B079CH1 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	-4.95017 ± 0.05467	0.00707	-0.1
2009 52.0 to 2009 152.0	-4.88109 ± 0.09489	0.07615	-1.5
2009 76.0 to 2009 176.0	-5.01202 ± 0.09741	-0.05478	1.1
2009 100.0 to 2009 200.0	-5.07255 ± 0.10456	-0.11531	2.3
2009 124.0 to 2009 224.0	-4.90948 ± 0.04551	0.04776	-1.0
2009 148.0 to 2009 248.0	-5.00544 ± 0.04304	-0.04820	1.0
2009 172.0 to 2009 272.0	-4.98486 ± 0.04066	-0.02762	0.6
2009 196.0 to 2009 296.0	-5.01326 ± 0.04641	-0.05602	1.1
2009 220.0 to 2009 320.0	-5.02200 ± 0.04293	-0.06476	1.3
2009 244.0 to 2009 344.0	-4.98439 ± 0.03371	-0.02715	0.5
2009 268.0 to 2010 3.0	-4.95724 ± 0.03822	0.00000	-0.0
2009 302.0 to 2010 37.0	-4.97219 ± 0.03507	-0.01495	0.3
2009 336.0 to 2010 71.0	-4.94181 ± 0.04024	0.01543	-0.3
2010 5.0 to 2010 105.0	-4.95083 ± 0.03942	0.00641	-0.1
2010 39.0 to 2010 139.0	-4.92238 ± 0.04851	0.03486	-0.7
2010 73.0 to 2010 173.0	-4.93736 ± 0.03972	0.01988	-0.4
2010 107.0 to 2010 207.0	-4.88703 ± 0.03035	0.07021	-1.4
2010 141.0 to 2010 241.0	-4.96454 ± 0.02979	-0.00730	0.1
2010 175.0 to 2010 275.0	-4.95510 ± 0.06905	0.00214	-0.0
2010 209.0 to 2010 309.0	-4.88405 ± 0.05593	0.07319	-1.5
2010 243.0 to 2010 343.0	-4.96928 ± 0.03835	-0.01204	0.2
2010 277.0 to 2011 12.0	-4.95409 ± 0.05042	0.00315	-0.1
2010 311.0 to 2011 46.0	-4.99419 ± 0.04365	-0.03695	0.7
2010 345.0 to 2011 80.0	-4.91329 ± 0.04744	0.04395	-0.9
2011 14.0 to 2011 114.0	-4.92266 ± 0.05978	0.03458	-0.7
2011 48.0 to 2011 148.0	-4.90050 ± 0.05262	0.05674	-1.1
2011 82.0 to 2011 182.0	-4.96933 ± 0.03923	-0.01209	0.2
2011 116.0 to 2011 216.0	-4.94724 ± 0.04010	0.01000	-0.2
2011 150.0 to 2011 250.0	-4.96425 ± 0.08723	-0.00701	0.1
2011 184.0 to 2011 284.0	-5.03581 ± 0.04932	-0.07857	1.6
2011 218.0 to 2011 318.0	-4.83905 ± 0.04719	0.11819	-2.4
2011 252.0 to 2011 352.0	-4.99367 ± 0.03613	-0.03643	0.7
2011 286.0 to 2012 21.0	-4.99633 ± 0.03711	-0.03909	0.8

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	4.37 ± 0.04	24.5 ± 0.5	0.15	3.4
2009 52.0 to 2009 152.0	4.39 ± 0.05	25.0 ± 0.7	0.14	3.0
2009 76.0 to 2009 176.0	4.41 ± 0.05	24.7 ± 0.6	0.11	2.5
2009 100.0 to 2009 200.0	4.38 ± 0.05	25.0 ± 0.7	0.15	3.2
2009 124.0 to 2009 224.0	4.40 ± 0.02	25.2 ± 0.3	0.13	2.9
2009 148.0 to 2009 248.0	4.36 ± 0.02	25.0 ± 0.3	0.17	3.7
2009 172.0 to 2009 272.0	4.38 ± 0.02	25.1 ± 0.3	0.15	3.3
2009 196.0 to 2009 296.0	4.41 ± 0.02	24.9 ± 0.3	0.12	2.5
