B027CH2 Comparison between current analysis and prior analysis

Pressure comparison			
time interval	Pressure Coef. counts/counts	Difference counts/counts	Percent change
2009 12.0 to 2009 112.0	-6.49511 ± 0.04361	-0.05295	0.8
2009 36.0 to 2009 136.0	-6.49083 ± 0.04215	-0.04867	0.8
2009 60.0 to 2009 160.0	-6.47385 ± 0.03815	-0.03169	0.5
2009 84.0 to 2009 184.0	-6.36189 ± 0.03849	0.08027	-1.2
2009 108.0 to 2009 208.0	-6.35982 ± 0.04188	0.08234	-1.3
2009 132.0 to 2009 232.0	-6.29874 ± 0.04228	0.14342	-2.2
2009 156.0 to 2009 256.0	-6.25403 ± 0.04571	0.18813	-2.9
2009 180.0 to 2009 280.0	-6.29842 ± 0.04646	0.14374	-2.2
2009 204.0 to 2009 304.0	-6.43120 ± 0.03948	0.01096	-0.2
2009 228.0 to 2009 328.0	-6.54740 ± 0.03779	-0.10524	1.6
2009 252.0 to 2009 352.0	-6.48936 ± 0.03648	-0.04720	0.7
2009 286.0 to 2010 21.0	-6.48381 ± 0.04187	-0.04165	0.6
2009 320.0 to 2010 55.0	-6.48271 ± 0.04147	-0.04055	0.6
2009 354.0 to 2010 89.0	-6.41234 ± 0.04028	0.02982	-0.5
2010 23.0 to 2010 123.0	-6.37676 ± 0.04073	0.06540	-1.0
2010 57.0 to 2010 157.0	-6.30755 ± 0.04681	0.13461	-2.1
2010 91.0 to 2010 191.0	-6.28394 ± 0.05189	0.15822	-2.5
2010 125.0 to 2010 225.0	-6.05848 ± 0.06731	0.38368	-6.0
2010 159.0 to 2010 259.0	-6.28860 ± 0.07686	0.15356	-2.4
2010 193.0 to 2010 293.0	-6.44216 ± 0.07458	0.00000	-0.0
2010 227.0 to 2010 327.0	-6.58038 ± 0.05259	-0.13822	2.1
2010 261.0 to 2010 361.0	-6.54497 ± 0.06319	-0.10281	1.6
2010 295.0 to 2011 30.0	-6.48502 ± 0.06449	-0.04286	0.7
2010 329.0 to 2011 64.0	-6.42741 ± 0.04235	0.01475	-0.2
2010 363.0 to 2011 98.0	-6.53311 ± 0.12789	-0.09095	1.4
2011 32.0 to 2011 132.0	-6.47495 ± 0.14126	-0.03279	0.5
2011 66.0 to 2011 166.0	-6.44847 ± 0.11743	-0.00631	0.1
2011 100.0 to 2011 200.0	-6.25396 ± 0.08424	0.18820	-2.9
2011 134.0 to 2011 234.0	-6.26829 ± 0.11042	0.17387	-2.7
2011 168.0 to 2011 268.0	-6.96128 ± 0.45384	-0.51912	8.1
2011 202.0 to 2011 302.0	-6.69603 ± 0.39490	-0.25387	3.9
2011 236.0 to 2011 336.0	-6.84557 ± 0.57667	-0.40341	6.3
2011 270.0 to 2012 5.0	-6.43325 ± 0.61403	0.00891	-0.1
2011 304.0 to 2012 39.0	-6.52960 ± 0.29069	-0.08744	1.4

