file name: E:\CSULLIVAN\SOUTH_CAROLINA\PLOTS\TTIDE\ttide_curr_731_4mbs.txt
date: 31-Jan-2005
nobs = 8910, ngood = 2789, record length (days) = 92.81
start time: 29-Oct-2003 01:42:30
rayleigh criterion = 1.0
Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= -1.42, x trend= 0

var(x)= 54.022   var(xp)= 23.2767   var(xres)= 30.7452
percent var predicted= 43.1 %

x0= -3.38, x trend= 0

var(y)= 46.4705   var(yp)= 16.3006 var(yres)= 30.1699
percent var predicted= 35.1 %

ellipse parameters with 95%% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	3.071	0.304	-1.760	0.36	62.09	11.02	227.24	10.17	1e+002
MSF	0.00282	4.330	0.328	-0.226	0.33	47.03	4.44	192.47	4.36	1.7e+002
ALP1	0.03440	0.593	0.319	-0.071	0.34	52.49	30.09	89.61	28.04	3.5
2Q1	0.03571	0.546	0.315	-0.151	0.35	125.00	36.69	49.26	33.78	3
Q1	0.03722	0.548	0.337	-0.139	0.32	41.16	33.44	80.18	34.57	2.6
O1	0.03873	0.475	0.301	0.062	0.36	115.79	38.90	68.50	32.80	2.5
NO1	0.04027	0.424	0.326	-0.096	0.34	48.09	45.67	71.28	44.44	1.7
K1	0.04178	1.117	0.338	0.723	0.32	40.92	31.87	14.15	32.39	11
J1	0.04329	0.604	0.320	0.218	0.34	51.80	35.81	73.70	34.03	3.6
OO1	0.04483	0.236	0.295	0.097	0.36	111.44	75.69	172.69	65.32	0.64
UPS1	0.04634	0.482	0.350	-0.185	0.31	32.77	31.41	186.48	34.26	1.9
EPS2	0.07618	0.740	0.310	-0.415	0.31	79.33	43.33	226.13	43.39	5.7
MU2	0.07769	0.837	0.310	0.391	0.31	80.10	31.08	221.99	31.13	7.3
N2	0.07900	1.515	0.309	0.428	0.31	137.25	13.58	265.05	13.58	24
M2	0.08051	5.651	0.309	2.068	0.31	156.07	3.96	286.21	3.95	3.3e+002
L2	0.08202	0.383	0.309	0.113	0.31	16.92	46.18	113.52	46.09	1.5
S2	0.08333	1.144	0.309	0.186	0.31	168.10	16.11	276.92	16.07	14
ETA2	0.08507	0.247	0.309	-0.077	0.31	68.43	69.51	122.10	69.62	0.64
MO3	0.11924	0.235	0.268	0.094	0.29	105.74	81.69	330.57	76.34	0.77
M3	0.12077	0.271	0.294	0.101	0.27	165.26	73.34	5.80	78.84	0.85
MK3	0.12229	0.450	0.272	0.016	0.29	61.67	34.95	233.54	32.92	2.7
SK3	0.12511	0.348	0.295	0.148	0.27	12.55	54.49	39.72	58.38	1.4
MN4	0.15951	0.359	0.164	0.032	0.20	124.60	34.34	104.33	27.99	4.8
M4	0.16102	0.430	0.221	-0.208	0.14	160.12	31.90	82.95	42.28	3.8
SN4	0.16233	0.162	0.214	-0.105	0.15	26.37	125.66	164.95	145.26	0.58
MS4	0.16384	0.460	0.180	0.102	0.19	132.97	25.73	138.54	24.79	6.5
S4	0.16667	0.214	0.157	0.044	0.21	121.11	58.60	287.04	45.55	1.8
2MK5	0.20280	0.131	0.136	0.010	0.18	75.12	78.33	309.15	58.27	0.93
2SK5	0.20845	0.206	0.132	-0.108	0.19	95.63	70.21	194.72	58.13	2.4
2MN6	0.24002	0.138	0.176	0.067	0.19	99.66	124.87	181.72	117.73	0.62
M6	0.24153	0.440	0.193	-0.002	0.18	15.14	24.81	24.86	27.09	5.2
2MS6	0.24436	0.305	0.189	-0.054	0.18	32.09	37.48	12.10	39.06	2.6
2SM6	0.24718	0.310	0.194	-0.105	0.18	2.81	39.99	241.36	43.32	2.6
3MK7	0.28331	0.224	0.131	0.034	0.16	65.47	41.36	94.84	34.62	2.9
M8	0.32205	0.096	0.135	0.000	0.15	102.61	100.87	176.70	89.77	0.5

total var= 100.4925   pred var= 39.5774
percent total var predicted= 39.4 %