B036CH3 Comparison between current analysis and prior analysis

Pressure comparison			
time interval	Pressure Coef. counts/counts	Difference counts/counts	Percent change
2009 17.0 to 2009 117.0	-3.01103 ± 0.04409	0.09097	-2.9
2009 41.0 to 2009 141.0	-3.05507 ± 0.04656	0.04693	-1.5
2009 65.0 to 2009 165.0	-2.95390 ± 0.06429	0.14810	-4.8
2009 89.0 to 2009 189.0	-2.86030 ± 0.07171	0.24170	-7.8
2009 113.0 to 2009 213.0	-2.92195 ± 0.10061	0.18005	-5.8
2009 137.0 to 2009 237.0	-2.70894 ± 0.11861	0.39306	-12.7
2009 161.0 to 2009 261.0	-2.84491 ± 0.12151	0.25709	-8.3
2009 185.0 to 2009 285.0	-2.74228 ± 0.14749	0.35972	-11.6
2009 209.0 to 2009 309.0	-3.05808 ± 0.37094	0.04392	-1.4
2009 233.0 to 2009 333.0	-3.20142 ± 0.27928	-0.09942	3.2
2009 257.0 to 2009 357.0	-3.17055 ± 0.26867	-0.06855	2.2
2009 291.0 to 2010 26.0	-3.37149 ± 0.08372	-0.26949	8.7
2009 325.0 to 2010 60.0	-3.27607 ± 0.13288	-0.17407	5.6
2009 359.0 to 2010 94.0	-3.26724 ± 0.15294	-0.16524	5.3
2010 28.0 to 2010 128.0	-3.24453 ± 0.13915	-0.14253	4.6
2010 62.0 to 2010 162.0	-3.04495 ± 0.29915	0.05705	-1.8
2010 96.0 to 2010 196.0	-3.07924 ± 0.57424	0.02276	-0.7
2010 130.0 to 2010 230.0	-3.10200 ± 0.68770	0.00000	-0.0
2010 164.0 to 2010 264.0	-3.35254 ± 0.45128	-0.25054	8.1
2010 198.0 to 2010 298.0	-2.80300 ± 0.19807	0.29900	-9.6
2010 232.0 to 2010 332.0	-2.98673 ± 0.09016	0.11527	-3.7
2010 266.0 to 2011 1.0	-3.12149 ± 0.22257	-0.01949	0.6
2010 300.0 to 2011 35.0	-3.27166 ± 0.24827	-0.16966	5.5
2010 334.0 to 2011 69.0	-3.17232 ± 0.25298	-0.07032	2.3
2011 3.0 to 2011 103.0	-3.19195 ± 0.15427	-0.08995	2.9
2011 37.0 to 2011 137.0	-3.11289 ± 0.15040	-0.01089	0.4
2011 71.0 to 2011 171.0	-3.29387 ± 0.17088	-0.19187	6.2
2011 105.0 to 2011 205.0	-3.31336 ± 0.19734	-0.21136	6.8
2011 139.0 to 2011 239.0	-3.72835 ± 0.34186	-0.62635	20.2
2011 173.0 to 2011 273.0	-3.73827 ± 1.01837	-0.63627	20.5
2011 207.0 to 2011 307.0	-2.28761 ± 1.01893	0.81439	-26.3
2011 241.0 to 2011 341.0	-2.77022 ± 0.50652	0.33178	-10.7
2011 275.0 to 2012 10.0	-3.01890 ± 0.32633	0.08310	-2.7
