file name: C:\SCHTUFF\MASS_BAY\MBLT_REPORT\PLOTS\c5012_1.txt
date: 31-Oct-2003
nobs = 2506,  ngood = 2505,  record length (days) = 104.42
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= -2.58, x trend= 0

var(x)= 88.4294   var(xp)= 31.7712   var(xres)= 56.7977
percent var predicted/var original= 35.9 %

y0= 1.72, x trend= 0

var(y)= 83.6103    var(yp)= 11.7534  var(yres)= 72.0187
percent var predicted/var original= 14.1 %

ellipse parameters with 95%% CI estimates

| tide | freq | major | emaj | minor | emin | inc | einc | pha | epha | snr |
|---|---|---|---|---|---|---|---|---|---|---|
| MM | 0.0015122 | 3.376 | 3.268 | 0.087 | 2.22 | 95.53 | 41.88 | 25.60 | 74.55 | 1.1 |
| MSF | 0.0028219 | 1.843 | 2.483 | -0.280 | 2.62 | 138.29 | 81.38 | 332.08 | 127.88 | 0.55 |
| ALP1 | 0.0343966 | 0.366 | 0.766 | -0.210 | 0.72 | 2.04 | 136.16 | 139.46 | 164.49 | 0.23 |
| 2Q1 | 0.0357064 | 0.476 | 0.738 | -0.309 | 0.74 | 7.29 | 111.53 | 38.90 | 134.44 | 0.42 |
| Q1 | 0.0372185 | 0.992 | 0.849 | -0.435 | 0.86 | 174.89 | 73.64 | 80.91 | 88.86 | 1.4 |
| O1 | 0.0387307 | 0.829 | 0.856 | -0.282 | 0.85 | 33.59 | 83.06 | 28.78 | 83.88 | 0.94 |
| NO1 | 0.0402686 | 0.942 | 1.722 | -0.301 | 1.59 | 176.33 | 133.83 | 147.32 | 214.95 | 0.3 |
| *K1 | 0.0417807 | 1.394 | 0.939 | -0.755 | 0.92 | 166.90 | 67.69 | 128.90 | 74.01 | 2.2 |
| J1 | 0.0432929 | 0.269 | 0.705 | -0.088 | 0.72 | 75.06 | 133.34 | 181.37 | 181.90 | 0.15 |
| OO1 | 0.0448308 | 0.513 | 1.117 | -0.076 | 1.06 | 21.99 | 119.22 | 137.53 | 160.70 | 0.21 |
| UPS1 | 0.0463430 | 0.244 | 0.932 | -0.153 | 0.83 | 134.41 | 131.49 | 178.95 | 197.33 | 0.068 |
| EPS2 | 0.0761773 | 0.811 | 1.096 | -0.381 | 1.04 | 68.63 | 110.45 | 204.15 | 107.91 | 0.55 |
| MU2 | 0.0776895 | 1.042 | 1.085 | -0.605 | 1.37 | 71.36 | 106.87 | 191.44 | 99.61 | 0.92 |
| *N2 | 0.0789992 | 2.744 | 1.574 | -0.185 | 1.49 | 23.59 | 33.67 | 48.32 | 30.56 | 3 |
| *M2 | 0.0805114 | 8.322 | 1.634 | 1.829 | 1.54 | 30.36 | 10.06 | 304.47 | 10.86 | 26 |
| L2 | 0.0820236 | 0.737 | 0.952 | -0.485 | 0.77 | 61.23 | 114.10 | 125.95 | 127.25 | 0.6 |
| S2 | 0.0833333 | 1.093 | 1.227 | 0.171 | 1.14 | 31.66 | 98.31 | 43.12 | 85.88 | 0.79 |
| ETA2 | 0.0850736 | 0.760 | 1.147 | -0.230 | 1.02 | 16.19 | 110.80 | 143.32 | 104.80 | 0.44 |
| MO3 | 0.1192421 | 0.156 | 0.358 | 0.007 | 0.31 | 61.20 | 130.13 | 224.96 | 150.96 | 0.19 |
| M3 | 0.1207671 | 0.111 | 0.343 | -0.023 | 0.28 | 107.92 | 150.07 | 182.54 | 179.12 | 0.11 |
| MK3 | 0.1222921 | 0.276 | 0.380 | -0.254 | 0.38 | 29.79 | 134.75 | 311.62 | 153.55 | 0.53 |
| SK3 | 0.1251141 | 0.180 | 0.312 | -0.073 | 0.35 | 133.97 | 137.81 | 357.69 | 161.56 | 0.33 |
| MN4 | 0.1595106 | 0.344 | 0.363 | 0.093 | 0.34 | 7.82 | 70.99 | 351.50 | 85.60 | 0.9 |
| *M4 | 0.1610228 | 0.781 | 0.383 | -0.130 | 0.37 | 22.99 | 30.05 | 299.65 | 36.27 | 4.2 |
| SN4 | 0.1623326 | 0.383 | 0.338 | -0.287 | 0.34 | 62.86 | 100.92 | 36.71 | 93.67 | 1.3 |
| MS4 | 0.1638447 | 0.434 | 0.360 | -0.075 | 0.38 | 39.95 | 57.69 | 49.93 | 64.64 | 1.4 |
| S4 | 0.1666667 | 0.143 | 0.326 | -0.063 | 0.27 | 66.70 | 117.60 | 328.85 | 147.23 | 0.19 |
| 2MK5 | 0.2028035 | 0.119 | 0.182 | 0.034 | 0.16 | 7.27 | 94.24 | 24.34 | 146.90 | 0.43 |
| 2SK5 | 0.2084474 | 0.103 | 0.177 | -0.020 | 0.17 | 35.85 | 91.83 | 280.05 | 146.05 | 0.34 |
| *2MN6 | 0.2400221 | 0.444 | 0.237 | -0.045 | 0.25 | 55.35 | 34.00 | 92.75 | 33.79 | 3.5 |
| *M6 | 0.2415342 | 0.974 | 0.254 | -0.140 | 0.26 | 61.03 | 16.16 | 350.08 | 14.45 | 15 |
| 2MS6 | 0.2443561 | 0.189 | 0.212 | -0.104 | 0.22 | 75.79 | 114.69 | 66.36 | 106.21 | 0.8 |
| 2SM6 | 0.2471781 | 0.200 | 0.199 | -0.068 | 0.20 | 90.36 | 93.57 | 47.55 | 93.03 | 1 |
| 3MK7 | 0.2833149 | 0.104 | 0.186 | 0.079 | 0.19 | 90.18 | 124.29 | 214.65 | 147.52 | 0.31 |
| M8 | 0.3220456 | 0.174 | 0.149 | -0.076 | 0.16 | 24.52 | 72.18 | 119.49 | 70.61 | 1.4 |

total var= 172.0397   pred var= 43.5246
percent total var predicted/var original= 25.3 %