B065CH2 Comparison between current analysis and prior analysis

Pressure comparison			
time interval	Pressure Coef. counts/counts	Difference counts/counts	Percent change
2009 60.0 to 2009 160.0	-2.33731 ± 0.06513	0.00000	-0.0
2009 62.0 to 2009 162.0	-2.28121 ± 0.06855	0.05610	-2.4
2009 86.0 to 2009 186.0	-1.84399 ± 0.07470	0.49332	-21.1
2009 110.0 to 2009 210.0	-1.35077 ± 0.07445	0.98654	-42.2
2009 134.0 to 2009 234.0	-0.96962 ± 0.07628	1.36769	-58.5
2009 158.0 to 2009 258.0	-1.14718 ± 0.06954	1.19013	-50.9
2009 182.0 to 2009 282.0	-1.19901 ± 0.06981	1.13830	-48.7
2009 206.0 to 2009 306.0	-2.05188 ± 0.07783	0.28543	-12.2
2009 230.0 to 2009 330.0	-2.52458 ± 0.07452	-0.18727	8.0
2009 254.0 to 2009 354.0	-2.79962 ± 0.05609	-0.46231	19.8
2009 288.0 to 2010 23.0	-2.99176 ± 0.03536	-0.65445	28.0
2009 322.0 to 2010 57.0	-3.00842 ± 0.07192	-0.67111	28.7
2009 356.0 to 2010 91.0	-2.97583 ± 0.07563	-0.63852	27.3
2010 25.0 to 2010 125.0	-2.79505 ± 0.04877	-0.45774	19.6
2010 59.0 to 2010 159.0	-2.67910 ± 0.04771	-0.34179	14.6
2010 93.0 to 2010 193.0	-2.24935 ± 0.05243	0.08796	-3.8
2010 127.0 to 2010 227.0	-1.36096 ± 0.06015	0.97635	-41.8
2010 161.0 to 2010 261.0	-1.03110 ± 0.06863	1.30621	-55.9
2010 195.0 to 2010 295.0	-1.30170 ± 0.07070	1.03561	-44.3
2010 229.0 to 2010 329.0	-2.20951 ± 0.06109	0.12780	-5.5
2010 263.0 to 2010 363.0	-2.63053 ± 0.04322	-0.29322	12.5
2010 297.0 to 2011 32.0	-2.81134 ± 0.03320	-0.47403	20.3
2010 331.0 to 2011 66.0	-2.88685 ± 0.03180	-0.54954	23.5
2010 365.0 to 2011 100.0	-2.89746 ± 0.03493	-0.56015	24.0
2011 34.0 to 2011 134.0	-2.79567 ± 0.03689	-0.45836	19.6
2011 68.0 to 2011 168.0	-2.59326 ± 0.04176	-0.25595	11.0
2011 102.0 to 2011 202.0	-1.94267 ± 0.05296	0.39464	-16.9
2011 161.0 to 2011 261.0	-1.06836 ± 0.06279	1.26895	-54.3
2011 195.0 to 2011 295.0	-1.63953 ± 0.06149	0.69778	-29.9
2011 229.0 to 2011 329.0	-2.26166 ± 0.04761	0.07565	-3.2
2011 263.0 to 2011 363.0	-2.65868 ± 0.03601	-0.32137	13.7
2011 297.0 to 2012 32.0	-2.77612 ± 0.02758	-0.43881	18.8
2011 340.0 to 2012 75.0	-2.79857 ± 0.03527	-0.46126	19.7
2012 9.0 to 2012 109.0	-2.82909 ± 0.03811	-0.49178	21.0
2012 43.0 to 2012 143.0	-2.62223 ± 0.03798	-0.28492	12.2
