B201CH1 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	-6.58219 ± 0.04841	0.05109	-0.8
2008 233.0 to 2008 333.0	-6.63328 ± 0.11970	0.00000	-0.0
2008 255.0 to 2008 355.0	-6.60741 ± 0.11025	0.02587	-0.4
2008 277.0 to 2009 11.0	-6.43162 ± 0.08296	0.20166	-3.0
2008 299.0 to 2009 33.0	-6.39899 ± 0.13169	0.23429	-3.5
2008 321.0 to 2009 55.0	-6.23825 ± 0.10344	0.39503	-6.0
2008 343.0 to 2009 77.0	-6.25227 ± 0.09440	0.38101	-5.7
2008 365.0 to 2009 99.0	-6.22292 ± 0.11748	0.41036	-6.2
2009 19.0 to 2009 119.0	-6.29857 ± 0.07781	0.33471	-5.0
2009 43.0 to 2009 143.0	-6.36163 ± 0.07923	0.27165	-4.1
2009 67.0 to 2009 167.0	-6.34709 ± 0.08454	0.28619	-4.3
2009 91.0 to 2009 191.0	-6.40335 ± 0.08543	0.22993	-3.5
2009 115.0 to 2009 215.0	-6.47810 ± 0.06709	0.15518	-2.3
2009 139.0 to 2009 239.0	-6.32193 ± 0.07638	0.31135	-4.7
2009 167.0 to 2009 267.0	-6.51193 ± 0.07213	0.12135	-1.8
2009 191.0 to 2009 291.0	-6.63702 ± 0.05450	-0.00374	0.1
2009 216.0 to 2009 316.0	-6.77233 ± 0.05906	-0.13905	2.1
2009 240.0 to 2009 340.0	-6.88835 ± 0.06812	-0.25507	3.8
2009 264.0 to 2009 364.0	-6.93134 ± 0.06858	-0.29806	4.5
2009 298.0 to 2010 33.0	-6.92519 ± 0.06794	-0.29191	4.4
2009 332.0 to 2010 67.0	-6.86170 ± 0.05666	-0.22842	3.4
2010 1.0 to 2010 101.0	-6.84535 ± 0.04896	-0.21207	3.2
2010 35.0 to 2010 135.0	-6.83440 ± 0.05538	-0.20112	3.0
2010 69.0 to 2010 169.0	-6.83940 ± 0.06160	-0.20612	3.1
2010 103.0 to 2010 203.0	-6.78759 ± 0.07703	-0.15431	2.3
2010 137.0 to 2010 237.0	-6.67024 ± 0.08390	-0.03696	0.6
2010 171.0 to 2010 271.0	-6.30618 ± 0.07164	0.32710	-4.9
2010 205.0 to 2010 305.0	-6.61252 ± 0.06215	0.02076	-0.3
2010 239.0 to 2010 339.0	-6.77683 ± 0.07684	-0.14355	2.2
2010 273.0 to 2011 8.0	-6.76675 ± 0.07067	-0.13347	2.0
2010 307.0 to 2011 42.0	-6.73474 ± 0.08611	-0.10146	1.5
2010 341.0 to 2011 76.0	-6.74467 ± 0.07692	-0.11139	1.7
2011 10.0 to 2011 110.0	-6.80000 ± 0.09268	-0.16672	2.5
2011 44.0 to 2011 144.0	-6.80049 ± 0.08953	-0.16721	2.5
2011 78.0 to 2011 178.0	-6.79471 ± 0.08629	-0.16143	2.4
2011 112.0 to 2011 212.0	-6.64507 ± 0.09204	-0.01179	0.2
2011 146.0 to 2011 246.0	-6.39138 ± 0.09966	0.24190	-3.6
2011 180.0 to 2011 280.0	-6.35336 ± 0.10589	0.27992	-4.2
2011 216.0 to 2011 316.0	-6.58679 ± 0.08217	0.04649	-0.7
2011 250.0 to 2011 350.0	-6.63417 ± 0.12592	-0.00089	0.0
2011 284.0 to 2012 19.0	-6.58720 ± 0.12446	0.04608	-0.7

