B079CH3 Comparison between current analysis and prior analysis

Pressure comparison			
time interval	Pressure Coef. counts/counts	Difference counts/counts	Percent change
2009 28.0 to 2009 128.0	-4.10949 ± 0.03585	-0.00916	0.2
2009 52.0 to 2009 152.0	-3.94443 ± 0.47450	0.15590	-3.8
2009 76.0 to 2009 176.0	-4.07629 ± 0.43095	0.02404	-0.6
2009 100.0 to 2009 200.0	-4.06329 ± 0.55236	0.03704	-0.9
2009 124.0 to 2009 224.0	-4.08477 ± 0.15470	0.01556	-0.4
2009 148.0 to 2009 248.0	-4.06389 ± 0.05704	0.03644	-0.9
2009 172.0 to 2009 272.0	-4.12716 ± 0.06116	-0.02683	0.7
2009 196.0 to 2009 296.0	-4.28857 ± 0.05162	-0.18824	4.6
2009 220.0 to 2009 320.0	-4.27675 ± 0.04168	-0.17642	4.3
2009 244.0 to 2009 344.0	-4.24463 ± 0.03787	-0.14430	3.5
2009 268.0 to 2010 3.0	-4.12483 ± 0.03754	-0.02450	0.6
2009 302.0 to 2010 37.0	-4.06274 ± 0.03261	0.03759	-0.9
2009 336.0 to 2010 71.0	-4.10596 ± 0.03207	-0.00563	0.1
2010 5.0 to 2010 105.0	-4.11851 ± 0.03494	-0.01818	0.4
2010 39.0 to 2010 139.0	-4.10167 ± 0.03731	-0.00134	0.0
2010 73.0 to 2010 173.0	-4.04830 ± 0.03662	0.05203	-1.3
2010 107.0 to 2010 207.0	-3.99697 ± 0.03740	0.10336	-2.5
2010 141.0 to 2010 241.0	-3.95281 ± 0.03452	0.14752	-3.6
2010 175.0 to 2010 275.0	-4.03789 ± 0.06553	0.06244	-1.5
2010 209.0 to 2010 309.0	-3.98964 ± 0.04961	0.11069	-2.7
2010 243.0 to 2010 343.0	-4.09377 ± 0.03292	0.00656	-0.2
2010 277.0 to 2011 12.0	-4.06409 ± 0.03981	0.03624	-0.9
2010 311.0 to 2011 46.0	-4.11041 ± 0.03472	-0.01008	0.2
2010 345.0 to 2011 80.0	-4.06932 ± 0.03947	0.03101	-0.8
2011 14.0 to 2011 114.0	-4.12139 ± 0.04306	-0.02106	0.5
2011 48.0 to 2011 148.0	-4.10033 ± 0.04051	0.00000	-0.0
2011 82.0 to 2011 182.0	-4.06538 ± 0.03695	0.03495	-0.9
2011 116.0 to 2011 216.0	-3.95916 ± 0.03474	0.14117	-3.4
2011 150.0 to 2011 250.0	-4.28622 ± 0.06444	-0.18589	4.5
2011 184.0 to 2011 284.0	-4.34682 ± 0.06201	-0.24649	6.0
2011 218.0 to 2011 318.0	-4.24896 ± 0.05135	-0.14863	3.6
2011 252.0 to 2011 352.0	-4.12264 ± 0.03045	-0.02231	0.5
2011 286.0 to 2012 21.0	-4.14344 ± 0.02964	-0.04311	1.1

Tidal comparson **M2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 28.0 to 2009 128.0	2.43 ± 0.02	-179.2 ± 0.5	0.29	13.7
2009 52.0 to 2009 152.0	2.36 ± 0.26	-178.3 ± 6.3	0.23	11.0
2009 76.0 to 2009 176.0	2.30 ± 0.21	-178.5 ± 5.2	0.18	8.2
2009 100.0 to 2009 200.0	2.24 ± 0.25	-178.4 ± 6.4	0.13	5.9
2009 124.0 to 2009 224.0	2.27 ± 0.06	179.4 ± 1.5	0.13	6.1
2009 148.0 to 2009 248.0	2.22 ± 0.02	-179.8 ± 0.5	0.08	3.9
2009 172.0 to 2009 272.0	2.20 ± 0.02	-179.5 ± 0.5	0.07	3.2
