

**BM2 Measurement Differences from Nominal Values**

BM2	US Mask X (mils)	US Flange Z (plane) (mils)	US Flange X (mils)	US Flange Y (mils)	US Flange Yaw (mrad)	US Flange Pitch (mrad)	US Flange Diameter (mils)
001							
002							
003	124	0	8	7	8.1	3.5	-29
004							
005	121	60	4	-16	6.9	-6.2	-38
006	135	0	12	-6	7.6	-0.4	-28
007	93	0	3	-6	6.2	4.5	-30
008	138	0	5	13	8.1	7.8	-28
009	116	0	7	-13	8.1	-1.2	-26
010	126	0	3	0	7.3	-1.1	-29
011							
012							
013							
014	97	0	6	-10	6.3	-1.9	-31
015							
016	88	0	6	5	6.4	-1.7	-30
017							
Average	115	7	6	-3	7.2	0.4	-30
Std	± 018	± 020	± 003	± 010	± 0.8	± 4.2	± 003

Note: All values manually derived from posted chamber web-pages. Caveat emptor dude.

**BM2 Measurement Differences from Nominal Values (Table 2 of 3)**

BM2	DS Flange Z (plane) (mils)	DS Flange X (mils)	DS Flange Y (mils)	DS Flange Yaw (mrad)	DS Flange Pitch (mrad)	DS Flange Diameter (mils)
001						
002						
003	-84	20	-6	3.1	0.1	-29
004						
005	-57	-24	6	-8.8	-5.5	-36
006	-130	-18	2	-8.2	-5.1	-32
007	-92	8	9	-1.1	-1.6	-31
008	-117	-7	-74	-5.9	6.8	-29
009	-116	-13	-7	-7.0	-4.8	-28
010	-104	-8	10	-3.6	-6.0	-27
011						
012						
013						
014	-95	-12	8	-4.0	-7.1	-32
015						
016	-108	-4	-2	-4.6	-5.9	-37
017						
Average	-100	-6	-6	-4.5	-3.2	-31
Std	± 022	± 013	± 026	± 3.7	± 4.4	± 003

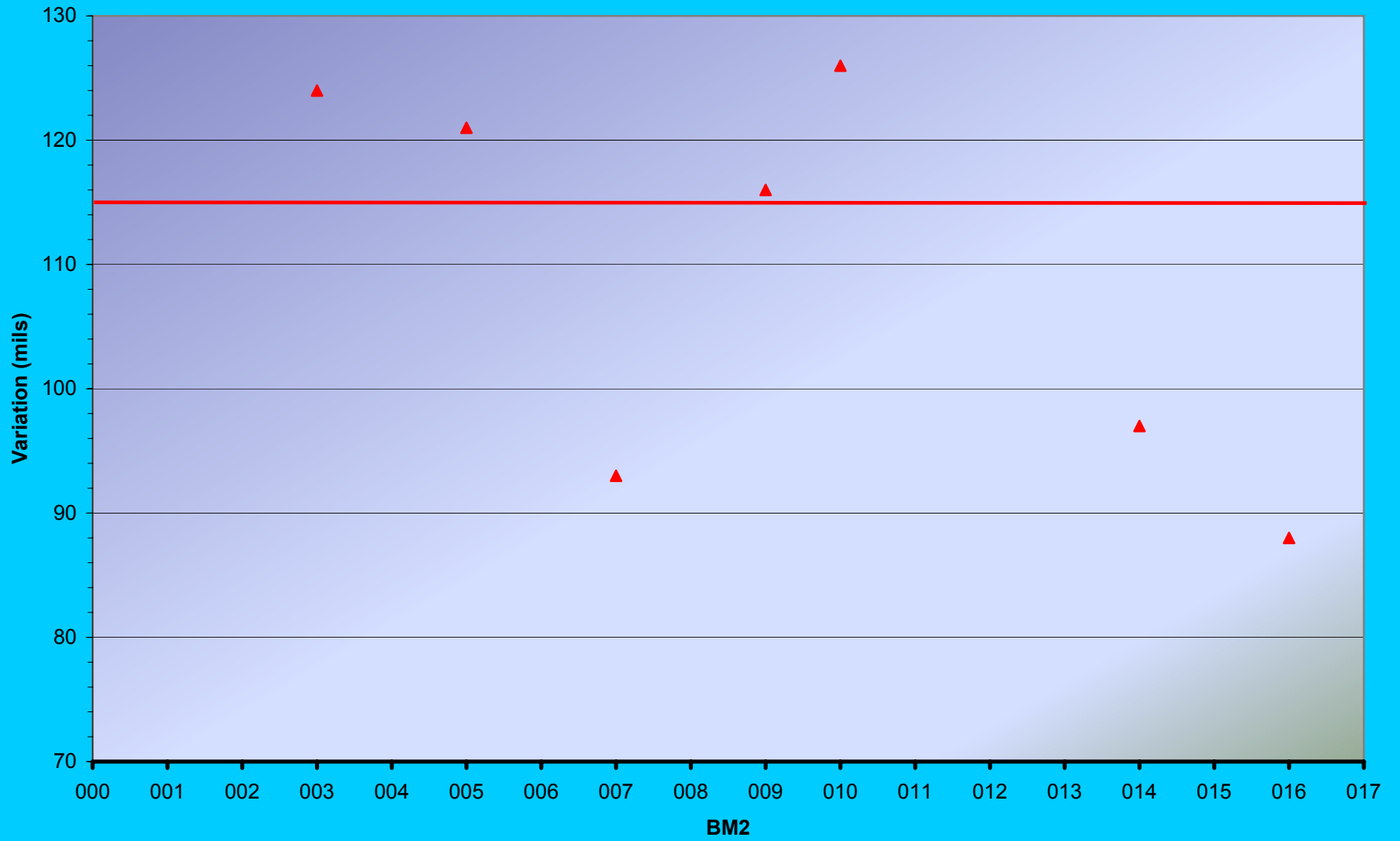
Note: All values manually derived from posted chamber web-pages. Caveat emptor dude.

