B027CH1 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	-7.95773 ± 0.04577	-0.06648	0.8
2009 36.0 to 2009 136.0	-7.98107 ± 0.04556	-0.08982	1.1
2009 60.0 to 2009 160.0	-7.95782 ± 0.04190	-0.06657	0.8
2009 84.0 to 2009 184.0	-7.84017 ± 0.04133	0.05108	-0.6
2009 108.0 to 2009 208.0	-7.84790 ± 0.05136	0.04335	-0.5
2009 132.0 to 2009 232.0	-7.68962 ± 0.05675	0.20163	-2.6
2009 156.0 to 2009 256.0	-7.72580 ± 0.05720	0.16545	-2.1
2009 180.0 to 2009 280.0	-7.76513 ± 0.06272	0.12612	-1.6
2009 204.0 to 2009 304.0	-7.87819 ± 0.04698	0.01306	-0.2
2009 228.0 to 2009 328.0	-8.02694 ± 0.04269	-0.13569	1.7
2009 252.0 to 2009 352.0	-7.92833 ± 0.04209	-0.03708	0.5
2009 286.0 to 2010 21.0	-7.91501 ± 0.04550	-0.02376	0.3
2009 320.0 to 2010 55.0	-7.92887 ± 0.04415	-0.03762	0.5
2009 354.0 to 2010 89.0	-7.93892 ± 0.04468	-0.04767	0.6
2010 23.0 to 2010 123.0	-7.96533 ± 0.04164	-0.07408	0.9
2010 57.0 to 2010 157.0	-7.89125 ± 0.03676	0.00000	-0.0
2010 91.0 to 2010 191.0	-7.79644 ± 0.04455	0.09481	-1.2
2010 125.0 to 2010 225.0	-7.52171 ± 0.05361	0.36954	-4.7
2010 159.0 to 2010 259.0	-7.45339 ± 0.07272	0.43786	-5.5
2010 193.0 to 2010 293.0	-7.74904 ± 0.07143	0.14221	-1.8
2010 227.0 to 2010 327.0	-8.01235 ± 0.07424	-0.12110	1.5
2010 261.0 to 2010 361.0	-8.00558 ± 0.06575	-0.11433	1.4
2010 295.0 to 2011 30.0	-7.90497 ± 0.06275	-0.01372	0.2
2010 329.0 to 2011 64.0	-7.82739 ± 0.06027	0.06386	-0.8
2010 363.0 to 2011 98.0	-7.94505 ± 0.09629	-0.05380	0.7
2011 32.0 to 2011 132.0	-7.94835 ± 0.08805	-0.05710	0.7
2011 66.0 to 2011 166.0	-7.91490 ± 0.09644	-0.02365	0.3
2011 100.0 to 2011 200.0	-7.59912 ± 0.12872	0.29213	-3.7
2011 134.0 to 2011 234.0	-7.52971 ± 0.18012	0.36154	-4.6
2011 168.0 to 2011 268.0	-7.55923 ± 0.20049	0.33202	-4.2
2011 202.0 to 2011 302.0	-7.80997 ± 0.09821	0.08128	-1.0
2011 236.0 to 2011 336.0	-7.89916 ± 0.18779	-0.00791	0.1
2011 270.0 to 2012 5.0	-7.88909 ± 0.17794	0.00216	-0.0

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	11.52 ± 0.06	-152.8 ± 0.3	0.04	0.4
2009 36.0 to 2009 136.0	11.58 ± 0.06	-152.6 ± 0.3	0.04	0.4
2009 60.0 to 2009 160.0	11.50 ± 0.05	-152.5 ± 0.2	0.08	0.7
2009 84.0 to 2009 184.0	11.45 ± 0.04	-152.5 ± 0.2	0.13	1.1
2009 108.0 to 2009 208.0	11.41 ± 0.04	-152.4 ± 0.2	0.17	1.5
2009 132.0 to 2009 232.0	11.38 ± 0.03	-152.5 ± 0.2	0.19	1.7
2009 156.0 to 2009 256.0	11.40 ± 0.03	-152.6 ± 0.2	0.17	1.4
2009 180.0 to 2009 280.0	11.42 ± 0.04	-152.6 ± 0.2	0.15	1.3
