B022CH3 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	-2.80423 ± 0.06736	-0.15425	5.8
2008 43.0 to 2008 143.0	-2.93128 ± 0.07120	-0.28130	10.6
2008 60.0 to 2008 160.0	-2.97638 ± 0.07410	-0.32640	12.3
2008 77.0 to 2008 177.0	-2.96915 ± 0.08023	-0.31917	12.0
2008 94.0 to 2008 194.0	-2.94903 ± 0.08998	-0.29905	11.3
2008 113.0 to 2008 213.0	-2.96486 ± 0.08669	-0.31488	11.9
2008 135.0 to 2008 235.0	-3.11964 ± 0.08061	-0.46966	17.7
2008 157.0 to 2008 257.0	-2.84655 ± 0.09130	-0.19657	7.4
2008 179.0 to 2008 279.0	-2.88434 ± 0.09001	-0.23436	8.8
2008 201.0 to 2008 301.0	-2.79257 ± 0.09013	-0.14259	5.4
2008 223.0 to 2008 323.0	-2.61231 ± 0.08985	0.03767	-1.4
2008 245.0 to 2008 345.0	-2.56460 ± 0.14550	0.08538	-3.2
2008 267.0 to 2009 1.0	-2.70861 ± 0.11282	-0.05863	2.2
2008 289.0 to 2009 23.0	-2.59227 ± 0.15536	0.05771	-2.2
2008 311.0 to 2009 45.0	-2.54287 ± 0.13913	0.10711	-4.0
2008 333.0 to 2009 67.0	-2.63667 ± 0.12440	0.01331	-0.5
2008 355.0 to 2009 89.0	-2.52993 ± 0.20619	0.12005	-4.5
2009 6.0 to 2009 106.0	-2.49530 ± 0.20376	0.15468	-5.8
2009 30.0 to 2009 130.0	-2.72410 ± 0.16726	-0.07412	2.8
2009 54.0 to 2009 154.0	-2.74185 ± 0.20866	-0.09187	3.5
2009 78.0 to 2009 178.0	-2.82044 ± 0.10914	-0.17046	6.4
2009 104.0 to 2009 204.0	-2.90137 ± 0.12971	-0.25139	9.5
2009 128.0 to 2009 228.0	-2.51095 ± 1.34281	0.13903	-5.2
2009 152.0 to 2009 252.0	-2.97975 ± 0.27338	-0.32977	12.4
2009 176.0 to 2009 276.0	-2.71075 ± 0.17444	-0.06077	2.3
2009 200.0 to 2009 300.0	-2.76224 ± 0.15850	-0.11226	4.2
2009 224.0 to 2009 324.0	-2.47220 ± 0.11520	0.17778	-6.7
2009 248.0 to 2009 348.0	-2.76342 ± 0.15182	-0.11344	4.3
2009 285.0 to 2010 20.0	-2.88244 ± 0.18668	-0.23246	8.8
2009 319.0 to 2010 54.0	-2.53549 ± 0.20754	0.11449	-4.3
2009 353.0 to 2010 88.0	-2.41149 ± 0.19139	0.23849	-9.0
2010 22.0 to 2010 122.0	-2.29331 ± 0.14308	0.35667	-13.5
2010 56.0 to 2010 156.0	-2.32885 ± 0.13407	0.32113	-12.1
2010 90.0 to 2010 190.0	-2.38430 ± 0.14153	0.26568	-10.0
2010 137.0 to 2010 237.0	-2.07713 ± 0.18856	0.57285	-21.6
2010 171.0 to 2010 271.0	-2.19517 ± 0.21708	0.45481	-17.2
