B022CH1 Comparison between current analysis and prior analysis

Pressure comparison			
time interval	Pressure Coef. counts/counts	Difference counts/counts	Percent change
2008 26.0 to 2008 126.0	-3.73848 ± 0.10761	-0.06133	1.7
2008 43.0 to 2008 143.0	-3.82900 ± 0.11935	-0.15185	4.1
2008 60.0 to 2008 160.0	-3.72825 ± 0.12965	-0.05110	1.4
2008 77.0 to 2008 177.0	-3.72374 ± 0.13774	-0.04659	1.3
2008 94.0 to 2008 194.0	-3.67715 ± 0.13901	0.00000	-0.0
2008 113.0 to 2008 213.0	-3.66362 ± 0.12227	0.01353	-0.4
2008 135.0 to 2008 235.0	-4.02479 ± 0.10661	-0.34764	9.5
2008 157.0 to 2008 257.0	-4.02745 ± 0.08872	-0.35030	9.5
2008 179.0 to 2008 279.0	-3.95430 ± 0.07400	-0.27715	7.5
2008 201.0 to 2008 301.0	-4.07666 ± 0.07656	-0.39951	10.9
2008 223.0 to 2008 323.0	-3.35837 ± 0.12509	0.31878	-8.7
2008 245.0 to 2008 345.0	-3.52005 ± 0.29059	0.15710	-4.3
2008 267.0 to 2009 1.0	-3.72873 ± 0.17930	-0.05158	1.4
2008 289.0 to 2009 23.0	-3.39448 ± 0.30329	0.28267	-7.7
2008 311.0 to 2009 45.0	-3.39766 ± 0.28768	0.27949	-7.6
2008 333.0 to 2009 67.0	-3.69800 ± 0.18823	-0.02085	0.6
2008 355.0 to 2009 89.0	-3.57030 ± 0.23164	0.10685	-2.9
2009 6.0 to 2009 106.0	-3.50980 ± 0.13781	0.16735	-4.6
2009 30.0 to 2009 130.0	-3.64788 ± 0.13320	0.02927	-0.8
2009 54.0 to 2009 154.0	-3.54137 ± 0.15080	0.13578	-3.7
2009 78.0 to 2009 178.0	-3.54230 ± 0.14231	0.13485	-3.7
2009 104.0 to 2009 204.0	-3.78713 ± 0.12008	-0.10998	3.0
2009 128.0 to 2009 228.0	-3.26812 ± 0.20760	0.40903	-11.1
2009 152.0 to 2009 252.0	-3.63963 ± 0.15443	0.03752	-1.0
2009 176.0 to 2009 276.0	-3.77235 ± 0.10423	-0.09520	2.6
2009 200.0 to 2009 300.0	-3.96804 ± 0.10735	-0.29089	7.9
2009 224.0 to 2009 324.0	-3.73811 ± 0.14275	-0.06096	1.7
2009 248.0 to 2009 348.0	-3.72710 ± 0.21469	-0.04995	1.4
2009 285.0 to 2010 20.0	-3.65279 ± 0.17939	0.02436	-0.7
2009 319.0 to 2010 54.0	-3.71760 ± 0.12851	-0.04045	1.1
2009 353.0 to 2010 88.0	-3.91150 ± 0.12959	-0.23435	6.4
2010 22.0 to 2010 122.0	-3.87831 ± 0.09870	-0.20116	5.5
2010 56.0 to 2010 156.0	-3.69379 ± 0.10149	-0.01664	0.5
2010 90.0 to 2010 190.0	-3.60307 ± 0.14586	0.07408	-2.0
2010 137.0 to 2010 237.0	-3.50021 ± 0.17390	0.17694	-4.8
