B027CH3 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	-8.27781 ± 0.17468	0.00907	-0.1
2009 36.0 to 2009 136.0	-8.34528 ± 0.06853	-0.05840	0.7
2009 60.0 to 2009 160.0	-8.35071 ± 0.06695	-0.06383	0.8
2009 84.0 to 2009 184.0	-8.21011 ± 0.06630	0.07677	-0.9
2009 108.0 to 2009 208.0	-8.22670 ± 0.06931	0.06018	-0.7
2009 132.0 to 2009 232.0	-8.15003 ± 0.08349	0.13685	-1.7
2009 156.0 to 2009 256.0	-8.15548 ± 0.11078	0.13140	-1.6
2009 180.0 to 2009 280.0	-8.22295 ± 0.10140	0.06393	-0.8
2009 204.0 to 2009 304.0	-8.34442 ± 0.08548	-0.05754	0.7
2009 228.0 to 2009 328.0	-8.53171 ± 0.06099	-0.24483	3.0
2009 252.0 to 2009 352.0	-8.50238 ± 0.07069	-0.21550	2.6
2009 286.0 to 2010 21.0	-8.44899 ± 0.07999	-0.16211	2.0
2009 320.0 to 2010 55.0	-8.39518 ± 0.07972	-0.10830	1.3
2009 354.0 to 2010 89.0	-8.31195 ± 0.04741	-0.02507	0.3
2010 23.0 to 2010 123.0	-8.28688 ± 0.06731	0.00000	-0.0
2010 57.0 to 2010 157.0	-8.24109 ± 0.06300	0.04579	-0.6
2010 91.0 to 2010 191.0	-8.20204 ± 0.07138	0.08484	-1.0
2010 125.0 to 2010 225.0	-7.96537 ± 0.05694	0.32151	-3.9
2010 159.0 to 2010 259.0	-7.93854 ± 0.05542	0.34834	-4.2
2010 193.0 to 2010 293.0	-8.15979 ± 0.07139	0.12709	-1.5
2010 227.0 to 2010 327.0	-8.47406 ± 0.06748	-0.18718	2.3
2010 261.0 to 2010 361.0	-8.48322 ± 0.05303	-0.19634	2.4
2010 295.0 to 2011 30.0	-8.39367 ± 0.05856	-0.10679	1.3
2010 329.0 to 2011 64.0	-8.33099 ± 0.05302	-0.04411	0.5
2010 363.0 to 2011 98.0	-8.45851 ± 0.06765	-0.17163	2.1
2011 32.0 to 2011 132.0	-8.45217 ± 0.06924	-0.16529	2.0
2011 66.0 to 2011 166.0	-8.42231 ± 0.07335	-0.13543	1.6
2011 100.0 to 2011 200.0	-8.22157 ± 0.20662	0.06531	-0.8
2011 134.0 to 2011 234.0	-8.25731 ± 0.75969	0.02957	-0.4
2011 168.0 to 2011 268.0	-8.50387 ± 1.68225	-0.21699	2.6
2011 202.0 to 2011 302.0	-6.07940 ± 1.68780	2.20748	-26.6
2011 236.0 to 2011 336.0	-6.80451 ± 1.57754	1.48237	-17.9
2011 270.0 to 2012 5.0	-7.21735 ± 1.02989	1.06953	-12.9

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	6.46 ± 0.18	-12.3 ± 1.6	0.14	2.1
2009 36.0 to 2009 136.0	6.44 ± 0.08	-13.0 ± 0.7	0.22	3.4
2009 60.0 to 2009 160.0	6.45 ± 0.06	-12.6 ± 0.5	0.17	2.7
2009 84.0 to 2009 184.0	6.47 ± 0.05	-12.2 ± 0.4	0.12	1.9
2009 108.0 to 2009 208.0	6.48 ± 0.05	-12.1 ± 0.4	0.11	1.7
2009 132.0 to 2009 232.0	6.51 ± 0.05	-11.5 ± 0.4	0.04	0.6
2009 156.0 to 2009 256.0	6.55 ± 0.06	-11.6 ± 0.5	0.07	1.0
2009 180.0 to 2009 280.0	6.53 ± 0.07	-11.4 ± 0.6	0.04	0.5
2009 204.0 to 2009 304.0	6.51 ± 0.07	-10.9 ± 0.6	0.03	0.4
