

**dls1 Comparison between current analysis and prior analysis**

<b>Pressure comparison</b>			
time interval	Pressure Coef. counts/counts	Difference counts/counts	Percent change
2015 152.0 to 2015 252.0	0.43231 ± 0.00218	-0.01046	-2.4
2015 174.0 to 2015 274.0	0.43023 ± 0.00234	-0.01254	-2.8
2015 196.0 to 2015 296.0	0.42224 ± 0.00228	-0.02053	-4.6
2015 218.0 to 2015 318.0	0.41985 ± 0.00256	-0.02292	-5.2
2015 240.0 to 2015 340.0	0.42209 ± 0.00249	-0.02068	-4.7
2015 246.0 to 2015 351.0	0.42219 ± 0.00192	-0.02058	-4.6
2015 273.0 to 2016 8.0	0.43592 ± 0.00211	-0.00685	-1.5
2015 295.0 to 2016 30.0	0.44849 ± 0.00230	0.00572	1.3
2015 318.0 to 2016 53.0	0.45744 ± 0.00212	0.01467	3.3
2015 340.0 to 2016 75.0	0.46907 ± 0.00173	0.02630	5.9
2015 362.0 to 2016 97.0	0.46944 ± 0.00331	0.02667	6.0
2016 19.0 to 2016 119.0	0.46682 ± 0.00336	0.02405	5.4
2016 41.0 to 2016 141.0	0.46257 ± 0.00349	0.01980	4.5
2016 63.0 to 2016 163.0	0.45302 ± 0.00307	0.01025	2.3
2016 85.0 to 2016 185.0	0.44727 ± 0.00264	0.00450	1.0
2016 107.0 to 2016 207.0	0.44062 ± 0.00577	-0.00215	-0.5
2016 129.0 to 2016 229.0	0.44148 ± 0.00707	-0.00129	-0.3
2016 151.0 to 2016 251.0	0.40329 ± 0.00783	-0.03948	-8.9
2016 173.0 to 2016 273.0	0.42345 ± 0.00843	-0.01932	-4.4
2016 195.0 to 2016 295.0	0.30962 ± 0.00656	-0.13315	-30.1

<b>Tidal comparison M2</b>				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2015 152.0 to 2015 252.0	12.76 ± 0.02	-128.7 ± 0.1	0.45	3.5
2015 174.0 to 2015 274.0	12.68 ± 0.02	-128.8 ± 0.1	0.42	3.3
2015 196.0 to 2015 296.0	12.60 ± 0.02	-128.7 ± 0.1	0.46	3.6
2015 218.0 to 2015 318.0	12.54 ± 0.03	-128.7 ± 0.1	0.48	3.8
2015 240.0 to 2015 340.0	12.44 ± 0.03	-128.7 ± 0.1	0.53	4.1
2015 246.0 to 2015 351.0	12.49 ± 0.03	-129.1 ± 0.1	0.43	3.4
2015 273.0 to 2016 8.0	12.73 ± 0.04	-129.7 ± 0.2	0.22	1.7
2015 295.0 to 2016 30.0	13.03 ± 0.04	-129.4 ± 0.2	0.42	3.3
2015 318.0 to 2016 53.0	13.30 ± 0.04	-129.3 ± 0.2	0.65	5.1
2015 340.0 to 2016 75.0	13.62 ± 0.03	-129.7 ± 0.1	0.92	7.2
2015 362.0 to 2016 97.0	13.57 ± 0.05	-129.1 ± 0.2	0.91	7.2
2016 19.0 to 2016 119.0	13.49 ± 0.05	-129.3 ± 0.2	0.82	6.5
2016 41.0 to 2016 141.0	13.37 ± 0.04	-129.4 ± 0.2	0.70	5.5
2016 63.0 to 2016 163.0	13.27 ± 0.04	-129.2 ± 0.2	0.64	5.0
2016 85.0 to 2016 185.0	13.16 ± 0.03	-129.1 ± 0.1	0.56	4.4
2016 107.0 to 2016 207.0	13.15 ± 0.06	-128.8 ± 0.3	0.60	4.7
2016 129.0 to 2016 229.0	13.13 ± 0.07	-128.9 ± 0.3	0.57	4.5
2016 151.0 to 2016 251.0	12.50 ± 0.08	-129.6 ± 0.4	0.34	2.6
2016 173.0 to 2016 273.0	13.01 ± 0.10	-129.4 ± 0.4	0.40	3.2
2016 195.0 to 2016 295.0	12.93 ± 0.09	-129.0 ± 0.4	0.43	3.4

