

**frs1 Comparison between current analysis and prior analysis**

<b>Pressure comparison</b>			
time interval	Pressure Coef. counts/counts	Difference counts/counts	Percent change
2014 155.0 to 2014 255.0	0.46342 ± 0.00414	-0.01289	-2.7
2014 177.0 to 2014 277.0	0.46480 ± 0.00387	-0.01151	-2.4
2014 199.0 to 2014 299.0	0.46499 ± 0.00462	-0.01132	-2.4
2014 221.0 to 2014 321.0	0.47060 ± 0.00677	-0.00571	-1.2
2014 243.0 to 2014 343.0	0.47667 ± 0.00623	0.00036	0.1
2014 265.0 to 2014 365.0	0.48115 ± 0.00505	0.00484	1.0
2014 287.0 to 2015 22.0	0.48216 ± 0.00387	0.00585	1.2
2014 309.0 to 2015 44.0	0.48712 ± 0.00315	0.01081	2.3
2014 331.0 to 2015 66.0	0.48876 ± 0.00315	0.01245	2.6
2014 353.0 to 2015 88.0	0.49263 ± 0.00353	0.01632	3.4
2015 10.0 to 2015 110.0	0.48807 ± 0.00379	0.01176	2.5
2015 35.0 to 2015 140.0	0.48238 ± 0.00367	0.00607	1.3
2015 62.0 to 2015 162.0	0.46658 ± 0.00404	-0.00973	-2.0
2015 69.0 to 2015 174.0	0.46479 ± 0.00389	-0.01152	-2.4
2015 72.0 to 2015 177.0	0.46244 ± 0.00350	-0.01387	-2.9
2015 99.0 to 2015 199.0	0.46372 ± 0.00330	-0.01259	-2.6
2015 121.0 to 2015 221.0	0.46502 ± 0.00278	-0.01129	-2.4
2015 143.0 to 2015 243.0	0.42851 ± 0.05229	-0.04780	-10.0
2015 165.0 to 2015 265.0	0.43283 ± 0.21853	-0.04348	-9.1
2015 187.0 to 2015 287.0	0.21422 ± 0.15466	-0.26209	-55.0

<b>Tidal comparison M2</b>				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2014 155.0 to 2014 255.0	13.61 ± 0.02	-127.7 ± 0.1	0.58	4.4
2014 177.0 to 2014 277.0	13.59 ± 0.02	-127.7 ± 0.1	0.57	4.3
2014 199.0 to 2014 299.0	13.59 ± 0.02	-127.6 ± 0.1	0.58	4.4
2014 221.0 to 2014 321.0	13.59 ± 0.03	-127.7 ± 0.1	0.57	4.3
2014 243.0 to 2014 343.0	13.59 ± 0.03	-127.7 ± 0.1	0.57	4.3
2014 265.0 to 2014 365.0	13.64 ± 0.03	-127.7 ± 0.1	0.61	4.6
2014 287.0 to 2015 22.0	13.61 ± 0.03	-127.7 ± 0.1	0.58	4.4
2014 309.0 to 2015 44.0	13.61 ± 0.02	-127.6 ± 0.1	0.60	4.5
2014 331.0 to 2015 66.0	13.64 ± 0.02	-127.6 ± 0.1	0.62	4.7
2014 353.0 to 2015 88.0	13.56 ± 0.02	-127.6 ± 0.1	0.56	4.2
2015 10.0 to 2015 110.0	13.53 ± 0.02	-127.7 ± 0.1	0.52	4.0
2015 35.0 to 2015 140.0	13.51 ± 0.02	-127.8 ± 0.1	0.49	3.7
2015 62.0 to 2015 162.0	13.52 ± 0.02	-127.9 ± 0.1	0.48	3.7
2015 69.0 to 2015 174.0	13.53 ± 0.02	-127.8 ± 0.1	0.50	3.8
2015 72.0 to 2015 177.0	13.55 ± 0.02	-127.9 ± 0.1	0.51	3.9
2015 99.0 to 2015 199.0	13.59 ± 0.02	-127.6 ± 0.1	0.58	4.4
2015 121.0 to 2015 221.0	13.64 ± 0.01	-127.3 ± 0.0	0.67	5.1
2015 143.0 to 2015 243.0	14.36 ± 0.72	-120.5 ± 2.9	2.41	18.4
2015 165.0 to 2015 265.0	18.96 ± 1.54	-117.6 ± 4.7	6.63	50.5
2015 187.0 to 2015 287.0	15.84 ± 1.09	-121.2 ± 3.9	3.36	25.6