2012 77.0 to 2012 177.0	-2.30933 ± 0.04374	0.02798	-1.2

Tidal comparson **M2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 60.0 to 2009 160.0	7.71 ± 0.04	20.1 ± 0.3	0.04	0.5
2009 62.0 to 2009 162.0	7.71 ± 0.04	20.1 ± 0.3	0.04	0.5
2009 86.0 to 2009 186.0	7.68 ± 0.04	20.1 ± 0.3	0.06	0.8
2009 110.0 to 2009 210.0	7.64 ± 0.04	20.1 ± 0.3	0.10	1.2
2009 134.0 to 2009 234.0	7.61 ± 0.03	20.1 ± 0.2	0.13	1.6
2009 158.0 to 2009 258.0	7.63 ± 0.03	20.0 ± 0.2	0.11	1.4
2009 182.0 to 2009 282.0	7.64 ± 0.03	20.3 ± 0.2	0.09	1.2
2009 206.0 to 2009 306.0	7.66 ± 0.04	20.4 ± 0.3	0.07	0.9
2009 230.0 to 2009 330.0	7.65 ± 0.04	20.5 ± 0.3	0.08	1.1
2009 254.0 to 2009 354.0	7.67 ± 0.04	20.5 ± 0.3	0.07	0.8
2009 288.0 to 2010 23.0	7.64 ± 0.03	20.2 ± 0.2	0.09	1.2
2009 322.0 to 2010 57.0	7.64 ± 0.06	20.0 ± 0.4	0.10	1.3
2009 356.0 to 2010 91.0	7.60 ± 0.06	19.8 ± 0.5	0.15	1.9
2010 25.0 to 2010 125.0	7.61 ± 0.03	19.8 ± 0.2	0.14	1.8
2010 59.0 to 2010 159.0	7.66 ± 0.03	19.8 ± 0.2	0.10	1.3
2010 93.0 to 2010 193.0	7.71 ± 0.03	19.8 ± 0.2	0.07	1.0
2010 127.0 to 2010 227.0	7.73 ± 0.03	19.7 ± 0.2	0.09	1.1
2010 161.0 to 2010 261.0	7.75 ± 0.03	20.0 ± 0.2	0.05	0.6
2010 195.0 to 2010 295.0	7.72 ± 0.03	20.4 ± 0.2	0.01	0.2
2010 229.0 to 2010 329.0	7.75 ± 0.04	20.7 ± 0.3	0.05	0.7
2010 263.0 to 2010 363.0	7.72 ± 0.03	20.7 ± 0.2	0.05	0.7
2010 297.0 to 2011 32.0	7.78 ± 0.03	20.7 ± 0.2	0.07	0.9
2010 331.0 to 2011 66.0	7.73 ± 0.03	20.5 ± 0.2	0.02	0.3
2010 365.0 to 2011 100.0	7.78 ± 0.03	20.4 ± 0.2	0.05	0.6
2011 34.0 to 2011 134.0	7.83 ± 0.03	20.2 ± 0.2	0.10	1.3
2011 68.0 to 2011 168.0	7.85 ± 0.03	20.0 ± 0.2	0.13	1.6
2011 102.0 to 2011 202.0	7.86 ± 0.03	20.3 ± 0.2	0.13	1.7
2011 161.0 to 2011 261.0	7.84 ± 0.03	20.5 ± 0.2	0.11	1.4
2011 195.0 to 2011 295.0	7.85 ± 0.03	20.3 ± 0.2	0.12	1.5
2011 229.0 to 2011 329.0	7.88 ± 0.03	20.3 ± 0.2	0.15	1.9
2011 263.0 to 2011 363.0	7.87 ± 0.02	20.2 ± 0.1	0.14	1.8
2011 297.0 to 2012 32.0	7.91 ± 0.02	20.3 ± 0.1	0.18	2.3
2011 340.0 to 2012 75.0	7.95 ± 0.03	20.5 ± 0.2	0.22	2.8
2012 9.0 to 2012 109.0	7.95 ± 0.03	20.2 ± 0.2	0.22	2.8
2012 43.0 to 2012 143.0	7.95 ± 0.03	20.2 ± 0.2	0.22	2.8
2012 77.0 to 2012 177.0	7.93 ± 0.03	20.3 ± 0.2	0.20	2.6

