B014CH3 Comparison between current analysis and prior analysis

Pressure comparison			
time interval	Pressure Coef. counts/counts	Difference counts/counts	Percent change
2009 27.0 to 2009 127.0	-3.34261 ± 0.13794	0.13660	-3.9
2009 51.0 to 2009 151.0	-3.40853 ± 0.22960	0.07068	-2.0
2009 76.0 to 2009 176.0	-3.35647 ± 0.21220	0.12274	-3.5
2009 100.0 to 2009 200.0	-3.46431 ± 0.26086	0.01490	-0.4
2009 124.0 to 2009 224.0	-3.70963 ± 0.18372	-0.23042	6.6
2009 148.0 to 2009 248.0	-3.44445 ± 0.29483	0.03476	-1.0
2009 172.0 to 2009 272.0	-3.68653 ± 0.24568	-0.20732	6.0
2009 196.0 to 2009 296.0	-3.87777 ± 0.23972	-0.39856	11.5
2009 220.0 to 2009 320.0	-3.48477 ± 0.21455	-0.00556	0.2
2009 244.0 to 2009 344.0	-3.54584 ± 0.20547	-0.06663	1.9
2009 268.0 to 2010 3.0	-3.47921 ± 0.19384	0.00000	-0.0
2009 302.0 to 2010 37.0	-3.52541 ± 0.14942	-0.04620	1.3
2009 336.0 to 2010 71.0	-3.56678 ± 0.15208	-0.08757	2.5
2010 5.0 to 2010 105.0	-3.56719 ± 0.11545	-0.08798	2.5
2010 39.0 to 2010 139.0	-3.96555 ± 0.19216	-0.48634	14.0
2010 73.0 to 2010 173.0	-3.67255 ± 0.79152	-0.19334	5.6
2010 135.0 to 2010 235.0	-3.12164 ± 0.10260	0.35757	-10.3
2010 169.0 to 2010 269.0	-3.06394 ± 0.17793	0.41527	-11.9
2010 203.0 to 2010 303.0	-3.24794 ± 0.29490	0.23127	-6.6
2010 237.0 to 2010 337.0	-3.31400 ± 0.24907	0.16521	-4.7
2010 271.0 to 2011 6.0	-3.47658 ± 0.17297	0.00263	-0.1
2010 305.0 to 2011 40.0	-3.40705 ± 0.13577	0.07216	-2.1
2010 339.0 to 2011 74.0	-3.60439 ± 0.12363	-0.12518	3.6
2011 8.0 to 2011 108.0	-3.63055 ± 0.11745	-0.15134	4.3
2011 42.0 to 2011 142.0	-3.66406 ± 0.09944	-0.18485	5.3
2011 76.0 to 2011 176.0	-3.49048 ± 0.09603	-0.01127	0.3
2011 110.0 to 2011 210.0	-3.39704 ± 0.09100	0.08217	-2.4
2011 144.0 to 2011 244.0	-3.36836 ± 0.12543	0.11085	-3.2
2011 178.0 to 2011 278.0	-3.76507 ± 0.14067	-0.28586	8.2
2011 212.0 to 2011 312.0	-3.61898 ± 0.23020	-0.13977	4.0
2011 246.0 to 2011 346.0	-3.34580 ± 0.19122	0.13341	-3.8
2011 280.0 to 2012 15.0	-3.41330 ± 0.15617	0.06591	-1.9
2011 314.0 to 2012 49.0	-3.24477 ± 0.14932	0.23444	-6.7

Tidal comparson **M2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 27.0 to 2009 127.0	29.05 ± 0.16	51.7 ± 0.3	0.67	2.3
2009 51.0 to 2009 151.0	29.06 ± 0.26	51.9 ± 0.5	0.75	2.6
2009 76.0 to 2009 176.0	28.81 ± 0.20	52.0 ± 0.4	0.66	2.3
2009 100.0 to 2009 200.0	28.69 ± 0.23	51.9 ± 0.5	0.58	2.0
2009 124.0 to 2009 224.0	28.56 ± 0.15	51.6 ± 0.3	0.42	1.5
2009 148.0 to 2009 248.0	28.58 ± 0.19	51.4 ± 0.4	0.32	1.1
2009 172.0 to 2009 272.0	28.60 ± 0.19	51.5 ± 0.4	0.37	1.3
