

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c4381\_5.txt  
date: 20-May-2005  
nobs = 62, ngood = 61, record length (days) = 2.58  
start time: 04-Apr-1994 14:45:00  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= -0.33, x trend= 0

var(x)= 80.3162 var(xp)= 72.8542 var(xres)= 7.462  
percent var predicted= 90.7 %

x0= 7.51, x trend= 0

var(y)= 36.7471 var(yp)= 23.2323 var(yres)= 13.5148  
percent var predicted= 63.2 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
K1	0.04178	3.408	1.920	2.187	2.66	145.39	88.59	252.42	77.67	3.2
M2	0.08051	12.863	1.369	0.525	1.22	153.46	5.34	40.23	5.99	88
M3	0.12077	1.438	1.189	-0.326	1.40	106.49	57.89	160.01	50.06	1.5
M4	0.16102	1.714	0.868	-1.443	0.70	121.98	111.91	55.76	115.93	3.9
2MK5	0.20280	0.590	0.950	-0.317	0.59	80.58	107.99	343.62	138.88	0.38
M6	0.24153	0.524	0.049	0.063	0.27	171.66	27.83	264.31	6.13	1.1e+002
3MK7	0.28331	0.928	0.070	-0.339	0.26	166.22	18.63	139.27	8.41	1.7e+002
M8	0.32205	0.204	0.408	-0.119	0.37	19.52	170.65	73.99	179.72	0.25

total var= 117.0633 pred var= 96.0866  
percent total var predicted= 82.1 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c4511\_5.txt  
date: 20-May-2005  
nobs = 1481, ngood = 1477, record length (days) = 61.71  
start time: 14-Feb-1995 15:45:02  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= -0.402, x trend= 0

var(x)= 115.8557 var(xp)= 80.8136 var(xres)= 35.042  
percent var predicted= 69.8 %

x0= -3.37, x trend= 0

var(y)= 67.9474 var(yp)= 12.7141 var(yres)= 55.2333  
percent var predicted= 18.7 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	2.828	2.174	-0.968	1.73	87.68	43.20	238.06	51.71	1.7
MSF	0.00282	2.237	2.127	-0.050	1.79	110.14	45.82	45.91	54.52	1.1
ALP1	0.03440	0.889	1.045	0.104	0.83	71.05	65.76	240.78	82.04	0.72
2Q1	0.03571	1.038	0.801	-0.608	1.07	176.08	118.94	60.44	103.59	1.7
Q1	0.03722	0.890	0.955	0.280	0.93	47.34	82.77	48.12	84.36	0.87
O1	0.03873	0.887	0.833	0.028	1.04	160.78	78.01	242.00	62.27	1.1
NO1	0.04027	1.909	0.949	-0.600	0.94	45.95	41.96	294.38	42.28	4
K1	0.04178	2.231	1.069	-0.608	0.80	93.84	25.89	34.00	33.14	4.4
J1	0.04329	0.918	0.800	0.007	1.07	2.24	79.30	1.35	59.31	1.3
OO1	0.04483	1.817	0.818	0.043	1.06	165.85	67.73	44.04	52.50	4.9
UPS1	0.04634	0.969	1.023	0.219	0.86	63.80	106.72	35.04	124.92	0.9
EPS2	0.07618	1.067	0.937	-0.369	0.76	108.51	51.81	124.27	61.17	1.3
MU2	0.07769	1.336	0.953	-0.439	0.74	80.93	38.03	143.78	46.61	2
N2	0.07900	1.773	0.734	0.225	0.96	174.60	30.66	14.74	23.77	5.8
M2	0.08051	11.667	0.732	-0.385	0.96	1.40	4.58	196.06	3.50	2.5e+002
L2	0.08202	0.915	0.879	-0.762	0.82	52.11	188.89	55.75	191.11	1.1
S2	0.08333	1.981	0.785	-0.059	0.91	152.62	26.54	55.22	22.79	6.4
ETA2	0.08507	0.344	0.934	-0.009	0.76	110.05	195.58	96.54	239.60	0.14
MO3	0.11924	0.537	0.353	-0.296	0.42	177.51	79.97	132.19	72.80	2.3
M3	0.12077	0.483	0.415	0.172	0.36	71.48	50.72	93.28	56.58	1.4
MK3	0.12229	0.473	0.354	-0.038	0.42	174.59	54.83	341.21	46.15	1.8
SK3	0.12511	0.359	0.422	0.124	0.35	88.17	75.91	288.66	87.25	0.72
MN4	0.15951	0.284	0.415	-0.102	0.42	172.86	96.76	4.65	96.51	0.47
M4	0.16102	0.614	0.416	0.070	0.42	75.82	37.31	157.14	37.42	2.2
SN4	0.16233	0.549	0.415	-0.147	0.42	30.35	47.17	318.77	47.10	1.7
MS4	0.16384	0.255	0.415	-0.127	0.42	4.21	136.01	324.77	135.73	0.38
S4	0.16667	0.650	0.416	-0.192	0.42	112.26	41.96	34.68	42.05	2.4
2MK5	0.20280	0.299	0.222	-0.070	0.22	5.60	47.73	86.07	47.71	1.8
2SK5	0.20845	0.290	0.222	-0.015	0.22	157.39	48.24	11.74	48.22	1.7
2MN6	0.24002	0.149	0.195	-0.067	0.25	172.86	118.30	301.53	100.07	0.59
M6	0.24153	0.363	0.225	0.040	0.23	44.45	33.38	40.79	33.22	2.6
2MS6	0.24436	0.184	0.226	-0.160	0.22	45.96	359.78	150.54	360.22	0.66
2SM6	0.24718	0.217	0.235	-0.109	0.22	54.56	85.13	315.69	89.53	0.85
3MK7	0.28331	0.103	0.163	0.011	0.15	34.50	84.80	313.92	92.32	0.4
M8	0.32205	0.165	0.126	-0.018	0.10	164.76	32.36	235.32	39.75	1.7

total var= 183.8031 pred var= 93.5277  
percent total var predicted= 50.9 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c4791\_5.txt  
 date: 20-May-2005  
 nobs = 1308, ngood = 1305, record length (days) = 54.50  
 start time: 01-Oct-1996 13:45:37  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 1.65, x trend= 0

var(x)= 105.76 var(xp)= 77.6726 var(xres)= 28.0874  
 percent var predicted= 73.4 %

x0= 0.766, x trend= 0

var(y)= 39.4144 var(yp)= 3.7183 var(yres)= 35.6962  
 percent var predicted= 9.4 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.499	2.317	-0.589	1.72	117.52	88.14	181.15	109.11	0.42
MSF	0.00282	1.426	1.445	0.356	2.50	2.35	108.19	270.29	67.41	0.97
ALP1	0.03440	1.087	0.517	-0.330	0.51	129.75	38.79	7.54	39.53	4.4
2Q1	0.03571	0.708	0.536	0.225	0.49	109.24	58.62	66.01	63.49	1.7
Q1	0.03722	0.496	0.535	0.115	0.49	110.63	76.59	344.28	83.32	0.86
O1	0.03873	0.801	0.524	-0.220	0.50	123.69	49.67	133.12	51.76	2.3
NO1	0.04027	0.444	0.484	-0.359	0.54	164.54	252.25	327.89	246.66	0.84
K1	0.04178	1.512	0.504	-0.883	0.52	38.17	38.90	260.45	38.34	9
J1	0.04329	0.546	0.509	-0.146	0.51	137.22	74.67	126.63	74.05	1.2
OO1	0.04483	1.317	0.532	-0.662	0.49	115.12	63.35	253.02	66.44	6.1
UPS1	0.04634	0.942	0.482	-0.839	0.54	13.17	404.04	161.84	398.86	3.8
EPS2	0.07618	0.424	0.474	0.047	0.60	102.23	82.65	91.47	65.63	0.8
MU2	0.07769	0.477	0.536	0.324	0.54	133.24	142.58	153.03	141.76	0.79
N2	0.07900	1.769	0.606	-0.403	0.47	1.35	16.00	151.63	20.22	8.5
M2	0.08051	11.566	0.606	-0.826	0.47	1.61	2.25	204.26	2.91	3.6e+002
L2	0.08202	0.629	0.605	0.134	0.47	175.22	44.28	128.07	55.96	1.1
S2	0.08333	1.667	0.602	-0.588	0.47	9.45	20.32	231.19	24.58	7.7
ETA2	0.08507	1.289	0.537	0.208	0.54	46.32	42.56	190.11	42.09	5.7
MO3	0.11924	0.153	0.282	-0.054	0.29	102.58	156.84	297.31	153.22	0.29
M3	0.12077	0.281	0.291	-0.104	0.28	3.12	67.52	23.10	69.23	0.93
MK3	0.12229	0.453	0.291	-0.071	0.28	177.73	40.35	169.79	41.64	2.4
SK3	0.12511	0.390	0.288	-0.050	0.28	145.23	48.61	98.77	49.16	1.8
MN4	0.15951	0.238	0.200	0.018	0.23	162.47	51.61	286.43	45.18	1.4
M4	0.16102	0.524	0.209	0.052	0.22	34.75	22.80	145.31	21.55	6.3
SN4	0.16233	0.148	0.205	0.058	0.22	152.18	105.68	24.75	98.78	0.52
MS4	0.16384	0.273	0.211	0.065	0.22	38.13	48.48	174.45	46.83	1.7
S4	0.16667	0.162	0.231	-0.110	0.20	98.93	165.42	53.98	175.28	0.49
2MK5	0.20280	0.171	0.202	0.021	0.18	101.74	63.89	241.37	72.93	0.71
2SK5	0.20845	0.162	0.197	-0.029	0.18	120.25	77.45	254.76	82.93	0.68
2MN6	0.24002	0.277	0.260	0.011	0.18	16.92	33.16	284.60	48.14	1.1
M6	0.24153	0.396	0.233	0.126	0.21	38.66	32.52	31.22	35.13	2.9
2MS6	0.24436	0.309	0.186	-0.059	0.25	67.31	46.12	54.01	34.55	2.7
2SM6	0.24718	0.191	0.266	-0.006	0.17	177.83	49.04	310.99	77.51	0.51
3MK7	0.28331	0.151	0.217	0.018	0.19	142.92	75.94	151.17	85.45	0.48
M8	0.32205	0.254	0.145	0.061	0.14	22.82	30.47	302.02	30.94	3

total var= 145.1744 pred var= 81.3909  
 percent total var predicted= 56.1 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c4952\_5.txt

