

file name: C:\SCHTUUFF\MASS_BAY\MBLT_REPORT\PLOTS\c5162_15.txt

date: 31-Oct-2003

nobs = 3046, ngood = 3045, record length (days) = 126.92

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= 0.00357, x trend= 0

var(x)= 140.408 var(xp)= 64.1646 var(xres)= 75.5489

percent var predicted/var original= 45.7 %

y0= -2.17, x trend= 0

var(y)= 138.9175 var(yp)= 4.8323 var(yres)= 134.3348

percent var predicted/var original= 3.5 %

ellipse parameters with 95%% CI estimates

| tide | freq | major | emaj | minor | emin | inc | einc | pha | epha | snr |
|-------|-----------|--------|-------|--------|------|--------|--------|--------|--------|------|
| MM | 0.0015122 | 1.906 | 3.583 | -0.186 | 2.87 | 78.34 | 65.52 | 300.03 | 147.51 | 0.28 |
| MSF | 0.0028219 | 4.803 | 4.351 | 0.561 | 2.84 | 97.14 | 39.92 | 312.40 | 67.38 | 1.2 |
| ALP1 | 0.0343966 | 1.096 | 0.887 | -0.689 | 0.91 | 79.92 | 102.67 | 48.47 | 89.02 | 1.5 |
| 2Q1 | 0.0357064 | 0.414 | 0.736 | -0.315 | 0.76 | 94.58 | 141.81 | 97.42 | 143.22 | 0.32 |
| Q1 | 0.0372185 | 0.623 | 0.820 | -0.121 | 0.81 | 119.18 | 103.87 | 156.83 | 106.07 | 0.58 |
| O1 | 0.0387307 | 0.613 | 0.776 | -0.415 | 0.75 | 126.64 | 121.78 | 167.71 | 133.77 | 0.62 |
| NO1 | 0.0402686 | 0.909 | 1.837 | -0.077 | 1.36 | 170.29 | 91.55 | 352.86 | 138.16 | 0.24 |
| *K1 | 0.0417807 | 1.816 | 0.990 | -0.731 | 1.09 | 110.89 | 49.55 | 151.96 | 38.61 | 3.4 |
| *J1 | 0.0432929 | 1.732 | 0.932 | -0.949 | 0.96 | 102.73 | 52.92 | 85.22 | 49.23 | 3.5 |
| OO1 | 0.0448308 | 1.641 | 1.385 | -0.695 | 1.20 | 147.63 | 65.75 | 240.84 | 72.76 | 1.4 |
| UPS1 | 0.0463430 | 0.347 | 0.968 | -0.094 | 0.95 | 61.24 | 158.53 | 304.06 | 176.40 | 0.13 |
| EPS2 | 0.0761773 | 0.813 | 0.979 | -0.153 | 0.92 | 54.73 | 72.49 | 110.87 | 79.92 | 0.69 |
| MU2 | 0.0776895 | 0.966 | 1.030 | -0.435 | 0.76 | 115.74 | 73.36 | 175.73 | 100.88 | 0.88 |
| *N2 | 0.0789992 | 2.382 | 1.067 | -0.282 | 1.31 | 17.76 | 31.43 | 166.77 | 25.64 | 5 |
| *M2 | 0.0805114 | 10.810 | 1.097 | -0.887 | 1.22 | 8.05 | 6.95 | 102.57 | 5.95 | 97 |
| L2 | 0.0820236 | 1.223 | 0.872 | -0.492 | 1.02 | 150.91 | 63.07 | 227.59 | 61.10 | 2 |
| *S2 | 0.0833333 | 1.903 | 1.024 | -0.419 | 1.10 | 7.71 | 44.57 | 346.02 | 38.21 | 3.5 |
| ETA2 | 0.0850736 | 0.649 | 1.035 | -0.333 | 0.98 | 57.56 | 92.65 | 245.87 | 144.05 | 0.39 |
| MO3 | 0.1192421 | 0.317 | 0.337 | 0.148 | 0.35 | 33.63 | 102.44 | 40.58 | 92.52 | 0.88 |
| M3 | 0.1207671 | 0.194 | 0.349 | 0.077 | 0.30 | 121.30 | 104.38 | 40.75 | 146.90 | 0.31 |
| MK3 | 0.1222921 | 0.371 | 0.387 | -0.216 | 0.37 | 75.26 | 70.57 | 69.43 | 106.92 | 0.92 |
| SK3 | 0.1251141 | 0.325 | 0.340 | -0.029 | 0.38 | 163.53 | 98.03 | 198.93 | 81.32 | 0.91 |
| MN4 | 0.1595106 | 0.354 | 0.331 | -0.078 | 0.29 | 26.78 | 70.28 | 18.43 | 70.86 | 1.1 |
| *M4 | 0.1610228 | 0.740 | 0.381 | -0.192 | 0.35 | 20.45 | 30.46 | 269.78 | 32.70 | 3.8 |
| SN4 | 0.1623326 | 0.311 | 0.320 | -0.165 | 0.32 | 2.43 | 88.04 | 332.60 | 87.64 | 0.94 |
| MS4 | 0.1638447 | 0.094 | 0.249 | -0.007 | 0.22 | 8.53 | 138.41 | 175.03 | 187.50 | 0.14 |
| S4 | 0.1666667 | 0.230 | 0.266 | 0.009 | 0.32 | 33.18 | 100.17 | 148.99 | 95.32 | 0.74 |
| 2MK5 | 0.2028035 | 0.203 | 0.197 | -0.078 | 0.17 | 56.16 | 80.88 | 295.41 | 76.90 | 1.1 |
| 2SK5 | 0.2084474 | 0.199 | 0.201 | -0.039 | 0.16 | 15.99 | 61.93 | 91.43 | 87.73 | 0.98 |
| *2MN6 | 0.2400221 | 0.527 | 0.188 | -0.056 | 0.20 | 38.33 | 22.78 | 158.53 | 23.69 | 7.9 |
| *M6 | 0.2415342 | 0.661 | 0.218 | 0.068 | 0.19 | 37.29 | 14.78 | 84.03 | 16.66 | 9.2 |
| 2MS6 | 0.2443561 | 0.270 | 0.202 | 0.044 | 0.19 | 15.62 | 39.13 | 310.23 | 47.36 | 1.8 |
| 2SM6 | 0.2471781 | 0.129 | 0.159 | 0.013 | 0.14 | 32.63 | 95.36 | 230.11 | 103.80 | 0.66 |
| 3MK7 | 0.2833149 | 0.108 | 0.149 | 0.050 | 0.13 | 161.21 | 94.67 | 191.38 | 107.99 | 0.53 |
| M8 | 0.3220456 | 0.204 | 0.148 | 0.009 | 0.11 | 175.26 | 37.53 | 143.47 | 46.94 | 1.9 |

total var= 279.3255 pred var= 68.9969

percent total var predicted/var original= 24.7 %