B944CH1 Comparison between current analysis and prior analysis

Pressure comparison			
time interval	Pressure Coef. counts/counts	Difference counts/counts	Percent change
2009 175.0 to 2009 275.0	-4.27440 ± 0.09611	-0.44189	11.5
2009 199.0 to 2009 299.0	-4.01473 ± 0.07243	-0.18222	4.8
2009 223.0 to 2009 323.0	-3.71468 ± 0.08195	0.11783	-3.1
2009 247.0 to 2009 347.0	-3.41819 ± 0.11795	0.41432	-10.8
2009 271.0 to 2010 6.0	-3.39170 ± 0.12470	0.44081	-11.5
2009 305.0 to 2010 40.0	-3.09614 ± 0.09193	0.73637	-19.2
2009 339.0 to 2010 74.0	-3.39861 ± 0.07679	0.43390	-11.3
2010 8.0 to 2010 108.0	-3.15094 ± 0.07702	0.68157	-17.8
2010 42.0 to 2010 142.0	-3.29430 ± 0.08998	0.53821	-14.0
2010 76.0 to 2010 176.0	-3.45772 ± 0.07922	0.37479	-9.8
2010 110.0 to 2010 210.0	-3.78393 ± 0.09604	0.04858	-1.3
2010 144.0 to 2010 244.0	-3.91652 ± 0.14249	-0.08401	2.2
2010 178.0 to 2010 278.0	-3.70832 ± 0.22785	0.12419	-3.2
2010 212.0 to 2010 312.0	-3.66665 ± 0.21550	0.16586	-4.3
2010 246.0 to 2010 346.0	-3.93764 ± 0.11465	-0.10513	2.7
2010 280.0 to 2011 15.0	-3.95790 ± 0.07195	-0.12539	3.3
2010 314.0 to 2011 49.0	-3.96368 ± 0.05687	-0.13117	3.4
2010 348.0 to 2011 83.0	-4.06381 ± 0.03908	-0.23130	6.0
2011 17.0 to 2011 117.0	-4.12793 ± 0.03122	-0.29542	7.7
2011 51.0 to 2011 151.0	-4.12196 ± 0.03298	-0.28945	7.6
2011 85.0 to 2011 185.0	-4.04999 ± 0.05154	-0.21748	5.7
2011 119.0 to 2011 219.0	-3.94029 ± 0.07224	-0.10778	2.8
2011 153.0 to 2011 253.0	-3.91547 ± 0.05086	-0.08296	2.2
2011 187.0 to 2011 287.0	-3.53664 ± 0.14325	0.29587	-7.7
2011 221.0 to 2011 321.0	-3.65797 ± 0.10478	0.17454	-4.6
2011 255.0 to 2011 355.0	-3.97801 ± 0.05199	-0.14550	3.8
2011 289.0 to 2012 24.0	-4.03021 ± 0.04013	-0.19770	5.2
2011 340.0 to 2012 75.0	-4.01702 ± 0.04396	-0.18451	4.8
2012 9.0 to 2012 109.0	-4.09062 ± 0.04786	-0.25811	6.7
2012 43.0 to 2012 143.0	-4.11226 ± 0.04482	-0.27975	7.3
2012 77.0 to 2012 177.0	-4.02285 ± 0.06949	-0.19034	5.0
2012 118.0 to 2012 218.0	-3.62939 ± 0.06990	0.20312	-5.3
2012 159.0 to 2012 259.0	-2.89579 ± 0.07096	0.93672	-24.4
2012 200.0 to 2012 300.0	-2.84955 ± 0.06489	0.98296	-25.6
2012 241.0 to 2012 341.0	-3.43003 ± 0.06836	0.40248	-10.5
2012 282.0 to 2013 16.0	-3.81930 ± 0.06433	0.01321	-0.3
2012 323.0 to 2013 57.0	-3.82107 ± 0.05511	0.01144	-0.3
2012 364.0 to 2013 98.0	-3.89450 ± 0.05462	-0.06199	1.6
