```
file name: C:\SCHTUFF\MASS_BAY\MBLT_REPORT\PLOTS\c6301_5.txt
date: 31-Oct-2003
nobs = 3362,  ngood = 3360,  record length (days) = 140.08
start time: 09-May-2000 18:39:25
rayleigh criterion = 1.0
Greenwich phase computed with nodal corrections applied to amplitude \n and phase relative to
center time

x0= 0.8, x trend= 0

var(x)= 75.1383   var(xp)= 51.6428   var(xres)= 23.5357
percent var predicted/var original= 68.7 %

y0= -3.38, x trend= 0

var(y)= 53.8514    var(yp)= 18.6792  var(yres)= 35.2267
percent var predicted/var original= 34.7 %

ellipse parameters with 95%% CI estimates
```

| tide | freq | major | emaj | minor | emin | inc | einc | pha | epha | snr |
|------|------|-------|------|-------|------|-----|------|-----|------|-----|
| MM | 0.0015122 | 0.894 | 1.272 | -0.378 | 1.23 | 84.94 | 117.66 | 358.17 | 116.07 | 0.49 |
| MSF | 0.0028219 | 0.641 | 1.234 | -0.402 | 1.12 | 55.60 | 129.09 | 13.47 | 137.28 | 0.27 |
| ALP1 | 0.0343966 | 0.335 | 0.341 | -0.020 | 0.36 | 166.66 | 107.39 | 237.95 | 95.13 | 0.97 |
| 2Q1 | 0.0357064 | 0.190 | 0.334 | 0.015 | 0.34 | 31.01 | 107.58 | 18.53 | 152.06 | 0.32 |
| Q1 | 0.0372185 | 0.158 | 0.382 | -0.041 | 0.35 | 170.99 | 144.81 | 290.76 | 159.59 | 0.17 |
| O1 | 0.0387307 | 0.538 | 0.398 | 0.082 | 0.45 | 12.08 | 65.50 | 273.37 | 55.41 | 1.8 |
| NO1 | 0.0402686 | 0.710 | 0.841 | -0.575 | 0.79 | 122.61 | 106.65 | 118.87 | 129.30 | 0.71 |
| *K1 | 0.0417807 | 0.723 | 0.470 | -0.074 | 0.40 | 84.56 | 33.28 | 228.71 | 51.00 | 2.4 |
| J1 | 0.0432929 | 0.276 | 0.375 | 0.060 | 0.40 | 172.38 | 126.78 | 154.60 | 99.41 | 0.54 |
| OO1 | 0.0448308 | 0.658 | 0.741 | -0.219 | 0.53 | 97.16 | 57.29 | 143.51 | 88.05 | 0.79 |
| UPS1 | 0.0463430 | 0.235 | 0.432 | -0.114 | 0.42 | 90.15 | 82.06 | 226.06 | 153.18 | 0.3 |
| EPS2 | 0.0761773 | 0.361 | 0.389 | 0.033 | 0.42 | 160.65 | 102.25 | 118.91 | 79.40 | 0.86 |
| MU2 | 0.0776895 | 0.519 | 0.421 | -0.248 | 0.45 | 137.03 | 70.30 | 30.77 | 75.65 | 1.5 |
| *N2 | 0.0789992 | 2.158 | 0.404 | -0.214 | 0.57 | 24.56 | 17.41 | 149.18 | 11.68 | 29 |
| *M2 | 0.0805114 | 11.133 | 0.467 | -0.867 | 0.54 | 30.44 | 2.83 | 143.70 | 2.43 | 5.7e+002 |
| L2 | 0.0820236 | 0.401 | 0.342 | -0.258 | 0.38 | 48.52 | 100.11 | 113.34 | 101.00 | 1.4 |
| *S2 | 0.0833333 | 1.733 | 0.463 | 0.018 | 0.60 | 29.04 | 20.06 | 6.23 | 15.08 | 14 |
| ETA2 | 0.0850736 | 0.327 | 0.393 | -0.121 | 0.45 | 20.91 | 117.46 | 155.78 | 112.06 | 0.69 |
| MO3 | 0.1192421 | 0.210 | 0.208 | -0.065 | 0.17 | 97.65 | 71.51 | 95.58 | 80.63 | 1 |
| M3 | 0.1207671 | 0.103 | 0.187 | 0.055 | 0.17 | 156.79 | 122.71 | 286.32 | 130.14 | 0.3 |
| MK3 | 0.1222921 | 0.222 | 0.199 | -0.089 | 0.20 | 165.80 | 80.13 | 51.94 | 79.34 | 1.2 |
| SK3 | 0.1251141 | 0.152 | 0.212 | 0.014 | 0.19 | 169.56 | 98.37 | 19.51 | 92.67 | 0.52 |
| *MN4 | 0.1595106 | 0.345 | 0.210 | -0.062 | 0.16 | 64.22 | 35.71 | 25.72 | 39.53 | 2.7 |
| *M4 | 0.1610228 | 0.687 | 0.205 | -0.167 | 0.17 | 72.14 | 18.27 | 23.57 | 19.84 | 11 |
| SN4 | 0.1623326 | 0.098 | 0.162 | 0.045 | 0.15 | 53.67 | 104.75 | 232.68 | 127.16 | 0.37 |
| *MS4 | 0.1638447 | 0.355 | 0.202 | -0.049 | 0.20 | 98.29 | 33.81 | 243.64 | 36.03 | 3.1 |
| S4 | 0.1666667 | 0.135 | 0.177 | -0.098 | 0.16 | 135.20 | 123.65 | 258.13 | 128.89 | 0.58 |
| 2MK5 | 0.2028035 | 0.070 | 0.118 | 0.007 | 0.11 | 77.32 | 75.46 | 307.04 | 134.54 | 0.35 |
| 2SK5 | 0.2084474 | 0.083 | 0.118 | -0.057 | 0.11 | 34.09 | 120.21 | 141.97 | 134.15 | 0.5 |
| *2MN6 | 0.2400221 | 0.303 | 0.187 | -0.065 | 0.14 | 65.65 | 33.91 | 199.70 | 39.78 | 2.6 |
| *M6 | 0.2415342 | 0.697 | 0.199 | 0.104 | 0.16 | 64.63 | 12.66 | 209.69 | 16.80 | 12 |
| *2MS6 | 0.2443561 | 0.343 | 0.195 | -0.001 | 0.16 | 60.68 | 30.40 | 66.32 | 33.54 | 3.1 |
| 2SM6 | 0.2471781 | 0.116 | 0.152 | 0.001 | 0.13 | 87.33 | 67.11 | 275.81 | 105.86 | 0.59 |
| 3MK7 | 0.2833149 | 0.073 | 0.109 | -0.005 | 0.10 | 106.43 | 82.70 | 182.11 | 130.37 | 0.45 |
| *M8 | 0.3220456 | 0.209 | 0.128 | -0.035 | 0.11 | 83.95 | 29.09 | 150.68 | 36.99 | 2.7 |

```
total var= 128.9897   pred var= 70.3221
percent total var predicted/var original= 54.5 %
```