B079CH0 Comparison between current analysis and prior analysis

Pressure comparison			
time interval	Pressure Coef. counts/counts	Difference counts/counts	Percent change
2009 28.0 to 2009 128.0	-4.09203 ± 0.02923	0.01914	-0.5
2009 52.0 to 2009 152.0	-3.97506 ± 0.08016	0.13611	-3.3
2009 76.0 to 2009 176.0	-4.05910 ± 0.07320	0.05207	-1.3
2009 100.0 to 2009 200.0	-4.04759 ± 0.08548	0.06358	-1.5
2009 124.0 to 2009 224.0	-4.10536 ± 0.04255	0.00581	-0.1
2009 148.0 to 2009 248.0	-4.16329 ± 0.02628	-0.05212	1.3
2009 172.0 to 2009 272.0	-4.18798 ± 0.02595	-0.07681	1.9
2009 196.0 to 2009 296.0	-4.23775 ± 0.02281	-0.12658	3.1
2009 220.0 to 2009 320.0	-4.24779 ± 0.02429	-0.13662	3.3
2009 244.0 to 2009 344.0	-4.20242 ± 0.02088	-0.09125	2.2
2009 268.0 to 2010 3.0	-4.14913 ± 0.02597	-0.03796	0.9
2009 302.0 to 2010 37.0	-4.11117 ± 0.02568	0.00000	-0.0
2009 336.0 to 2010 71.0	-4.08091 ± 0.02770	0.03026	-0.7
2010 5.0 to 2010 105.0	-4.09910 ± 0.02671	0.01207	-0.3
2010 39.0 to 2010 139.0	-4.09635 ± 0.03041	0.01482	-0.4
2010 73.0 to 2010 173.0	-4.10600 ± 0.02765	0.00517	-0.1
2010 107.0 to 2010 207.0	-4.06758 ± 0.02505	0.04359	-1.1
2010 141.0 to 2010 241.0	-4.05654 ± 0.02625	0.05463	-1.3
2010 175.0 to 2010 275.0	-4.19375 ± 0.02667	-0.08258	2.0
2010 209.0 to 2010 309.0	-4.14528 ± 0.02264	-0.03411	0.8
2010 243.0 to 2010 343.0	-4.18922 ± 0.02185	-0.07805	1.9
2010 277.0 to 2011 12.0	-4.15323 ± 0.03473	-0.04206	1.0
2010 311.0 to 2011 46.0	-4.18980 ± 0.03144	-0.07863	1.9
2010 345.0 to 2011 80.0	-4.12246 ± 0.03611	-0.01129	0.3
2011 14.0 to 2011 114.0	-4.14303 ± 0.04239	-0.03186	0.8
2011 48.0 to 2011 148.0	-4.10280 ± 0.03753	0.00837	-0.2
2011 82.0 to 2011 182.0	-4.10059 ± 0.02368	0.01058	-0.3
2011 116.0 to 2011 216.0	-4.04384 ± 0.02345	0.06733	-1.6
2011 150.0 to 2011 250.0	-4.07435 ± 0.04778	0.03682	-0.9
2011 184.0 to 2011 284.0	-4.14186 ± 0.04905	-0.03069	0.7
2011 218.0 to 2011 318.0	-4.05075 ± 0.03742	0.06042	-1.5
2011 252.0 to 2011 352.0	-4.16233 ± 0.02476	-0.05116	1.2
2011 286.0 to 2012 21.0	-4.19369 ± 0.02460	-0.08252	2.0

Tidal comparson **M2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 28.0 to 2009 128.0	6.22 ± 0.02	52.7 ± 0.2	0.17	2.7
2009 52.0 to 2009 152.0	6.25 ± 0.04	52.5 ± 0.4	0.15	2.3
2009 76.0 to 2009 176.0	6.26 ± 0.04	52.5 ± 0.4	0.14	2.1
2009 100.0 to 2009 200.0	6.28 ± 0.04	52.6 ± 0.4	0.11	1.8
2009 124.0 to 2009 224.0	6.29 ± 0.02	52.8 ± 0.2	0.10	1.6
2009 148.0 to 2009 248.0	6.29 ± 0.01	52.9 ± 0.1	0.10	1.6
2009 172.0 to 2009 272.0	6.30 ± 0.01	53.0 ± 0.1	0.10	1.5
