

file name: E:\CSULLIVAN\SOUTH_CAROLINA\PLOTS\TTIDE\ttide_curr_731_surface.txt

date: 15-May-2006

nobs = 1640, ngood = 1634, record length (days) = 17.08

start time: 28-Oct-2003 15:57:30

rayleigh criterion = 1.0

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

x0= -4.07, x trend= 0

var(x)= 61.5647 var(xp)= 21.1696 var(xres)= 40.3951

percent var predicted= 34.4 %

x0= -3.59, x trend= 0

var(y)= 36.7585 var(yp)= 6.9555 var(yres)= 29.803

percent var predicted= 18.9 %

ellipse parameters with 95% CI estimates

| tide | freq | major | emaj | minor | emin | inc | einc | pha | epha | snr |
|------|---------|-------|-------|--------|------|--------|--------|--------|--------|----------|
| MSF | 0.00282 | 4.188 | 1.215 | -0.197 | 1.06 | 29.22 | 14.54 | 172.04 | 16.67 | 12 |
| O1 | 0.03873 | 0.850 | 1.145 | -0.165 | 1.13 | 136.15 | 71.43 | 26.49 | 72.13 | 0.55 |
| K1 | 0.04178 | 1.826 | 1.236 | -0.617 | 1.03 | 23.73 | 36.53 | 347.83 | 42.08 | 2.2 |
| M2 | 0.08051 | 5.533 | 0.497 | 2.032 | 0.57 | 157.76 | 7.33 | 293.21 | 6.62 | 1.2e+002 |
| S2 | 0.08333 | 1.367 | 0.489 | 0.269 | 0.58 | 165.21 | 25.45 | 272.24 | 21.85 | 7.8 |
| M3 | 0.12077 | 0.645 | 0.280 | 0.050 | 0.24 | 73.73 | 22.55 | 237.79 | 25.97 | 5.3 |
| SK3 | 0.12511 | 0.614 | 0.272 | 0.095 | 0.25 | 58.29 | 22.59 | 75.17 | 24.27 | 5.1 |
| M4 | 0.16102 | 0.494 | 0.353 | 0.109 | 0.37 | 131.41 | 48.03 | 168.20 | 46.39 | 2 |
| MS4 | 0.16384 | 0.242 | 0.379 | 0.035 | 0.34 | 145.65 | 85.05 | 127.07 | 94.65 | 0.41 |
| S4 | 0.16667 | 0.243 | 0.359 | -0.097 | 0.36 | 45.63 | 108.36 | 33.30 | 107.84 | 0.46 |
| 2MK5 | 0.20280 | 0.246 | 0.206 | 0.043 | 0.21 | 20.91 | 48.73 | 229.33 | 48.78 | 1.4 |
| 2SK5 | 0.20845 | 0.234 | 0.205 | -0.200 | 0.21 | 58.13 | 225.42 | 234.76 | 225.40 | 1.3 |
| M6 | 0.24153 | 0.275 | 0.296 | 0.078 | 0.29 | 42.92 | 73.06 | 10.51 | 75.01 | 0.86 |
| 2MS6 | 0.24436 | 0.581 | 0.332 | -0.069 | 0.24 | 22.91 | 25.96 | 89.22 | 34.93 | 3.1 |
| 2SM6 | 0.24718 | 0.333 | 0.312 | -0.020 | 0.27 | 34.75 | 47.55 | 176.44 | 55.20 | 1.1 |
| 3MK7 | 0.28331 | 0.286 | 0.250 | 0.046 | 0.25 | 38.48 | 51.00 | 178.30 | 51.75 | 1.3 |
| M8 | 0.32205 | 0.124 | 0.196 | -0.056 | 0.21 | 91.93 | 145.51 | 258.81 | 139.41 | 0.4 |

total var= 98.3232 pred var= 28.1251

percent total var predicted= 28.6 %