B079CH2 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	-4.26194 ± 0.03917	0.03493	-0.8
2009 52.0 to 2009 152.0	-4.12795 ± 0.06518	0.16892	-3.9
2009 76.0 to 2009 176.0	-4.15435 ± 0.04987	0.14252	-3.3
2009 100.0 to 2009 200.0	-4.12613 ± 0.06412	0.17074	-4.0
2009 124.0 to 2009 224.0	-4.13686 ± 0.08300	0.16001	-3.7
2009 148.0 to 2009 248.0	-4.20678 ± 0.05920	0.09009	-2.1
2009 172.0 to 2009 272.0	-4.29940 ± 0.04576	-0.00253	0.1
2009 196.0 to 2009 296.0	-4.45587 ± 0.03654	-0.15900	3.7
2009 220.0 to 2009 320.0	-4.39212 ± 0.03657	-0.09525	2.2
2009 244.0 to 2009 344.0	-4.37061 ± 0.02803	-0.07374	1.7
2009 268.0 to 2010 3.0	-4.30319 ± 0.02888	-0.00632	0.1
2009 302.0 to 2010 37.0	-4.27171 ± 0.02753	0.02516	-0.6
2009 336.0 to 2010 71.0	-4.26573 ± 0.02911	0.03114	-0.7
2010 5.0 to 2010 105.0	-4.28742 ± 0.02733	0.00945	-0.2
2010 39.0 to 2010 139.0	-4.30595 ± 0.03176	-0.00908	0.2
2010 73.0 to 2010 173.0	-4.30349 ± 0.02928	-0.00662	0.2
2010 107.0 to 2010 207.0	-4.29687 ± 0.03559	0.00000	-0.0
2010 141.0 to 2010 241.0	-4.28198 ± 0.04144	0.01489	-0.3
2010 175.0 to 2010 275.0	-4.17689 ± 0.06521	0.11998	-2.8
2010 209.0 to 2010 309.0	-4.16397 ± 0.04996	0.13290	-3.1
2010 243.0 to 2010 343.0	-4.32521 ± 0.03452	-0.02834	0.7
2010 277.0 to 2011 12.0	-4.30893 ± 0.03896	-0.01206	0.3
2010 311.0 to 2011 46.0	-4.34683 ± 0.03399	-0.04996	1.2
2010 345.0 to 2011 80.0	-4.28110 ± 0.03859	0.01577	-0.4
2011 14.0 to 2011 114.0	-4.31131 ± 0.04487	-0.01444	0.3
2011 48.0 to 2011 148.0	-4.28716 ± 0.04012	0.00971	-0.2
2011 82.0 to 2011 182.0	-4.29228 ± 0.02680	0.00459	-0.1
2011 116.0 to 2011 216.0	-4.24171 ± 0.02782	0.05516	-1.3
2011 150.0 to 2011 250.0	-4.32402 ± 0.06947	-0.02715	0.6
2011 184.0 to 2011 284.0	-4.46577 ± 0.04150	-0.16890	3.9
2011 218.0 to 2011 318.0	-4.33584 ± 0.04357	-0.03897	0.9
2011 252.0 to 2011 352.0	-4.36419 ± 0.02670	-0.06732	1.6
2011 286.0 to 2012 21.0	-4.36902 ± 0.02330	-0.07215	1.7

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	3.91 ± 0.03	-143.7 ± 0.4	0.11	2.9
2009 52.0 to 2009 152.0	3.88 ± 0.04	-144.2 ± 0.6	0.07	1.7
2009 76.0 to 2009 176.0	3.88 ± 0.02	-144.6 ± 0.3	0.05	1.2
2009 100.0 to 2009 200.0	3.86 ± 0.03	-145.0 ± 0.4	0.02	0.4
2009 124.0 to 2009 224.0	3.86 ± 0.03	-145.2 ± 0.4	0.02	0.5
2009 148.0 to 2009 248.0	3.86 ± 0.02	-144.8 ± 0.3	0.02	0.6
2009 172.0 to 2009 272.0	3.82 ± 0.02	-144.5 ± 0.3	0.04	1.1
2009 196.0 to 2009 296.0	3.84 ± 0.02	-144.3 ± 0.3	0.05	1.3