**BM2 Measurement Differences from Nominal Values (Table 3 of 3)**

BM2	H1 Absorb Z (mils)	H1 Absorb X (mils)	H1 Absorb Y (mils)	Exit Port FL Z (plane) (mils)	Exit Port FL X (mils)	Exit Port FL Y (mils)	Exit Port FL Yaw (mrad)	Exit Port FL Pitch (mrad)	Exit Port FL Diameter (mils)
001									
002									
003	-50	44	15	-84	8	13	-2.8	-7.6	-30
004									
005	-12	15	52	-8	4	-11	-0.3	0.9	-18
006	-76	25	21	-81	12	10	0.2	-8.3	
007	-52	28	37	-70	3	6	-0.9	0.9	-33
008	-56	22	-5	-80	5	-59	-0.2	9.1	-34
009	-83	23	11	-78	7	17	-0.2	-12.0	-21
010	-99	46	54	-80	3	16	0.0	-8.1	-27
011									
012									
013									
014	-56	12	14	-68	6	17	-0.3	-7.6	-28
015									
016	-50	38	0	-69	6	-33	-1.7	2.1	-25
017									
Average	-59	28	22	-69	6	-3	-0.7	-3.4	-27
Std	± 025	± 012	± 021	± 023	± 003	± 027	± 1.0	± 6.9	± 006

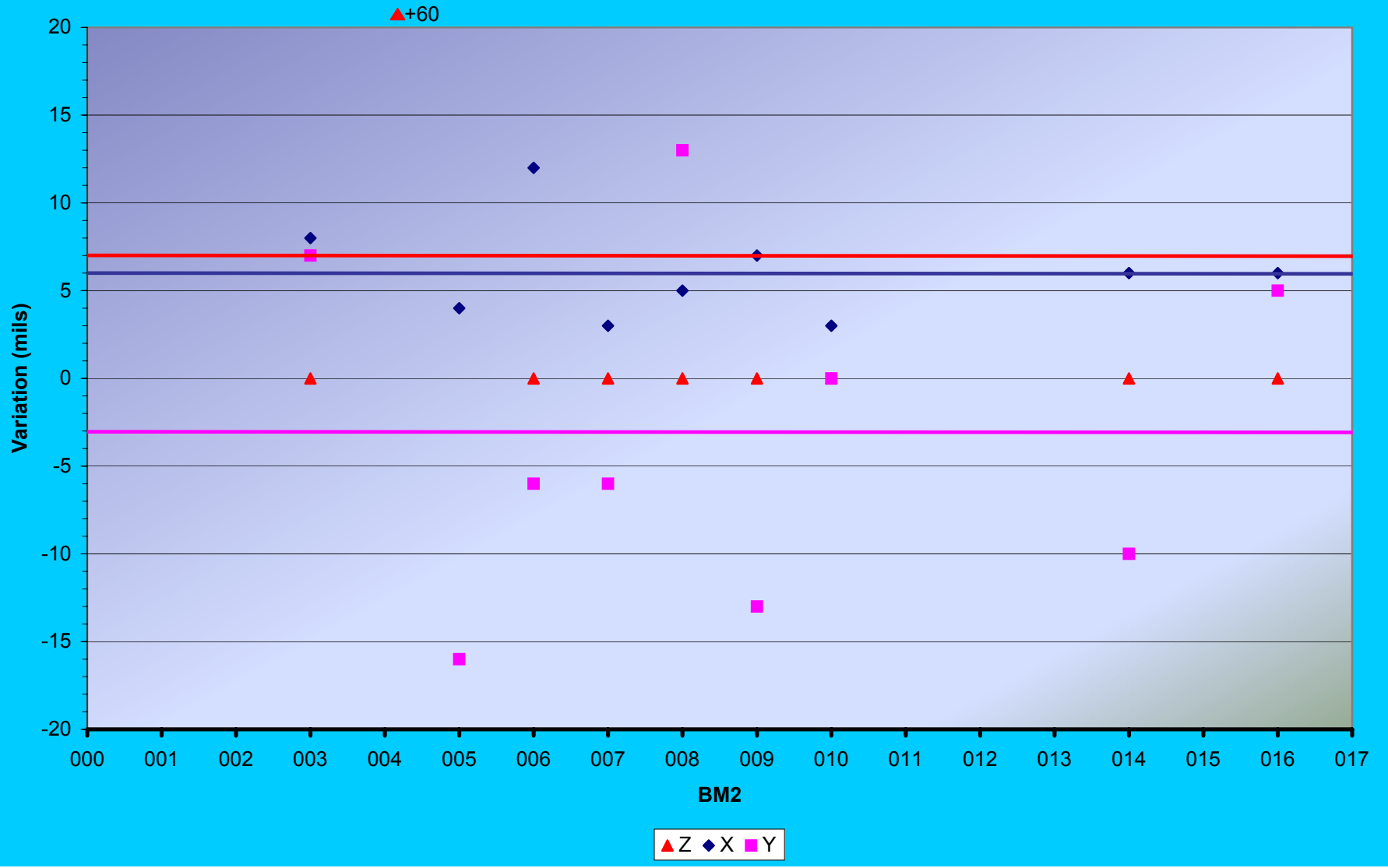
Note: All values manually derived from posted chamber web-pages. Caveat emptor dude.

