B078CH2 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	-3.99290 ± 0.06783	0.07957	-2.0
2009 57.0 to 2009 157.0	-3.98686 ± 0.08673	0.08561	-2.1
2009 81.0 to 2009 181.0	-3.93567 ± 0.10384	0.13680	-3.4
2009 105.0 to 2009 205.0	-3.78868 ± 0.12430	0.28379	-7.0
2009 129.0 to 2009 229.0	-3.66383 ± 0.15329	0.40864	-10.0
2009 153.0 to 2009 253.0	-3.60996 ± 0.14639	0.46251	-11.4
2009 177.0 to 2009 277.0	-3.60621 ± 0.15566	0.46626	-11.4
2009 201.0 to 2009 301.0	-3.96688 ± 0.11871	0.10559	-2.6
2009 225.0 to 2009 325.0	-4.16920 ± 0.11212	-0.09673	2.4
2009 249.0 to 2009 349.0	-4.22139 ± 0.13053	-0.14892	3.7
2009 285.0 to 2010 20.0	-4.34934 ± 0.06345	-0.27687	6.8
2009 319.0 to 2010 54.0	-4.22631 ± 0.04861	-0.15384	3.8
2009 353.0 to 2010 88.0	-4.19897 ± 0.03807	-0.12650	3.1
2010 22.0 to 2010 122.0	-4.19450 ± 0.04483	-0.12203	3.0
2010 56.0 to 2010 156.0	-4.16071 ± 0.07346	-0.08824	2.2
2010 90.0 to 2010 190.0	-4.07247 ± 0.10091	0.00000	-0.0
2010 124.0 to 2010 224.0	-3.80861 ± 0.14230	0.26386	-6.5
2010 158.0 to 2010 258.0	-3.70600 ± 0.14844	0.36647	-9.0
2010 192.0 to 2010 292.0	-3.93881 ± 0.15448	0.13366	-3.3
2010 226.0 to 2010 326.0	-4.35645 ± 0.10863	-0.28398	7.0
2010 260.0 to 2010 360.0	-4.37873 ± 0.06320	-0.30626	7.5
2010 294.0 to 2011 29.0	-4.33302 ± 0.04915	-0.26055	6.4
2010 328.0 to 2011 63.0	-4.27345 ± 0.04497	-0.20098	4.9
2010 362.0 to 2011 97.0	-4.25015 ± 0.04885	-0.17768	4.4
2011 31.0 to 2011 131.0	-4.13583 ± 0.05107	-0.06336	1.6
2011 65.0 to 2011 165.0	-3.90516 ± 0.05620	0.16731	-4.1
2011 99.0 to 2011 199.0	-3.62596 ± 0.08287	0.44651	-11.0
2011 133.0 to 2011 233.0	-3.60583 ± 0.10238	0.46664	-11.5
2011 167.0 to 2011 267.0	-3.77830 ± 0.14622	0.29417	-7.2
2011 201.0 to 2011 301.0	-4.11859 ± 0.11769	-0.04612	1.1
2011 235.0 to 2011 335.0	-4.25606 ± 0.07482	-0.18359	4.5
2011 269.0 to 2012 4.0	-4.27358 ± 0.04581	-0.20111	4.9

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	6.24 ± 0.04	39.8 ± 0.4	0.12	1.9
2009 57.0 to 2009 157.0	6.12 ± 0.05	39.6 ± 0.5	0.07	1.2
2009 81.0 to 2009 181.0	6.09 ± 0.06	39.8 ± 0.6	0.07	1.1
2009 105.0 to 2009 205.0	5.93 ± 0.06	40.0 ± 0.6	0.20	3.3
2009 129.0 to 2009 229.0	5.94 ± 0.07	40.2 ± 0.7	0.19	3.1
2009 153.0 to 2009 253.0	5.95 ± 0.06	40.2 ± 0.6	0.18	3.0
2009 177.0 to 2009 277.0	6.00 ± 0.07	40.8 ± 0.7	0.14	2.3
2009 201.0 to 2009 301.0	6.09 ± 0.06	40.6 ± 0.6	0.05	0.9