2009 196.0 to 2009 296.0	28.61 ± 0.21	51.5 ± 0.4	0.37	1.3
2009 220.0 to 2009 320.0	28.63 ± 0.22	51.1 ± 0.4	0.18	0.6
2009 244.0 to 2009 344.0	28.54 ± 0.26	51.0 ± 0.5	0.13	0.4
2009 268.0 to 2010 3.0	28.67 ± 0.25	51.0 ± 0.5	0.15	0.5
2009 302.0 to 2010 37.0	28.61 ± 0.20	50.9 ± 0.4	0.08	0.3
2009 336.0 to 2010 71.0	28.48 ± 0.18	51.0 ± 0.4	0.15	0.5
2010 5.0 to 2010 105.0	28.45 ± 0.15	50.6 ± 0.3	0.15	0.5
2010 39.0 to 2010 139.0	27.75 ± 0.27	50.9 ± 0.6	0.83	2.9
2010 73.0 to 2010 173.0	27.79 ± 0.91	51.0 ± 1.9	0.80	2.8
2010 135.0 to 2010 235.0	28.44 ± 0.07	50.3 ± 0.1	0.27	0.9
2010 169.0 to 2010 269.0	28.42 ± 0.10	50.5 ± 0.2	0.20	0.7
2010 203.0 to 2010 303.0	28.59 ± 0.21	50.5 ± 0.4	0.13	0.5
2010 237.0 to 2010 337.0	28.53 ± 0.25	50.3 ± 0.5	0.23	0.8
2010 271.0 to 2011 6.0	28.81 ± 0.21	50.2 ± 0.4	0.36	1.3
2010 305.0 to 2011 40.0	28.66 ± 0.17	50.0 ± 0.3	0.39	1.4
2010 339.0 to 2011 74.0	28.60 ± 0.16	50.3 ± 0.3	0.23	0.8
2011 8.0 to 2011 108.0	28.44 ± 0.14	50.4 ± 0.3	0.23	0.8
2011 42.0 to 2011 142.0	28.41 ± 0.12	50.4 ± 0.2	0.24	0.9
2011 76.0 to 2011 176.0	28.51 ± 0.09	50.1 ± 0.2	0.34	1.2
2011 110.0 to 2011 210.0	28.49 ± 0.07	49.6 ± 0.1	0.58	2.0
2011 144.0 to 2011 244.0	28.51 ± 0.08	49.8 ± 0.2	0.48	1.7
2011 178.0 to 2011 278.0	28.57 ± 0.09	50.3 ± 0.2	0.23	0.8
2011 212.0 to 2011 312.0	28.61 ± 0.19	50.5 ± 0.4	0.13	0.5
2011 246.0 to 2011 346.0	28.70 ± 0.21	50.7 ± 0.4	0.13	0.4
2011 280.0 to 2012 15.0	28.77 ± 0.20	50.5 ± 0.4	0.23	0.8
2011 314.0 to 2012 49.0	29.02 ± 0.23	50.6 ± 0.5	0.45	1.6

Tidal comparson **O1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 27.0 to 2009 127.0	19.06 ± 0.37	-14.8 ± 1.1	1.46	8.1
2009 51.0 to 2009 151.0	19.07 ± 0.60	-13.5 ± 1.8	1.21	6.7
2009 76.0 to 2009 176.0	19.08 ± 0.47	-12.9 ± 1.4	1.13	6.3
2009 100.0 to 2009 200.0	19.18 ± 0.52	-13.1 ± 1.6	1.25	6.9
2009 124.0 to 2009 224.0	18.94 ± 0.34	-13.3 ± 1.0	1.06	5.9
2009 148.0 to 2009 248.0	19.21 ± 0.44	-14.0 ± 1.3	1.41	7.8
2009 172.0 to 2009 272.0	19.08 ± 0.43	-14.0 ± 1.3	1.31	7.2
2009 196.0 to 2009 296.0	18.87 ± 0.48	-12.8 ± 1.5	0.92	5.1
2009 220.0 to 2009 320.0	19.11 ± 0.52	-12.6 ± 1.6	1.13	6.3
2009 244.0 to 2009 344.0	18.96 ± 0.60	-11.9 ± 1.8	0.94	5.2
2009 268.0 to 2010 3.0	18.99 ± 0.57	-10.9 ± 1.7	0.99	5.5
2009 302.0 to 2010 37.0	18.88 ± 0.45	-12.1 ± 1.4	0.87	4.8
2009 336.0 to 2010 71.0	18.43 ± 0.41	-11.5 ± 1.3	0.40	2.2
2010 5.0 to 2010 105.0	17.86 ± 0.35	-13.4 ± 1.1	0.59	3.2
2010 39.0 to 2010 139.0	18.31 ± 0.51	-5.0 ± 1.6	2.11	11.7
2010 73.0 to 2010 173.0	19.18 ± 2.06	-5.1 ± 6.2	2.40	13.3
