B201CH2 Comparison between current analysis and prior analysis

Pressure comparison			
time interval	Pressure Coef. counts/counts	Difference counts/counts	Percent change
2008 211.0 to 2008 311.0	-4.96369 ± 0.05881	0.12100	-2.4
2008 233.0 to 2008 333.0	-4.81127 ± 0.07983	0.27342	-5.4
2008 255.0 to 2008 355.0	-4.85153 ± 0.07451	0.23316	-4.6
2008 277.0 to 2009 11.0	-4.84085 ± 0.06166	0.24384	-4.8
2008 299.0 to 2009 33.0	-4.77171 ± 0.08067	0.31298	-6.2
2008 321.0 to 2009 55.0	-4.71426 ± 0.06972	0.37043	-7.3
2008 343.0 to 2009 77.0	-4.75181 ± 0.06681	0.33288	-6.5
2008 365.0 to 2009 99.0	-4.75162 ± 0.07006	0.33307	-6.6
2009 19.0 to 2009 119.0	-4.76338 ± 0.08112	0.32131	-6.3
2009 43.0 to 2009 143.0	-4.88121 ± 0.07935	0.20348	-4.0
2009 67.0 to 2009 167.0	-4.83689 ± 0.09036	0.24780	-4.9
2009 91.0 to 2009 191.0	-4.92414 ± 0.09210	0.16055	-3.2
2009 115.0 to 2009 215.0	-5.02912 ± 0.07077	0.05557	-1.1
2009 139.0 to 2009 239.0	-4.99961 ± 0.06587	0.08508	-1.7
2009 167.0 to 2009 267.0	-5.08469 ± 0.06235	0.00000	-0.0
2009 191.0 to 2009 291.0	-5.21757 ± 0.04702	-0.13288	2.6
2009 216.0 to 2009 316.0	-5.20960 ± 0.05112	-0.12491	2.5
2009 240.0 to 2009 340.0	-5.20496 ± 0.06667	-0.12027	2.4
2009 264.0 to 2009 364.0	-5.19336 ± 0.06782	-0.10867	2.1
2009 298.0 to 2010 33.0	-5.21279 ± 0.06913	-0.12810	2.5
2009 332.0 to 2010 67.0	-5.25405 ± 0.05825	-0.16936	3.3
2010 1.0 to 2010 101.0	-5.26227 ± 0.04988	-0.17758	3.5
2010 35.0 to 2010 135.0	-5.23576 ± 0.05599	-0.15107	3.0
2010 69.0 to 2010 169.0	-5.19590 ± 0.05868	-0.11121	2.2
2010 103.0 to 2010 203.0	-5.15824 ± 0.07158	-0.07355	1.4
2010 137.0 to 2010 237.0	-5.08803 ± 0.07545	-0.00334	0.1
2010 171.0 to 2010 271.0	-4.98950 ± 0.07374	0.09519	-1.9
2010 205.0 to 2010 305.0	-5.18766 ± 0.06352	-0.10297	2.0
2010 239.0 to 2010 339.0	-5.12324 ± 0.06693	-0.03855	0.8
2010 273.0 to 2011 8.0	-5.15099 ± 0.06834	-0.06630	1.3
2010 307.0 to 2011 42.0	-5.11419 ± 0.07403	-0.02950	0.6
2010 341.0 to 2011 76.0	-5.23300 ± 0.06696	-0.14831	2.9
2011 10.0 to 2011 110.0	-5.26707 ± 0.06994	-0.18238	3.6
