

file name: E:\CSULLIVAN\SOUTH_CAROLINA\PLOTS\TTIDE\ttide_curr_740_surface.txt

date: 15-May-2006

nobs = 8139, ngood = 8137, record length (days) = 84.78

start time: 29-Jan-2004 15:30:00

rayleigh criterion = 1.0

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

x0= 1.04, x trend= 0

var(x)= 87.222 var(xp)= 27.3965 var(xres)= 59.8254

percent var predicted= 31.4 %

x0= -1.29, x trend= 0

var(y)= 54.7785 var(yp)= 22.9871 var(yres)= 31.7914

percent var predicted= 42.0 %

ellipse parameters with 95% CI estimates

| tide | freq | major | emaj | minor | emin | inc | einc | pha | epha | snr |
|------|---------|-------|-------|--------|------|--------|--------|--------|--------|--------|
| MM | 0.00151 | 2.259 | 2.101 | -0.126 | 2.04 | 33.96 | 51.93 | 302.83 | 53.53 | 1.2 |
| MSF | 0.00282 | 4.294 | 2.126 | 0.243 | 2.01 | 23.79 | 26.98 | 355.97 | 28.49 | 4.1 |
| ALP1 | 0.03440 | 0.429 | 0.964 | -0.039 | 0.67 | 2.73 | 80.25 | 152.09 | 114.84 | 0.2 |
| 2Q1 | 0.03571 | 0.704 | 0.958 | -0.143 | 0.68 | 9.06 | 53.70 | 244.43 | 73.79 | 0.54 |
| Q1 | 0.03722 | 0.298 | 0.913 | -0.123 | 0.74 | 26.44 | 169.66 | 296.07 | 197.40 | 0.11 |
| O1 | 0.03873 | 0.349 | 0.690 | 0.096 | 0.95 | 104.29 | 149.48 | 92.27 | 113.90 | 0.26 |
| NO1 | 0.04027 | 0.624 | 0.830 | 0.009 | 0.83 | 44.92 | 80.69 | 115.32 | 80.77 | 0.57 |
| K1 | 0.04178 | 1.756 | 0.740 | -0.943 | 0.91 | 62.89 | 41.88 | 95.98 | 37.37 | 5.6 |
| J1 | 0.04329 | 0.707 | 0.848 | -0.454 | 0.81 | 138.69 | 120.95 | 197.50 | 123.24 | 0.7 |
| OO1 | 0.04483 | 0.586 | 0.866 | -0.489 | 0.79 | 142.42 | 236.45 | 191.99 | 240.26 | 0.46 |
| UPS1 | 0.04634 | 0.433 | 0.686 | -0.205 | 0.95 | 102.87 | 112.72 | 136.68 | 92.01 | 0.4 |
| EPS2 | 0.07618 | 0.192 | 0.315 | -0.011 | 0.28 | 53.83 | 92.50 | 217.16 | 103.51 | 0.37 |
| MU2 | 0.07769 | 0.315 | 0.247 | -0.117 | 0.34 | 163.89 | 78.08 | 334.84 | 61.27 | 1.6 |
| N2 | 0.07900 | 1.503 | 0.307 | 0.401 | 0.29 | 130.57 | 12.70 | 258.13 | 13.34 | 24 |
| M2 | 0.08051 | 7.903 | 0.299 | 1.313 | 0.30 | 134.46 | 2.31 | 273.17 | 2.33 | 7e+002 |
| L2 | 0.08202 | 0.265 | 0.346 | -0.005 | 0.24 | 79.84 | 42.26 | 211.98 | 60.79 | 0.59 |
| S2 | 0.08333 | 2.192 | 0.321 | 0.195 | 0.27 | 122.24 | 7.23 | 297.42 | 8.48 | 47 |
| ETA2 | 0.08507 | 0.128 | 0.269 | -0.077 | 0.32 | 30.01 | 213.17 | 108.14 | 195.45 | 0.22 |
| MO3 | 0.11924 | 0.162 | 0.165 | 0.001 | 0.17 | 123.56 | 53.80 | 259.14 | 52.05 | 0.97 |
| M3 | 0.12077 | 0.291 | 0.171 | 0.072 | 0.16 | 149.66 | 37.03 | 332.21 | 38.42 | 2.9 |
| MK3 | 0.12229 | 0.118 | 0.160 | 0.035 | 0.17 | 87.11 | 90.64 | 195.85 | 84.42 | 0.55 |
| SK3 | 0.12511 | 0.395 | 0.160 | 0.053 | 0.17 | 96.63 | 23.77 | 299.90 | 21.94 | 6.1 |
| MN4 | 0.15951 | 0.153 | 0.131 | 0.089 | 0.13 | 33.72 | 91.36 | 91.46 | 90.28 | 1.4 |
| M4 | 0.16102 | 0.234 | 0.134 | 0.049 | 0.13 | 125.50 | 36.33 | 110.61 | 37.01 | 3.1 |
| SN4 | 0.16233 | 0.170 | 0.131 | 0.027 | 0.13 | 32.62 | 48.24 | 189.98 | 47.06 | 1.7 |
| MS4 | 0.16384 | 0.390 | 0.134 | 0.315 | 0.13 | 60.42 | 73.03 | 73.44 | 73.53 | 8.4 |
| S4 | 0.16667 | 0.197 | 0.136 | 0.085 | 0.13 | 77.92 | 50.38 | 281.43 | 52.37 | 2.1 |
| 2MK5 | 0.20280 | 0.035 | 0.102 | -0.019 | 0.10 | 52.27 | 270.79 | 48.69 | 269.64 | 0.12 |
| 2SK5 | 0.20845 | 0.080 | 0.101 | -0.050 | 0.10 | 89.19 | 132.01 | 55.44 | 130.18 | 0.63 |
| 2MN6 | 0.24002 | 0.161 | 0.102 | 0.060 | 0.08 | 16.17 | 39.83 | 36.52 | 47.96 | 2.5 |
| M6 | 0.24153 | 0.122 | 0.104 | -0.034 | 0.08 | 2.91 | 45.68 | 44.94 | 58.72 | 1.4 |
| 2MS6 | 0.24436 | 0.086 | 0.096 | -0.004 | 0.09 | 34.67 | 61.42 | 119.04 | 67.98 | 0.8 |
| 2SM6 | 0.24718 | 0.137 | 0.086 | 0.017 | 0.10 | 57.75 | 42.84 | 193.41 | 37.97 | 2.5 |
| 3MK7 | 0.28331 | 0.094 | 0.084 | 0.005 | 0.08 | 23.73 | 47.00 | 17.23 | 51.32 | 1.3 |
| M8 | 0.32205 | 0.070 | 0.060 | -0.018 | 0.06 | 165.02 | 64.88 | 29.86 | 61.16 | 1.4 |

total var= 142.0004 pred var= 50.3836

percent total var predicted= 35.5 %