2011 309.0 to 2012 44.0	-3.34318 ± 0.15455	-0.24118	7.8

Tidal comparson **M2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 17.0 to 2009 117.0	12.61 ± 0.04	12.5 ± 0.2	0.56	4.3
2009 41.0 to 2009 141.0	12.57 ± 0.04	12.8 ± 0.2	0.57	4.4
2009 65.0 to 2009 165.0	12.58 ± 0.05	12.7 ± 0.2	0.57	4.4
2009 89.0 to 2009 189.0	12.51 ± 0.05	12.8 ± 0.2	0.63	4.8
2009 113.0 to 2009 213.0	12.49 ± 0.07	13.1 ± 0.3	0.63	4.8
2009 137.0 to 2009 237.0	12.58 ± 0.07	13.4 ± 0.3	0.53	4.0
2009 161.0 to 2009 261.0	12.61 ± 0.07	13.5 ± 0.3	0.50	3.8
2009 185.0 to 2009 285.0	12.73 ± 0.09	14.5 ± 0.4	0.42	3.2
2009 209.0 to 2009 309.0	12.65 ± 0.27	14.2 ± 1.2	0.47	3.6
2009 233.0 to 2009 333.0	12.71 ± 0.25	14.1 ± 1.1	0.41	3.1
2009 257.0 to 2009 357.0	12.74 ± 0.26	14.2 ± 1.2	0.38	2.9
2009 291.0 to 2010 26.0	12.71 ± 0.09	13.7 ± 0.4	0.40	3.0
2009 325.0 to 2010 60.0	12.66 ± 0.14	14.2 ± 0.6	0.46	3.5
2009 359.0 to 2010 94.0	12.63 ± 0.17	14.0 ± 0.8	0.48	3.7
2010 28.0 to 2010 128.0	12.65 ± 0.14	13.4 ± 0.6	0.46	3.5
2010 62.0 to 2010 162.0	13.09 ± 0.31	12.7 ± 1.4	0.23	1.7
2010 96.0 to 2010 196.0	13.20 ± 0.47	12.8 ± 2.0	0.23	1.7
2010 130.0 to 2010 230.0	13.24 ± 0.46	13.2 ± 2.0	0.18	1.3
2010 164.0 to 2010 264.0	12.90 ± 0.23	14.1 ± 1.0	0.23	1.7
2010 198.0 to 2010 298.0	13.14 ± 0.12	13.7 ± 0.5	0.03	0.3
2010 232.0 to 2010 332.0	13.20 ± 0.07	14.1 ± 0.3	0.13	1.0
2010 266.0 to 2011 1.0	13.30 ± 0.24	14.3 ± 1.0	0.24	1.8
2010 300.0 to 2011 35.0	13.23 ± 0.26	14.4 ± 1.1	0.20	1.6
2010 334.0 to 2011 69.0	13.14 ± 0.27	14.3 ± 1.2	0.14	1.1
2011 3.0 to 2011 103.0	13.08 ± 0.16	13.8 ± 0.7	0.03	0.3
2011 37.0 to 2011 137.0	13.11 ± 0.16	13.3 ± 0.7	0.09	0.7
2011 71.0 to 2011 171.0	13.15 ± 0.16	12.7 ± 0.7	0.23	1.8
2011 105.0 to 2011 205.0	13.34 ± 0.16	12.7 ± 0.7	0.33	2.5
2011 139.0 to 2011 239.0	13.81 ± 0.19	16.1 ± 0.8	0.90	6.9
2011 173.0 to 2011 273.0	13.52 ± 0.51	19.2 ± 2.2	1.34	10.3
2011 207.0 to 2011 307.0	13.87 ± 0.60	17.6 ± 2.5	1.19	9.1
2011 241.0 to 2011 341.0	13.41 ± 0.38	14.2 ± 1.6	0.33	2.5
2011 275.0 to 2012 10.0	13.59 ± 0.29	13.2 ± 1.2	0.50	3.8
2011 309.0 to 2012 44.0	13.53 ± 0.16	13.9 ± 0.7	0.43	3.3

