

file name: E:\CSULLIVAN\SOUTH_CAROLINA\PLOTS\TTIDE\ttide_curr_722_surface.txt

date: 31-Jan-2005

nobs = 8162, ngood = 8151, record length (days) = 85.02

start time: 28-Oct-2003 18:15:00

rayleigh criterion = 1.0

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

x0= 4.41, x trend= 0

var(x)= 362.3409 var(xp)= 59.213 var(xres)= 303.1279

percent var predicted= 16.3 %

x0= -3.32, x trend= 0

var(y)= 388.6741 var(yp)= 46.356 var(yres)= 342.3181

percent var predicted= 11.9 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	4.680	3.962	0.669	4.03	42.09	50.87	257.07	50.04	1.4
MSF	0.00282	4.197	4.053	1.136	3.94	49.87	60.22	249.15	61.73	1.1
ALP1	0.03440	1.552	1.268	-1.326	1.02	85.52	181.23	51.94	187.34	1.5
2Q1	0.03571	1.124	1.262	-0.454	1.03	100.09	63.33	18.99	73.29	0.79
Q1	0.03722	1.194	1.266	0.543	1.02	96.27	63.40	268.55	72.84	0.89
O1	0.03873	2.256	1.193	0.400	1.11	125.01	26.02	232.13	27.88	3.6
NO1	0.04027	0.950	1.058	-0.356	1.24	158.08	84.47	28.20	75.11	0.81
K1	0.04178	4.032	1.210	-2.707	1.09	120.44	32.49	294.67	33.80	11
J1	0.04329	1.016	1.264	-0.470	1.03	81.57	77.04	266.83	88.09	0.65
OO1	0.04483	0.379	1.024	0.171	1.27	6.61	172.87	189.78	150.39	0.14
UPS1	0.04634	0.617	1.217	0.079	1.08	118.55	68.70	333.74	76.95	0.26
EPS2	0.07618	1.607	1.878	-0.562	2.24	80.93	102.97	115.27	89.62	0.73
MU2	0.07769	2.298	1.942	-1.388	2.19	65.00	101.33	289.90	95.85	1.4
N2	0.07900	2.421	1.868	0.392	2.25	90.92	56.81	285.53	47.55	1.7
M2	0.08051	8.566	2.171	0.708	1.96	151.34	13.62	330.81	15.04	16
L2	0.08202	2.152	2.198	1.848	1.93	23.29	239.81	231.82	244.50	0.96
S2	0.08333	1.785	2.223	-0.143	1.90	162.89	61.70	246.85	71.88	0.64
ETA2	0.08507	1.737	2.240	-0.675	1.88	11.29	67.43	173.71	76.56	0.6
MO3	0.11924	1.296	0.860	-0.320	0.76	117.17	33.48	0.03	37.37	2.3
M3	0.12077	0.833	0.755	0.022	0.86	154.24	61.60	348.41	53.95	1.2
MK3	0.12229	2.144	0.827	-1.105	0.79	129.68	31.08	93.27	31.80	6.7
SK3	0.12511	0.848	0.876	-0.076	0.74	109.05	46.74	132.57	55.16	0.94
MN4	0.15951	0.636	0.892	-0.012	0.84	63.57	80.17	172.00	84.73	0.51
M4	0.16102	0.782	0.906	0.024	0.83	96.09	63.93	191.30	69.94	0.75
SN4	0.16233	1.210	0.896	-0.384	0.84	111.51	47.82	0.98	50.52	1.8
MS4	0.16384	0.735	0.894	-0.508	0.84	114.17	159.31	100.80	162.78	0.68
S4	0.16667	0.575	0.828	0.205	0.91	174.78	108.50	45.91	101.16	0.48
2MK5	0.20280	0.649	0.500	0.218	0.47	118.99	48.58	12.06	50.76	1.7
2SK5	0.20845	0.372	0.469	-0.014	0.50	156.63	71.71	137.67	66.80	0.63
2MN6	0.24002	1.845	0.487	0.458	0.52	149.39	19.21	168.17	18.02	14
M6	0.24153	2.427	0.476	-0.369	0.53	159.06	14.02	185.34	12.60	26
2MS6	0.24436	0.977	0.482	-0.207	0.53	153.75	34.66	184.53	31.89	4.1
2SM6	0.24718	0.700	0.535	-0.105	0.47	108.04	41.15	260.19	46.20	1.7
3MK7	0.28331	0.959	0.358	-0.107	0.37	141.66	22.54	224.93	21.72	7.2
M8	0.32205	0.847	0.229	-0.318	0.25	173.79	23.35	341.63	21.60	14

total var= 751.015 pred var= 105.569

percent total var predicted= 14.1 %