2010 205.0 to 2010 305.0	-2.97650 ± 0.12612	-0.32652	12.3
2010 239.0 to 2010 339.0	-2.60042 ± 0.11637	0.04956	-1.9
2010 273.0 to 2011 8.0	-2.64998 ± 0.10985	0.00000	-0.0
2010 307.0 to 2011 42.0	-2.53284 ± 0.13340	0.11714	-4.4
2010 341.0 to 2011 76.0	-2.59831 ± 0.12837	0.05167	-1.9
2011 10.0 to 2011 110.0	-2.59784 ± 0.16879	0.05214	-2.0
2011 44.0 to 2011 144.0	-2.63797 ± 0.36143	0.01201	-0.5

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	8.40 ± 0.08	142.9 ± 0.5	1.85	18.7
2008 43.0 to 2008 143.0	8.34 ± 0.06	143.2 ± 0.4	1.86	18.9
2008 60.0 to 2008 160.0	8.30 ± 0.07	143.7 ± 0.5	1.85	18.8
2008 77.0 to 2008 177.0	8.37 ± 0.07	143.9 ± 0.5	1.78	18.0
2008 94.0 to 2008 194.0	8.33 ± 0.07	144.1 ± 0.5	1.79	18.2
2008 113.0 to 2008 213.0	8.20 ± 0.06	144.6 ± 0.4	1.86	18.9
2008 135.0 to 2008 235.0	8.19 ± 0.05	144.7 ± 0.3	1.86	18.9
2008 157.0 to 2008 257.0	8.24 ± 0.06	143.8 ± 0.4	1.89	19.2
2008 179.0 to 2008 279.0	8.17 ± 0.08	143.4 ± 0.6	1.98	20.1
2008 201.0 to 2008 301.0	8.24 ± 0.08	142.9 ± 0.6	1.97	20.0
2008 223.0 to 2008 323.0	8.26 ± 0.09	142.8 ± 0.6	1.96	19.9
2008 245.0 to 2008 345.0	8.42 ± 0.14	143.0 ± 1.0	1.82	18.5
2008 267.0 to 2009 1.0	8.58 ± 0.14	142.7 ± 0.9	1.74	17.6
2008 289.0 to 2009 23.0	8.72 ± 0.20	142.0 ± 1.3	1.73	17.5
2008 311.0 to 2009 45.0	8.92 ± 0.18	142.4 ± 1.2	1.56	15.9
2008 333.0 to 2009 67.0	8.72 ± 0.16	145.3 ± 1.1	1.37	13.9
2008 355.0 to 2009 89.0	8.58 ± 0.28	148.5 ± 1.9	1.30	13.2
2009 6.0 to 2009 106.0	8.86 ± 0.24	148.1 ± 1.6	1.04	10.6
2009 30.0 to 2009 130.0	8.93 ± 0.21	148.7 ± 1.3	0.95	9.6
2009 54.0 to 2009 154.0	9.17 ± 0.24	150.6 ± 1.5	0.69	7.0
2009 78.0 to 2009 178.0	9.77 ± 0.11	147.5 ± 0.6	0.45	4.6
2009 104.0 to 2009 204.0	9.91 ± 0.12	149.5 ± 0.7	0.12	1.2
2009 128.0 to 2009 228.0	12.23 ± 1.03	143.5 ± 4.8	2.69	27.3
2009 152.0 to 2009 252.0	10.46 ± 0.22	149.3 ± 1.2	0.62	6.3
2009 176.0 to 2009 276.0	10.65 ± 0.20	149.7 ± 1.1	0.80	8.1
2009 200.0 to 2009 300.0	10.69 ± 0.20	149.9 ± 1.1	0.84	8.5
2009 224.0 to 2009 324.0	10.73 ± 0.17	150.2 ± 0.9	0.88	8.9
2009 248.0 to 2009 348.0	10.68 ± 0.27	151.0 ± 1.4	0.84	8.6
2009 285.0 to 2010 20.0	10.39 ± 0.35	147.8 ± 1.9	0.67	6.8
