B944CH2 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	-6.82391 ± 0.07369	-0.21683	3.3
2009 199.0 to 2009 299.0	-6.63638 ± 0.08234	-0.02930	0.4
2009 223.0 to 2009 323.0	-6.10201 ± 0.09388	0.50507	-7.6
2009 247.0 to 2009 347.0	-6.19826 ± 0.09158	0.40882	-6.2
2009 271.0 to 2010 6.0	-6.11156 ± 0.10073	0.49552	-7.5
2009 305.0 to 2010 40.0	-5.74259 ± 0.08852	0.86449	-13.1
2009 339.0 to 2010 74.0	-5.82266 ± 0.08641	0.78442	-11.9
2010 8.0 to 2010 108.0	-5.58430 ± 0.08280	1.02278	-15.5
2010 42.0 to 2010 142.0	-5.45735 ± 0.09287	1.14973	-17.4
2010 76.0 to 2010 176.0	-5.57933 ± 0.09286	1.02775	-15.6
2010 110.0 to 2010 210.0	-5.50136 ± 0.10176	1.10572	-16.7
2010 144.0 to 2010 244.0	-5.65671 ± 0.12018	0.95037	-14.4
2010 178.0 to 2010 278.0	-6.49910 ± 0.06155	0.10798	-1.6
2010 212.0 to 2010 312.0	-6.49044 ± 0.06232	0.11664	-1.8
2010 246.0 to 2010 346.0	-6.70586 ± 0.05804	-0.09878	1.5
2010 280.0 to 2011 15.0	-6.91084 ± 0.06353	-0.30376	4.6
2010 314.0 to 2011 49.0	-7.01348 ± 0.04971	-0.40640	6.2
2010 348.0 to 2011 83.0	-7.08550 ± 0.04726	-0.47842	7.2
2011 17.0 to 2011 117.0	-7.11589 ± 0.05237	-0.50881	7.7
2011 51.0 to 2011 151.0	-7.06696 ± 0.06260	-0.45988	7.0
2011 85.0 to 2011 185.0	-6.94056 ± 0.07566	-0.33348	5.0
2011 119.0 to 2011 219.0	-6.80350 ± 0.07287	-0.19642	3.0
2011 153.0 to 2011 253.0	-6.61686 ± 0.07648	-0.00978	0.1
2011 187.0 to 2011 287.0	-6.56898 ± 0.06677	0.03810	-0.6
2011 221.0 to 2011 321.0	-6.47747 ± 0.06300	0.12961	-2.0
2011 255.0 to 2011 355.0	-6.84882 ± 0.05894	-0.24174	3.7
2011 289.0 to 2012 24.0	-6.99866 ± 0.06108	-0.39158	5.9
2011 340.0 to 2012 75.0	-6.95985 ± 0.05619	-0.35277	5.3
2012 9.0 to 2012 109.0	-7.01082 ± 0.05861	-0.40374	6.1
2012 43.0 to 2012 143.0	-6.97945 ± 0.06421	-0.37237	5.6
2012 77.0 to 2012 177.0	-6.98772 ± 0.06213	-0.38064	5.8
2012 118.0 to 2012 218.0	-6.67586 ± 0.07392	-0.06878	1.0
2012 159.0 to 2012 259.0	-5.69965 ± 0.09057	0.90743	-13.7
2012 200.0 to 2012 300.0	-5.49631 ± 0.07790	1.11077	-16.8
2012 241.0 to 2012 341.0	-6.26866 ± 0.06097	0.33842	-5.1
2012 282.0 to 2013 16.0	-6.57712 ± 0.05749	0.02996	-0.5
2012 323.0 to 2013 57.0	-6.60708 ± 0.05699	0.00000	-0.0
2012 364.0 to 2013 98.0	-6.66851 ± 0.05841	-0.06143	0.9
2013 39.0 to 2013 139.0	-6.48275 ± 0.06365	0.12433	-1.9

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	1.15 ± 0.06	101.9 ± 3.0	0.08	6.8