Tidal comparson **O1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 17.0 to 2009 117.0	8.96 ± 0.09	46.8 ± 0.6	0.46	5.4
2009 41.0 to 2009 141.0	8.86 ± 0.10	47.0 ± 0.6	0.36	4.2
2009 65.0 to 2009 165.0	8.69 ± 0.12	46.9 ± 0.8	0.21	2.4
2009 89.0 to 2009 189.0	8.60 ± 0.12	47.6 ± 0.8	0.08	1.0
2009 113.0 to 2009 213.0	8.46 ± 0.15	47.3 ± 1.0	0.08	0.9
2009 137.0 to 2009 237.0	8.59 ± 0.15	46.5 ± 1.0	0.19	2.2
2009 161.0 to 2009 261.0	8.71 ± 0.15	46.4 ± 1.0	0.27	3.2
2009 185.0 to 2009 285.0	8.62 ± 0.20	46.1 ± 1.3	0.25	3.0
2009 209.0 to 2009 309.0	9.01 ± 0.63	43.5 ± 4.0	0.80	9.4
2009 233.0 to 2009 333.0	8.99 ± 0.59	44.1 ± 3.8	0.72	8.5
2009 257.0 to 2009 357.0	8.67 ± 0.60	43.7 ± 4.0	0.61	7.2
2009 291.0 to 2010 26.0	8.58 ± 0.20	45.6 ± 1.3	0.31	3.7
2009 325.0 to 2010 60.0	8.18 ± 0.33	50.0 ± 2.3	0.48	5.6
2009 359.0 to 2010 94.0	8.32 ± 0.38	49.8 ± 2.6	0.37	4.4
2010 28.0 to 2010 128.0	8.34 ± 0.34	50.4 ± 2.3	0.44	5.2
2010 62.0 to 2010 162.0	7.88 ± 0.72	45.6 ± 5.2	0.70	8.2
2010 96.0 to 2010 196.0	7.64 ± 1.10	42.8 ± 8.2	1.11	13.0
2010 130.0 to 2010 230.0	7.52 ± 1.06	42.0 ± 8.1	1.27	14.9
2010 164.0 to 2010 264.0	8.29 ± 0.53	44.6 ± 3.7	0.50	5.9
2010 198.0 to 2010 298.0	8.28 ± 0.28	46.9 ± 1.9	0.26	3.1
2010 232.0 to 2010 332.0	8.24 ± 0.16	48.3 ± 1.1	0.29	3.4
2010 266.0 to 2011 1.0	8.19 ± 0.54	48.2 ± 3.8	0.34	3.9
2010 300.0 to 2011 35.0	8.24 ± 0.59	49.8 ± 4.1	0.42	4.9
2010 334.0 to 2011 69.0	7.95 ± 0.62	48.5 ± 4.5	0.58	6.8
2011 3.0 to 2011 103.0	8.00 ± 0.36	49.8 ± 2.6	0.60	7.1
2011 37.0 to 2011 137.0	8.20 ± 0.36	50.4 ± 2.5	0.51	6.0
2011 71.0 to 2011 171.0	8.16 ± 0.37	51.0 ± 2.6	0.60	7.1
2011 105.0 to 2011 205.0	8.20 ± 0.38	51.7 ± 2.7	0.67	7.9
2011 139.0 to 2011 239.0	9.39 ± 0.43	45.8 ± 2.6	0.92	10.8
2011 173.0 to 2011 273.0	10.69 ± 1.21	36.4 ± 6.5	2.87	33.7
2011 207.0 to 2011 307.0	10.19 ± 1.38	39.5 ± 7.8	2.13	25.1
2011 241.0 to 2011 341.0	9.12 ± 0.88	48.5 ± 5.5	0.62	7.3
2011 275.0 to 2012 10.0	8.92 ± 0.66	55.1 ± 4.2	1.20	14.1
2011 309.0 to 2012 44.0	8.03 ± 0.36	52.9 ± 2.6	0.90	10.6

Tidal comparson **K1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 17.0 to 2009 117.0	11.94 ± 0.37	-156.8 ± 1.8	2.87	26.1