**US Flange X-position Variations from Nominal**  
(With Mean)



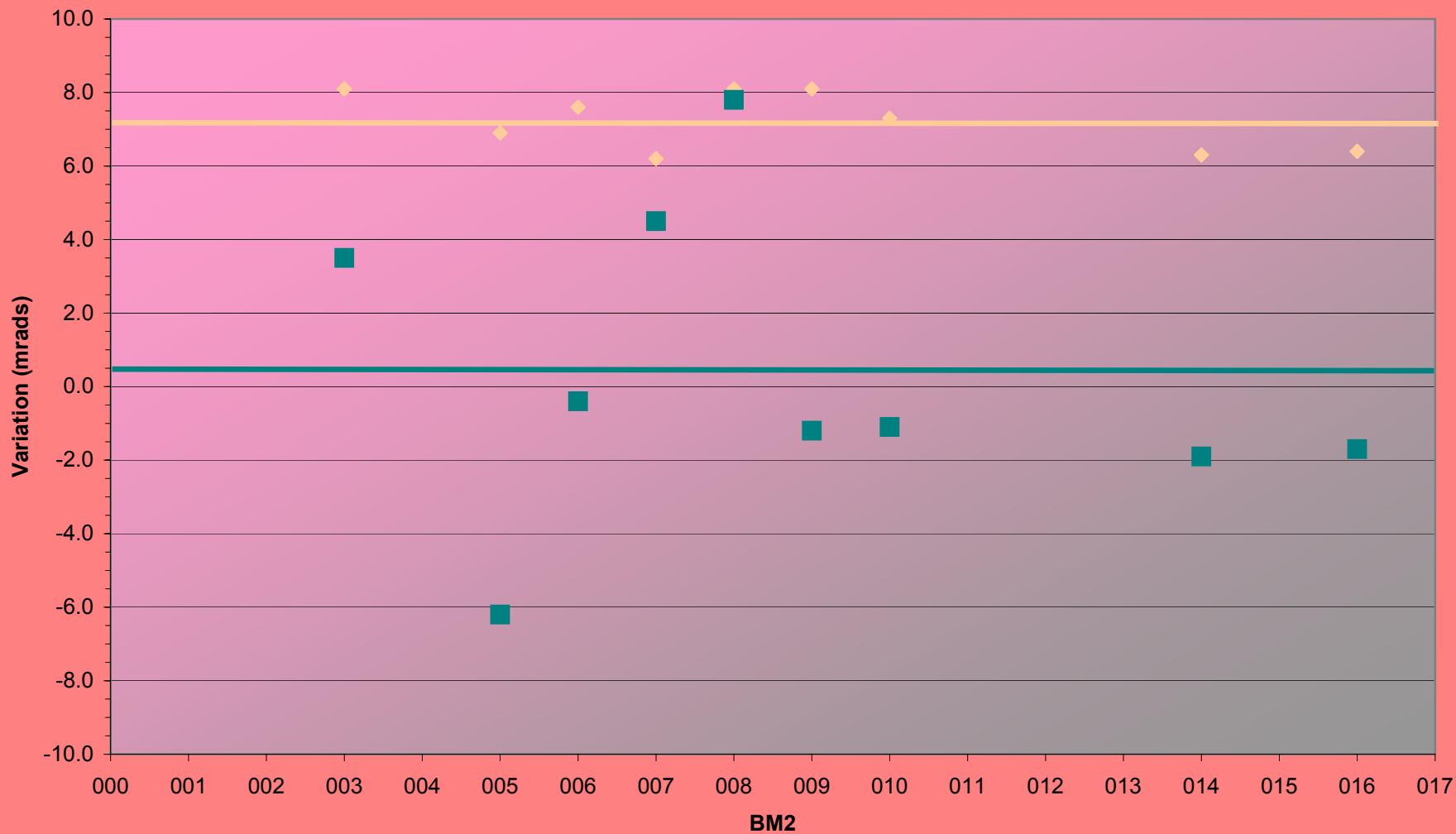
# US Flange ZXY-position Variations from Nominals

(With Means)