2009 220.0 to 2009 320.0	4.45 ± 0.02	24.7 ± 0.3	0.07	1.6
2009 244.0 to 2009 344.0	4.47 ± 0.02	24.8 ± 0.3	0.06	1.2
2009 268.0 to 2010 3.0	4.43 ± 0.03	25.0 ± 0.4	0.10	2.2
2009 302.0 to 2010 37.0	4.41 ± 0.03	25.3 ± 0.4	0.13	2.8
2009 336.0 to 2010 71.0	4.39 ± 0.03	25.4 ± 0.4	0.15	3.2
2010 5.0 to 2010 105.0	4.42 ± 0.03	24.8 ± 0.4	0.10	2.3
2010 39.0 to 2010 139.0	4.45 ± 0.03	24.1 ± 0.4	0.08	1.8
2010 73.0 to 2010 173.0	4.52 ± 0.03	24.7 ± 0.4	0.01	0.2
2010 107.0 to 2010 207.0	4.53 ± 0.02	24.8 ± 0.3	0.02	0.4
2010 141.0 to 2010 241.0	4.55 ± 0.01	25.1 ± 0.1	0.05	1.1
2010 175.0 to 2010 275.0	4.58 ± 0.03	24.8 ± 0.4	0.06	1.3
2010 209.0 to 2010 309.0	4.58 ± 0.03	24.9 ± 0.4	0.06	1.4
2010 243.0 to 2010 343.0	4.60 ± 0.02	25.0 ± 0.2	0.08	1.8
2010 277.0 to 2011 12.0	4.60 ± 0.04	25.5 ± 0.5	0.11	2.3
2010 311.0 to 2011 46.0	4.63 ± 0.04	25.7 ± 0.5	0.14	3.1
2010 345.0 to 2011 80.0	4.64 ± 0.04	25.4 ± 0.5	0.13	2.9
2011 14.0 to 2011 114.0	4.67 ± 0.04	24.3 ± 0.5	0.15	3.3
2011 48.0 to 2011 148.0	4.68 ± 0.03	23.8 ± 0.4	0.17	3.8
2011 82.0 to 2011 182.0	4.63 ± 0.02	23.2 ± 0.2	0.16	3.4
2011 116.0 to 2011 216.0	4.60 ± 0.02	23.2 ± 0.2	0.14	3.0
2011 150.0 to 2011 250.0	4.59 ± 0.04	24.2 ± 0.5	0.07	1.6
2011 184.0 to 2011 284.0	4.61 ± 0.05	25.4 ± 0.6	0.11	2.4
2011 218.0 to 2011 318.0	4.66 ± 0.05	26.3 ± 0.6	0.19	4.3
2011 252.0 to 2011 352.0	4.70 ± 0.03	26.4 ± 0.4	0.23	5.1
2011 286.0 to 2012 21.0	4.74 ± 0.03	26.2 ± 0.4	0.25	5.6

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	3.11 ± 0.07	7.1 ± 1.3	0.12	3.9
2009 52.0 to 2009 152.0	3.14 ± 0.12	8.5 ± 2.2	0.08	2.7
2009 76.0 to 2009 176.0	3.11 ± 0.11	10.1 ± 2.0	0.07	2.2
2009 100.0 to 2009 200.0	3.00 ± 0.11	10.5 ± 2.1	0.10	3.2
2009 124.0 to 2009 224.0	3.15 ± 0.04	7.1 ± 0.7	0.14	4.6
2009 148.0 to 2009 248.0	3.19 ± 0.03	8.6 ± 0.5	0.13	4.2
2009 172.0 to 2009 272.0	3.15 ± 0.03	8.9 ± 0.5	0.09	2.8
2009 196.0 to 2009 296.0	3.14 ± 0.04	10.1 ± 0.7	0.09	3.0
2009 220.0 to 2009 320.0	3.20 ± 0.05	11.1 ± 0.9	0.17	5.6
2009 244.0 to 2009 344.0	3.16 ± 0.04	11.6 ± 0.7	0.16	5.3
2009 268.0 to 2010 3.0	3.16 ± 0.06	10.3 ± 1.1	0.11	3.7
2009 302.0 to 2010 37.0	3.07 ± 0.07	8.5 ± 1.3	0.04	1.1
2009 336.0 to 2010 71.0	3.00 ± 0.08	8.5 ± 1.5	0.07	2.4
2010 5.0 to 2010 105.0	3.04 ± 0.07	8.6 ± 1.3	0.04	1.3
2010 39.0 to 2010 139.0	3.07 ± 0.07	9.7 ± 1.3	0.03	1.0
2010 73.0 to 2010 173.0	3.07 ± 0.05	7.9 ± 0.9	0.07	2.2
2010 107.0 to 2010 207.0	3.07 ± 0.03	7.3 ± 0.6	0.10	3.2
2010 141.0 to 2010 241.0	3.11 ± 0.03	9.4 ± 0.6	0.05	1.5
