

file name: E:\CSULLIVAN\SOUTH\_CAROLINA\PLOTS\TTIDE\ttide\_curr\_site2\_surface.txt

date: 15-May-2006

nobs = 16854, ngood = 16101, record length (days) = 175.56

start time: 28-Oct-2003 18:14:59

rayleigh criterion = 1.0

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

x0= 1.08, x trend= 0

var(x)= 60.0761 var(xp)= 13.3014 var(xres)= 46.7747

percent var predicted= 22.1 %

x0= -0.641, x trend= 0

var(y)= 43.1668 var(yp)= 12.7231 var(yres)= 30.4437

percent var predicted= 29.5 %

ellipse parameters with 95% CI estimates

| tide | freq    | major | emaj  | minor  | emin | inc    | einc   | pha    | epha   | snr      |
|------|---------|-------|-------|--------|------|--------|--------|--------|--------|----------|
| MM   | 0.00151 | 1.598 | 1.864 | 0.391  | 1.82 | 42.31  | 71.70  | 298.68 | 73.07  | 0.74     |
| MSF  | 0.00282 | 2.351 | 1.922 | 0.108  | 1.76 | 33.91  | 43.11  | 325.71 | 46.98  | 1.5      |
| ALP1 | 0.03440 | 0.374 | 0.360 | -0.039 | 0.29 | 25.12  | 39.51  | 128.41 | 49.67  | 1.1      |
| 2Q1  | 0.03571 | 0.433 | 0.355 | 0.026  | 0.29 | 28.78  | 35.01  | 292.78 | 42.49  | 1.5      |
| Q1   | 0.03722 | 0.181 | 0.358 | -0.081 | 0.29 | 26.79  | 116.05 | 278.75 | 133.90 | 0.26     |
| O1   | 0.03873 | 0.345 | 0.337 | 0.064  | 0.31 | 38.73  | 47.90  | 357.84 | 51.52  | 1        |
| NO1  | 0.04027 | 0.447 | 0.288 | -0.162 | 0.36 | 63.09  | 54.35  | 114.83 | 46.11  | 2.4      |
| K1   | 0.04178 | 1.170 | 0.289 | -0.088 | 0.36 | 62.93  | 16.25  | 58.91  | 13.16  | 16       |
| J1   | 0.04329 | 0.204 | 0.295 | -0.030 | 0.35 | 120.44 | 92.24  | 202.94 | 77.90  | 0.48     |
| OO1  | 0.04483 | 0.208 | 0.264 | -0.152 | 0.38 | 99.07  | 168.96 | 223.85 | 152.22 | 0.63     |
| UPS1 | 0.04634 | 0.174 | 0.274 | -0.051 | 0.37 | 71.44  | 90.18  | 127.67 | 70.51  | 0.4      |
| EPS2 | 0.07618 | 0.331 | 0.147 | 0.081  | 0.14 | 53.81  | 29.18  | 208.52 | 30.26  | 5.1      |
| MU2  | 0.07769 | 0.249 | 0.139 | 0.166  | 0.15 | 150.01 | 75.85  | 288.58 | 73.91  | 3.2      |
| N2   | 0.07900 | 1.160 | 0.146 | 0.813  | 0.14 | 128.49 | 17.41  | 253.66 | 17.59  | 63       |
| M2   | 0.08051 | 5.492 | 0.143 | 3.005  | 0.14 | 135.68 | 2.51   | 272.14 | 2.50   | 1.5e+003 |
| L2   | 0.08202 | 0.178 | 0.153 | 0.140  | 0.13 | 88.68  | 126.44 | 236.41 | 130.58 | 1.4      |
| S2   | 0.08333 | 1.313 | 0.147 | 0.363  | 0.14 | 123.96 | 6.88   | 285.74 | 7.18   | 79       |
| ETA2 | 0.08507 | 0.092 | 0.151 | -0.039 | 0.14 | 71.74  | 94.52  | 68.84  | 101.96 | 0.37     |
| MO3  | 0.11924 | 0.069 | 0.083 | 0.026  | 0.09 | 86.32  | 78.72  | 249.90 | 76.37  | 0.7      |
| M3   | 0.12077 | 0.232 | 0.086 | 0.081  | 0.08 | 176.40 | 25.63  | 0.29   | 26.44  | 7.3      |
| MK3  | 0.12229 | 0.108 | 0.083 | -0.025 | 0.09 | 60.04  | 46.56  | 211.35 | 45.73  | 1.7      |
| SK3  | 0.12511 | 0.260 | 0.084 | 0.095  | 0.08 | 130.20 | 21.06  | 248.30 | 20.95  | 9.6      |
| MN4  | 0.15951 | 0.125 | 0.085 | 0.056  | 0.09 | 48.11  | 56.40  | 82.28  | 56.42  | 2.2      |
| M4   | 0.16102 | 0.233 | 0.085 | -0.052 | 0.09 | 98.72  | 23.71  | 89.87  | 23.79  | 7.5      |
| SN4  | 0.16233 | 0.069 | 0.085 | -0.030 | 0.09 | 42.04  | 96.45  | 134.23 | 96.43  | 0.67     |
| MS4  | 0.16384 | 0.343 | 0.085 | 0.164  | 0.09 | 82.70  | 20.95  | 89.84  | 21.00  | 16       |
| S4   | 0.16667 | 0.232 | 0.085 | 0.085  | 0.09 | 70.59  | 25.76  | 260.57 | 25.82  | 7.4      |
| 2MK5 | 0.20280 | 0.050 | 0.062 | -0.025 | 0.06 | 57.44  | 95.69  | 1.29   | 99.11  | 0.66     |
| 2SK5 | 0.20845 | 0.056 | 0.061 | -0.020 | 0.06 | 49.88  | 68.55  | 23.60  | 69.78  | 0.85     |
| 2MN6 | 0.24002 | 0.225 | 0.076 | -0.003 | 0.07 | 37.34  | 20.43  | 23.63  | 21.12  | 8.7      |
| M6   | 0.24153 | 0.170 | 0.075 | 0.013  | 0.08 | 46.33  | 27.75  | 27.85  | 27.59  | 5.2      |
| 2MS6 | 0.24436 | 0.176 | 0.076 | -0.009 | 0.07 | 37.05  | 25.43  | 73.41  | 26.33  | 5.3      |
| 2SM6 | 0.24718 | 0.060 | 0.071 | -0.017 | 0.08 | 71.15  | 86.73  | 146.69 | 79.63  | 0.71     |
| 3MK7 | 0.28331 | 0.048 | 0.052 | 0.027  | 0.06 | 63.13  | 110.36 | 53.98  | 105.29 | 0.85     |
| M8   | 0.32205 | 0.047 | 0.042 | 0.005  | 0.04 | 139.41 | 58.94  | 331.82 | 58.56  | 1.2      |

total var= 103.2429 pred var= 26.0244

percent total var predicted= 25.2 %