

Frequenza Ampiezza e Fase dei costituenti di marea

Imperia

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore,minuti,secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				5.0687	.00
2	SA	0.00011407	8766	32	48.69	7.9995	255.98
3	SSA	0.00022816	4382	53	21.12	7.3266	98.79
4	MSM	0.00130978	763	29	13.19	.8949	238.62
5	MM	0.00151215	661	18	36.20	1.4250	131.63
6	MSF	0.00282193	354	22	02.64	1.3570	296.40
7	MF	0.00305009	327	51	33.04	.5733	170.22
8	ALP1	0.03439657	29	04	21.60	.1204	41.93
9	2Q1	0.03570635	28	00	22.40	.2161	273.75
10	SIG1	0.03590872	27	50	54.20	.1393	303.85
11	Q1	0.03721850	26	52	06.09	.3696	11.93
12	RHO1	0.03742087	26	43	23.00	.0624	12.28
13	O1	0.03873065	25	49	09.64	1.6643	106.08
14	TAU1	0.03895881	25	40	05.29	.0203	231.79
15	BET1	0.04004043	24	58	29.12	.0985	128.41
16	NOL	0.04026859	24	49	59.70	.3022	151.69
17	CHI1	0.04047097	24	42	32.65	.0630	141.52
18	PI1	0.04143851	24	07	55.71	.2188	123.90
19	P1	0.04155259	24	03	57.20	1.1367	173.72
20	S1	0.04166667	23	59	59.99	.4505	191.33
21	K1	0.04178075	23	56	04.08	3.5090	177.93
22	PSI1	0.04189482	23	52	09.48	.1384	337.47
23	PHI1	0.04200891	23	48	16.11	.1619	204.28
24	THE1	0.04309053	23	12	25.04	.0592	93.80
25	J1	0.04329290	23	05	54.51	.1312	207.73
26	SOL	0.04460268	22	25	12.64	.0841	92.24
27	OO1	0.04483084	22	18	21.86	.0933	12.66
28	UPS1	0.04634299	21	34	41.65	.0135	105.68
29	OQ2	0.07597494	13	09	44.05	.0258	142.03
30	EPS2	0.07617731	13	07	38.17	.0755	163.27
31	2N2	0.07748710	12	54	19.35	.2484	176.96
32	MU2	0.07768947	12	52	18.33	.3002	183.72
33	N2	0.07899925	12	39	30.05	1.5303	197.59
34	NU2	0.07920162	12	37	33.62	.2990	177.36
35	H1	0.08039733	12	26	17.61	.2743	345.38
36	M2	0.08051140	12	25	14.16	7.7606	208.98
37	H2	0.08062547	12	24	10.90	.3358	97.81
38	MKS2	0.08073957	12	23	07.80	.2694	283.55
39	LDA2	0.08182118	12	13	18.39	.0376	300.12
40	L2	0.08202355	12	11	29.83	.2009	219.80
41	T2	0.08321926	12	00	59.22	.2802	215.76
42	S2	0.08333334	11	59	60.00	2.9599	224.46
43	R2	0.08344740	11	59	00.95	.1238	282.33
44	K2	0.08356149	11	58	02.05	.8291	226.17
45	MSN2	0.08484548	11	47	10.07	.0106	98.18
46	ETA2	0.08507364	11	45	16.28	.1043	239.84
47	MO3	0.11924210	08	23	10.68	.0083	311.19
48	M3	0.12076710	08	16	49.44	.0794	157.24
49	SO3	0.12206400	08	11	32.73	.0094	68.06
50	MK3	0.12229210	08	10	37.72	.0549	104.28
51	SK3	0.12511410	07	59	33.74	.0945	121.99
52	MN4	0.15951060	06	16	09.03	.1893	263.00
53	M4	0.16102280	06	12	37.08	.4606	307.94
54	SN4	0.16233260	06	09	36.69	.0504	330.99
55	MS4	0.16384470	06	06	12.03	.3005	16.88
56	MK4	0.16407290	06	05	41.47	.0969	48.14
57	S4	0.16666670	05	59	60.00	.0606	235.24
58	SK4	0.16689480	05	59	30.47	.0260	214.88
59	2MK5	0.20280360	04	55	51.16	.0188	267.22
60	2SK5	0.20844740	04	47	50.54	.0173	301.11

Frequenza Ampiezza e Fase dei costituenti di marea

Genova

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore,minuti,secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				8.4019	.00
2	SA	0.00011407	8766	32	48.69	7.8595	251.26
3	SSA	0.00022816	4382	53	21.12	7.7155	97.78
4	MSM	0.00130978	763	29	13.19	.9398	229.06
5	MM	0.00151215	661	18	36.20	1.5617	128.17
6	MSF	0.00282193	354	22	02.64	1.2805	289.56
7	MF	0.00305009	327	51	33.04	.7977	162.78
8	ALP1	0.03439657	29	04	21.60	.0807	38.04
9	2Q1	0.03570635	28	00	22.40	.2078	265.51
10	SIG1	0.03590872	27	50	54.20	.1177	284.50
11	Q1	0.03721850	26	52	06.09	.3352	4.69
12	RHO1	0.03742087	26	43	23.00	.0975	9.96
13	O1	0.03873065	25	49	09.64	1.6182	98.29
14	TAU1	0.03895881	25	40	05.29	.0472	185.72
15	BET1	0.04004043	24	58	29.12	.1096	137.87
16	NO1	0.04026859	24	49	59.70	.2914	136.00
17	CHI1	0.04047097	24	42	32.65	.1134	142.77
18	PI1	0.04143851	24	07	55.71	.2208	116.99
19	P1	0.04155259	24	03	57.20	1.0714	169.40
20	S1	0.04166667	23	59	59.99	.3215	221.07
21	K1	0.04178075	23	56	04.08	3.6640	172.91
22	PSI1	0.04189482	23	52	09.48	.2000	291.54
23	PHI1	0.04200891	23	48	16.11	.1235	171.29
24	THE1	0.04309053	23	12	25.04	.0215	316.89
25	J1	0.04329290	23	05	54.51	.1371	198.43
26	SO1	0.04460268	22	25	12.64	.0756	62.62
27	OO1	0.04483084	22	18	21.86	.1092	10.87
28	UPS1	0.04634299	21	34	41.65	.0696	.90
29	OQ2	0.07597494	13	09	44.05	.0437	133.23
30	EPS2	0.07617731	13	07	38.17	.0991	132.11
31	2N2	0.07748710	12	54	19.35	.2663	168.08
32	MU2	0.07768947	12	52	18.33	.2945	162.79
33	N2	0.07899925	12	39	30.05	1.6885	184.71
34	NU2	0.07920162	12	37	33.62	.3123	181.78
35	H1	0.08039733	12	26	17.61	.0386	145.24
36	M2	0.08051140	12	25	14.16	8.6224	194.48
37	H2	0.08062547	12	24	10.90	.0450	275.99
38	MKS2	0.08073957	12	23	07.80	.0985	232.76
39	LDA2	0.08182118	12	13	18.39	.0851	193.65
40	L2	0.08202355	12	11	29.83	.2225	192.71
41	T2	0.08321926	12	00	59.22	.1715	203.84
42	S2	0.08333334	11	59	60.00	3.4298	209.76
43	R2	0.08344740	11	59	00.95	.0298	208.56
44	K2	0.08356149	11	58	02.05	.9419	208.96
45	MSN2	0.08484548	11	47	10.07	.0317	49.40
46	ETA2	0.08507364	11	45	16.28	.0561	229.66
47	MO3	0.11924210	08	23	10.68	.0431	280.78
48	M3	0.12076710	08	16	49.44	.1357	125.42
49	SO3	0.12206400	08	11	32.73	.0652	215.66
50	MK3	0.12229210	08	10	37.72	.0037	346.67
51	SK3	0.12511410	07	59	33.74	.0961	84.97
52	MN4	0.15951060	06	16	09.03	.2372	240.82
53	M4	0.16102280	06	12	37.08	.6063	281.26
54	SN4	0.16233260	06	09	36.69	.0759	290.85
55	MS4	0.16384470	06	06	12.03	.4023	342.54
56	MK4	0.16407290	06	05	41.47	.0850	352.04
57	S4	0.16666670	05	59	60.00	.0210	174.42
58	SK4	0.16689480	05	59	30.47	.0356	178.92
59	2MK5	0.20280360	04	55	51.16	.0373	258.07
60	2SK5	0.20844740	04	47	50.54	.0435	264.22

Frequenza Ampiezza e Fase dei costituenti di marea

Livorno

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. - Frequenze in cicli/ora

Periodi in ore, minuti, secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				2.1808	180.00
2	SA	0.00011407	8766	32	48.69	8.2466	257.68
3	SSA	0.00022816	4382	53	21.12	8.2924	98.61
4	MSM	0.00130978	763	29	13.19	1.0333	242.92
5	MM	0.00151215	661	18	36.20	1.3229	120.65
6	MSF	0.00282193	354	22	02.64	1.2582	300.99
7	MF	0.00305009	327	51	33.04	.6347	174.80
8	ALP1	0.03439657	29	04	21.60	.1032	46.89
9	2Q1	0.03570635	28	00	22.40	.2248	253.65
10	SIG1	0.03590872	27	50	54.20	.2261	280.06
11	Q1	0.03721850	26	52	06.09	.3313	4.27
12	RHO1	0.03742087	26	43	23.00	.0923	27.91
13	O1	0.03873065	25	49	09.64	1.6963	96.42
14	TAU1	0.03895881	25	40	05.29	.0626	189.47
15	BET1	0.04004043	24	58	29.12	.1618	128.35
16	NO1	0.04026859	24	49	59.70	.3524	138.81
17	CHI1	0.04047097	24	42	32.65	.0775	181.30
18	PI1	0.04143851	24	07	55.71	.2035	116.31
19	P1	0.04155259	24	03	57.20	1.1283	164.19
20	S1	0.04166667	23	59	59.99	.4868	191.60
21	K1	0.04178075	23	56	04.08	3.7813	170.92
22	PSI1	0.04189482	23	52	09.48	.2206	279.39
23	PHI1	0.04200891	23	48	16.11	.1590	147.42
24	THE1	0.04309053	23	12	25.04	.0132	330.78
25	J1	0.04329290	23	05	54.51	.1244	216.86
26	SO1	0.04460268	22	25	12.64	.0685	66.23
27	OO1	0.04483084	22	18	21.86	.2197	17.09
28	UPS1	0.04634299	21	34	41.65	.0674	240.33
29	OQ2	0.07597494	13	09	44.05	.0719	225.24
30	EPS2	0.07617731	13	07	38.17	.0428	144.98
31	2N2	0.07748710	12	54	19.35	.2402	185.20
32	MU2	0.07768947	12	52	18.33	.2696	167.82
33	N2	0.07899925	12	39	30.05	1.9021	190.96
34	NU2	0.07920162	12	37	33.62	.4126	186.93
35	H1	0.08039733	12	26	17.61	.0995	97.91
36	M2	0.08051140	12	25	14.16	9.4796	200.16
37	H2	0.08062547	12	24	10.90	.0676	346.45
38	MKS2	0.08073957	12	23	07.80	.0756	259.08
39	LDA2	0.08182118	12	13	18.39	.0899	203.70
40	L2	0.08202355	12	11	29.83	.2216	202.09
41	T2	0.08321926	12	00	59.22	.1728	210.29
42	S2	0.08333334	11	59	60.00	3.6303	216.66
43	R2	0.08344740	11	59	00.95	.0848	223.77
44	K2	0.08356149	11	58	02.05	.9595	214.34
45	MSN2	0.08484548	11	47	10.07	.0318	192.05
46	ETA2	0.08507364	11	45	16.28	.0929	248.35
47	MO3	0.11924210	08	23	10.68	.0774	131.43
48	M3	0.12076710	08	16	49.44	.0586	88.29
49	SO3	0.12206400	08	11	32.73	.0186	127.17
50	MK3	0.12229210	08	10	37.72	.0232	42.32
51	SK3	0.12511410	07	59	33.74	.0589	38.90
52	MN4	0.15951060	06	16	09.03	.1791	231.76
53	M4	0.16102280	06	12	37.08	.5656	274.87
54	SN4	0.16233260	06	09	36.69	.0454	248.68
55	MS4	0.16384470	06	06	12.03	.3608	345.60
56	MK4	0.16407290	06	05	41.47	.1146	354.56
57	S4	0.16666670	05	59	60.00	.1208	179.80
58	SK4	0.16689480	05	59	30.47	.0318	178.27
59	2MK5	0.20280360	04	55	51.16	.0402	276.56
60	2SK5	0.20844740	04	47	50.54	.0252	12.29