Tidal comparson **O1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 60.0 to 2009 160.0	4.67 ± 0.08	21.7 ± 1.0	0.56	13.5
2009 62.0 to 2009 162.0	4.64 ± 0.08	21.1 ± 1.0	0.56	13.4
2009 86.0 to 2009 186.0	4.64 ± 0.09	21.8 ± 1.1	0.53	12.8
2009 110.0 to 2009 210.0	4.49 ± 0.08	21.2 ± 1.0	0.42	10.2
2009 134.0 to 2009 234.0	4.52 ± 0.08	22.2 ± 1.0	0.41	9.8
2009 158.0 to 2009 258.0	4.52 ± 0.07	23.3 ± 0.9	0.38	9.1
2009 182.0 to 2009 282.0	4.57 ± 0.08	23.7 ± 1.0	0.42	10.1
2009 206.0 to 2009 306.0	4.66 ± 0.09	23.4 ± 1.1	0.51	12.3
2009 230.0 to 2009 330.0	4.62 ± 0.09	24.3 ± 1.1	0.46	11.2
2009 254.0 to 2009 354.0	4.66 ± 0.08	23.7 ± 1.0	0.51	12.3
2009 288.0 to 2010 23.0	4.27 ± 0.06	24.1 ± 0.8	0.12	2.9
2009 322.0 to 2010 57.0	4.17 ± 0.14	22.8 ± 1.9	0.13	3.2
2009 356.0 to 2010 91.0	4.04 ± 0.14	24.0 ± 2.0	0.12	3.0
2010 25.0 to 2010 125.0	4.27 ± 0.08	25.4 ± 1.1	0.13	3.1
2010 59.0 to 2010 159.0	4.29 ± 0.07	28.3 ± 0.9	0.30	7.2
2010 93.0 to 2010 193.0	4.36 ± 0.06	28.9 ± 0.8	0.38	9.1
2010 127.0 to 2010 227.0	4.28 ± 0.06	26.3 ± 0.8	0.17	4.2
2010 161.0 to 2010 261.0	4.18 ± 0.07	23.6 ± 1.0	0.08	1.9
2010 195.0 to 2010 295.0	4.23 ± 0.08	22.0 ± 1.1	0.21	5.0
2010 229.0 to 2010 329.0	4.05 ± 0.08	23.9 ± 1.1	0.12	2.9
2010 263.0 to 2010 363.0	4.00 ± 0.07	24.5 ± 1.0	0.16	3.8
2010 297.0 to 2011 32.0	3.88 ± 0.06	26.6 ± 0.9	0.31	7.4
2010 331.0 to 2011 66.0	4.07 ± 0.06	25.2 ± 0.8	0.09	2.3
2010 365.0 to 2011 100.0	4.12 ± 0.06	25.3 ± 0.8	0.06	1.4
2011 34.0 to 2011 134.0	4.04 ± 0.06	24.6 ± 0.9	0.12	2.8
2011 68.0 to 2011 168.0	3.95 ± 0.06	25.9 ± 0.9	0.22	5.4
2011 102.0 to 2011 202.0	4.13 ± 0.06	26.9 ± 0.8	0.17	4.0
2011 161.0 to 2011 261.0	4.06 ± 0.06	27.1 ± 0.8	0.20	4.8
2011 195.0 to 2011 295.0	3.88 ± 0.06	26.9 ± 0.9	0.32	7.6
2011 229.0 to 2011 329.0	3.91 ± 0.06	28.6 ± 0.9	0.37	8.9
2011 263.0 to 2011 363.0	3.98 ± 0.05	28.2 ± 0.7	0.31	7.4
2011 297.0 to 2012 32.0	3.90 ± 0.05	26.2 ± 0.7	0.28	6.7
2011 340.0 to 2012 75.0	3.88 ± 0.06	25.4 ± 0.9	0.28	6.8
2012 9.0 to 2012 109.0	3.70 ± 0.07	22.8 ± 1.1	0.47	11.4
2012 43.0 to 2012 143.0	3.73 ± 0.06	23.6 ± 0.9	0.43	10.4
2012 77.0 to 2012 177.0	3.60 ± 0.06	23.2 ± 1.0	0.56	13.6

