

**BM1 Matching Cell B s/n 1**

Date 3/25/03

	Z (in)	X (in)	Y (in)					
TB1	-61.8106	-0.4209	4.3668					
TB2	-61.8212	4.8663	4.3657					
TB3	-28.1935	-0.0675	4.3581					
TB4	0.2495	4.6200	2.3839					
TB5	28.5183	-3.9948	4.4087					
TB6	29.7213	4.3089	4.3882					
TB7	51.0706	1.1542	2.0543	H3	51.0850	1.1540	2.0740	Nominal
					-0.0144	0.0002	-0.0197	Diff
TB8	51.1483	-7.0913	2.9749					
TB9	87.8629	-5.4748	2.1664	H4	87.8300	-5.4180	2.2270	Nominal
					0.0329	-0.0568	-0.0606	Diff
TB0	110.5305	-18.9421	4.3513					
TBA	111.9774	-9.0767	4.3557					

	Z (in)	X (in)	Y (in)		Z (in)	X (in)	Y (in)		
USPin	-65.6921	1.8374	2.2878	Actual	DSPin	112.5753	1.7263	2.2732	Actual
	-65.7270	1.8360	2.2820	Nominal		112.6230	1.8360	2.2820	Nominal
	0.0349	0.0014	0.0058	Diff		-0.0477	-0.1097	-0.0088	Diff
USInnerChamber	-65.4575	-1.4040	0.0295	Actual	DSInnerChamber	112.4572	-1.5216	0.0051	Actual
	-65.7270	-1.4040	0.0000	Nominal		112.6230	-1.4040	0.0000	Nominal
	0.2695	0.0000	0.0295	Diff		-0.1658	-0.1176	0.0051	Diff
USFlange	-65.3487	1.8311	0.0000	Actual	DSFlange	112.4663	1.7265	-0.0208	Actual
	-65.4770	1.8360	0.0000	Nominal		112.3730	1.8360	0.0000	Nominal
	0.1283	-0.0049	0.0000	Diff		0.0933	-0.1095	-0.0208	Diff
USZ	-66.227	0.000	0.000	Actual	DSZ	112.3488	0.0000	0.0000	Actual
	-66.227	0.000	0.000	Nominal		112.3730	0.0000	0.0000	Nominal
	0.000	0.000	0.000	Diff		-0.0242	0.0000	0.0000	Diff
USYaw	4.2578	mrad		DSYaw	-5.397	mrad			
USPitch	3.6709	mrad		DSPitch	2.2922	mrad			
USDiameter	11.4689	inch		DSDiameter	11.4703	inch			

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Date 7/3/03	Origin adjusted for downstream flange							
	Z (in)	X (in)	Y (in)					
TB1	-61.8103	-0.4532	4.3858					
TB2	-61.8237	4.8340	4.3847					
TB3	-28.1934	-0.0822	4.3771					
TB4	0.2471	4.6201	2.4029					
TB5	28.5204	-3.9799	4.4277					
TB6	29.7190	4.3245	4.4072					
TB7	51.0700	1.1809	2.0733	H3	51.0850	1.1540	2.0740	Nominal
					-0.0150	0.0269	-0.0007	Diff
TB8	51.1520	-7.0645	2.9939					
TB9	87.8658	-5.4288	2.1854	H4	87.8300	-5.4180	2.2270	Nominal
					0.0358	-0.0108	-0.0416	Diff
TB0	110.5404	-18.8842	4.3703					
TBA	111.9822	-9.0181	4.3747					

	Z (in)	X (in)	Y (in)		Z (in)	X (in)	Y (in)		
USPin	-65.6931	1.8030	2.3068	Actual	DSPin	112.5744	1.7852	2.2922	Actual
	-65.7270	1.8360	2.2820	Nominal		112.6230	1.8360	2.2820	Nominal
	0.0339	-0.0330	0.0248	Diff		-0.0486	-0.0508	0.0102	Diff
USInnerChamber	-65.4568	-1.4383	0.0485	Actual	DSInnerChamber	112.4579	-1.4627	0.0241	Actual
	-65.7270	-1.4040	0.0000	Nominal		112.6230	-1.4040	0.0000	Nominal
	0.2702	-0.0343	0.0485	Diff		-0.1651	-0.0587	0.0241	Diff
USFlange	-65.3496	1.7969	0.0190	Actual	DSFlange	112.4653	1.7854	-0.0018	Actual
	-65.4770	1.8360	0.0000	Nominal		112.3730	1.8360	0.0000	Nominal
	0.1274	-0.0391	0.0190	Diff		0.0923	-0.0506	-0.0018	Diff
USZ	-66.2272	0.0000	0.0000	Actual	DSZ	112.3484	0.0000	0.0000	Actual
	-66.2270	0.0000	0.0000	Nominal		112.3730	0.0000	0.0000	Nominal
	-0.0002	0.0000	0.0000	Diff		-0.0246	0.0000	0.0000	Diff
USYaw	4.7814	mrad			DSYaw	-4.8734	mrad		
USPitch	3.6709	mrad			DSPitch	2.2921	mrad		
USDiameter	11.4689	inch			DSDiameter	11.4703	inch		