# US Flange Yaw and Pitch Differences from Nominal

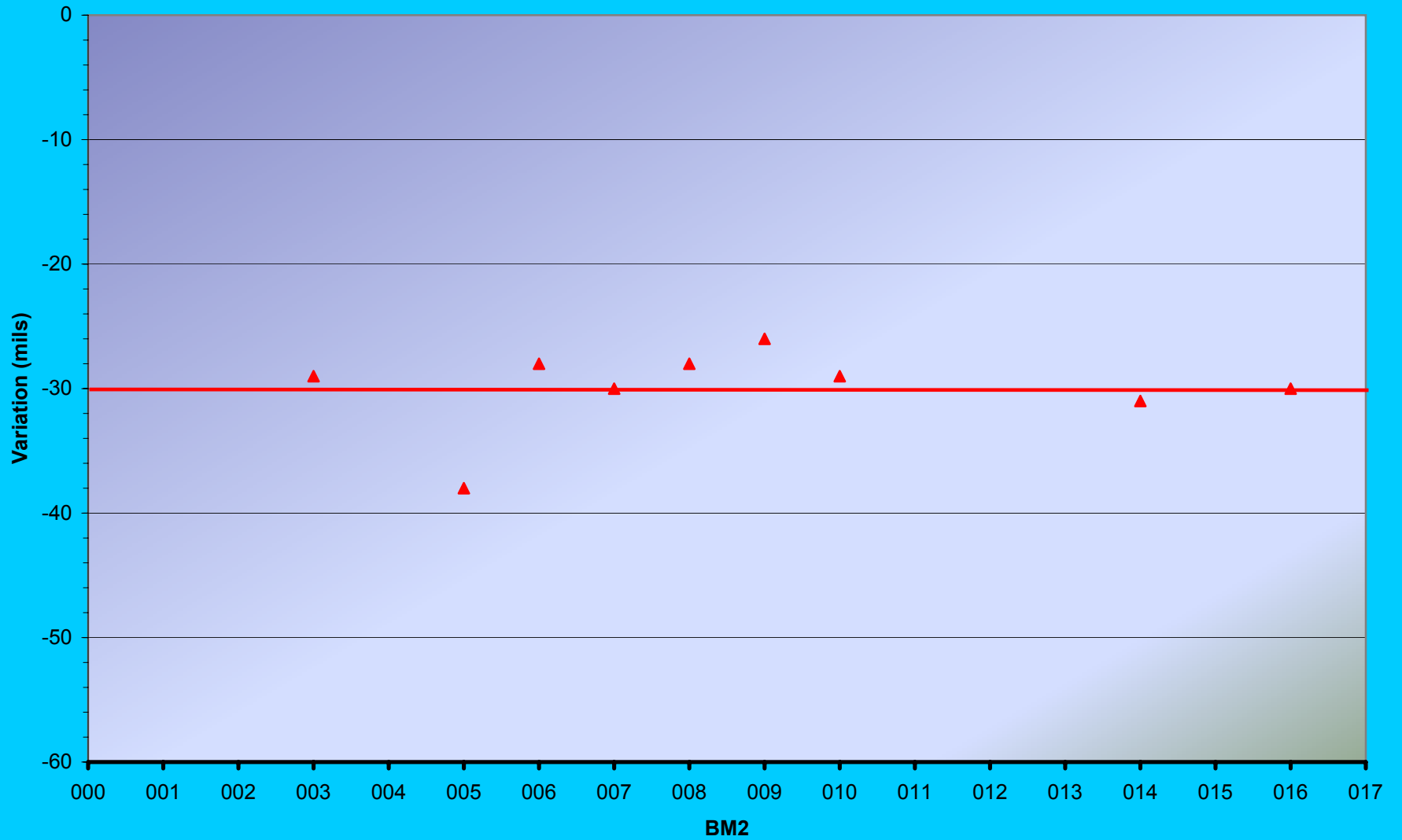
(With Means)



