

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

date: 15-May-2006

nobs = 17053, ngood = 16269, record length (days) = 177.64

start time: 28-Oct-2003 18:45:00

rayleigh criterion = 1.0

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

x0= 1.19, x trend= 0

var(x)= 75.4225 var(xp)= 19.7819 var(xres)= 55.6406

percent var predicted= 26.2 %

x0= -0.988, x trend= 0

var(y)= 49.3141 var(yp)= 18.3187 var(yres)= 30.9954

percent var predicted= 37.1 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.671	1.795	0.232	1.62	37.23	57.14	295.37	63.25	0.87
MSF	0.00282	2.117	1.930	-0.282	1.45	22.56	40.62	326.18	53.44	1.2
ALP1	0.03440	0.357	0.430	-0.011	0.30	177.76	43.12	311.68	61.24	0.69
2Q1	0.03571	0.297	0.430	0.030	0.30	2.25	53.60	253.05	75.62	0.48
Q1	0.03722	0.302	0.394	-0.198	0.35	34.18	127.48	299.09	134.02	0.59
O1	0.03873	0.410	0.304	0.127	0.43	96.28	59.26	73.34	44.77	1.8
NO1	0.04027	0.376	0.322	-0.110	0.41	68.52	70.10	132.46	56.69	1.4
K1	0.04178	1.238	0.327	-0.208	0.41	66.00	18.20	70.88	14.64	14
J1	0.04329	0.447	0.358	-0.258	0.38	128.77	75.77	197.96	73.04	1.6
OO1	0.04483	0.301	0.303	-0.165	0.43	84.71	84.52	223.14	70.46	0.99
UPS1	0.04634	0.253	0.302	-0.086	0.43	93.01	74.71	116.22	56.78	0.7
EPS2	0.07618	0.205	0.165	0.024	0.15	62.31	46.61	196.35	51.15	1.5
MU2	0.07769	0.344	0.158	0.171	0.16	135.20	40.71	286.63	40.68	4.8
N2	0.07900	1.837	0.159	0.266	0.16	131.15	5.16	255.70	5.27	1.3e+002
M2	0.08051	7.787	0.157	1.216	0.16	135.83	1.24	274.34	1.23	2.5e+003
L2	0.08202	0.254	0.170	0.120	0.14	94.43	40.21	245.96	44.69	2.2
S2	0.08333	1.795	0.159	0.030	0.16	130.90	4.97	295.74	5.09	1.3e+002
ETA2	0.08507	0.083	0.170	-0.065	0.14	86.36	298.94	42.54	310.86	0.24
MO3	0.11924	0.116	0.087	-0.003	0.08	127.07	37.21	278.65	38.78	1.8
M3	0.12077	0.297	0.082	0.076	0.09	148.53	19.42	330.42	18.28	13
MK3	0.12229	0.055	0.091	0.018	0.08	101.20	94.25	229.82	105.47	0.36
SK3	0.12511	0.354	0.085	0.031	0.08	134.36	12.80	253.31	12.84	17
MN4	0.15951	0.146	0.080	0.091	0.07	106.66	60.81	149.38	62.58	3.3
M4	0.16102	0.282	0.079	0.009	0.08	121.85	16.39	106.80	16.96	13
SN4	0.16233	0.113	0.078	-0.042	0.08	46.29	50.08	159.45	50.21	2.1
MS4	0.16384	0.316	0.080	0.210	0.07	104.67	30.43	114.46	31.24	16
S4	0.16667	0.234	0.080	0.113	0.07	100.16	26.84	281.90	28.08	8.5
2MK5	0.20280	0.029	0.063	0.013	0.05	94.81	145.68	1.00	161.04	0.21
2SK5	0.20845	0.044	0.058	0.021	0.06	40.71	101.09	317.76	99.65	0.57
2MN6	0.24002	0.194	0.072	-0.002	0.06	26.83	20.45	15.90	23.12	7.2
M6	0.24153	0.209	0.072	-0.058	0.06	27.94	21.67	30.67	23.94	8.4
2MS6	0.24436	0.108	0.072	-0.020	0.06	29.11	38.06	69.60	42.13	2.3
2SM6	0.24718	0.072	0.066	0.027	0.07	55.93	72.22	199.82	68.20	1.2
3MK7	0.28331	0.049	0.053	0.030	0.05	26.19	103.72	13.15	109.44	0.88
M8	0.32205	0.025	0.036	0.011	0.04	17.62	129.47	123.12	124.01	0.48

total var= 124.7366 pred var= 38.1006

percent total var predicted= 30.5 %