date: 20-May-2005

nobs = 2818, ngood = 2817, record length (days) = 117.42

start time: 12-Feb-1997 13:57:30

rayleigh criterion = 1.0

nodal corrections applied to amplitude and phase relative to center time

x0= 2.26, x trend= 0

var(x)= 110.0103 var(xp)= 62.5089 var(xres)= 47.5014

percent var predicted= 56.8 %

x0= -1.22, x trend= 0

var(y)= 87.3534 var(yp)= 28.0678 var(yres)= 59.2856

percent var predicted= 32.1 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	0.719	2.042	-0.500	1.29	83.98	295.15	240.70	343.18	0.12
MSF	0.00282	1.627	2.024	-0.006	1.32	101.46	46.47	232.77	71.29	0.65
ALP1	0.03440	0.924	0.549	-0.556	0.55	145.50	78.06	122.50	77.98	2.8
2Q1	0.03571	0.549	0.549	0.226	0.55	148.33	94.56	239.54	94.38	1
Q1	0.03722	0.434	0.550	-0.190	0.55	47.10	122.76	89.79	122.80	0.62
O1	0.03873	0.546	0.548	-0.123	0.55	6.92	77.57	77.13	77.16	0.99
NO1	0.04027	0.764	0.548	-0.115	0.55	172.78	39.68	7.61	39.46	1.9
K1	0.04178	1.712	0.549	-1.195	0.55	134.57	49.60	31.82	49.60	9.7
J1	0.04329	0.610	0.549	-0.250	0.55	45.37	83.49	217.41	83.49	1.2
OO1	0.04483	0.770	0.549	-0.302	0.55	29.53	91.51	337.07	91.31	2
UPS1	0.04634	1.192	0.551	-0.370	0.55	98.76	57.98	105.69	58.26	4.7
EPS2	0.07618	0.112	0.473	-0.026	0.42	103.63	230.94	33.95	258.39	0.056
MU2	0.07769	0.121	0.460	-0.049	0.43	120.80	258.90	192.11	271.59	0.069
N2	0.07900	2.813	0.426	-0.325	0.46	26.26	9.30	145.08	8.56	44
M2	0.08051	11.867	0.432	-0.871	0.46	32.39	2.15	192.97	2.03	7.5e+002
L2	0.08202	2.015	0.435	-0.876	0.46	35.37	18.10	286.78	17.54	21
S2	0.08333	1.830	0.437	-0.059	0.45	37.14	14.26	226.22	13.73	18
ETA2	0.08507	0.758	0.476	-0.228	0.41	86.71	60.72	94.12	68.26	2.5
MO3	0.11924	0.362	0.253	-0.068	0.25	18.19	49.84	33.70	50.59	2
M3	0.12077	0.247	0.253	-0.145	0.25	165.67	96.96	28.12	97.79	0.95
MK3	0.12229	0.250	0.249	-0.050	0.25	113.93	67.22	72.08	66.40	1
SK3	0.12511	0.210	0.253	0.134	0.25	21.37	153.91	174.03	154.87	0.69
MN4	0.15951	0.391	0.206	0.027	0.22	34.56	30.37	30.87	28.35	3.6
M4	0.16102	0.735	0.216	-0.172	0.21	48.36	16.63	70.18	16.98	12
SN4	0.16233	0.342	0.193	-0.085	0.23	173.05	41.17	130.50	34.81	3.1
MS4	0.16384	0.299	0.226	0.095	0.20	64.55	43.81	137.31	48.43	1.7
S4	0.16667	0.150	0.233	0.108	0.19	95.74	203.52	132.43	216.18	0.41
2MK5	0.20280	0.163	0.138	-0.032	0.14	29.11	54.24	54.76	54.11	1.4
2SK5	0.20845	0.193	0.138	-0.036	0.14	19.48	49.52	317.28	49.34	2
2MN6	0.24002	0.541	0.142	0.126	0.14	34.87	14.35	284.08	14.67	14
M6	0.24153	0.758	0.141	0.101	0.14	45.73	9.79	356.34	9.77	29
2MS6	0.24436	0.392	0.142	-0.089	0.14	38.46	20.57	18.51	20.87	7.6
2SM6	0.24718	0.086	0.141	0.006	0.14	44.10	90.96	24.10	91.16	0.37
3MK7	0.28331	0.056	0.106	0.001	0.13	107.24	135.95	350.41	109.50	0.28
M8	0.32205	0.146	0.102	-0.039	0.10	37.25	38.07	261.43	38.14	2.1

total var= 197.3637 pred var= 90.5767

percent total var predicted= 45.9 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c5012\_5.txt  
 date: 20-May-2005  
 nobs = 2506, ngood = 2505, record length (days) = 104.42  
 start time: 10-Jun-1997 13:57:29  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= -2.58, x trend= 0

var(x)= 88.4294 var(xp)= 35.1345 var(xres)= 53.295  
 percent var predicted= 39.7 %

x0= 1.72, x trend= 0

var(y)= 83.6103 var(yp)= 19.7262 var(yres)= 63.8841  
 percent var predicted= 23.6 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	3.376	2.687	0.087	1.59	95.53	26.98	161.89	45.63	1.6
MSF	0.00282	1.843	2.144	-0.280	2.27	138.29	72.92	305.39	69.10	0.74
ALP1	0.03440	0.434	0.698	-0.248	0.66	2.04	187.09	308.59	192.91	0.39
2Q1	0.03571	0.582	0.697	-0.377	0.66	7.29	171.03	44.51	175.17	0.7
Q1	0.03722	1.182	0.698	-0.518	0.66	174.89	54.32	222.10	56.57	2.9
O1	0.03873	0.971	0.686	-0.330	0.67	33.59	58.82	305.53	59.93	2
NO1	0.04027	0.374	0.698	-0.119	0.66	176.33	105.50	337.68	110.80	0.29
K1	0.04178	1.520	0.696	-0.823	0.66	166.90	45.88	96.48	47.26	4.8
J1	0.04329	0.337	0.660	-0.110	0.70	75.06	171.17	286.25	164.06	0.26
OO1	0.04483	0.553	0.692	-0.082	0.66	21.99	118.58	167.98	123.64	0.64
UPS1	0.04634	0.340	0.677	-0.213	0.68	134.41	409.19	345.99	408.97	0.25
EPS2	0.07618	0.859	1.045	-0.404	1.05	68.63	97.01	345.03	96.78	0.68
MU2	0.07769	1.043	1.045	-0.606	1.05	71.36	97.16	106.29	96.97	1
N2	0.07900	2.686	1.048	-0.181	1.04	23.59	21.71	159.37	21.78	6.6
M2	0.08051	8.155	1.048	1.792	1.05	30.36	7.62	191.70	7.63	61
L2	0.08202	1.000	1.045	-0.659	1.05	61.23	140.04	154.56	139.89	0.92
S2	0.08333	1.094	1.048	0.171	1.05	31.66	56.93	262.05	57.05	1.1
ETA2	0.08507	1.225	1.049	-0.371	1.04	16.19	91.94	215.50	92.27	1.4
MO3	0.11924	0.179	0.312	0.008	0.33	61.20	125.60	28.94	119.90	0.33
M3	0.12077	0.108	0.308	-0.023	0.33	107.92	176.24	13.53	165.18	0.12
MK3	0.12229	0.295	0.326	-0.271	0.31	29.79	597.54	166.44	599.74	0.82
SK3	0.12511	0.196	0.319	-0.079	0.32	133.97	136.36	184.20	136.05	0.38
MN4	0.15951	0.330	0.294	0.090	0.27	7.82	48.60	349.79	52.99	1.3
M4	0.16102	0.750	0.291	-0.125	0.27	22.99	20.04	74.13	21.46	6.7
SN4	0.16233	0.375	0.272	-0.282	0.29	62.86	120.43	6.69	118.41	1.9
MS4	0.16384	0.425	0.283	-0.073	0.28	39.95	37.84	156.10	38.49	2.3
S4	0.16667	0.144	0.270	-0.063	0.29	66.70	155.69	46.71	148.35	0.28
2MK5	0.20280	0.125	0.171	0.036	0.14	7.27	76.55	126.40	92.65	0.53
2SK5	0.20845	0.113	0.161	-0.021	0.15	35.85	91.24	325.48	97.58	0.49
2MN6	0.24002	0.418	0.178	-0.043	0.18	55.35	22.68	338.28	22.27	5.5
M6	0.24153	0.917	0.177	-0.132	0.18	61.03	10.50	11.79	10.22	27
2MS6	0.24436	0.182	0.175	-0.100	0.18	75.79	87.16	59.76	85.02	1.1
2SM6	0.24718	0.196	0.175	-0.067	0.18	90.36	61.79	12.64	59.25	1.3
3MK7	0.28331	0.107	0.158	0.081	0.16	90.18	267.81	203.94	265.47	0.45
M8	0.32205	0.161	0.126	-0.070	0.12	24.52	50.62	28.43	51.79	1.6

total var= 172.0397 pred var= 54.8607  
 percent total var predicted= 31.9 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c5072\_5.txt  
 date: 20-May-2005  
 nobs = 3359, ngood = 3342, record length (days) = 139.96  
 start time: 23-Sep-1997 15:57:30  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 1.05, x trend= 0

var(x)= 88.8911 var(xp)= 67.037 var(xres)= 21.8542  
 percent var predicted= 75.4 %

