file name: C:\SCHTUFF\MASS_BAY\MBLT_REPORT\PLOTS\c5012_15.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 | 3.713 | 0.087 | 2.35 | 95.53 | 36.07 | 25.60 | 67.44 | 0.83 |
| MSF | 0.0028219 | 1.843 | 2.691 | -0.280 | 2.39 | 138.29 | 70.30 | 332.08 | 122.07 | 0.47 |
| ALP1 | 0.0343966 | 0.366 | 0.700 | -0.210 | 0.74 | 2.04 | 121.33 | 139.46 | 173.24 | 0.27 |
| 2Q1 | 0.0357064 | 0.476 | 0.820 | -0.309 | 0.76 | 7.29 | 128.95 | 38.90 | 159.59 | 0.34 |
| Q1 | 0.0372185 | 0.992 | 0.989 | -0.435 | 0.74 | 174.89 | 81.17 | 80.91 | 86.16 | 1 |
| O1 | 0.0387307 | 0.829 | 0.821 | -0.282 | 0.81 | 33.59 | 90.27 | 28.78 | 93.88 | 1 |
| NO1 | 0.0402686 | 0.942 | 1.573 | -0.301 | 1.52 | 176.33 | 123.46 | 147.32 | 190.17 | 0.36 |
| *K1 | 0.0417807 | 1.394 | 0.941 | -0.755 | 0.90 | 166.90 | 60.75 | 128.90 | 62.52 | 2.2 |
| J1 | 0.0432929 | 0.269 | 0.676 | -0.088 | 0.68 | 75.06 | 133.18 | 181.37 | 153.93 | 0.16 |
| OO1 | 0.0448308 | 0.513 | 1.348 | -0.076 | 1.00 | 21.99 | 121.50 | 137.53 | 159.07 | 0.14 |
| UPS1 | 0.0463430 | 0.244 | 0.923 | -0.153 | 0.85 | 134.41 | 122.33 | 178.95 | 188.80 | 0.07 |
| EPS2 | 0.0761773 | 0.811 | 1.121 | -0.381 | 1.12 | 68.63 | 109.50 | 204.15 | 131.27 | 0.52 |
| MU2 | 0.0776895 | 1.042 | 1.207 | -0.605 | 1.20 | 71.36 | 106.71 | 191.44 | 117.18 | 0.75 |
| *N2 | 0.0789992 | 2.744 | 1.424 | -0.185 | 1.43 | 23.59 | 29.19 | 48.32 | 34.63 | 3.7 |
| *M2 | 0.0805114 | 8.322 | 1.575 | 1.829 | 1.57 | 30.36 | 10.01 | 304.47 | 10.71 | 28 |
| L2 | 0.0820236 | 0.737 | 1.007 | -0.485 | 1.06 | 61.23 | 123.96 | 125.95 | 137.24 | 0.54 |
| S2 | 0.0833333 | 1.093 | 1.296 | 0.171 | 1.34 | 31.66 | 81.94 | 43.12 | 92.51 | 0.71 |
| ETA2 | 0.0850736 | 0.760 | 1.124 | -0.230 | 1.03 | 16.19 | 121.77 | 143.32 | 130.50 | 0.46 |
| MO3 | 0.1192421 | 0.156 | 0.357 | 0.007 | 0.32 | 61.20 | 127.50 | 224.96 | 167.32 | 0.19 |
| M3 | 0.1207671 | 0.111 | 0.351 | -0.023 | 0.30 | 107.92 | 128.69 | 182.54 | 168.37 | 0.1 |
| MK3 | 0.1222921 | 0.276 | 0.367 | -0.254 | 0.41 | 29.79 | 119.49 | 311.62 | 134.25 | 0.56 |
| SK3 | 0.1251141 | 0.180 | 0.355 | -0.073 | 0.34 | 133.97 | 121.87 | 357.69 | 167.58 | 0.26 |
| MN4 | 0.1595106 | 0.344 | 0.349 | 0.093 | 0.34 | 7.82 | 74.14 | 351.50 | 80.47 | 0.97 |
| *M4 | 0.1610228 | 0.781 | 0.412 | -0.130 | 0.40 | 22.99 | 30.95 | 299.65 | 33.18 | 3.6 |
| SN4 | 0.1623326 | 0.383 | 0.311 | -0.287 | 0.34 | 62.86 | 108.38 | 36.71 | 111.12 | 1.5 |
| MS4 | 0.1638447 | 0.434 | 0.355 | -0.075 | 0.35 | 39.95 | 57.74 | 49.93 | 64.23 | 1.5 |
| S4 | 0.1666667 | 0.143 | 0.347 | -0.063 | 0.24 | 66.70 | 127.68 | 328.85 | 160.69 | 0.17 |
| 2MK5 | 0.2028035 | 0.119 | 0.193 | 0.034 | 0.14 | 7.27 | 85.83 | 24.34 | 118.78 | 0.38 |
| 2SK5 | 0.2084474 | 0.103 | 0.173 | -0.020 | 0.16 | 35.85 | 106.27 | 280.05 | 147.12 | 0.36 |
| *2MN6 | 0.2400221 | 0.444 | 0.232 | -0.045 | 0.24 | 55.35 | 36.90 | 92.75 | 36.10 | 3.7 |
| *M6 | 0.2415342 | 0.974 | 0.239 | -0.140 | 0.25 | 61.03 | 16.81 | 350.08 | 13.39 | 17 |
| 2MS6 | 0.2443561 | 0.189 | 0.222 | -0.104 | 0.22 | 75.79 | 97.93 | 66.36 | 107.40 | 0.73 |
| 2SM6 | 0.2471781 | 0.200 | 0.232 | -0.068 | 0.22 | 90.36 | 94.60 | 47.55 | 85.26 | 0.74 |
| 3MK7 | 0.2833149 | 0.104 | 0.178 | 0.079 | 0.19 | 90.18 | 132.06 | 214.65 | 140.44 | 0.34 |
| M8 | 0.3220456 | 0.174 | 0.140 | -0.076 | 0.14 | 24.52 | 75.10 | 119.49 | 74.65 | 1.6 |

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