 2.5140	* 2.4224	* 2.5171	* 2.8308	* 250 EFPD	118 % POWER		
	* 2.4105	* 2.3243	* 2.4129	* 2.7464	* 350 EFPD	118 % POWER		
	* 2.3024	* 2.2351	* 2.3195	* 2.6582	* 465 EFPD	118 % POWER		

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.5364	* 1.4022	* 1.4748	* 1.5599	* 1.4739	* 1.6689	* 1.4705	* 2.9168
	* 1.7736	* 1.6009	* 1.6764	* 1.6845	* 1.4805	* 1.7574	* 1.5478	* 2.8466
	* 1.8392	* 1.6591	* 1.7265	* 1.6858	* 1.4552	* 1.7583	* 1.5051	* 2.7421
	* 1.8365	* 1.6507	* 1.7083	* 1.6229	* 1.3969	* 1.6918	* 1.4068	* 2.4724
	* 1.8330	* 1.6504	* 1.7110	* 1.6268	* 1.4321	* 1.6906	* 1.4244	* 2.3985
	* 1.8281	* 1.6526	* 1.7232	* 1.6375	* 1.4893	* 1.6851	* 1.4571	* 2.3086

9	* 1.4022	* 1.3157	* 1.5120	* 1.3955	* 1.5503	* 1.5482	* 1.4336	* 2.7923
	* 1.6009	* 1.4670	* 1.6800	* 1.5026	* 1.6456	* 1.6362	* 1.5171	* 2.7366
	* 1.6591	* 1.4857	* 1.7139	* 1.5020	* 1.6503	* 1.6423	* 1.4787	* 2.6353
	* 1.6507	* 1.4537	* 1.6764	* 1.4344	* 1.5833	* 1.5804	* 1.3930	* 2.3828
	* 1.6504	* 1.4652	* 1.6790	* 1.4487	* 1.5843	* 1.5847	* 1.4136	* 2.3132
	* 1.6526	* 1.5073	* 1.6975	* 1.4973	* 1.6030	* 1.5941	* 1.4539	* 2.2389

10	* 1.4747	* 1.5122	* 1.4086	* 1.4207	* 1.4029	* 1.5480	* 1.3784	* 2.8156
	* 1.6763	* 1.6800	* 1.5610	* 1.5370	* 1.4878	* 1.6098	* 1.4721	* 2.7950
	* 1.7263	* 1.7139	* 1.5986	* 1.5582	* 1.4716	* 1.6098	* 1.4647	* 2.7048
	* 1.7082	* 1.6764	* 1.5726	* 1.5278	* 1.4191	* 1.5458	* 1.3913	* 2.4637
	* 1.7109	* 1.6789	* 1.5800	* 1.5243	* 1.4351	* 1.5497	* 1.4131	* 2.3897
	* 1.7231	* 1.6975	* 1.6026	* 1.5477	* 1.4893	* 1.5673	* 1.4631	* 2.3132

11	* 1.5599	* 1.3956	* 1.4213	* 1.3869	* 1.5979	* 1.4430	* 1.3259	* 2.8090
	* 1.6845	* 1.5028	* 1.5379	* 1.5087	* 1.6692	* 1.4626	* 1.4225	* 2.8749
	* 1.6859	* 1.5021	* 1.5590	* 1.5073	* 1.6597	* 1.4290	* 1.4280	* 2.8453
	* 1.6229	* 1.4344	* 1.5283	* 1.4080	* 1.5769	* 1.3618	* 1.4241	* 2.6835
	* 1.6268	* 1.4486	* 1.5246	* 1.4062	* 1.5699	* 1.3905	* 1.4737	* 2.6152
	* 1.6375	* 1.4972	* 1.5480	* 1.4567	* 1.5854	* 1.4536	* 1.5384	* 2.5380

12	* 1.4739	* 1.5509	* 1.4034	* 1.5991	* 1.4833	* 1.2767	* 2.0161	*
	* 1.4805	* 1.6462	* 1.4887	* 1.6704	* 1.5820	* 1.3724	* 2.0894	*
	* 1.4552	* 1.6506	* 1.4724	* 1.6606	* 1.6005	* 1.3755	* 2.0879	*
	* 1.3969	* 1.5834	* 1.4194	* 1.5774	* 1.5555	* 1.3478	* 2.0220	*
	* 1.4321	* 1.5843	* 1.4352	* 1.5702	* 1.5591	* 1.3847	* 2.0277	*
	* 1.4893	* 1.6030	* 1.4893	* 1.5856	* 1.5722	* 1.4368	* 2.0347	*

13	* 1.6689	* 1.5493	* 1.5499	* 1.4441	* 1.2773	* 1.9171	* 3.4128	*
	* 1.7574	* 1.6375	* 1.6134	* 1.4648	* 1.3741	* 2.0305	* 3.5623	*
	* 1.7583	* 1.6432	* 1.6128	* 1.4307	* 1.3767	* 2.0469	* 3.5432	*
	* 1.6918	* 1.5809	* 1.5476	* 1.3625	* 1.3483	* 1.9911	* 3.3107	*
	* 1.6906	* 1.5849	* 1.5510	* 1.3908	* 1.3849	* 1.9733	* 3.1683	*
	* 1.6851	* 1.5938	* 1.5683	* 1.4537	* 1.4369	* 1.9386	* 2.9984	*

14	* 1.4705	* 1.4354	* 1.3840	* 1.3320	* 2.0235	* 3.4198	*	*
	* 1.5478	* 1.5183	* 1.4770	* 1.4277	* 2.0960	* 3.5687	*	*
	* 1.5051	* 1.4799	* 1.4687	* 1.4324	* 2.0936	* 3.5491	*	*
	* 1.4068	* 1.3935	* 1.3926	* 1.4268	* 2.0259	* 3.3149	*	*
	* 1.4244	* 1.4138	* 1.4139	* 1.4757	* 2.0305	* 3.1717	*	*
	* 1.4571	* 1.4535	* 1.4635	* 1.5399	* 2.0371	* 3.0008	*	*

15	* 2.9130	* 2.7878	* 2.8303	* 2.9703	* 4	EFFD 118 % POWER		
	* 2.8430	* 2.7283	* 2.8024	* 3.0364	* 75	EFFD 118 % POWER		
	* 2.7386	* 2.6276	* 2.7108	* 2.9884	* 125	EFFD 118 % POWER		
	* 2.4725	* 2.3761	* 2.4674	* 2.7896	* 250	EFFD 118 % POWER		
	* 2.3954	* 2.3070	* 2.3927	* 2.7384	* 350	EFFD 118 % POWER		
	* 2.3057	* 2.2331	* 2.3149	* 2.6829	* 465	EFFD 118 % POWER		

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TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.5765	* 1.4356	* 1.5112	* 1.6000	* 1.5030	* 1.7091	* 1.4958	* 2.9903
	* 1.8091	* 1.6288	* 1.7057	* 1.7040	* 1.4848	* 1.7752	* 1.5482	* 2.8631
	* 1.8769	* 1.6892	* 1.7574	* 1.7038	* 1.4582	* 1.7743	* 1.4977	* 2.7500
	* 1.8839	* 1.6895	* 1.7450	* 1.6532	* 1.4124	* 1.7161	* 1.4129	* 2.5005
	* 1.8901	* 1.6980	* 1.7593	* 1.6701	* 1.4613	* 1.7280	* 1.4446	* 2.4383
	* 1.8879	* 1.7071	* 1.7647	* 1.6792	* 1.5201	* 1.7233	* 1.4807	* 2.3447

9	* 1.4356	* 1.3436	* 1.5502	* 1.4242	* 1.5843	* 1.5852	* 1.4547	* 2.8593
	* 1.6288	* 1.4847	* 1.7059	* 1.5130	* 1.6602	* 1.6426	* 1.5151	* 2.7410
	* 1.6892	* 1.4999	* 1.7398	* 1.5088	* 1.6638	* 1.6480	* 1.4696	* 2.6323
	* 1.6895	* 1.4753	* 1.7110	* 1.4478	* 1.6076	* 1.6004	* 1.3977	* 2.3966
	* 1.6980	* 1.4966	* 1.7252	* 1.4758	* 1.6218	* 1.6177	* 1.4325	* 2.3433
	* 1.7071	* 1.5476	* 1.7389	* 1.5236	* 1.6388	* 1.6268	* 1.4763	* 2.2695

10	* 1.5111	* 1.5504	* 1.4403	* 1.4505	* 1.4294	* 1.5795	* 1.3909	* 2.8772
	* 1.7054	* 1.7061	* 1.5808	* 1.5514	* 1.4891	* 1.6100	* 1.4632	* 2.7969
	* 1.7573	* 1.7399	* 1.6185	* 1.5719	* 1.4708	* 1.6093	* 1.4525	* 2.7010
	* 1.7449	* 1.7111	* 1.5969	* 1.5493	* 1.4274	* 1.5604	* 1.3946	* 2.4776
	* 1.7590	* 1.7253	* 1.6126	* 1.5570	* 1.4576	* 1.5787	* 1.4308	* 2.4217
	* 1.7646	* 1.7390	* 1.6416	* 1.5912	* 1.5239	* 1.6051	* 1.4806	* 2.3413

11	* 1.6000	* 1.4243	* 1.4512	* 1.4143	* 1.6321	* 1.4586	* 1.3351	* 2.8521
	* 1.7040	* 1.5133	* 1.5524	* 1.5183	* 1.6829	* 1.4549	* 1.4129	* 2.8755
	* 1.7038	* 1.5090	* 1.5728	* 1.5085	* 1.6723	* 1.4213	* 1.4199	* 2.8450
	* 1.6532	* 1.4479	* 1.5497	* 1.4179	* 1.6021	* 1.3714	* 1.4388	* 2.7018
	* 1.6701	* 1.4757	* 1.5573	* 1.4295	* 1.6090	* 1.4152	* 1.4978	* 2.6538
	* 1.6792	* 1.5236	* 1.5915	* 1.4932	* 1.6362	* 1.4901	* 1.5746	* 2.5749

12	* 1.5030	* 1.5850	* 1.4299	* 1.6336	* 1.5091	* 1.2886	* 2.0358	*
	* 1.4848	* 1.6608	* 1.4901	* 1.6840	* 1.5908	* 1.3653	* 2.0801	*
	* 1.4582	* 1.6642	* 1.4716	* 1.6732	* 1.6100	* 1.3678	* 2.0800	*
	* 1.4124	* 1.6077	* 1.4277	* 1.6027	* 1.5860	* 1.3638	* 2.0397	*
	* 1.4613	* 1.6218	* 1.4577	* 1.6094	* 1.6062	* 1.4158	* 2.0616	*
	* 1.5201	* 1.6388	* 1.5239	* 1.6365	* 1.6283	* 1.4814	* 2.0787	*

13	* 1.7091	* 1.5862	* 1.5814	* 1.4598	* 1.2892	* 1.9406	* 3.4818	*
	* 1.7752	* 1.6438	* 1.6135	* 1.4571	* 1.3670	* 2.0313	* 3.5877	*
	* 1.7743	* 1.6488	* 1.6122	* 1.4230	* 1.3690	* 2.0500	* 3.5706	*
	* 1.7161	* 1.6007	* 1.5620	* 1.3721	* 1.3643	* 2.0229	* 3.3829	*
	* 1.7280	* 1.6177	* 1.5798	* 1.4154	* 1.4160	* 2.0208	* 3.2560	*
	* 1.7233	* 1.6267	* 1.6060	* 1.4901	* 1.4815	* 1.9961	* 3.1036	*

14	* 1.4958	* 1.4565	* 1.3963	* 1.3410	* 2.0429	* 3.4887	*	*
	* 1.5482	* 1.5161	* 1.4678	* 1.4178	* 2.0864	* 3.5940	*	*
	* 1.4977	* 1.4707	* 1.4561	* 1.4240	* 2.0853	* 3.5763	*	*
	* 1.4129	* 1.3980	* 1.3956	* 1.4413	* 2.0433	* 3.3869	*	*
	* 1.4446	* 1.4326	* 1.4314	* 1.4996	* 2.0642	* 3.2592	*	*
	* 1.4807	* 1.4759	* 1.4809	* 1.5759	* 2.0809	* 3.1059	*	*

15	* 2.9866	* 2.8536	* 2.8912	* 3.0186	* 4 EFPD	118 % POWER		
	* 2.8593	* 2.7323	* 2.8035	* 3.0295	* 75 EFPD	118 % POWER		
	* 2.7461	* 2.6241	* 2.7063	* 2.9806	* 125 EFPD	118 % POWER		
	* 2.4972	* 2.3896	* 2.4807	* 2.8021	* 250 EFPD	118 % POWER		
	* 2.4381	* 2.3365	* 2.4241	* 2.7706	* 350 EFPD	118 % POWER		
	* 2.3416	* 2.2631	* 2.3426	* 2.7135	* 465 EFPD	118 % POWER		

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TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.6331	* 1.4834	* 1.5619	* 1.6535	* 1.5438	* 1.7619	* 1.5286	* 3.1047
	* 1.8657	* 1.6752	* 1.7543	* 1.7425	* 1.5047	* 1.8112	* 1.5618	* 2.9288
	* 1.9375	* 1.7385	* 1.8084	* 1.7424	* 1.4763	* 1.8106	* 1.5053	* 2.8003
	* 1.9494	* 1.7440	* 1.8033	* 1.7033	* 1.4421	* 1.7610	* 1.4325	* 2.5728
	* 1.9608	* 1.7575	* 1.8252	* 1.7290	* 1.5009	* 1.7830	* 1.4741	* 2.5201
	* 1.9477	* 1.7550	* 1.8158	* 1.7294	* 1.5557	* 1.7717	* 1.5070	* 2.4253

9	* 1.4834	* 1.3831	* 1.6036	* 1.4635	* 1.6316	* 1.6271	* 1.4846	* 2.9737
	* 1.6752	* 1.5178	* 1.7514	* 1.5391	* 1.6935	* 1.6665	* 1.5272	* 2.8197
	* 1.7385	* 1.5298	* 1.7870	* 1.5311	* 1.6972	* 1.6725	* 1.4760	* 2.7043
	* 1.7440	* 1.5085	* 1.7673	* 1.4765	* 1.6522	* 1.6388	* 1.4162	* 2.4867
	* 1.7575	* 1.5353	* 1.7897	* 1.5135	* 1.6756	* 1.6657	* 1.4612	* 2.4350
	* 1.7550	* 1.5761	* 1.7899	* 1.5556	* 1.6837	* 1.6673	* 1.5005	* 2.3552

10	* 1.5617	* 1.6039	* 1.4836	* 1.4923	* 1.4664	* 1.6184	* 1.4161	* 2.9921
	* 1.7540	* 1.7516	* 1.6171	* 1.5828	* 1.5067	* 1.6297	* 1.4726	* 2.8789
	* 1.8083	* 1.7873	* 1.6570	* 1.6040	* 1.4872	* 1.6301	* 1.4572	* 2.7780
	* 1.8032	* 1.7674	* 1.6481	* 1.5887	* 1.4522	* 1.5946	* 1.4125	* 2.5683
	* 1.8249	* 1.7898	* 1.6749	* 1.6055	* 1.4909	* 1.6230	* 1.4590	* 2.5236
	* 1.8157	* 1.7899	* 1.6870	* 1.6263	* 1.5490	* 1.6353	* 1.5020	* 2.4289

11	* 1.6535	* 1.4637	* 1.4931	* 1.4522	* 1.6806	* 1.4894	* 1.3568	* 2.9717
	* 1.7424	* 1.5395	* 1.5839	* 1.5445	* 1.7155	* 1.4652	* 1.4204	* 2.9648
	* 1.7423	* 1.5314	* 1.6050	* 1.5278	* 1.7075	* 1.4320	* 1.4298	* 2.9345
	* 1.7033	* 1.4765	* 1.5892	* 1.4412	* 1.6451	* 1.3923	* 1.4624	* 2.8090
	* 1.7290	* 1.5135	* 1.6059	* 1.4623	* 1.6608	* 1.4466	* 1.5310	* 2.7724
	* 1.7293	* 1.5555	* 1.6266	* 1.5209	* 1.6821	* 1.5188	* 1.5996	* 2.6680

12	* 1.5438	* 1.6324	* 1.4669	* 1.6815	* 1.5495	* 1.3130	* 2.1194	*
	* 1.5047	* 1.6943	* 1.5077	* 1.7171	* 1.6189	* 1.3760	* 2.1419	*
	* 1.4763	* 1.6977	* 1.4880	* 1.7084	* 1.6407	* 1.3832	* 2.1440	*
	* 1.4421	* 1.6524	* 1.4525	* 1.6457	* 1.6252	* 1.3841	* 2.1162	*
	* 1.5009	* 1.6756	* 1.4909	* 1.6613	* 1.6541	* 1.4449	* 2.1491	*
	* 1.5557	* 1.6837	* 1.5490	* 1.6824	* 1.6798	* 1.5150	* 2.1659	*

13	* 1.7619	* 1.6284	* 1.6224	* 1.4906	* 1.3138	* 2.0172	* 3.6561	*
	* 1.8112	* 1.6676	* 1.6331	* 1.4673	* 1.3776	* 2.0924	* 3.7301	*
	* 1.8106	* 1.6732	* 1.6329	* 1.4336	* 1.3845	* 2.1144	* 3.7162	*
	* 1.7610	* 1.6390	* 1.5962	* 1.3930	* 1.3846	* 2.0993	* 3.5381	*
	* 1.7830	* 1.6656	* 1.6240	* 1.4469	* 1.4452	* 2.1066	* 3.4263	*
	* 1.7717	* 1.6671	* 1.6361	* 1.5189	* 1.5151	* 2.0832	* 3.2470	*

14	* 1.5286	* 1.4865	* 1.4215	* 1.3627	* 2.1267	* 3.6632	*	*
	* 1.5618	* 1.5282	* 1.4770	* 1.4251	* 2.1482	* 3.7365	*	*
	* 1.5053	* 1.4769	* 1.4607	* 1.4337	* 2.1493	* 3.7219	*	*
	* 1.4325	* 1.4164	* 1.4134	* 1.4647	* 2.1198	* 3.5421	*	*
	* 1.4741	* 1.4612	* 1.4595	* 1.5327	* 2.1517	* 3.4296	*	*
	* 1.5070	* 1.5003	* 1.5021	* 1.6008	* 2.1682	* 3.2493	*	*

15	* 3.1008	* 2.9679	* 3.0060	* 3.1381	* 4 EFPD	118 % POWER		
	* 2.9248	* 2.8106	* 2.8850	* 3.1285	* 75 EFPD	118 % POWER		
	* 2.8003	* 2.6957	* 2.7828	* 3.0789	* 125 EFPD	118 % POWER		
	* 2.5693	* 2.4790	* 2.5710	* 2.9160	* 250 EFPD	118 % POWER		
	* 2.5199	* 2.4277	* 2.5256	* 2.8984	* 350 EFPD	118 % POWER		
	* 2.4221	* 2.3482	* 2.4297	* 2.8171	* 465 EFPD	118 % POWER		

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.7293	* 1.5663	* 1.6463	* 1.7415	* 1.6191	* 1.8484	* 1.5944	* 3.2641
	* 1.9666	* 1.7606	* 1.8401	* 1.8180	* 1.5616	* 1.8847	* 1.6125	* 3.0411
	* 2.0432	* 1.8274	* 1.8959	* 1.8179	* 1.5315	* 1.8850	* 1.5497	* 2.9051
	* 2.0617	* 1.8386	* 1.8981	* 1.7884	* 1.5058	* 1.8403	* 1.4858	* 2.6862
	* 2.0722	* 1.8509	* 1.9163	* 1.8106	* 1.5650	* 1.8578	* 1.5269	* 2.6205
	* 2.0288	* 1.8228	* 1.8948	* 1.8051	* 1.6179	* 1.8435	* 1.5586	* 2.5208

9	* 1.5663	* 1.4575	* 1.6912	* 1.5359	* 1.7125	* 1.7006	* 1.5473	* 3.1288
	* 1.7606	* 1.5892	* 1.8335	* 1.6022	* 1.7637	* 1.7266	* 1.5748	* 2.9320
	* 1.8274	* 1.5991	* 1.8711	* 1.5908	* 1.7684	* 1.7334	* 1.5197	* 2.8096
	* 1.8386	* 1.5806	* 1.8598	* 1.5413	* 1.7323	* 1.7108	* 1.4687	* 2.5993
	* 1.8509	* 1.6093	* 1.8803	* 1.5803	* 1.7557	* 1.7381	* 1.5165	* 2.5342
	* 1.8228	* 1.6304	* 1.8679	* 1.6156	* 1.7543	* 1.7323	* 1.5505	* 2.4498

10	* 1.6461	* 1.6916	* 1.5582	* 1.5661	* 1.5360	* 1.6894	* 1.4747	* 3.1497
	* 1.8398	* 1.8339	* 1.6886	* 1.6498	* 1.5626	* 1.6868	* 1.5193	* 2.9961
	* 1.8957	* 1.8715	* 1.7314	* 1.6727	* 1.5420	* 1.6885	* 1.5006	* 2.8894
	* 1.9980	* 1.8600	* 1.7309	* 1.6646	* 1.5141	* 1.6648	* 1.4651	* 2.6879
	* 1.9160	* 1.8805	* 1.7601	* 1.6856	* 1.5581	* 1.6984	* 1.5173	* 2.6340
	* 1.8947	* 1.8680	* 1.7579	* 1.6904	* 1.6035	* 1.6940	* 1.5505	* 2.5262

11	* 1.7415	* 1.5362	* 1.5670	* 1.5233	* 1.7678	* 1.5584	* 1.4113	* 3.1274
	* 1.8179	* 1.6027	* 1.6510	* 1.6067	* 1.7869	* 1.5149	* 1.4646	* 3.0903
	* 1.8179	* 1.5912	* 1.6738	* 1.5866	* 1.7818	* 1.4801	* 1.4762	* 3.0604
	* 1.7883	* 1.5414	* 1.6651	* 1.5033	* 1.7265	* 1.4497	* 1.5224	* 2.9471
	* 1.8105	* 1.5803	* 1.6861	* 1.5289	* 1.7465	* 1.5109	* 1.5972	* 2.9094
	* 1.8051	* 1.6156	* 1.6908	* 1.5732	* 1.7460	* 1.5671	* 1.6497	* 2.7741

12	* 1.6191	* 1.7135	* 1.5366	* 1.7687	* 1.6288	* 1.3729	* 2.2309	*
	* 1.5616	* 1.7645	* 1.5637	* 1.7886	* 1.6890	* 1.4246	* 2.2332	*
	* 1.5315	* 1.7690	* 1.5428	* 1.7829	* 1.7097	* 1.4331	* 2.2374	*
	* 1.5058	* 1.7325	* 1.5144	* 1.7271	* 1.7077	* 1.4438	* 2.2208	*
	* 1.5650	* 1.7558	* 1.5582	* 1.7470	* 1.7411	* 1.5105	* 2.2578	*
	* 1.6179	* 1.7543	* 1.6035	* 1.7464	* 1.7408	* 1.5623	* 2.2388	*

13	* 1.8484	* 1.7020	* 1.6935	* 1.5597	* 1.3738	* 2.1263	* 3.8770	*
	* 1.8847	* 1.7276	* 1.6903	* 1.5171	* 1.4263	* 2.1878	* 3.9212	*
	* 1.8850	* 1.7341	* 1.6913	* 1.4818	* 1.4344	* 2.2136	* 3.9102	*
	* 1.8403	* 1.7109	* 1.6663	* 1.4504	* 1.4444	* 2.2085	* 3.7390	*
	* 1.8578	* 1.7380	* 1.6994	* 1.5112	* 1.5108	* 2.2182	* 3.6234	*
	* 1.8435	* 1.7320	* 1.6947	* 1.5671	* 1.5624	* 2.1642	* 3.3979	*

14	* 1.5944	* 1.5492	* 1.4802	* 1.4173	* 2.2384	* 3.8844	*	*
	* 1.6125	* 1.5757	* 1.5237	* 1.4694	* 2.2395	* 3.9278	*	*
	* 1.5498	* 1.5206	* 1.5040	* 1.4801	* 2.2428	* 3.9160	*	*
	* 1.4858	* 1.4688	* 1.4659	* 1.5246	* 2.2244	* 3.7431	*	*
	* 1.5269	* 1.5164	* 1.5177	* 1.5988	* 2.2603	* 3.6267	*	*
	* 1.5585	* 1.5503	* 1.5506	* 1.6508	* 2.2409	* 3.4002	*	*

15	* 3.2597	* 3.1222	* 3.1637	* 3.3030	* 4 EFPD	118 % POWER		
	* 3.0369	* 2.9221	* 3.0022	* 3.2601	* 75 EFPD	118 % POWER		
	* 2.9051	* 2.8004	* 2.8941	* 3.2100	* 125 EFPD	118 % POWER		
	* 2.6825	* 2.5909	* 2.6904	* 3.0589	* 250 EFPD	118 % POWER		
	* 2.6204	* 2.5264	* 2.6359	* 3.0405	* 350 EFPD	118 % POWER		
	* 2.5174	* 2.4423	* 2.5269	* 2.9285	* 465 EFPD	118 % POWER		

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.8550	* 1.6714	* 1.7510	* 1.8459	* 1.7058	* 1.9484	* 1.6702	* 3.4357
	* 2.0938	* 1.8646	* 1.9428	* 1.9079	* 1.6306	* 1.9719	* 1.6735	* 3.1751
	* 2.1758	* 1.9351	* 1.9977	* 1.9093	* 1.5998	* 1.9744	* 1.6081	* 3.0343
	* 2.2100	* 1.9593	* 2.0174	* 1.8965	* 1.5873	* 1.9434	* 1.5562	* 2.8400
	* 2.1981	* 1.9527	* 2.0207	* 1.9077	* 1.6406	* 1.9512	* 1.5910	* 2.7543
	* 2.1459	* 1.9190	* 1.9955	* 1.9004	* 1.6953	* 1.9342	* 1.6234	* 2.6463

9	* 1.6714	* 1.5502	* 1.7994	* 1.6244	* 1.8119	* 1.7926	* 1.6255	* 3.3031
	* 1.8646	* 1.6749	* 1.9325	* 1.6797	* 1.8511	* 1.8037	* 1.6381	* 3.0690
	* 1.9351	* 1.6832	* 1.9732	* 1.6660	* 1.8575	* 1.8126	* 1.5787	* 2.9482
	* 1.9593	* 1.6725	* 1.9769	* 1.6249	* 1.8356	* 1.8044	* 1.5387	* 2.7607
	* 1.9527	* 1.6872	* 1.9831	* 1.6548	* 1.8476	* 1.8217	* 1.5797	* 2.6752
	* 1.9190	* 1.7059	* 1.9676	* 1.6920	* 1.8449	* 1.8148	* 1.6144	* 2.5832

10	* 1.7508	* 1.7998	* 1.6517	* 1.6590	* 1.6218	* 1.7822	* 1.5519	* 3.3412
	* 1.9425	* 1.9330	* 1.7767	* 1.7340	* 1.6350	* 1.7639	* 1.5847	* 3.1530
	* 1.9975	* 1.9736	* 1.8236	* 1.7593	* 1.6137	* 1.7684	* 1.5615	* 3.0434
	* 2.0172	* 1.9772	* 1.8379	* 1.7639	* 1.5959	* 1.7579	* 1.5357	* 2.8595
	* 2.0203	* 1.9833	* 1.8544	* 1.7736	* 1.6320	* 1.7816	* 1.5803	* 2.7826
	* 1.9954	* 1.9678	* 1.8494	* 1.7758	* 1.6772	* 1.7729	* 1.6140	* 2.6651

11	* 1.8459	* 1.6248	* 1.6601	* 1.6119	* 1.8806	* 1.6499	* 1.4841	* 3.3378
	* 1.9078	* 1.6802	* 1.7354	* 1.6860	* 1.8812	* 1.5838	* 1.5274	* 3.2675
	* 1.9093	* 1.6665	* 1.7606	* 1.6632	* 1.8772	* 1.5470	* 1.5416	* 3.2386
	* 1.8965	* 1.6251	* 1.7646	* 1.5859	* 1.8337	* 1.5274	* 1.6031	* 3.1462
	* 1.9076	* 1.6549	* 1.7741	* 1.6041	* 1.8438	* 1.5854	* 1.6726	* 3.0785
	* 1.9004	* 1.6920	* 1.7762	* 1.6458	* 1.8357	* 1.6360	* 1.7196	* 2.9301

12	* 1.7058	* 1.8129	* 1.6225	* 1.8822	* 1.7360	* 1.4531	* 2.3884	*
	* 1.6306	* 1.8520	* 1.6361	* 1.8829	* 1.7868	* 1.4942	* 2.3699	*
	* 1.5998	* 1.8582	* 1.6146	* 1.8786	* 1.8107	* 1.5044	* 2.3768	*
	* 1.5873	* 1.8358	* 1.5962	* 1.8344	* 1.8214	* 1.5259	* 2.3759	*
	* 1.6406	* 1.8477	* 1.6321	* 1.8443	* 1.8489	* 1.5924	* 2.4020	*
	* 1.6953	* 1.8449	* 1.6772	* 1.8361	* 1.8331	* 1.6296	* 2.3629	*

13	* 1.9484	* 1.7939	* 1.7864	* 1.6513	* 1.4542	* 2.2807	* 4.1761	*
	* 1.9719	* 1.8046	* 1.7675	* 1.5860	* 1.4960	* 2.3284	* 4.1847	*
	* 1.9744	* 1.8133	* 1.7712	* 1.5487	* 1.5057	* 2.3585	* 4.1772	*
	* 1.9434	* 1.8044	* 1.7595	* 1.5280	* 1.5265	* 2.3685	* 4.0220	*
	* 1.9512	* 1.8215	* 1.7826	* 1.5857	* 1.5926	* 2.3706	* 3.8751	*
	* 1.9342	* 1.8145	* 1.7736	* 1.6360	* 1.6297	* 2.2842	* 3.5955	*

14	* 1.6702	* 1.6271	* 1.5576	* 1.4903	* 2.3964	* 4.1838	*	*
	* 1.6734	* 1.6390	* 1.5892	* 1.5323	* 2.3765	* 4.1916	*	*
	* 1.6081	* 1.5795	* 1.5650	* 1.5456	* 2.3824	* 4.1833	*	*
	* 1.5562	* 1.5388	* 1.5365	* 1.6054	* 2.3796	* 4.0262	*	*
	* 1.5910	* 1.5795	* 1.5806	* 1.6742	* 2.4046	* 3.8786	*	*
	* 1.6234	* 1.6141	* 1.6140	* 1.7206	* 2.3650	* 3.5979	*	*

15	* 3.4308	* 3.2958	* 3.3547	* 3.5194	* 4	EFFD 118	%	POWER
	* 3.1704	* 3.0622	* 3.1594	* 3.4338	* 75	EFFD 118	%	POWER
	* 3.0343	* 2.9384	* 3.0479	* 3.3825	* 125	EFFD 118	%	POWER
	* 2.8360	* 2.7516	* 2.8619	* 3.2496	* 250	EFFD 118	%	POWER
	* 2.7542	* 2.6667	* 2.7843	* 3.2014	* 350	EFFD 118	%	POWER
	* 2.6428	* 2.5750	* 2.6657	* 3.0786	* 465	EFFD 118	%	POWER

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 2.0058	* 1.8045	* 1.8826	* 1.9819	* 1.8323	* 2.0833	* 1.7869	* 3.6231
	* 2.2533	* 2.0035	* 2.0797	* 2.0377	* 1.7439	* 2.0997	* 1.7814	* 3.3333
	* 2.3414	* 2.0786	* 2.1373	* 2.0405	* 1.7121	* 2.0971	* 1.7105	* 3.1892
	* 2.4071	* 2.1305	* 2.1851	* 2.0538	* 1.7231	* 2.0957	* 1.6812	* 3.0253
	* 2.3763	* 2.1081	* 2.1747	* 2.0538	* 1.7677	* 2.0896	* 1.7053	* 2.9170
	* 2.3162	* 2.0656	* 2.1438	* 2.0423	* 1.8233	* 2.0630	* 1.7348	* 2.7809

9	* 1.8046	* 1.6758	* 1.9325	* 1.7473	* 1.9405	* 1.9122	* 1.7376	* 3.4820
	* 2.0035	* 1.8017	* 2.0659	* 1.7992	* 1.9751	* 1.9164	* 1.7434	* 3.2016
	* 2.0786	* 1.8113	* 2.1109	* 1.7863	* 1.9839	* 1.9284	* 1.6815	* 3.0706
	* 2.1305	* 1.8213	* 2.1428	* 1.7672	* 1.9897	* 1.9481	* 1.6633	* 2.9117
	* 2.1081	* 1.8215	* 2.1345	* 1.7849	* 1.9878	* 1.9515	* 1.6934	* 2.8033
	* 2.0656	* 1.8381	* 2.1141	* 1.8213	* 1.9824	* 1.9394	* 1.7275	* 2.6880

10	* 1.8824	* 1.9331	* 1.7729	* 1.7808	* 1.7426	* 1.9069	* 1.6643	* 3.5321
	* 2.0793	* 2.0665	* 1.9005	* 1.8547	* 1.7511	* 1.8794	* 1.6917	* 3.2871
	* 2.1371	* 2.1114	* 1.9520	* 1.8835	* 1.7305	* 1.8870	* 1.6681	* 3.1727
	* 2.1849	* 2.1432	* 1.9782	* 1.9166	* 1.7355	* 1.9023	* 1.6615	* 3.0225
	* 2.1743	* 2.1347	* 1.9745	* 1.9095	* 1.7599	* 1.9103	* 1.6946	* 2.9164
	* 2.1436	* 2.1143	* 1.9664	* 1.9093	* 1.8048	* 1.8977	* 1.7275	* 2.7811

11	* 1.9819	* 1.7478	* 1.7820	* 1.7347	* 2.0230	* 1.7741	* 1.5946	* 3.4996
	* 2.0376	* 1.7998	* 1.8561	* 1.8065	* 2.0149	* 1.6981	* 1.6340	* 3.4104
	* 2.0404	* 1.7868	* 1.8848	* 1.7869	* 2.0129	* 1.6602	* 1.6517	* 3.3826
	* 2.0537	* 1.7674	* 1.9173	* 1.7280	* 1.9940	* 1.6608	* 1.7404	* 3.3347
	* 2.0538	* 1.7850	* 1.9100	* 1.7298	* 1.9841	* 1.7066	* 1.7976	* 3.2293
	* 2.0422	* 1.8213	* 1.9098	* 1.7718	* 1.9752	* 1.7578	* 1.8440	* 3.0622

12	* 1.8323	* 1.9417	* 1.7434	* 2.0248	* 1.8756	* 1.5731	* 2.5163	*
	* 1.7439	* 1.9761	* 1.7523	* 2.0168	* 1.9207	* 1.6061	* 2.4837	*
	* 1.7121	* 1.9847	* 1.7315	* 2.0143	* 1.9483	* 1.6204	* 2.4928	*
	* 1.7231	* 1.9900	* 1.7359	* 1.9948	* 1.9857	* 1.6626	* 2.5227	*
	* 1.7677	* 1.9880	* 1.7600	* 1.9846	* 1.9942	* 1.7158	* 2.5191	*
	* 1.8233	* 1.9824	* 1.8048	* 1.9756	* 1.9733	* 1.7520	* 2.4663	*

13	* 2.0833	* 1.9136	* 1.9110	* 1.7793	* 1.5753	* 2.4205	* 4.4115	*
	* 2.0997	* 1.9173	* 1.8830	* 1.7004	* 1.6080	* 2.4572	* 4.4014	*
	* 2.0971	* 1.9288	* 1.8900	* 1.6620	* 1.6218	* 2.4912	* 4.3973	*
	* 2.0957	* 1.9489	* 1.9039	* 1.6615	* 1.6633	* 2.5307	* 4.2903	*
	* 2.0896	* 1.9512	* 1.9113	* 1.7068	* 1.7161	* 2.4993	* 4.0789	*
	* 2.0630	* 1.9390	* 1.8985	* 1.7578	* 1.7521	* 2.3993	* 3.7688	*

14	* 1.7869	* 1.7394	* 1.6701	* 1.6011	* 2.5244	* 4.4197	*	*
	* 1.7814	* 1.7441	* 1.6964	* 1.6390	* 2.4904	* 4.4085	*	*
	* 1.7106	* 1.6823	* 1.6717	* 1.6558	* 2.4985	* 4.4037	*	*
	* 1.6812	* 1.6633	* 1.6622	* 1.7428	* 2.5266	* 4.2949	*	*
	* 1.7053	* 1.6931	* 1.6949	* 1.7992	* 2.5217	* 4.0825	*	*
	* 1.7348	* 1.7271	* 1.7275	* 1.8451	* 2.4685	* 3.7713	*	*

15	* 3.6184	* 3.4687	* 3.5466	* 3.6953	* 4	EFFD 118	% POWER	
	* 3.3286	* 3.1901	* 3.2927	* 3.5843	* 75	EFFD 118	% POWER	
	* 3.1892	* 3.0599	* 3.1769	* 3.5349	* 125	EFFD 118	% POWER	
	* 3.0211	* 2.9019	* 3.0247	* 3.4499	* 250	EFFD 118	% POWER	
	* 2.9140	* 2.7941	* 2.9179	* 3.3632	* 350	EFFD 118	% POWER	
	* 2.7771	* 2.6794	* 2.7815	* 3.2188	* 465	EFFD 118	% POWER	

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 2.1342	* 1.9142	* 1.9909	* 2.0871	* 1.9138	* 2.1819	* 1.8532	* 3.8237
	* 2.3760	* 2.1139	* 2.1897	* 2.1363	* 1.8147	* 2.1958	* 1.8429	* 3.5044
	* 2.4678	* 2.1936	* 2.2490	* 2.1436	* 1.7829	* 2.1935	* 1.7702	* 3.3559
	* 2.5548	* 2.2646	* 2.3183	* 2.1755	* 1.8116	* 2.2129	* 1.7575	* 3.2086
	* 2.5369	* 2.2492	* 2.3184	* 2.1845	* 1.8678	* 2.2154	* 1.7893	* 3.1035
	* 2.4767	* 2.2048	* 2.2833	* 2.1715	* 1.9260	* 2.1888	* 1.8205	* 2.9687

9	* 1.9142	* 1.7675	* 2.0400	* 1.8316	* 2.0367	* 1.9989	* 1.8067	* 3.6910
	* 2.1139	* 1.8890	* 2.1751	* 1.8806	* 2.0714	* 2.0006	* 1.8078	* 3.3999
	* 2.1936	* 1.9006	* 2.2265	* 1.8651	* 2.0858	* 2.0178	* 1.7474	* 3.2668
	* 2.2646	* 1.9198	* 2.2780	* 1.8597	* 2.1104	* 2.0598	* 1.7442	* 3.1251
	* 2.2492	* 1.9275	* 2.2782	* 1.8868	* 2.1169	* 2.0699	* 1.7803	* 3.0176
	* 2.2048	* 1.9456	* 2.2544	* 1.9265	* 2.1089	* 2.0545	* 1.8139	* 2.8991

10	* 1.9907	* 2.0407	* 1.8685	* 1.8757	* 1.8232	* 1.9987	* 1.7403	* 3.7519
	* 2.1893	* 2.1758	* 1.9987	* 1.9501	* 1.8315	* 1.9700	* 1.7669	* 3.5032
	* 2.2488	* 2.2271	* 2.0573	* 1.9843	* 1.8125	* 1.9825	* 1.7415	* 3.3876
	* 2.3182	* 2.2785	* 2.1211	* 2.0391	* 1.8356	* 2.0227	* 1.7474	* 3.2553
	* 2.3180	* 2.2786	* 2.1310	* 2.0390	* 1.8662	* 2.0341	* 1.7852	* 3.1508
	* 2.2831	* 2.2547	* 2.1206	* 2.0373	* 1.9153	* 2.0172	* 1.8173	* 3.0015

11	* 2.0871	* 1.8321	* 1.8770	* 1.8221	* 2.1424	* 1.8594	* 1.6692	* 3.7605
	* 2.1362	* 1.8813	* 1.9516	* 1.8938	* 2.1295	* 1.7786	* 1.7068	* 3.6578
	* 2.1435	* 1.8656	* 1.9858	* 1.8744	* 2.1321	* 1.7399	* 1.7293	* 3.6360
	* 2.1755	* 1.8599	* 2.0399	* 1.8301	* 2.1330	* 1.7625	* 1.8454	* 3.6149
	* 2.1845	* 1.8869	* 2.0396	* 1.8383	* 2.1290	* 1.8129	* 1.9048	* 3.5092
	* 2.1715	* 1.9265	* 2.0378	* 1.8836	* 2.1151	* 1.8677	* 1.9520	* 3.3191

12	* 1.9138	* 2.0380	* 1.8240	* 2.1443	* 1.9858	* 1.6537	* 2.7267	*
	* 1.8147	* 2.0725	* 1.8327	* 2.1315	* 2.0294	* 1.6827	* 2.6837	*
	* 1.7829	* 2.0866	* 1.8135	* 2.1336	* 2.0635	* 1.6998	* 2.6986	*
	* 1.8116	* 2.1108	* 1.8359	* 2.1339	* 2.1276	* 1.7683	* 2.7609	*
	* 1.8678	* 2.1170	* 1.8662	* 2.1295	* 2.1364	* 1.8242	* 2.7552	*
	* 1.9260	* 2.1090	* 1.9153	* 2.1156	* 2.1153	* 1.8598	* 2.6995	*

13	* 2.1819	* 2.0000	* 2.0018	* 1.8648	* 1.6560	* 2.6136	* 4.7965	*
	* 2.1958	* 2.0014	* 1.9737	* 1.7810	* 1.6847	* 2.6466	* 4.7763	*
	* 2.1935	* 2.0183	* 1.9855	* 1.7418	* 1.7013	* 2.6891	* 4.7810	*
	* 2.2129	* 2.0597	* 2.0243	* 1.7632	* 1.7690	* 2.7655	* 4.7086	*
	* 2.2154	* 2.0695	* 2.0351	* 1.8131	* 1.8244	* 2.7280	* 4.4755	*
	* 2.1888	* 2.0541	* 2.0179	* 1.8677	* 1.8599	* 2.6188	* 4.1328	*

14	* 1.8532	* 1.8082	* 1.7463	* 1.6758	* 2.7353	* 4.8045	*	*
	* 1.8429	* 1.8085	* 1.7716	* 1.7119	* 2.6908	* 4.7838	*	*
	* 1.7703	* 1.7481	* 1.7445	* 1.7335	* 2.7046	* 4.7877	*	*
	* 1.7575	* 1.7441	* 1.7481	* 1.8478	* 2.7650	* 4.7134	*	*
	* 1.7893	* 1.7800	* 1.7855	* 1.9063	* 2.7580	* 4.4793	*	*
	* 1.8205	* 1.8136	* 1.8173	* 1.9531	* 2.7017	* 4.1355	*	*

15	* 3.8182	* 3.6820	* 3.7666	* 3.9700	* 4 EFPD	118 % POWER		
	* 3.4991	* 3.3909	* 3.5089	* 3.8584	* 75 EFPD	118 % POWER		
	* 3.3558	* 3.2575	* 3.3918	* 3.7942	* 125 EFPD	118 % POWER		
	* 3.2041	* 3.1144	* 3.2574	* 3.7313	* 250 EFPD	118 % POWER		
	* 3.1033	* 3.0076	* 3.1524	* 3.6470	* 350 EFPD	118 % POWER		
	* 2.9646	* 2.8895	* 3.0020	* 3.4847	* 465 EFPD	118 % POWER		

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TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 2.2408	* 2.0110	* 2.0847	* 2.1844	* 2.0098	* 2.3062	* 1.9585	* 3.9955
	* 2.4913	* 2.2156	* 2.2830	* 2.2235	* 1.8931	* 2.3060	* 1.9431	* 3.6852
	* 2.6006	* 2.3077	* 2.3671	* 2.2618	* 1.8854	* 2.3242	* 1.8711	* 3.5469
	* 2.7079	* 2.3971	* 2.4585	* 2.3171	* 1.9341	* 2.3644	* 1.8692	* 3.4163
	* 2.7008	* 2.3935	* 2.4720	* 2.3410	* 2.0051	* 2.3766	* 1.9108	* 3.3153
	* 2.6508	* 2.3631	* 2.4509	* 2.3402	* 2.0771	* 2.3553	* 1.9507	* 3.1789

9	* 2.0110	* 1.8527	* 2.1365	* 1.9218	* 2.1515	* 2.1188	* 1.9113	* 3.8647
	* 2.2156	* 1.9734	* 2.2659	* 1.9605	* 2.1678	* 2.1161	* 1.9072	* 3.5789
	* 2.3077	* 1.9960	* 2.3454	* 1.9702	* 2.2092	* 2.1392	* 1.8459	* 3.4557
	* 2.3971	* 2.0345	* 2.4198	* 1.9831	* 2.2549	* 2.2017	* 1.8569	* 3.3270
	* 2.3935	* 2.0554	* 2.4351	* 2.0236	* 2.2743	* 2.2215	* 1.9034	* 3.2226
	* 2.3631	* 2.0864	* 2.4246	* 2.0765	* 2.2764	* 2.2119	* 1.9451	* 3.1030

10	* 2.0845	* 2.1373	* 1.9686	* 1.9783	* 1.9200	* 2.1196	* 1.8407	* 3.9493
	* 2.2826	* 2.2667	* 2.0909	* 2.0433	* 1.9299	* 2.0833	* 1.8644	* 3.6963
	* 2.3669	* 2.3461	* 2.1753	* 2.1008	* 1.9254	* 2.1016	* 1.8405	* 3.5877
	* 2.4583	* 2.4203	* 2.2595	* 2.1779	* 1.9635	* 2.1621	* 1.8612	* 3.4722
	* 2.4715	* 2.4355	* 2.2822	* 2.1917	* 2.0039	* 2.1826	* 1.9086	* 3.3711
	* 2.4507	* 2.4249	* 2.2841	* 2.1997	* 2.0640	* 2.1709	* 1.9489	* 3.2182

11	* 2.1844	* 1.9224	* 1.9797	* 1.9194	* 2.2670	* 1.9670	* 1.7634	* 3.9659
	* 2.2234	* 1.9612	* 2.0449	* 1.9815	* 2.2598	* 1.8804	* 1.7998	* 3.8727
	* 2.2618	* 1.9707	* 2.1024	* 1.9825	* 2.2673	* 1.8434	* 1.8286	* 3.8601
	* 2.3171	* 1.9834	* 2.1789	* 1.9554	* 2.2860	* 1.8837	* 1.9686	* 3.8641
	* 2.3409	* 2.0237	* 2.1924	* 1.9741	* 2.2922	* 1.9464	* 2.0401	* 3.7606
	* 2.3402	* 2.0765	* 2.2003	* 2.0299	* 2.2855	* 2.0081	* 2.0946	* 3.5628

12	* 2.0097	* 2.1528	* 1.9209	* 2.2688	* 2.1130	* 1.7552	* 2.8857	*
	* 1.8931	* 2.1689	* 1.9311	* 2.2619	* 2.1562	* 1.7830	* 2.8442	*
	* 1.8854	* 2.2098	* 1.9264	* 2.2688	* 2.1978	* 1.8058	* 2.8660	*
	* 1.9341	* 2.2553	* 1.9639	* 2.2869	* 2.2851	* 1.8944	* 2.9539	*
	* 2.0051	* 2.2745	* 2.0039	* 2.2929	* 2.3041	* 1.9621	* 2.9572	*
	* 2.0771	* 2.2765	* 2.0640	* 2.2860	* 2.2826	* 2.0007	* 2.8953	*