Frequenza Ampiezza e Fase dei costituenti di marea

Civitavecchia

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore,minuti,secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				.5517	360.00
2	SA	0.00011407	8766	32	48.69	5.9428	272.37
3	SSA	0.00022816	4382	53	21.12	6.2008	91.60
4	MSM	0.00130978	763	29	13.19	.4334	197.01
5	MM	0.00151215	661	18	36.20	.7090	139.65
6	MSF	0.00282193	354	22	02.64	1.0192	308.06
7	MF	0.00305009	327	51	33.04	.1185	153.59
8	ALP1	0.03439657	29	04	21.60	.0816	56.88
9	2Q1	0.03570635	28	00	22.40	.1828	276.80
10	SIG1	0.03590872	27	50	54.20	.1906	296.48
11	Q1	0.03721850	26	52	06.09	.3049	5.48
12	RHO1	0.03742087	26	43	23.00	.0269	65.95
13	O1	0.03873065	25	49	09.64	1.0561	92.48
14	TAU1	0.03895881	25	40	05.29	.0372	99.13
15	BET1	0.04004043	24	58	29.12	.0241	159.65
16	NO1	0.04026859	24	49	59.70	.1991	166.29
17	CHI1	0.04047097	24	42	32.65	.0581	188.37
18	PI1	0.04143851	24	07	55.71	.1608	113.33
19	P1	0.04155259	24	03	57.20	.6436	177.49
20	S1	0.04166667	23	59	59.99	.2438	204.39
21	K1	0.04178075	23	56	04.08	2.4251	181.92
22	PSI1	0.04189482	23	52	09.48	.0807	271.39
23	PHI1	0.04200891	23	48	16.11	.0198	213.40
24	THE1	0.04309053	23	12	25.04	.0645	117.72
25	J1	0.04329290	23	05	54.51	.1478	215.54
26	SO1	0.04460268	22	25	12.64	.1104	53.12
27	OO1	0.04483084	22	18	21.86	.0894	351.75
28	UPS1	0.04634299	21	34	41.65	.0475	131.05
29	OQ2	0.07597494	13	09	44.05	.0636	176.92
30	EPS2	0.07617731	13	07	38.17	.1627	184.78
31	2N2	0.07748710	12	54	19.35	.3354	179.58
32	MU2	0.07768947	12	52	18.33	.2524	185.39
33	N2	0.07899925	12	39	30.05	2.0393	201.65
34	NU2	0.07920162	12	37	33.62	.4928	201.33
35	H1	0.08039733	12	26	17.61	.3850	100.98
36	M2	0.08051140	12	25	14.16	9.7544	214.81
37	H2	0.08062547	12	24	10.90	.5233	56.48
38	MKS2	0.08073957	12	23	07.80	.3405	293.25
39	LDA2	0.08182118	12	13	18.39	.0780	143.04
40	L2	0.08202355	12	11	29.83	.1937	234.97
41	T2	0.08321926	12	00	59.22	.3401	268.02
42	S2	0.08333334	11	59	60.00	3.3585	233.74
43	R2	0.08344740	11	59	00.95	.2637	282.02
44	K2	0.08356149	11	58	02.05	.9031	232.95
45	MSN2	0.08484548	11	47	10.07	.0306	126.20
46	ETA2	0.08507364	11	45	16.28	.0726	209.93
47	MO3	0.11924210	08	23	10.68	.0736	340.12
48	M3	0.12076710	08	16	49.44	.2912	333.73
49	SO3	0.12206400	08	11	32.73	.1512	337.77
50	MK3	0.12229210	08	10	37.72	.1761	353.66
51	SK3	0.12511410	07	59	33.74	.1736	301.88
52	MN4	0.15951060	06	16	09.03	.2229	11.13
53	M4	0.16102280	06	12	37.08	.4945	35.99
54	SN4	0.16233260	06	09	36.69	.0195	47.69
55	MS4	0.16384470	06	06	12.03	.2804	55.12
56	MK4	0.16407290	06	05	41.47	.1644	27.68
57	S4	0.16666670	05	59	60.00	.0578	75.76
58	SK4	0.16689480	05	59	30.47	.0468	10.73
59	2MK5	0.20280360	04	55	51.16	.0672	81.30
60	2SK5	0.20844740	04	47	50.54	.0221	136.78

Frequenza Ampiezza e Fase dei costituenti di marea

Napoli

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. - Frequenze in cicli/ora

Periodi in ore, minuti, secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				11.0697	180.00
2	SA	0.00011407	8766	32	48.69	6.8705	273.47
3	SSA	0.00022816	4382	53	21.12	6.9610	102.62
4	MSM	0.00130978	763	29	13.19	.3499	197.98
5	MM	0.00151215	661	18	36.20	.3344	229.13
6	MSF	0.00282193	354	22	02.64	.8009	313.12
7	MF	0.00305009	327	51	33.04	.1073	280.64
8	ALP1	0.03439657	29	04	21.60	.1086	62.72
9	2Q1	0.03570635	28	00	22.40	.1739	270.33
10	SIG1	0.03590872	27	50	54.20	.1063	308.47
11	Q1	0.03721850	26	52	06.09	.2998	7.29
12	RHO1	0.03742087	26	43	23.00	.0686	316.46
13	O1	0.03873065	25	49	09.64	1.0688	96.39
14	TAU1	0.03895881	25	40	05.29	.0450	105.12
15	BET1	0.04004043	24	58	29.12	.0756	151.03
16	NO1	0.04026859	24	49	59.70	.2883	150.09
17	CHI1	0.04047097	24	42	32.65	.0022	45.76
18	PI1	0.04143851	24	07	55.71	.1415	93.35
19	P1	0.04155259	24	03	57.20	.7907	176.58
20	S1	0.04166667	23	59	59.99	.3597	183.86
21	K1	0.04178075	23	56	04.08	2.8948	187.22
22	PSI1	0.04189482	23	52	09.48	.1238	212.07
23	PHI1	0.04200891	23	48	16.11	.1379	156.49
24	THE1	0.04309053	23	12	25.04	.0124	217.23
25	J1	0.04329290	23	05	54.51	.1734	224.27
26	SO1	0.04460268	22	25	12.64	.0392	102.61
27	OO1	0.04483084	22	18	21.86	.0544	280.81
28	UPS1	0.04634299	21	34	41.65	.0582	248.71
29	OQ2	0.07597494	13	09	44.05	.0929	130.51
30	EPS2	0.07617731	13	07	38.17	.1109	138.01
31	2N2	0.07748710	12	54	19.35	.3332	165.54
32	MU2	0.07768947	12	52	18.33	.3835	165.65
33	N2	0.07899925	12	39	30.05	2.3986	190.08
34	NU2	0.07920162	12	37	33.62	.4606	193.34
35	H1	0.08039733	12	26	17.61	.0745	104.13
36	M2	0.08051140	12	25	14.16	12.0408	202.82
37	H2	0.08062547	12	24	10.90	.0671	41.68
38	MKS2	0.08073957	12	23	07.80	.0265	169.66
39	LDA2	0.08182118	12	13	18.39	.0428	176.01
40	L2	0.08202355	12	11	29.83	.2174	214.65
41	T2	0.08321926	12	00	59.22	.3073	214.36
42	S2	0.08333334	11	59	60.00	4.3960	223.17
43	R2	0.08344740	11	59	00.95	.0450	200.75
44	K2	0.08356149	11	58	02.05	1.1603	220.69
45	MSN2	0.08484548	11	47	10.07	.0204	349.45
46	ETA2	0.08507364	11	45	16.28	.0956	231.12
47	MO3	0.11924210	08	23	10.68	.0853	35.16
48	M3	0.12076710	08	16	49.44	.3719	319.01
49	SO3	0.12206400	08	11	32.73	.1149	4.30
50	MK3	0.12229210	08	10	37.72	.0734	314.84
51	SK3	0.12511410	07	59	33.74	.2440	256.96
52	MN4	0.15951060	06	16	09.03	.1535	52.80
53	M4	0.16102280	06	12	37.08	.3836	83.39
54	SN4	0.16233260	06	09	36.69	.0408	107.17
55	MS4	0.16384470	06	06	12.03	.1821	136.98
56	MK4	0.16407290	06	05	41.47	.0453	126.23
57	S4	0.16666670	05	59	60.00	.0295	91.54
58	SK4	0.16689480	05	59	30.47	.0248	35.32
59	2MK5	0.20280360	04	55	51.16	.0117	74.03
60	2SK5	0.20844740	04	47	50.54	.0198	198.17

Frequenza Ampiezza e Fase dei costituenti di marea

Salerno

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore,minuti,secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				15.8338	180.00
2	SA	0.00011407	8766	32	48.69	8.5474	266.71
3	SSA	0.00022816	4382	53	21.12	6.4804	95.96
4	MSM	0.00130978	763	29	13.19	.3853	249.52
5	MM	0.00151215	661	18	36.20	.4067	246.57
6	MSF	0.00282193	354	22	02.64	.9190	314.73
7	MF	0.00305009	327	51	33.04	.1991	332.93
8	ALP1	0.03439657	29	04	21.60	.0210	77.98
9	2Q1	0.03570635	28	00	22.40	.1933	267.26
10	SIG1	0.03590872	27	50	54.20	.0407	326.86
11	Q1	0.03721850	26	52	06.09	.2047	356.68
12	RHO1	0.03742087	26	43	23.00	.0753	4.77
13	O1	0.03873065	25	49	09.64	1.0423	101.15
14	TAU1	0.03895881	25	40	05.29	.0632	146.16
15	BET1	0.04004043	24	58	29.12	.1040	133.15
16	NO1	0.04026859	24	49	59.70	.2705	157.01
17	CHI1	0.04047097	24	42	32.65	.0885	187.95
18	PI1	0.04143851	24	07	55.71	.2041	108.40
19	P1	0.04155259	24	03	57.20	.9103	180.23
20	S1	0.04166667	23	59	59.99	.2578	198.97
21	K1	0.04178075	23	56	04.08	3.0408	186.30
22	PSI1	0.04189482	23	52	09.48	.1590	268.40
23	PHI1	0.04200891	23	48	16.11	.2003	139.68
24	THE1	0.04309053	23	12	25.04	.1590	282.96
25	J1	0.04329290	23	05	54.51	.1028	244.63
26	SO1	0.04460268	22	25	12.64	.0554	79.35
27	OO1	0.04483084	22	18	21.86	.0971	341.23
28	UPS1	0.04634299	21	34	41.65	.0706	255.93
29	OQ2	0.07597494	13	09	44.05	.0871	30.35
30	EPS2	0.07617731	13	07	38.17	.0528	169.63
31	2N2	0.07748710	12	54	19.35	.3989	175.49
32	MU2	0.07768947	12	52	18.33	.4235	173.94
33	N2	0.07899925	12	39	30.05	2.4367	188.42
34	NU2	0.07920162	12	37	33.62	.4315	186.40
35	H1	0.08039733	12	26	17.61	.0873	64.66
36	M2	0.08051140	12	25	14.16	12.1085	201.83
37	H2	0.08062547	12	24	10.90	.0812	300.08
38	MKS2	0.08073957	12	23	07.80	.0599	252.34
39	LDA2	0.08182118	12	13	18.39	.0797	175.25
40	L2	0.08202355	12	11	29.83	.3072	213.97
41	T2	0.08321926	12	00	59.22	.3282	230.84
42	S2	0.08333334	11	59	60.00	4.4853	221.22
43	R2	0.08344740	11	59	00.95	.0724	263.36
44	K2	0.08356149	11	58	02.05	1.2436	215.59
45	MSN2	0.08484548	11	47	10.07	.0662	16.43
46	ETA2	0.08507364	11	45	16.28	.1340	194.92
47	MO3	0.11924210	08	23	10.68	.1485	25.09
48	M3	0.12076710	08	16	49.44	.3686	304.66
49	SO3	0.12206400	08	11	32.73	.1717	16.23
50	MK3	0.12229210	08	10	37.72	.0497	14.27
51	SK3	0.12511410	07	59	33.74	.2751	260.77
52	MN4	0.15951060	06	16	09.03	.1286	27.81
53	M4	0.16102280	06	12	37.08	.3900	81.43
54	SN4	0.16233260	06	09	36.69	.0384	70.34
55	MS4	0.16384470	06	06	12.03	.2375	132.90
56	MK4	0.16407290	06	05	41.47	.0502	117.17
57	S4	0.16666670	05	59	60.00	.0540	59.30
58	SK4	0.16689480	05	59	30.47	.0128	34.19
59	2MK5	0.20280360	04	55	51.16	.0472	54.27
60	2SK5	0.20844740	04	47	50.54	.0430	358.01

