

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c3411.txt  
 date: 23-May-2005  
 nobs = 2496, ngood = 2495, record length (days) = 104.00  
 start time: 28-Mar-1990 13:00:00  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= -0.751, x trend= 0

var(x)= 93.6461 var(xp)= 24.5106 var(xres)= 69.1355  
 percent var predicted= 26.2 %

x0= 0.885, x trend= 0

var(y)= 67.8067 var(yp)= 6.4561 var(yres)= 61.3506  
 percent var predicted= 9.5 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.670	2.672	-0.093	2.38	53.48	82.02	205.50	92.05	0.39
MSF	0.00282	1.975	2.941	-0.077	2.04	103.69	59.28	12.55	85.51	0.45
ALP1	0.03440	0.592	0.732	0.168	0.78	55.45	73.53	206.29	69.84	0.65
2Q1	0.03571	0.186	0.748	-0.102	0.76	131.71	321.23	71.28	317.89	0.062
Q1	0.03722	0.494	0.761	-0.020	0.75	137.57	75.21	62.91	76.36	0.42
O1	0.03873	0.689	0.804	-0.053	0.70	18.92	51.99	289.42	59.40	0.73
NO1	0.04027	0.830	0.694	-0.086	0.81	78.60	61.53	98.05	52.73	1.4
K1	0.04178	1.801	0.789	-1.122	0.72	151.37	41.91	29.23	43.64	5.2
J1	0.04329	0.642	0.781	0.268	0.73	147.08	71.65	40.17	75.25	0.68
OO1	0.04483	0.294	0.814	0.027	0.69	171.48	95.13	315.81	111.73	0.13
UPS1	0.04634	0.411	0.732	0.130	0.78	124.47	82.45	186.81	78.43	0.32
EPS2	0.07618	0.773	1.033	-0.094	1.04	144.02	75.50	76.28	74.85	0.56
MU2	0.07769	1.174	1.052	-0.288	1.02	90.51	55.10	47.85	56.52	1.2
N2	0.07900	1.421	1.022	-0.193	1.05	179.76	44.54	327.63	43.32	1.9
M2	0.08051	6.111	1.022	-0.461	1.05	0.60	10.19	188.74	9.90	36
L2	0.08202	1.204	1.029	0.130	1.05	152.52	42.95	349.96	42.26	1.4
S2	0.08333	0.561	1.026	0.185	1.05	160.26	125.92	110.07	123.69	0.3
ETA2	0.08507	0.413	1.050	-0.170	1.02	107.20	123.90	135.58	126.01	0.15
MO3	0.11924	0.684	0.436	0.030	0.52	166.28	39.09	100.45	33.06	2.5
M3	0.12077	0.183	0.435	0.058	0.52	12.60	192.57	339.56	167.38	0.18
MK3	0.12229	0.541	0.480	-0.228	0.47	46.93	62.95	79.86	63.51	1.3
SK3	0.12511	0.475	0.433	0.138	0.52	170.63	64.82	249.13	55.73	1.2
MN4	0.15951	0.381	0.412	0.168	0.39	117.97	83.75	15.24	86.85	0.86
M4	0.16102	0.755	0.387	-0.380	0.41	157.33	48.82	1.68	46.89	3.8
SN4	0.16233	0.324	0.386	0.120	0.42	160.46	91.74	67.76	86.69	0.71
MS4	0.16384	0.578	0.391	-0.378	0.41	150.68	85.67	111.40	83.97	2.2
S4	0.16667	0.375	0.406	0.061	0.40	53.05	62.68	295.23	64.29	0.85
2MK5	0.20280	0.217	0.275	0.038	0.29	27.97	77.47	235.23	73.88	0.62
2SK5	0.20845	0.187	0.287	0.009	0.28	123.80	78.33	302.34	81.06	0.43
2MN6	0.24002	0.302	0.264	0.200	0.20	10.84	97.14	287.35	107.20	1.3
M6	0.24153	0.304	0.245	-0.017	0.23	36.90	46.12	356.76	49.71	1.5
2MS6	0.24436	0.139	0.266	-0.054	0.20	179.29	115.89	192.22	141.68	0.27
2SM6	0.24718	0.192	0.259	-0.093	0.21	19.97	96.88	30.07	110.28	0.55
3MK7	0.28331	0.149	0.168	0.060	0.17	132.23	82.52	68.92	82.69	0.78
M8	0.32205	0.174	0.113	0.005	0.11	172.01	40.20	198.20	40.76	2.4

total var= 161.4528 pred var= 30.9668  
 percent total var predicted= 19.2 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c3481.txt  
 date: 23-May-2005  
 nobs = 966, ngood = 965, record length (days) = 40.25  
 start time: 10-Jul-1990 15:00:00  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 0.494, x trend= 0

var(x)= 74.2 var(xp)= 36.5395 var(xres)= 37.6605  
 percent var predicted= 49.2 %

x0= -1.73, x trend= 0

var(y)= 87.0513 var(yp)= 29.9055 var(yres)= 57.1458  
 percent var predicted= 34.4 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	5.718	3.248	-0.293	2.72	90.67	27.37	5.49	32.66	3.1
MSF	0.00282	3.680	3.246	1.928	2.72	86.93	68.85	82.55	76.08	1.3
ALP1	0.03440	0.393	0.564	0.008	0.72	116.78	91.11	355.02	71.88	0.48
2Q1	0.03571	0.874	0.676	0.316	0.61	142.55	42.08	221.81	45.53	1.7
Q1	0.03722	0.646	0.635	0.226	0.65	132.99	60.53	65.71	59.24	1
O1	0.03873	1.254	0.755	-0.370	0.51	9.10	24.68	259.32	34.12	2.8
NO1	0.04027	1.878	0.737	-0.347	0.54	19.03	22.23	276.09	29.91	6.5
K1	0.04178	1.506	0.507	-0.896	0.76	97.28	44.50	145.74	37.05	8.8
J1	0.04329	1.306	0.756	0.120	0.51	172.65	18.83	164.38	27.87	3
OO1	0.04483	0.887	0.698	0.087	0.59	148.21	28.37	42.30	33.73	1.6
UPS1	0.04634	0.387	0.671	-0.011	0.62	141.19	61.94	141.07	67.37	0.33
EPS2	0.07618	0.967	0.975	-0.402	0.94	16.39	69.81	91.36	71.51	0.98
MU2	0.07769	1.088	0.968	-0.146	0.95	30.25	51.54	176.00	52.54	1.3
N2	0.07900	3.617	0.975	-1.650	0.94	163.29	21.27	275.87	21.75	14
M2	0.08051	6.465	0.977	1.799	0.94	6.64	9.61	189.23	9.94	44
L2	0.08202	0.671	0.966	0.091	0.95	145.43	67.42	33.46	68.37	0.48
S2	0.08333	3.497	0.978	-1.506	0.94	4.83	20.67	177.31	21.25	13
ETA2	0.08507	0.732	0.960	-0.603	0.96	136.59	202.94	138.02	203.03	0.58
MO3	0.11924	0.491	0.283	-0.327	0.38	162.43	79.90	59.92	71.79	3
M3	0.12077	0.741	0.377	-0.220	0.28	106.69	26.64	45.67	33.88	3.9
MK3	0.12229	0.457	0.375	-0.112	0.29	108.97	37.87	78.24	48.18	1.5
SK3	0.12511	0.210	0.292	-0.081	0.37	156.62	115.35	5.17	97.09	0.52
MN4	0.15951	0.384	0.349	-0.019	0.31	10.70	47.88	61.46	54.61	1.2
M4	0.16102	1.547	0.344	-0.688	0.31	22.90	16.76	65.48	17.90	20
SN4	0.16233	0.386	0.351	0.244	0.30	178.11	95.25	39.73	101.17	1.2
MS4	0.16384	0.282	0.306	-0.008	0.35	78.33	72.57	60.51	63.72	0.84
S4	0.16667	0.307	0.305	-0.097	0.35	97.81	74.81	329.94	66.88	1
2MK5	0.20280	0.302	0.235	-0.037	0.22	19.58	40.67	244.76	44.13	1.7
2SK5	0.20845	0.175	0.219	-0.085	0.23	118.26	101.56	90.75	97.88	0.64
2MN6	0.24002	0.290	0.215	-0.264	0.22	26.75	371.88	333.86	371.16	1.8
M6	0.24153	0.733	0.217	-0.213	0.22	47.93	20.60	9.97	20.66	11
2MS6	0.24436	0.428	0.214	-0.267	0.22	21.19	58.54	100.30	57.87	4
2SM6	0.24718	0.137	0.214	-0.042	0.22	16.21	107.69	245.92	105.05	0.41
3MK7	0.28331	0.100	0.144	-0.033	0.14	45.17	96.10	272.61	96.12	0.49
M8	0.32205	0.190	0.115	-0.103	0.11	49.41	60.69	276.93	60.75	2.7

total var= 161.2513 pred var= 66.445  
 percent total var predicted= 41.2 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c3591.txt  
 date: 23-May-2005  
 nobs = 2695, ngood = 2695, record length (days) = 112.29  
 start time: 23-Oct-1990 15:00:00  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 1.09, x trend= 0