2010 175.0 to 2010 275.0	2.99 ± 0.06	7.5 ± 1.1	0.12	3.8
2010 209.0 to 2010 309.0	3.06 ± 0.06	7.0 ± 1.1	0.11	3.8
2010 243.0 to 2010 343.0	2.91 ± 0.05	5.7 ± 1.0	0.24	7.7
2010 277.0 to 2011 12.0	3.09 ± 0.09	7.3 ± 1.7	0.10	3.3
2010 311.0 to 2011 46.0	3.00 ± 0.08	8.9 ± 1.5	0.07	2.2
2010 345.0 to 2011 80.0	2.94 ± 0.09	11.1 ± 1.8	0.16	5.3
2011 14.0 to 2011 114.0	2.81 ± 0.10	11.5 ± 2.0	0.28	9.2
2011 48.0 to 2011 148.0	2.75 ± 0.08	11.3 ± 1.7	0.33	10.9
2011 82.0 to 2011 182.0	2.77 ± 0.05	11.2 ± 1.0	0.31	10.2
2011 116.0 to 2011 216.0	2.80 ± 0.04	10.3 ± 0.8	0.27	8.9
2011 150.0 to 2011 250.0	2.82 ± 0.07	9.8 ± 1.4	0.25	8.1
2011 184.0 to 2011 284.0	2.97 ± 0.06	8.8 ± 1.2	0.10	3.2
2011 218.0 to 2011 318.0	2.81 ± 0.07	10.5 ± 1.4	0.26	8.6
2011 252.0 to 2011 352.0	2.75 ± 0.05	13.1 ± 1.0	0.37	12.2
2011 286.0 to 2012 21.0	2.82 ± 0.05	12.6 ± 1.0	0.30	9.9

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	4.58 ± 0.30	153.8 ± 3.8	0.84	20.9
2009 52.0 to 2009 152.0	3.14 ± 0.48	137.7 ± 8.8	0.99	24.8
2009 76.0 to 2009 176.0	3.10 ± 0.45	148.9 ± 8.3	0.92	22.9
2009 100.0 to 2009 200.0	3.89 ± 0.44	145.9 ± 6.5	0.11	2.7
2009 124.0 to 2009 224.0	4.18 ± 0.16	129.7 ± 2.2	1.16	29.0
2009 148.0 to 2009 248.0	3.29 ± 0.13	144.9 ± 2.3	0.71	17.7
2009 172.0 to 2009 272.0	3.89 ± 0.13	141.4 ± 1.9	0.32	8.0
2009 196.0 to 2009 296.0	4.70 ± 0.18	142.0 ± 2.2	0.76	19.0
2009 220.0 to 2009 320.0	4.82 ± 0.19	145.9 ± 2.3	0.82	20.6
2009 244.0 to 2009 344.0	5.08 ± 0.18	148.7 ± 2.0	1.11	27.7
2009 268.0 to 2010 3.0	4.86 ± 0.23	141.0 ± 2.7	0.94	23.5
2009 302.0 to 2010 37.0	4.73 ± 0.27	153.8 ± 3.3	0.95	23.9
2009 336.0 to 2010 71.0	4.74 ± 0.32	151.6 ± 3.9	0.87	21.7
2010 5.0 to 2010 105.0	4.30 ± 0.28	157.5 ± 3.7	0.90	22.5
2010 39.0 to 2010 139.0	3.86 ± 0.28	144.4 ± 4.2	0.17	4.1
2010 73.0 to 2010 173.0	3.30 ± 0.21	157.7 ± 3.6	1.03	25.7
2010 107.0 to 2010 207.0	3.58 ± 0.13	144.8 ± 2.1	0.42	10.5
2010 141.0 to 2010 241.0	3.64 ± 0.11	146.9 ± 1.7	0.36	9.1
2010 175.0 to 2010 275.0	3.90 ± 0.24	139.5 ± 3.5	0.44	11.1
2010 209.0 to 2010 309.0	4.76 ± 0.23	139.6 ± 2.8	0.90	22.5
2010 243.0 to 2010 343.0	4.16 ± 0.21	146.8 ± 2.9	0.18	4.5
2010 277.0 to 2011 12.0	4.52 ± 0.36	140.8 ± 4.6	0.64	16.0
2010 311.0 to 2011 46.0	3.86 ± 0.33	157.1 ± 4.9	0.79	19.7
2010 345.0 to 2011 80.0	4.77 ± 0.35	159.3 ± 4.2	1.29	32.2
2011 14.0 to 2011 114.0	3.34 ± 0.39	139.9 ± 6.7	0.76	18.9
2011 48.0 to 2011 148.0	3.15 ± 0.32	159.2 ± 5.8	1.18	29.6