2009 41.0 to 2009 141.0	11.25 ± 0.40	-161.4 ± 2.0	1.76	16.0
2009 65.0 to 2009 165.0	11.90 ± 0.49	-158.2 ± 2.4	2.59	23.6
2009 89.0 to 2009 189.0	10.22 ± 0.47	-161.3 ± 2.6	1.85	16.8
2009 113.0 to 2009 213.0	11.17 ± 0.63	-172.9 ± 3.2	0.51	4.7
2009 137.0 to 2009 237.0	9.95 ± 0.63	-161.2 ± 3.6	1.98	18.0
2009 161.0 to 2009 261.0	11.30 ± 0.62	177.2 ± 3.1	2.43	22.1
2009 185.0 to 2009 285.0	10.47 ± 0.81	-171.9 ± 4.4	0.60	5.4
2009 209.0 to 2009 309.0	9.25 ± 2.61	-174.3 ± 16.2	1.88	17.1
2009 233.0 to 2009 333.0	13.45 ± 2.33	-167.8 ± 9.9	2.51	22.8
2009 257.0 to 2009 357.0	11.29 ± 2.39	167.7 ± 12.1	4.24	38.6
2009 291.0 to 2010 26.0	10.79 ± 0.82	-151.2 ± 4.4	3.64	33.1
2009 325.0 to 2010 60.0	12.69 ± 1.33	-165.5 ± 6.0	1.97	17.9
2009 359.0 to 2010 94.0	12.12 ± 1.55	-163.9 ± 7.3	1.72	15.7
2010 28.0 to 2010 128.0	11.15 ± 1.34	-158.1 ± 6.9	2.38	21.6
2010 62.0 to 2010 162.0	12.02 ± 2.92	-177.8 ± 13.9	1.80	16.4
2010 96.0 to 2010 196.0	10.65 ± 4.47	-164.4 ± 24.0	1.18	10.8
2010 130.0 to 2010 230.0	11.10 ± 4.30	176.7 ± 22.2	2.49	22.6
2010 164.0 to 2010 264.0	10.84 ± 2.16	-158.4 ± 11.4	2.29	20.8
2010 198.0 to 2010 298.0	9.88 ± 1.14	-179.3 ± 6.6	1.97	17.9
2010 232.0 to 2010 332.0	12.02 ± 0.67	-173.2 ± 3.2	1.17	10.6
2010 266.0 to 2011 1.0	10.20 ± 2.14	171.6 ± 12.0	3.41	31.0
2010 300.0 to 2011 35.0	13.16 ± 2.32	-176.7 ± 10.1	2.53	23.0
2010 334.0 to 2011 69.0	10.91 ± 2.50	-173.7 ± 13.1	0.64	5.8
2011 3.0 to 2011 103.0	13.05 ± 1.45	-166.4 ± 6.4	2.22	20.1
2011 37.0 to 2011 137.0	11.36 ± 1.47	-164.7 ± 7.4	1.17	10.6
2011 71.0 to 2011 171.0	10.69 ± 1.50	-179.6 ± 8.0	1.77	16.1
2011 105.0 to 2011 205.0	6.91 ± 1.49	-164.6 ± 12.4	4.18	38.0
2011 139.0 to 2011 239.0	22.96 ± 1.69	-164.5 ± 4.2	12.07	109.8
2011 173.0 to 2011 273.0	7.91 ± 4.95	117.6 ± 35.9	11.39	103.6
2011 207.0 to 2011 307.0	15.49 ± 5.66	-137.0 ± 20.9	8.74	79.5
2011 241.0 to 2011 341.0	7.86 ± 3.60	167.6 ± 26.2	4.74	43.1
2011 275.0 to 2012 10.0	8.83 ± 2.70	171.8 ± 17.5	3.74	34.0
2011 309.0 to 2012 44.0	11.47 ± 1.46	-164.0 ± 7.3	1.34	12.2

