B078CH3 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	-3.76620 ± 0.06300	0.00000	-0.0
2009 57.0 to 2009 157.0	-3.64465 ± 0.06179	0.12155	-3.2
2009 81.0 to 2009 181.0	-3.57741 ± 0.06333	0.18879	-5.0
2009 105.0 to 2009 205.0	-3.44571 ± 0.07031	0.32049	-8.5
2009 129.0 to 2009 229.0	-3.38538 ± 0.08293	0.38082	-10.1
2009 153.0 to 2009 253.0	-3.37211 ± 0.08445	0.39409	-10.5
2009 177.0 to 2009 277.0	-3.46564 ± 0.09133	0.30056	-8.0
2009 201.0 to 2009 301.0	-3.78187 ± 0.08933	-0.01567	0.4
2009 225.0 to 2009 325.0	-3.96948 ± 0.06949	-0.20328	5.4
2009 249.0 to 2009 349.0	-4.02801 ± 0.08247	-0.26181	7.0
2009 285.0 to 2010 20.0	-3.94804 ± 0.04143	-0.18184	4.8
2009 319.0 to 2010 54.0	-3.85657 ± 0.04104	-0.09037	2.4
2009 353.0 to 2010 88.0	-3.83535 ± 0.03774	-0.06915	1.8
2010 22.0 to 2010 122.0	-3.78166 ± 0.04094	-0.01546	0.4
2010 56.0 to 2010 156.0	-3.69209 ± 0.05576	0.07411	-2.0
2010 90.0 to 2010 190.0	-3.54977 ± 0.06775	0.21643	-5.7
2010 124.0 to 2010 224.0	-3.30357 ± 0.08490	0.46263	-12.3
2010 158.0 to 2010 258.0	-3.34472 ± 0.08503	0.42148	-11.2
2010 192.0 to 2010 292.0	-3.52187 ± 0.08909	0.24433	-6.5
2010 226.0 to 2010 326.0	-3.89781 ± 0.06450	-0.13161	3.5
2010 260.0 to 2010 360.0	-3.96042 ± 0.04312	-0.19422	5.2
2010 294.0 to 2011 29.0	-3.91927 ± 0.04397	-0.15307	4.1
2010 328.0 to 2011 63.0	-3.86272 ± 0.04051	-0.09652	2.6
2010 362.0 to 2011 97.0	-3.84252 ± 0.04625	-0.07632	2.0
2011 31.0 to 2011 131.0	-3.73183 ± 0.04548	0.03437	-0.9
2011 65.0 to 2011 165.0	-3.60421 ± 0.04603	0.16199	-4.3
2011 99.0 to 2011 199.0	-3.37272 ± 0.05326	0.39348	-10.4
2011 133.0 to 2011 233.0	-3.36406 ± 0.06060	0.40214	-10.7
2011 167.0 to 2011 267.0	-3.52560 ± 0.09537	0.24060	-6.4
2011 201.0 to 2011 301.0	-3.79190 ± 0.08107	-0.02570	0.7
2011 235.0 to 2011 335.0	-3.81216 ± 0.04628	-0.04596	1.2
2011 269.0 to 2012 4.0	-3.87963 ± 0.03703	-0.11343	3.0
2011 303.0 to 2012 38.0	-3.84165 ± 0.03655	-0.07545	2.0

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	6.04 ± 0.04	34.3 ± 0.4	0.00	0.0
2009 57.0 to 2009 157.0	5.98 ± 0.04	34.0 ± 0.4	0.07	1.1
2009 81.0 to 2009 181.0	5.95 ± 0.03	33.9 ± 0.3	0.10	1.6
2009 105.0 to 2009 205.0	5.85 ± 0.03	33.9 ± 0.3	0.19	3.2
2009 129.0 to 2009 229.0	5.83 ± 0.04	33.9 ± 0.4	0.21	3.5
2009 153.0 to 2009 253.0	5.85 ± 0.04	34.1 ± 0.4	0.19	3.2
2009 177.0 to 2009 277.0	5.88 ± 0.04	34.7 ± 0.4	0.16	2.7
2009 201.0 to 2009 301.0	5.92 ± 0.04	34.7 ± 0.4	0.13	2.1