2009 319.0 to 2010 54.0	10.47 ± 0.42	151.2 ± 2.3	0.65	6.6
2009 353.0 to 2010 88.0	10.45 ± 0.38	153.5 ± 2.1	0.85	8.6
2010 22.0 to 2010 122.0	10.37 ± 0.27	153.0 ± 1.5	0.73	7.4
2010 56.0 to 2010 156.0	10.25 ± 0.24	150.8 ± 1.3	0.42	4.2
2010 90.0 to 2010 190.0	9.87 ± 0.21	150.3 ± 1.2	0.04	0.4
2010 137.0 to 2010 237.0	10.06 ± 0.18	152.9 ± 1.0	0.53	5.4
2010 171.0 to 2010 271.0	10.08 ± 0.15	154.3 ± 0.9	0.77	7.8
2010 205.0 to 2010 305.0	10.10 ± 0.09	153.8 ± 0.5	0.69	7.0
2010 239.0 to 2010 339.0	10.47 ± 0.12	153.7 ± 0.7	0.89	9.0
2010 273.0 to 2011 8.0	10.52 ± 0.14	154.1 ± 0.8	0.98	9.9
2010 307.0 to 2011 42.0	10.51 ± 0.17	154.5 ± 0.9	1.02	10.4
2010 341.0 to 2011 76.0	10.47 ± 0.17	157.3 ± 0.9	1.42	14.4
2011 10.0 to 2011 110.0	10.54 ± 0.21	158.0 ± 1.1	1.57	15.9
2011 44.0 to 2011 144.0	10.79 ± 0.52	159.9 ± 2.8	2.00	20.3

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	5.87 ± 0.17	-65.8 ± 1.7	0.28	4.9
2008 43.0 to 2008 143.0	5.93 ± 0.15	-66.3 ± 1.4	0.30	5.2
2008 60.0 to 2008 160.0	5.95 ± 0.15	-67.8 ± 1.4	0.28	5.0
2008 77.0 to 2008 177.0	5.96 ± 0.15	-68.0 ± 1.4	0.30	5.2
2008 94.0 to 2008 194.0	6.17 ± 0.14	-67.9 ± 1.3	0.50	8.9
2008 113.0 to 2008 213.0	6.35 ± 0.13	-69.0 ± 1.2	0.70	12.3
2008 135.0 to 2008 235.0	6.32 ± 0.12	-69.2 ± 1.1	0.67	11.9
2008 157.0 to 2008 257.0	6.35 ± 0.13	-68.6 ± 1.2	0.69	12.2
2008 179.0 to 2008 279.0	6.18 ± 0.14	-68.7 ± 1.3	0.53	9.3
2008 201.0 to 2008 301.0	5.97 ± 0.16	-69.9 ± 1.5	0.38	6.7
2008 223.0 to 2008 323.0	5.62 ± 0.18	-68.8 ± 1.8	0.12	2.2
2008 245.0 to 2008 345.0	5.16 ± 0.31	-68.6 ± 3.4	0.51	9.1
2008 267.0 to 2009 1.0	5.41 ± 0.31	-65.0 ± 3.3	0.36	6.4
2008 289.0 to 2009 23.0	5.64 ± 0.45	-65.7 ± 4.6	0.19	3.4
2008 311.0 to 2009 45.0	5.81 ± 0.41	-66.1 ± 4.0	0.21	3.7
2008 333.0 to 2009 67.0	6.29 ± 0.36	-67.8 ± 3.3	0.62	11.0
2008 355.0 to 2009 89.0	6.14 ± 0.61	-70.6 ± 5.7	0.56	10.0
2009 6.0 to 2009 106.0	5.85 ± 0.51	-68.8 ± 5.0	0.22	3.9
2009 30.0 to 2009 130.0	5.95 ± 0.43	-69.0 ± 4.1	0.32	5.6
2009 54.0 to 2009 154.0	6.02 ± 0.51	-72.3 ± 4.9	0.59	10.5
2009 78.0 to 2009 178.0	5.98 ± 0.23	-67.5 ± 2.2	0.31	5.6
2009 104.0 to 2009 204.0	5.49 ± 0.24	-69.4 ± 2.5	0.25	4.3