2011 44.0 to 2011 144.0	-5.29221 ± 0.06135	-0.20752	4.1
2011 78.0 to 2011 178.0	-5.19247 ± 0.06961	-0.10778	2.1
2011 112.0 to 2011 212.0	-5.07723 ± 0.06759	0.00746	-0.1
2011 146.0 to 2011 246.0	-4.96836 ± 0.06007	0.11633	-2.3
2011 180.0 to 2011 280.0	-5.01868 ± 0.05366	0.06601	-1.3
2011 216.0 to 2011 316.0	-5.10821 ± 0.04954	-0.02352	0.5
2011 250.0 to 2011 350.0	-5.07124 ± 0.05991	0.01345	-0.3
2011 284.0 to 2012 19.0	-5.00681 ± 0.07014	0.07788	-1.5

Tidal comparson **M2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2008 211.0 to 2008 311.0	11.70 ± 0.04	80.4 ± 0.2	1.13	9.6
2008 233.0 to 2008 333.0	11.64 ± 0.06	80.5 ± 0.3	1.11	9.4
2008 255.0 to 2008 355.0	11.64 ± 0.07	80.7 ± 0.3	1.06	9.1
2008 277.0 to 2009 11.0	11.58 ± 0.07	80.8 ± 0.3	1.05	8.9
2008 299.0 to 2009 33.0	11.50 ± 0.09	80.6 ± 0.4	1.09	9.4
2008 321.0 to 2009 55.0	11.54 ± 0.08	79.6 ± 0.4	1.29	11.0
2008 343.0 to 2009 77.0	11.57 ± 0.08	78.3 ± 0.4	1.55	13.3
2008 365.0 to 2009 99.0	11.62 ± 0.08	77.8 ± 0.4	1.65	14.1
2009 19.0 to 2009 119.0	11.68 ± 0.08	77.7 ± 0.4	1.68	14.3
2009 43.0 to 2009 143.0	11.66 ± 0.08	78.7 ± 0.4	1.47	12.6
2009 67.0 to 2009 167.0	11.62 ± 0.07	81.1 ± 0.3	0.98	8.4
2009 91.0 to 2009 191.0	11.55 ± 0.06	83.0 ± 0.3	0.61	5.2
2009 115.0 to 2009 215.0	11.53 ± 0.05	84.9 ± 0.2	0.27	2.3
2009 139.0 to 2009 239.0	11.58 ± 0.03	86.5 ± 0.1	0.17	1.4
2009 167.0 to 2009 267.0	11.63 ± 0.03	86.6 ± 0.1	0.15	1.3
2009 191.0 to 2009 291.0	11.69 ± 0.03	86.6 ± 0.1	0.14	1.2
2009 216.0 to 2009 316.0	11.73 ± 0.04	86.5 ± 0.2	0.12	1.0
2009 240.0 to 2009 340.0	11.74 ± 0.06	86.4 ± 0.3	0.11	0.9
2009 264.0 to 2009 364.0	11.75 ± 0.06	86.4 ± 0.3	0.11	0.9
2009 298.0 to 2010 33.0	11.75 ± 0.07	86.4 ± 0.3	0.11	0.9
2009 332.0 to 2010 67.0	11.74 ± 0.05	86.4 ± 0.2	0.11	0.9
2010 1.0 to 2010 101.0	11.67 ± 0.05	86.2 ± 0.2	0.06	0.5
2010 35.0 to 2010 135.0	11.75 ± 0.05	85.8 ± 0.2	0.06	0.5
2010 69.0 to 2010 169.0	11.71 ± 0.05	85.6 ± 0.2	0.07	0.6
2010 103.0 to 2010 203.0	11.73 ± 0.05	85.5 ± 0.2	0.09	0.8
2010 137.0 to 2010 237.0	11.64 ± 0.04	85.9 ± 0.2	0.06	0.5