2009 228.0 to 2009 328.0	6.51 ± 0.06	-10.8 ± 0.5	0.04	0.6
2009 252.0 to 2009 352.0	6.39 ± 0.08	-10.1 ± 0.7	0.17	2.6
2009 286.0 to 2010 21.0	6.44 ± 0.10	-10.5 ± 0.9	0.10	1.5
2009 320.0 to 2010 55.0	6.33 ± 0.10	-9.7 ± 0.9	0.24	3.7
2009 354.0 to 2010 89.0	6.44 ± 0.06	-11.3 ± 0.5	0.07	1.1
2010 23.0 to 2010 123.0	6.45 ± 0.08	-11.4 ± 0.7	0.06	1.0
2010 57.0 to 2010 157.0	6.52 ± 0.07	-12.1 ± 0.6	0.11	1.7
2010 91.0 to 2010 191.0	6.53 ± 0.07	-12.1 ± 0.6	0.11	1.7
2010 125.0 to 2010 225.0	6.51 ± 0.04	-11.6 ± 0.4	0.05	0.8
2010 159.0 to 2010 259.0	6.52 ± 0.03	-11.4 ± 0.3	0.03	0.5
2010 193.0 to 2010 293.0	6.57 ± 0.05	-10.5 ± 0.4	0.10	1.5
2010 227.0 to 2010 327.0	6.60 ± 0.06	-10.8 ± 0.5	0.10	1.5
2010 261.0 to 2010 361.0	6.64 ± 0.06	-10.2 ± 0.5	0.17	2.6
2010 295.0 to 2011 30.0	6.66 ± 0.07	-10.8 ± 0.6	0.16	2.4
2010 329.0 to 2011 64.0	6.60 ± 0.06	-10.5 ± 0.5	0.12	1.8
2010 363.0 to 2011 98.0	6.54 ± 0.08	-11.1 ± 0.7	0.03	0.5
2011 32.0 to 2011 132.0	6.50 ± 0.08	-11.3 ± 0.7	0.02	0.3
2011 66.0 to 2011 166.0	6.49 ± 0.08	-11.9 ± 0.7	0.09	1.3
2011 100.0 to 2011 200.0	6.53 ± 0.17	-10.1 ± 1.5	0.12	1.9
2011 134.0 to 2011 234.0	6.76 ± 0.46	-9.6 ± 3.9	0.31	4.8
2011 168.0 to 2011 268.0	7.16 ± 0.89	-7.7 ± 7.1	0.77	11.8
2011 202.0 to 2011 302.0	6.95 ± 1.10	-10.0 ± 9.1	0.46	7.1
2011 236.0 to 2011 336.0	6.49 ± 1.34	-0.2 ± 11.8	1.24	19.1
2011 270.0 to 2012 5.0	5.82 ± 1.06	0.1 ± 10.4	1.39	21.3

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	6.36 ± 0.40	103.6 ± 3.6	0.39	6.5
2009 36.0 to 2009 136.0	6.13 ± 0.17	103.4 ± 1.6	0.32	5.3
2009 60.0 to 2009 160.0	6.15 ± 0.14	106.3 ± 1.3	0.04	0.7
2009 84.0 to 2009 184.0	6.37 ± 0.12	106.3 ± 1.1	0.26	4.2
2009 108.0 to 2009 208.0	6.37 ± 0.12	106.9 ± 1.1	0.26	4.3
2009 132.0 to 2009 232.0	6.43 ± 0.12	106.5 ± 1.1	0.32	5.2
2009 156.0 to 2009 256.0	6.30 ± 0.15	105.3 ± 1.4	0.22	3.7
2009 180.0 to 2009 280.0	6.32 ± 0.15	104.2 ± 1.4	0.32	5.2
2009 204.0 to 2009 304.0	6.14 ± 0.16	104.1 ± 1.5	0.25	4.1
2009 228.0 to 2009 328.0	6.23 ± 0.14	103.1 ± 1.3	0.38	6.1
2009 252.0 to 2009 352.0	6.16 ± 0.18	107.9 ± 1.7	0.17	2.7
2009 286.0 to 2010 21.0	6.41 ± 0.23	108.1 ± 2.1	0.35	5.8
2009 320.0 to 2010 55.0	6.27 ± 0.22	108.9 ± 2.0	0.31	5.1
2009 354.0 to 2010 89.0	6.30 ± 0.12	105.1 ± 1.1	0.24	3.9
2010 23.0 to 2010 123.0	6.12 ± 0.18	108.0 ± 1.7	0.17	2.8
2010 57.0 to 2010 157.0	6.01 ± 0.17	108.3 ± 1.6	0.22	3.7
2010 91.0 to 2010 191.0	6.05 ± 0.16	107.6 ± 1.5	0.14	2.3
2010 125.0 to 2010 225.0	5.87 ± 0.09	105.5 ± 0.9	0.26	4.2
