B944CH3 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	-11.21007 ± 0.15606	-0.23297	2.1
2009 199.0 to 2009 299.0	-10.86134 ± 0.16950	0.11576	-1.1
2009 223.0 to 2009 323.0	-10.22246 ± 0.17249	0.75464	-6.9
2009 247.0 to 2009 347.0	-10.11981 ± 0.16301	0.85729	-7.8
2009 271.0 to 2010 6.0	-10.01574 ± 0.17486	0.96136	-8.8
2009 305.0 to 2010 40.0	-9.58173 ± 0.15924	1.39537	-12.7
2009 339.0 to 2010 74.0	-9.68831 ± 0.15807	1.28879	-11.7
2010 8.0 to 2010 108.0	-9.18242 ± 0.15001	1.79468	-16.3
2010 42.0 to 2010 142.0	-8.91940 ± 0.16424	2.05770	-18.7
2010 76.0 to 2010 176.0	-9.24052 ± 0.16919	1.73658	-15.8
2010 110.0 to 2010 210.0	-9.20352 ± 0.18421	1.77358	-16.2
2010 144.0 to 2010 244.0	-9.52511 ± 0.22312	1.45199	-13.2
2010 178.0 to 2010 278.0	-10.51587 ± 0.15636	0.46123	-4.2
2010 212.0 to 2010 312.0	-10.53249 ± 0.15700	0.44461	-4.1
2010 246.0 to 2010 346.0	-11.15313 ± 0.14385	-0.17603	1.6
2010 280.0 to 2011 15.0	-11.46435 ± 0.15915	-0.48725	4.4
2010 314.0 to 2011 49.0	-11.68687 ± 0.12430	-0.70977	6.5
2010 348.0 to 2011 83.0	-11.77826 ± 0.12683	-0.80116	7.3
2011 17.0 to 2011 117.0	-11.81650 ± 0.13182	-0.83940	7.6
2011 51.0 to 2011 151.0	-11.68386 ± 0.16139	-0.70676	6.4
2011 85.0 to 2011 185.0	-11.57834 ± 0.18353	-0.60124	5.5
2011 119.0 to 2011 219.0	-11.39303 ± 0.18295	-0.41593	3.8
2011 153.0 to 2011 253.0	-10.97710 ± 0.17859	0.00000	-0.0
2011 187.0 to 2011 287.0	-10.41066 ± 0.15520	0.56644	-5.2
2011 221.0 to 2011 321.0	-10.65757 ± 0.13723	0.31953	-2.9
2011 255.0 to 2011 355.0	-11.32086 ± 0.13854	-0.34376	3.1
2011 289.0 to 2012 24.0	-11.67673 ± 0.14610	-0.69963	6.4
2011 340.0 to 2012 75.0	-11.57999 ± 0.13672	-0.60289	5.5
2012 9.0 to 2012 109.0	-11.61986 ± 0.14217	-0.64276	5.9
2012 43.0 to 2012 143.0	-11.57181 ± 0.16460	-0.59471	5.4
2012 77.0 to 2012 177.0	-11.71330 ± 0.15780	-0.73620	6.7
2012 118.0 to 2012 218.0	-11.57232 ± 0.16019	-0.59522	5.4
2012 159.0 to 2012 259.0	-10.07696 ± 0.16453	0.90014	-8.2
2012 200.0 to 2012 300.0	-9.82815 ± 0.13203	1.14895	-10.5
2012 241.0 to 2012 341.0	-10.70981 ± 0.11417	0.26729	-2.4
2012 282.0 to 2013 16.0	-11.20445 ± 0.12734	-0.22735	2.1
2012 323.0 to 2013 57.0	-11.16684 ± 0.13701	-0.18974	1.7
2012 364.0 to 2013 98.0	-11.05682 ± 0.14410	-0.07972	0.7
2013 39.0 to 2013 139.0	-10.69594 ± 0.14472	0.28116	-2.6