var(x)= 63.0635 var(xp)= 50.9619 var(xres)= 12.1016  
 percent var predicted= 80.8 %

x0= -0.681, x trend= 0

var(y)= 30.5592 var(yp)= 4.5635 var(yres)= 25.9957  
 percent var predicted= 14.9 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.632	0.906	0.639	0.84	48.87	37.90	27.94	40.00	3.2
MSF	0.00282	0.865	0.799	-0.342	0.94	143.86	78.13	3.21	69.20	1.2
ALP1	0.03440	0.319	0.332	-0.101	0.34	150.19	62.91	263.35	61.62	0.93
2Q1	0.03571	0.167	0.341	-0.033	0.33	115.99	103.56	7.68	106.58	0.24
Q1	0.03722	0.451	0.344	-0.152	0.33	102.06	44.00	80.69	45.64	1.7
O1	0.03873	0.407	0.327	-0.117	0.34	4.05	49.18	291.81	47.14	1.5
NO1	0.04027	0.329	0.342	-0.034	0.33	112.24	99.03	127.64	102.58	0.93
K1	0.04178	0.637	0.327	0.015	0.34	0.28	29.04	297.74	27.61	3.8
J1	0.04329	0.318	0.331	-0.286	0.34	152.71	353.96	81.43	352.86	0.92
OO1	0.04483	0.363	0.344	-0.064	0.33	94.85	44.18	311.60	46.29	1.1
UPS1	0.04634	0.238	0.340	-0.181	0.33	57.73	172.75	132.34	173.76	0.49
EPS2	0.07618	0.204	0.293	0.130	0.25	113.23	140.60	204.55	149.48	0.49
MU2	0.07769	0.379	0.244	-0.026	0.30	174.62	45.65	341.56	37.07	2.4
N2	0.07900	2.668	0.247	-0.294	0.30	13.95	6.64	171.86	5.52	1.2e+002
M2	0.08051	9.940	0.246	-0.992	0.30	12.40	1.78	203.45	1.47	1.6e+003
L2	0.08202	0.585	0.244	0.130	0.30	174.07	24.29	88.27	20.10	5.8
S2	0.08333	1.571	0.244	-0.364	0.30	6.69	11.77	232.54	9.77	41
ETA2	0.08507	0.133	0.282	-0.024	0.27	126.92	83.21	138.72	87.91	0.22
MO3	0.11924	0.118	0.109	-0.022	0.13	72.04	60.80	178.47	51.40	1.2
M3	0.12077	0.099	0.132	-0.042	0.11	170.20	88.39	165.59	102.04	0.56
MK3	0.12229	0.103	0.106	-0.053	0.13	86.80	103.34	297.77	90.91	0.94
SK3	0.12511	0.085	0.120	-0.023	0.12	45.92	84.63	15.48	84.11	0.51
MN4	0.15951	0.213	0.103	0.041	0.12	173.34	33.91	262.13	30.53	4.3
M4	0.16102	0.393	0.106	-0.013	0.11	32.26	16.90	104.10	16.08	14
SN4	0.16233	0.087	0.104	0.016	0.11	163.82	80.17	92.97	73.18	0.71
MS4	0.16384	0.182	0.104	-0.027	0.11	22.45	37.58	135.49	34.74	3
S4	0.16667	0.088	0.103	-0.023	0.12	176.69	82.68	328.67	74.80	0.74
2MK5	0.20280	0.054	0.068	-0.000	0.07	103.71	76.08	221.06	70.01	0.63
2SK5	0.20845	0.065	0.070	-0.030	0.07	50.50	81.42	1.84	80.48	0.86
2MN6	0.24002	0.325	0.075	0.100	0.07	35.84	16.04	310.01	16.08	19
M6	0.24153	0.441	0.075	0.087	0.07	33.12	10.83	352.83	10.87	35
2MS6	0.24436	0.113	0.075	0.078	0.07	24.57	89.95	35.32	90.13	2.3
2SM6	0.24718	0.038	0.074	0.019	0.07	84.12	170.24	240.89	169.39	0.26
3MK7	0.28331	0.075	0.062	0.023	0.05	17.55	44.71	82.82	54.00	1.4
M8	0.32205	0.062	0.043	0.018	0.04	24.75	44.47	11.87	47.88	2.1

total var= 93.6228 pred var= 55.5255  
 percent total var predicted= 59.3 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c3751.txt  
 date: 23-May-2005  
 nobs = 2850, ngood = 2849, record length (days) = 118.75  
 start time: 13-Feb-1991  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 0.589, x trend= 0

var(x)= 97.2865 var(xp)= 42.9021 var(xres)= 54.3845  
 percent var predicted= 44.1 %

x0= -1.06, x trend= 0

var(y)= 63.5979 var(yp)= 8.1798 var(yres)= 55.4182  
 percent var predicted= 12.9 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.614	1.989	0.055	2.08	43.41	73.90	20.28	70.72	0.66
MSF	0.00282	1.658	2.428	-0.476	1.54	61.13	63.75	32.26	92.93	0.47
ALP1	0.03440	0.432	0.708	-0.173	0.68	142.17	104.37	211.15	107.22	0.37
2Q1	0.03571	0.791	0.743	-0.412	0.64	7.97	65.28	20.74	70.94	1.1
Q1	0.03722	0.433	0.721	-0.000	0.67	29.43	79.20	35.76	85.62	0.36
O1	0.03873	0.719	0.676	-0.325	0.71	55.38	70.78	291.82	68.33	1.1
NO1	0.04027	0.703	0.683	-0.307	0.71	128.27	130.08	218.55	127.02	1.1
K1	0.04178	1.720	0.641	-1.216	0.74	86.31	54.94	88.07	52.28	7.2
J1	0.04329	0.722	0.661	-0.336	0.73	115.10	68.14	86.12	64.05	1.2
OO1	0.04483	0.576	0.641	-0.170	0.75	90.69	71.53	222.97	63.01	0.81
UPS1	0.04634	0.521	0.700	-0.383	0.69	138.04	155.22	9.49	155.96	0.55
EPS2	0.07618	0.401	0.653	-0.190	0.83	112.18	154.62	280.02	132.81	0.38
MU2	0.07769	0.591	0.620	-0.103	0.86	99.85	86.08	84.36	63.45	0.91
N2	0.07900	2.829	0.863	-0.480	0.61	4.43	13.39	173.97	18.47	11
M2	0.08051	8.799	0.848	-0.060	0.63	15.99	4.19	196.94	5.60	1.1e+002
L2	0.08202	0.473	0.707	-0.129	0.79	54.36	82.89	302.74	75.56	0.45
S2	0.08333	1.546	0.863	0.283	0.61	5.47	24.28	224.71	33.32	3.2
ETA2	0.08507	0.243	0.687	0.083	0.81	120.91	159.51	243.81	140.73	0.12
MO3	0.11924	0.112	0.220	0.086	0.25	22.64	339.94	224.35	329.47	0.26
M3	0.12077	0.139	0.252	0.007	0.22	78.69	90.78	198.01	106.20	0.31
MK3	0.12229	0.120	0.252	0.004	0.22	77.73	99.25	167.08	115.89	0.23
SK3	0.12511	0.142	0.214	0.031	0.25	176.53	103.26	230.63	88.54	0.44
MN4	0.15951	0.228	0.191	0.049	0.19	33.30	54.16	114.13	53.38	1.4
M4	0.16102	0.522	0.189	-0.023	0.20	169.32	22.20	299.51	21.38	7.7
SN4	0.16233	0.283	0.193	-0.002	0.19	53.04	39.39	115.25	39.83	2.1
MS4	0.16384	0.281	0.191	-0.061	0.19	38.04	42.82	176.37	42.45	2.2
S4	0.16667	0.127	0.196	-0.014	0.19	104.17	86.86	152.68	89.93	0.42
2MK5	0.20280	0.062	0.133	0.046	0.10	97.69	271.34	300.98	295.02	0.22
2SK5	0.20845	0.146	0.122	0.010	0.11	51.40	42.63	289.55	45.40	1.4
2MN6	0.24002	0.247	0.102	0.002	0.11	49.81	25.82	334.42	24.95	5.8
M6	0.24153	0.582	0.106	0.069	0.10	40.66	10.79	359.26	11.12	30
2MS6	0.24436	0.236	0.100	0.084	0.11	57.18	32.75	34.40	30.67	5.6
2SM6	0.24718	0.152	0.093	-0.051	0.11	91.91	51.31	144.15	43.53	2.7
3MK7	0.28331	0.085	0.095	0.016	0.08	87.37	53.96	72.19	66.42	0.8
M8	0.32205	0.053	0.064	-0.024	0.06	121.29	97.37	151.77	99.96	0.68

total var= 160.8845 pred var= 51.0818  
 percent total var predicted= 31.8 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c3841.txt  
date: 23-May-2005  
nobs = 2511, ngood = 2511, record length (days) = 104.63  
start time: 11-Jun-1991 20:00:00  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= -0.898, x trend= 0

var(x)= 73.9242 var(xp)= 22.444 var(xres)= 51.4802  
percent var predicted= 30.4 %