2009 128.0 to 2009 228.0	4.52 ± 2.01	-45.1 ± 25.5	2.29	40.3
2009 152.0 to 2009 252.0	5.33 ± 0.39	-63.2 ± 4.2	0.54	9.6
2009 176.0 to 2009 276.0	5.14 ± 0.34	-61.8 ± 3.8	0.76	13.4
2009 200.0 to 2009 300.0	5.50 ± 0.35	-65.5 ± 3.6	0.27	4.7
2009 224.0 to 2009 324.0	5.90 ± 0.29	-69.5 ± 2.8	0.30	5.3
2009 248.0 to 2009 348.0	5.76 ± 0.48	-72.0 ± 4.8	0.45	7.9
2009 285.0 to 2010 20.0	4.73 ± 0.65	-73.5 ± 7.9	1.08	19.0
2009 319.0 to 2010 54.0	3.05 ± 0.72	-56.1 ± 13.5	2.75	48.5
2009 353.0 to 2010 88.0	2.22 ± 0.67	-71.3 ± 17.3	3.45	60.9
2010 22.0 to 2010 122.0	4.35 ± 0.49	-61.5 ± 6.5	1.42	25.0
2010 56.0 to 2010 156.0	5.61 ± 0.43	-65.7 ± 4.4	0.20	3.5
2010 90.0 to 2010 190.0	6.90 ± 0.39	-63.5 ± 3.2	1.31	23.2
2010 137.0 to 2010 237.0	5.73 ± 0.36	-70.3 ± 3.6	0.27	4.8
2010 171.0 to 2010 271.0	5.07 ± 0.31	-65.2 ± 3.5	0.64	11.3
2010 205.0 to 2010 305.0	4.73 ± 0.19	-63.6 ± 2.3	1.00	17.7
2010 239.0 to 2010 339.0	4.55 ± 0.28	-65.1 ± 3.5	1.14	20.1
2010 273.0 to 2011 8.0	5.05 ± 0.32	-66.6 ± 3.6	0.62	11.0
2010 307.0 to 2011 42.0	5.10 ± 0.40	-62.8 ± 4.5	0.73	12.8
2010 341.0 to 2011 76.0	4.90 ± 0.39	-63.9 ± 4.6	0.84	14.8
2011 10.0 to 2011 110.0	4.31 ± 0.46	-65.1 ± 6.1	1.37	24.2
2011 44.0 to 2011 144.0	4.36 ± 1.06	-71.0 ± 13.9	1.34	23.6

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	5.63 ± 0.67	75.6 ± 6.8	1.19	21.8
2008 43.0 to 2008 143.0	4.16 ± 0.61	75.3 ± 8.4	1.62	29.8
2008 60.0 to 2008 160.0	4.87 ± 0.61	50.5 ± 7.2	1.30	23.8
2008 77.0 to 2008 177.0	5.97 ± 0.60	69.1 ± 5.8	0.77	14.0
2008 94.0 to 2008 194.0	6.14 ± 0.59	71.5 ± 5.5	1.07	19.5
2008 113.0 to 2008 213.0	5.31 ± 0.54	50.7 ± 5.8	1.20	22.1
2008 135.0 to 2008 235.0	5.15 ± 0.48	61.1 ± 5.3	0.37	6.8
2008 157.0 to 2008 257.0	7.49 ± 0.52	70.1 ± 4.0	2.17	39.8
2008 179.0 to 2008 279.0	7.04 ± 0.60	57.5 ± 4.9	1.71	31.4
2008 201.0 to 2008 301.0	5.06 ± 0.65	61.2 ± 7.4	0.44	8.1
2008 223.0 to 2008 323.0	5.23 ± 0.76	75.2 ± 8.3	1.12	20.5
2008 245.0 to 2008 345.0	6.78 ± 1.29	74.3 ± 10.9	1.76	32.2
2008 267.0 to 2009 1.0	7.23 ± 1.27	94.1 ± 10.1	3.77	69.1
2008 289.0 to 2009 23.0	6.58 ± 1.85	52.0 ± 16.1	1.64	30.1
2008 311.0 to 2009 45.0	6.81 ± 1.68	70.2 ± 14.1	1.54	28.2