2009 199.0 to 2009 299.0	1.17 ± 0.06	99.4 ± 2.9	0.03	2.2
2009 223.0 to 2009 323.0	1.15 ± 0.07	100.6 ± 3.5	0.06	4.7
2009 247.0 to 2009 347.0	1.05 ± 0.09	98.1 ± 4.9	0.13	10.7
2009 271.0 to 2010 6.0	1.18 ± 0.10	92.7 ± 4.9	0.11	9.6
2009 305.0 to 2010 40.0	1.22 ± 0.08	87.4 ± 3.8	0.23	19.5
2009 339.0 to 2010 74.0	1.31 ± 0.07	93.5 ± 3.1	0.17	14.3
2010 8.0 to 2010 108.0	1.13 ± 0.08	94.4 ± 4.1	0.09	7.5
2010 42.0 to 2010 142.0	1.12 ± 0.09	94.6 ± 4.6	0.09	7.7
2010 76.0 to 2010 176.0	1.11 ± 0.09	93.2 ± 4.6	0.12	10.1
2010 110.0 to 2010 210.0	1.22 ± 0.09	95.6 ± 4.2	0.07	5.9
2010 144.0 to 2010 244.0	1.20 ± 0.09	95.1 ± 4.3	0.07	5.8
2010 178.0 to 2010 278.0	1.18 ± 0.05	98.4 ± 2.4	0.01	0.5
2010 212.0 to 2010 312.0	1.16 ± 0.05	102.6 ± 2.5	0.09	7.8
2010 246.0 to 2010 346.0	1.19 ± 0.05	103.6 ± 2.4	0.11	9.6
2010 280.0 to 2011 15.0	1.22 ± 0.06	103.1 ± 2.8	0.11	9.5
2010 314.0 to 2011 49.0	1.21 ± 0.05	100.1 ± 2.4	0.05	4.5
2010 348.0 to 2011 83.0	1.20 ± 0.04	98.0 ± 1.9	0.02	2.1
2011 17.0 to 2011 117.0	1.26 ± 0.05	96.3 ± 2.3	0.09	7.9
2011 51.0 to 2011 151.0	1.25 ± 0.05	97.3 ± 2.3	0.08	6.5
2011 85.0 to 2011 185.0	1.22 ± 0.05	98.9 ± 2.3	0.05	4.0
2011 119.0 to 2011 219.0	1.09 ± 0.05	101.0 ± 2.6	0.10	8.7
2011 153.0 to 2011 253.0	1.08 ± 0.05	102.7 ± 2.7	0.13	11.1
2011 187.0 to 2011 287.0	1.10 ± 0.05	101.1 ± 2.6	0.10	8.1
2011 221.0 to 2011 321.0	1.18 ± 0.04	100.6 ± 1.9	0.05	4.3
2011 255.0 to 2011 355.0	1.23 ± 0.05	96.8 ± 2.3	0.06	5.2
2011 289.0 to 2012 24.0	1.16 ± 0.06	95.7 ± 3.0	0.05	4.5
2011 340.0 to 2012 75.0	1.16 ± 0.05	97.3 ± 2.5	0.02	2.0
2012 9.0 to 2012 109.0	1.16 ± 0.05	101.2 ± 2.5	0.06	5.4
2012 43.0 to 2012 143.0	1.23 ± 0.05	102.0 ± 2.3	0.10	8.3
2012 77.0 to 2012 177.0	1.21 ± 0.05	96.2 ± 2.4	0.05	4.5
2012 118.0 to 2012 218.0	1.15 ± 0.05	93.3 ± 2.5	0.10	8.7
2012 159.0 to 2012 259.0	1.17 ± 0.06	96.3 ± 2.9	0.04	3.3
2012 200.0 to 2012 300.0	1.20 ± 0.05	98.1 ± 2.4	0.02	2.1
2012 241.0 to 2012 341.0	1.17 ± 0.05	95.9 ± 2.4	0.05	4.0
2012 282.0 to 2013 16.0	1.30 ± 0.05	96.4 ± 2.2	0.13	11.1
2012 323.0 to 2013 57.0	1.34 ± 0.05	97.6 ± 2.1	0.16	14.0
2012 364.0 to 2013 98.0	1.30 ± 0.05	103.0 ± 2.2	0.16	13.8
2013 39.0 to 2013 139.0	1.15 ± 0.05	101.3 ± 2.5	0.07	5.8

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	1.10 ± 0.10	128.6 ± 5.2	0.15	12.3