Tidal comparison <b>O1</b>				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2014 155.0 to 2014 255.0	5.70 ± 0.03	148.0 ± 0.3	1.17	17.4
2014 177.0 to 2014 277.0	5.60 ± 0.03	147.8 ± 0.3	1.27	18.8
2014 199.0 to 2014 299.0	5.56 ± 0.04	148.8 ± 0.4	1.26	18.7
2014 221.0 to 2014 321.0	5.56 ± 0.06	149.4 ± 0.6	1.24	18.4
2014 243.0 to 2014 343.0	5.53 ± 0.07	148.9 ± 0.7	1.28	19.1
2014 265.0 to 2014 365.0	5.61 ± 0.07	148.3 ± 0.7	1.24	18.4
2014 287.0 to 2015 22.0	5.64 ± 0.06	147.3 ± 0.6	1.26	18.7
2014 309.0 to 2015 44.0	5.56 ± 0.05	145.9 ± 0.5	1.40	20.8
2014 331.0 to 2015 66.0	5.56 ± 0.05	145.1 ± 0.5	1.45	21.6
2014 353.0 to 2015 88.0	5.50 ± 0.05	145.8 ± 0.5	1.46	21.6
2015 10.0 to 2015 110.0	5.44 ± 0.05	145.7 ± 0.5	1.51	22.4
2015 35.0 to 2015 140.0	5.45 ± 0.04	145.7 ± 0.4	1.50	22.3
2015 62.0 to 2015 162.0	5.47 ± 0.04	145.8 ± 0.4	1.48	22.0
2015 69.0 to 2015 174.0	5.47 ± 0.04	145.4 ± 0.4	1.50	22.3
2015 72.0 to 2015 177.0	5.45 ± 0.04	145.2 ± 0.4	1.53	22.7
2015 99.0 to 2015 199.0	5.51 ± 0.04	144.9 ± 0.4	1.50	22.3
2015 121.0 to 2015 221.0	5.53 ± 0.03	144.1 ± 0.3	1.54	22.8
2015 143.0 to 2015 243.0	6.48 ± 0.77	143.7 ± 6.8	1.11	16.5
2015 165.0 to 2015 265.0	6.11 ± 2.09	150.4 ± 19.6	0.69	10.3
2015 187.0 to 2015 287.0	8.28 ± 1.67	139.1 ± 11.6	2.39	35.5

