B022CH2 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	-2.37387 ± 0.10393	-0.12174	5.4
2008 43.0 to 2008 143.0	-2.51798 ± 0.11321	-0.26585	11.8
2008 60.0 to 2008 160.0	-2.40810 ± 0.12054	-0.15597	6.9
2008 77.0 to 2008 177.0	-2.45707 ± 0.12865	-0.20494	9.1
2008 94.0 to 2008 194.0	-2.47630 ± 0.13363	-0.22417	10.0
2008 113.0 to 2008 213.0	-2.46495 ± 0.12339	-0.21282	9.4
2008 135.0 to 2008 235.0	-2.80896 ± 0.10775	-0.55683	24.7
2008 157.0 to 2008 257.0	-2.85677 ± 0.09977	-0.60464	26.8
2008 179.0 to 2008 279.0	-2.79212 ± 0.08516	-0.53999	24.0
2008 201.0 to 2008 301.0	-2.76876 ± 0.08992	-0.51663	22.9
2008 223.0 to 2008 323.0	-2.09214 ± 0.12429	0.15999	-7.1
2008 245.0 to 2008 345.0	-2.09916 ± 0.28312	0.15297	-6.8
2008 267.0 to 2009 1.0	-2.26381 ± 0.18206	-0.01168	0.5
2008 289.0 to 2009 23.0	-1.91236 ± 0.29417	0.33977	-15.1
2008 311.0 to 2009 45.0	-1.89481 ± 0.28407	0.35732	-15.9
2008 333.0 to 2009 67.0	-2.21361 ± 0.19343	0.03852	-1.7
2008 355.0 to 2009 89.0	-2.11830 ± 0.22398	0.13383	-5.9
2009 6.0 to 2009 106.0	-2.02955 ± 0.13275	0.22258	-9.9
2009 30.0 to 2009 130.0	-2.23662 ± 0.13157	0.01551	-0.7
2009 54.0 to 2009 154.0	-2.12411 ± 0.13918	0.12802	-5.7
2009 78.0 to 2009 178.0	-2.08981 ± 0.13426	0.16232	-7.2
2009 104.0 to 2009 204.0	-2.42985 ± 0.08811	-0.17772	7.9
2009 128.0 to 2009 228.0	-2.25947 ± 0.16705	-0.00734	0.3
2009 152.0 to 2009 252.0	-2.75203 ± 0.11237	-0.49990	22.2
2009 176.0 to 2009 276.0	-2.70980 ± 0.09314	-0.45767	20.3
2009 200.0 to 2009 300.0	-2.50491 ± 0.08668	-0.25278	11.2
2009 224.0 to 2009 324.0	-2.25095 ± 0.12047	0.00118	-0.1
2009 248.0 to 2009 348.0	-2.20626 ± 0.16146	0.04587	-2.0
2009 285.0 to 2010 20.0	-2.35974 ± 0.13870	-0.10761	4.8
2009 319.0 to 2010 54.0	-2.44749 ± 0.08618	-0.19536	8.7
2009 353.0 to 2010 88.0	-2.67234 ± 0.07196	-0.42021	18.7
2010 22.0 to 2010 122.0	-2.51239 ± 0.06718	-0.26026	11.6
2010 56.0 to 2010 156.0	-2.17437 ± 0.09807	0.07776	-3.5
2010 90.0 to 2010 190.0	-2.09023 ± 0.15340	0.16190	-7.2
2010 137.0 to 2010 237.0	-1.96512 ± 0.18895	0.28701	-12.7
2010 171.0 to 2010 271.0	-2.18802 ± 0.11243	0.06411	-2.8
