

file name: E:\CSULLIVAN\SOUTH\_CAROLINA\PLOTS\TTIDE\ttide\_curr\_732\_surface.txt

date: 31-Jan-2005

nobs = 8187, ngood = 8186, record length (days) = 85.28

start time: 28-Oct-2003 15:00:00

rayleigh criterion = 1.0

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

x0= 3.87, x trend= 0

var(x)= 310.0139 var(xp)= 41.2093 var(xres)= 268.8046

percent var predicted= 13.3 %

x0= -3.48, x trend= 0

var(y)= 304.2116 var(yp)= 32.1766 var(yres)= 272.0351

percent var predicted= 10.6 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	4.418	3.848	0.913	4.13	32.12	56.97	270.27	53.40	1.3
MSF	0.00282	2.969	4.113	1.266	3.87	56.28	100.12	245.97	104.52	0.52
ALP1	0.03440	1.408	1.290	-0.829	1.10	86.67	74.16	49.99	80.04	1.2
2Q1	0.03571	0.824	1.290	-0.672	1.10	89.15	287.35	27.95	296.58	0.41
Q1	0.03722	0.928	1.247	0.289	1.15	119.56	74.09	270.39	79.21	0.55
O1	0.03873	2.070	1.243	-0.296	1.15	120.89	29.01	224.43	31.17	2.8
NO1	0.04027	0.883	1.102	-0.499	1.29	5.33	126.62	177.75	116.88	0.64
K1	0.04178	4.203	1.282	-2.809	1.11	102.45	31.90	308.67	33.70	11
J1	0.04329	0.944	1.270	-0.048	1.12	70.21	62.32	299.41	70.38	0.55
OO1	0.04483	0.637	1.137	-0.258	1.26	154.84	97.31	68.08	90.50	0.31
UPS1	0.04634	0.340	1.211	0.039	1.19	131.25	135.68	331.21	138.42	0.079
EPS2	0.07618	1.298	1.593	0.219	1.58	43.88	78.80	183.20	79.53	0.66
MU2	0.07769	1.240	1.408	-0.302	1.74	73.87	90.82	295.76	75.14	0.77
N2	0.07900	1.262	1.407	0.368	1.75	105.79	91.53	258.73	76.36	0.8
M2	0.08051	6.406	1.733	0.440	1.42	160.54	13.17	329.58	16.00	14
L2	0.08202	1.689	1.409	1.272	1.74	106.20	140.52	335.34	132.57	1.4
S2	0.08333	1.649	1.570	-0.142	1.60	132.73	56.19	265.95	55.10	1.1
ETA2	0.08507	1.422	1.720	0.020	1.44	22.36	48.44	171.75	57.94	0.68
MO3	0.11924	0.908	0.674	-0.211	0.79	162.80	48.54	321.49	42.08	1.8
M3	0.12077	0.550	0.663	0.056	0.80	7.54	87.58	139.58	72.92	0.69
MK3	0.12229	1.547	0.775	-0.717	0.69	116.93	34.84	131.06	37.48	4
SK3	0.12511	1.126	0.802	-0.051	0.66	89.23	31.10	127.14	37.72	2
MN4	0.15951	0.708	0.675	0.520	0.69	136.92	157.57	349.86	156.83	1.1
M4	0.16102	1.950	0.656	-0.140	0.70	143.80	21.95	5.42	20.44	8.8
SN4	0.16233	0.534	0.700	0.030	0.66	51.83	73.21	17.98	77.43	0.58
MS4	0.16384	0.922	0.722	-0.370	0.64	60.99	53.00	115.57	58.08	1.6
S4	0.16667	0.725	0.751	-0.062	0.60	78.04	48.11	83.25	59.84	0.93
2MK5	0.20280	1.193	0.508	-0.236	0.52	139.88	25.58	59.90	25.19	5.5
2SK5	0.20845	0.445	0.532	-0.022	0.49	109.32	58.74	99.81	63.33	0.7
2MN6	0.24002	1.308	0.500	0.664	0.49	137.86	35.35	152.86	35.65	6.8
M6	0.24153	1.711	0.513	0.015	0.48	148.57	17.35	175.53	18.53	11
2MS6	0.24436	0.912	0.479	-0.142	0.51	120.40	35.13	162.07	32.85	3.6
2SM6	0.24718	0.520	0.461	0.254	0.53	81.89	85.43	279.94	78.47	1.3
3MK7	0.28331	0.628	0.341	-0.043	0.33	144.07	30.66	286.89	31.17	3.4
M8	0.32205	0.349	0.200	0.100	0.20	137.40	41.51	202.69	41.19	3

total var= 614.2256 pred var= 73.3859

percent total var predicted= 11.9 %