Tidal comparison <b>K1</b>				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2014 155.0 to 2014 255.0	6.17 ± 0.14	-66.9 ± 1.3	0.95	13.4
2014 177.0 to 2014 277.0	6.30 ± 0.13	-72.3 ± 1.2	0.96	13.5
2014 199.0 to 2014 299.0	6.28 ± 0.16	-66.0 ± 1.5	0.87	12.2
2014 221.0 to 2014 321.0	6.71 ± 0.26	-66.2 ± 2.2	0.46	6.4
2014 243.0 to 2014 343.0	6.29 ± 0.27	-66.3 ± 2.5	0.85	11.9
2014 265.0 to 2014 365.0	6.71 ± 0.28	-66.1 ± 2.4	0.46	6.5
2014 287.0 to 2015 22.0	6.83 ± 0.23	-55.7 ± 1.9	1.52	21.3
2014 309.0 to 2015 44.0	6.83 ± 0.19	-66.3 ± 1.6	0.35	4.9
2014 331.0 to 2015 66.0	6.68 ± 0.19	-63.7 ± 1.6	0.67	9.4
2014 353.0 to 2015 88.0	6.33 ± 0.21	-56.4 ± 1.9	1.56	22.0
2015 10.0 to 2015 110.0	6.04 ± 0.21	-61.4 ± 2.0	1.31	18.4
2015 35.0 to 2015 140.0	5.96 ± 0.14	-60.6 ± 1.3	1.43	20.0
2015 62.0 to 2015 162.0	5.90 ± 0.18	-61.3 ± 1.7	1.43	20.1
2015 69.0 to 2015 174.0	5.84 ± 0.14	-63.1 ± 1.4	1.39	19.5
2015 72.0 to 2015 177.0	5.63 ± 0.13	-62.2 ± 1.3	1.62	22.7
2015 99.0 to 2015 199.0	5.68 ± 0.14	-62.0 ± 1.4	1.58	22.2
2015 121.0 to 2015 221.0	5.90 ± 0.12	-63.9 ± 1.2	1.30	18.2
2015 143.0 to 2015 243.0	5.11 ± 3.48	-33.7 ± 39.0	4.08	57.3
2015 165.0 to 2015 265.0	18.15 ± 8.94	-43.0 ± 28.2	12.08	169.8
2015 187.0 to 2015 287.0	10.91 ± 6.80	-144.9 ± 35.7	11.60	163.1

Tidal comparison <b>S2</b>				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2014 155.0 to 2014 255.0	$5.83 \pm 0.07$	$51.1 \pm 0.7$	0.17	2.9
2014 177.0 to 2014 277.0	$5.92 \pm 0.06$	$49.5 \pm 0.6$	0.02	0.3
2014 199.0 to 2014 299.0	$5.75 \pm 0.07$	$47.5 \pm 0.7$	0.27	4.5
2014 221.0 to 2014 321.0	$6.04 \pm 0.11$	$47.9 \pm 1.0$	0.22	3.8
2014 243.0 to 2014 343.0	$6.14 \pm 0.12$	$51.2 \pm 1.1$	0.28	4.8
2014 265.0 to 2014 365.0	$6.09 \pm 0.12$	$49.4 \pm 1.1$	0.18	3.1
2014 287.0 to 2015 22.0	$5.60 \pm 0.10$	$47.7 \pm 1.0$	0.36	6.2
2014 309.0 to 2015 44.0	$5.51 \pm 0.09$	$49.4 \pm 0.9$	0.40	6.8
2014 331.0 to 2015 66.0	$5.88 \pm 0.09$	$49.3 \pm 0.9$	0.04	0.7
2014 353.0 to 2015 88.0	$6.05 \pm 0.09$	$47.9 \pm 0.9$	0.23	3.9
2015 10.0 to 2015 110.0	$5.74 \pm 0.08$	$48.5 \pm 0.8$	0.20	3.5
2015 35.0 to 2015 140.0	$5.92 \pm 0.07$	$49.5 \pm 0.7$	0.02	0.3
2015 62.0 to 2015 162.0	$5.98 \pm 0.08$	$49.9 \pm 0.8$	0.08	1.3
2015 69.0 to 2015 174.0	$5.95 \pm 0.07$	$51.1 \pm 0.7$	0.16	2.7
2015 72.0 to 2015 177.0	$5.87 \pm 0.06$	$51.9 \pm 0.6$	0.24	4.0
2015 99.0 to 2015 199.0	$5.88 \pm 0.06$	$50.7 \pm 0.6$	0.12	1.9
2015 121.0 to 2015 221.0	$5.73 \pm 0.05$	$49.8 \pm 0.5$	0.18	3.1
2015 143.0 to 2015 243.0	$18.85 \pm 3.09$	$82.2 \pm 9.4$	14.23	240.8
2015 165.0 to 2015 265.0	$6.03 \pm 6.11$	$18.8 \pm 58.1$	3.17	53.7
2015 187.0 to 2015 287.0	$5.16 \pm 4.22$	$42.9 \pm 46.9$	0.99	16.8