2010 205.0 to 2010 305.0	-2.43550 ± 0.10607	-0.18337	8.1
2010 239.0 to 2010 339.0	-1.90754 ± 0.25286	0.34459	-15.3
2010 273.0 to 2011 8.0	-2.23622 ± 0.23942	0.01591	-0.7
2010 307.0 to 2011 42.0	-2.23327 ± 0.25183	0.01886	-0.8
2010 341.0 to 2011 76.0	-2.25213 ± 0.22101	0.00000	-0.0
2011 10.0 to 2011 110.0	-2.03910 ± 0.21633	0.21303	-9.5
2011 44.0 to 2011 144.0	-2.11793 ± 0.18644	0.13420	-6.0

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	44.55 ± 0.12	58.3 ± 0.2	1.64	3.8
2008 43.0 to 2008 143.0	44.50 ± 0.11	58.4 ± 0.1	1.55	3.6
2008 60.0 to 2008 160.0	44.40 ± 0.11	58.5 ± 0.1	1.43	3.3
2008 77.0 to 2008 177.0	44.37 ± 0.10	58.4 ± 0.1	1.47	3.4
2008 94.0 to 2008 194.0	44.27 ± 0.09	58.5 ± 0.1	1.34	3.1
2008 113.0 to 2008 213.0	44.10 ± 0.08	58.6 ± 0.1	1.18	2.7
2008 135.0 to 2008 235.0	43.98 ± 0.07	58.5 ± 0.1	1.19	2.7
2008 157.0 to 2008 257.0	43.94 ± 0.06	58.5 ± 0.1	1.17	2.7
2008 179.0 to 2008 279.0	43.99 ± 0.06	58.6 ± 0.1	1.12	2.6
2008 201.0 to 2008 301.0	44.13 ± 0.07	58.6 ± 0.1	1.20	2.8
2008 223.0 to 2008 323.0	44.03 ± 0.11	58.7 ± 0.1	1.08	2.5
2008 245.0 to 2008 345.0	44.07 ± 0.27	58.7 ± 0.4	1.10	2.5
2008 267.0 to 2009 1.0	44.11 ± 0.22	58.8 ± 0.3	1.06	2.4
2008 289.0 to 2009 23.0	44.18 ± 0.38	58.8 ± 0.5	1.11	2.5
2008 311.0 to 2009 45.0	44.19 ± 0.37	58.8 ± 0.5	1.11	2.6
2008 333.0 to 2009 67.0	44.27 ± 0.25	58.5 ± 0.3	1.34	3.1
2008 355.0 to 2009 89.0	44.30 ± 0.29	58.3 ± 0.4	1.49	3.4
2009 6.0 to 2009 106.0	44.30 ± 0.15	58.3 ± 0.2	1.49	3.4
2009 30.0 to 2009 130.0	44.33 ± 0.14	58.6 ± 0.2	1.32	3.0
2009 54.0 to 2009 154.0	44.13 ± 0.15	59.1 ± 0.2	0.91	2.1
2009 78.0 to 2009 178.0	43.94 ± 0.12	59.6 ± 0.2	0.53	1.2
2009 104.0 to 2009 204.0	43.58 ± 0.08	60.2 ± 0.1	0.26	0.6
2009 128.0 to 2009 228.0	43.51 ± 0.11	60.6 ± 0.1	0.53	1.2
2009 152.0 to 2009 252.0	43.30 ± 0.07	60.3 ± 0.1	0.34	0.8
2009 176.0 to 2009 276.0	43.36 ± 0.07	60.1 ± 0.1	0.18	0.4
2009 200.0 to 2009 300.0	43.40 ± 0.07	60.0 ± 0.1	0.10	0.2
2009 224.0 to 2009 324.0	43.46 ± 0.12	59.9 ± 0.2	0.00	0.0
2009 248.0 to 2009 348.0	43.37 ± 0.20	60.0 ± 0.3	0.12	0.3
2009 285.0 to 2010 20.0	43.16 ± 0.20	60.1 ± 0.3	0.34	0.8