x0= -1.2, x trend= 0

var(y)= 48.9789 var(yp)= 12.0176 var(yres)= 36.9613  
 percent var predicted= 24.5 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.871	1.248	-0.356	0.47	84.95	16.63	228.52	39.76	2.2
MSF	0.00282	0.446	1.182	-0.154	0.62	110.80	107.93	42.99	175.40	0.14
ALP1	0.03440	0.328	0.256	-0.249	0.25	130.36	160.79	120.84	161.44	1.6
2Q1	0.03571	0.299	0.245	-0.130	0.26	163.23	83.38	219.45	79.10	1.5
Q1	0.03722	0.352	0.261	-0.033	0.25	62.39	50.58	180.65	53.27	1.8
O1	0.03873	0.474	0.261	0.239	0.25	117.43	56.19	340.31	57.99	3.3
NO1	0.04027	0.256	0.244	-0.029	0.26	166.41	52.84	3.78	48.77	1.1
K1	0.04178	0.599	0.245	-0.151	0.26	18.82	31.17	282.85	29.22	6
J1	0.04329	0.466	0.248	-0.295	0.26	28.65	76.07	335.29	74.47	3.5
OO1	0.04483	0.844	0.265	-0.349	0.24	100.65	34.96	73.54	37.16	10
UPS1	0.04634	0.456	0.249	-0.220	0.26	30.80	83.89	72.17	81.64	3.3
EPS2	0.07618	0.420	0.228	-0.332	0.23	147.53	104.46	0.22	103.89	3.4
MU2	0.07769	0.321	0.226	-0.181	0.24	157.39	67.94	112.81	66.56	2
N2	0.07900	2.362	0.225	-0.097	0.24	15.19	5.57	154.59	5.30	1.1e+002
M2	0.08051	11.430	0.226	-0.387	0.24	20.98	1.14	197.17	1.09	2.6e+003
L2	0.08202	0.412	0.237	-0.113	0.22	80.86	40.23	322.85	42.13	3
S2	0.08333	1.955	0.225	-0.234	0.24	10.66	7.11	219.63	6.75	76
ETA2	0.08507	0.693	0.234	-0.364	0.23	57.15	46.65	143.21	47.27	8.8
MO3	0.11924	0.123	0.113	-0.069	0.09	154.74	91.70	243.73	101.14	1.2
M3	0.12077	0.046	0.098	-0.036	0.11	124.62	412.43	152.06	402.40	0.22
MK3	0.12229	0.123	0.087	-0.036	0.12	84.25	66.53	248.04	51.83	2
SK3	0.12511	0.100	0.100	0.061	0.11	127.37	127.02	299.05	122.55	1
MN4	0.15951	0.285	0.108	-0.103	0.11	14.77	26.16	96.95	25.12	6.9
M4	0.16102	0.586	0.109	-0.072	0.11	17.60	10.61	85.24	10.11	29
SN4	0.16233	0.043	0.113	-0.006	0.11	54.61	146.86	301.41	149.73	0.15
MS4	0.16384	0.228	0.109	-0.042	0.11	17.26	29.08	138.83	27.74	4.4
S4	0.16667	0.239	0.110	-0.006	0.11	142.80	27.07	313.49	26.63	4.7
2MK5	0.20280	0.183	0.103	-0.020	0.10	12.75	33.42	130.45	34.48	3.2
2SK5	0.20845	0.128	0.100	-0.080	0.10	108.84	99.47	62.08	98.25	1.6
2MN6	0.24002	0.291	0.101	0.062	0.10	47.20	19.28	315.12	19.11	8.4
M6	0.24153	0.627	0.101	0.023	0.10	44.08	8.29	347.07	8.33	38
2MS6	0.24436	0.278	0.101	-0.102	0.10	45.45	24.02	50.57	23.98	7.6
2SM6	0.24718	0.092	0.105	-0.005	0.10	151.39	59.29	199.21	63.50	0.77
3MK7	0.28331	0.076	0.086	0.008	0.09	56.12	68.20	103.08	66.62	0.78
M8	0.32205	0.074	0.079	-0.035	0.08	34.23	74.90	250.20	75.73	0.87

total var= 137.87 pred var= 79.0546  
 percent total var predicted= 57.3 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c5162\_5.txt  
 date: 20-May-2005  
 nobs = 3046, ngood = 3045, record length (days) = 126.92  
 start time: 10-Feb-1998 15:57:30  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 0.00357, x trend= 0

var(x)= 140.408 var(xp)= 67.911 var(xres)= 72.497  
 percent var predicted= 48.4 %

x0= -2.17, x trend= 0

var(y)= 138.9175 var(yp)= 20.4515 var(yres)= 118.466  
 percent var predicted= 14.7 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.906	3.458	-0.186	2.25	78.34	69.08	38.33	105.13	0.3
MSF	0.00282	4.803	3.485	0.561	2.21	97.14	27.17	141.22	42.27	1.9
ALP1	0.03440	1.258	0.639	-0.792	0.76	79.92	77.32	335.92	71.92	3.9
2Q1	0.03571	0.488	0.635	-0.371	0.76	94.58	303.78	115.73	289.87	0.59
Q1	0.03722	0.724	0.666	-0.140	0.73	119.18	74.30	272.17	68.13	1.2
O1	0.03873	0.708	0.681	-0.479	0.72	126.64	155.66	20.16	152.72	1.1
NO1	0.04027	0.361	0.756	-0.030	0.64	170.29	90.64	114.21	107.10	0.23
K1	0.04178	1.961	0.652	-0.789	0.74	110.89	30.83	28.81	28.01	9.1
J1	0.04329	2.084	0.641	-1.142	0.75	102.73	38.74	59.17	35.53	11
OO1	0.04483	1.663	0.726	-0.704	0.67	147.63	48.25	140.90	50.87	5.3
UPS1	0.04634	0.459	0.665	-0.125	0.73	61.24	175.76	307.77	161.84	0.48
EPS2	0.07618	0.842	0.835	-0.158	0.78	54.73	53.42	278.45	57.27	1
MU2	0.07769	0.963	0.860	-0.433	0.75	115.74	60.57	79.19	66.44	1.3
N2	0.07900	2.331	0.729	-0.276	0.88	17.76	21.23	160.08	17.75	10
M2	0.08051	10.609	0.714	-0.870	0.89	8.05	4.67	193.85	3.77	2.2e+002
L2	0.08202	1.720	0.757	-0.693	0.85	150.91	41.06	52.97	37.71	5.2
S2	0.08333	1.905	0.714	-0.420	0.89	7.71	28.57	264.98	23.43	7.1
ETA2	0.08507	0.961	0.843	-0.494	0.77	57.56	106.68	95.10	112.75	1.3
MO3	0.11924	0.359	0.286	0.168	0.31	33.63	82.36	344.31	77.43	1.6
M3	0.12077	0.189	0.318	0.075	0.28	121.30	106.48	357.82	115.69	0.35
MK3	0.12229	0.393	0.332	-0.228	0.27	75.26	78.48	37.56	87.36	1.4
SK3	0.12511	0.352	0.268	-0.031	0.33	163.53	61.14	354.75	49.65	1.7
MN4	0.15951	0.340	0.249	-0.075	0.25	26.78	42.89	103.03	42.31	1.9
M4	0.16102	0.712	0.249	-0.185	0.25	20.45	21.03	92.34	20.68	8.2
SN4	0.16233	0.304	0.248	-0.162	0.25	2.43	72.69	244.88	71.67	1.5
MS4	0.16384	0.092	0.248	-0.007	0.25	8.53	153.64	185.28	149.98	0.14
S4	0.16667	0.230	0.250	0.009	0.25	33.18	63.18	346.92	62.54	0.85
2MK5	0.20280	0.212	0.139	-0.081	0.16	56.16	55.33	354.83	50.31	2.3
2SK5	0.20845	0.215	0.169	-0.043	0.13	15.99	40.71	166.21	53.28	1.6
2MN6	0.24002	0.496	0.140	-0.053	0.14	38.33	14.36	334.41	14.81	13
M6	0.24153	0.625	0.140	0.064	0.14	37.29	11.35	357.88	11.76	20
2MS6	0.24436	0.261	0.145	0.042	0.13	15.62	27.76	51.77	31.01	3.2
2SM6	0.24718	0.126	0.142	0.013	0.13	32.63	59.74	159.32	63.16	0.8
3MK7	0.28331	0.110	0.127	0.051	0.11	161.21	85.78	342.08	91.92	0.75
M8	0.32205	0.189	0.107	0.009	0.09	175.26	24.21	148.60	28.41	3.1

total var= 279.3255 pred var= 88.3625  
 percent total var predicted= 31.6 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c5302\_5.txt  
 date: 20-May-2005  
 nobs = 2516, ngood = 2513, record length (days) = 104.83  
 start time: 17-Jun-1998 15:52:30  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= -0.743, x trend= 0

var(x)= 91.3604 var(xp)= 28.6257 var(xres)= 62.7347  
 percent var predicted= 31.3 %

x0= -0.0424, x trend= 0

var(y)= 72.4122 var(yp)= 14.8388 var(yres)= 57.5734  
 percent var predicted= 20.5 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	2.351	1.060	0.042	0.96	89.31	23.43	197.03	25.84	4.9
MSF	0.00282	1.720	0.966	0.345	1.06	12.14	37.26	144.73	34.31	3.2
ALP1	0.03440	0.832	0.435	0.002	0.43	143.22	35.16	230.30	35.25	3.7
2Q1	0.03571	0.448	0.437	-0.048	0.43	4.02	66.41	319.23	67.03	1.1
Q1	0.03722	0.856	0.435	-0.385	0.43	40.60	47.62	321.61	47.67	3.9
O1	0.03873	0.671	0.433	0.186	0.44	115.75	50.34	118.26	50.09	2.4
NO1	0.04027	0.299	0.436	-0.024	0.43	20.66	77.09	268.62	77.64	0.47
K1	0.04178	1.549	0.436	-0.661	0.43	163.00	23.70	128.22	23.84	13
J1	0.04329	0.643	0.437	-0.261	0.43	5.49	57.63	280.74	58.03	2.2
OO1	0.04483	0.814	0.435	-0.247	0.43	32.69	54.32	87.85	54.50	3.5
UPS1	0.04634	0.673	0.437	-0.547	0.43	3.71	236.38	316.74	236.84	2.4
EPS2	0.07618	0.743	1.660	-0.626	1.43	151.29	506.54	81.88	519.28	0.2
MU2	0.07769	1.311	1.631	-0.596	1.47	33.55	87.11	12.83	93.42	0.65
N2	0.07900	2.319	1.493	-0.711	1.61	52.72	44.01	230.00	41.43	2.4
M2	0.08051	6.423	1.724	2.724	1.35	14.94	16.19	212.59	19.12	14
L2	0.08202	2.300	1.338	-1.808	1.74	79.50	145.56	296.47	137.04	3
S2	0.08333	1.296	1.628	-0.486	1.47	33.91	81.91	312.63	88.54	0.63
ETA2	0.08507	1.526	1.716	-0.780	1.36	17.17	116.85	47.05	133.45	0.79
MO3	0.11924	0.337	0.310	0.093	0.31	59.00	69.28	47.46	69.00	1.2
M3	0.12077	0.317	0.310	-0.004	0.31	45.42	53.50	82.76	53.49	1
MK3	0.12229	0.566	0.309	-0.311	0.31	76.34	55.40	95.36	55.14	3.4
SK3	0.12511	0.242	0.309	-0.114	0.31	119.96	116.27	8.95	115.90	0.61
MN4	0.15951	0.516	0.372	-0.018	0.29	163.40	30.68	231.77	38.66	1.9
M4	0.16102	0.810	0.366	-0.280	0.30	157.48	24.57	234.22	28.62	4.9
SN4	0.16233	0.313	0.325	-0.190	0.35	128.36	111.60	191.54	108.42	0.93
MS4	0.16384	0.461	0.294	-0.216	0.37	74.13	61.23	220.33	52.74	2.5
S4	0.16667	0.141	0.325	-0.028	0.35	51.50	149.31	320.50	141.09	0.19
2MK5	0.20280	0.328	0.185	-0.224	0.21	84.52	82.59	78.20	79.25	3.1
2SK5	0.20845	0.141	0.191	-0.111	0.20	61.11	292.54	126.22	288.24	0.55
2MN6	0.24002	0.400	0.190	-0.067	0.18	26.59	24.75	352.65	25.57	4.5
M6	0.24153	0.615	0.190	0.013	0.18	24.10	15.41	5.05	16.01	10
2MS6	0.24436	0.230	0.181	-0.200	0.19	78.03	237.80	89.80	236.07	1.6
2SM6	0.24718	0.194	0.188	-0.074	0.19	38.71	66.60	248.78	67.23	1.1
3MK7	0.28331	0.060	0.129	0.002	0.11	18.15	104.14	157.25	123.74	0.22
M8	0.32205	0.087	0.099	-0.009	0.08	175.22	47.23	175.32	57.34	0.79