2010 171.0 to 2010 271.0	11.64 ± 0.03	85.9 ± 0.1	0.06	0.5
2010 205.0 to 2010 305.0	11.73 ± 0.04	86.1 ± 0.2	0.05	0.4
2010 239.0 to 2010 339.0	11.77 ± 0.05	86.0 ± 0.2	0.07	0.6
2010 273.0 to 2011 8.0	11.80 ± 0.07	86.0 ± 0.3	0.10	0.9
2010 307.0 to 2011 42.0	11.69 ± 0.08	85.9 ± 0.4	0.01	0.1
2010 341.0 to 2011 76.0	11.69 ± 0.07	86.1 ± 0.3	0.04	0.3
2011 10.0 to 2011 110.0	11.74 ± 0.07	86.3 ± 0.3	0.09	0.7
2011 44.0 to 2011 144.0	11.83 ± 0.06	86.2 ± 0.3	0.14	1.2
2011 78.0 to 2011 178.0	11.97 ± 0.05	85.7 ± 0.2	0.27	2.3
2011 112.0 to 2011 212.0	11.98 ± 0.04	85.6 ± 0.2	0.29	2.5
2011 146.0 to 2011 246.0	12.01 ± 0.02	86.1 ± 0.1	0.31	2.7
2011 180.0 to 2011 280.0	11.99 ± 0.02	86.5 ± 0.1	0.31	2.7
2011 216.0 to 2011 316.0	12.01 ± 0.03	86.5 ± 0.1	0.33	2.8
2011 250.0 to 2011 350.0	12.05 ± 0.05	86.4 ± 0.2	0.36	3.1
2011 284.0 to 2012 19.0	12.02 ± 0.07	86.1 ± 0.3	0.32	2.8

Tidal comparson **O1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2008 211.0 to 2008 311.0	8.64 ± 0.09	-44.8 ± 0.6	0.63	7.6
2008 233.0 to 2008 333.0	8.59 ± 0.14	-44.2 ± 0.9	0.53	6.4
2008 255.0 to 2008 355.0	8.45 ± 0.15	-44.4 ± 1.0	0.47	5.7
2008 277.0 to 2009 11.0	8.77 ± 0.16	-45.1 ± 1.0	0.75	9.1
2008 299.0 to 2009 33.0	8.82 ± 0.21	-46.3 ± 1.4	0.92	11.1
2008 321.0 to 2009 55.0	8.80 ± 0.18	-47.0 ± 1.2	0.99	12.0
2008 343.0 to 2009 77.0	8.94 ± 0.17	-46.6 ± 1.1	1.03	12.5
2008 365.0 to 2009 99.0	8.87 ± 0.17	-46.9 ± 1.1	1.02	12.4
2009 19.0 to 2009 119.0	8.99 ± 0.17	-46.1 ± 1.1	1.02	12.3
2009 43.0 to 2009 143.0	8.90 ± 0.17	-46.0 ± 1.1	0.94	11.4
2009 67.0 to 2009 167.0	8.78 ± 0.17	-44.3 ± 1.1	0.68	8.2
2009 91.0 to 2009 191.0	8.79 ± 0.14	-42.8 ± 0.9	0.58	7.1
2009 115.0 to 2009 215.0	8.62 ± 0.10	-41.7 ± 0.7	0.38	4.7
2009 139.0 to 2009 239.0	8.66 ± 0.06	-41.6 ± 0.4	0.42	5.1
2009 167.0 to 2009 267.0	8.70 ± 0.07	-41.5 ± 0.5	0.46	5.6
2009 191.0 to 2009 291.0	8.70 ± 0.06	-41.3 ± 0.4	0.47	5.7
2009 216.0 to 2009 316.0	8.65 ± 0.08	-40.5 ± 0.5	0.44	5.4
2009 240.0 to 2009 340.0	8.62 ± 0.14	-39.9 ± 0.9	0.45	5.5
2009 264.0 to 2009 364.0	8.43 ± 0.15	-40.4 ± 1.0	0.26	3.1