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	5.71 ± 0.04	-21.7 ± 0.4	0.60	10.5
2008 233.0 to 2008 333.0	5.66 ± 0.09	-22.4 ± 0.9	0.67	11.7
2008 255.0 to 2008 355.0	5.59 ± 0.10	-22.5 ± 1.0	0.68	11.9
2008 277.0 to 2009 11.0	5.54 ± 0.09	-23.1 ± 0.9	0.75	13.1
2008 299.0 to 2009 33.0	5.49 ± 0.15	-23.5 ± 1.6	0.79	13.9
2008 321.0 to 2009 55.0	5.52 ± 0.12	-23.4 ± 1.2	0.78	13.6
2008 343.0 to 2009 77.0	5.60 ± 0.11	-23.9 ± 1.1	0.82	14.3
2008 365.0 to 2009 99.0	5.69 ± 0.13	-23.9 ± 1.3	0.82	14.3
2009 19.0 to 2009 119.0	5.75 ± 0.07	-23.6 ± 0.7	0.79	13.9
2009 43.0 to 2009 143.0	5.72 ± 0.08	-23.4 ± 0.8	0.77	13.5
2009 67.0 to 2009 167.0	5.74 ± 0.07	-21.7 ± 0.7	0.60	10.5
2009 91.0 to 2009 191.0	5.72 ± 0.06	-20.0 ± 0.6	0.43	7.5
2009 115.0 to 2009 215.0	5.68 ± 0.04	-18.1 ± 0.4	0.24	4.2
2009 139.0 to 2009 239.0	5.67 ± 0.03	-16.5 ± 0.3	0.09	1.5
2009 167.0 to 2009 267.0	5.65 ± 0.03	-16.0 ± 0.3	0.06	1.1
2009 191.0 to 2009 291.0	5.70 ± 0.03	-15.7 ± 0.3	0.00	0.1
2009 216.0 to 2009 316.0	5.75 ± 0.04	-15.2 ± 0.4	0.07	1.2
2009 240.0 to 2009 340.0	5.80 ± 0.06	-15.2 ± 0.6	0.11	1.9
2009 264.0 to 2009 364.0	5.76 ± 0.07	-14.6 ± 0.7	0.12	2.1
2009 298.0 to 2010 33.0	5.68 ± 0.07	-14.8 ± 0.7	0.09	1.6
2009 332.0 to 2010 67.0	5.64 ± 0.05	-15.1 ± 0.5	0.09	1.5
2010 1.0 to 2010 101.0	5.70 ± 0.05	-16.0 ± 0.5	0.03	0.6
2010 35.0 to 2010 135.0	5.73 ± 0.05	-16.2 ± 0.5	0.06	1.0
2010 69.0 to 2010 169.0	5.73 ± 0.06	-16.4 ± 0.6	0.08	1.3
2010 103.0 to 2010 203.0	5.67 ± 0.05	-15.8 ± 0.5	0.04	0.6
2010 137.0 to 2010 237.0	5.71 ± 0.05	-15.6 ± 0.5	0.01	0.2
2010 171.0 to 2010 271.0	5.79 ± 0.03	-15.1 ± 0.3	0.10	1.8
2010 205.0 to 2010 305.0	5.87 ± 0.04	-15.1 ± 0.4	0.18	3.1
2010 239.0 to 2010 339.0	5.84 ± 0.06	-14.8 ± 0.6	0.16	2.9
2010 273.0 to 2011 8.0	5.80 ± 0.07	-15.1 ± 0.7	0.11	2.0
2010 307.0 to 2011 42.0	5.77 ± 0.09	-15.5 ± 0.9	0.07	1.2
2010 341.0 to 2011 76.0	5.74 ± 0.08	-15.0 ± 0.8	0.08	1.4
2011 10.0 to 2011 110.0	5.67 ± 0.09	-15.3 ± 0.9	0.05	0.9
2011 44.0 to 2011 144.0	5.69 ± 0.08	-14.8 ± 0.8	0.09	1.6
2011 78.0 to 2011 178.0	5.71 ± 0.06	-14.3 ± 0.6	0.14	2.4
2011 112.0 to 2011 212.0	5.71 ± 0.05	-13.6 ± 0.5	0.21	3.6
2011 146.0 to 2011 246.0	5.75 ± 0.04	-13.1 ± 0.4	0.26	4.6
2011 180.0 to 2011 280.0	5.70 ± 0.05	-13.4 ± 0.5	0.23	4.0
2011 216.0 to 2011 316.0	5.73 ± 0.05	-13.1 ± 0.5	0.26	4.5
2011 250.0 to 2011 350.0	5.75 ± 0.10	-13.3 ± 1.0	0.24	4.3
2011 284.0 to 2012 19.0	5.74 ± 0.12	-13.0 ± 1.2	0.27	4.7