total var= 163.7726 pred var= 43.4645  
 percent total var predicted= 26.5 %



file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c5402\_5.txt  
 date: 20-May-2005  
 nobs = 3192, ngood = 3190, record length (days) = 133.00  
 start time: 30-Sep-1998 13:52:30  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 0.23, x trend= 0

var(x)= 100.8348 var(xp)= 74.9469 var(xres)= 25.8878  
 percent var predicted= 74.3 %

x0= 0.862, x trend= 0

var(y)= 53.538 var(yp)= 9.1711 var(yres)= 44.367  
 percent var predicted= 17.1 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	2.238	1.373	0.142	0.69	88.09	17.77	279.94	35.32	2.7
MSF	0.00282	0.674	0.883	-0.099	1.26	152.10	109.65	201.68	78.34	0.58
ALP1	0.03440	0.470	0.382	-0.103	0.35	105.13	52.51	89.80	57.55	1.5
2Q1	0.03571	0.225	0.357	0.121	0.37	145.01	172.72	153.65	168.97	0.4
Q1	0.03722	0.368	0.347	0.187	0.38	162.92	102.94	173.69	97.26	1.1
O1	0.03873	0.924	0.380	-0.160	0.35	69.54	26.80	299.54	29.11	5.9
NO1	0.04027	0.373	0.353	-0.184	0.38	28.38	83.37	138.12	80.19	1.1
K1	0.04178	0.454	0.351	0.160	0.38	25.76	63.09	298.31	59.63	1.7
J1	0.04329	0.315	0.367	-0.245	0.36	131.20	237.07	122.80	237.97	0.74
OO1	0.04483	0.815	0.351	-0.464	0.38	154.05	69.34	168.01	66.85	5.4
UPS1	0.04634	0.518	0.377	-0.197	0.35	63.37	80.65	194.86	84.95	1.9
EPS2	0.07618	0.324	0.286	-0.222	0.24	21.10	97.07	254.17	103.29	1.3
MU2	0.07769	0.212	0.232	0.145	0.29	95.51	162.15	215.96	149.28	0.83
N2	0.07900	2.600	0.290	0.025	0.24	13.85	5.02	154.75	6.18	80
M2	0.08051	11.699	0.290	-0.931	0.24	15.29	1.14	200.84	1.39	1.6e+003
L2	0.08202	0.726	0.289	-0.018	0.24	17.01	19.42	260.01	23.58	6.3
S2	0.08333	1.932	0.291	0.036	0.23	10.66	6.96	232.40	8.66	44
ETA2	0.08507	0.179	0.293	0.058	0.23	173.58	119.56	21.53	143.85	0.38
MO3	0.11924	0.111	0.120	-0.061	0.11	69.47	107.80	264.98	114.22	0.85
M3	0.12077	0.120	0.121	-0.009	0.11	76.22	48.94	333.78	55.59	0.98
MK3	0.12229	0.104	0.106	-0.017	0.12	10.36	73.60	276.39	64.68	0.97
SK3	0.12511	0.252	0.105	-0.078	0.12	176.88	35.02	235.21	31.09	5.7
MN4	0.15951	0.157	0.092	-0.041	0.09	33.18	35.28	97.85	34.99	2.9
M4	0.16102	0.396	0.093	-0.008	0.09	49.57	12.54	117.72	12.58	18
SN4	0.16233	0.053	0.093	0.008	0.09	108.20	99.89	182.84	101.75	0.32
MS4	0.16384	0.256	0.092	-0.107	0.09	34.40	26.36	174.41	26.20	7.7
S4	0.16667	0.115	0.093	-0.027	0.09	110.07	49.84	222.31	50.66	1.5
2MK5	0.20280	0.098	0.072	0.036	0.07	43.75	53.97	281.03	54.09	1.8
2SK5	0.20845	0.107	0.074	-0.007	0.07	179.35	41.16	210.48	43.99	2.1
2MN6	0.24002	0.257	0.069	0.035	0.07	50.74	15.07	324.07	14.45	14
M6	0.24153	0.461	0.074	0.087	0.07	34.80	8.16	358.69	8.75	39
2MS6	0.24436	0.182	0.068	-0.016	0.07	54.35	21.93	52.45	20.48	7.1
2SM6	0.24718	0.050	0.071	-0.022	0.07	134.34	108.01	255.71	107.65	0.49
3MK7	0.28331	0.037	0.053	0.012	0.05	49.43	99.33	326.76	97.20	0.48
M8	0.32205	0.056	0.045	-0.045	0.04	156.70	137.14	185.44	140.57	1.5

total var= 154.3728 pred var= 84.118  
 percent total var predicted= 54.5 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c5522\_5.txt  
 date: 20-May-2005  
 nobs = 2163, ngood = 2147, record length (days) = 90.13  
 start time: 10-Feb-1999 14:52:30  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= -0.995, x trend= 0

var(x)= 131.0243 var(xp)= 87.3339 var(xres)= 43.6904  
 percent var predicted= 66.7 %

x0= -0.499, x trend= 0

var(y)= 105.6545 var(yp)= 15.8578 var(yres)= 89.7967  
 percent var predicted= 15.0 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	2.669	1.847	-0.378	3.01	151.50	66.10	214.18	41.51	2.1
MSF	0.00282	2.590	3.276	-1.357	1.31	104.59	65.83	358.78	102.07	0.63
ALP1	0.03440	0.378	0.685	-0.348	0.80	12.76	1134.58	302.25	1119.56	0.3
2Q1	0.03571	1.048	0.810	-0.135	0.68	90.29	42.80	188.72	50.86	1.7
Q1	0.03722	1.659	0.760	-0.919	0.73	129.40	48.07	321.61	48.95	4.8
O1	0.03873	0.281	0.764	-0.090	0.73	52.87	202.46	270.58	210.52	0.14
NO1	0.04027	0.470	0.801	-0.232	0.69	74.19	142.70	174.07	156.37	0.34
K1	0.04178	2.083	0.809	-1.166	0.68	95.05	35.64	49.29	39.04	6.6
J1	0.04329	0.503	0.754	-0.072	0.74	131.83	94.77	295.16	96.56	0.45
OO1	0.04483	1.328	0.769	-0.778	0.72	124.94	89.33	93.43	92.02	3
UPS1	0.04634	1.162	0.807	-0.848	0.68	80.34	151.82	242.93	159.73	2.1
EPS2	0.07618	0.623	0.684	-0.495	0.65	161.78	196.42	143.89	199.01	0.83
MU2	0.07769	0.561	0.651	0.119	0.68	62.42	71.16	102.11	68.53	0.74
N2	0.07900	2.305	0.684	-0.531	0.65	18.18	16.90	182.63	17.80	11
M2	0.08051	12.367	0.686	-1.781	0.64	14.47	2.99	194.85	3.18	3.3e+002
L2	0.08202	0.443	0.660	-0.215	0.67	51.16	121.50	293.26	120.35	0.45
S2	0.08333	2.698	0.686	-0.462	0.64	13.69	14.33	241.63	15.23	15
ETA2	0.08507	0.540	0.665	-0.325	0.67	134.61	162.95	258.39	162.87	0.66
MO3	0.11924	0.174	0.253	0.004	0.26	167.45	97.73	130.97	93.99	0.47
M3	0.12077	0.120	0.258	-0.007	0.26	137.32	118.74	239.97	118.33	0.22
MK3	0.12229	0.373	0.254	-0.111	0.26	161.59	48.89	4.40	47.50	2.2
SK3	0.12511	0.337	0.253	-0.096	0.26	171.47	55.18	80.58	53.29	1.8
MN4	0.15951	0.187	0.216	-0.128	0.19	56.48	131.48	165.26	136.82	0.75
M4	0.16102	0.614	0.210	-0.108	0.20	50.01	18.46	117.58	19.32	8.6
SN4	0.16233	0.227	0.178	-0.077	0.23	14.24	65.46	306.76	53.70	1.6
MS4	0.16384	0.262	0.218	-0.043	0.19	58.99	42.45	181.04	48.13	1.4
S4	0.16667	0.180	0.185	0.027	0.22	155.88	73.55	101.83	61.40	0.95
2MK5	0.20280	0.148	0.117	-0.033	0.14	111.32	58.77	32.31	50.63	1.6
2SK5	0.20845	0.129	0.119	0.093	0.14	64.05	162.79	215.32	155.90	1.2
2MN6	0.24002	0.230	0.132	0.082	0.13	45.83	36.81	354.76	36.78	3
M6	0.24153	0.448	0.132	0.118	0.13	45.80	17.27	14.84	17.25	11
2MS6	0.24436	0.280	0.131	-0.026	0.13	68.60	26.20	72.61	25.61	4.6
2SM6	0.24718	0.159	0.130	-0.092	0.13	101.37	81.73	71.47	80.56	1.5
3MK7	0.28331	0.065	0.094	0.010	0.08	92.92	73.17	179.98	85.25	0.48
M8	0.32205	0.117	0.064	-0.016	0.06	173.85	29.19	133.21	28.61	3.4

total var= 236.6788 pred var= 103.1917  
 percent total var predicted= 43.6 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c5691\_5.txt  
 date: 20-May-2005  
 nobs = 3180, ngood = 3179, record length (days) = 132.50  
 start time: 11-May-1999 15:52:30  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= -0.936, x trend= 0

var(x)= 98.3815 var(xp)= 41.4778 var(xres)= 56.9037  
 percent var predicted= 42.2 %