◆ USflange yaw

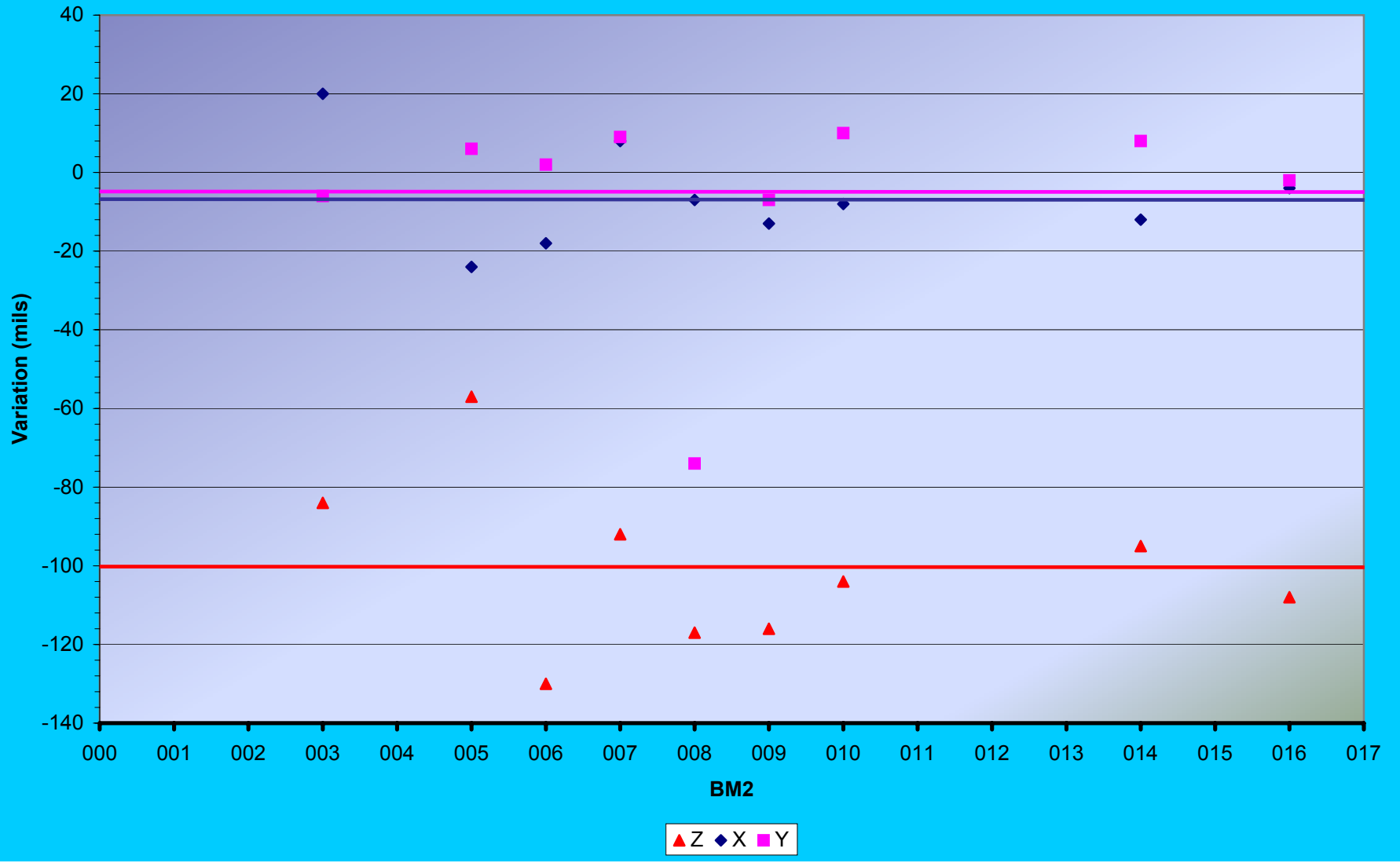
■ USflange pitch

# US Flange Diameter Variations from Nominal (With Mean)



# DS Flange ZXY-position Variations from Nominals

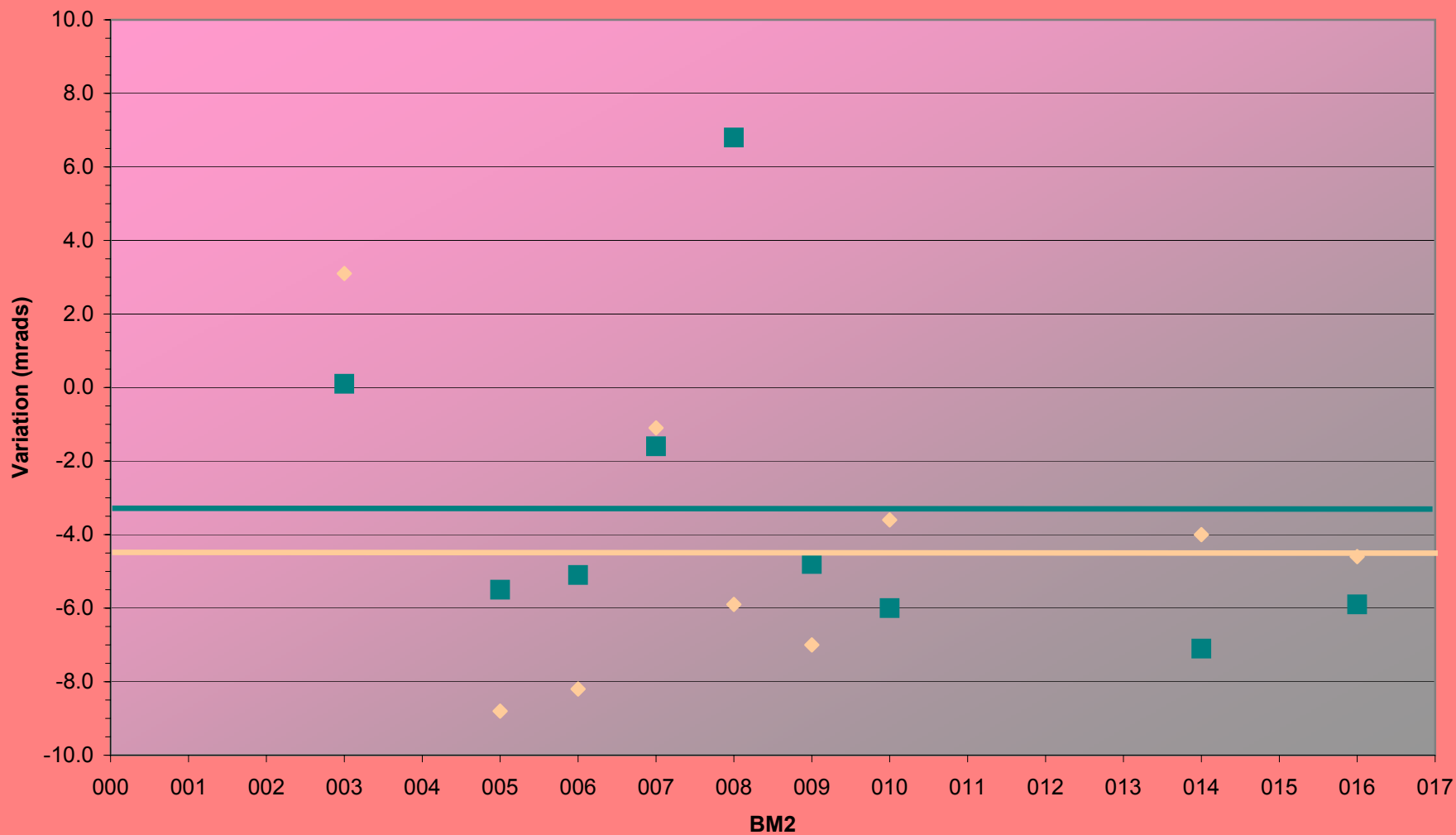
(With Means)