13	* 2.3062	* 2.1199	* 2.1229	* 1.9725	* 1.7577	* 2.7822	* 5.0530	*
	* 2.3060	* 2.1168	* 2.0871	* 1.8829	* 1.7851	* 2.8125	* 5.0395	*
	* 2.3242	* 2.1396	* 2.1047	* 1.8452	* 1.8074	* 2.8640	* 5.0585	*
	* 2.3644	* 2.2016	* 2.1637	* 1.8844	* 1.8951	* 2.9685	* 5.0170	*
	* 2.3766	* 2.2211	* 2.1836	* 1.9466	* 1.9624	* 2.9371	* 4.7872	*
	* 2.3553	* 2.2114	* 2.1717	* 2.0081	* 2.0008	* 2.8177	* 4.4230	*

14	* 1.9585	* 1.9129	* 1.8468	* 1.7702	* 2.8941	* 5.0612	*	*
	* 1.9430	* 1.9079	* 1.8693	* 1.8050	* 2.8515	* 5.0468	*	*
	* 1.8711	* 1.8465	* 1.8443	* 1.8329	* 2.8721	* 5.0650	*	*
	* 1.8692	* 1.8567	* 1.8619	* 1.9710	* 2.9581	* 5.0218	*	*
	* 1.9108	* 1.9026	* 1.9088	* 2.0417	* 2.9600	* 4.7911	*	*
	* 1.9507	* 1.9442	* 1.9489	* 2.0957	* 2.8977	* 4.4258	*	*

15	* 3.9897	* 3.8547	* 3.9633	* 4.1855	* 4 EFPD	118 % POWER		
	* 3.6796	* 3.5666	* 3.7014	* 4.0791	* 75 EFPD	118 % POWER		
	* 3.5468	* 3.4434	* 3.5917	* 4.0456	* 125 EFPD	118 % POWER		
	* 3.4114	* 3.3155	* 3.4743	* 4.0074	* 250 EFPD	118 % POWER		
	* 3.3151	* 3.2118	* 3.3725	* 3.9279	* 350 EFPD	118 % POWER		
	* 3.1746	* 3.0926	* 3.2184	* 3.7598	* 465 EFPD	118 % POWER		

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TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 2.2180	* 1.9895	* 2.0608	* 2.1585	* 1.9857	* 2.2831	* 1.9586	* 4.0175
	* 2.4550	* 2.1817	* 2.2447	* 2.1930	* 1.8706	* 2.2695	* 1.9204	* 3.6423
	* 2.5746	* 2.2865	* 2.3264	* 2.2250	* 1.8589	* 2.3015	* 1.8715	* 3.5196
	* 2.7733	* 2.4583	* 2.4975	* 2.3517	* 1.9764	* 2.4406	* 1.9623	* 3.5299
	* 2.8021	* 2.4812	* 2.5397	* 2.4094	* 2.0820	* 2.4969	* 2.0471	* 3.4895
	* 2.7546	* 2.4558	* 2.5226	* 2.4181	* 2.1693	* 2.4913	* 2.1083	* 3.3505

9	* 1.9895	* 1.8358	* 2.1114	* 1.9030	* 2.1243	* 2.1152	* 1.9179	* 3.8790
	* 2.1817	* 1.9448	* 2.2302	* 1.9365	* 2.1388	* 2.0909	* 1.8925	* 3.5147
	* 2.2866	* 1.9826	* 2.3059	* 1.9449	* 2.1722	* 2.1319	* 1.8541	* 3.4038
	* 2.4583	* 2.0891	* 2.4583	* 2.0280	* 2.2965	* 2.2870	* 1.9544	* 3.4087
	* 2.4812	* 2.1404	* 2.5047	* 2.1036	* 2.3533	* 2.3498	* 2.0423	* 3.3612
	* 2.4558	* 2.1851	* 2.5011	* 2.1712	* 2.3685	* 2.3529	* 2.1054	* 3.2573

10	* 2.0606	* 2.1123	* 1.9434	* 1.9528	* 1.9017	* 2.1200	* 1.8592	* 3.9825
	* 2.2442	* 2.2310	* 2.0650	* 2.0164	* 1.9063	* 2.0695	* 1.8606	* 3.6404
	* 2.3262	* 2.3066	* 2.1470	* 2.0731	* 1.9076	* 2.1071	* 1.8538	* 3.5509
	* 2.4973	* 2.4589	* 2.2852	* 2.2265	* 2.0270	* 2.2652	* 1.9656	* 3.5673
	* 2.5392	* 2.5051	* 2.3384	* 2.2799	* 2.1106	* 2.3307	* 2.0582	* 3.5245
	* 2.5224	* 2.5015	* 2.3509	* 2.3005	* 2.1860	* 2.3355	* 2.1204	* 3.3869

11	* 2.1585	* 1.9037	* 1.9542	* 1.8995	* 2.2494	* 1.9851	* 1.7885	* 3.9821
	* 2.1929	* 1.9372	* 2.0181	* 1.9588	* 2.2324	* 1.8730	* 1.8054	* 3.8179
	* 2.2249	* 1.9455	* 2.0747	* 1.9679	* 2.2520	* 1.8537	* 1.8524	* 3.8309
	* 2.3516	* 2.0283	* 2.2275	* 2.0154	* 2.3559	* 1.9836	* 2.0892	* 3.9851
	* 2.4093	* 2.1037	* 2.2809	* 2.0781	* 2.4017	* 2.0889	* 2.2074	* 3.9459
	* 2.4180	* 2.1712	* 2.3014	* 2.1543	* 2.4135	* 2.1721	* 2.2847	* 3.7634

12	* 1.9857	* 2.1257	* 1.9027	* 2.2510	* 2.1349	* 1.7904	* 2.8825	*
	* 1.8706	* 2.1400	* 1.9076	* 2.2341	* 2.1556	* 1.7993	* 2.7994	*
	* 1.8589	* 2.1729	* 1.9086	* 2.2534	* 2.2142	* 1.8405	* 2.8453	*
	* 1.9764	* 2.2970	* 2.0274	* 2.3567	* 2.3953	* 2.0222	* 3.0591	*
	* 2.0820	* 2.3535	* 2.1107	* 2.4023	* 2.4410	* 2.1246	* 3.1167	*
	* 2.1693	* 2.3687	* 2.1860	* 2.4140	* 2.4447	* 2.1819	* 3.0698	*

13	* 2.2831	* 2.1165	* 2.1233	* 1.9906	* 1.7929	* 2.7990	* 5.1358	*
	* 2.2695	* 2.0916	* 2.0733	* 1.8755	* 1.8015	* 2.7986	* 5.0589	*
	* 2.3015	* 2.1322	* 2.1100	* 1.8555	* 1.8421	* 2.8739	* 5.1186	*
	* 2.4406	* 2.2867	* 2.2667	* 1.9842	* 2.0229	* 3.1033	* 5.2724	*
	* 2.4969	* 2.3489	* 2.3316	* 2.0889	* 2.1249	* 3.1125	* 5.0577	*
	* 2.4913	* 2.3521	* 2.3362	* 2.1720	* 2.1821	* 3.0021	* 4.6960	*

14	* 1.9586	* 1.9195	* 1.8654	* 1.7953	* 2.8915	* 5.1444	*	*
	* 1.9204	* 1.8932	* 1.8653	* 1.8105	* 2.8066	* 5.0664	*	*
	* 1.8715	* 1.8547	* 1.8557	* 1.8565	* 2.8513	* 5.1251	*	*
	* 1.9623	* 1.9535	* 1.9661	* 2.0914	* 3.0631	* 5.2776	*	*
	* 2.0471	* 2.0413	* 2.0583	* 2.2088	* 3.1194	* 5.0618	*	*
	* 2.1083	* 2.1045	* 2.1202	* 2.2856	* 3.0721	* 4.6989	*	*

15	* 4.0119	* 3.8648	* 3.9894	* 4.1969	* 4	EFFD 118	% POWER	*
	* 3.6368	* 3.5017	* 3.6454	* 4.0089	* 75	EFFD 118	% POWER	*
	* 3.5196	* 3.3916	* 3.5545	* 3.9991	* 125	EFFD 118	% POWER	*
	* 3.5249	* 3.3970	* 3.5687	* 4.1160	* 250	EFFD 118	% POWER	*
	* 3.4868	* 3.3502	* 3.5255	* 4.1036	* 350	EFFD 118	% POWER	*
	* 3.3459	* 3.2469	* 3.3869	* 3.9504	* 465	EFFD 118	% POWER	*

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TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 2.1447	* 1.9231	* 1.9882	* 2.0734	* 1.8965	* 2.1997	* 1.8767	* 3.8812
	* 2.3778	* 2.1071	* 2.1615	* 2.1046	* 1.7859	* 2.1901	* 1.8385	* 3.5217
	* 2.4858	* 2.2013	* 2.2330	* 2.1282	* 1.7716	* 2.2160	* 1.7865	* 3.4015
	* 2.6213	* 2.3195	* 2.3535	* 2.2221	* 1.8547	* 2.3035	* 1.8329	* 3.3499
	* 2.6425	* 2.3440	* 2.4007	* 2.2759	* 1.9533	* 2.3564	* 1.9129	* 3.3087
	* 2.6103	* 2.3247	* 2.3929	* 2.2896	* 2.0411	* 2.3597	* 1.9773	* 3.2120

9	* 1.9231	* 1.7622	* 2.0327	* 1.8199	* 2.0441	* 2.0389	* 1.8386	* 3.7705
	* 2.1071	* 1.8644	* 2.1484	* 1.8516	* 2.0549	* 2.0137	* 1.8110	* 3.4350
	* 2.2013	* 1.8932	* 2.2139	* 1.8535	* 2.0818	* 2.0485	* 1.7677	* 3.3287
	* 2.3195	* 1.9632	* 2.3220	* 1.9044	* 2.1721	* 2.1564	* 1.8262	* 3.2726
	* 2.3440	* 2.0117	* 2.3728	* 1.9731	* 2.2227	* 2.2137	* 1.9093	* 3.2251
	* 2.3247	* 2.0521	* 2.3724	* 2.0415	* 2.2408	* 2.2253	* 1.9745	* 3.1427

10	* 1.9880	* 2.0336	* 1.8771	* 1.8840	* 1.8173	* 2.0462	* 1.7887	* 3.8715
	* 2.1610	* 2.1492	* 1.9874	* 1.9416	* 1.8339	* 1.9975	* 1.7877	* 3.5613
	* 2.2328	* 2.2147	* 2.0605	* 1.9915	* 1.8314	* 2.0270	* 1.7689	* 3.4763
	* 2.3533	* 2.3225	* 2.1818	* 2.1076	* 1.9060	* 2.1395	* 1.8395	* 3.4340
	* 2.4003	* 2.3732	* 2.2367	* 2.1551	* 1.9805	* 2.2004	* 1.9272	* 3.3919
	* 2.3927	* 2.3728	* 2.2479	* 2.1750	* 2.0555	* 2.2055	* 1.9886	* 3.2716

11	* 2.0733	* 1.8205	* 1.8831	* 1.8222	* 2.1881	* 1.9118	* 1.7189	* 3.9056
	* 2.1045	* 1.8524	* 1.9433	* 1.8769	* 2.1616	* 1.8049	* 1.7325	* 3.7464
	* 2.1281	* 1.8541	* 1.9930	* 1.8837	* 2.1778	* 1.7781	* 1.7719	* 3.7668
	* 2.2220	* 1.9047	* 2.1087	* 1.8964	* 2.2389	* 1.8635	* 1.9616	* 3.8510
	* 2.2758	* 1.9732	* 2.1560	* 1.9514	* 2.2763	* 1.9613	* 2.0704	* 3.8113
	* 2.2895	* 2.0416	* 2.1759	* 2.0257	* 2.2871	* 2.0417	* 2.1368	* 3.6392

12	* 1.8965	* 2.0455	* 1.8182	* 2.1898	* 2.0717	* 1.7259	* 2.8479	*
	* 1.7859	* 2.0558	* 1.8350	* 2.1633	* 2.0934	* 1.7318	* 2.7721	*
	* 1.7716	* 2.0825	* 1.8323	* 2.1791	* 2.1443	* 1.7640	* 2.8130	*
	* 1.8547	* 2.1726	* 1.9063	* 2.2397	* 2.2752	* 1.9000	* 2.9615	*
	* 1.9533	* 2.2230	* 1.9805	* 2.2769	* 2.3294	* 2.0067	* 3.0131	*
	* 2.0411	* 2.2409	* 2.0554	* 2.2875	* 2.3256	* 2.0659	* 2.9715	*

13	* 2.1997	* 2.0399	* 2.0493	* 1.9171	* 1.7284	* 2.7598	* 5.0761	*
	* 2.1901	* 2.0143	* 2.0011	* 1.8074	* 1.7340	* 2.7643	* 4.9956	*
	* 2.2160	* 2.0487	* 2.0298	* 1.7799	* 1.7655	* 2.8312	* 5.0392	*
	* 2.3035	* 2.1556	* 2.1409	* 1.8641	* 1.9007	* 2.9978	* 5.0986	*
	* 2.3564	* 2.2128	* 2.2012	* 1.9613	* 2.0069	* 3.0120	* 4.9369	*
	* 2.3597	* 2.2245	* 2.2061	* 2.0416	* 2.0660	* 2.9109	* 4.5886	*

14	* 1.8767	* 1.8401	* 1.7946	* 1.7254	* 2.8562	* 5.0845	*	*
	* 1.8385	* 1.8116	* 1.7922	* 1.7374	* 2.7787	* 5.0024	*	*
	* 1.7865	* 1.7681	* 1.7706	* 1.7757	* 2.8189	* 5.0456	*	*
	* 1.8329	* 1.8252	* 1.8398	* 1.9636	* 2.9653	* 5.1031	*	*
	* 1.9129	* 1.9083	* 1.9271	* 2.0716	* 3.0156	* 4.9405	*	*
	* 1.9773	* 1.9737	* 1.9883	* 2.1455	* 2.9735	* 4.5913	*	*

15	* 3.8755	* 3.7611	* 3.8846	* 4.1196	* 4 EFPD	118 % POWER		
	* 3.5162	* 3.4233	* 3.5656	* 3.9268	* 75 EFPD	118 % POWER		
	* 3.4014	* 3.3168	* 3.4793	* 3.9237	* 125 EFPD	118 % POWER		
	* 3.3451	* 3.2613	* 3.4351	* 3.9674	* 250 EFPD	118 % POWER		
	* 3.3084	* 3.2145	* 3.3925	* 3.9536	* 350 EFPD	118 % POWER		
	* 3.2075	* 3.1324	* 3.2713	* 3.8138	* 465 EFPD	118 % POWER		

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 2.0449	* 1.8299	* 1.8899	* 1.9693	* 1.7956	* 2.0780	* 1.7588	* 3.6563
	* 2.2520	* 1.9921	* 2.0425	* 1.9886	* 1.6837	* 2.0580	* 1.7162	* 3.2975
	* 2.3529	* 2.0802	* 2.1104	* 2.0120	* 1.6687	* 2.0782	* 1.6704	* 3.1823
	* 2.4663	* 2.1795	* 2.2144	* 2.0896	* 1.7452	* 2.1725	* 1.7225	* 3.1534
	* 2.4884	* 2.2051	* 2.2592	* 2.1468	* 1.8435	* 2.2324	* 1.8056	* 3.1307
	* 2.4804	* 2.2121	* 2.2776	* 2.1840	* 1.9465	* 2.2556	* 1.8805	* 3.0708

9	* 1.8299	* 1.6722	* 1.9312	* 1.7233	* 1.9332	* 1.9156	* 1.7217	* 3.5591
	* 1.9921	* 1.7579	* 2.0306	* 1.7454	* 1.9382	* 1.8858	* 1.6909	* 3.2228
	* 2.0802	* 1.7859	* 2.0931	* 1.7488	* 1.9672	* 1.9234	* 1.6546	* 3.1206
	* 2.1795	* 1.8394	* 2.1848	* 1.7891	* 2.0446	* 2.0331	* 1.7159	* 3.0888
	* 2.2051	* 1.8875	* 2.2330	* 1.8592	* 2.0993	* 2.0967	* 1.8015	* 3.0596
	* 2.2121	* 1.9516	* 2.2610	* 1.9460	* 2.1403	* 2.1259	* 1.8776	* 3.0130

10	* 1.8897	* 1.9321	* 1.7752	* 1.7777	* 1.7189	* 1.9186	* 1.6659	* 3.6537
	* 2.0421	* 2.0314	* 1.8771	* 1.8291	* 1.7152	* 1.8631	* 1.6600	* 3.3413
	* 2.1101	* 2.0938	* 1.9480	* 1.8797	* 1.7157	* 1.8982	* 1.6538	* 3.2608
	* 2.2142	* 2.1854	* 2.0502	* 1.9816	* 1.7904	* 2.0118	* 1.7260	* 3.2401
	* 2.2588	* 2.2334	* 2.1068	* 2.0320	* 1.8683	* 2.0795	* 1.8159	* 3.2170
	* 2.2774	* 2.2614	* 2.1443	* 2.0761	* 1.9579	* 2.1042	* 1.8903	* 3.1385

11	* 1.9691	* 1.7239	* 1.7792	* 1.7226	* 2.0644	* 1.7801	* 1.5999	* 3.6733
	* 1.9885	* 1.7462	* 1.8307	* 1.7684	* 2.0257	* 1.6781	* 1.6076	* 3.5042
	* 2.0119	* 1.7494	* 1.8814	* 1.7732	* 2.0475	* 1.6611	* 1.6515	* 3.5216
	* 2.0896	* 1.7894	* 1.9827	* 1.7806	* 2.1080	* 1.7494	* 1.8374	* 3.6282
	* 2.1466	* 1.8593	* 2.0329	* 1.8403	* 2.1537	* 1.8517	* 1.9519	* 3.6101
	* 2.1840	* 1.9460	* 2.0770	* 1.9293	* 2.1871	* 1.9429	* 2.0314	* 3.4922

12	* 1.7956	* 1.9346	* 1.7199	* 2.0663	* 1.9504	* 1.6137	* 2.6716	*
	* 1.6837	* 1.9393	* 1.7164	* 2.0275	* 1.9614	* 1.6123	* 2.5812	*
	* 1.6687	* 1.9679	* 1.7166	* 2.0488	* 2.0155	* 1.6491	* 2.6263	*
	* 1.7452	* 2.0451	* 1.7907	* 2.1088	* 2.1468	* 1.7858	* 2.7907	*
	* 1.8435	* 2.0996	* 1.8683	* 2.1543	* 2.2057	* 1.8963	* 2.8581	*
	* 1.9465	* 2.1405	* 1.9579	* 2.1876	* 2.2223	* 1.9638	* 2.8470	*

13	* 2.0780	* 1.9164	* 1.9214	* 1.7847	* 1.6159	* 2.5944	* 4.7908	*
	* 2.0580	* 1.8863	* 1.8662	* 1.6802	* 1.6141	* 2.5820	* 4.6903	*
	* 2.0782	* 1.9235	* 1.9006	* 1.6627	* 1.6505	* 2.6540	* 4.7420	*
	* 2.1725	* 2.0323	* 2.0130	* 1.7498	* 1.7864	* 2.8321	* 4.8100	*
	* 2.2324	* 2.0958	* 2.0802	* 1.8517	* 1.8966	* 2.8613	* 4.6701	*
	* 2.2556	* 2.1251	* 2.1047	* 1.9427	* 1.9639	* 2.7885	* 4.3826	*

14	* 1.7588	* 1.7230	* 1.6710	* 1.6055	* 2.6795	* 4.7984	*	*
	* 1.7162	* 1.6913	* 1.6639	* 1.6118	* 2.5874	* 4.6972	*	*
	* 1.6704	* 1.6549	* 1.6552	* 1.6548	* 2.6315	* 4.7477	*	*
	* 1.7226	* 1.7150	* 1.7262	* 1.8391	* 2.7941	* 4.8141	*	*
	* 1.8056	* 1.8006	* 1.8158	* 1.9529	* 2.8603	* 4.6734	*	*
	* 1.8805	* 1.8768	* 1.8901	* 2.0321	* 2.8489	* 4.3850	*	*

15	* 3.6508	* 3.5500	* 3.6656	* 3.8661	* 4	EFFD 118 % POWER		
	* 3.2923	* 3.2130	* 3.3453	* 3.6726	* 75	EFFD 118 % POWER		
	* 3.1822	* 3.1098	* 3.2635	* 3.6671	* 125	EFFD 118 % POWER		
	* 3.1488	* 3.0781	* 3.2410	* 3.7364	* 250	EFFD 118 % POWER		
	* 3.1306	* 3.0494	* 3.2175	* 3.7437	* 350	EFFD 118 % POWER		
	* 3.0666	* 3.0029	* 3.1381	* 3.6584	* 465	EFFD 118 % POWER		

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.9334	* 1.7272	* 1.7857	* 1.8623	* 1.6944	* 1.9616	* 1.6572	* 3.4579
	* 2.1343	* 1.8852	* 1.9342	* 1.8786	* 1.5873	* 1.9413	* 1.6141	* 3.1093
	* 2.2269	* 1.9660	* 1.9943	* 1.8954	* 1.5673	* 1.9518	* 1.5627	* 2.9903
	* 2.3224	* 2.0490	* 2.0832	* 1.9631	* 1.6326	* 2.0341	* 1.6065	* 2.9490
	* 2.3396	* 2.0700	* 2.1233	* 2.0168	* 1.7261	* 2.0922	* 1.6864	* 2.9288
	* 2.3486	* 2.0925	* 2.1545	* 2.0677	* 1.8398	* 2.1335	* 1.7783	* 2.8918

9	* 1.7272	* 1.5785	* 1.8265	* 1.6283	* 1.8269	* 1.8050	* 1.6217	* 3.3659
	* 1.8852	* 1.6631	* 1.9225	* 1.6490	* 1.8306	* 1.7739	* 1.5885	* 3.0384
	* 1.9660	* 1.6859	* 1.9777	* 1.6463	* 1.8515	* 1.8024	* 1.5481	* 2.9297
	* 2.0490	* 1.7252	* 2.0542	* 1.6756	* 1.9185	* 1.9010	* 1.5998	* 2.8852
	* 2.0700	* 1.7685	* 2.0977	* 1.7409	* 1.9708	* 1.9630	* 1.6823	* 2.8582
	* 2.0925	* 1.8433	* 2.1395	* 1.8389	* 2.0261	* 2.0106	* 1.7756	* 2.8320

10	* 1.7855	* 1.8274	* 1.6744	* 1.6756	* 1.6234	* 1.8068	* 1.5643	* 3.4570
	* 1.9338	* 1.9234	* 1.7727	* 1.7250	* 1.6152	* 1.7486	* 1.5546	* 3.1462
	* 1.9940	* 1.9785	* 1.8362	* 1.7690	* 1.6115	* 1.7769	* 1.5476	* 3.0572
	* 2.0830	* 2.0548	* 1.9219	* 1.8571	* 1.6720	* 1.8773	* 1.6074	* 3.0253
	* 2.1229	* 2.0981	* 1.9750	* 1.9056	* 1.7447	* 1.9435	* 1.6945	* 3.0045
	* 2.1543	* 2.1398	* 2.0292	* 1.9646	* 1.8514	* 1.9911	* 1.7875	* 2.9495

11	* 1.8622	* 1.6289	* 1.6771	* 1.6252	* 1.9476	* 1.6710	* 1.4993	* 3.4612
	* 1.8785	* 1.6498	* 1.7266	* 1.6685	* 1.9072	* 1.5735	* 1.5029	* 3.2943
	* 1.8953	* 1.6469	* 1.7705	* 1.6686	* 1.9255	* 1.5532	* 1.5402	* 3.3001
	* 1.9631	* 1.6759	* 1.8581	* 1.6635	* 1.9726	* 1.6285	* 1.7092	* 3.3847
	* 2.0167	* 1.7410	* 1.9065	* 1.7190	* 2.0170	* 1.7266	* 1.8199	* 3.3698
	* 2.0677	* 1.8389	* 1.9655	* 1.8245	* 2.0705	* 1.8376	* 1.9199	* 3.2805

12	* 1.6944	* 1.8283	* 1.6243	* 1.9495	* 1.8330	* 1.5108	* 2.5059	*
	* 1.5873	* 1.8315	* 1.6164	* 1.9090	* 1.8420	* 1.5058	* 2.4143	*
	* 1.5673	* 1.8523	* 1.6124	* 1.9268	* 1.8890	* 1.5371	* 2.4495	*
	* 1.6326	* 1.9190	* 1.6722	* 1.9733	* 2.0053	* 1.6598	* 2.5938	*
	* 1.7261	* 1.9711	* 1.7447	* 2.0176	* 2.0651	* 1.7660	* 2.6586	*
	* 1.8398	* 2.0262	* 1.8514	* 2.0709	* 2.1043	* 1.8563	* 2.6744	*

13	* 1.9616	* 1.8058	* 1.8095	* 1.6755	* 1.5130	* 2.4318	* 4.5105	*
	* 1.9413	* 1.7744	* 1.7517	* 1.5756	* 1.5076	* 2.4136	* 4.4037	*
	* 1.9518	* 1.8025	* 1.7792	* 1.5547	* 1.5385	* 2.4752	* 4.4437	*
	* 2.0341	* 1.9004	* 1.8784	* 1.6289	* 1.6604	* 2.6330	* 4.4933	*
	* 2.0922	* 1.9622	* 1.9440	* 1.7266	* 1.7663	* 2.6630	* 4.3623	*
	* 2.1335	* 2.0099	* 1.9915	* 1.8374	* 1.8563	* 2.6227	* 4.1204	*

14	* 1.6572	* 1.6229	* 1.5692	* 1.5046	* 2.5133	* 4.5177	*	*
	* 1.6140	* 1.5889	* 1.5583	* 1.5069	* 2.4203	* 4.4103	*	*
	* 1.5627	* 1.5484	* 1.5490	* 1.5433	* 2.4543	* 4.4494	*	*
	* 1.6065	* 1.5989	* 1.6076	* 1.7107	* 2.5969	* 4.4971	*	*
	* 1.6864	* 1.6814	* 1.6943	* 1.8207	* 2.6605	* 4.3653	*	*
	* 1.7783	* 1.7748	* 1.7872	* 1.9204	* 2.6760	* 4.1225	*	*

15	* 3.4528	* 3.3570	* 3.4681	* 3.6439	* 4	EFFD 118	% POWER	
	* 3.1044	* 3.0270	* 3.1500	* 3.4673	* 75	EFFD 118	% POWER	
	* 2.9902	* 2.9190	* 3.0597	* 3.4356	* 125	EFFD 118	% POWER	
	* 2.9447	* 2.8749	* 3.0260	* 3.4845	* 250	EFFD 118	% POWER	
	* 2.9286	* 2.8484	* 3.0048	* 3.4931	* 350	EFFD 118	% POWER	
	* 2.8878	* 2.8224	* 2.9491	* 3.4353	* 465	EFFD 118	% POWER	

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.8470	* 1.6491	* 1.7048	* 1.7799	* 1.6227	* 1.8765	* 1.5865	* 3.2936
	* 2.0461	* 1.8067	* 1.8511	* 1.7989	* 1.5223	* 1.8585	* 1.5469	* 2.9607
	* 2.1305	* 1.8803	* 1.9049	* 1.8101	* 1.4992	* 1.8582	* 1.4908	* 2.8365
	* 2.2069	* 1.9460	* 1.9789	* 1.8628	* 1.5481	* 1.9224	* 1.5189	* 2.7719
	* 2.2167	* 1.9599	* 2.0113	* 1.9097	* 1.6325	* 1.9744	* 1.5918	* 2.7467
	* 2.2254	* 1.9817	* 2.0414	* 1.9598	* 1.7421	* 2.0151	* 1.6808	* 2.6979

9	* 1.6492	* 1.5110	* 1.7429	* 1.5570	* 1.7435	* 1.7202	* 1.5483	* 3.1976
	* 1.8067	* 1.5969	* 1.8392	* 1.5799	* 1.7505	* 1.6914	* 1.5175	* 2.8715
	* 1.8803	* 1.6157	* 1.8878	* 1.5745	* 1.7667	* 1.7117	* 1.4714	* 2.7566
	* 1.9461	* 1.6411	* 1.9499	* 1.5905	* 1.8181	* 1.7943	* 1.5118	* 2.6891
	* 1.9599	* 1.6762	* 1.9857	* 1.6473	* 1.8637	* 1.8529	* 1.5877	* 2.6572
	* 1.9817	* 1.7470	* 2.0263	* 1.7408	* 1.9180	* 1.8990	* 1.6781	* 2.6311

10	* 1.7046	* 1.7438	* 1.5972	* 1.6005	* 1.5524	* 1.7206	* 1.4915	* 3.2763
	* 1.8507	* 1.8401	* 1.6955	* 1.6496	* 1.5465	* 1.6654	* 1.4812	* 2.9644
	* 1.9047	* 1.8887	* 1.7497	* 1.6866	* 1.5384	* 1.6859	* 1.4686	* 2.8690
	* 1.9788	* 1.9505	* 1.8055	* 1.7582	* 1.5834	* 1.7699	* 1.5177	* 2.8166
	* 2.0108	* 1.9861	* 1.8481	* 1.8002	* 1.6489	* 1.8312	* 1.5978	* 2.7905
	* 2.0412	* 2.0266	* 1.8972	* 1.8583	* 1.7507	* 1.8796	* 1.6885	* 2.7385

11	* 1.7798	* 1.5577	* 1.6018	* 1.5549	* 1.8545	* 1.5939	* 1.4279	* 3.2550
	* 1.7988	* 1.5806	* 1.6511	* 1.5986	* 1.8224	* 1.5033	* 1.4310	* 3.0969
	* 1.8099	* 1.5752	* 1.6881	* 1.5972	* 1.8335	* 1.4790	* 1.4613	* 3.0887
	* 1.8627	* 1.5908	* 1.7592	* 1.5766	* 1.8636	* 1.5366	* 1.6105	* 3.1466
	* 1.9096	* 1.6474	* 1.8011	* 1.6230	* 1.9012	* 1.6266	* 1.7148	* 3.1269
	* 1.9598	* 1.7408	* 1.8591	* 1.7244	* 1.9539	* 1.7348	* 1.8133	* 3.0450

12	* 1.6227	* 1.7449	* 1.5534	* 1.8560	* 1.7458	* 1.4376	* 2.3489	*
	* 1.5223	* 1.7517	* 1.5477	* 1.8242	* 1.7557	* 1.4323	* 2.2609	*
	* 1.4992	* 1.7675	* 1.5393	* 1.8348	* 1.7953	* 1.4586	* 2.2849	*
	* 1.5481	* 1.8186	* 1.5837	* 1.8644	* 1.8905	* 1.5635	* 2.4000	*
	* 1.6325	* 1.8639	* 1.6489	* 1.9018	* 1.9293	* 1.6623	* 2.4559	*
	* 1.7421	* 1.9181	* 1.7507	* 1.9544	* 1.9750	* 1.7513	* 2.4705	*

13	* 1.8765	* 1.7210	* 1.7233	* 1.5982	* 1.4398	* 2.2818	* 4.2450	*
	* 1.8585	* 1.6919	* 1.6684	* 1.5054	* 1.4341	* 2.2643	* 4.1416	*
	* 1.8582	* 1.7119	* 1.6882	* 1.4805	* 1.4600	* 2.3144	* 4.1640	*
	* 1.9224	* 1.7939	* 1.7710	* 1.5371	* 1.5641	* 2.4431	* 4.1813	*
	* 1.9744	* 1.8523	* 1.8317	* 1.6266	* 1.6625	* 2.4668	* 4.0505	*
	* 2.0151	* 1.8982	* 1.8799	* 1.7346	* 1.7514	* 2.4311	* 3.8264	*

14	* 1.5864	* 1.5494	* 1.4963	* 1.4331	* 2.3559	* 4.2520	*	*
	* 1.5468	* 1.5179	* 1.4849	* 1.4349	* 2.2666	* 4.1479	*	*
	* 1.4908	* 1.4717	* 1.4700	* 1.4644	* 2.2895	* 4.1695	*	*
	* 1.5189	* 1.5112	* 1.5178	* 1.6119	* 2.4029	* 4.1848	*	*
	* 1.5918	* 1.5868	* 1.5976	* 1.7156	* 2.4577	* 4.0533	*	*
	* 1.6808	* 1.6773	* 1.6882	* 1.8137	* 2.4720	* 3.8284	*	*

15	* 3.2887	* 3.1853	* 3.2812	* 3.4311	* 4	EFFD 118 % POWER		
	* 2.9561	* 2.8604	* 2.9679	* 3.2492	* 75	EFFD 118 % POWER		
	* 2.8364	* 2.7462	* 2.8713	* 3.2213	* 125	EFFD 118 % POWER		
	* 2.7679	* 2.6793	* 2.8171	* 3.2471	* 250	EFFD 118 % POWER		
	* 2.7461	* 2.6478	* 2.7907	* 3.2487	* 350	EFFD 118 % POWER		
	* 2.6940	* 2.6221	* 2.7379	* 3.1933	* 465	EFFD 118 % POWER		

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TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.7378	* 1.5516	* 1.6098	* 1.6842	* 1.5292	* 1.7769	* 1.4894	* 3.1581
	* 1.9398	* 1.7118	* 1.7622	* 1.7112	* 1.4383	* 1.7669	* 1.4584	* 2.8493
	* 2.0180	* 1.7802	* 1.8109	* 1.7179	* 1.4114	* 1.7617	* 1.3994	* 2.7183
	* 2.0750	* 1.8288	* 1.8678	* 1.7532	* 1.4431	* 1.8060	* 1.4101	* 2.6266
	* 2.0778	* 1.8368	* 1.8922	* 1.7922	* 1.5180	* 1.8509	* 1.4746	* 2.5945
	* 2.0834	* 1.8569	* 1.9207	* 1.8401	* 1.6222	* 1.8904	* 1.5593	* 2.5622

9	* 1.5516	* 1.4172	* 1.6485	* 1.4633	* 1.6468	* 1.6211	* 1.4514	* 3.0799
	* 1.7118	* 1.5088	* 1.7506	* 1.4926	* 1.6627	* 1.6017	* 1.4288	* 2.7898
	* 1.7802	* 1.5227	* 1.7941	* 1.4833	* 1.6747	* 1.6167	* 1.3792	* 2.6700
	* 1.8288	* 1.5310	* 1.8396	* 1.4823	* 1.7080	* 1.6812	* 1.4023	* 2.5818
	* 1.8369	* 1.5580	* 1.8674	* 1.5294	* 1.7454	* 1.7327	* 1.4704	* 2.5433
	* 1.8569	* 1.6227	* 1.9061	* 1.6197	* 1.7976	* 1.7783	* 1.5566	* 2.5200

10	* 1.6096	* 1.6494	* 1.5049	* 1.5045	* 1.4577	* 1.6188	* 1.3937	* 3.1519
	* 1.7618	* 1.7515	* 1.6071	* 1.5624	* 1.4575	* 1.5712	* 1.3893	* 2.8888
	* 1.8107	* 1.7949	* 1.6568	* 1.5942	* 1.4452	* 1.5856	* 1.3738	* 2.7860
	* 1.8676	* 1.8402	* 1.7134	* 1.6479	* 1.4728	* 1.6530	* 1.4068	* 2.7075
	* 1.8918	* 1.8678	* 1.7528	* 1.6820	* 1.5276	* 1.7076	* 1.4784	* 2.6746
	* 1.9205	* 1.9064	* 1.8030	* 1.7387	* 1.6263	* 1.7552	* 1.5651	* 2.6261

11	* 1.6841	* 1.4640	* 1.5060	* 1.4598	* 1.7562	* 1.4889	* 1.3301	* 3.1531
	* 1.7111	* 1.4933	* 1.5639	* 1.5093	* 1.7258	* 1.4100	* 1.3379	* 3.0134
	* 1.7178	* 1.4839	* 1.5957	* 1.5027	* 1.7312	* 1.3807	* 1.3617	* 2.9963
	* 1.7532	* 1.4826	* 1.6489	* 1.4653	* 1.7482	* 1.4223	* 1.4898	* 3.0278
	* 1.7921	* 1.5296	* 1.6829	* 1.5039	* 1.7801	* 1.5057	* 1.5865	* 3.0012
	* 1.8400	* 1.6197	* 1.7396	* 1.6011	* 1.8313	* 1.6092	* 1.6806	* 2.9239

12	* 1.5292	* 1.6482	* 1.4586	* 1.7580	* 1.6365	* 1.3418	* 2.2697	*
	* 1.4383	* 1.6639	* 1.4586	* 1.7277	* 1.6539	* 1.3409	* 2.1923	*
	* 1.4114	* 1.6755	* 1.4461	* 1.7325	* 1.6868	* 1.3602	* 2.2071	*
	* 1.4431	* 1.7085	* 1.4731	* 1.7489	* 1.7582	* 1.4400	* 2.2932	*
	* 1.5180	* 1.7457	* 1.5277	* 1.7806	* 1.8105	* 1.5343	* 2.3504	*
	* 1.6222	* 1.7978	* 1.6263	* 1.8317	* 1.8488	* 1.6189	* 2.3696	*

13	* 1.7769	* 1.6219	* 1.6215	* 1.4931	* 1.3439	* 2.1922	* 4.1256	*
	* 1.7669	* 1.6022	* 1.5741	* 1.4130	* 1.3427	* 2.1842	* 4.0424	*
	* 1.7617	* 1.6169	* 1.5879	* 1.3830	* 1.3615	* 2.2254	* 4.0505	*
	* 1.8060	* 1.6808	* 1.6539	* 1.4227	* 1.4406	* 2.3189	* 4.0320	*
	* 1.8509	* 1.7318	* 1.7081	* 1.5056	* 1.5345	* 2.3489	* 3.8984	*
	* 1.8904	* 1.7776	* 1.7556	* 1.6089	* 1.6190	* 2.3168	* 3.6819	*

14	* 1.4894	* 1.4526	* 1.3982	* 1.3350	* 2.2766	* 4.1323	*	*
	* 1.4584	* 1.4292	* 1.3928	* 1.3417	* 2.1979	* 4.0487	*	*
	* 1.3994	* 1.3796	* 1.3759	* 1.3646	* 2.2117	* 4.0560	*	*
	* 1.4101	* 1.4020	* 1.4069	* 1.4912	* 2.2959	* 4.0355	*	*
	* 1.4746	* 1.4696	* 1.4782	* 1.5872	* 2.3520	* 3.9011	*	*
	* 1.5593	* 1.5559	* 1.5647	* 1.6809	* 2.3710	* 3.6838	*	*

15	* 3.1533	* 3.0717	* 3.1627	* 3.3119	* 4 EFPD	118 %	POWER	
	* 2.8447	* 2.7821	* 2.8925	* 3.1585	* 75 EFPD	118 %	POWER	
	* 2.7182	* 2.6625	* 2.7884	* 3.1202	* 125 EFPD	118 %	POWER	
	* 2.6227	* 2.5724	* 2.7081	* 3.1176	* 250 EFPD	118 %	POWER	
	* 2.5943	* 2.5343	* 2.6748	* 3.1115	* 350 EFPD	118 %	POWER	
	* 2.5586	* 2.5112	* 2.6255	* 3.0627	* 465 EFPD	118 %	POWER	

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.6669	* 1.4877	* 1.5483	* 1.6233	* 1.4742	* 1.7128	* 1.4328	* 3.0527
	* 1.8782	* 1.6572	* 1.7115	* 1.6633	* 1.3972	* 1.7159	* 1.4149	* 2.7780
	* 1.9498	* 1.7193	* 1.7556	* 1.6656	* 1.3669	* 1.7055	* 1.3535	* 2.6412
	* 1.9616	* 1.7278	* 1.7690	* 1.6595	* 1.3645	* 1.7098	* 1.3295	* 2.4912
	* 1.9460	* 1.7197	* 1.7768	* 1.6816	* 1.4216	* 1.7389	* 1.3799	* 2.4416
	* 1.9447	* 1.7339	* 1.7987	* 1.7225	* 1.5156	* 1.7717	* 1.4562	* 2.4032

9	* 1.4877	* 1.3603	* 1.5870	* 1.4080	* 1.5862	* 1.5576	* 1.3947	* 2.9815
	* 1.6572	* 1.4636	* 1.6997	* 1.4485	* 1.6153	* 1.5517	* 1.3855	* 2.7231
	* 1.7193	* 1.4727	* 1.7379	* 1.4356	* 1.6221	* 1.5615	* 1.3325	* 2.5970
	* 1.7278	* 1.4453	* 1.7410	* 1.4005	* 1.6163	* 1.5867	* 1.3201	* 2.4518
	* 1.7197	* 1.4558	* 1.7520	* 1.4314	* 1.6381	* 1.6245	* 1.3753	* 2.3960
	* 1.7339	* 1.5121	* 1.7838	* 1.5117	* 1.6826	* 1.6646	* 1.4532	* 2.3656

10	* 1.5481	* 1.5879	* 1.4456	* 1.4449	* 1.4024	* 1.5543	* 1.3376	* 3.0500
	* 1.7111	* 1.7006	* 1.5562	* 1.5132	* 1.4138	* 1.5197	* 1.3427	* 2.8193
	* 1.7554	* 1.7388	* 1.5990	* 1.5369	* 1.3978	* 1.5285	* 1.3225	* 2.7094
	* 1.7689	* 1.7416	* 1.6173	* 1.5551	* 1.3886	* 1.5554	* 1.3226	* 2.5682
	* 1.7764	* 1.7525	* 1.6402	* 1.5745	* 1.4270	* 1.5970	* 1.3807	* 2.5185
	* 1.7986	* 1.7841	* 1.6849	* 1.6238	* 1.5157	* 1.6393	* 1.4596	* 2.4649

11	* 1.6232	* 1.4087	* 1.4463	* 1.4028	* 1.6891	* 1.4289	* 1.2741	* 3.0487
	* 1.6632	* 1.4493	* 1.5148	* 1.4626	* 1.6726	* 1.3638	* 1.2908	* 2.9356
	* 1.6655	* 1.4362	* 1.5383	* 1.4514	* 1.6726	* 1.3303	* 1.3086	* 2.9081
	* 1.6594	* 1.4008	* 1.5561	* 1.3826	* 1.6512	* 1.3367	* 1.3979	* 2.8677
	* 1.6814	* 1.4315	* 1.5754	* 1.4037	* 1.6658	* 1.4032	* 1.4797	* 2.8253
	* 1.7225	* 1.5117	* 1.6246	* 1.4910	* 1.7104	* 1.4984	* 1.5666	* 2.7454

12	* 1.4742	* 1.5876	* 1.4033	* 1.6909	* 1.5645	* 1.2832	* 2.1864	*
	* 1.3972	* 1.6164	* 1.4150	* 1.6745	* 1.5944	* 1.2913	* 2.1259	*
	* 1.3669	* 1.6229	* 1.3988	* 1.6739	* 1.6216	* 1.3054	* 2.1315	*
	* 1.3645	* 1.6167	* 1.3889	* 1.6519	* 1.6537	* 1.3509	* 2.1636	*
	* 1.4216	* 1.6384	* 1.4271	* 1.6663	* 1.6866	* 1.4261	* 2.1991	*
	* 1.5156	* 1.6828	* 1.5156	* 1.7108	* 1.7200	* 1.5044	* 2.2144	*

13	* 1.7128	* 1.5585	* 1.5575	* 1.4330	* 1.2852	* 2.1019	* 3.9827	*
	* 1.7159	* 1.5522	* 1.5228	* 1.3669	* 1.2931	* 2.1093	* 3.9311	*
	* 1.7055	* 1.5617	* 1.5309	* 1.3327	* 1.3068	* 2.1417	* 3.9221	*
	* 1.7098	* 1.5863	* 1.5564	* 1.3371	* 1.3515	* 2.1851	* 3.8240	*
	* 1.7389	* 1.6240	* 1.5975	* 1.4032	* 1.4263	* 2.1922	* 3.6765	*
	* 1.7717	* 1.6639	* 1.6397	* 1.4982	* 1.5044	* 2.1599	* 3.4626	*

14	* 1.4328	* 1.3959	* 1.3421	* 1.2791	* 2.1933	* 3.9894	*	*
	* 1.4148	* 1.3860	* 1.3463	* 1.2946	* 2.1316	* 3.9374	*	*
	* 1.3536	* 1.3329	* 1.3251	* 1.3118	* 2.1361	* 3.9273	*	*
	* 1.3296	* 1.3198	* 1.3228	* 1.3992	* 2.1663	* 3.8275	*	*
	* 1.3799	* 1.3745	* 1.3805	* 1.4804	* 2.2007	* 3.6792	*	*
	* 1.4562	* 1.4525	* 1.4593	* 1.5670	* 2.2158	* 3.4645	*	*

15	* 3.0481	* 2.9736	* 3.0608	* 3.2021	* 4 EFPD	118 % POWER		
	* 2.7736	* 2.7157	* 2.8232	* 3.0785	* 75 EFPD	118 % POWER		
	* 2.6411	* 2.5897	* 2.7120	* 3.0298	* 125 EFPD	118 % POWER		
	* 2.4875	* 2.4426	* 2.5689	* 2.9539	* 250 EFPD	118 % POWER		
	* 2.4414	* 2.3875	* 2.5188	* 2.9301	* 350 EFPD	118 % POWER		
	* 2.3998	* 2.3572	* 2.4644	* 2.8762	* 465 EFPD	118 % POWER		

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.6307	* 1.4552	* 1.5157	* 1.5931	* 1.4561	* 1.6849	* 1.4191	* 2.9769
	* 1.8653	* 1.6462	* 1.7026	* 1.6596	* 1.4053	* 1.7095	* 1.4215	* 2.7514
	* 1.9266	* 1.6989	* 1.7371	* 1.6514	* 1.3657	* 1.6943	* 1.3597	* 2.6201
	* 1.8979	* 1.6703	* 1.7115	* 1.6060	* 1.3271	* 1.6510	* 1.2934	* 2.3945
	* 1.8548	* 1.6394	* 1.6929	* 1.6026	* 1.3598	* 1.6530	* 1.3193	* 2.3071
	* 1.8358	* 1.6351	* 1.6987	* 1.6279	* 1.4352	* 1.6687	* 1.3779	* 2.2331

9	* 1.4552	* 1.3402	* 1.5540	* 1.3882	* 1.5579	* 1.5306	* 1.3805	* 2.9014
	* 1.6462	* 1.4668	* 1.6901	* 1.4531	* 1.6104	* 1.5448	* 1.3903	* 2.6780
	* 1.6989	* 1.4705	* 1.7186	* 1.4358	* 1.6080	* 1.5503	* 1.3372	* 2.5467
	* 1.6703	* 1.4089	* 1.6829	* 1.3658	* 1.5640	* 1.5313	* 1.2838	* 2.3238
	* 1.6394	* 1.3946	* 1.6675	* 1.3723	* 1.5610	* 1.5436	* 1.3142	* 2.2401
	* 1.6351	* 1.4333	* 1.6826	* 1.4316	* 1.5877	* 1.5666	* 1.3746	* 2.1820

