

file name: E:\CSULLIVAN\SOUTH_CAROLINA\PLOTS\TTIDE\ttide_curr_751_4mbs.txt

date: 31-Jan-2005

nobs = 8113, ngood = 8079, record length (days) = 84.51

start time: 30-Jan-2004 03:57:30

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)= 94.0029 var(xp)= 29.3342 var(xres)= 64.6687

percent var predicted= 31.2 %

x0= 3.02, x trend= 0

var(y)= 83.665 var(yp)= 7.0234 var(yres)= 76.6416

percent var predicted= 8.4 %

ellipse parameters with 95% CI estimates

| tide | freq | major | emaj | minor | emin | inc | einc | pha | epha | snr |
|------|---------|-------|-------|--------|------|--------|--------|--------|--------|----------|
| MM | 0.00151 | 2.697 | 2.653 | -0.433 | 4.53 | 159.07 | 99.19 | 103.87 | 59.99 | 1 |
| MSF | 0.00282 | 4.749 | 2.210 | 0.179 | 4.76 | 174.73 | 57.54 | 180.57 | 26.79 | 4.6 |
| ALP1 | 0.03440 | 0.217 | 0.459 | 0.122 | 0.69 | 90.28 | 252.08 | 305.38 | 204.91 | 0.22 |
| 2Q1 | 0.03571 | 0.927 | 0.593 | -0.049 | 0.59 | 44.08 | 32.60 | 277.50 | 33.02 | 2.4 |
| Q1 | 0.03722 | 0.130 | 0.676 | -0.042 | 0.49 | 162.04 | 230.60 | 36.58 | 300.30 | 0.037 |
| O1 | 0.03873 | 0.416 | 0.654 | 0.041 | 0.52 | 26.64 | 62.87 | 244.65 | 79.44 | 0.4 |
| NO1 | 0.04027 | 0.391 | 0.586 | -0.090 | 0.59 | 45.69 | 99.46 | 122.81 | 98.61 | 0.45 |
| K1 | 0.04178 | 0.833 | 0.590 | -0.203 | 0.59 | 44.79 | 40.63 | 83.76 | 40.73 | 2 |
| J1 | 0.04329 | 0.326 | 0.508 | 0.018 | 0.66 | 65.41 | 104.71 | 146.00 | 80.73 | 0.41 |
| OO1 | 0.04483 | 0.176 | 0.522 | -0.076 | 0.65 | 118.48 | 188.13 | 126.67 | 162.47 | 0.11 |
| UPS1 | 0.04634 | 0.355 | 0.598 | -0.136 | 0.58 | 137.33 | 77.44 | 246.59 | 79.29 | 0.35 |
| EPS2 | 0.07618 | 0.578 | 0.271 | -0.243 | 0.43 | 176.63 | 59.24 | 3.22 | 43.09 | 4.6 |
| MU2 | 0.07769 | 0.315 | 0.434 | 0.100 | 0.27 | 84.37 | 64.55 | 165.48 | 93.57 | 0.53 |
| N2 | 0.07900 | 1.286 | 0.308 | 0.626 | 0.41 | 154.42 | 26.20 | 279.02 | 22.03 | 17 |
| M2 | 0.08051 | 5.674 | 0.307 | 2.157 | 0.41 | 154.59 | 5.18 | 285.92 | 4.18 | 3.4e+002 |
| L2 | 0.08202 | 0.303 | 0.435 | 0.112 | 0.27 | 88.80 | 55.77 | 233.30 | 79.21 | 0.49 |
| S2 | 0.08333 | 1.199 | 0.362 | 0.484 | 0.36 | 135.29 | 22.32 | 302.98 | 22.25 | 11 |
| ETA2 | 0.08507 | 0.139 | 0.271 | 0.002 | 0.43 | 176.97 | 149.58 | 344.05 | 93.19 | 0.26 |
| MO3 | 0.11924 | 0.092 | 0.228 | -0.036 | 0.23 | 127.36 | 164.52 | 351.99 | 161.88 | 0.16 |
| M3 | 0.12077 | 0.292 | 0.233 | -0.006 | 0.23 | 143.34 | 46.49 | 2.44 | 47.63 | 1.6 |
| MK3 | 0.12229 | 0.227 | 0.230 | 0.080 | 0.23 | 46.36 | 66.53 | 237.15 | 66.33 | 0.98 |
| SK3 | 0.12511 | 0.301 | 0.240 | 0.017 | 0.22 | 5.43 | 38.79 | 196.30 | 42.12 | 1.6 |
| MN4 | 0.15951 | 0.132 | 0.228 | 0.018 | 0.19 | 58.65 | 90.17 | 88.09 | 107.45 | 0.34 |
| M4 | 0.16102 | 0.247 | 0.231 | 0.128 | 0.19 | 118.08 | 74.28 | 81.09 | 84.31 | 1.1 |
| SN4 | 0.16233 | 0.187 | 0.192 | 0.095 | 0.23 | 146.85 | 104.51 | 333.94 | 95.18 | 0.94 |
| MS4 | 0.16384 | 0.407 | 0.185 | 0.325 | 0.23 | 27.61 | 109.90 | 55.18 | 104.58 | 4.9 |
| S4 | 0.16667 | 0.254 | 0.240 | 0.174 | 0.17 | 109.37 | 100.98 | 306.91 | 112.94 | 1.1 |
| 2MK5 | 0.20280 | 0.176 | 0.216 | -0.033 | 0.16 | 85.79 | 53.67 | 341.10 | 71.75 | 0.66 |
| 2SK5 | 0.20845 | 0.107 | 0.209 | -0.012 | 0.17 | 67.84 | 83.83 | 348.58 | 104.16 | 0.26 |
| 2MN6 | 0.24002 | 0.245 | 0.180 | 0.104 | 0.19 | 12.04 | 64.35 | 5.78 | 61.19 | 1.9 |
| M6 | 0.24153 | 0.132 | 0.179 | -0.004 | 0.19 | 9.96 | 91.28 | 100.03 | 84.71 | 0.54 |
| 2MS6 | 0.24436 | 0.044 | 0.193 | -0.019 | 0.18 | 106.77 | 342.77 | 89.12 | 358.36 | 0.052 |
| 2SM6 | 0.24718 | 0.134 | 0.180 | 0.065 | 0.19 | 10.88 | 121.79 | 124.77 | 116.37 | 0.56 |
| 3MK7 | 0.28331 | 0.141 | 0.141 | 0.045 | 0.17 | 84.52 | 80.70 | 65.00 | 68.18 | 1 |
| M8 | 0.32205 | 0.149 | 0.136 | 0.048 | 0.14 | 103.90 | 70.69 | 161.90 | 68.66 | 1.2 |

total var= 177.6679 pred var= 36.3576

percent total var predicted= 20.5 %