2010 135.0 to 2010 235.0	18.36 ± 0.17	-12.1 ± 0.5	0.37	2.0
2010 169.0 to 2010 269.0	17.90 ± 0.24	-12.4 ± 0.8	0.28	1.5
2010 203.0 to 2010 303.0	17.42 ± 0.49	-13.1 ± 1.6	0.76	4.2
2010 237.0 to 2010 337.0	17.45 ± 0.57	-12.0 ± 1.9	0.59	3.3
2010 271.0 to 2011 6.0	17.73 ± 0.48	-9.8 ± 1.6	0.64	3.5
2010 305.0 to 2011 40.0	17.88 ± 0.39	-9.0 ± 1.2	0.83	4.6
2010 339.0 to 2011 74.0	17.43 ± 0.37	-10.4 ± 1.2	0.71	3.9
2011 8.0 to 2011 108.0	16.75 ± 0.33	-11.9 ± 1.1	1.28	7.1
2011 42.0 to 2011 142.0	16.39 ± 0.27	-11.7 ± 0.9	1.64	9.1
2011 76.0 to 2011 176.0	16.61 ± 0.20	-11.7 ± 0.7	1.42	7.9
2011 110.0 to 2011 210.0	16.97 ± 0.16	-11.3 ± 0.5	1.06	5.9
2011 144.0 to 2011 244.0	17.12 ± 0.17	-11.5 ± 0.6	0.91	5.0
2011 178.0 to 2011 278.0	16.65 ± 0.21	-12.0 ± 0.7	1.38	7.7
2011 212.0 to 2011 312.0	16.42 ± 0.44	-10.8 ± 1.5	1.63	9.0
2011 246.0 to 2011 346.0	16.58 ± 0.50	-9.6 ± 1.7	1.57	8.7
2011 280.0 to 2012 15.0	17.33 ± 0.47	-8.9 ± 1.6	1.09	6.0
2011 314.0 to 2012 49.0	16.89 ± 0.53	-8.3 ± 1.8	1.52	8.4

Tidal comparson **K1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 27.0 to 2009 127.0	19.90 ± 1.53	132.0 ± 4.4	1.41	6.9
2009 51.0 to 2009 151.0	22.05 ± 2.43	135.9 ± 6.3	3.39	16.7
2009 76.0 to 2009 176.0	19.65 ± 1.93	124.9 ± 5.6	1.27	6.3
2009 100.0 to 2009 200.0	20.17 ± 2.14	130.2 ± 6.1	0.74	3.7
2009 124.0 to 2009 224.0	18.08 ± 1.47	124.5 ± 4.7	2.48	12.3
2009 148.0 to 2009 248.0	20.26 ± 1.78	127.1 ± 5.0	0.36	1.8
2009 172.0 to 2009 272.0	24.02 ± 1.76	127.5 ± 4.2	3.78	18.7
2009 196.0 to 2009 296.0	20.60 ± 1.95	124.0 ± 5.4	1.51	7.4
2009 220.0 to 2009 320.0	19.88 ± 2.11	125.3 ± 6.1	1.05	5.2
2009 244.0 to 2009 344.0	23.80 ± 2.43	131.0 ± 5.8	3.72	18.4
2009 268.0 to 2010 3.0	21.85 ± 2.34	129.7 ± 6.1	1.70	8.4
2009 302.0 to 2010 37.0	24.43 ± 1.85	133.4 ± 4.3	4.66	23.0
2009 336.0 to 2010 71.0	19.16 ± 1.66	132.4 ± 5.0	1.83	9.1
2010 5.0 to 2010 105.0	21.77 ± 1.41	131.1 ± 3.7	1.87	9.3
2010 39.0 to 2010 139.0	31.19 ± 2.09	132.0 ± 3.8	11.07	54.7
2010 73.0 to 2010 173.0	16.28 ± 8.40	125.8 ± 29.6	4.04	19.9
2010 135.0 to 2010 235.0	19.37 ± 0.70	128.3 ± 2.1	0.88	4.4
2010 169.0 to 2010 269.0	17.78 ± 0.98	124.8 ± 3.2	2.70	13.3
2010 203.0 to 2010 303.0	22.50 ± 2.04	129.3 ± 5.2	2.29	11.3
2010 237.0 to 2010 337.0	19.98 ± 2.29	119.7 ± 6.6	2.96	14.6
2010 271.0 to 2011 6.0	19.55 ± 1.95	132.7 ± 5.7	1.74	8.6
2010 305.0 to 2011 40.0	21.52 ± 1.60	123.0 ± 4.3	2.25	11.1
2010 339.0 to 2011 74.0	18.73 ± 1.48	134.8 ± 4.5	2.73	13.5
2011 8.0 to 2011 108.0	19.41 ± 1.32	119.2 ± 3.9	3.19	15.8
2011 42.0 to 2011 142.0	18.17 ± 1.08	132.8 ± 3.4	2.61	12.9