Tidal comparson **K1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 60.0 to 2009 160.0	4.34 ± 0.33	-165.7 ± 4.4	1.66	40.8
2009 62.0 to 2009 162.0	4.96 ± 0.33	-167.0 ± 3.8	1.88	46.0
2009 86.0 to 2009 186.0	4.16 ± 0.35	-162.4 ± 4.8	1.84	45.2
2009 110.0 to 2009 210.0	3.45 ± 0.33	171.7 ± 5.5	0.63	15.5
2009 134.0 to 2009 234.0	3.22 ± 0.31	-174.7 ± 5.5	1.21	29.7
2009 158.0 to 2009 258.0	3.07 ± 0.29	154.8 ± 5.4	1.45	35.6
2009 182.0 to 2009 282.0	3.62 ± 0.31	153.3 ± 4.9	1.32	32.3
2009 206.0 to 2009 306.0	4.55 ± 0.38	152.6 ± 4.8	1.51	37.0
2009 230.0 to 2009 330.0	5.39 ± 0.38	147.1 ± 4.0	2.39	58.6
2009 254.0 to 2009 354.0	4.88 ± 0.33	158.2 ± 3.9	1.32	32.4
2009 288.0 to 2010 23.0	5.32 ± 0.25	166.8 ± 2.7	1.30	31.9
2009 322.0 to 2010 57.0	7.58 ± 0.57	169.0 ± 4.3	3.51	86.0
2009 356.0 to 2010 91.0	5.01 ± 0.59	-177.2 ± 6.7	1.27	31.2
2010 25.0 to 2010 125.0	5.59 ± 0.31	-165.4 ± 3.2	2.42	59.3
2010 59.0 to 2010 159.0	4.18 ± 0.27	-160.1 ± 3.7	2.01	49.2
2010 93.0 to 2010 193.0	2.73 ± 0.26	173.4 ± 5.5	1.35	33.2
2010 127.0 to 2010 227.0	2.62 ± 0.26	-178.4 ± 5.7	1.57	38.3
2010 161.0 to 2010 261.0	2.62 ± 0.29	151.9 ± 6.3	1.85	45.2
2010 195.0 to 2010 295.0	3.27 ± 0.31	144.8 ± 5.4	1.89	46.2
2010 229.0 to 2010 329.0	4.09 ± 0.34	149.7 ± 4.8	1.56	38.3
2010 263.0 to 2010 363.0	4.95 ± 0.29	148.5 ± 3.4	2.01	49.3
2010 297.0 to 2011 32.0	6.83 ± 0.24	173.5 ± 2.0	2.75	67.5
2010 331.0 to 2011 66.0	6.78 ± 0.24	163.3 ± 2.0	2.81	68.8
2010 365.0 to 2011 100.0	4.84 ± 0.25	-164.6 ± 3.0	1.97	48.3
2011 34.0 to 2011 134.0	5.67 ± 0.25	-178.6 ± 2.5	1.78	43.7
2011 68.0 to 2011 168.0	2.90 ± 0.25	-179.4 ± 4.9	1.29	31.7
2011 102.0 to 2011 202.0	4.11 ± 0.25	-164.0 ± 3.5	1.72	42.1
2011 161.0 to 2011 261.0	2.38 ± 0.25	165.8 ± 6.0	1.73	42.4
2011 195.0 to 2011 295.0	4.27 ± 0.27	137.0 ± 3.6	2.50	61.3
2011 229.0 to 2011 329.0	4.32 ± 0.26	140.4 ± 3.4	2.28	55.9
2011 263.0 to 2011 363.0	5.56 ± 0.22	160.4 ± 2.3	1.75	43.0
2011 297.0 to 2012 32.0	6.23 ± 0.19	154.9 ± 1.7	2.61	63.9
2011 340.0 to 2012 75.0	5.71 ± 0.24	-177.4 ± 2.4	1.87	45.7
2012 9.0 to 2012 109.0	5.88 ± 0.27	-176.7 ± 2.6	2.05	50.2
2012 43.0 to 2012 143.0	4.22 ± 0.23	-164.3 ± 3.1	1.73	42.3
2012 77.0 to 2012 177.0	2.56 ± 0.25	-156.5 ± 5.6	2.33	57.1

