

file name: E:\CSULLIVAN\SOUTH_CAROLINA\PLOTS\TTIDE\ttide_curr_724_4mbs.txt

date: 15-May-2006

nobs = 8245, ngood = 8242, record length (days) = 85.89

start time: 28-Oct-2003 20:00:00

rayleigh criterion = 1.0

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

x0= 1.24, x trend= 0

var(x)= 35.811 var(xp)= 13.6625 var(xres)= 22.1485

percent var predicted= 38.2 %

x0= 0.684, x trend= 0

var(y)= 12.8241 var(yp)= 2.7527 var(yres)= 10.0714

percent var predicted= 21.5 %

ellipse parameters with 95% CI estimates

| tide | freq | major | emaj | minor | emin | inc | einc | pha | epha | snr |
|------|---------|-------|-------|--------|------|--------|--------|--------|--------|----------|
| MM | 0.00151 | 0.184 | 0.847 | 0.029 | 1.13 | 69.60 | 365.10 | 194.57 | 276.86 | 0.047 |
| MSF | 0.00282 | 1.590 | 1.116 | 0.103 | 0.87 | 24.68 | 31.60 | 218.36 | 40.44 | 2 |
| ALP1 | 0.03440 | 0.320 | 0.291 | 0.114 | 0.29 | 45.34 | 56.52 | 135.24 | 56.34 | 1.2 |
| 2Q1 | 0.03571 | 0.207 | 0.262 | -0.074 | 0.32 | 61.56 | 95.21 | 211.93 | 82.25 | 0.62 |
| Q1 | 0.03722 | 0.114 | 0.319 | -0.015 | 0.26 | 27.06 | 119.95 | 305.83 | 146.08 | 0.13 |
| O1 | 0.03873 | 0.444 | 0.337 | 0.198 | 0.24 | 4.62 | 39.78 | 334.42 | 50.10 | 1.7 |
| NO1 | 0.04027 | 0.263 | 0.328 | -0.039 | 0.25 | 19.73 | 52.61 | 14.62 | 68.18 | 0.64 |
| K1 | 0.04178 | 0.656 | 0.317 | 0.251 | 0.26 | 151.13 | 27.39 | 123.23 | 31.42 | 4.3 |
| J1 | 0.04329 | 0.097 | 0.302 | 0.021 | 0.28 | 141.62 | 161.79 | 219.17 | 173.80 | 0.1 |
| OO1 | 0.04483 | 0.180 | 0.324 | -0.004 | 0.25 | 156.84 | 54.56 | 5.59 | 69.49 | 0.31 |
| UPS1 | 0.04634 | 0.202 | 0.324 | -0.046 | 0.25 | 23.17 | 52.87 | 63.26 | 65.67 | 0.39 |
| EPS2 | 0.07618 | 0.259 | 0.156 | -0.115 | 0.14 | 34.55 | 46.30 | 268.92 | 50.08 | 2.8 |
| MU2 | 0.07769 | 0.525 | 0.165 | 0.215 | 0.13 | 19.98 | 19.72 | 163.70 | 23.63 | 10 |
| N2 | 0.07900 | 1.296 | 0.162 | 0.319 | 0.13 | 154.64 | 6.66 | 268.82 | 8.02 | 64 |
| M2 | 0.08051 | 4.933 | 0.167 | 1.610 | 0.13 | 164.58 | 1.82 | 299.06 | 2.30 | 8.7e+002 |
| L2 | 0.08202 | 0.203 | 0.164 | 0.164 | 0.13 | 23.41 | 132.98 | 166.35 | 139.36 | 1.5 |
| S2 | 0.08333 | 0.760 | 0.168 | 0.247 | 0.12 | 167.85 | 11.40 | 303.97 | 14.58 | 20 |
| ETA2 | 0.08507 | 0.066 | 0.170 | -0.010 | 0.12 | 172.58 | 92.45 | 243.60 | 126.23 | 0.15 |
| MO3 | 0.11924 | 0.067 | 0.078 | 0.039 | 0.10 | 122.72 | 126.00 | 311.84 | 112.12 | 0.74 |
| M3 | 0.12077 | 0.214 | 0.109 | 0.100 | 0.06 | 11.67 | 28.71 | 177.16 | 40.38 | 3.8 |
| MK3 | 0.12229 | 0.066 | 0.089 | -0.047 | 0.09 | 135.70 | 188.46 | 4.77 | 189.27 | 0.54 |
| SK3 | 0.12511 | 0.339 | 0.111 | 0.188 | 0.06 | 4.49 | 19.22 | 96.77 | 26.00 | 9.4 |
| MN4 | 0.15951 | 0.120 | 0.083 | 0.034 | 0.07 | 92.19 | 42.76 | 95.89 | 46.88 | 2.1 |
| M4 | 0.16102 | 0.164 | 0.079 | 0.078 | 0.08 | 130.00 | 41.08 | 134.34 | 41.57 | 4.3 |
| SN4 | 0.16233 | 0.063 | 0.074 | 0.028 | 0.08 | 12.02 | 101.11 | 1.48 | 94.53 | 0.73 |
| MS4 | 0.16384 | 0.161 | 0.076 | 0.068 | 0.08 | 154.80 | 38.93 | 158.58 | 37.12 | 4.5 |
| S4 | 0.16667 | 0.153 | 0.078 | 0.132 | 0.08 | 45.38 | 148.89 | 219.53 | 148.93 | 3.8 |
| 2MK5 | 0.20280 | 0.038 | 0.072 | -0.034 | 0.07 | 165.09 | 818.20 | 4.31 | 821.22 | 0.28 |
| 2SK5 | 0.20845 | 0.071 | 0.071 | -0.026 | 0.07 | 27.61 | 63.28 | 306.46 | 64.54 | 1 |
| 2MN6 | 0.24002 | 0.195 | 0.097 | -0.022 | 0.09 | 37.24 | 28.95 | 8.19 | 31.29 | 4.1 |
| M6 | 0.24153 | 0.238 | 0.095 | 0.011 | 0.09 | 40.68 | 23.72 | 41.06 | 24.80 | 6.3 |
| 2MS6 | 0.24436 | 0.156 | 0.093 | 0.003 | 0.09 | 45.99 | 36.14 | 57.86 | 35.77 | 2.8 |
| 2SM6 | 0.24718 | 0.042 | 0.104 | 0.015 | 0.08 | 15.61 | 143.93 | 80.89 | 175.54 | 0.16 |
| 3MK7 | 0.28331 | 0.049 | 0.070 | 0.012 | 0.08 | 127.02 | 97.71 | 152.07 | 90.26 | 0.49 |
| M8 | 0.32205 | 0.052 | 0.046 | 0.010 | 0.05 | 66.83 | 64.16 | 54.98 | 58.57 | 1.3 |

total var= 48.6352 pred var= 16.4152

percent total var predicted= 33.8 %