Frequenza Ampiezza e Fase dei costituenti di marea

Palinuro

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. - Frequenze in cicli/ora

Periodi in ore, minuti, secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				7.5581	180.00
2	SA	0.00011407	8766	32	48.69	7.4307	272.88
3	SSA	0.00022816	4382	53	21.12	6.1848	97.70
4	MSM	0.00130978	763	29	13.19	.2958	225.92
5	MM	0.00151215	661	18	36.20	.5874	269.02
6	MSF	0.00282193	354	22	02.64	.7688	316.14
7	MF	0.00305009	327	51	33.04	.5510	334.62
8	ALP1	0.03439657	29	04	21.60	.0539	83.49
9	2Q1	0.03570635	28	00	22.40	.1150	286.42
10	SIG1	0.03590872	27	50	54.20	.0634	304.09
11	Q1	0.03721850	26	52	06.09	.2727	344.24
12	RHO1	0.03742087	26	43	23.00	.1136	320.81
13	O1	0.03873065	25	49	09.64	.9725	103.40
14	TAU1	0.03895881	25	40	05.29	.0486	150.36
15	BET1	0.04004043	24	58	29.12	.0799	121.25
16	NO1	0.04026859	24	49	59.70	.3370	158.97
17	CHI1	0.04047097	24	42	32.65	.0593	94.40
18	PI1	0.04143851	24	07	55.71	.1613	99.60
19	P1	0.04155259	24	03	57.20	.7668	181.56
20	S1	0.04166667	23	59	59.99	.3807	187.25
21	K1	0.04178075	23	56	04.08	2.9870	185.48
22	PSI1	0.04189482	23	52	09.48	.1703	245.02
23	PHI1	0.04200891	23	48	16.11	.1240	169.20
24	THE1	0.04309053	23	12	25.04	.0213	234.28
25	J1	0.04329290	23	05	54.51	.1845	223.86
26	S01	0.04460268	22	25	12.64	.0558	66.70
27	OO1	0.04483084	22	18	21.86	.1048	284.02
28	UPS1	0.04634299	21	34	41.65	.0313	335.74
29	OQ2	0.07597494	13	09	44.05	.0517	152.34
30	EPS2	0.07617731	13	07	38.17	.1145	152.19
31	2N2	0.07748710	12	54	19.35	.3903	172.49
32	MU2	0.07768947	12	52	18.33	.4182	169.07
33	N2	0.07899925	12	39	30.05	2.4517	191.09
34	NU2	0.07920162	12	37	33.62	.4708	194.18
35	H1	0.08039733	12	26	17.61	.0398	158.62
36	M2	0.08051140	12	25	14.16	12.2596	203.63
37	H2	0.08062547	12	24	10.90	.0336	140.91
38	MKS2	0.08073957	12	23	07.80	.0725	196.75
39	LDA2	0.08182118	12	13	18.39	.0491	158.74
40	L2	0.08202355	12	11	29.83	.2499	224.34
41	T2	0.08321926	12	00	59.22	.3149	213.12
42	S2	0.08333334	11	59	60.00	4.5759	222.53
43	R2	0.08344740	11	59	00.95	.0720	213.79
44	K2	0.08356149	11	58	02.05	1.2998	220.82
45	MSN2	0.08484548	11	47	10.07	.0574	342.58
46	ETA2	0.08507364	11	45	16.28	.0708	202.11
47	MO3	0.11924210	08	23	10.68	.0728	41.02
48	M3	0.12076710	08	16	49.44	.4050	311.98
49	SO3	0.12206400	08	11	32.73	.0887	40.47
50	MK3	0.12229210	08	10	37.72	.0350	280.15
51	SK3	0.12511410	07	59	33.74	.2157	259.61
52	MN4	0.15951060	06	16	09.03	.1428	29.05
53	M4	0.16102280	06	12	37.08	.3561	81.59
54	SN4	0.16233260	06	09	36.69	.0266	109.23
55	MS4	0.16384470	06	06	12.03	.2297	142.53
56	MK4	0.16407290	06	05	41.47	.0296	122.51
57	S4	0.16666670	05	59	60.00	.0056	139.15
58	SK4	0.16689480	05	59	30.47	.0594	1.79
59	2MK5	0.20280360	04	55	51.16	.0364	30.20
60	2SK5	0.20844740	04	47	50.54	.0347	9.36

Frequenza Ampiezza e Fase dei costituenti di marea

Reggio Calabria

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore,minuti,secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				16.6556	180.00
2	SA	0.00011407	8766	32	48.69	7.1542	272.34
3	SSA	0.00022816	4382	53	21.12	3.7292	94.38
4	MSM	0.00130978	763	29	13.19	1.0577	154.32
5	MM	0.00151215	661	18	36.20	.7511	250.79
6	MSF	0.00282193	354	22	02.64	.7247	331.43
7	MF	0.00305009	327	51	33.04	.9642	315.94
8	ALP1	0.03439657	29	04	21.60	.0970	124.53
9	2Q1	0.03570635	28	00	22.40	.0927	62.23
10	SIG1	0.03590872	27	50	54.20	.0821	49.48
11	Q1	0.03721850	26	52	06.09	.1301	36.52
12	RHO1	0.03742087	26	43	23.00	.0233	21.79
13	O1	0.03873065	25	49	09.64	1.0332	31.31
14	TAU1	0.03895881	25	40	05.29	.1559	47.98
15	BET1	0.04004043	24	58	29.12	.0315	317.61
16	NO1	0.04026859	24	49	59.70	.1042	15.76
17	CHI1	0.04047097	24	42	32.65	.0694	348.41
18	PI1	0.04143851	24	07	55.71	.0163	217.42
19	P1	0.04155259	24	03	57.20	.7279	27.28
20	S1	0.04166667	23	59	59.99	.1237	259.81
21	K1	0.04178075	23	56	04.08	1.4793	29.33
22	PSI1	0.04189482	23	52	09.48	.1953	95.21
23	PHI1	0.04200891	23	48	16.11	.1198	86.76
24	THE1	0.04309053	23	12	25.04	.0484	5.68
25	J1	0.04329290	23	05	54.51	.1019	8.77
26	SO1	0.04460268	22	25	12.64	.1052	78.91
27	OO1	0.04483084	22	18	21.86	.1550	210.06
28	UPS1	0.04634299	21	34	41.65	.0347	265.48
29	OQ2	0.07597494	13	09	44.05	.0181	90.82
30	EPS2	0.07617731	13	07	38.17	.0641	42.93
31	2N2	0.07748710	12	54	19.35	.1234	53.99
32	MU2	0.07768947	12	52	18.33	.1588	73.09
33	N2	0.07899925	12	39	30.05	1.1393	39.25
34	NU2	0.07920162	12	37	33.62	.2333	32.47
35	H1	0.08039733	12	26	17.61	.3109	252.87
36	M2	0.08051140	12	25	14.16	6.2516	37.56
37	H2	0.08062547	12	24	10.90	.2457	230.01
38	MKS2	0.08073957	12	23	07.80	.0985	80.72
39	LDA2	0.08182118	12	13	18.39	.1537	12.39
40	L2	0.08202355	12	11	29.83	.2474	28.26
41	T2	0.08321926	12	00	59.22	.2905	72.09
42	S2	0.08333334	11	59	60.00	3.0745	41.45
43	R2	0.08344740	11	59	00.95	.0472	104.14
44	K2	0.08356149	11	58	02.05	.9931	37.03
45	MSN2	0.08484548	11	47	10.07	.0224	82.19
46	ETA2	0.08507364	11	45	16.28	.0135	152.88
47	MO3	0.11924210	08	23	10.68	.0682	326.03
48	M3	0.12076710	08	16	49.44	.1583	121.11
49	SO3	0.12206400	08	11	32.73	.1137	247.31
50	MK3	0.12229210	08	10	37.72	.2474	220.20
51	SK3	0.12511410	07	59	33.74	.0658	119.30
52	MN4	0.15951060	06	16	09.03	.1901	305.92
53	M4	0.16102280	06	12	37.08	.5187	325.69
54	SN4	0.16233260	06	09	36.69	.0463	327.27
55	MS4	0.16384470	06	06	12.03	.2865	336.35
56	MK4	0.16407290	06	05	41.47	.1795	287.73
57	S4	0.16666670	05	59	60.00	.0401	13.72
58	SK4	0.16689480	05	59	30.47	.0663	303.83
59	2MK5	0.20280360	04	55	51.16	.1518	178.83
60	2SK5	0.20844740	04	47	50.54	.0051	206.41

Frequenza Ampiezza e Fase dei costituenti di marea

Crotone

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. - Frequenze in cicli/ora

Periodi in ore, minuti, secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				15.8396	180.00
2	SA	0.00011407	8766	32	48.69	9.0520	257.34
3	SSA	0.00022816	4382	53	21.12	4.3292	109.60
4	MSM	0.00130978	763	29	13.19	.8943	149.86
5	MM	0.00151215	661	18	36.20	1.5348	244.67
6	MSF	0.00282193	354	22	02.64	.6062	288.14
7	MF	0.00305009	327	51	33.04	.7851	285.47
8	ALP1	0.03439657	29	04	21.60	.0250	211.12
9	2Q1	0.03570635	28	00	22.40	.1434	342.16
10	SIG1	0.03590872	27	50	54.20	.1250	172.35
11	Q1	0.03721850	26	52	06.09	.1008	37.50
12	RHO1	0.03742087	26	43	23.00	.1104	73.60
13	O1	0.03873065	25	49	09.64	.8902	19.97
14	TAU1	0.03895881	25	40	05.29	.0631	46.48
15	BET1	0.04004043	24	58	29.12	.0650	353.15
16	NO1	0.04026859	24	49	59.70	.0684	88.79
17	CHI1	0.04047097	24	42	32.65	.0362	228.84
18	PI1	0.04143851	24	07	55.71	.0469	82.02
19	P1	0.04155259	24	03	57.20	.7141	21.48
20	S1	0.04166667	23	59	59.99	.5519	219.12
21	K1	0.04178075	23	56	04.08	2.0501	29.45
22	PSI1	0.04189482	23	52	09.48	.0908	322.82
23	PHI1	0.04200891	23	48	16.11	.0834	63.36
24	THE1	0.04309053	23	12	25.04	.0514	84.18
25	J1	0.04329290	23	05	54.51	.1382	35.41
26	SO1	0.04460268	22	25	12.64	.0461	341.19
27	OO1	0.04483084	22	18	21.86	.0596	191.94
28	UPS1	0.04634299	21	34	41.65	.0233	1.67
29	OQ2	0.07597494	13	09	44.05	.0417	273.77
30	EPS2	0.07617731	13	07	38.17	.0525	80.23
31	2N2	0.07748710	12	54	19.35	.1866	37.43
32	MU2	0.07768947	12	52	18.33	.1676	357.12
33	N2	0.07899925	12	39	30.05	1.1412	35.36
34	NU2	0.07920162	12	37	33.62	.2573	47.69
35	H1	0.08039733	12	26	17.61	.0424	347.43
36	M2	0.08051140	12	25	14.16	6.3871	34.95
37	H2	0.08062547	12	24	10.90	.0859	300.33
38	MKS2	0.08073957	12	23	07.80	.0145	64.05
39	LDA2	0.08182118	12	13	18.39	.1792	74.17
40	L2	0.08202355	12	11	29.83	.2419	33.98
41	T2	0.08321926	12	00	59.22	.1750	45.85
42	S2	0.08333334	11	59	60.00	3.3663	39.56
43	R2	0.08344740	11	59	00.95	.0090	42.56
44	K2	0.08356149	11	58	02.05	1.0427	34.40
45	MSN2	0.08484548	11	47	10.07	.0560	229.92
46	ETA2	0.08507364	11	45	16.28	.0830	352.55
47	MO3	0.11924210	08	23	10.68	.0461	190.90
48	M3	0.12076710	08	16	49.44	.1801	123.31
49	SO3	0.12206400	08	11	32.73	.0870	209.91
50	MK3	0.12229210	08	10	37.72	.0195	113.81
51	SK3	0.12511410	07	59	33.74	.1256	58.90
52	MN4	0.15951060	06	16	09.03	.0510	58.30
53	M4	0.16102280	06	12	37.08	.0772	91.15
54	SN4	0.16233260	06	09	36.69	.0101	7.83
55	MS4	0.16384470	06	06	12.03	.0666	167.89
56	MK4	0.16407290	06	05	41.47	.0424	57.66
57	S4	0.16666670	05	59	60.00	.0418	175.10
58	SK4	0.16689480	05	59	30.47	.0431	335.18
59	2MK5	0.20280360	04	55	51.16	.0524	6.25
60	2SK5	0.20844740	04	47	50.54	.0547	348.50

Frequenza Ampiezza e Fase dei costituenti di marea

Taranto

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore,minuti,secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				19.7069	180.00
2	SA	0.00011407	8766	32	48.69	9.4234	255.71
3	SSA	0.00022816	4382	53	21.12	5.7612	109.94
4	MSM	0.00130978	763	29	13.19	.8111	172.55
5	MM	0.00151215	661	18	36.20	1.5246	231.93
6	MSF	0.00282193	354	22	02.64	.7776	294.85
7	MF	0.00305009	327	51	33.04	.7199	276.29
8	ALP1	0.03439657	29	04	21.60	.0702	127.46
9	2Q1	0.03570635	28	00	22.40	.0527	9.86
10	SIG1	0.03590872	27	50	54.20	.1293	49.69
11	Q1	0.03721850	26	52	06.09	.1201	49.41
12	RHO1	0.03742087	26	43	23.00	.1206	50.89
13	O1	0.03873065	25	49	09.64	.9658	21.73
14	TAU1	0.03895881	25	40	05.29	.0379	336.29
15	BET1	0.04004043	24	58	29.12	.0871	311.86
16	NO1	0.04026859	24	49	59.70	.1360	2.34
17	CHI1	0.04047097	24	42	32.65	.0438	3.69
18	PI1	0.04143851	24	07	55.71	.1090	294.95
19	P1	0.04155259	24	03	57.20	.8016	18.42
20	S1	0.04166667	23	59	59.99	.4026	240.05
21	K1	0.04178075	23	56	04.08	2.0894	24.98
22	PSI1	0.04189482	23	52	09.48	.0673	81.62
23	PHI1	0.04200891	23	48	16.11	.0558	35.86
24	THE1	0.04309053	23	12	25.04	.0794	64.51
25	J1	0.04329290	23	05	54.51	.1422	31.67
26	SO1	0.04460268	22	25	12.64	.0289	319.47
27	OO1	0.04483084	22	18	21.86	.0315	130.07
28	UPS1	0.04634299	21	34	41.65	.0214	138.94
29	OQ2	0.07597494	13	09	44.05	.0346	100.11
30	EPS2	0.07617731	13	07	38.17	.0515	42.15
31	2N2	0.07748710	12	54	19.35	.1594	40.40
32	MU2	0.07768947	12	52	18.33	.1610	24.53
33	N2	0.07899925	12	39	30.05	1.1416	42.31
34	NU2	0.07920162	12	37	33.62	.2235	37.53
35	H1	0.08039733	12	26	17.61	.0848	344.86
36	M2	0.08051140	12	25	14.16	6.4843	40.86
37	H2	0.08062547	12	24	10.90	.1023	318.28
38	MKS2	0.08073957	12	23	07.80	.0083	178.98
39	LDA2	0.08182118	12	13	18.39	.0645	57.87
40	L2	0.08202355	12	11	29.83	.2589	38.94
41	T2	0.08321926	12	00	59.22	.1567	63.30
42	S2	0.08333334	11	59	60.00	3.4181	43.91
43	R2	0.08344740	11	59	00.95	.0158	57.32
44	K2	0.08356149	11	58	02.05	.9836	41.87
45	MSN2	0.08484548	11	47	10.07	.0204	188.03
46	ETA2	0.08507364	11	45	16.28	.0555	61.76
47	MO3	0.11924210	08	23	10.68	.0481	295.91
48	M3	0.12076710	08	16	49.44	.2078	119.44
49	SO3	0.12206400	08	11	32.73	.0139	299.36
50	MK3	0.12229210	08	10	37.72	.0529	121.43
51	SK3	0.12511410	07	59	33.74	.1122	68.06
52	MN4	0.15951060	06	16	09.03	.0198	73.24
53	M4	0.16102280	06	12	37.08	.0804	66.52
54	SN4	0.16233260	06	09	36.69	.0131	50.84
55	MS4	0.16384470	06	06	12.03	.0554	109.87
56	MK4	0.16407290	06	05	41.47	.0157	327.36
57	S4	0.16666670	05	59	60.00	.0371	91.81
58	SK4	0.16689480	05	59	30.47	.0307	151.45
59	2MK5	0.20280360	04	55	51.16	.0153	198.73
60	2SK5	0.20844740	04	47	50.54	.0286	278.61