2009 298.0 to 2010 33.0	8.31 ± 0.17	-41.3 ± 1.2	0.08	1.0
2009 332.0 to 2010 67.0	8.08 ± 0.12	-41.7 ± 0.9	0.16	1.9
2010 1.0 to 2010 101.0	8.08 ± 0.12	-42.8 ± 0.9	0.24	2.9
2010 35.0 to 2010 135.0	8.02 ± 0.12	-42.5 ± 0.9	0.25	3.1
2010 69.0 to 2010 169.0	8.26 ± 0.12	-41.0 ± 0.8	0.08	1.0
2010 103.0 to 2010 203.0	8.36 ± 0.11	-40.2 ± 0.8	0.23	2.8
2010 137.0 to 2010 237.0	8.26 ± 0.10	-40.0 ± 0.7	0.23	2.7
2010 171.0 to 2010 271.0	8.05 ± 0.07	-39.0 ± 0.5	0.41	5.0
2010 205.0 to 2010 305.0	7.93 ± 0.08	-39.0 ± 0.6	0.47	5.7
2010 239.0 to 2010 339.0	7.86 ± 0.12	-39.0 ± 0.9	0.52	6.3
2010 273.0 to 2011 8.0	7.95 ± 0.16	-38.7 ± 1.2	0.49	6.0
2010 307.0 to 2011 42.0	7.95 ± 0.17	-38.0 ± 1.2	0.58	7.0
2010 341.0 to 2011 76.0	7.93 ± 0.16	-39.6 ± 1.2	0.41	5.0
2011 10.0 to 2011 110.0	7.75 ± 0.16	-40.3 ± 1.2	0.52	6.3
2011 44.0 to 2011 144.0	7.62 ± 0.13	-40.3 ± 1.0	0.64	7.8
2011 78.0 to 2011 178.0	7.67 ± 0.12	-38.7 ± 0.9	0.69	8.4
2011 112.0 to 2011 212.0	7.76 ± 0.09	-38.8 ± 0.7	0.61	7.4
2011 146.0 to 2011 246.0	7.71 ± 0.06	-38.1 ± 0.4	0.71	8.7
2011 180.0 to 2011 280.0	7.60 ± 0.06	-37.9 ± 0.5	0.81	9.9
2011 216.0 to 2011 316.0	7.58 ± 0.07	-37.2 ± 0.5	0.89	10.8
2011 250.0 to 2011 350.0	7.40 ± 0.11	-35.5 ± 0.9	1.17	14.3
2011 284.0 to 2012 19.0	7.52 ± 0.16	-34.9 ± 1.2	1.16	14.1

Tidal comparson **K1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2008 211.0 to 2008 311.0	10.54 ± 0.38	91.2 ± 2.1	2.03	23.1
2008 233.0 to 2008 333.0	9.47 ± 0.59	97.8 ± 3.6	0.69	7.9
2008 255.0 to 2008 355.0	10.54 ± 0.61	91.8 ± 3.3	1.98	22.5
2008 277.0 to 2009 11.0	10.67 ± 0.65	101.0 ± 3.5	1.99	22.7
2008 299.0 to 2009 33.0	8.04 ± 0.86	93.0 ± 6.1	0.97	11.0
2008 321.0 to 2009 55.0	9.73 ± 0.72	102.8 ± 4.2	1.31	14.9
2008 343.0 to 2009 77.0	9.22 ± 0.71	107.0 ± 4.4	1.60	18.2
2008 365.0 to 2009 99.0	8.21 ± 0.69	91.6 ± 4.8	1.01	11.5
2009 19.0 to 2009 119.0	6.05 ± 0.69	90.7 ± 6.5	2.85	32.5
2009 43.0 to 2009 143.0	9.05 ± 0.71	105.7 ± 4.5	1.35	15.3
2009 67.0 to 2009 167.0	7.07 ± 0.69	109.1 ± 5.6	2.36	26.9
2009 91.0 to 2009 191.0	9.16 ± 0.58	84.7 ± 3.6	1.99	22.7
