

file name: E:\CSULLIVAN\SOUTH_CAROLINA\PLOTS\TTIDE\ttide_curr_site7_6mbs.txt

date: 15-May-2006

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= 0.642, x trend= 0

var(x)= 32.3344 var(xp)= 10.737 var(xres)= 21.5974

percent var predicted= 33.2 %

x0= 0.233, x trend= 0

var(y)= 21.6321 var(yp)= 4.4363 var(yres)= 17.1958

percent var predicted= 20.5 %

ellipse parameters with 95% CI estimates

| tide | freq | major | emaj | minor | emin | inc | einc | pha | epha | snr |
|------|---------|-------|-------|--------|------|--------|--------|--------|--------|----------|
| MM | 0.00151 | 1.076 | 1.163 | -0.040 | 1.17 | 46.03 | 62.59 | 306.14 | 62.05 | 0.86 |
| MSF | 0.00282 | 0.779 | 1.172 | 0.138 | 1.17 | 44.36 | 89.82 | 321.30 | 90.27 | 0.44 |
| ALP1 | 0.03440 | 0.317 | 0.244 | -0.055 | 0.24 | 49.68 | 40.67 | 179.00 | 40.95 | 1.7 |
| 2Q1 | 0.03571 | 0.229 | 0.245 | 0.019 | 0.24 | 57.44 | 54.82 | 295.32 | 55.83 | 0.87 |
| Q1 | 0.03722 | 0.170 | 0.238 | -0.068 | 0.25 | 167.53 | 94.61 | 68.16 | 91.90 | 0.51 |
| O1 | 0.03873 | 0.605 | 0.239 | 0.058 | 0.25 | 19.39 | 20.74 | 309.16 | 20.06 | 6.4 |
| NO1 | 0.04027 | 0.212 | 0.238 | -0.010 | 0.25 | 16.12 | 66.49 | 84.08 | 64.07 | 0.79 |
| K1 | 0.04178 | 0.501 | 0.238 | 0.208 | 0.25 | 169.21 | 33.96 | 163.23 | 32.99 | 4.4 |
| J1 | 0.04329 | 0.201 | 0.245 | 0.002 | 0.24 | 55.71 | 62.09 | 96.97 | 63.10 | 0.67 |
| OO1 | 0.04483 | 0.202 | 0.243 | -0.083 | 0.24 | 132.69 | 60.91 | 30.12 | 61.06 | 0.69 |
| UPS1 | 0.04634 | 0.181 | 0.238 | -0.015 | 0.25 | 169.70 | 52.40 | 234.11 | 50.32 | 0.58 |
| EPS2 | 0.07618 | 0.299 | 0.119 | -0.055 | 0.12 | 44.69 | 26.14 | 221.96 | 26.17 | 6.3 |
| MU2 | 0.07769 | 0.336 | 0.116 | 0.126 | 0.12 | 58.96 | 26.83 | 191.10 | 25.66 | 8.5 |
| N2 | 0.07900 | 0.931 | 0.126 | 0.730 | 0.11 | 10.04 | 24.53 | 126.59 | 25.23 | 55 |
| M2 | 0.08051 | 4.369 | 0.126 | 2.643 | 0.11 | 2.55 | 2.87 | 128.01 | 3.04 | 1.2e+003 |
| L2 | 0.08202 | 0.209 | 0.117 | 0.032 | 0.12 | 54.53 | 28.97 | 191.81 | 27.85 | 3.2 |
| S2 | 0.08333 | 0.730 | 0.125 | 0.417 | 0.11 | 19.45 | 15.59 | 163.94 | 16.39 | 34 |
| ETA2 | 0.08507 | 0.094 | 0.125 | -0.068 | 0.11 | 16.51 | 151.52 | 13.38 | 156.70 | 0.57 |
| MO3 | 0.11924 | 0.059 | 0.061 | 0.012 | 0.08 | 95.69 | 69.47 | 166.46 | 56.56 | 0.95 |
| M3 | 0.12077 | 0.196 | 0.073 | 0.046 | 0.06 | 27.78 | 21.52 | 200.24 | 24.09 | 7.2 |
| MK3 | 0.12229 | 0.102 | 0.075 | 0.017 | 0.06 | 159.98 | 35.11 | 297.95 | 41.34 | 1.8 |
| SK3 | 0.12511 | 0.266 | 0.072 | 0.084 | 0.07 | 31.99 | 15.32 | 147.51 | 16.60 | 13 |
| MN4 | 0.15951 | 0.138 | 0.058 | 0.040 | 0.07 | 79.59 | 35.55 | 103.96 | 29.63 | 5.6 |
| M4 | 0.16102 | 0.137 | 0.059 | 0.038 | 0.07 | 103.38 | 35.24 | 82.85 | 29.52 | 5.4 |
| SN4 | 0.16233 | 0.041 | 0.068 | 0.007 | 0.06 | 37.55 | 96.04 | 128.65 | 101.54 | 0.36 |
| MS4 | 0.16384 | 0.260 | 0.069 | 0.148 | 0.06 | 32.18 | 24.56 | 49.89 | 25.84 | 14 |
| S4 | 0.16667 | 0.222 | 0.060 | 0.053 | 0.07 | 68.70 | 19.83 | 242.79 | 17.05 | 14 |
| 2MK5 | 0.20280 | 0.062 | 0.046 | -0.014 | 0.04 | 122.04 | 41.77 | 42.76 | 44.95 | 1.8 |
| 2SK5 | 0.20845 | 0.066 | 0.046 | 0.003 | 0.04 | 57.71 | 33.76 | 355.98 | 36.57 | 2.1 |
| 2MN6 | 0.24002 | 0.129 | 0.064 | -0.002 | 0.06 | 33.82 | 28.29 | 15.51 | 30.79 | 4.1 |
| M6 | 0.24153 | 0.194 | 0.062 | -0.054 | 0.06 | 41.40 | 21.76 | 17.94 | 22.28 | 9.8 |
| 2MS6 | 0.24436 | 0.161 | 0.061 | -0.044 | 0.06 | 47.44 | 25.93 | 71.08 | 25.51 | 7.1 |
| 2SM6 | 0.24718 | 0.034 | 0.067 | 0.007 | 0.05 | 12.49 | 102.32 | 122.36 | 123.15 | 0.26 |
| 3MK7 | 0.28331 | 0.047 | 0.039 | 0.008 | 0.05 | 85.29 | 56.73 | 94.14 | 49.26 | 1.5 |
| M8 | 0.32205 | 0.029 | 0.033 | 0.014 | 0.03 | 9.01 | 96.45 | 81.06 | 102.53 | 0.76 |

total var= 53.9665 pred var= 15.1733

percent total var predicted= 28.1 %