2010 159.0 to 2010 259.0	5.88 ± 0.07	105.3 ± 0.7	0.26	4.2
2010 193.0 to 2010 293.0	5.73 ± 0.10	104.5 ± 1.0	0.43	7.0
2010 227.0 to 2010 327.0	5.69 ± 0.14	106.2 ± 1.4	0.42	6.9
2010 261.0 to 2010 361.0	5.59 ± 0.13	105.4 ± 1.3	0.53	8.7
2010 295.0 to 2011 30.0	5.43 ± 0.16	104.7 ± 1.7	0.70	11.5
2010 329.0 to 2011 64.0	5.62 ± 0.14	105.5 ± 1.4	0.50	8.2
2010 363.0 to 2011 98.0	5.66 ± 0.17	108.2 ± 1.7	0.49	8.0
2011 32.0 to 2011 132.0	5.76 ± 0.18	110.9 ± 1.8	0.58	9.5
2011 66.0 to 2011 166.0	5.58 ± 0.18	110.8 ± 1.8	0.69	11.4
2011 100.0 to 2011 200.0	6.12 ± 0.40	109.8 ± 3.7	0.36	5.9
2011 134.0 to 2011 234.0	7.61 ± 1.06	108.0 ± 8.0	1.51	24.7
2011 168.0 to 2011 268.0	6.47 ± 2.05	130.7 ± 18.2	2.67	43.7
2011 202.0 to 2011 302.0	6.60 ± 2.54	138.4 ± 22.1	3.53	57.8
2011 236.0 to 2011 336.0	6.35 ± 3.08	104.2 ± 27.8	0.34	5.5
2011 270.0 to 2012 5.0	8.35 ± 2.43	97.4 ± 16.7	2.50	41.0

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	9.47 ± 1.63	-116.0 ± 9.9	1.52	18.9
2009 36.0 to 2009 136.0	8.70 ± 0.68	-115.4 ± 4.5	0.90	11.2
2009 60.0 to 2009 160.0	9.16 ± 0.59	-117.2 ± 3.7	1.16	14.4
2009 84.0 to 2009 184.0	8.81 ± 0.51	-102.8 ± 3.3	2.60	32.2
2009 108.0 to 2009 208.0	8.63 ± 0.49	-110.8 ± 3.3	1.42	17.6
2009 132.0 to 2009 232.0	7.80 ± 0.47	-116.2 ± 3.5	0.56	6.9
2009 156.0 to 2009 256.0	6.45 ± 0.60	-117.5 ± 5.3	1.64	20.3
2009 180.0 to 2009 280.0	6.22 ± 0.63	-114.3 ± 5.8	1.96	24.3
2009 204.0 to 2009 304.0	5.71 ± 0.64	-115.0 ± 6.4	2.42	30.0
2009 228.0 to 2009 328.0	5.35 ± 0.58	-120.0 ± 6.2	2.71	33.6
2009 252.0 to 2009 352.0	8.14 ± 0.71	-136.4 ± 5.0	2.35	29.1
2009 286.0 to 2010 21.0	5.63 ± 0.93	-135.3 ± 9.5	3.04	37.7
2009 320.0 to 2010 55.0	10.23 ± 0.91	-122.7 ± 5.1	2.22	27.5
2009 354.0 to 2010 89.0	7.84 ± 0.51	-135.2 ± 3.7	2.15	26.6
2010 23.0 to 2010 123.0	9.20 ± 0.71	-118.4 ± 4.4	1.16	14.3
2010 57.0 to 2010 157.0	10.08 ± 0.68	-120.9 ± 3.9	2.03	25.1
2010 91.0 to 2010 191.0	8.08 ± 0.66	-111.4 ± 4.7	1.18	14.6
2010 125.0 to 2010 225.0	8.27 ± 0.37	-114.7 ± 2.6	0.75	9.3
2010 159.0 to 2010 259.0	6.65 ± 0.30	-108.6 ± 2.6	2.01	24.9
2010 193.0 to 2010 293.0	5.33 ± 0.43	-130.1 ± 4.6	2.98	36.9
2010 227.0 to 2010 327.0	5.82 ± 0.55	-103.2 ± 5.4	2.99	37.0
2010 261.0 to 2010 361.0	7.19 ± 0.53	-140.4 ± 4.2	2.86	35.5
2010 295.0 to 2011 30.0	7.16 ± 0.65	-128.0 ± 5.2	1.42	17.6
2010 329.0 to 2011 64.0	7.82 ± 0.57	-123.2 ± 4.2	0.53	6.6
2010 363.0 to 2011 98.0	8.56 ± 0.72	-129.1 ± 4.8	1.44	17.9