2009 196.0 to 2009 296.0	6.30 ± 0.01	53.1 ± 0.1	0.10	1.5
2009 220.0 to 2009 320.0	6.33 ± 0.01	53.1 ± 0.1	0.07	1.1
2009 244.0 to 2009 344.0	6.34 ± 0.01	53.2 ± 0.1	0.07	1.1
2009 268.0 to 2010 3.0	6.34 ± 0.02	53.4 ± 0.2	0.09	1.4
2009 302.0 to 2010 37.0	6.33 ± 0.02	53.6 ± 0.2	0.11	1.7
2009 336.0 to 2010 71.0	6.30 ± 0.03	53.3 ± 0.3	0.11	1.7
2010 5.0 to 2010 105.0	6.32 ± 0.02	52.7 ± 0.2	0.07	1.1
2010 39.0 to 2010 139.0	6.35 ± 0.02	52.1 ± 0.2	0.09	1.3
2010 73.0 to 2010 173.0	6.39 ± 0.02	52.2 ± 0.2	0.06	1.0
2010 107.0 to 2010 207.0	6.41 ± 0.01	52.4 ± 0.1	0.05	0.7
2010 141.0 to 2010 241.0	6.43 ± 0.01	52.8 ± 0.1	0.04	0.6
2010 175.0 to 2010 275.0	6.42 ± 0.01	52.9 ± 0.1	0.03	0.5
2010 209.0 to 2010 309.0	6.43 ± 0.01	53.1 ± 0.1	0.05	0.8
2010 243.0 to 2010 343.0	6.46 ± 0.01	53.3 ± 0.1	0.09	1.4
2010 277.0 to 2011 12.0	6.47 ± 0.03	53.3 ± 0.3	0.10	1.5
2010 311.0 to 2011 46.0	6.47 ± 0.03	53.1 ± 0.3	0.09	1.3
2010 345.0 to 2011 80.0	6.48 ± 0.03	52.5 ± 0.3	0.09	1.5
2011 14.0 to 2011 114.0	6.49 ± 0.03	52.0 ± 0.3	0.13	2.1
2011 48.0 to 2011 148.0	6.53 ± 0.02	51.5 ± 0.2	0.20	3.1
2011 82.0 to 2011 182.0	6.52 ± 0.01	51.2 ± 0.1	0.22	3.4
2011 116.0 to 2011 216.0	6.55 ± 0.01	51.0 ± 0.1	0.26	4.0
2011 150.0 to 2011 250.0	6.57 ± 0.03	51.9 ± 0.3	0.20	3.2
2011 184.0 to 2011 284.0	6.58 ± 0.04	52.7 ± 0.3	0.19	2.9
2011 218.0 to 2011 318.0	6.58 ± 0.04	53.4 ± 0.3	0.20	3.1
2011 252.0 to 2011 352.0	6.58 ± 0.02	53.2 ± 0.2	0.19	3.0
2011 286.0 to 2012 21.0	6.60 ± 0.02	53.1 ± 0.2	0.21	3.3

Tidal comparson **O1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 28.0 to 2009 128.0	0.98 ± 0.04	-58.7 ± 2.3	0.10	10.8
2009 52.0 to 2009 152.0	1.05 ± 0.10	-57.4 ± 5.5	0.12	12.3
2009 76.0 to 2009 176.0	0.99 ± 0.08	-59.2 ± 4.6	0.11	11.9
2009 100.0 to 2009 200.0	0.98 ± 0.09	-60.7 ± 5.3	0.14	14.2
2009 124.0 to 2009 224.0	1.01 ± 0.04	-59.7 ± 2.3	0.13	13.4
2009 148.0 to 2009 248.0	0.99 ± 0.02	-56.2 ± 1.2	0.07	6.8
2009 172.0 to 2009 272.0	1.00 ± 0.02	-56.4 ± 1.1	0.07	7.5
2009 196.0 to 2009 296.0	1.00 ± 0.02	-52.3 ± 1.1	0.03	3.5
2009 220.0 to 2009 320.0	0.98 ± 0.02	-50.6 ± 1.2	0.04	3.8
2009 244.0 to 2009 344.0	0.95 ± 0.03	-48.2 ± 1.8	0.08	7.9
2009 268.0 to 2010 3.0	0.98 ± 0.04	-51.6 ± 2.3	0.02	2.3
2009 302.0 to 2010 37.0	0.96 ± 0.05	-58.5 ± 3.0	0.10	10.2
2009 336.0 to 2010 71.0	0.97 ± 0.05	-58.9 ± 3.0	0.11	11.0
2010 5.0 to 2010 105.0	0.94 ± 0.05	-53.8 ± 3.0	0.03	3.4
2010 39.0 to 2010 139.0	0.92 ± 0.04	-50.3 ± 2.5	0.06	6.2
2010 73.0 to 2010 173.0	0.96 ± 0.03	-53.2 ± 1.8	0.01	1.2