Frequenza Ampiezza e Fase dei costituenti di marea

Otranto

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. - Frequenze in cicli/ora

Periodi in ore, minuti, secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				24.9688	180.00
2	SA	0.00011407	8766	32	48.69	9.6380	252.40
3	SSA	0.00022816	4382	53	21.12	6.5600	114.25
4	MSM	0.00130978	763	29	13.19	1.4282	158.75
5	MM	0.00151215	661	18	36.20	2.2040	239.19
6	MSF	0.00282193	354	22	02.64	.4148	207.58
7	MF	0.00305009	327	51	33.04	.3638	265.67
8	ALP1	0.03439657	29	04	21.60	.1274	137.41
9	2Q1	0.03570635	28	00	22.40	.0332	357.00
10	SIG1	0.03590872	27	50	54.20	.0355	24.98
11	Q1	0.03721850	26	52	06.09	.1662	101.14
12	RHO1	0.03742087	26	43	23.00	.0833	53.08
13	O1	0.03873065	25	49	09.64	1.0024	34.20
14	TAU1	0.03895881	25	40	05.29	.0528	32.32
15	BET1	0.04004043	24	58	29.12	.0403	273.59
16	NO1	0.04026859	24	49	59.70	.0527	357.68
17	CHI1	0.04047097	24	42	32.65	.0562	314.91
18	PI1	0.04143851	24	07	55.71	.0920	305.27
19	P1	0.04155259	24	03	57.20	.7933	38.59
20	S1	0.04166667	23	59	59.99	.0943	266.22
21	K1	0.04178075	23	56	04.08	2.4211	45.73
22	PSI1	0.04189482	23	52	09.48	.2297	41.54
23	PHI1	0.04200891	23	48	16.11	.1646	2.82
24	THE1	0.04309053	23	12	25.04	.0398	300.67
25	J1	0.04329290	23	05	54.51	.1533	56.06
26	SO1	0.04460268	22	25	12.64	.1018	243.00
27	OO1	0.04483084	22	18	21.86	.1357	150.09
28	UPS1	0.04634299	21	34	41.65	.0761	17.27
29	OQ2	0.07597494	13	09	44.05	.0925	86.95
30	EPS2	0.07617731	13	07	38.17	.0543	58.75
31	2N2	0.07748710	12	54	19.35	.2100	33.23
32	MU2	0.07768947	12	52	18.33	.1725	29.57
33	N2	0.07899925	12	39	30.05	1.1776	44.97
34	NU2	0.07920162	12	37	33.62	.2382	49.42
35	H1	0.08039733	12	26	17.61	.1478	353.23
36	M2	0.08051140	12	25	14.16	7.0585	45.07
37	H2	0.08062547	12	24	10.90	.1207	291.62
38	MKS2	0.08073957	12	23	07.80	.0349	225.41
39	LDA2	0.08182118	12	13	18.39	.1349	63.74
40	L2	0.08202355	12	11	29.83	.2465	34.11
41	T2	0.08321926	12	00	59.22	.1277	75.65
42	S2	0.08333334	11	59	60.00	4.1199	51.50
43	R2	0.08344740	11	59	00.95	.0417	73.04
44	K2	0.08356149	11	58	02.05	1.2327	46.34
45	MSN2	0.08484548	11	47	10.07	.0202	78.25
46	ETA2	0.08507364	11	45	16.28	.0223	151.31
47	MO3	0.11924210	08	23	10.68	.0374	309.93
48	M3	0.12076710	08	16	49.44	.1497	133.42
49	SO3	0.12206400	08	11	32.73	.0358	194.28
50	MK3	0.12229210	08	10	37.72	.0195	226.04
51	SK3	0.12511410	07	59	33.74	.1440	69.19
52	MN4	0.15951060	06	16	09.03	.1127	106.03
53	M4	0.16102280	06	12	37.08	.0436	116.33
54	SN4	0.16233260	06	09	36.69	.0230	132.64
55	MS4	0.16384470	06	06	12.03	.0482	142.12
56	MK4	0.16407290	06	05	41.47	.0418	88.28
57	S4	0.16666670	05	59	60.00	.0584	148.88
58	SK4	0.16689480	05	59	30.47	.0390	186.49
59	2MK5	0.20280360	04	55	51.16	.0347	203.01
60	2SK5	0.20844740	04	47	50.54	.0547	171.98

Frequenza Ampiezza e Fase dei costituenti di marea

Bari

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore,minuti,secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				14.2610	180.00
2	SA	0.00011407	8766	32	48.69	7.5269	270.46
3	SSA	0.00022816	4382	53	21.12	5.6665	109.72
4	MSM	0.00130978	763	29	13.19	1.1922	138.53
5	MM	0.00151215	661	18	36.20	1.9185	231.69
6	MSF	0.00282193	354	22	02.64	.5228	313.06
7	MF	0.00305009	327	51	33.04	.4194	283.07
8	ALP1	0.03439657	29	04	21.60	.1799	111.80
9	2Q1	0.03570635	28	00	22.40	.0691	63.27
10	SIG1	0.03590872	27	50	54.20	.0548	307.13
11	Q1	0.03721850	26	52	06.09	.2776	75.25
12	RHO1	0.03742087	26	43	23.00	.0833	64.14
13	O1	0.03873065	25	49	09.64	1.8577	21.33
14	TAU1	0.03895881	25	40	05.29	.0134	337.32
15	BET1	0.04004043	24	58	29.12	.0339	172.44
16	NO1	0.04026859	24	49	59.70	.3049	2.34
17	CHI1	0.04047097	24	42	32.65	.1283	101.99
18	PI1	0.04143851	24	07	55.71	.1598	329.76
19	P1	0.04155259	24	03	57.20	1.7276	33.47
20	S1	0.04166667	23	59	59.99	.3060	227.26
21	K1	0.04178075	23	56	04.08	5.1157	36.63
22	PSI1	0.04189482	23	52	09.48	.0749	169.49
23	PHI1	0.04200891	23	48	16.11	.1616	19.98
24	THE1	0.04309053	23	12	25.04	.1434	100.95
25	J1	0.04329290	23	05	54.51	.3613	70.92
26	SO1	0.04460268	22	25	12.64	.1887	239.07
27	OO1	0.04483084	22	18	21.86	.3771	85.98
28	UPS1	0.04634299	21	34	41.65	.1587	314.31
29	OQ2	0.07597494	13	09	44.05	.0116	133.96
30	EPS2	0.07617731	13	07	38.17	.0550	26.69
31	2N2	0.07748710	12	54	19.35	.2086	39.73
32	MU2	0.07768947	12	52	18.33	.1444	44.65
33	N2	0.07899925	12	39	30.05	1.5364	47.09
34	NU2	0.07920162	12	37	33.62	.3623	42.90
35	H1	0.08039733	12	26	17.61	.2426	357.90
36	M2	0.08051140	12	25	14.16	9.6881	45.32
37	H2	0.08062547	12	24	10.90	.0707	350.27
38	MKS2	0.08073957	12	23	07.80	.0332	14.44
39	LDA2	0.08182118	12	13	18.39	.1409	56.27
40	L2	0.08202355	12	11	29.83	.3433	33.11
41	T2	0.08321926	12	00	59.22	.2839	79.53
42	S2	0.08333334	11	59	60.00	6.0883	50.56
43	R2	0.08344740	11	59	00.95	.0820	69.27
44	K2	0.08356149	11	58	02.05	1.7154	43.72
45	MSN2	0.08484548	11	47	10.07	.0563	134.89
46	ETA2	0.08507364	11	45	16.28	.1695	63.05
47	MO3	0.11924210	08	23	10.68	.0653	220.26
48	M3	0.12076710	08	16	49.44	.0948	166.22
49	SO3	0.12206400	08	11	32.73	.0279	93.69
50	MK3	0.12229210	08	10	37.72	.0179	7.81
51	SK3	0.12511410	07	59	33.74	.1096	92.96
52	MN4	0.15951060	06	16	09.03	.0316	87.71
53	M4	0.16102280	06	12	37.08	.0250	123.89
54	SN4	0.16233260	06	09	36.69	.0042	296.05
55	MS4	0.16384470	06	06	12.03	.0167	233.76
56	MK4	0.16407290	06	05	41.47	.0189	68.25
57	S4	0.16666670	05	59	60.00	.0470	303.89
58	SK4	0.16689480	05	59	30.47	.0682	108.24
59	2MK5	0.20280360	04	55	51.16	.0234	75.34
60	2SK5	0.20844740	04	47	50.54	.0189	236.51

Frequenza Ampiezza e Fase dei costituenti di marea

Vieste

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. - Frequenze in cicli/ora

Periodi in ore, minuti, secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				9.9773	180.00
2	SA	0.00011407	8766	32	48.69	8.4124	268.75
3	SSA	0.00022816	4382	53	21.12	7.2419	107.20
4	MSM	0.00130978	763	29	13.19	1.0095	146.71
5	MM	0.00151215	661	18	36.20	1.9377	224.02
6	MSF	0.00282193	354	22	02.64	.6781	313.45
7	MF	0.00305009	327	51	33.04	.5810	308.46
8	ALP1	0.03439657	29	04	21.60	.0803	142.24
9	2Q1	0.03570635	28	00	22.40	.1607	4.54
10	SIG1	0.03590872	27	50	54.20	.0709	40.33
11	Q1	0.03721850	26	52	06.09	.2727	79.78
12	RHO1	0.03742087	26	43	23.00	.0461	142.86
13	O1	0.03873065	25	49	09.64	1.8819	49.23
14	TAU1	0.03895881	25	40	05.29	.0651	260.13
15	BET1	0.04004043	24	58	29.12	.1327	241.88
16	NO1	0.04026859	24	49	59.70	.2421	47.78
17	CHI1	0.04047097	24	42	32.65	.1373	118.27
18	PI1	0.04143851	24	07	55.71	.2451	297.14
19	P1	0.04155259	24	03	57.20	1.7084	56.76
20	S1	0.04166667	23	59	59.99	.3205	323.67
21	K1	0.04178075	23	56	04.08	5.4120	60.51
22	PSI1	0.04189482	23	52	09.48	.0312	325.38
23	PHI1	0.04200891	23	48	16.11	.1222	14.23
24	THE1	0.04309053	23	12	25.04	.0753	87.89
25	J1	0.04329290	23	05	54.51	.2916	75.12
26	S01	0.04460268	22	25	12.64	.1594	247.55
27	OO1	0.04483084	22	18	21.86	.5088	114.78
28	UPS1	0.04634299	21	34	41.65	.3042	45.96
29	OQ2	0.07597494	13	09	44.05	.0339	34.83
30	EPS2	0.07617731	13	07	38.17	.0225	348.24
31	2N2	0.07748710	12	54	19.35	.2044	25.40
32	MU2	0.07768947	12	52	18.33	.1554	27.13
33	N2	0.07899925	12	39	30.05	1.5088	44.21
34	NU2	0.07920162	12	37	33.62	.3450	42.29
35	H1	0.08039733	12	26	17.61	.1699	22.55
36	M2	0.08051140	12	25	14.16	9.5771	44.10
37	H2	0.08062547	12	24	10.90	.1947	308.36
38	MKS2	0.08073957	12	23	07.80	.1048	87.58
39	LDA2	0.08182118	12	13	18.39	.1779	64.69
40	L2	0.08202355	12	11	29.83	.3732	45.17
41	T2	0.08321926	12	00	59.22	.1761	74.45
42	S2	0.08333334	11	59	60.00	6.0396	51.87
43	R2	0.08344740	11	59	00.95	.0209	44.26
44	K2	0.08356149	11	58	02.05	1.7673	40.28
45	MSN2	0.08484548	11	47	10.07	.0266	189.71
46	ETA2	0.08507364	11	45	16.28	.0991	46.73
47	MO3	0.11924210	08	23	10.68	.0900	288.96
48	M3	0.12076710	08	16	49.44	.0246	230.73
49	SO3	0.12206400	08	11	32.73	.0137	260.67
50	MK3	0.12229210	08	10	37.72	.0427	210.85
51	SK3	0.12511410	07	59	33.74	.0481	140.03
52	MN4	0.15951060	06	16	09.03	.0620	179.70
53	M4	0.16102280	06	12	37.08	.0184	34.00
54	SN4	0.16233260	06	09	36.69	.0460	144.08
55	MS4	0.16384470	06	06	12.03	.0460	328.12
56	MK4	0.16407290	06	05	41.47	.0162	70.41
57	S4	0.16666670	05	59	60.00	.0356	133.02
58	SK4	0.16689480	05	59	30.47	.0888	235.06
59	2MK5	0.20280360	04	55	51.16	.0317	324.70
60	2SK5	0.20844740	04	47	50.54	.0837	70.48