2011 76.0 to 2011 176.0	18.74 ± 0.80	122.5 ± 2.4	2.43	12.0
2011 110.0 to 2011 210.0	17.58 ± 0.63	128.3 ± 2.1	2.67	13.2
2011 144.0 to 2011 244.0	19.45 ± 0.70	125.0 ± 2.1	1.34	6.6
2011 178.0 to 2011 278.0	19.05 ± 0.87	131.0 ± 2.6	1.56	7.7
2011 212.0 to 2011 312.0	21.32 ± 1.78	129.7 ± 4.8	1.22	6.0
2011 246.0 to 2011 346.0	20.79 ± 2.01	128.9 ± 5.5	0.61	3.0
2011 280.0 to 2012 15.0	19.24 ± 1.90	131.3 ± 5.7	1.49	7.4
2011 314.0 to 2012 49.0	18.89 ± 2.14	131.3 ± 6.5	1.74	8.6

Tidal comparson **S2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 27.0 to 2009 127.0	7.82 ± 0.64	-118.0 ± 4.7	0.53	6.4
2009 51.0 to 2009 151.0	8.94 ± 1.01	-117.0 ± 6.5	0.63	7.6
2009 76.0 to 2009 176.0	8.94 ± 0.80	-115.4 ± 5.1	0.65	7.8
2009 100.0 to 2009 200.0	7.77 ± 0.89	-115.2 ± 6.6	0.57	6.9
2009 124.0 to 2009 224.0	9.79 ± 0.61	-123.6 ± 3.6	1.85	22.3
2009 148.0 to 2009 248.0	8.45 ± 0.76	-115.1 ± 5.2	0.25	3.0
2009 172.0 to 2009 272.0	8.24 ± 0.74	-113.2 ± 5.1	0.48	5.8
2009 196.0 to 2009 296.0	8.01 ± 0.82	-127.6 ± 5.9	1.60	19.3
2009 220.0 to 2009 320.0	7.95 ± 0.88	-109.5 ± 6.3	1.06	12.7
2009 244.0 to 2009 344.0	8.44 ± 1.01	-117.3 ± 6.9	0.17	2.1
2009 268.0 to 2010 3.0	8.40 ± 0.97	-125.4 ± 6.6	1.30	15.6
2009 302.0 to 2010 37.0	8.29 ± 0.77	-110.8 ± 5.3	0.83	10.0
2009 336.0 to 2010 71.0	7.77 ± 0.69	-124.8 ± 5.1	1.28	15.4
2010 5.0 to 2010 105.0	8.43 ± 0.59	-115.0 ± 4.0	0.25	3.0
2010 39.0 to 2010 139.0	8.08 ± 1.09	-81.2 ± 7.7	4.98	59.9
2010 73.0 to 2010 173.0	9.59 ± 3.56	-131.8 ± 21.3	2.70	32.4
2010 135.0 to 2010 235.0	8.51 ± 0.29	-115.2 ± 2.0	0.28	3.3
2010 169.0 to 2010 269.0	7.74 ± 0.41	-115.0 ± 3.0	0.61	7.3
2010 203.0 to 2010 303.0	8.14 ± 0.85	-118.8 ± 6.0	0.37	4.5
2010 237.0 to 2010 337.0	8.57 ± 0.95	-115.1 ± 6.4	0.33	4.0
2010 271.0 to 2011 6.0	8.08 ± 0.80	-124.2 ± 5.7	1.12	13.5
2010 305.0 to 2011 40.0	7.81 ± 0.67	-115.0 ± 4.9	0.55	6.6
2010 339.0 to 2011 74.0	7.96 ± 0.62	-120.8 ± 4.5	0.70	8.5
2011 8.0 to 2011 108.0	8.36 ± 0.55	-111.1 ± 3.8	0.79	9.5
2011 42.0 to 2011 142.0	8.18 ± 0.45	-117.7 ± 3.2	0.22	2.6
2011 76.0 to 2011 176.0	8.22 ± 0.33	-115.2 ± 2.3	0.21	2.5
2011 110.0 to 2011 210.0	8.39 ± 0.26	-117.6 ± 1.8	0.18	2.1
2011 144.0 to 2011 244.0	8.39 ± 0.29	-116.9 ± 2.0	0.10	1.2
2011 178.0 to 2011 278.0	7.79 ± 0.37	-118.4 ± 2.7	0.59	7.0
2011 212.0 to 2011 312.0	8.63 ± 0.74	-117.7 ± 4.9	0.36	4.4
2011 246.0 to 2011 346.0	7.56 ± 0.84	-119.4 ± 6.4	0.85	10.2
2011 280.0 to 2012 15.0	7.79 ± 0.79	-114.9 ± 5.8	0.57	6.9
2011 314.0 to 2012 49.0	8.85 ± 0.89	-119.9 ± 5.8	0.74	8.9