# DS Flange Yaw and Pitch Differences from Nominal

(With Means)

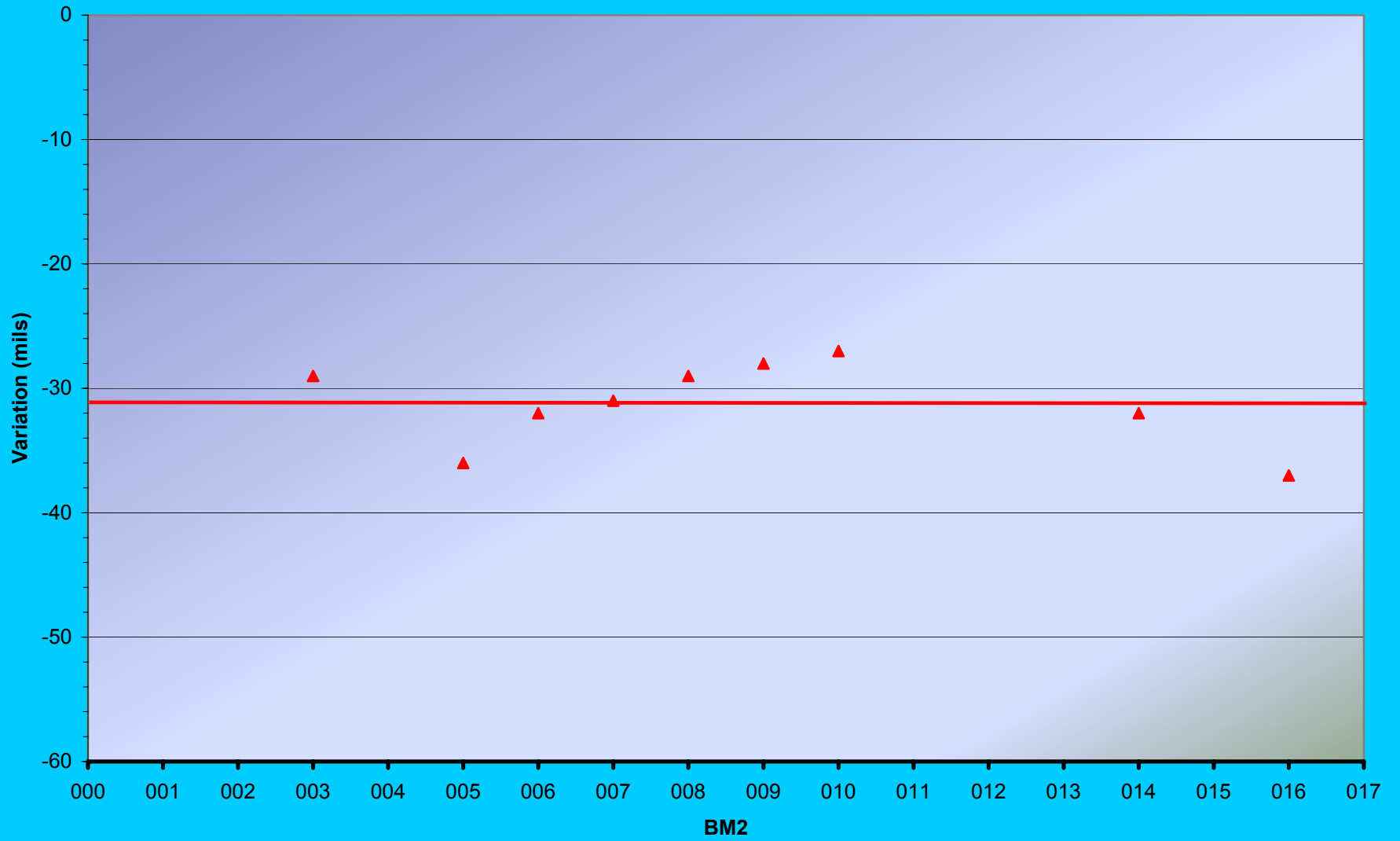


◆ DSflange yaw

