

file name: C:\SCHTUUFF\MASS_BAY\MBLT_REPORT\PLOTS\c5691_1.txt

date: 31-Oct-2003

nobs = 3180, ngood = 3179, record length (days) = 132.50

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= -0.936, x trend= 0

var(x)= 98.3815 var(xp)= 38.1796 var(xres)= 60.2676

percent var predicted/var original= 38.8 %

y0= 1.6, x trend= 0

var(y)= 84.1253 var(yp)= 4.0388 var(yres)= 80.0337

percent var predicted/var original= 4.8 %

ellipse parameters with 95%% CI estimates

| tide | freq | major | emaj | minor | emin | inc | einc | pha | epha | snr |
|-------|-----------|-------|-------|--------|------|--------|--------|--------|--------|------|
| MM | 0.0015122 | 0.800 | 1.739 | 0.207 | 1.56 | 101.36 | 115.23 | 85.64 | 170.56 | 0.21 |
| MSF | 0.0028219 | 0.872 | 1.917 | 0.629 | 1.84 | 95.13 | 104.94 | 256.34 | 150.90 | 0.21 |
| ALP1 | 0.0343966 | 0.385 | 0.601 | 0.116 | 0.67 | 57.31 | 113.80 | 236.65 | 133.93 | 0.41 |
| 2Q1 | 0.0357064 | 0.628 | 0.729 | 0.023 | 0.65 | 14.46 | 93.65 | 98.93 | 77.61 | 0.74 |
| Q1 | 0.0372185 | 0.952 | 0.708 | -0.183 | 0.75 | 23.49 | 52.15 | 8.56 | 51.75 | 1.8 |
| O1 | 0.0387307 | 0.639 | 0.693 | 0.184 | 0.72 | 139.34 | 81.14 | 337.44 | 91.13 | 0.85 |
| NO1 | 0.0402686 | 1.607 | 1.488 | -0.626 | 1.46 | 74.43 | 76.80 | 87.81 | 78.86 | 1.2 |
| *K1 | 0.0417807 | 1.436 | 0.685 | -0.700 | 0.69 | 128.83 | 48.50 | 121.80 | 51.21 | 4.4 |
| J1 | 0.0432929 | 0.546 | 0.657 | -0.340 | 0.63 | 114.26 | 98.53 | 204.22 | 109.95 | 0.69 |
| OO1 | 0.0448308 | 0.842 | 0.964 | -0.502 | 0.98 | 90.83 | 96.41 | 36.89 | 119.39 | 0.76 |
| UPS1 | 0.0463430 | 0.296 | 0.745 | 0.180 | 0.69 | 46.16 | 120.25 | 267.73 | 156.42 | 0.16 |
| EPS2 | 0.0761773 | 0.398 | 0.815 | -0.246 | 0.88 | 83.71 | 142.89 | 228.82 | 149.90 | 0.24 |
| MU2 | 0.0776895 | 0.675 | 1.083 | -0.263 | 0.86 | 91.24 | 123.17 | 257.30 | 117.80 | 0.39 |
| *N2 | 0.0789992 | 2.010 | 1.208 | 0.050 | 1.20 | 19.70 | 37.81 | 290.39 | 42.56 | 2.8 |
| *M2 | 0.0805114 | 8.442 | 1.450 | 1.302 | 1.23 | 167.15 | 8.20 | 198.43 | 9.20 | 34 |
| L2 | 0.0820236 | 0.856 | 0.827 | -0.199 | 0.88 | 52.41 | 85.66 | 204.40 | 78.20 | 1.1 |
| S2 | 0.0833333 | 1.568 | 1.396 | 0.213 | 1.03 | 167.60 | 49.41 | 105.38 | 58.35 | 1.3 |
| ETA2 | 0.0850736 | 0.930 | 0.959 | -0.724 | 1.01 | 15.37 | 103.96 | 47.73 | 106.66 | 0.94 |
| MO3 | 0.1192421 | 0.440 | 0.538 | -0.152 | 0.54 | 106.66 | 81.91 | 61.83 | 81.25 | 0.67 |
| M3 | 0.1207671 | 0.374 | 0.422 | -0.246 | 0.45 | 89.41 | 109.55 | 197.57 | 118.96 | 0.79 |
| *MK3 | 0.1222921 | 0.811 | 0.510 | -0.526 | 0.44 | 65.38 | 77.86 | 308.08 | 78.49 | 2.5 |
| SK3 | 0.1251141 | 0.307 | 0.440 | -0.218 | 0.43 | 172.19 | 118.07 | 85.64 | 148.42 | 0.49 |
| MN4 | 0.1595106 | 0.521 | 0.376 | -0.147 | 0.38 | 177.83 | 61.36 | 218.65 | 70.72 | 1.9 |
| *M4 | 0.1610228 | 0.762 | 0.439 | -0.113 | 0.45 | 165.96 | 37.12 | 316.23 | 33.69 | 3 |
| SN4 | 0.1623326 | 0.211 | 0.324 | -0.014 | 0.30 | 117.31 | 112.99 | 298.66 | 133.02 | 0.42 |
| MS4 | 0.1638447 | 0.282 | 0.313 | 0.003 | 0.33 | 150.37 | 97.81 | 226.63 | 94.66 | 0.81 |
| S4 | 0.1666667 | 0.198 | 0.333 | -0.095 | 0.33 | 10.37 | 134.76 | 188.71 | 156.86 | 0.35 |
| 2MK5 | 0.2028035 | 0.153 | 0.171 | -0.073 | 0.17 | 109.16 | 81.88 | 66.94 | 85.63 | 0.8 |
| 2SK5 | 0.2084474 | 0.073 | 0.150 | 0.003 | 0.14 | 63.83 | 122.24 | 174.03 | 143.06 | 0.24 |
| *2MN6 | 0.2400221 | 0.449 | 0.190 | 0.024 | 0.18 | 34.21 | 21.84 | 120.47 | 25.45 | 5.6 |
| *M6 | 0.2415342 | 0.610 | 0.184 | -0.061 | 0.17 | 41.42 | 17.35 | 261.06 | 17.38 | 11 |
| 2MS6 | 0.2443561 | 0.156 | 0.165 | 0.054 | 0.16 | 9.44 | 86.01 | 212.01 | 91.34 | 0.9 |
| *2SM6 | 0.2471781 | 0.212 | 0.148 | -0.065 | 0.16 | 35.59 | 73.60 | 172.00 | 65.94 | 2.1 |
| 3MK7 | 0.2833149 | 0.140 | 0.118 | -0.019 | 0.11 | 177.72 | 49.61 | 220.23 | 61.61 | 1.4 |
| *M8 | 0.3220456 | 0.177 | 0.096 | -0.071 | 0.07 | 0.12 | 37.85 | 110.32 | 41.61 | 3.4 |

total var= 182.5067 pred var= 42.2184

percent total var predicted/var original= 23.1 %