B078CH1 Comparison between current analysis and prior analysis

Pressure comparison			
time interval	Pressure Coef. counts/counts	Difference counts/counts	Percent change
2009 33.0 to 2009 133.0	-5.13024 ± 0.05305	0.00000	-0.0
2009 57.0 to 2009 157.0	-5.00684 ± 0.05513	0.12340	-2.4
2009 81.0 to 2009 181.0	-4.98346 ± 0.05417	0.14678	-2.9
2009 105.0 to 2009 205.0	-4.94584 ± 0.06223	0.18440	-3.6
2009 129.0 to 2009 229.0	-4.99349 ± 0.07580	0.13675	-2.7
2009 153.0 to 2009 253.0	-5.02219 ± 0.07666	0.10805	-2.1
2009 177.0 to 2009 277.0	-5.12133 ± 0.07885	0.00891	-0.2
2009 201.0 to 2009 301.0	-5.13007 ± 0.06993	0.00017	-0.0
2009 225.0 to 2009 325.0	-5.30625 ± 0.06611	-0.17601	3.4
2009 249.0 to 2009 349.0	-5.37119 ± 0.07682	-0.24095	4.7
2009 285.0 to 2010 20.0	-5.25953 ± 0.04226	-0.12929	2.5
2009 319.0 to 2010 54.0	-5.11852 ± 0.04592	0.01172	-0.2
2009 353.0 to 2010 88.0	-5.11495 ± 0.04413	0.01529	-0.3
2010 22.0 to 2010 122.0	-5.17527 ± 0.04908	-0.04503	0.9
2010 56.0 to 2010 156.0	-5.15052 ± 0.05373	-0.02028	0.4
2010 90.0 to 2010 190.0	-5.02793 ± 0.06200	0.10231	-2.0
2010 124.0 to 2010 224.0	-4.83526 ± 0.07616	0.29498	-5.7
2010 158.0 to 2010 258.0	-4.97145 ± 0.07755	0.15879	-3.1
2010 192.0 to 2010 292.0	-4.99846 ± 0.08020	0.13178	-2.6
2010 226.0 to 2010 326.0	-5.31005 ± 0.05747	-0.17981	3.5
2010 260.0 to 2010 360.0	-5.39985 ± 0.04366	-0.26961	5.3
2010 294.0 to 2011 29.0	-5.35159 ± 0.05231	-0.22135	4.3
2010 328.0 to 2011 63.0	-5.30279 ± 0.04768	-0.17255	3.4
2010 362.0 to 2011 97.0	-5.28468 ± 0.05153	-0.15444	3.0
2011 31.0 to 2011 131.0	-5.26606 ± 0.05033	-0.13582	2.6
2011 65.0 to 2011 165.0	-5.21871 ± 0.04503	-0.08847	1.7
2011 99.0 to 2011 199.0	-5.06025 ± 0.04740	0.06999	-1.4
2011 133.0 to 2011 233.0	-5.04077 ± 0.05894	0.08947	-1.7
2011 167.0 to 2011 267.0	-5.07467 ± 0.09887	0.05557	-1.1
2011 201.0 to 2011 301.0	-5.31492 ± 0.08577	-0.18468	3.6
2011 235.0 to 2011 335.0	-5.30736 ± 0.04499	-0.17712	3.5
2011 269.0 to 2012 4.0	-5.40740 ± 0.04011	-0.27716	5.4
2011 303.0 to 2012 38.0	-5.32875 ± 0.03589	-0.19851	3.9

Tidal comparson **M2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 33.0 to 2009 133.0	2.39 ± 0.04	-170.4 ± 1.0	0.07	3.0
2009 57.0 to 2009 157.0	2.39 ± 0.03	-170.4 ± 0.7	0.07	3.0
2009 81.0 to 2009 181.0	2.40 ± 0.03	-171.3 ± 0.7	0.06	2.5
2009 105.0 to 2009 205.0	2.42 ± 0.03	-171.0 ± 0.7	0.04	1.6
2009 129.0 to 2009 229.0	2.42 ± 0.03	-171.8 ± 0.7	0.05	2.2
2009 153.0 to 2009 253.0	2.43 ± 0.03	-171.5 ± 0.7	0.04	1.5
2009 177.0 to 2009 277.0	2.44 ± 0.03	-171.4 ± 0.7	0.03	1.1