2010 171.0 to 2010 271.0	-3.71461 ± 0.11189	-0.03746	1.0
2010 205.0 to 2010 305.0	-3.88777 ± 0.10991	-0.21062	5.7
2010 239.0 to 2010 339.0	-3.28377 ± 0.26311	0.39338	-10.7
2010 273.0 to 2011 8.0	-3.61167 ± 0.24393	0.06548	-1.8
2010 307.0 to 2011 42.0	-3.64859 ± 0.25003	0.02856	-0.8
2010 341.0 to 2011 76.0	-3.66144 ± 0.22163	0.01571	-0.4
2011 10.0 to 2011 110.0	-3.39030 ± 0.21589	0.28685	-7.8
2011 44.0 to 2011 144.0	-3.43043 ± 0.20849	0.24672	-6.7

Tidal comparson **M2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2008 26.0 to 2008 126.0	22.21 ± 0.12	31.9 ± 0.3	1.49	7.1
2008 43.0 to 2008 143.0	22.20 ± 0.11	32.2 ± 0.3	1.44	6.9
2008 60.0 to 2008 160.0	22.17 ± 0.12	32.3 ± 0.3	1.40	6.7
2008 77.0 to 2008 177.0	22.21 ± 0.11	32.4 ± 0.3	1.43	6.8
2008 94.0 to 2008 194.0	22.14 ± 0.10	32.3 ± 0.3	1.37	6.6
2008 113.0 to 2008 213.0	22.04 ± 0.08	32.2 ± 0.2	1.29	6.2
2008 135.0 to 2008 235.0	21.96 ± 0.07	32.0 ± 0.2	1.24	6.0
2008 157.0 to 2008 257.0	21.85 ± 0.06	31.7 ± 0.2	1.20	5.8
2008 179.0 to 2008 279.0	21.80 ± 0.05	31.7 ± 0.1	1.16	5.6
2008 201.0 to 2008 301.0	21.84 ± 0.06	31.9 ± 0.2	1.15	5.5
2008 223.0 to 2008 323.0	21.75 ± 0.11	32.1 ± 0.3	1.04	5.0
2008 245.0 to 2008 345.0	21.80 ± 0.28	32.5 ± 0.7	1.02	4.9
2008 267.0 to 2009 1.0	21.83 ± 0.22	32.7 ± 0.6	1.03	4.9
2008 289.0 to 2009 23.0	21.97 ± 0.39	33.1 ± 1.0	1.14	5.5
2008 311.0 to 2009 45.0	22.04 ± 0.37	33.3 ± 1.0	1.20	5.8
2008 333.0 to 2009 67.0	22.09 ± 0.24	32.9 ± 0.6	1.27	6.1
2008 355.0 to 2009 89.0	22.15 ± 0.30	32.7 ± 0.8	1.34	6.4
2009 6.0 to 2009 106.0	22.08 ± 0.15	32.5 ± 0.4	1.29	6.2
2009 30.0 to 2009 130.0	21.85 ± 0.15	32.6 ± 0.4	1.06	5.1
2009 54.0 to 2009 154.0	21.67 ± 0.16	33.1 ± 0.4	0.84	4.0
2009 78.0 to 2009 178.0	21.42 ± 0.13	33.6 ± 0.3	0.59	2.8
2009 104.0 to 2009 204.0	21.00 ± 0.10	34.1 ± 0.3	0.29	1.4
2009 128.0 to 2009 228.0	20.75 ± 0.14	34.2 ± 0.4	0.29	1.4
2009 152.0 to 2009 252.0	20.58 ± 0.10	33.8 ± 0.3	0.29	1.4
2009 176.0 to 2009 276.0	20.52 ± 0.08	33.6 ± 0.2	0.32	1.6
2009 200.0 to 2009 300.0	20.52 ± 0.09	33.3 ± 0.3	0.32	1.5
2009 224.0 to 2009 324.0	20.60 ± 0.15	33.5 ± 0.4	0.24	1.1
2009 248.0 to 2009 348.0	20.66 ± 0.27	33.5 ± 0.7	0.18	0.9
2009 285.0 to 2010 20.0	20.49 ± 0.26	33.6 ± 0.7	0.35	1.7
