file name: C:\SCHTUFF\MASS_BAY\MBLT_REPORT\PLOTS\c4591.txt
date: 31-Oct-2003
nobs = 2167, ngood = 2167, record length (days) = 90.29
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= -0.509, x trend= 0

var(x)= 94.1471   var(xp)= 62.5629   var(xres)= 32.0403
percent var predicted/var original= 66.5 %

y0= 1.33, x trend= 0

var(y)= 61.8212   var(yp)= 8.4826 var(yres)= 53.2608
percent var predicted/var original= 13.7 %

ellipse parameters with 95%% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.0015122	1.216	2.545	0.455	1.46	68.36	39.20	303.07	156.54	0.23
MSF	0.0028219	4.105	3.296	-0.341	1.46	101.95	17.92	209.40	58.26	1.6
ALP1	0.0343966	0.423	0.527	0.196	0.49	45.01	96.87	120.54	103.04	0.64
2Q1	0.0357064	0.372	0.544	-0.006	0.50	131.58	101.54	19.46	108.12	0.47
Q1	0.0372185	0.486	0.590	-0.252	0.53	1.52	99.45	252.92	115.39	0.68
O1	0.0387307	0.345	0.506	0.333	0.58	111.80	140.02	9.96	156.62	0.47
NO1	0.0402686	0.915	1.136	-0.079	1.15	81.89	104.58	47.83	95.43	0.65
K1	0.0417807	0.779	0.570	-0.402	0.57	27.77	71.23	347.52	83.55	1.9
J1	0.0432929	0.602	0.539	0.025	0.61	137.96	74.26	62.32	65.22	1.2
OO1	0.0448308	0.399	0.727	-0.076	0.78	35.66	98.82	358.22	169.92	0.3
UPS1	0.0463430	0.636	0.687	-0.298	0.72	84.52	104.55	73.42	95.14	0.86
EPS2	0.0761773	0.564	1.001	-0.310	0.99	78.43	130.78	321.47	160.31	0.32
MU2	0.0776895	0.315	0.881	-0.107	0.83	64.78	137.75	88.22	189.17	0.13
*N2	0.0789992	2.049	1.372	0.093	1.09	3.25	39.46	51.52	41.66	2.2
*M2	0.0805114	11.274	1.366	-1.396	1.48	19.58	7.04	115.28	7.77	68
L2	0.0820236	0.775	0.895	-0.502	0.82	6.97	110.04	145.58	122.30	0.75
S2	0.0833333	1.262	1.279	-0.197	1.02	11.46	62.78	298.10	72.01	0.97
ETA2	0.0850736	0.740	1.092	-0.534	1.09	148.49	123.91	298.66	140.20	0.46
MO3	0.1192421	0.322	0.389	0.042	0.34	152.26	79.81	318.66	93.96	0.68
M3	0.1207671	0.111	0.300	0.027	0.27	60.22	120.56	314.43	156.08	0.14
MK3	0.1222921	0.143	0.300	-0.030	0.30	130.62	133.81	92.60	141.50	0.23
SK3	0.1251141	0.298	0.365	-0.008	0.31	179.04	104.89	70.18	165.17	0.66
MN4	0.1595106	0.450	0.368	0.041	0.34	6.66	52.05	150.66	60.74	1.5
M4	0.1610228	0.285	0.321	0.094	0.34	14.31	84.11	244.96	96.81	0.79
SN4	0.1623326	0.238	0.350	0.008	0.29	15.03	102.75	176.28	99.97	0.46
MS4	0.1638447	0.471	0.359	-0.137	0.39	3.86	50.64	72.45	56.14	1.7
S4	0.1666667	0.185	0.286	-0.046	0.31	57.89	118.73	207.20	139.90	0.42
2MK5	0.2028035	0.144	0.244	-0.057	0.20	47.74	107.94	224.61	128.97	0.35
2SK5	0.2084474	0.158	0.210	-0.121	0.20	88.23	146.20	249.41	133.64	0.56
*2MN6	0.2400221	0.340	0.225	0.139	0.25	23.68	68.19	23.45	61.67	2.3
*M6	0.2415342	0.731	0.245	-0.045	0.26	40.94	20.70	117.05	19.86	8.9
2MS6	0.2443561	0.213	0.181	-0.042	0.20	67.58	74.21	325.40	75.92	1.4
2SM6	0.2471781	0.166	0.252	-0.017	0.20	52.94	85.56	162.07	105.38	0.44
3MK7	0.2833149	0.120	0.126	-0.050	0.15	117.19	107.10	338.01	103.12	0.91
*M8	0.3220456	0.288	0.122	-0.094	0.11	37.59	28.72	349.70	30.21	5.5

total var= 155.9682   pred var= 71.0455
percent total var predicted/var original= 45.6 %