

file name: E:\CSULLIVAN\SOUTH_CAROLINA\PLOTS\TTIDE\ttide_curr_753_surface.txt

date: 31-Jan-2005

nobs = 8150, ngood = 8141, record length (days) = 84.90

start time: 29-Jan-2004 13:45:00

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 1.02, x trend= 0

var(x)= 163.2931 var(xp)= 39.2524 var(xres)= 124.0407

percent var predicted= 24.0 %

x0= 0.316, x trend= 0

var(y)= 137.6828 var(yp)= 23.6739 var(yres)= 114.009

percent var predicted= 17.2 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	2.659	2.624	-0.247	3.91	7.47	85.05	314.31	57.57	1
MSF	0.00282	6.541	3.007	-0.033	3.62	31.03	31.70	353.94	26.34	4.7
ALP1	0.03440	0.419	0.983	-0.204	1.02	55.07	177.65	20.49	173.87	0.18
2Q1	0.03571	1.196	1.002	-0.192	1.00	44.16	44.66	234.72	44.79	1.4
Q1	0.03722	0.697	1.031	-0.125	0.97	26.25	74.16	345.71	78.56	0.46
O1	0.03873	1.191	0.994	0.478	1.01	131.41	54.13	137.43	53.64	1.4
NO1	0.04027	1.430	0.955	-0.715	1.04	75.55	65.00	75.21	61.64	2.2
K1	0.04178	2.607	0.950	-1.643	1.05	96.02	40.48	52.28	38.79	7.5
J1	0.04329	0.709	0.949	-0.269	1.05	88.27	94.28	229.14	87.42	0.56
OO1	0.04483	0.481	1.048	-0.185	0.95	172.51	98.16	177.44	105.54	0.21
UPS1	0.04634	0.383	0.963	-0.173	1.04	111.56	138.94	133.77	132.32	0.16
EPS2	0.07618	1.061	1.017	-0.228	1.06	1.18	67.07	134.94	64.57	1.1
MU2	0.07769	1.029	1.022	0.106	1.06	20.45	62.33	193.39	60.43	1
N2	0.07900	1.679	1.021	-0.193	1.06	16.83	37.80	157.35	36.55	2.7
M2	0.08051	5.063	1.022	3.769	1.05	159.47	33.96	284.75	33.66	25
L2	0.08202	0.675	1.035	-0.014	1.04	140.09	71.88	111.06	71.35	0.43
S2	0.08333	1.877	1.018	1.541	1.06	7.60	126.24	145.44	125.26	3.4
ETA2	0.08507	1.169	1.027	-0.245	1.05	151.30	45.71	334.88	44.77	1.3
MO3	0.11924	0.553	0.472	0.319	0.35	112.23	61.83	298.85	71.45	1.4
M3	0.12077	0.729	0.422	-0.361	0.41	133.18	49.98	31.41	50.76	3
MK3	0.12229	1.033	0.443	-0.212	0.39	125.26	21.78	195.04	24.65	5.4
SK3	0.12511	0.622	0.492	-0.027	0.32	94.89	27.49	257.45	41.69	1.6
MN4	0.15951	0.985	0.509	-0.276	0.54	150.11	37.44	204.33	35.44	3.8
M4	0.16102	1.039	0.495	-0.026	0.56	167.13	32.43	194.71	28.89	4.4
SN4	0.16233	0.379	0.558	0.112	0.49	86.78	88.10	176.24	98.06	0.46
MS4	0.16384	1.045	0.531	-0.020	0.52	49.48	29.34	359.88	29.93	3.9
S4	0.16667	0.508	0.553	-0.005	0.50	73.16	55.90	333.40	62.20	0.84
2MK5	0.20280	0.324	0.354	-0.094	0.23	102.44	47.29	52.63	67.73	0.83
2SK5	0.20845	0.359	0.320	-0.155	0.28	54.67	55.33	19.47	61.30	1.3
2MN6	0.24002	0.424	0.239	-0.034	0.25	109.46	36.50	20.96	35.43	3.2
M6	0.24153	0.794	0.243	-0.019	0.24	136.39	19.04	359.00	19.08	11
2MS6	0.24436	0.300	0.238	-0.134	0.25	83.90	67.79	130.01	66.10	1.6
2SM6	0.24718	0.176	0.238	0.100	0.25	75.00	139.18	148.97	136.81	0.54
3MK7	0.28331	0.146	0.186	0.060	0.19	130.41	95.72	279.27	95.34	0.61
M8	0.32205	0.092	0.104	-0.059	0.12	96.04	158.99	161.96	152.03	0.77

total var= 300.9759 pred var= 62.9263

percent total var predicted= 20.9 %