x0= 2.73, x trend= 0

var(y)= 81.0021 var(yp)= 9.979 var(yres)= 71.0231  
percent var predicted= 12.3 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	2.852	3.275	0.003	2.09	114.15	41.93	247.27	65.78	0.76
MSF	0.00282	2.107	3.501	-0.105	1.68	85.15	46.05	47.05	95.49	0.36
ALP1	0.03440	0.524	0.574	0.226	0.69	165.57	89.12	110.49	78.97	0.83
2Q1	0.03571	0.630	0.667	-0.281	0.60	117.64	67.65	178.66	73.01	0.89
Q1	0.03722	0.248	0.678	-0.140	0.58	110.50	215.51	284.83	233.10	0.13
O1	0.03873	1.008	0.579	-0.176	0.68	161.63	37.38	89.29	32.11	3
NO1	0.04027	1.196	0.633	-0.075	0.63	134.61	41.63	334.78	41.75	3.6
K1	0.04178	2.081	0.608	-1.254	0.66	146.15	30.98	120.27	29.90	12
J1	0.04329	0.122	0.691	-0.087	0.57	82.74	633.30	202.73	674.02	0.031
OO1	0.04483	0.355	0.680	-0.121	0.58	70.78	99.55	359.24	112.76	0.27
UPS1	0.04634	0.383	0.599	-0.319	0.66	150.26	317.19	8.30	311.42	0.41
EPS2	0.07618	0.864	1.059	-0.191	0.98	31.29	66.42	158.98	71.15	0.67
MU2	0.07769	0.613	1.051	-0.248	0.99	34.20	119.55	135.26	124.88	0.34
N2	0.07900	1.572	1.087	0.429	0.95	162.33	39.81	308.53	44.71	2.1
M2	0.08051	5.576	1.101	1.455	0.93	3.53	10.89	191.48	12.57	26
L2	0.08202	0.520	0.941	-0.269	1.09	102.26	147.65	291.52	135.36	0.31
S2	0.08333	0.884	1.096	0.023	0.94	168.75	60.96	56.98	71.05	0.65
ETA2	0.08507	0.633	1.069	-0.266	0.97	27.12	86.89	210.47	92.96	0.35
MO3	0.11924	0.120	0.259	-0.082	0.25	170.58	260.35	265.10	262.97	0.21
M3	0.12077	0.236	0.259	-0.085	0.25	172.66	76.06	250.51	77.74	0.83
MK3	0.12229	0.079	0.255	0.027	0.26	46.59	212.70	100.74	212.43	0.097
SK3	0.12511	0.171	0.255	0.036	0.26	131.39	87.51	324.03	87.22	0.45
MN4	0.15951	0.463	0.228	-0.232	0.23	33.47	44.14	45.64	43.54	4.1
M4	0.16102	1.065	0.224	-0.675	0.24	12.45	25.35	113.72	24.79	23
SN4	0.16233	0.333	0.228	-0.040	0.23	35.51	41.46	108.97	40.71	2.1
MS4	0.16384	0.463	0.224	-0.251	0.24	11.01	47.25	163.23	45.89	4.3
S4	0.16667	0.243	0.233	-0.113	0.23	54.00	75.57	141.26	76.45	1.1
2MK5	0.20280	0.122	0.114	0.049	0.14	110.19	80.82	122.98	69.60	1.1
2SK5	0.20845	0.092	0.121	-0.016	0.14	57.16	83.52	353.51	75.20	0.58
2MN6	0.24002	0.447	0.119	-0.172	0.12	45.77	19.98	329.06	19.95	14
M6	0.24153	0.619	0.118	-0.058	0.12	51.55	11.61	14.57	11.44	27
2MS6	0.24436	0.275	0.118	-0.122	0.12	51.93	34.84	61.29	34.48	5.4
2SM6	0.24718	0.072	0.117	-0.046	0.12	59.13	190.31	94.42	187.83	0.38
3MK7	0.28331	0.061	0.091	-0.037	0.09	143.73	154.43	215.28	154.20	0.45
M8	0.32205	0.101	0.067	-0.083	0.07	140.26	163.79	64.01	164.41	2.3

total var= 154.9264 pred var= 32.423  
percent total var predicted= 20.9 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c3971.txt  
 date: 23-May-2005  
 nobs = 2679, ngood = 2679, record length (days) = 111.63  
 start time: 11-Feb-1992 23:00:00  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 0.485, x trend= 0

var(x)= 109.7276 var(xp)= 65.8669 var(xres)= 43.8607  
 percent var predicted= 60.0 %

x0= 0.786, x trend= 0

var(y)= 99.8819 var(yp)= 11.6445 var(yres)= 88.2374  
 percent var predicted= 11.7 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	3.297	3.209	-1.739	1.56	80.02	55.47	95.78	79.76	1.1
MSF	0.00282	0.656	2.126	-0.148	2.87	148.14	267.77	77.59	204.75	0.095
ALP1	0.03440	0.368	0.647	0.122	0.49	94.02	89.19	339.64	110.77	0.32
2Q1	0.03571	0.335	0.499	-0.018	0.64	168.49	103.65	336.60	80.63	0.45
Q1	0.03722	0.156	0.556	0.092	0.59	141.93	365.94	250.28	354.79	0.079
O1	0.03873	1.039	0.517	-0.545	0.63	22.39	50.27	292.95	45.09	4
NO1	0.04027	0.633	0.492	-0.207	0.65	1.91	60.16	320.33	48.28	1.7
K1	0.04178	1.453	0.593	-0.919	0.56	128.21	43.10	63.26	44.28	6
J1	0.04329	0.569	0.631	-0.237	0.51	110.53	65.09	332.92	75.16	0.81
OO1	0.04483	0.733	0.513	-0.235	0.63	159.95	49.31	128.78	41.65	2
UPS1	0.04634	0.574	0.580	-0.478	0.57	46.75	207.91	13.85	208.53	0.98
EPS2	0.07618	0.403	0.640	0.009	0.52	72.41	70.47	183.52	87.17	0.4
MU2	0.07769	0.855	0.645	-0.593	0.51	103.21	86.62	31.33	93.92	1.8
N2	0.07900	2.726	0.501	0.316	0.65	178.94	14.01	331.49	10.85	30
M2	0.08051	10.907	0.511	-0.897	0.64	13.46	3.42	198.06	2.72	4.6e+002
L2	0.08202	0.722	0.512	-0.387	0.64	165.50	79.17	80.47	69.87	2
S2	0.08333	1.953	0.518	0.076	0.64	17.99	18.78	242.24	15.22	14
ETA2	0.08507	0.132	0.502	-0.102	0.65	178.44	683.54	78.15	640.63	0.069
MO3	0.11924	0.145	0.248	0.044	0.18	89.95	80.16	229.83	106.66	0.34
M3	0.12077	0.287	0.225	-0.009	0.21	127.22	41.17	335.15	45.03	1.6
MK3	0.12229	0.215	0.248	-0.089	0.18	85.57	63.93	117.59	81.14	0.75
SK3	0.12511	0.240	0.225	-0.133	0.20	53.15	81.01	323.36	85.12	1.1
MN4	0.15951	0.199	0.148	-0.022	0.14	10.62	42.71	58.80	43.76	1.8
M4	0.16102	0.698	0.148	-0.433	0.14	7.49	22.90	136.15	23.17	22
SN4	0.16233	0.126	0.148	-0.011	0.14	5.97	66.49	132.76	68.24	0.73
MS4	0.16384	0.304	0.147	-0.212	0.14	25.29	65.68	216.62	66.07	4.2
S4	0.16667	0.168	0.144	-0.070	0.15	107.29	65.64	236.82	64.63	1.4
2MK5	0.20280	0.092	0.102	0.045	0.11	34.59	99.34	135.88	93.55	0.82
2SK5	0.20845	0.065	0.102	-0.054	0.11	34.63	370.90	33.77	363.93	0.41
2MN6	0.24002	0.227	0.083	-0.001	0.09	59.44	22.45	302.91	21.04	7.6
M6	0.24153	0.537	0.085	0.059	0.09	47.80	9.40	4.48	9.28	40
2MS6	0.24436	0.183	0.083	-0.016	0.09	54.96	27.83	66.40	26.60	4.8
2SM6	0.24718	0.104	0.091	-0.060	0.08	8.23	78.96	87.46	84.25	1.3
3MK7	0.28331	0.067	0.064	-0.012	0.07	56.76	61.11	227.81	56.38	1.1
M8	0.32205	0.082	0.053	0.023	0.05	3.00	36.70	328.26	41.54	2.4

total var= 209.6095 pred var= 77.5114  
 percent total var predicted= 37.0 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c4011.txt  
 date: 23-May-2005  
 nobs = 3378, ngood = 3377, record length (days) = 140.75  
 start time: 02-Jun-1992 21:00:00  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 0.117, x trend= 0

var(x)= 76.6286 var(xp)= 34.5725 var(xres)= 42.0561  
 percent var predicted= 45.1 %

