B078CH0 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	-4.92864 ± 0.06290	0.03430	-0.7
2009 57.0 to 2009 157.0	-4.71596 ± 0.06294	0.24698	-5.0
2009 81.0 to 2009 181.0	-4.72307 ± 0.06464	0.23987	-4.8
2009 105.0 to 2009 205.0	-4.68049 ± 0.07200	0.28245	-5.7
2009 129.0 to 2009 229.0	-4.75205 ± 0.09542	0.21089	-4.2
2009 153.0 to 2009 253.0	-4.81287 ± 0.09093	0.15007	-3.0
2009 177.0 to 2009 277.0	-4.96294 ± 0.09286	0.00000	-0.0
2009 201.0 to 2009 301.0	-4.98320 ± 0.07634	-0.02026	0.4
2009 225.0 to 2009 325.0	-5.14485 ± 0.07182	-0.18191	3.7
2009 249.0 to 2009 349.0	-5.20053 ± 0.08789	-0.23759	4.8
2009 285.0 to 2010 20.0	-5.11625 ± 0.04379	-0.15331	3.1
2009 319.0 to 2010 54.0	-4.96872 ± 0.04669	-0.00578	0.1
2009 353.0 to 2010 88.0	-4.94734 ± 0.04212	0.01560	-0.3
2010 22.0 to 2010 122.0	-4.97377 ± 0.04592	-0.01083	0.2
2010 56.0 to 2010 156.0	-4.90643 ± 0.05146	0.05651	-1.1
2010 90.0 to 2010 190.0	-4.82824 ± 0.06281	0.13470	-2.7
2010 124.0 to 2010 224.0	-4.56166 ± 0.07792	0.40128	-8.1
2010 158.0 to 2010 258.0	-4.67538 ± 0.08341	0.28756	-5.8
2010 192.0 to 2010 292.0	-4.72033 ± 0.09730	0.24261	-4.9
2010 226.0 to 2010 326.0	-5.08176 ± 0.07020	-0.11882	2.4
2010 260.0 to 2010 360.0	-5.21195 ± 0.04799	-0.24901	5.0
2010 294.0 to 2011 29.0	-5.15743 ± 0.05235	-0.19449	3.9
2010 328.0 to 2011 63.0	-5.09897 ± 0.04585	-0.13603	2.7
2010 362.0 to 2011 97.0	-5.07634 ± 0.04988	-0.11340	2.3
2011 31.0 to 2011 131.0	-5.02464 ± 0.05086	-0.06170	1.2
2011 65.0 to 2011 165.0	-5.04638 ± 0.04690	-0.08344	1.7
2011 99.0 to 2011 199.0	-4.89470 ± 0.05990	0.06824	-1.4
2011 133.0 to 2011 233.0	-4.89299 ± 0.07320	0.06995	-1.4
2011 167.0 to 2011 267.0	-4.85730 ± 0.10355	0.10564	-2.1
2011 201.0 to 2011 301.0	-5.04479 ± 0.09124	-0.08185	1.6
2011 235.0 to 2011 335.0	-5.04595 ± 0.05015	-0.08301	1.7
2011 269.0 to 2012 4.0	-5.12177 ± 0.04481	-0.15883	3.2

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	2.38 ± 0.04	-118.2 ± 1.0	0.04	1.7
2009 57.0 to 2009 157.0	2.33 ± 0.04	-118.0 ± 1.0	0.09	3.7
2009 81.0 to 2009 181.0	2.31 ± 0.03	-118.8 ± 0.7	0.10	4.2
2009 105.0 to 2009 205.0	2.31 ± 0.04	-117.8 ± 1.0	0.11	4.6
2009 129.0 to 2009 229.0	2.31 ± 0.04	-118.4 ± 1.0	0.10	4.3
2009 153.0 to 2009 253.0	2.31 ± 0.04	-118.4 ± 1.0	0.10	4.3
2009 177.0 to 2009 277.0	2.31 ± 0.04	-118.2 ± 1.0	0.10	4.3
2009 201.0 to 2009 301.0	2.30 ± 0.04	-118.4 ± 1.0	0.11	4.7