2009 220.0 to 2009 320.0	3.83 ± 0.02	-144.0 ± 0.3	0.07	1.9
2009 244.0 to 2009 344.0	3.82 ± 0.02	-144.3 ± 0.3	0.06	1.4
2009 268.0 to 2010 3.0	3.82 ± 0.02	-144.4 ± 0.3	0.05	1.3
2009 302.0 to 2010 37.0	3.82 ± 0.02	-144.6 ± 0.3	0.04	1.0
2009 336.0 to 2010 71.0	3.82 ± 0.03	-144.5 ± 0.4	0.04	1.1
2010 5.0 to 2010 105.0	3.83 ± 0.02	-144.3 ± 0.3	0.05	1.4
2010 39.0 to 2010 139.0	3.83 ± 0.02	-144.4 ± 0.3	0.05	1.2
2010 73.0 to 2010 173.0	3.80 ± 0.02	-144.7 ± 0.3	0.05	1.3
2010 107.0 to 2010 207.0	3.76 ± 0.02	-145.2 ± 0.3	0.09	2.2
2010 141.0 to 2010 241.0	3.78 ± 0.02	-145.4 ± 0.3	0.07	1.8
2010 175.0 to 2010 275.0	3.82 ± 0.03	-145.8 ± 0.4	0.06	1.5
2010 209.0 to 2010 309.0	3.85 ± 0.02	-145.4 ± 0.3	0.02	0.6
2010 243.0 to 2010 343.0	3.84 ± 0.02	-145.6 ± 0.3	0.04	1.0
2010 277.0 to 2011 12.0	3.86 ± 0.03	-145.0 ± 0.4	0.02	0.4
2010 311.0 to 2011 46.0	3.86 ± 0.03	-145.0 ± 0.4	0.02	0.4
2010 345.0 to 2011 80.0	3.88 ± 0.03	-145.5 ± 0.4	0.05	1.2
2011 14.0 to 2011 114.0	3.87 ± 0.03	-146.2 ± 0.4	0.08	2.1
2011 48.0 to 2011 148.0	3.84 ± 0.03	-146.4 ± 0.4	0.09	2.4
2011 82.0 to 2011 182.0	3.84 ± 0.01	-146.5 ± 0.1	0.10	2.5
2011 116.0 to 2011 216.0	3.83 ± 0.01	-147.2 ± 0.1	0.15	3.8
2011 150.0 to 2011 250.0	3.80 ± 0.04	-147.2 ± 0.6	0.15	3.9
2011 184.0 to 2011 284.0	3.80 ± 0.04	-146.7 ± 0.6	0.12	3.1
2011 218.0 to 2011 318.0	3.80 ± 0.04	-145.6 ± 0.6	0.06	1.5
2011 252.0 to 2011 352.0	3.80 ± 0.02	-145.1 ± 0.3	0.05	1.2
2011 286.0 to 2012 21.0	3.80 ± 0.02	-145.1 ± 0.3	0.05	1.2

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	1.72 ± 0.05	-123.3 ± 1.7	0.21	13.5
2009 52.0 to 2009 152.0	1.67 ± 0.08	-121.4 ± 2.7	0.14	9.2
2009 76.0 to 2009 176.0	1.64 ± 0.05	-123.6 ± 1.7	0.14	9.4
2009 100.0 to 2009 200.0	1.67 ± 0.07	-124.7 ± 2.4	0.19	12.3
2009 124.0 to 2009 224.0	1.64 ± 0.07	-123.2 ± 2.4	0.14	8.9
2009 148.0 to 2009 248.0	1.56 ± 0.05	-123.5 ± 1.8	0.10	6.3
2009 172.0 to 2009 272.0	1.58 ± 0.04	-122.5 ± 1.5	0.08	5.3
2009 196.0 to 2009 296.0	1.48 ± 0.04	-120.3 ± 1.5	0.05	3.6
2009 220.0 to 2009 320.0	1.45 ± 0.04	-119.2 ± 1.6	0.09	5.7
2009 244.0 to 2009 344.0	1.45 ± 0.04	-118.0 ± 1.6	0.10	6.5
2009 268.0 to 2010 3.0	1.55 ± 0.04	-119.2 ± 1.5	0.03	1.8
2009 302.0 to 2010 37.0	1.65 ± 0.05	-121.0 ± 1.7	0.12	7.7
2009 336.0 to 2010 71.0	1.65 ± 0.06	-120.3 ± 2.1	0.12	7.6
2010 5.0 to 2010 105.0	1.57 ± 0.05	-120.8 ± 1.8	0.04	2.7
2010 39.0 to 2010 139.0	1.51 ± 0.05	-121.2 ± 1.9	0.04	2.5
2010 73.0 to 2010 173.0	1.55 ± 0.04	-120.9 ± 1.5	0.03	1.8