2009 225.0 to 2009 325.0	6.04 ± 0.06	40.7 ± 0.6	0.10	1.7
2009 249.0 to 2009 349.0	6.06 ± 0.08	40.7 ± 0.8	0.09	1.4
2009 285.0 to 2010 20.0	6.03 ± 0.05	41.0 ± 0.5	0.13	2.1
2009 319.0 to 2010 54.0	6.03 ± 0.04	40.6 ± 0.4	0.11	1.8
2009 353.0 to 2010 88.0	6.03 ± 0.03	40.6 ± 0.3	0.11	1.8
2010 22.0 to 2010 122.0	6.02 ± 0.03	40.0 ± 0.3	0.12	1.9
2010 56.0 to 2010 156.0	6.13 ± 0.05	40.3 ± 0.5	0.00	0.1
2010 90.0 to 2010 190.0	6.15 ± 0.06	40.1 ± 0.6	0.03	0.4
2010 124.0 to 2010 224.0	6.25 ± 0.07	40.0 ± 0.6	0.12	2.0
2010 158.0 to 2010 258.0	6.21 ± 0.06	40.0 ± 0.6	0.08	1.3
2010 192.0 to 2010 292.0	6.21 ± 0.06	40.6 ± 0.6	0.08	1.4
2010 226.0 to 2010 326.0	6.16 ± 0.06	40.5 ± 0.6	0.04	0.6
2010 260.0 to 2010 360.0	6.18 ± 0.05	40.9 ± 0.5	0.08	1.3
2010 294.0 to 2011 29.0	6.12 ± 0.04	41.2 ± 0.4	0.10	1.6
2010 328.0 to 2011 63.0	6.14 ± 0.04	41.1 ± 0.4	0.09	1.4
2010 362.0 to 2011 97.0	6.17 ± 0.04	40.7 ± 0.4	0.06	1.0
2011 31.0 to 2011 131.0	6.23 ± 0.04	39.9 ± 0.4	0.11	1.7
2011 65.0 to 2011 165.0	6.24 ± 0.04	39.1 ± 0.4	0.17	2.7
2011 99.0 to 2011 199.0	6.26 ± 0.05	38.9 ± 0.5	0.20	3.2
2011 133.0 to 2011 233.0	6.25 ± 0.05	39.6 ± 0.5	0.14	2.3
2011 167.0 to 2011 267.0	6.27 ± 0.06	40.0 ± 0.5	0.14	2.3
2011 201.0 to 2011 301.0	6.28 ± 0.06	40.4 ± 0.5	0.15	2.4
2011 235.0 to 2011 335.0	6.26 ± 0.04	40.4 ± 0.4	0.13	2.1
2011 269.0 to 2012 4.0	6.34 ± 0.03	40.2 ± 0.3	0.21	3.4

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	3.02 ± 0.09	0.8 ± 1.7	0.26	9.4
2009 57.0 to 2009 157.0	2.86 ± 0.11	1.1 ± 2.2	0.16	5.5
2009 81.0 to 2009 181.0	2.80 ± 0.13	6.7 ± 2.7	0.13	4.5
2009 105.0 to 2009 205.0	2.83 ± 0.14	8.2 ± 2.8	0.20	7.2
2009 129.0 to 2009 229.0	2.74 ± 0.16	6.0 ± 3.3	0.12	4.2
2009 153.0 to 2009 253.0	2.90 ± 0.15	4.4 ± 3.0	0.08	3.0
2009 177.0 to 2009 277.0	2.84 ± 0.15	5.7 ± 3.0	0.08	2.9
2009 201.0 to 2009 301.0	2.76 ± 0.14	3.4 ± 2.9	0.07	2.4
2009 225.0 to 2009 325.0	2.83 ± 0.14	3.3 ± 2.8	0.04	1.5
2009 249.0 to 2009 349.0	2.98 ± 0.18	2.1 ± 3.5	0.19	6.8
2009 285.0 to 2010 20.0	2.96 ± 0.11	4.5 ± 2.1	0.14	5.1
2009 319.0 to 2010 54.0	2.97 ± 0.09	1.1 ± 1.7	0.22	7.7
2009 353.0 to 2010 88.0	2.94 ± 0.07	-0.4 ± 1.4	0.26	9.2
2010 22.0 to 2010 122.0	2.88 ± 0.07	2.1 ± 1.4	0.12	4.2
2010 56.0 to 2010 156.0	2.76 ± 0.11	4.2 ± 2.3	0.06	2.0
2010 90.0 to 2010 190.0	2.77 ± 0.13	5.5 ± 2.7	0.08	2.9
2010 124.0 to 2010 224.0	2.81 ± 0.16	0.3 ± 3.3	0.19	6.7