x0= 1.6, x trend= 0

var(y)= 84.1253 var(yp)= 6.8962 var(yres)= 77.2291  
 percent var predicted= 8.2 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	0.800	1.724	0.207	1.59	101.36	127.07	8.47	136.05	0.22
MSF	0.00282	0.872	1.729	0.629	1.59	95.13	276.64	18.65	283.99	0.25
ALP1	0.03440	0.409	0.545	0.124	0.51	57.31	92.08	25.77	96.96	0.56
2Q1	0.03571	0.671	0.494	0.025	0.56	14.46	52.88	87.72	46.40	1.8
Q1	0.03722	1.016	0.502	-0.195	0.56	23.49	36.86	279.43	33.53	4.1
O1	0.03873	0.686	0.523	0.197	0.54	139.34	57.49	170.46	56.40	1.7
NO1	0.04027	0.945	0.562	-0.368	0.49	74.43	50.43	87.99	55.40	2.8
K1	0.04178	1.493	0.538	-0.729	0.52	128.83	31.69	82.61	32.31	7.7
J1	0.04329	0.588	0.555	-0.366	0.50	114.26	103.09	86.12	107.67	1.1
OO1	0.04483	0.901	0.567	-0.537	0.49	90.83	96.00	112.00	103.04	2.5
UPS1	0.04634	0.351	0.531	0.213	0.53	46.16	247.52	274.37	248.21	0.44
EPS2	0.07618	0.399	0.806	-0.247	0.94	83.71	229.69	340.43	214.79	0.25
MU2	0.07769	0.670	0.804	-0.261	0.94	91.24	95.94	290.21	85.62	0.69
N2	0.07900	1.976	0.925	0.049	0.82	19.70	23.15	162.11	26.09	4.6
M2	0.08051	8.355	0.933	1.289	0.81	167.15	5.64	353.03	6.44	80
L2	0.08202	0.955	0.857	-0.222	0.89	52.41	52.50	271.38	50.67	1.2
S2	0.08333	1.569	0.934	0.214	0.81	167.60	30.59	21.90	35.03	2.8
ETA2	0.08507	1.097	0.930	-0.855	0.81	15.37	172.66	248.77	178.35	1.4
MO3	0.11924	0.468	0.371	-0.161	0.38	106.66	61.30	49.44	60.42	1.6
M3	0.12077	0.369	0.370	-0.242	0.38	89.41	117.89	69.55	116.87	0.99
MK3	0.12229	0.835	0.371	-0.541	0.38	65.38	55.67	63.48	55.35	5.1
SK3	0.12511	0.319	0.378	-0.227	0.37	172.18	180.04	322.97	181.28	0.71
MN4	0.15951	0.507	0.300	-0.143	0.32	177.83	37.97	244.97	36.40	2.9
M4	0.16102	0.746	0.301	-0.111	0.31	165.96	23.67	265.43	22.70	6.1
SN4	0.16233	0.207	0.312	-0.014	0.30	117.31	82.26	86.90	84.64	0.44
MS4	0.16384	0.279	0.304	0.003	0.31	150.37	62.52	297.75	60.95	0.84
S4	0.16667	0.198	0.301	-0.095	0.32	10.37	130.24	21.75	126.50	0.43
2MK5	0.20280	0.156	0.141	-0.074	0.14	109.16	76.68	336.95	76.10	1.2
2SK5	0.20845	0.076	0.142	0.003	0.14	63.83	116.19	327.88	115.11	0.29
2MN6	0.24002	0.432	0.133	0.024	0.13	34.21	16.26	301.39	16.31	11
M6	0.24153	0.591	0.133	-0.059	0.13	41.42	12.04	4.86	12.06	20
2MS6	0.24436	0.153	0.133	0.053	0.13	9.44	56.40	77.73	56.73	1.3
2SM6	0.24718	0.210	0.133	-0.064	0.13	35.59	40.62	159.64	40.70	2.5
3MK7	0.28331	0.142	0.091	-0.019	0.08	177.72	31.26	284.83	37.71	2.4
M8	0.32205	0.170	0.072	-0.069	0.06	0.12	25.47	8.72	27.74	5.6

total var= 182.5067 pred var= 48.374  
 percent total var predicted= 26.5 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c5911\_5.txt  
 date: 20-May-2005  
 nobs = 3526, ngood = 3516, record length (days) = 146.92  
 start time: 21-Sep-1999 15:50:00  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 0.434, x trend= 0

var(x)= 92.4218 var(xp)= 75.2283 var(xres)= 17.1935  
 percent var predicted= 81.4 %

x0= 1.17, x trend= 0

var(y)= 48.2238 var(yp)= 6.2471 var(yres)= 41.9767  
 percent var predicted= 13.0 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.487	1.276	-1.026	0.87	108.32	91.15	269.18	103.67	1.4
MSF	0.00282	0.569	1.144	-0.278	1.04	50.99	156.22	102.32	165.45	0.25
ALP1	0.03440	0.124	0.287	0.041	0.31	30.34	182.75	280.09	172.05	0.19
2Q1	0.03571	0.234	0.276	-0.127	0.32	8.03	131.82	254.18	121.65	0.72
Q1	0.03722	0.567	0.297	-0.364	0.30	137.15	66.46	164.03	66.14	3.6
O1	0.03873	0.676	0.275	0.156	0.32	0.16	32.39	283.30	28.19	6
NO1	0.04027	0.400	0.277	-0.023	0.32	11.09	78.94	265.89	68.47	2.1
K1	0.04178	0.983	0.276	-0.005	0.32	8.07	19.85	299.32	17.11	13
J1	0.04329	0.399	0.293	-0.115	0.30	38.07	50.83	156.43	49.27	1.9
OO1	0.04483	0.451	0.297	-0.145	0.30	42.98	74.71	271.14	74.06	2.3
UPS1	0.04634	0.158	0.309	-0.074	0.29	122.23	219.87	10.95	229.44	0.26
EPS2	0.07618	0.253	0.229	-0.094	0.22	31.43	56.56	21.61	58.94	1.2
MU2	0.07769	0.338	0.235	-0.157	0.21	7.40	49.13	146.62	52.95	2.1
N2	0.07900	2.972	0.233	-0.182	0.21	18.83	4.02	171.83	4.42	1.6e+002
M2	0.08051	11.590	0.234	-0.752	0.21	13.29	1.02	201.17	1.14	2.4e+003
L2	0.08202	0.634	0.233	-0.255	0.21	18.56	21.17	235.50	22.68	7.4
S2	0.08333	1.971	0.235	-0.067	0.21	12.74	6.14	230.24	6.84	71
ETA2	0.08507	0.233	0.234	-0.008	0.21	14.10	57.73	344.73	64.16	0.99
MO3	0.11924	0.197	0.095	-0.100	0.10	179.08	45.21	183.81	45.01	4.3
M3	0.12077	0.056	0.095	0.032	0.10	149.37	161.67	240.50	161.38	0.35
MK3	0.12229	0.113	0.095	0.009	0.10	57.96	50.43	265.84	50.59	1.4
SK3	0.12511	0.141	0.095	-0.052	0.10	118.47	50.65	210.70	50.81	2.2
MN4	0.15951	0.305	0.086	-0.038	0.09	29.12	16.41	96.06	15.87	12
M4	0.16102	0.520	0.086	-0.066	0.09	26.31	9.67	118.77	9.30	36
SN4	0.16233	0.092	0.085	-0.003	0.09	1.29	55.79	197.59	52.23	1.2
MS4	0.16384	0.233	0.085	-0.018	0.09	5.66	22.07	158.20	20.70	7.5
S4	0.16667	0.082	0.088	-0.012	0.09	139.39	64.47	194.39	63.85	0.87
2MK5	0.20280	0.151	0.060	0.036	0.06	82.54	27.00	221.21	25.41	6.3
2SK5	0.20845	0.086	0.060	0.017	0.06	88.08	48.25	135.07	45.21	2.1
2MN6	0.24002	0.255	0.077	0.047	0.07	35.64	15.69	324.03	17.04	11
M6	0.24153	0.495	0.077	0.086	0.07	35.62	8.04	357.67	8.74	41
2MS6	0.24436	0.252	0.078	0.018	0.07	33.42	15.40	50.38	17.14	10
2SM6	0.24718	0.071	0.077	0.002	0.07	37.70	56.62	84.70	60.66	0.86
3MK7	0.28331	0.076	0.056	0.006	0.05	39.06	40.69	27.39	41.84	1.9
M8	0.32205	0.099	0.045	0.010	0.04	169.29	21.76	90.61	24.34	4.7

total var= 140.6455 pred var= 81.4753  
 percent total var predicted= 57.9 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6111\_5.txt  
 date: 20-May-2005  
 nobs = 2012, ngood = 2010, record length (days) = 83.83  
 start time: 15-Feb-2000 16:52:30  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 1.26, x trend= 0

var(x)= 122.428 var(xp)= 90.0556 var(xres)= 32.3724  
 percent var predicted= 73.6 %

x0= -1.42, x trend= 0

var(y)= 63.3636 var(yp)= 18.0805 var(yres)= 45.2831  
 percent var predicted= 28.5 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	4.762	1.663	-0.876	1.73	90.31	21.93	344.60	21.09	8.2
MSF	0.00282	1.617	1.666	0.458	1.73	79.25	69.13	133.60	66.88	0.94
ALP1	0.03440	0.222	0.662	-0.128	0.80	3.00	365.24	266.82	332.78	0.11
2Q1	0.03571	0.719	0.775	-0.182	0.69	64.16	64.07	278.40	70.98	0.86
Q1	0.03722	0.204	0.772	-0.125	0.69	62.51	400.95	175.32	421.10	0.07
O1	0.03873	0.698	0.698	-0.334	0.77	150.45	96.25	123.60	90.61	1
NO1	0.04027	1.614	0.794	-1.161	0.67	102.57	139.71	40.35	147.46	4.1
K1	0.04178	0.665	0.780	-0.315	0.68	66.92	90.95	19.44	98.74	0.73
J1	0.04329	0.745	0.662	-0.277	0.80	3.21	74.99	163.83	65.07	1.3
OO1	0.04483	1.145	0.791	-0.379	0.67	105.46	66.40	96.85	75.59	2.1
UPS1	0.04634	1.008	0.789	-0.576	0.67	107.08	95.40	93.31	103.22	1.6
EPS2	0.07618	0.522	0.340	0.317	0.43	30.72	76.07	65.48	68.43	2.4
MU2	0.07769	0.549	0.436	-0.224	0.33	62.38	45.26	330.13	55.10	1.6
N2	0.07900	2.845	0.315	-0.024	0.45	22.63	8.86	172.88	6.25	81
M2	0.08051	12.499	0.286	-1.790	0.47	8.77	2.15	200.31	1.35	1.9e+003
L2	0.08202	0.958	0.281	-0.331	0.47	176.21	26.69	97.01	18.07	12
S2	0.08333	2.313	0.282	-0.130	0.47	174.73	11.66	49.03	7.04	67
ETA2	0.08507	0.443	0.405	-0.011	0.37	129.04	50.20	23.87	55.40	1.2
MO3	0.11924	0.336	0.213	0.055	0.21	137.60	40.23	160.79	39.97	2.5
M3	0.12077	0.342	0.214	-0.167	0.21	133.96	50.53	61.13	50.61	2.6
MK3	0.12229	0.290	0.221	-0.079	0.20	89.26	46.99	67.58	50.23	1.7
SK3	0.12511	0.170	0.205	-0.129	0.22	3.48	227.20	196.11	222.58	0.69
MN4	0.15951	0.235	0.165	-0.113	0.14	74.72	48.59	101.68	54.33	2
M4	0.16102	0.719	0.138	0.066	0.16	16.60	12.78	111.54	10.77	27
SN4	0.16233	0.236	0.167	0.018	0.14	83.13	32.94	133.80	40.26	2
MS4	0.16384	0.289	0.138	-0.163	0.17	166.14	52.32	334.95	47.61	4.4
S4	0.16667	0.124	0.160	-0.069	0.14	120.43	114.11	300.79	120.27	0.61
2MK5	0.20280	0.284	0.104	0.023	0.10	6.82	19.93	194.90	21.41	7.5
2SK5	0.20845	0.163	0.104	-0.033	0.10	17.29	38.64	136.45	40.87	2.5
2MN6	0.24002	0.231	0.141	0.074	0.11	32.36	31.67	355.91	38.16	2.7
M6	0.24153	0.669	0.141	0.021	0.11	32.31	9.09	359.84	11.45	22
2MS6	0.24436	0.223	0.119	0.090	0.14	52.50	42.62	85.73	38.59	3.5
2SM6	0.24718	0.094	0.105	0.067	0.15	116.44	202.59	85.75	182.63	0.8
3MK7	0.28331	0.096	0.088	-0.028	0.08	32.37	54.82	286.82	59.08	1.2
M8	0.32205	0.079	0.069	-0.017	0.07	38.10	48.74	319.58	49.19	1.3

