```
file name: E:\CSULLIVAN\SOUTH_CAROLINA\PLOTS\TTIDE\ttide_curr_site1_surface.txt
date: 10-Feb-2005
nobs = 17053,  ngood = 16299,  record length (days) = 177.64
start time: 28-Oct-2003 18:45:00
rayleigh criterion = 1.0
Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time


x0= 1.1, x trend= 0


var(x)= 128.4367    var(xp)= 16.3076    var(xres)= 112.1291
percent var predicted= 12.7 %


x0= -1.27, x trend= 0


var(y)= 173.9959    var(yp)= 17.7149   var(yres)= 156.281
percent var predicted= 10.2 %


ellipse parameters with 95%% CI estimates

 tide    freq      major  emaj    minor    emin     inc     einc      pha     epha      snr
 MM     0.00151   2.693   3.513   -0.121   3.43    54.40   73.14    280.43   74.97     0.59
 MSF    0.00282   2.015   3.553    0.809   3.38    64.59  124.49    280.63  128.93     0.32
 ALP1   0.03440   0.703   0.670   -0.300   0.48    87.07   49.24     58.10   61.96     1.1
 2Q1    0.03571   0.452   0.667    0.066   0.48    82.44   57.24      8.96   78.34     0.46
 Q1     0.03722   0.862   0.670    0.113   0.48    92.55   29.12    264.31   40.41     1.7
 O1     0.03873   0.802   0.644    0.106   0.51   112.95   32.95    209.21   41.24     1.5
 NO1    0.04027   0.400   0.479   -0.182   0.67   173.51  126.05     25.32  101.87     0.69
 K1     0.04178   1.550   0.629   -1.484   0.53    60.48  328.53    353.29  330.94     6.1
 J1     0.04329   0.652   0.666   -0.131   0.48    99.26   41.45    272.09   55.71     0.96
 OO1    0.04483   0.252   0.628   -0.050   0.53    60.37   87.53    158.82  102.36     0.16
 UPS1   0.04634   0.335   0.575   -0.068   0.59   136.92   70.86    319.24   69.44     0.34
 EPS2   0.07618   0.952   1.172   -0.297   0.77    76.67   61.72    125.66   86.89     0.66
 MU2    0.07769   0.978   1.171   -0.253   0.77   103.50   53.94    256.25   77.68     0.7
 N2     0.07900   1.773   1.141   -0.039   0.81   111.46   27.00    281.03   37.94     2.4
 M2     0.08051   5.943   0.925    0.734   1.05   143.26   10.64    294.97    9.39      41
 L2     0.08202   0.794   1.105    0.417   0.86    61.58   86.75    257.90   99.81     0.52
 S2     0.08333   1.214   0.923    0.284   1.05   143.50   53.61    274.78   47.65     1.7
 ETA2   0.08507   0.520   0.749   -0.274   1.18   171.43  158.84    356.62  124.12     0.48
 MO3    0.11924   0.550   0.396    0.068   0.31   116.27   29.90     22.28   37.81     1.9
 M3     0.12077   0.628   0.370    0.094   0.34   128.90   33.47    337.37   36.23     2.9
 MK3    0.12229   1.074   0.386   -0.504   0.32   121.77   23.97    100.39   26.80     7.8
 SK3    0.12511   0.441   0.416   -0.116   0.28    99.58   38.98    192.85   54.36     1.1
 MN4    0.15951   0.769   0.446    0.158   0.34   108.42   29.07    171.17   37.12      3
 M4     0.16102   1.166   0.425    0.144   0.37   121.99   19.56    190.96   22.49     7.5
 SN4    0.16233   0.682   0.422   -0.066   0.37   123.24   32.49    357.32   36.94     2.6
 MS4    0.16384   0.425   0.436    0.096   0.35   115.72   53.66     95.40   64.58     0.95
 S4     0.16667   0.379   0.457    0.132   0.33    92.42   62.28    307.66   80.80     0.69
 2MK5   0.20280   0.266   0.197   -0.171   0.16    60.43   72.47    318.23   79.22     1.8
 2SK5   0.20845   0.165   0.140   -0.082   0.21     9.91   93.49    353.83   73.33     1.4
 2MN6   0.24002   0.390   0.213    0.029   0.25   159.55   40.35    185.50   34.30     3.3
 M6     0.24153   0.526   0.219   -0.113   0.25   151.74   31.07    205.93   27.87     5.8
 2MS6   0.24436   0.317   0.228   -0.112   0.24   140.79   54.78    245.87   52.97     1.9
 2SM6   0.24718   0.324   0.257    0.025   0.21    91.64   37.84    254.96   46.97     1.6
 3MK7   0.28331   0.331   0.146    0.019   0.14   129.15   24.27    230.68   25.39     5.1
 M8     0.32205   0.411   0.089   -0.109   0.10   147.02   16.76     16.21   15.41      22


total var= 302.4327   pred var= 34.0225
percent total var predicted= 11.2 %
```