x0= 0.32, x trend= 0

var(y)= 67.4945 var(yp)= 8.1041 var(yres)= 59.3904  
 percent var predicted= 12.0 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.903	1.588	-0.156	0.95	66.83	29.11	95.21	48.20	1.4
MSF	0.00282	2.637	1.515	-0.728	1.06	120.13	26.89	317.37	36.29	3
ALP1	0.03440	0.371	0.469	-0.091	0.52	164.23	85.48	53.87	77.43	0.63
2Q1	0.03571	0.608	0.504	-0.209	0.49	50.93	53.51	56.84	54.65	1.5
Q1	0.03722	0.378	0.528	-0.198	0.46	86.18	109.60	126.86	118.02	0.51
O1	0.03873	0.976	0.478	-0.389	0.52	26.98	37.92	205.90	35.87	4.2
NO1	0.04027	0.388	0.516	-0.121	0.48	62.86	65.16	15.57	69.38	0.57
K1	0.04178	1.480	0.499	-1.266	0.49	132.95	93.22	118.86	93.36	8.8
J1	0.04329	0.407	0.469	-0.287	0.52	16.13	166.54	343.74	160.49	0.75
OO1	0.04483	0.464	0.486	-0.282	0.51	145.01	100.43	302.30	98.38	0.91
UPS1	0.04634	0.401	0.464	-0.338	0.53	4.77	292.12	132.81	285.87	0.75
EPS2	0.07618	0.627	0.681	-0.252	0.77	73.23	86.06	145.97	78.74	0.85
MU2	0.07769	0.280	0.750	0.115	0.70	147.98	187.69	242.69	196.47	0.14
N2	0.07900	1.696	0.770	0.387	0.68	163.16	24.99	312.74	27.92	4.9
M2	0.08051	7.569	0.775	0.918	0.67	170.54	5.22	348.36	5.98	95
L2	0.08202	0.292	0.753	0.161	0.70	29.76	265.02	207.13	275.84	0.15
S2	0.08333	1.266	0.772	0.110	0.68	165.77	31.06	20.50	35.30	2.7
ETA2	0.08507	0.372	0.756	-0.173	0.70	152.13	137.76	308.03	145.32	0.24
MO3	0.11924	0.379	0.200	-0.090	0.19	5.89	30.13	341.60	32.26	3.6
M3	0.12077	0.186	0.200	0.058	0.19	9.37	66.51	225.80	70.66	0.87
MK3	0.12229	0.419	0.197	-0.336	0.19	29.42	92.74	163.29	93.55	4.5
SK3	0.12511	0.339	0.196	-0.111	0.19	148.29	37.37	23.33	38.43	3
MN4	0.15951	0.431	0.163	-0.277	0.13	11.72	38.53	62.24	41.69	7
M4	0.16102	0.961	0.163	-0.453	0.13	11.64	11.83	102.99	13.36	35
SN4	0.16233	0.245	0.137	-0.187	0.16	107.57	108.11	63.43	103.43	3.2
MS4	0.16384	0.385	0.162	-0.073	0.14	17.58	21.57	125.16	25.26	5.7
S4	0.16667	0.135	0.142	-0.017	0.16	59.95	68.44	191.79	61.94	0.9
2MK5	0.20280	0.165	0.114	-0.107	0.12	88.78	84.21	37.92	82.03	2.1
2SK5	0.20845	0.048	0.117	-0.025	0.12	55.56	213.67	150.01	210.80	0.17
2MN6	0.24002	0.444	0.099	-0.056	0.10	41.37	12.97	335.28	13.02	20
M6	0.24153	0.572	0.099	-0.017	0.10	42.70	9.87	9.41	9.90	33
2MS6	0.24436	0.247	0.100	-0.037	0.10	34.04	23.50	50.36	23.75	6.2
2SM6	0.24718	0.086	0.101	-0.031	0.10	1.99	80.29	185.80	82.12	0.73
3MK7	0.28331	0.079	0.080	-0.073	0.08	138.93	503.01	336.02	503.09	1
M8	0.32205	0.111	0.051	-0.059	0.05	7.92	39.55	321.51	40.92	4.8

total var= 144.1231 pred var= 42.6766  
 percent total var predicted= 29.6 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c4081.txt  
 date: 23-May-2005  
 nobs = 1341, ngood = 1341, record length (days) = 55.88  
 start time: 21-Oct-1992 17:00:00  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 1.15, x trend= 0

var(x)= 59.8291 var(xp)= 49.1264 var(xres)= 10.7028  
 percent var predicted= 82.1 %

x0= -1.04, x trend= 0

var(y)= 32.1526 var(yp)= 7.6923 var(yres)= 24.4604  
 percent var predicted= 23.9 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.556	1.891	0.195	1.25	60.97	47.47	174.58	70.98	0.68
MSF	0.00282	1.370	1.955	-0.466	1.15	114.51	62.63	218.72	94.24	0.49
ALP1	0.03440	0.603	0.310	-0.153	0.39	176.01	39.86	271.22	32.74	3.8
2Q1	0.03571	0.447	0.327	-0.020	0.37	153.71	47.37	252.28	41.35	1.9
Q1	0.03722	0.474	0.385	-0.005	0.31	76.61	37.87	71.03	46.34	1.5
O1	0.03873	0.741	0.329	-0.116	0.37	151.64	29.98	74.53	26.66	5.1
NO1	0.04027	0.157	0.312	0.081	0.39	9.21	156.46	54.52	138.31	0.25
K1	0.04178	0.415	0.328	0.061	0.37	27.55	53.05	316.18	46.91	1.6
J1	0.04329	0.564	0.327	-0.294	0.37	153.63	56.59	340.30	52.36	3
OO1	0.04483	0.285	0.317	-0.095	0.38	162.80	79.91	282.13	68.88	0.81
UPS1	0.04634	0.240	0.356	-0.089	0.35	131.46	96.80	344.58	98.83	0.45
EPS2	0.07618	0.363	0.400	-0.106	0.46	152.65	80.85	4.20	71.19	0.82
MU2	0.07769	0.695	0.409	-0.145	0.46	32.27	39.68	208.20	35.81	2.9
N2	0.07900	2.538	0.375	-0.603	0.48	7.41	11.71	159.85	9.32	46
M2	0.08051	9.569	0.385	-0.644	0.48	17.52	2.86	203.74	2.31	6.2e+002
L2	0.08202	1.010	0.442	-0.545	0.42	130.48	48.98	123.26	50.09	5.2
S2	0.08333	1.082	0.373	0.074	0.49	178.28	25.92	44.41	19.93	8.4
ETA2	0.08507	0.744	0.455	-0.166	0.41	123.31	32.86	198.11	36.08	2.7
MO3	0.11924	0.377	0.192	-0.079	0.23	1.19	37.42	3.86	31.59	3.8
M3	0.12077	0.303	0.213	-0.010	0.21	135.32	39.96	72.39	39.88	2
MK3	0.12229	0.266	0.219	-0.004	0.21	124.96	44.19	7.54	47.07	1.5
SK3	0.12511	0.142	0.198	0.033	0.23	159.46	98.45	128.95	86.89	0.52
MN4	0.15951	0.239	0.132	0.097	0.19	11.88	56.42	153.55	43.31	3.3
M4	0.16102	0.373	0.193	0.198	0.13	80.88	34.99	201.90	43.27	3.8
SN4	0.16233	0.159	0.132	-0.001	0.19	167.46	68.46	277.90	47.18	1.5
MS4	0.16384	0.263	0.128	0.011	0.19	178.55	42.15	285.75	27.88	4.2
S4	0.16667	0.215	0.172	-0.001	0.16	52.23	41.73	227.86	46.05	1.5
2MK5	0.20280	0.041	0.093	0.022	0.11	97.60	229.83	274.28	214.60	0.19
2SK5	0.20845	0.163	0.104	-0.060	0.09	157.97	41.15	159.27	44.23	2.5
2MN6	0.24002	0.240	0.081	-0.017	0.08	32.67	18.25	270.00	19.08	8.8
M6	0.24153	0.394	0.082	0.095	0.08	25.58	11.95	354.85	12.69	23
2MS6	0.24436	0.096	0.078	-0.043	0.08	53.24	65.17	22.14	63.87	1.5
2SM6	0.24718	0.082	0.080	-0.036	0.08	38.25	73.92	304.33	75.18	1.1
3MK7	0.28331	0.071	0.066	0.011	0.07	132.80	54.58	165.90	54.49	1.1
M8	0.32205	0.064	0.049	-0.036	0.05	86.57	74.18	158.49	72.03	1.7

total var= 91.9818 pred var= 56.8186  
 percent total var predicted= 61.8 %



file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c4211.txt  
 date: 23-May-2005  
 nobs = 2688, ngood = 2687, record length (days) = 112.00  
 start time: 15-Jun-1993 16:00:00  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= -0.219, x trend= 0

var(x)= 99.5376 var(xp)= 42.9301 var(xres)= 56.6075  
 percent var predicted= 43.1 %