2008 333.0 to 2009 67.0	11.76 ± 1.48	110.6 ± 7.2	8.99	164.9
2008 355.0 to 2009 89.0	9.79 ± 2.50	31.5 ± 14.6	5.91	108.5
2009 6.0 to 2009 106.0	7.03 ± 2.09	30.9 ± 17.0	3.81	69.9
2009 30.0 to 2009 130.0	4.09 ± 1.79	147.0 ± 25.1	6.44	118.1
2009 54.0 to 2009 154.0	9.14 ± 2.09	43.7 ± 13.1	4.41	80.9
2009 78.0 to 2009 178.0	4.15 ± 0.92	72.5 ± 12.7	1.50	27.6
2009 104.0 to 2009 204.0	5.41 ± 1.04	74.6 ± 11.0	1.06	19.4
2009 128.0 to 2009 228.0	9.02 ± 8.73	36.2 ± 55.5	4.86	89.2
2009 152.0 to 2009 252.0	4.11 ± 1.59	87.9 ± 22.2	2.41	44.3
2009 176.0 to 2009 276.0	5.61 ± 1.40	85.9 ± 14.3	2.16	39.6
2009 200.0 to 2009 300.0	4.67 ± 1.49	19.5 ± 18.3	3.86	70.7
2009 224.0 to 2009 324.0	7.69 ± 1.22	119.7 ± 9.1	6.50	119.3
2009 248.0 to 2009 348.0	5.81 ± 1.92	73.7 ± 18.9	1.07	19.6
2009 285.0 to 2010 20.0	5.18 ± 3.02	60.1 ± 33.4	0.41	7.6
2009 319.0 to 2010 54.0	4.30 ± 3.92	15.7 ± 52.2	4.08	74.9
2009 353.0 to 2010 88.0	4.85 ± 2.94	-123.6 ± 34.7	10.28	188.6
2010 22.0 to 2010 122.0	11.11 ± 2.15	-18.4 ± 11.1	11.66	213.9
2010 56.0 to 2010 156.0	12.71 ± 1.87	-106.9 ± 8.4	18.11	332.1
2010 90.0 to 2010 190.0	18.48 ± 1.65	15.3 ± 5.1	15.39	282.2
2010 137.0 to 2010 237.0	10.08 ± 1.52	13.2 ± 8.6	7.81	143.3
2010 171.0 to 2010 271.0	12.67 ± 1.45	1.3 ± 6.6	11.21	205.6
2010 205.0 to 2010 305.0	14.80 ± 2.72	103.5 ± 10.5	11.19	205.3
2010 239.0 to 2010 339.0	5.01 ± 1.20	58.6 ± 13.7	0.62	11.5
2010 273.0 to 2011 8.0	5.19 ± 1.54	53.1 ± 17.0	0.99	18.2
2010 307.0 to 2011 42.0	7.73 ± 1.65	50.4 ± 12.2	2.71	49.8
2010 341.0 to 2011 76.0	2.94 ± 1.56	52.9 ± 30.4	2.62	48.0
2011 10.0 to 2011 110.0	6.18 ± 1.78	67.1 ± 16.5	0.82	15.0
2011 44.0 to 2011 144.0	4.85 ± 4.27	24.9 ± 50.4	3.45	63.2

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	4.31 ± 0.30	-38.5 ± 4.0	0.03	0.7
2008 43.0 to 2008 143.0	4.63 ± 0.25	-33.4 ± 3.1	0.48	11.1
2008 60.0 to 2008 160.0	4.18 ± 0.26	-36.9 ± 3.6	0.17	4.0
2008 77.0 to 2008 177.0	4.50 ± 0.26	-36.5 ± 3.3	0.22	5.0
2008 94.0 to 2008 194.0	4.22 ± 0.26	-40.2 ± 3.5	0.18	4.3
2008 113.0 to 2008 213.0	4.58 ± 0.25	-46.1 ± 3.1	0.66	15.4
2008 135.0 to 2008 235.0	4.53 ± 0.22	-31.7 ± 2.8	0.54	12.5