2013 39.0 to 2013 139.0	-3.83251 ± 0.07024	0.00000	-0.0

Tidal comparson **M2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 175.0 to 2009 275.0	9.52 ± 0.07	-145.8 ± 0.4	0.06	0.7
2009 199.0 to 2009 299.0	9.45 ± 0.05	-146.2 ± 0.3	0.08	0.8
2009 223.0 to 2009 323.0	9.46 ± 0.06	-145.9 ± 0.4	0.08	0.8
2009 247.0 to 2009 347.0	9.55 ± 0.10	-145.4 ± 0.6	0.13	1.4
2009 271.0 to 2010 6.0	9.48 ± 0.11	-145.8 ± 0.7	0.08	0.8
2009 305.0 to 2010 40.0	9.43 ± 0.07	-145.7 ± 0.4	0.12	1.3
2009 339.0 to 2010 74.0	9.35 ± 0.06	-147.0 ± 0.4	0.22	2.3
2010 8.0 to 2010 108.0	9.41 ± 0.06	-146.5 ± 0.4	0.13	1.4
2010 42.0 to 2010 142.0	9.31 ± 0.08	-147.2 ± 0.5	0.27	2.9
2010 76.0 to 2010 176.0	9.35 ± 0.09	-146.9 ± 0.6	0.21	2.2
2010 110.0 to 2010 210.0	9.45 ± 0.11	-148.4 ± 0.7	0.38	4.0
2010 144.0 to 2010 244.0	9.71 ± 0.17	-147.9 ± 1.0	0.34	3.6
2010 178.0 to 2010 278.0	9.67 ± 0.22	-148.6 ± 1.3	0.43	4.5
2010 212.0 to 2010 312.0	9.79 ± 0.22	-148.3 ± 1.3	0.44	4.7
2010 246.0 to 2010 346.0	9.75 ± 0.15	-148.0 ± 0.9	0.38	4.0
2010 280.0 to 2011 15.0	9.70 ± 0.08	-145.8 ± 0.5	0.18	1.9
2010 314.0 to 2011 49.0	9.65 ± 0.05	-145.7 ± 0.3	0.15	1.5
2010 348.0 to 2011 83.0	9.58 ± 0.04	-145.7 ± 0.2	0.09	1.0
2011 17.0 to 2011 117.0	9.51 ± 0.03	-146.1 ± 0.2	0.02	0.2
2011 51.0 to 2011 151.0	9.53 ± 0.03	-146.3 ± 0.2	0.02	0.2
2011 85.0 to 2011 185.0	9.59 ± 0.04	-146.9 ± 0.2	0.14	1.4
2011 119.0 to 2011 219.0	9.65 ± 0.05	-146.4 ± 0.3	0.13	1.4
2011 153.0 to 2011 253.0	9.65 ± 0.03	-146.1 ± 0.2	0.12	1.3
2011 187.0 to 2011 287.0	9.58 ± 0.09	-145.7 ± 0.5	0.09	1.0
2011 221.0 to 2011 321.0	9.50 ± 0.07	-145.6 ± 0.4	0.10	1.0
2011 255.0 to 2011 355.0	9.42 ± 0.04	-145.0 ± 0.2	0.22	2.3
2011 289.0 to 2012 24.0	9.42 ± 0.04	-145.3 ± 0.2	0.18	1.9
2011 340.0 to 2012 75.0	9.52 ± 0.05	-146.8 ± 0.3	0.10	1.1
2012 9.0 to 2012 109.0	9.55 ± 0.05	-147.8 ± 0.3	0.27	2.9
2012 43.0 to 2012 143.0	9.50 ± 0.04	-148.7 ± 0.2	0.42	4.4
2012 77.0 to 2012 177.0	9.38 ± 0.06	-149.8 ± 0.4	0.62	6.5
2012 118.0 to 2012 218.0	9.41 ± 0.05	-150.0 ± 0.3	0.64	6.8
2012 159.0 to 2012 259.0	9.53 ± 0.05	-147.9 ± 0.3	0.29	3.0
2012 200.0 to 2012 300.0	9.52 ± 0.04	-145.9 ± 0.2	0.05	0.5
2012 241.0 to 2012 341.0	9.47 ± 0.06	-144.9 ± 0.4	0.22	2.3
2012 282.0 to 2013 16.0	9.43 ± 0.06	-145.4 ± 0.4	0.16	1.7
2012 323.0 to 2013 57.0	9.37 ± 0.05	-146.1 ± 0.3	0.16	1.7
2012 364.0 to 2013 98.0	9.47 ± 0.04	-145.9 ± 0.2	0.07	0.8