2009 201.0 to 2009 301.0	2.42 ± 0.04	-171.3 ± 0.9	0.04	1.7
2009 225.0 to 2009 325.0	2.42 ± 0.04	-171.8 ± 0.9	0.05	2.2
2009 249.0 to 2009 349.0	2.40 ± 0.05	-171.5 ± 1.2	0.06	2.6
2009 285.0 to 2010 20.0	2.40 ± 0.03	-173.0 ± 0.7	0.11	4.3
2009 319.0 to 2010 54.0	2.43 ± 0.04	-171.9 ± 0.9	0.05	2.1
2009 353.0 to 2010 88.0	2.43 ± 0.04	-171.4 ± 0.9	0.04	1.4
2010 22.0 to 2010 122.0	2.45 ± 0.04	-171.5 ± 0.9	0.03	1.1
2010 56.0 to 2010 156.0	2.41 ± 0.03	-171.9 ± 0.7	0.06	2.6
2010 90.0 to 2010 190.0	2.47 ± 0.03	-171.3 ± 0.7	0.02	0.8
2010 124.0 to 2010 224.0	2.45 ± 0.04	-170.9 ± 0.9	0.01	0.4
2010 158.0 to 2010 258.0	2.47 ± 0.03	-169.5 ± 0.7	0.06	2.5
2010 192.0 to 2010 292.0	2.49 ± 0.03	-169.6 ± 0.7	0.07	2.7
2010 226.0 to 2010 326.0	2.56 ± 0.03	-170.7 ± 0.7	0.10	4.1
2010 260.0 to 2010 360.0	2.59 ± 0.03	-171.7 ± 0.7	0.13	5.5
2010 294.0 to 2011 29.0	2.62 ± 0.04	-171.5 ± 0.9	0.16	6.6
2010 328.0 to 2011 63.0	2.60 ± 0.04	-170.3 ± 0.9	0.14	5.8
2010 362.0 to 2011 97.0	2.57 ± 0.04	-169.8 ± 0.9	0.12	4.9
2011 31.0 to 2011 131.0	2.56 ± 0.03	-170.1 ± 0.7	0.11	4.4
2011 65.0 to 2011 165.0	2.59 ± 0.03	-169.4 ± 0.7	0.15	6.0
2011 99.0 to 2011 199.0	2.57 ± 0.03	-170.6 ± 0.7	0.11	4.5
2011 133.0 to 2011 233.0	2.56 ± 0.03	-169.7 ± 0.7	0.11	4.6
2011 167.0 to 2011 267.0	2.52 ± 0.04	-169.5 ± 0.9	0.09	3.5
2011 201.0 to 2011 301.0	2.52 ± 0.04	-168.0 ± 0.9	0.14	5.7
2011 235.0 to 2011 335.0	2.55 ± 0.03	-168.3 ± 0.7	0.15	6.0
2011 269.0 to 2012 4.0	2.53 ± 0.03	-169.2 ± 0.7	0.10	4.2
2011 303.0 to 2012 38.0	2.58 ± 0.03	-169.7 ± 0.7	0.13	5.4

Tidal comparson **O1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 33.0 to 2009 133.0	2.32 ± 0.07	-162.0 ± 1.7	0.13	6.0
2009 57.0 to 2009 157.0	2.26 ± 0.07	-160.0 ± 1.8	0.11	5.1
2009 81.0 to 2009 181.0	2.35 ± 0.07	-161.1 ± 1.7	0.17	7.7
2009 105.0 to 2009 205.0	2.37 ± 0.07	-160.5 ± 1.7	0.19	8.9
2009 129.0 to 2009 229.0	2.31 ± 0.08	-161.3 ± 2.0	0.13	5.8
2009 153.0 to 2009 253.0	2.21 ± 0.08	-162.2 ± 2.1	0.02	1.0
2009 177.0 to 2009 277.0	2.15 ± 0.08	-165.1 ± 2.1	0.11	5.3
2009 201.0 to 2009 301.0	1.99 ± 0.08	-165.4 ± 2.3	0.23	10.5
2009 225.0 to 2009 325.0	1.88 ± 0.08	-164.9 ± 2.4	0.32	14.7
2009 249.0 to 2009 349.0	1.93 ± 0.10	-165.1 ± 3.0	0.28	12.7
2009 285.0 to 2010 20.0	2.23 ± 0.07	-160.4 ± 1.8	0.08	3.8
2009 319.0 to 2010 54.0	2.30 ± 0.09	-154.9 ± 2.2	0.31	14.1
2009 353.0 to 2010 88.0	2.23 ± 0.08	-156.2 ± 2.1	0.24	10.8
2010 22.0 to 2010 122.0	2.11 ± 0.08	-160.4 ± 2.2	0.10	4.8
2010 56.0 to 2010 156.0	2.22 ± 0.08	-162.5 ± 2.1	0.03	1.5