Tidal comparson **M2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 12.0 to 2009 112.0	3.67 ± 0.06	-112.2 ± 0.9	0.02	0.6
2009 36.0 to 2009 136.0	3.75 ± 0.06	-111.8 ± 0.9	0.08	2.2
2009 60.0 to 2009 160.0	3.71 ± 0.04	-110.8 ± 0.6	0.08	2.2
2009 84.0 to 2009 184.0	3.68 ± 0.04	-110.2 ± 0.6	0.11	2.9
2009 108.0 to 2009 208.0	3.69 ± 0.03	-109.8 ± 0.5	0.13	3.6
2009 132.0 to 2009 232.0	3.64 ± 0.03	-110.2 ± 0.5	0.11	3.0
2009 156.0 to 2009 256.0	3.65 ± 0.03	-110.7 ± 0.5	0.08	2.1
2009 180.0 to 2009 280.0	3.65 ± 0.03	-111.1 ± 0.5	0.05	1.4
2009 204.0 to 2009 304.0	3.64 ± 0.03	-112.1 ± 0.5	0.03	0.9
2009 228.0 to 2009 328.0	3.66 ± 0.04	-111.9 ± 0.6	0.01	0.3
2009 252.0 to 2009 352.0	3.63 ± 0.05	-113.4 ± 0.8	0.11	2.9
2009 286.0 to 2010 21.0	3.59 ± 0.06	-113.4 ± 1.0	0.13	3.4
2009 320.0 to 2010 55.0	3.52 ± 0.05	-115.8 ± 0.8	0.29	7.9
2009 354.0 to 2010 89.0	3.60 ± 0.05	-114.1 ± 0.8	0.16	4.3
2010 23.0 to 2010 123.0	3.67 ± 0.05	-113.7 ± 0.8	0.12	3.2
2010 57.0 to 2010 157.0	3.70 ± 0.06	-112.6 ± 0.9	0.06	1.6
2010 91.0 to 2010 191.0	3.70 ± 0.06	-111.6 ± 0.9	0.04	1.0
2010 125.0 to 2010 225.0	3.63 ± 0.05	-112.0 ± 0.8	0.04	1.1
2010 159.0 to 2010 259.0	3.56 ± 0.05	-112.5 ± 0.8	0.12	3.2
2010 193.0 to 2010 293.0	3.57 ± 0.05	-112.4 ± 0.8	0.10	2.9
2010 227.0 to 2010 327.0	3.62 ± 0.05	-111.9 ± 0.8	0.05	1.3
2010 261.0 to 2010 361.0	3.57 ± 0.07	-112.0 ± 1.1	0.10	2.7
2010 295.0 to 2011 30.0	3.56 ± 0.08	-111.1 ± 1.3	0.12	3.2
2010 329.0 to 2011 64.0	3.58 ± 0.05	-111.7 ± 0.8	0.09	2.4
2010 363.0 to 2011 98.0	3.91 ± 0.15	-112.1 ± 2.2	0.24	6.6
2011 32.0 to 2011 132.0	3.87 ± 0.16	-112.3 ± 2.4	0.20	5.5
2011 66.0 to 2011 166.0	3.78 ± 0.12	-113.4 ± 1.8	0.15	4.1
2011 100.0 to 2011 200.0	3.67 ± 0.07	-112.9 ± 1.1	0.07	1.8
2011 134.0 to 2011 234.0	3.82 ± 0.07	-112.3 ± 1.0	0.15	4.2
2011 168.0 to 2011 268.0	3.60 ± 0.24	-104.8 ± 3.8	0.45	12.3
2011 202.0 to 2011 302.0	3.72 ± 0.26	-106.4 ± 4.0	0.35	9.7
2011 236.0 to 2011 336.0	4.19 ± 0.49	-121.0 ± 6.7	0.81	22.2
2011 270.0 to 2012 5.0	4.26 ± 0.63	-124.4 ± 8.5	1.05	28.5
2011 304.0 to 2012 39.0	4.23 ± 0.37	-121.7 ± 5.0	0.88	24.0