2009 196.0 to 2009 296.0	2.20 ± 0.02	-179.4 ± 0.5	0.07	3.3
2009 220.0 to 2009 320.0	2.16 ± 0.02	-178.8 ± 0.5	0.06	2.9
2009 244.0 to 2009 344.0	2.17 ± 0.02	-179.1 ± 0.5	0.06	2.7
2009 268.0 to 2010 3.0	2.16 ± 0.02	-179.5 ± 0.5	0.04	1.8
2009 302.0 to 2010 37.0	2.15 ± 0.03	-179.9 ± 0.8	0.02	1.0
2009 336.0 to 2010 71.0	2.14 ± 0.03	-179.7 ± 0.8	0.03	1.2
2010 5.0 to 2010 105.0	2.10 ± 0.03	-179.5 ± 0.8	0.05	2.4
2010 39.0 to 2010 139.0	2.08 ± 0.02	-179.7 ± 0.6	0.07	3.0
2010 73.0 to 2010 173.0	2.06 ± 0.02	179.6 ± 0.6	0.08	3.7
2010 107.0 to 2010 207.0	2.06 ± 0.02	178.8 ± 0.6	0.09	4.0
2010 141.0 to 2010 241.0	2.07 ± 0.01	178.7 ± 0.3	0.08	3.6
2010 175.0 to 2010 275.0	2.11 ± 0.02	179.0 ± 0.5	0.04	1.8
2010 209.0 to 2010 309.0	2.14 ± 0.02	179.5 ± 0.5	0.00	0.2
2010 243.0 to 2010 343.0	2.13 ± 0.02	178.6 ± 0.5	0.04	1.8
2010 277.0 to 2011 12.0	2.11 ± 0.03	178.4 ± 0.8	0.05	2.5
2010 311.0 to 2011 46.0	2.11 ± 0.03	177.9 ± 0.8	0.07	3.3
2010 345.0 to 2011 80.0	2.14 ± 0.03	178.0 ± 0.8	0.06	2.8
2011 14.0 to 2011 114.0	2.14 ± 0.03	177.5 ± 0.8	0.08	3.7
2011 48.0 to 2011 148.0	2.11 ± 0.03	177.2 ± 0.8	0.09	4.4
2011 82.0 to 2011 182.0	2.09 ± 0.02	176.4 ± 0.5	0.13	6.0
2011 116.0 to 2011 216.0	2.11 ± 0.02	176.1 ± 0.5	0.13	6.2
2011 150.0 to 2011 250.0	2.12 ± 0.04	176.2 ± 1.1	0.13	6.0
2011 184.0 to 2011 284.0	2.13 ± 0.04	177.6 ± 1.1	0.08	3.5
2011 218.0 to 2011 318.0	2.16 ± 0.04	179.0 ± 1.1	0.03	1.4
2011 252.0 to 2011 352.0	2.17 ± 0.02	-179.9 ± 0.5	0.04	1.6
2011 286.0 to 2012 21.0	2.18 ± 0.02	179.9 ± 0.5	0.04	1.9

Tidal comparson **O1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 28.0 to 2009 128.0	2.24 ± 0.05	-145.6 ± 1.3	0.15	6.5
2009 52.0 to 2009 152.0	2.42 ± 0.61	-138.6 ± 14.4	0.19	8.2
2009 76.0 to 2009 176.0	2.52 ± 0.50	-138.6 ± 11.4	0.27	11.5
2009 100.0 to 2009 200.0	2.56 ± 0.58	-139.1 ± 13.0	0.29	12.6
2009 124.0 to 2009 224.0	2.65 ± 0.14	-147.0 ± 3.0	0.41	17.8
2009 148.0 to 2009 248.0	2.47 ± 0.04	-145.2 ± 0.9	0.21	9.3
2009 172.0 to 2009 272.0	2.44 ± 0.05	-146.3 ± 1.2	0.22	9.7
2009 196.0 to 2009 296.0	2.39 ± 0.05	-146.0 ± 1.2	0.18	7.9
2009 220.0 to 2009 320.0	2.32 ± 0.04	-143.6 ± 1.0	0.06	2.7
2009 244.0 to 2009 344.0	2.28 ± 0.05	-143.6 ± 1.3	0.06	2.7
2009 268.0 to 2010 3.0	2.40 ± 0.06	-142.9 ± 1.4	0.11	4.6
2009 302.0 to 2010 37.0	2.42 ± 0.06	-144.3 ± 1.4	0.15	6.5
2009 336.0 to 2010 71.0	2.44 ± 0.06	-144.7 ± 1.4	0.18	7.7
2010 5.0 to 2010 105.0	2.31 ± 0.06	-142.5 ± 1.5	0.02	0.8
2010 39.0 to 2010 139.0	2.36 ± 0.05	-141.4 ± 1.2	0.07	2.9
2010 73.0 to 2010 173.0	2.40 ± 0.05	-140.8 ± 1.2	0.11	4.9