x0= 1.96, x trend= 0

var(y)= 78.4848 var(yp)= 11.7713 var(yres)= 66.7135  
 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	2.050	2.365	-0.413	1.36	95.14	41.86	233.89	69.36	0.75
MSF	0.00282	2.279	2.252	0.192	1.54	112.40	39.21	317.17	57.10	1
ALP1	0.03440	0.293	0.602	-0.108	0.61	37.73	153.53	154.15	152.90	0.24
2Q1	0.03571	0.508	0.601	-0.117	0.61	30.37	78.24	208.80	77.51	0.71
Q1	0.03722	0.537	0.603	-0.292	0.61	39.34	110.24	289.93	109.98	0.79
O1	0.03873	1.066	0.598	-0.101	0.61	15.11	35.04	271.40	34.40	3.2
NO1	0.04027	0.243	0.603	-0.004	0.60	41.20	109.21	356.41	108.90	0.16
K1	0.04178	2.134	0.603	-1.509	0.61	141.45	40.90	117.78	40.84	13
J1	0.04329	0.945	0.610	-0.527	0.60	97.44	64.06	139.21	64.76	2.4
OO1	0.04483	0.731	0.598	-0.466	0.61	1.28	97.63	332.74	96.75	1.5
UPS1	0.04634	0.606	0.599	-0.300	0.61	17.17	96.62	226.57	95.59	1
EPS2	0.07618	1.004	0.787	-0.588	0.73	9.54	75.03	124.02	77.96	1.6
MU2	0.07769	1.636	0.789	-0.828	0.73	1.94	38.58	187.66	40.52	4.3
N2	0.07900	1.957	0.777	0.111	0.74	154.68	21.36	322.80	22.50	6.3
M2	0.08051	8.078	0.786	1.399	0.73	168.00	5.34	350.71	5.74	1.1e+002
L2	0.08202	1.546	0.742	-1.167	0.77	119.61	99.18	271.47	98.04	4.3
S2	0.08333	1.883	0.776	-0.409	0.74	153.45	24.22	19.70	25.35	5.9
ETA2	0.08507	0.734	0.788	-0.579	0.73	175.78	226.56	253.53	230.92	0.87
MO3	0.11924	0.106	0.330	0.072	0.33	124.22	411.87	85.69	412.53	0.1
M3	0.12077	0.220	0.329	-0.037	0.33	150.28	88.19	208.31	87.69	0.45
MK3	0.12229	0.491	0.328	-0.272	0.33	9.73	64.73	176.78	64.35	2.2
SK3	0.12511	0.336	0.332	-0.190	0.33	98.31	98.02	273.24	98.59	1
MN4	0.15951	0.444	0.199	-0.128	0.23	176.53	32.08	271.32	28.69	5
M4	0.16102	1.298	0.199	-0.244	0.23	3.09	10.26	96.76	9.07	42
SN4	0.16233	0.285	0.204	-0.038	0.22	24.07	45.24	106.29	41.53	2
MS4	0.16384	0.509	0.201	-0.280	0.23	14.31	40.14	141.48	37.72	6.4
S4	0.16667	0.178	0.202	-0.043	0.22	161.19	78.63	40.11	71.62	0.78
2MK5	0.20280	0.180	0.147	-0.055	0.17	70.91	59.95	50.74	54.30	1.5
2SK5	0.20845	0.120	0.163	0.012	0.15	25.29	74.40	262.96	81.75	0.54
2MN6	0.24002	0.400	0.145	-0.062	0.15	44.00	20.72	340.22	20.60	7.6
M6	0.24153	0.638	0.147	0.015	0.14	47.85	12.43	8.52	12.64	19
2MS6	0.24436	0.184	0.146	-0.117	0.14	47.02	86.81	44.68	87.24	1.6
2SM6	0.24718	0.169	0.146	-0.046	0.15	134.48	54.33	66.85	54.47	1.3
3MK7	0.28331	0.134	0.111	-0.037	0.11	151.19	50.37	257.99	52.51	1.4
M8	0.32205	0.068	0.076	-0.003	0.08	126.13	60.95	106.77	60.15	0.82

total var= 178.0224 pred var= 54.7014  
 percent total var predicted= 30.7 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c4291.txt  
 date: 23-May-2005  
 nobs = 3189, ngood = 3189, record length (days) = 132.88  
 start time: 05-Oct-1993 17:00:00  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 1.56, x trend= 0

var(x)= 77.5633 var(xp)= 62.5811 var(xres)= 14.9822  
 percent var predicted= 80.7 %

x0= 1.13, x trend= 0

var(y)= 28.317 var(yp)= 4.139 var(yres)= 24.178  
 percent var predicted= 14.6 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.222	1.492	-0.172	0.72	101.47	35.80	279.62	71.55	0.67
MSF	0.00282	0.752	0.945	0.419	1.36	29.50	161.20	204.10	133.89	0.63
ALP1	0.03440	0.131	0.230	-0.004	0.23	129.46	110.26	162.13	109.31	0.32
2Q1	0.03571	0.309	0.235	0.029	0.23	15.43	46.46	333.33	48.27	1.7
Q1	0.03722	0.409	0.229	-0.062	0.23	121.77	36.69	132.13	35.99	3.2
O1	0.03873	0.658	0.233	-0.195	0.23	35.01	24.59	257.29	24.91	8
NO1	0.04027	0.188	0.234	0.027	0.23	30.26	58.96	9.07	60.24	0.65
K1	0.04178	0.689	0.235	-0.082	0.23	18.80	20.12	318.06	20.83	8.6
J1	0.04329	0.277	0.236	0.064	0.23	7.86	55.39	39.36	57.60	1.4
OO1	0.04483	0.321	0.236	-0.056	0.23	170.50	48.58	52.61	50.58	1.9
UPS1	0.04634	0.162	0.233	-0.089	0.23	147.52	169.91	6.47	171.65	0.48
EPS2	0.07618	0.318	0.276	-0.109	0.27	142.09	59.67	196.54	60.27	1.3
MU2	0.07769	0.231	0.279	-0.049	0.27	151.54	71.36	10.54	73.22	0.69
N2	0.07900	2.822	0.281	-0.324	0.27	15.08	5.47	167.24	5.71	1e+002
M2	0.08051	10.495	0.281	-0.837	0.27	10.12	1.45	203.86	1.52	1.4e+003
L2	0.08202	0.363	0.268	-0.304	0.28	88.79	205.04	137.08	203.17	1.8
S2	0.08333	1.653	0.282	0.143	0.27	4.97	9.39	243.60	9.88	34
ETA2	0.08507	0.341	0.279	0.022	0.27	155.76	56.48	33.97	58.43	1.5
MO3	0.11924	0.131	0.114	0.018	0.12	95.03	59.55	231.38	54.58	1.3
M3	0.12077	0.088	0.125	-0.022	0.11	170.42	79.69	331.06	86.05	0.5
MK3	0.12229	0.133	0.125	-0.094	0.11	2.08	126.48	2.36	130.45	1.1
SK3	0.12511	0.129	0.122	0.000	0.12	28.83	54.15	51.92	56.89	1.1
MN4	0.15951	0.440	0.106	-0.287	0.10	119.20	27.11	15.99	27.37	17
M4	0.16102	0.725	0.107	-0.234	0.10	86.63	9.18	67.61	9.51	46
SN4	0.16233	0.157	0.104	-0.088	0.10	135.40	62.02	126.36	62.00	2.3
MS4	0.16384	0.230	0.106	-0.083	0.10	73.23	30.77	123.70	31.67	4.7
S4	0.16667	0.049	0.104	0.007	0.10	44.43	125.37	186.71	125.26	0.22
2MK5	0.20280	0.054	0.058	-0.031	0.08	102.54	139.32	144.06	116.93	0.87
2SK5	0.20845	0.029	0.080	-0.004	0.06	21.86	130.29	46.82	169.94	0.13
2MN6	0.24002	0.182	0.091	0.143	0.09	56.96	88.48	333.23	89.26	4
M6	0.24153	0.395	0.086	0.159	0.09	20.84	16.23	342.11	15.44	21
2MS6	0.24436	0.138	0.087	0.097	0.09	28.34	87.02	23.57	85.54	2.5
2SM6	0.24718	0.079	0.085	-0.005	0.09	175.15	66.99	223.05	61.20	0.86
3MK7	0.28331	0.080	0.050	0.006	0.05	7.09	35.78	339.51	35.46	2.6
M8	0.32205	0.062	0.041	-0.045	0.04	46.84	88.53	287.51	88.29	2.4

total var= 105.8803 pred var= 66.7202  
 percent total var predicted= 63.0 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c4311.txt  
date: 23-May-2005  
nobs = 342, ngood = 341, record length (days) = 14.25  
start time: 15-Feb-1994 15:00:00  
rayleigh criterion = 1.0  
nodal corrections applied to amplitude and phase relative to center time

x0= 0.523, x trend= 0

var(x)= 60.6759 var(xp)= 49.0236 var(xres)= 11.6524  
percent var predicted= 80.8 %

x0= -0.169, x trend= 0

var(y)= 22.9774 var(yp)= 6.1128 var(yres)= 16.8645  
percent var predicted= 26.6 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
O1	0.03873	0.995	0.897	-0.373	0.69	92.53	55.83	58.06	68.13	1.2
K1	0.04178	0.567	0.882	-0.202	0.71	73.38	93.93	82.63	111.51	0.41
M2	0.08051	10.141	1.188	-0.895	0.84	17.96	4.73	193.00	6.65	73
M3	0.12077	0.320	0.336	-0.048	0.29	14.24	53.05	247.59	60.22	0.91
M4	0.16102	0.386	0.272	-0.180	0.41	83.22	78.67	91.39	60.76	2
2MK5	0.20280	0.160	0.162	-0.028	0.14	34.18	53.73	218.60	61.48	0.97
2SK5	0.20845	0.212	0.137	-0.121	0.17	59.62	77.57	184.46	70.46	2.4
M6	0.24153	0.506	0.219	0.157	0.22	2.55	27.60	296.97	27.19	5.3
3MK7	0.28331	0.189	0.135	0.054	0.19	69.65	63.48	102.56	47.76	2
M8	0.32205	0.202	0.142	0.006	0.09	6.39	23.62	249.48	37.41	2