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	4.92 ± 0.08	71.2 ± 0.9	0.58	12.9
2008 233.0 to 2008 333.0	4.95 ± 0.22	72.0 ± 2.5	0.56	12.6
2008 255.0 to 2008 355.0	4.92 ± 0.22	73.9 ± 2.6	0.47	10.5
2008 277.0 to 2009 11.0	4.83 ± 0.22	72.5 ± 2.6	0.44	9.8
2008 299.0 to 2009 33.0	4.81 ± 0.34	72.3 ± 4.1	0.43	9.7
2008 321.0 to 2009 55.0	4.81 ± 0.26	71.6 ± 3.1	0.47	10.5
2008 343.0 to 2009 77.0	4.83 ± 0.25	68.6 ± 3.0	0.67	15.0
2008 365.0 to 2009 99.0	4.79 ± 0.29	69.1 ± 3.5	0.61	13.7
2009 19.0 to 2009 119.0	4.67 ± 0.16	68.0 ± 2.0	0.64	14.2
2009 43.0 to 2009 143.0	4.55 ± 0.17	70.4 ± 2.1	0.41	9.3
2009 67.0 to 2009 167.0	4.50 ± 0.16	74.1 ± 2.0	0.12	2.7
2009 91.0 to 2009 191.0	4.56 ± 0.13	75.9 ± 1.6	0.09	2.1
2009 115.0 to 2009 215.0	4.68 ± 0.10	77.7 ± 1.2	0.27	6.1
2009 139.0 to 2009 239.0	4.63 ± 0.07	75.8 ± 0.9	0.16	3.6
2009 167.0 to 2009 267.0	4.80 ± 0.08	73.8 ± 1.0	0.36	8.1
2009 191.0 to 2009 291.0	4.76 ± 0.07	72.7 ± 0.8	0.37	8.3
2009 216.0 to 2009 316.0	4.66 ± 0.10	72.4 ± 1.2	0.32	7.1
2009 240.0 to 2009 340.0	4.66 ± 0.14	74.3 ± 1.7	0.22	4.8
2009 264.0 to 2009 364.0	4.60 ± 0.15	77.3 ± 1.9	0.19	4.2
2009 298.0 to 2010 33.0	4.55 ± 0.16	76.6 ± 2.0	0.11	2.6
2009 332.0 to 2010 67.0	4.58 ± 0.12	77.5 ± 1.5	0.19	4.2
2010 1.0 to 2010 101.0	4.38 ± 0.12	75.8 ± 1.6	0.09	2.0
2010 35.0 to 2010 135.0	4.31 ± 0.12	75.9 ± 1.6	0.16	3.6
2010 69.0 to 2010 169.0	4.30 ± 0.13	74.3 ± 1.7	0.19	4.4
2010 103.0 to 2010 203.0	4.42 ± 0.12	73.1 ± 1.6	0.20	4.4
2010 137.0 to 2010 237.0	4.37 ± 0.11	75.1 ± 1.4	0.11	2.4
2010 171.0 to 2010 271.0	4.47 ± 0.07	75.9 ± 0.9	0.03	0.6
2010 205.0 to 2010 305.0	4.38 ± 0.08	76.9 ± 1.0	0.14	3.0
2010 239.0 to 2010 339.0	4.28 ± 0.14	77.5 ± 1.9	0.24	5.4
2010 273.0 to 2011 8.0	4.24 ± 0.16	76.8 ± 2.2	0.25	5.5
2010 307.0 to 2011 42.0	4.34 ± 0.20	77.1 ± 2.6	0.17	3.9
2010 341.0 to 2011 76.0	4.31 ± 0.19	75.8 ± 2.5	0.16	3.6
2011 10.0 to 2011 110.0	4.23 ± 0.20	75.6 ± 2.7	0.24	5.3
2011 44.0 to 2011 144.0	4.16 ± 0.19	76.3 ± 2.6	0.31	7.0
2011 78.0 to 2011 178.0	4.05 ± 0.14	75.8 ± 2.0	0.42	9.4
2011 112.0 to 2011 212.0	4.06 ± 0.12	75.4 ± 1.7	0.41	9.2
2011 146.0 to 2011 246.0	4.05 ± 0.09	75.8 ± 1.3	0.42	9.4
2011 180.0 to 2011 280.0	4.04 ± 0.11	74.0 ± 1.6	0.44	9.9
2011 216.0 to 2011 316.0	4.04 ± 0.11	73.5 ± 1.6	0.46	10.2
2011 250.0 to 2011 350.0	4.12 ± 0.24	75.4 ± 3.3	0.35	7.8
2011 284.0 to 2012 19.0	4.15 ± 0.28	75.8 ± 3.9	0.32	7.1

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	5.25 ± 0.32	-155.2 ± 3.5	1.03	17.0
