

## jes1 Comparison between current analysis and prior analysis

Pressure comparison			
time interval	Pressure Coef. counts/counts	Difference counts/counts	Percent change
2012 342.0 to 2013 76.0	0.68723 ± 0.00416	0.00782	1.2
2012 364.0 to 2013 98.0	0.68702 ± 0.00373	0.00761	1.1
2013 20.0 to 2013 120.0	0.68729 ± 0.00325	0.00788	1.2
2013 47.0 to 2013 147.0	0.67723 ± 0.00384	-0.00218	-0.3
2013 69.0 to 2013 169.0	0.66843 ± 0.00354	-0.01098	-1.6
2013 91.0 to 2013 191.0	0.67077 ± 0.00398	-0.00864	-1.3
2013 113.0 to 2013 213.0	0.66264 ± 0.00241	-0.01677	-2.5
2013 135.0 to 2013 235.0	0.66299 ± 0.00297	-0.01642	-2.4
2013 157.0 to 2013 257.0	0.63185 ± 0.01038	-0.04756	-7.0
2013 183.0 to 2013 288.0	0.65987 ± 0.00386	-0.01954	-2.9
2013 210.0 to 2013 310.0	0.66209 ± 0.00339	-0.01732	-2.5
2013 232.0 to 2013 332.0	0.68485 ± 0.00373	0.00544	0.8
2013 235.0 to 2013 340.0	0.68518 ± 0.00342	0.00577	0.8
2013 262.0 to 2013 362.0	0.69452 ± 0.00242	0.01511	2.2
2013 273.0 to 2014 13.0	0.69437 ± 0.00305	0.01496	2.2
2013 300.0 to 2014 35.0	0.69401 ± 0.00760	0.01460	2.1
2013 322.0 to 2014 57.0	0.67991 ± 0.00619	0.00050	0.1
2013 343.0 to 2014 83.0	0.67345 ± 0.01186	-0.00596	-0.9
2014 5.0 to 2014 105.0	0.67361 ± 0.01121	-0.00580	-0.9
2014 14.0 to 2014 119.0	0.65911 ± 0.01708	-0.02030	-3.0

Tidal comparison M2				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2012 342.0 to 2013 76.0	13.52 ± 0.03	-131.6 ± 0.1	0.36	2.7
2012 364.0 to 2013 98.0	13.56 ± 0.02	-131.7 ± 0.1	0.39	3.0
2013 20.0 to 2013 120.0	13.60 ± 0.02	-131.7 ± 0.1	0.43	3.2
2013 47.0 to 2013 147.0	13.60 ± 0.02	-131.6 ± 0.1	0.43	3.3
2013 69.0 to 2013 169.0	13.58 ± 0.01	-131.5 ± 0.0	0.42	3.2
2013 91.0 to 2013 191.0	13.57 ± 0.02	-131.7 ± 0.1	0.40	3.0
2013 113.0 to 2013 213.0	13.58 ± 0.01	-131.5 ± 0.0	0.42	3.2
2013 135.0 to 2013 235.0	13.60 ± 0.01	-131.2 ± 0.0	0.47	3.6
2013 157.0 to 2013 257.0	13.93 ± 0.04	-133.4 ± 0.2	0.81	6.1
2013 183.0 to 2013 288.0	13.64 ± 0.01	-130.8 ± 0.0	0.55	4.2
2013 210.0 to 2013 310.0	13.64 ± 0.01	-130.9 ± 0.0	0.54	4.1
2013 232.0 to 2013 332.0	13.62 ± 0.02	-130.7 ± 0.1	0.55	4.2
2013 235.0 to 2013 340.0	13.62 ± 0.01	-130.6 ± 0.0	0.56	4.3
2013 262.0 to 2013 362.0	13.61 ± 0.01	-130.6 ± 0.0	0.56	4.2
2013 273.0 to 2014 13.0	13.58 ± 0.02	-130.8 ± 0.1	0.50	3.8
2013 300.0 to 2014 35.0	13.54 ± 0.03	-130.9 ± 0.1	0.46	3.5
2013 322.0 to 2014 57.0	13.56 ± 0.04	-130.7 ± 0.2	0.50	3.8
2013 343.0 to 2014 83.0	13.37 ± 0.08	-131.9 ± 0.3	0.19	1.5
2014 5.0 to 2014 105.0	13.37 ± 0.07	-131.5 ± 0.3	0.24	1.8
2014 14.0 to 2014 119.0	13.57 ± 0.10	-132.3 ± 0.4	0.39	2.9