2009 225.0 to 2009 325.0	2.28 ± 0.04	-118.0 ± 1.0	0.14	5.6
2009 249.0 to 2009 349.0	2.28 ± 0.05	-117.2 ± 1.3	0.15	6.1
2009 285.0 to 2010 20.0	2.30 ± 0.03	-118.9 ± 0.7	0.11	4.6
2009 319.0 to 2010 54.0	2.37 ± 0.04	-118.7 ± 1.0	0.04	1.7
2009 353.0 to 2010 88.0	2.39 ± 0.04	-118.9 ± 1.0	0.02	0.9
2010 22.0 to 2010 122.0	2.42 ± 0.03	-119.6 ± 0.7	0.03	1.4
2010 56.0 to 2010 156.0	2.39 ± 0.03	-119.6 ± 0.7	0.04	1.6
2010 90.0 to 2010 190.0	2.44 ± 0.04	-120.0 ± 0.9	0.06	2.4
2010 124.0 to 2010 224.0	2.45 ± 0.04	-119.0 ± 0.9	0.04	1.6
2010 158.0 to 2010 258.0	2.51 ± 0.04	-118.8 ± 0.9	0.10	4.1
2010 192.0 to 2010 292.0	2.54 ± 0.04	-118.8 ± 0.9	0.13	5.3
2010 226.0 to 2010 326.0	2.56 ± 0.04	-120.5 ± 0.9	0.17	6.9
2010 260.0 to 2010 360.0	2.52 ± 0.03	-121.3 ± 0.7	0.15	6.3
2010 294.0 to 2011 29.0	2.53 ± 0.04	-121.5 ± 0.9	0.17	6.9
2010 328.0 to 2011 63.0	2.52 ± 0.04	-121.2 ± 0.9	0.15	6.2
2010 362.0 to 2011 97.0	2.51 ± 0.04	-120.2 ± 0.9	0.11	4.8
2011 31.0 to 2011 131.0	2.49 ± 0.03	-120.9 ± 0.7	0.12	4.9
2011 65.0 to 2011 165.0	2.55 ± 0.03	-120.5 ± 0.7	0.16	6.5
2011 99.0 to 2011 199.0	2.47 ± 0.03	-121.1 ± 0.7	0.11	4.7
2011 133.0 to 2011 233.0	2.48 ± 0.04	-119.0 ± 0.9	0.07	2.8
2011 167.0 to 2011 267.0	2.45 ± 0.05	-118.2 ± 1.2	0.05	1.9
2011 201.0 to 2011 301.0	2.50 ± 0.05	-117.2 ± 1.1	0.11	4.7
2011 235.0 to 2011 335.0	2.51 ± 0.03	-117.7 ± 0.7	0.11	4.5
2011 269.0 to 2012 4.0	2.46 ± 0.03	-118.2 ± 0.7	0.05	2.3

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	0.57 ± 0.09	-1.8 ± 9.0	0.19	38.9
2009 57.0 to 2009 157.0	0.67 ± 0.08	-3.5 ± 6.8	0.27	55.5
2009 81.0 to 2009 181.0	0.59 ± 0.08	-3.4 ± 7.8	0.22	44.0
2009 105.0 to 2009 205.0	0.53 ± 0.08	-10.7 ± 8.6	0.25	50.6
2009 129.0 to 2009 229.0	0.59 ± 0.10	-0.5 ± 9.7	0.19	39.2
2009 153.0 to 2009 253.0	0.65 ± 0.09	7.8 ± 7.9	0.18	37.4
2009 177.0 to 2009 277.0	0.66 ± 0.09	17.6 ± 7.8	0.17	34.4
2009 201.0 to 2009 301.0	0.87 ± 0.09	19.8 ± 5.9	0.38	77.4
2009 225.0 to 2009 325.0	0.88 ± 0.09	17.9 ± 5.9	0.39	79.2
2009 249.0 to 2009 349.0	0.85 ± 0.12	22.1 ± 8.1	0.36	73.9
2009 285.0 to 2010 20.0	0.58 ± 0.07	2.6 ± 6.9	0.16	32.9
2009 319.0 to 2010 54.0	0.61 ± 0.09	-14.0 ± 8.5	0.32	64.6
2009 353.0 to 2010 88.0	0.57 ± 0.08	-12.9 ± 8.0	0.29	58.1
2010 22.0 to 2010 122.0	0.54 ± 0.07	6.1 ± 7.4	0.11	22.5
2010 56.0 to 2010 156.0	0.43 ± 0.08	19.7 ± 10.7	0.06	13.1
2010 90.0 to 2010 190.0	0.42 ± 0.08	22.3 ± 10.9	0.08	16.7