2009 115.0 to 2009 215.0	8.07 ± 0.41	103.1 ± 2.9	1.12	12.7
2009 139.0 to 2009 239.0	8.63 ± 0.25	89.9 ± 1.7	1.12	12.8
2009 167.0 to 2009 267.0	9.97 ± 0.27	98.1 ± 1.6	1.20	13.6
2009 191.0 to 2009 291.0	9.29 ± 0.26	93.8 ± 1.6	0.74	8.4
2009 216.0 to 2009 316.0	9.60 ± 0.34	96.6 ± 2.0	0.82	9.4
2009 240.0 to 2009 340.0	9.40 ± 0.58	105.1 ± 3.5	1.39	15.9
2009 264.0 to 2009 364.0	9.61 ± 0.61	100.7 ± 3.6	1.00	11.4
2009 298.0 to 2010 33.0	9.52 ± 0.67	101.4 ± 4.0	0.99	11.3
2009 332.0 to 2010 67.0	8.76 ± 0.49	100.2 ± 3.2	0.46	5.2
2010 1.0 to 2010 101.0	8.09 ± 0.48	107.5 ± 3.4	1.66	18.9
2010 35.0 to 2010 135.0	8.44 ± 0.50	93.9 ± 3.4	0.60	6.9
2010 69.0 to 2010 169.0	7.90 ± 0.51	99.4 ± 3.7	0.94	10.7
2010 103.0 to 2010 203.0	8.58 ± 0.45	94.8 ± 3.0	0.42	4.8
2010 137.0 to 2010 237.0	8.51 ± 0.39	90.6 ± 2.6	1.03	11.8
2010 171.0 to 2010 271.0	8.69 ± 0.30	93.8 ± 2.0	0.53	6.0
2010 205.0 to 2010 305.0	9.68 ± 0.33	91.1 ± 2.0	1.33	15.2
2010 239.0 to 2010 339.0	9.03 ± 0.49	98.6 ± 3.1	0.33	3.7
2010 273.0 to 2011 8.0	8.89 ± 0.64	98.4 ± 4.1	0.21	2.4
2010 307.0 to 2011 42.0	8.70 ± 0.71	96.9 ± 4.7	0.10	1.1
2010 341.0 to 2011 76.0	8.10 ± 0.66	101.3 ± 4.7	0.91	10.3
2011 10.0 to 2011 110.0	8.35 ± 0.63	96.7 ± 4.3	0.44	5.0
2011 44.0 to 2011 144.0	8.07 ± 0.54	95.0 ± 3.8	0.78	8.9
2011 78.0 to 2011 178.0	8.04 ± 0.47	91.7 ± 3.3	1.10	12.5
2011 112.0 to 2011 212.0	8.28 ± 0.37	94.3 ± 2.6	0.66	7.6
2011 146.0 to 2011 246.0	8.87 ± 0.23	91.8 ± 1.5	0.84	9.6
2011 180.0 to 2011 280.0	8.97 ± 0.23	89.0 ± 1.5	1.29	14.6
2011 216.0 to 2011 316.0	9.32 ± 0.27	101.7 ± 1.7	0.89	10.1
2011 250.0 to 2011 350.0	9.65 ± 0.45	100.6 ± 2.7	1.02	11.7
2011 284.0 to 2012 19.0	8.74 ± 0.64	98.7 ± 4.2	0.23	2.6

Tidal comparson **S2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2008 211.0 to 2008 311.0	5.40 ± 0.17	-76.7 ± 1.8	0.40	7.5
2008 233.0 to 2008 333.0	5.60 ± 0.25	-75.8 ± 2.6	0.40	7.5
2008 255.0 to 2008 355.0	5.32 ± 0.26	-80.3 ± 2.8	0.74	13.7
2008 277.0 to 2009 11.0	5.48 ± 0.28	-78.9 ± 2.9	0.62	11.6
2008 299.0 to 2009 33.0	5.02 ± 0.36	-82.9 ± 4.1	1.01	18.8
2008 321.0 to 2009 55.0	5.11 ± 0.31	-79.1 ± 3.5	0.66	12.3