2009 199.0 to 2009 299.0	1.15 ± 0.12	132.3 ± 6.0	0.12	9.2
2009 223.0 to 2009 323.0	1.27 ± 0.13	131.1 ± 5.9	0.03	2.7
2009 247.0 to 2009 347.0	1.32 ± 0.17	125.3 ± 7.4	0.12	9.7
2009 271.0 to 2010 6.0	1.63 ± 0.20	131.8 ± 7.0	0.38	30.4
2009 305.0 to 2010 40.0	1.65 ± 0.16	136.4 ± 5.6	0.43	34.4
2009 339.0 to 2010 74.0	1.73 ± 0.15	135.3 ± 5.0	0.50	39.7
2010 8.0 to 2010 108.0	1.49 ± 0.16	132.7 ± 6.2	0.25	19.7
2010 42.0 to 2010 142.0	1.63 ± 0.19	114.9 ± 6.7	0.53	42.2
2010 76.0 to 2010 176.0	1.46 ± 0.19	124.4 ± 7.5	0.24	19.4
2010 110.0 to 2010 210.0	1.22 ± 0.17	127.8 ± 8.0	0.05	4.3
2010 144.0 to 2010 244.0	1.07 ± 0.18	145.9 ± 9.6	0.37	29.7
2010 178.0 to 2010 278.0	1.22 ± 0.09	131.6 ± 4.2	0.05	4.1
2010 212.0 to 2010 312.0	1.18 ± 0.10	130.3 ± 4.9	0.07	5.9
2010 246.0 to 2010 346.0	1.27 ± 0.10	132.5 ± 4.5	0.06	5.0
2010 280.0 to 2011 15.0	1.33 ± 0.13	137.1 ± 5.6	0.18	14.5
2010 314.0 to 2011 49.0	1.40 ± 0.11	129.6 ± 4.5	0.15	11.8
2010 348.0 to 2011 83.0	1.23 ± 0.10	122.7 ± 4.7	0.16	12.4
2011 17.0 to 2011 117.0	1.15 ± 0.10	124.1 ± 5.0	0.16	12.6
2011 51.0 to 2011 151.0	1.15 ± 0.11	126.8 ± 5.5	0.12	9.6
2011 85.0 to 2011 185.0	1.21 ± 0.12	131.5 ± 5.7	0.06	4.5
2011 119.0 to 2011 219.0	1.37 ± 0.10	132.5 ± 4.2	0.13	10.6
2011 153.0 to 2011 253.0	1.36 ± 0.10	128.0 ± 4.2	0.11	9.2
2011 187.0 to 2011 287.0	1.28 ± 0.09	127.8 ± 4.0	0.05	4.1
2011 221.0 to 2011 321.0	1.10 ± 0.09	124.3 ± 4.7	0.19	15.1
2011 255.0 to 2011 355.0	1.21 ± 0.11	127.3 ± 5.2	0.07	5.5
2011 289.0 to 2012 24.0	1.26 ± 0.14	116.6 ± 6.4	0.29	23.1
2011 340.0 to 2012 75.0	1.29 ± 0.12	124.2 ± 5.3	0.13	10.3
2012 9.0 to 2012 109.0	1.08 ± 0.12	134.7 ± 6.4	0.20	15.9
2012 43.0 to 2012 143.0	0.96 ± 0.12	135.8 ± 7.2	0.31	25.1
2012 77.0 to 2012 177.0	1.05 ± 0.11	135.3 ± 6.0	0.23	18.4
2012 118.0 to 2012 218.0	1.40 ± 0.11	138.7 ± 4.5	0.25	20.2
2012 159.0 to 2012 259.0	1.45 ± 0.13	145.9 ± 5.1	0.43	34.0
2012 200.0 to 2012 300.0	1.18 ± 0.12	132.7 ± 5.8	0.10	7.6
2012 241.0 to 2012 341.0	0.98 ± 0.11	120.7 ± 6.4	0.32	25.9
2012 282.0 to 2013 16.0	1.43 ± 0.12	126.0 ± 4.8	0.20	15.8
2012 323.0 to 2013 57.0	1.43 ± 0.11	126.0 ± 4.4	0.20	15.8
2012 364.0 to 2013 98.0	1.57 ± 0.10	128.9 ± 3.6	0.32	25.4
2013 39.0 to 2013 139.0	1.47 ± 0.11	133.2 ± 4.3	0.23	18.5

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	1.15 ± 0.42	-73.0 ± 20.9	1.30	71.8
2009 199.0 to 2009 299.0	0.21 ± 0.50	29.9 ± 136.4	1.99	110.1