10	* 1.5155	* 1.5548	* 1.4152	* 1.4176	* 1.3841	* 1.5287	* 1.3260	* 2.9705
	* 1.7023	* 1.6909	* 1.5457	* 1.5047	* 1.4207	* 1.5147	* 1.3471	* 2.7597
	* 1.7369	* 1.7194	* 1.5789	* 1.5200	* 1.3981	* 1.5190	* 1.3271	* 2.6452
	* 1.7113	* 1.6834	* 1.5455	* 1.5027	* 1.3537	* 1.5015	* 1.2861	* 2.4356
	* 1.6926	* 1.6678	* 1.5397	* 1.4984	* 1.3673	* 1.5173	* 1.3188	* 2.3472
	* 1.6985	* 1.6828	* 1.5652	* 1.5298	* 1.4335	* 1.5425	* 1.3796	* 2.2697

11	* 1.5930	* 1.3889	* 1.4188	* 1.3808	* 1.6506	* 1.4167	* 1.2633	* 2.9434
	* 1.6595	* 1.4539	* 1.5062	* 1.4630	* 1.6665	* 1.3727	* 1.2952	* 2.8685
	* 1.6513	* 1.4365	* 1.5214	* 1.4508	* 1.6602	* 1.3351	* 1.3076	* 2.8312
	* 1.6059	* 1.3661	* 1.5036	* 1.3499	* 1.5963	* 1.2992	* 1.3556	* 2.7137
	* 1.6025	* 1.3724	* 1.4991	* 1.3439	* 1.5826	* 1.3379	* 1.4122	* 2.6294
	* 1.6279	* 1.4316	* 1.5306	* 1.4089	* 1.6076	* 1.4141	* 1.4864	* 2.5254

12	* 1.4561	* 1.5592	* 1.3850	* 1.6521	* 1.5354	* 1.2692	* 2.1064	*
	* 1.4053	* 1.6116	* 1.4220	* 1.6684	* 1.5845	* 1.2927	* 2.0705	*
	* 1.3657	* 1.6087	* 1.3991	* 1.6616	* 1.6096	* 1.2994	* 2.0671	*
	* 1.3271	* 1.5645	* 1.3540	* 1.5970	* 1.5967	* 1.3106	* 2.0389	*
	* 1.3598	* 1.5612	* 1.3673	* 1.5831	* 1.5951	* 1.3569	* 2.0377	*
	* 1.4352	* 1.5879	* 1.4335	* 1.6080	* 1.6131	* 1.4193	* 2.0269	*

13	* 1.6849	* 1.5315	* 1.5314	* 1.4211	* 1.2713	* 2.0233	* 3.8301	*
	* 1.7095	* 1.5454	* 1.5180	* 1.3761	* 1.2946	* 2.0527	* 3.8250	*
	* 1.6943	* 1.5506	* 1.5215	* 1.3376	* 1.3009	* 2.0761	* 3.7936	*
	* 1.6510	* 1.5310	* 1.5026	* 1.2997	* 1.3112	* 2.0627	* 3.6110	*
	* 1.6530	* 1.5431	* 1.5179	* 1.3379	* 1.3572	* 2.0352	* 3.4174	*
	* 1.6687	* 1.5661	* 1.5428	* 1.4139	* 1.4193	* 1.9824	* 3.1788	*

14	* 1.4191	* 1.3817	* 1.3307	* 1.2685	* 2.1134	* 3.8370	*	*
	* 1.4215	* 1.3909	* 1.3510	* 1.2993	* 2.0764	* 3.8311	*	*
	* 1.3597	* 1.3377	* 1.3300	* 1.3109	* 2.0718	* 3.7989	*	*
	* 1.2934	* 1.2835	* 1.2864	* 1.3571	* 2.0417	* 3.6144	*	*
	* 1.3193	* 1.3137	* 1.3188	* 1.4130	* 2.0394	* 3.4201	*	*
	* 1.3779	* 1.3739	* 1.3794	* 1.4868	* 2.0283	* 3.1807	*	*

15	* 2.9728	* 2.8900	* 2.9759	* 3.1056	* 4 EFPD	118 % POWER		
	* 2.7474	* 2.6675	* 2.7638	* 3.0122	* 75 EFPD	118 % POWER		
	* 2.6161	* 2.5368	* 2.6480	* 2.9558	* 125 EFPD	118 % POWER		
	* 2.3910	* 2.3150	* 2.4365	* 2.8032	* 250 EFPD	118 % POWER		
	* 2.3069	* 2.2318	* 2.3476	* 2.7339	* 350 EFPD	118 % POWER		
	* 2.2299	* 2.1742	* 2.2694	* 2.6497	* 465 EFPD	118 % POWER		

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.5928	* 1.4189	* 1.4809	* 1.5548	* 1.4243	* 1.6421	* 1.3855	* 2.9253
	* 1.8581	* 1.6375	* 1.6987	* 1.6581	* 1.4096	* 1.7069	* 1.4216	* 2.7752
	* 1.9151	* 1.6862	* 1.7294	* 1.6470	* 1.3656	* 1.6939	* 1.3655	* 2.6474
	* 1.8495	* 1.6240	* 1.6697	* 1.5666	* 1.2939	* 1.6122	* 1.2622	* 2.3632
	* 1.7758	* 1.5665	* 1.6225	* 1.5346	* 1.2996	* 1.5848	* 1.2608	* 2.2403
	* 1.7334	* 1.5395	* 1.6051	* 1.5369	* 1.3509	* 1.5765	* 1.2954	* 2.1440

9	* 1.4189	* 1.3115	* 1.5173	* 1.3558	* 1.5189	* 1.4931	* 1.3495	* 2.8658
	* 1.6375	* 1.4658	* 1.6859	* 1.4534	* 1.6076	* 1.5397	* 1.3908	* 2.7271
	* 1.6862	* 1.4683	* 1.7108	* 1.4371	* 1.6033	* 1.5484	* 1.3424	* 2.6028
	* 1.6240	* 1.3745	* 1.6409	* 1.3343	* 1.5258	* 1.4918	* 1.2522	* 2.3239
	* 1.5665	* 1.3321	* 1.5970	* 1.3122	* 1.4944	* 1.4759	* 1.2550	* 2.2002
	* 1.5395	* 1.3472	* 1.5888	* 1.3474	* 1.4973	* 1.4762	* 1.2916	* 2.1092

10	* 1.4808	* 1.5181	* 1.3753	* 1.3781	* 1.3510	* 1.4929	* 1.3046	* 2.9463
	* 1.6985	* 1.6867	* 1.5352	* 1.4963	* 1.4260	* 1.5140	* 1.3542	* 2.8240
	* 1.7290	* 1.7115	* 1.5670	* 1.5095	* 1.3986	* 1.5184	* 1.3346	* 2.7104
	* 1.6693	* 1.6414	* 1.5200	* 1.4608	* 1.3242	* 1.4620	* 1.2545	* 2.4387
	* 1.6223	* 1.5973	* 1.4897	* 1.4327	* 1.3077	* 1.4487	* 1.2590	* 2.3059
	* 1.6050	* 1.5890	* 1.4966	* 1.4393	* 1.3478	* 1.4498	* 1.2951	* 2.1953

11	* 1.5548	* 1.3564	* 1.3793	* 1.3465	* 1.6147	* 1.3945	* 1.2425	* 2.9602
	* 1.6580	* 1.4541	* 1.4978	* 1.4607	* 1.6659	* 1.3823	* 1.3002	* 2.9466
	* 1.6469	* 1.4377	* 1.5109	* 1.4517	* 1.6542	* 1.3419	* 1.3105	* 2.9081
	* 1.5665	* 1.3345	* 1.4617	* 1.3187	* 1.5584	* 1.2675	* 1.3201	* 2.7191
	* 1.5345	* 1.3123	* 1.4334	* 1.2863	* 1.5165	* 1.2767	* 1.3475	* 2.5842
	* 1.5369	* 1.3474	* 1.4399	* 1.3235	* 1.5151	* 1.3269	* 1.3954	* 2.4428

12	* 1.4243	* 1.5202	* 1.3519	* 1.6165	* 1.4994	* 1.2478	* 2.1252	*
	* 1.4096	* 1.6088	* 1.4273	* 1.6678	* 1.5795	* 1.2970	* 2.1313	*
	* 1.3656	* 1.6041	* 1.3995	* 1.6556	* 1.5990	* 1.3032	* 2.1240	*
	* 1.2939	* 1.5263	* 1.3245	* 1.5591	* 1.5538	* 1.2768	* 2.0410	*
	* 1.2996	* 1.4946	* 1.3078	* 1.5170	* 1.5270	* 1.2932	* 2.0010	*
	* 1.3509	* 1.4974	* 1.3477	* 1.5155	* 1.5186	* 1.3295	* 1.9625	*

13	* 1.6421	* 1.4941	* 1.4957	* 1.3991	* 1.2490	* 2.0226	* 3.8635	*
	* 1.7069	* 1.5404	* 1.5175	* 1.3846	* 1.2990	* 2.0898	* 3.9308	*
	* 1.6939	* 1.5489	* 1.5212	* 1.3436	* 1.3047	* 2.1083	* 3.8901	*
	* 1.6122	* 1.4917	* 1.4632	* 1.2680	* 1.2773	* 2.0464	* 3.6168	*
	* 1.5848	* 1.4755	* 1.4494	* 1.2768	* 1.2934	* 1.9817	* 3.3597	*
	* 1.5765	* 1.4758	* 1.4502	* 1.3268	* 1.3296	* 1.9022	* 3.0770	*

14	* 1.3855	* 1.3509	* 1.3097	* 1.2480	* 2.1327	* 3.8707	*	*
	* 1.4216	* 1.3915	* 1.3585	* 1.3047	* 2.1378	* 3.9371	*	*
	* 1.3655	* 1.3430	* 1.3378	* 1.3141	* 2.1292	* 3.8959	*	*
	* 1.2622	* 1.2520	* 1.2550	* 1.3219	* 2.0441	* 3.6205	*	*
	* 1.2608	* 1.2546	* 1.2592	* 1.3486	* 2.0029	* 3.3625	*	*
	* 1.2954	* 1.2910	* 1.2950	* 1.3961	* 1.9641	* 3.0789	*	*

15	* 2.9210	* 2.8586	* 2.9580	* 3.1262	* 4 EFPD	118 % POWER		
	* 2.7714	* 2.7199	* 2.8290	* 3.1103	* 75 EFPD	118 % POWER		
	* 2.6437	* 2.5933	* 2.7139	* 3.0359	* 125 EFPD	118 % POWER		
	* 2.3631	* 2.3152	* 2.4402	* 2.8072	* 250 EFPD	118 % POWER		
	* 2.2371	* 2.1922	* 2.3068	* 2.6851	* 350 EFPD	118 % POWER		
	* 2.1411	* 2.1017	* 2.1954	* 2.5621	* 465 EFPD	118 % POWER		

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TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.6337	* 1.4520	* 1.5249	* 1.5855	* 1.3882	* 1.6679	* 1.4146	* 2.9069
	* 1.9479	* 1.7159	* 1.7888	* 1.7333	* 1.4928	* 1.7924	* 1.5085	* 2.8800
	* 2.0088	* 1.7698	* 1.8224	* 1.7311	* 1.4567	* 1.7809	* 1.4628	* 2.7722
	* 1.9010	* 1.6689	* 1.7228	* 1.6176	* 1.3558	* 1.6675	* 1.3262	* 2.4582
	* 1.7864	* 1.5731	* 1.6368	* 1.5494	* 1.3261	* 1.6025	* 1.2890	* 2.2789
	* 1.7037	* 1.5097	* 1.5784	* 1.5135	* 1.3426	* 1.5545	* 1.2901	* 2.1276

9	* 1.4520	* 1.3459	* 1.5494	* 1.3862	* 1.5449	* 1.5227	* 1.3808	* 2.8438
	* 1.7159	* 1.5512	* 1.7674	* 1.5366	* 1.6853	* 1.6187	* 1.4766	* 2.8248
	* 1.7698	* 1.5623	* 1.7965	* 1.5327	* 1.6878	* 1.6308	* 1.4414	* 2.7232
	* 1.6689	* 1.4393	* 1.6904	* 1.4009	* 1.5761	* 1.5419	* 1.3146	* 2.4121
	* 1.5731	* 1.3593	* 1.6091	* 1.3415	* 1.5082	* 1.4884	* 1.2814	* 2.2342
	* 1.5097	* 1.3375	* 1.5619	* 1.3409	* 1.4757	* 1.4527	* 1.2853	* 2.0972

10	* 1.5247	* 1.5502	* 1.4064	* 1.4032	* 1.3844	* 1.5231	* 1.3480	* 2.9494
	* 1.7886	* 1.7682	* 1.6075	* 1.5667	* 1.5131	* 1.5951	* 1.4503	* 2.9372
	* 1.8222	* 1.7972	* 1.6436	* 1.5837	* 1.4912	* 1.6062	* 1.4385	* 2.8399
	* 1.7226	* 1.6908	* 1.5607	* 1.5039	* 1.3893	* 1.5134	* 1.3174	* 2.5301
	* 1.6367	* 1.6094	* 1.4972	* 1.4408	* 1.3393	* 1.4620	* 1.2851	* 2.3424
	* 1.5782	* 1.5621	* 1.4659	* 1.4138	* 1.3390	* 1.4270	* 1.2880	* 2.1776

11	* 1.5855	* 1.3868	* 1.4043	* 1.3772	* 1.6309	* 1.4167	* 1.2945	* 3.0362
	* 1.7332	* 1.5374	* 1.5681	* 1.5427	* 1.7465	* 1.4734	* 1.3975	* 3.1138
	* 1.7310	* 1.5334	* 1.5851	* 1.5421	* 1.7352	* 1.4361	* 1.4156	* 3.0773
	* 1.6176	* 1.4012	* 1.5048	* 1.3820	* 1.6040	* 1.3322	* 1.3822	* 2.8250
	* 1.5494	* 1.3417	* 1.4415	* 1.3171	* 1.5287	* 1.3042	* 1.3773	* 2.6226
	* 1.5134	* 1.3409	* 1.4144	* 1.3140	* 1.4884	* 1.3167	* 1.3817	* 2.4183

12	* 1.3882	* 1.5462	* 1.3853	* 1.6327	* 1.5436	* 1.2887	* 2.1834	*
	* 1.4928	* 1.6865	* 1.5144	* 1.7481	* 1.6638	* 1.3875	* 2.2607	*
	* 1.4567	* 1.6885	* 1.4922	* 1.7365	* 1.6840	* 1.3986	* 2.2551	*
	* 1.3558	* 1.5765	* 1.3896	* 1.6047	* 1.6031	* 1.3365	* 2.1261	*
	* 1.3261	* 1.5084	* 1.3394	* 1.5292	* 1.5375	* 1.3185	* 2.0347	*
	* 1.3426	* 1.4758	* 1.3390	* 1.4887	* 1.4910	* 1.3180	* 1.9476	*

13	* 1.6679	* 1.5239	* 1.5263	* 1.4192	* 1.2910	* 2.0806	* 4.0153	*
	* 1.7924	* 1.6197	* 1.5990	* 1.4760	* 1.3897	* 2.2056	* 4.1804	*
	* 1.7809	* 1.6314	* 1.6093	* 1.4380	* 1.4003	* 2.2214	* 4.1419	*
	* 1.6675	* 1.5418	* 1.5149	* 1.3329	* 1.3372	* 2.1115	* 3.7634	*
	* 1.6025	* 1.4881	* 1.4629	* 1.3043	* 1.3188	* 1.9951	* 3.4135	*
	* 1.5545	* 1.4524	* 1.4277	* 1.3168	* 1.3182	* 1.8689	* 3.0512	*

14	* 1.4146	* 1.3823	* 1.3536	* 1.3007	* 2.1916	* 4.0233	*	*
	* 1.5084	* 1.4775	* 1.4553	* 1.4028	* 2.2681	* 4.1878	*	*
	* 1.4628	* 1.4422	* 1.4408	* 1.4200	* 2.2611	* 4.1486	*	*
	* 1.3262	* 1.3146	* 1.3182	* 1.3845	* 2.1299	* 3.7677	*	*
	* 1.2890	* 1.2812	* 1.2854	* 1.3788	* 2.0371	* 3.4168	*	*
	* 1.2901	* 1.2850	* 1.2882	* 1.3828	* 1.9496	* 3.0534	*	*

15	* 2.9031	* 2.8374	* 2.9626	* 3.2279	* 4 EFPD	118 % POWER		
	* 2.8760	* 2.8182	* 2.9432	* 3.2956	* 75 EFPD	118 % POWER		
	* 2.7683	* 2.7153	* 2.8444	* 3.2205	* 125 EFPD	118 % POWER		
	* 2.4550	* 2.4033	* 2.5323	* 2.9259	* 250 EFPD	118 % POWER		
	* 2.2775	* 2.2263	* 2.3440	* 2.7338	* 350 EFPD	118 % POWER		
	* 2.1249	* 2.0900	* 2.1783	* 2.5438	* 465 EFPD	118 % POWER		

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.9163	* 1.6717	* 1.8116	* 1.8085	* 1.3882	* 1.8964	* 1.4598	* 3.1876
	* 2.3287	* 2.0233	* 2.1664	* 2.0593	* 1.6030	* 2.1262	* 1.6335	* 3.3094
	* 2.4037	* 2.0972	* 2.2141	* 2.0785	* 1.6358	* 2.1379	* 1.6398	* 3.2432
	* 2.2113	* 1.9352	* 2.0355	* 1.9114	* 1.5807	* 1.9653	* 1.5618	* 2.8845
	* 2.0095	* 1.7666	* 1.8657	* 1.7717	* 1.5258	* 1.8296	* 1.5000	* 2.6200
	* 1.8406	* 1.6288	* 1.7204	* 1.6603	* 1.4910	* 1.7038	* 1.4453	* 2.3610

9	* 1.6717	* 1.3563	* 1.8112	* 1.4271	* 1.7913	* 1.7589	* 1.4363	* 3.0878
	* 2.0233	* 1.6535	* 2.1225	* 1.6624	* 2.0225	* 1.9405	* 1.6104	* 3.2189
	* 2.0972	* 1.7133	* 2.1671	* 1.6930	* 2.0429	* 1.9574	* 1.6249	* 3.1450
	* 1.9352	* 1.6369	* 1.9934	* 1.6083	* 1.8732	* 1.8169	* 1.5505	* 2.7960
	* 1.7666	* 1.5396	* 1.8358	* 1.5305	* 1.7338	* 1.6949	* 1.4923	* 2.5416
	* 1.6288	* 1.4715	* 1.7094	* 1.4807	* 1.6259	* 1.5812	* 1.4392	* 2.3017

10	* 1.8114	* 1.8122	* 1.6307	* 1.5911	* 1.5016	* 1.7441	* 1.4388	* 3.2351
	* 2.1662	* 2.1235	* 1.9084	* 1.8320	* 1.7043	* 1.9072	* 1.6119	* 3.3800
	* 2.2138	* 2.1680	* 1.9574	* 1.8707	* 1.7158	* 1.9275	* 1.6301	* 3.3297
	* 2.0351	* 1.9940	* 1.8135	* 1.7460	* 1.6089	* 1.7881	* 1.5564	* 2.9621
	* 1.8653	* 1.8362	* 1.6790	* 1.6207	* 1.5199	* 1.6680	* 1.4981	* 2.6882
	* 1.7201	* 1.7097	* 1.5739	* 1.5274	* 1.4711	* 1.5557	* 1.4424	* 2.4186

11	* 1.8084	* 1.4278	* 1.5923	* 1.4307	* 1.8150	* 1.4167	* 1.5377	* 3.5313
	* 2.0592	* 1.6632	* 1.8335	* 1.6527	* 2.0411	* 1.5962	* 1.7272	* 3.7368
	* 2.0784	* 1.6937	* 1.8721	* 1.6712	* 2.0477	* 1.6190	* 1.7517	* 3.7087
	* 1.9113	* 1.6086	* 1.7467	* 1.5752	* 1.8649	* 1.5664	* 1.6774	* 3.3269
	* 1.7716	* 1.5306	* 1.6212	* 1.4960	* 1.7228	* 1.5119	* 1.6089	* 2.9985
	* 1.6602	* 1.4807	* 1.5278	* 1.4544	* 1.6136	* 1.4684	* 1.5366	* 2.6621

12	* 1.3882	* 1.7924	* 1.5029	* 1.8166	* 1.7814	* 1.4316	* 2.4893	*
	* 1.6030	* 2.0235	* 1.7056	* 2.0429	* 1.9840	* 1.6280	* 2.6972	*
	* 1.6358	* 2.0438	* 1.7169	* 2.0491	* 2.0119	* 1.6568	* 2.7081	*
	* 1.5807	* 1.8737	* 1.6093	* 1.8657	* 1.8716	* 1.6020	* 2.5236	*
	* 1.5258	* 1.7341	* 1.5200	* 1.7233	* 1.7314	* 1.5366	* 2.3515	*
	* 1.4910	* 1.6260	* 1.4711	* 1.6140	* 1.6090	* 1.4699	* 2.1724	*

13	* 1.8964	* 1.7605	* 1.7491	* 1.4192	* 1.4341	* 2.4023	* 4.7378	*
	* 2.1262	* 1.9417	* 1.9119	* 1.5990	* 1.6304	* 2.6200	* 5.0539	*
	* 2.1379	* 1.9583	* 1.9313	* 1.6211	* 1.6588	* 2.6429	* 5.0274	*
	* 1.9653	* 1.8170	* 1.7900	* 1.5673	* 1.6030	* 2.4622	* 4.4623	*
	* 1.8296	* 1.6947	* 1.6692	* 1.5123	* 1.5372	* 2.2616	* 3.9252	*
	* 1.7038	* 1.5810	* 1.5567	* 1.4686	* 1.4703	* 2.0445	* 3.3777	*

14	* 1.4598	* 1.4380	* 1.4426	* 1.5450	* 2.4991	* 4.7477	*	*
	* 1.6335	* 1.6118	* 1.6156	* 1.7343	* 2.7063	* 5.0630	*	*
	* 1.6398	* 1.6259	* 1.6329	* 1.7576	* 2.7161	* 5.0357	*	*
	* 1.5618	* 1.5507	* 1.5576	* 1.6810	* 2.5288	* 4.4676	*	*
	* 1.5000	* 1.4922	* 1.4988	* 1.6115	* 2.3551	* 3.9291	*	*
	* 1.4453	* 1.4391	* 1.4428	* 1.5385	* 2.1754	* 3.3803	*	*

15	* 3.1841	* 3.0824	* 3.2507	* 3.7229	*	4 EFPD	118 %	POWER
	* 3.3095	* 3.2127	* 3.3953	* 3.9216	*	75 EFPD	118 %	POWER
	* 3.2432	* 3.1386	* 3.3398	* 3.8706	*	125 EFPD	118 %	POWER
	* 2.8815	* 2.7896	* 2.9654	* 3.4548	*	250 EFPD	118 %	POWER
	* 2.6172	* 2.5357	* 2.6908	* 3.1385	*	350 EFPD	118 %	POWER
	* 2.3585	* 2.2963	* 2.4201	* 2.8166	*	465 EFPD	118 %	POWER

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-2 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION

THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 4.0635	* 3.7843	* 4.1353	* 3.9138	* 3.1404	* 4.0908	* 3.5491	* 6.5337
	* 4.9551	* 4.6096	* 4.9593	* 4.5417	* 3.6659	* 4.5718	* 4.0141	* 6.9823
	* 5.0830	* 4.7498	* 5.0229	* 4.5853	* 3.7210	* 4.5765	* 4.0013	* 6.8601
	* 4.4237	* 4.1515	* 4.3690	* 4.0090	* 3.3968	* 4.0296	* 3.5799	* 5.8554
	* 3.7869	* 3.5651	* 3.7612	* 3.4998	* 3.0639	* 3.5514	* 3.2105	* 5.0382
	* 3.2181	* 3.0413	* 3.2134	* 3.0334	* 2.7601	* 3.0747	* 2.8456	* 4.2278

9	* 3.7843	* 3.1256	* 3.9718	* 3.1118	* 3.8976	* 4.0342	* 3.5165	* 6.6708
	* 4.6096	* 3.8444	* 4.7072	* 3.6760	* 4.4967	* 4.4849	* 3.9808	* 7.1039
	* 4.7498	* 3.9656	* 4.7920	* 3.7275	* 4.5367	* 4.5015	* 3.9736	* 6.9632
	* 4.1515	* 3.5932	* 4.1753	* 3.3693	* 3.9484	* 3.9455	* 3.5638	* 5.9168
	* 3.5651	* 3.1870	* 3.6160	* 3.0226	* 3.4424	* 3.4505	* 3.1988	* 5.0713
	* 3.0413	* 2.8259	* 3.1150	* 2.7214	* 2.9857	* 2.9733	* 2.8354	* 4.2636

10	* 4.1353	* 3.9726	* 3.6862	* 3.5099	* 3.1569	* 3.9306	* 3.5364	* 6.9697
	* 4.9599	* 4.7091	* 4.2933	* 4.0613	* 3.6505	* 4.4136	* 4.0001	* 7.4343
	* 5.0236	* 4.7936	* 4.3750	* 4.1268	* 3.6776	* 4.4372	* 3.9950	* 7.3122
	* 4.3688	* 4.1762	* 3.8429	* 3.6472	* 3.3090	* 3.8851	* 3.5856	* 6.2408
	* 3.7608	* 3.6165	* 3.3488	* 3.1843	* 2.9699	* 3.3992	* 3.2174	* 5.3466
	* 3.2133	* 3.1154	* 2.9131	* 2.7760	* 2.6764	* 2.9364	* 2.8445	* 4.4586

11	* 3.9139	* 3.1133	* 3.5120	* 3.0501	* 3.8341	* 3.2541	* 3.6975	* 7.8549
	* 4.5419	* 3.6777	* 4.0634	* 3.5877	* 4.3868	* 3.7041	* 4.1831	* 8.4042
	* 4.5853	* 3.7289	* 4.1290	* 3.6312	* 4.4192	* 3.7272	* 4.1776	* 8.2942
	* 4.0090	* 3.3698	* 3.6482	* 3.2823	* 3.8406	* 3.3885	* 3.7307	* 7.0872
	* 3.4998	* 3.0228	* 3.1849	* 2.9498	* 3.3473	* 3.0519	* 3.3281	* 6.0132
	* 3.0334	* 2.7214	* 2.7764	* 2.6660	* 2.9063	* 2.7328	* 2.9205	* 4.9358

12	* 3.1404	* 3.9006	* 3.1593	* 3.8374	* 4.0523	* 3.5474	* 5.4838	*
	* 3.6659	* 4.4995	* 3.6531	* 4.3900	* 4.5344	* 4.0599	* 5.9843	*
	* 3.7210	* 4.5389	* 3.6797	* 4.4218	* 4.5721	* 4.0780	* 5.9744	*
	* 3.3968	* 3.9493	* 3.3098	* 3.8418	* 4.0105	* 3.6705	* 5.2523	*
	* 3.0639	* 3.4428	* 2.9702	* 3.3481	* 3.4855	* 3.2823	* 4.5912	*
	* 2.7601	* 2.9859	* 2.6765	* 2.9068	* 2.9964	* 2.8814	* 3.9226	*

13	* 4.0908	* 4.0384	* 3.9374	* 3.2601	* 3.5535	* 5.3733	*10.1159	*
	* 4.5718	* 4.4883	* 4.4211	* 3.7104	* 4.0658	* 5.9105	*10.9239	*
	* 4.5765	* 4.5041	* 4.4434	* 3.7324	* 4.0831	* 5.9237	*10.7984	*
	* 4.0296	* 3.9463	* 3.8875	* 3.3908	* 3.6730	* 5.2011	* 9.1140	*
	* 3.5514	* 3.4506	* 3.4006	* 3.0530	* 3.2838	* 4.4791	* 7.5636	*
	* 3.0747	* 2.9733	* 2.9384	* 2.7335	* 2.8824	* 3.7375	* 6.0400	*

14	* 3.5491	* 3.5210	* 3.5463	* 3.7153	* 5.5051	*10.1402	*	*
	* 4.0141	* 3.9848	* 4.0095	* 4.2009	* 6.0052	*10.9479	*	*
	* 4.0013	* 3.9766	* 4.0026	* 4.1933	* 5.9930	*10.8197	*	*
	* 3.5799	* 3.5628	* 3.5892	* 3.7404	* 5.2643	* 9.1281	*	*
	* 3.2105	* 3.1978	* 3.2198	* 3.3350	* 4.5994	* 7.5736	*	*
	* 2.8456	* 2.8346	* 2.8461	* 2.9256	* 3.9289	* 6.0466	*	*

15	* 6.5298	* 6.6515	* 6.9881	* 8.2598	* 4 EFPD	118 % POWER		
	* 6.9777	* 7.0833	* 7.4511	* 8.8070	* 75 EFPD	118 % POWER		
	* 6.8559	* 6.9433	* 7.3259	* 8.6470	* 125 EFPD	118 % POWER		
	* 5.8550	* 5.9002	* 6.2489	* 7.3222	* 250 EFPD	118 % POWER		
	* 5.0381	* 5.0577	* 5.3527	* 6.2678	* 350 EFPD	118 % POWER		
	* 4.2263	* 4.2526	* 4.4621	* 5.2033	* 465 EFPD	118 % POWER		

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TABLE A-3

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 100% POWER, 4 EFPD

	H	G	F	E	D	C	B	A

8	* 1.2735	* 1.4092	* 1.3596	* 1.2934	* 1.3143	* 1.2039	* 1.2722	* .6484
	* 1.3866	* 1.2691	* 1.3220	* 1.3589	* 1.3732	* 1.4272	* 1.3901	* 2.4985

9	* 1.4092	* 1.4410	* 1.3265	* 1.3623	* 1.3025	* 1.2771	* 1.2999	* .6520
	* 1.2691	* 1.2515	* 1.3400	* 1.3282	* 1.3459	* 1.3734	* 1.3690	* 2.5347

10	* 1.3597	* 1.3262	* 1.4166	* 1.3998	* 1.3527	* 1.2772	* 1.3296	* .6369
	* 1.3219	* 1.3403	* 1.2552	* 1.2865	* 1.3497	* 1.4077	* 1.3610	* 2.6287

11	* 1.2934	* 1.3618	* 1.3991	* 1.3598	* 1.2336	* 1.2699	* 1.3702	* .6294
	* 1.3589	* 1.3286	* 1.2870	* 1.3273	* 1.4423	* 1.4394	* 1.3242	* 2.7020

12	* 1.3143	* 1.3017	* 1.3519	* 1.2327	* 1.2734	* 1.3961	* .8723	*
	* 1.3732	* 1.3466	* 1.3505	* 1.4434	* 1.3688	* 1.2804	* 1.9741	*

13	* 1.2039	* 1.2761	* 1.2757	* 1.2677	* 1.3940	* .9437	* .4902	*
	* 1.4272	* 1.3744	* 1.4099	* 1.4418	* 1.2823	* 1.8126	* 3.4133	*

14	* 1.2722	* 1.2985	* 1.3247	* 1.3644	* .8693	* .4892	*	*
	* 1.3901	* 1.3699	* 1.3660	* 1.3298	* 1.9810	* 3.4197	*	*

15	* .6493	* .6534	* .6341	* .5919	F-DEL-H			
	* 2.4952	* 2.5299	* 2.6371	* 2.9220	M-DEL-H			

AT 100% POWER, 75 EFPD

	H	G	F	E	D	C	B	A

8	* 1.1240	* 1.2597	* 1.2211	* 1.2410	* 1.3850	* 1.1846	* 1.3148	* .6911
	* 1.5512	* 1.4027	* 1.4796	* 1.4452	* 1.2968	* 1.4981	* 1.3468	* 2.4588

9	* 1.2597	* 1.3509	* 1.2260	* 1.3435	* 1.2684	* 1.2684	* 1.3377	* .6923
	* 1.4027	* 1.3624	* 1.4736	* 1.3520	* 1.4166	* 1.4031	* 1.3333	* 2.4517

10	* 1.2213	* 1.2256	* 1.3154	* 1.3332	* 1.3578	* 1.2821	* 1.3564	* .6712
	* 1.4793	* 1.4740	* 1.3762	* 1.3657	* 1.3512	* 1.4160	* 1.3462	* 2.5499

11	* 1.2410	* 1.3430	* 1.3323	* 1.3313	* 1.2202	* 1.3714	* 1.3896	* .6398
	* 1.4452	* 1.3524	* 1.3665	* 1.3800	* 1.4753	* 1.3367	* 1.3119	* 2.7458

12	* 1.3850	* 1.2678	* 1.3568	* 1.2193	* 1.2444	* 1.4165	* .8738	*
	* 1.2968	* 1.4170	* 1.3521	* 1.4763	* 1.4225	* 1.2795	* 2.0143	*

13	* 1.1846	* 1.2677	* 1.2794	* 1.3694	* 1.4146	* .9221	* .4883	*
	* 1.4981	* 1.4039	* 1.4180	* 1.3386	* 1.2811	* 1.8953	* 3.4383	*

14	* 1.3148	* 1.3370	* 1.3524	* 1.3850	* .8713	* .4875	*	*
	* 1.3469	* 1.3341	* 1.3502	* 1.3162	* 2.0201	* 3.4442	*	*

15	* .6920	* .6947	* .6699	* .6031	F-DEL-H			
	* 2.4554	* 2.4437	* 2.5550	* 2.9137	M-DEL-H			

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TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 100% POWER, 125 EFPD

	H	G	F	E	D	C	B	A
8	* 1.0735	* 1.2110	* 1.1769	* 1.2268	* 1.4091	* 1.1728	* 1.3646	* .7160
	* 1.6173	* 1.4538	* 1.5110	* 1.4374	* 1.2750	* 1.5140	* 1.2991	* 2.3809
9	* 1.2110	* 1.3427	* 1.1920	* 1.3523	* 1.2546	* 1.2595	* 1.3821	* .7153
	* 1.4538	* 1.3481	* 1.4923	* 1.3370	* 1.4303	* 1.4138	* 1.2914	* 2.3803
10	* 1.1770	* 1.1916	* 1.2792	* 1.3113	* 1.3739	* 1.2761	* 1.3826	* .6898
	* 1.5108	* 1.4925	* 1.3926	* 1.3853	* 1.3344	* 1.4240	* 1.3161	* 2.4855
11	* 1.2268	* 1.3518	* 1.3104	* 1.3425	* 1.2161	* 1.4047	* 1.3754	* .6423
	* 1.4374	* 1.3373	* 1.3861	* 1.3674	* 1.4776	* 1.3047	* 1.3205	* 2.7024
12	* 1.4091	* 1.2541	* 1.3731	* 1.2153	* 1.2271	* 1.4067	* .8645	*
	* 1.2750	* 1.4306	* 1.3351	* 1.4785	* 1.4394	* 1.2868	* 2.0332	*
13	* 1.1728	* 1.2590	* 1.2740	* 1.4030	* 1.4052	* .9051	* .4868	*
	* 1.5140	* 1.4144	* 1.4264	* 1.3062	* 1.2880	* 1.8921	* 3.4416	*
14	* 1.3645	* 1.3814	* 1.3806	* 1.3716	* .8624	* .4860	*	*
	* 1.2991	* 1.2922	* 1.3180	* 1.3241	* 2.0381	* 3.4467	*	*
15	* .7164	* .7177	* .6888	* .6066	F-DEL-H			
	* 2.3798	* 2.3727	* 2.4895	* 2.8950	M-DEL-H			

AT 100% POWER, 250 EFPD

	H	G	F	E	D	C	B	A
8	* 1.0316	* 1.1677	* 1.1359	* 1.2016	* 1.4306	* 1.1462	* 1.4126	* .7536
	* 1.6847	* 1.5083	* 1.5450	* 1.4437	* 1.2409	* 1.4880	* 1.2591	* 2.2257
9	* 1.1677	* 1.3645	* 1.1581	* 1.3965	* 1.2323	* 1.2309	* 1.4199	* .7512
	* 1.5083	* 1.3085	* 1.5137	* 1.2829	* 1.4148	* 1.3962	* 1.2566	* 2.2296
10	* 1.1359	* 1.1579	* 1.2388	* 1.2865	* 1.3998	* 1.2466	* 1.4132	* .7213
	* 1.5449	* 1.5139	* 1.4215	* 1.3830	* 1.2811	* 1.4212	* 1.2740	* 2.3350
11	* 1.2016	* 1.3964	* 1.2858	* 1.4130	* 1.2101	* 1.4287	* 1.3234	* .6506
	* 1.4436	* 1.2830	* 1.3836	* 1.2685	* 1.4544	* 1.2442	* 1.3345	* 2.6146
12	* 1.4306	* 1.2320	* 1.3995	* 1.2096	* 1.1937	* 1.3869	* .8468	*
	* 1.2409	* 1.4150	* 1.2814	* 1.4549	* 1.4452	* 1.2578	* 2.0243	*
13	* 1.1462	* 1.2309	* 1.2454	* 1.4279	* 1.3863	* .8839	* .4960	*
	* 1.4880	* 1.3960	* 1.4227	* 1.2450	* 1.2583	* 1.9228	* 3.3031	*
14	* 1.4126	* 1.4198	* 1.4122	* 1.3212	* .8454	* .4955	*	*
	* 1.2592	* 1.2563	* 1.2751	* 1.3370	* 2.0278	* 3.3067	*	*
15	* .7547	* .7537	* .7208	* .6163	F-DEL-H			
	* 2.2224	* 2.2229	* 2.3376	* 2.7646	M-DEL-H			

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TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 100% POWER, 350 EFPD

	H	G	F	E	D	C	B	A

8	* 1.0282	* 1.1604	* 1.1227	* 1.1813	* 1.4078	* 1.1322	* 1.4077	* .7792
	* 1.6630	* 1.4950	* 1.5558	* 1.4696	* 1.2377	* 1.5043	* 1.2227	* 2.1516

9	* 1.1604	* 1.3753	* 1.1440	* 1.3964	* 1.2132	* 1.2107	* 1.4119	* .7756
	* 1.4951	* 1.3010	* 1.5267	* 1.2621	* 1.4360	* 1.4156	* 1.2226	* 2.1593

10	* 1.1229	* 1.1438	* 1.2192	* 1.2667	* 1.4001	* 1.2250	* 1.4039	* .7442
	* 1.5556	* 1.5268	* 1.4313	* 1.4044	* 1.2776	* 1.4346	* 1.2429	* 2.2621

11	* 1.1814	* 1.3963	* 1.2661	* 1.4233	* 1.1989	* 1.4093	* 1.2971	* .6675
	* 1.4695	* 1.2621	* 1.4050	* 1.2539	* 1.4662	* 1.2555	* 1.3579	* 2.4972

12	* 1.4078	* 1.2130	* 1.4000	* 1.1986	* 1.1774	* 1.3634	* .8487	*
	* 1.2377	* 1.4362	* 1.2777	* 1.4666	* 1.4645	* 1.2755	* 1.9755	*

13	* 1.1322	* 1.2109	* 1.2242	* 1.4090	* 1.3630	* .8890	* .5189	*
	* 1.5043	* 1.4152	* 1.4358	* 1.2559	* 1.2759	* 1.8682	* 3.1574	*

14	* 1.4077	* 1.4125	* 1.4033	* 1.2954	* .8476	* .5184	*	*
	* 1.2227	* 1.2223	* 1.2436	* 1.3599	* 1.9785	* 3.1602	*	*

15	* .7796	* .7781	* .7439	* .6330	F-DEL-H			
	* 2.1506	* 2.1530	* 2.2640	* 2.6747	M-DEL-H			

AT 100% POWER, 465 EFPD

	H	G	F	E	D	C	B	A

8	* 1.0288	* 1.1536	* 1.1112	* 1.1577	* 1.3700	* 1.1201	* 1.3904	* .8066
	* 1.6638	* 1.5056	* 1.5594	* 1.4715	* 1.2500	* 1.4934	* 1.2402	* 2.0401

9	* 1.1536	* 1.3667	* 1.1271	* 1.3735	* 1.1872	* 1.1927	* 1.3930	* .8022
	* 1.5056	* 1.2885	* 1.5335	* 1.2629	* 1.4397	* 1.4105	* 1.2415	* 2.0485

10	* 1.1113	* 1.1270	* 1.1934	* 1.2365	* 1.3749	* 1.2056	* 1.3851	* .7726
	* 1.5593	* 1.5335	* 1.4499	* 1.4104	* 1.2786	* 1.4331	* 1.2603	* 2.1380

11	* 1.1577	* 1.3735	* 1.2360	* 1.3975	* 1.1774	* 1.3780	* 1.2758	* .6958
	* 1.4715	* 1.2628	* 1.4108	* 1.2538	* 1.4614	* 1.2625	* 1.3605	* 2.3961

12	* 1.3700	* 1.1871	* 1.3749	* 1.1772	* 1.1616	* 1.3442	* .8647	*
	* 1.2500	* 1.4398	* 1.2786	* 1.4617	* 1.4498	* 1.2721	* 1.9413	*

13	* 1.1201	* 1.1929	* 1.2051	* 1.3778	* 1.3440	* .9090	* .5572	*
	* 1.4934	* 1.4102	* 1.4341	* 1.2627	* 1.2723	* 1.8300	* 2.9494	*

14	* 1.3904	* 1.3935	* 1.3846	* 1.2744	* .8638	* .5567	*	*
	* 1.2402	* 1.2412	* 1.2609	* 1.3625	* 1.9439	* 2.9517	*	*

15	* .8076	* .8047	* .7723	* .6608	F-DEL-H			
	* 2.0375	* 2.0431	* 2.1403	* 2.5301	M-DEL-H			

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TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 75% POWER, 4 EFPD

	H	G	F	E	D	C	B	A
8	* 1.1831	* 1.3964	* 1.3782	* 1.3168	* 1.3372	* 1.2256	* 1.2951	* .6507 *
	* 1.7096	* 1.5632	* 1.5895	* 1.6125	* 1.5834	* 1.6853	* 1.6124	* 2.8250 *
9	* 1.3964	* 1.4406	* 1.3467	* 1.3836	* 1.3235	* 1.2987	* 1.3199	* .6537 *
	* 1.5632	* 1.5480	* 1.5964	* 1.5733	* 1.5975	* 1.6049	* 1.6019	* 2.9847 *
10	* 1.3783	* 1.3462	* 1.4424	* 1.4201	* 1.3715	* 1.2922	* 1.3340	* .6347 *
	* 1.5894	* 1.5967	* 1.5029	* 1.5407	* 1.5924	* 1.6464	* 1.6230	* 3.1197 *
11	* 1.3168	* 1.3831	* 1.4194	* 1.3743	* 1.2316	* 1.2629	* 1.3710	* .6232 *
	* 1.6125	* 1.5736	* 1.5412	* 1.6326	* 1.8015	* 1.7580	* 1.6096	* 3.2674 *
12	* 1.3372	* 1.3226	* 1.3706	* 1.2306	* 1.1736	* 1.3592	* .8517 *	
	* 1.5834	* 1.5981	* 1.5934	* 1.8030	* 1.7032	* 1.5748	* 2.4910 *	
13	* 1.2256	* 1.2976	* 1.2906	* 1.2584	* 1.3569	* .8956	* .4669 *	
	* 1.6853	* 1.6064	* 1.6495	* 1.7612	* 1.5773	* 2.2735	* 4.2239 *	
14	* 1.2951	* 1.3184	* 1.3287	* 1.3648	* .8486	* .4660 *		
	* 1.6124	* 1.6033	* 1.6263	* 1.6178	* 2.5004	* 4.2324 *		
15	* .6516	* .6551	* .6324	* .5860	F-DEL-H			
	* 2.8213	* 2.9769	* 3.1308	* 3.4889	M-DEL-H			

AT 75% POWER, 75 EFPD

	H	G	F	E	D	C	B	A
8	* 1.0490	* 1.2359	* 1.2302	* 1.2608	* 1.4114	* 1.2073	* 1.3442	* .6978 *
	* 1.9338	* 1.7457	* 1.7327	* 1.6635	* 1.5109	* 1.7236	* 1.5789	* 2.7560 *
9	* 1.2359	* 1.3545	* 1.2394	* 1.3608	* 1.2887	* 1.2934	* 1.3653	* .6987 *
	* 1.7457	* 1.6449	* 1.7218	* 1.5882	* 1.6342	* 1.6241	* 1.5681	* 2.9177 *
10	* 1.2304	* 1.2390	* 1.3313	* 1.3457	* 1.3703	* 1.2949	* 1.3668	* .6744 *
	* 1.7325	* 1.7221	* 1.6204	* 1.6248	* 1.6119	* 1.6697	* 1.6136	* 3.0444 *
11	* 1.2609	* 1.3603	* 1.3447	* 1.3418	* 1.2123	* 1.3663	* 1.3953	* .6366 *
	* 1.6634	* 1.5885	* 1.6257	* 1.6698	* 1.8158	* 1.6565	* 1.6263	* 3.2830 *
12	* 1.4114	* 1.2882	* 1.3692	* 1.2113	* 1.1656	* 1.3829	* .8565 *	
	* 1.5109	* 1.6347	* 1.6128	* 1.8171	* 1.7442	* 1.5820	* 2.4907 *	
13	* 1.2073	* 1.2926	* 1.2920	* 1.3640	* 1.3808	* .8743	* .4657 *	
	* 1.7236	* 1.6244	* 1.6727	* 1.6592	* 1.5842	* 2.3316	* 4.3539 *	
14	* 1.3442	* 1.3645	* 1.3625	* 1.3903	* .8539	* .4649 *		
	* 1.5789	* 1.5691	* 1.6170	* 1.6327	* 2.4986	* 4.3619 *		
15	* .6987	* .7012	* .6731	* .5998	F-DEL-H			
	* 2.7523	* 2.9087	* 3.0524	* 3.4915	M-DEL-H			

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TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 75% POWER, 125 EFPD

	H	G	F	E	D	C	B	A
8	* 1.0038	* 1.1815	* 1.1871	* 1.2468	* 1.4388	* 1.1969	* 1.4010	* .7258 *
	* 2.0267	* 1.8171	* 1.7946	* 1.6851	* 1.4838	* 1.7424	* 1.5519	* 2.6678 *
9	* 1.1815	* 1.3458	* 1.2030	* 1.3745	* 1.2769	* 1.2864	* 1.4145	* .7247 *
	* 1.8171	* 1.6578	* 1.7737	* 1.5669	* 1.6515	* 1.6338	* 1.5352	* 2.8305 *
10	* 1.1872	* 1.2027	* 1.2926	* 1.3224	* 1.3879	* 1.2901	* 1.4089	* .6953 *
	* 1.7944	* 1.7740	* 1.6685	* 1.6526	* 1.5967	* 1.6682	* 1.5619	* 2.9641 *
11	* 1.2468	* 1.3741	* 1.3215	* 1.3477	* 1.2072	* 1.4037	* 1.3819	* .6401 *
	* 1.6851	* 1.5671	* 1.6535	* 1.6701	* 1.8157	* 1.6141	* 1.6180	* 3.2636 *
12	* 1.4388	* 1.2765	* 1.3870	* 1.2063	* 1.1559	* 1.3686	* .8469 *	
	* 1.4838	* 1.6519	* 1.5977	* 1.8168	* 1.7626	* 1.5589	* 2.5086 *	
13	* 1.1969	* 1.2859	* 1.2878	* 1.4018	* 1.3670	* .8540	* .4630 *	
	* 1.7424	* 1.6340	* 1.6707	* 1.6162	* 1.5605	* 2.3682	* 4.3591 *	
14	* 1.4009	* 1.4137	* 1.4068	* 1.3778	* .8447	* .4622 *		
	* 1.5519	* 1.5364	* 1.5647	* 1.6235	* 2.5154	* 4.3662 *		
15	* .7261	* .7272	* .6943	* .6043	F-DEL-H			
	* 2.6665	* 2.8218	* 2.9706	* 3.4653	M-DEL-H			