Tidal comparison <b>O1</b>				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2015 152.0 to 2015 252.0	5.31 ± 0.05	145.9 ± 0.5	1.42	21.8
2015 174.0 to 2015 274.0	5.22 ± 0.05	145.5 ± 0.5	1.51	23.3
2015 196.0 to 2015 296.0	5.12 ± 0.05	145.4 ± 0.6	1.60	24.6
2015 218.0 to 2015 318.0	5.07 ± 0.06	145.9 ± 0.7	1.61	24.9
2015 240.0 to 2015 340.0	5.05 ± 0.06	145.7 ± 0.7	1.64	25.3
2015 246.0 to 2015 351.0	5.05 ± 0.06	145.8 ± 0.7	1.64	25.2
2015 273.0 to 2016 8.0	5.26 ± 0.08	146.6 ± 0.9	1.42	21.9
2015 295.0 to 2016 30.0	5.43 ± 0.09	147.0 ± 0.9	1.26	19.4
2015 318.0 to 2016 53.0	5.51 ± 0.08	145.9 ± 0.8	1.26	19.5
2015 340.0 to 2016 75.0	5.59 ± 0.07	145.4 ± 0.7	1.24	19.1
2015 362.0 to 2016 97.0	5.54 ± 0.12	144.5 ± 1.2	1.34	20.6
2016 19.0 to 2016 119.0	5.46 ± 0.11	143.5 ± 1.2	1.47	22.6
2016 41.0 to 2016 141.0	5.41 ± 0.10	143.4 ± 1.1	1.50	23.2
2016 63.0 to 2016 163.0	5.44 ± 0.08	143.4 ± 0.8	1.49	22.9
2016 85.0 to 2016 185.0	5.52 ± 0.06	142.9 ± 0.6	1.47	22.7
2016 107.0 to 2016 207.0	5.72 ± 0.14	143.4 ± 1.4	1.32	20.4
2016 129.0 to 2016 229.0	5.70 ± 0.15	143.0 ± 1.5	1.37	21.1
2016 151.0 to 2016 251.0	5.57 ± 0.17	143.8 ± 1.7	1.37	21.2
2016 173.0 to 2016 273.0	5.95 ± 0.22	139.8 ± 2.1	1.58	24.3
2016 195.0 to 2016 295.0	5.70 ± 0.17	149.9 ± 1.7	0.88	13.6

