

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS\p4501.txt

date: 31-Oct-2003

nobs = 2845, ngood = 2845, record length (days) = 118.54

start time: 15-Feb-1995

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude \n and phase relative to center time

x0= 4.3e+003, x trend= 0

var(x)= 9917.9952 var(xp)= 9798.2287 var(xres)= 120.584

percent var predicted/var original= 98.8 %

## tidal amplitude and phase with 95% CI estimates

| tide  | freq      | amp      | amp_err | pha    | pha_err | snr      |
|-------|-----------|----------|---------|--------|---------|----------|
| MM    | 0.0015122 | 1.6702   | 4.226   | 57.83  | 156.64  | 0.16     |
| MSF   | 0.0028219 | 1.0953   | 3.798   | 32.25  | 196.53  | 0.083    |
| ALP1  | 0.0343966 | 0.2732   | 1.018   | 206.72 | 176.81  | 0.072    |
| 2Q1   | 0.0357064 | 0.5648   | 1.031   | 229.04 | 142.04  | 0.3      |
| *Q1   | 0.0372185 | 2.3754   | 1.322   | 158.20 | 31.00   | 3.2      |
| *O1   | 0.0387307 | 11.5375  | 1.312   | 186.12 | 6.16    | 77       |
| NO1   | 0.0402686 | 0.9933   | 1.297   | 239.00 | 72.76   | 0.59     |
| *K1   | 0.0417807 | 12.6681  | 1.194   | 196.41 | 5.24    | 1.1e+002 |
| J1    | 0.0432929 | 0.8613   | 1.012   | 187.13 | 92.55   | 0.72     |
| OO1   | 0.0448308 | 1.0200   | 1.760   | 234.15 | 128.94  | 0.34     |
| UPS1  | 0.0463430 | 0.4877   | 1.694   | 310.51 | 173.68  | 0.083    |
| EPS2  | 0.0761773 | 0.7076   | 1.455   | 179.70 | 147.14  | 0.24     |
| MU2   | 0.0776895 | 2.3309   | 1.706   | 340.69 | 49.29   | 1.9      |
| *N2   | 0.0789992 | 28.9262  | 1.982   | 82.02  | 3.56    | 2.1e+002 |
| *M2   | 0.0805114 | 129.6498 | 1.780   | 106.52 | 0.88    | 5.3e+003 |
| *L2   | 0.0820236 | 4.5722   | 1.432   | 143.09 | 21.12   | 10       |
| *S2   | 0.0833333 | 21.0063  | 1.850   | 141.30 | 5.05    | 1.3e+002 |
| ETA2  | 0.0850736 | 1.0525   | 2.056   | 114.15 | 160.37  | 0.26     |
| *MO3  | 0.1192421 | 0.5534   | 0.182   | 214.17 | 20.46   | 9.2      |
| M3    | 0.1207671 | 0.0613   | 0.123   | 241.81 | 136.35  | 0.25     |
| *MK3  | 0.1222921 | 0.3040   | 0.166   | 236.88 | 31.46   | 3.3      |
| SK3   | 0.1251141 | 0.0629   | 0.126   | 176.84 | 141.01  | 0.25     |
| *MN4  | 0.1595106 | 0.8357   | 0.118   | 354.62 | 8.46    | 50       |
| *M4   | 0.1610228 | 1.6752   | 0.132   | 359.39 | 4.23    | 1.6e+002 |
| SN4   | 0.1623326 | 0.0986   | 0.122   | 253.84 | 73.95   | 0.65     |
| *MS4  | 0.1638447 | 0.6844   | 0.141   | 42.61  | 11.18   | 23       |
| S4    | 0.1666667 | 0.0663   | 0.106   | 37.81  | 108.79  | 0.39     |
| *2MK5 | 0.2028035 | 0.1202   | 0.068   | 110.30 | 33.37   | 3.1      |
| *2SK5 | 0.2084474 | 0.1678   | 0.082   | 105.21 | 25.13   | 4.2      |
| *2MN6 | 0.2400221 | 0.8115   | 0.168   | 244.25 | 15.77   | 23       |
| *M6   | 0.2415342 | 1.4059   | 0.184   | 265.82 | 8.06    | 59       |
| *2MS6 | 0.2443561 | 0.5689   | 0.215   | 328.88 | 22.03   | 7        |
| 2SM6  | 0.2471781 | 0.0984   | 0.161   | 344.52 | 128.67  | 0.38     |
| 3MK7  | 0.2833149 | 0.0080   | 0.029   | 355.59 | 175.53  | 0.078    |
| *M8   | 0.3220456 | 0.0689   | 0.038   | 219.06 | 37.08   | 3.3      |