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	15.92 ± 0.10	39.3 ± 0.4	0.44	2.7
2009 199.0 to 2009 299.0	16.06 ± 0.11	39.0 ± 0.4	0.29	1.8
2009 223.0 to 2009 323.0	16.04 ± 0.12	39.4 ± 0.4	0.39	2.4
2009 247.0 to 2009 347.0	16.03 ± 0.14	39.0 ± 0.5	0.31	1.9
2009 271.0 to 2010 6.0	16.28 ± 0.16	39.0 ± 0.6	0.22	1.4
2009 305.0 to 2010 40.0	16.47 ± 0.14	38.5 ± 0.5	0.24	1.5
2009 339.0 to 2010 74.0	16.33 ± 0.12	38.5 ± 0.4	0.11	0.7
2010 8.0 to 2010 108.0	16.13 ± 0.13	37.7 ± 0.5	0.19	1.2
2010 42.0 to 2010 142.0	16.11 ± 0.16	37.3 ± 0.6	0.30	1.8
2010 76.0 to 2010 176.0	16.21 ± 0.16	37.3 ± 0.6	0.27	1.6
2010 110.0 to 2010 210.0	16.27 ± 0.15	38.1 ± 0.5	0.04	0.3
2010 144.0 to 2010 244.0	16.29 ± 0.17	38.1 ± 0.6	0.06	0.3
2010 178.0 to 2010 278.0	16.14 ± 0.11	38.5 ± 0.4	0.13	0.8
2010 212.0 to 2010 312.0	15.95 ± 0.11	38.6 ± 0.4	0.31	1.9
2010 246.0 to 2010 346.0	16.00 ± 0.12	38.9 ± 0.4	0.31	1.9
2010 280.0 to 2011 15.0	16.11 ± 0.14	38.9 ± 0.5	0.23	1.4
2010 314.0 to 2011 49.0	16.24 ± 0.12	38.6 ± 0.4	0.11	0.7
2010 348.0 to 2011 83.0	16.23 ± 0.12	38.3 ± 0.4	0.03	0.2
2011 17.0 to 2011 117.0	16.33 ± 0.12	38.3 ± 0.4	0.09	0.5
2011 51.0 to 2011 151.0	16.32 ± 0.13	38.0 ± 0.5	0.10	0.6
2011 85.0 to 2011 185.0	16.25 ± 0.13	37.5 ± 0.5	0.21	1.3
2011 119.0 to 2011 219.0	16.17 ± 0.12	37.2 ± 0.4	0.30	1.8
2011 153.0 to 2011 253.0	16.17 ± 0.11	37.6 ± 0.4	0.19	1.2
2011 187.0 to 2011 287.0	16.22 ± 0.10	38.3 ± 0.4	0.03	0.2
2011 221.0 to 2011 321.0	16.22 ± 0.10	38.6 ± 0.4	0.11	0.7
2011 255.0 to 2011 355.0	16.36 ± 0.11	38.7 ± 0.4	0.18	1.1
2011 289.0 to 2012 24.0	16.31 ± 0.14	37.9 ± 0.5	0.11	0.7
2011 340.0 to 2012 75.0	16.31 ± 0.13	37.2 ± 0.5	0.30	1.8
2012 9.0 to 2012 109.0	16.26 ± 0.12	36.5 ± 0.4	0.49	3.0
2012 43.0 to 2012 143.0	16.22 ± 0.13	36.2 ± 0.5	0.57	3.5
2012 77.0 to 2012 177.0	16.30 ± 0.12	34.8 ± 0.4	0.97	6.0
2012 118.0 to 2012 218.0	16.17 ± 0.11	34.1 ± 0.4	1.17	7.2
2012 159.0 to 2012 259.0	16.22 ± 0.12	36.0 ± 0.4	0.63	3.9
2012 200.0 to 2012 300.0	16.23 ± 0.10	38.5 ± 0.4	0.08	0.5
2012 241.0 to 2012 341.0	16.23 ± 0.09	38.7 ± 0.3	0.13	0.8
2012 282.0 to 2013 16.0	16.47 ± 0.11	39.3 ± 0.4	0.38	2.3
2012 323.0 to 2013 57.0	16.38 ± 0.12	39.1 ± 0.4	0.28	1.7
2012 364.0 to 2013 98.0	16.28 ± 0.11	39.2 ± 0.4	0.28	1.7
2013 39.0 to 2013 139.0	16.24 ± 0.11	38.3 ± 0.4	0.02	0.1

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	6.58 ± 0.19	-40.0 ± 1.7	0.91	15.9