Frequenza Ampiezza e Fase dei costituenti di marea

Ortona

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore,minuti,secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				3.4627	180.00
2	SA	0.00011407	8766	32	48.69	9.4815	270.19
3	SSA	0.00022816	4382	53	21.12	7.7762	104.88
4	MSM	0.00130978	763	29	13.19	.7345	176.45
5	MM	0.00151215	661	18	36.20	1.7028	216.22
6	MSF	0.00282193	354	22	02.64	1.2927	326.64
7	MF	0.00305009	327	51	33.04	.5281	300.81
8	ALP1	0.03439657	29	04	21.60	.2327	103.63
9	2Q1	0.03570635	28	00	22.40	.1807	301.76
10	SIG1	0.03590872	27	50	54.20	.2067	306.60
11	Q1	0.03721850	26	52	06.09	.5351	81.86
12	RHO1	0.03742087	26	43	23.00	.1572	95.09
13	O1	0.03873065	25	49	09.64	3.1370	40.84
14	TAU1	0.03895881	25	40	05.29	.0741	351.63
15	BET1	0.04004043	24	58	29.12	.0334	207.39
16	NO1	0.04026859	24	49	59.70	.3720	48.09
17	CHI1	0.04047097	24	42	32.65	.4213	110.04
18	PI1	0.04143851	24	07	55.71	.3024	309.26
19	P1	0.04155259	24	03	57.20	2.8327	46.74
20	S1	0.04166667	23	59	59.99	.6073	280.98
21	K1	0.04178075	23	56	04.08	9.2676	51.84
22	PSI1	0.04189482	23	52	09.48	.2334	123.51
23	PHI1	0.04200891	23	48	16.11	.3375	22.21
24	THE1	0.04309053	23	12	25.04	.3721	123.72
25	J1	0.04329290	23	05	54.51	.6236	79.89
26	SO1	0.04460268	22	25	12.64	.2564	241.26
27	OO1	0.04483084	22	18	21.86	1.1974	93.67
28	UPS1	0.04634299	21	34	41.65	.3936	353.06
29	OQ2	0.07597494	13	09	44.05	.0640	268.48
30	EPS2	0.07617731	13	07	38.17	.0686	62.15
31	2N2	0.07748710	12	54	19.35	.0756	339.13
32	MU2	0.07768947	12	52	18.33	.0565	79.37
33	N2	0.07899925	12	39	30.05	1.0359	29.60
34	NU2	0.07920162	12	37	33.62	.2249	42.49
35	H1	0.08039733	12	26	17.61	.2671	343.84
36	M2	0.08051140	12	25	14.16	6.9170	34.38
37	H2	0.08062547	12	24	10.90	.1464	281.52
38	MKS2	0.08073957	12	23	07.80	.0406	49.64
39	LDA2	0.08182118	12	13	18.39	.1960	33.51
40	L2	0.08202355	12	11	29.83	.2091	26.40
41	T2	0.08321926	12	00	59.22	.1604	99.91
42	S2	0.08333334	11	59	60.00	4.8751	41.97
43	R2	0.08344740	11	59	00.95	.1021	22.47
44	K2	0.08356149	11	58	02.05	1.3666	35.27
45	MSN2	0.08484548	11	47	10.07	.0841	208.12
46	ETA2	0.08507364	11	45	16.28	.0742	84.39
47	MO3	0.11924210	08	23	10.68	.1112	83.21
48	M3	0.12076710	08	16	49.44	.1804	297.49
49	SO3	0.12206400	08	11	32.73	.0984	58.28
50	MK3	0.12229210	08	10	37.72	.0250	150.85
51	SK3	0.12511410	07	59	33.74	.2266	248.24
52	MN4	0.15951060	06	16	09.03	.0107	323.79
53	M4	0.16102280	06	12	37.08	.1386	264.33
54	SN4	0.16233260	06	09	36.69	.0702	214.02
55	MS4	0.16384470	06	06	12.03	.1089	323.98
56	MK4	0.16407290	06	05	41.47	.0967	305.90
57	S4	0.16666670	05	59	60.00	.0562	331.69
58	SK4	0.16689480	05	59	30.47	.0557	7.46
59	2MK5	0.20280360	04	55	51.16	.0989	29.14
60	2SK5	0.20844740	04	47	50.54	.0530	347.58

Frequenza Ampiezza e Fase dei costituenti di marea

Ancona

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. - Frequenze in cicli/ora

Periodi in ore, minuti, secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				2.5250	180.00
2	SA	0.00011407	8766	32	48.69	9.5833	274.10
3	SSA	0.00022816	4382	53	21.12	8.2394	106.43
4	MSM	0.00130978	763	29	13.19	.9480	185.62
5	MM	0.00151215	661	18	36.20	1.9095	229.98
6	MSF	0.00282193	354	22	02.64	1.6139	327.34
7	MF	0.00305009	327	51	33.04	.4471	283.64
8	ALP1	0.03439657	29	04	21.60	.3035	121.98
9	2Q1	0.03570635	28	00	22.40	.2434	295.47
10	SIG1	0.03590872	27	50	54.20	.2548	286.33
11	Q1	0.03721850	26	52	06.09	.9716	86.40
12	RHO1	0.03742087	26	43	23.00	.3738	85.52
13	O1	0.03873065	25	49	09.64	4.2257	45.69
14	TAU1	0.03895881	25	40	05.29	.1106	322.64
15	BET1	0.04004043	24	58	29.12	.0734	196.58
16	NO1	0.04026859	24	49	59.70	.5634	36.76
17	CHI1	0.04047097	24	42	32.65	.5869	110.24
18	PI1	0.04143851	24	07	55.71	.4225	335.25
19	P1	0.04155259	24	03	57.20	4.2017	53.70
20	S1	0.04166667	23	59	59.99	.7453	270.60
21	K1	0.04178075	23	56	04.08	13.2393	57.20
22	PSI1	0.04189482	23	52	09.48	.4930	136.14
23	PHI1	0.04200891	23	48	16.11	.5649	27.38
24	THE1	0.04309053	23	12	25.04	.3487	136.45
25	J1	0.04329290	23	05	54.51	.9796	91.67
26	SO1	0.04460268	22	25	12.64	.4330	235.76
27	OO1	0.04483084	22	18	21.86	1.9791	92.09
28	UPS1	0.04634299	21	34	41.65	.6294	338.34
29	OQ2	0.07597494	13	09	44.05	.0465	253.80
30	EPS2	0.07617731	13	07	38.17	.0340	294.44
31	2N2	0.07748710	12	54	19.35	.1469	258.27
32	MU2	0.07768947	12	52	18.33	.2147	231.99
33	N2	0.07899925	12	39	30.05	1.1800	272.02
34	NU2	0.07920162	12	37	33.62	.1996	268.71
35	H1	0.08039733	12	26	17.61	.1259	197.27
36	M2	0.08051140	12	25	14.16	6.6651	277.08
37	H2	0.08062547	12	24	10.90	.0322	157.92
38	MKS2	0.08073957	12	23	07.80	.0886	15.91
39	LDA2	0.08182118	12	13	18.39	.0641	323.96
40	L2	0.08202355	12	11	29.83	.2642	272.01
41	T2	0.08321926	12	00	59.22	.1527	316.74
42	S2	0.08333334	11	59	60.00	3.6316	289.09
43	R2	0.08344740	11	59	00.95	.0745	279.90
44	K2	0.08356149	11	58	02.05	1.1301	283.78
45	MSN2	0.08484548	11	47	10.07	.0178	16.10
46	ETA2	0.08507364	11	45	16.28	.0851	41.33
47	MO3	0.11924210	08	23	10.68	.0374	87.40
48	M3	0.12076710	08	16	49.44	.2369	291.43
49	SO3	0.12206400	08	11	32.73	.0828	8.18
50	MK3	0.12229210	08	10	37.72	.0656	156.50
51	SK3	0.12511410	07	59	33.74	.1867	254.80
52	MN4	0.15951060	06	16	09.03	.0097	48.01
53	M4	0.16102280	06	12	37.08	.0476	9.52
54	SN4	0.16233260	06	09	36.69	.0346	165.56
55	MS4	0.16384470	06	06	12.03	.0101	70.75
56	MK4	0.16407290	06	05	41.47	.0373	141.07
57	S4	0.16666670	05	59	60.00	.0840	69.19
58	SK4	0.16689480	05	59	30.47	.0346	89.28
59	2MK5	0.20280360	04	55	51.16	.0284	280.02
60	2SK5	0.20844740	04	47	50.54	.0505	220.72

Frequenza Ampiezza e Fase dei costituenti di marea

Ravenna

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore, minuti, secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				9.6692	.00
2	SA	0.00011407	8766	32	48.69	10.4254	265.88
3	SSA	0.00022816	4382	53	21.12	9.1700	102.02
4	MSM	0.00130978	763	29	13.19	1.2057	205.27
5	MM	0.00151215	661	18	36.20	2.0240	228.98
6	MSF	0.00282193	354	22	02.64	2.0273	317.47
7	MF	0.00305009	327	51	33.04	.2747	218.74
8	ALP1	0.03439657	29	04	21.60	.4134	113.23
9	2Q1	0.03570635	28	00	22.40	.1514	272.83
10	SIG1	0.03590872	27	50	54.20	.4064	255.01
11	Q1	0.03721850	26	52	06.09	1.2615	73.17
12	RHO1	0.03742087	26	43	23.00	.4393	80.46
13	O1	0.03873065	25	49	09.64	5.1830	38.26
14	TAU1	0.03895881	25	40	05.29	.0363	319.69
15	BET1	0.04004043	24	58	29.12	.2005	197.32
16	NO1	0.04026859	24	49	59.70	.7609	41.77
17	CHI1	0.04047097	24	42	32.65	.8336	103.79
18	PI1	0.04143851	24	07	55.71	.4140	302.87
19	P1	0.04155259	24	03	57.20	5.2683	46.72
20	S1	0.04166667	23	59	59.99	1.6685	259.78
21	K1	0.04178075	23	56	04.08	16.2958	51.10
22	PSI1	0.04189482	23	52	09.48	.7802	123.75
23	PHI1	0.04200891	23	48	16.11	.7796	359.42
24	THE1	0.04309053	23	12	25.04	.5464	117.46
25	J1	0.04329290	23	05	54.51	1.3704	90.03
26	SO1	0.04460268	22	25	12.64	.5807	219.90
27	OO1	0.04483084	22	18	21.86	2.5269	85.03
28	UPS1	0.04634299	21	34	41.65	.6901	332.85
29	OQ2	0.07597494	13	09	44.05	.0828	256.78
30	EPS2	0.07617731	13	07	38.17	.1064	208.26
31	2N2	0.07748710	12	54	19.35	.3890	235.47
32	MU2	0.07768947	12	52	18.33	.2705	233.19
33	N2	0.07899925	12	39	30.05	2.8194	239.85
34	NU2	0.07920162	12	37	33.62	.5415	243.21
35	H1	0.08039733	12	26	17.61	.6943	177.14
36	M2	0.08051140	12	25	14.16	16.9662	240.98
37	H2	0.08062547	12	24	10.90	.1951	330.68
38	MKS2	0.08073957	12	23	07.80	.2205	145.51
39	LDA2	0.08182118	12	13	18.39	.2854	233.65
40	L2	0.08202355	12	11	29.83	.6778	232.99
41	T2	0.08321926	12	00	59.22	.4140	285.25
42	S2	0.08333334	11	59	60.00	10.0270	246.96
43	R2	0.08344740	11	59	00.95	.1729	140.23
44	K2	0.08356149	11	58	02.05	2.7820	237.06
45	MSN2	0.08484548	11	47	10.07	.0068	300.30
46	ETA2	0.08507364	11	45	16.28	.2017	298.93
47	MO3	0.11924210	08	23	10.68	.0541	293.90
48	M3	0.12076710	08	16	49.44	.1887	169.88
49	SO3	0.12206400	08	11	32.73	.0729	69.82
50	MK3	0.12229210	08	10	37.72	.1170	126.71
51	SK3	0.12511410	07	59	33.74	.1964	137.47
52	MN4	0.15951060	06	16	09.03	.1066	311.60
53	M4	0.16102280	06	12	37.08	.0708	338.38
54	SN4	0.16233260	06	09	36.69	.0696	26.55
55	MS4	0.16384470	06	06	12.03	.0231	68.10
56	MK4	0.16407290	06	05	41.47	.0304	281.69
57	S4	0.16666670	05	59	60.00	.1009	3.64
58	SK4	0.16689480	05	59	30.47	.0879	296.36
59	2MK5	0.20280360	04	55	51.16	.0554	189.20
60	2SK5	0.20844740	04	47	50.54	.0637	31.59