2009 319.0 to 2010 54.0	42.94 ± 0.12	59.8 ± 0.2	0.53	1.2
2009 353.0 to 2010 88.0	42.83 ± 0.09	59.5 ± 0.1	0.70	1.6
2010 22.0 to 2010 122.0	42.83 ± 0.09	59.5 ± 0.1	0.70	1.6
2010 56.0 to 2010 156.0	43.00 ± 0.12	59.6 ± 0.2	0.51	1.2
2010 90.0 to 2010 190.0	43.05 ± 0.16	59.6 ± 0.2	0.47	1.1
2010 137.0 to 2010 237.0	42.97 ± 0.15	59.8 ± 0.2	0.50	1.1
2010 171.0 to 2010 271.0	42.79 ± 0.07	59.7 ± 0.1	0.69	1.6
2010 205.0 to 2010 305.0	42.80 ± 0.08	59.8 ± 0.1	0.66	1.5
2010 239.0 to 2010 339.0	43.14 ± 0.26	59.8 ± 0.3	0.33	0.8
2010 273.0 to 2011 8.0	43.19 ± 0.31	59.8 ± 0.4	0.28	0.6
2010 307.0 to 2011 42.0	42.77 ± 0.33	60.0 ± 0.4	0.69	1.6
2010 341.0 to 2011 76.0	42.52 ± 0.31	60.0 ± 0.4	0.94	2.2
2011 10.0 to 2011 110.0	42.20 ± 0.27	59.9 ± 0.4	1.26	2.9
2011 44.0 to 2011 144.0	42.09 ± 0.23	59.8 ± 0.3	1.37	3.2

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	19.48 ± 0.27	10.1 ± 0.8	1.75	9.5
2008 43.0 to 2008 143.0	19.53 ± 0.25	10.5 ± 0.7	1.69	9.2
2008 60.0 to 2008 160.0	19.58 ± 0.25	10.9 ± 0.7	1.63	8.9
2008 77.0 to 2008 177.0	19.55 ± 0.24	11.3 ± 0.7	1.52	8.2
2008 94.0 to 2008 194.0	19.59 ± 0.22	11.1 ± 0.6	1.59	8.7
2008 113.0 to 2008 213.0	19.64 ± 0.19	11.2 ± 0.6	1.61	8.7
2008 135.0 to 2008 235.0	19.64 ± 0.17	10.7 ± 0.5	1.72	9.3
2008 157.0 to 2008 257.0	19.49 ± 0.14	10.2 ± 0.4	1.73	9.4
2008 179.0 to 2008 279.0	19.24 ± 0.13	10.7 ± 0.4	1.44	7.9
2008 201.0 to 2008 301.0	18.96 ± 0.15	11.5 ± 0.5	1.06	5.8
2008 223.0 to 2008 323.0	18.86 ± 0.25	13.9 ± 0.8	0.48	2.6
2008 245.0 to 2008 345.0	19.01 ± 0.62	15.6 ± 1.9	0.76	4.1
2008 267.0 to 2009 1.0	19.27 ± 0.50	15.3 ± 1.5	0.94	5.1
2008 289.0 to 2009 23.0	19.33 ± 0.87	14.4 ± 2.6	0.94	5.1
2008 311.0 to 2009 45.0	19.36 ± 0.84	12.8 ± 2.5	1.08	5.9
2008 333.0 to 2009 67.0	19.17 ± 0.57	10.5 ± 1.7	1.46	7.9
2008 355.0 to 2009 89.0	18.96 ± 0.67	10.4 ± 2.0	1.38	7.5
2009 6.0 to 2009 106.0	18.87 ± 0.33	11.3 ± 1.0	1.07	5.8
2009 30.0 to 2009 130.0	18.61 ± 0.34	11.7 ± 1.0	0.86	4.6
2009 54.0 to 2009 154.0	18.29 ± 0.34	13.1 ± 1.1	0.39	2.1
2009 78.0 to 2009 178.0	18.27 ± 0.29	13.8 ± 0.9	0.19	1.0
2009 104.0 to 2009 204.0	18.42 ± 0.17	14.6 ± 0.5	0.11	0.6
2009 128.0 to 2009 228.0	18.45 ± 0.26	15.3 ± 0.8	0.34	1.8