AT 75% POWER, 250 EFPD

	H	G	F	E	D	C	B	A
8	* .9636	* 1.1294	* 1.1464	* 1.2262	* 1.4690	* 1.1799	* 1.4628	* .7704 *
	* 2.0808	* 1.8959	* 1.8705	* 1.7223	* 1.4490	* 1.7683	* 1.4550	* 2.5302 *
9	* 1.1294	* 1.3691	* 1.1704	* 1.4258	* 1.2552	* 1.2644	* 1.4672	* .7676 *
	* 1.8959	* 1.6377	* 1.8346	* 1.5130	* 1.6851	* 1.6585	* 1.4512	* 2.6846 *
10	* 1.1465	* 1.1702	* 1.2513	* 1.2988	* 1.4183	* 1.2620	* 1.4486	* .7320 *
	* 1.8703	* 1.8348	* 1.7295	* 1.6816	* 1.5494	* 1.6903	* 1.4812	* 2.8166 *
11	* 1.2262	* 1.4256	* 1.2981	* 1.4216	* 1.2005	* 1.4260	* 1.3287	* .6503 *
	* 1.7223	* 1.5131	* 1.6824	* 1.5785	* 1.8093	* 1.5447	* 1.6460	* 3.1484 *
12	* 1.4690	* 1.2548	* 1.4179	* 1.2000	* 1.1299	* 1.3298	* .8252 *	
	* 1.4490	* 1.6854	* 1.5500	* 1.8100	* 1.7982	* 1.5636	* 2.5436 *	
13	* 1.1799	* 1.2647	* 1.2607	* 1.4251	* 1.3292	* .8183	* .4662 *	
	* 1.7683	* 1.6582	* 1.6918	* 1.5458	* 1.5644	* 2.3615	* 4.1901 *	
14	* 1.4628	* 1.4678	* 1.4475	* 1.3264	* .8238	* .4657 *		
	* 1.4550	* 1.4509	* 1.4830	* 1.6501	* 2.5484	* 4.1950 *		
15	* .7716	* .7703	* .7315	* .6154	F-DEL-H			
	* 2.5264	* 2.6764	* 2.8204	* 3.3773	M-DEL-H			

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TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 75% POWER, 350 EFPD

	H	G	F	E	D	C	B	A
8	* .9528	* 1.1186	* 1.1361	* 1.2107	* 1.4530	* 1.1727	* 1.4682	* .8027
	* 2.0885	* 1.8675	* 1.8555	* 1.7174	* 1.4457	* 1.7464	* 1.4532	* 2.3844
9	* 1.1186	* 1.3813	* 1.1595	* 1.4320	* 1.2404	* 1.2520	* 1.4698	* .7984
	* 1.8675	* 1.5966	* 1.8155	* 1.5122	* 1.6825	* 1.6420	* 1.4504	* 2.5337
10	* 1.1363	* 1.1594	* 1.2333	* 1.2807	* 1.4202	* 1.2421	* 1.4456	* .7596
	* 1.8552	* 1.8155	* 1.7164	* 1.6658	* 1.5427	* 1.6826	* 1.4812	* 2.6645
11	* 1.2108	* 1.4319	* 1.2800	* 1.4355	* 1.1879	* 1.4039	* 1.3020	* .6689
	* 1.7174	* 1.4856	* 1.6665	* 1.5566	* 1.7779	* 1.5568	* 1.6708	* 3.0261
12	* 1.4530	* 1.2402	* 1.4201	* 1.1876	* 1.1041	* 1.2910	* .8231	*
	* 1.4457	* 1.6826	* 1.5429	* 1.7784	* 1.7781	* 1.5874	* 2.4717	*
13	* 1.1727	* 1.2525	* 1.2414	* 1.4035	* 1.2905	* .8081	* .4827	*
	* 1.7464	* 1.6417	* 1.6837	* 1.5574	* 1.5879	* 2.3369	* 4.0231	*
14	* 1.4682	* 1.4705	* 1.4450	* 1.3002	* .8219	* .4822	*	*
	* 1.4532	* 1.4500	* 1.4824	* 1.6742	* 2.4758	* 4.0270	*	*
15	* .8031	* .8011	* .7593	* .6340	F-DEL-H			
	* 2.3833	* 2.5266	* 2.6677	* 3.2049	M-DEL-H			

AT 75% POWER, 465 EFPD

	H	G	F	E	D	C	B	A
8	* .9394	* 1.1061	* 1.1289	* 1.1939	* 1.4238	* 1.1709	* 1.4642	* .8398
	* 2.0898	* 1.8792	* 1.8785	* 1.7502	* 1.4776	* 1.7626	* 1.4389	* 2.3026
9	* 1.1061	* 1.3727	* 1.1472	* 1.4150	* 1.2204	* 1.2445	* 1.4633	* .8345
	* 1.8792	* 1.5996	* 1.8444	* 1.5026	* 1.7146	* 1.6621	* 1.4358	* 2.4501
10	* 1.1290	* 1.1471	* 1.2120	* 1.2522	* 1.3977	* 1.2292	* 1.4353	* .7955
	* 1.8784	* 1.8444	* 1.7517	* 1.7004	* 1.5352	* 1.6985	* 1.4711	* 2.5677
11	* 1.1939	* 1.4150	* 1.2516	* 1.4072	* 1.1619	* 1.3687	* 1.2814	* .7008
	* 1.7502	* 1.5025	* 1.7010	* 1.5410	* 1.8026	* 1.5525	* 1.6600	* 2.8998
12	* 1.4238	* 1.2203	* 1.3977	* 1.1616	* 1.0634	* 1.2501	* .8340	*
	* 1.4776	* 1.7147	* 1.5353	* 1.8029	* 1.7949	* 1.5725	* 2.4308	*
13	* 1.1709	* 1.2449	* 1.2289	* 1.3684	* 1.2497	* .8068	* .5119	*
	* 1.7626	* 1.6616	* 1.6993	* 1.5528	* 1.5728	* 2.2918	* 3.7719	*
14	* 1.4642	* 1.4639	* 1.4349	* 1.2799	* .8329	* .5115	*	*
	* 1.4388	* 1.4355	* 1.4724	* 1.6634	* 2.4342	* 3.7751	*	*
15	* .8409	* .8373	* .7952	* .6652	F-DEL-H			
	* 2.2997	* 2.4427	* 2.5696	* 3.0660	M-DEL-H			

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TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 50% POWER, 4 EFPD

	H	G	F	E	D	C	B	A

8	* 1.1574	* 1.3888	* 1.3962	* 1.3419	* 1.3636	* 1.2505	* 1.3224	* .6555
	* 1.6091	* 1.4745	* 1.5061	* 1.5340	* 1.5291	* 1.6144	* 1.5692	* 2.8087

9	* 1.3888	* 1.4593	* 1.3711	* 1.4065	* 1.3464	* 1.3236	* 1.3434	* .6576
	* 1.4745	* 1.4897	* 1.5116	* 1.5136	* 1.5292	* 1.5378	* 1.5605	* 2.9861

10	* 1.3963	* 1.3705	* 1.4689	* 1.4409	* 1.3918	* 1.3109	* 1.3380	* .6350
	* 1.5060	* 1.5118	* 1.4233	* 1.4694	* 1.5440	* 1.5947	* 1.6301	* 3.1273

11	* 1.3419	* 1.4060	* 1.4401	* 1.3893	* 1.2290	* 1.2610	* 1.3699	* .6177
	* 1.5340	* 1.5139	* 1.4699	* 1.5969	* 1.7243	* 1.7587	* 1.6188	* 3.3007

12	* 1.3636	* 1.3455	* 1.3908	* 1.2280	* 1.1257	* 1.3133	* .8293	*
	* 1.5291	* 1.5297	* 1.5450	* 1.7258	* 1.6229	* 1.5459	* 2.4053	*

13	* 1.2505	* 1.3224	* 1.3085	* 1.2562	* 1.3108	* .8419	* .4423	*
	* 1.6144	* 1.5385	* 1.5982	* 1.7611	* 1.5472	* 2.1752	* 4.1659	*

14	* 1.3224	* 1.3423	* 1.3335	* 1.3633	* .8261	* .4413	*	*
	* 1.5692	* 1.5620	* 1.6342	* 1.6273	* 2.4156	* 4.1752	*	*

15	* .6563	* .6592	* .6334	* .5805	F-DEL-H			
	* 2.8051	* 2.9766	* 3.1396	* 3.5269	M-DEL-H			

AT 50% POWER, 75 EFPD

	H	G	F	E	D	C	B	A

8	* 1.0126	* 1.2218	* 1.2449	* 1.2836	* 1.4417	* 1.2341	* 1.3802	* .7078
	* 1.8550	* 1.6761	* 1.6725	* 1.6380	* 1.4811	* 1.6940	* 1.5523	* 2.6953

9	* 1.2218	* 1.3632	* 1.2542	* 1.3799	* 1.3137	* 1.3224	* 1.3983	* .7085
	* 1.6761	* 1.6228	* 1.6903	* 1.5611	* 1.6087	* 1.5905	* 1.5431	* 2.8631

10	* 1.2451	* 1.2538	* 1.3479	* 1.3582	* 1.3847	* 1.3143	* 1.3871	* .6800
	* 1.6723	* 1.6906	* 1.5903	* 1.6002	* 1.5877	* 1.6397	* 1.5800	* 3.0086

11	* 1.2836	* 1.3793	* 1.3573	* 1.3521	* 1.2032	* 1.3577	* 1.3992	* .6343
	* 1.6380	* 1.5614	* 1.6009	* 1.6649	* 1.7823	* 1.6164	* 1.5881	* 3.3451

12	* 1.4417	* 1.3132	* 1.3834	* 1.2020	* 1.1147	* 1.3384	* .8370	*
	* 1.4811	* 1.6092	* 1.5886	* 1.7837	* 1.7016	* 1.5197	* 2.4668	*

13	* 1.2341	* 1.3215	* 1.3120	* 1.3552	* 1.3361	* .8199	* .4416	*
	* 1.6940	* 1.5910	* 1.6430	* 1.6194	* 1.5220	* 2.2505	* 4.2348	*

14	* 1.3802	* 1.3976	* 1.3840	* 1.3938	* .8342	* .4407	*	*
	* 1.5523	* 1.5443	* 1.5843	* 1.5949	* 2.4753	* 4.2434	*	*

15	* .7087	* .7111	* .6786	* .5975	F-DEL-H			
	* 2.6918	* 2.8548	* 3.0765	* 3.5580	M-DEL-H			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 50% POWER, 125 EFPD

	H	G	F	E	D	C	B	A

8	* .9523	* 1.1625	* 1.2024	* 1.2753	* 1.4803	* 1.2319	* 1.4524	* .7438
	* 1.9549	* 1.7537	* 1.7394	* 1.6556	* 1.4471	* 1.7053	* 1.4903	* 2.6520

9	* 1.1625	* 1.3510	* 1.2190	* 1.4050	* 1.3084	* 1.3251	* 1.4604	* .7420
	* 1.7537	* 1.6398	* 1.7473	* 1.5341	* 1.6199	* 1.5967	* 1.4828	* 2.8254

10	* 1.2025	* 1.2187	* 1.3094	* 1.3353	* 1.4050	* 1.3128	* 1.4435	* .7067
	* 1.7393	* 1.7476	* 1.6423	* 1.6296	* 1.5680	* 1.6360	* 1.5144	* 2.9702

11	* 1.2753	* 1.4046	* 1.3344	* 1.3517	* 1.1946	* 1.3959	* 1.3864	* .6405
	* 1.6556	* 1.5343	* 1.6305	* 1.6563	* 1.7799	* 1.5619	* 1.5918	* 3.2914

12	* 1.4803	* 1.3079	* 1.4040	* 1.1936	* 1.0874	* 1.3078	* .8233	*
	* 1.4471	* 1.6204	* 1.5693	* 1.7811	* 1.7171	* 1.5196	* 2.4779	*

13	* 1.2319	* 1.3251	* 1.3110	* 1.3938	* 1.3059	* .7830	* .4335	*
	* 1.7053	* 1.5970	* 1.6388	* 1.5643	* 1.5213	* 2.2777	* 4.2266	*

14	* 1.4524	* 1.4605	* 1.4411	* 1.3819	* .8210	* .4327	*	*
	* 1.4903	* 1.4832	* 1.5179	* 1.5976	* 2.4851	* 4.2343	*	*

15	* .7441	* .7448	* .7056	* .6044	F-DEL-H			
	* 2.6506	* 2.8164	* 2.9773	* 3.4961	M-DEL-H			

AT 50% POWER, 250 EFPD

	H	G	F	E	D	C	B	A

8	* .8918	* 1.1071	* 1.1636	* 1.2654	* 1.5272	* 1.2145	* 1.4707	* .7780
	* 1.9841	* 1.8307	* 1.8008	* 1.6523	* 1.4147	* 1.6810	* 1.4123	* 2.4268

9	* 1.1071	* 1.3660	* 1.1795	* 1.4663	* 1.2962	* 1.3089	* 1.5225	* .7804
	* 1.8307	* 1.5917	* 1.7597	* 1.4840	* 1.6166	* 1.5749	* 1.4086	* 2.5919

10	* 1.1637	* 1.1793	* 1.2498	* 1.3048	* 1.4463	* 1.2981	* 1.5017	* .7506
	* 1.8007	* 1.7598	* 1.6556	* 1.6157	* 1.5188	* 1.6211	* 1.4447	* 2.7325

11	* 1.2654	* 1.4661	* 1.3040	* 1.4261	* 1.1905	* 1.4257	* 1.3448	* .6589
	* 1.6523	* 1.4841	* 1.6164	* 1.5539	* 1.7299	* 1.4985	* 1.5684	* 3.0938

12	* 1.5272	* 1.2959	* 1.4458	* 1.1899	* 1.0443	* 1.2475	* .8044	*
	* 1.4146	* 1.6168	* 1.5193	* 1.7306	* 1.6686	* 1.5229	* 2.4390	*

13	* 1.2145	* 1.3093	* 1.2972	* 1.4246	* 1.2467	* .7322	* .4340	*
	* 1.6810	* 1.5749	* 1.6228	* 1.5018	* 1.5238	* 2.2974	* 4.1103	*

14	* 1.4707	* 1.5223	* 1.5003	* 1.3421	* .8028	* .4334	*	*
	* 1.4124	* 1.4084	* 1.4467	* 1.5733	* 2.4445	* 4.1160	*	*

15	* .7792	* .7833	* .7501	* .6233	F-DEL-H			
	* 2.4234	* 2.5842	* 2.7379	* 3.2890	M-DEL-H			

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TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 50% POWER, 350 EFPD

	H	G	F	E	D	C	B	A
8	* .8790	* 1.0945	* 1.1518	* 1.2507	* 1.5135	* 1.1957	* 1.4222	* .7943
	* 1.8334	* 1.8454	* 1.8192	* 1.6679	* 1.3963	* 1.6820	* 1.3731	* 2.3161
9	* 1.0945	* 1.3728	* 1.1615	* 1.4744	* 1.2796	* 1.2912	* 1.5191	* .7978
	* 1.8454	* 1.5705	* 1.7749	* 1.4415	* 1.6304	* 1.5792	* 1.3698	* 2.4811
10	* 1.1520	* 1.1613	* 1.2211	* 1.2860	* 1.4577	* 1.2843	* 1.5033	* .7780
	* 1.8189	* 1.7749	* 1.6739	* 1.6232	* 1.4669	* 1.5999	* 1.4110	* 2.6158
11	* 1.2508	* 1.4743	* 1.2854	* 1.4397	* 1.1844	* 1.4155	* 1.3289	* .6823
	* 1.6679	* 1.4414	* 1.6238	* 1.4876	* 1.7269	* 1.4367	* 1.5209	* 2.8812
12	* 1.5135	* 1.2794	* 1.4575	* 1.1840	* 1.0249	* 1.2219	* .8109	*
	* 1.3963	* 1.6305	* 1.4675	* 1.7274	* 1.5745	* 1.5039	* 2.4135	*
13	* 1.1957	* 1.2914	* 1.2838	* 1.4149	* 1.2213	* .7294	* .4549	*
	* 1.6820	* 1.5789	* 1.6026	* 1.4392	* 1.5045	* 2.2809	* 3.9466	*
14	* 1.4222	* 1.5192	* 1.5024	* 1.3267	* .8096	* .4544	*	*
	* 1.3731	* 1.3696	* 1.4126	* 1.5258	* 2.4204	* 3.9512	*	*
15	* .7954	* .8006	* .7776	* .6464	F-DEL-H			
	* 2.3150	* 2.4739	* 2.6198	* 3.0561	M-DEL-H			

AT 50% POWER, 465 EFPD

	H	G	F	E	D	C	B	A
8	* .8646	* 1.0813	* 1.1426	* 1.2334	* 1.4838	* 1.1827	* 1.3773	* .8160
	* 1.7149	* 1.8221	* 1.8428	* 1.6999	* 1.4258	* 1.6956	* 1.3763	* 2.2286
9	* 1.0813	* 1.3565	* 1.1465	* 1.4575	* 1.2605	* 1.2775	* 1.5040	* .8204
	* 1.8221	* 1.4920	* 1.8035	* 1.4553	* 1.6611	* 1.5962	* 1.3735	* 2.3915
10	* 1.1427	* 1.1463	* 1.1813	* 1.2564	* 1.4403	* 1.2751	* 1.4966	* .8132
	* 1.8427	* 1.8035	* 1.7085	* 1.6557	* 1.4704	* 1.6060	* 1.4141	* 2.5121
11	* 1.2334	* 1.4575	* 1.2559	* 1.4085	* 1.1653	* 1.4011	* 1.3217	* .7208
	* 1.6999	* 1.4552	* 1.6563	* 1.4722	* 1.7521	* 1.4372	* 1.5239	* 2.7398
12	* 1.4838	* 1.2604	* 1.4402	* 1.1650	* .9933	* 1.2095	* .8339	*
	* 1.4258	* 1.6611	* 1.4708	* 1.7524	* 1.5101	* 1.5237	* 2.3382	*
13	* 1.1827	* 1.2776	* 1.2747	* 1.4002	* 1.2088	* .7405	* .4918	*
	* 1.6956	* 1.5958	* 1.6082	* 1.4393	* 1.5240	* 2.2447	* 3.7220	*
14	* 1.3773	* 1.5041	* 1.4959	* 1.3198	* .8327	* .4913	*	*
	* 1.3762	* 1.3732	* 1.4153	* 1.5281	* 2.3440	* 3.7256	*	*
15	* .8171	* .8224	* .8128	* .6837	F-DEL-H			
	* 2.2259	* 2.3845	* 2.5152	* 2.9009	M-DEL-H			

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TABLE A-4

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .4706 *	* .5362 *	* .5046 *	* .5179 *	* .5758 *	* .4890 *	* .4783 *	* .2917 *
	* 3.6202 *	* 3.6410 *	* 3.8973 *	* 3.6648 *	* 3.2760 *	* 3.8228 *	* 3.8631 *	* 6.2443 *
9	* .5362 *	* .5887 *	* .5231 *	* .5848 *	* .5130 *	* .4783 *	* .4795 *	* .2793 *
	* 3.6410 *	* 3.3209 *	* 3.7298 *	* 3.2857 *	* 3.6974 *	* 3.9253 *	* 3.8733 *	* 6.5600 *
10	* .5046 *	* .5231 *	* .5316 *	* .5424 *	* .5600 *	* .4863 *	* .4706 *	* .2658 *
	* 3.8973 *	* 3.7297 *	* 3.6740 *	* 3.6218 *	* 3.4757 *	* 3.9967 *	* 4.0462 *	* 6.9907 *
11	* .5180 *	* .5847 *	* .5423 *	* .5792 *	* .5087 *	* .5145 *	* .4410 *	* .2304 *
	* 3.6646 *	* 3.2848 *	* 3.6231 *	* 3.3908 *	* 3.8337 *	* 3.7291 *	* 4.4142 *	* 8.3267 *
12	* .5758 *	* .5130 *	* .5596 *	* .5083 *	* .4395 *	* .4405 *	* .3202 *	
	* 3.2760 *	* 3.6969 *	* 3.4779 *	* 3.8361 *	* 4.0621 *	* 4.0968 *	* 5.8928 *	
13	* .4890 *	* .4780 *	* .4856 *	* .5132 *	* .4395 *	* .3286 *	* .1868 *	
	* 3.8229 *	* 3.9274 *	* 4.0026 *	* 3.7370 *	* 4.1057 *	* 5.3381 *	* 9.8422 *	
14	* .4783 *	* .4791 *	* .4690 *	* .4388 *	* .3185 *	* .1863 *		
	* 3.8631 *	* 3.8767 *	* 4.0603 *	* 4.4357 *	* 5.9217 *	* 9.8641 *		
15	* .2918 *	* .2793 *	* .2646 *	* .2198 *	F-SUB-Q			
	* 6.2413 *	* 6.5603 *	* 7.0219 *	* 8.7322 *	M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0583 *	* 1.1808 *	* 1.1306 *	* 1.1152 *	* 1.2783 *	* 1.0569 *	* 1.1500 *	* .6099 *
	* 1.8026 *	* 1.6665 *	* 1.7830 *	* 1.7385 *	* 1.5075 *	* 1.8071 *	* 1.6425 *	* 3.0532 *
9	* 1.1808 *	* 1.3298 *	* 1.1303 *	* 1.2539 *	* 1.1065 *	* 1.0723 *	* 1.1546 *	* .6217 *
	* 1.6665 *	* 1.4950 *	* 1.7596 *	* 1.5675 *	* 1.7477 *	* 1.7892 *	* 1.6439 *	* 3.0055 *
10	* 1.1306 *	* 1.1301 *	* 1.1838 *	* 1.1783 *	* 1.1592 *	* 1.0764 *	* 1.1375 *	* .5949 *
	* 1.7830 *	* 1.7599 *	* 1.6819 *	* 1.7017 *	* 1.7173 *	* 1.8333 *	* 1.7079 *	* 3.1908 *
11	* 1.1151 *	* 1.2539 *	* 1.1780 *	* 1.2227 *	* 1.0855 *	* 1.1746 *	* 1.0330 *	* .5512 *
	* 1.7386 *	* 1.5673 *	* 1.7020 *	* 1.6335 *	* 1.8268 *	* 1.6636 *	* 1.9002 *	* 3.5528 *
12	* 1.2783 *	* 1.1065 *	* 1.1586 *	* 1.0850 *	* 1.0168 *	* 1.1090 *	* .7347 *	
	* 1.5075 *	* 1.7478 *	* 1.7183 *	* 1.8277 *	* 1.8239 *	* 1.7019 *	* 2.6174 *	
13	* 1.0569 *	* 1.0718 *	* 1.0747 *	* 1.1723 *	* 1.1069 *	* .7759 *	* .4229 *	
	* 1.8071 *	* 1.7900 *	* 1.8362 *	* 1.6667 *	* 1.7048 *	* 2.3845 *	* 4.4496 *	
14	* 1.1500 *	* 1.1538 *	* 1.1338 *	* 1.0273 *	* .7313 *	* .4219 *		
	* 1.6425 *	* 1.6450 *	* 1.7135 *	* 1.9105 *	* 2.6292 *	* 4.4588 *		
15	* .6104 *	* .6226 *	* .5924 *	* .5128 *	F-SUB-Q			
	* 3.0505 *	* 2.9980 *	* 3.2042 *	* 3.8197 *	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3130	* 1.4164	* 1.3804	* 1.3275	* 1.2916	* 1.2313	* 1.2390	* .6959
	* 1.5320	* 1.4265	* 1.4835	* 1.5001	* 1.5128	* 1.5728	* 1.5514	* 2.7158
9	* 1.4164	* 1.4126	* 1.3554	* 1.3377	* 1.3154	* 1.2874	* 1.2511	* .7096
	* 1.4265	* 1.4364	* 1.4861	* 1.4964	* 1.4943	* 1.5142	* 1.5446	* 2.6690
10	* 1.3804	* 1.3553	* 1.4129	* 1.3854	* 1.3201	* 1.2783	* 1.2450	* .6886
	* 1.4835	* 1.4861	* 1.4299	* 1.4635	* 1.5155	* 1.5620	* 1.5813	* 2.7979
11	* 1.3275	* 1.3377	* 1.3853	* 1.3274	* 1.2578	* 1.2034	* 1.2620	* .6650
	* 1.5001	* 1.4965	* 1.4637	* 1.5347	* 1.6030	* 1.6532	* 1.5772	* 2.9907
12	* 1.2916	* 1.3153	* 1.3197	* 1.2572	* 1.2531	* 1.2977		* .8915
	* 1.5128	* 1.4945	* 1.5161	* 1.6037	* 1.5553	* 1.4989		* 2.1966
13	* 1.2313	* 1.2864	* 1.2767	* 1.2016	* 1.2956	* .9578	* .5255	
	* 1.5728	* 1.5148	* 1.5636	* 1.6551	* 1.5009	* 2.0036		* 3.6571
14	* 1.2390	* 1.2500	* 1.2402	* 1.2556	* .8877	* .5244		
	* 1.5514	* 1.5454	* 1.5847	* 1.5850	* 2.2057	* 3.6649		
15	* .6967	* .7116	* .6861	* .6243	F-SUB-Q			
	* 2.7127	* 2.6615	* 2.8083	* 3.1872	M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4440	* 1.5660	* 1.5194	* 1.4469	* 1.4090	* 1.3385	* 1.3663	* .7291
	* 1.4252	* 1.3179	* 1.3715	* 1.3981	* 1.4086	* 1.4687	* 1.4281	* 2.6317
9	* 1.5660	* 1.5678	* 1.4826	* 1.4747	* 1.4351	* 1.4116	* 1.3836	* .7382
	* 1.3179	* 1.3181	* 1.3820	* 1.3789	* 1.3971	* 1.4054	* 1.4207	* 2.6103
10	* 1.5195	* 1.4826	* 1.5549	* 1.5223	* 1.4598	* 1.4015	* 1.3929	* .7202
	* 1.3714	* 1.3819	* 1.3194	* 1.3553	* 1.3920	* 1.4503	* 1.4516	* 2.7275
11	* 1.4469	* 1.4747	* 1.5219	* 1.4667	* 1.3553	* 1.3358	* 1.4249	* .7090
	* 1.3982	* 1.3790	* 1.3556	* 1.4127	* 1.5055	* 1.5082	* 1.4205	* 2.8480
12	* 1.4090	* 1.4347	* 1.4594	* 1.3544	* 1.3890	* 1.4605		* .9596
	* 1.4086	* 1.3972	* 1.3926	* 1.5064	* 1.4354	* 1.3547		* 2.0810
13	* 1.3385	* 1.4106	* 1.3998	* 1.3340	* 1.4598	* 1.0391		* .5651
	* 1.4687	* 1.4058	* 1.4522	* 1.5097	* 1.3552	* 1.8915		* 3.4745
14	* 1.3663	* 1.3817	* 1.3870	* 1.4179		* .9558		* .5639
	* 1.4281	* 1.4213	* 1.4547	* 1.4274		* 2.0889		* 3.4817
15	* .7300	* .7392	* .7162	* .6639	F-SUB-Q			
	* 2.6284	* 2.6024	* 2.7364	* 3.0429	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4963	* 1.6279	* 1.5770	* 1.4977	* 1.4732	* 1.3841	* 1.4283	* .7480 *
	* 1.4053	* 1.2945	* 1.3471	* 1.3747	* 1.3715	* 1.4454	* 1.3897	* 2.6113 *
9	* 1.6279	* 1.6420	* 1.5384	* 1.5421	* 1.4900	* 1.4630	* 1.4506	* .7582 *
	* 1.2945	* 1.2850	* 1.3567	* 1.3417	* 1.3713	* 1.3816	* 1.3803	* 2.5848 *
10	* 1.5772	* 1.5383	* 1.6157	* 1.5841	* 1.5279	* 1.4543	* 1.4731	* .7428 *
	* 1.3470	* 1.3567	* 1.2916	* 1.3249	* 1.3533	* 1.4214	* 1.4050	* 2.6905 *
11	* 1.4976	* 1.5421	* 1.5836	* 1.5342	* 1.4116	* 1.4046	* 1.5113	* .7369 *
	* 1.3747	* 1.3418	* 1.3254	* 1.3756	* 1.4801	* 1.4578	* 1.3657	* 2.7849 *
12	* 1.4732	* 1.4895	* 1.5274	* 1.4109	* 1.4563	* 1.5467	* 1.0073	*
	* 1.3715	* 1.3715	* 1.3538	* 1.4810	* 1.3996	* 1.3079	* 2.0258	*
13	* 1.3841	* 1.4621	* 1.4526	* 1.4028	* 1.5456	* 1.0870	* .5868	*
	* 1.4454	* 1.3820	* 1.4232	* 1.4592	* 1.3085	* 1.8504	* 3.4251	*
14	* 1.4283	* 1.4488	* 1.4673	* 1.5044	* 1.0036	* .5856	*	*
	* 1.3897	* 1.3811	* 1.4078	* 1.3719	* 2.0331	* 3.4319	*	*
15	* .7490	* .7599	* .7391	* .6913	* F-SUB-Q			
	* 2.6079	* 2.5764	* 2.6984	* 2.9700	* M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5204	* 1.6575	* 1.6045	* 1.5224	* 1.5057	* 1.4071	* 1.4604	* .7602 *
	* 1.4079	* 1.2942	* 1.3445	* 1.3788	* 1.3690	* 1.4503	* 1.3859	* 2.6217 *
9	* 1.6575	* 1.6769	* 1.5647	* 1.5753	* 1.5189	* 1.4863	* 1.4866	* .7727 *
	* 1.2942	* 1.2812	* 1.3594	* 1.3385	* 1.3730	* 1.3880	* 1.3744	* 2.5851 *
10	* 1.6046	* 1.5645	* 1.6462	* 1.6166	* 1.5627	* 1.4833	* 1.5185	* .7575 *
	* 1.3444	* 1.3595	* 1.2910	* 1.3212	* 1.3480	* 1.4171	* 1.3841	* 2.6815 *
11	* 1.5224	* 1.5752	* 1.6161	* 1.5683	* 1.4462	* 1.4418	* 1.5605	* .7565 *
	* 1.3788	* 1.3386	* 1.3217	* 1.3636	* 1.4743	* 1.4466	* 1.3444	* 2.7538 *
12	* 1.5057	* 1.5183	* 1.5621	* 1.4454	* 1.4893	* 1.5953	* 1.0399	*
	* 1.3690	* 1.3733	* 1.3486	* 1.4750	* 1.3979	* 1.2986	* 2.0026	*
13	* 1.4071	* 1.4854	* 1.4816	* 1.4399	* 1.5931	* 1.1188	* .6007	*
	* 1.4503	* 1.3884	* 1.4183	* 1.4480	* 1.2993	* 1.8420	* 3.4264	*
14	* 1.4604	* 1.4849	* 1.5127	* 1.5537	* 1.0363	* .5995	*	*
	* 1.3859	* 1.3751	* 1.3894	* 1.3502	* 2.0095	* 3.4330	*	*
15	* .7612	* .7753	* .7545	* .7115	* F-SUB-Q			
	* 2.6185	* 2.5763	* 2.6886	* 2.9284	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5454	* 1.6885	* 1.6337	* 1.5496	* 1.5410	* 1.4330	* 1.4986	* .7687
	* 1.4077	* 1.2902	* 1.3364	* 1.3841	* 1.3686	* 1.4571	* 1.3813	* 2.6528
9	* 1.6885	* 1.7152	* 1.5919	* 1.6124	* 1.5500	* 1.5160	* 1.5274	* .7788
	* 1.2902	* 1.2718	* 1.3636	* 1.3349	* 1.3764	* 1.3909	* 1.3681	* 2.6294
10	* 1.6339	* 1.5917	* 1.6801	* 1.6521	* 1.6013	* 1.5152	* 1.5652	* .7651
	* 1.3363	* 1.3638	* 1.2899	* 1.3120	* 1.3424	* 1.4119	* 1.3592	* 2.7208
11	* 1.5496	* 1.6122	* 1.6515	* 1.6063	* 1.4680	* 1.4831	* 1.6113	* .7626
	* 1.3841	* 1.3351	* 1.3125	* 1.3500	* 1.4697	* 1.4349	* 1.3170	* 2.7692
12	* 1.5410	* 1.5493	* 1.6006	* 1.4672	* 1.5240	* 1.6447	* 1.0512	*
	* 1.3686	* 1.3769	* 1.3430	* 1.4707	* 1.3961	* 1.2875	* 2.0180	*
13	* 1.4330	* 1.5152	* 1.5135	* 1.4804	* 1.6424	* 1.1326	* .6030	*
	* 1.4571	* 1.3912	* 1.4141	* 1.4374	* 1.2882	* 1.8601	* 3.4902	*
14	* 1.4986	* 1.5258	* 1.5595	* 1.6046	* 1.0476	* .6018	*	*
	* 1.3813	* 1.3687	* 1.3642	* 1.3226	* 2.0248	* 3.4967	*	*
15	* .7697	* .7804	* .7617	* .7160	F-SUB-Q			
	* 2.6494	* 2.6203	* 2.7273	* 2.9484	M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5570	* 1.7039	* 1.6482	* 1.5629	* 1.5591	* 1.4471	* 1.5196	* .7738
	* 1.4253	* 1.3044	* 1.3535	* 1.4053	* 1.3880	* 1.4808	* 1.3972	* 2.7036
9	* 1.7039	* 1.7337	* 1.6051	* 1.6318	* 1.5670	* 1.5319	* 1.5506	* .7835
	* 1.3044	* 1.2837	* 1.3813	* 1.3490	* 1.3939	* 1.4066	* 1.3812	* 2.6796
10	* 1.6484	* 1.6048	* 1.6989	* 1.6721	* 1.6226	* 1.5331	* 1.5930	* .7701
	* 1.3534	* 1.3816	* 1.2991	* 1.3209	* 1.3530	* 1.4210	* 1.3630	* 2.7633
11	* 1.5629	* 1.6315	* 1.6713	* 1.6266	* 1.4829	* 1.5094	* 1.6424	* .7693
	* 1.4053	* 1.3493	* 1.3215	* 1.3610	* 1.4829	* 1.4360	* 1.3180	* 2.7909
12	* 1.5591	* 1.5662	* 1.6218	* 1.4820	* 1.5434	* 1.6737	* 1.0621	*
	* 1.3880	* 1.3946	* 1.3536	* 1.4840	* 1.4019	* 1.2878	* 2.0323	*
13	* 1.4471	* 1.5311	* 1.5314	* 1.5046	* 1.6713	* 1.1446	* .6056	*
	* 1.4808	* 1.4076	* 1.4231	* 1.4375	* 1.2889	* 1.8761	* 3.5320	*
14	* 1.5196	* 1.5490	* 1.5873	* 1.6357	* 1.0586	* .6045	*	*
	* 1.3972	* 1.3821	* 1.3679	* 1.3234	* 2.0389	* 3.5384	*	*
15	* .7748	* .7852	* .7668	* .7223	F-SUB-Q			
	* 2.7000	* 2.6720	* 2.7727	* 2.9745	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5688	* 1.7201	* 1.6631	* 1.5767	* 1.5783	* 1.4609	* 1.5416	* .7773 *
	* 1.4616	* 1.3321	* 1.3722	* 1.4313	* 1.4118	* 1.5104	* 1.4173	* 2.7695 *
9	* 1.7201	* 1.7541	* 1.6186	* 1.6525	* 1.5837	* 1.5485	* 1.5742	* .7858 *
	* 1.3321	* 1.3071	* 1.4041	* 1.3661	* 1.4162	* 1.4264	* 1.3966	* 2.7475 *
10	* 1.6633	* 1.6183	* 1.7181	* 1.6924	* 1.6446	* 1.5507	* 1.6194	* .7722 *
	* 1.3721	* 1.4045	* 1.3158	* 1.3352	* 1.3680	* 1.4358	* 1.3685	* 2.8236 *
11	* 1.5767	* 1.6521	* 1.6916	* 1.6479	* 1.4947	* 1.5345	* 1.6719	* .7700 *
	* 1.4313	* 1.3664	* 1.3358	* 1.3727	* 1.5103	* 1.4487	* 1.3258	* 2.8467 *
12	* 1.5783	* 1.5829	* 1.6438	* 1.4935	* 1.5625	* 1.7018	* 1.0652	*
	* 1.4118	* 1.4170	* 1.3687	* 1.5115	* 1.4283	* 1.3031	* 2.0832	*
13	* 1.4609	* 1.5476	* 1.5490	* 1.5296	* 1.6995	* 1.1499	* .6046	*
	* 1.5104	* 1.4274	* 1.4381	* 1.4533	* 1.3048	* 1.9222	* 3.6337	*
14	* 1.5416	* 1.5727	* 1.6138	* 1.6651	* 1.0617	* .6035	*	*
	* 1.4173	* 1.3979	* 1.3733	* 1.3312	* 2.0899	* 3.6402	*	*
15	* .7784	* .7875	* .7690	* .7247	* F-SUB-Q			
	* 2.7656	* 2.7414	* 2.8350	* 3.0223	* M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5557	* 1.7068	* 1.6509	* 1.5639	* 1.5630	* 1.4505	* 1.5275	* .7780 *
	* 1.5189	* 1.3806	* 1.4220	* 1.4888	* 1.4733	* 1.5721	* 1.4775	* 2.8574 *
9	* 1.7068	* 1.7358	* 1.6066	* 1.6359	* 1.5726	* 1.5383	* 1.5617	* .7888 *
	* 1.3806	* 1.3558	* 1.4590	* 1.4231	* 1.4702	* 1.4786	* 1.4509	* 2.8216 *
10	* 1.6510	* 1.6063	* 1.7074	* 1.6820	* 1.6285	* 1.5411	* 1.6091	* .7743 *
	* 1.4219	* 1.4594	* 1.3647	* 1.3837	* 1.4240	* 1.4852	* 1.4142	* 2.8909 *
11	* 1.5639	* 1.6354	* 1.6811	* 1.6329	* 1.4972	* 1.5246	* 1.6615	* .7792 *
	* 1.4888	* 1.4235	* 1.3844	* 1.4258	* 1.5517	* 1.4955	* 1.3684	* 2.8900 *
12	* 1.5630	* 1.5717	* 1.6276	* 1.4963	* 1.5538	* 1.6911	* 1.0807	*
	* 1.4733	* 1.4710	* 1.4247	* 1.5526	* 1.4867	* 1.3560	* 2.1126	*
13	* 1.4505	* 1.5374	* 1.5394	* 1.5198	* 1.6887	* 1.1644	* .6117	*
	* 1.5721	* 1.4796	* 1.4875	* 1.5001	* 1.3579	* 1.9669	* 3.7136	*
14	* 1.5275	* 1.5602	* 1.6035	* 1.6548	* 1.0772	* .6106	*	*
	* 1.4775	* 1.4522	* 1.4190	* 1.3738	* 2.1193	* 3.7202	*	*
15	* .7790	* .7917	* .7726	* .7345	* F-SUB-Q			
	* 2.8537	* 2.8111	* 2.8967	* 3.0661	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.5694	* 1.7262	* 1.6683	* 1.5802	* 1.5871	* 1.4664	* 1.5565	* .7781 *
	* 1.5576	* 1.4128	* 1.4580	* 1.5273	* 1.5052	* 1.6132	* 1.5028	* 2.9587 *

9	* 1.7262	* 1.7629	* 1.6225	* 1.6628	* 1.5920	* 1.5596	* 1.5917	* .7846 *
	* 1.4128	* 1.3815	* 1.4963	* 1.4496	* 1.5041	* 1.5086	* 1.4729	* 2.9386 *

10	* 1.6685	* 1.6220	* 1.7299	* 1.7059	* 1.6570	* 1.5612	* 1.6412	* .7709 *
	* 1.4578	* 1.4968	* 1.3959	* 1.4138	* 1.4482	* 1.5122	* 1.4329	* 3.0034 *

11	* 1.5803	* 1.6623	* 1.7049	* 1.6601	* 1.5004	* 1.5549	* 1.6977	* .7702 *
	* 1.5272	* 1.4500	* 1.4146	* 1.4524	* 1.5947	* 1.5150	* 1.3837	* 3.0209 *

12	* 1.5871	* 1.5910	* 1.6561	* 1.4992	* 1.5749	* 1.7249	* 1.0690	*
	* 1.5052	* 1.5049	* 1.4490	* 1.5959	* 1.5109	* 1.3689	* 2.2008	*

13	* 1.4664	* 1.5585	* 1.5595	* 1.5500	* 1.7224	* 1.1570	* .6023	*
	* 1.6132	* 1.5095	* 1.5145	* 1.5196	* 1.3708	* 2.0391	* 3.8728	*

14	* 1.5565	* 1.5902	* 1.6356	* 1.6910	* 1.0656	* .6012	*	*
	* 1.5028	* 1.4741	* 1.4377	* 1.3891	* 2.2077	* 3.8795	*	*

15	* .7792	* .7864	* .7679	* .7249	* F-SUB-Q			
	* 2.9545	* 2.9316	* 3.0147	* 3.2088	* M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.5651	* 1.7237	* 1.6657	* 1.5772	* 1.5869	* 1.4645	* 1.5592	* .7762 *
	* 1.5847	* 1.4377	* 1.4794	* 1.5531	* 1.5373	* 1.6632	* 1.5589	* 3.0792 *

9	* 1.7237	* 1.7617	* 1.6193	* 1.6633	* 1.5913	* 1.5612	* 1.5957	* .7819 *
	* 1.4377	* 1.4028	* 1.5198	* 1.4742	* 1.5384	* 1.5650	* 1.5252	* 3.0595 *

10	* 1.6659	* 1.6188	* 1.7303	* 1.7070	* 1.6590	* 1.5614	* 1.6473	* .7683 *
	* 1.4792	* 1.5202	* 1.4220	* 1.4411	* 1.4768	* 1.5659	* 1.4802	* 3.1225 *

11	* 1.5772	* 1.6627	* 1.7060	* 1.6610	* 1.4986	* 1.5604	* 1.7060	* .7687 *
	* 1.5531	* 1.4747	* 1.4420	* 1.4797	* 1.6415	* 1.5669	* 1.4295	* 3.1320 *

12	* 1.5869	* 1.5903	* 1.6580	* 1.4973	* 1.5757	* 1.7309	* 1.0690	*
	* 1.5373	* 1.5393	* 1.4777	* 1.6427	* 1.5659	* 1.4140	* 2.2819	*

13	* 1.4645	* 1.5601	* 1.5597	* 1.5556	* 1.7284	* 1.1575	* .5997	*
	* 1.6632	* 1.5659	* 1.5682	* 1.5716	* 1.4159	* 2.1104	* 4.0224	*

14	* 1.5592	* 1.5941	* 1.6417	* 1.6993	* 1.0656	* .5986	*	*
	* 1.5589	* 1.5265	* 1.4850	* 1.4349	* 2.2888	* 4.0291	*	*

15	* .7773	* .7838	* .7653	* .7235	* F-SUB-Q			
	* 3.0748	* 3.0520	* 3.1338	* 3.3286	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.5453	* 1.7030	* 1.6464	* 1.5576	* 1.5655	* 1.4478	* 1.5393	* .7721 *
	* 1.5677	* 1.4191	* 1.4591	* 1.5322	* 1.5179	* 1.6389	* 1.5393	* 3.0411 *

9	* 1.7030	* 1.7369	* 1.5999	* 1.6402	* 1.5732	* 1.5463	* 1.5771	* .7788 *
	* 1.4191	* 1.3874	* 1.4989	* 1.4568	* 1.5162	* 1.5400	* 1.5080	* 3.0159 *

10	* 1.6465	* 1.5995	* 1.7118	* 1.6890	* 1.6364	* 1.5468	* 1.6302	* .7651 *
	* 1.4590	* 1.4995	* 1.4010	* 1.4198	* 1.4590	* 1.5432	* 1.4679	* 3.0831 *

11	* 1.5576	* 1.6396	* 1.6879	* 1.6394	* 1.4911	* 1.5441	* 1.6886	* .7710 *
	* 1.5322	* 1.4573	* 1.4207	* 1.4614	* 1.6078	* 1.5520	* 1.4206	* 3.0745 *

12	* 1.5655	* 1.5721	* 1.6354	* 1.4901	* 1.5595	* 1.7128	* 1.0746	*
	* 1.5179	* 1.5172	* 1.4599	* 1.6089	* 1.5563	* 1.4142	* 2.2336	*

13	* 1.4478	* 1.5452	* 1.5443	* 1.5393	* 1.7103	* 1.1617	* .6013	*
	* 1.6389	* 1.5410	* 1.5456	* 1.5567	* 1.4162	* 2.0853	* 3.9917	*

14	* 1.5393	* 1.5755	* 1.6247	* 1.6820	* 1.0712	* .6002	*	*
	* 1.5393	* 1.5093	* 1.4728	* 1.4260	* 2.2406	* 3.9987	*	*

15	* .7731	* .7818	* .7632	* .7271	F-SUB-Q			
	* 3.0368	* 3.0044	* 3.0887	* 3.2596	M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.5476	* 1.7095	* 1.6516	* 1.5623	* 1.5772	* 1.4527	* 1.5572	* .7670 *
	* 1.5295	* 1.3810	* 1.4213	* 1.4914	* 1.4698	* 1.5931	* 1.4838	* 2.9692 *

9	* 1.7095	* 1.7507	* 1.6046	* 1.6543	* 1.5808	* 1.5566	* 1.5958	* .7703 *
	* 1.3810	* 1.3449	* 1.4604	* 1.4103	* 1.4728	* 1.4929	* 1.4538	* 2.9610 *

10	* 1.6518	* 1.6041	* 1.7214	* 1.6997	* 1.6510	* 1.5583	* 1.6508	* .7566 *
	* 1.4211	* 1.4609	* 1.3613	* 1.3783	* 1.4115	* 1.4949	* 1.4141	* 3.0294 *

11	* 1.5624	* 1.6536	* 1.7006	* 1.6539	* 1.4854	* 1.5633	* 1.7131	* .7571 *
	* 1.4913	* 1.4108	* 1.3775	* 1.4147	* 1.5783	* 1.4955	* 1.3664	* 3.0403 *

12	* 1.5772	* 1.5797	* 1.6499	* 1.4841	* 1.5687	* 1.7338	* 1.0562	*
	* 1.4698	* 1.4738	* 1.4124	* 1.5797	* 1.5094	* 1.3619	* 2.2132	*

13	* 1.4527	* 1.5555	* 1.5558	* 1.5586	* 1.7313	* 1.1463	* .5879	*
	* 1.5931	* 1.4938	* 1.4972	* 1.4999	* 1.3639	* 2.0594	* 3.9641	*

14	* 1.5572	* 1.5943	* 1.6453	* 1.7065	* 1.0529	* .5869	*	*
	* 1.4838	* 1.4550	* 1.4186	* 1.3715	* 2.2200	* 3.9708	*	*

