

file name: E:\CSULLIVAN\SOUTH_CAROLINA\PLOTS\TTIDE\ttide_curr_site7_surface.txt

date: 10-Feb-2005

nobs = 17085, ngood = 16338, record length (days) = 177.97

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= 2.02, x trend= 0

var(x)= 174.0001 var(xp)= 19.5297 var(xres)= 154.4705

percent var predicted= 11.2 %

x0= -1.6, x trend= 0

var(y)= 168.8519 var(yp)= 10.0764 var(yres)= 158.7755

percent var predicted= 6.0 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	2.956	2.501	0.243	2.68	37.37	52.43	278.39	48.98	1.4
MSF	0.00282	1.613	2.859	0.543	2.29	72.98	99.57	293.31	118.55	0.32
ALP1	0.03440	0.668	0.656	-0.402	0.52	94.62	77.35	47.49	86.43	1
2Q1	0.03571	0.448	0.651	-0.196	0.52	102.69	84.99	346.81	98.48	0.47
Q1	0.03722	0.467	0.648	0.173	0.53	105.27	73.12	269.68	85.57	0.52
O1	0.03873	1.111	0.637	-0.601	0.54	113.27	40.84	227.73	44.69	3
NO1	0.04027	0.620	0.567	-0.283	0.61	35.67	76.96	134.32	73.20	1.2
K1	0.04178	2.058	0.645	-1.681	0.53	107.60	57.50	299.65	59.79	10
J1	0.04329	0.369	0.657	0.020	0.52	85.91	72.96	304.26	92.69	0.32
OO1	0.04483	0.426	0.574	-0.144	0.61	141.67	65.58	62.73	62.77	0.55
UPS1	0.04634	0.179	0.631	-0.070	0.55	116.79	149.52	325.08	166.07	0.08
EPS2	0.07618	0.828	0.783	0.011	0.77	48.11	58.30	197.75	59.05	1.1
MU2	0.07769	0.649	0.820	-0.120	0.73	81.10	71.27	278.09	79.20	0.63
N2	0.07900	0.892	0.808	0.462	0.75	114.18	77.34	255.68	80.93	1.2
M2	0.08051	5.069	0.732	1.239	0.82	172.79	10.38	316.76	9.37	48
L2	0.08202	0.728	0.822	0.606	0.73	95.78	214.78	323.45	219.36	0.79
S2	0.08333	1.028	0.783	0.372	0.77	131.83	52.75	269.43	53.28	1.7
ETA2	0.08507	0.639	0.751	0.048	0.80	27.44	60.55	171.14	56.61	0.73
MO3	0.11924	0.432	0.291	-0.131	0.31	175.20	42.37	313.56	40.04	2.2
M3	0.12077	0.339	0.291	0.055	0.31	174.97	56.87	329.89	53.32	1.4
MK3	0.12229	0.731	0.308	-0.402	0.29	113.32	36.05	136.55	36.97	5.6
SK3	0.12511	0.569	0.310	-0.129	0.29	77.44	29.29	136.10	30.98	3.4
MN4	0.15951	0.339	0.317	0.211	0.33	151.81	112.73	3.47	110.65	1.1
M4	0.16102	1.010	0.321	-0.102	0.33	141.72	19.84	8.35	19.50	9.9
SN4	0.16233	0.221	0.327	-0.021	0.32	52.82	86.39	25.95	88.16	0.46
MS4	0.16384	0.593	0.333	-0.042	0.31	70.13	31.38	103.81	33.26	3.2
S4	0.16667	0.251	0.334	-0.037	0.31	73.64	73.80	87.06	78.50	0.56
2MK5	0.20280	0.618	0.230	-0.127	0.24	139.82	22.77	60.35	22.15	7.2
2SK5	0.20845	0.234	0.252	0.020	0.21	102.53	48.59	84.52	57.21	0.86
2MN6	0.24002	0.689	0.257	0.367	0.25	144.28	36.09	158.85	36.54	7.2
M6	0.24153	0.862	0.259	0.043	0.25	152.45	18.02	178.67	18.74	11
2MS6	0.24436	0.415	0.249	-0.004	0.26	116.94	37.75	157.66	36.24	2.8
2SM6	0.24718	0.254	0.247	0.149	0.26	74.97	105.59	272.77	102.55	1.1
3MK7	0.28331	0.319	0.153	-0.049	0.17	149.20	31.72	284.89	28.53	4.3
M8	0.32205	0.187	0.098	0.063	0.10	135.97	40.26	209.73	40.11	3.6

total var= 342.852 pred var= 29.606

percent total var predicted= 8.6 %