

file name: E:\CSULLIVAN\SOUTH\_CAROLINA\PLOTS\TTIDE\ttide\_curr\_733\_surface.txt  
 date: 31-Jan-2005  
 nobs = 2934, ngood = 2931, record length (days) = 30.56  
 start time: 29-Oct-2003 20:00:00  
 rayleigh criterion = 1.0  
 Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= -1.4, x trend= 0

var(x)= 212.9402 var(xp)= 33.6767 var(xres)= 179.2634  
 percent var predicted= 15.8 %

x0= -2.49, x trend= 0

var(y)= 351.169 var(yp)= 44.1185 var(yres)= 307.0505  
 percent var predicted= 12.6 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MSF	0.00282	1.829	8.867	0.499	8.09	105.46	285.77	238.45	309.19	0.043
2Q1	0.03571	1.489	1.865	-0.924	2.91	167.37	177.81	354.31	147.47	0.64
Q1	0.03722	1.816	2.232	0.563	2.64	145.50	85.14	297.10	74.23	0.66
O1	0.03873	2.171	2.789	1.026	2.04	114.43	72.79	235.05	88.47	0.61
NO1	0.04027	1.062	2.673	0.103	2.19	57.67	107.29	52.63	130.54	0.16
K1	0.04178	5.022	2.920	-3.436	1.85	100.70	53.95	303.24	63.12	3
J1	0.04329	2.212	2.878	-1.099	1.91	106.29	74.92	264.57	95.17	0.59
OO1	0.04483	1.227	2.834	-0.487	1.97	110.65	84.76	237.48	109.70	0.19
UPS1	0.04634	1.386	2.590	0.022	2.29	52.81	63.18	188.40	71.57	0.29
N2	0.07900	3.428	3.386	-0.480	2.69	58.27	47.86	263.72	59.67	1
M2	0.08051	5.010	2.218	-1.184	3.71	169.90	46.55	301.51	29.61	5.1
S2	0.08333	2.070	3.551	0.606	2.47	113.20	81.03	269.97	109.60	0.34
ETA2	0.08507	2.220	3.546	1.817	2.48	113.51	249.78	321.73	267.39	0.39
MO3	0.11924	0.937	1.036	-0.020	1.02	124.10	56.66	41.46	57.32	0.82
M3	0.12077	1.204	1.015	-0.061	1.04	167.10	51.71	297.04	50.28	1.4
MK3	0.12229	3.016	1.031	-1.068	1.03	132.18	22.48	74.17	22.53	8.5
SK3	0.12511	0.396	1.034	0.024	1.03	51.81	137.96	359.70	138.97	0.15
MN4	0.15951	1.223	0.988	0.413	1.16	2.21	67.08	74.15	59.17	1.5
M4	0.16102	1.567	1.153	-0.536	0.99	100.19	46.53	213.54	52.32	1.8
MS4	0.16384	1.395	1.136	-0.307	1.01	67.98	46.11	91.58	51.12	1.5
S4	0.16667	0.687	1.150	0.529	1.00	76.81	271.99	265.02	282.00	0.36
2MK5	0.20280	0.524	0.566	-0.117	0.47	150.48	54.64	230.29	64.28	0.86
2SK5	0.20845	1.193	0.434	-0.075	0.60	103.97	26.53	192.16	19.40	7.5
2MN6	0.24002	0.645	0.615	0.227	0.51	86.86	60.20	100.22	70.11	1.1
M6	0.24153	0.864	0.508	-0.419	0.61	171.27	61.69	219.76	54.94	2.9
2MS6	0.24436	1.188	0.505	-0.445	0.62	3.05	37.86	329.83	32.67	5.5
2SM6	0.24718	0.641	0.586	-0.175	0.54	57.47	55.56	304.03	59.65	1.2
3MK7	0.28331	0.786	0.390	-0.058	0.30	112.89	22.36	232.75	28.49	4.1
M8	0.32205	0.726	0.279	-0.102	0.29	38.52	26.20	113.13	25.08	6.8

total var= 564.1092 pred var= 77.7952  
 percent total var predicted= 13.8 %