2009 223.0 to 2009 323.0	2.04 ± 0.79	-115.1 ± 22.2	0.26	14.5
2009 247.0 to 2009 347.0	1.15 ± 0.72	167.3 ± 35.9	1.86	102.8
2009 271.0 to 2010 6.0	1.03 ± 0.82	132.3 ± 45.6	2.35	130.3
2009 305.0 to 2010 40.0	2.12 ± 0.68	-159.9 ± 18.4	1.41	78.3
2009 339.0 to 2010 74.0	4.58 ± 0.61	-116.8 ± 7.6	2.78	153.7
2010 8.0 to 2010 108.0	4.72 ± 0.66	-138.0 ± 8.0	3.08	170.3
2010 42.0 to 2010 142.0	3.63 ± 0.78	-107.8 ± 12.3	1.89	104.5
2010 76.0 to 2010 176.0	4.63 ± 0.78	-76.5 ± 9.7	3.51	194.2
2010 110.0 to 2010 210.0	4.08 ± 0.71	-113.2 ± 10.0	2.29	126.8
2010 144.0 to 2010 244.0	1.83 ± 2.40	24.9 ± 75.1	3.45	191.2
2010 178.0 to 2010 278.0	3.23 ± 0.38	-122.9 ± 6.7	1.44	79.5
2010 212.0 to 2010 312.0	2.84 ± 0.41	-168.4 ± 8.3	2.17	120.1
2010 246.0 to 2010 346.0	1.81 ± 0.43	-109.4 ± 13.6	0.29	16.1
2010 280.0 to 2011 15.0	2.38 ± 0.52	-137.8 ± 12.5	0.90	49.7
2010 314.0 to 2011 49.0	1.62 ± 0.44	-80.0 ± 15.6	1.15	63.5
2010 348.0 to 2011 83.0	2.32 ± 0.41	-127.0 ± 10.1	0.59	32.9
2011 17.0 to 2011 117.0	1.78 ± 0.43	-81.0 ± 13.8	1.16	64.1
2011 51.0 to 2011 151.0	0.58 ± 0.46	-141.3 ± 45.4	1.29	71.4
2011 85.0 to 2011 185.0	2.23 ± 0.50	-116.5 ± 12.8	0.43	23.9
2011 119.0 to 2011 219.0	1.55 ± 0.43	128.5 ± 15.9	2.80	155.0
2011 153.0 to 2011 253.0	3.18 ± 0.40	-120.2 ± 7.2	1.38	76.2
2011 187.0 to 2011 287.0	2.84 ± 0.36	166.2 ± 7.3	2.95	163.3
2011 221.0 to 2011 321.0	2.99 ± 0.39	-143.8 ± 7.5	1.56	86.3
2011 255.0 to 2011 355.0	3.07 ± 0.44	-159.1 ± 8.2	2.06	114.2
2011 289.0 to 2012 24.0	1.22 ± 0.55	-175.7 ± 25.8	1.53	85.0
2011 340.0 to 2012 75.0	0.81 ± 0.50	129.5 ± 35.4	2.24	123.9
2012 9.0 to 2012 109.0	2.47 ± 0.48	-74.4 ± 11.1	1.72	95.4
2012 43.0 to 2012 143.0	1.76 ± 0.48	-154.0 ± 15.6	1.08	60.0
2012 77.0 to 2012 177.0	1.19 ± 0.43	-128.8 ± 20.7	0.67	37.0
2012 118.0 to 2012 218.0	6.28 ± 0.47	50.9 ± 4.3	8.06	446.5
2012 159.0 to 2012 259.0	3.48 ± 0.53	-84.7 ± 8.7	2.22	123.1
2012 200.0 to 2012 300.0	4.41 ± 0.49	91.1 ± 6.4	6.04	334.8
2012 241.0 to 2012 341.0	1.46 ± 0.45	-13.8 ± 17.7	2.60	143.8
2012 282.0 to 2013 16.0	0.12 ± 0.47	-152.9 ± 224.4	1.71	94.6
2012 323.0 to 2013 57.0	1.60 ± 0.45	-97.9 ± 16.1	0.65	35.7
2012 364.0 to 2013 98.0	3.00 ± 0.42	-105.6 ± 8.0	1.31	72.3
2013 39.0 to 2013 139.0	4.55 ± 0.46	-107.9 ± 5.8	2.80	154.9

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	1.05 ± 0.23	-149.0 ± 12.6	1.02	212.1