total var= 83.6533 pred var= 55.1364  
percent total var predicted= 65.9 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c4522.txt  
 date: 23-May-2005  
 nobs = 2850, ngood = 2849, record length (days) = 118.75  
 start time: 14-Feb-1995 20:00:00  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 0.812, x trend= 0

var(x)= 92.1569 var(xp)= 64.9728 var(xres)= 27.1841  
 percent var predicted= 70.5 %

x0= -1.11, x trend= 0

var(y)= 54.4349 var(yp)= 8.1674 var(yres)= 46.2674  
 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	0.666	2.292	-0.012	1.97	50.68	169.47	36.02	197.18	0.085
MSF	0.00282	2.529	2.739	0.307	1.28	106.34	30.34	22.97	63.06	0.85
ALP1	0.03440	0.587	0.520	0.183	0.52	136.76	70.73	275.83	70.78	1.3
2Q1	0.03571	0.469	0.519	-0.328	0.52	53.49	184.27	201.31	184.02	0.82
Q1	0.03722	0.533	0.523	-0.031	0.52	166.07	66.25	220.55	67.03	1
O1	0.03873	0.462	0.521	0.021	0.52	40.46	74.97	243.43	75.13	0.79
NO1	0.04027	0.519	0.524	-0.181	0.52	8.39	89.43	330.09	90.33	0.98
K1	0.04178	1.388	0.517	-0.698	0.52	80.95	35.48	35.04	35.22	7.2
J1	0.04329	0.427	0.518	0.028	0.52	115.97	84.16	70.14	83.48	0.68
OO1	0.04483	1.105	0.523	-0.623	0.52	14.88	94.76	283.77	95.33	4.5
UPS1	0.04634	0.484	0.522	-0.029	0.52	30.97	120.89	196.98	121.65	0.86
EPS2	0.07618	0.362	0.548	-0.096	0.46	76.91	84.83	220.30	98.49	0.44
MU2	0.07769	0.303	0.535	-0.051	0.48	63.95	92.85	74.35	103.74	0.32
N2	0.07900	2.195	0.458	-0.625	0.55	8.75	15.61	176.77	13.36	23
M2	0.08051	10.794	0.461	-1.070	0.55	12.17	2.87	201.15	2.42	5.5e+002
L2	0.08202	0.881	0.461	-0.088	0.55	167.03	30.16	4.06	25.46	3.7
S2	0.08333	1.742	0.456	0.159	0.55	178.72	18.42	61.55	15.24	15
ETA2	0.08507	0.624	0.496	-0.537	0.52	141.49	365.58	346.58	363.24	1.6
MO3	0.11924	0.325	0.167	0.030	0.23	167.63	45.88	124.64	33.75	3.8
M3	0.12077	0.168	0.211	-0.118	0.19	125.30	154.08	90.89	160.00	0.63
MK3	0.12229	0.212	0.228	-0.082	0.17	77.19	63.74	16.19	80.00	0.87
SK3	0.12511	0.099	0.198	0.063	0.20	137.06	260.42	29.81	257.85	0.25
MN4	0.15951	0.258	0.176	-0.190	0.14	68.63	88.71	93.61	94.07	2.2
M4	0.16102	0.444	0.181	-0.302	0.14	90.85	41.76	87.05	46.12	6
SN4	0.16233	0.190	0.158	-0.011	0.16	41.36	48.16	335.84	46.55	1.4
MS4	0.16384	0.169	0.172	-0.142	0.15	61.04	237.98	126.02	243.79	0.97
S4	0.16667	0.170	0.167	-0.056	0.15	126.16	62.10	25.21	66.35	1
2MK5	0.20280	0.086	0.121	-0.043	0.12	136.40	126.24	253.96	125.27	0.5
2SK5	0.20845	0.054	0.126	0.026	0.12	126.30	196.99	293.21	207.12	0.18
2MN6	0.24002	0.245	0.110	-0.025	0.11	43.21	23.79	348.33	23.95	5
M6	0.24153	0.352	0.106	0.056	0.11	59.85	17.41	18.15	16.52	11
2MS6	0.24436	0.164	0.106	0.016	0.11	60.19	37.62	61.85	35.59	2.4
2SM6	0.24718	0.097	0.110	0.009	0.11	136.46	63.58	141.44	63.94	0.79
3MK7	0.28331	0.054	0.064	-0.006	0.07	162.87	75.49	148.13	70.74	0.69
M8	0.32205	0.093	0.051	0.020	0.05	174.66	29.95	152.90	30.25	3.3

total var= 146.5918 pred var= 73.1403  
 percent total var predicted= 49.9 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c4591.txt  
 date: 23-May-2005  
 nobs = 2167, ngood = 2167, record length (days) = 90.29  
 start time: 13-Jun-1995 17:00:00  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= -0.509, x trend= 0

var(x)= 94.1471 var(xp)= 65.2935 var(xres)= 28.8536  
 percent var predicted= 69.4 %

x0= 1.33, x trend= 0

var(y)= 61.8212 var(yp)= 18.8947 var(yres)= 42.9265  
 percent var predicted= 30.6 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.216	2.483	0.455	1.26	68.36	85.63	289.70	138.38	0.24
MSF	0.00282	4.105	2.598	-0.341	1.00	101.95	14.36	76.07	36.53	2.5
ALP1	0.03440	0.494	0.461	0.229	0.46	45.01	91.66	325.00	91.66	1.2
2Q1	0.03571	0.443	0.457	-0.007	0.46	131.58	73.82	104.00	72.59	0.94
Q1	0.03722	0.556	0.492	-0.288	0.43	1.52	84.05	323.80	91.18	1.3
O1	0.03873	0.382	0.436	0.369	0.48	111.80	1648.40	67.11	1642.43	0.77
NO1	0.04027	0.544	0.428	-0.047	0.49	81.89	70.09	89.70	61.29	1.6
K1	0.04178	0.829	0.479	-0.428	0.44	27.77	52.83	10.05	55.33	3
J1	0.04329	0.733	0.464	0.031	0.46	137.96	43.16	78.01	43.79	2.5
OO1	0.04483	0.581	0.471	-0.111	0.45	35.66	106.49	359.94	111.05	1.5
UPS1	0.04634	0.989	0.427	-0.463	0.49	84.52	80.94	63.05	74.05	5.4
EPS2	0.07618	0.627	0.918	-0.344	0.97	78.43	146.92	194.81	142.64	0.47
MU2	0.07769	0.320	0.926	-0.109	0.96	64.78	201.81	308.16	195.81	0.12
N2	0.07900	2.005	0.972	0.091	0.92	3.25	25.37	151.83	26.92	4.3
M2	0.08051	11.117	0.966	-1.377	0.92	19.58	4.72	201.90	4.94	1.3e+002
L2	0.08202	0.792	0.971	-0.513	0.92	6.97	115.16	218.36	117.93	0.67
S2	0.08333	1.263	0.970	-0.197	0.92	11.46	43.32	248.22	45.65	1.7
ETA2	0.08507	1.161	0.957	-0.839	0.93	148.49	191.03	343.28	192.67	1.5
MO3	0.11924	0.352	0.287	0.046	0.27	152.26	50.79	102.44	54.66	1.5
M3	0.12077	0.109	0.267	0.026	0.29	60.22	155.98	264.27	146.83	0.17
MK3	0.12229	0.150	0.274	-0.032	0.28	130.62	122.27	201.75	120.01	0.3
SK3	0.12511	0.317	0.294	-0.009	0.26	179.04	51.63	42.83	59.05	1.2
MN4	0.15951	0.434	0.279	0.040	0.27	6.66	34.41	337.60	34.88	2.4
M4	0.16102	0.277	0.278	0.091	0.27	14.31	63.27	58.20	63.90	0.99
SN4	0.16233	0.233	0.278	0.008	0.27	15.03	65.48	226.71	66.29	0.7
MS4	0.16384	0.465	0.279	-0.135	0.27	3.86	37.40	109.19	37.84	2.8
S4	0.16667	0.185	0.276	-0.046	0.28	57.89	94.65	107.44	94.13	0.45
2MK5	0.20280	0.149	0.190	-0.059	0.19	47.74	98.93	60.38	97.87	0.61
2SK5	0.20845	0.168	0.176	-0.130	0.21	88.23	230.13	172.17	221.26	0.91
2MN6	0.24002	0.323	0.183	0.132	0.18	23.68	38.40	297.01	38.19	3.1
M6	0.24153	0.701	0.183	-0.043	0.18	40.94	13.76	16.92	13.74	15
2MS6	0.24436	0.207	0.184	-0.041	0.18	67.58	50.51	88.76	50.88	1.3
2SM6	0.24718	0.165	0.184	-0.017	0.18	52.94	63.10	148.93	63.29	0.8
3MK7	0.28331	0.122	0.119	-0.051	0.12	117.19	76.58	260.41	74.10	1.1
M8	0.32205	0.272	0.089	-0.089	0.09	37.59	18.88	336.19	19.40	9.4