2009 225.0 to 2009 325.0	5.91 ± 0.04	34.8 ± 0.4	0.14	2.3
2009 249.0 to 2009 349.0	5.90 ± 0.05	34.5 ± 0.5	0.14	2.3
2009 285.0 to 2010 20.0	5.90 ± 0.03	34.6 ± 0.3	0.14	2.4
2009 319.0 to 2010 54.0	5.91 ± 0.04	34.2 ± 0.4	0.13	2.1
2009 353.0 to 2010 88.0	5.93 ± 0.03	34.2 ± 0.3	0.11	1.8
2010 22.0 to 2010 122.0	5.94 ± 0.03	33.8 ± 0.3	0.11	1.9
2010 56.0 to 2010 156.0	6.03 ± 0.04	34.3 ± 0.4	0.01	0.2
2010 90.0 to 2010 190.0	6.06 ± 0.04	34.4 ± 0.4	0.02	0.4
2010 124.0 to 2010 224.0	6.15 ± 0.04	34.3 ± 0.4	0.11	1.8
2010 158.0 to 2010 258.0	6.11 ± 0.04	34.1 ± 0.4	0.07	1.2
2010 192.0 to 2010 292.0	6.10 ± 0.04	34.3 ± 0.4	0.06	1.0
2010 226.0 to 2010 326.0	6.06 ± 0.03	34.5 ± 0.3	0.03	0.5
2010 260.0 to 2010 360.0	6.09 ± 0.03	35.0 ± 0.3	0.09	1.5
2010 294.0 to 2011 29.0	6.06 ± 0.04	35.1 ± 0.4	0.09	1.4
2010 328.0 to 2011 63.0	6.05 ± 0.03	35.1 ± 0.3	0.08	1.4
2010 362.0 to 2011 97.0	6.09 ± 0.04	34.8 ± 0.4	0.07	1.2
2011 31.0 to 2011 131.0	6.10 ± 0.03	34.4 ± 0.3	0.06	1.0
2011 65.0 to 2011 165.0	6.10 ± 0.03	33.6 ± 0.3	0.10	1.6
2011 99.0 to 2011 199.0	6.13 ± 0.03	33.7 ± 0.3	0.11	1.8
2011 133.0 to 2011 233.0	6.13 ± 0.03	33.8 ± 0.3	0.11	1.7
2011 167.0 to 2011 267.0	6.15 ± 0.04	34.3 ± 0.4	0.11	1.8
2011 201.0 to 2011 301.0	6.14 ± 0.04	34.5 ± 0.4	0.10	1.7
2011 235.0 to 2011 335.0	6.12 ± 0.03	34.5 ± 0.3	0.08	1.4
2011 269.0 to 2012 4.0	6.20 ± 0.03	34.4 ± 0.3	0.16	2.7
2011 303.0 to 2012 38.0	6.17 ± 0.03	34.6 ± 0.3	0.13	2.2

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	4.34 ± 0.09	-3.9 ± 1.2	0.36	8.9
2009 57.0 to 2009 157.0	4.24 ± 0.08	-3.9 ± 1.1	0.30	7.4
2009 81.0 to 2009 181.0	4.16 ± 0.08	-0.7 ± 1.1	0.08	1.9
2009 105.0 to 2009 205.0	4.16 ± 0.08	-0.4 ± 1.1	0.07	1.7
2009 129.0 to 2009 229.0	4.09 ± 0.09	-1.2 ± 1.3	0.06	1.6
2009 153.0 to 2009 253.0	4.21 ± 0.09	-1.1 ± 1.2	0.13	3.3
2009 177.0 to 2009 277.0	4.12 ± 0.09	-0.3 ± 1.3	0.03	0.8
2009 201.0 to 2009 301.0	4.15 ± 0.09	-0.5 ± 1.2	0.06	1.5
2009 225.0 to 2009 325.0	4.22 ± 0.09	0.1 ± 1.2	0.13	3.3
2009 249.0 to 2009 349.0	4.27 ± 0.11	0.6 ± 1.5	0.19	4.7
2009 285.0 to 2010 20.0	4.21 ± 0.07	-0.5 ± 1.0	0.12	3.0
2009 319.0 to 2010 54.0	4.26 ± 0.08	-3.4 ± 1.1	0.28	6.9
2009 353.0 to 2010 88.0	4.19 ± 0.07	-3.9 ± 1.0	0.28	6.8
2010 22.0 to 2010 122.0	4.14 ± 0.06	-2.3 ± 0.8	0.15	3.7
2010 56.0 to 2010 156.0	3.99 ± 0.08	0.0 ± 1.1	0.10	2.5
2010 90.0 to 2010 190.0	4.00 ± 0.09	1.3 ± 1.3	0.14	3.5
2010 124.0 to 2010 224.0	4.03 ± 0.09	-1.4 ± 1.3	0.10	2.4
2010 158.0 to 2010 258.0	4.12 ± 0.09	-0.6 ± 1.3	0.04	0.9