2011 32.0 to 2011 132.0	8.68 ± 0.73	-122.9 ± 4.8	0.77	9.5
2011 66.0 to 2011 166.0	8.47 ± 0.72	-121.8 ± 4.9	0.50	6.2
2011 100.0 to 2011 200.0	8.40 ± 1.60	-107.8 ± 10.9	1.75	21.7
2011 134.0 to 2011 234.0	8.36 ± 4.39	-59.7 ± 30.1	8.22	102.0
2011 168.0 to 2011 268.0	24.93 ± 8.27	-118.1 ± 19.0	16.87	209.3
2011 202.0 to 2011 302.0	18.87 ± 10.37	105.3 ± 31.5	25.22	312.8
2011 236.0 to 2011 336.0	10.02 ± 12.47	-61.5 ± 71.3	8.97	111.2
2011 270.0 to 2012 5.0	11.82 ± 9.93	-155.4 ± 48.1	7.06	87.6

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	3.49 ± 0.72	130.6 ± 11.8	0.55	16.6
2009 36.0 to 2009 136.0	3.69 ± 0.30	143.3 ± 4.7	0.46	13.9
2009 60.0 to 2009 160.0	3.27 ± 0.25	145.1 ± 4.4	0.33	10.1
2009 84.0 to 2009 184.0	3.17 ± 0.22	140.9 ± 4.0	0.16	4.8
2009 108.0 to 2009 208.0	3.15 ± 0.20	133.9 ± 3.6	0.34	10.3
2009 132.0 to 2009 232.0	2.59 ± 0.20	138.8 ± 4.4	0.71	21.5
2009 156.0 to 2009 256.0	3.05 ± 0.25	144.7 ± 4.7	0.39	11.8
2009 180.0 to 2009 280.0	3.55 ± 0.26	140.3 ± 4.2	0.26	7.8
2009 204.0 to 2009 304.0	3.32 ± 0.27	136.7 ± 4.7	0.15	4.6
2009 228.0 to 2009 328.0	3.33 ± 0.25	152.1 ± 4.3	0.74	22.4
2009 252.0 to 2009 352.0	4.25 ± 0.30	138.9 ± 4.0	0.95	28.8
2009 286.0 to 2010 21.0	2.57 ± 0.39	137.7 ± 8.7	0.73	22.3
2009 320.0 to 2010 55.0	4.01 ± 0.38	138.4 ± 5.4	0.71	21.6
2009 354.0 to 2010 89.0	3.37 ± 0.23	133.1 ± 3.9	0.37	11.1
2010 23.0 to 2010 123.0	3.46 ± 0.30	145.5 ± 5.0	0.40	12.1
2010 57.0 to 2010 157.0	3.52 ± 0.29	135.5 ± 4.7	0.32	9.6
2010 91.0 to 2010 191.0	3.06 ± 0.28	127.0 ± 5.2	0.72	21.9
2010 125.0 to 2010 225.0	2.83 ± 0.16	135.6 ± 3.2	0.51	15.4
2010 159.0 to 2010 259.0	3.21 ± 0.13	140.6 ± 2.3	0.12	3.5
2010 193.0 to 2010 293.0	3.30 ± 0.18	139.3 ± 3.1	0.00	0.0
2010 227.0 to 2010 327.0	3.23 ± 0.23	138.8 ± 4.1	0.08	2.3
2010 261.0 to 2010 361.0	3.18 ± 0.23	142.8 ± 4.1	0.23	7.0
2010 295.0 to 2011 30.0	3.63 ± 0.28	147.5 ± 4.4	0.59	18.0
2010 329.0 to 2011 64.0	3.43 ± 0.25	141.1 ± 4.2	0.17	5.1
2010 363.0 to 2011 98.0	3.95 ± 0.30	133.0 ± 4.4	0.76	23.1
2011 32.0 to 2011 132.0	3.16 ± 0.30	134.4 ± 5.4	0.31	9.4
2011 66.0 to 2011 166.0	3.59 ± 0.30	135.5 ± 4.8	0.37	11.2
2011 100.0 to 2011 200.0	2.23 ± 0.68	121.1 ± 17.5	1.37	41.6
2011 134.0 to 2011 234.0	4.52 ± 1.84	132.4 ± 23.3	1.31	39.6
2011 168.0 to 2011 268.0	2.82 ± 3.47	159.0 ± 70.5	1.15	34.8
2011 202.0 to 2011 302.0	1.23 ± 4.29	-140.6 ± 199.8	3.32	100.5
2011 236.0 to 2011 336.0	9.09 ± 5.23	135.6 ± 33.0	5.80	175.8
2011 270.0 to 2012 5.0	2.91 ± 4.15	-135.2 ± 81.7	4.23	128.0