2009 319.0 to 2010 54.0	20.29 ± 0.18	33.5 ± 0.5	0.55	2.6
2009 353.0 to 2010 88.0	20.06 ± 0.17	32.9 ± 0.5	0.80	3.8
2010 22.0 to 2010 122.0	20.10 ± 0.13	32.8 ± 0.4	0.77	3.7
2010 56.0 to 2010 156.0	20.07 ± 0.12	32.5 ± 0.3	0.84	4.0
2010 90.0 to 2010 190.0	20.11 ± 0.15	32.5 ± 0.4	0.80	3.8
2010 137.0 to 2010 237.0	20.08 ± 0.14	32.7 ± 0.4	0.80	3.8
2010 171.0 to 2010 271.0	20.02 ± 0.07	32.1 ± 0.2	0.95	4.5
2010 205.0 to 2010 305.0	20.00 ± 0.08	32.2 ± 0.2	0.95	4.5
2010 239.0 to 2010 339.0	20.10 ± 0.27	32.2 ± 0.8	0.86	4.1
2010 273.0 to 2011 8.0	20.02 ± 0.31	32.3 ± 0.9	0.91	4.4
2010 307.0 to 2011 42.0	19.99 ± 0.33	32.2 ± 0.9	0.96	4.6
2010 341.0 to 2011 76.0	19.91 ± 0.31	32.4 ± 0.9	1.00	4.8
2011 10.0 to 2011 110.0	19.92 ± 0.27	32.2 ± 0.8	1.02	4.9
2011 44.0 to 2011 144.0	19.84 ± 0.25	32.2 ± 0.7	1.09	5.2

Tidal comparson **O1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2008 26.0 to 2008 126.0	9.18 ± 0.28	37.7 ± 1.7	1.06	12.2
2008 43.0 to 2008 143.0	9.33 ± 0.26	38.4 ± 1.6	1.06	12.2
2008 60.0 to 2008 160.0	9.37 ± 0.27	39.8 ± 1.7	0.92	10.7
2008 77.0 to 2008 177.0	9.35 ± 0.26	40.1 ± 1.6	0.88	10.1
2008 94.0 to 2008 194.0	9.37 ± 0.22	41.0 ± 1.3	0.81	9.3
2008 113.0 to 2008 213.0	9.46 ± 0.18	41.1 ± 1.1	0.88	10.2
2008 135.0 to 2008 235.0	9.53 ± 0.16	40.0 ± 1.0	1.03	11.9
2008 157.0 to 2008 257.0	9.38 ± 0.12	38.8 ± 0.7	1.04	12.0
2008 179.0 to 2008 279.0	9.18 ± 0.11	38.3 ± 0.7	0.98	11.3
2008 201.0 to 2008 301.0	9.05 ± 0.13	39.0 ± 0.8	0.82	9.4
2008 223.0 to 2008 323.0	9.00 ± 0.25	44.2 ± 1.6	0.33	3.8
2008 245.0 to 2008 345.0	9.45 ± 0.64	47.0 ± 3.9	0.93	10.7
2008 267.0 to 2009 1.0	9.54 ± 0.50	46.8 ± 3.0	0.99	11.4
2008 289.0 to 2009 23.0	9.42 ± 0.90	44.7 ± 5.5	0.76	8.7
2008 311.0 to 2009 45.0	9.40 ± 0.86	42.0 ± 5.2	0.77	8.9
2008 333.0 to 2009 67.0	9.05 ± 0.56	37.0 ± 3.5	1.10	12.7
2008 355.0 to 2009 89.0	8.82 ± 0.69	37.2 ± 4.5	1.00	11.6
2009 6.0 to 2009 106.0	8.95 ± 0.35	40.5 ± 2.2	0.56	6.5
2009 30.0 to 2009 130.0	8.83 ± 0.34	41.6 ± 2.2	0.36	4.1
2009 54.0 to 2009 154.0	8.55 ± 0.37	43.5 ± 2.5	0.13	1.5
2009 78.0 to 2009 178.0	8.39 ± 0.31	44.9 ± 2.1	0.34	3.9
2009 104.0 to 2009 204.0	8.92 ± 0.24	45.3 ± 1.5	0.34	3.9