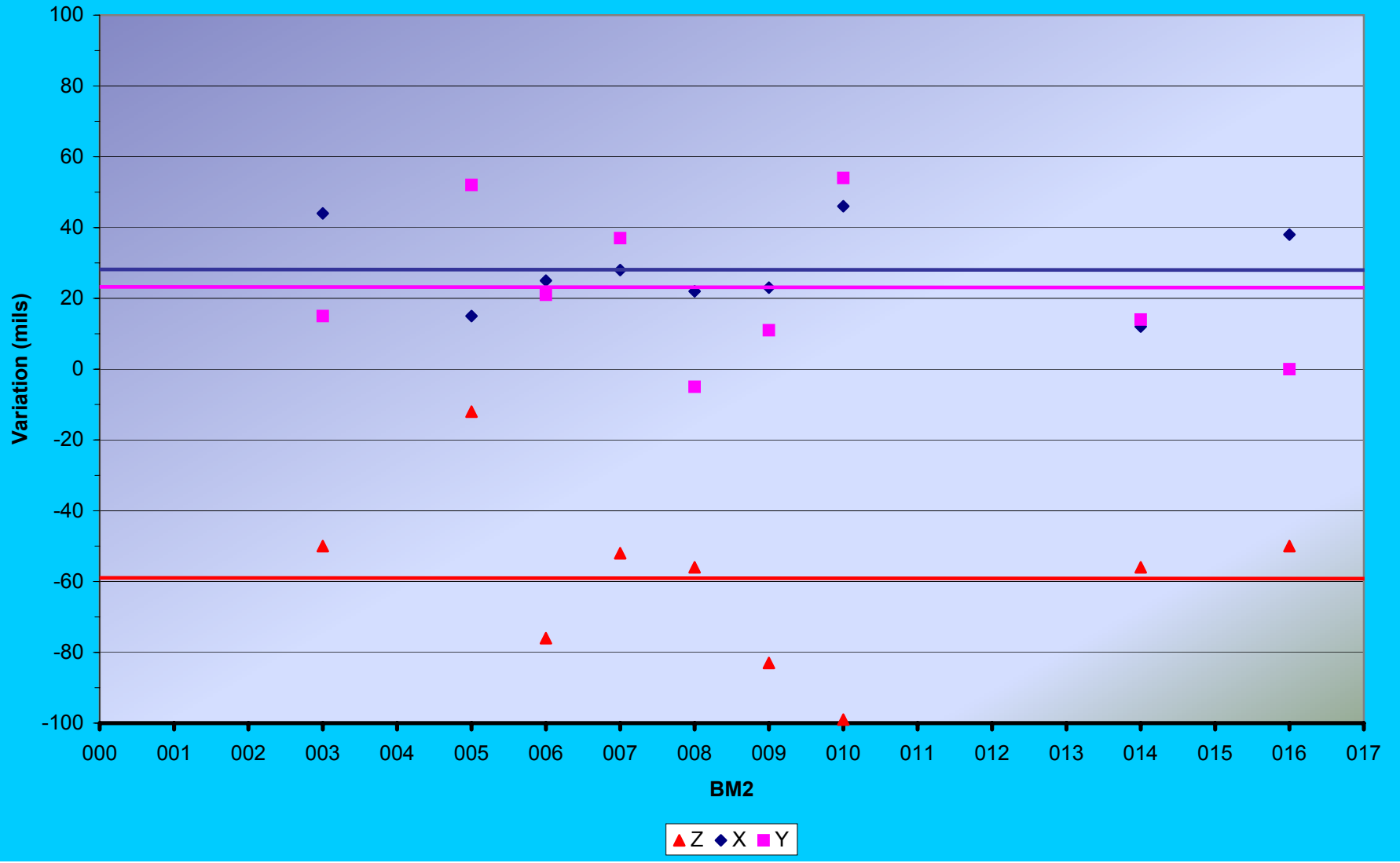
■ DSflange pitch

# DS Flange Diameter Variations from Nominal

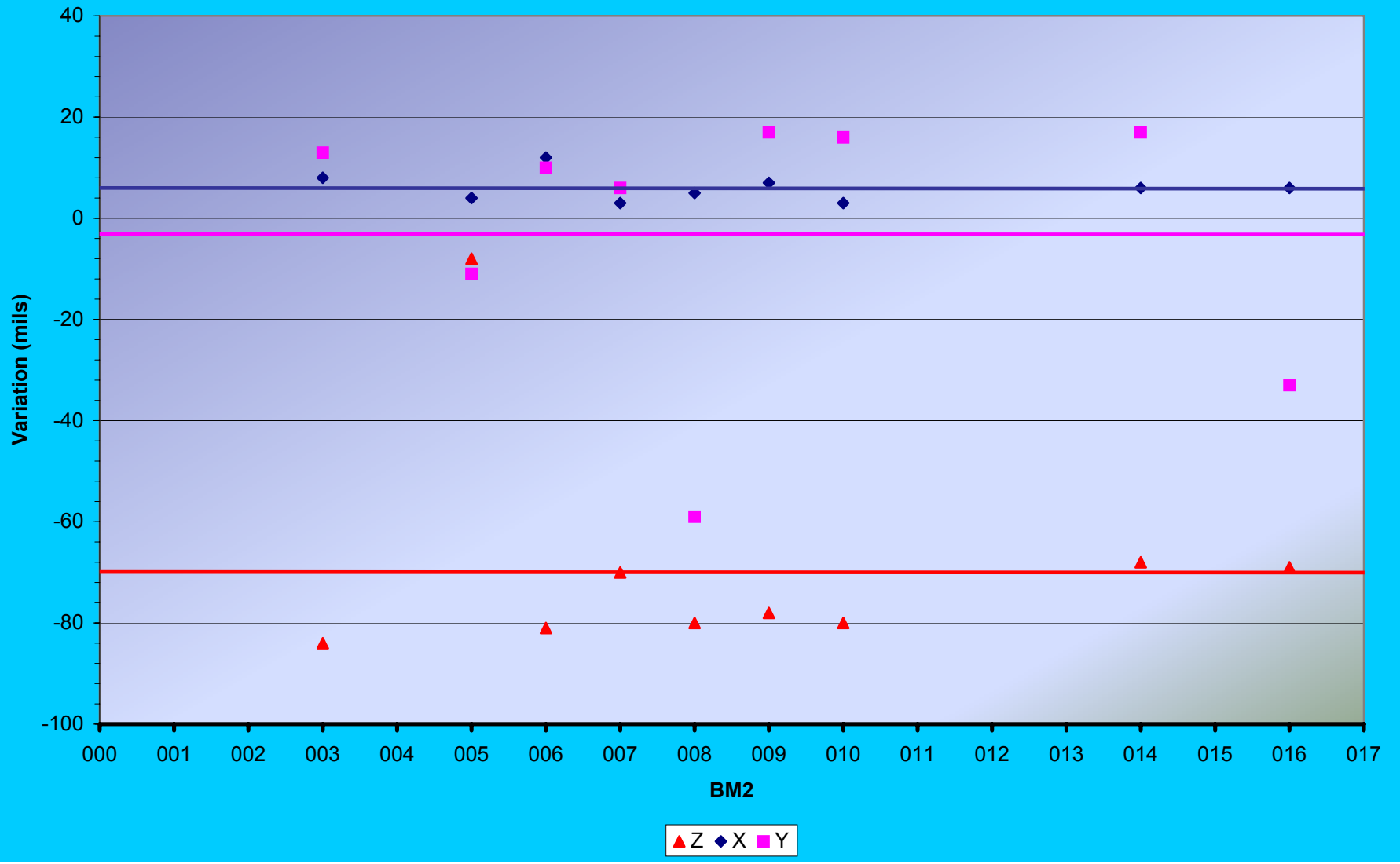
(With Mean)