Tidal comparison <b>O1</b>				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2012 342.0 to 2013 76.0	6.23 ± 0.06	151.0 ± 0.6	0.81	11.6
2012 364.0 to 2013 98.0	6.18 ± 0.05	150.7 ± 0.5	0.87	12.4
2013 20.0 to 2013 120.0	6.17 ± 0.04	151.2 ± 0.4	0.87	12.4
2013 47.0 to 2013 147.0	6.18 ± 0.04	151.7 ± 0.4	0.85	12.1
2013 69.0 to 2013 169.0	6.20 ± 0.04	151.6 ± 0.4	0.83	11.9
2013 91.0 to 2013 191.0	6.23 ± 0.04	151.5 ± 0.4	0.81	11.5
2013 113.0 to 2013 213.0	6.22 ± 0.02	150.8 ± 0.2	0.83	11.8
2013 135.0 to 2013 235.0	6.18 ± 0.03	150.3 ± 0.3	0.88	12.5
2013 157.0 to 2013 257.0	6.42 ± 0.07	143.5 ± 0.6	1.20	17.1
2013 183.0 to 2013 288.0	6.04 ± 0.03	149.8 ± 0.3	1.03	14.7
2013 210.0 to 2013 310.0	6.00 ± 0.03	150.1 ± 0.3	1.06	15.1
2013 232.0 to 2013 332.0	5.96 ± 0.04	150.5 ± 0.4	1.09	15.5
2013 235.0 to 2013 340.0	5.99 ± 0.04	150.6 ± 0.4	1.06	15.1
2013 262.0 to 2013 362.0	5.97 ± 0.03	150.5 ± 0.3	1.08	15.4
2013 273.0 to 2014 13.0	5.98 ± 0.04	150.3 ± 0.4	1.08	15.3
2013 300.0 to 2014 35.0	5.96 ± 0.06	150.1 ± 0.6	1.10	15.6
2013 322.0 to 2014 57.0	6.12 ± 0.09	150.1 ± 0.8	0.95	13.4
2013 343.0 to 2014 83.0	6.13 ± 0.17	148.8 ± 1.6	0.99	14.0
2014 5.0 to 2014 105.0	5.88 ± 0.17	150.7 ± 1.7	1.16	16.6
2014 14.0 to 2014 119.0	5.86 ± 0.23	150.6 ± 2.2	1.19	16.9