2011 82.0 to 2011 182.0	3.67 ± 0.20	154.2 ± 3.1	0.65	16.3
2011 116.0 to 2011 216.0	4.03 ± 0.17	136.2 ± 2.4	0.67	16.8
2011 150.0 to 2011 250.0	3.64 ± 0.31	150.4 ± 4.9	0.47	11.8
2011 184.0 to 2011 284.0	4.60 ± 0.28	132.9 ± 3.5	1.14	28.4
2011 218.0 to 2011 318.0	4.64 ± 0.29	147.8 ± 3.6	0.66	16.6
2011 252.0 to 2011 352.0	4.59 ± 0.21	142.3 ± 2.6	0.65	16.2
2011 286.0 to 2012 21.0	4.46 ± 0.22	143.1 ± 2.8	0.50	12.6

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	1.61 ± 0.14	-168.2 ± 5.0	0.31	22.6
2009 52.0 to 2009 152.0	1.28 ± 0.20	-149.0 ± 9.0	0.27	19.9
2009 76.0 to 2009 176.0	1.42 ± 0.19	-151.4 ± 7.7	0.21	15.5
2009 100.0 to 2009 200.0	1.39 ± 0.19	-167.1 ± 7.8	0.17	12.4
2009 124.0 to 2009 224.0	0.97 ± 0.07	-158.2 ± 4.1	0.41	29.9
2009 148.0 to 2009 248.0	1.47 ± 0.07	-162.5 ± 2.7	0.11	7.9
2009 172.0 to 2009 272.0	1.27 ± 0.07	-156.3 ± 3.2	0.14	10.2
2009 196.0 to 2009 296.0	1.55 ± 0.09	-158.1 ± 3.3	0.18	12.8
2009 220.0 to 2009 320.0	1.30 ± 0.09	-176.5 ± 4.0	0.39	28.4
2009 244.0 to 2009 344.0	1.58 ± 0.08	-170.9 ± 2.9	0.34	24.9
2009 268.0 to 2010 3.0	1.51 ± 0.10	-161.8 ± 3.8	0.14	9.9
2009 302.0 to 2010 37.0	1.44 ± 0.11	-165.9 ± 4.4	0.16	11.3
2009 336.0 to 2010 71.0	1.37 ± 0.13	-162.1 ± 5.4	0.05	3.7
2010 5.0 to 2010 105.0	1.14 ± 0.12	-171.0 ± 6.0	0.34	24.6
2010 39.0 to 2010 139.0	1.23 ± 0.13	179.5 ± 6.1	0.49	35.3
2010 73.0 to 2010 173.0	1.46 ± 0.10	-157.8 ± 3.9	0.10	7.0
2010 107.0 to 2010 207.0	1.37 ± 0.07	-155.5 ± 2.9	0.11	7.9
2010 141.0 to 2010 241.0	1.35 ± 0.06	-155.9 ± 2.5	0.10	7.5
2010 175.0 to 2010 275.0	1.39 ± 0.10	-159.0 ± 4.1	0.03	1.9
2010 209.0 to 2010 309.0	1.45 ± 0.10	-168.1 ± 4.0	0.21	15.3
2010 243.0 to 2010 343.0	1.73 ± 0.10	-159.0 ± 3.3	0.35	25.4
2010 277.0 to 2011 12.0	1.66 ± 0.15	-155.4 ± 5.2	0.30	22.1
2010 311.0 to 2011 46.0	1.53 ± 0.14	180.0 ± 5.2	0.53	38.1
2010 345.0 to 2011 80.0	1.29 ± 0.15	-165.6 ± 6.7	0.16	11.5
2011 14.0 to 2011 114.0	1.28 ± 0.17	-156.4 ± 7.6	0.13	9.5
2011 48.0 to 2011 148.0	1.71 ± 0.13	-174.6 ± 4.4	0.51	37.0
2011 82.0 to 2011 182.0	1.25 ± 0.09	-170.8 ± 4.1	0.28	20.2
2011 116.0 to 2011 216.0	1.32 ± 0.08	-151.5 ± 3.5	0.21	15.2
2011 150.0 to 2011 250.0	1.39 ± 0.16	-156.7 ± 6.6	0.08	5.9
2011 184.0 to 2011 284.0	1.20 ± 0.19	-154.9 ± 9.1	0.21	15.5
2011 218.0 to 2011 318.0	1.22 ± 0.19	-155.8 ± 8.9	0.19	13.5
2011 252.0 to 2011 352.0	1.89 ± 0.10	-169.0 ± 3.0	0.57	41.2
2011 286.0 to 2012 21.0	1.70 ± 0.10	-160.7 ± 3.4	0.32	23.2