total var= 155.9682 pred var= 84.1881  
 percent total var predicted= 54.0 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c4631.txt  
 date: 23-May-2005  
 nobs = 1822, ngood = 1821, record length (days) = 75.92  
 start time: 26-Sep-1995 18:00:00  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 1.1, x trend= 0

var(x)= 74.0323 var(xp)= 52.796 var(xres)= 21.2363  
 percent var predicted= 71.3 %

x0= -0.778, x trend= 0

var(y)= 49.2958 var(yp)= 9.0944 var(yres)= 40.2014  
 percent var predicted= 18.4 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	1.560	1.609	-0.423	1.59	45.32	65.54	260.50	66.06	0.94
MSF	0.00282	2.715	2.147	0.460	0.72	83.69	17.60	131.61	46.72	1.6
ALP1	0.03440	1.144	0.729	-0.420	0.80	179.68	60.60	186.93	56.41	2.5
2Q1	0.03571	0.456	0.758	-0.224	0.77	38.45	176.12	319.91	173.85	0.36
Q1	0.03722	0.606	0.801	-0.333	0.73	93.26	139.72	208.57	146.89	0.57
O1	0.03873	0.668	0.801	-0.274	0.73	94.62	98.39	334.07	105.10	0.7
NO1	0.04027	0.433	0.764	-0.075	0.77	136.81	139.50	7.87	138.72	0.32
K1	0.04178	0.876	0.752	-0.151	0.78	33.95	59.37	295.94	57.43	1.4
J1	0.04329	0.924	0.801	-0.367	0.73	92.56	71.22	245.82	76.24	1.3
OO1	0.04483	1.182	0.741	-0.598	0.79	23.32	132.36	96.96	127.40	2.5
UPS1	0.04634	0.456	0.729	0.020	0.80	176.16	212.46	262.90	193.62	0.39
EPS2	0.07618	0.328	0.412	0.129	0.42	86.93	95.70	249.03	93.83	0.64
MU2	0.07769	0.480	0.413	-0.154	0.42	73.78	57.77	211.31	56.70	1.4
N2	0.07900	2.383	0.423	0.133	0.41	12.77	9.60	185.35	9.84	32
M2	0.08051	9.443	0.422	-0.654	0.41	13.96	2.44	200.52	2.50	5e+002
L2	0.08202	0.367	0.423	-0.178	0.41	3.47	78.76	288.71	80.08	0.75
S2	0.08333	2.015	0.422	0.107	0.41	19.48	11.82	226.28	12.07	23
ETA2	0.08507	0.765	0.412	-0.421	0.42	88.08	84.22	344.74	83.01	3.5
MO3	0.11924	0.267	0.169	-0.125	0.17	94.19	58.18	49.70	58.99	2.5
M3	0.12077	0.122	0.167	-0.034	0.17	140.85	84.22	253.66	83.90	0.53
MK3	0.12229	0.202	0.168	0.018	0.17	58.59	51.53	359.49	52.04	1.4
SK3	0.12511	0.258	0.167	-0.020	0.17	37.53	42.07	61.42	41.84	2.4
MN4	0.15951	0.564	0.211	-0.073	0.19	17.44	18.03	128.64	20.41	7.2
M4	0.16102	0.575	0.207	-0.292	0.19	26.46	27.19	138.13	28.74	7.7
SN4	0.16233	0.228	0.186	-0.075	0.21	69.71	59.27	243.46	53.86	1.5
MS4	0.16384	0.185	0.185	-0.060	0.21	107.21	73.42	171.12	66.13	1
S4	0.16667	0.175	0.213	-0.046	0.18	3.01	67.32	220.57	77.12	0.67
2MK5	0.20280	0.053	0.096	-0.016	0.09	13.39	121.00	41.66	124.75	0.3
2SK5	0.20845	0.170	0.095	-0.032	0.09	39.91	37.63	68.50	37.88	3.2
2MN6	0.24002	0.154	0.128	-0.017	0.13	52.20	44.05	346.17	43.92	1.4
M6	0.24153	0.481	0.129	0.068	0.13	27.68	14.28	347.30	14.38	14
2MS6	0.24436	0.170	0.129	0.052	0.13	17.67	47.03	11.37	47.40	1.7
2SM6	0.24718	0.072	0.129	0.018	0.13	167.64	109.38	73.02	110.44	0.31
3MK7	0.28331	0.095	0.080	0.017	0.07	25.63	44.18	338.65	50.85	1.4
M8	0.32205	0.068	0.063	-0.008	0.05	6.63	36.70	291.66	47.31	1.2

total var= 123.3281 pred var= 61.8904  
 percent total var predicted= 50.2 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c4661.txt  
 date: 23-May-2005  
 nobs = 2831, ngood = 2831, record length (days) = 117.96  
 start time: 14-Feb-1996 14:00:00  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 0.255, x trend= 0

var(x)= 96.4153 var(xp)= 55.0653 var(xres)= 41.3499  
 percent var predicted= 57.1 %

x0= -0.438, x trend= 0

var(y)= 70.1457 var(yp)= 7.5937 var(yres)= 62.5519  
 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	1.903	1.833	0.473	1.40	87.12	47.23	150.22	59.83	1.1
MSF	0.00282	1.693	1.649	0.359	1.61	132.55	58.48	23.58	59.70	1.1
ALP1	0.03440	0.533	0.537	-0.205	0.58	37.87	97.24	156.33	91.99	0.99
2Q1	0.03571	0.672	0.627	-0.465	0.48	75.00	132.23	92.44	145.08	1.1
Q1	0.03722	0.536	0.624	-0.367	0.48	107.57	159.54	332.33	174.57	0.74
O1	0.03873	0.531	0.520	0.243	0.59	31.94	106.04	279.45	97.15	1
NO1	0.04027	0.415	0.472	0.009	0.63	170.13	103.31	39.34	77.07	0.77
K1	0.04178	1.435	0.549	-0.562	0.57	138.06	32.20	36.30	31.45	6.8
J1	0.04329	0.299	0.635	0.173	0.47	97.31	211.79	61.37	245.33	0.22
OO1	0.04483	1.322	0.624	-0.733	0.48	107.11	82.16	202.54	93.90	4.5
UPS1	0.04634	0.973	0.517	-0.602	0.60	31.11	135.67	132.93	127.39	3.5
EPS2	0.07618	0.773	0.651	-0.512	0.49	101.43	87.69	95.99	97.65	1.4
MU2	0.07769	0.355	0.657	0.050	0.48	93.22	79.45	299.79	106.48	0.29
N2	0.07900	1.586	0.526	0.372	0.62	27.77	23.34	194.44	20.05	9.1
M2	0.08051	9.762	0.494	-0.083	0.65	13.37	3.68	201.00	2.80	3.9e+002
L2	0.08202	0.569	0.621	-0.060	0.53	61.02	47.49	29.75	55.51	0.84
S2	0.08333	2.074	0.486	-0.215	0.66	173.39	18.39	46.62	13.74	18
ETA2	0.08507	1.135	0.532	-0.344	0.62	29.99	59.53	55.08	52.56	4.5
MO3	0.11924	0.372	0.208	0.099	0.22	145.57	43.31	114.35	42.02	3.2
M3	0.12077	0.142	0.202	-0.001	0.22	169.27	84.43	334.62	77.18	0.5
MK3	0.12229	0.272	0.219	-0.200	0.20	68.25	128.79	118.82	131.51	1.5
SK3	0.12511	0.092	0.219	-0.043	0.20	112.53	205.23	126.89	214.40	0.18
MN4	0.15951	0.254	0.164	-0.058	0.17	39.53	38.43	86.35	37.25	2.4
M4	0.16102	0.665	0.179	-0.209	0.15	74.03	14.56	79.98	16.55	14
SN4	0.16233	0.198	0.154	-0.044	0.18	161.42	53.34	174.64	46.71	1.6
MS4	0.16384	0.263	0.181	-0.169	0.15	92.73	68.40	103.93	73.79	2.1
S4	0.16667	0.110	0.166	-0.033	0.17	136.59	100.21	54.43	99.36	0.44
2MK5	0.20280	0.165	0.092	-0.017	0.11	101.21	40.92	278.71	34.01	3.2
2SK5	0.20845	0.126	0.098	-0.093	0.10	125.13	142.64	119.29	139.78	1.7
2MN6	0.24002	0.223	0.097	0.062	0.11	65.06	28.05	343.58	25.31	5.3
M6	0.24153	0.569	0.107	0.071	0.10	31.61	9.19	6.24	9.96	28
2MS6	0.24436	0.117	0.095	0.051	0.11	71.25	67.01	84.23	60.61	1.5
2SM6	0.24718	0.145	0.112	-0.068	0.09	174.51	53.06	242.93	59.60	1.7
3MK7	0.28331	0.048	0.075	0.021	0.07	50.10	123.22	38.62	124.33	0.4
M8	0.32205	0.122	0.054	-0.044	0.06	149.23	27.88	220.12	27.22	5