15	* .7682	* .7723	* .7538	* .7142	F-SUB-Q			
	* 2.9649	* 2.9534	* 3.0399	* 3.2255	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5362	* 1.6994	* 1.6417	* 1.5522	* 1.5704	* 1.4443	* 1.5545	* .7603
	* 1.4854	* 1.3380	* 1.3742	* 1.4416	* 1.4174	* 1.5385	* 1.4270	* 2.8770
9	* 1.6994	* 1.7431	* 1.5945	* 1.6479	* 1.5731	* 1.5513	* 1.5942	* .7624
	* 1.3380	* 1.2996	* 1.4115	* 1.3594	* 1.4210	* 1.4378	* 1.3969	* 2.8732
10	* 1.6419	* 1.5940	* 1.7139	* 1.6952	* 1.6463	* 1.5541	* 1.6511	* .7486
	* 1.3740	* 1.4122	* 1.3136	* 1.3273	* 1.3591	* 1.4387	* 1.3560	* 2.9378
11	* 1.5523	* 1.6471	* 1.6939	* 1.6483	* 1.4762	* 1.5632	* 1.7156	* .7487
	* 1.4415	* 1.3600	* 1.3283	* 1.3630	* 1.5240	* 1.4343	* 1.3085	* 2.9479
12	* 1.5704	* 1.5719	* 1.6452	* 1.4748	* 1.5620	* 1.7333	* 1.0462	*
	* 1.4174	* 1.4220	* 1.3600	* 1.5254	* 1.4590	* 1.3093	* 2.1407	*
13	* 1.4443	* 1.5503	* 1.5516	* 1.5585	* 1.7308	* 1.1364	* .5795	*
	* 1.5385	* 1.4386	* 1.4408	* 1.4385	* 1.3112	* 1.9932	* 3.8511	*
14	* 1.5545	* 1.5926	* 1.6456	* 1.7090	* 1.0429	* .5785	*	*
	* 1.4270	* 1.3980	* 1.3603	* 1.3134	* 2.1471	* 3.8576	*	*
15	* .7614	* .7644	* .7459	* .7075	* F-SUB-Q			
	* 2.8727	* 2.8656	* 2.9478	* 3.1218	* M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5186	* 1.6820	* 1.6250	* 1.5354	* 1.5549	* 1.4294	* 1.5412	* .7528
	* 1.4467	* 1.3013	* 1.3369	* 1.4039	* 1.3792	* 1.4977	* 1.3867	* 2.8012
9	* 1.6820	* 1.7258	* 1.5776	* 1.6318	* 1.5575	* 1.5382	* 1.5815	* .7543
	* 1.3013	* 1.2638	* 1.3741	* 1.3222	* 1.3823	* 1.3963	* 1.3561	* 2.7989
10	* 1.6252	* 1.5770	* 1.6982	* 1.6801	* 1.6305	* 1.5415	* 1.6390	* .7405
	* 1.3368	* 1.3748	* 1.2763	* 1.2891	* 1.3217	* 1.3961	* 1.3138	* 2.8608
11	* 1.5355	* 1.6310	* 1.6788	* 1.6326	* 1.4603	* 1.5516	* 1.7042	* .7421
	* 1.4038	* 1.3228	* 1.2901	* 1.3247	* 1.4823	* 1.3896	* 1.2663	* 2.8628
12	* 1.5549	* 1.5563	* 1.6293	* 1.4588	* 1.5477	* 1.7206	* 1.0382	*
	* 1.3792	* 1.3833	* 1.3226	* 1.4837	* 1.4158	* 1.2672	* 2.0735	*
13	* 1.4294	* 1.5372	* 1.5390	* 1.5469	* 1.7180	* 1.1281	* .5737	*
	* 1.4977	* 1.3971	* 1.3982	* 1.3937	* 1.2691	* 1.9292	* 3.7396	*
14	* 1.5412	* 1.5800	* 1.6335	* 1.6977	* 1.0350	* .5727	*	*
	* 1.3867	* 1.3571	* 1.3180	* 1.2710	* 2.0797	* 3.7459	*	*
15	* .7539	* .7563	* .7379	* .7006	* F-SUB-Q			
	* 2.7970	* 2.7913	* 2.8704	* 3.0333	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4908	* 1.6519	* 1.5964	* 1.5074	* 1.5247	* 1.4040	* 1.5120	* .7438 *
	* 1.4788	* 1.3300	* 1.3674	* 1.4377	* 1.4143	* 1.5332	* 1.4211	* 2.8518 *
9	* 1.6519	* 1.6913	* 1.5486	* 1.5998	* 1.5302	* 1.5128	* 1.5526	* .7464 *
	* 1.3300	* 1.2948	* 1.4058	* 1.3554	* 1.4142	* 1.4266	* 1.3880	* 2.8441 *
10	* 1.5966	* 1.5480	* 1.6693	* 1.6496	* 1.5991	* 1.5164	* 1.6104	* .7329 *
	* 1.3672	* 1.4066	* 1.3043	* 1.3188	* 1.3543	* 1.4254	* 1.3416	* 2.9050 *
11	* 1.5074	* 1.5989	* 1.6484	* 1.6014	* 1.4411	* 1.5243	* 1.6750	* .7400 *
	* 1.4377	* 1.3561	* 1.3198	* 1.3568	* 1.5055	* 1.4191	* 1.2919	* 2.8833 *
12	* 1.5247	* 1.5289	* 1.5979	* 1.4399	* 1.5207	* 1.6901	* 1.0372	*
	* 1.4143	* 1.4153	* 1.3553	* 1.5067	* 1.4439	* 1.2922	* 2.0811	*
13	* 1.4040	* 1.5118	* 1.5140	* 1.5196	* 1.6875	* 1.1242	* .5717	*
	* 1.5332	* 1.4273	* 1.4276	* 1.4232	* 1.2942	* 1.9388	* 3.7627	*
14	* 1.5120	* 1.5511	* 1.6051	* 1.6685	* 1.0340	* .5707	*	*
	* 1.4211	* 1.3891	* 1.3460	* 1.2967	* 2.0874	* 3.7690	*	*
15	* .7449	* .7492	* .7311	* .6983	F-SUB-Q			
	* 2.8476	* 2.8328	* 2.9096	* 3.0547	M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4854	* 1.6501	* 1.5931	* 1.5037	* 1.5282	* 1.4009	* 1.5209	* .7343 *
	* 1.4278	* 1.2836	* 1.3237	* 1.3938	* 1.3647	* 1.4873	* 1.3675	* 2.8015 *
9	* 1.6501	* 1.6975	* 1.5462	* 1.6057	* 1.5286	* 1.5134	* 1.5615	* .7335 *
	* 1.2836	* 1.2451	* 1.3620	* 1.3051	* 1.3685	* 1.3788	* 1.3344	* 2.8065 *
10	* 1.5933	* 1.5456	* 1.6697	* 1.6531	* 1.6063	* 1.5174	* 1.6189	* .7189 *
	* 1.3235	* 1.3626	* 1.2598	* 1.2710	* 1.3030	* 1.3761	* 1.2874	* 2.8675 *
11	* 1.5038	* 1.6048	* 1.6517	* 1.6074	* 1.4295	* 1.5319	* 1.6866	* .7194 *
	* 1.3937	* 1.3059	* 1.2721	* 1.3056	* 1.4658	* 1.3614	* 1.2366	* 2.8671 *
12	* 1.5282	* 1.5273	* 1.6050	* 1.4280	* 1.5193	* 1.6985	* 1.0089	*
	* 1.3647	* 1.3696	* 1.3040	* 1.4672	* 1.3878	* 1.2361	* 2.0606	*
13	* 1.4009	* 1.5124	* 1.5149	* 1.5272	* 1.6958	* 1.0985	* .5537	*
	* 1.4873	* 1.3796	* 1.3783	* 1.3655	* 1.2380	* 1.9066	* 3.7469	*
14	* 1.5209	* 1.5600	* 1.6134	* 1.6801	* 1.0057	* .5527	*	*
	* 1.3675	* 1.3356	* 1.2917	* 1.2413	* 2.0669	* 3.7533	*	*
15	* .7354	* .7355	* .7164	* .6804	F-SUB-Q			
	* 2.7973	* 2.7988	* 2.8771	* 3.0312	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4639	* 1.6285	* 1.5715	* 1.4822	* 1.5064	* 1.3816	* 1.5020	* .7232 *
	* 1.3891	* 1.2493	* 1.2909	* 1.3614	* 1.3331	* 1.4524	* 1.3334	* 2.7422 *
9	* 1.6285	* 1.6751	* 1.5250	* 1.5842	* 1.5074	* 1.4946	* 1.5419	* .7212 *
	* 1.2493	* 1.2130	* 1.3289	* 1.2731	* 1.3357	* 1.3435	* 1.3006	* 2.7515 *
10	* 1.5717	* 1.5244	* 1.6495	* 1.6331	* 1.5850	* 1.4980	* 1.5963	* .7060 *
	* 1.2908	* 1.3294	* 1.2267	* 1.2375	* 1.2709	* 1.3410	* 1.2549	* 2.8127 *
11	* 1.4824	* 1.5833	* 1.6317	* 1.5866	* 1.4081	* 1.5100	* 1.6639	* .7060 *
	* 1.3613	* 1.2738	* 1.2385	* 1.2725	* 1.4303	* 1.3271	* 1.2039	* 2.8123 *
12	* 1.5064	* 1.5061	* 1.5837	* 1.4066	* 1.4980	* 1.6746	* .9903 *	
	* 1.3331	* 1.3369	* 1.2719	* 1.4318	* 1.3480	* 1.2021	* 2.0164 *	
13	* 1.3816	* 1.4936	* 1.4954	* 1.5053	* 1.6719	* 1.0805	* .5427 *	
	* 1.4524	* 1.3443	* 1.3433	* 1.3312	* 1.2040	* 1.8585	* 3.6740 *	
14	* 1.5020	* 1.5404	* 1.5908	* 1.6573	* .9872	* .5417 *		
	* 1.3334	* 1.3018	* 1.2592	* 1.2086	* 2.0228	* 3.6805 *		
15	* .7243	* .7231	* .7036	* .6674	* F-SUB-Q			
	* 2.7380	* 2.7441	* 2.8225	* 2.9737	* M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4226	* 1.5821	* 1.5271	* 1.4393	* 1.4535	* 1.3433	* 1.4496	* .7103 *
	* 1.3816	* 1.2430	* 1.2854	* 1.3574	* 1.3379	* 1.4464	* 1.3376	* 2.7062 *
9	* 1.5821	* 1.6169	* 1.4805	* 1.5289	* 1.4625	* 1.4528	* 1.4876	* .7097 *
	* 1.2430	* 1.2155	* 1.3239	* 1.2767	* 1.3324	* 1.3377	* 1.3045	* 2.7095 *
10	* 1.5273	* 1.4799	* 1.6043	* 1.5846	* 1.5283	* 1.4540	* 1.5353	* .6946 *
	* 1.2852	* 1.3246	* 1.2200	* 1.2333	* 1.2756	* 1.3363	* 1.2616	* 2.7699 *
11	* 1.4393	* 1.5281	* 1.5834	* 1.5327	* 1.3728	* 1.4513	* 1.5976	* .6987 *
	* 1.3573	* 1.2774	* 1.2343	* 1.2742	* 1.4183	* 1.3345	* 1.2112	* 2.7511 *
12	* 1.4535	* 1.4612	* 1.5270	* 1.3715	* 1.4530	* 1.6101	* .9797 *	
	* 1.3379	* 1.3336	* 1.2766	* 1.4196	* 1.3415	* 1.2066	* 1.9700 *	
13	* 1.3433	* 1.4519	* 1.4515	* 1.4465	* 1.6083	* 1.0682	* .5380 *	
	* 1.4464	* 1.3386	* 1.3387	* 1.3388	* 1.2086	* 1.8148	* 3.5840 *	
14	* 1.4496	* 1.4861	* 1.5298	* 1.5910	* .9765	* .5370 *		
	* 1.3376	* 1.3058	* 1.2661	* 1.2162	* 1.9764	* 3.5906 *		
15	* .7113	* .7126	* .6933	* .6590	* F-SUB-Q			
	* 2.7025	* 2.6986	* 2.7750	* 2.9169	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3957	* 1.5540	* 1.4977	* 1.4138	* 1.4245	* 1.3217	* 1.4268	* .6962
	* 1.3702	* 1.2310	* 1.2756	* 1.3455	* 1.3292	* 1.4315	* 1.3232	* 2.6917
9	* 1.5540	* 1.5844	* 1.4545	* 1.5001	* 1.4372	* 1.4309	* 1.4612	* .6919
	* 1.2310	* 1.2071	* 1.3117	* 1.2666	* 1.3197	* 1.3217	* 1.2924	* 2.7095
10	* 1.4979	* 1.4539	* 1.5801	* 1.5602	* 1.5003	* 1.4296	* 1.4971	* .6729
	* 1.2754	* 1.3122	* 1.2049	* 1.2185	* 1.2648	* 1.3226	* 1.2585	* 2.7859
11	* 1.4138	* 1.4993	* 1.5590	* 1.5056	* 1.3438	* 1.4144	* 1.5568	* .6685
	* 1.3454	* 1.2672	* 1.2194	* 1.2623	* 1.4100	* 1.3317	* 1.2083	* 2.8017
12	* 1.4245	* 1.4360	* 1.4991	* 1.3424	* 1.4270	* 1.5713		* .9326
	* 1.3292	* 1.3209	* 1.2658	* 1.4115	* 1.3276	* 1.2029		* 2.0134
13	* 1.3217	* 1.4297	* 1.4271	* 1.4095	* 1.5697	* 1.0254		* .5124
	* 1.4315	* 1.3228	* 1.3250	* 1.3363	* 1.2041	* 1.8383		* 3.6653
14	* 1.4268	* 1.4596	* 1.4914	* 1.5500	* .9293	* .5114		
	* 1.3232	* 1.2937	* 1.2633	* 1.2136	* 2.0204	* 3.6723		
15	* .6972	* .6937	* .6703	* .6283	* F-SUB-Q			
	* 2.6877	* 2.7025	* 2.7970	* 2.9788	* M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3132	* 1.4644	* 1.4036	* 1.3377	* 1.3589	* 1.2561	* 1.3501	* .6781
	* 1.4252	* 1.2781	* 1.3322	* 1.3918	* 1.3640	* 1.4749	* 1.3691	* 2.7097
9	* 1.4644	* 1.4873	* 1.3701	* 1.4152	* 1.3630	* 1.3544	* 1.3789	* .6748
	* 1.2781	* 1.2575	* 1.3601	* 1.3139	* 1.3620	* 1.3662	* 1.3403	* 2.7239
10	* 1.4037	* 1.3694	* 1.4891	* 1.4765	* 1.4123	* 1.3530	* 1.3993	* .6506
	* 1.3321	* 1.3608	* 1.2507	* 1.2594	* 1.3150	* 1.3672	* 1.3178	* 2.8251
11	* 1.3378	* 1.4145	* 1.4754	* 1.4192	* 1.2829	* 1.3234	* 1.4427	* .6314
	* 1.3917	* 1.3145	* 1.2603	* 1.3101	* 1.4451	* 1.3928	* 1.2759	* 2.9084
12	* 1.3589	* 1.3619	* 1.4112	* 1.2816	* 1.3375	* 1.4659		* .8779
	* 1.3640	* 1.3631	* 1.3160	* 1.4466	* 1.3855	* 1.2595		* 2.0948
13	* 1.2561	* 1.3532	* 1.3503	* 1.3186	* 1.4634	* .9640		* .4776
	* 1.4749	* 1.3674	* 1.3699	* 1.3979	* 1.2617	* 1.9146		* 3.8558
14	* 1.3501	* 1.3774	* 1.3936	* 1.4359	* .8747			* .4766
	* 1.3691	* 1.3419	* 1.3232	* 1.2820	* 2.1026			* 3.8635
15	* .6789	* .6763	* .6483	* .5911	* F-SUB-Q			
	* 2.7062	* 2.7176	* 2.8359	* 3.1069	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0860	* 1.2339	* 1.1463	* 1.1331	* 1.3689	* 1.0709	* 1.2653	* .6026 *
	* 1.6953	* 1.4919	* 1.6048	* 1.6135	* 1.3326	* 1.7013	* 1.4357	* 3.0072 *
9	* 1.2339	* 1.4287	* 1.1393	* 1.3319	* 1.1406	* 1.1412	* 1.2829	* .6056 *
	* 1.4919	* 1.2861	* 1.6123	* 1.3725	* 1.6012	* 1.5960	* 1.4160	* 2.9933 *
10	* 1.1464	* 1.1389	* 1.2456	* 1.2605	* 1.2572	* 1.1478	* 1.2777	* .5780 *
	* 1.6047	* 1.6129	* 1.4707	* 1.4500	* 1.4506	* 1.5848	* 1.4213	* 3.1357 *
11	* 1.1332	* 1.3313	* 1.2596	* 1.3197	* 1.1187	* 1.3182	* 1.1853	* .5303 *
	* 1.6134	* 1.3731	* 1.4511	* 1.3834	* 1.6299	* 1.3792	* 1.5295	* 3.4170 *
12	* 1.3689	* 1.1399	* 1.2561	* 1.1177	* 1.1250	* 1.2845	* .7500 *	
	* 1.3326	* 1.6023	* 1.4519	* 1.6313	* 1.6210	* 1.4146	* 2.4170 *	
13	* 1.0709	* 1.1401	* 1.1446	* 1.3156	* 1.2823	* .8131	* .3950 *	
	* 1.7013	* 1.5975	* 1.5893	* 1.3820	* 1.4170	* 2.2362	* 4.6004 *	
14	* 1.2653	* 1.2814	* 1.2743	* 1.1798	* .7471	* .3942 *		
	* 1.4357	* 1.4176	* 1.4251	* 1.5367	* 2.4266	* 4.6098 *		
15	* .6032	* .6067	* .5754	* .5003	* F-SUB-Q			
	* 3.0039	* 2.9879	* 3.1508	* 3.6226	* M-SUB-Q			

AT 100% POWER, 4 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .4987	* .5301	* .4883	* .5089	* .5895	* .4828	* .5083	* .2870 *
	* 3.6521	* 3.4339	* 3.7251	* 3.5503	* 3.0624	* 3.7357	* 3.5404	* 6.2636 *
9	* .5301	* .6036	* .5069	* .5941	* .5100	* .4841	* .5126	* .2737 *
	* 3.4339	* 3.0113	* 3.5836	* 3.0425	* 3.5410	* 3.7219	* 3.5098	* 6.5703 *
10	* .4883	* .5068	* .5342	* .5562	* .5825	* .4975	* .5092	* .2622 *
	* 3.7251	* 3.5843	* 3.3854	* 3.2508	* 3.0975	* 3.6203	* 3.5328	* 6.8588 *
11	* .5089	* .5937	* .5560	* .6026	* .5158	* .5595	* .4839	* .2329 *
	* 3.5504	* 3.0440	* 3.2523	* 2.9969	* 3.4972	* 3.2171	* 3.7133	* 7.7212 *
12	* .5895	* .5096	* .5820	* .5154	* .4812	* .5067	* .3331 *	
	* 3.0624	* 3.5437	* 3.1002	* 3.5001	* 3.7485	* 3.5518	* 5.3961 *	
13	* .4828	* .4836	* .4967	* .5584	* .5058	* .3549	* .1806 *	
	* 3.7357	* 3.7259	* 3.6265	* 3.2238	* 3.5580	* 5.0755	* 9.9823 *	
14	* .5083	* .5120	* .5078	* .4816	* .3318	* .1802 *		
	* 3.5404	* 3.5143	* 3.5427	* 3.7315	* 5.4175	* 10.0066 *		
15	* .2872	* .2745	* .2615	* .2203	* F-SUB-Q			
	* 6.2599	* 6.5510	* 6.8771	* 8.1644	* M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .5097 *	* .5790 *	* .5455 *	* .5541 *	* .6186 *	* .5212 *	* .5116 *	* .3044 *
	* 4.1465 *	* 4.1459 *	* 4.2159 *	* 3.9488 *	* 3.5074 *	* 4.1392 *	* 4.2388 *	* 7.0177 *
9	* .5790 *	* .6399 *	* .5639 *	* .6298 *	* .5480 *	* .5116 *	* .5134 *	* .2916 *
	* 4.1459 *	* 3.7423 *	* 4.0873 *	* 3.5364 *	* 3.9887 *	* 4.2393 *	* 4.2509 *	* 7.3799 *
10	* .5455 *	* .5639 *	* .5743 *	* .5846 *	* .6010 *	* .5192 *	* .5043 *	* .2775 *
	* 4.2158 *	* 4.0873 *	* 4.0352 *	* 3.9571 *	* 3.7537 *	* 4.3283 *	* 4.3606 *	* 7.7463 *
11	* .5541 *	* .6298 *	* .5844 *	* .6224 *	* .5428 *	* .5521 *	* .4722 *	* .2402 *
	* 3.9485 *	* 3.5355 *	* 3.9588 *	* 3.7875 *	* 4.3727 *	* 4.2872 *	* 4.8535 *	* 9.2190 *
12	* .6186 *	* .5481 *	* .6006 *	* .5424 *	* .4692 *	* .4738 *		* .3375 *
	* 3.5074 *	* 3.9883 *	* 3.7564 *	* 4.3763 *	* 4.6758 *	* 4.6923 *		* 6.8879 *
13	* .5212 *	* .5113 *	* .5183 *	* .5507 *	* .4727 *	* .3478 *		* .1938 *
	* 4.1393 *	* 4.2419 *	* 4.3355 *	* 4.2971 *	* 4.7032 *	* 6.2127 *		* 11.6786 *
14	* .5116 *	* .5129 *	* .5025 *	* .4697 *	* .3358 *	* .1933 *		
	* 4.2388 *	* 4.2548 *	* 4.3770 *	* 4.8815 *	* 6.9228 *	* 11.7055 *		
15	* .3046 *	* .2916 *	* .2763 *	* .2289 *	F-SUB-Q			
	* 7.0143 *	* 7.3800 *	* 7.7829 *	* 9.6793 *	M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1796 *	* 1.3238 *	* 1.2609 *	* 1.2298 *	* 1.4127 *	* 1.1577 *	* 1.2628 *	* .6510 *
	* 2.0176 *	* 1.8553 *	* 1.8860 *	* 1.8342 *	* 1.5839 *	* 1.9152 *	* 1.7625 *	* 3.3751 *
9	* 1.3238 *	* 1.4908 *	* 1.2571 *	* 1.3888 *	* 1.2189 *	* 1.1807 *	* 1.2694 *	* .6638 *
	* 1.8553 *	* 1.6492 *	* 1.8716 *	* 1.6544 *	* 1.8437 *	* 1.8891 *	* 1.7487 *	* 3.2992 *
10	* 1.2609 *	* 1.2568 *	* 1.3197 *	* 1.3090 *	* 1.2792 *	* 1.1810 *	* 1.2518 *	* .6352 *
	* 1.8861 *	* 1.8720 *	* 1.7946 *	* 1.8095 *	* 1.8187 *	* 1.9566 *	* 1.8056 *	* 3.4750 *
11	* 1.2297 *	* 1.3887 *	* 1.3085 *	* 1.3498 *	* 1.1910 *	* 1.2943 *	* 1.1365 *	* .5875 *
	* 1.8342 *	* 1.6541 *	* 1.8099 *	* 1.7831 *	* 2.0552 *	* 1.8738 *	* 2.0978 *	* 3.8815 *
12	* 1.4127 *	* 1.2188 *	* 1.2784 *	* 1.1903 *	* 1.1188 *	* 1.2257 *		* .7940 *
	* 1.5839 *	* 1.8439 *	* 1.8200 *	* 2.0567 *	* 2.0520 *	* 1.9069 *		* 3.0019 *
13	* 1.1577 *	* 1.1802 *	* 1.1790 *	* 1.2916 *	* 1.2232 *	* .8430 *		* .4480 *
	* 1.9152 *	* 1.8900 *	* 1.9599 *	* 1.8776 *	* 1.9104 *	* 2.7183 *		* 5.1996 *
14	* 1.2628 *	* 1.2685 *	* 1.2476 *	* 1.1299 *	* .7901 *			* .4469 *
	* 1.7625 *	* 1.7500 *	* 1.8121 *	* 2.1117 *	* 3.0161 *			* 5.2108 *
15	* .6515 *	* .6646 *	* .6324 *	* .5466 *	F-SUB-Q			
	* 3.3722 *	* 3.2977 *	* 3.4905 *	* 4.1742 *	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4677	* 1.5920	* 1.5455	* 1.4725	* 1.4247	* 1.3557	* 1.3618	* .7439 *
	* 1.7145	* 1.5891	* 1.5762	* 1.5872	* 1.6001	* 1.6646	* 1.6479	* 2.9638 *
9	* 1.5920	* 1.5829	* 1.5135	* 1.4831	* 1.4547	* 1.4236	* 1.3777	* .7583 *
	* 1.5891	* 1.5749	* 1.5746	* 1.5874	* 1.5801	* 1.5992	* 1.6381	* 2.9129 *
10	* 1.5456	* 1.5134	* 1.5805	* 1.5456	* 1.4590	* 1.4136	* 1.3700	* .7363 *
	* 1.5762	* 1.5746	* 1.5098	* 1.5485	* 1.6088	* 1.6583	* 1.6789	* 3.0526 *
11	* 1.4725	* 1.4830	* 1.5454	* 1.4722	* 1.3844	* 1.3251	* 1.3908	* .7104 *
	* 1.5873	* 1.5875	* 1.5488	* 1.6415	* 1.8140	* 1.8664	* 1.7496	* 3.2808 *
12	* 1.4247	* 1.4543	* 1.4585	* 1.3837	* 1.3847	* 1.4345		* .9648 *
	* 1.6001	* 1.5803	* 1.6096	* 1.8152	* 1.7509	* 1.6837		* 2.5241 *
13	* 1.3557	* 1.4224	* 1.4116	* 1.3230	* 1.4319	* 1.0431		* .5584 *
	* 1.6646	* 1.5999	* 1.6602	* 1.8688	* 1.6848	* 2.2858		* 4.2745 *
14	* 1.3618	* 1.3760	* 1.3667	* 1.3833	* .9604	* .5570		
	* 1.6479	* 1.6391	* 1.6830	* 1.7610	* 2.5351	* 4.2841		
15	* .7447	* .7606	* .7334	* .6664	* F-SUB-Q			
	* 2.9605	* 2.9045	* 3.0647	* 3.4997	* M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6071	* 1.7521	* 1.6940	* 1.5994	* 1.5473	* 1.4674	* 1.4950	* .7763 *
	* 1.6075	* 1.4802	* 1.4730	* 1.4946	* 1.5065	* 1.5693	* 1.5287	* 2.8890 *
9	* 1.7521	* 1.7494	* 1.6483	* 1.6278	* 1.5807	* 1.5545	* 1.5175	* .7863 *
	* 1.4802	* 1.4542	* 1.4777	* 1.4772	* 1.4931	* 1.4988	* 1.5198	* 2.8675 *
10	* 1.6941	* 1.6482	* 1.7318	* 1.6903	* 1.6068	* 1.5433	* 1.5251	* .7672 *
	* 1.4729	* 1.4776	* 1.4049	* 1.4480	* 1.4936	* 1.5536	* 1.5575	* 3.0053 *
11	* 1.5994	* 1.6280	* 1.6898	* 1.6196	* 1.4876	* 1.4644	* 1.5638	* .7550 *
	* 1.4947	* 1.4773	* 1.4485	* 1.5240	* 1.7168	* 1.7173	* 1.5872	* 3.1584 *
12	* 1.5473	* 1.5801	* 1.6062	* 1.4865	* 1.5282	* 1.6100		* 1.0352 *
	* 1.5065	* 1.4933	* 1.4942	* 1.7181	* 1.6289	* 1.5333		* 2.4079 *
13	* 1.4674	* 1.5534	* 1.5412	* 1.4622	* 1.6091	* 1.1272		* .5987 *
	* 1.5693	* 1.4994	* 1.5559	* 1.7192	* 1.5340	* 2.1741		* 4.0875 *
14	* 1.4950	* 1.5153	* 1.5181	* 1.5555	* 1.0309			* .5974 *
	* 1.5287	* 1.5205	* 1.5612	* 1.5969	* 2.4177			* 4.0964 *
15	* .7773	* .7875	* .7629	* .7065	* F-SUB-Q			
	* 2.8854	* 2.8586	* 3.0158	* 3.3781	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6528	* 1.8072	* 1.7451	* 1.6432	* 1.6058	* 1.5065	* 1.5522	* .7918 *
	* 1.6041	* 1.4717	* 1.4685	* 1.4911	* 1.4861	* 1.5661	* 1.5102	* 2.9061 *
9	* 1.8072	* 1.8184	* 1.6977	* 1.6901	* 1.6294	* 1.5995	* 1.5801	* .8029 *
	* 1.4717	* 1.4389	* 1.4751	* 1.4602	* 1.4849	* 1.4940	* 1.5001	* 2.8793 *
10	* 1.7452	* 1.6975	* 1.7858	* 1.7456	* 1.6698	* 1.5899	* 1.6019	* .7868 *
	* 1.4684	* 1.4751	* 1.3993	* 1.4398	* 1.4725	* 1.5423	* 1.5276	* 3.0032 *
11	* 1.6432	* 1.6899	* 1.7450	* 1.6819	* 1.5361	* 1.5290	* 1.6470	* .7803 *
	* 1.4911	* 1.4604	* 1.4403	* 1.5073	* 1.7080	* 1.6796	* 1.5401	* 3.1199 *
12	* 1.6058	* 1.6288	* 1.6691	* 1.5353	* 1.5907	* 1.6923	* 1.0790 *	
	* 1.4861	* 1.4853	* 1.4732	* 1.7093	* 1.6074	* 1.4982	* 2.3719 *	
13	* 1.5065	* 1.5983	* 1.5879	* 1.5268	* 1.6913	* 1.1714	* .6183 *	
	* 1.5661	* 1.4946	* 1.5446	* 1.6814	* 1.4991	* 2.1509	* 4.0703 *	
14	* 1.5522	* 1.5780	* 1.5950	* 1.6389	* 1.0748	* .6169 *		
	* 1.5102	* 1.5011	* 1.5311	* 1.5489	* 2.3809	* 4.0788 *		
15	* .7928	* .8044	* .7827	* .7316	* F-SUB-Q			
	* 2.9023	* 2.8696	* 3.0129	* 3.3305	* M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6640	* 1.8228	* 1.7591	* 1.6552	* 1.6272	* 1.5183	* 1.5737	* .7990 *
	* 1.6302	* 1.4928	* 1.4928	* 1.5167	* 1.5031	* 1.5895	* 1.5217	* 2.9445 *
9	* 1.8228	* 1.8397	* 1.7110	* 1.7112	* 1.6465	* 1.6106	* 1.6054	* .8121 *
	* 1.4928	* 1.4581	* 1.4983	* 1.4770	* 1.5075	* 1.5200	* 1.5099	* 2.9057 *
10	* 1.7593	* 1.7108	* 1.8025	* 1.7651	* 1.6931	* 1.6073	* 1.6372	* .7966 *
	* 1.4927	* 1.4984	* 1.4188	* 1.4581	* 1.4891	* 1.5622	* 1.5385	* 3.0280 *
11	* 1.6552	* 1.7110	* 1.7644	* 1.7041	* 1.5604	* 1.5561	* 1.6859	* .7953 *
	* 1.5167	* 1.4773	* 1.4587	* 1.5239	* 1.7287	* 1.6897	* 1.5475	* 3.1474 *
12	* 1.6272	* 1.6458	* 1.6923	* 1.5595	* 1.6123	* 1.7280	* 1.1054 *	
	* 1.5031	* 1.5079	* 1.4899	* 1.7298	* 1.6295	* 1.5103	* 2.3778 *	
13	* 1.5183	* 1.6096	* 1.6053	* 1.5539	* 1.7268	* 1.1960	* .6286 *	
	* 1.5895	* 1.5205	* 1.5653	* 1.6932	* 1.5112	* 2.1730	* 4.1288 *	
14	* 1.5737	* 1.6034	* 1.6306	* 1.6780	* 1.1013	* .6273 *		
	* 1.5217	* 1.5108	* 1.5418	* 1.5558	* 2.3865	* 4.1373 *		
15	* .8000	* .8149	* .7933	* .7476	* F-SUB-Q			
	* 2.9409	* 2.8956	* 3.0368	* 3.3504	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6741	* 1.8376	* 1.7727	* 1.6678	* 1.6492	* 1.5313	* 1.5997	* .8013
	* 1.6567	* 1.5128	* 1.5320	* 1.5570	* 1.5339	* 1.6282	* 1.5443	* 3.0263
9	* 1.8376	* 1.8622	* 1.7231	* 1.7342	* 1.6638	* 1.6267	* 1.6340	* .8122
	* 1.5128	* 1.4890	* 1.5385	* 1.5078	* 1.5441	* 1.5525	* 1.5328	* 3.0036
10	* 1.7728	* 1.7228	* 1.8207	* 1.7854	* 1.7181	* 1.6258	* 1.6717	* .7980
	* 1.5319	* 1.5388	* 1.4530	* 1.4916	* 1.5186	* 1.5940	* 1.5615	* 3.1356
11	* 1.6678	* 1.7339	* 1.7847	* 1.7282	* 1.5689	* 1.5846	* 1.7242	* .7957
	* 1.5570	* 1.5082	* 1.4923	* 1.5550	* 1.7474	* 1.7067	* 1.5637	* 3.2588
12	* 1.6492	* 1.6630	* 1.7172	* 1.5680	* 1.6338	* 1.7634	* 1.1074	*
	* 1.5339	* 1.5446	* 1.5195	* 1.7488	* 1.6545	* 1.5224	* 2.4341	*
13	* 1.5313	* 1.6256	* 1.6238	* 1.5824	* 1.7622	* 1.1997	* .6258	*
	* 1.6282	* 1.5529	* 1.5969	* 1.7088	* 1.5234	* 2.2294	* 4.2685	*
14	* 1.5997	* 1.6320	* 1.6652	* 1.7164	* 1.1034	* .6245	*	*
	* 1.5443	* 1.5336	* 1.5647	* 1.5709	* 2.4428	* 4.2769	*	*
15	* .8023	* .8138	* .7943	* .7461	* F-SUB-Q			
	* 3.0225	* 2.9929	* 3.1438	* 3.4742	* M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6679	* 1.8333	* 1.7684	* 1.6638	* 1.6510	* 1.5300	* 1.6053	* .7992
	* 1.7085	* 1.5581	* 1.6026	* 1.6291	* 1.5989	* 1.6986	* 1.6020	* 3.1567
9	* 1.8333	* 1.8615	* 1.7181	* 1.7361	* 1.6641	* 1.6262	* 1.6416	* .8097
	* 1.5581	* 1.5364	* 1.6102	* 1.5727	* 1.6121	* 1.6148	* 1.5901	* 3.1362
10	* 1.7686	* 1.7177	* 1.8202	* 1.7870	* 1.7224	* 1.6274	* 1.6836	* .7959
	* 1.6024	* 1.6106	* 1.5177	* 1.5567	* 1.5814	* 1.6579	* 1.6195	* 3.2769
11	* 1.6638	* 1.7357	* 1.7861	* 1.7312	* 1.5682	* 1.5947	* 1.7386	* .7947
	* 1.6291	* 1.5731	* 1.5575	* 1.6212	* 1.7953	* 1.7378	* 1.5938	* 3.4063
12	* 1.6510	* 1.6632	* 1.7215	* 1.5672	* 1.6367	* 1.7752	* 1.1081	*
	* 1.5989	* 1.6127	* 1.5824	* 1.7967	* 1.6920	* 1.5519	* 2.4938	*
13	* 1.5300	* 1.6251	* 1.6254	* 1.5909	* 1.7734	* 1.2003	* .6228	*
	* 1.6986	* 1.6153	* 1.6608	* 1.7397	* 1.5530	* 2.2896	* 4.3947	*
14	* 1.6053	* 1.6396	* 1.6772	* 1.7310	* 1.1042	* .6216	*	*
	* 1.6020	* 1.5908	* 1.6226	* 1.6009	* 2.5024	* 4.4032	*	*
15	* .8003	* .8114	* .7924	* .7460	* F-SUB-Q			
	* 3.1524	* 3.1248	* 3.2850	* 3.6309	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6612	* 1.8290	* 1.7637	* 1.6595	* 1.6529	* 1.5276	* 1.6110	* .7952 *
	* 1.7889	* 1.6248	* 1.6754	* 1.7189	* 1.6796	* 1.7873	* 1.6750	* 3.3264 *
9	* 1.8290	* 1.8617	* 1.7130	* 1.7384	* 1.6631	* 1.6255	* 1.6487	* .8042 *
	* 1.6248	* 1.5975	* 1.7001	* 1.6535	* 1.6974	* 1.6939	* 1.6628	* 3.3162 *
10	* 1.7639	* 1.7126	* 1.8195	* 1.7878	* 1.7264	* 1.6278	* 1.6929	* .7903 *
	* 1.6753	* 1.7006	* 1.5991	* 1.6343	* 1.6603	* 1.7396	* 1.6919	* 3.4713 *
11	* 1.6595	* 1.7379	* 1.7868	* 1.7343	* 1.5648	* 1.6034	* 1.7502	* .7877 *
	* 1.7189	* 1.6539	* 1.6352	* 1.6866	* 1.8658	* 1.7920	* 1.6366	* 3.5976 *
12	* 1.6529	* 1.6621	* 1.7255	* 1.5634	* 1.6386	* 1.7848	* 1.0995	* .7844 *
	* 1.6796	* 1.6980	* 1.6613	* 1.8674	* 1.7598	* 1.6039	* 2.6074	* .6158 *
13	* 1.5276	* 1.6244	* 1.6259	* 1.5980	* 1.7829	* 1.1930	* .6158	* .6158 *
	* 1.7873	* 1.6943	* 1.7426	* 1.7981	* 1.6051	* 2.3928	* 4.6060	* 4.6060 *
14	* 1.6110	* 1.6467	* 1.6866	* 1.7426	* 1.0957	* .6146	* .6146	* .6146 *
	* 1.6750	* 1.6635	* 1.6965	* 1.6439	* 2.6163	* 4.6147	* 4.6147	* 4.6147 *
15	* .7964	* .8059	* .7869	* .7416	F-SUB-Q			
	* 3.3217	* 3.3067	* 3.4793	* 3.8217	M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6275	* 1.7927	* 1.7297	* 1.6267	* 1.6181	* 1.4996	* 1.5781	* .7878 *
	* 1.8985	* 1.7197	* 1.7748	* 1.8591	* 1.8171	* 1.9267	* 1.8068	* 3.5440 *
9	* 1.7927	* 1.8198	* 1.6797	* 1.7007	* 1.6321	* 1.5960	* 1.6167	* .7988 *
	* 1.7197	* 1.6920	* 1.8264	* 1.7875	* 1.8328	* 1.8230	* 1.7929	* 3.5083 *
10	* 1.7299	* 1.6793	* 1.7859	* 1.7553	* 1.6897	* 1.5987	* 1.6625	* .7844 *
	* 1.7746	* 1.8268	* 1.7046	* 1.7319	* 1.7914	* 1.8687	* 1.7864	* 3.6652 *
11	* 1.6268	* 1.7002	* 1.7543	* 1.6982	* 1.5483	* 1.5745	* 1.7185	* .7888 *
	* 1.8591	* 1.7880	* 1.7329	* 1.7905	* 1.9603	* 1.8906	* 1.7269	* 3.7280 *
12	* 1.6181	* 1.6311	* 1.6887	* 1.5473	* 1.6101	* 1.7523	* 1.1036	* .7844 *
	* 1.8171	* 1.8334	* 1.7925	* 1.9616	* 1.8747	* 1.7104	* 2.7038	* 2.7038 *
13	* 1.4996	* 1.5949	* 1.5968	* 1.5693	* 1.7497	* 1.1946	* .6167	* .6167 *
	* 1.9267	* 1.8233	* 1.8719	* 1.8969	* 1.7130	* 2.5039	* 4.8098	* 4.8098 *
14	* 1.5781	* 1.6149	* 1.6564	* 1.7111	* 1.0998	* .6155	* .6155	* .6155 *
	* 1.8067	* 1.7936	* 1.7930	* 1.7343	* 2.7130	* 4.8184	* 4.8184	* 4.8184 *
15	* .7889	* .8019	* .7827	* .7432	F-SUB-Q			
	* 3.5394	* 3.4948	* 3.6730	* 3.9571	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6218	* 1.7904	* 1.7265	* 1.6240	* 1.6238	* 1.4979	* 1.5895	* .7798 *
	* 1.9936	* 1.8023	* 1.8637	* 1.9662	* 1.9247	* 2.0494	* 1.9032	* 3.7935 *
9	* 1.7904	* 1.8259	* 1.6760	* 1.7082	* 1.6326	* 1.5989	* 1.6287	* .7865 *
	* 1.8023	* 1.7654	* 1.9185	* 1.8668	* 1.9395	* 1.9315	* 1.8893	* 3.7923 *
10	* 1.7267	* 1.6755	* 1.7872	* 1.7583	* 1.6991	* 1.6003	* 1.6758	* .7727 *
	* 1.8635	* 1.9191	* 1.7867	* 1.8128	* 1.8678	* 1.9514	* 1.8533	* 3.9647 *
11	* 1.6240	* 1.7076	* 1.7572	* 1.7059	* 1.5342	* 1.5869	* 1.7349	* .7714 *
	* 1.9662	* 1.8675	* 1.8139	* 1.8677	* 2.0603	* 1.9608	* 1.7881	* 3.9850 *
12	* 1.6238	* 1.6315	* 1.6980	* 1.5328	* 1.6125	* 1.7657	* 1.0792	*
	* 1.9247	* 1.9407	* 1.8690	* 2.0621	* 1.9501	* 1.7673	* 2.8817	*
13	* 1.4979	* 1.5976	* 1.5983	* 1.5816	* 1.7636	* 1.1734	* .6008	*
	* 2.0494	* 1.9317	* 1.9547	* 1.9671	* 1.7699	* 2.6590	* 5.1333	*
14	* 1.5895	* 1.6269	* 1.6697	* 1.7276	* 1.0756	* .5997	*	*
	* 1.9032	* 1.8899	* 1.8599	* 1.7955	* 2.8912	* 5.1427	*	*
15	* .7809	* .7883	* .7696	* .7251	* F-SUB-Q			
	* 3.7881	* 3.7803	* 3.9780	* 4.2381	* M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5972	* 1.7653	* 1.7022	* 1.6010	* 1.6042	* 1.4782	* 1.5733	* .7695 *
	* 2.0382	* 1.8396	* 1.8972	* 2.0047	* 1.9919	* 2.1590	* 2.0282	* 4.0776 *
9	* 1.7653	* 1.8022	* 1.6519	* 1.6878	* 1.6121	* 1.5808	* 1.6132	* .7755 *
	* 1.8396	* 1.7982	* 1.9522	* 1.9036	* 1.9904	* 2.0289	* 1.9876	* 4.0788 *
10	* 1.7024	* 1.6513	* 1.7649	* 1.7376	* 1.6805	* 1.5808	* 1.6619	* .7618 *
	* 1.8970	* 1.9528	* 1.8262	* 1.8548	* 1.9110	* 2.0339	* 1.9402	* 4.1924 *
11	* 1.6010	* 1.6872	* 1.7365	* 1.6861	* 1.5138	* 1.5729	* 1.7214	* .7615 *
	* 2.0047	* 1.9043	* 1.8560	* 1.9106	* 2.1331	* 2.0513	* 1.8754	* 4.2075 *
12	* 1.6042	* 1.6110	* 1.6795	* 1.5124	* 1.5934	* 1.7499	* 1.0666	*
	* 1.9919	* 1.9918	* 1.9122	* 2.1347	* 2.0495	* 1.8629	* 3.0349	*
13	* 1.4782	* 1.5796	* 1.5789	* 1.5678	* 1.7477	* 1.1601	* .5918	*
	* 2.1590	* 2.0304	* 2.0366	* 2.0579	* 1.8657	* 2.8155	* 5.4593	*
14	* 1.5733	* 1.6114	* 1.6559	* 1.7143	* 1.0631	* .5907	*	*
	* 2.0282	* 1.9896	* 1.9471	* 1.8832	* 3.0450	* 5.4690	*	*
15	* .7706	* .7774	* .7588	* .7158	* F-SUB-Q			
	* 4.0717	* 4.0645	* 4.2086	* 4.4792	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5571	* 1.7217	* 1.6611	* 1.5616	* 1.5632	* 1.4434	* 1.5346	* .7571 *
	* 2.0334	* 1.8349	* 1.8906	* 1.9980	* 1.9873	* 2.1472	* 2.0191	* 4.0547 *
9	* 1.7217	* 1.7541	* 1.6114	* 1.6439	* 1.5740	* 1.5463	* 1.5749	* .7638 *
	* 1.8349	* 1.7970	* 1.9465	* 1.9005	* 1.9823	* 2.0172	* 1.9802	* 4.0260 *
10	* 1.6613	* 1.6109	* 1.7237	* 1.6972	* 1.6373	* 1.5462	* 1.6243	* .7503 *
	* 1.8904	* 1.9471	* 1.8186	* 1.8470	* 1.9074	* 2.0223	* 1.9320	* 4.1331 *
11	* 1.5616	* 1.6432	* 1.6960	* 1.6434	* 1.4875	* 1.5372	* 1.6825	* .7553 *
	* 1.9980	* 1.9013	* 1.8482	* 1.9068	* 2.1109	* 2.0432	* 1.8679	* 4.1254 *
12	* 1.5632	* 1.5729	* 1.6362	* 1.4864	* 1.5574	* 1.7096	* 1.0597	*
	* 1.9873	* 1.9837	* 1.9087	* 2.1125	* 2.0430	* 1.8580	* 2.9742	*
13	* 1.4434	* 1.5451	* 1.5436	* 1.5322	* 1.7070	* 1.1503	* .5868	*
	* 2.1472	* 2.0187	* 2.0254	* 2.0497	* 1.8609	* 2.7671	* 5.3821	*
14	* 1.5346	* 1.5732	* 1.6186	* 1.6756	* 1.0562	* .5858	*	*
	* 2.0191	* 1.9822	* 1.9388	* 1.8755	* 2.9840	* 5.3921	*	*
15	* .7582	* .7668	* .7485	* .7120	* F-SUB-Q			
	* 4.0490	* 4.0103	* 4.1411	* 4.3756	* M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5395	* 1.7060	* 1.6452	* 1.5467	* 1.5557	* 1.4305	* 1.5334	* .7438 *
	* 1.9960	* 1.7954	* 1.8426	* 1.9370	* 1.9129	* 2.0737	* 1.9310	* 3.8980 *
9	* 1.7060	* 1.7460	* 1.5959	* 1.6373	* 1.5620	* 1.5370	* 1.5739	* .7472 *
	* 1.7954	* 1.7480	* 1.8940	* 1.8347	* 1.9178	* 1.9449	* 1.8952	* 3.8920 *
10	* 1.6454	* 1.5953	* 1.7110	* 1.6862	* 1.6315	* 1.5382	* 1.6244	* .7336 *
	* 1.8424	* 1.8948	* 1.7666	* 1.7927	* 1.8394	* 1.9507	* 1.8530	* 3.9910 *
11	* 1.5468	* 1.6365	* 1.6871	* 1.6372	* 1.4636	* 1.5369	* 1.6851	* .7333 *
	* 1.9369	* 1.8355	* 1.7917	* 1.8443	* 2.0663	* 1.9620	* 1.7935	* 4.0168 *
12	* 1.5557	* 1.5608	* 1.6304	* 1.4622	* 1.5466	* 1.7088	* 1.0291	*
	* 1.9129	* 1.9192	* 1.8406	* 2.0678	* 1.9891	* 1.7914	* 2.9208	*
13	* 1.4305	* 1.5358	* 1.5356	* 1.5320	* 1.7064	* 1.1214	* .5674	*
	* 2.0737	* 1.9460	* 1.9538	* 1.9678	* 1.7940	* 2.7179	* 5.2646	*
14	* 1.5334	* 1.5722	* 1.6187	* 1.6783	* 1.0257	* .5664	*	*
	* 1.9310	* 1.8967	* 1.8591	* 1.8002	* 2.9301	* 5.2737	*	*
15	* .7449	* .7491	* .7309	* .6908	* F-SUB-Q			
	* 3.8922	* 3.8819	* 4.0049	* 4.2678	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5087	* 1.6740	* 1.6143	* 1.5174	* 1.5299	* 1.4045	* 1.5120	* .7291 *
	* 1.8518	* 1.6632	* 1.7081	* 1.7962	* 1.7684	* 1.9207	* 1.7811	* 3.6142 *
9	* 1.6740	* 1.7163	* 1.5658	* 1.6107	* 1.5349	* 1.5126	* 1.5528	* .7313 *
	* 1.6632	* 1.6155	* 1.7561	* 1.6946	* 1.7727	* 1.7957	* 1.7461	* 3.6193 *
10	* 1.6145	* 1.5652	* 1.6815	* 1.6601	* 1.6067	* 1.5146	* 1.6044	* .7176 *
	* 1.7079	* 1.7568	* 1.6349	* 1.6539	* 1.6956	* 1.7979	* 1.6995	* 3.7095 *
11	* 1.5175	* 1.6099	* 1.6587	* 1.6112	* 1.4364	* 1.5177	* 1.6662	* .7169 *
	* 1.7961	* 1.6954	* 1.6551	* 1.6997	* 1.9070	* 1.7984	* 1.6411	* 3.7274 *
12	* 1.5299	* 1.5336	* 1.6055	* 1.4350	* 1.5206	* 1.6865	* 1.0072	*
	* 1.7684	* 1.7740	* 1.6968	* 1.9088	* 1.8317	* 1.6433	* 2.7003	*
13	* 1.4045	* 1.5115	* 1.5121	* 1.5129	* 1.6840	* 1.0982	* .5530	*
	* 1.9207	* 1.7967	* 1.8007	* 1.8037	* 1.6458	* 2.5144	* 4.8942	*
14	* 1.5120	* 1.5512	* 1.5988	* 1.6595	* 1.0040	* .5520	*	*
	* 1.7811	* 1.7475	* 1.7050	* 1.6472	* 2.7087	* 4.9026	*	*
15	* .7302	* .7332	* .7150	* .6765	F-SUB-Q			
	* 3.6088	* 3.6097	* 3.7222	* 3.9490	M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4730	* 1.6360	* 1.5780	* 1.4828	* 1.4966	* 1.3734	* 1.4810	* .7140 *
	* 1.7341	* 1.5560	* 1.5997	* 1.6848	* 1.6534	* 1.7948	* 1.6626	* 3.3799 *
9	* 1.6360	* 1.6781	* 1.5300	* 1.5753	* 1.5012	* 1.4812	* 1.5216	* .7156 *
	* 1.5560	* 1.5115	* 1.6459	* 1.5871	* 1.6611	* 1.6801	* 1.6335	* 3.3834 *
10	* 1.5782	* 1.5293	* 1.6450	* 1.6247	* 1.5719	* 1.4838	* 1.5730	* .7021 *
	* 1.5995	* 1.6465	* 1.5296	* 1.5463	* 1.5880	* 1.6812	* 1.5854	* 3.4793 *
11	* 1.4829	* 1.5744	* 1.6234	* 1.5764	* 1.4036	* 1.4878	* 1.6342	* .7026 *
	* 1.6847	* 1.5879	* 1.5476	* 1.5903	* 1.7842	* 1.6770	* 1.5285	* 3.4841 *
12	* 1.4966	* 1.4999	* 1.5706	* 1.4021	* 1.4879	* 1.6531	* .9879	*
	* 1.6534	* 1.6624	* 1.5891	* 1.7859	* 1.7080	* 1.5285	* 2.5135	*
13	* 1.3734	* 1.4801	* 1.4813	* 1.4831	* 1.6505	* 1.0773	* .5414	*
	* 1.7948	* 1.6810	* 1.6838	* 1.6820	* 1.5308	* 2.3366	* 4.5633	*
14	* 1.4810	* 1.5201	* 1.5676	* 1.6277	* .9848	* .5404	*	*
	* 1.6626	* 1.6348	* 1.5906	* 1.5343	* 2.5213	* 4.5712	*	*
15	* .7151	* .7175	* .6996	* .6625	F-SUB-Q			
	* 3.3749	* 3.3743	* 3.4912	* 3.6943	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4283	* 1.5867	* 1.5311	* 1.4381	* 1.4501	* 1.3328	* 1.4356	* .6980
	* 1.7137	* 1.5384	* 1.5815	* 1.6615	* 1.6341	* 1.7726	* 1.6446	* 3.3210
9	* 1.5867	* 1.6244	* 1.4834	* 1.5257	* 1.4569	* 1.4388	* 1.4757	* .7005
	* 1.5384	* 1.4980	* 1.6261	* 1.5694	* 1.6376	* 1.6536	* 1.6106	* 3.3134
10	* 1.5313	* 1.4828	* 1.5969	* 1.5753	* 1.5230	* 1.4416	* 1.5267	* .6873
	* 1.5813	* 1.6271	* 1.5101	* 1.5292	* 1.5698	* 1.6572	* 1.5671	* 3.3965
11	* 1.4381	* 1.5249	* 1.5740	* 1.5274	* 1.3695	* 1.4437	* 1.5862	* .6929
	* 1.6613	* 1.5702	* 1.5303	* 1.5747	* 1.7524	* 1.6578	* 1.5097	* 3.3918
12	* 1.4501	* 1.4556	* 1.5218	* 1.3683	* 1.4441	* 1.6036		* .9756
	* 1.6341	* 1.6389	* 1.5710	* 1.7539	* 1.6843	* 1.5077		* 2.4400
13	* 1.3328	* 1.4378	* 1.4391	* 1.4391	* 1.6010	* 1.0609		* .5338
	* 1.7726	* 1.6546	* 1.6599	* 1.6628	* 1.5100	* 2.2699		* 4.4395
14	* 1.4356	* 1.4742	* 1.5214	* 1.5799	* .9726	* .5328		
	* 1.6445	* 1.6119	* 1.5722	* 1.5154	* 2.4475	* 4.4473		
15	* .6990	* .7032	* .6859	* .6538	F-SUB-Q			
	* 3.3161	* 3.3001	* 3.4020	* 3.5937	M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4058	* 1.5653	* 1.5092	* 1.4173	* 1.4363	* 1.3140	* 1.4269	* .6815
	* 1.6049	* 1.4416	* 1.4855	* 1.5648	* 1.5335	* 1.6721	* 1.5392	* 3.1692
9	* 1.5653	* 1.6104	* 1.4631	* 1.5129	* 1.4380	* 1.4218	* 1.4663	* .6809
	* 1.4416	* 1.3987	* 1.5288	* 1.4675	* 1.5394	* 1.5531	* 1.5048	* 3.1773
10	* 1.5094	* 1.4625	* 1.5773	* 1.5592	* 1.5116	* 1.4250	* 1.5162	* .6668
	* 1.4853	* 1.5294	* 1.4156	* 1.4299	* 1.4666	* 1.5532	* 1.4598	* 3.2567
11	* 1.4174	* 1.5121	* 1.5578	* 1.5147	* 1.3412	* 1.4334	* 1.5775	* .6663
	* 1.5647	* 1.4683	* 1.4311	* 1.4704	* 1.6589	* 1.5450	* 1.4039	* 3.2660
12	* 1.4363	* 1.4367	* 1.5104	* 1.3398	* 1.4251	* 1.5917		* .9382
	* 1.5335	* 1.5408	* 1.4677	* 1.6606	* 1.5770	* 1.4073		* 2.3537
13	* 1.3140	* 1.4208	* 1.4226	* 1.4289	* 1.5892	* 1.0246		* .5113
	* 1.6721	* 1.5540	* 1.5557	* 1.5497	* 1.4095	* 2.1780		* 4.3041
14	* 1.4269	* 1.4648	* 1.5110	* 1.5712	* .9352	* .5104		
	* 1.5392	* 1.5061	* 1.4647	* 1.4093	* 2.3611	* 4.3117		
15	* .6825	* .6828	* .6645	* .6293	F-SUB-Q			
	* 3.1644	* 3.1686	* 3.2678	* 3.4569	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3691	* 1.5262	* 1.4710	* 1.3808	* 1.3995	* 1.2808	* 1.3929	* .6642 *
	* 1.5360	* 1.3807	* 1.4270	* 1.5068	* 1.4775	* 1.6111	* 1.4811	* 3.0597 *
9	* 1.5262	* 1.5703	* 1.4260	* 1.4753	* 1.4014	* 1.3875	* 1.4311	* .6624 *
	* 1.3807	* 1.3412	* 1.4694	* 1.4107	* 1.4813	* 1.4925	* 1.4462	* 3.0716 *
10	* 1.4712	* 1.4254	* 1.5395	* 1.5217	* 1.4742	* 1.3900	* 1.4776	* .6479 *
	* 1.4269	* 1.4700	* 1.3581	* 1.3714	* 1.4097	* 1.4916	* 1.4004	* 3.1461 *
11	* 1.3809	* 1.4744	* 1.5204	* 1.4775	* 1.3058	* 1.3964	* 1.5377	* .6469 *
	* 1.5067	* 1.4115	* 1.3726	* 1.4113	* 1.5921	* 1.4816	* 1.3446	* 3.1517 *
12	* 1.3995	* 1.4001	* 1.4729	* 1.3044	* 1.3885	* 1.5506	* .9108 *	
	* 1.4775	* 1.4826	* 1.4108	* 1.5938	* 1.5046	* 1.3446	* 2.2609 *	
13	* 1.2808	* 1.3865	* 1.3875	* 1.3919	* 1.5487	* .9963	* .4959 *	
	* 1.6111	* 1.4935	* 1.4942	* 1.4863	* 1.3467	* 2.0850	* 4.1394 *	
14	* 1.3930	* 1.4296	* 1.4724	* 1.5314	* .9078	* .4950 *		
	* 1.4811	* 1.4476	* 1.4053	* 1.3500	* 2.2681	* 4.1468 *		
15	* .6652	* .6642	* .6456	* .6107	* F-SUB-Q			
	* 3.0551	* 3.0633	* 3.1571	* 3.3351	* M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3153	* 1.4655	* 1.4129	* 1.3258	* 1.3353	* 1.2315	* 1.3293	* .6458 *
	* 1.5117	* 1.3596	* 1.4066	* 1.4876	* 1.4685	* 1.5894	* 1.4720	* 2.9900 *
9	* 1.4655	* 1.4983	* 1.3685	* 1.4076	* 1.3442	* 1.3331	* 1.3649	* .6453 *
	* 1.3596	* 1.3300	* 1.4498	* 1.4005	* 1.4630	* 1.4718	* 1.4365	* 2.9940 *
10	* 1.4131	* 1.3679	* 1.4796	* 1.4593	* 1.4053	* 1.3337	* 1.4046	* .6314 *
	* 1.4064	* 1.4505	* 1.3372	* 1.3530	* 1.4007	* 1.4715	* 1.3929	* 3.0638 *
11	* 1.3259	* 1.4068	* 1.4582	* 1.4111	* 1.2603	* 1.3269	* 1.4594	* .6337 *
	* 1.4876	* 1.4013	* 1.3540	* 1.3987	* 1.5603	* 1.4736	* 1.3381	* 3.0486 *
12	* 1.3353	* 1.3430	* 1.4041	* 1.2592	* 1.3313	* 1.4743	* .8914 *	
	* 1.4685	* 1.4643	* 1.4018	* 1.5617	* 1.4797	* 1.3335	* 2.1821 *	
13	* 1.2315	* 1.3323	* 1.3313	* 1.3225	* 1.4727	* .9744	* .4868 *	
	* 1.5894	* 1.4728	* 1.4741	* 1.4784	* 1.3357	* 2.0100	* 3.9839 *	
14	* 1.3293	* 1.3634	* 1.3994	* 1.4532	* .8884	* .4859 *		
	* 1.4720	* 1.4379	* 1.3980	* 1.3437	* 2.1894	* 3.9913 *		
15	* .6467	* .6480	* .6302	* .5976	* F-SUB-Q			
	* 2.9860	* 2.9819	* 3.0695	* 3.2325	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2758	* 1.4229	* 1.3699	* 1.2877	* 1.2943	* 1.1982	* 1.2940	* .6266 *
	* 1.4897	* 1.3381	* 1.3872	* 1.4656	* 1.4501	* 1.5636	* 1.4474	* 2.9550 *
9	* 1.4229	* 1.4516	* 1.3281	* 1.3656	* 1.3061	* 1.2982	* 1.3258	* .6228 *
	* 1.3381	* 1.3123	* 1.4274	* 1.3806	* 1.4401	* 1.4453	* 1.4144	* 2.9751 *
10	* 1.3701	* 1.3276	* 1.4404	* 1.4202	* 1.3642	* 1.2966	* 1.3545	* .6052 *
	* 1.3871	* 1.4280	* 1.3126	* 1.3283	* 1.3801	* 1.4472	* 1.3802	* 3.0621 *
11	* 1.2877	* 1.3649	* 1.4191	* 1.3704	* 1.2186	* 1.2789	* 1.4062	* .6002 *
	* 1.4655	* 1.3813	* 1.3293	* 1.3766	* 1.5418	* 1.4605	* 1.3259	* 3.0825 *
12	* 1.2943	* 1.3049	* 1.3631	* 1.2172	* 1.2929	* 1.4227	* .8397 *	
	* 1.4501	* 1.4413	* 1.3812	* 1.5434	* 1.4539	* 1.3196	* 2.2138 *	
13	* 1.1982	* 1.2971	* 1.2943	* 1.2745	* 1.4212	* .9254	* .4591 *	
	* 1.5636	* 1.4466	* 1.4497	* 1.4656	* 1.3210	* 2.0203	* 4.0408 *	
14	* 1.2940	* 1.3242	* 1.3492	* 1.4000	* .8368	* .4582 *		
	* 1.4474	* 1.4159	* 1.3855	* 1.3318	* 2.2216	* 4.0486 *		
15	* .6276	* .6244	* .6028	* .5635	F-SUB-Q			
	* 2.9506	* 2.9675	* 3.0744	* 3.2791	M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1868	* 1.3255	* 1.2693	* 1.2045	* 1.2209	* 1.1264	* 1.2110	* .6044 *
	* 1.5448	* 1.3851	* 1.4446	* 1.5114	* 1.4834	* 1.6062	* 1.4931	* 2.9644 *
9	* 1.3255	* 1.3469	* 1.2376	* 1.2738	* 1.2248	* 1.2150	* 1.2372	* .6015 *
	* 1.3851	* 1.3632	* 1.4767	* 1.4278	* 1.4814	* 1.4897	* 1.4624	* 2.9803 *
10	* 1.2694	* 1.2371	* 1.3416	* 1.3284	* 1.2698	* 1.2132	* 1.2522	* .5795 *
	* 1.4445	* 1.4774	* 1.3585	* 1.3688	* 1.4303	* 1.4915	* 1.4402	* 3.0935 *
11	* 1.2045	* 1.2731	* 1.3274	* 1.2772	* 1.1505	* 1.1836	* 1.2888	* .5616 *
	* 1.5114	* 1.4284	* 1.3698	* 1.4243	* 1.5745	* 1.5222	* 1.3953	* 3.1876 *
12	* 1.2209	* 1.2238	* 1.2688	* 1.1493	* 1.1982	* 1.3119	* .7826 *	
	* 1.4834	* 1.4827	* 1.4314	* 1.5762	* 1.5119	* 1.3769	* 2.2940 *	
13	* 1.1264	* 1.2139	* 1.2108	* 1.1800	* 1.3096	* .8613	* .4240 *	
	* 1.6062	* 1.4910	* 1.4945	* 1.5278	* 1.3793	* 2.0958	* 4.2323 *	
14	* 1.2110	* 1.2356	* 1.2471	* 1.2827	* .7797	* .4232 *		
	* 1.4931	* 1.4641	* 1.4461	* 1.4020	* 2.3025	* 4.2407 *		
15	* .6051	* .6029	* .5778	* .5257	F-SUB-Q			
	* 2.9605	* 2.9735	* 3.1043	* 3.4053	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9698	* 1.1034	* 1.0239	* 1.0064	* 1.2155	* .9495	* 1.1211	* .5317
	* 1.8367	* 1.6162	* 1.7395	* 1.7524	* 1.4481	* 1.8511	* 1.5656	* 3.2861
9	* 1.1034	* 1.2781	* 1.0167	* 1.1846	* 1.0124	* 1.0117	* 1.1368	* .5344
	* 1.6162	* 1.3936	* 1.7483	* 1.4903	* 1.7403	* 1.7394	* 1.5446	* 3.2713
10	* 1.0239	* 1.0164	* 1.1085	* 1.1199	* 1.1159	* 1.0162	* 1.1317	* .5097
	* 1.7394	* 1.7489	* 1.5968	* 1.5756	* 1.5782	* 1.7288	* 1.5511	* 3.4293
11	* 1.0065	* 1.1840	* 1.1191	* 1.1723	* .9923	* 1.1669	* 1.0469	* .4671
	* 1.7523	* 1.4910	* 1.5767	* 1.5039	* 1.7735	* 1.5042	* 1.6711	* 3.7398
12	* 1.2155	* 1.0117	* 1.1148	* .9914	* .9962	* 1.1363	* .6616	*
	* 1.4481	* 1.7414	* 1.5796	* 1.7750	* 1.7675	* 1.5450	* 2.6433	*
13	* .9495	* 1.0107	* 1.0133	* 1.1646	* 1.1343	* .7186	* .3473	*
	* 1.8511	* 1.7411	* 1.7337	* 1.5072	* 1.5477	* 2.4451	* 5.0410	*
14	* 1.1211	* 1.1355	* 1.1287	* 1.0420	* .6591	* .3466	*	*
	* 1.5656	* 1.5464	* 1.5553	* 1.6791	* 2.6538	* 5.0514	*	*
15	* .5323	* .5353	* .5077	* .4405	F-SUB-Q			
	* 3.2825	* 3.2655	* 3.4451	* 3.9650	M-SUB-Q			