2009 152.0 to 2009 252.0	18.41 ± 0.16	14.4 ± 0.5	0.05	0.3
2009 176.0 to 2009 276.0	18.42 ± 0.16	14.5 ± 0.5	0.08	0.4
2009 200.0 to 2009 300.0	18.23 ± 0.17	15.2 ± 0.5	0.34	1.9
2009 224.0 to 2009 324.0	17.84 ± 0.29	14.6 ± 0.9	0.56	3.1
2009 248.0 to 2009 348.0	17.57 ± 0.47	15.1 ± 1.5	0.86	4.7
2009 285.0 to 2010 20.0	17.87 ± 0.48	15.4 ± 1.5	0.63	3.4
2009 319.0 to 2010 54.0	17.88 ± 0.28	16.0 ± 0.9	0.75	4.1
2009 353.0 to 2010 88.0	17.76 ± 0.22	15.0 ± 0.7	0.67	3.7
2010 22.0 to 2010 122.0	16.76 ± 0.21	16.4 ± 0.7	1.76	9.6
2010 56.0 to 2010 156.0	17.00 ± 0.27	16.4 ± 0.9	1.54	8.4
2010 90.0 to 2010 190.0	17.30 ± 0.36	16.6 ± 1.2	1.31	7.1
2010 137.0 to 2010 237.0	17.03 ± 0.34	16.4 ± 1.1	1.51	8.2
2010 171.0 to 2010 271.0	16.76 ± 0.16	16.6 ± 0.5	1.78	9.7
2010 205.0 to 2010 305.0	16.79 ± 0.19	16.8 ± 0.6	1.78	9.7
2010 239.0 to 2010 339.0	16.31 ± 0.62	20.1 ± 2.2	2.73	14.8
2010 273.0 to 2011 8.0	15.94 ± 0.71	18.4 ± 2.6	2.75	14.9
2010 307.0 to 2011 42.0	16.61 ± 0.78	17.3 ± 2.7	2.01	10.9
2010 341.0 to 2011 76.0	16.52 ± 0.73	14.8 ± 2.5	1.88	10.2
2011 10.0 to 2011 110.0	15.99 ± 0.62	16.0 ± 2.2	2.46	13.4
2011 44.0 to 2011 144.0	15.78 ± 0.53	16.3 ± 1.9	2.68	14.6

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	21.09 ± 1.06	176.2 ± 2.9	1.63	8.3
2008 43.0 to 2008 143.0	23.59 ± 1.00	-179.3 ± 2.4	4.67	23.7
2008 60.0 to 2008 160.0	20.00 ± 1.01	179.2 ± 2.9	1.84	9.4
2008 77.0 to 2008 177.0	21.08 ± 0.98	175.7 ± 2.7	1.54	7.8
2008 94.0 to 2008 194.0	21.83 ± 0.88	173.7 ± 2.3	2.16	11.0
2008 113.0 to 2008 213.0	19.60 ± 0.76	-179.1 ± 2.2	2.37	12.1
2008 135.0 to 2008 235.0	20.95 ± 0.68	175.3 ± 1.9	1.36	6.9
2008 157.0 to 2008 257.0	20.76 ± 0.59	173.4 ± 1.6	1.11	5.6
2008 179.0 to 2008 279.0	18.44 ± 0.54	175.2 ± 1.7	1.30	6.6
2008 201.0 to 2008 301.0	21.96 ± 0.62	174.6 ± 1.6	2.30	11.7
2008 223.0 to 2008 323.0	23.49 ± 1.02	177.0 ± 2.5	3.99	20.3
2008 245.0 to 2008 345.0	20.50 ± 2.53	169.7 ± 7.1	1.71	8.7
2008 267.0 to 2009 1.0	23.86 ± 2.06	165.1 ± 4.9	5.36	27.3
2008 289.0 to 2009 23.0	18.02 ± 3.54	-177.7 ± 11.3	3.19	16.2
2008 311.0 to 2009 45.0	21.00 ± 3.45	168.5 ± 9.4	2.35	12.0