2010 124.0 to 2010 224.0	0.31 ± 0.08	26.5 ± 14.8	0.19	39.1
2010 158.0 to 2010 258.0	0.39 ± 0.08	24.2 ± 11.8	0.11	23.3
2010 192.0 to 2010 292.0	0.42 ± 0.09	28.2 ± 12.3	0.11	22.9
2010 226.0 to 2010 326.0	0.38 ± 0.09	-3.5 ± 13.6	0.19	38.8
2010 260.0 to 2010 360.0	0.24 ± 0.08	8.8 ± 19.1	0.26	52.1
2010 294.0 to 2011 29.0	0.27 ± 0.10	-11.0 ± 21.2	0.28	57.7
2010 328.0 to 2011 63.0	0.37 ± 0.09	37.5 ± 13.9	0.19	39.3
2010 362.0 to 2011 97.0	0.38 ± 0.08	29.8 ± 12.1	0.15	29.8
2011 31.0 to 2011 131.0	0.50 ± 0.08	40.3 ± 9.2	0.20	40.5
2011 65.0 to 2011 165.0	0.51 ± 0.07	29.7 ± 7.9	0.11	22.6
2011 99.0 to 2011 199.0	0.49 ± 0.08	22.5 ± 9.4	0.05	9.3
2011 133.0 to 2011 233.0	0.47 ± 0.08	24.6 ± 9.8	0.07	13.4
2011 167.0 to 2011 267.0	0.45 ± 0.10	16.4 ± 12.7	0.04	8.5
2011 201.0 to 2011 301.0	0.49 ± 0.09	16.7 ± 10.5	0.00	0.8
2011 235.0 to 2011 335.0	0.59 ± 0.06	26.4 ± 5.8	0.13	26.8
2011 269.0 to 2012 4.0	0.56 ± 0.07	46.2 ± 7.2	0.27	55.3

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	1.44 ± 0.35	170.7 ± 13.9	0.77	110.0
2009 57.0 to 2009 157.0	1.22 ± 0.33	-116.5 ± 15.5	1.33	191.0
2009 81.0 to 2009 181.0	2.31 ± 0.32	-155.6 ± 7.9	1.87	269.0
2009 105.0 to 2009 205.0	1.09 ± 0.34	150.5 ± 17.9	0.42	60.7
2009 129.0 to 2009 229.0	0.73 ± 0.41	101.0 ± 32.2	0.71	101.7
2009 153.0 to 2009 253.0	0.35 ± 0.37	-7.3 ± 60.6	1.04	149.5
2009 177.0 to 2009 277.0	1.43 ± 0.37	117.3 ± 14.8	1.04	149.2
2009 201.0 to 2009 301.0	1.56 ± 0.46	95.3 ± 16.9	1.42	203.5
2009 225.0 to 2009 325.0	1.75 ± 0.57	39.2 ± 18.7	2.19	315.2
2009 249.0 to 2009 349.0	4.70 ± 2.08	-121.8 ± 25.4	4.60	661.4
2009 285.0 to 2010 20.0	1.36 ± 0.30	179.2 ± 12.6	0.74	105.7
2009 319.0 to 2010 54.0	2.37 ± 0.37	165.5 ± 8.9	1.68	241.1
2009 353.0 to 2010 88.0	0.75 ± 0.31	-179.9 ± 23.7	0.25	36.2
2010 22.0 to 2010 122.0	2.10 ± 0.30	-144.1 ± 8.2	1.80	258.5
2010 56.0 to 2010 156.0	1.01 ± 0.30	-111.5 ± 17.0	1.21	173.4
2010 90.0 to 2010 190.0	0.86 ± 0.33	-144.8 ± 22.0	0.73	104.9
2010 124.0 to 2010 224.0	0.54 ± 0.34	-159.0 ± 36.1	0.45	65.0
2010 158.0 to 2010 258.0	0.55 ± 0.34	118.4 ± 35.4	0.47	67.2
2010 192.0 to 2010 292.0	0.72 ± 0.38	65.8 ± 30.2	1.04	149.6
2010 226.0 to 2010 326.0	2.58 ± 0.35	139.7 ± 7.8	1.94	279.5
2010 260.0 to 2010 360.0	2.99 ± 0.31	62.3 ± 5.9	3.16	454.7
2010 294.0 to 2011 29.0	3.26 ± 0.39	-156.4 ± 6.9	2.79	401.3
2010 328.0 to 2011 63.0	3.88 ± 0.35	123.0 ± 5.2	3.35	482.0
2010 362.0 to 2011 97.0	1.70 ± 0.35	-122.1 ± 11.8	1.69	243.0
