

file name: E:\CSULLIVAN\SOUTH_CAROLINA\PLOTS\TTIDE\ttide_curr_720_surface.txt

date: 31-Jan-2005

nobs = 8161, ngood = 8101, record length (days) = 85.01

start time: 28-Oct-2003 18:45:00

rayleigh criterion = 1.0

Greenwich phase computed with nodal corrections applied to amplitude and phase relative to center time

x0= 2.77, x trend= 0

var(x)= 227.4619 var(xp)= 32.8417 var(xres)= 194.6202

percent var predicted= 14.4 %

x0= -2.96, x trend= 0

var(y)= 313.5501 var(yp)= 51.4666 var(yres)= 262.0835

percent var predicted= 16.4 %

ellipse parameters with 95% CI estimates

tide	freq	major	emaj	minor	emin	inc	einc	pha	epha	snr
MM	0.00151	3.857	3.153	0.337	3.08	49.87	46.28	264.95	47.37	1.5
MSF	0.00282	3.803	3.205	0.643	3.03	57.14	47.68	253.07	50.35	1.4
ALP1	0.03440	1.592	1.115	-0.928	0.83	79.08	51.15	66.36	58.97	2
2Q1	0.03571	0.979	1.119	-0.367	0.83	98.51	57.06	43.59	71.54	0.77
Q1	0.03722	1.518	1.115	0.581	0.83	100.93	36.85	259.73	45.76	1.9
O1	0.03873	1.511	1.048	0.612	0.91	121.89	40.21	219.80	44.36	2.1
NO1	0.04027	0.811	0.830	-0.207	1.12	169.21	79.55	30.06	61.50	0.95
K1	0.04178	3.204	1.109	-2.386	0.84	104.11	43.65	315.57	47.19	8.3
J1	0.04329	1.472	1.124	-0.599	0.82	86.72	39.77	275.00	49.72	1.7
OO1	0.04483	0.524	1.098	-0.130	0.85	71.66	70.53	183.98	88.09	0.23
UPS1	0.04634	0.519	1.038	0.116	0.92	124.03	73.75	317.62	81.89	0.25
EPS2	0.07618	1.902	1.772	-0.453	1.67	78.74	59.49	120.79	62.82	1.2
MU2	0.07769	1.967	1.774	-0.562	1.66	97.46	57.36	269.82	60.55	1.2
N2	0.07900	2.873	1.773	-0.100	1.66	98.37	34.19	290.39	36.42	2.6
M2	0.08051	7.934	1.717	-0.562	1.72	136.61	12.86	316.52	12.81	21
L2	0.08202	1.601	1.753	0.858	1.69	62.83	85.02	263.17	86.85	0.83
S2	0.08333	1.681	1.681	-0.077	1.76	156.52	60.03	270.61	57.40	1
ETA2	0.08507	1.164	1.666	-0.531	1.77	169.33	100.11	5.67	96.16	0.49
MO3	0.11924	1.103	0.785	0.146	0.59	110.51	28.49	20.70	37.66	2
M3	0.12077	0.982	0.713	0.055	0.67	130.59	40.99	343.18	43.39	1.9
MK3	0.12229	2.163	0.750	-0.901	0.63	121.56	21.43	97.29	24.14	8.3
SK3	0.12511	0.864	0.772	-0.128	0.61	115.27	38.53	176.95	48.56	1.3
MN4	0.15951	1.474	0.752	0.157	0.58	107.80	24.07	175.65	31.29	3.8
M4	0.16102	2.370	0.707	0.344	0.63	124.74	16.60	196.94	18.51	11
SN4	0.16233	1.258	0.727	-0.193	0.61	118.09	29.54	357.49	35.12	3
MS4	0.16384	0.566	0.661	-0.047	0.68	137.41	71.15	93.67	69.28	0.73
S4	0.16667	0.596	0.770	0.181	0.55	93.32	63.26	313.81	83.13	0.6
2MK5	0.20280	0.529	0.435	-0.281	0.33	57.69	59.48	317.34	68.96	1.5
2SK5	0.20845	0.331	0.241	-0.212	0.49	179.03	139.98	165.83	107.90	1.9
2MN6	0.24002	0.669	0.415	-0.002	0.48	149.12	44.33	179.83	38.40	2.6
M6	0.24153	0.967	0.419	-0.254	0.47	147.22	33.50	204.00	30.04	5.3
2MS6	0.24436	0.646	0.444	-0.269	0.45	136.44	55.05	236.87	54.47	2.1
2SM6	0.24718	0.688	0.509	-0.015	0.38	97.56	32.17	262.34	43.39	1.8
3MK7	0.28331	0.670	0.280	0.030	0.26	123.87	22.30	235.56	23.93	5.7
M8	0.32205	0.758	0.165	-0.151	0.19	149.55	16.61	16.88	14.70	21

total var= 541.0121 pred var= 84.3084

percent total var predicted= 15.6 %