2009 199.0 to 2009 299.0	6.33 ± 0.23	-39.8 ± 2.1	0.67	11.7
2009 223.0 to 2009 323.0	6.09 ± 0.25	-39.4 ± 2.4	0.44	7.7
2009 247.0 to 2009 347.0	6.02 ± 0.29	-37.1 ± 2.8	0.29	5.1
2009 271.0 to 2010 6.0	5.69 ± 0.33	-37.6 ± 3.3	0.07	1.3
2009 305.0 to 2010 40.0	5.67 ± 0.30	-42.6 ± 3.0	0.56	9.8
2009 339.0 to 2010 74.0	5.57 ± 0.27	-42.0 ± 2.8	0.52	9.1
2010 8.0 to 2010 108.0	5.83 ± 0.29	-41.1 ± 2.9	0.43	7.5
2010 42.0 to 2010 142.0	5.96 ± 0.33	-31.0 ± 3.2	0.65	11.3
2010 76.0 to 2010 176.0	6.15 ± 0.34	-36.4 ± 3.2	0.42	7.4
2010 110.0 to 2010 210.0	6.50 ± 0.31	-39.2 ± 2.7	0.81	14.1
2010 144.0 to 2010 244.0	6.58 ± 0.34	-44.5 ± 3.0	1.17	20.5
2010 178.0 to 2010 278.0	6.11 ± 0.23	-37.2 ± 2.2	0.38	6.6
2010 212.0 to 2010 312.0	6.09 ± 0.25	-35.3 ± 2.4	0.40	7.0
2010 246.0 to 2010 346.0	6.01 ± 0.26	-36.5 ± 2.5	0.28	5.0
2010 280.0 to 2011 15.0	5.85 ± 0.32	-38.5 ± 3.1	0.20	3.4
2010 314.0 to 2011 49.0	5.62 ± 0.27	-36.0 ± 2.8	0.15	2.5
2010 348.0 to 2011 83.0	6.07 ± 0.27	-34.6 ± 2.5	0.42	7.3
2011 17.0 to 2011 117.0	6.12 ± 0.26	-35.3 ± 2.4	0.43	7.4
2011 51.0 to 2011 151.0	6.10 ± 0.29	-35.0 ± 2.7	0.42	7.4
2011 85.0 to 2011 185.0	5.89 ± 0.30	-35.8 ± 2.9	0.20	3.5
2011 119.0 to 2011 219.0	5.63 ± 0.26	-36.0 ± 2.6	0.14	2.4
2011 153.0 to 2011 253.0	5.52 ± 0.22	-34.5 ± 2.3	0.32	5.6
2011 187.0 to 2011 287.0	5.59 ± 0.20	-33.6 ± 2.0	0.36	6.3
2011 221.0 to 2011 321.0	5.70 ± 0.20	-33.2 ± 2.0	0.38	6.6
2011 255.0 to 2011 355.0	5.42 ± 0.25	-33.6 ± 2.6	0.45	7.9
2011 289.0 to 2012 24.0	5.60 ± 0.32	-29.9 ± 3.3	0.71	12.4
2011 340.0 to 2012 75.0	5.41 ± 0.30	-35.4 ± 3.2	0.35	6.2
2012 9.0 to 2012 109.0	5.43 ± 0.28	-39.2 ± 3.0	0.37	6.5
2012 43.0 to 2012 143.0	5.67 ± 0.30	-37.8 ± 3.0	0.10	1.8
2012 77.0 to 2012 177.0	5.46 ± 0.26	-37.9 ± 2.7	0.28	5.0
2012 118.0 to 2012 218.0	4.89 ± 0.24	-39.7 ± 2.8	0.88	15.3
2012 159.0 to 2012 259.0	4.73 ± 0.23	-43.2 ± 2.8	1.15	20.1
2012 200.0 to 2012 300.0	5.09 ± 0.19	-36.1 ± 2.1	0.65	11.3
2012 241.0 to 2012 341.0	5.49 ± 0.20	-32.6 ± 2.1	0.49	8.5
2012 282.0 to 2013 16.0	4.63 ± 0.26	-28.9 ± 3.2	1.32	23.0
2012 323.0 to 2013 57.0	4.49 ± 0.26	-31.2 ± 3.3	1.34	23.4
2012 364.0 to 2013 98.0	4.14 ± 0.25	-32.3 ± 3.5	1.64	28.6
2013 39.0 to 2013 139.0	4.42 ± 0.25	-35.4 ± 3.2	1.32	23.0

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	6.63 ± 0.79	108.7 ± 6.8	0.58	9.4
