

file name: C:\SCHTUFF\MASS_BAY\MBLT_REPORT\PLOTS\c5012_5.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 | 3.376 | 0.087 | 2.07 | 95.53 | 40.74 | 25.60 | 71.07 | 1 |
| MSF | 0.0028219 | 1.843 | 2.223 | -0.280 | 2.28 | 138.29 | 85.71 | 332.08 | 121.78 | 0.69 |
| ALP1 | 0.0343966 | 0.366 | 0.700 | -0.210 | 0.79 | 2.04 | 105.11 | 139.46 | 158.23 | 0.27 |
| 2Q1 | 0.0357064 | 0.476 | 0.740 | -0.309 | 0.83 | 7.29 | 111.61 | 38.90 | 153.75 | 0.41 |
| Q1 | 0.0372185 | 0.992 | 0.937 | -0.435 | 0.77 | 174.89 | 75.00 | 80.91 | 78.34 | 1.1 |
| O1 | 0.0387307 | 0.829 | 0.820 | -0.282 | 0.93 | 33.59 | 79.37 | 28.78 | 96.02 | 1 |
| NO1 | 0.0402686 | 0.942 | 1.661 | -0.301 | 1.64 | 176.33 | 112.72 | 147.32 | 190.69 | 0.32 |
| *K1 | 0.0417807 | 1.394 | 0.911 | -0.755 | 0.81 | 166.90 | 65.03 | 128.90 | 70.76 | 2.3 |
| J1 | 0.0432929 | 0.269 | 0.630 | -0.088 | 0.73 | 75.06 | 127.42 | 181.37 | 183.19 | 0.18 |
| OO1 | 0.0448308 | 0.513 | 1.110 | -0.076 | 1.20 | 21.99 | 114.14 | 137.53 | 159.14 | 0.21 |
| UPS1 | 0.0463430 | 0.244 | 0.868 | -0.153 | 0.85 | 134.41 | 134.44 | 178.95 | 210.36 | 0.079 |
| EPS2 | 0.0761773 | 0.811 | 1.133 | -0.381 | 1.06 | 68.63 | 101.95 | 204.15 | 113.98 | 0.51 |
| MU2 | 0.0776895 | 1.042 | 1.269 | -0.605 | 1.10 | 71.36 | 103.27 | 191.44 | 95.27 | 0.68 |
| *N2 | 0.0789992 | 2.744 | 1.408 | -0.185 | 1.53 | 23.59 | 36.10 | 48.32 | 33.91 | 3.8 |
| *M2 | 0.0805114 | 8.322 | 1.590 | 1.829 | 1.52 | 30.36 | 11.28 | 304.47 | 11.49 | 27 |
| L2 | 0.0820236 | 0.737 | 0.966 | -0.485 | 1.10 | 61.23 | 115.09 | 125.95 | 116.72 | 0.58 |
| S2 | 0.0833333 | 1.093 | 1.239 | 0.171 | 1.25 | 31.66 | 91.65 | 43.12 | 87.42 | 0.78 |
| ETA2 | 0.0850736 | 0.760 | 1.200 | -0.230 | 1.25 | 16.19 | 107.68 | 143.32 | 116.00 | 0.4 |
| MO3 | 0.1192421 | 0.156 | 0.345 | 0.007 | 0.34 | 61.20 | 111.62 | 224.96 | 178.22 | 0.2 |
| M3 | 0.1207671 | 0.111 | 0.327 | -0.023 | 0.32 | 107.92 | 138.89 | 182.54 | 179.32 | 0.12 |
| MK3 | 0.1222921 | 0.276 | 0.392 | -0.254 | 0.35 | 29.79 | 133.94 | 311.62 | 147.34 | 0.49 |
| SK3 | 0.1251141 | 0.180 | 0.324 | -0.073 | 0.38 | 133.97 | 122.14 | 357.69 | 161.45 | 0.31 |
| MN4 | 0.1595106 | 0.344 | 0.344 | 0.093 | 0.34 | 7.82 | 70.81 | 351.50 | 78.37 | 1 |
| *M4 | 0.1610228 | 0.781 | 0.394 | -0.130 | 0.34 | 22.99 | 31.37 | 299.65 | 36.74 | 3.9 |
| SN4 | 0.1623326 | 0.383 | 0.327 | -0.287 | 0.37 | 62.86 | 108.03 | 36.71 | 105.77 | 1.4 |
| MS4 | 0.1638447 | 0.434 | 0.355 | -0.075 | 0.29 | 39.95 | 55.40 | 49.93 | 61.89 | 1.5 |
| S4 | 0.1666667 | 0.143 | 0.313 | -0.063 | 0.25 | 66.70 | 139.96 | 328.85 | 173.05 | 0.21 |
| 2MK5 | 0.2028035 | 0.119 | 0.185 | 0.034 | 0.18 | 7.27 | 82.66 | 24.34 | 128.45 | 0.42 |
| 2SK5 | 0.2084474 | 0.103 | 0.182 | -0.020 | 0.15 | 35.85 | 93.95 | 280.05 | 135.51 | 0.32 |
| *2MN6 | 0.2400221 | 0.444 | 0.242 | -0.045 | 0.24 | 55.35 | 35.71 | 92.75 | 32.57 | 3.4 |
| *M6 | 0.2415342 | 0.974 | 0.253 | -0.140 | 0.28 | 61.03 | 15.26 | 350.08 | 15.66 | 15 |
| 2MS6 | 0.2443561 | 0.189 | 0.208 | -0.104 | 0.23 | 75.79 | 98.85 | 66.36 | 103.55 | 0.83 |
| 2SM6 | 0.2471781 | 0.200 | 0.203 | -0.068 | 0.23 | 90.36 | 87.76 | 47.55 | 82.51 | 0.97 |
| 3MK7 | 0.2833149 | 0.104 | 0.157 | 0.079 | 0.16 | 90.18 | 134.25 | 214.65 | 142.81 | 0.44 |
| M8 | 0.3220456 | 0.174 | 0.129 | -0.076 | 0.13 | 24.52 | 62.39 | 119.49 | 71.03 | 1.8 |

total var= 172.0397 pred var= 43.5246

percent total var predicted/var original= 25.3 %