2010 107.0 to 2010 207.0	0.98 ± 0.02	-54.9 ± 1.2	0.04	4.2
2010 141.0 to 2010 241.0	0.96 ± 0.02	-52.6 ± 1.2	0.01	0.7
2010 175.0 to 2010 275.0	0.95 ± 0.02	-51.0 ± 1.2	0.03	3.3
2010 209.0 to 2010 309.0	0.99 ± 0.02	-48.1 ± 1.2	0.08	8.4
2010 243.0 to 2010 343.0	1.01 ± 0.03	-54.6 ± 1.7	0.06	5.7
2010 277.0 to 2011 12.0	1.04 ± 0.06	-51.6 ± 3.3	0.08	7.8
2010 311.0 to 2011 46.0	0.98 ± 0.06	-54.3 ± 3.5	0.03	3.3
2010 345.0 to 2011 80.0	0.86 ± 0.06	-47.0 ± 4.0	0.14	14.4
2011 14.0 to 2011 114.0	0.85 ± 0.07	-48.1 ± 4.7	0.14	14.1
2011 48.0 to 2011 148.0	0.88 ± 0.05	-47.1 ± 3.3	0.12	12.8
2011 82.0 to 2011 182.0	0.96 ± 0.03	-47.8 ± 1.8	0.08	8.4
2011 116.0 to 2011 216.0	0.97 ± 0.02	-51.4 ± 1.2	0.02	2.2
2011 150.0 to 2011 250.0	1.00 ± 0.05	-50.6 ± 2.9	0.05	5.0
2011 184.0 to 2011 284.0	0.97 ± 0.06	-48.7 ± 3.5	0.07	6.9
2011 218.0 to 2011 318.0	0.92 ± 0.05	-46.8 ± 3.1	0.11	11.0
2011 252.0 to 2011 352.0	0.83 ± 0.03	-44.8 ± 2.1	0.18	19.0
2011 286.0 to 2012 21.0	0.86 ± 0.04	-43.2 ± 2.7	0.18	19.0

Tidal comparson **K1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 28.0 to 2009 128.0	0.67 ± 0.17	145.1 ± 14.5	0.82	96.6
2009 52.0 to 2009 152.0	1.21 ± 0.41	43.0 ± 19.4	0.75	88.9
2009 76.0 to 2009 176.0	1.03 ± 0.34	28.9 ± 18.9	0.84	99.3
2009 100.0 to 2009 200.0	0.25 ± 0.36	51.7 ± 82.5	0.64	75.7
2009 124.0 to 2009 224.0	1.86 ± 0.16	56.5 ± 4.9	1.15	135.2
2009 148.0 to 2009 248.0	0.96 ± 0.08	53.3 ± 4.8	0.45	52.8
2009 172.0 to 2009 272.0	1.05 ± 0.08	65.5 ± 4.4	0.33	38.5
2009 196.0 to 2009 296.0	1.76 ± 0.08	85.7 ± 2.6	0.92	108.5
2009 220.0 to 2009 320.0	1.30 ± 0.10	94.1 ± 4.4	0.51	60.5
2009 244.0 to 2009 344.0	1.69 ± 0.11	115.2 ± 3.7	1.10	129.7
2009 268.0 to 2010 3.0	1.60 ± 0.15	87.9 ± 5.4	0.77	90.5
2009 302.0 to 2010 37.0	1.06 ± 0.19	111.4 ± 10.3	0.54	63.8
2009 336.0 to 2010 71.0	0.97 ± 0.22	111.0 ± 13.0	0.48	57.2
2010 5.0 to 2010 105.0	0.47 ± 0.19	122.7 ± 23.2	0.59	69.2
2010 39.0 to 2010 139.0	0.85 ± 0.17	47.4 ± 11.5	0.49	58.0
2010 73.0 to 2010 173.0	0.40 ± 0.14	36.6 ± 20.1	0.63	74.1
2010 107.0 to 2010 207.0	1.06 ± 0.10	47.7 ± 5.4	0.58	69.0
2010 141.0 to 2010 241.0	0.77 ± 0.09	50.7 ± 6.7	0.43	50.7
2010 175.0 to 2010 275.0	1.53 ± 0.09	72.2 ± 3.4	0.71	83.3
2010 209.0 to 2010 309.0	1.31 ± 0.09	88.4 ± 3.9	0.48	57.0
2010 243.0 to 2010 343.0	1.30 ± 0.12	93.4 ± 5.3	0.51	59.8
2010 277.0 to 2011 12.0	1.37 ± 0.25	90.9 ± 10.5	0.56	65.6
2010 311.0 to 2011 46.0	0.44 ± 0.23	140.4 ± 30.0	0.73	86.1
2010 345.0 to 2011 80.0	0.48 ± 0.26	157.2 ± 31.0	0.87	102.5
2011 14.0 to 2011 114.0	0.87 ± 0.28	45.0 ± 18.4	0.53	62.8