AT 75% POWER, 4 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .4380	* .4657	* .4284	* .4445	* .5142	* .4211	* .4425	* .2494
	* 3.9612	* 3.7249	* 4.0430	* 3.8609	* 3.3323	* 4.0689	* 3.8652	* 6.8473
9	* .4657	* .5299	* .4448	* .5187	* .4453	* .4218	* .4462	* .2379
	* 3.7249	* 3.2672	* 3.8893	* 3.3089	* 3.8528	* 4.0614	* 3.8329	* 7.1826
10	* .4284	* .4447	* .4670	* .4857	* .5078	* .4334	* .4430	* .2278
	* 4.0430	* 3.8900	* 3.6818	* 3.5365	* 3.3739	* 3.9491	* 3.8596	* 7.5014
11	* .4445	* .5184	* .4855	* .5256	* .4499	* .4867	* .4204	* .2021
	* 3.8610	* 3.3107	* 3.5382	* 3.2620	* 3.8090	* 3.5126	* 4.0604	* 8.4520
12	* .5142	* .4450	* .5073	* .4495	* .4190	* .4404	* .2893	*
	* 3.3323	* 3.8558	* 3.3769	* 3.8122	* 4.0908	* 3.8828	* 5.9036	*
13	* .4211	* .4214	* .4327	* .4857	* .4396	* .3085	* .1565	*
	* 4.0689	* 4.0658	* 3.9560	* 3.5199	* 3.8896	* 5.5528	* 10.9372	*
14	* .4425	* .4457	* .4418	* .4187	* .2882	* .1561	*	*
	* 3.8652	* 3.8380	* 3.8705	* 4.0804	* 5.9271	* 10.9640	*	*
15	* .2496	* .2386	* .2272	* .1911	F-SUB-Q			
	* 6.8433	* 7.1616	* 7.5215	* 8.9372	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .5435 *	* .6155 *	* .5805 *	* .5837 *	* .6536 *	* .5467 *	* .5387 *	* .3137 *
	* 4.6961 *	* 4.6990 *	* 4.9268 *	* 4.6322 *	* 4.0930 *	* 4.8685 *	* 4.9451 *	* 8.3900 *
9	* .6155 *	* .6845 *	* .5983 *	* .6671 *	* .5760 *	* .5385 *	* .5410 *	* .3005 *
	* 4.6991 *	* 4.2678 *	* 4.7902 *	* 4.1299 *	* 4.6842 *	* 4.9730 *	* 4.9586 *	* 8.8271 *
10	* .5805 *	* .5983 *	* .6099 *	* .6196 *	* .6346 *	* .5454 *	* .5319 *	* .2860 *
	* 4.9267 *	* 4.7902 *	* 4.6781 *	* 4.6340 *	* 4.3979 *	* 5.1044 *	* 5.1213 *	* 9.3269 *
11	* .5837 *	* .6670 *	* .6193 *	* .6577 *	* .5701 *	* .5827 *	* .4974 *	* .2471 *
	* 4.6325 *	* 4.1289 *	* 4.6362 *	* 4.4443 *	* 5.0899 *	* 4.8764 *	* 5.7311 *	* 11.1575 *
12	* .6536 *	* .5760 *	* .6342 *	* .5696 *	* .4932 *	* .5012 *	* .3507 *	
	* 4.0930 *	* 4.6837 *	* 4.4014 *	* 5.0938 *	* 5.3190 *	* 5.3130 *	* 7.9443 *	
13	* .5467 *	* .5382 *	* .5446 *	* .5812 *	* .5000 *	* .3627 *	* .1984 *	
	* 4.8686 *	* 4.9762 *	* 5.1136 *	* 4.8884 *	* 5.3261 *	* 7.1326 *	* 13.6367 *	
14	* .5387 *	* .5405 *	* .5299 *	* .4947 *	* .3488 *	* .1979 *		
	* 4.9451 *	* 4.9633 *	* 5.1418 *	* 5.7661 *	* 7.9862 *	* 13.6692 *		
15	* .3138 *	* .3005 *	* .2847 *	* .2353 *	F-SUB-Q			
	* 8.3859 *	* 8.8270 *	* 9.3724 *	* 11.7260 *	M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2961 *	* 1.4626 *	* 1.3860 *	* 1.3360 *	* 1.5372 *	* 1.2497 *	* 1.3675 *	* .6866 *
	* 2.2412 *	* 2.0526 *	* 2.1495 *	* 2.0981 *	* 1.8065 *	* 2.2024 *	* 2.0215 *	* 3.9731 *
9	* 1.4626 *	* 1.6473 *	* 1.3777 *	* 1.5150 *	* 1.3228 *	* 1.2812 *	* 1.3761 *	* .7006 *
	* 2.0526 *	* 1.8423 *	* 2.1352 *	* 1.8900 *	* 2.1114 *	* 2.1634 *	* 2.0052 *	* 3.8967 *
10	* 1.3860 *	* 1.3774 *	* 1.4481 *	* 1.4313 *	* 1.3905 *	* 1.2777 *	* 1.3581 *	* .6704 *
	* 2.1495 *	* 2.1357 *	* 2.0385 *	* 2.0621 *	* 2.0856 *	* 2.2468 *	* 2.0757 *	* 4.1122 *
11	* 1.3359 *	* 1.5148 *	* 1.4307 *	* 1.4685 *	* 1.2878 *	* 1.4049 *	* 1.2315 *	* .6192 *
	* 2.0982 *	* 1.8896 *	* 2.0627 *	* 2.0479 *	* 2.3327 *	* 2.0965 *	* 2.4007 *	* 4.6156 *
12	* 1.5372 *	* 1.3227 *	* 1.3895 *	* 1.2870 *	* 1.2154 *	* 1.3340 *	* .8473 *	
	* 1.8065 *	* 2.1116 *	* 2.0874 *	* 2.3343 *	* 2.2913 *	* 2.1210 *	* 3.4088 *	
13	* 1.2497 *	* 1.2805 *	* 1.2755 *	* 1.4015 *	* 1.3311 *	* .9038 *	* .4691 *	
	* 2.2024 *	* 2.1646 *	* 2.2511 *	* 2.1012 *	* 2.1253 *	* 3.0700 *	* 6.0034 *	
14	* 1.3675 *	* 1.3751 *	* 1.3532 *	* .8429 *	* 1.2239 *	* .4680 *		
	* 2.0215 *	* 2.0069 *	* 2.0838 *	* 2.4154 *	* 3.4258 *	* 6.0171 *		
15	* .6872 *	* .7014 *	* .6673 *	* .5752 *	F-SUB-Q			
	* 3.9697 *	* 3.8948 *	* 4.1313 *	* 4.9716 *	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6193	* 1.7655	* 1.7077	* 1.6114	* 1.5502	* 1.4729	* 1.4779	* .7870 *
	* 1.9101	* 1.7648	* 1.7960	* 1.8136	* 1.8351	* 1.9111	* 1.8962	* 3.5077 *
9	* 1.7655	* 1.7507	* 1.6678	* 1.6217	* 1.5868	* 1.5532	* 1.4983	* .8022 *
	* 1.7648	* 1.7889	* 1.7959	* 1.8161	* 1.8100	* 1.8318	* 1.8836	* 3.4492 *
10	* 1.7077	* 1.6677	* 1.7422	* 1.6989	* 1.5908	* 1.5421	* 1.4906	* .7792 *
	* 1.7960	* 1.7960	* 1.7151	* 1.7652	* 1.8461	* 1.9061	* 1.9354	* 3.6212 *
11	* 1.6114	* 1.6215	* 1.6986	* 1.6098	* 1.5031	* 1.4396	* 1.5114	* .7509 *
	* 1.8137	* 1.8163	* 1.7656	* 1.8813	* 2.0503	* 2.0978	* 2.0067	* 3.9093 *
12	* 1.5502	* 1.5862	* 1.5901	* 1.5022	* 1.5090	* 1.5636	* 1.0323	* *
	* 1.8351	* 1.8103	* 1.8471	* 2.0520	* 1.9622	* 1.8814	* 2.8815	* *
13	* 1.4729	* 1.5517	* 1.5397	* 1.4371	* 1.5606	* 1.1222	* .5872	* *
	* 1.9111	* 1.8327	* 1.9095	* 2.1008	* 1.8828	* 2.5913	* 4.9530	* *
14	* 1.4779	* 1.4957	* 1.4867	* 1.5027	* 1.0274	* .5857	* *	* *
	* 1.8962	* 1.8849	* 1.9405	* 2.0181	* 2.8947	* 4.9648	* *	* *
15	* .7879	* .8047	* .7760	* .7039	F-SUB-Q			
	* 3.5037	* 3.4387	* 3.6362	* 4.1734	M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.7670	* 1.9361	* 1.8660	* 1.7461	* 1.6782	* 1.5891	* 1.6172	* .8192 *
	* 1.8138	* 1.6658	* 1.6928	* 1.7232	* 1.7452	* 1.8187	* 1.7762	* 3.4512 *
9	* 1.9361	* 1.9289	* 1.8105	* 1.7779	* 1.7191	* 1.6909	* 1.6451	* .8302 *
	* 1.6658	* 1.6719	* 1.7004	* 1.7055	* 1.7264	* 1.7327	* 1.7646	* 3.4274 *
10	* 1.8661	* 1.8103	* 1.9029	* 1.8513	* 1.7467	* 1.6784	* 1.6502	* .8100 *
	* 1.6927	* 1.7003	* 1.6099	* 1.6652	* 1.7294	* 1.7996	* 1.8108	* 3.5977 *
11	* 1.7461	* 1.7782	* 1.8507	* 1.7656	* 1.6124	* 1.5857	* 1.6943	* .7965 *
	* 1.7233	* 1.7057	* 1.6658	* 1.7623	* 1.9624	* 1.9557	* 1.8457	* 3.7979 *
12	* 1.6782	* 1.7184	* 1.7459	* 1.6111	* 1.6599	* 1.7521	* 1.1037	* *
	* 1.7452	* 1.7268	* 1.7303	* 1.9639	* 1.8483	* 1.7353	* 2.7864	* *
13	* 1.5891	* 1.6894	* 1.6759	* 1.5831	* 1.7509	* 1.2093	* .6285	* *
	* 1.8187	* 1.7335	* 1.8027	* 1.9581	* 1.7364	* 2.4945	* 4.7899	* *
14	* 1.6172	* 1.6425	* 1.6422	* 1.6847	* 1.0989	* .6270	* *	* *
	* 1.7762	* 1.7656	* 1.8156	* 1.8561	* 2.7984	* 4.8009	* *	* *
15	* .8202	* .8314	* .8053	* .7449	F-SUB-Q			
	* 3.4468	* 3.4162	* 3.6110	* 4.0645	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.8058	* 1.9840	* 1.9099	* 1.7831	* 1.7317	* 1.6218	* 1.6697	* .8318
	* 1.8459	* 1.6897	* 1.7143	* 1.7485	* 1.7529	* 1.8458	* 1.7809	* 3.5198
9	* 1.9840	* 1.9924	* 1.8531	* 1.8338	* 1.7617	* 1.7293	* 1.7035	* .8439
	* 1.6897	* 1.6782	* 1.7225	* 1.7126	* 1.7486	* 1.7578	* 1.7682	* 3.4888
10	* 1.9100	* 1.8528	* 1.9498	* 1.9000	* 1.8049	* 1.7188	* 1.7237	* .8269
	* 1.7142	* 1.7226	* 1.6276	* 1.6814	* 1.7354	* 1.8224	* 1.8097	* 3.6548
11	* 1.7831	* 1.8341	* 1.8993	* 1.8228	* 1.6533	* 1.6463	* 1.7742	* .8196
	* 1.7485	* 1.7128	* 1.6821	* 1.7697	* 1.9911	* 1.9495	* 1.8310	* 3.8287
12	* 1.7317	* 1.7610	* 1.8040	* 1.6523	* 1.7175	* 1.8305	* 1.1447	*
	* 1.7529	* 1.7491	* 1.7364	* 1.9927	* 1.8590	* 1.7282	* 2.7960	*
13	* 1.6218	* 1.7279	* 1.7164	* 1.6437	* 1.8293	* 1.2501	* .6464	*
	* 1.8458	* 1.7585	* 1.8254	* 1.9518	* 1.7293	* 2.5134	* 4.8531	*
14	* 1.6697	* 1.7008	* 1.7158	* 1.7649	* 1.1400	* .6449	*	*
	* 1.7808	* 1.7690	* 1.8142	* 1.8407	* 2.8072	* 4.8637	*	*
15	* .8329	* .8453	* .8225	* .7680	F-SUB-Q			
	* 3.5152	* 3.4766	* 3.6669	* 4.0930	M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.8034	* 1.9845	* 1.9098	* 1.7822	* 1.7418	* 1.6224	* 1.6807	* .8343
	* 1.9228	* 1.7561	* 1.7932	* 1.8302	* 1.8241	* 1.9301	* 1.8495	* 3.6702
9	* 1.9845	* 1.9994	* 1.8527	* 1.8414	* 1.7670	* 1.7281	* 1.7186	* .8481
	* 1.7561	* 1.7468	* 1.8027	* 1.7839	* 1.8262	* 1.8416	* 1.8352	* 3.6243
10	* 1.9099	* 1.8524	* 1.9521	* 1.9060	* 1.8164	* 1.7244	* 1.7491	* .8324
	* 1.7930	* 1.8029	* 1.7010	* 1.7544	* 1.8050	* 1.8982	* 1.8744	* 3.7906
11	* 1.7822	* 1.8414	* 1.9052	* 1.8327	* 1.6673	* 1.6634	* 1.8029	* .8311
	* 1.8302	* 1.7842	* 1.7552	* 1.8423	* 2.0671	* 2.0187	* 1.8770	* 3.9576
12	* 1.7418	* 1.7660	* 1.8155	* 1.6663	* 1.7277	* 1.8550	* 1.1651	*
	* 1.8241	* 1.8268	* 1.8060	* 2.0688	* 1.9383	* 1.7902	* 2.8806	*
13	* 1.6224	* 1.7268	* 1.7220	* 1.6609	* 1.8536	* 1.2676	* .6534	*
	* 1.9301	* 1.8423	* 1.9022	* 2.0212	* 1.7914	* 2.6048	* 5.0478	*
14	* 1.6807	* 1.7161	* 1.7415	* 1.7939	* 1.1606	* .6519	*	*
	* 1.8495	* 1.8362	* 1.8787	* 1.8866	* 2.8919	* 5.0586	*	*
15	* .8354	* .8512	* .8287	* .7802	F-SUB-Q			
	* 3.6656	* 3.6111	* 3.8021	* 4.2159	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.7974	* 1.9818	* 1.9065	* 1.7797	* 1.7501	* 1.6222	* 1.6943	* .8308
	* 2.0067	* 1.8260	* 1.8989	* 1.9387	* 1.9205	* 2.0411	* 1.9386	* 3.8949
9	* 1.9818	* 2.0053	* 1.8487	* 1.8487	* 1.7700	* 1.7300	* 1.7347	* .8425
	* 1.8260	* 1.8083	* 1.9109	* 1.8791	* 1.9298	* 1.9420	* 1.9233	* 3.8672
10	* 1.9067	* 1.8483	* 1.9536	* 1.9104	* 1.8274	* 1.7292	* 1.7713	* .8278
	* 1.8987	* 1.9113	* 1.7984	* 1.8521	* 1.8983	* 1.9969	* 1.9614	* 4.0446
11	* 1.7797	* 1.8485	* 1.9096	* 1.8424	* 1.6623	* 1.6796	* 1.8283	* .8249
	* 1.9387	* 1.8796	* 1.8530	* 1.9391	* 2.1480	* 2.0967	* 1.9224	* 4.2176
12	* 1.7501	* 1.7690	* 1.8264	* 1.6612	* 1.7355	* 1.8768	* 1.1583	*
	* 1.9205	* 1.9306	* 1.8995	* 2.1499	* 2.0254	* 1.8601	* 3.0413	*
13	* 1.6222	* 1.7288	* 1.7269	* 1.6771	* 1.8753	* 1.2613	* .6458	*
	* 2.0411	* 1.9427	* 2.0009	* 2.0993	* 1.8616	* 2.7580	* 5.3806	*
14	* 1.6943	* 1.7323	* 1.7639	* 1.8195	* 1.1539	* .6444	*	*
	* 1.9386	* 1.9244	* 1.9657	* 1.9320	* 3.0531	* 5.3918	*	*
15	* .8319	* .8442	* .8239	* .7737	F-SUB-Q			
	* 3.8899	* 3.8529	* 4.0558	* 4.4999	M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.7724	* 1.9566	* 1.8824	* 1.7579	* 1.7353	* 1.6054	* 1.6846	* .8220
	* 2.1391	* 1.9450	* 2.0316	* 2.1009	* 2.0726	* 2.2053	* 2.0825	* 4.2030
9	* 1.9566	* 1.9840	* 1.8246	* 1.8326	* 1.7532	* 1.7130	* 1.7266	* .8332
	* 1.9450	* 1.9216	* 2.0717	* 2.0295	* 2.0862	* 2.0922	* 2.0657	* 4.1766
10	* 1.8826	* 1.8242	* 1.9330	* 1.8928	* 1.8145	* 1.7142	* 1.7674	* .8190
	* 2.0314	* 2.0723	* 1.9464	* 1.9901	* 2.0461	* 2.1495	* 2.1012	* 4.3582
11	* 1.7579	* 1.8321	* 1.8918	* 1.8277	* 1.6473	* 1.6723	* 1.8262	* .8171
	* 2.1009	* 2.0301	* 1.9912	* 2.0679	* 2.2799	* 2.2082	* 2.0237	* 4.5076
12	* 1.7353	* 1.7521	* 1.8135	* 1.6461	* 1.7219	* 1.8705	* 1.1490	*
	* 2.0726	* 2.0871	* 2.0475	* 2.2820	* 2.1433	* 1.9640	* 3.2130	*
13	* 1.6054	* 1.7117	* 1.7119	* 1.6703	* 1.8689	* 1.2507	* .6377	*
	* 2.2053	* 2.0929	* 2.1536	* 2.2110	* 1.9656	* 2.9354	* 5.7402	*
14	* 1.6846	* 1.7243	* 1.7602	* 1.8176	* 1.1448	* .6364	*	*
	* 2.0825	* 2.0668	* 2.1090	* 2.0334	* 3.2250	* 5.7521	*	*
15	* .8231	* .8350	* .8153	* .7667	F-SUB-Q			
	* 4.1973	* 4.1608	* 4.3702	* 4.8059	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.7464	* 1.9307	* 1.8573	* 1.7350	* 1.7199	* 1.5869	* 1.6740	* .8108
	* 2.3355	* 2.1141	* 2.1793	* 2.2693	* 2.2145	* 2.3522	* 2.2047	* 4.4562
9	* 1.9307	* 1.9631	* 1.8003	* 1.8163	* 1.7342	* 1.6947	* 1.7168	* .8203
	* 2.1141	* 2.0789	* 2.2417	* 2.1842	* 2.2350	* 2.2243	* 2.1878	* 4.4424
10	* 1.8574	* 1.7998	* 1.9115	* 1.8736	* 1.8004	* 1.6972	* 1.7596	* .8061
	* 2.1791	* 2.2424	* 2.0932	* 2.1344	* 2.1924	* 2.2887	* 2.2302	* 4.6539
11	* 1.7351	* 1.8158	* 1.8726	* 1.8121	* 1.6270	* 1.6648	* 1.8199	* .8028
	* 2.2693	* 2.1849	* 2.1357	* 2.2109	* 2.4654	* 2.3700	* 2.1603	* 4.8528
12	* 1.7199	* 1.7331	* 1.7993	* 1.6255	* 1.7062	* 1.8613	* 1.1296	*
	* 2.2145	* 2.2360	* 2.1939	* 2.4676	* 2.3194	* 2.1100	* 3.4885	*
13	* 1.5869	* 1.6934	* 1.6949	* 1.6610	* 1.8597	* 1.2312	* .6250	*
	* 2.3522	* 2.2250	* 2.2931	* 2.3757	* 2.1118	* 3.1853	* 6.2364	*
14	* 1.6740	* 1.7146	* 1.7526	* 1.8116	* 1.1255	* .6238	*	*
	* 2.2047	* 2.1889	* 2.2348	* 2.1706	* 3.5011	* 6.2488	*	*
15	* .8120	* .8222	* .8026	* .7555	* F-SUB-Q			
	* 4.4500	* 4.4303	* 4.6656	* 5.1582	* M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6918	* 1.8707	* 1.8009	* 1.6823	* 1.6659	* 1.5413	* 1.6227	* .7959
	* 2.5903	* 2.3381	* 2.4177	* 2.4959	* 2.4216	* 2.5607	* 2.4028	* 4.7834
9	* 1.8707	* 1.8972	* 1.7452	* 1.7576	* 1.6838	* 1.6461	* 1.6657	* .8071
	* 2.3381	* 2.3037	* 2.4694	* 2.4075	* 2.4378	* 2.4169	* 2.3805	* 4.7324
10	* 1.8011	* 1.7447	* 1.8551	* 1.8191	* 1.7433	* 1.6489	* 1.7097	* .7928
	* 2.4175	* 2.4703	* 2.3156	* 2.3692	* 2.4101	* 2.4798	* 2.4199	* 4.9232
11	* 1.6823	* 1.7570	* 1.8180	* 1.7552	* 1.5922	* 1.6175	* 1.7676	* .7965
	* 2.4959	* 2.4083	* 2.3706	* 2.4569	* 2.7074	* 2.6122	* 2.3821	* 5.1167
12	* 1.6659	* 1.6826	* 1.7421	* 1.5910	* 1.6586	* 1.8067	* 1.1225	*
	* 2.4216	* 2.4390	* 2.4118	* 2.7094	* 2.5876	* 2.3598	* 3.7828	*
13	* 1.5413	* 1.6449	* 1.6467	* 1.6128	* 1.8051	* 1.2203	* .6203	*
	* 2.5607	* 2.4176	* 2.4846	* 2.6216	* 2.3619	* 3.4881	* 6.8002	*
14	* 1.6227	* 1.6637	* 1.7030	* 1.7597	* 1.1185	* .6190	*	*
	* 2.4028	* 2.3817	* 2.4249	* 2.3930	* 3.7965	* 6.8136	*	*
15	* .7969	* .8103	* .7910	* .7501	* F-SUB-Q			
	* 4.7772	* 4.7143	* 4.9354	* 5.4370	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6661	* 1.8462	* 1.7765	* 1.6603	* 1.6534	* 1.5226	* 1.6167	* .7800 *
	* 2.8700	* 2.5855	* 2.6289	* 2.6619	* 2.5641	* 2.7218	* 2.5238	* 5.0850 *
9	* 1.8462	* 1.8816	* 1.7216	* 1.7456	* 1.6653	* 1.6310	* 1.6598	* .7870 *
	* 2.5855	* 2.5350	* 2.6462	* 2.5550	* 2.5934	* 2.5587	* 2.5056	* 5.0843 *
10	* 1.7767	* 1.7210	* 1.8348	* 1.8012	* 1.7335	* 1.6320	* 1.7046	* .7731 *
	* 2.6286	* 2.6472	* 2.4746	* 2.5357	* 2.5508	* 2.6363	* 2.5553	* 5.3298 *
11	* 1.6603	* 1.7450	* 1.8001	* 1.7435	* 1.5608	* 1.6125	* 1.7649	* .7712 *
	* 2.6618	* 2.5560	* 2.5373	* 2.6418	* 2.9942	* 2.8263	* 2.5705	* 5.5503 *
12	* 1.6534	* 1.6642	* 1.7324	* 1.5593	* 1.6424	* 1.8008	* 1.0864	* *
	* 2.5641	* 2.5946	* 2.5526	* 2.9970	* 2.8318	* 2.5644	* 4.2347	* *
13	* 1.5226	* 1.6296	* 1.6299	* 1.6069	* 1.7992	* 1.1859	* .5982	* *
	* 2.7218	* 2.5592	* 2.6411	* 2.8376	* 2.5673	* 3.8950	* 7.6244	* *
14	* 1.6167	* 1.6578	* 1.6981	* 1.7571	* 1.0826	* .5971	* *	* *
	* 2.5238	* 2.5067	* 2.5602	* 2.5837	* 4.2494	* 7.6391	* *	* *
15	* .7811	* .7889	* .7699	* .7239	* F-SUB-Q			
	* 5.0777	* 5.0684	* 5.3419	* 5.9197	* M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6213	* 1.7983	* 1.7306	* 1.6178	* 1.6150	* 1.4855	* 1.5824	* .7620 *
	* 2.9496	* 2.6540	* 2.7433	* 2.8906	* 2.7714	* 2.9410	* 2.7119	* 5.4553 *
9	* 1.7983	* 1.8350	* 1.6767	* 1.7049	* 1.6257	* 1.5941	* 1.6253	* .7683 *
	* 2.6540	* 2.5978	* 2.8270	* 2.7704	* 2.8062	* 2.7566	* 2.6927	* 5.4600 *
10	* 1.7308	* 1.6761	* 1.7903	* 1.7590	* 1.6951	* 1.5937	* 1.6710	* .7545 *
	* 2.7430	* 2.8280	* 2.6462	* 2.6935	* 2.7637	* 2.8412	* 2.7459	* 5.7218 *
11	* 1.6179	* 1.7042	* 1.7578	* 1.7033	* 1.5226	* 1.5805	* 1.7313	* .7536 *
	* 2.8905	* 2.7716	* 2.6952	* 2.7817	* 3.1246	* 3.0104	* 2.7488	* 5.9898 *
12	* 1.6150	* 1.6245	* 1.6939	* 1.5211	* 1.6042	* 1.7638	* 1.0624	* *
	* 2.7714	* 2.8075	* 2.7658	* 3.1271	* 3.0017	* 2.7284	* 4.5009	* *
13	* 1.4855	* 1.5927	* 1.5916	* 1.5751	* 1.7622	* 1.1598	* .5834	* *
	* 2.9410	* 2.7571	* 2.8462	* 3.0208	* 2.7329	* 4.1628	* 8.2184	* *
14	* 1.5825	* 1.6234	* 1.6647	* 1.7237	* 1.0587	* .5823	* *	* *
	* 2.7119	* 2.6938	* 2.7510	* 2.7609	* 4.5167	* 8.2343	* *	* *
15	* .7631	* .7702	* .7514	* .7075	* F-SUB-Q			
	* 5.4474	* 5.4395	* 5.7341	* 6.3833	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5617	* 1.7324	* 1.6685	* 1.5595	* 1.5557	* 1.4341	* 1.5259	* .7421 *
	* 2.9737	* 2.6756	* 2.7502	* 2.7943	* 2.7173	* 2.9088	* 2.7273	* 5.5069 *
9	* 1.7324	* 1.7645	* 1.6157	* 1.6410	* 1.5690	* 1.5411	* 1.5684	* .7487 *
	* 2.6756	* 2.6235	* 2.7707	* 2.6895	* 2.7523	* 2.7610	* 2.7124	* 5.4809 *
10	* 1.6687	* 1.6152	* 1.7273	* 1.6974	* 1.6312	* 1.5406	* 1.6144	* .7354 *
	* 2.7499	* 2.7720	* 2.6038	* 2.6723	* 2.7027	* 2.8578	* 2.7797	* 5.7695 *
11	* 1.5595	* 1.6403	* 1.6963	* 1.6407	* 1.4791	* 1.5267	* 1.6722	* .7396 *
	* 2.7942	* 2.6907	* 2.6741	* 2.7881	* 3.1244	* 3.0315	* 2.7686	* 6.0750 *
12	* 1.5557	* 1.5678	* 1.6300	* 1.4779	* 1.5497	* 1.7022	* 1.0439	*
	* 2.7173	* 2.7539	* 2.7048	* 3.1269	* 3.0250	* 2.7519	* 4.4579	*
13	* 1.4341	* 1.5398	* 1.5380	* 1.5216	* 1.7006	* 1.1372	* .5726	*
	* 2.9088	* 2.7614	* 2.8627	* 3.0418	* 2.7565	* 4.1355	* 8.1543	*
14	* 1.5259	* 1.5666	* 1.6084	* 1.6650	* 1.0404	* .5715	*	*
	* 2.7273	* 2.7128	* 2.7846	* 2.7806	* 4.4733	* 8.1700	*	*
15	* .7431	* .7517	* .7338	* .6970	F-SUB-Q			
	* 5.4992	* 5.4591	* 5.7808	* 6.4475	M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5249	* 1.6953	* 1.6322	* 1.5260	* 1.5302	* 1.4045	* 1.5070	* .7213 *
	* 2.9121	* 2.6087	* 2.6310	* 2.6749	* 2.5924	* 2.7885	* 2.5939	* 5.3219 *
9	* 1.6953	* 1.7348	* 1.5810	* 1.6151	* 1.5384	* 1.5135	* 1.5491	* .7248 *
	* 2.6087	* 2.5371	* 2.6528	* 2.5604	* 2.6342	* 2.6391	* 2.5809	* 5.3524 *
10	* 1.6323	* 1.5804	* 1.6935	* 1.6660	* 1.6075	* 1.5144	* 1.5956	* .7113 *
	* 2.6307	* 2.6541	* 2.4863	* 2.5494	* 2.5716	* 2.7300	* 2.6421	* 5.6426 *
11	* 1.5261	* 1.6143	* 1.6668	* 1.6152	* 1.4380	* 1.5087	* 1.6551	* .7104 *
	* 2.6748	* 2.5616	* 2.5482	* 2.6519	* 3.0297	* 2.8806	* 2.6302	* 5.9384 *
12	* 1.5302	* 1.5371	* 1.6062	* 1.4365	* 1.5206	* 1.6815	* 1.0025	*
	* 2.5924	* 2.6359	* 2.5737	* 3.0321	* 2.9179	* 2.6269	* 4.3384	*
13	* 1.4045	* 1.5122	* 1.5117	* 1.5037	* 1.6798	* 1.0960	* .5477	*
	* 2.7885	* 2.6395	* 2.7345	* 2.8897	* 2.6310	* 4.0238	* 7.9070	*
14	* 1.5070	* 1.5474	* 1.5898	* 1.6481	* .9991	* .5466	*	*
	* 2.5939	* 2.5812	* 2.6466	* 2.6407	* 4.3524	* 7.9213	*	*
15	* .7224	* .7267	* .7086	* .6683	F-SUB-Q			
	* 5.3141	* 5.3313	* 5.6530	* 6.3231	M-SUB-Q			