2008 233.0 to 2008 333.0	6.13 ± 0.89	-147.0 ± 8.3	0.20	3.2
2008 255.0 to 2008 355.0	5.94 ± 0.91	-152.3 ± 8.8	0.39	6.5
2008 277.0 to 2009 11.0	6.89 ± 0.87	-165.2 ± 7.2	2.03	33.4
2008 299.0 to 2009 33.0	5.95 ± 1.40	-137.3 ± 13.5	1.20	19.8
2008 321.0 to 2009 55.0	6.38 ± 1.08	-151.7 ± 9.7	0.45	7.4
2008 343.0 to 2009 77.0	7.98 ± 1.02	-147.4 ± 7.3	1.92	31.7
2008 365.0 to 2009 99.0	6.20 ± 1.18	-144.6 ± 10.9	0.46	7.6
2009 19.0 to 2009 119.0	6.94 ± 0.66	-128.8 ± 5.4	2.41	39.8
2009 43.0 to 2009 143.0	7.61 ± 0.71	-154.9 ± 5.3	1.71	28.2
2009 67.0 to 2009 167.0	8.07 ± 0.64	-140.1 ± 4.5	2.27	37.4
2009 91.0 to 2009 191.0	5.40 ± 0.54	-142.3 ± 5.7	0.92	15.2
2009 115.0 to 2009 215.0	8.36 ± 0.40	-147.4 ± 2.7	2.30	37.9
2009 139.0 to 2009 239.0	5.01 ± 0.29	-154.5 ± 3.3	1.19	19.6
2009 167.0 to 2009 267.0	6.11 ± 0.31	-140.9 ± 2.9	0.83	13.7
2009 191.0 to 2009 291.0	7.38 ± 0.30	-161.3 ± 2.3	1.97	32.4
2009 216.0 to 2009 316.0	4.83 ± 0.39	-144.4 ± 4.6	1.30	21.5
2009 240.0 to 2009 340.0	6.53 ± 0.59	-148.7 ± 5.2	0.47	7.7
2009 264.0 to 2009 364.0	6.79 ± 0.62	-153.2 ± 5.2	0.88	14.5
2009 298.0 to 2010 33.0	6.12 ± 0.66	-147.9 ± 6.2	0.10	1.7
2009 332.0 to 2010 67.0	6.05 ± 0.48	-142.6 ± 4.5	0.65	10.7
2010 1.0 to 2010 101.0	6.59 ± 0.47	-143.9 ± 4.1	0.75	12.3
2010 35.0 to 2010 135.0	5.76 ± 0.49	-142.0 ± 4.9	0.76	12.5
2010 69.0 to 2010 169.0	5.89 ± 0.53	-141.6 ± 5.2	0.76	12.6
2010 103.0 to 2010 203.0	6.53 ± 0.48	-144.2 ± 4.2	0.68	11.2
2010 137.0 to 2010 237.0	5.15 ± 0.44	-154.6 ± 4.9	1.08	17.8
2010 171.0 to 2010 271.0	5.66 ± 0.29	-143.6 ± 2.9	0.66	10.9
2010 205.0 to 2010 305.0	6.32 ± 0.33	-156.7 ± 3.0	0.90	14.8
2010 239.0 to 2010 339.0	5.46 ± 0.57	-154.4 ± 6.0	0.83	13.7
2010 273.0 to 2011 8.0	6.34 ± 0.66	-148.9 ± 6.0	0.28	4.5
2010 307.0 to 2011 42.0	5.92 ± 0.82	-148.7 ± 7.9	0.14	2.4
2010 341.0 to 2011 76.0	6.56 ± 0.75	-152.3 ± 6.6	0.63	10.4
2011 10.0 to 2011 110.0	5.57 ± 0.83	-142.3 ± 8.5	0.82	13.5
2011 44.0 to 2011 144.0	6.66 ± 0.79	-151.8 ± 6.8	0.69	11.3
2011 78.0 to 2011 178.0	5.20 ± 0.59	-146.0 ± 6.5	0.91	14.9
2011 112.0 to 2011 212.0	5.64 ± 0.50	-147.9 ± 5.1	0.43	7.1
2011 146.0 to 2011 246.0	5.03 ± 0.39	-150.6 ± 4.4	1.05	17.3
2011 180.0 to 2011 280.0	5.62 ± 0.46	-157.7 ± 4.7	1.01	16.7
2011 216.0 to 2011 316.0	5.99 ± 0.46	-151.8 ± 4.4	0.33	5.4
2011 250.0 to 2011 350.0	7.11 ± 0.96	-161.4 ± 7.7	1.79	29.4
2011 284.0 to 2012 19.0	6.00 ± 1.14	-151.1 ± 10.9	0.26	4.2