2009 128.0 to 2009 228.0	9.03 ± 0.32	46.2 ± 2.0	0.52	6.0
2009 152.0 to 2009 252.0	8.99 ± 0.23	44.7 ± 1.5	0.35	4.0
2009 176.0 to 2009 276.0	9.01 ± 0.17	44.7 ± 1.1	0.36	4.2
2009 200.0 to 2009 300.0	8.84 ± 0.21	46.4 ± 1.4	0.44	5.1
2009 224.0 to 2009 324.0	7.95 ± 0.34	45.5 ± 2.5	0.77	8.9
2009 248.0 to 2009 348.0	7.49 ± 0.63	44.6 ± 4.8	1.20	13.8
2009 285.0 to 2010 20.0	7.91 ± 0.62	44.5 ± 4.5	0.78	9.0
2009 319.0 to 2010 54.0	8.14 ± 0.41	46.5 ± 2.9	0.68	7.8
2009 353.0 to 2010 88.0	8.57 ± 0.40	46.4 ± 2.7	0.42	4.8
2010 22.0 to 2010 122.0	7.94 ± 0.30	49.8 ± 2.2	1.15	13.3
2010 56.0 to 2010 156.0	8.12 ± 0.28	48.5 ± 2.0	0.90	10.3
2010 90.0 to 2010 190.0	8.36 ± 0.34	49.8 ± 2.3	0.96	11.1
2010 137.0 to 2010 237.0	8.30 ± 0.32	49.3 ± 2.2	0.91	10.5
2010 171.0 to 2010 271.0	8.04 ± 0.16	48.6 ± 1.1	0.96	11.0
2010 205.0 to 2010 305.0	8.04 ± 0.19	47.9 ± 1.4	0.88	10.2
2010 239.0 to 2010 339.0	7.60 ± 0.65	54.7 ± 4.9	1.89	21.8
2010 273.0 to 2011 8.0	7.04 ± 0.73	51.1 ± 5.9	1.92	22.2
2010 307.0 to 2011 42.0	7.68 ± 0.77	46.0 ± 5.7	1.05	12.1
2010 341.0 to 2011 76.0	7.70 ± 0.73	40.7 ± 5.4	1.07	12.3
2011 10.0 to 2011 110.0	7.71 ± 0.62	43.5 ± 4.6	0.97	11.2
2011 44.0 to 2011 144.0	7.75 ± 0.60	45.1 ± 4.4	0.95	11.0

Tidal comparson **K1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2008 26.0 to 2008 126.0	11.95 ± 1.10	-169.2 ± 5.3	0.58	5.1
2008 43.0 to 2008 143.0	13.55 ± 1.05	-164.8 ± 4.4	2.32	20.4
2008 60.0 to 2008 160.0	10.29 ± 1.09	-163.0 ± 6.1	1.53	13.4
2008 77.0 to 2008 177.0	11.63 ± 1.05	-168.4 ± 5.2	0.25	2.2
2008 94.0 to 2008 194.0	12.85 ± 0.91	-163.9 ± 4.1	1.78	15.6
2008 113.0 to 2008 213.0	11.47 ± 0.75	-165.4 ± 3.7	0.65	5.8
2008 135.0 to 2008 235.0	11.26 ± 0.67	-175.7 ± 3.4	1.40	12.3
2008 157.0 to 2008 257.0	11.81 ± 0.51	-162.7 ± 2.5	1.28	11.2
2008 179.0 to 2008 279.0	11.29 ± 0.47	-171.3 ± 2.4	0.53	4.7
2008 201.0 to 2008 301.0	11.50 ± 0.52	-168.4 ± 2.6	0.13	1.1
2008 223.0 to 2008 323.0	17.24 ± 1.01	-156.6 ± 3.4	6.55	57.6
2008 245.0 to 2008 345.0	10.64 ± 2.61	175.9 ± 14.1	3.05	26.8
2008 267.0 to 2009 1.0	14.80 ± 2.02	174.8 ± 7.8	5.06	44.5
2008 289.0 to 2009 23.0	8.95 ± 3.65	-138.6 ± 23.4	5.77	50.7
2008 311.0 to 2009 45.0	12.04 ± 3.51	-179.2 ± 16.7	2.25	19.8
