

file name: E:\CSULLIVAN\SOUTH\_CAROLINA\PLOTS\TTIDE\ttide\_curr\_751\_surface.txt

date: 31-Jan-2005

nobs = 8113, ngood = 8079, record length (days) = 84.51

start time: 30-Jan-2004 03:57:30

rayleigh criterion = 1.0

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

x0= 1.42, x trend= 0

var(x)= 522.3105 var(xp)= 95.6848 var(xres)= 426.6257

percent var predicted= 18.3 %

x0= 8.06, x trend= 0

var(y)= 756.3994 var(yp)= 155.6292 var(yres)= 600.7702

percent var predicted= 20.6 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	9.764	8.356	0.045	6.11	114.90	35.88	56.71	49.04	1.4
MSF	0.00282	7.704	8.873	4.001	5.34	90.69	71.81	44.85	94.67	0.75
ALP1	0.03440	2.321	1.931	-0.440	1.68	100.52	38.96	332.36	44.25	1.4
2Q1	0.03571	1.688	1.676	-0.743	1.94	3.84	78.40	265.63	71.10	1
Q1	0.03722	1.372	1.903	0.290	1.72	112.47	68.09	126.82	74.84	0.52
O1	0.03873	3.601	1.862	-0.096	1.76	123.66	24.41	155.61	25.82	3.7
NO1	0.04027	2.232	1.915	0.200	1.70	72.09	46.92	92.01	52.73	1.4
K1	0.04178	4.156	1.939	0.381	1.67	91.32	21.51	83.29	24.84	4.6
J1	0.04329	1.744	1.926	-0.379	1.69	76.84	53.93	265.55	60.76	0.82
OO1	0.04483	0.327	1.687	-0.016	1.93	167.83	230.87	137.80	202.17	0.037
UPS1	0.04634	1.747	1.928	0.348	1.69	102.07	38.82	162.26	43.92	0.82
EPS2	0.07618	2.278	2.280	0.657	3.01	23.52	92.51	120.26	73.29	1
MU2	0.07769	1.990	2.073	0.020	3.15	179.83	94.84	75.50	62.33	0.92
N2	0.07900	5.599	2.956	0.697	2.35	117.60	25.41	336.27	31.76	3.6
M2	0.08051	11.532	2.508	-0.982	2.82	143.59	14.57	335.87	12.97	21
L2	0.08202	2.126	3.088	-0.610	2.17	74.31	55.86	215.92	75.07	0.47
S2	0.08333	2.159	2.105	0.255	3.13	171.18	84.48	302.34	57.44	1.1
ETA2	0.08507	2.318	2.341	-0.916	2.96	152.80	75.54	20.67	63.71	0.98
MO3	0.11924	1.696	1.109	0.174	0.95	120.48	29.18	175.72	34.04	2.3
M3	0.12077	1.362	1.172	-0.735	0.87	77.47	66.39	66.23	78.02	1.3
MK3	0.12229	2.244	1.173	0.121	0.87	102.15	21.04	208.11	28.41	3.7
SK3	0.12511	1.057	1.162	0.192	0.88	73.45	46.63	272.81	60.35	0.83
MN4	0.15951	2.450	1.829	0.148	1.98	140.58	49.19	320.67	45.52	1.8
M4	0.16102	7.908	1.960	-0.354	1.85	130.87	14.22	350.86	15.06	16
SN4	0.16233	0.853	2.001	-0.366	1.80	52.41	168.93	57.40	181.41	0.18
MS4	0.16384	2.269	1.924	0.247	1.89	133.64	49.83	31.00	50.78	1.4
S4	0.16667	1.722	2.092	0.222	1.70	119.70	58.00	105.39	70.95	0.68
2MK5	0.20280	0.381	0.649	0.042	0.78	17.99	116.58	63.92	96.95	0.34
2SK5	0.20845	0.486	0.717	0.087	0.72	136.02	81.83	89.78	81.20	0.46
2MN6	0.24002	1.042	0.654	-0.146	0.73	122.53	44.61	200.76	40.40	2.5
M6	0.24153	2.241	0.764	0.163	0.61	168.28	17.08	170.49	21.39	8.6
2MS6	0.24436	1.164	0.722	-0.063	0.66	146.46	34.32	208.16	37.72	2.6
2SM6	0.24718	0.675	0.758	-0.244	0.62	163.74	67.47	306.94	79.13	0.79
3MK7	0.28331	0.508	0.674	-0.488	0.74	154.64	1466.14	242.32	1460.77	0.57
M8	0.32205	0.586	0.531	0.210	0.49	24.29	66.04	147.39	70.11	1.2

total var= 1278.7099 pred var= 251.3139

percent total var predicted= 19.7 %