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4762	* 1.6427	* 1.5818	* 1.4791	* 1.4873	* 1.3628	* 1.4688	* .6996
	* 2.6615	* 2.3830	* 2.4525	* 2.5120	* 2.4269	* 2.6172	* 2.4216	* 4.9527
9	* 1.6427	* 1.6844	* 1.5322	* 1.5699	* 1.4937	* 1.4717	* 1.5105	* .7018
	* 2.3830	* 2.3170	* 2.4913	* 2.3962	* 2.4705	* 2.4727	* 2.4090	* 4.9868
10	* 1.5820	* 1.5316	* 1.6438	* 1.6201	* 1.5643	* 1.4734	* 1.5575	* .6884
	* 2.4522	* 2.4927	* 2.3349	* 2.3841	* 2.4023	* 2.5510	* 2.4601	* 5.2570
11	* 1.4792	* 1.5691	* 1.6188	* 1.5706	* 1.3948	* 1.4723	* 1.6169	* .6871
	* 2.5118	* 2.3974	* 2.3859	* 2.4555	* 2.7708	* 2.6198	* 2.3886	* 5.5137
12	* 1.4873	* 1.4924	* 1.5631	* 1.3933	* 1.4772	* 1.6395		* .9703
	* 2.4269	* 2.4720	* 2.4041	* 2.7736	* 2.6624	* 2.3889	* 3.9734	
13	* 1.3628	* 1.4705	* 1.4707	* 1.4675	* 1.6378	* 1.0611		* .5282
	* 2.6172	* 2.4728	* 2.5549	* 2.6280	* 2.3927	* 3.6879		* 7.2798
14	* 1.4688	* 1.5088	* 1.5519	* 1.6102	* .9671	* .5272		
	* 2.4216	* 2.4095	* 2.4640	* 2.3981	* 3.9862	* 7.2931		
15	* .7006	* .7037	* .6858	* .6480	F-SUB-Q			
	* 4.9454	* 4.9708	* 5.2657	* 5.8448	M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4241	* 1.5862	* 1.5278	* 1.4286	* 1.4384	* 1.3174	* 1.4223	* .6779
	* 2.4577	* 2.1981	* 2.2407	* 2.2810	* 2.2051	* 2.3814	* 2.2022	* 4.5096
9	* 1.5862	* 1.6273	* 1.4795	* 1.5176	* 1.4441	* 1.4243	* 1.4631	* .6796
	* 2.1981	* 2.1358	* 2.2599	* 2.1726	* 2.2445	* 2.2475	* 2.1889	* 4.5427
10	* 1.5280	* 1.4789	* 1.5888	* 1.5668	* 1.5128	* 1.4265	* 1.5094	* .6664
	* 2.2404	* 2.2613	* 2.1144	* 2.1598	* 2.1790	* 2.3129	* 2.2307	* 4.7743
11	* 1.4287	* 1.5167	* 1.5655	* 1.5188	* 1.3472	* 1.4267	* 1.5672	* .6662
	* 2.2809	* 2.1738	* 2.1616	* 2.2426	* 2.5544	* 2.4100	* 2.1961	* 4.9893
12	* 1.4384	* 1.4428	* 1.5115	* 1.3458	* 1.4286	* 1.5878		* .9413
	* 2.2051	* 2.2460	* 2.1807	* 2.5566	* 2.4634	* 2.2076		* 3.6621
13	* 1.3174	* 1.4232	* 1.4240	* 1.4220	* 1.5861	* 1.0292		* .5117
	* 2.3814	* 2.2476	* 2.3165	* 2.4177	* 2.2112	* 3.4067		* 6.7440
14	* 1.4223	* 1.4615	* 1.5040	* 1.5608	* .9382	* .5107		
	* 2.2022	* 2.1894	* 2.2342	* 2.2049	* 3.6739	* 6.7562		
15	* .6789	* .6814	* .6640	* .6274	F-SUB-Q			
	* 4.5029	* 4.5253	* 4.7822	* 5.3064	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3648	* 1.5200	* 1.4649	* 1.3696	* 1.3779	* 1.2641	* 1.3631	* .6558 *
	* 2.3713	* 2.1219	* 2.1517	* 2.1934	* 2.1267	* 2.2956	* 2.1272	* 4.3260 *
9	* 1.5200	* 1.5567	* 1.4178	* 1.4530	* 1.3854	* 1.3675	* 1.4026	* .6583 *
	* 2.1219	* 2.0666	* 2.1694	* 2.0907	* 2.1601	* 2.1645	* 2.1117	* 4.3266 *
10	* 1.4651	* 1.4172	* 1.5241	* 1.5013	* 1.4490	* 1.3699	* 1.4481	* .6457 *
	* 2.1514	* 2.1708	* 2.0278	* 2.0726	* 2.0966	* 2.2203	* 2.1468	* 4.5314 *
11	* 1.3697	* 1.4521	* 1.5001	* 1.4546	* 1.3007	* 1.3685	* 1.5033	* .6501 *
	* 2.1932	* 2.0919	* 2.0742	* 2.1537	* 2.4459	* 2.3262	* 2.1189	* 4.7106 *
12	* 1.3779	* 1.3842	* 1.4478	* 1.2995	* 1.3705	* 1.5222	* .9194 *	
	* 2.1267	* 2.1617	* 2.0983	* 2.4480	* 2.3769	* 2.1320	* 3.4727 *	
13	* 1.2641	* 1.3665	* 1.3674	* 1.3640	* 1.5199	* 1.0023	* .4992 *	
	* 2.2956	* 2.1646	* 2.2238	* 2.3336	* 2.1355	* 3.2455	* 6.4157 *	
14	* 1.3631	* 1.4011	* 1.4430	* 1.4972	* .9164	* .4983 *		
	* 2.1272	* 2.1122	* 2.1502	* 2.1274	* 3.4840	* 6.4275 *		
15	* .6568	* .6609	* .6446	* .6133	* F-SUB-Q			
	* 4.3196	* 4.3089	* 4.5387	* 4.9934	* M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3276	* 1.4819	* 1.4271	* 1.3344	* 1.3497	* 1.2320	* 1.3395	* .6336 *
	* 2.1844	* 1.9502	* 1.9748	* 2.0171	* 1.9506	* 2.1176	* 1.9480	* 4.0380 *
9	* 1.4819	* 1.5254	* 1.3821	* 1.4244	* 1.3519	* 1.3357	* 1.3779	* .6333 *
	* 1.9502	* 1.8840	* 1.9925	* 1.9086	* 1.9870	* 1.9899	* 1.9326	* 4.0746 *
10	* 1.4273	* 1.3815	* 1.4877	* 1.4686	* 1.4219	* 1.3385	* 1.4218	* .6198 *
	* 1.9746	* 1.9938	* 1.8553	* 1.8915	* 1.9130	* 2.0349	* 1.9586	* 4.2765 *
11	* 1.3345	* 1.4236	* 1.4673	* 1.4261	* 1.2583	* 1.3433	* 1.4778	* .6186 *
	* 2.0169	* 1.9098	* 1.8931	* 1.9612	* 2.2577	* 2.1058	* 1.9142	* 4.4271 *
12	* 1.3497	* 1.3506	* 1.4207	* 1.2569	* 1.3368	* 1.4935	* .8745 *	
	* 1.9506	* 1.9885	* 1.9146	* 2.2598	* 2.1787	* 1.9492	* 3.2728 *	
13	* 1.2320	* 1.3347	* 1.3361	* 1.3389	* 1.4917	* .9573	* .4732 *	
	* 2.1176	* 1.9899	* 2.0382	* 2.1127	* 1.9525	* 3.0394	* 6.0772 *	
14	* 1.3395	* 1.3765	* 1.4168	* 1.4718	* .8716	* .4724 *		
	* 1.9480	* 1.9331	* 1.9618	* 1.9221	* 3.2838	* 6.0884 *		
15	* .6346	* .6350	* .6176	* .5837	* F-SUB-Q			
	* 4.0319	* 4.0612	* 4.2837	* 4.6918	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2784	* 1.4283	* 1.3752	* 1.2857	* 1.3009	* 1.1878	* 1.2934	* .6113
	* 2.0204	* 1.8111	* 1.8518	* 1.8978	* 1.8402	* 1.9997	* 1.8384	* 3.8232
9	* 1.4283	* 1.4707	* 1.3320	* 1.3737	* 1.3029	* 1.2890	* 1.3299	* .6098
	* 1.8111	* 1.7586	* 1.8703	* 1.7918	* 1.8724	* 1.8755	* 1.8214	* 3.8602
10	* 1.3754	* 1.3314	* 1.4355	* 1.4171	* 1.3715	* 1.2909	* 1.3703	* .5961
	* 1.8516	* 1.8715	* 1.7366	* 1.7681	* 1.7958	* 1.9100	* 1.8401	* 4.0441
11	* 1.2858	* 1.3728	* 1.4158	* 1.3757	* 1.2118	* 1.2942	* 1.4243	* .5944
	* 1.8977	* 1.7928	* 1.7697	* 1.8331	* 2.1150	* 1.9767	* 1.7954	* 4.1646
12	* 1.3009	* 1.3017	* 1.3703	* 1.2104	* 1.2880	* 1.4390		* .8399
	* 1.8402	* 1.8742	* 1.7973	* 2.1174	* 2.0191	* 1.8095	* 3.0564	
13	* 1.1878	* 1.2880	* 1.2886	* 1.2899	* 1.4373	* .9209	* .4543	
	* 1.9997	* 1.8756	* 1.9132	* 1.9833	* 1.8127	* 2.8339	* 5.6808	
14	* 1.2934	* 1.3285	* 1.3653	* 1.4184	* .8372	* .4535		
	* 1.8384	* 1.8221	* 1.8433	* 1.8029	* 3.0667	* 5.6916		
15	* .6123	* .6115	* .5939	* .5607	F-SUB-Q			
	* 3.8175	* 3.8482	* 4.0512	* 4.4150	M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2151	* 1.3567	* 1.3068	* 1.2215	* 1.2282	* 1.1302	* 1.2211	* .5886
	* 1.9526	* 1.7536	* 1.7771	* 1.8348	* 1.7963	* 1.9393	* 1.7974	* 3.6750
9	* 1.3567	* 1.3881	* 1.2646	* 1.2967	* 1.2366	* 1.2251	* 1.2548	* .5883
	* 1.7536	* 1.7022	* 1.8020	* 1.7402	* 1.8116	* 1.8178	* 1.7780	* 3.6870
10	* 1.3069	* 1.2641	* 1.3646	* 1.3443	* 1.2936	* 1.2253	* 1.2885	* .5755
	* 1.7768	* 1.8031	* 1.6701	* 1.7014	* 1.7453	* 1.8437	* 1.7911	* 3.8348
11	* 1.2215	* 1.2959	* 1.3432	* 1.2999	* 1.1588	* 1.2166	* 1.3370	* .5766
	* 1.8347	* 1.7412	* 1.7028	* 1.7692	* 2.0079	* 1.9064	* 1.7328	* 3.9294
12	* 1.2282	* 1.2354	* 1.2925	* 1.1577	* 1.2217	* 1.3533	* .8138	
	* 1.7963	* 1.8133	* 1.7468	* 2.0098	* 1.9466	* 1.7611	* 2.8981	
13	* 1.1302	* 1.2242	* 1.2230	* 1.2124	* 1.3518	* .8914	* .4418	
	* 1.9393	* 1.8199	* 1.8469	* 1.9131	* 1.7642	* 2.6727	* 5.3506	
14	* 1.2211	* 1.2534	* 1.2837	* 1.3312	* .8111	* .4409		
	* 1.7974	* 1.7787	* 1.7945	* 1.7405	* 2.9082	* 5.3609		
15	* .5894	* .5908	* .5744	* .5437	F-SUB-Q			
	* 3.6700	* 3.6719	* 3.8421	* 4.1680	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1662	* 1.3032	* 1.2535	* 1.1738	* 1.1783	* 1.0881	* 1.1763	* .5656 *
	* 1.8628	* 1.6662	* 1.7115	* 1.7760	* 1.7477	* 1.8822	* 1.7447	* 3.5845 *
9	* 1.3032	* 1.3307	* 1.2144	* 1.2449	* 1.1888	* 1.1803	* 1.2060	* .5622 *
	* 1.6662	* 1.6318	* 1.7415	* 1.6837	* 1.7527	* 1.7588	* 1.7236	* 3.6239 *
10	* 1.2536	* 1.2139	* 1.3140	* 1.2941	* 1.2425	* 1.1786	* 1.2295	* .5459 *
	* 1.7113	* 1.7423	* 1.6065	* 1.6339	* 1.6871	* 1.7788	* 1.7347	* 3.7849 *
11	* 1.1739	* 1.2442	* 1.2931	* 1.2491	* 1.1072	* 1.1602	* 1.2745	* .5408 *
	* 1.7759	* 1.6846	* 1.6352	* 1.7006	* 1.9412	* 1.8450	* 1.6774	* 3.8862 *
12	* 1.1783	* 1.1877	* 1.2415	* 1.1060	* 1.1738	* 1.2919	* .7590 *	
	* 1.7477	* 1.7543	* 1.6885	* 1.9434	* 1.8720	* 1.7056	* 2.8536 *	
13	* 1.0881	* 1.1792	* 1.1764	* 1.1561	* 1.2905	* .8380	* .4127 *	
	* 1.8822	* 1.7602	* 1.7820	* 1.8518	* 1.7087	* 2.6486	* 5.3261 *	
14	* 1.1763	* 1.2045	* 1.2247	* 1.2687	* .7563	* .4118 *		
	* 1.7447	* 1.7258	* 1.7380	* 1.6853	* 2.8642	* 5.3371 *		
15	* .5664	* .5637	* .5437	* .5074	* F-SUB-Q			
	* 3.5793	* 3.6141	* 3.7930	* 4.1430	* M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0738	* 1.2012	* 1.1493	* 1.0864	* 1.0997	* 1.0125	* 1.0895	* .5403 *
	* 1.8903	* 1.6921	* 1.7488	* 1.8100	* 1.7703	* 1.9169	* 1.7851	* 3.5647 *
9	* 1.2012	* 1.2215	* 1.1197	* 1.1490	* 1.1031	* 1.0930	* 1.1136	* .5378 *
	* 1.6921	* 1.6640	* 1.7755	* 1.7188	* 1.7807	* 1.7938	* 1.7638	* 3.5964 *
10	* 1.1494	* 1.1193	* 1.2109	* 1.1977	* 1.1445	* 1.0911	* 1.1248	* .5178 *
	* 1.7487	* 1.7764	* 1.6401	* 1.6585	* 1.7257	* 1.8123	* 1.7745	* 3.7701 *
11	* 1.0864	* 1.1484	* 1.1968	* 1.1519	* 1.0345	* 1.0630	* 1.1558	* .5012 *
	* 1.8100	* 1.7197	* 1.6598	* 1.7307	* 1.9491	* 1.8910	* 1.7366	* 3.9549 *
12	* 1.0997	* 1.1022	* 1.1435	* 1.0334	* 1.0766	* 1.1785	* .7004 *	
	* 1.7703	* 1.7822	* 1.7271	* 1.9513	* 1.8971	* 1.7358	* 2.8967 *	
13	* 1.0125	* 1.0920	* 1.0888	* 1.0612	* 1.1764	* .7722	* .3776 *	
	* 1.9169	* 1.7954	* 1.8158	* 1.8984	* 1.7390	* 2.6687	* 5.4309 *	
14	* 1.0895	* 1.1121	* 1.1202	* 1.1503	* .6977	* .3768 *		
	* 1.7851	* 1.7660	* 1.7781	* 1.7453	* 2.9080	* 5.4425 *		
15	* .5410	* .5391	* .5165	* .4691	* F-SUB-Q			
	* 3.5601	* 3.5881	* 3.7793	* 4.2262	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	.8675	.9886	.9163	.8963	1.0827	.8446	.9969	.4706
	2.2239	1.9502	2.0859	2.0843	1.7205	2.2009	1.8660	3.9358
9	.9886	1.1462	.9092	1.0567	.9012	.8999	1.0111	.4729
	1.9502	1.6773	2.0916	1.7801	2.0734	2.0863	1.8527	3.9301
10	.9164	.9090	.9891	.9980	.9938	.9030	1.0061	.4508
	2.0856	2.0927	1.9164	1.8984	1.9035	2.1028	1.8756	4.1588
11	.8964	1.0562	.9973	1.0448	.8832	1.0370	.9285	.4126
	2.0842	1.7810	1.8997	1.8198	2.1590	1.8508	2.0590	4.5993
12	1.0827	.9006	.9928	.8824	.8851	1.0093	.5860	
	1.7205	2.0748	1.9053	2.1610	2.1969	1.9299	3.3082	
13	.8446	.8990	.9004	1.0349	1.0075	.6374	.3062	
	2.2009	2.0884	2.1075	1.8548	1.9334	3.0772	6.3907	
14	.9969	1.0099	1.0034	.9241	.5837	.3055		
	1.8660	1.8533	1.8808	2.0692	3.3218	6.4044		
15	.4711	.4738	.4493	.3891	F-SUB-Q			
	3.9315	3.9220	4.1702	4.8771	M-SUB-Q			

AT 50% POWER, 4 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	.3854	.4098	.3766	.3894	.4498	.3683	.3863	.2173
	4.7716	4.4793	4.8418	4.5984	3.9655	4.8454	4.6161	8.2111
9	.4098	.4662	.3911	.4542	.3900	.3686	.3895	.2072
	4.4794	3.9208	4.6565	3.9553	4.5937	4.8761	4.5948	8.6160
10	.3766	.3910	.4093	.4253	.4440	.3788	.3867	.1984
	4.8418	4.6574	4.4281	4.2606	4.0689	4.8090	4.6703	9.0758
11	.3894	.4540	.4250	.4598	.3936	.4247	.3668	.1757
	4.5985	3.9572	4.2626	3.9442	4.6274	4.3119	4.9797	10.3697
12	.4498	.3897	.4436	.3933	.3662	.3840	.2520	
	3.9655	4.5958	4.0726	4.6315	5.0461	4.8512	7.3647	
13	.3683	.3682	.3782	.4238	.3834	.2690	.1359	
	4.8454	4.8781	4.8168	4.3215	4.8602	6.9799	13.8267	
14	.3863	.3890	.3857	.3653	.2510	.1355		
	4.6161	4.5966	4.6838	5.0008	7.3954	13.8616		
15	.2174	.2079	.1979	.1662	F-SUB-Q			
	8.2063	8.5908	9.1003	10.9659	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .5682 *	* .6413 *	* .6051 *	* .6036 *	* .6767 *	* .5629 *	* .5563 *	* .3185 *
	* 4.6961 *	* 4.6990 *	* 4.9268 *	* 4.6322 *	* 4.0930 *	* 4.8685 *	* 4.9451 *	* 8.3900 *
9	* .6413 *	* .7168 *	* .6224 *	* .6924 *	* .5942 *	* .5560 *	* .5591 *	* .3052 *
	* 4.6991 *	* 4.2678 *	* 4.7902 *	* 4.1299 *	* 4.6842 *	* 4.9730 *	* 4.9586 *	* 8.8271 *
10	* .6051 *	* .6223 *	* .6343 *	* .6431 *	* .6569 *	* .5623 *	* .5499 *	* .2905 *
	* 4.9267 *	* 4.7902 *	* 4.6781 *	* 4.6340 *	* 4.3979 *	* 5.1044 *	* 5.1213 *	* 9.3269 *
11	* .6036 *	* .6922 *	* .6429 *	* .6813 *	* .5876 *	* .6027 *	* .5136 *	* .2505 *
	* 4.6325 *	* 4.1289 *	* 4.6362 *	* 4.4443 *	* 5.0899 *	* 4.8764 *	* 5.7311 *	* 11.1575 *
12	* .6767 *	* .5942 *	* .6564 *	* .5871 *	* .5089 *	* .5192 *	* .3581 *	
	* 4.0930 *	* 4.6837 *	* 4.4014 *	* 5.0938 *	* 5.3190 *	* 5.3130 *	* 7.9443 *	
13	* .5629 *	* .5557 *	* .5614 *	* .6010 *	* .5178 *	* .3717 *	* .2004 *	
	* 4.8686 *	* 4.9762 *	* 5.1136 *	* 4.8884 *	* 5.3261 *	* 7.1326 *	* 13.6367 *	
14	* .5563 *	* .5586 *	* .5477 *	* .5107 *	* .3561 *	* .1999 *		
	* 4.9451 *	* 4.9633 *	* 5.1418 *	* 5.7661 *	* 7.9862 *	* 13.6692 *		
15	* .3187 *	* .3052 *	* .2891 *	* .2384 *	F-SUB-Q			
	* 8.3859 *	* 8.8270 *	* 9.3724 *	* 11.7260 *	M-SUB-Q			

AT 30% POWER, 4 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3914 *	* 1.5768 *	* 1.4877 *	* 1.4214 *	* 1.6350 *	* 1.3207 *	* 1.4490 *	* .7128 *
	* 2.2412 *	* 2.0526 *	* 2.1495 *	* 2.0981 *	* 1.8065 *	* 2.2024 *	* 2.0215 *	* 3.9731 *
9	* 1.5768 *	* 1.7764 *	* 1.4758 *	* 1.6157 *	* 1.4040 *	* 1.3594 *	* 1.4593 *	* .7275 *
	* 2.0526 *	* 1.8423 *	* 2.1352 *	* 1.8900 *	* 2.1114 *	* 2.1634 *	* 2.0052 *	* 3.8967 *
10	* 1.4877 *	* 1.4758 *	* 1.5508 *	* 1.5281 *	* 1.4779 *	* 1.3567 *	* 1.4409 *	* .6961 *
	* 2.1495 *	* 2.1357 *	* 2.0385 *	* 2.0621 *	* 2.0856 *	* 2.2468 *	* 2.0757 *	* 4.1122 *
11	* 1.4213 *	* 1.6155 *	* 1.5276 *	* 1.5622 *	* 1.3630 *	* 1.4907 *	* 1.3042 *	* .6416 *
	* 2.0982 *	* 1.8896 *	* 2.0627 *	* 2.0479 *	* 2.3327 *	* 2.0965 *	* 2.4007 *	* 4.6156 *
12	* 1.6350 *	* 1.4038 *	* 1.4767 *	* 1.3621 *	* 1.2906 *	* 1.4181 *	.8864 *	
	* 1.8065 *	* 2.1116 *	* 2.0874 *	* 2.3343 *	* 2.2913 *	* 2.1210 *	* 3.4088 *	
13	* 1.3207 *	* 1.3587 *	* 1.3543 *	* 1.4868 *	* 1.4148 *	.9499 *	.4837 *	
	* 2.2024 *	* 2.1646 *	* 2.2511 *	* 2.1012 *	* 2.1253 *	* 3.0700 *	* 6.0034 *	
14	* 1.4490 *	* 1.4581 *	* 1.4354 *	* 1.2958 *	.8817 *	.4825 *		
	* 2.0215 *	* 2.0069 *	* 2.0838 *	* 2.4154 *	* 3.4258 *	* 6.0171 *		
15	* .7134 *	* .7283 *	* .6929 *	* .5956 *	F-SUB-Q			
	* 3.9697 *	* 3.8948 *	* 4.1313 *	* 4.9716 *	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.7464	* 1.9119	* 1.8439	* 1.7259	* 1.6524	* 1.5674	* 1.5719	* .8204
	* 1.9101	* 1.7648	* 1.7960	* 1.8136	* 1.8351	* 1.9111	* 1.8962	* 3.5077

9	* 1.9119	* 1.8926	* 1.7969	* 1.7355	* 1.6942	* 1.6582	* 1.5961	* .8361
	* 1.7648	* 1.7889	* 1.7959	* 1.8161	* 1.8100	* 1.8318	* 1.8836	* 3.4492

10	* 1.8440	* 1.7968	* 1.8756	* 1.8248	* 1.6984	* 1.6463	* 1.5884	* .8123
	* 1.7960	* 1.7960	* 1.7151	* 1.7652	* 1.8461	* 1.9061	* 1.9354	* 3.6212

11	* 1.7258	* 1.7353	* 1.8244	* 1.7225	* 1.5991	* 1.5321	* 1.6076	* .7819
	* 1.8137	* 1.8163	* 1.7656	* 1.8813	* 2.0503	* 2.0978	* 2.0067	* 3.9093

12	* 1.6524	* 1.6935	* 1.6976	* 1.5980	* 1.6093	* 1.6676	* 1.0846	*
	* 1.8351	* 1.8103	* 1.8471	* 2.0520	* 1.9622	* 1.8814	* 2.8815	*

13	* 1.5674	* 1.6565	* 1.6436	* 1.5292	* 1.6641	* 1.1850	* .6087	*
	* 1.9111	* 1.8327	* 1.9095	* 2.1008	* 1.8828	* 2.5913	* 4.9530	*

14	* 1.5719	* 1.5932	* 1.5840	* 1.5979	* 1.0792	* .6071	*	*
	* 1.8962	* 1.8849	* 1.9405	* 2.0181	* 2.8947	* 4.9648	*	*

15	* .8213	* .8388	* .8089	* .7325	* F-SUB-Q			
	* 3.5037	* 3.4387	* 3.6362	* 4.1734	* M-SUB-Q			

AT 30% POWER, 4 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8	* 1.9028	* 2.0933	* 2.0124	* 1.8691	* 1.7867	* 1.6890	* 1.7182	* .8532
	* 1.8138	* 1.6658	* 1.6928	* 1.7232	* 1.7452	* 1.8187	* 1.7762	* 3.4512

9	* 2.0933	* 2.0829	* 1.9481	* 1.9038	* 1.8339	* 1.8036	* 1.7511	* .8652
	* 1.6658	* 1.6719	* 1.7004	* 1.7055	* 1.7264	* 1.7327	* 1.7646	* 3.4274

10	* 2.0125	* 1.9479	* 2.0461	* 1.9853	* 1.8634	* 1.7900	* 1.7526	* .8441
	* 1.6927	* 1.7003	* 1.6099	* 1.6652	* 1.7294	* 1.7996	* 1.8108	* 3.5977

11	* 1.8690	* 1.9041	* 1.9846	* 1.8872	* 1.7151	* 1.6859	* 1.8011	* .8293
	* 1.7233	* 1.7057	* 1.6658	* 1.7623	* 1.9624	* 1.9557	* 1.8457	* 3.7979

12	* 1.7867	* 1.8331	* 1.8625	* 1.7136	* 1.7682	* 1.8693	* 1.1591	*
	* 1.7452	* 1.7268	* 1.7303	* 1.9639	* 1.8483	* 1.7353	* 2.7864	*

13	* 1.6890	* 1.8019	* 1.7871	* 1.6830	* 1.8679	* 1.2763	* .6518	*
	* 1.8187	* 1.7335	* 1.8027	* 1.9581	* 1.7364	* 2.4945	* 4.7899	*

14	* 1.7182	* 1.7479	* 1.7437	* 1.7905	* 1.1538	* .6502	*	*
	* 1.7762	* 1.7656	* 1.8156	* 1.8561	* 2.7984	* 4.8009	*	*

15	* .8543	* .8665	* .8390	* .7753	* F-SUB-Q			
	* 3.4468	* 3.4162	* 3.6110	* 4.0645	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.9366	* 2.1360	* 2.0514	* 1.9015	* 1.8374	* 1.7177	* 1.7683	* .8643 *
	* 1.8459	* 1.6897	* 1.7143	* 1.7485	* 1.7529	* 1.8458	* 1.7809	* 3.5198 *
9	* 2.1360	* 2.1429	* 1.9861	* 1.9567	* 1.8728	* 1.8377	* 1.8075	* .8774 *
	* 1.6897	* 1.6782	* 1.7225	* 1.7126	* 1.7486	* 1.7578	* 1.7682	* 3.4888 *
10	* 2.0516	* 1.9858	* 2.0883	* 2.0296	* 1.9188	* 1.8267	* 1.8250	* .8597 *
	* 1.7142	* 1.7226	* 1.6276	* 1.6814	* 1.7354	* 1.8224	* 1.8097	* 3.6548 *
11	* 1.9014	* 1.9569	* 2.0288	* 1.9414	* 1.7518	* 1.7446	* 1.8803	* .8522 *
	* 1.7485	* 1.7128	* 1.6821	* 1.7697	* 1.9911	* 1.9495	* 1.8310	* 3.8287 *
12	* 1.8374	* 1.8719	* 1.9178	* 1.7503	* 1.8231	* 1.9464	* 1.1991 *	
	* 1.7529	* 1.7491	* 1.7364	* 1.9927	* 1.8590	* 1.7282	* 2.7960 *	
13	* 1.7177	* 1.8362	* 1.8239	* 1.7416	* 1.9448	* 1.3155	* .6689 *	
	* 1.8458	* 1.7585	* 1.8254	* 1.9518	* 1.7293	* 2.5134	* 4.8531 *	
14	* 1.7683	* 1.8045	* 1.8163	* 1.8699	* 1.1940	* .6673 *		
	* 1.7808	* 1.7690	* 1.8142	* 1.8407	* 2.8072	* 4.8637 *		
15	* .8655	* .8789	* .8550	* .7976	F-SUB-Q			
	* 3.5152	* 3.4766	* 3.6669	* 4.0930	M-SUB-Q			

AT 30% POWER, 4 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.9232	* 2.1244	* 2.0398	* 1.8905	* 1.8390	* 1.7099	* 1.7714	* .8637 *
	* 1.9228	* 1.7561	* 1.7932	* 1.8302	* 1.8241	* 1.9301	* 1.8495	* 3.6702 *
9	* 2.1244	* 2.1384	* 1.9747	* 1.9543	* 1.8690	* 1.8273	* 1.8148	* .8782 *
	* 1.7561	* 1.7468	* 1.8027	* 1.7839	* 1.8262	* 1.8416	* 1.8352	* 3.6243 *
10	* 2.0400	* 1.9743	* 2.0791	* 2.0252	* 1.9215	* 1.8233	* 1.8433	* .8622 *
	* 1.7930	* 1.8029	* 1.7010	* 1.7544	* 1.8050	* 1.8982	* 1.8744	* 3.7906 *
11	* 1.8905	* 1.9543	* 2.0243	* 1.9421	* 1.7579	* 1.7543	* 1.9014	* .8604 *
	* 1.8302	* 1.7842	* 1.7552	* 1.8423	* 2.0671	* 2.0187	* 1.8770	* 3.9576 *
12	* 1.8390	* 1.8679	* 1.9204	* 1.7567	* 1.8246	* 1.9625	* 1.2155 *	
	* 1.8241	* 1.8268	* 1.8060	* 2.0688	* 1.9383	* 1.7902	* 2.8806 *	
13	* 1.7099	* 1.8258	* 1.8206	* 1.7514	* 1.9609	* 1.3281	* .6738 *	
	* 1.9301	* 1.8423	* 1.9022	* 2.0212	* 1.7914	* 2.6048	* 5.0478 *	
14	* 1.7715	* 1.8119	* 1.8349	* 1.8914	* 1.2106	* .6722 *		
	* 1.8495	* 1.8362	* 1.8787	* 1.8866	* 2.8919	* 5.0586 *		
15	* .8648	* .8815	* .8584	* .8080	F-SUB-Q			
	* 3.6656	* 3.6111	* 3.8021	* 4.2159	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.9037	* 2.1066	* 2.0224	* 1.8755	* 1.8367	* 1.6991	* 1.7753	* .8560
	* 2.0067	* 1.8260	* 1.8989	* 1.9387	* 1.9205	* 2.0411	* 1.9386	* 3.8949
9	* 2.1066	* 2.1302	* 1.9573	* 1.9495	* 1.8605	* 1.8178	* 1.8210	* .8683
	* 1.8260	* 1.8083	* 1.9109	* 1.8791	* 1.9298	* 1.9420	* 1.9233	* 3.8672
10	* 2.0226	* 1.9569	* 2.0668	* 2.0165	* 1.9212	* 1.8171	* 1.8560	* .8531
	* 1.8987	* 1.9113	* 1.7984	* 1.8521	* 1.8983	* 1.9969	* 1.9614	* 4.0446
11	* 1.8755	* 1.9493	* 2.0156	* 1.9401	* 1.7436	* 1.7609	* 1.9170	* .8497
	* 1.9387	* 1.8796	* 1.8530	* 1.9391	* 2.1480	* 2.0967	* 1.9224	* 4.2176
12	* 1.8367	* 1.8593	* 1.9201	* 1.7423	* 1.8217	* 1.9733	* 1.2020	*
	* 1.9205	* 1.9306	* 1.8995	* 2.1499	* 2.0254	* 1.8601	* 3.0413	*
13	* 1.6991	* 1.8163	* 1.8145	* 1.7581	* 1.9716	* 1.3141	* .6627	*
	* 2.0411	* 1.9427	* 2.0009	* 2.0993	* 1.8616	* 2.7580	* 5.3806	*
14	* 1.7753	* 1.8183	* 1.8479	* 1.9073	* 1.1972	* .6613	*	*
	* 1.9386	* 1.9244	* 1.9657	* 1.9320	* 3.0531	* 5.3918	*	*
15	* .8570	* .8701	* .8490	* .7967	F-SUB-Q			
	* 3.8899	* 3.8529	* 4.0558	* 4.4999	M-SUB-Q			

AT 30% POWER, 4 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.8627	* 2.0635	* 1.9814	* 1.8388	* 1.8084	* 1.6697	* 1.7528	* .8417
	* 2.1391	* 1.9450	* 2.0316	* 2.1009	* 2.0726	* 2.2053	* 2.0825	* 4.2030
9	* 2.0635	* 2.0913	* 1.9170	* 1.9175	* 1.8296	* 1.7871	* 1.7998	* .8537
	* 1.9450	* 1.9216	* 2.0717	* 2.0295	* 2.0862	* 2.0922	* 2.0657	* 4.1766
10	* 1.9816	* 1.9165	* 2.0293	* 1.9831	* 1.8941	* 1.7883	* 1.8392	* .8391
	* 2.0314	* 2.0723	* 1.9464	* 1.9901	* 2.0461	* 2.1495	* 2.1012	* 4.3582
11	* 1.8388	* 1.9173	* 1.9820	* 1.9107	* 1.7145	* 1.7407	* 1.9012	* .8367
	* 2.1009	* 2.0301	* 1.9912	* 2.0679	* 2.2799	* 2.2082	* 2.0237	* 4.5076
12	* 1.8084	* 1.8284	* 1.8929	* 1.7132	* 1.7943	* 1.9526	* 1.1848	*
	* 2.0726	* 2.0871	* 2.0475	* 2.2820	* 2.1433	* 1.9640	* 3.2130	*
13	* 1.6697	* 1.7856	* 1.7857	* 1.7383	* 1.9508	* 1.2944	* .6505	*
	* 2.2053	* 2.0929	* 2.1536	* 2.2110	* 1.9656	* 2.9354	* 5.7402	*
14	* 1.7528	* 1.7972	* 1.8314	* 1.8919	* 1.1802	* .6491	*	*
	* 2.0825	* 2.0668	* 2.1090	* 2.0334	* 3.2250	* 5.7521	*	*
15	* .8429	* .8555	* .8351	* .7848	F-SUB-Q			
	* 4.1973	* 4.1608	* 4.3702	* 4.8059	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.8201	* 2.0189	* 1.9386	* 1.8002	* 1.7784	* 1.6375	* 1.7287	* .8247
	* 2.3355	* 2.1141	* 2.1793	* 2.2693	* 2.2145	* 2.3522	* 2.2047	* 4.4562
9	* 2.0189	* 2.0521	* 1.8761	* 1.8847	* 1.7956	* 1.7540	* 1.7759	* .8347
	* 2.1141	* 2.0789	* 2.2417	* 2.1842	* 2.2350	* 2.2243	* 2.1878	* 4.4424
10	* 1.9387	* 1.8756	* 1.9903	* 1.9469	* 1.8647	* 1.7568	* 1.8172	* .8203
	* 2.1791	* 2.2424	* 2.0932	* 2.1344	* 2.1924	* 2.2887	* 2.2302	* 4.6539
11	* 1.8003	* 1.8844	* 1.9458	* 1.8794	* 1.6806	* 1.7182	* 1.8801	* .8164
	* 2.2693	* 2.1849	* 2.1357	* 2.2109	* 2.4654	* 2.3700	* 2.1603	* 4.8528
12	* 1.7784	* 1.7943	* 1.8635	* 1.6790	* 1.7641	* 1.9277	* 1.1564	*
	* 2.2145	* 2.2360	* 2.1939	* 2.4676	* 2.3194	* 2.1100	* 3.4885	*
13	* 1.6375	* 1.7525	* 1.7543	* 1.7155	* 1.9259	* 1.2648	* .6333	*
	* 2.3522	* 2.2250	* 2.2931	* 2.3757	* 2.1118	* 3.1853	* 6.2364	*
14	* 1.7287	* 1.7735	* 1.8097	* 1.8711	* 1.1520	* .6319	*	*
	* 2.2047	* 2.1889	* 2.2348	* 2.1706	* 3.5011	* 6.2488	*	*
15	* .8259	* .8366	* .8166	* .7680	F-SUB-Q			
	* 4.4500	* 4.4303	* 4.6656	* 5.1582	M-SUB-Q			

AT 30% POWER, 4 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.7476	* 1.9386	* 1.8631	* 1.7306	* 1.7083	* 1.5773	* 1.6616	* .8034
	* 2.5903	* 2.3381	* 2.4177	* 2.4959	* 2.4216	* 2.5607	* 2.4028	* 4.7834
9	* 1.9386	* 1.9655	* 1.8025	* 1.8077	* 1.7286	* 1.6894	* 1.7085	* .8150
	* 2.3381	* 2.3037	* 2.4694	* 2.4075	* 2.4378	* 2.4169	* 2.3805	* 4.7324
10	* 1.8633	* 1.8020	* 1.9143	* 1.8739	* 1.7902	* 1.6922	* 1.7507	* .8009
	* 2.4175	* 2.4703	* 2.3156	* 2.3692	* 2.4101	* 2.4798	* 2.4199	* 4.9232
11	* 1.7306	* 1.8073	* 1.8727	* 1.8049	* 1.6310	* 1.6554	* 1.8104	* .8038
	* 2.4959	* 2.4083	* 2.3706	* 2.4569	* 2.7074	* 2.6122	* 2.3821	* 5.1167
12	* 1.7083	* 1.7274	* 1.7890	* 1.6298	* 1.7002	* 1.8550	* 1.1401	*
	* 2.4216	* 2.4390	* 2.4118	* 2.7094	* 2.5876	* 2.3598	* 3.7828	*
13	* 1.5773	* 1.6879	* 1.6898	* 1.6516	* 1.8533	* 1.2436	* .6238	*
	* 2.5607	* 2.4176	* 2.4846	* 2.6216	* 2.3619	* 3.4881	* 6.8002	*
14	* 1.6616	* 1.7062	* 1.7436	* 1.8019	* 1.1359	* .6225	*	*
	* 2.4028	* 2.3817	* 2.4249	* 2.3930	* 3.7965	* 6.8136	*	*
15	* .8044	* .8182	* .7989	* .7569	F-SUB-Q			
	* 4.7772	* 4.7143	* 4.9354	* 5.4370	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.7048	* 1.8948	* 1.8204	* 1.6921	* 1.6804	* 1.5441	* 1.6410	* .7811
	* 2.8700	* 2.5855	* 2.6289	* 2.6619	* 2.5641	* 2.7218	* 2.5238	* 5.0850
9	* 1.8948	* 1.9310	* 1.7616	* 1.7787	* 1.6941	* 1.6588	* 1.6873	* .7883
	* 2.5855	* 2.5350	* 2.6462	* 2.5550	* 2.5934	* 2.5587	* 2.5056	* 5.0843
10	* 1.8205	* 1.7611	* 1.8756	* 1.8381	* 1.7642	* 1.6597	* 1.7301	* .7744
	* 2.6286	* 2.6472	* 2.4746	* 2.5357	* 2.5508	* 2.6363	* 2.5553	* 5.3298
11	* 1.6922	* 1.7780	* 1.8369	* 1.7765	* 1.5845	* 1.6356	* 1.7914	* .7719
	* 2.6618	* 2.5560	* 2.5373	* 2.6418	* 2.9942	* 2.8263	* 2.5705	* 5.5503
12	* 1.6804	* 1.6929	* 1.7630	* 1.5829	* 1.6683	* 1.8320	* 1.0941	*
	* 2.5641	* 2.5946	* 2.5526	* 2.9970	* 2.8318	* 2.5644	* 4.2347	*
13	* 1.5441	* 1.6572	* 1.6574	* 1.6297	* 1.8302	* 1.1980	* .5968	*
	* 2.7218	* 2.5592	* 2.6411	* 2.8376	* 2.5673	* 3.8950	* 7.6244	*
14	* 1.6410	* 1.6851	* 1.7232	* 1.7831	* 1.0901	* .5956	*	*
	* 2.5238	* 2.5067	* 2.5602	* 2.5837	* 4.2494	* 7.6391	*	*
15	* .7822	* .7902	* .7711	* .7240	* F-SUB-Q			
	* 5.0777	* 5.0684	* 5.3419	* 5.9197	* M-SUB-Q			

AT 30% POWER, 4 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.6427	* 1.8274	* 1.7560	* 1.6332	* 1.6261	* 1.4925	* 1.5911	* .7564
	* 2.9496	* 2.6540	* 2.7433	* 2.8906	* 2.7714	* 2.9410	* 2.7119	* 5.4553
9	* 1.8274	* 1.8647	* 1.6990	* 1.7207	* 1.6383	* 1.6057	* 1.6367	* .7630
	* 2.6540	* 2.5978	* 2.8270	* 2.7704	* 2.8062	* 2.7566	* 2.6927	* 5.4600
10	* 1.7562	* 1.6984	* 1.8120	* 1.7777	* 1.7090	* 1.6052	* 1.6801	* .7492
	* 2.7430	* 2.8280	* 2.6462	* 2.6935	* 2.7637	* 2.8412	* 2.7459	* 5.7218
11	* 1.6332	* 1.7199	* 1.7765	* 1.7192	* 1.5311	* 1.5881	* 1.7404	* .7478
	* 2.8905	* 2.7716	* 2.6952	* 2.7817	* 3.1246	* 3.0104	* 2.7488	* 5.9898
12	* 1.6261	* 1.6370	* 1.7077	* 1.5295	* 1.6140	* 1.7771	* 1.0604	*
	* 2.7714	* 2.8075	* 2.7658	* 3.1271	* 3.0017	* 2.7284	* 4.5009	*
13	* 1.4925	* 1.6042	* 1.6030	* 1.5824	* 1.7753	* 1.1609	* .5770	*
	* 2.9410	* 2.7571	* 2.8462	* 3.0208	* 2.7329	* 4.1628	* 8.2184	*
14	* 1.5911	* 1.6346	* 1.6735	* 1.7325	* 1.0566	* .5758	*	*
	* 2.7119	* 2.6938	* 2.7510	* 2.7609	* 4.5167	* 8.2343	*	*
15	* .7575	* .7649	* .7461	* .7019	* F-SUB-Q			
	* 5.4474	* 5.4395	* 5.7341	* 6.3833	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5664	* 1.7423	* 1.6757	* 1.5586	* 1.5511	* 1.4267	* 1.5193	* .7300 *
	* 2.9737	* 2.6756	* 2.7502	* 2.7943	* 2.7173	* 2.9088	* 2.7273	* 5.5069 *
9	* 1.7423	* 1.7749	* 1.6206	* 1.6399	* 1.5655	* 1.5369	* 1.5638	* .7367 *
	* 2.6756	* 2.6235	* 2.7707	* 2.6895	* 2.7523	* 2.7610	* 2.7124	* 5.4809 *
10	* 1.6759	* 1.6201	* 1.7307	* 1.6982	* 1.6283	* 1.5363	* 1.6071	* .7238 *
	* 2.7499	* 2.7720	* 2.6038	* 2.6723	* 2.7027	* 2.8578	* 2.7797	* 5.7695 *
11	* 1.5586	* 1.6391	* 1.6970	* 1.6396	* 1.4737	* 1.5190	* 1.6643	* .7271 *
	* 2.7942	* 2.6907	* 2.6741	* 2.7881	* 3.1244	* 3.0315	* 2.7686	* 6.0750 *
12	* 1.5511	* 1.5642	* 1.6271	* 1.4724	* 1.5437	* 1.6978	* 1.0321	*
	* 2.7173	* 2.7539	* 2.7048	* 3.1269	* 3.0250	* 2.7519	* 4.4579	*
13	* 1.4267	* 1.5355	* 1.5336	* 1.5137	* 1.6960	* 1.1273	* .5611	*
	* 2.9088	* 2.7614	* 2.8627	* 3.0418	* 2.7565	* 4.1355	* 8.1543	*
14	* 1.5193	* 1.5619	* 1.6009	* 1.6569	* 1.0285	* .5600	*	*
	* 2.7273	* 2.7128	* 2.7846	* 2.7806	* 4.4733	* 8.1700	*	*
15	* .7309	* .7397	* .7222	* .6851	F-SUB-Q			
	* 5.4992	* 5.4591	* 5.7808	* 6.4475	M-SUB-Q			