2010 192.0 to 2010 292.0	4.16 ± 0.09	-0.3 ± 1.2	0.07	1.7
2010 226.0 to 2010 326.0	4.15 ± 0.08	-0.1 ± 1.1	0.06	1.5
2010 260.0 to 2010 360.0	4.00 ± 0.07	0.2 ± 1.0	0.10	2.3
2010 294.0 to 2011 29.0	3.94 ± 0.08	-1.1 ± 1.2	0.16	3.9
2010 328.0 to 2011 63.0	3.93 ± 0.08	1.0 ± 1.2	0.18	4.5
2010 362.0 to 2011 97.0	3.88 ± 0.08	0.5 ± 1.2	0.22	5.3
2011 31.0 to 2011 131.0	3.90 ± 0.07	2.2 ± 1.0	0.26	6.3
2011 65.0 to 2011 165.0	3.97 ± 0.07	0.5 ± 1.0	0.13	3.2
2011 99.0 to 2011 199.0	3.91 ± 0.07	-0.6 ± 1.0	0.18	4.4
2011 133.0 to 2011 233.0	3.90 ± 0.07	0.2 ± 1.0	0.19	4.7
2011 167.0 to 2011 267.0	3.92 ± 0.09	0.5 ± 1.3	0.18	4.4
2011 201.0 to 2011 301.0	3.89 ± 0.08	3.2 ± 1.2	0.31	7.7
2011 235.0 to 2011 335.0	3.85 ± 0.06	3.0 ± 0.9	0.33	8.1
2011 269.0 to 2012 4.0	3.78 ± 0.05	6.1 ± 0.8	0.54	13.1
2011 303.0 to 2012 38.0	3.68 ± 0.06	3.6 ± 0.9	0.49	11.9

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	5.18 ± 0.36	162.7 ± 4.0	2.57	53.5
2009 57.0 to 2009 157.0	2.75 ± 0.32	129.9 ± 6.7	2.06	42.9
2009 81.0 to 2009 181.0	3.64 ± 0.32	133.2 ± 5.0	1.16	24.1
2009 105.0 to 2009 205.0	3.63 ± 0.32	165.5 ± 5.1	2.60	54.2
2009 129.0 to 2009 229.0	3.79 ± 0.36	112.7 ± 5.4	1.82	38.0
2009 153.0 to 2009 253.0	5.53 ± 0.35	128.0 ± 3.6	0.87	18.1
2009 177.0 to 2009 277.0	4.36 ± 0.37	124.0 ± 4.9	0.85	17.8
2009 201.0 to 2009 301.0	5.64 ± 0.44	108.9 ± 4.5	2.35	48.9
2009 225.0 to 2009 325.0	6.97 ± 0.56	140.1 ± 4.6	2.28	47.6
2009 249.0 to 2009 349.0	9.66 ± 1.96	162.5 ± 11.6	5.96	124.3
2009 285.0 to 2010 20.0	6.57 ± 0.28	153.5 ± 2.4	2.66	55.4
2009 319.0 to 2010 54.0	6.40 ± 0.32	141.9 ± 2.9	1.81	37.8
2009 353.0 to 2010 88.0	4.55 ± 0.28	142.2 ± 3.5	0.77	16.1
2010 22.0 to 2010 122.0	4.06 ± 0.26	157.6 ± 3.7	2.01	41.8
2010 56.0 to 2010 156.0	2.79 ± 0.33	145.4 ± 6.8	2.15	44.9
2010 90.0 to 2010 190.0	3.60 ± 0.36	123.3 ± 5.7	1.39	29.1
2010 124.0 to 2010 224.0	3.37 ± 0.38	119.7 ± 6.5	1.71	35.7
2010 158.0 to 2010 258.0	4.31 ± 0.35	114.4 ± 4.7	1.56	32.6
2010 192.0 to 2010 292.0	5.96 ± 0.35	114.1 ± 3.4	2.12	44.2
2010 226.0 to 2010 326.0	6.14 ± 0.32	122.2 ± 3.0	1.70	35.4
2010 260.0 to 2010 360.0	6.74 ± 0.28	112.9 ± 2.4	2.79	58.2
2010 294.0 to 2011 29.0	5.41 ± 0.33	157.9 ± 3.5	2.26	47.2
2010 328.0 to 2011 63.0	7.87 ± 0.31	132.3 ± 2.3	3.08	64.1
2010 362.0 to 2011 97.0	3.94 ± 0.32	154.6 ± 4.7	1.83	38.1
2011 31.0 to 2011 131.0	4.41 ± 0.29	148.2 ± 3.8	1.26	26.3
2011 65.0 to 2011 165.0	3.64 ± 0.28	154.4 ± 4.4	1.92	40.1
