

file name: E:\CSULLIVAN\SOUTH\_CAROLINA\PLOTS\TTIDE\ttide\_curr\_731\_surface.txt

date: 31-Jan-2005

nobs = 8910, ngood = 2789, record length (days) = 92.81

start time: 29-Oct-2003 01:42:30

rayleigh criterion = 1.0

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

x0= -8.57, x trend= 0

var(x)= 460.5705 var(xp)= 166.2398 var(xres)= 294.3306

percent var predicted= 36.1 %

x0= -5.88, x trend= 0

var(y)= 582.8558 var(yp)= 207.5516 var(yres)= 375.3042

percent var predicted= 35.6 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	15.229	2.866	0.460	2.97	41.47	11.20	255.78	10.80	28
MSF	0.00282	6.874	3.277	3.032	2.51	75.41	29.99	214.74	35.79	4.4
ALP1	0.03440	3.302	3.265	-0.477	2.53	73.76	40.57	25.78	51.86	1
2Q1	0.03571	1.396	2.958	-0.858	2.88	132.45	203.25	19.96	205.69	0.22
Q1	0.03722	3.414	2.590	-0.740	3.22	157.89	51.28	280.10	42.13	1.7
O1	0.03873	1.876	2.867	-0.002	2.97	138.43	79.78	295.40	76.99	0.43
NO1	0.04027	1.816	3.195	-0.829	2.62	114.24	111.30	277.73	126.74	0.32
K1	0.04178	7.454	3.325	-5.082	2.45	91.54	44.24	302.23	49.34	5
J1	0.04329	3.982	3.325	-1.408	2.45	88.69	40.61	295.20	51.39	1.4
OO1	0.04483	0.847	2.632	-0.508	3.18	25.49	253.46	358.12	232.01	0.1
UPS1	0.04634	1.478	2.685	-0.519	3.14	29.38	96.39	133.35	85.41	0.3
EPS2	0.07618	8.441	3.228	1.241	3.04	47.19	23.12	188.32	24.51	6.8
MU2	0.07769	4.738	3.571	1.500	2.63	56.03	39.95	182.81	51.25	1.8
N2	0.07900	6.121	3.477	-0.768	2.75	53.43	27.21	212.99	34.15	3.1
M2	0.08051	6.302	1.456	1.780	4.19	175.34	42.64	313.62	19.01	19
L2	0.08202	5.715	3.247	-0.051	3.02	47.64	26.43	309.97	28.44	3.1
S2	0.08333	3.211	3.577	-0.141	2.62	56.19	46.81	188.29	63.90	0.81
ETA2	0.08507	3.564	3.736	0.655	2.39	60.98	34.51	276.00	52.30	0.91
MO3	0.11924	1.135	1.271	0.102	1.22	111.92	56.14	67.11	58.58	0.8
M3	0.12077	1.895	1.233	-0.496	1.26	143.63	43.66	248.77	42.99	2.4
MK3	0.12229	2.796	1.259	-1.029	1.23	123.40	29.51	66.12	30.05	4.9
SK3	0.12511	1.855	1.281	-1.036	1.21	85.10	58.09	53.44	59.92	2.1
MN4	0.15951	2.865	1.475	-1.311	1.08	102.27	33.90	168.89	41.49	3.8
M4	0.16102	3.914	1.462	0.444	1.09	106.43	17.27	162.74	22.90	7.2
SN4	0.16233	2.685	1.416	0.187	1.15	63.64	25.46	160.44	31.23	3.6
MS4	0.16384	1.856	1.461	-0.006	1.10	73.23	34.66	146.86	46.19	1.6
S4	0.16667	1.196	1.065	0.585	1.48	8.87	98.67	51.59	80.87	1.3
2MK5	0.20280	0.776	0.716	-0.175	0.77	104.66	59.67	125.52	55.69	1.2
2SK5	0.20845	0.930	0.716	-0.158	0.77	76.11	45.74	180.08	42.51	1.7
2MN6	0.24002	0.721	0.712	0.393	0.65	142.41	92.32	346.34	97.09	1
M6	0.24153	1.075	0.746	0.255	0.61	28.25	38.71	260.60	46.36	2.1
2MS6	0.24436	0.520	0.770	0.321	0.58	160.10	140.10	239.07	158.82	0.46
2SM6	0.24718	1.109	0.777	0.253	0.57	162.93	33.28	357.13	43.91	2
3MK7	0.28331	0.804	0.474	0.280	0.44	55.52	38.18	147.24	40.33	2.9
M8	0.32205	0.770	0.375	0.127	0.39	176.38	33.26	152.66	32.22	4.2

total var= 1043.4262 pred var= 373.7914

percent total var predicted= 35.8 %