2009 204.0 to 2009 304.0	11.47 ± 0.04	-152.8 ± 0.2	0.09	0.8
2009 228.0 to 2009 328.0	11.51 ± 0.04	-152.7 ± 0.2	0.05	0.5
2009 252.0 to 2009 352.0	11.56 ± 0.05	-153.2 ± 0.2	0.08	0.7
2009 286.0 to 2010 21.0	11.51 ± 0.06	-153.1 ± 0.3	0.08	0.7
2009 320.0 to 2010 55.0	11.53 ± 0.06	-154.2 ± 0.3	0.29	2.5
2009 354.0 to 2010 89.0	11.51 ± 0.06	-153.7 ± 0.3	0.19	1.6
2010 23.0 to 2010 123.0	11.52 ± 0.06	-153.7 ± 0.3	0.19	1.6
2010 57.0 to 2010 157.0	11.53 ± 0.05	-153.1 ± 0.2	0.07	0.6
2010 91.0 to 2010 191.0	11.53 ± 0.05	-153.1 ± 0.2	0.07	0.6
2010 125.0 to 2010 225.0	11.56 ± 0.04	-152.9 ± 0.2	0.02	0.2
2010 159.0 to 2010 259.0	11.59 ± 0.04	-152.8 ± 0.2	0.03	0.2
2010 193.0 to 2010 293.0	11.56 ± 0.05	-152.6 ± 0.2	0.04	0.3
2010 227.0 to 2010 327.0	11.63 ± 0.06	-152.6 ± 0.3	0.08	0.7
2010 261.0 to 2010 361.0	11.57 ± 0.07	-152.9 ± 0.3	0.02	0.2
2010 295.0 to 2011 30.0	11.51 ± 0.08	-152.4 ± 0.4	0.09	0.8
2010 329.0 to 2011 64.0	11.48 ± 0.08	-152.4 ± 0.4	0.11	1.0
2010 363.0 to 2011 98.0	11.64 ± 0.11	-152.3 ± 0.5	0.13	1.1
2011 32.0 to 2011 132.0	11.64 ± 0.10	-152.8 ± 0.5	0.08	0.7
2011 66.0 to 2011 166.0	11.68 ± 0.10	-153.0 ± 0.5	0.13	1.1
2011 100.0 to 2011 200.0	11.64 ± 0.11	-152.6 ± 0.5	0.09	0.8
2011 134.0 to 2011 234.0	11.67 ± 0.11	-152.4 ± 0.5	0.13	1.2
2011 168.0 to 2011 268.0	11.63 ± 0.11	-152.0 ± 0.5	0.17	1.5
2011 202.0 to 2011 302.0	11.69 ± 0.06	-152.4 ± 0.3	0.15	1.3
2011 236.0 to 2011 336.0	11.88 ± 0.16	-152.5 ± 0.8	0.32	2.8
2011 270.0 to 2012 5.0	11.76 ± 0.18	-153.2 ± 0.9	0.21	1.9

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	5.15 ± 0.11	-126.0 ± 1.2	0.59	12.0
2009 36.0 to 2009 136.0	5.25 ± 0.12	-123.6 ± 1.3	0.48	9.8
2009 60.0 to 2009 160.0	5.35 ± 0.09	-123.1 ± 1.0	0.54	11.0
2009 84.0 to 2009 184.0	5.23 ± 0.08	-124.0 ± 0.9	0.49	10.0
2009 108.0 to 2009 208.0	5.33 ± 0.09	-124.6 ± 1.0	0.60	12.3
2009 132.0 to 2009 232.0	5.32 ± 0.08	-124.8 ± 0.9	0.61	12.4
2009 156.0 to 2009 256.0	5.17 ± 0.07	-123.7 ± 0.8	0.43	8.8
2009 180.0 to 2009 280.0	5.07 ± 0.09	-123.3 ± 1.0	0.34	6.9
2009 204.0 to 2009 304.0	5.03 ± 0.08	-120.5 ± 0.9	0.14	3.0
2009 228.0 to 2009 328.0	4.82 ± 0.10	-120.1 ± 1.2	0.07	1.5
2009 252.0 to 2009 352.0	5.26 ± 0.11	-122.1 ± 1.2	0.41	8.4
2009 286.0 to 2010 21.0	5.22 ± 0.13	-123.4 ± 1.4	0.45	9.1
2009 320.0 to 2010 55.0	5.35 ± 0.12	-124.2 ± 1.3	0.59	12.1
2009 354.0 to 2010 89.0	4.84 ± 0.12	-123.0 ± 1.4	0.26	5.3
2010 23.0 to 2010 123.0	4.96 ± 0.12	-123.4 ± 1.4	0.30	6.2
2010 57.0 to 2010 157.0	5.00 ± 0.10	-121.5 ± 1.1	0.17	3.5