2013 39.0 to 2013 139.0	9.71 ± 0.06	-145.2 ± 0.4	0.25	2.6

Tidal comparson **O1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 175.0 to 2009 275.0	4.09 ± 0.13	131.0 ± 1.8	0.49	12.7
2009 199.0 to 2009 299.0	4.18 ± 0.10	136.7 ± 1.4	0.31	8.1
2009 223.0 to 2009 323.0	4.24 ± 0.11	135.1 ± 1.5	0.40	10.4
2009 247.0 to 2009 347.0	4.25 ± 0.21	132.9 ± 2.8	0.49	12.7
2009 271.0 to 2010 6.0	4.52 ± 0.23	134.4 ± 2.9	0.69	17.7
2009 305.0 to 2010 40.0	4.48 ± 0.16	133.9 ± 2.0	0.66	17.1
2009 339.0 to 2010 74.0	4.57 ± 0.13	134.8 ± 1.6	0.73	18.7
2010 8.0 to 2010 108.0	4.32 ± 0.15	134.1 ± 2.0	0.51	13.1
2010 42.0 to 2010 142.0	4.02 ± 0.18	132.0 ± 2.6	0.40	10.2
2010 76.0 to 2010 176.0	3.98 ± 0.17	135.0 ± 2.4	0.19	5.0
2010 110.0 to 2010 210.0	3.62 ± 0.18	139.1 ± 2.8	0.27	7.1
2010 144.0 to 2010 244.0	3.76 ± 0.26	141.5 ± 4.0	0.30	7.7
2010 178.0 to 2010 278.0	4.59 ± 0.37	146.1 ± 4.6	0.97	25.0
2010 212.0 to 2010 312.0	5.04 ± 0.38	146.9 ± 4.3	1.38	35.8
2010 246.0 to 2010 346.0	4.29 ± 0.26	146.0 ± 3.5	0.75	19.3
2010 280.0 to 2011 15.0	4.27 ± 0.15	142.1 ± 2.0	0.53	13.6
2010 314.0 to 2011 49.0	3.98 ± 0.12	135.8 ± 1.7	0.15	3.9
2010 348.0 to 2011 83.0	3.84 ± 0.08	135.9 ± 1.2	0.10	2.6
2011 17.0 to 2011 117.0	3.87 ± 0.06	136.7 ± 0.9	0.04	1.1
2011 51.0 to 2011 151.0	3.88 ± 0.06	137.6 ± 0.9	0.02	0.6
2011 85.0 to 2011 185.0	3.92 ± 0.08	136.5 ± 1.2	0.08	1.9
2011 119.0 to 2011 219.0	3.93 ± 0.10	136.7 ± 1.5	0.07	1.9
2011 153.0 to 2011 253.0	3.84 ± 0.06	136.2 ± 0.9	0.08	2.1
2011 187.0 to 2011 287.0	3.90 ± 0.20	139.6 ± 2.9	0.16	4.1
2011 221.0 to 2011 321.0	3.80 ± 0.16	140.2 ± 2.4	0.21	5.3
2011 255.0 to 2011 355.0	3.73 ± 0.09	136.7 ± 1.4	0.14	3.7
2011 289.0 to 2012 24.0	3.73 ± 0.09	135.0 ± 1.4	0.21	5.3
2011 340.0 to 2012 75.0	3.66 ± 0.10	135.7 ± 1.6	0.23	6.0
2012 9.0 to 2012 109.0	3.48 ± 0.10	138.6 ± 1.6	0.40	10.3
2012 43.0 to 2012 143.0	3.47 ± 0.08	141.5 ± 1.3	0.48	12.4
2012 77.0 to 2012 177.0	3.46 ± 0.12	140.9 ± 2.0	0.47	12.1
2012 118.0 to 2012 218.0	3.68 ± 0.10	140.6 ± 1.6	0.29	7.4
2012 159.0 to 2012 259.0	3.73 ± 0.10	140.2 ± 1.5	0.24	6.1
2012 200.0 to 2012 300.0	3.56 ± 0.09	139.7 ± 1.4	0.35	8.9
2012 241.0 to 2012 341.0	3.43 ± 0.12	137.3 ± 2.0	0.44	11.3
2012 282.0 to 2013 16.0	3.55 ± 0.13	138.0 ± 2.1	0.32	8.3
2012 323.0 to 2013 57.0	3.42 ± 0.10	139.3 ± 1.7	0.47	12.0
2012 364.0 to 2013 98.0	3.32 ± 0.09	140.4 ± 1.6	0.58	15.0
2013 39.0 to 2013 139.0	3.92 ± 0.12	135.2 ± 1.8	0.15	3.9