H1 Absorber (TB7) ZXY-position Variations from Nominals  
(With Means)

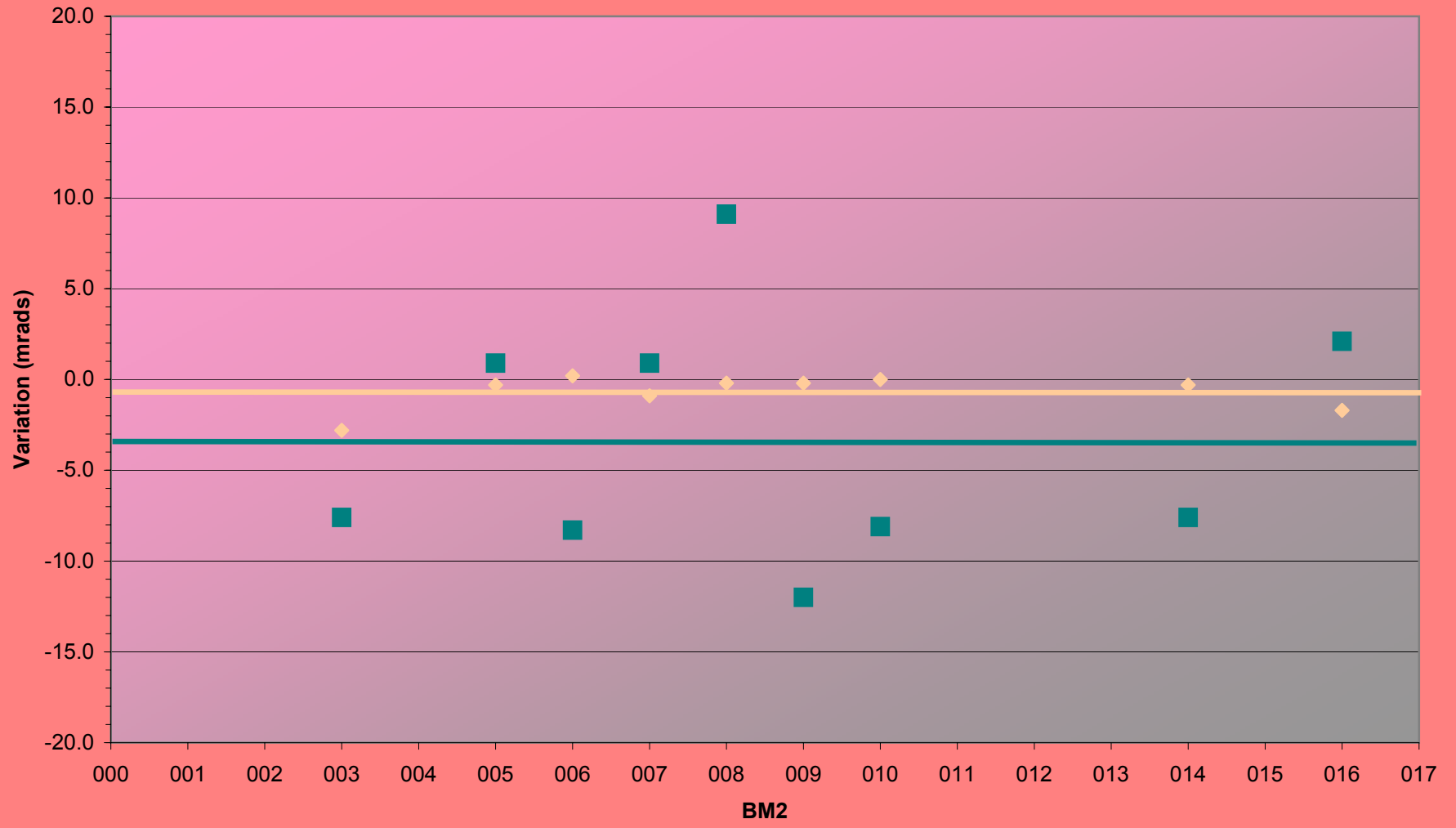


Exit Port ZXY-position Variations from Nominals  
(With Means)



# Exit Port Yaw and Pitch Differences from Nominal

(With Means)



# Exit Port Diameter Variations from Nominal

(With Mean)