total var= 185.7916 pred var= 108.136  
 percent total var predicted= 58.2 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6251\_5.txt  
 date: 20-May-2005  
 nobs = 3359, ngood = 3358, record length (days) = 139.96  
 start time: 09-May-2000 14:52:30  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= -0.966, x trend= 0

var(x)= 123.0654 var(xp)= 46.362 var(xres)= 76.7033  
 percent var predicted= 37.7 %

x0= 2.47, x trend= 0

var(y)= 141.2565 var(yp)= 6.1589 var(yres)= 135.0976  
 percent var predicted= 4.4 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.204	4.144	-0.694	1.50	100.95	200.81	292.75	301.54	0.084
MSF	0.00282	1.779	3.095	-0.197	3.14	135.47	102.88	253.79	101.54	0.33
ALP1	0.03440	0.467	0.534	-0.156	0.57	12.17	85.54	79.12	81.69	0.76
2Q1	0.03571	0.382	0.550	-0.107	0.55	44.24	95.46	275.08	95.32	0.48
Q1	0.03722	0.426	0.552	-0.263	0.55	132.29	146.93	296.34	147.33	0.6
O1	0.03873	0.599	0.540	-0.226	0.56	153.62	70.39	141.99	68.39	1.2
NO1	0.04027	1.880	0.533	-0.514	0.57	172.06	42.78	158.63	40.59	12
K1	0.04178	1.900	0.545	-0.933	0.56	143.71	25.42	82.95	25.12	12
J1	0.04329	0.507	0.551	0.032	0.55	134.08	61.55	117.96	61.68	0.85
OO1	0.04483	0.283	0.551	0.147	0.55	133.27	261.94	227.63	262.52	0.26
UPS1	0.04634	0.866	0.567	-0.219	0.53	81.47	50.87	281.11	53.65	2.3
EPS2	0.07618	0.818	0.988	-0.425	0.79	160.18	83.19	13.84	94.79	0.69
MU2	0.07769	1.769	1.008	-0.998	0.76	9.95	43.61	177.77	50.35	3.1
N2	0.07900	2.783	1.007	-0.503	0.76	10.53	16.45	163.60	21.39	7.6
M2	0.08051	8.396	1.010	1.088	0.76	8.49	5.25	190.55	6.93	69
L2	0.08202	0.722	0.843	-0.002	0.94	124.36	60.45	357.75	54.32	0.73
S2	0.08333	1.729	1.011	-0.228	0.76	7.61	25.88	219.09	34.27	2.9
ETA2	0.08507	0.736	0.805	-0.569	0.97	64.69	225.37	67.62	215.06	0.84
MO3	0.11924	0.436	0.269	-0.231	0.29	106.77	61.29	55.28	58.87	2.6
M3	0.12077	0.403	0.285	-0.124	0.27	28.04	43.89	157.55	45.67	2
MK3	0.12229	0.490	0.268	-0.193	0.29	75.81	43.49	107.29	41.14	3.3
SK3	0.12511	0.346	0.267	-0.053	0.29	90.35	51.59	110.44	47.51	1.7
MN4	0.15951	0.404	0.266	-0.165	0.22	169.26	40.79	242.10	46.51	2.3
M4	0.16102	1.002	0.267	-0.274	0.22	4.32	13.87	97.80	16.41	14
SN4	0.16233	0.112	0.224	-0.038	0.26	106.53	155.71	309.15	136.46	0.25
MS4	0.16384	0.236	0.265	-0.019	0.22	164.97	53.96	335.95	63.88	0.79
S4	0.16667	0.075	0.268	0.013	0.22	2.75	177.77	264.26	213.92	0.078
2MK5	0.20280	0.115	0.149	-0.054	0.14	169.20	101.98	308.55	104.94	0.59
2SK5	0.20845	0.106	0.144	-0.067	0.15	60.45	159.99	220.49	158.28	0.55
2MN6	0.24002	0.554	0.138	-0.102	0.14	41.52	14.55	329.71	14.41	16
M6	0.24153	0.531	0.142	0.013	0.14	59.23	14.01	22.20	14.58	14
2MS6	0.24436	0.225	0.141	-0.052	0.14	53.95	36.80	18.70	37.65	2.6
2SM6	0.24718	0.086	0.136	0.030	0.14	29.86	111.14	354.69	107.55	0.4
3MK7	0.28331	0.051	0.093	0.002	0.09	50.25	105.03	100.89	103.95	0.3
M8	0.32205	0.107	0.065	-0.005	0.06	135.71	32.33	118.18	32.43	2.8

total var= 264.3219 pred var= 52.521  
 percent total var predicted= 19.9 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6301\_5.txt  
 date: 20-May-2005  
 nobs = 3362, ngood = 3360, record length (days) = 140.08  
 start time: 26-Sep-2000 13:50:00  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 0.8, x trend= 0

var(x)= 75.1383 var(xp)= 52.4123 var(xres)= 22.726  
 percent var predicted= 69.8 %

x0= -3.38, x trend= 0

var(y)= 53.8514 var(yp)= 19.5811 var(yres)= 34.2702  
 percent var predicted= 36.4 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	0.894	1.115	-0.378	1.14	84.94	96.21	24.64	94.84	0.64
MSF	0.00282	0.641	1.122	-0.402	1.13	55.60	195.80	181.98	195.15	0.33
ALP1	0.03440	0.328	0.267	-0.020	0.37	166.66	65.62	24.25	47.91	1.5
2Q1	0.03571	0.185	0.294	0.014	0.35	31.01	107.76	306.74	91.77	0.4
Q1	0.03722	0.154	0.263	-0.040	0.37	170.99	153.17	245.75	114.29	0.34
O1	0.03873	0.524	0.266	0.080	0.37	12.08	42.68	255.03	31.35	3.9
NO1	0.04027	0.526	0.343	-0.426	0.30	122.61	211.19	177.02	217.59	2.3
K1	0.04178	0.711	0.371	-0.073	0.26	84.56	21.94	293.91	30.92	3.7
J1	0.04329	0.270	0.262	0.059	0.37	172.38	80.44	247.24	58.94	1.1
OO1	0.04483	0.567	0.370	-0.189	0.26	97.16	43.27	297.81	56.85	2.3
UPS1	0.04634	0.212	0.372	-0.102	0.26	90.15	130.70	44.01	162.35	0.33
EPS2	0.07618	0.363	0.295	0.034	0.42	160.65	62.00	329.66	44.02	1.5
MU2	0.07769	0.521	0.356	-0.249	0.37	137.03	56.11	268.68	55.05	2.1
N2	0.07900	2.168	0.306	-0.215	0.41	24.56	10.88	169.58	8.19	50
M2	0.08051	11.182	0.321	-0.871	0.40	30.44	2.03	190.40	1.65	1.2e+003
L2	0.08202	0.411	0.371	-0.264	0.35	48.52	83.85	191.94	85.71	1.2
S2	0.08333	1.733	0.318	0.018	0.40	29.04	13.25	221.52	10.51	30
ETA2	0.08507	0.311	0.298	-0.115	0.42	20.91	87.68	314.36	68.38	1.1
MO3	0.11924	0.205	0.171	-0.064	0.14	97.65	48.35	123.94	55.59	1.4
M3	0.12077	0.103	0.148	0.055	0.17	156.79	140.54	356.32	131.38	0.49
MK3	0.12229	0.219	0.145	-0.088	0.17	165.80	56.51	163.84	50.56	2.3
SK3	0.12511	0.150	0.144	0.014	0.17	169.56	67.22	300.01	57.18	1.1
MN4	0.15951	0.348	0.155	-0.063	0.13	64.22	22.72	92.81	26.20	5
M4	0.16102	0.693	0.158	-0.168	0.13	72.14	11.58	116.97	13.82	19
SN4	0.16233	0.098	0.149	0.045	0.14	53.67	113.97	108.37	119.47	0.43
MS4	0.16384	0.356	0.160	-0.049	0.13	98.29	20.82	145.64	26.15	4.9
S4	0.16667	0.134	0.144	-0.098	0.14	135.20	163.50	328.73	163.42	0.87
2MK5	0.20280	0.069	0.123	0.007	0.10	77.32	82.01	105.63	103.16	0.31
2SK5	0.20845	0.082	0.106	-0.056	0.12	34.09	183.45	277.76	177.25	0.6
2MN6	0.24002	0.307	0.138	-0.065	0.11	65.65	22.41	313.49	26.65	4.9
M6	0.24153	0.706	0.138	0.106	0.11	64.63	9.36	349.79	11.14	26
2MS6	0.24436	0.346	0.136	-0.001	0.12	60.68	18.98	15.01	22.03	6.5
2SM6	0.24718	0.117	0.144	0.001	0.11	87.33	52.11	33.11	69.75	0.66
3MK7	0.28331	0.073	0.105	-0.005	0.09	106.43	70.34	27.41	82.02	0.48
M8	0.32205	0.213	0.089	-0.036	0.07	83.95	19.74	337.48	23.78	5.7

total var= 128.9897 pred var= 71.9934  
 percent total var predicted= 55.8 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6381\_5.txt  
 date: 20-May-2005  
 nobs = 2400, ngood = 2396, record length (days) = 100.00  
 start time: 13-Feb-2001 16:22:30  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 0.831, x trend= 0

var(x)= 110.7276 var(xp)= 61.9737 var(xres)= 48.7539  
 percent var predicted= 56.0 %