2011 31.0 to 2011 131.0	2.42 ± 0.32	-178.3 ± 7.6	1.79	257.1
2011 65.0 to 2011 165.0	1.07 ± 0.28	-79.9 ± 15.0	1.54	221.0
2011 99.0 to 2011 199.0	0.87 ± 0.32	-131.3 ± 21.1	0.89	127.9
2011 133.0 to 2011 233.0	0.86 ± 0.34	-130.2 ± 22.7	0.90	128.6
2011 167.0 to 2011 267.0	1.35 ± 0.40	91.2 ± 17.0	1.28	184.1
2011 201.0 to 2011 301.0	1.10 ± 0.39	124.4 ± 20.3	0.68	97.1
2011 235.0 to 2011 335.0	2.32 ± 0.26	117.9 ± 6.4	1.87	268.4
2011 269.0 to 2012 4.0	2.19 ± 0.27	155.8 ± 7.1	1.50	215.2

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	2.02 ± 0.16	44.2 ± 4.5	0.13	6.1
2009 57.0 to 2009 157.0	2.17 ± 0.14	41.9 ± 3.7	0.06	2.7
2009 81.0 to 2009 181.0	2.37 ± 0.13	39.5 ± 3.1	0.27	12.8
2009 105.0 to 2009 205.0	2.71 ± 0.14	39.5 ± 3.0	0.60	28.6
2009 129.0 to 2009 229.0	2.41 ± 0.17	38.3 ± 4.0	0.33	15.4
2009 153.0 to 2009 253.0	1.97 ± 0.15	34.0 ± 4.4	0.31	14.8
2009 177.0 to 2009 277.0	1.91 ± 0.15	27.5 ± 4.5	0.54	25.5
2009 201.0 to 2009 301.0	1.81 ± 0.18	39.9 ± 5.7	0.31	14.7
2009 225.0 to 2009 325.0	1.86 ± 0.22	35.4 ± 6.8	0.34	15.9
2009 249.0 to 2009 349.0	2.12 ± 0.58	6.8 ± 15.7	1.27	60.2
2009 285.0 to 2010 20.0	1.39 ± 0.13	55.9 ± 5.4	0.84	39.6
2009 319.0 to 2010 54.0	2.57 ± 0.16	51.2 ± 3.6	0.60	28.2
2009 353.0 to 2010 88.0	2.57 ± 0.14	59.0 ± 3.1	0.83	39.4
2010 22.0 to 2010 122.0	1.64 ± 0.13	41.1 ± 4.5	0.47	22.4
2010 56.0 to 2010 156.0	2.47 ± 0.13	46.2 ± 3.0	0.40	18.8
2010 90.0 to 2010 190.0	2.36 ± 0.14	40.4 ± 3.4	0.25	11.9
2010 124.0 to 2010 224.0	2.42 ± 0.14	34.7 ± 3.3	0.41	19.6
2010 158.0 to 2010 258.0	2.15 ± 0.14	33.0 ± 3.7	0.33	15.5
2010 192.0 to 2010 292.0	2.02 ± 0.16	29.0 ± 4.5	0.47	22.2
2010 226.0 to 2010 326.0	2.03 ± 0.15	41.6 ± 4.2	0.08	4.0
2010 260.0 to 2010 360.0	1.59 ± 0.14	33.5 ± 5.0	0.59	27.8
2010 294.0 to 2011 29.0	1.88 ± 0.16	69.5 ± 4.9	0.98	46.5
2010 328.0 to 2011 63.0	2.45 ± 0.15	56.7 ± 3.5	0.68	32.2
2010 362.0 to 2011 97.0	2.19 ± 0.15	54.7 ± 3.9	0.49	23.2
2011 31.0 to 2011 131.0	2.21 ± 0.14	44.5 ± 3.6	0.14	6.7
2011 65.0 to 2011 165.0	2.14 ± 0.12	53.2 ± 3.2	0.42	20.1
2011 99.0 to 2011 199.0	2.29 ± 0.13	39.0 ± 3.3	0.21	9.7
2011 133.0 to 2011 233.0	1.65 ± 0.14	40.1 ± 4.9	0.47	22.1
2011 167.0 to 2011 267.0	2.29 ± 0.18	34.3 ± 4.5	0.34	15.9
2011 201.0 to 2011 301.0	1.79 ± 0.18	48.0 ± 5.8	0.39	18.3
2011 235.0 to 2011 335.0	1.58 ± 0.11	44.8 ± 4.0	0.54	25.7
2011 269.0 to 2012 4.0	1.75 ± 0.13	72.0 ± 4.3	1.07	50.5