2010 107.0 to 2010 207.0	2.43 ± 0.04	-139.9 ± 0.9	0.16	6.9
2010 141.0 to 2010 241.0	2.34 ± 0.03	-139.4 ± 0.7	0.12	5.1
2010 175.0 to 2010 275.0	2.27 ± 0.06	-138.5 ± 1.5	0.15	6.4
2010 209.0 to 2010 309.0	2.24 ± 0.05	-138.7 ± 1.3	0.15	6.4
2010 243.0 to 2010 343.0	2.33 ± 0.05	-137.9 ± 1.2	0.17	7.5
2010 277.0 to 2011 12.0	2.34 ± 0.07	-137.5 ± 1.7	0.19	8.3
2010 311.0 to 2011 46.0	2.41 ± 0.06	-137.7 ± 1.4	0.21	9.2
2010 345.0 to 2011 80.0	2.25 ± 0.07	-141.5 ± 1.8	0.06	2.4
2011 14.0 to 2011 114.0	2.15 ± 0.07	-141.6 ± 1.9	0.15	6.6
2011 48.0 to 2011 148.0	2.02 ± 0.06	-141.0 ± 1.7	0.28	12.3
2011 82.0 to 2011 182.0	2.06 ± 0.05	-137.3 ± 1.4	0.30	13.1
2011 116.0 to 2011 216.0	2.14 ± 0.04	-138.4 ± 1.1	0.22	9.4
2011 150.0 to 2011 250.0	2.14 ± 0.06	-137.7 ± 1.6	0.23	10.2
2011 184.0 to 2011 284.0	2.09 ± 0.07	-138.7 ± 1.9	0.25	10.8
2011 218.0 to 2011 318.0	2.02 ± 0.06	-138.6 ± 1.7	0.31	13.5
2011 252.0 to 2011 352.0	2.04 ± 0.04	-141.9 ± 1.1	0.26	11.3
2011 286.0 to 2012 21.0	2.02 ± 0.04	-141.6 ± 1.1	0.28	12.2

Tidal comparson **K1**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 28.0 to 2009 128.0	2.18 ± 0.20	-46.9 ± 5.3	1.62	57.6
2009 52.0 to 2009 152.0	3.08 ± 2.46	-23.0 ± 45.8	0.64	22.7
2009 76.0 to 2009 176.0	4.19 ± 2.01	-10.9 ± 27.5	1.39	49.4
2009 100.0 to 2009 200.0	3.19 ± 2.38	-51.8 ± 42.7	2.08	74.2
2009 124.0 to 2009 224.0	3.86 ± 0.59	-7.6 ± 8.8	1.08	38.6
2009 148.0 to 2009 248.0	3.31 ± 0.18	-14.4 ± 3.1	0.52	18.7
2009 172.0 to 2009 272.0	3.45 ± 0.20	-2.2 ± 3.3	0.83	29.6
2009 196.0 to 2009 296.0	3.05 ± 0.20	4.5 ± 3.8	0.87	30.8
2009 220.0 to 2009 320.0	2.52 ± 0.18	-0.8 ± 4.1	0.58	20.8
2009 244.0 to 2009 344.0	2.56 ± 0.20	12.3 ± 4.5	1.15	40.8
2009 268.0 to 2010 3.0	3.20 ± 0.23	10.6 ± 4.1	1.23	43.8
2009 302.0 to 2010 37.0	2.78 ± 0.25	-24.0 ± 5.2	0.59	21.2
2009 336.0 to 2010 71.0	1.87 ± 0.25	-4.7 ± 7.7	0.98	34.8
2010 5.0 to 2010 105.0	2.72 ± 0.26	-21.5 ± 5.5	0.47	16.9
2010 39.0 to 2010 139.0	3.45 ± 0.22	-23.1 ± 3.7	0.89	31.7
2010 73.0 to 2010 173.0	3.03 ± 0.19	-29.6 ± 3.6	0.93	33.1
2010 107.0 to 2010 207.0	3.64 ± 0.16	-15.0 ± 2.5	0.85	30.4
2010 141.0 to 2010 241.0	3.09 ± 0.12	-13.7 ± 2.2	0.30	10.7
2010 175.0 to 2010 275.0	3.49 ± 0.23	-6.5 ± 3.8	0.74	26.5
2010 209.0 to 2010 309.0	2.84 ± 0.21	0.4 ± 4.2	0.60	21.4
2010 243.0 to 2010 343.0	2.69 ± 0.19	3.2 ± 4.0	0.73	25.9
2010 277.0 to 2011 12.0	2.60 ± 0.28	-0.5 ± 6.2	0.57	20.3
2010 311.0 to 2011 46.0	2.20 ± 0.26	-34.6 ± 6.8	1.15	41.1
2010 345.0 to 2011 80.0	1.90 ± 0.29	-25.5 ± 8.7	1.06	37.8
2011 14.0 to 2011 114.0	3.54 ± 0.28	-19.2 ± 4.5	0.84	29.9