2011 48.0 to 2011 148.0	0.64 ± 0.22	-7.9 ± 19.7	1.05	124.2
2011 82.0 to 2011 182.0	0.82 ± 0.12	61.7 ± 8.4	0.28	33.2
2011 116.0 to 2011 216.0	1.11 ± 0.10	48.2 ± 5.2	0.61	71.8
2011 150.0 to 2011 250.0	0.87 ± 0.20	74.0 ± 13.2	0.11	12.7
2011 184.0 to 2011 284.0	1.71 ± 0.24	86.7 ± 8.0	0.87	102.9
2011 218.0 to 2011 318.0	1.34 ± 0.23	94.8 ± 9.8	0.56	65.6
2011 252.0 to 2011 352.0	1.31 ± 0.14	115.5 ± 6.1	0.78	91.8
2011 286.0 to 2012 21.0	1.40 ± 0.15	99.2 ± 6.1	0.65	76.9

Tidal comparson **S2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 28.0 to 2009 128.0	3.80 ± 0.08	-142.1 ± 1.2	0.10	2.6
2009 52.0 to 2009 152.0	3.97 ± 0.17	-134.9 ± 2.5	0.44	11.3
2009 76.0 to 2009 176.0	3.85 ± 0.14	-138.4 ± 2.1	0.19	4.8
2009 100.0 to 2009 200.0	3.73 ± 0.15	-139.8 ± 2.3	0.17	4.5
2009 124.0 to 2009 224.0	3.68 ± 0.07	-138.7 ± 1.1	0.26	6.6
2009 148.0 to 2009 248.0	4.00 ± 0.04	-140.1 ± 0.6	0.14	3.6
2009 172.0 to 2009 272.0	3.96 ± 0.04	-139.7 ± 0.6	0.13	3.3
2009 196.0 to 2009 296.0	3.93 ± 0.04	-140.9 ± 0.6	0.05	1.4
2009 220.0 to 2009 320.0	3.93 ± 0.05	-143.5 ± 0.7	0.17	4.4
2009 244.0 to 2009 344.0	4.01 ± 0.05	-144.8 ± 0.7	0.28	7.3
2009 268.0 to 2010 3.0	4.03 ± 0.07	-140.3 ± 1.0	0.16	4.2
2009 302.0 to 2010 37.0	3.82 ± 0.09	-143.5 ± 1.3	0.17	4.4
2009 336.0 to 2010 71.0	3.64 ± 0.10	-140.4 ± 1.6	0.24	6.3
2010 5.0 to 2010 105.0	3.81 ± 0.09	-144.9 ± 1.4	0.26	6.7
2010 39.0 to 2010 139.0	3.61 ± 0.08	-139.2 ± 1.3	0.30	7.7
2010 73.0 to 2010 173.0	3.88 ± 0.06	-140.2 ± 0.9	0.06	1.6
2010 107.0 to 2010 207.0	3.91 ± 0.05	-139.0 ± 0.7	0.15	3.8
2010 141.0 to 2010 241.0	3.73 ± 0.04	-139.7 ± 0.6	0.18	4.6
2010 175.0 to 2010 275.0	4.09 ± 0.04	-139.6 ± 0.6	0.24	6.1
2010 209.0 to 2010 309.0	3.89 ± 0.04	-141.9 ± 0.6	0.05	1.4
2010 243.0 to 2010 343.0	3.96 ± 0.06	-143.6 ± 0.9	0.19	4.8
2010 277.0 to 2011 12.0	4.09 ± 0.11	-140.8 ± 1.5	0.21	5.5
2010 311.0 to 2011 46.0	3.83 ± 0.10	-146.4 ± 1.5	0.36	9.2
2010 345.0 to 2011 80.0	3.90 ± 0.11	-140.1 ± 1.6	0.07	1.9
2011 14.0 to 2011 114.0	3.78 ± 0.12	-138.6 ± 1.8	0.20	5.1
2011 48.0 to 2011 148.0	3.82 ± 0.09	-144.8 ± 1.3	0.25	6.5
2011 82.0 to 2011 182.0	3.79 ± 0.06	-140.9 ± 0.9	0.09	2.3
2011 116.0 to 2011 216.0	4.00 ± 0.05	-138.8 ± 0.7	0.20	5.2
2011 150.0 to 2011 250.0	3.82 ± 0.13	-137.8 ± 1.9	0.23	6.0
2011 184.0 to 2011 284.0	4.02 ± 0.16	-140.2 ± 2.3	0.16	4.0
2011 218.0 to 2011 318.0	3.63 ± 0.14	-140.3 ± 2.2	0.25	6.6
2011 252.0 to 2011 352.0	4.22 ± 0.07	-144.6 ± 1.0	0.42	10.8
2011 286.0 to 2012 21.0	4.15 ± 0.07	-144.1 ± 1.0	0.34	8.8