Frequenza Ampiezza e Fase dei costituenti di marea

Venezia

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. - Frequenze in cicli/ora

Periodi in ore, minuti, secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				15.7309	.00
2	SA	0.00011407	8766	32	48.69	10.9916	264.48
3	SSA	0.00022816	4382	53	21.12	9.3291	102.09
4	MSM	0.00130978	763	29	13.19	1.2741	214.75
5	MM	0.00151215	661	18	36.20	2.1478	213.39
6	MSF	0.00282193	354	22	02.64	1.9158	317.01
7	MF	0.00305009	327	51	33.04	.3903	177.26
8	ALP1	0.03439657	29	04	21.60	.2975	103.12
9	2Q1	0.03570635	28	00	22.40	.3694	303.33
10	SIG1	0.03590872	27	50	54.20	.2340	269.24
11	Q1	0.03721850	26	52	06.09	1.2862	79.07
12	RHO1	0.03742087	26	43	23.00	.4756	83.78
13	O1	0.03873065	25	49	09.64	5.6672	37.21
14	TAU1	0.03895881	25	40	05.29	.0863	68.75
15	BET1	0.04004043	24	58	29.12	.1256	244.12
16	NO1	0.04026859	24	49	59.70	.8458	61.44
17	CHI1	0.04047097	24	42	32.65	.9399	118.35
18	PI1	0.04143851	24	07	55.71	.6904	38.90
19	P1	0.04155259	24	03	57.20	5.1727	48.59
20	S1	0.04166667	23	59	59.99	1.8676	302.71
21	K1	0.04178075	23	56	04.08	17.9638	51.97
22	PSI1	0.04189482	23	52	09.48	.8684	194.20
23	PHI1	0.04200891	23	48	16.11	.4514	327.54
24	THE1	0.04309053	23	12	25.04	.7244	123.38
25	J1	0.04329290	23	05	54.51	1.4819	95.65
26	SO1	0.04460268	22	25	12.64	.5480	201.91
27	OO1	0.04483084	22	18	21.86	2.6319	85.65
28	UPS1	0.04634299	21	34	41.65	.8006	325.06
29	OQ2	0.07597494	13	09	44.05	.1273	104.67
30	EPS2	0.07617731	13	07	38.17	.1774	208.20
31	2N2	0.07748710	12	54	19.35	.3901	261.63
32	MU2	0.07768947	12	52	18.33	.2188	272.72
33	N2	0.07899925	12	39	30.05	3.6855	240.60
34	NU2	0.07920162	12	37	33.62	.5452	272.49
35	H1	0.08039733	12	26	17.61	2.1836	80.79
36	M2	0.08051140	12	25	14.16	22.9788	238.96
37	H2	0.08062547	12	24	10.90	1.8860	97.70
38	MKS2	0.08073957	12	23	07.80	1.3240	104.37
39	LDA2	0.08182118	12	13	18.39	.4671	205.60
40	L2	0.08202355	12	11	29.83	1.0551	227.31
41	T2	0.08321926	12	00	59.22	1.6991	256.32
42	S2	0.08333334	11	59	60.00	13.8121	244.44
43	R2	0.08344740	11	59	00.95	1.0023	258.77
44	K2	0.08356149	11	58	02.05	3.4072	227.81
45	MSN2	0.08484548	11	47	10.07	.0959	335.30
46	ETA2	0.08507364	11	45	16.28	.2174	294.01
47	MO3	0.11924210	08	23	10.68	.2612	303.94
48	M3	0.12076710	08	16	49.44	.5529	161.48
49	SO3	0.12206400	08	11	32.73	.2018	352.31
50	MK3	0.12229210	08	10	37.72	.3524	15.00
51	SK3	0.12511410	07	59	33.74	.4126	86.20
52	MN4	0.15951060	06	16	09.03	.1833	191.96
53	M4	0.16102280	06	12	37.08	.3860	234.68
54	SN4	0.16233260	06	09	36.69	.0140	2.29
55	MS4	0.16384470	06	06	12.03	.3856	237.76
56	MK4	0.16407290	06	05	41.47	.1091	321.37
57	S4	0.16666670	05	59	60.00	.1320	278.87
58	SK4	0.16689480	05	59	30.47	.0659	237.09
59	2MK5	0.20280360	04	55	51.16	.0726	290.58
60	2SK5	0.20844740	04	47	50.54	.0460	40.91

Frequenza Ampiezza e Fase dei costituenti di marea

Trieste

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore,minuti,secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				3.3274	180.00
2	SA	0.00011407	8766	32	48.69	9.9337	253.02
3	SSA	0.00022816	4382	53	21.12	10.4412	102.30
4	MSM	0.00130978	763	29	13.19	2.0664	230.80
5	MM	0.00151215	661	18	36.20	1.6510	176.33
6	MSF	0.00282193	354	22	02.64	2.1438	319.07
7	MF	0.00305009	327	51	33.04	1.2531	161.54
8	ALP1	0.03439657	29	04	21.60	.2253	45.38
9	2Q1	0.03570635	28	00	22.40	.4254	297.46
10	SIG1	0.03590872	27	50	54.20	.1728	243.99
11	Q1	0.03721850	26	52	06.09	1.1507	79.47
12	RHO1	0.03742087	26	43	23.00	.6795	73.36
13	O1	0.03873065	25	49	09.64	5.5350	27.94
14	TAU1	0.03895881	25	40	05.29	.2566	201.82
15	BET1	0.04004043	24	58	29.12	.1789	254.04
16	NO1	0.04026859	24	49	59.70	.8093	16.64
17	CHI1	0.04047097	24	42	32.65	1.0278	96.81
18	PI1	0.04143851	24	07	55.71	.5354	347.54
19	P1	0.04155259	24	03	57.20	5.9354	37.96
20	S1	0.04166667	23	59	59.99	2.2721	249.28
21	K1	0.04178075	23	56	04.08	17.9670	39.99
22	PSI1	0.04189482	23	52	09.48	.5665	122.59
23	PHI1	0.04200891	23	48	16.11	.7502	9.11
24	THE1	0.04309053	23	12	25.04	.4825	105.91
25	J1	0.04329290	23	05	54.51	1.4690	80.94
26	SO1	0.04460268	22	25	12.64	.8627	224.74
27	OO1	0.04483084	22	18	21.86	2.8188	77.35
28	UPS1	0.04634299	21	34	41.65	.8284	336.67
29	OQ2	0.07597494	13	09	44.05	.0939	21.67
30	EPS2	0.07617731	13	07	38.17	.3866	189.13
31	2N2	0.07748710	12	54	19.35	.6008	214.46
32	MU2	0.07768947	12	52	18.33	.4581	233.27
33	N2	0.07899925	12	39	30.05	4.2852	217.83
34	NU2	0.07920162	12	37	33.62	.8654	220.06
35	H1	0.08039733	12	26	17.61	.7980	155.48
36	M2	0.08051140	12	25	14.16	26.7097	217.76
37	H2	0.08062547	12	24	10.90	.4211	84.86
38	MKS2	0.08073957	12	23	07.80	.1025	297.83
39	LDA2	0.08182118	12	13	18.39	.6250	241.57
40	L2	0.08202355	12	11	29.83	.8865	209.93
41	T2	0.08321926	12	00	59.22	.6994	268.71
42	S2	0.08333334	11	59	60.00	15.8293	223.82
43	R2	0.08344740	11	59	00.95	.3250	209.88
44	K2	0.08356149	11	58	02.05	4.7012	217.87
45	MSN2	0.08484548	11	47	10.07	.1376	291.25
46	ETA2	0.08507364	11	45	16.28	.3466	245.43
47	MO3	0.11924210	08	23	10.68	.1942	256.46
48	M3	0.12076710	08	16	49.44	.7428	124.37
49	SO3	0.12206400	08	11	32.73	.2177	173.70
50	MK3	0.12229210	08	10	37.72	.0798	198.71
51	SK3	0.12511410	07	59	33.74	.3699	68.18
52	MN4	0.15951060	06	16	09.03	.1789	159.87
53	M4	0.16102280	06	12	37.08	.0894	184.31
54	SN4	0.16233260	06	09	36.69	.0739	171.91
55	MS4	0.16384470	06	06	12.03	.1736	312.55
56	MK4	0.16407290	06	05	41.47	.1456	312.40
57	S4	0.16666670	05	59	60.00	.0700	250.24
58	SK4	0.16689480	05	59	30.47	.0955	258.01
59	2MK5	0.20280360	04	55	51.16	.1831	5.09
60	2SK5	0.20844740	04	47	50.54	.1967	261.95

Frequenza Ampiezza e Fase dei costituenti di marea

Palermo

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. - Frequenze in cicli/ora

Periodi in ore, minuti, secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				7.5742	.00
2	SA	0.00011407	8766	32	48.69	8.4816	270.46
3	SSA	0.00022816	4382	53	21.12	5.8126	92.54
4	MSM	0.00130978	763	29	13.19	.8533	182.26
5	MM	0.00151215	661	18	36.20	.5417	203.93
6	MSF	0.00282193	354	22	02.64	.8028	327.54
7	MF	0.00305009	327	51	33.04	.4048	328.25
8	ALP1	0.03439657	29	04	21.60	.0782	10.97
9	2Q1	0.03570635	28	00	22.40	.1044	265.16
10	SIG1	0.03590872	27	50	54.20	.1313	289.44
11	Q1	0.03721850	26	52	06.09	.2144	8.98
12	RHO1	0.03742087	26	43	23.00	.0136	97.70
13	O1	0.03873065	25	49	09.64	1.0650	102.36
14	TAU1	0.03895881	25	40	05.29	.0736	39.47
15	BET1	0.04004043	24	58	29.12	.0686	296.93
16	NO1	0.04026859	24	49	59.70	.4927	147.69
17	CHI1	0.04047097	24	42	32.65	.1201	220.97
18	PI1	0.04143851	24	07	55.71	.0982	91.64
19	P1	0.04155259	24	03	57.20	.7112	171.55
20	S1	0.04166667	23	59	59.99	.2817	174.09
21	K1	0.04178075	23	56	04.08	3.0544	177.23
22	PSI1	0.04189482	23	52	09.48	.1508	221.77
23	PHI1	0.04200891	23	48	16.11	.0881	220.10
24	THE1	0.04309053	23	12	25.04	.0100	338.34
25	J1	0.04329290	23	05	54.51	.1794	241.82
26	SO1	0.04460268	22	25	12.64	.0822	137.53
27	OO1	0.04483084	22	18	21.86	.1654	285.30
28	UPS1	0.04634299	21	34	41.65	.0902	252.74
29	OQ2	0.07597494	13	09	44.05	.0445	59.28
30	EPS2	0.07617731	13	07	38.17	.1860	141.87
31	2N2	0.07748710	12	54	19.35	.3271	187.17
32	MU2	0.07768947	12	52	18.33	.4131	169.97
33	N2	0.07899925	12	39	30.05	2.3245	193.79
34	NU2	0.07920162	12	37	33.62	.4457	190.61
35	H1	0.08039733	12	26	17.61	.2122	24.68
36	M2	0.08051140	12	25	14.16	11.2288	207.51
37	H2	0.08062547	12	24	10.90	.3153	.77
38	MKS2	0.08073957	12	23	07.80	.0383	76.08
39	LDA2	0.08182118	12	13	18.39	.0289	211.69
40	L2	0.08202355	12	11	29.83	.1807	237.62
41	T2	0.08321926	12	00	59.22	.3239	220.32
42	S2	0.08333334	11	59	60.00	4.2526	230.27
43	R2	0.08344740	11	59	00.95	.1795	246.11
44	K2	0.08356149	11	58	02.05	1.2151	225.42
45	MSN2	0.08484548	11	47	10.07	.0739	285.51
46	ETA2	0.08507364	11	45	16.28	.1244	213.05
47	MO3	0.11924210	08	23	10.68	.0838	24.35
48	M3	0.12076710	08	16	49.44	.4556	325.81
49	SO3	0.12206400	08	11	32.73	.1260	35.66
50	MK3	0.12229210	08	10	37.72	.0646	71.27
51	SK3	0.12511410	07	59	33.74	.1598	252.63
52	MN4	0.15951060	06	16	09.03	.1223	62.51
53	M4	0.16102280	06	12	37.08	.3285	88.25
54	SN4	0.16233260	06	09	36.69	.0561	204.58
55	MS4	0.16384470	06	06	12.03	.1822	141.16
56	MK4	0.16407290	06	05	41.47	.0766	230.24
57	S4	0.16666670	05	59	60.00	.0988	63.02
58	SK4	0.16689480	05	59	30.47	.0382	50.31
59	2MK5	0.20280360	04	55	51.16	.0535	102.52
60	2SK5	0.20844740	04	47	50.54	.0241	127.22