2011 48.0 to 2011 148.0	3.11 ± 0.24	-37.6 ± 4.4	1.35	48.2
2011 82.0 to 2011 182.0	3.18 ± 0.19	-10.4 ± 3.4	0.38	13.6
2011 116.0 to 2011 216.0	3.55 ± 0.15	-17.8 ± 2.4	0.81	29.0
2011 150.0 to 2011 250.0	2.90 ± 0.25	-6.4 ± 4.9	0.29	10.2
2011 184.0 to 2011 284.0	2.68 ± 0.28	8.7 ± 6.0	0.98	35.1
2011 218.0 to 2011 318.0	2.75 ± 0.28	3.2 ± 5.8	0.73	25.9
2011 252.0 to 2011 352.0	1.58 ± 0.17	-11.0 ± 6.2	1.23	43.7
2011 286.0 to 2012 21.0	1.99 ± 0.18	5.2 ± 5.2	1.07	38.3

Tidal comparson **S2**				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2009 28.0 to 2009 128.0	0.37 ± 0.09	-22.4 ± 13.9	0.21	86.4
2009 52.0 to 2009 152.0	0.74 ± 1.02	-66.9 ± 79.0	0.50	202.7
2009 76.0 to 2009 176.0	0.24 ± 0.84	-24.4 ± 200.5	0.13	53.6
2009 100.0 to 2009 200.0	0.70 ± 0.98	-0.8 ± 80.2	0.59	240.8
2009 124.0 to 2009 224.0	0.58 ± 0.25	-3.9 ± 24.7	0.47	190.5
2009 148.0 to 2009 248.0	0.26 ± 0.08	-107.7 ± 17.6	0.22	89.9
2009 172.0 to 2009 272.0	0.46 ± 0.09	-60.1 ± 11.2	0.21	87.0
2009 196.0 to 2009 296.0	0.53 ± 0.09	-44.2 ± 9.7	0.29	118.6
2009 220.0 to 2009 320.0	0.28 ± 0.08	-81.9 ± 16.4	0.12	49.8
2009 244.0 to 2009 344.0	0.20 ± 0.09	98.5 ± 25.8	0.44	176.6
2009 268.0 to 2010 3.0	0.30 ± 0.09	-32.6 ± 17.2	0.12	49.5
2009 302.0 to 2010 37.0	0.39 ± 0.10	-129.8 ± 14.7	0.40	161.9
2009 336.0 to 2010 71.0	0.43 ± 0.11	-9.4 ± 14.7	0.32	127.9
2010 5.0 to 2010 105.0	0.15 ± 0.11	-93.8 ± 42.0	0.16	64.1
2010 39.0 to 2010 139.0	0.43 ± 0.09	5.3 ± 12.0	0.38	153.5
2010 73.0 to 2010 173.0	0.28 ± 0.08	-45.0 ± 16.4	0.06	24.3
2010 107.0 to 2010 207.0	0.17 ± 0.07	-35.5 ± 23.6	0.11	42.8
2010 141.0 to 2010 241.0	0.39 ± 0.05	-76.6 ± 7.3	0.18	73.6
2010 175.0 to 2010 275.0	0.47 ± 0.10	-68.9 ± 12.2	0.24	95.7
2010 209.0 to 2010 309.0	0.08 ± 0.09	-75.9 ± 64.5	0.17	70.4
2010 243.0 to 2010 343.0	0.13 ± 0.08	-81.2 ± 35.3	0.14	57.0
2010 277.0 to 2011 12.0	0.43 ± 0.12	-88.6 ± 16.0	0.26	105.1
2010 311.0 to 2011 46.0	0.22 ± 0.11	120.1 ± 28.6	0.47	189.0
2010 345.0 to 2011 80.0	0.48 ± 0.12	-39.0 ± 14.3	0.25	103.0
2011 14.0 to 2011 114.0	0.32 ± 0.12	-84.6 ± 21.5	0.16	63.8
2011 48.0 to 2011 148.0	0.14 ± 0.10	-56.3 ± 40.9	0.11	43.3
2011 82.0 to 2011 182.0	0.22 ± 0.08	-68.2 ± 20.8	0.06	23.0
2011 116.0 to 2011 216.0	0.48 ± 0.06	-59.6 ± 7.2	0.23	95.0
2011 150.0 to 2011 250.0	0.40 ± 0.15	-66.6 ± 21.5	0.16	66.5
2011 184.0 to 2011 284.0	0.53 ± 0.17	-110.8 ± 18.4	0.44	177.3
2011 218.0 to 2011 318.0	0.21 ± 0.16	-39.1 ± 43.7	0.08	30.8
2011 252.0 to 2011 352.0	0.27 ± 0.08	-128.9 ± 17.0	0.31	124.8
2011 286.0 to 2012 21.0	0.29 ± 0.08	-128.0 ± 15.8	0.32	128.8