

file name: C:\SCHTUUFF\MASS_BAY\MBLT_REPORT\PLOTS\c4451.txt

date: 31-Oct-2003

nobs = 3131, ngood = 3131, record length (days) = 130.46

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= -1.13, x trend= 0

var(x)= 24.9456 var(xp)= 13.0597 var(xres)= 11.8942

percent var predicted/var original= 52.4 %

y0= 0.368, x trend= 0

var(y)= 5.733 var(yp)= 0.61363 var(yres)= 5.1206

percent var predicted/var original= 10.7 %

ellipse parameters with 95%% CI estimates

| tide | freq | major | emaj | minor | emin | inc | einc | pha | epha | snr |
|-------|-----------|-------|-------|--------|------|--------|--------|--------|--------|-------|
| MM | 0.0015122 | 1.215 | 1.096 | 0.021 | 1.04 | 158.69 | 51.74 | 110.48 | 55.04 | 1.2 |
| MSF | 0.0028219 | 0.551 | 0.705 | 0.014 | 0.72 | 150.32 | 88.55 | 192.96 | 116.80 | 0.61 |
| ALP1 | 0.0343966 | 0.090 | 0.214 | -0.073 | 0.20 | 148.21 | 119.21 | 136.96 | 208.38 | 0.18 |
| 2Q1 | 0.0357064 | 0.214 | 0.241 | 0.020 | 0.20 | 155.52 | 61.21 | 6.18 | 84.04 | 0.78 |
| Q1 | 0.0372185 | 0.199 | 0.272 | 0.096 | 0.24 | 10.24 | 75.08 | 174.93 | 104.50 | 0.54 |
| O1 | 0.0387307 | 0.368 | 0.293 | -0.061 | 0.23 | 175.57 | 38.96 | 133.41 | 58.70 | 1.6 |
| NO1 | 0.0402686 | 0.127 | 0.454 | 0.048 | 0.32 | 59.28 | 122.50 | 209.71 | 216.52 | 0.078 |
| *K1 | 0.0417807 | 0.416 | 0.294 | 0.040 | 0.24 | 2.60 | 33.03 | 138.87 | 56.29 | 2 |
| J1 | 0.0432929 | 0.154 | 0.212 | -0.095 | 0.19 | 72.35 | 142.46 | 121.44 | 110.22 | 0.53 |
| OO1 | 0.0448308 | 0.233 | 0.357 | -0.046 | 0.31 | 172.47 | 77.64 | 301.44 | 153.28 | 0.43 |
| UPS1 | 0.0463430 | 0.291 | 0.329 | 0.042 | 0.25 | 175.52 | 68.58 | 67.38 | 101.08 | 0.79 |
| EPS2 | 0.0761773 | 0.231 | 0.370 | 0.065 | 0.25 | 18.76 | 47.14 | 231.61 | 131.98 | 0.39 |
| MU2 | 0.0776895 | 0.102 | 0.352 | -0.057 | 0.24 | 42.48 | 61.38 | 196.34 | 179.95 | 0.083 |
| *N2 | 0.0789992 | 1.183 | 0.570 | 0.090 | 0.25 | 3.49 | 13.55 | 10.75 | 30.82 | 4.3 |
| *M2 | 0.0805114 | 4.867 | 0.504 | 0.749 | 0.27 | 8.52 | 3.58 | 121.79 | 8.07 | 93 |
| L2 | 0.0820236 | 0.391 | 0.402 | 0.087 | 0.20 | 169.47 | 33.60 | 4.20 | 65.54 | 0.94 |
| S2 | 0.0833333 | 0.678 | 0.543 | 0.101 | 0.28 | 0.55 | 21.62 | 303.12 | 52.52 | 1.6 |
| ETA2 | 0.0850736 | 0.134 | 0.382 | -0.101 | 0.27 | 44.22 | 69.10 | 206.92 | 187.47 | 0.12 |
| MO3 | 0.1192421 | 0.045 | 0.102 | 0.037 | 0.11 | 146.31 | 140.60 | 299.19 | 190.53 | 0.2 |
| M3 | 0.1207671 | 0.078 | 0.114 | -0.015 | 0.09 | 8.39 | 95.82 | 219.39 | 121.75 | 0.46 |
| MK3 | 0.1222921 | 0.090 | 0.117 | 0.022 | 0.12 | 99.88 | 108.46 | 23.14 | 97.55 | 0.59 |
| SK3 | 0.1251141 | 0.112 | 0.134 | 0.001 | 0.12 | 135.24 | 87.70 | 148.59 | 86.19 | 0.7 |
| MN4 | 0.1595106 | 0.046 | 0.098 | -0.021 | 0.07 | 49.62 | 93.57 | 277.60 | 165.21 | 0.22 |
| M4 | 0.1610228 | 0.175 | 0.140 | 0.041 | 0.09 | 29.18 | 38.47 | 331.35 | 52.61 | 1.6 |
| SN4 | 0.1623326 | 0.118 | 0.128 | 0.015 | 0.08 | 170.79 | 37.11 | 347.01 | 68.72 | 0.85 |
| MS4 | 0.1638447 | 0.097 | 0.105 | 0.001 | 0.13 | 74.72 | 91.21 | 189.29 | 75.06 | 0.85 |
| S4 | 0.1666667 | 0.087 | 0.121 | 0.009 | 0.09 | 169.70 | 56.48 | 252.99 | 115.37 | 0.51 |
| 2MK5 | 0.2028035 | 0.096 | 0.078 | -0.032 | 0.07 | 6.64 | 53.04 | 147.91 | 65.62 | 1.5 |
| 2SK5 | 0.2084474 | 0.048 | 0.064 | 0.023 | 0.06 | 86.94 | 133.42 | 249.36 | 117.15 | 0.55 |
| *2MN6 | 0.2400221 | 0.225 | 0.090 | -0.035 | 0.10 | 37.09 | 20.47 | 58.71 | 25.65 | 6.2 |
| *M6 | 0.2415342 | 0.415 | 0.092 | -0.034 | 0.09 | 37.14 | 12.13 | 179.84 | 13.49 | 20 |
| *2MS6 | 0.2443561 | 0.120 | 0.079 | -0.013 | 0.08 | 37.31 | 50.69 | 23.85 | 49.22 | 2.3 |
| 2SM6 | 0.2471781 | 0.079 | 0.082 | 0.020 | 0.07 | 152.63 | 71.30 | 94.68 | 78.86 | 0.94 |
| 3MK7 | 0.2833149 | 0.029 | 0.042 | 0.005 | 0.05 | 83.18 | 138.16 | 213.23 | 125.48 | 0.48 |
| M8 | 0.3220456 | 0.028 | 0.043 | -0.027 | 0.03 | 80.62 | 152.94 | 355.85 | 145.83 | 0.43 |

total var= 30.6786 pred var= 13.6734

percent total var predicted/var original= 44.6 %