Tidal comparison <b>K1</b>				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2012 342.0 to 2013 76.0	6.94 ± 0.23	-68.6 ± 1.9	0.42	5.7
2012 364.0 to 2013 98.0	6.99 ± 0.19	-67.6 ± 1.6	0.41	5.5
2013 20.0 to 2013 120.0	6.80 ± 0.15	-67.5 ± 1.3	0.58	8.0
2013 47.0 to 2013 147.0	6.57 ± 0.17	-68.0 ± 1.5	0.79	10.8
2013 69.0 to 2013 169.0	6.47 ± 0.14	-68.9 ± 1.2	0.88	12.0
2013 91.0 to 2013 191.0	6.34 ± 0.17	-69.0 ± 1.5	1.01	13.8
2013 113.0 to 2013 213.0	6.17 ± 0.08	-68.2 ± 0.7	1.19	16.1
2013 135.0 to 2013 235.0	6.48 ± 0.10	-71.2 ± 0.9	0.91	12.4
2013 157.0 to 2013 257.0	13.42 ± 0.28	-60.6 ± 1.2	6.24	84.9
2013 183.0 to 2013 288.0	6.47 ± 0.12	-70.2 ± 1.1	0.89	12.1
2013 210.0 to 2013 310.0	6.46 ± 0.12	-69.2 ± 1.1	0.89	12.1
2013 232.0 to 2013 332.0	7.42 ± 0.16	-67.4 ± 1.2	0.23	3.1
2013 235.0 to 2013 340.0	7.37 ± 0.12	-64.6 ± 0.9	0.57	7.8
2013 262.0 to 2013 362.0	7.10 ± 0.11	-71.1 ± 0.9	0.36	4.9
2013 273.0 to 2014 13.0	7.28 ± 0.13	-71.4 ± 1.0	0.31	4.2
2013 300.0 to 2014 35.0	6.79 ± 0.28	-64.7 ± 2.4	0.78	10.6
2013 322.0 to 2014 57.0	8.21 ± 0.51	14.5 ± 3.6	10.39	141.3
2013 343.0 to 2014 83.0	8.74 ± 0.66	-56.0 ± 4.3	2.29	31.2
2014 5.0 to 2014 105.0	10.56 ± 0.59	-67.3 ± 3.2	3.22	43.8
2014 14.0 to 2014 119.0	1.18 ± 0.91	-10.5 ± 44.2	6.81	92.6

Tidal comparison <b>S2</b>				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2012 342.0 to 2013 76.0	$5.91 \pm 0.10$	$48.3 \pm 1.0$	0.06	1.1
2012 364.0 to 2013 98.0	$5.86 \pm 0.08$	$47.4 \pm 0.8$	0.07	1.2
2013 20.0 to 2013 120.0	$5.86 \pm 0.06$	$48.0 \pm 0.6$	0.07	1.2
2013 47.0 to 2013 147.0	$5.92 \pm 0.07$	$48.6 \pm 0.7$	0.09	1.6
2013 69.0 to 2013 169.0	$6.14 \pm 0.06$	$47.6 \pm 0.6$	0.22	3.7
2013 91.0 to 2013 191.0	$6.05 \pm 0.07$	$47.1 \pm 0.7$	0.14	2.4
2013 113.0 to 2013 213.0	$5.95 \pm 0.04$	$47.7 \pm 0.4$	0.03	0.4
2013 135.0 to 2013 235.0	$5.79 \pm 0.04$	$48.9 \pm 0.4$	0.18	3.1
2013 157.0 to 2013 257.0	$1.95 \pm 0.17$	$85.0 \pm 5.0$	4.53	76.5
2013 183.0 to 2013 288.0	$5.97 \pm 0.06$	$47.7 \pm 0.6$	0.05	0.8
2013 210.0 to 2013 310.0	$5.96 \pm 0.05$	$49.6 \pm 0.5$	0.20	3.4
2013 232.0 to 2013 332.0	$5.88 \pm 0.06$	$45.7 \pm 0.6$	0.21	3.5
2013 235.0 to 2013 340.0	$5.98 \pm 0.05$	$45.3 \pm 0.5$	0.25	4.3
2013 262.0 to 2013 362.0	$5.95 \pm 0.05$	$43.3 \pm 0.5$	0.46	7.7
2013 273.0 to 2014 13.0	$6.23 \pm 0.06$	$44.3 \pm 0.6$	0.47	8.0
2013 300.0 to 2014 35.0	$6.19 \pm 0.11$	$47.2 \pm 1.0$	0.27	4.6
2013 322.0 to 2014 57.0	$6.73 \pm 0.25$	$37.4 \pm 2.1$	1.39	23.5
2013 343.0 to 2014 83.0	$3.58 \pm 0.32$	$25.3 \pm 5.1$	2.95	49.8
2014 5.0 to 2014 105.0	$8.76 \pm 0.28$	$54.2 \pm 1.8$	2.95	49.8
2014 14.0 to 2014 119.0	$7.44 \pm 0.33$	$53.1 \pm 2.5$	1.64	27.7