2008 343.0 to 2009 77.0	5.81 ± 0.30	-77.0 ± 3.0	0.63	11.8
2008 365.0 to 2009 99.0	5.28 ± 0.29	-75.6 ± 3.1	0.31	5.7
2009 19.0 to 2009 119.0	4.42 ± 0.29	-75.7 ± 3.8	0.98	18.4
2009 43.0 to 2009 143.0	5.48 ± 0.30	-77.2 ± 3.1	0.47	8.7
2009 67.0 to 2009 167.0	5.08 ± 0.29	-71.4 ± 3.3	0.30	5.6
2009 91.0 to 2009 191.0	5.06 ± 0.25	-70.7 ± 2.8	0.34	6.4
2009 115.0 to 2009 215.0	5.07 ± 0.17	-77.1 ± 1.9	0.52	9.7
2009 139.0 to 2009 239.0	5.65 ± 0.11	-68.7 ± 1.1	0.46	8.5
2009 167.0 to 2009 267.0	5.74 ± 0.12	-68.5 ± 1.2	0.53	10.0
2009 191.0 to 2009 291.0	5.37 ± 0.12	-72.4 ± 1.3	0.01	0.1
2009 216.0 to 2009 316.0	5.21 ± 0.14	-72.7 ± 1.5	0.16	2.9
2009 240.0 to 2009 340.0	5.61 ± 0.24	-75.0 ± 2.5	0.35	6.5
2009 264.0 to 2009 364.0	5.31 ± 0.25	-76.3 ± 2.7	0.37	6.8
2009 298.0 to 2010 33.0	5.54 ± 0.28	-70.9 ± 2.9	0.23	4.2
2009 332.0 to 2010 67.0	4.78 ± 0.21	-72.8 ± 2.5	0.59	10.9
2010 1.0 to 2010 101.0	5.36 ± 0.20	-70.2 ± 2.1	0.21	3.9
2010 35.0 to 2010 135.0	5.06 ± 0.21	-69.0 ± 2.4	0.44	8.1
2010 69.0 to 2010 169.0	5.40 ± 0.21	-67.8 ± 2.2	0.44	8.1
2010 103.0 to 2010 203.0	5.73 ± 0.19	-67.9 ± 1.9	0.57	10.6
2010 137.0 to 2010 237.0	5.53 ± 0.16	-69.0 ± 1.7	0.36	6.8
2010 171.0 to 2010 271.0	5.35 ± 0.13	-72.8 ± 1.4	0.04	0.7
2010 205.0 to 2010 305.0	5.40 ± 0.14	-71.8 ± 1.5	0.07	1.3
2010 239.0 to 2010 339.0	5.46 ± 0.21	-72.1 ± 2.2	0.10	1.9
2010 273.0 to 2011 8.0	5.07 ± 0.27	-74.8 ± 3.1	0.37	6.8
2010 307.0 to 2011 42.0	4.90 ± 0.30	-72.0 ± 3.5	0.47	8.7
2010 341.0 to 2011 76.0	5.43 ± 0.28	-68.5 ± 3.0	0.37	7.0
2011 10.0 to 2011 110.0	5.04 ± 0.26	-70.1 ± 3.0	0.39	7.2
2011 44.0 to 2011 144.0	5.79 ± 0.22	-68.2 ± 2.2	0.59	11.0
2011 78.0 to 2011 178.0	5.25 ± 0.20	-68.4 ± 2.2	0.39	7.3
2011 112.0 to 2011 212.0	5.77 ± 0.15	-68.6 ± 1.5	0.55	10.2
2011 146.0 to 2011 246.0	5.54 ± 0.10	-71.5 ± 1.0	0.20	3.7
2011 180.0 to 2011 280.0	5.66 ± 0.10	-70.0 ± 1.0	0.38	7.0
2011 216.0 to 2011 316.0	5.17 ± 0.12	-72.0 ± 1.3	0.20	3.7
2011 250.0 to 2011 350.0	5.07 ± 0.19	-76.6 ± 2.1	0.48	9.0
2011 284.0 to 2012 19.0	5.39 ± 0.27	-71.1 ± 2.9	0.13	2.4