Tidal comparson **S2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 17.0 to 2009 117.0	2.62 ± 0.16	162.3 ± 3.5	0.53	23.0
2009 41.0 to 2009 141.0	2.62 ± 0.17	153.0 ± 3.7	0.34	14.8
2009 65.0 to 2009 165.0	2.55 ± 0.20	151.9 ± 4.5	0.27	11.9
2009 89.0 to 2009 189.0	1.83 ± 0.20	167.4 ± 6.3	0.69	30.1
2009 113.0 to 2009 213.0	2.33 ± 0.26	139.7 ± 6.4	0.53	23.3
2009 137.0 to 2009 237.0	2.68 ± 0.26	137.7 ± 5.6	0.76	33.5
2009 161.0 to 2009 261.0	2.60 ± 0.26	161.4 ± 5.7	0.48	21.1
2009 185.0 to 2009 285.0	2.59 ± 0.35	176.9 ± 7.7	1.06	46.4
2009 209.0 to 2009 309.0	2.07 ± 1.07	143.7 ± 29.6	0.41	17.8
2009 233.0 to 2009 333.0	2.19 ± 0.99	158.0 ± 25.9	0.22	9.7
2009 257.0 to 2009 357.0	3.01 ± 1.01	167.7 ± 19.2	0.99	43.6
2009 291.0 to 2010 26.0	1.98 ± 0.36	131.3 ± 10.4	0.85	37.3
2009 325.0 to 2010 60.0	2.97 ± 0.56	171.7 ± 10.8	1.10	48.0
2009 359.0 to 2010 94.0	2.37 ± 0.65	148.8 ± 15.7	0.19	8.2
2010 28.0 to 2010 128.0	2.50 ± 0.57	166.2 ± 13.1	0.60	26.1
2010 62.0 to 2010 162.0	2.39 ± 1.23	134.0 ± 29.5	0.77	33.9
2010 96.0 to 2010 196.0	3.08 ± 1.86	159.1 ± 34.6	0.85	37.2
2010 130.0 to 2010 230.0	1.70 ± 1.79	134.1 ± 60.3	0.87	38.0
2010 164.0 to 2010 264.0	2.92 ± 0.90	-162.6 ± 17.7	2.06	90.2
2010 198.0 to 2010 298.0	2.40 ± 0.48	154.3 ± 11.5	0.13	5.8
2010 232.0 to 2010 332.0	2.14 ± 0.28	160.9 ± 7.5	0.34	14.9
2010 266.0 to 2011 1.0	2.26 ± 0.86	142.7 ± 21.8	0.40	17.7
2010 300.0 to 2011 35.0	1.17 ± 0.99	178.6 ± 48.5	1.33	58.2
2010 334.0 to 2011 69.0	3.50 ± 1.11	156.3 ± 18.2	1.23	53.9
2011 3.0 to 2011 103.0	2.57 ± 0.60	159.0 ± 13.4	0.39	17.0
2011 37.0 to 2011 137.0	2.51 ± 0.61	140.0 ± 13.9	0.58	25.5
2011 71.0 to 2011 171.0	3.63 ± 0.63	174.5 ± 9.9	1.73	75.7
2011 105.0 to 2011 205.0	0.82 ± 0.58	160.1 ± 40.5	1.47	64.5
2011 139.0 to 2011 239.0	7.27 ± 0.72	146.2 ± 5.7	5.01	219.6
2011 173.0 to 2011 273.0	3.42 ± 2.12	-125.7 ± 35.5	3.82	167.3
2011 207.0 to 2011 307.0	3.25 ± 2.36	-84.0 ± 41.6	4.89	214.2
2011 241.0 to 2011 341.0	4.90 ± 1.51	99.6 ± 17.7	3.98	174.4
2011 275.0 to 2012 10.0	2.52 ± 1.13	145.7 ± 25.7	0.38	16.8
2011 309.0 to 2012 44.0	3.11 ± 0.62	-173.1 ± 11.4	1.77	77.4