

file name: E:\CSULLIVAN\SOUTH_CAROLINA\PLOTS\TTIDE\ttide_curr_752_surface.txt

date: 31-Jan-2005

nobs = 8151, ngood = 8147, record length (days) = 84.91

start time: 29-Jan-2004 16:30:00

rayleigh criterion = 1.0

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

x0= 1.19, x trend= 0

var(x)= 339.8133 var(xp)= 54.347 var(xres)= 285.4664

percent var predicted= 16.0 %

x0= -1.15, x trend= 0

var(y)= 298.6683 var(yp)= 40.4153 var(yres)= 258.253

percent var predicted= 13.5 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	3.735	3.679	0.604	5.79	179.86	91.69	122.99	59.80	1
MSF	0.00282	8.834	4.424	1.583	5.24	33.34	35.53	349.80	30.31	4
ALP1	0.03440	1.142	1.420	-0.157	1.44	120.64	65.47	329.59	64.74	0.65
2Q1	0.03571	1.609	1.440	-0.354	1.42	24.32	48.79	229.20	49.50	1.2
Q1	0.03722	0.947	1.440	0.306	1.42	23.96	89.09	359.22	90.26	0.43
O1	0.03873	1.856	1.415	0.048	1.44	108.92	38.80	114.51	38.07	1.7
NO1	0.04027	2.182	1.427	-0.415	1.43	47.77	42.02	73.36	41.93	2.3
K1	0.04178	4.888	1.411	-1.461	1.45	90.54	17.81	57.15	17.45	12
J1	0.04329	0.684	1.412	0.154	1.44	97.90	117.37	279.46	114.94	0.23
OO1	0.04483	1.069	1.443	-0.315	1.41	165.19	58.94	189.34	59.98	0.55
UPS1	0.04634	0.769	1.423	-0.076	1.43	126.55	71.22	139.44	70.74	0.29
EPS2	0.07618	0.930	1.245	-0.433	1.33	146.27	125.40	1.05	119.93	0.56
MU2	0.07769	1.680	1.238	-0.397	1.34	31.90	51.77	180.95	48.19	1.8
N2	0.07900	1.343	1.220	-0.585	1.36	26.80	78.94	167.48	73.36	1.2
M2	0.08051	4.308	1.191	0.279	1.38	162.76	19.04	321.27	16.40	13
L2	0.08202	0.682	1.403	0.605	1.17	88.20	546.33	340.54	558.21	0.24
S2	0.08333	2.807	1.391	1.124	1.18	76.67	31.72	210.00	35.67	4.1
ETA2	0.08507	1.224	1.193	-0.094	1.38	161.85	54.22	330.49	46.90	1.1
MO3	0.11924	0.565	0.589	0.481	0.50	104.54	232.35	109.61	238.77	0.92
M3	0.12077	0.535	0.527	-0.186	0.56	35.37	74.94	110.73	71.25	1
MK3	0.12229	1.057	0.592	0.356	0.49	79.72	30.69	263.05	35.53	3.2
SK3	0.12511	0.654	0.585	-0.169	0.50	71.08	45.12	226.02	51.65	1.2
MN4	0.15951	0.763	0.665	-0.361	0.68	29.03	76.71	151.28	75.65	1.3
M4	0.16102	1.747	0.660	-0.122	0.68	13.68	23.93	188.73	23.07	7
SN4	0.16233	0.821	0.659	-0.414	0.69	171.96	73.25	38.34	71.53	1.6
MS4	0.16384	1.541	0.660	-0.309	0.69	11.25	27.77	131.13	26.81	5.5
S4	0.16667	0.488	0.678	-0.283	0.67	55.59	136.74	179.18	137.76	0.52
2MK5	0.20280	0.642	0.418	0.025	0.39	95.94	33.64	169.69	36.30	2.4
2SK5	0.20845	0.244	0.410	-0.129	0.39	59.74	134.26	262.32	137.20	0.35
2MN6	0.24002	0.904	0.452	0.267	0.47	142.04	36.82	197.63	35.70	4
M6	0.24153	1.614	0.462	0.237	0.46	133.99	18.32	181.03	18.42	12
2MS6	0.24436	0.528	0.437	-0.118	0.48	24.39	59.43	335.71	54.33	1.5
2SM6	0.24718	0.132	0.489	0.024	0.43	75.07	201.78	44.65	227.98	0.073
3MK7	0.28331	0.160	0.271	0.063	0.28	24.71	128.56	34.88	124.31	0.35
M8	0.32205	0.283	0.176	0.097	0.17	52.25	46.90	49.27	47.67	2.6

total var= 638.4817 pred var= 94.7623

percent total var predicted= 14.8 %