Tidal comparson **K1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 175.0 to 2009 275.0	2.52 ± 0.55	-130.1 ± 12.5	2.11	59.4
2009 199.0 to 2009 299.0	3.41 ± 0.43	-72.1 ± 7.2	1.35	38.0
2009 223.0 to 2009 323.0	4.50 ± 0.69	-110.7 ± 8.8	1.48	41.6
2009 247.0 to 2009 347.0	3.08 ± 0.86	-95.0 ± 16.0	0.48	13.4
2009 271.0 to 2010 6.0	3.50 ± 0.96	-96.4 ± 15.7	0.14	3.9
2009 305.0 to 2010 40.0	3.15 ± 0.66	-90.7 ± 12.0	0.46	12.9
2009 339.0 to 2010 74.0	5.43 ± 0.54	-103.9 ± 5.7	2.01	56.6
2010 8.0 to 2010 108.0	6.12 ± 0.60	-101.3 ± 5.6	2.63	73.8
2010 42.0 to 2010 142.0	5.79 ± 0.74	-98.5 ± 7.3	2.26	63.5
2010 76.0 to 2010 176.0	6.29 ± 0.69	-80.3 ± 6.3	2.97	83.4
2010 110.0 to 2010 210.0	10.67 ± 0.77	-103.0 ± 4.1	7.17	201.7
2010 144.0 to 2010 244.0	7.11 ± 3.42	-54.3 ± 27.6	4.95	139.1
2010 178.0 to 2010 278.0	10.44 ± 1.57	-88.9 ± 8.6	6.91	194.2
2010 212.0 to 2010 312.0	8.84 ± 1.62	162.9 ± 10.5	10.23	287.7
2010 246.0 to 2010 346.0	6.19 ± 1.07	-114.8 ± 9.9	3.12	87.6
2010 280.0 to 2011 15.0	1.32 ± 0.62	132.3 ± 26.9	4.57	128.4
2010 314.0 to 2011 49.0	4.67 ± 0.50	-78.6 ± 6.1	1.58	44.3
2010 348.0 to 2011 83.0	4.60 ± 0.32	-97.9 ± 4.0	1.07	30.2
2011 17.0 to 2011 117.0	4.43 ± 0.24	-88.4 ± 3.1	0.96	27.1
2011 51.0 to 2011 151.0	3.46 ± 0.23	-87.4 ± 3.8	0.43	12.2
2011 85.0 to 2011 185.0	3.67 ± 0.35	-104.9 ± 5.5	0.68	19.0
2011 119.0 to 2011 219.0	2.83 ± 0.43	-77.9 ± 8.7	1.16	32.7
2011 153.0 to 2011 253.0	4.25 ± 0.25	-109.8 ± 3.4	1.26	35.3
2011 187.0 to 2011 287.0	2.52 ± 0.80	-79.3 ± 18.2	1.30	36.5
2011 221.0 to 2011 321.0	4.42 ± 0.66	-121.6 ± 8.6	2.06	57.9
2011 255.0 to 2011 355.0	3.20 ± 0.38	-109.7 ± 6.8	0.97	27.3
2011 289.0 to 2012 24.0	3.77 ± 0.35	-111.6 ± 5.3	1.12	31.5
2011 340.0 to 2012 75.0	2.30 ± 0.41	-83.1 ± 10.2	1.38	38.7
2012 9.0 to 2012 109.0	5.08 ± 0.42	-80.0 ± 4.7	1.86	52.2
2012 43.0 to 2012 143.0	3.11 ± 0.34	-104.9 ± 6.3	0.76	21.3
2012 77.0 to 2012 177.0	2.82 ± 0.49	-77.8 ± 10.0	1.17	32.9
2012 118.0 to 2012 218.0	2.25 ± 0.44	-2.2 ± 11.2	4.28	120.3
2012 159.0 to 2012 259.0	4.59 ± 0.41	-76.8 ± 5.1	1.61	45.2
2012 200.0 to 2012 300.0	0.89 ± 0.41	-22.8 ± 26.4	3.38	95.1
2012 241.0 to 2012 341.0	2.62 ± 0.50	-57.0 ± 10.9	2.17	60.9
2012 282.0 to 2013 16.0	2.95 ± 0.52	-92.2 ± 10.1	0.62	17.4
2012 323.0 to 2013 57.0	3.71 ± 0.42	-86.7 ± 6.5	0.51	14.3
2012 364.0 to 2013 98.0	4.88 ± 0.38	-101.7 ± 4.5	1.43	40.1