AT 30% POWER, 4 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.5134	* 1.6869	* 1.6219	* 1.5094	* 1.5105	* 1.3830	* 1.4852	* .7028 *
	* 2.9121	* 2.6087	* 2.6310	* 2.6749	* 2.5924	* 2.7885	* 2.5939	* 5.3219 *
9	* 1.6869	* 1.7267	* 1.5692	* 1.5974	* 1.5193	* 1.4936	* 1.5287	* .7065 *
	* 2.6087	* 2.5371	* 2.6528	* 2.5604	* 2.6342	* 2.6391	* 2.5809	* 5.3524 *
10	* 1.6221	* 1.5686	* 1.6788	* 1.6494	* 1.5883	* 1.4944	* 1.5723	* .6932 *
	* 2.6307	* 2.6541	* 2.4863	* 2.5494	* 2.5716	* 2.7300	* 2.6421	* 5.6426 *
11	* 1.5095	* 1.5966	* 1.6501	* 1.5977	* 1.4173	* 1.4858	* 1.6301	* .6918 *
	* 2.6748	* 2.5616	* 2.5482	* 2.6519	* 3.0297	* 2.8806	* 2.6302	* 5.9384 *
12	* 1.5105	* 1.5180	* 1.5870	* 1.4158	* 1.4990	* 1.6596	* .9815	*
	* 2.5924	* 2.6359	* 2.5737	* 3.0321	* 2.9179	* 2.6269	* 4.3384	*
13	* 1.3830	* 1.4923	* 1.4916	* 1.4806	* 1.6578	* 1.0757	* .5316	*
	* 2.7885	* 2.6395	* 2.7345	* 2.8897	* 2.6310	* 4.0238	* 7.9070	*
14	* 1.4852	* 1.5269	* 1.5663	* 1.6230	* .9781	* .5306	*	*
	* 2.5939	* 2.5812	* 2.6466	* 2.6407	* 4.3524	* 7.9213	*	*
15	* .7038	* .7083	* .6905	* .6500	F-SUB-Q			
	* 5.3141	* 5.3313	* 5.6530	* 6.3231	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.4494	* 1.6169	* 1.5550	* 1.4476	* 1.4529	* 1.3279	* 1.4326	* .6750
	* 2.6615	* 2.3830	* 2.4525	* 2.5120	* 2.4269	* 2.6172	* 2.4216	* 4.9527
9	* 1.6169	* 1.6586	* 1.5047	* 1.5366	* 1.4597	* 1.4370	* 1.4750	* .6773
	* 2.3830	* 2.3170	* 2.4913	* 2.3962	* 2.4705	* 2.4727	* 2.4090	* 4.9868
10	* 1.5551	* 1.5041	* 1.6122	* 1.5868	* 1.5296	* 1.4385	* 1.5187	* .6643
	* 2.4522	* 2.4927	* 2.3349	* 2.3841	* 2.4023	* 2.5510	* 2.4601	* 5.2570
11	* 1.4477	* 1.5357	* 1.5855	* 1.5372	* 1.3604	* 1.4349	* 1.5758	* .6625
	* 2.5118	* 2.3974	* 2.3859	* 2.4555	* 2.7708	* 2.6198	* 2.3886	* 5.5137
12	* 1.4529	* 1.4584	* 1.5283	* 1.3590	* 1.4408	* 1.6008		* .9404
	* 2.4269	* 2.4720	* 2.4041	* 2.7736	* 2.6624	* 2.3889		* 3.9734
13	* 1.3279	* 1.4358	* 1.4358	* 1.4300	* 1.5991	* 1.0308		* .5076
	* 2.6172	* 2.4728	* 2.5549	* 2.6280	* 2.3927	* 3.6879		* 7.2798
14	* 1.4326	* 1.4733	* 1.5131	* 1.5690	* .9372	* .5067		*
	* 2.4216	* 2.4095	* 2.4640	* 2.3981	* 3.9862	* 7.2931		*
15	* .6760	* .6791	* .6617	* .6247	F-SUB-Q			
	* 4.9454	* 4.9708	* 5.2657	* 5.8448	M-SUB-Q			

AT 30% POWER, 4 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3835	* 1.5446	* 1.4860	* 1.3836	* 1.3907	* 1.2703	* 1.3726	* .6476
	* 2.4577	* 2.1981	* 2.2407	* 2.2810	* 2.2051	* 2.3814	* 2.2022	* 4.5096
9	* 1.5446	* 1.5853	* 1.4375	* 1.4698	* 1.3965	* 1.3759	* 1.4136	* .6494
	* 2.1981	* 2.1358	* 2.2599	* 2.1726	* 2.2445	* 2.2475	* 2.1889	* 4.5427
10	* 1.4861	* 1.4369	* 1.5415	* 1.5184	* 1.4638	* 1.3780	* 1.4562	* .6366
	* 2.2404	* 2.2613	* 2.1144	* 2.1598	* 2.1790	* 2.3129	* 2.2307	* 4.7743
11	* 1.3837	* 1.4690	* 1.5171	* 1.4711	* 1.3003	* 1.3756	* 1.5109	* .6360
	* 2.2809	* 2.1738	* 2.1616	* 2.2426	* 2.5544	* 2.4100	* 2.1961	* 4.9893
12	* 1.3907	* 1.3952	* 1.4625	* 1.2988	* 1.3786	* 1.5337		* .9030
	* 2.2051	* 2.2460	* 2.1807	* 2.5566	* 2.4634	* 2.2076		* 3.6621
13	* 1.2703	* 1.3748	* 1.3754	* 1.3710	* 1.5319	* .9894		* .4870
	* 2.3814	* 2.2476	* 2.3165	* 2.4177	* 2.2112	* 3.4067		* 6.7440
14	* 1.3726	* 1.4120	* 1.4508	* 1.5045	* .9000			* .4860
	* 2.2022	* 2.1894	* 2.2342	* 2.2049	* 3.6739			* 6.7562
15	* .6485	* .6512	* .6343	* .5981	F-SUB-Q			
	* 4.5029	* 4.5253	* 4.7822	* 5.3064	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.3120	* 1.4643	* 1.4096	* 1.3127	* 1.3184	* 1.2062	* 1.3016	* .6202 *
	* 2.3713	* 2.1219	* 2.1517	* 2.1934	* 2.1267	* 2.2956	* 2.1272	* 4.3260 *
9	* 1.4643	* 1.5005	* 1.3631	* 1.3926	* 1.3257	* 1.3070	* 1.3407	* .6228 *
	* 2.1219	* 2.0666	* 2.1694	* 2.0907	* 2.1601	* 2.1645	* 2.1117	* 4.3266 *
10	* 1.4098	* 1.3625	* 1.4630	* 1.4393	* 1.3874	* 1.3090	* 1.3822	* .6110 *
	* 2.1514	* 2.1708	* 2.0278	* 2.0726	* 2.0966	* 2.2203	* 2.1468	* 4.5314 *
11	* 1.3127	* 1.3917	* 1.4382	* 1.3941	* 1.2437	* 1.3055	* 1.4337	* .6143 *
	* 2.1932	* 2.0919	* 2.0742	* 2.1537	* 2.4459	* 2.3262	* 2.1189	* 4.7106 *
12	* 1.3184	* 1.3245	* 1.3862	* 1.2426	* 1.3085	* 1.4538	* .8729 *	
	* 2.1267	* 2.1617	* 2.0983	* 2.4480	* 2.3769	* 2.1320	* 3.4727 *	
13	* 1.2062	* 1.3060	* 1.3066	* 1.3011	* 1.4521	* .9535	* .4704 *	
	* 2.2956	* 2.1646	* 2.2238	* 2.3336	* 2.1355	* 3.2455	* 6.4157 *	
14	* 1.3016	* 1.3392	* 1.3771	* 1.4276	* .8700	* .4695 *		
	* 2.1272	* 2.1122	* 2.1502	* 2.1274	* 3.4840	* 6.4275 *		
15	* .6212	* .6252	* .6098	* .5794	F-SUB-Q			
	* 4.3196	* 4.3089	* 4.5387	* 4.9934	M-SUB-Q			

AT 30% POWER, 4 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2625	* 1.4122	* 1.3585	* 1.2653	* 1.2779	* 1.1631	* 1.2653	* .5931 *
	* 2.1844	* 1.9502	* 1.9748	* 2.0171	* 1.9506	* 2.1176	* 1.9480	* 4.0380 *
9	* 1.4122	* 1.4545	* 1.3145	* 1.3507	* 1.2799	* 1.2627	* 1.3029	* .5929 *
	* 1.9502	* 1.8840	* 1.9925	* 1.9086	* 1.9870	* 1.9899	* 1.9326	* 4.0746 *
10	* 1.3586	* 1.3139	* 1.4125	* 1.3930	* 1.3471	* 1.2651	* 1.3424	* .5801 *
	* 1.9746	* 1.9938	* 1.8553	* 1.8915	* 1.9130	* 2.0349	* 1.9586	* 4.2765 *
11	* 1.2654	* 1.3499	* 1.3917	* 1.3523	* 1.1891	* 1.2677	* 1.3939	* .5785 *
	* 2.0169	* 1.9098	* 1.8931	* 1.9612	* 2.2577	* 2.1058	* 1.9142	* 4.4271 *
12	* 1.2779	* 1.2787	* 1.3459	* 1.1878	* 1.2625	* 1.4113	* .8217 *	
	* 1.9506	* 1.9885	* 1.9146	* 2.2598	* 2.1787	* 1.9492	* 3.2728 *	
13	* 1.1631	* 1.2616	* 1.2628	* 1.2634	* 1.4096	* .9011	* .4413 *	
	* 2.1176	* 1.9899	* 2.0382	* 2.1127	* 1.9525	* 3.0394	* 6.0772 *	
14	* 1.2653	* 1.3014	* 1.3375	* 1.3881	* .8189	* .4405 *		
	* 1.9480	* 1.9331	* 1.9618	* 1.9221	* 3.2838	* 6.0884 *		
15	* .5940	* .5946	* .5780	* .5458	F-SUB-Q			
	* 4.0319	* 4.0612	* 4.2837	* 4.6918	M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.2030	* 1.3467	* 1.2952	* 1.2063	* 1.2188	* 1.1095	* 1.2088	* .5665
	* 2.0204	* 1.8111	* 1.8518	* 1.8978	* 1.8402	* 1.9997	* 1.8384	* 3.8232
9	* 1.3467	* 1.3877	* 1.2536	* 1.2890	* 1.2206	* 1.2054	* 1.2440	* .5651
	* 1.8111	* 1.7586	* 1.8703	* 1.7918	* 1.8724	* 1.8755	* 1.8214	* 3.8602
10	* 1.2954	* 1.2530	* 1.3485	* 1.3298	* 1.2857	* 1.2070	* 1.2799	* .5522
	* 1.8516	* 1.8715	* 1.7366	* 1.7681	* 1.7958	* 1.9100	* 1.8401	* 4.0441
11	* 1.2064	* 1.2882	* 1.3286	* 1.2908	* 1.1332	* 1.2083	* 1.3289	* .5502
	* 1.8977	* 1.7928	* 1.7697	* 1.8331	* 2.1150	* 1.9767	* 1.7954	* 4.1646
12	* 1.2188	* 1.2194	* 1.2845	* 1.1319	* 1.2034	* 1.3450		* .7810
	* 1.8402	* 1.8742	* 1.7973	* 2.1174	* 2.0191	* 1.8095	* 3.0564	
13	* 1.1095	* 1.2044	* 1.2047	* 1.2042	* 1.3433	* .8577	* .4194	
	* 1.9997	* 1.8756	* 1.9132	* 1.9833	* 1.8127	* 2.8339	* 5.6808	
14	* 1.2088	* 1.2426	* 1.2751	* 1.3232	* .7783	* .4186		
	* 1.8384	* 1.8221	* 1.8433	* 1.8029	* 3.0667	* 5.6916		
15	* .5673	* .5667	* .5502	* .5190	* F-SUB-Q			
	* 3.8175	* 3.8482	* 4.0512	* 4.4150	* M-SUB-Q			

AT 30% POWER, 4 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.1321	* 1.2661	* 1.2183	* 1.1346	* 1.1391	* 1.0450	* 1.1293	* .5399
	* 1.9526	* 1.7536	* 1.7771	* 1.8348	* 1.7963	* 1.9393	* 1.7974	* 3.6750
9	* 1.2661	* 1.2964	* 1.1781	* 1.2044	* 1.1466	* 1.1336	* 1.1613	* .5398
	* 1.7536	* 1.7022	* 1.8020	* 1.7402	* 1.8116	* 1.8178	* 1.7780	* 3.6870
10	* 1.2185	* 1.1776	* 1.2686	* 1.2485	* 1.2003	* 1.1336	* 1.1906	* .5281
	* 1.7768	* 1.8031	* 1.6701	* 1.7014	* 1.7453	* 1.8437	* 1.7911	* 3.8348
11	* 1.1347	* 1.2037	* 1.2475	* 1.2072	* 1.0741	* 1.1237	* 1.2339	* .5283
	* 1.8347	* 1.7412	* 1.7028	* 1.7692	* 2.0079	* 1.9064	* 1.7328	* 3.9294
12	* 1.1391	* 1.1455	* 1.1992	* 1.0731	* 1.1295	* 1.2513	* .7490	
	* 1.7963	* 1.8133	* 1.7468	* 2.0098	* 1.9466	* 1.7611	* 2.8981	
13	* 1.0450	* 1.1327	* 1.1314	* 1.1198	* 1.2499	* .8216	* .4037	
	* 1.9393	* 1.8199	* 1.8469	* 1.9131	* 1.7642	* 2.6727	* 5.3506	
14	* 1.1293	* 1.1599	* 1.1861	* 1.2285	* .7464	* .4029		
	* 1.7974	* 1.7787	* 1.7945	* 1.7405	* 2.9082	* 5.3609		
15	* .5406	* .5421	* .5271	* .4981	* F-SUB-Q			
	* 3.6700	* 3.6719	* 3.8421	* 4.1680	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* 1.0757	* 1.2038	* 1.1568	* 1.0794	* 1.0819	* .9959	* 1.0766	* .5136 *
	* 1.8628	* 1.6662	* 1.7115	* 1.7760	* 1.7477	* 1.8822	* 1.7447	* 3.5845 *
9	* 1.2038	* 1.2304	* 1.1200	* 1.1447	* 1.0910	* 1.0807	* 1.1045	* .5106 *
	* 1.6662	* 1.6318	* 1.7415	* 1.6837	* 1.7527	* 1.7588	* 1.7236	* 3.6239 *
10	* 1.1570	* 1.1195	* 1.2092	* 1.1896	* 1.1412	* 1.0790	* 1.1242	* .4956 *
	* 1.7113	* 1.7423	* 1.6065	* 1.6339	* 1.6871	* 1.7788	* 1.7347	* 3.7849 *
11	* 1.0794	* 1.1440	* 1.1886	* 1.1483	* 1.0143	* 1.0605	* 1.1639	* .4905 *
	* 1.7759	* 1.6846	* 1.6352	* 1.7006	* 1.9412	* 1.8450	* 1.6774	* 3.8862 *
12	* 1.0819	* 1.0900	* 1.1402	* 1.0131	* 1.0741	* 1.1820		* .6914 *
	* 1.7477	* 1.7543	* 1.6885	* 1.9434	* 1.8720	* 1.7056		* 2.8536 *
13	* .9959	* 1.0797	* 1.0770	* 1.0567	* 1.1806	* .7646		* .3734 *
	* 1.8822	* 1.7602	* 1.7820	* 1.8518	* 1.7087	* 2.6486		* 5.3261 *
14	* 1.0766	* 1.1031	* 1.1197	* 1.1585	* .6889	* .3726		
	* 1.7447	* 1.7258	* 1.7380	* 1.6853	* 2.8642	* 5.3371		
15	* .5144	* .5119	* .4936	* .4602	* F-SUB-Q			
	* 3.5793	* 3.6141	* 3.7930	* 4.1430	* M-SUB-Q			

AT 30% POWER, 4 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .9807	* 1.0986	* 1.0501	* .9889	* .9993	* .9175	* .9870	* .4859 *
	* 1.8903	* 1.6921	* 1.7488	* 1.8100	* 1.7703	* 1.9169	* 1.7851	* 3.5647 *
9	* 1.0986	* 1.1180	* 1.0224	* 1.0458	* 1.0023	* .9904	* 1.0094	* .4837 *
	* 1.6921	* 1.6640	* 1.7755	* 1.7188	* 1.7807	* 1.7938	* 1.7638	* 3.5964 *
10	* 1.0502	* 1.0220	* 1.1030	* 1.0899	* 1.0406	* .9885	* 1.0179	* .4657 *
	* 1.7487	* 1.7764	* 1.6401	* 1.6585	* 1.7257	* 1.8123	* 1.7745	* 3.7701 *
11	* .9889	* 1.0453	* 1.0891	* 1.0484	* .9382	* .9637	* 1.0445	* .4502 *
	* 1.8100	* 1.7197	* 1.6598	* 1.7307	* 1.9491	* 1.8910	* 1.7366	* 3.9549 *
12	* .9993	* 1.0014	* 1.0397	* .9371	* .9750	* 1.0667		* .6316 *
	* 1.7703	* 1.7822	* 1.7271	* 1.9513	* 1.8971	* 1.7358		* 2.8967 *
13	* .9175	* .9895	* .9864	* .9620	* 1.0647	* .6975		* .3383 *
	* 1.9169	* 1.7954	* 1.8158	* 1.8984	* 1.7390	* 2.6687		* 5.4309 *
14	* .9870	* 1.0080	* 1.0136	* 1.0394	* .6292	* .3376		
	* 1.7851	* 1.7660	* 1.7781	* 1.7453	* 2.9080	* 5.4425		
15	* .4865	* .4848	* .4645	* .4213	* F-SUB-Q			
	* 3.5601	* 3.5881	* 3.7793	* 4.2262	* M-SUB-Q			

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TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .7840 *	* .8946 *	* .8280 *	* .8060 *	* .9736 *	* .7580 *	* .8929 *	* .4191 *
	* 2.2239 *	* 1.9502 *	* 2.0859 *	* 2.0843 *	* 1.7205 *	* 2.2009 *	* 1.8660 *	* 3.9358 *
9	* .8946 *	* 1.0382 *	* .8212 *	* .9520 *	* .8097 *	* .8066 *	* .9058 *	* .4211 *
	* 1.9502 *	* 1.6773 *	* 2.0916 *	* 1.7801 *	* 2.0734 *	* 2.0863 *	* 1.8527 *	* 3.9301 *
10	* .8281 *	* .8209 *	* .8913 *	* .8981 *	* .8933 *	* .8088 *	* .9012 *	* .4012 *
	* 2.0856 *	* 2.0927 *	* 1.9164 *	* 1.8984 *	* 1.9035 *	* 2.1028 *	* 1.8756 *	* 4.1588 *
11	* .8060 *	* .9516 *	* .8975 *	* .9402 *	* .7936 *	* .9294 *	* .8300 *	* .3668 *
	* 2.0842 *	* 1.7810 *	* 1.8997 *	* 1.8198 *	* 2.1590 *	* 1.8508 *	* 2.0590 *	* 4.5993 *
12	* .9736 *	* .8092 *	* .8924 *	* .7928 *	* .7930 *	* .9037 *	* .5229 *	
	* 1.7205 *	* 2.0748 *	* 1.9053 *	* 2.1610 *	* 2.1969 *	* 1.9299 *	* 3.3082 *	
13	* .7579 *	* .8058 *	* .8064 *	* .9274 *	* .9020 *	* .5695 *	* .2715 *	
	* 2.2009 *	* 2.0884 *	* 2.1075 *	* 1.8548 *	* 1.9334 *	* 3.0772 *	* 6.3907 *	
14	* .8929 *	* .9047 *	* .8987 *	* .8259 *	* .5208 *	* .2709 *		
	* 1.8660 *	* 1.8533 *	* 1.8808 *	* 2.0692 *	* 3.3218 *	* 6.4044 *		
15	* .4195 *	* .4219 *	* .4001 *	* .3459 *	F-SUB-Q			
	* 3.9315 *	* 3.9220 *	* 4.1702 *	* 4.8771 *	M-SUB-Q			

AT 30% POWER, 4 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8	* .3429 *	* .3647 *	* .3346 *	* .3446 *	* .3975 *	* .3252 *	* .3399 *	* .1905 *
	* 4.7716 *	* 4.4793 *	* 4.8418 *	* 4.5984 *	* 3.9655 *	* 4.8454 *	* 4.6161 *	* 8.2111 *
9	* .3647 *	* .4146 *	* .3477 *	* .4021 *	* .3451 *	* .3248 *	* .3428 *	* .1817 *
	* 4.4794 *	* 3.9208 *	* 4.6565 *	* 3.9553 *	* 4.5937 *	* 4.8761 *	* 4.5948 *	* 8.6160 *
10	* .3346 *	* .3476 *	* .3626 *	* .3763 *	* .3921 *	* .3342 *	* .3403 *	* .1739 *
	* 4.8418 *	* 4.6574 *	* 4.4281 *	* 4.2606 *	* 4.0689 *	* 4.8090 *	* 4.6703 *	* 9.0758 *
11	* .3446 *	* .4019 *	* .3761 *	* .4065 *	* .3479 *	* .3740 *	* .3227 *	* .1538 *
	* 4.5985 *	* 3.9572 *	* 4.2626 *	* 3.9442 *	* 4.6274 *	* 4.3119 *	* 4.9797 *	* 10.3697 *
12	* .3975 *	* .3448 *	* .3917 *	* .3476 *	* .3230 *	* .3377 *	* .2213 *	
	* 3.9655 *	* 4.5958 *	* 4.0726 *	* 4.6315 *	* 5.0461 *	* 4.8512 *	* 7.3647 *	
13	* .3252 *	* .3245 *	* .3336 *	* .3732 *	* .3371 *	* .2363 *	* .1187 *	
	* 4.8454 *	* 4.8781 *	* 4.8168 *	* 4.3215 *	* 4.8602 *	* 6.9799 *	* 13.8267 *	
14	* .3399 *	* .3424 *	* .3394 *	* .3214 *	* .2204 *	* .1184 *		
	* 4.6161 *	* 4.5966 *	* 4.6838 *	* 5.0008 *	* 7.3954 *	* 13.8616 *		
15	* .1906 *	* .1823 *	* .1735 *	* .1455 *	F-SUB-Q			
	* 8.2063 *	* 8.5908 *	* 9.1003 *	* 10.9659 *	M-SUB-Q			

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TABLE A-5

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	3.8430	3.8306	4.1745	4.1137	3.4317	4.3266	4.0003	6.8181
9*	3.8306	3.2877	4.0325	3.3552	4.1377	4.3515	3.9777	6.9069
10*	4.1744	4.0328	3.9065	3.7671	3.4337	4.2012	4.0005	7.2062
11*	4.1139	3.3554	3.7683	3.2897	4.0198	3.5920	4.1910	8.1981
12*	3.4317	4.1382	3.4358	4.0226	4.1951	3.9057	5.7011	
13*	4.3266	4.3556	4.2089	3.5990	3.9143	5.3887	9.5369	
14*	4.0003	3.9826	4.0142	4.2106	5.7293	9.5585		
15 *	6.8147	6.9079	7.2443	8.5579				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	1.9144	1.7544	1.8926	1.9311	1.5640	2.0283	1.6847	3.2925
9*	1.7544	1.4797	1.8951	1.5834	1.9384	1.9684	1.6691	3.1345
10*	1.8926	1.8950	1.7785	1.7591	1.6836	1.9056	1.6760	3.2385
11*	1.9312	1.5834	1.7599	1.5864	1.9194	1.6052	1.8020	3.4644
12*	1.5640	1.9386	1.6846	1.9205	1.8884	1.6252	2.5308	
13*	2.0283	1.9700	1.9087	1.6079	1.6279	2.4108	4.3012	
14*	1.6847	1.6719	1.6813	1.8117	2.5423	4.3102		
15 *	3.2897	3.1333	3.2614	3.7050				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	1.6375	1.5108	1.5855	1.6570	1.5825	1.7705	1.5990	2.9462
9*	1.5108	1.4359	1.6142	1.5146	1.6567	1.6634	1.5718	2.8103
10*	1.5854	1.6142	1.5192	1.5319	1.5296	1.6587	1.5420	2.8648
11*	1.6570	1.5146	1.5323	1.5081	1.6968	1.6063	1.5034	2.9287
12*	1.5825	1.6572	1.5300	1.6981	1.6188	1.4389	2.1391	
13*	1.7705	1.6646	1.6612	1.6078	1.4417	2.0373	3.5594	
14*	1.5990	1.5742	1.5492	1.5109	2.1480	3.5673		
15 *	2.9429	2.8033	2.8830	3.1042				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	1.5377	1.4088	1.4802	1.5613	1.4904	1.6707	1.4893	2.8919
9*	1.4088	1.3314	1.5168	1.4113	1.5577	1.5550	1.4567	2.7719
10*	1.4801	1.5169	1.4166	1.4305	1.4205	1.5559	1.4130	2.8073
11*	1.5614	1.4113	1.4310	1.4029	1.6044	1.4769	1.3639	2.8225
12*	1.4904	1.5583	1.4208	1.6056	1.5052	1.3098	2.0449	
13*	1.6707	1.5562	1.5579	1.4781	1.3104	1.9387	3.4167	
14*	1.4893	1.4587	1.4191	1.3706	2.0528	3.4240		
15 *	2.8882	2.7682	2.8233	2.9892				

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TABLE A-5 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	1.5364	1.4022	1.4748	1.5599	1.4739	1.6689	1.4705	2.9168
9*	1.4022	1.3157	1.5120	1.3955	1.5503	1.5482	1.4336	2.7923
10*	1.4747	1.5122	1.4086	1.4207	1.4029	1.5480	1.3784	2.8156
11*	1.5599	1.3956	1.4213	1.3869	1.5979	1.4430	1.3259	2.8090
12*	1.4739	1.5509	1.4034	1.5991	1.4833	1.2767	2.0161	
13*	1.6689	1.5493	1.5499	1.4441	1.2773	1.9172	3.4128	
14*	1.4705	1.4354	1.3840	1.3320	2.0235	3.4198		
15 *	2.9130	2.7878	2.8303	2.9703				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	1.5765	1.4356	1.5112	1.6000	1.5030	1.7091	1.4958	2.9904
9*	1.4356	1.3436	1.5502	1.4242	1.5843	1.5852	1.4547	2.8593
10*	1.5111	1.5504	1.4403	1.4505	1.4294	1.5795	1.3909	2.8772
11*	1.6000	1.4243	1.4512	1.4143	1.6321	1.4586	1.3351	2.8522
12*	1.5030	1.5850	1.4299	1.6336	1.5091	1.2886	2.0358	
13*	1.7091	1.5862	1.5814	1.4598	1.2892	1.9406	3.4818	
14*	1.4958	1.4565	1.3963	1.3410	2.0429	3.4887		
15 *	2.9866	2.8536	2.8913	3.0186				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	1.6331	1.4834	1.5619	1.6535	1.5438	1.7619	1.5286	3.1047
9*	1.4834	1.3831	1.6036	1.4635	1.6316	1.6271	1.4846	2.9737
10*	1.5617	1.6039	1.4836	1.4923	1.4664	1.6184	1.4161	2.9921
11*	1.6535	1.4637	1.4931	1.4522	1.6806	1.4894	1.3568	2.9717
12*	1.5438	1.6324	1.4669	1.6815	1.5495	1.3130	2.1194	
13*	1.7619	1.6284	1.6224	1.4906	1.3138	2.0172	3.6561	
14*	1.5286	1.4865	1.4215	1.3627	2.1267	3.6631		
15 *	3.1008	2.9679	3.0061	3.1381				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	1.7293	1.5663	1.6463	1.7415	1.6191	1.8484	1.5944	3.2641
9*	1.5663	1.4575	1.6912	1.5359	1.7125	1.7006	1.5473	3.1288
10*	1.6461	1.6916	1.5582	1.5661	1.5360	1.6894	1.4747	3.1497
11*	1.7415	1.5362	1.5670	1.5233	1.7678	1.5584	1.4113	3.1274
12*	1.6191	1.7135	1.5366	1.7687	1.6288	1.3729	2.2309	
13*	1.8484	1.7020	1.6935	1.5597	1.3738	2.1263	3.8770	
14*	1.5944	1.5492	1.4802	1.4173	2.2384	3.8844		
15 *	3.2597	3.1222	3.1637	3.3030				

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TABLE A-5 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	1.8550	1.6715	1.7510	1.8459	1.7058	1.9484	1.6702	3.4357
9*	1.6714	1.5502	1.7994	1.6244	1.8119	1.7926	1.6255	3.3031
10*	1.7508	1.7998	1.6517	1.6590	1.6218	1.7822	1.5519	3.3412
11*	1.8459	1.6248	1.6601	1.6119	1.8806	1.6499	1.4841	3.3378
12*	1.7058	1.8129	1.6225	1.8822	1.7359	1.4531	2.3884	
13*	1.9484	1.7939	1.7865	1.6513	1.4542	2.2807	4.1761	
14*	1.6702	1.6271	1.5576	1.4903	2.3964	4.1838		
15 *	3.4309	3.2958	3.3548	3.5194				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	2.0058	1.8046	1.8826	1.9819	1.8323	2.0833	1.7869	3.6231
9*	1.8046	1.6758	1.9325	1.7473	1.9405	1.9122	1.7376	3.4821
10*	1.8824	1.9331	1.7729	1.7808	1.7426	1.9069	1.6643	3.5321
11*	1.9819	1.7478	1.7820	1.7347	2.0230	1.7741	1.5946	3.4996
12*	1.8323	1.9417	1.7434	2.0248	1.8756	1.5731	2.5163	
13*	2.0833	1.9136	1.9110	1.7793	1.5753	2.4205	4.4115	
14*	1.7869	1.7394	1.6701	1.6011	2.5244	4.4196		
15 *	3.6184	3.4687	3.5466	3.6953				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	2.1342	1.9142	1.9909	2.0871	1.9138	2.1819	1.8532	3.8237
9*	1.9142	1.7675	2.0400	1.8316	2.0367	1.9989	1.8067	3.6910
10*	1.9907	2.0407	1.8685	1.8757	1.8232	1.9987	1.7403	3.7519
11*	2.0871	1.8321	1.8770	1.8221	2.1424	1.8594	1.6692	3.7605
12*	1.9138	2.0380	1.8240	2.1443	1.9858	1.6537	2.7267	
13*	2.1819	2.0000	2.0018	1.8648	1.6560	2.6136	4.7965	
14*	1.8532	1.8082	1.7463	1.6758	2.7353	4.8045		
15 *	3.8182	3.6820	3.7666	3.9700				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	2.2408	2.0110	2.0847	2.1844	2.0098	2.3062	1.9585	3.9955
9*	2.0110	1.8527	2.1365	1.9219	2.1515	2.1188	1.9113	3.8647
10*	2.0845	2.1373	1.9686	1.9783	1.9200	2.1196	1.8407	3.9493
11*	2.1844	1.9224	1.9797	1.9194	2.2670	1.9670	1.7634	3.9659
12*	2.0097	2.1528	1.9209	2.2688	2.1130	1.7552	2.8857	
13*	2.3062	2.1199	2.1229	1.9725	1.7577	2.7822	5.0530	
14*	1.9585	1.9129	1.8468	1.7702	2.8941	5.0612		
15 *	3.9897	3.8547	3.9633	4.1855				

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TABLE A-5 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	2.2180	1.9895	2.0608	2.1585	1.9857	2.2831	1.9586	4.0175
9*	1.9895	1.8358	2.1114	1.9030	2.1243	2.1152	1.9179	3.8790
10*	2.0606	2.1123	1.9434	1.9528	1.9017	2.1200	1.8592	3.9825
11*	2.1585	1.9037	1.9542	1.8995	2.2494	1.9851	1.7885	3.9821
12*	1.9857	2.1257	1.9027	2.2510	2.1349	1.7904	2.8825	
13*	2.2831	2.1165	2.1233	1.9906	1.7929	2.7990	5.1358	
14*	1.9586	1.9195	1.8654	1.7953	2.8915	5.1444		
15 *	4.0119	3.8648	3.9894	4.1969				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	2.1447	1.9231	1.9882	2.0734	1.8965	2.1997	1.8767	3.8812
9*	1.9231	1.7622	2.0327	1.8199	2.0441	2.0389	1.8386	3.7705
10*	1.9880	2.0336	1.8771	1.8840	1.8173	2.0462	1.7887	3.8715
11*	2.0733	1.8205	1.8831	1.8222	2.1881	1.9118	1.7189	3.9056
12*	1.8965	2.0455	1.8182	2.1898	2.0717	1.7259	2.8479	
13*	2.1997	2.0399	2.0493	1.9171	1.7284	2.7599	5.0761	
14*	1.8767	1.8401	1.7946	1.7254	2.8562	5.0845		
15 *	3.8755	3.7611	3.8846	4.1196				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	2.0449	1.8299	1.8899	1.9693	1.7956	2.0780	1.7588	3.6563
9*	1.8299	1.6722	1.9312	1.7233	1.9332	1.9156	1.7217	3.5591
10*	1.8897	1.9321	1.7752	1.7777	1.7189	1.9186	1.6659	3.6537
11*	1.9691	1.7239	1.7792	1.7226	2.0644	1.7801	1.5999	3.6733
12*	1.7956	1.9346	1.7199	2.0663	1.9504	1.6137	2.6716	
13*	2.0780	1.9164	1.9214	1.7847	1.6159	2.5944	4.7908	
14*	1.7588	1.7230	1.6710	1.6055	2.6795	4.7984		
15 *	3.6508	3.5500	3.6656	3.8661				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	1.9334	1.7272	1.7857	1.8623	1.6944	1.9616	1.6572	3.4579
9*	1.7272	1.5785	1.8265	1.6283	1.8269	1.8050	1.6217	3.3659
10*	1.7855	1.8274	1.6744	1.6756	1.6234	1.8068	1.5643	3.4570
11*	1.8622	1.6289	1.6771	1.6252	1.9476	1.6710	1.4993	3.4612
12*	1.6944	1.8283	1.6243	1.9495	1.8330	1.5108	2.5059	
13*	1.9616	1.8058	1.8095	1.6755	1.5130	2.4318	4.5105	
14*	1.6572	1.6229	1.5692	1.5046	2.5133	4.5177		
15 *	3.4528	3.3570	3.4681	3.6439				

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-5 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	1.8470	1.6492	1.7048	1.7799	1.6227	1.8765	1.5865	3.2937
9*	1.6492	1.5110	1.7429	1.5570	1.7435	1.7202	1.5483	3.1976
10*	1.7046	1.7438	1.5972	1.6005	1.5524	1.7206	1.4915	3.2763
11*	1.7798	1.5577	1.6018	1.5549	1.8545	1.5939	1.4279	3.2550
12*	1.6227	1.7449	1.5534	1.8560	1.7458	1.4376	2.3489	
13*	1.8765	1.7210	1.7233	1.5982	1.4398	2.2818	4.2450	
14*	1.5864	1.5494	1.4963	1.4331	2.3559	4.2520		
15 *	3.2888	3.1853	3.2812	3.4311				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	1.7378	1.5516	1.6098	1.6842	1.5292	1.7769	1.4894	3.1581
9*	1.5516	1.4172	1.6485	1.4633	1.6468	1.6211	1.4514	3.0799
10*	1.6096	1.6494	1.5049	1.5045	1.4577	1.6188	1.3937	3.1519
11*	1.6841	1.4640	1.5060	1.4598	1.7562	1.4889	1.3301	3.1531
12*	1.5292	1.6482	1.4586	1.7580	1.6365	1.3418	2.2697	
13*	1.7769	1.6219	1.6215	1.4931	1.3439	2.1922	4.1256	
14*	1.4894	1.4526	1.3982	1.3350	2.2766	4.1323		
15 *	3.1533	3.0717	3.1627	3.3119				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	1.6669	1.4877	1.5483	1.6233	1.4742	1.7128	1.4328	3.0528
9*	1.4877	1.3603	1.5870	1.4080	1.5862	1.5576	1.3947	2.9815
10*	1.5481	1.5879	1.4456	1.4449	1.4024	1.5543	1.3376	3.0500
11*	1.6232	1.4087	1.4463	1.4028	1.6891	1.4289	1.2741	3.0487
12*	1.4742	1.5876	1.4033	1.6909	1.5645	1.2832	2.1864	
13*	1.7128	1.5585	1.5575	1.4330	1.2852	2.1019	3.9827	
14*	1.4328	1.3959	1.3421	1.2791	2.1933	3.9894		
15 *	3.0482	2.9736	3.0608	3.2021				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A

8*	1.6307	1.4552	1.5157	1.5931	1.4561	1.6849	1.4191	2.9769
9*	1.4552	1.3402	1.5540	1.3882	1.5579	1.5306	1.3805	2.9014
10*	1.5155	1.5548	1.4152	1.4176	1.3841	1.5287	1.3260	2.9705
11*	1.5930	1.3889	1.4188	1.3808	1.6506	1.4167	1.2633	2.9434
12*	1.4561	1.5592	1.3850	1.6521	1.5354	1.2692	2.1064	
13*	1.6849	1.5315	1.5314	1.4211	1.2713	2.0233	3.8301	
14*	1.4191	1.3817	1.3307	1.2685	2.1134	3.8370		
15 *	2.9728	2.8900	2.9759	3.1056				

Catawba 1 Cycle 18 Core Operating Limits Report

TABLE A-5 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8*	1.5928	1.4189	1.4809	1.5548	1.4243	1.6421	1.3855	2.9253
9*	1.4189	1.3115	1.5173	1.3558	1.5189	1.4931	1.3495	2.8658
10*	1.4808	1.5181	1.3753	1.3781	1.3510	1.4929	1.3046	2.9463
11*	1.5548	1.3564	1.3793	1.3465	1.6147	1.3945	1.2425	2.9602
12*	1.4243	1.5202	1.3519	1.6165	1.4994	1.2478	2.1252	
13*	1.6421	1.4941	1.4957	1.3991	1.2490	2.0226	3.8635	
14*	1.3855	1.3509	1.3097	1.2480	2.1327	3.8707		
15 *	2.9210	2.8586	2.9581	3.1262				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8*	1.6337	1.4520	1.5249	1.5855	1.4404	1.6679	1.4146	2.9069
9*	1.4520	1.3459	1.5494	1.3862	1.5449	1.5227	1.3808	2.8438
10*	1.5247	1.5502	1.4064	1.4032	1.3844	1.5231	1.3480	2.9494
11*	1.5855	1.3868	1.4043	1.3772	1.6309	1.4393	1.2945	3.0362
12*	1.4404	1.5462	1.3853	1.6327	1.5436	1.2887	2.1834	
13*	1.6679	1.5239	1.5263	1.4444	1.2910	2.0806	4.0153	
14*	1.4146	1.3823	1.3536	1.3007	2.1916	4.0232		
15 *	2.9031	2.8374	2.9626	3.2279				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8*	1.9163	1.6717	1.8116	1.8085	1.3882	1.8964	1.4598	3.1876
9*	1.6717	1.3563	1.8112	1.4271	1.7913	1.7589	1.4363	3.0878
10*	1.8114	1.8122	1.6307	1.5911	1.5016	1.7441	1.4388	3.2351
11*	1.8084	1.4278	1.5923	1.4307	1.8150	1.4167	1.5377	3.5313
12*	1.3882	1.7924	1.5029	1.8166	1.7814	1.4316	2.4893	
13*	1.8964	1.7605	1.7491	1.4192	1.4341	2.4023	4.7378	
14*	1.4598	1.4380	1.4426	1.5450	2.4991	4.7477		
15 *	3.1841	3.0824	3.2507	3.7229				

AT 118% POWER, 4 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

	H	G	F	E	D	C	B	A
8*	4.0635	3.7843	4.1353	3.9138	3.1404	4.0908	3.5491	6.5337
9*	3.7843	3.1256	3.9718	3.1118	3.8976	4.0342	3.5165	6.6708
10*	4.1353	3.9726	3.6862	3.5099	3.1569	3.9306	3.5364	6.9697
11*	3.9139	3.1133	3.5120	3.0501	3.8341	3.2541	3.6975	7.8549
12*	3.1404	3.9006	3.1593	3.8374	4.0523	3.5474	5.4838	
13*	4.0908	4.0384	3.9375	3.2601	3.5535	5.3733	10.1159	
14*	3.5491	3.5210	3.5463	3.7153	5.5051	10.1402		
15 *	6.5299	6.6515	6.9881	8.2598				

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TABLE A-6

F-DEL-H & M-DEL-H VALUES - POWER ESCALATION

AT 100% POWER, 4 EFPD

	H	G	F	E	D	C	B	A

8	* 1.2735	* 1.4092	* 1.3596	* 1.2934	* 1.3143	* 1.2039	* 1.2722	* .6484
	* 1.3866	* 1.2691	* 1.3220	* 1.3589	* 1.3732	* 1.4272	* 1.3901	* 2.4985

9	* 1.4092	* 1.4410	* 1.3265	* 1.3623	* 1.3025	* 1.2771	* 1.2999	* .6520
	* 1.2691	* 1.2515	* 1.3400	* 1.3282	* 1.3459	* 1.3734	* 1.3690	* 2.5347

10	* 1.3597	* 1.3262	* 1.4166	* 1.3998	* 1.3527	* 1.2772	* 1.3296	* .6369
	* 1.3219	* 1.3403	* 1.2552	* 1.2865	* 1.3497	* 1.4077	* 1.3610	* 2.6287

11	* 1.2934	* 1.3618	* 1.3991	* 1.3598	* 1.2336	* 1.2699	* 1.3702	* .6294
	* 1.3589	* 1.3286	* 1.2870	* 1.3273	* 1.4423	* 1.4394	* 1.3242	* 2.7020

12	* 1.3143	* 1.3017	* 1.3519	* 1.2327	* 1.2734	* 1.3961	* .8723	*
	* 1.3732	* 1.3466	* 1.3505	* 1.4434	* 1.3688	* 1.2804	* 1.9741	*

13	* 1.2039	* 1.2761	* 1.2757	* 1.2677	* 1.3940	* .9437	* .4902	*
	* 1.4272	* 1.3744	* 1.4099	* 1.4418	* 1.2823	* 1.8126	* 3.4133	*

14	* 1.2722	* 1.2985	* 1.3247	* 1.3644	* .8693	* .4892	*	*
	* 1.3901	* 1.3699	* 1.3660	* 1.3298	* 1.9810	* 3.4197	*	*

15	* .6493	* .6534	* .6341	* .5919	F-DEL-H			
	* 2.4952	* 2.5299	* 2.6371	* 2.9220	M-DEL-H			

AT 75% POWER, 4 EFPD

	H	G	F	E	D	C	B	A

8	* 1.2897	* 1.4319	* 1.3787	* 1.3028	* 1.3172	* 1.2053	* 1.2714	* .6380
	* 1.7096	* 1.5632	* 1.5895	* 1.6125	* 1.5834	* 1.6853	* 1.6124	* 2.8250

9	* 1.4319	* 1.4615	* 1.3428	* 1.3703	* 1.3083	* 1.2811	* 1.3005	* .6420
	* 1.5632	* 1.5480	* 1.5964	* 1.5733	* 1.5975	* 1.6049	* 1.6019	* 2.9847

10	* 1.3788	* 1.3425	* 1.4324	* 1.4119	* 1.3578	* 1.2816	* 1.3273	* .6269
	* 1.5894	* 1.5967	* 1.5029	* 1.5407	* 1.5924	* 1.6464	* 1.6230	* 3.1197

11	* 1.3028	* 1.3698	* 1.4111	* 1.3677	* 1.2356	* 1.2680	* 1.3679	* .6190
	* 1.6125	* 1.5736	* 1.5412	* 1.6326	* 1.8015	* 1.7580	* 1.6096	* 3.2674

12	* 1.3172	* 1.3075	* 1.3570	* 1.2347	* 1.2753	* 1.3968	* .8637	*
	* 1.5834	* 1.5981	* 1.5934	* 1.8030	* 1.7032	* 1.5748	* 2.4910	*

13	* 1.2053	* 1.2799	* 1.2800	* 1.2657	* 1.3945	* .9380	* .4806	*
	* 1.6853	* 1.6064	* 1.6495	* 1.7612	* 1.5773	* 2.2735	* 4.2239	*

14	* 1.2714	* 1.2991	* 1.3221	* 1.3617	* .8606	* .4797	*	*
	* 1.6124	* 1.6033	* 1.6263	* 1.6178	* 2.5004	* 4.2324	*	*

15	* .6388	* .6434	* .6242	* .5819	F-DEL-H			
	* 2.8213	* 2.9769	* 3.1308	* 3.4889	M-DEL-H			

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TABLE A-6 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - POWER ESCALATION

AT 50% POWER, 4 EFPD

	H	G	F	E	D	C	B	A
8	* 1.3047	* 1.4535	* 1.3968	* 1.3110	* 1.3193	* 1.2060	* 1.2711	* .6284
	* 1.6091	* 1.4745	* 1.5061	* 1.5340	* 1.5291	* 1.6144	* 1.5692	* 2.8087
9	* 1.4535	* 1.4814	* 1.3580	* 1.3774	* 1.3132	* 1.2848	* 1.3016	* .6329
	* 1.4745	* 1.4897	* 1.5116	* 1.5136	* 1.5292	* 1.5378	* 1.5605	* 2.9861
10	* 1.3969	* 1.3577	* 1.4467	* 1.4224	* 1.3623	* 1.2856	* 1.3258	* .6179
	* 1.5060	* 1.5118	* 1.4233	* 1.4694	* 1.5440	* 1.5947	* 1.6301	* 3.1273
11	* 1.3111	* 1.3769	* 1.4217	* 1.3746	* 1.2372	* 1.2663	* 1.3662	* .6095
	* 1.5340	* 1.5139	* 1.4699	* 1.5969	* 1.7243	* 1.7587	* 1.6188	* 3.3007
12	* 1.3193	* 1.3123	* 1.3614	* 1.2362	* 1.2769	* 1.3979	* .8560	*
	* 1.5291	* 1.5297	* 1.5450	* 1.7258	* 1.6229	* 1.5459	* 2.4053	*
13	* 1.2060	* 1.2836	* 1.2838	* 1.2639	* 1.3955	* .9330	* .4718	*
	* 1.6144	* 1.5385	* 1.5982	* 1.7611	* 1.5472	* 2.1752	* 4.1659	*
14	* 1.2711	* 1.3000	* 1.3204	* 1.3597	* .8528	* .4708	*	*
	* 1.5692	* 1.5620	* 1.6342	* 1.6273	* 2.4156	* 4.1752	*	*
15	* .6292	* .6342	* .6151	* .5728	F-DEL-H			
	* 2.8051	* 2.9766	* 3.1396	* 3.5269	M-DEL-H			

AT 30% POWER, 4 EFPD

	H	G	F	E	D	C	B	A
8	* 1.3184	* 1.4728	* 1.4130	* 1.3188	* 1.3214	* 1.2062	* 1.2704	* .6200
	* 1.6091	* 1.4745	* 1.5061	* 1.5340	* 1.5291	* 1.6144	* 1.5692	* 2.8087
9	* 1.4728	* 1.4998	* 1.3718	* 1.3839	* 1.3173	* 1.2875	* 1.3026	* .6248
	* 1.4745	* 1.4897	* 1.5116	* 1.5136	* 1.5292	* 1.5378	* 1.5605	* 2.9861
10	* 1.4132	* 1.3714	* 1.4588	* 1.4314	* 1.3665	* 1.2887	* 1.3243	* .6100
	* 1.5060	* 1.5118	* 1.4233	* 1.4694	* 1.5440	* 1.5947	* 1.6301	* 3.1273
11	* 1.3188	* 1.3834	* 1.4306	* 1.3808	* 1.2388	* 1.2648	* 1.3643	* .6013
	* 1.5340	* 1.5139	* 1.4699	* 1.5969	* 1.7243	* 1.7587	* 1.6188	* 3.3007
12	* 1.3214	* 1.3164	* 1.3655	* 1.2378	* 1.2780	* 1.3987	* .8496	*
	* 1.5291	* 1.5297	* 1.5450	* 1.7258	* 1.6229	* 1.5459	* 2.4053	*
13	* 1.2062	* 1.2861	* 1.2868	* 1.2622	* 1.3962	* .9287	* .4640	*
	* 1.6144	* 1.5385	* 1.5982	* 1.7611	* 1.5472	* 2.1752	* 4.1659	*
14	* 1.2704	* 1.3007	* 1.3186	* 1.3576	* .8463	* .4630	*	*
	* 1.5692	* 1.5620	* 1.6342	* 1.6273	* 2.4156	* 4.1752	*	*
15	* .6208	* .6261	* .6071	* .5648	F-DEL-H			
	* 2.8051	* 2.9766	* 3.1396	* 3.5269	M-DEL-H			