2008 333.0 to 2009 67.0	26.44 ± 2.36	170.1 ± 5.1	6.94	35.3
2008 355.0 to 2009 89.0	17.15 ± 2.74	175.8 ± 9.2	2.59	13.2
2009 6.0 to 2009 106.0	18.45 ± 1.36	168.7 ± 4.2	2.13	10.9
2009 30.0 to 2009 130.0	22.66 ± 1.38	-179.7 ± 3.5	3.79	19.3
2009 54.0 to 2009 154.0	18.39 ± 1.39	174.7 ± 4.3	1.30	6.6
2009 78.0 to 2009 178.0	19.79 ± 1.14	176.1 ± 3.3	0.74	3.8
2009 104.0 to 2009 204.0	20.21 ± 0.74	177.9 ± 2.1	1.47	7.5
2009 128.0 to 2009 228.0	19.10 ± 1.10	172.1 ± 3.3	0.85	4.3
2009 152.0 to 2009 252.0	18.74 ± 0.65	174.9 ± 2.0	0.98	5.0
2009 176.0 to 2009 276.0	19.81 ± 0.62	175.1 ± 1.8	0.41	2.1
2009 200.0 to 2009 300.0	19.79 ± 0.71	169.9 ± 2.1	1.41	7.1
2009 224.0 to 2009 324.0	18.70 ± 1.17	166.8 ± 3.6	2.59	13.2
2009 248.0 to 2009 348.0	19.71 ± 1.85	174.7 ± 5.4	0.25	1.3
2009 285.0 to 2010 20.0	20.18 ± 2.15	167.8 ± 6.1	2.20	11.2
2009 319.0 to 2010 54.0	19.31 ± 1.64	173.9 ± 4.9	0.36	1.8
2009 353.0 to 2010 88.0	19.73 ± 0.94	172.5 ± 2.7	0.51	2.6
2010 22.0 to 2010 122.0	18.16 ± 0.91	172.9 ± 2.9	1.55	7.9
2010 56.0 to 2010 156.0	19.31 ± 1.13	-178.0 ± 3.4	2.75	14.0
2010 90.0 to 2010 190.0	18.19 ± 1.50	171.9 ± 4.7	1.63	8.3
2010 137.0 to 2010 237.0	16.05 ± 1.44	171.9 ± 5.1	3.68	18.7
2010 171.0 to 2010 271.0	16.84 ± 0.75	175.5 ± 2.6	2.87	14.6
2010 205.0 to 2010 305.0	21.23 ± 2.74	155.6 ± 7.4	6.71	34.1
2010 239.0 to 2010 339.0	18.30 ± 2.68	172.4 ± 8.4	1.47	7.4
2010 273.0 to 2011 8.0	19.12 ± 3.42	167.8 ± 10.2	2.16	11.0
2010 307.0 to 2011 42.0	18.50 ± 3.23	167.7 ± 10.0	2.39	12.2
2010 341.0 to 2011 76.0	21.45 ± 2.89	169.9 ± 7.7	2.30	11.7
2011 10.0 to 2011 110.0	18.25 ± 2.41	167.7 ± 7.6	2.51	12.8
2011 44.0 to 2011 144.0	18.85 ± 2.14	176.7 ± 6.5	1.23	6.3

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	14.07 ± 0.47	-96.3 ± 1.9	0.90	6.9
2008 43.0 to 2008 143.0	14.37 ± 0.42	-93.1 ± 1.7	1.30	9.9
2008 60.0 to 2008 160.0	13.14 ± 0.43	-95.1 ± 1.9	0.09	0.7
2008 77.0 to 2008 177.0	13.17 ± 0.41	-96.2 ± 1.8	0.18	1.4
2008 94.0 to 2008 194.0	14.17 ± 0.37	-95.3 ± 1.5	0.98	7.4
2008 113.0 to 2008 213.0	14.03 ± 0.32	-95.5 ± 1.3	0.84	6.4
2008 135.0 to 2008 235.0	13.67 ± 0.29	-96.7 ± 1.2	0.57	4.3
