

file name: E:\CSULLIVAN\SOUTH_CAROLINA\PLOTS\TTIDE\ttide_curr_740_surface.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= 1.57, x trend= 0

var(x)= 391.6854 var(xp)= 75.2559 var(xres)= 316.4295

percent var predicted= 19.2 %

x0= -0.056, x trend= 0

var(y)= 316.3403 var(yp)= 46.7462 var(yres)= 269.5941

percent var predicted= 14.8 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	4.595	3.496	0.869	5.77	177.38	75.08	135.49	47.35	1.7
MSF	0.00282	9.227	4.032	1.302	5.41	26.04	34.45	341.16	26.00	5.2
ALP1	0.03440	0.904	1.584	0.140	1.44	101.87	83.49	357.89	91.75	0.33
2Q1	0.03571	1.956	1.450	-0.225	1.57	21.00	42.09	231.60	38.93	1.8
Q1	0.03722	1.080	1.428	0.082	1.59	179.35	75.21	128.98	67.58	0.57
O1	0.03873	2.337	1.585	0.888	1.43	101.63	38.82	115.41	41.80	2.2
NO1	0.04027	1.996	1.573	-0.669	1.45	70.18	52.82	63.03	56.44	1.6
K1	0.04178	4.747	1.586	-2.538	1.43	100.08	25.86	53.34	27.36	9
J1	0.04329	1.165	1.562	-0.082	1.46	64.37	65.02	283.19	69.52	0.56
OO1	0.04483	0.863	1.442	-0.338	1.58	163.03	89.35	202.39	83.67	0.36
UPS1	0.04634	1.105	1.563	-0.483	1.46	115.26	67.81	142.13	71.05	0.5
EPS2	0.07618	1.318	1.656	-0.581	1.79	10.95	114.00	138.65	108.32	0.63
MU2	0.07769	2.366	1.678	-0.154	1.77	25.64	44.93	203.47	42.72	2
N2	0.07900	1.464	1.655	-0.370	1.79	9.65	78.97	184.07	73.80	0.78
M2	0.08051	6.367	1.702	2.276	1.74	143.43	19.59	293.69	19.23	14
L2	0.08202	1.247	1.671	0.207	1.77	158.25	68.83	87.77	65.08	0.56
S2	0.08333	3.055	1.668	2.635	1.78	159.84	167.03	294.09	165.51	3.4
ETA2	0.08507	1.356	1.665	-0.300	1.78	162.20	67.10	333.86	63.18	0.66
MO3	0.11924	0.557	0.796	0.194	0.60	105.54	68.85	318.69	86.19	0.49
M3	0.12077	0.902	0.796	-0.568	0.60	105.58	85.37	37.26	96.47	1.3
MK3	0.12229	1.329	0.810	-0.037	0.58	86.75	23.52	235.46	33.01	2.7
SK3	0.12511	0.971	0.803	0.007	0.59	101.09	31.71	259.95	43.46	1.5
MN4	0.15951	0.820	0.538	0.404	0.48	116.32	53.19	208.94	57.30	2.3
M4	0.16102	1.030	0.536	-0.012	0.48	118.14	28.17	201.63	31.51	3.7
SN4	0.16233	0.326	0.536	-0.166	0.48	117.57	133.95	147.95	143.34	0.37
MS4	0.16384	0.805	0.554	-0.175	0.46	80.66	36.24	47.84	43.16	2.1
S4	0.16667	0.474	0.472	0.034	0.54	23.79	65.76	274.77	57.46	1
2MK5	0.20280	0.539	0.377	0.131	0.36	100.11	40.63	100.36	42.54	2
2SK5	0.20845	0.092	0.368	-0.088	0.37	134.39	2787.11	174.63	2787.29	0.063
2MN6	0.24002	1.032	0.320	-0.104	0.32	179.56	19.81	186.03	19.65	10
M6	0.24153	1.402	0.321	-0.039	0.32	152.83	14.35	187.34	14.28	19
2MS6	0.24436	0.665	0.320	-0.329	0.32	2.21	43.41	11.91	43.19	4.3
2SM6	0.24718	0.234	0.320	-0.160	0.32	164.39	184.24	277.84	183.77	0.53
3MK7	0.28331	0.288	0.230	-0.083	0.25	106.03	55.57	297.76	52.13	1.6
M8	0.32205	0.679	0.170	-0.225	0.17	163.01	18.77	350.65	18.96	16

total var= 708.0257 pred var= 122.0021

percent total var predicted= 17.2 %