2010 107.0 to 2010 207.0	1.61 ± 0.04	-118.5 ± 1.4	0.09	5.7
2010 141.0 to 2010 241.0	1.55 ± 0.04	-115.5 ± 1.5	0.12	8.0
2010 175.0 to 2010 275.0	1.50 ± 0.05	-120.8 ± 1.9	0.04	2.6
2010 209.0 to 2010 309.0	1.48 ± 0.05	-120.2 ± 1.9	0.05	3.5
2010 243.0 to 2010 343.0	1.60 ± 0.05	-120.5 ± 1.8	0.07	4.4
2010 277.0 to 2011 12.0	1.56 ± 0.07	-116.8 ± 2.6	0.09	6.0
2010 311.0 to 2011 46.0	1.59 ± 0.06	-119.2 ± 2.2	0.06	3.9
2010 345.0 to 2011 80.0	1.45 ± 0.07	-124.6 ± 2.8	0.15	9.5
2011 14.0 to 2011 114.0	1.42 ± 0.07	-124.1 ± 2.8	0.15	10.1
2011 48.0 to 2011 148.0	1.32 ± 0.06	-123.2 ± 2.6	0.23	14.9
2011 82.0 to 2011 182.0	1.35 ± 0.03	-117.0 ± 1.3	0.20	13.0
2011 116.0 to 2011 216.0	1.42 ± 0.03	-116.8 ± 1.2	0.14	9.2
2011 150.0 to 2011 250.0	1.47 ± 0.06	-115.4 ± 2.3	0.14	9.0
2011 184.0 to 2011 284.0	1.45 ± 0.06	-115.6 ± 2.4	0.14	9.3
2011 218.0 to 2011 318.0	1.39 ± 0.06	-115.9 ± 2.5	0.18	11.7
2011 252.0 to 2011 352.0	1.31 ± 0.04	-120.8 ± 1.7	0.22	14.7
2011 286.0 to 2012 21.0	1.27 ± 0.03	-118.8 ± 1.4	0.27	17.3

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	0.94 ± 0.22	-32.5 ± 13.4	0.99	66.7
2009 52.0 to 2009 152.0	2.36 ± 0.32	-2.3 ± 7.8	0.95	64.0
2009 76.0 to 2009 176.0	2.27 ± 0.22	-1.0 ± 5.6	0.85	57.2
2009 100.0 to 2009 200.0	1.90 ± 0.27	-15.5 ± 8.1	0.81	55.0
2009 124.0 to 2009 224.0	2.66 ± 0.31	12.0 ± 6.7	1.19	80.1
2009 148.0 to 2009 248.0	1.88 ± 0.19	7.0 ± 5.8	0.40	27.2
2009 172.0 to 2009 272.0	2.74 ± 0.15	19.8 ± 3.1	1.32	89.2
2009 196.0 to 2009 296.0	1.31 ± 0.14	25.3 ± 6.1	0.44	29.8
2009 220.0 to 2009 320.0	1.52 ± 0.16	23.3 ± 6.0	0.39	26.2
2009 244.0 to 2009 344.0	1.64 ± 0.15	63.8 ± 5.2	1.45	98.2
2009 268.0 to 2010 3.0	1.63 ± 0.17	29.5 ± 6.0	0.58	39.5
2009 302.0 to 2010 37.0	1.08 ± 0.20	24.2 ± 10.6	0.53	35.7
2009 336.0 to 2010 71.0	0.87 ± 0.23	7.6 ± 15.1	0.61	41.2
2010 5.0 to 2010 105.0	1.18 ± 0.20	-4.9 ± 9.7	0.43	29.1
2010 39.0 to 2010 139.0	2.19 ± 0.19	-8.9 ± 5.0	0.90	60.5
2010 73.0 to 2010 173.0	2.08 ± 0.15	-29.0 ± 4.1	1.28	86.4
2010 107.0 to 2010 207.0	2.15 ± 0.15	0.2 ± 4.0	0.72	48.5
2010 141.0 to 2010 241.0	2.20 ± 0.15	13.3 ± 3.9	0.74	49.7
2010 175.0 to 2010 275.0	1.89 ± 0.22	3.6 ± 6.7	0.43	29.3
2010 209.0 to 2010 309.0	1.71 ± 0.20	33.0 ± 6.7	0.71	48.1
2010 243.0 to 2010 343.0	1.13 ± 0.19	11.2 ± 9.6	0.36	24.0
2010 277.0 to 2011 12.0	1.42 ± 0.28	27.5 ± 11.3	0.48	32.5
2010 311.0 to 2011 46.0	0.90 ± 0.25	-33.9 ± 15.9	1.02	68.7
2010 345.0 to 2011 80.0	0.77 ± 0.28	-35.5 ± 20.8	1.07	72.3