2009 199.0 to 2009 299.0	9.06 ± 0.98	103.3 ± 6.2	3.09	49.8
2009 223.0 to 2009 323.0	4.21 ± 1.48	98.4 ± 20.1	2.33	37.6
2009 247.0 to 2009 347.0	8.42 ± 1.19	115.0 ± 8.1	2.25	36.4
2009 271.0 to 2010 6.0	10.54 ± 1.34	106.4 ± 7.3	4.42	71.3
2009 305.0 to 2010 40.0	8.48 ± 1.22	112.3 ± 8.2	2.28	36.9
2009 339.0 to 2010 74.0	4.10 ± 1.11	162.9 ± 15.5	4.80	77.5
2010 8.0 to 2010 108.0	8.72 ± 1.18	144.2 ± 7.8	4.78	77.2
2010 42.0 to 2010 142.0	5.04 ± 1.35	111.1 ± 15.3	1.16	18.7
2010 76.0 to 2010 176.0	0.67 ± 1.39	77.8 ± 118.9	5.66	91.3
2010 110.0 to 2010 210.0	4.54 ± 1.27	139.3 ± 16.0	2.99	48.3
2010 144.0 to 2010 244.0	11.96 ± 4.42	66.8 ± 21.2	8.79	141.8
2010 178.0 to 2010 278.0	4.60 ± 0.95	137.0 ± 11.8	2.80	45.2
2010 212.0 to 2010 312.0	8.88 ± 1.01	133.7 ± 6.5	3.86	62.3
2010 246.0 to 2010 346.0	5.61 ± 1.06	108.3 ± 10.8	0.71	11.4
2010 280.0 to 2011 15.0	6.09 ± 1.29	121.8 ± 12.1	1.04	16.8
2010 314.0 to 2011 49.0	6.54 ± 1.10	91.8 ± 9.6	2.27	36.7
2010 348.0 to 2011 83.0	6.20 ± 1.08	119.3 ± 10.0	0.78	12.5
2011 17.0 to 2011 117.0	6.11 ± 1.07	89.4 ± 10.0	2.43	39.2
2011 51.0 to 2011 151.0	8.12 ± 1.19	105.0 ± 8.4	2.12	34.2
2011 85.0 to 2011 185.0	7.06 ± 1.21	118.8 ± 9.8	1.16	18.7
2011 119.0 to 2011 219.0	10.69 ± 1.05	106.0 ± 5.6	4.58	73.9
2011 153.0 to 2011 253.0	6.13 ± 0.91	156.1 ± 8.5	4.61	74.5
2011 187.0 to 2011 287.0	11.62 ± 0.83	130.2 ± 4.1	6.04	97.5
2011 221.0 to 2011 321.0	6.29 ± 0.84	138.3 ± 7.7	2.83	45.6
2011 255.0 to 2011 355.0	7.98 ± 1.00	137.7 ± 7.2	3.59	57.9
2011 289.0 to 2012 24.0	7.65 ± 1.30	99.9 ± 9.7	2.07	33.3
2011 340.0 to 2012 75.0	8.79 ± 1.21	100.5 ± 7.9	2.99	48.3
2012 9.0 to 2012 109.0	4.64 ± 1.14	95.7 ± 14.1	2.18	35.2
2012 43.0 to 2012 143.0	7.61 ± 1.22	113.0 ± 9.2	1.42	22.9
2012 77.0 to 2012 177.0	6.39 ± 1.07	127.5 ± 9.6	1.69	27.3
2012 118.0 to 2012 218.0	18.32 ± 0.99	69.5 ± 3.1	14.39	232.2
2012 159.0 to 2012 259.0	2.20 ± 0.94	136.8 ± 24.5	4.30	69.3
2012 200.0 to 2012 300.0	15.43 ± 0.83	98.7 ± 3.1	9.51	153.5
2012 241.0 to 2012 341.0	5.91 ± 0.82	76.2 ± 7.9	3.74	60.4
2012 282.0 to 2013 16.0	7.19 ± 1.02	102.5 ± 8.1	1.50	24.2
2012 323.0 to 2013 57.0	4.90 ± 1.07	105.0 ± 12.5	1.47	23.7
2012 364.0 to 2013 98.0	4.07 ± 1.02	111.7 ± 14.4	2.13	34.3
2013 39.0 to 2013 139.0	4.18 ± 1.01	159.4 ± 13.8	4.55	73.5