2010 158.0 to 2010 258.0	2.93 ± 0.15	2.1 ± 2.9	0.15	5.4
2010 192.0 to 2010 292.0	2.92 ± 0.15	3.2 ± 2.9	0.11	4.0
2010 226.0 to 2010 326.0	2.86 ± 0.14	4.1 ± 2.8	0.04	1.5
2010 260.0 to 2010 360.0	2.75 ± 0.10	5.3 ± 2.1	0.09	3.1
2010 294.0 to 2011 29.0	2.68 ± 0.09	3.6 ± 1.9	0.14	4.9
2010 328.0 to 2011 63.0	2.71 ± 0.09	8.1 ± 1.9	0.22	7.8
2010 362.0 to 2011 97.0	2.68 ± 0.08	7.0 ± 1.7	0.19	6.9
2011 31.0 to 2011 131.0	2.82 ± 0.08	7.1 ± 1.6	0.15	5.2
2011 65.0 to 2011 165.0	2.84 ± 0.08	3.7 ± 1.6	0.03	1.1
2011 99.0 to 2011 199.0	2.70 ± 0.11	0.7 ± 2.3	0.20	7.2
2011 133.0 to 2011 233.0	2.66 ± 0.12	2.6 ± 2.6	0.17	6.1
2011 167.0 to 2011 267.0	2.78 ± 0.14	4.1 ± 2.9	0.04	1.3
2011 201.0 to 2011 301.0	2.87 ± 0.13	9.3 ± 2.6	0.26	9.3
2011 235.0 to 2011 335.0	2.76 ± 0.10	6.9 ± 2.1	0.15	5.2
2011 269.0 to 2012 4.0	2.65 ± 0.07	12.0 ± 1.5	0.41	14.6

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	4.77 ± 0.39	179.9 ± 4.7	3.61	120.8
2009 57.0 to 2009 157.0	1.92 ± 0.46	98.2 ± 13.7	1.72	57.4
2009 81.0 to 2009 181.0	2.57 ± 0.52	98.7 ± 11.6	1.58	53.0
2009 105.0 to 2009 205.0	3.20 ± 0.57	-148.4 ± 10.2	4.02	134.4
2009 129.0 to 2009 229.0	2.64 ± 0.67	92.9 ± 14.5	1.85	62.0
2009 153.0 to 2009 253.0	4.98 ± 0.61	133.1 ± 7.0	2.00	66.7
2009 177.0 to 2009 277.0	2.39 ± 0.63	116.6 ± 15.1	0.89	29.7
2009 201.0 to 2009 301.0	4.24 ± 0.74	94.9 ± 10.0	2.52	84.2
2009 225.0 to 2009 325.0	6.93 ± 0.93	153.6 ± 7.7	4.33	144.9
2009 249.0 to 2009 349.0	9.86 ± 3.18	160.0 ± 18.5	7.40	247.3
2009 285.0 to 2010 20.0	5.47 ± 0.45	158.1 ± 4.7	3.13	104.8
2009 319.0 to 2010 54.0	4.49 ± 0.38	147.2 ± 4.8	1.83	61.2
2009 353.0 to 2010 88.0	3.33 ± 0.28	139.6 ± 4.8	0.60	19.9
2010 22.0 to 2010 122.0	2.16 ± 0.29	167.8 ± 7.7	1.82	60.8
2010 56.0 to 2010 156.0	1.55 ± 0.44	153.3 ± 16.3	1.67	55.8
2010 90.0 to 2010 190.0	2.29 ± 0.55	104.0 ± 13.8	1.40	46.7
2010 124.0 to 2010 224.0	2.33 ± 0.64	103.2 ± 15.7	1.42	47.4
2010 158.0 to 2010 258.0	2.59 ± 0.62	102.1 ± 13.7	1.43	47.9
2010 192.0 to 2010 292.0	5.33 ± 0.62	111.4 ± 6.7	2.69	90.1
2010 226.0 to 2010 326.0	4.39 ± 0.55	108.9 ± 7.2	1.96	65.4
2010 260.0 to 2010 360.0	5.25 ± 0.42	111.8 ± 4.6	2.61	87.1
2010 294.0 to 2011 29.0	4.23 ± 0.37	157.5 ± 5.0	2.06	69.0
2010 328.0 to 2011 63.0	6.14 ± 0.35	130.1 ± 3.3	3.15	105.3
2010 362.0 to 2011 97.0	2.88 ± 0.34	165.0 ± 6.8	1.74	58.0
2011 31.0 to 2011 131.0	2.55 ± 0.32	150.0 ± 7.2	1.03	34.3