x0= -2.16, x trend= 0

var(y)= 95.7888 var(yp)= 14.5596 var(yres)= 81.2292  
 percent var predicted= 15.2 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	2.475	2.707	0.054	3.38	151.16	78.29	249.75	62.70	0.84
MSF	0.00282	1.941	3.368	-0.229	2.72	60.42	82.34	35.35	101.26	0.33
ALP1	0.03440	0.599	0.666	-0.110	0.73	13.60	73.49	156.24	67.51	0.81
2Q1	0.03571	0.305	0.733	-0.030	0.66	89.54	123.69	48.36	136.76	0.17
Q1	0.03722	0.874	0.699	-0.612	0.70	134.56	109.77	76.02	109.83	1.6
O1	0.03873	0.510	0.707	-0.113	0.69	127.75	84.50	356.77	86.48	0.52
NO1	0.04027	0.635	0.688	-0.193	0.71	36.01	89.35	350.17	87.04	0.85
K1	0.04178	1.873	0.732	-0.979	0.66	98.76	32.49	36.88	34.35	6.5
J1	0.04329	0.495	0.723	-0.198	0.67	112.72	95.93	25.33	101.04	0.47
OO1	0.04483	0.742	0.682	-0.291	0.71	31.25	78.68	6.52	76.01	1.2
UPS1	0.04634	0.313	0.683	0.137	0.71	32.25	186.88	264.42	181.39	0.21
EPS2	0.07618	0.570	0.564	-0.417	0.54	159.27	137.71	31.52	139.20	1
MU2	0.07769	0.617	0.541	-0.071	0.57	99.07	52.40	284.09	50.15	1.3
N2	0.07900	2.561	0.558	-0.469	0.55	34.50	12.87	163.41	13.08	21
M2	0.08051	10.911	0.564	-0.346	0.54	19.65	2.84	195.53	2.94	3.7e+002
L2	0.08202	1.378	0.558	-0.907	0.55	35.04	42.80	283.89	43.08	6.1
S2	0.08333	2.025	0.565	0.573	0.54	14.36	17.39	225.63	18.02	13
ETA2	0.08507	0.425	0.561	-0.080	0.55	28.24	71.88	167.01	73.65	0.57
MO3	0.11924	0.197	0.249	-0.010	0.26	37.69	75.81	240.36	72.93	0.63
M3	0.12077	0.259	0.238	-0.091	0.27	19.24	70.17	132.81	63.87	1.2
MK3	0.12229	0.424	0.239	-0.152	0.27	159.54	43.68	5.67	39.92	3.2
SK3	0.12511	0.322	0.255	0.083	0.25	46.81	50.11	113.13	50.54	1.6
MN4	0.15951	0.418	0.218	-0.011	0.21	79.54	29.09	76.05	29.62	3.7
M4	0.16102	0.975	0.217	-0.198	0.22	53.47	13.29	97.70	13.36	20
SN4	0.16233	0.442	0.218	-0.099	0.21	103.79	29.94	222.15	30.41	4.1
MS4	0.16384	0.329	0.218	-0.061	0.22	65.78	39.14	139.45	39.61	2.3
S4	0.16667	0.127	0.217	0.054	0.22	55.80	127.99	85.00	128.63	0.34
2MK5	0.20280	0.148	0.145	-0.012	0.14	20.09	53.60	71.85	56.55	1
2SK5	0.20845	0.054	0.146	-0.015	0.14	164.35	166.24	312.32	175.08	0.14
2MN6	0.24002	0.413	0.147	0.040	0.15	47.01	20.28	321.43	20.27	7.9
M6	0.24153	0.658	0.147	0.086	0.15	56.47	12.85	357.75	12.81	20
2MS6	0.24436	0.422	0.147	-0.013	0.15	56.44	19.70	46.07	19.65	8.3
2SM6	0.24718	0.116	0.147	0.027	0.15	72.16	78.46	87.02	78.06	0.63
3MK7	0.28331	0.093	0.106	-0.024	0.11	19.12	71.38	16.70	71.16	0.77
M8	0.32205	0.088	0.079	0.059	0.08	84.58	106.63	332.85	107.31	1.2

total var= 206.5164 pred var= 76.5333  
 percent total var predicted= 37.1 %



file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6451\_5.txt  
 date: 20-May-2005  
 nobs = 3672, ngood = 3628, record length (days) = 153.00  
 start time: 23-May-2001 14:35:00  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= -1.54, x trend= 0

var(x)= 93.0685 var(xp)= 43.1778 var(xres)= 49.8907  
 percent var predicted= 46.4 %

x0= -0.353, x trend= 0

var(y)= 130.2599 var(yp)= 8.0875 var(yres)= 122.1724  
 percent var predicted= 6.2 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	0.401	1.173	-0.262	1.59	152.85	438.39	200.54	389.15	0.12
MSF	0.00282	1.667	1.662	0.559	1.07	72.89	46.59	231.72	65.86	1
ALP1	0.03440	0.236	0.579	0.092	0.60	39.92	181.39	175.96	176.12	0.17
2Q1	0.03571	0.499	0.611	0.115	0.57	126.21	68.25	305.04	72.58	0.67
Q1	0.03722	0.407	0.606	-0.152	0.58	128.24	98.98	56.94	103.01	0.45
O1	0.03873	0.935	0.654	-0.336	0.52	90.40	39.81	226.42	47.49	2
NO1	0.04027	0.600	0.638	-0.327	0.54	68.41	83.23	125.63	91.03	0.88
K1	0.04178	1.657	0.644	0.342	0.53	106.74	19.70	60.10	23.47	6.6
J1	0.04329	0.498	0.633	0.105	0.55	65.32	63.83	316.48	73.09	0.62
OO1	0.04483	0.259	0.537	0.015	0.64	160.12	137.71	32.30	115.65	0.23
UPS1	0.04634	0.346	0.548	-0.136	0.63	154.20	125.75	20.16	113.40	0.4
EPS2	0.07618	0.303	0.978	-0.092	0.85	102.74	177.82	112.62	199.94	0.096
MU2	0.07769	0.729	0.917	0.107	0.92	45.14	73.24	306.47	73.30	0.63
N2	0.07900	2.018	0.842	0.121	0.98	2.31	28.00	186.27	23.98	5.7
M2	0.08051	8.547	0.844	-1.721	0.98	174.42	6.95	2.84	6.03	1e+002
L2	0.08202	0.592	0.959	-0.158	0.87	63.74	92.69	57.78	100.62	0.38
S2	0.08333	1.970	0.878	-1.275	0.95	29.02	55.54	200.50	53.70	5
ETA2	0.08507	0.583	0.974	-0.009	0.86	106.85	75.28	339.92	85.73	0.36
MO3	0.11924	0.361	0.393	-0.217	0.33	120.58	99.54	176.35	107.97	0.85
M3	0.12077	0.362	0.377	0.132	0.35	128.65	67.95	16.51	72.18	0.92
MK3	0.12229	0.789	0.353	-0.009	0.37	139.06	26.71	321.48	25.39	5
SK3	0.12511	0.363	0.411	0.141	0.31	108.58	63.91	40.68	79.14	0.78
MN4	0.15951	0.442	0.372	-0.160	0.35	56.63	55.67	304.97	58.25	1.4
M4	0.16102	0.584	0.381	-0.164	0.34	70.44	37.65	24.31	41.58	2.3
SN4	0.16233	0.235	0.373	0.151	0.35	121.29	174.55	205.58	179.62	0.4
MS4	0.16384	0.652	0.383	0.057	0.34	106.44	29.92	88.16	33.88	2.9
S4	0.16667	0.305	0.366	0.158	0.36	130.13	104.22	214.27	105.74	0.69
2MK5	0.20280	0.688	0.235	-0.041	0.15	93.75	12.22	187.08	19.40	8.6
2SK5	0.20845	0.118	0.196	-0.089	0.20	135.52	273.86	165.97	273.26	0.36
2MN6	0.24002	0.367	0.162	0.065	0.21	169.95	34.04	142.20	26.44	5.2
M6	0.24153	0.599	0.168	0.292	0.21	21.74	27.60	13.91	24.33	13
2MS6	0.24436	0.111	0.179	0.044	0.20	35.50	126.97	54.11	118.76	0.38
2SM6	0.24718	0.111	0.167	0.089	0.21	158.99	346.55	1.53	330.83	0.44
3MK7	0.28331	0.227	0.141	-0.047	0.14	49.16	36.29	76.89	37.15	2.6
M8	0.32205	0.249	0.124	0.045	0.09	72.46	21.41	358.50	29.35	4

total var= 223.3284 pred var= 51.2653  
 percent total var predicted= 23.0 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6651\_5.txt  
 date: 20-May-2005  
 nobs = 2541, ngood = 2532, record length (days) = 105.88  
 start time: 23-Oct-2001 16:52:30  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= -1.9, x trend= 0

var(x)= 31.6082 var(xp)= 3.2419 var(xres)= 28.3663  
 percent var predicted= 10.3 %

x0= 0.299, x trend= 0

var(y)= 95.3344 var(yp)= 75.8946 var(yres)= 19.4398  
 percent var predicted= 79.6 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	2.126	1.727	0.065	1.56	139.93	42.20	48.75	46.61	1.5
MSF	0.00282	0.890	2.054	-0.015	1.10	8.36	70.81	331.15	132.29	0.19
ALP1	0.03440	0.378	0.357	0.101	0.34	144.19	56.24	71.56	58.30	1.1
2Q1	0.03571	0.281	0.326	-0.110	0.37	90.64	89.19	292.70	80.95	0.74
Q1	0.03722	0.342	0.368	-0.089	0.33	162.02	59.38	59.00	65.17	0.86
O1	0.03873	0.705	0.328	0.144	0.37	102.80	31.03	120.49	27.81	4.6
NO1	0.04027	0.355	0.348	-0.019	0.35	133.33	45.37	235.33	45.02	1
K1	0.04178	0.779	0.328	-0.109	0.37	101.37	27.42	110.55	24.39	5.7
J1	0.04329	0.336	0.344	-0.106	0.35	51.28	66.08	96.92	64.55	0.95
OO1	0.04483	0.387	0.372	-0.268	0.33	177.80	99.10	216.18	103.80	1.1
UPS1	0.04634	0.429	0.371	0.000	0.33	172.03	38.10	268.45	43.27	1.3
EPS2	0.07618	0.204	0.419	-0.189	0.25	10.15	862.43	344.00	895.77	0.24
MU2	0.07769	0.471	0.311	-0.171	0.37	124.82	54.22	78.90	47.15	2.3
N2	0.07900	2.029	0.238	0.076	0.42	89.92	11.97	349.22	6.74	73
M2	0.08051	11.948	0.238	-0.862	0.42	89.81	2.05	21.83	1.16	2.5e+003
L2	0.08202	0.538	0.294	0.227	0.39	60.68	59.41	47.50	49.07	3.4
S2	0.08333	1.307	0.249	0.076	0.42	78.30	18.37	51.20	10.98	28
ETA2	0.08507	0.311	0.348	-0.004	0.34	136.46	54.66	166.61	56.12	0.8
MO3	0.11924	0.152	0.136	-0.113	0.16	121.50	154.56	107.73	148.87	1.2
M3	0.12077	0.088	0.129	0.033	0.16	70.45	128.33	186.01	108.10	0.47
MK3	0.12229	0.147	0.136	0.004	0.16	121.57	59.65	49.33	52.29	1.2
SK3	0.12511	0.085	0.163	0.031	0.13	162.59	107.23	106.26	129.05	0.27
MN4	0.15951	0.377	0.154	0.047	0.16	132.80	24.16	287.64	23.96	6
M4	0.16102	0.950	0.156	-0.018	0.15	140.62	9.24	317.00	9.44	37
SN4	0.16233	0.146	0.160	-0.007	0.15	26.64	58.57	230.63	62.70	0.84
MS4	0.16384	0.130	0.155	-0.007	0.15	136.58	68.11	31.14	68.54	0.7
S4	0.16667	0.147	0.152	-0.000	0.16	127.26	61.19	281.39	59.35	0.93
2MK5	0.20280	0.112	0.105	-0.008	0.10	52.10	51.82	318.83	53.11	1.1
2SK5	0.20845	0.107	0.108	-0.064	0.10	77.97	94.80	236.44	99.13	0.99
2MN6	0.24002	0.278	0.135	0.016	0.13	109.47	26.02	138.83	27.87	4.3
M6	0.24153	0.536	0.134	0.099	0.13	113.67	14.26	201.27	15.08	16
2MS6	0.24436	0.179	0.132	0.029	0.13	124.34	42.68	215.74	44.00	1.8
2SM6	0.24718	0.123	0.131	0.065	0.13	132.32	95.47	256.28	95.91	0.88
3MK7	0.28331	0.147	0.078	-0.069	0.08	130.44	41.56	321.72	41.99	3.6
M8	0.32205	0.093	0.066	-0.030	0.06	168.58	42.71	233.91	47.34	2