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	9.14 ± 0.41	-146.3 ± 2.6	1.33	16.9
2009 199.0 to 2009 299.0	8.21 ± 0.46	-142.9 ± 3.2	0.35	4.4
2009 223.0 to 2009 323.0	10.13 ± 0.62	-148.4 ± 3.5	2.38	30.2
2009 247.0 to 2009 347.0	9.63 ± 0.55	-153.5 ± 3.3	2.31	29.4
2009 271.0 to 2010 6.0	8.26 ± 0.61	-141.6 ± 4.2	0.47	6.0
2009 305.0 to 2010 40.0	7.78 ± 0.56	-143.4 ± 4.1	0.10	1.2
2009 339.0 to 2010 74.0	6.63 ± 0.50	-162.9 ± 4.3	2.73	34.6
2010 8.0 to 2010 108.0	8.08 ± 0.53	-155.4 ± 3.8	1.66	21.0
2010 42.0 to 2010 142.0	7.82 ± 0.61	-132.6 ± 4.5	1.50	19.1
2010 76.0 to 2010 176.0	6.22 ± 0.64	-140.9 ± 5.9	1.69	21.4
2010 110.0 to 2010 210.0	6.20 ± 0.60	-140.1 ± 5.5	1.73	21.9
2010 144.0 to 2010 244.0	8.97 ± 1.50	-129.6 ± 9.6	2.32	29.5
2010 178.0 to 2010 278.0	8.42 ± 0.43	-132.3 ± 2.9	1.69	21.5
2010 212.0 to 2010 312.0	7.91 ± 0.43	-139.3 ± 3.1	0.59	7.5
2010 246.0 to 2010 346.0	9.08 ± 0.45	-146.9 ± 2.8	1.30	16.5
2010 280.0 to 2011 15.0	9.29 ± 0.55	-134.8 ± 3.4	1.93	24.5
2010 314.0 to 2011 49.0	7.88 ± 0.47	-143.6 ± 3.4	0.01	0.1
2010 348.0 to 2011 83.0	7.66 ± 0.46	-146.6 ± 3.4	0.46	5.9
2011 17.0 to 2011 117.0	8.15 ± 0.46	-144.2 ± 3.2	0.29	3.7
2011 51.0 to 2011 151.0	8.08 ± 0.50	-134.3 ± 3.5	1.31	16.6
2011 85.0 to 2011 185.0	7.40 ± 0.52	-149.6 ± 4.0	0.93	11.8
2011 119.0 to 2011 219.0	9.09 ± 0.46	-139.0 ± 2.9	1.39	17.6
2011 153.0 to 2011 253.0	8.88 ± 0.44	-126.3 ± 2.8	2.71	34.4
2011 187.0 to 2011 287.0	7.58 ± 0.41	-139.3 ± 3.1	0.65	8.2
2011 221.0 to 2011 321.0	8.02 ± 0.38	-144.8 ± 2.7	0.22	2.8
2011 255.0 to 2011 355.0	9.11 ± 0.43	-149.5 ± 2.7	1.51	19.2
2011 289.0 to 2012 24.0	9.43 ± 0.56	-131.7 ± 3.4	2.37	30.0
2011 340.0 to 2012 75.0	6.35 ± 0.52	-154.2 ± 4.7	2.01	25.5
2012 9.0 to 2012 109.0	7.92 ± 0.49	-129.8 ± 3.5	1.89	24.1
2012 43.0 to 2012 143.0	7.56 ± 0.52	-146.5 ± 3.9	0.50	6.4
2012 77.0 to 2012 177.0	8.52 ± 0.46	-147.6 ± 3.1	0.86	11.0
2012 118.0 to 2012 218.0	8.74 ± 0.44	-133.5 ± 2.9	1.69	21.5
2012 159.0 to 2012 259.0	6.64 ± 0.46	-156.8 ± 4.0	2.07	26.3
2012 200.0 to 2012 300.0	10.56 ± 0.40	-144.3 ± 2.2	2.69	34.1
2012 241.0 to 2012 341.0	7.00 ± 0.35	-143.5 ± 2.9	0.88	11.1
2012 282.0 to 2013 16.0	7.25 ± 0.44	-163.4 ± 3.5	2.68	34.0
2012 323.0 to 2013 57.0	7.37 ± 0.46	-148.9 ± 3.6	0.87	11.0
2012 364.0 to 2013 98.0	6.22 ± 0.44	-166.7 ± 4.1	3.26	41.4
2013 39.0 to 2013 139.0	7.60 ± 0.42	-146.7 ± 3.2	0.50	6.4