file name: E:\CSULLIVAN\SOUTH_CAROLINA\PLOTS\TTIDE\ttide_curr_740_6mbs.txt
date: 31-Jan-2005
nobs = 8139, ngood = 8137, record length (days) = 84.78
start time: 29-Jan-2004 15:30:00
rayleigh criterion = 1.0
Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 0.411, x trend= 0

var(x)= 57.0791   var(xp)= 21.919   var(xres)= 35.1601
percent var predicted= 38.4 %

x0= -0.31, x trend= 0

var(y)= 45.2338   var(yp)= 20.8367 var(yres)= 24.397
percent var predicted= 46.1 %

ellipse parameters with 95%% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	2.150	1.740	-0.155	1.74	43.73	46.60	296.20	46.72	1.5
MSF	0.00282	3.103	1.757	0.040	1.72	34.40	31.74	349.61	32.45	3.1
ALP1	0.03440	0.387	0.607	0.041	0.52	84.76	69.75	292.84	80.66	0.41
2Q1	0.03571	0.711	0.588	-0.049	0.55	60.00	39.73	307.44	42.80	1.5
Q1	0.03722	0.729	0.552	-0.163	0.58	34.87	43.47	260.30	41.47	1.7
O1	0.03873	0.613	0.563	-0.250	0.57	137.57	59.97	103.28	59.39	1.2
NO1	0.04027	0.588	0.524	-0.109	0.61	8.09	65.70	65.73	57.38	1.3
K1	0.04178	0.714	0.608	0.146	0.52	93.37	41.34	143.97	47.46	1.4
J1	0.04329	0.528	0.579	-0.417	0.55	53.18	185.64	123.28	187.47	0.83
OO1	0.04483	0.279	0.538	-0.154	0.59	155.75	133.15	17.65	126.24	0.27
UPS1	0.04634	0.267	0.523	-0.091	0.61	2.50	100.95	60.00	89.61	0.26
EPS2	0.07618	0.298	0.327	-0.075	0.23	14.16	54.53	233.75	74.72	0.83
MU2	0.07769	0.336	0.322	0.135	0.23	19.73	57.15	186.22	71.40	1.1
N2	0.07900	1.651	0.249	0.378	0.31	118.12	11.91	252.86	9.75	44
M2	0.08051	7.870	0.282	1.236	0.28	135.14	2.19	273.07	2.19	7.8e+002
L2	0.08202	0.402	0.244	0.027	0.31	64.40	36.56	221.68	28.48	2.7
S2	0.08333	1.892	0.281	0.159	0.28	134.58	8.63	307.76	8.59	45
ETA2	0.08507	0.325	0.331	0.003	0.22	173.36	32.44	168.47	48.59	0.96
MO3	0.11924	0.111	0.171	0.051	0.20	18.33	126.57	131.94	114.26	0.42
M3	0.12077	0.380	0.173	0.054	0.20	157.94	32.21	337.05	28.12	4.8
MK3	0.12229	0.135	0.204	-0.009	0.17	87.60	67.66	272.26	82.30	0.44
SK3	0.12511	0.254	0.182	0.103	0.19	142.06	50.84	346.13	49.13	1.9
MN4	0.15951	0.160	0.134	0.053	0.13	51.52	60.36	71.10	59.96	1.4
M4	0.16102	0.378	0.133	-0.051	0.14	115.57	22.36	123.92	21.87	8.1
SN4	0.16233	0.202	0.134	-0.004	0.13	46.12	39.19	211.88	39.13	2.3
MS4	0.16384	0.539	0.132	0.356	0.14	100.32	31.53	126.23	31.12	17
S4	0.16667	0.224	0.133	0.023	0.14	59.80	35.12	269.64	34.52	2.8
2MK5	0.20280	0.040	0.091	-0.012	0.10	147.74	157.79	290.82	145.51	0.2
2SK5	0.20845	0.133	0.090	-0.063	0.10	28.87	55.99	63.60	51.89	2.2
2MN6	0.24002	0.122	0.100	0.023	0.08	9.95	44.79	19.86	53.93	1.5
M6	0.24153	0.092	0.100	0.016	0.08	14.03	59.40	77.31	70.79	0.85
2MS6	0.24436	0.132	0.088	-0.054	0.10	57.02	56.38	89.06	53.05	2.3
2SM6	0.24718	0.044	0.101	-0.021	0.08	175.03	167.00	80.91	189.84	0.19
3MK7	0.28331	0.032	0.074	0.014	0.08	60.96	198.08	11.05	189.20	0.18
M8	0.32205	0.042	0.061	-0.024	0.06	103.89	162.06	55.57	164.14	0.47

total var= 102.3128   pred var= 42.7557
percent total var predicted= 41.8 %