2008 157.0 to 2008 257.0	13.38 ± 0.25	-96.2 ± 1.1	0.26	2.0
2008 179.0 to 2008 279.0	13.49 ± 0.24	-96.5 ± 1.0	0.39	3.0
2008 201.0 to 2008 301.0	13.18 ± 0.26	-94.5 ± 1.1	0.21	1.6
2008 223.0 to 2008 323.0	13.15 ± 0.43	-96.1 ± 1.9	0.16	1.3
2008 245.0 to 2008 345.0	13.50 ± 1.06	-95.3 ± 4.5	0.31	2.4
2008 267.0 to 2009 1.0	13.83 ± 0.86	-96.4 ± 3.6	0.68	5.2
2008 289.0 to 2009 23.0	13.22 ± 1.47	-94.8 ± 6.4	0.14	1.1
2008 311.0 to 2009 45.0	13.52 ± 1.43	-92.5 ± 6.1	0.75	5.7
2008 333.0 to 2009 67.0	13.14 ± 0.98	-92.0 ± 4.3	0.78	5.9
2008 355.0 to 2009 89.0	13.36 ± 1.14	-94.9 ± 4.9	0.21	1.6
2009 6.0 to 2009 106.0	12.80 ± 0.57	-97.3 ± 2.6	0.58	4.4
2009 30.0 to 2009 130.0	13.51 ± 0.57	-94.1 ± 2.4	0.44	3.3
2009 54.0 to 2009 154.0	13.62 ± 0.57	-92.8 ± 2.4	0.75	5.7
2009 78.0 to 2009 178.0	13.23 ± 0.48	-94.7 ± 2.1	0.17	1.3
2009 104.0 to 2009 204.0	12.89 ± 0.30	-92.1 ± 1.3	0.81	6.1
2009 128.0 to 2009 228.0	13.38 ± 0.42	-95.8 ± 1.8	0.21	1.6
2009 152.0 to 2009 252.0	12.81 ± 0.28	-96.6 ± 1.3	0.47	3.5
2009 176.0 to 2009 276.0	13.03 ± 0.25	-92.7 ± 1.1	0.64	4.8
2009 200.0 to 2009 300.0	12.99 ± 0.32	-92.2 ± 1.4	0.76	5.8
2009 224.0 to 2009 324.0	12.98 ± 0.47	-95.8 ± 2.1	0.23	1.7
2009 248.0 to 2009 348.0	13.11 ± 0.76	-93.8 ± 3.3	0.38	2.9
2009 285.0 to 2010 20.0	13.45 ± 0.85	-95.3 ± 3.6	0.26	2.0
2009 319.0 to 2010 54.0	12.84 ± 0.62	-97.0 ± 2.8	0.50	3.8
2009 353.0 to 2010 88.0	12.56 ± 0.36	-97.6 ± 1.6	0.80	6.1
2010 22.0 to 2010 122.0	12.94 ± 0.32	-91.9 ± 1.4	0.84	6.3
2010 56.0 to 2010 156.0	13.06 ± 0.47	-93.4 ± 2.1	0.48	3.6
2010 90.0 to 2010 190.0	13.20 ± 0.62	-97.4 ± 2.7	0.46	3.5
2010 137.0 to 2010 237.0	12.92 ± 0.52	-93.8 ± 2.3	0.45	3.4
2010 171.0 to 2010 271.0	12.79 ± 0.28	-95.7 ± 1.3	0.41	3.1
2010 205.0 to 2010 305.0	13.71 ± 0.75	-92.3 ± 3.1	0.89	6.8
2010 239.0 to 2010 339.0	13.24 ± 1.00	-96.7 ± 4.3	0.30	2.3
2010 273.0 to 2011 8.0	12.78 ± 1.34	-90.8 ± 6.0	1.12	8.5
2010 307.0 to 2011 42.0	12.19 ± 1.29	-96.5 ± 6.1	1.03	7.8
2010 341.0 to 2011 76.0	13.58 ± 1.21	-101.1 ± 5.1	1.39	10.5
2011 10.0 to 2011 110.0	12.15 ± 1.01	-91.5 ± 4.8	1.35	10.2
2011 44.0 to 2011 144.0	12.73 ± 0.84	-93.3 ± 3.8	0.66	5.0