Frequenza Ampiezza e Fase dei costituenti di marea

Messina

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore,minuti,secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				5.2294	180.00
2	SA	0.00011407	8766	32	48.69	5.6034	278.51
3	SSA	0.00022816	4382	53	21.12	5.4895	97.94
4	MSM	0.00130978	763	29	13.19	.4944	157.26
5	MM	0.00151215	661	18	36.20	1.1035	250.96
6	MSF	0.00282193	354	22	02.64	.7233	337.10
7	MF	0.00305009	327	51	33.04	.7279	305.14
8	ALP1	0.03439657	29	04	21.60	.1155	103.31
9	2Q1	0.03570635	28	00	22.40	.0533	21.65
10	SIG1	0.03590872	27	50	54.20	.1990	53.85
11	Q1	0.03721850	26	52	06.09	.3295	21.01
12	RHO1	0.03742087	26	43	23.00	.0153	179.32
13	O1	0.03873065	25	49	09.64	1.0028	39.80
14	TAU1	0.03895881	25	40	05.29	.3682	37.24
15	BET1	0.04004043	24	58	29.12	.0844	316.56
16	NO1	0.04026859	24	49	59.70	.0726	126.14
17	CHI1	0.04047097	24	42	32.65	.0751	309.14
18	PI1	0.04143851	24	07	55.71	.1367	108.75
19	P1	0.04155259	24	03	57.20	.1790	16.39
20	S1	0.04166667	23	59	59.99	.1496	149.27
21	K1	0.04178075	23	56	04.08	.6069	257.98
22	PSI1	0.04189482	23	52	09.48	.0877	77.80
23	PHI1	0.04200891	23	48	16.11	.0846	338.75
24	THE1	0.04309053	23	12	25.04	.0693	55.62
25	J1	0.04329290	23	05	54.51	.0757	23.57
26	SO1	0.04460268	22	25	12.64	.2857	108.51
27	OO1	0.04483084	22	18	21.86	.0515	177.83
28	UPS1	0.04634299	21	34	41.65	.0374	271.34
29	OQ2	0.07597494	13	09	44.05	.0312	88.05
30	EPS2	0.07617731	13	07	38.17	.0686	127.50
31	2N2	0.07748710	12	54	19.35	.0943	215.80
32	MU2	0.07768947	12	52	18.33	.2956	116.49
33	N2	0.07899925	12	39	30.05	.7013	327.43
34	NU2	0.07920162	12	37	33.62	.3325	309.59
35	H1	0.08039733	12	26	17.61	.3286	171.96
36	M2	0.08051140	12	25	14.16	4.9184	329.45
37	H2	0.08062547	12	24	10.90	.4690	141.01
38	MKS2	0.08073957	12	23	07.80	.5129	46.74
39	LDA2	0.08182118	12	13	18.39	.2630	359.02
40	L2	0.08202355	12	11	29.83	.3589	338.07
41	T2	0.08321926	12	00	59.22	.3283	28.72
42	S2	0.08333334	11	59	60.00	2.6129	354.53
43	R2	0.08344740	11	59	00.95	.1403	38.98
44	K2	0.08356149	11	58	02.05	.8566	350.32
45	MSN2	0.08484548	11	47	10.07	.1825	157.04
46	ETA2	0.08507364	11	45	16.28	.0580	164.68
47	MO3	0.11924210	08	23	10.68	.2824	158.26
48	M3	0.12076710	08	16	49.44	.1775	31.14
49	SO3	0.12206400	08	11	32.73	.5249	143.78
50	MK3	0.12229210	08	10	37.72	.8358	138.01
51	SK3	0.12511410	07	59	33.74	.2110	151.55
52	MN4	0.15951060	06	16	09.03	.5463	182.56
53	M4	0.16102280	06	12	37.08	1.4463	180.90
54	SN4	0.16233260	06	09	36.69	.1456	214.34
55	MS4	0.16384470	06	06	12.03	1.1071	209.73
56	MK4	0.16407290	06	05	41.47	.3166	208.43
57	S4	0.16666670	05	59	60.00	.1715	224.35
58	SK4	0.16689480	05	59	30.47	.1012	200.49
59	2MK5	0.20280360	04	55	51.16	.1087	341.10
60	2SK5	0.20844740	04	47	50.54	.0523	306.37

Frequenza Ampiezza e Fase dei costituenti di marea

Catania

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. - Frequenze in cicli/ora

Periodi in ore, minuti, secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				4.6012	.00
2	SA	0.00011407	8766	32	48.69	7.0879	260.94
3	SSA	0.00022816	4382	53	21.12	4.1112	99.31
4	MSM	0.00130978	763	29	13.19	.6943	146.27
5	MM	0.00151215	661	18	36.20	.9473	241.34
6	MSF	0.00282193	354	22	02.64	.6379	309.62
7	MF	0.00305009	327	51	33.04	.9274	304.15
8	ALP1	0.03439657	29	04	21.60	.0192	259.58
9	2Q1	0.03570635	28	00	22.40	.0918	58.12
10	SIG1	0.03590872	27	50	54.20	.1161	51.00
11	Q1	0.03721850	26	52	06.09	.1673	35.56
12	RHO1	0.03742087	26	43	23.00	.1168	34.44
13	O1	0.03873065	25	49	09.64	1.1553	29.62
14	TAU1	0.03895881	25	40	05.29	.1761	70.50
15	BET1	0.04004043	24	58	29.12	.0567	334.19
16	NO1	0.04026859	24	49	59.70	.0226	133.61
17	CHI1	0.04047097	24	42	32.65	.1354	330.51
18	PI1	0.04143851	24	07	55.71	.1337	260.23
19	P1	0.04155259	24	03	57.20	.7123	21.05
20	S1	0.04166667	23	59	59.99	.4741	255.67
21	K1	0.04178075	23	56	04.08	1.8458	30.33
22	PSI1	0.04189482	23	52	09.48	.3077	129.06
23	PHI1	0.04200891	23	48	16.11	.1565	114.02
24	THE1	0.04309053	23	12	25.04	.0446	4.16
25	J1	0.04329290	23	05	54.51	.0409	36.10
26	SO1	0.04460268	22	25	12.64	.0279	154.51
27	OO1	0.04483084	22	18	21.86	.0195	241.47
28	UPS1	0.04634299	21	34	41.65	.0838	153.94
29	OQ2	0.07597494	13	09	44.05	.0676	10.06
30	EPS2	0.07617731	13	07	38.17	.0351	60.70
31	2N2	0.07748710	12	54	19.35	.1738	39.23
32	MU2	0.07768947	12	52	18.33	.2409	46.42
33	N2	0.07899925	12	39	30.05	1.1806	35.21
34	NU2	0.07920162	12	37	33.62	.2488	39.75
35	H1	0.08039733	12	26	17.61	.1792	229.45
36	M2	0.08051140	12	25	14.16	6.5724	33.62
37	H2	0.08062547	12	24	10.90	.0719	245.71
38	MKS2	0.08073957	12	23	07.80	.1519	293.84
39	LDA2	0.08182118	12	13	18.39	.0678	31.89
40	L2	0.08202355	12	11	29.83	.2277	38.38
41	T2	0.08321926	12	00	59.22	.2394	70.69
42	S2	0.08333334	11	59	60.00	3.4563	38.70
43	R2	0.08344740	11	59	00.95	.0533	66.83
44	K2	0.08356149	11	58	02.05	1.0926	33.21
45	MSN2	0.08484548	11	47	10.07	.0120	105.58
46	ETA2	0.08507364	11	45	16.28	.0288	205.04
47	MO3	0.11924210	08	23	10.68	.0354	189.46
48	M3	0.12076710	08	16	49.44	.1584	141.06
49	SO3	0.12206400	08	11	32.73	.0662	246.50
50	MK3	0.12229210	08	10	37.72	.0450	109.84
51	SK3	0.12511410	07	59	33.74	.0644	107.30
52	MN4	0.15951060	06	16	09.03	.0062	8.62
53	M4	0.16102280	06	12	37.08	.0494	108.27
54	SN4	0.16233260	06	09	36.69	.0266	268.51
55	MS4	0.16384470	06	06	12.03	.0539	172.20
56	MK4	0.16407290	06	05	41.47	.0217	325.28
57	S4	0.16666670	05	59	60.00	.0356	120.09
58	SK4	0.16689480	05	59	30.47	.0072	221.10
59	2MK5	0.20280360	04	55	51.16	.0261	243.84
60	2SK5	0.20844740	04	47	50.54	.0436	299.00

Frequenza Ampiezza e Fase dei costituenti di marea

PortoEmpedocle

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore,minuti,secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				5.8631	180.00
2	SA	0.00011407	8766	32	48.69	7.7432	264.19
3	SSA	0.00022816	4382	53	21.12	5.0368	88.86
4	MSM	0.00130978	763	29	13.19	.7074	118.78
5	MM	0.00151215	661	18	36.20	.2547	208.52
6	MSF	0.00282193	354	22	02.64	.9550	345.88
7	MF	0.00305009	327	51	33.04	.5263	4.40
8	ALP1	0.03439657	29	04	21.60	.1047	96.50
9	2Q1	0.03570635	28	00	22.40	.0214	209.89
10	SIG1	0.03590872	27	50	54.20	.0886	72.24
11	Q1	0.03721850	26	52	06.09	.0719	27.24
12	RHO1	0.03742087	26	43	23.00	.0347	259.01
13	O1	0.03873065	25	49	09.64	1.2859	52.48
14	TAU1	0.03895881	25	40	05.29	.1084	35.92
15	BET1	0.04004043	24	58	29.12	.1768	24.81
16	NO1	0.04026859	24	49	59.70	.1651	106.53
17	CHI1	0.04047097	24	42	32.65	.0328	147.96
18	PI1	0.04143851	24	07	55.71	.1336	98.05
19	P1	0.04155259	24	03	57.20	.5431	55.03
20	S1	0.04166667	23	59	59.99	.6739	178.75
21	K1	0.04178075	23	56	04.08	1.8660	74.40
22	PSI1	0.04189482	23	52	09.48	.1241	105.60
23	PHI1	0.04200891	23	48	16.11	.0787	30.79
24	THE1	0.04309053	23	12	25.04	.0606	195.80
25	J1	0.04329290	23	05	54.51	.1419	158.98
26	SO1	0.04460268	22	25	12.64	.0042	270.42
27	OO1	0.04483084	22	18	21.86	.1457	265.40
28	UPS1	0.04634299	21	34	41.65	.1244	308.20
29	OQ2	0.07597494	13	09	44.05	.0661	124.84
30	EPS2	0.07617731	13	07	38.17	.1131	64.26
31	2N2	0.07748710	12	54	19.35	.1713	88.43
32	MU2	0.07768947	12	52	18.33	.2289	85.40
33	N2	0.07899925	12	39	30.05	.9013	69.55
34	NU2	0.07920162	12	37	33.62	.1488	51.26
35	H1	0.08039733	12	26	17.61	.0918	345.92
36	M2	0.08051140	12	25	14.16	4.7608	42.82
37	H2	0.08062547	12	24	10.90	.1828	312.95
38	MKS2	0.08073957	12	23	07.80	.0325	221.25
39	LDA2	0.08182118	12	13	18.39	.0084	225.26
40	L2	0.08202355	12	11	29.83	.2119	37.74
41	T2	0.08321926	12	00	59.22	.2225	41.80
42	S2	0.08333334	11	59	60.00	3.4213	38.96
43	R2	0.08344740	11	59	00.95	.0437	59.93
44	K2	0.08356149	11	58	02.05	1.0874	30.52
45	MSN2	0.08484548	11	47	10.07	.1559	76.24
46	ETA2	0.08507364	11	45	16.28	.1048	136.96
47	MO3	0.11924210	08	23	10.68	.1723	18.17
48	M3	0.12076710	08	16	49.44	.0886	229.14
49	SO3	0.12206400	08	11	32.73	.1054	31.64
50	MK3	0.12229210	08	10	37.72	.1138	189.25
51	SK3	0.12511410	07	59	33.74	.0878	280.59
52	MN4	0.15951060	06	16	09.03	.1158	165.44
53	M4	0.16102280	06	12	37.08	.2414	219.14
54	SN4	0.16233260	06	09	36.69	.0125	344.48
55	MS4	0.16384470	06	06	12.03	.2855	237.86
56	MK4	0.16407290	06	05	41.47	.0792	235.60
57	S4	0.16666670	05	59	60.00	.0611	287.10
58	SK4	0.16689480	05	59	30.47	.0177	332.70
59	2MK5	0.20280360	04	55	51.16	.0667	177.25
60	2SK5	0.20844740	04	47	50.54	.0513	322.73

Frequenza Ampiezza e Fase dei costituenti di marea

Cagliari

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. - Frequenze in cicli/ora

Periodi in ore, minuti, secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				16.8447	.00
2	SA	0.00011407	8766	32	48.69	10.0684	239.25
3	SSA	0.00022816	4382	53	21.12	5.4399	85.06
4	MSM	0.00130978	763	29	13.19	.3363	138.97
5	MM	0.00151215	661	18	36.20	.3644	24.33
6	MSF	0.00282193	354	22	02.64	.9602	309.22
7	MF	0.00305009	327	51	33.04	.4634	15.97
8	ALP1	0.03439657	29	04	21.60	.1153	359.37
9	2Q1	0.03570635	28	00	22.40	.1723	246.22
10	SIG1	0.03590872	27	50	54.20	.0849	264.05
11	Q1	0.03721850	26	52	06.09	.3580	3.53
12	RHO1	0.03742087	26	43	23.00	.0435	34.40
13	O1	0.03873065	25	49	09.64	1.6718	93.67
14	TAU1	0.03895881	25	40	05.29	.0341	76.30
15	BET1	0.04004043	24	58	29.12	.0980	117.40
16	NO1	0.04026859	24	49	59.70	.3000	148.28
17	CHI1	0.04047097	24	42	32.65	.0607	79.85
18	PI1	0.04143851	24	07	55.71	.1501	110.77
19	P1	0.04155259	24	03	57.20	.7928	167.62
20	S1	0.04166667	23	59	59.99	.5017	199.87
21	K1	0.04178075	23	56	04.08	3.0686	168.49
22	PSI1	0.04189482	23	52	09.48	.1992	288.80
23	PHI1	0.04200891	23	48	16.11	.1584	177.85
24	THE1	0.04309053	23	12	25.04	.0465	215.55
25	J1	0.04329290	23	05	54.51	.1389	243.14
26	SO1	0.04460268	22	25	12.64	.0526	336.23
27	OO1	0.04483084	22	18	21.86	.0301	342.34
28	UPS1	0.04634299	21	34	41.65	.1184	46.73
29	OQ2	0.07597494	13	09	44.05	.1076	194.16
30	EPS2	0.07617731	13	07	38.17	.0603	175.26
31	2N2	0.07748710	12	54	19.35	.3490	175.41
32	MU2	0.07768947	12	52	18.33	.3971	171.42
33	N2	0.07899925	12	39	30.05	1.7606	193.05
34	NU2	0.07920162	12	37	33.62	.3189	192.27
35	H1	0.08039733	12	26	17.61	.0710	7.85
36	M2	0.08051140	12	25	14.16	8.7707	207.74
37	H2	0.08062547	12	24	10.90	.0742	.21
38	MKS2	0.08073957	12	23	07.80	.1276	291.64
39	LDA2	0.08182118	12	13	18.39	.0181	260.91
40	L2	0.08202355	12	11	29.83	.1633	207.34
41	T2	0.08321926	12	00	59.22	.2778	206.43
42	S2	0.08333334	11	59	60.00	3.1229	232.97
43	R2	0.08344740	11	59	00.95	.0938	238.76
44	K2	0.08356149	11	58	02.05	.8979	226.34
45	MSN2	0.08484548	11	47	10.07	.0734	292.68
46	ETA2	0.08507364	11	45	16.28	.1287	268.36
47	MO3	0.11924210	08	23	10.68	.0807	70.92
48	M3	0.12076710	08	16	49.44	.1753	340.35
49	SO3	0.12206400	08	11	32.73	.0735	352.84
50	MK3	0.12229210	08	10	37.72	.0561	71.27
51	SK3	0.12511410	07	59	33.74	.1449	259.71
52	MN4	0.15951060	06	16	09.03	.0707	46.14
53	M4	0.16102280	06	12	37.08	.1054	81.48
54	SN4	0.16233260	06	09	36.69	.0394	108.79
55	MS4	0.16384470	06	06	12.03	.0316	133.52
56	MK4	0.16407290	06	05	41.47	.0609	243.08
57	S4	0.16666670	05	59	60.00	.0460	25.82
58	SK4	0.16689480	05	59	30.47	.0163	181.76
59	2MK5	0.20280360	04	55	51.16	.0476	236.98
60	2SK5	0.20844740	04	47	50.54	.0647	196.08