2009 199.0 to 2009 299.0	0.54 ± 0.25	-90.0 ± 26.5	0.14	29.1
2009 223.0 to 2009 323.0	2.03 ± 0.35	-151.1 ± 9.9	1.97	407.7
2009 247.0 to 2009 347.0	1.38 ± 0.36	175.5 ± 14.9	1.60	332.4
2009 271.0 to 2010 6.0	0.84 ± 0.40	-69.8 ± 27.3	0.36	75.4
2009 305.0 to 2010 40.0	0.43 ± 0.32	159.5 ± 42.6	0.81	167.8
2009 339.0 to 2010 74.0	1.58 ± 0.28	96.2 ± 10.2	2.06	427.0
2010 8.0 to 2010 108.0	0.45 ± 0.30	129.6 ± 38.2	0.91	188.7
2010 42.0 to 2010 142.0	0.93 ± 0.36	-52.4 ± 22.2	0.52	108.4
2010 76.0 to 2010 176.0	1.34 ± 0.37	16.0 ± 15.8	1.44	298.0
2010 110.0 to 2010 210.0	1.27 ± 0.34	1.8 ± 15.3	1.26	260.6
2010 144.0 to 2010 244.0	1.32 ± 0.80	-71.4 ± 34.7	0.84	174.2
2010 178.0 to 2010 278.0	1.14 ± 0.18	-72.2 ± 9.0	0.66	136.8
2010 212.0 to 2010 312.0	0.91 ± 0.18	-68.8 ± 11.3	0.44	90.3
2010 246.0 to 2010 346.0	0.60 ± 0.18	-128.9 ± 17.2	0.50	103.0
2010 280.0 to 2011 15.0	1.52 ± 0.22	-93.3 ± 8.3	1.07	222.1
2010 314.0 to 2011 49.0	0.32 ± 0.19	-60.2 ± 34.0	0.19	40.1
2010 348.0 to 2011 83.0	0.19 ± 0.17	-71.5 ± 51.3	0.29	60.8
2011 17.0 to 2011 117.0	0.38 ± 0.18	-93.0 ± 27.1	0.16	34.2
2011 51.0 to 2011 151.0	1.17 ± 0.19	-64.7 ± 9.3	0.70	145.7
2011 85.0 to 2011 185.0	0.26 ± 0.21	-8.7 ± 46.3	0.45	93.2
2011 119.0 to 2011 219.0	1.07 ± 0.18	-98.6 ± 9.6	0.65	135.6
2011 153.0 to 2011 253.0	1.83 ± 0.19	-66.8 ± 5.9	1.36	281.2
2011 187.0 to 2011 287.0	0.78 ± 0.18	-51.8 ± 13.2	0.39	81.1
2011 221.0 to 2011 321.0	0.38 ± 0.17	-123.3 ± 25.6	0.36	74.8
2011 255.0 to 2011 355.0	1.25 ± 0.19	-152.7 ± 8.7	1.24	256.2
2011 289.0 to 2012 24.0	1.66 ± 0.23	-73.9 ± 7.9	1.18	244.4
2011 340.0 to 2012 75.0	0.69 ± 0.21	72.4 ± 17.4	1.13	234.0
2012 9.0 to 2012 109.0	0.94 ± 0.20	-60.7 ± 12.2	0.49	101.7
2012 43.0 to 2012 143.0	0.46 ± 0.20	-53.8 ± 24.9	0.18	37.2
2012 77.0 to 2012 177.0	0.66 ± 0.19	-80.4 ± 16.5	0.18	38.2
2012 118.0 to 2012 218.0	1.13 ± 0.22	-74.1 ± 11.2	0.65	134.5
2012 159.0 to 2012 259.0	0.53 ± 0.25	74.7 ± 27.0	0.98	203.0
2012 200.0 to 2012 300.0	1.76 ± 0.22	-120.8 ± 7.2	1.46	303.0
2012 241.0 to 2012 341.0	0.78 ± 0.20	-29.2 ± 14.7	0.57	117.8
2012 282.0 to 2013 16.0	1.09 ± 0.20	111.7 ± 10.5	1.57	325.5
2012 323.0 to 2013 57.0	0.20 ± 0.18	53.2 ± 51.6	0.63	130.1
2012 364.0 to 2013 98.0	1.27 ± 0.18	98.6 ± 8.1	1.75	363.1
2013 39.0 to 2013 139.0	0.14 ± 0.20	-33.7 ± 81.9	0.39	80.8