2010 90.0 to 2010 190.0	2.28 ± 0.08	-161.9 ± 2.0	0.09	4.2
2010 124.0 to 2010 224.0	2.36 ± 0.08	-161.6 ± 1.9	0.17	7.9
2010 158.0 to 2010 258.0	2.20 ± 0.08	-162.3 ± 2.1	0.01	0.5
2010 192.0 to 2010 292.0	2.16 ± 0.08	-164.8 ± 2.1	0.10	4.6
2010 226.0 to 2010 326.0	2.20 ± 0.07	-157.2 ± 1.8	0.19	8.8
2010 260.0 to 2010 360.0	2.30 ± 0.07	-159.6 ± 1.7	0.15	6.9
2010 294.0 to 2011 29.0	2.33 ± 0.10	-157.8 ± 2.5	0.22	10.3
2010 328.0 to 2011 63.0	2.23 ± 0.09	-166.4 ± 2.3	0.17	7.6
2010 362.0 to 2011 97.0	2.19 ± 0.09	-165.1 ± 2.4	0.11	5.0
2011 31.0 to 2011 131.0	2.04 ± 0.08	-166.8 ± 2.2	0.22	10.3
2011 65.0 to 2011 165.0	2.05 ± 0.06	-163.7 ± 1.7	0.15	6.8
2011 99.0 to 2011 199.0	2.12 ± 0.06	-162.0 ± 1.6	0.07	3.2
2011 133.0 to 2011 233.0	2.19 ± 0.07	-163.3 ± 1.8	0.04	1.8
2011 167.0 to 2011 267.0	2.05 ± 0.09	-161.5 ± 2.5	0.14	6.5
2011 201.0 to 2011 301.0	1.95 ± 0.09	-160.4 ± 2.6	0.25	11.3
2011 235.0 to 2011 335.0	1.83 ± 0.06	-163.3 ± 1.9	0.36	16.5
2011 269.0 to 2012 4.0	1.98 ± 0.06	-168.2 ± 1.7	0.30	13.7
2011 303.0 to 2012 38.0	2.06 ± 0.06	-168.1 ± 1.7	0.25	11.5

Tidal comparson **K1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 33.0 to 2009 133.0	2.30 ± 0.30	-50.2 ± 7.5	0.68	25.1
2009 57.0 to 2009 157.0	3.56 ± 0.28	-42.6 ± 4.5	0.90	33.1
2009 81.0 to 2009 181.0	3.05 ± 0.27	-59.0 ± 5.1	1.12	41.3
2009 105.0 to 2009 205.0	2.35 ± 0.28	-33.1 ± 6.8	0.41	15.1
2009 129.0 to 2009 229.0	3.02 ± 0.32	-19.0 ± 6.1	0.98	36.2
2009 153.0 to 2009 253.0	3.51 ± 0.31	-28.1 ± 5.1	0.96	35.4
2009 177.0 to 2009 277.0	2.20 ± 0.31	-10.2 ± 8.1	1.26	46.7
2009 201.0 to 2009 301.0	3.12 ± 0.43	-1.4 ± 7.9	1.86	68.6
2009 225.0 to 2009 325.0	4.13 ± 0.53	-5.8 ± 7.4	2.32	86.0
2009 249.0 to 2009 349.0	4.54 ± 1.82	-103.8 ± 23.0	4.24	156.8
2009 285.0 to 2010 20.0	2.42 ± 0.29	-52.2 ± 6.9	0.71	26.1
2009 319.0 to 2010 54.0	1.51 ± 0.36	-50.4 ± 13.7	1.28	47.2
2009 353.0 to 2010 88.0	2.96 ± 0.33	-35.0 ± 6.4	0.29	10.6
2010 22.0 to 2010 122.0	3.59 ± 0.32	-59.3 ± 5.1	1.47	54.2
2010 56.0 to 2010 156.0	3.90 ± 0.31	-47.5 ± 4.6	1.32	48.8
2010 90.0 to 2010 190.0	3.05 ± 0.33	-42.5 ± 6.2	0.42	15.6
2010 124.0 to 2010 224.0	3.15 ± 0.33	-33.3 ± 6.0	0.50	18.4
2010 158.0 to 2010 258.0	2.99 ± 0.32	-28.0 ± 6.1	0.56	20.7
2010 192.0 to 2010 292.0	2.91 ± 0.31	-12.3 ± 6.1	1.25	46.2
2010 226.0 to 2010 326.0	1.56 ± 0.28	-0.3 ± 10.3	1.74	64.5
2010 260.0 to 2010 360.0	4.09 ± 0.28	14.6 ± 3.9	3.24	119.9
2010 294.0 to 2011 29.0	2.83 ± 0.40	-84.5 ± 8.1	2.20	81.4
2010 328.0 to 2011 63.0	1.72 ± 0.37	60.2 ± 12.3	3.40	125.7
2010 362.0 to 2011 97.0	3.41 ± 0.36	-53.7 ± 6.0	1.10	40.7