total var= 126.9426 pred var= 79.1365  
 percent total var predicted= 62.3 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6831\_5.txt  
 date: 20-May-2005  
 nobs = 2492, ngood = 2471, record length (days) = 103.83  
 start time: 06-Feb-2002 15:52:30  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 0.493, x trend= 0

var(x)= 108.7145 var(xp)= 73.4422 var(xres)= 35.2723  
 percent var predicted= 67.6 %

x0= -2.35, x trend= 0

var(y)= 63.8156 var(yp)= 10.0397 var(yres)= 53.776  
 percent var predicted= 15.7 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	2.845	1.432	-0.270	1.41	116.26	28.72	209.48	29.23	3.9
MSF	0.00282	0.640	1.430	0.256	1.41	119.36	161.76	98.30	163.59	0.2
ALP1	0.03440	0.574	0.584	-0.411	0.72	175.79	163.94	245.26	153.31	0.97
2Q1	0.03571	0.422	0.601	-0.271	0.71	20.29	173.83	94.51	162.63	0.49
Q1	0.03722	0.601	0.708	-0.171	0.60	108.87	62.01	293.46	71.50	0.72
O1	0.03873	1.124	0.591	-0.267	0.71	13.51	37.73	298.58	31.87	3.6
NO1	0.04027	0.160	0.626	-0.028	0.68	32.36	186.16	291.50	171.06	0.065
K1	0.04178	1.659	0.654	-0.527	0.66	135.63	25.68	49.02	25.58	6.4
J1	0.04329	0.728	0.665	-0.415	0.65	131.26	82.28	9.67	83.44	1.2
OO1	0.04483	0.578	0.689	-0.534	0.62	59.60	473.14	24.94	476.92	0.7
UPS1	0.04634	0.454	0.616	-0.258	0.69	27.97	118.41	209.18	111.48	0.54
EPS2	0.07618	0.309	0.468	0.045	0.47	145.95	87.21	255.11	87.68	0.44
MU2	0.07769	0.313	0.470	-0.083	0.46	8.73	94.36	141.68	95.54	0.44
N2	0.07900	2.767	0.470	-0.425	0.46	7.27	9.95	167.38	10.09	35
M2	0.08051	11.661	0.469	-0.709	0.46	13.75	2.30	200.86	2.33	6.2e+002
L2	0.08202	1.444	0.469	-0.401	0.46	14.37	26.51	228.11	26.81	9.5
S2	0.08333	2.374	0.470	0.309	0.46	6.44	11.46	242.69	11.62	26
ETA2	0.08507	0.264	0.466	-0.022	0.47	46.91	88.12	337.37	88.03	0.32
MO3	0.11924	0.336	0.198	-0.043	0.21	64.85	35.15	148.16	33.26	2.9
M3	0.12077	0.152	0.212	0.016	0.19	6.23	75.07	21.93	81.77	0.51
MK3	0.12229	0.254	0.197	-0.058	0.21	70.05	49.95	201.04	46.96	1.7
SK3	0.12511	0.180	0.203	0.062	0.20	134.29	75.42	192.64	75.29	0.79
MN4	0.15951	0.581	0.194	-0.207	0.17	62.97	20.61	87.61	23.12	8.9
M4	0.16102	0.648	0.195	-0.174	0.17	63.44	16.83	133.39	19.19	11
SN4	0.16233	0.165	0.188	0.084	0.17	53.55	93.31	259.95	97.45	0.77
MS4	0.16384	0.366	0.178	0.004	0.18	41.00	29.04	159.63	28.04	4.2
S4	0.16667	0.109	0.179	0.064	0.18	41.92	169.17	210.84	166.97	0.37
2MK5	0.20280	0.136	0.114	-0.016	0.12	116.53	51.01	264.14	47.81	1.4
2SK5	0.20845	0.098	0.113	0.012	0.12	109.55	70.73	275.39	65.06	0.76
2MN6	0.24002	0.470	0.112	0.078	0.12	29.90	15.00	316.12	14.39	18
M6	0.24153	0.490	0.114	0.174	0.11	44.01	16.51	21.07	16.47	18
2MS6	0.24436	0.247	0.112	0.108	0.12	30.59	36.60	62.69	35.57	4.8
2SM6	0.24718	0.133	0.112	-0.022	0.12	30.88	52.60	89.62	50.59	1.4
3MK7	0.28331	0.072	0.096	-0.017	0.10	45.65	81.86	252.03	81.48	0.56
M8	0.32205	0.081	0.076	0.041	0.07	31.50	76.31	329.65	79.77	1.2

total var= 172.5301 pred var= 83.4819  
 percent total var predicted= 48.4 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c6901\_5.txt  
 date: 20-May-2005  
 nobs = 3693, ngood = 3691, record length (days) = 153.88  
 start time: 21-May-2002 15:52:30  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= -0.633, x trend= 0

var(x)= 117.8707 var(xp)= 53.5166 var(xres)= 64.3541  
 percent var predicted= 45.4 %

x0= 1.77, x trend= 0

var(y)= 109.7827 var(yp)= 11.8828 var(yres)= 97.8998  
 percent var predicted= 10.8 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	3.018	2.890	0.367	1.47	89.63	29.03	91.46	55.80	1.1
MSF	0.00282	2.992	2.564	0.399	1.98	122.39	39.21	6.58	50.25	1.4
ALP1	0.03440	0.373	0.538	-0.107	0.54	63.62	88.91	356.06	88.55	0.48
2Q1	0.03571	0.516	0.539	-0.399	0.54	126.14	176.04	88.57	175.93	0.92
Q1	0.03722	0.342	0.541	0.085	0.54	167.24	92.45	205.37	93.03	0.4
O1	0.03873	0.966	0.541	-0.180	0.54	166.91	31.63	139.06	31.84	3.2
NO1	0.04027	0.575	0.538	-0.174	0.54	63.66	42.28	6.16	42.11	1.1
K1	0.04178	1.777	0.540	-0.735	0.54	147.16	21.75	97.90	21.80	11
J1	0.04329	0.834	0.537	-0.388	0.54	92.61	49.38	111.33	49.13	2.4
OO1	0.04483	0.522	0.538	-0.150	0.54	110.51	47.91	124.66	47.67	0.94
UPS1	0.04634	0.223	0.542	0.012	0.54	0.08	105.62	290.01	106.45	0.17
EPS2	0.07618	0.933	0.966	-0.169	0.86	16.10	56.02	173.86	62.32	0.93
MU2	0.07769	1.001	0.975	-0.703	0.85	1.45	124.44	260.04	130.23	1.1
N2	0.07900	2.568	0.970	-0.456	0.86	12.70	20.32	157.21	22.77	7
M2	0.08051	9.222	0.974	0.615	0.85	6.03	5.39	189.99	6.14	90
L2	0.08202	2.027	0.961	-1.013	0.87	159.55	53.28	300.79	56.62	4.4
S2	0.08333	1.700	0.974	-0.697	0.85	173.28	38.17	39.54	41.89	3
ETA2	0.08507	0.415	0.951	-0.239	0.88	27.22	182.66	101.49	189.95	0.19
MO3	0.11924	0.177	0.274	-0.001	0.31	76.55	95.62	24.42	83.93	0.42
M3	0.12077	0.146	0.271	0.075	0.31	89.05	185.79	336.54	170.69	0.29
MK3	0.12229	0.588	0.288	-0.509	0.30	53.10	144.95	125.66	144.11	4.2
SK3	0.12511	0.231	0.278	-0.070	0.31	111.95	83.51	304.26	76.53	0.69
MN4	0.15951	0.420	0.293	0.007	0.24	2.29	33.61	92.18	40.57	2.1
M4	0.16102	0.617	0.289	-0.108	0.25	16.30	24.55	97.38	28.49	4.6
SN4	0.16233	0.256	0.274	-0.144	0.26	141.61	100.22	281.88	102.47	0.87
MS4	0.16384	0.379	0.293	-0.158	0.24	1.98	50.01	139.19	57.05	1.7
S4	0.16667	0.240	0.244	-0.146	0.29	80.02	122.84	180.05	113.25	0.97
2MK5	0.20280	0.179	0.184	-0.021	0.15	25.61	48.11	46.33	58.36	0.95
2SK5	0.20845	0.085	0.164	0.023	0.17	130.27	124.24	63.85	118.87	0.27
2MN6	0.24002	0.485	0.137	-0.075	0.14	51.49	17.64	339.11	17.18	13
M6	0.24153	0.814	0.139	-0.203	0.14	43.62	10.98	15.40	11.04	34
2MS6	0.24436	0.278	0.138	0.033	0.14	48.02	29.87	79.19	29.49	4.1
2SM6	0.24718	0.067	0.130	-0.039	0.15	96.71	216.52	222.42	203.84	0.26
3MK7	0.28331	0.120	0.103	-0.046	0.09	28.39	54.28	173.71	60.00	1.4
M8	0.32205	0.072	0.075	0.016	0.06	11.57	55.23	300.63	66.43	0.91

total var= 227.6533 pred var= 65.3994  
 percent total var predicted= 28.7 %