Tidal comparson **O1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 12.0 to 2009 112.0	3.75 ± 0.11	170.8 ± 1.7	0.33	9.4
2009 36.0 to 2009 136.0	3.65 ± 0.11	173.4 ± 1.7	0.15	4.1
2009 60.0 to 2009 160.0	3.70 ± 0.08	175.7 ± 1.2	0.18	5.2
2009 84.0 to 2009 184.0	3.71 ± 0.07	174.1 ± 1.1	0.19	5.3
2009 108.0 to 2009 208.0	3.80 ± 0.07	174.6 ± 1.1	0.27	7.7
2009 132.0 to 2009 232.0	3.78 ± 0.05	176.0 ± 0.8	0.27	7.5
2009 156.0 to 2009 256.0	3.63 ± 0.06	174.9 ± 0.9	0.10	2.9
2009 180.0 to 2009 280.0	3.57 ± 0.07	173.3 ± 1.1	0.10	2.7
2009 204.0 to 2009 304.0	3.38 ± 0.07	174.9 ± 1.2	0.15	4.2
2009 228.0 to 2009 328.0	3.28 ± 0.09	171.5 ± 1.6	0.31	8.8
2009 252.0 to 2009 352.0	3.57 ± 0.09	176.2 ± 1.4	0.10	2.9
2009 286.0 to 2010 21.0	3.66 ± 0.12	174.7 ± 1.9	0.13	3.8
2009 320.0 to 2010 55.0	3.84 ± 0.11	176.9 ± 1.6	0.34	9.7
2009 354.0 to 2010 89.0	3.59 ± 0.11	172.4 ± 1.8	0.15	4.4
2010 23.0 to 2010 123.0	3.58 ± 0.11	173.8 ± 1.8	0.08	2.1
2010 57.0 to 2010 157.0	3.48 ± 0.12	173.6 ± 2.0	0.08	2.3
2010 91.0 to 2010 191.0	3.48 ± 0.12	174.6 ± 2.0	0.05	1.4
2010 125.0 to 2010 225.0	3.52 ± 0.11	176.2 ± 1.8	0.09	2.7
2010 159.0 to 2010 259.0	3.52 ± 0.10	175.8 ± 1.6	0.07	2.0
2010 193.0 to 2010 293.0	3.26 ± 0.11	173.4 ± 1.9	0.28	7.9
2010 227.0 to 2010 327.0	3.28 ± 0.10	174.8 ± 1.7	0.25	7.0
2010 261.0 to 2010 361.0	3.26 ± 0.16	176.4 ± 2.8	0.29	8.1
2010 295.0 to 2011 30.0	3.22 ± 0.18	177.6 ± 3.2	0.35	10.0
2010 329.0 to 2011 64.0	3.35 ± 0.11	175.3 ± 1.9	0.18	5.1
2010 363.0 to 2011 98.0	3.75 ± 0.34	166.5 ± 5.2	0.56	16.0
2011 32.0 to 2011 132.0	3.75 ± 0.37	168.8 ± 5.7	0.43	12.3
2011 66.0 to 2011 166.0	3.43 ± 0.29	174.8 ± 4.8	0.10	2.8
2011 100.0 to 2011 200.0	3.14 ± 0.16	177.5 ± 2.9	0.42	11.9
2011 134.0 to 2011 234.0	3.05 ± 0.15	177.9 ± 2.8	0.51	14.5
2011 168.0 to 2011 268.0	3.76 ± 0.55	-177.3 ± 8.4	0.56	15.9
2011 202.0 to 2011 302.0	3.55 ± 0.60	-176.4 ± 9.7	0.55	15.6
2011 236.0 to 2011 336.0	3.81 ± 1.12	143.6 ± 16.8	1.98	56.2
2011 270.0 to 2012 5.0	3.03 ± 1.45	159.4 ± 27.4	1.00	28.4
2011 304.0 to 2012 39.0	2.92 ± 0.84	173.3 ± 16.5	0.61	17.4