2011 99.0 to 2011 199.0	2.69 ± 0.28	116.9 ± 6.0	2.34	48.8
2011 133.0 to 2011 233.0	4.26 ± 0.28	121.0 ± 3.8	1.10	22.9
2011 167.0 to 2011 267.0	4.04 ± 0.38	105.5 ± 5.4	2.24	46.7
2011 201.0 to 2011 301.0	5.83 ± 0.34	125.0 ± 3.3	1.28	26.7
2011 235.0 to 2011 335.0	6.00 ± 0.25	113.7 ± 2.4	2.18	45.4
2011 269.0 to 2012 4.0	6.10 ± 0.23	143.9 ± 2.2	1.65	34.4
2011 303.0 to 2012 38.0	7.18 ± 0.25	136.9 ± 2.0	2.41	50.3

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	1.80 ± 0.16	-164.9 ± 5.1	0.24	13.7
2009 57.0 to 2009 157.0	2.01 ± 0.14	-150.9 ± 4.0	0.34	19.3
2009 81.0 to 2009 181.0	1.80 ± 0.13	-164.2 ± 4.1	0.22	12.5
2009 105.0 to 2009 205.0	1.21 ± 0.13	-149.6 ± 6.2	0.57	32.7
2009 129.0 to 2009 229.0	1.17 ± 0.15	-144.4 ± 7.3	0.66	37.8
2009 153.0 to 2009 253.0	1.44 ± 0.14	-163.8 ± 5.6	0.35	20.3
2009 177.0 to 2009 277.0	1.82 ± 0.15	-145.9 ± 4.7	0.36	20.8
2009 201.0 to 2009 301.0	1.84 ± 0.17	-151.5 ± 5.3	0.21	11.8
2009 225.0 to 2009 325.0	1.62 ± 0.21	-163.5 ± 7.4	0.22	12.6
2009 249.0 to 2009 349.0	1.64 ± 0.55	-146.2 ± 19.2	0.35	19.8
2009 285.0 to 2010 20.0	1.96 ± 0.12	-158.1 ± 3.5	0.22	12.3
2009 319.0 to 2010 54.0	1.92 ± 0.14	-164.9 ± 4.2	0.30	17.0
2009 353.0 to 2010 88.0	1.77 ± 0.12	-177.1 ± 3.9	0.60	34.6
2010 22.0 to 2010 122.0	2.03 ± 0.12	-148.5 ± 3.4	0.41	23.3
2010 56.0 to 2010 156.0	1.35 ± 0.14	-171.9 ± 5.9	0.56	31.8
2010 90.0 to 2010 190.0	1.57 ± 0.15	-151.5 ± 5.5	0.24	14.0
2010 124.0 to 2010 224.0	1.66 ± 0.16	-144.6 ± 5.5	0.39	22.2
2010 158.0 to 2010 258.0	1.53 ± 0.15	-147.2 ± 5.6	0.36	20.7
2010 192.0 to 2010 292.0	1.62 ± 0.15	-143.2 ± 5.3	0.43	24.8
2010 226.0 to 2010 326.0	1.86 ± 0.14	-158.8 ± 4.3	0.12	7.0
2010 260.0 to 2010 360.0	2.20 ± 0.12	-139.4 ± 3.1	0.76	43.6
2010 294.0 to 2011 29.0	2.37 ± 0.14	-163.3 ± 3.4	0.66	37.7
2010 328.0 to 2011 63.0	1.72 ± 0.13	-170.6 ± 4.3	0.40	23.0
2010 362.0 to 2011 97.0	1.90 ± 0.14	-163.4 ± 4.2	0.25	14.1
2011 31.0 to 2011 131.0	1.49 ± 0.12	-172.3 ± 4.6	0.49	28.2
2011 65.0 to 2011 165.0	1.70 ± 0.12	-161.1 ± 4.0	0.12	7.0
2011 99.0 to 2011 199.0	1.50 ± 0.12	-148.3 ± 4.6	0.35	20.3
2011 133.0 to 2011 233.0	1.22 ± 0.12	-153.6 ± 5.6	0.53	30.6
2011 167.0 to 2011 267.0	1.47 ± 0.16	-152.9 ± 6.2	0.30	17.3
2011 201.0 to 2011 301.0	2.18 ± 0.16	-143.4 ± 4.2	0.64	36.8
2011 235.0 to 2011 335.0	1.76 ± 0.10	-157.9 ± 3.3	0.02	1.3
2011 269.0 to 2012 4.0	2.40 ± 0.10	-165.5 ± 2.4	0.72	41.0
2011 303.0 to 2012 38.0	1.93 ± 0.11	-146.6 ± 3.3	0.39	22.3