

file name: E:\CSULLIVAN\SOUTH\_CAROLINA\PLOTS\TTIDE\ttide\_curr\_742\_surface.txt

date: 31-Jan-2005

nobs = 7941, ngood = 7939, record length (days) = 82.72

start time: 29-Jan-2004 14:45:00

rayleigh criterion = 1.0

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

x0= 1.64, x trend= 0

var(x)= 408.2095 var(xp)= 78.9793 var(xres)= 329.2303

percent var predicted= 19.3 %

x0= -0.757, x trend= 0

var(y)= 393.7018 var(yp)= 54.0611 var(yres)= 339.6407

percent var predicted= 13.7 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	4.961	3.510	1.281	6.17	11.69	77.11	316.37	47.69	2
MSF	0.00282	9.457	4.445	0.862	5.53	33.65	33.87	334.68	27.33	4.5
ALP1	0.03440	1.082	1.866	0.136	1.64	102.35	78.52	355.47	89.23	0.34
2Q1	0.03571	2.179	1.669	-0.248	1.84	24.35	44.16	245.81	40.23	1.7
Q1	0.03722	0.796	1.627	0.507	1.87	7.04	229.17	324.11	215.97	0.24
O1	0.03873	2.395	1.845	0.821	1.66	111.53	41.92	124.69	45.57	1.7
NO1	0.04027	2.750	1.846	-0.761	1.66	68.93	41.44	61.45	45.44	2.2
K1	0.04178	5.215	1.873	-2.368	1.63	97.39	23.35	53.45	25.61	7.8
J1	0.04329	1.181	1.855	-0.025	1.65	72.30	71.96	275.06	80.99	0.41
OO1	0.04483	0.954	1.647	-0.281	1.86	162.62	85.85	209.54	77.68	0.34
UPS1	0.04634	0.951	1.742	-0.403	1.77	137.90	92.38	129.16	91.44	0.3
EPS2	0.07618	1.760	1.784	-0.667	2.25	21.54	97.54	126.06	82.19	0.97
MU2	0.07769	2.527	1.850	-0.031	2.19	28.56	51.91	222.01	43.81	1.9
N2	0.07900	1.863	1.763	-1.000	2.26	19.01	108.98	190.06	95.14	1.1
M2	0.08051	5.452	1.718	2.585	2.30	167.83	33.99	325.32	28.37	10
L2	0.08202	1.346	1.699	0.317	2.31	172.24	85.84	81.25	65.27	0.63
S2	0.08333	2.965	1.954	2.211	2.10	38.27	111.09	161.77	108.82	2.3
ETA2	0.08507	1.691	1.920	0.286	2.13	144.78	62.50	328.24	56.65	0.78
MO3	0.11924	0.375	1.143	0.153	0.59	96.45	123.61	294.64	191.75	0.11
M3	0.12077	0.989	1.146	-0.642	0.59	85.34	98.61	58.86	125.72	0.75
MK3	0.12229	1.831	1.146	-0.148	0.59	85.28	17.69	243.25	34.13	2.6
SK3	0.12511	0.959	1.149	-0.166	0.58	90.55	34.72	260.15	65.14	0.7
MN4	0.15951	0.789	0.674	0.534	0.65	54.38	112.79	169.74	114.14	1.4
M4	0.16102	1.279	0.675	0.218	0.65	55.80	32.26	183.35	33.40	3.6
SN4	0.16233	0.578	0.678	0.217	0.65	121.86	82.54	115.54	85.34	0.73
MS4	0.16384	0.933	0.667	-0.411	0.66	131.76	56.45	7.81	56.88	2
S4	0.16667	0.774	0.631	0.020	0.69	9.81	51.25	300.80	46.63	1.5
2MK5	0.20280	0.846	0.581	0.098	0.45	79.91	30.42	97.17	38.89	2.1
2SK5	0.20845	0.428	0.493	-0.262	0.55	33.55	122.50	288.54	116.92	0.75
2MN6	0.24002	1.369	0.434	-0.375	0.49	3.76	24.90	7.40	22.35	10
M6	0.24153	2.309	0.437	0.160	0.49	165.27	13.27	180.80	11.90	28
2MS6	0.24436	1.285	0.441	-0.172	0.48	21.31	23.41	353.46	21.40	8.5
2SM6	0.24718	0.452	0.492	-0.394	0.43	86.73	333.47	354.56	339.16	0.84
3MK7	0.28331	0.352	0.389	-0.093	0.34	68.54	62.11	337.14	69.91	0.82
M8	0.32205	0.690	0.225	-0.128	0.27	7.47	25.89	156.74	22.14	9.4

total var= 801.9114 pred var= 133.0404

percent total var predicted= 16.6 %