2013 39.0 to 2013 139.0	7.33 ± 0.49	-108.5 ± 3.8	3.98	111.8

Tidal comparson **S2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 175.0 to 2009 275.0	6.14 ± 0.29	22.3 ± 2.7	1.64	33.4
2009 199.0 to 2009 299.0	4.70 ± 0.20	28.9 ± 2.4	0.44	8.9
2009 223.0 to 2009 323.0	3.05 ± 0.32	38.6 ± 6.0	1.89	38.4
2009 247.0 to 2009 347.0	4.24 ± 0.39	43.6 ± 5.3	1.04	21.2
2009 271.0 to 2010 6.0	5.00 ± 0.43	26.0 ± 4.9	0.66	13.4
2009 305.0 to 2010 40.0	4.73 ± 0.29	43.1 ± 3.5	0.82	16.8
2009 339.0 to 2010 74.0	5.52 ± 0.23	44.7 ± 2.4	1.19	24.2
2010 8.0 to 2010 108.0	4.91 ± 0.25	37.4 ± 2.9	0.33	6.8
2010 42.0 to 2010 142.0	5.43 ± 0.33	35.2 ± 3.5	0.55	11.2
2010 76.0 to 2010 176.0	5.53 ± 0.34	31.0 ± 3.5	0.67	13.6
2010 110.0 to 2010 210.0	11.22 ± 0.44	33.8 ± 2.2	6.32	128.8
2010 144.0 to 2010 244.0	9.62 ± 1.43	44.8 ± 8.5	4.91	100.0
2010 178.0 to 2010 278.0	7.31 ± 0.88	40.6 ± 6.9	2.52	51.3
2010 212.0 to 2010 312.0	8.82 ± 0.86	8.2 ± 5.6	4.86	99.2
2010 246.0 to 2010 346.0	7.49 ± 0.58	44.0 ± 4.4	2.81	57.4
2010 280.0 to 2011 15.0	1.52 ± 0.30	29.1 ± 11.3	3.39	69.1
2010 314.0 to 2011 49.0	5.02 ± 0.22	32.7 ± 2.5	0.14	2.8
2010 348.0 to 2011 83.0	4.78 ± 0.14	34.5 ± 1.7	0.15	3.0
2011 17.0 to 2011 117.0	4.93 ± 0.11	34.4 ± 1.3	0.08	1.6
2011 51.0 to 2011 151.0	4.68 ± 0.11	29.4 ± 1.3	0.41	8.4
2011 85.0 to 2011 185.0	4.99 ± 0.16	33.7 ± 1.8	0.09	1.8
2011 119.0 to 2011 219.0	4.34 ± 0.20	30.0 ± 2.6	0.63	12.9
2011 153.0 to 2011 253.0	5.21 ± 0.13	26.7 ± 1.4	0.67	13.7
2011 187.0 to 2011 287.0	4.75 ± 0.34	30.6 ± 4.1	0.29	5.9
2011 221.0 to 2011 321.0	4.58 ± 0.28	36.3 ± 3.5	0.40	8.1
2011 255.0 to 2011 355.0	3.81 ± 0.17	37.1 ± 2.6	1.13	23.0
2011 289.0 to 2012 24.0	4.98 ± 0.16	23.5 ± 1.8	0.87	17.7
2011 340.0 to 2012 75.0	4.95 ± 0.20	39.1 ± 2.3	0.48	9.8
2012 9.0 to 2012 109.0	4.63 ± 0.20	32.6 ± 2.5	0.28	5.8
2012 43.0 to 2012 143.0	5.15 ± 0.16	28.5 ± 1.8	0.50	10.3
2012 77.0 to 2012 177.0	4.78 ± 0.23	25.8 ± 2.8	0.66	13.5
2012 118.0 to 2012 218.0	5.02 ± 0.20	27.4 ± 2.3	0.54	11.0
2012 159.0 to 2012 259.0	4.75 ± 0.18	34.2 ± 2.2	0.16	3.3
2012 200.0 to 2012 300.0	4.37 ± 0.17	22.9 ± 2.2	1.01	20.6
2012 241.0 to 2012 341.0	4.98 ± 0.21	26.2 ± 2.4	0.63	12.9
2012 282.0 to 2013 16.0	5.00 ± 0.23	40.5 ± 2.6	0.61	12.5
2012 323.0 to 2013 57.0	4.79 ± 0.18	35.7 ± 2.2	0.22	4.4
2012 364.0 to 2013 98.0	4.99 ± 0.17	41.7 ± 2.0	0.71	14.5
2013 39.0 to 2013 139.0	6.30 ± 0.22	34.0 ± 2.0	1.40	28.5