Tidal comparson **S2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 60.0 to 2009 160.0	2.38 ± 0.14	178.8 ± 3.4	0.19	8.4
2009 62.0 to 2009 162.0	2.43 ± 0.14	178.1 ± 3.3	0.25	11.0
2009 86.0 to 2009 186.0	1.80 ± 0.15	179.0 ± 4.8	0.43	19.3
2009 110.0 to 2009 210.0	1.58 ± 0.14	170.6 ± 5.1	0.73	32.8
2009 134.0 to 2009 234.0	1.58 ± 0.13	163.9 ± 4.7	0.85	38.5
2009 158.0 to 2009 258.0	2.09 ± 0.13	-178.4 ± 3.6	0.13	5.9
2009 182.0 to 2009 282.0	1.59 ± 0.13	-171.3 ± 4.7	0.68	30.5
2009 206.0 to 2009 306.0	2.04 ± 0.16	-157.6 ± 4.5	0.80	36.1
2009 230.0 to 2009 330.0	2.22 ± 0.16	-179.5 ± 4.1	0.03	1.3
2009 254.0 to 2009 354.0	2.11 ± 0.14	177.0 ± 3.8	0.19	8.8
2009 288.0 to 2010 23.0	2.97 ± 0.11	-178.3 ± 2.1	0.75	33.8
2009 322.0 to 2010 57.0	2.78 ± 0.24	-179.0 ± 4.9	0.56	25.2
2009 356.0 to 2010 91.0	3.18 ± 0.24	179.1 ± 4.3	0.96	43.4
2010 25.0 to 2010 125.0	2.63 ± 0.13	-173.6 ± 2.8	0.46	20.9
2010 59.0 to 2010 159.0	2.33 ± 0.12	179.0 ± 3.0	0.14	6.4
2010 93.0 to 2010 193.0	2.11 ± 0.12	-177.8 ± 3.3	0.12	5.2
2010 127.0 to 2010 227.0	1.79 ± 0.11	175.9 ± 3.5	0.47	21.1
2010 161.0 to 2010 261.0	2.05 ± 0.12	-178.9 ± 3.4	0.17	7.7
2010 195.0 to 2010 295.0	1.73 ± 0.13	-167.0 ± 4.3	0.63	28.5
2010 229.0 to 2010 329.0	2.18 ± 0.14	179.5 ± 3.7	0.08	3.5
2010 263.0 to 2010 363.0	2.18 ± 0.12	175.3 ± 3.2	0.23	10.4
2010 297.0 to 2011 32.0	3.13 ± 0.10	-174.3 ± 1.8	0.93	42.0
2010 331.0 to 2011 66.0	2.49 ± 0.10	-176.3 ± 2.3	0.29	13.0
2010 365.0 to 2011 100.0	2.71 ± 0.11	179.8 ± 2.3	0.49	22.2
2011 34.0 to 2011 134.0	2.73 ± 0.11	-176.0 ± 2.3	0.52	23.6
2011 68.0 to 2011 168.0	2.37 ± 0.11	-175.1 ± 2.7	0.21	9.4
2011 102.0 to 2011 202.0	2.07 ± 0.11	175.6 ± 3.0	0.26	11.7
2011 161.0 to 2011 261.0	1.61 ± 0.11	-177.5 ± 3.9	0.61	27.6
2011 195.0 to 2011 295.0	2.30 ± 0.11	-167.7 ± 2.7	0.44	19.9
2011 229.0 to 2011 329.0	2.00 ± 0.11	-167.0 ± 3.2	0.48	21.8
2011 263.0 to 2011 363.0	2.51 ± 0.10	-178.9 ± 2.3	0.29	13.0
2011 297.0 to 2012 32.0	2.73 ± 0.08	-177.4 ± 1.7	0.51	23.1
2011 340.0 to 2012 75.0	2.81 ± 0.10	-176.7 ± 2.0	0.60	26.9
2012 9.0 to 2012 109.0	2.82 ± 0.11	176.5 ± 2.2	0.63	28.6
2012 43.0 to 2012 143.0	2.83 ± 0.10	-177.9 ± 2.0	0.61	27.5
2012 77.0 to 2012 177.0	2.20 ± 0.11	175.6 ± 2.9	0.22	9.8