2008 157.0 to 2008 257.0	4.31 ± 0.26	-37.9 ± 3.5	0.03	0.6
2008 179.0 to 2008 279.0	4.43 ± 0.30	-45.6 ± 3.9	0.58	13.3
2008 201.0 to 2008 301.0	4.10 ± 0.31	-27.9 ± 4.3	0.79	18.2
2008 223.0 to 2008 323.0	4.43 ± 0.36	-27.7 ± 4.7	0.81	18.6
2008 245.0 to 2008 345.0	4.21 ± 0.55	-45.2 ± 7.5	0.54	12.4
2008 267.0 to 2009 1.0	4.70 ± 0.54	-45.1 ± 6.6	0.66	15.3
2008 289.0 to 2009 23.0	4.38 ± 0.78	-26.4 ± 10.2	0.90	20.7
2008 311.0 to 2009 45.0	4.12 ± 0.70	-29.6 ± 9.7	0.66	15.4
2008 333.0 to 2009 67.0	9.25 ± 0.63	-34.3 ± 3.9	4.94	114.2
2008 355.0 to 2009 89.0	6.37 ± 1.08	-37.9 ± 9.7	2.04	47.2
2009 6.0 to 2009 106.0	2.18 ± 0.93	-38.5 ± 24.4	2.15	49.6
2009 30.0 to 2009 130.0	1.78 ± 0.82	2.9 ± 26.4	3.21	74.1
2009 54.0 to 2009 154.0	8.18 ± 0.92	-49.9 ± 6.4	4.04	93.4
2009 78.0 to 2009 178.0	4.64 ± 0.43	-35.2 ± 5.3	0.39	9.0
2009 104.0 to 2009 204.0	7.09 ± 0.49	-29.8 ± 4.0	2.88	66.6
2009 128.0 to 2009 228.0	3.68 ± 3.97	-71.1 ± 61.8	2.35	54.4
2009 152.0 to 2009 252.0	4.32 ± 0.89	-16.1 ± 11.8	1.66	38.3
2009 176.0 to 2009 276.0	5.09 ± 0.77	-48.3 ± 8.7	1.13	26.0
2009 200.0 to 2009 300.0	3.51 ± 0.88	-33.5 ± 14.4	0.88	20.3
2009 224.0 to 2009 324.0	7.06 ± 0.66	-33.4 ± 5.4	2.77	64.1
2009 248.0 to 2009 348.0	4.79 ± 1.04	-48.7 ± 12.4	0.95	22.1
2009 285.0 to 2010 20.0	5.58 ± 1.51	-29.2 ± 15.5	1.47	34.0
2009 319.0 to 2010 54.0	5.02 ± 2.03	-76.6 ± 23.2	3.14	72.7
2009 353.0 to 2010 88.0	4.33 ± 1.54	130.1 ± 20.4	8.61	199.0
2010 22.0 to 2010 122.0	5.27 ± 1.00	-62.3 ± 10.9	2.21	51.0
2010 56.0 to 2010 156.0	2.09 ± 0.96	55.0 ± 26.3	4.91	113.4
2010 90.0 to 2010 190.0	0.73 ± 0.84	-22.7 ± 65.9	3.63	83.9
2010 137.0 to 2010 237.0	5.53 ± 0.63	-6.6 ± 6.5	2.92	67.5
2010 171.0 to 2010 271.0	0.71 ± 0.57	51.8 ± 46.0	4.38	101.3
2010 205.0 to 2010 305.0	6.98 ± 0.83	-94.8 ± 6.8	5.85	135.2
2010 239.0 to 2010 339.0	4.79 ± 0.45	-36.8 ± 5.4	0.48	11.0
2010 273.0 to 2011 8.0	4.99 ± 0.61	-30.5 ± 7.0	0.91	21.0
2010 307.0 to 2011 42.0	4.92 ± 0.67	-26.1 ± 7.8	1.14	26.3
2010 341.0 to 2011 76.0	5.13 ± 0.69	-85.5 ± 7.7	3.87	89.3
2011 10.0 to 2011 110.0	4.89 ± 0.81	-8.9 ± 9.5	2.39	55.3
2011 44.0 to 2011 144.0	4.04 ± 1.94	-31.4 ± 27.5	0.57	13.2