2010 91.0 to 2010 191.0	4.91 ± 0.10	-120.3 ± 1.2	0.03	0.7
2010 125.0 to 2010 225.0	4.87 ± 0.09	-118.9 ± 1.1	0.09	1.9
2010 159.0 to 2010 259.0	4.80 ± 0.10	-119.3 ± 1.2	0.11	2.2
2010 193.0 to 2010 293.0	4.64 ± 0.10	-118.6 ± 1.2	0.28	5.7
2010 227.0 to 2010 327.0	4.72 ± 0.15	-120.2 ± 1.8	0.17	3.5
2010 261.0 to 2010 361.0	4.73 ± 0.16	-118.2 ± 1.9	0.22	4.5
2010 295.0 to 2011 30.0	4.71 ± 0.17	-116.3 ± 2.1	0.36	7.3
2010 329.0 to 2011 64.0	4.65 ± 0.16	-114.6 ± 2.0	0.51	10.4
2010 363.0 to 2011 98.0	4.84 ± 0.25	-118.4 ± 3.0	0.14	2.9
2011 32.0 to 2011 132.0	5.00 ± 0.23	-119.2 ± 2.6	0.13	2.6
2011 66.0 to 2011 166.0	4.98 ± 0.23	-119.4 ± 2.6	0.10	2.1
2011 100.0 to 2011 200.0	4.63 ± 0.25	-114.6 ± 3.1	0.52	10.6
2011 134.0 to 2011 234.0	4.49 ± 0.25	-116.1 ± 3.2	0.51	10.5
2011 168.0 to 2011 268.0	4.41 ± 0.24	-116.2 ± 3.1	0.57	11.7
2011 202.0 to 2011 302.0	4.34 ± 0.15	-116.3 ± 2.0	0.63	12.8
2011 236.0 to 2011 336.0	4.55 ± 0.37	-116.3 ± 4.7	0.46	9.3
2011 270.0 to 2012 5.0	4.79 ± 0.42	-119.8 ± 5.0	0.10	2.1

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	6.04 ± 0.47	10.5 ± 4.5	1.02	15.6
2009 36.0 to 2009 136.0	5.70 ± 0.50	7.4 ± 5.0	1.47	22.3
2009 60.0 to 2009 160.0	6.15 ± 0.38	12.9 ± 3.5	0.75	11.4
2009 84.0 to 2009 184.0	8.09 ± 0.32	8.8 ± 2.3	1.94	29.6
2009 108.0 to 2009 208.0	7.21 ± 0.36	11.0 ± 2.9	1.09	16.6
2009 132.0 to 2009 232.0	6.95 ± 0.31	17.4 ± 2.6	0.39	5.9
2009 156.0 to 2009 256.0	8.09 ± 0.30	27.6 ± 2.1	1.91	29.0
2009 180.0 to 2009 280.0	7.95 ± 0.38	26.2 ± 2.7	1.69	25.6
2009 204.0 to 2009 304.0	9.03 ± 0.34	30.3 ± 2.2	2.93	44.5
2009 228.0 to 2009 328.0	8.44 ± 0.41	29.8 ± 2.8	2.38	36.1
2009 252.0 to 2009 352.0	5.41 ± 0.43	38.7 ± 4.6	2.40	36.5
2009 286.0 to 2010 21.0	7.78 ± 0.52	35.3 ± 3.8	2.42	36.8
2009 320.0 to 2010 55.0	4.45 ± 0.50	6.0 ± 6.4	2.43	36.9
2009 354.0 to 2010 89.0	5.12 ± 0.49	29.9 ± 5.5	1.86	28.3
2010 23.0 to 2010 123.0	6.09 ± 0.48	10.3 ± 4.5	1.02	15.5
2010 57.0 to 2010 157.0	5.49 ± 0.42	-8.1 ± 4.4	2.96	45.1
2010 91.0 to 2010 191.0	7.44 ± 0.41	11.9 ± 3.2	1.17	17.8
2010 125.0 to 2010 225.0	7.14 ± 0.35	9.5 ± 2.8	1.20	18.3
2010 159.0 to 2010 259.0	7.63 ± 0.40	20.6 ± 3.0	1.09	16.5
2010 193.0 to 2010 293.0	7.63 ± 0.43	39.3 ± 3.2	2.77	42.2
2010 227.0 to 2010 327.0	8.78 ± 0.61	20.9 ± 4.0	2.23	33.8
2010 261.0 to 2010 361.0	5.51 ± 0.66	40.4 ± 6.9	2.53	38.5
2010 295.0 to 2011 30.0	5.53 ± 0.71	30.3 ± 7.4	1.63	24.8
2010 329.0 to 2011 64.0	4.70 ± 0.66	23.8 ± 8.0	1.95	29.6