Tidal comparson **K1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 12.0 to 2009 112.0	4.75 ± 0.44	-47.5 ± 5.3	1.07	25.4
2009 36.0 to 2009 136.0	4.54 ± 0.45	-50.3 ± 5.7	1.16	27.6
2009 60.0 to 2009 160.0	4.37 ± 0.35	-45.0 ± 4.6	0.72	17.1
2009 84.0 to 2009 184.0	6.39 ± 0.30	-33.5 ± 2.7	2.19	51.9
2009 108.0 to 2009 208.0	4.70 ± 0.29	-39.4 ± 3.5	0.57	13.5
2009 132.0 to 2009 232.0	4.67 ± 0.23	-31.7 ± 2.8	0.55	13.0
2009 156.0 to 2009 256.0	4.50 ± 0.24	-13.2 ± 3.1	1.72	40.8
2009 180.0 to 2009 280.0	4.03 ± 0.28	-18.4 ± 4.0	1.25	29.6
2009 204.0 to 2009 304.0	5.02 ± 0.29	-3.9 ± 3.3	2.64	62.7
2009 228.0 to 2009 328.0	4.02 ± 0.37	-7.4 ± 5.3	2.02	47.8
2009 252.0 to 2009 352.0	2.00 ± 0.38	-38.1 ± 10.9	2.22	52.6
2009 286.0 to 2010 21.0	3.18 ± 0.49	-6.5 ± 8.8	2.11	50.1
2009 320.0 to 2010 55.0	4.39 ± 0.47	-67.3 ± 6.1	2.35	55.9
2009 354.0 to 2010 89.0	2.81 ± 0.44	-25.6 ± 9.0	1.53	36.2
2010 23.0 to 2010 123.0	4.53 ± 0.44	-56.6 ± 5.6	1.62	38.5
2010 57.0 to 2010 157.0	4.37 ± 0.51	-53.9 ± 6.7	1.37	32.6
2010 91.0 to 2010 191.0	4.78 ± 0.49	-35.7 ± 5.9	0.57	13.4
2010 125.0 to 2010 225.0	5.21 ± 0.45	-39.5 ± 4.9	1.05	24.8
2010 159.0 to 2010 259.0	3.71 ± 0.43	-10.2 ± 6.6	1.81	43.0
2010 193.0 to 2010 293.0	3.43 ± 0.45	3.1 ± 7.5	2.64	62.6
2010 227.0 to 2010 327.0	4.64 ± 0.43	-4.5 ± 5.3	2.41	57.2
2010 261.0 to 2010 361.0	1.63 ± 0.64	-26.7 ± 22.5	2.62	62.1
2010 295.0 to 2011 30.0	2.98 ± 0.73	-29.3 ± 14.0	1.29	30.7
2010 329.0 to 2011 64.0	3.80 ± 0.46	-46.9 ± 6.9	0.89	21.1
2010 363.0 to 2011 98.0	5.85 ± 1.38	-37.2 ± 13.5	1.64	39.0
2011 32.0 to 2011 132.0	3.52 ± 1.50	-72.4 ± 24.4	2.53	60.0
2011 66.0 to 2011 166.0	4.02 ± 1.17	-40.8 ± 16.7	0.42	9.9
2011 100.0 to 2011 200.0	5.02 ± 0.66	-34.6 ± 7.5	0.81	19.2
2011 134.0 to 2011 234.0	6.39 ± 0.63	-36.8 ± 5.6	2.18	51.7
2011 168.0 to 2011 268.0	6.82 ± 2.22	-7.1 ± 18.7	3.71	88.1
2011 202.0 to 2011 302.0	2.81 ± 2.44	-17.3 ± 49.8	1.78	42.3
2011 236.0 to 2011 336.0	2.34 ± 4.53	-16.2 ± 110.9	2.15	51.1
2011 270.0 to 2012 5.0	6.57 ± 5.92	74.2 ± 51.6	8.93	211.9
2011 304.0 to 2012 39.0	16.57 ± 3.37	-58.7 ± 11.7	12.80	303.8