2008 333.0 to 2009 67.0	16.65 ± 2.29	-177.8 ± 7.9	5.71	50.1
2008 355.0 to 2009 89.0	8.10 ± 2.83	-163.6 ± 20.0	3.39	29.8
2009 6.0 to 2009 106.0	6.99 ± 1.40	-168.3 ± 11.5	4.39	38.6
2009 30.0 to 2009 130.0	13.14 ± 1.39	-159.5 ± 6.1	2.63	23.1
2009 54.0 to 2009 154.0	9.79 ± 1.50	-164.2 ± 8.8	1.79	15.7
2009 78.0 to 2009 178.0	11.93 ± 1.20	-162.6 ± 5.8	1.35	11.8
2009 104.0 to 2009 204.0	12.03 ± 1.02	-168.4 ± 4.9	0.65	5.7
2009 128.0 to 2009 228.0	9.30 ± 1.38	-167.9 ± 8.5	2.09	18.3
2009 152.0 to 2009 252.0	10.78 ± 0.91	-167.3 ± 4.8	0.66	5.8
2009 176.0 to 2009 276.0	11.31 ± 0.70	-170.3 ± 3.5	0.33	2.9
2009 200.0 to 2009 300.0	8.87 ± 0.88	179.0 ± 5.7	3.31	29.1
2009 224.0 to 2009 324.0	6.14 ± 1.38	-172.5 ± 12.9	5.27	46.3
2009 248.0 to 2009 348.0	12.29 ± 2.49	-163.6 ± 11.6	1.38	12.1
2009 285.0 to 2010 20.0	9.90 ± 2.77	-177.8 ± 16.0	2.25	19.8
2009 319.0 to 2010 54.0	13.72 ± 2.20	-147.9 ± 9.2	5.07	44.6
2009 353.0 to 2010 88.0	11.49 ± 1.71	-170.8 ± 8.5	0.44	3.9
2010 22.0 to 2010 122.0	12.41 ± 1.29	-176.4 ± 6.0	1.91	16.7
2010 56.0 to 2010 156.0	9.97 ± 1.16	-164.3 ± 6.7	1.63	14.3
2010 90.0 to 2010 190.0	11.87 ± 1.43	-164.4 ± 6.9	0.99	8.7
2010 137.0 to 2010 237.0	8.62 ± 1.32	-161.3 ± 8.8	3.04	26.7
2010 171.0 to 2010 271.0	9.91 ± 0.74	-176.9 ± 4.3	2.12	18.6
2010 205.0 to 2010 305.0	8.67 ± 2.78	-169.7 ± 18.4	2.72	23.9
2010 239.0 to 2010 339.0	9.62 ± 2.78	-169.3 ± 16.6	1.77	15.5
2010 273.0 to 2011 8.0	12.06 ± 3.48	-176.1 ± 16.5	1.67	14.6
2010 307.0 to 2011 42.0	9.12 ± 3.18	-167.4 ± 20.0	2.27	20.0
2010 341.0 to 2011 76.0	14.16 ± 2.90	-180.0 ± 11.7	3.74	32.9
2011 10.0 to 2011 110.0	10.52 ± 2.39	-175.2 ± 13.0	1.52	13.3
2011 44.0 to 2011 144.0	9.66 ± 2.38	-161.4 ± 14.1	2.17	19.1

Tidal comparson **S2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2008 26.0 to 2008 126.0	6.70 ± 0.49	-148.7 ± 4.2	0.22	3.5
2008 43.0 to 2008 143.0	6.58 ± 0.44	-141.0 ± 3.8	0.92	14.2
2008 60.0 to 2008 160.0	6.81 ± 0.46	-147.6 ± 3.9	0.37	5.7
2008 77.0 to 2008 177.0	6.60 ± 0.44	-153.0 ± 3.8	0.47	7.3
2008 94.0 to 2008 194.0	6.18 ± 0.39	-147.3 ± 3.6	0.35	5.5
2008 113.0 to 2008 213.0	6.72 ± 0.32	-146.6 ± 2.7	0.37	5.7
