

file name: E:\CSULLIVAN\SOUTH\_CAROLINA\PLOTS\TTIDE\ttide\_curr\_site7\_4mbs.txt

date: 15-May-2006

nobs = 17085, ngood = 16338, record length (days) = 177.97

start time: 28-Oct-2003 15:00:00

rayleigh criterion = 1.0

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

x0= 0.947, x trend= 0

var(x)= 42.6592 var(xp)= 11.072 var(xres)= 31.5872

percent var predicted= 26.0 %

x0= -0.275, x trend= 0

var(y)= 22.1696 var(yp)= 4.6504 var(yres)= 17.5193

percent var predicted= 21.0 %

ellipse parameters with 95% CI estimates

| tide | freq    | major | emaj  | minor  | emin | inc    | einc   | pha    | epha   | snr      |
|------|---------|-------|-------|--------|------|--------|--------|--------|--------|----------|
| MM   | 0.00151 | 1.080 | 1.470 | 0.093  | 1.36 | 38.78  | 73.17  | 295.95 | 78.81  | 0.54     |
| MSF  | 0.00282 | 1.279 | 1.540 | 0.003  | 1.28 | 29.46  | 57.51  | 347.02 | 68.99  | 0.69     |
| ALP1 | 0.03440 | 0.275 | 0.229 | 0.081  | 0.23 | 44.30  | 47.98  | 167.62 | 48.36  | 1.4      |
| 2Q1  | 0.03571 | 0.228 | 0.248 | -0.067 | 0.21 | 30.46  | 54.09  | 275.27 | 63.23  | 0.85     |
| Q1   | 0.03722 | 0.111 | 0.257 | -0.060 | 0.19 | 157.96 | 156.05 | 170.51 | 181.08 | 0.19     |
| O1   | 0.03873 | 0.350 | 0.255 | 0.066  | 0.20 | 23.55  | 30.00  | 303.26 | 38.32  | 1.9      |
| NO1  | 0.04027 | 0.130 | 0.204 | 0.041  | 0.25 | 61.03  | 125.31 | 107.29 | 106.14 | 0.4      |
| K1   | 0.04178 | 0.667 | 0.221 | 0.281  | 0.23 | 49.16  | 24.23  | 46.26  | 23.32  | 9.1      |
| J1   | 0.04329 | 0.151 | 0.264 | -0.005 | 0.18 | 168.10 | 63.16  | 250.34 | 90.55  | 0.33     |
| OO1  | 0.04483 | 0.021 | 0.187 | 0.000  | 0.26 | 105.51 | 489.48 | 316.14 | 349.72 | 0.012    |
| UPS1 | 0.04634 | 0.115 | 0.196 | 0.072  | 0.26 | 66.35  | 152.21 | 103.15 | 135.90 | 0.35     |
| EPS2 | 0.07618 | 0.251 | 0.126 | 0.035  | 0.12 | 37.39  | 31.08  | 204.61 | 32.11  | 4        |
| MU2  | 0.07769 | 0.283 | 0.125 | 0.140  | 0.12 | 40.45  | 38.46  | 167.09 | 38.94  | 5.1      |
| N2   | 0.07900 | 1.022 | 0.130 | 0.765  | 0.12 | 15.03  | 19.95  | 130.76 | 20.59  | 61       |
| M2   | 0.08051 | 4.362 | 0.131 | 2.711  | 0.12 | 179.88 | 3.11   | 308.92 | 3.29   | 1.1e+003 |
| L2   | 0.08202 | 0.191 | 0.120 | 0.152  | 0.13 | 120.11 | 109.35 | 259.69 | 107.78 | 2.6      |
| S2   | 0.08333 | 0.692 | 0.129 | 0.436  | 0.12 | 154.89 | 19.69  | 310.82 | 20.41  | 29       |
| ETA2 | 0.08507 | 0.065 | 0.116 | 0.016  | 0.13 | 76.14  | 104.07 | 31.68  | 94.00  | 0.32     |
| MO3  | 0.11924 | 0.022 | 0.075 | 0.008  | 0.07 | 80.23  | 208.16 | 134.06 | 217.13 | 0.085    |
| M3   | 0.12077 | 0.174 | 0.071 | 0.026  | 0.07 | 0.41   | 26.41  | 169.54 | 24.96  | 6.1      |
| MK3  | 0.12229 | 0.067 | 0.074 | 0.036  | 0.07 | 65.19  | 92.68  | 260.34 | 94.65  | 0.83     |
| SK3  | 0.12511 | 0.226 | 0.071 | 0.106  | 0.07 | 23.33  | 24.27  | 141.73 | 23.64  | 10       |
| MN4  | 0.15951 | 0.128 | 0.059 | 0.016  | 0.07 | 75.99  | 32.43  | 99.10  | 28.65  | 4.7      |
| M4   | 0.16102 | 0.140 | 0.060 | 0.088  | 0.07 | 113.67 | 53.69  | 112.98 | 51.42  | 5.4      |
| SN4  | 0.16233 | 0.059 | 0.059 | -0.009 | 0.07 | 78.05  | 68.88  | 177.94 | 60.66  | 1        |
| MS4  | 0.16384 | 0.240 | 0.063 | 0.168  | 0.06 | 44.40  | 36.99  | 66.07  | 37.03  | 14       |
| S4   | 0.16667 | 0.207 | 0.063 | 0.037  | 0.06 | 47.63  | 18.48  | 229.77 | 18.25  | 11       |
| 2MK5 | 0.20280 | 0.053 | 0.046 | -0.022 | 0.04 | 116.36 | 58.61  | 14.31  | 62.44  | 1.3      |
| 2SK5 | 0.20845 | 0.060 | 0.045 | 0.018  | 0.04 | 55.16  | 42.59  | 1.81   | 44.46  | 1.8      |
| 2MN6 | 0.24002 | 0.178 | 0.063 | -0.021 | 0.06 | 37.07  | 21.45  | 18.38  | 22.65  | 7.8      |
| M6   | 0.24153 | 0.166 | 0.064 | -0.014 | 0.06 | 34.52  | 22.52  | 33.33  | 24.20  | 6.7      |
| 2MS6 | 0.24436 | 0.121 | 0.061 | -0.013 | 0.06 | 48.94  | 31.85  | 69.21  | 31.00  | 3.9      |
| 2SM6 | 0.24718 | 0.059 | 0.068 | -0.030 | 0.06 | 6.67   | 87.90  | 155.35 | 98.83  | 0.75     |
| 3MK7 | 0.28331 | 0.054 | 0.039 | -0.004 | 0.05 | 89.88  | 50.86  | 113.98 | 41.87  | 1.9      |
| M8   | 0.32205 | 0.030 | 0.032 | 0.003  | 0.03 | 13.14  | 66.79  | 107.49 | 69.32  | 0.88     |

total var= 64.8288 pred var= 15.7224

percent total var predicted= 24.3 %