2011 65.0 to 2011 165.0	2.75 ± 0.34	163.7 ± 7.1	1.65	55.1
2011 99.0 to 2011 199.0	1.04 ± 0.45	70.1 ± 24.8	2.64	88.3
2011 133.0 to 2011 233.0	3.58 ± 0.49	109.3 ± 7.8	1.35	45.1
2011 167.0 to 2011 267.0	2.24 ± 0.60	82.9 ± 15.3	2.23	74.5
2011 201.0 to 2011 301.0	4.43 ± 0.54	120.0 ± 7.0	1.59	53.2
2011 235.0 to 2011 335.0	4.50 ± 0.41	98.5 ± 5.2	2.53	84.7
2011 269.0 to 2012 4.0	4.22 ± 0.28	152.9 ± 3.8	1.84	61.5

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	2.28 ± 0.17	-159.4 ± 4.3	0.23	11.0
2009 57.0 to 2009 157.0	2.89 ± 0.19	-143.4 ± 3.8	0.92	43.6
2009 81.0 to 2009 181.0	2.32 ± 0.22	-166.5 ± 5.4	0.49	22.9
2009 105.0 to 2009 205.0	1.45 ± 0.24	-141.7 ± 9.5	0.78	36.9
2009 129.0 to 2009 229.0	1.73 ± 0.28	-136.4 ± 9.3	0.73	34.6
2009 153.0 to 2009 253.0	2.04 ± 0.25	-160.2 ± 7.0	0.20	9.5
2009 177.0 to 2009 277.0	2.15 ± 0.26	-145.0 ± 6.9	0.38	17.8
2009 201.0 to 2009 301.0	2.23 ± 0.29	-143.9 ± 7.5	0.44	20.7
2009 225.0 to 2009 325.0	2.15 ± 0.35	-166.8 ± 9.3	0.44	20.6
2009 249.0 to 2009 349.0	2.69 ± 0.88	172.6 ± 18.7	1.45	68.3
2009 285.0 to 2010 20.0	2.29 ± 0.19	-162.2 ± 4.8	0.32	15.3
2009 319.0 to 2010 54.0	2.83 ± 0.16	-155.2 ± 3.2	0.71	33.7
2009 353.0 to 2010 88.0	2.20 ± 0.12	-167.7 ± 3.1	0.48	22.7
2010 22.0 to 2010 122.0	2.39 ± 0.13	-147.9 ± 3.1	0.39	18.6
2010 56.0 to 2010 156.0	1.90 ± 0.19	-171.2 ± 5.7	0.60	28.4
2010 90.0 to 2010 190.0	2.03 ± 0.23	-149.5 ± 6.5	0.22	10.4
2010 124.0 to 2010 224.0	2.29 ± 0.27	-143.2 ± 6.8	0.49	23.1
2010 158.0 to 2010 258.0	1.85 ± 0.26	-151.2 ± 8.1	0.30	14.1
2010 192.0 to 2010 292.0	1.93 ± 0.26	-136.9 ± 7.7	0.67	31.5
2010 226.0 to 2010 326.0	2.40 ± 0.23	-155.4 ± 5.5	0.28	13.4
2010 260.0 to 2010 360.0	2.60 ± 0.18	-139.7 ± 4.0	0.79	37.5
2010 294.0 to 2011 29.0	2.63 ± 0.15	-164.1 ± 3.3	0.63	29.9
2010 328.0 to 2011 63.0	2.18 ± 0.15	-162.0 ± 3.9	0.27	12.6
2010 362.0 to 2011 97.0	2.34 ± 0.14	-156.8 ± 3.4	0.23	11.0
2011 31.0 to 2011 131.0	1.80 ± 0.14	-173.3 ± 4.5	0.69	32.8
2011 65.0 to 2011 165.0	2.06 ± 0.14	-154.4 ± 3.9	0.06	2.9
2011 99.0 to 2011 199.0	1.92 ± 0.19	-146.9 ± 5.7	0.35	16.5
2011 133.0 to 2011 233.0	1.25 ± 0.20	-150.7 ± 9.2	0.88	41.4
2011 167.0 to 2011 267.0	1.82 ± 0.25	-152.6 ± 7.9	0.31	14.6
2011 201.0 to 2011 301.0	2.69 ± 0.22	-137.4 ± 4.7	0.93	44.0
2011 235.0 to 2011 335.0	2.15 ± 0.17	-151.0 ± 4.5	0.16	7.4
2011 269.0 to 2012 4.0	2.58 ± 0.12	-161.7 ± 2.7	0.54	25.3