2011 31.0 to 2011 131.0	1.90 ± 0.32	-71.4 ± 9.6	1.54	57.0
2011 65.0 to 2011 165.0	3.66 ± 0.27	-41.7 ± 4.2	0.98	36.3
2011 99.0 to 2011 199.0	3.27 ± 0.25	-49.3 ± 4.4	0.83	30.5
2011 133.0 to 2011 233.0	3.18 ± 0.27	-47.7 ± 4.9	0.70	25.8
2011 167.0 to 2011 267.0	2.90 ± 0.38	-14.3 ± 7.5	1.15	42.6
2011 201.0 to 2011 301.0	2.57 ± 0.36	-19.6 ± 8.0	0.84	31.0
2011 235.0 to 2011 335.0	2.06 ± 0.24	0.5 ± 6.7	1.67	61.9
2011 269.0 to 2012 4.0	1.31 ± 0.25	-33.8 ± 10.9	1.40	51.8
2011 303.0 to 2012 38.0	0.76 ± 0.25	-28.3 ± 18.8	1.96	72.4

Tidal comparson **S2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 33.0 to 2009 133.0	0.76 ± 0.14	28.3 ± 10.6	0.19	22.2
2009 57.0 to 2009 157.0	0.98 ± 0.12	14.8 ± 7.0	0.12	14.1
2009 81.0 to 2009 181.0	1.23 ± 0.11	18.5 ± 5.1	0.37	42.6
2009 105.0 to 2009 205.0	1.31 ± 0.12	19.7 ± 5.2	0.45	52.1
2009 129.0 to 2009 229.0	1.31 ± 0.13	11.5 ± 5.7	0.46	53.0
2009 153.0 to 2009 253.0	1.19 ± 0.13	0.5 ± 6.3	0.44	50.5
2009 177.0 to 2009 277.0	1.15 ± 0.13	-6.0 ± 6.5	0.49	56.5
2009 201.0 to 2009 301.0	0.78 ± 0.17	1.5 ± 12.5	0.23	27.2
2009 225.0 to 2009 325.0	0.79 ± 0.20	-10.2 ± 14.5	0.39	45.6
2009 249.0 to 2009 349.0	1.84 ± 0.51	-43.7 ± 15.9	1.60	185.7
2009 285.0 to 2010 20.0	0.24 ± 0.12	2.4 ± 28.6	0.63	73.4
2009 319.0 to 2010 54.0	1.08 ± 0.16	45.4 ± 8.5	0.52	60.6
2009 353.0 to 2010 88.0	1.26 ± 0.14	57.3 ± 6.4	0.82	95.3
2010 22.0 to 2010 122.0	0.67 ± 0.14	-10.3 ± 12.0	0.41	47.0
2010 56.0 to 2010 156.0	1.24 ± 0.14	29.5 ± 6.5	0.44	51.0
2010 90.0 to 2010 190.0	1.35 ± 0.14	21.8 ± 5.9	0.50	57.4
2010 124.0 to 2010 224.0	1.18 ± 0.14	3.9 ± 6.8	0.39	45.2
2010 158.0 to 2010 258.0	1.16 ± 0.13	-5.4 ± 6.4	0.49	56.4
2010 192.0 to 2010 292.0	1.21 ± 0.13	-8.0 ± 6.2	0.56	64.9
2010 226.0 to 2010 326.0	0.79 ± 0.12	21.7 ± 8.7	0.10	11.7
2010 260.0 to 2010 360.0	0.87 ± 0.12	-27.4 ± 7.9	0.65	75.6
2010 294.0 to 2011 29.0	0.58 ± 0.17	95.9 ± 16.8	0.94	109.4
2010 328.0 to 2011 63.0	1.28 ± 0.15	49.8 ± 6.7	0.73	84.3
2010 362.0 to 2011 97.0	0.90 ± 0.15	53.2 ± 9.5	0.55	63.8
2011 31.0 to 2011 131.0	1.09 ± 0.13	23.8 ± 6.8	0.26	29.6
2011 65.0 to 2011 165.0	0.91 ± 0.11	30.5 ± 6.9	0.22	25.0
2011 99.0 to 2011 199.0	1.26 ± 0.10	8.2 ± 4.5	0.43	49.4
2011 133.0 to 2011 233.0	0.87 ± 0.12	-1.9 ± 7.9	0.28	32.7
2011 167.0 to 2011 267.0	1.29 ± 0.17	2.2 ± 7.6	0.50	58.4
2011 201.0 to 2011 301.0	0.55 ± 0.17	11.5 ± 17.7	0.32	37.0
2011 235.0 to 2011 335.0	0.61 ± 0.10	-7.6 ± 9.4	0.40	46.1
2011 269.0 to 2012 4.0	0.33 ± 0.12	111.1 ± 20.8	0.95	109.7
2011 303.0 to 2012 38.0	0.66 ± 0.12	22.3 ± 10.4	0.22	25.0