2008 135.0 to 2008 235.0	7.46 ± 0.28	-144.8 ± 2.2	1.11	17.1
2008 157.0 to 2008 257.0	7.01 ± 0.23	-143.8 ± 1.9	0.81	12.5
2008 179.0 to 2008 279.0	6.30 ± 0.21	-145.6 ± 1.9	0.42	6.5
2008 201.0 to 2008 301.0	6.11 ± 0.22	-149.3 ± 2.1	0.37	5.7
2008 223.0 to 2008 323.0	5.81 ± 0.43	-138.0 ± 4.2	1.35	20.9
2008 245.0 to 2008 345.0	7.23 ± 1.09	-147.6 ± 8.6	0.77	11.9
2008 267.0 to 2009 1.0	7.69 ± 0.84	-149.4 ± 6.3	1.21	18.7
2008 289.0 to 2009 23.0	7.15 ± 1.52	-149.5 ± 12.2	0.67	10.4
2008 311.0 to 2009 45.0	5.74 ± 1.46	-133.4 ± 14.6	1.81	28.0
2008 333.0 to 2009 67.0	6.11 ± 0.95	-147.3 ± 8.9	0.41	6.4
2008 355.0 to 2009 89.0	7.35 ± 1.18	-151.0 ± 9.2	0.90	13.9
2009 6.0 to 2009 106.0	7.30 ± 0.59	-152.9 ± 4.6	0.94	14.6
2009 30.0 to 2009 130.0	6.43 ± 0.58	-142.0 ± 5.2	0.79	12.2
2009 54.0 to 2009 154.0	6.49 ± 0.62	-149.1 ± 5.5	0.01	0.2
2009 78.0 to 2009 178.0	6.44 ± 0.51	-152.5 ± 4.5	0.39	6.1
2009 104.0 to 2009 204.0	6.50 ± 0.42	-146.0 ± 3.7	0.34	5.3
2009 128.0 to 2009 228.0	6.40 ± 0.53	-148.6 ± 4.7	0.09	1.4
2009 152.0 to 2009 252.0	6.54 ± 0.38	-150.7 ± 3.3	0.20	3.1
2009 176.0 to 2009 276.0	6.20 ± 0.28	-151.3 ± 2.6	0.38	5.8
2009 200.0 to 2009 300.0	5.64 ± 0.39	-152.7 ± 4.0	0.92	14.3
2009 224.0 to 2009 324.0	7.60 ± 0.56	-150.0 ± 4.2	1.13	17.4
2009 248.0 to 2009 348.0	6.68 ± 1.03	-150.5 ± 8.8	0.26	4.1
2009 285.0 to 2010 20.0	5.53 ± 1.10	-150.8 ± 11.4	0.97	14.9
2009 319.0 to 2010 54.0	8.37 ± 0.87	-151.3 ± 6.0	1.91	29.5
2009 353.0 to 2010 88.0	5.61 ± 0.67	-152.4 ± 6.8	0.94	14.5
2010 22.0 to 2010 122.0	6.42 ± 0.48	-149.9 ± 4.3	0.11	1.8
2010 56.0 to 2010 156.0	6.45 ± 0.48	-148.8 ± 4.3	0.04	0.6
2010 90.0 to 2010 190.0	6.37 ± 0.59	-153.5 ± 5.3	0.51	7.9
2010 137.0 to 2010 237.0	6.20 ± 0.48	-149.2 ± 4.4	0.28	4.3
2010 171.0 to 2010 271.0	6.30 ± 0.28	-153.6 ± 2.5	0.54	8.3
2010 205.0 to 2010 305.0	5.50 ± 0.77	-153.4 ± 8.0	1.08	16.7
2010 239.0 to 2010 339.0	6.24 ± 1.04	-151.4 ± 9.5	0.36	5.5
2010 273.0 to 2011 8.0	6.49 ± 1.37	-149.5 ± 12.1	0.06	0.9
2010 307.0 to 2011 42.0	5.83 ± 1.27	-155.0 ± 12.5	0.91	14.1
2010 341.0 to 2011 76.0	7.18 ± 1.22	-151.1 ± 9.7	0.74	11.5
2011 10.0 to 2011 110.0	5.80 ± 1.00	-153.5 ± 9.9	0.83	12.8
2011 44.0 to 2011 144.0	6.36 ± 0.93	-147.6 ± 8.4	0.20	3.1