total var= 166.5609 pred var= 62.6591  
 percent total var predicted= 37.6 %

file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c4681.txt  
 date: 23-May-2005  
 nobs = 2685, ngood = 2685, record length (days) = 111.88  
 start time: 11-Jun-1996 16:00:00  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= -0.191, x trend= 0

var(x)= 95.1227 var(xp)= 39.357 var(xres)= 55.7657  
 percent var predicted= 41.4 %

x0= 1.73, x trend= 0

var(y)= 109.3571 var(yp)= 25.126 var(yres)= 84.2311  
 percent var predicted= 23.0 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	4.814	2.642	-0.016	1.36	91.82	16.23	195.04	31.44	3.3
MSF	0.00282	4.473	2.605	-2.088	1.43	78.60	30.78	328.25	44.05	2.9
ALP1	0.03440	0.772	0.581	0.019	0.50	73.26	46.54	270.18	54.39	1.8
2Q1	0.03571	0.526	0.562	-0.369	0.52	121.69	175.57	129.57	180.62	0.87
Q1	0.03722	0.444	0.586	0.058	0.49	81.14	80.93	352.15	96.17	0.57
O1	0.03873	0.607	0.588	-0.194	0.49	91.35	67.54	97.73	78.64	1.1
NO1	0.04027	1.068	0.567	-0.418	0.51	61.59	38.26	280.90	41.22	3.5
K1	0.04178	1.843	0.511	-1.063	0.57	152.14	33.71	84.15	31.99	13
J1	0.04329	1.286	0.588	-0.962	0.49	91.19	82.45	230.96	86.88	4.8
OO1	0.04483	1.492	0.571	-0.754	0.51	115.63	62.06	323.51	66.49	6.8
UPS1	0.04634	1.265	0.572	0.371	0.51	114.78	54.11	97.24	59.90	4.9
EPS2	0.07618	0.947	0.958	-0.386	0.82	29.83	66.48	128.31	74.22	0.98
MU2	0.07769	0.993	0.860	-0.560	0.92	51.80	86.07	159.35	82.95	1.3
N2	0.07900	2.627	1.004	0.069	0.76	14.36	16.04	167.61	21.06	6.8
M2	0.08051	7.226	1.019	1.248	0.75	1.90	6.04	192.02	8.10	50
L2	0.08202	0.983	0.794	-0.755	0.98	66.66	150.37	245.56	142.48	1.5
S2	0.08333	1.067	1.018	-0.073	0.75	176.08	40.54	40.72	55.12	1.1
ETA2	0.08507	0.857	0.932	-0.501	0.85	36.28	173.59	358.25	181.51	0.85
MO3	0.11924	0.344	0.284	0.047	0.28	49.15	57.21	87.75	57.61	1.5
M3	0.12077	0.252	0.276	-0.057	0.29	165.99	66.98	354.60	64.39	0.83
MK3	0.12229	0.331	0.280	-0.027	0.29	32.08	54.47	51.88	53.32	1.4
SK3	0.12511	0.382	0.289	-0.039	0.28	88.63	47.58	120.16	49.94	1.7
MN4	0.15951	0.460	0.215	0.044	0.21	17.62	24.89	95.18	25.23	4.6
M4	0.16102	0.914	0.216	-0.304	0.21	15.82	14.71	99.50	14.88	18
SN4	0.16233	0.130	0.216	-0.061	0.21	178.68	126.58	212.32	127.98	0.37
MS4	0.16384	0.580	0.213	-0.391	0.21	55.04	45.29	89.85	45.19	7.4
S4	0.16667	0.244	0.214	-0.136	0.21	44.55	83.45	143.19	83.47	1.3
2MK5	0.20280	0.046	0.123	0.014	0.16	177.18	231.53	35.71	190.18	0.14
2SK5	0.20845	0.169	0.123	-0.087	0.16	174.57	88.83	25.15	77.80	1.9
2MN6	0.24002	0.432	0.156	-0.093	0.16	39.01	19.77	321.79	19.81	7.7
M6	0.24153	0.603	0.156	-0.101	0.16	39.57	13.83	15.48	13.86	15
2MS6	0.24436	0.293	0.156	-0.008	0.15	24.55	28.26	62.38	28.47	3.5
2SM6	0.24718	0.151	0.155	0.003	0.16	133.82	57.08	38.98	57.05	0.95
3MK7	0.28331	0.097	0.111	-0.049	0.11	146.28	97.94	343.68	99.47	0.77
M8	0.32205	0.106	0.072	-0.055	0.07	84.48	52.33	277.04	52.39	2.1

total var= 204.4798 pred var= 64.483  
 percent total var predicted= 31.5 %



file name: C:\SCHTUFF\MASS\_BAY\MBLT\_REPORT\PLOTS2\c4771.txt  
 date: 23-May-2005  
 nobs = 2624, ngood = 2623, record length (days) = 109.33  
 start time: 01-Oct-1996 17:00:00  
 rayleigh criterion = 1.0  
 nodal corrections applied to amplitude and phase relative to center time

x0= 1.8, x trend= 0

var(x)= 66.9125 var(xp)= 44.2644 var(xres)= 22.6481  
 percent var predicted= 66.2 %

x0= -0.812, x trend= 0

var(y)= 53.3631 var(yp)= 15.3263 var(yres)= 38.0368  
 percent var predicted= 28.7 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	2.614	2.179	0.791	1.98	119.74	50.37	208.54	54.53	1.4
MSF	0.00282	1.159	2.203	0.211	1.95	64.90	101.99	309.63	114.15	0.28
ALP1	0.03440	0.475	0.377	-0.126	0.45	177.15	74.65	342.53	64.65	1.6
2Q1	0.03571	0.884	0.445	-0.063	0.38	94.73	31.20	49.41	36.72	3.9
Q1	0.03722	0.340	0.403	-0.135	0.42	142.87	112.70	54.26	109.08	0.71
O1	0.03873	0.645	0.378	-0.160	0.44	7.39	53.21	277.00	46.15	2.9
NO1	0.04027	0.411	0.426	-0.004	0.40	123.74	55.77	243.07	59.43	0.93
K1	0.04178	1.014	0.405	-0.464	0.42	38.69	37.18	280.44	36.31	6.3
J1	0.04329	0.401	0.441	-0.007	0.38	73.81	68.21	63.76	78.51	0.83
OO1	0.04483	0.915	0.445	-0.556	0.38	85.82	88.28	289.62	95.20	4.2
UPS1	0.04634	0.958	0.432	0.069	0.39	117.10	46.86	81.38	51.59	4.9
EPS2	0.07618	0.401	0.335	-0.198	0.30	172.88	65.10	305.16	69.32	1.4
MU2	0.07769	0.264	0.327	-0.080	0.31	28.84	75.41	91.08	79.08	0.65
N2	0.07900	1.733	0.327	-0.037	0.31	30.46	9.88	172.66	10.40	28
M2	0.08051	9.691	0.329	-0.387	0.31	26.38	1.76	202.83	1.88	8.7e+002
L2	0.08202	0.217	0.330	-0.182	0.31	156.99	357.95	154.07	362.58	0.43
S2	0.08333	1.422	0.323	-0.316	0.31	36.42	13.67	223.74	14.06	19
ETA2	0.08507	0.949	0.333	0.305	0.30	13.18	36.58	165.44	39.54	8.1
MO3	0.11924	0.123	0.190	0.039	0.14	78.04	96.07	195.48	119.78	0.42
M3	0.12077	0.141	0.173	-0.040	0.16	130.08	71.70	319.85	74.79	0.66
MK3	0.12229	0.069	0.179	0.035	0.16	122.37	221.32	327.12	238.15	0.15
SK3	0.12511	0.208	0.191	-0.126	0.14	97.15	90.69	267.40	103.37	1.2
MN4	0.15951	0.215	0.164	-0.101	0.16	37.50	56.40	75.33	57.42	1.7
M4	0.16102	0.629	0.154	-0.001	0.17	76.88	14.37	107.77	13.04	17
SN4	0.16233	0.151	0.168	0.042	0.16	156.03	64.81	342.79	68.96	0.81
MS4	0.16384	0.304	0.156	-0.070	0.17	65.59	33.06	150.68	31.01	3.8
S4	0.16667	0.223	0.154	0.083	0.17	75.19	53.65	88.30	49.95	2.1
2MK5	0.20280	0.079	0.091	-0.041	0.10	103.21	118.82	7.65	110.83	0.76
2SK5	0.20845	0.117	0.093	-0.015	0.10	63.03	57.38	52.66	53.09	1.6
2MN6	0.24002	0.219	0.088	0.145	0.08	67.88	39.93	329.01	42.46	6.1
M6	0.24153	0.332	0.079	0.212	0.09	34.15	25.72	330.41	24.85	18
2MS6	0.24436	0.153	0.090	0.037	0.07	87.05	28.02	52.84	34.16	2.8
2SM6	0.24718	0.037	0.088	-0.002	0.08	112.73	113.33	37.55	132.35	0.18
3MK7	0.28331	0.034	0.059	0.001	0.06	81.30	110.10	268.86	101.10	0.33
M8	0.32205	0.066	0.040	0.004	0.04	40.04	29.52	266.07	30.02	2.7

total var= 120.2756 pred var= 59.5907  
 percent total var predicted= 49.5 %