Tidal comparson **S2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 12.0 to 2009 112.0	2.62 ± 0.23	133.6 ± 5.0	0.53	22.5
2009 36.0 to 2009 136.0	2.70 ± 0.22	148.3 ± 4.7	0.37	15.5
2009 60.0 to 2009 160.0	2.34 ± 0.17	151.7 ± 4.2	0.30	12.6
2009 84.0 to 2009 184.0	2.22 ± 0.14	142.0 ± 3.6	0.18	7.7
2009 108.0 to 2009 208.0	2.40 ± 0.13	140.8 ± 3.1	0.15	6.5
2009 132.0 to 2009 232.0	1.83 ± 0.11	143.0 ± 3.4	0.55	23.0
2009 156.0 to 2009 256.0	2.20 ± 0.11	150.3 ± 2.9	0.29	12.2
2009 180.0 to 2009 280.0	2.50 ± 0.12	151.6 ± 2.8	0.33	13.9
2009 204.0 to 2009 304.0	2.32 ± 0.13	140.6 ± 3.2	0.17	7.0
2009 228.0 to 2009 328.0	2.37 ± 0.17	150.1 ± 4.1	0.23	9.8
2009 252.0 to 2009 352.0	3.15 ± 0.18	146.5 ± 3.3	0.78	33.0
2009 286.0 to 2010 21.0	1.63 ± 0.22	144.0 ± 7.7	0.74	31.3
2009 320.0 to 2010 55.0	3.38 ± 0.21	137.9 ± 3.6	1.06	44.6
2009 354.0 to 2010 89.0	2.50 ± 0.19	143.5 ± 4.4	0.13	5.6
2010 23.0 to 2010 123.0	2.36 ± 0.20	144.9 ± 4.9	0.02	0.9
2010 57.0 to 2010 157.0	2.60 ± 0.22	140.0 ± 4.8	0.30	12.6
2010 91.0 to 2010 191.0	2.00 ± 0.22	136.4 ± 6.3	0.48	20.3
2010 125.0 to 2010 225.0	1.81 ± 0.20	131.6 ± 6.3	0.73	30.7
2010 159.0 to 2010 259.0	2.81 ± 0.20	150.8 ± 4.1	0.52	22.0
2010 193.0 to 2010 293.0	2.53 ± 0.19	149.1 ± 4.3	0.25	10.7
2010 227.0 to 2010 327.0	1.76 ± 0.19	142.9 ± 6.2	0.62	25.9
2010 261.0 to 2010 361.0	2.47 ± 0.27	143.4 ± 6.3	0.11	4.5
2010 295.0 to 2011 30.0	2.67 ± 0.31	161.5 ± 6.7	0.80	33.8
2010 329.0 to 2011 64.0	2.76 ± 0.21	125.0 ± 4.4	0.95	39.9
2010 363.0 to 2011 98.0	2.62 ± 0.57	131.0 ± 12.5	0.63	26.7
2011 32.0 to 2011 132.0	2.78 ± 0.63	139.4 ± 13.0	0.47	19.6
2011 66.0 to 2011 166.0	2.45 ± 0.49	142.6 ± 11.5	0.11	4.6
2011 100.0 to 2011 200.0	2.09 ± 0.28	144.0 ± 7.7	0.28	11.9
2011 134.0 to 2011 234.0	2.72 ± 0.27	138.6 ± 5.7	0.43	18.3
2011 168.0 to 2011 268.0	2.02 ± 0.94	158.8 ± 26.7	0.65	27.4
2011 202.0 to 2011 302.0	1.82 ± 1.02	135.2 ± 32.1	0.65	27.3
2011 236.0 to 2011 336.0	4.02 ± 1.91	161.5 ± 27.2	1.88	79.4
2011 270.0 to 2012 5.0	2.20 ± 2.47	67.8 ± 64.3	2.84	119.7
2011 304.0 to 2012 39.0	5.72 ± 1.58	160.7 ± 15.8	3.51	147.7