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	2.13 ± 0.16	125.3 ± 4.3	0.25	10.7
2008 233.0 to 2008 333.0	2.25 ± 0.37	129.2 ± 9.4	0.09	3.7
2008 255.0 to 2008 355.0	2.70 ± 0.38	127.3 ± 8.1	0.37	15.9
2008 277.0 to 2009 11.0	2.54 ± 0.37	122.6 ± 8.3	0.34	14.5
2008 299.0 to 2009 33.0	2.84 ± 0.59	126.7 ± 11.9	0.51	22.0
2008 321.0 to 2009 55.0	2.44 ± 0.45	121.6 ± 10.6	0.32	13.9
2008 343.0 to 2009 77.0	2.37 ± 0.43	121.2 ± 10.4	0.32	13.7
2008 365.0 to 2009 99.0	2.78 ± 0.49	124.2 ± 10.1	0.49	21.0
2009 19.0 to 2009 119.0	3.06 ± 0.28	114.3 ± 5.2	0.99	42.6
2009 43.0 to 2009 143.0	2.54 ± 0.30	123.1 ± 6.8	0.32	13.8
2009 67.0 to 2009 167.0	2.01 ± 0.27	120.8 ± 7.7	0.45	19.2
2009 91.0 to 2009 191.0	2.25 ± 0.23	118.2 ± 5.9	0.44	18.8
2009 115.0 to 2009 215.0	2.40 ± 0.17	107.2 ± 4.1	0.90	38.4
2009 139.0 to 2009 239.0	2.10 ± 0.12	129.6 ± 3.3	0.24	10.2
2009 167.0 to 2009 267.0	2.14 ± 0.13	120.9 ± 3.5	0.37	15.9
2009 191.0 to 2009 291.0	2.39 ± 0.13	137.6 ± 3.1	0.36	15.4
2009 216.0 to 2009 316.0	2.66 ± 0.17	136.5 ± 3.7	0.46	19.7
2009 240.0 to 2009 340.0	2.11 ± 0.25	139.0 ± 6.8	0.45	19.2
2009 264.0 to 2009 364.0	2.52 ± 0.26	144.9 ± 5.9	0.70	29.8
2009 298.0 to 2010 33.0	2.32 ± 0.28	131.0 ± 6.9	0.08	3.6
2009 332.0 to 2010 67.0	2.71 ± 0.20	131.4 ± 4.2	0.39	16.6
2010 1.0 to 2010 101.0	2.58 ± 0.20	130.2 ± 4.4	0.25	10.7
2010 35.0 to 2010 135.0	2.52 ± 0.20	130.0 ± 4.5	0.19	8.1
2010 69.0 to 2010 169.0	2.52 ± 0.22	131.8 ± 5.0	0.22	9.4
2010 103.0 to 2010 203.0	2.01 ± 0.20	119.1 ± 5.7	0.50	21.2
2010 137.0 to 2010 237.0	2.15 ± 0.18	129.6 ± 4.8	0.19	8.1
2010 171.0 to 2010 271.0	2.45 ± 0.12	135.8 ± 2.8	0.31	13.1
2010 205.0 to 2010 305.0	2.18 ± 0.14	132.8 ± 3.7	0.22	9.3
2010 239.0 to 2010 339.0	2.62 ± 0.24	136.1 ± 5.2	0.42	17.9
2010 273.0 to 2011 8.0	2.40 ± 0.28	134.7 ± 6.7	0.25	10.5
2010 307.0 to 2011 42.0	2.61 ± 0.34	134.0 ± 7.5	0.35	14.9
2010 341.0 to 2011 76.0	2.20 ± 0.32	131.9 ± 8.3	0.18	7.7
2011 10.0 to 2011 110.0	2.51 ± 0.35	130.5 ± 8.0	0.19	7.9
2011 44.0 to 2011 144.0	2.26 ± 0.33	126.7 ± 8.4	0.12	5.1
2011 78.0 to 2011 178.0	2.44 ± 0.25	126.2 ± 5.9	0.15	6.6
2011 112.0 to 2011 212.0	2.20 ± 0.21	129.3 ± 5.5	0.14	5.9
2011 146.0 to 2011 246.0	1.80 ± 0.16	124.9 ± 5.1	0.56	23.8
2011 180.0 to 2011 280.0	2.29 ± 0.19	127.8 ± 4.8	0.07	2.8
2011 216.0 to 2011 316.0	2.41 ± 0.19	133.3 ± 4.5	0.19	8.3
2011 250.0 to 2011 350.0	2.25 ± 0.40	145.0 ± 10.2	0.65	27.6
2011 284.0 to 2012 19.0	2.38 ± 0.47	126.0 ± 11.3	0.13	5.5