Tidal comparison <b>K1</b>				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2015 152.0 to 2015 252.0	5.35 ± 0.20	-55.9 ± 2.1	1.85	26.2
2015 174.0 to 2015 274.0	6.41 ± 0.21	-62.2 ± 1.9	0.67	9.5
2015 196.0 to 2015 296.0	6.02 ± 0.21	-61.9 ± 2.0	1.06	15.0
2015 218.0 to 2015 318.0	6.17 ± 0.26	-58.9 ± 2.4	0.98	13.9
2015 240.0 to 2015 340.0	6.63 ± 0.26	-57.5 ± 2.2	0.71	10.0
2015 246.0 to 2015 351.0	6.46 ± 0.20	-59.5 ± 1.8	0.69	9.8
2015 273.0 to 2016 8.0	7.23 ± 0.31	-57.3 ± 2.5	0.62	8.7
2015 295.0 to 2016 30.0	6.93 ± 0.37	-56.5 ± 3.1	0.70	9.9
2015 318.0 to 2016 53.0	6.90 ± 0.35	-64.2 ± 2.9	0.32	4.5
2015 340.0 to 2016 75.0	7.43 ± 0.29	-55.2 ± 2.2	0.94	13.2
2015 362.0 to 2016 97.0	6.67 ± 0.47	-55.4 ± 4.0	0.90	12.7
2016 19.0 to 2016 119.0	6.49 ± 0.44	-60.6 ± 3.9	0.62	8.7
2016 41.0 to 2016 141.0	6.31 ± 0.42	-60.6 ± 3.8	0.79	11.2
2016 63.0 to 2016 163.0	6.33 ± 0.32	-53.7 ± 2.9	1.23	17.4
2016 85.0 to 2016 185.0	5.91 ± 0.24	-60.2 ± 2.3	1.19	16.8
2016 107.0 to 2016 207.0	6.39 ± 0.60	-59.9 ± 5.4	0.74	10.4
2016 129.0 to 2016 229.0	5.47 ± 0.61	-56.5 ± 6.4	1.72	24.3
2016 151.0 to 2016 251.0	10.92 ± 0.69	-49.2 ± 3.6	4.32	60.9
2016 173.0 to 2016 273.0	16.97 ± 3.25	-71.0 ± 11.0	10.03	141.7
2016 195.0 to 2016 295.0	8.00 ± 1.05	29.0 ± 7.5	10.78	152.3

Tidal comparison <b>S2</b>				
time interval	Amplitude NS or counts	Phase(deg)	Absolute Difference NS or counts	Percent change
2015 152.0 to 2015 252.0	5.48 ± 0.08	51.2 ± 0.8	0.33	5.9
2015 174.0 to 2015 274.0	5.28 ± 0.09	48.0 ± 1.0	0.32	5.8
2015 196.0 to 2015 296.0	5.50 ± 0.09	46.3 ± 0.9	0.20	3.5
2015 218.0 to 2015 318.0	5.20 ± 0.11	44.1 ± 1.2	0.55	9.8
2015 240.0 to 2015 340.0	5.29 ± 0.12	44.7 ± 1.3	0.45	8.0
2015 246.0 to 2015 351.0	5.31 ± 0.10	49.7 ± 1.1	0.33	6.0
2015 273.0 to 2016 8.0	5.55 ± 0.14	59.6 ± 1.4	1.12	20.1
2015 295.0 to 2016 30.0	5.31 ± 0.16	55.4 ± 1.7	0.76	13.6
2015 318.0 to 2016 53.0	4.46 ± 0.15	38.1 ± 1.9	1.44	25.6
2015 340.0 to 2016 75.0	5.50 ± 0.12	47.2 ± 1.3	0.13	2.4
2015 362.0 to 2016 97.0	5.94 ± 0.19	49.2 ± 1.8	0.36	6.3
2016 19.0 to 2016 119.0	6.06 ± 0.18	48.2 ± 1.7	0.46	8.1
2016 41.0 to 2016 141.0	5.87 ± 0.17	49.4 ± 1.7	0.30	5.3
2016 63.0 to 2016 163.0	5.75 ± 0.14	50.9 ± 1.4	0.32	5.7
2016 85.0 to 2016 185.0	5.69 ± 0.11	49.9 ± 1.1	0.20	3.6
2016 107.0 to 2016 207.0	5.71 ± 0.25	50.3 ± 2.5	0.25	4.4
2016 129.0 to 2016 229.0	5.52 ± 0.25	50.3 ± 2.6	0.24	4.2
2016 151.0 to 2016 251.0	6.37 ± 0.31	-24.7 ± 2.8	7.13	127.2
2016 173.0 to 2016 273.0	4.96 ± 1.00	128.9 ± 11.6	6.87	122.6
2016 195.0 to 2016 295.0	2.47 ± 0.33	-17.3 ± 7.7	5.10	90.9