2010 363.0 to 2011 98.0	4.88 ± 1.03	17.9 ± 12.1	1.70	25.8
2011 32.0 to 2011 132.0	4.61 ± 0.93	-2.4 ± 11.6	2.80	42.5
2011 66.0 to 2011 166.0	5.74 ± 0.95	7.9 ± 9.5	1.40	21.3
2011 100.0 to 2011 200.0	7.55 ± 1.00	0.7 ± 7.6	2.38	36.1
2011 134.0 to 2011 234.0	6.94 ± 1.04	25.2 ± 8.6	0.88	13.3
2011 168.0 to 2011 268.0	6.88 ± 0.98	16.1 ± 8.2	0.41	6.2
2011 202.0 to 2011 302.0	7.20 ± 0.60	29.9 ± 4.8	1.51	23.0
2011 236.0 to 2011 336.0	5.92 ± 1.48	23.4 ± 14.3	0.85	13.0
2011 270.0 to 2012 5.0	9.68 ± 1.72	37.0 ± 10.2	4.03	61.3

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	4.21 ± 0.25	30.9 ± 3.4	0.55	14.4
2009 36.0 to 2009 136.0	3.66 ± 0.26	29.9 ± 4.1	0.33	8.6
2009 60.0 to 2009 160.0	3.74 ± 0.19	23.6 ± 2.9	0.14	3.8
2009 84.0 to 2009 184.0	4.06 ± 0.15	24.4 ± 2.1	0.26	6.7
2009 108.0 to 2009 208.0	4.17 ± 0.16	24.7 ± 2.2	0.36	9.5
2009 132.0 to 2009 232.0	4.17 ± 0.14	17.3 ± 1.9	0.67	17.6
2009 156.0 to 2009 256.0	3.80 ± 0.13	18.7 ± 2.0	0.45	11.8
2009 180.0 to 2009 280.0	3.67 ± 0.16	24.1 ± 2.5	0.17	4.5
2009 204.0 to 2009 304.0	3.91 ± 0.14	24.3 ± 2.1	0.13	3.3
2009 228.0 to 2009 328.0	3.63 ± 0.17	21.7 ± 2.7	0.31	8.0
2009 252.0 to 2009 352.0	3.62 ± 0.20	38.2 ± 3.2	0.85	22.2
2009 286.0 to 2010 21.0	4.42 ± 0.24	15.9 ± 3.1	0.92	24.0
2009 320.0 to 2010 55.0	3.62 ± 0.23	39.1 ± 3.6	0.90	23.6
2009 354.0 to 2010 89.0	3.99 ± 0.23	27.7 ± 3.3	0.23	6.1
2010 23.0 to 2010 123.0	3.70 ± 0.24	27.4 ± 3.7	0.17	4.4
2010 57.0 to 2010 157.0	3.85 ± 0.20	28.1 ± 3.0	0.18	4.7
2010 91.0 to 2010 191.0	4.74 ± 0.18	27.4 ± 2.2	0.94	24.6
2010 125.0 to 2010 225.0	4.05 ± 0.15	21.1 ± 2.1	0.38	10.0
2010 159.0 to 2010 259.0	3.92 ± 0.17	22.7 ± 2.5	0.22	5.7
2010 193.0 to 2010 293.0	3.54 ± 0.18	24.4 ± 2.9	0.28	7.4
2010 227.0 to 2010 327.0	4.30 ± 0.26	23.7 ± 3.5	0.50	13.2
2010 261.0 to 2010 361.0	3.63 ± 0.28	23.0 ± 4.4	0.24	6.4
2010 295.0 to 2011 30.0	3.44 ± 0.31	22.8 ± 5.2	0.41	10.8
2010 329.0 to 2011 64.0	3.83 ± 0.30	24.4 ± 4.5	0.07	1.9
2010 363.0 to 2011 98.0	3.55 ± 0.43	37.1 ± 6.9	0.79	20.7
2011 32.0 to 2011 132.0	4.52 ± 0.38	35.3 ± 4.8	1.00	26.3
2011 66.0 to 2011 166.0	3.73 ± 0.40	26.1 ± 6.1	0.09	2.4
2011 100.0 to 2011 200.0	4.24 ± 0.42	29.4 ± 5.7	0.51	13.3
2011 134.0 to 2011 234.0	4.11 ± 0.44	26.6 ± 6.1	0.31	8.0
2011 168.0 to 2011 268.0	3.61 ± 0.41	17.9 ± 6.5	0.53	13.9
2011 202.0 to 2011 302.0	3.83 ± 0.25	29.4 ± 3.7	0.26	6.9
2011 236.0 to 2011 336.0	3.70 ± 0.62	21.5 ± 9.6	0.28	7.5
2011 270.0 to 2012 5.0	3.48 ± 0.72	12.1 ± 11.9	0.91	23.9