2011 14.0 to 2011 114.0	2.12 ± 0.29	-9.9 ± 7.8	0.86	57.8
2011 48.0 to 2011 148.0	2.00 ± 0.24	-31.2 ± 6.9	1.28	86.4
2011 82.0 to 2011 182.0	1.97 ± 0.13	1.6 ± 3.8	0.53	35.9
2011 116.0 to 2011 216.0	2.17 ± 0.12	4.8 ± 3.2	0.70	47.3
2011 150.0 to 2011 250.0	1.87 ± 0.25	7.9 ± 7.7	0.39	26.4
2011 184.0 to 2011 284.0	1.88 ± 0.24	55.7 ± 7.3	1.39	94.1
2011 218.0 to 2011 318.0	1.77 ± 0.26	34.2 ± 8.4	0.78	52.4
2011 252.0 to 2011 352.0	0.61 ± 0.15	58.3 ± 14.1	1.18	79.8
2011 286.0 to 2012 21.0	1.10 ± 0.14	38.3 ± 7.3	0.76	51.2

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	1.82 ± 0.11	35.2 ± 3.5	0.22	11.6
2009 52.0 to 2009 152.0	1.89 ± 0.14	23.7 ± 4.2	0.16	8.7
2009 76.0 to 2009 176.0	2.07 ± 0.09	23.3 ± 2.5	0.26	14.0
2009 100.0 to 2009 200.0	2.27 ± 0.11	27.0 ± 2.8	0.39	20.9
2009 124.0 to 2009 224.0	2.18 ± 0.13	31.9 ± 3.4	0.32	16.9
2009 148.0 to 2009 248.0	1.78 ± 0.09	27.0 ± 2.9	0.12	6.1
2009 172.0 to 2009 272.0	2.13 ± 0.07	17.5 ± 1.9	0.46	24.6
2009 196.0 to 2009 296.0	1.80 ± 0.07	29.3 ± 2.2	0.08	4.5
2009 220.0 to 2009 320.0	1.83 ± 0.07	39.5 ± 2.2	0.35	18.8
2009 244.0 to 2009 344.0	1.74 ± 0.07	35.2 ± 2.3	0.25	13.3
2009 268.0 to 2010 3.0	1.76 ± 0.08	23.8 ± 2.6	0.20	10.5
2009 302.0 to 2010 37.0	1.83 ± 0.09	35.4 ± 2.8	0.22	11.9
2009 336.0 to 2010 71.0	2.03 ± 0.10	30.9 ± 2.8	0.17	8.8
2010 5.0 to 2010 105.0	1.90 ± 0.09	31.7 ± 2.7	0.10	5.4
2010 39.0 to 2010 139.0	2.11 ± 0.09	32.8 ± 2.4	0.27	14.3
2010 73.0 to 2010 173.0	2.13 ± 0.07	28.4 ± 1.9	0.25	13.2
2010 107.0 to 2010 207.0	1.79 ± 0.07	28.3 ± 2.2	0.09	4.9
2010 141.0 to 2010 241.0	1.91 ± 0.08	23.1 ± 2.4	0.19	9.9
2010 175.0 to 2010 275.0	1.78 ± 0.10	30.5 ± 3.2	0.12	6.2
2010 209.0 to 2010 309.0	2.02 ± 0.09	25.2 ± 2.6	0.18	9.7
2010 243.0 to 2010 343.0	1.97 ± 0.09	39.7 ± 2.6	0.38	20.2
2010 277.0 to 2011 12.0	1.73 ± 0.12	21.0 ± 4.0	0.29	15.2
2010 311.0 to 2011 46.0	1.90 ± 0.11	41.6 ± 3.3	0.43	22.6
2010 345.0 to 2011 80.0	2.01 ± 0.12	24.4 ± 3.4	0.19	10.3
2011 14.0 to 2011 114.0	1.86 ± 0.12	29.4 ± 3.7	0.03	1.7
2011 48.0 to 2011 148.0	1.92 ± 0.10	30.7 ± 3.0	0.08	4.1
2011 82.0 to 2011 182.0	2.07 ± 0.06	32.1 ± 1.7	0.22	11.8
2011 116.0 to 2011 216.0	1.91 ± 0.05	16.7 ± 1.5	0.40	21.1
2011 150.0 to 2011 250.0	1.93 ± 0.14	23.8 ± 4.2	0.17	9.0
2011 184.0 to 2011 284.0	1.78 ± 0.17	21.1 ± 5.5	0.26	14.0
2011 218.0 to 2011 318.0	1.93 ± 0.16	29.7 ± 4.7	0.06	3.1
2011 252.0 to 2011 352.0	1.56 ± 0.07	34.1 ± 2.6	0.36	19.1
2011 286.0 to 2012 21.0	1.50 ± 0.07	31.4 ± 2.7	0.39	20.7