Frequenza Ampiezza e Fase dei costituenti di marea

Carloforte

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore,minuti,secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				13.8092	.00
2	SA	0.00011407	8766	32	48.69	8.9106	237.54
3	SSA	0.00022816	4382	53	21.12	5.9259	78.01
4	MSM	0.00130978	763	29	13.19	.3031	140.34
5	MM	0.00151215	661	18	36.20	.8887	53.83
6	MSF	0.00282193	354	22	02.64	.9024	319.15
7	MF	0.00305009	327	51	33.04	.2663	58.80
8	ALP1	0.03439657	29	04	21.60	.1334	343.95
9	2Q1	0.03570635	28	00	22.40	.1356	252.59
10	SIG1	0.03590872	27	50	54.20	.1004	278.89
11	Q1	0.03721850	26	52	06.09	.3501	.73
12	RHO1	0.03742087	26	43	23.00	.0510	108.65
13	O1	0.03873065	25	49	09.64	1.7063	98.18
14	TAU1	0.03895881	25	40	05.29	.0377	154.73
15	BET1	0.04004043	24	58	29.12	.1174	84.24
16	NO1	0.04026859	24	49	59.70	.3892	138.48
17	CHI1	0.04047097	24	42	32.65	.0291	135.41
18	PI1	0.04143851	24	07	55.71	.1182	91.75
19	P1	0.04155259	24	03	57.20	1.1119	165.19
20	S1	0.04166667	23	59	59.99	.2712	166.46
21	K1	0.04178075	23	56	04.08	3.8113	170.97
22	PSI1	0.04189482	23	52	09.48	.1601	266.37
23	PHI1	0.04200891	23	48	16.11	.1752	161.55
24	THE1	0.04309053	23	12	25.04	.0546	315.38
25	J1	0.04329290	23	05	54.51	.1198	212.54
26	SO1	0.04460268	22	25	12.64	.0654	77.05
27	OO1	0.04483084	22	18	21.86	.1423	323.18
28	UPS1	0.04634299	21	34	41.65	.0596	58.50
29	OQ2	0.07597494	13	09	44.05	.0341	253.07
30	EPS2	0.07617731	13	07	38.17	.0412	108.15
31	2N2	0.07748710	12	54	19.35	.2242	170.98
32	MU2	0.07768947	12	52	18.33	.1862	159.17
33	N2	0.07899925	12	39	30.05	1.3666	192.45
34	NU2	0.07920162	12	37	33.62	.2979	196.88
35	H1	0.08039733	12	26	17.61	.0281	55.65
36	M2	0.08051140	12	25	14.16	6.8414	203.07
37	H2	0.08062547	12	24	10.90	.0132	35.87
38	MKS2	0.08073957	12	23	07.80	.0355	240.26
39	LDA2	0.08182118	12	13	18.39	.0884	157.03
40	L2	0.08202355	12	11	29.83	.1929	205.63
41	T2	0.08321926	12	00	59.22	.1741	209.71
42	S2	0.08333334	11	59	60.00	2.7525	220.89
43	R2	0.08344740	11	59	00.95	.0385	239.13
44	K2	0.08356149	11	58	02.05	.7313	218.03
45	MSN2	0.08484548	11	47	10.07	.0234	172.09
46	ETA2	0.08507364	11	45	16.28	.0251	287.58
47	MO3	0.11924210	08	23	10.68	.0462	194.81
48	M3	0.12076710	08	16	49.44	.0396	122.71
49	SO3	0.12206400	08	11	32.73	.0582	100.44
50	MK3	0.12229210	08	10	37.72	.0398	235.94
51	SK3	0.12511410	07	59	33.74	.0246	124.55
52	MN4	0.15951060	06	16	09.03	.1694	222.10
53	M4	0.16102280	06	12	37.08	.3482	276.21
54	SN4	0.16233260	06	09	36.69	.0483	225.72
55	MS4	0.16384470	06	06	12.03	.2538	333.22
56	MK4	0.16407290	06	05	41.47	.0831	333.01
57	S4	0.16666670	05	59	60.00	.0219	112.70
58	SK4	0.16689480	05	59	30.47	.0477	237.34
59	2MK5	0.20280360	04	55	51.16	.0306	292.00
60	2SK5	0.20844740	04	47	50.54	.0294	281.73

Frequenza Ampiezza e Fase dei costituenti di marea

Porto Torres

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. - Frequenze in cicli/ora

Periodi in ore, minuti, secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				17.1219	.00
2	SA	0.00011407	8766	32	48.69	9.5218	239.23
3	SSA	0.00022816	4382	53	21.12	7.0266	84.86
4	MSM	0.00130978	763	29	13.19	.7159	197.63
5	MM	0.00151215	661	18	36.20	.9629	93.11
6	MSF	0.00282193	354	22	02.64	1.0511	301.24
7	MF	0.00305009	327	51	33.04	.4763	148.14
8	ALP1	0.03439657	29	04	21.60	.0673	9.13
9	2Q1	0.03570635	28	00	22.40	.1260	220.20
10	SIG1	0.03590872	27	50	54.20	.0489	345.07
11	Q1	0.03721850	26	52	06.09	.3487	10.71
12	RHO1	0.03742087	26	43	23.00	.0469	21.17
13	O1	0.03873065	25	49	09.64	1.7584	104.24
14	TAU1	0.03895881	25	40	05.29	.0675	185.61
15	BET1	0.04004043	24	58	29.12	.0697	120.07
16	NO1	0.04026859	24	49	59.70	.4140	149.76
17	CHI1	0.04047097	24	42	32.65	.0621	116.72
18	PI1	0.04143851	24	07	55.71	.1899	89.62
19	P1	0.04155259	24	03	57.20	1.0031	175.54
20	S1	0.04166667	23	59	59.99	.3950	171.08
21	K1	0.04178075	23	56	04.08	3.6989	180.80
22	PSI1	0.04189482	23	52	09.48	.1312	274.69
23	PHI1	0.04200891	23	48	16.11	.1081	161.15
24	THE1	0.04309053	23	12	25.04	.0876	233.18
25	J1	0.04329290	23	05	54.51	.1766	228.57
26	SO1	0.04460268	22	25	12.64	.0307	108.72
27	OO1	0.04483084	22	18	21.86	.0945	312.82
28	UPS1	0.04634299	21	34	41.65	.0629	105.10
29	OQ2	0.07597494	13	09	44.05	.0233	94.57
30	EPS2	0.07617731	13	07	38.17	.0619	149.51
31	2N2	0.07748710	12	54	19.35	.2508	184.71
32	MU2	0.07768947	12	52	18.33	.1925	188.77
33	N2	0.07899925	12	39	30.05	1.4403	203.55
34	NU2	0.07920162	12	37	33.62	.2754	217.13
35	H1	0.08039733	12	26	17.61	.1979	252.27
36	M2	0.08051140	12	25	14.16	7.3364	213.57
37	H2	0.08062547	12	24	10.90	.2532	188.00
38	MKS2	0.08073957	12	23	07.80	.1663	100.64
39	LDA2	0.08182118	12	13	18.39	.1001	200.52
40	L2	0.08202355	12	11	29.83	.2251	221.12
41	T2	0.08321926	12	00	59.22	.1807	199.54
42	S2	0.08333334	11	59	60.00	2.9845	232.78
43	R2	0.08344740	11	59	00.95	.0700	9.21
44	K2	0.08356149	11	58	02.05	.8102	224.04
45	MSN2	0.08484548	11	47	10.07	.0165	352.01
46	ETA2	0.08507364	11	45	16.28	.0816	261.38
47	MO3	0.11924210	08	23	10.68	.0263	243.49
48	M3	0.12076710	08	16	49.44	.0752	176.01
49	SO3	0.12206400	08	11	32.73	.0074	24.51
50	MK3	0.12229210	08	10	37.72	.0131	130.70
51	SK3	0.12511410	07	59	33.74	.0756	117.17
52	MN4	0.15951060	06	16	09.03	.1833	270.81
53	M4	0.16102280	06	12	37.08	.5148	310.83
54	SN4	0.16233260	06	09	36.69	.0494	320.82
55	MS4	0.16384470	06	06	12.03	.3527	15.84
56	MK4	0.16407290	06	05	41.47	.1013	15.19
57	S4	0.16666670	05	59	60.00	.0359	238.58
58	SK4	0.16689480	05	59	30.47	.0193	214.90
59	2MK5	0.20280360	04	55	51.16	.0143	265.26
60	2SK5	0.20844740	04	47	50.54	.0132	230.32

Frequenza Ampiezza e Fase dei costituenti di marea

Lampedusa

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore,minuti,secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				5.8139	.00
2	SA	0.00011407	8766	32	48.69	10.4405	258.99
3	SSA	0.00022816	4382	53	21.12	5.9380	107.37
4	MSM	0.00130978	763	29	13.19	.6714	204.68
5	MM	0.00151215	661	18	36.20	.7493	309.24
6	MSF	0.00282193	354	22	02.64	.6261	18.44
7	MF	0.00305009	327	51	33.04	.8071	342.15
8	ALP1	0.03439657	29	04	21.60	.0359	66.57
9	2Q1	0.03570635	28	00	22.40	.1206	333.24
10	SIG1	0.03590872	27	50	54.20	.0396	34.86
11	Q1	0.03721850	26	52	06.09	.3186	39.21
12	RHO1	0.03742087	26	43	23.00	.0385	96.98
13	O1	0.03873065	25	49	09.64	.7019	69.16
14	TAU1	0.03895881	25	40	05.29	.0575	22.67
15	BET1	0.04004043	24	58	29.12	.0312	63.97
16	NO1	0.04026859	24	49	59.70	.2056	185.93
17	CHI1	0.04047097	24	42	32.65	.0241	230.11
18	PI1	0.04143851	24	07	55.71	.0230	299.67
19	P1	0.04155259	24	03	57.20	.0998	349.37
20	S1	0.04166667	23	59	59.99	.1800	328.50
21	K1	0.04178075	23	56	04.08	.7431	350.13
22	PSI1	0.04189482	23	52	09.48	.1791	168.57
23	PHI1	0.04200891	23	48	16.11	.0546	86.91
24	THE1	0.04309053	23	12	25.04	.0538	161.90
25	J1	0.04329290	23	05	54.51	.0239	248.47
26	SO1	0.04460268	22	25	12.64	.0364	334.57
27	OO1	0.04483084	22	18	21.86	.0411	233.00
28	UPS1	0.04634299	21	34	41.65	.1005	217.69
29	OQ2	0.07597494	13	09	44.05	.1033	76.22
30	EPS2	0.07617731	13	07	38.17	.0665	97.78
31	2N2	0.07748710	12	54	19.35	.1401	22.31
32	MU2	0.07768947	12	52	18.33	.0847	69.35
33	N2	0.07899925	12	39	30.05	.9560	24.11
34	NU2	0.07920162	12	37	33.62	.2127	4.73
35	H1	0.08039733	12	26	17.61	.2374	1.96
36	M2	0.08051140	12	25	14.16	7.5326	14.11
37	H2	0.08062547	12	24	10.90	.2325	343.97
38	MKS2	0.08073957	12	23	07.80	.1636	217.90
39	LDA2	0.08182118	12	13	18.39	.1046	61.24
40	L2	0.08202355	12	11	29.83	.4189	24.38
41	T2	0.08321926	12	00	59.22	.1079	352.20
42	S2	0.08333334	11	59	60.00	5.1777	28.72
43	R2	0.08344740	11	59	00.95	.0836	166.11
44	K2	0.08356149	11	58	02.05	1.4535	23.90
45	MSN2	0.08484548	11	47	10.07	.0254	352.68
46	ETA2	0.08507364	11	45	16.28	.1469	50.95
47	MO3	0.11924210	08	23	10.68	.0491	320.45
48	M3	0.12076710	08	16	49.44	.0693	95.11
49	SO3	0.12206400	08	11	32.73	.0273	235.47
50	MK3	0.12229210	08	10	37.72	.0524	136.78
51	SK3	0.12511410	07	59	33.74	.0653	349.42
52	MN4	0.15951060	06	16	09.03	.1131	188.82
53	M4	0.16102280	06	12	37.08	.2303	224.37
54	SN4	0.16233260	06	09	36.69	.0390	273.17
55	MS4	0.16384470	06	06	12.03	.2523	259.15
56	MK4	0.16407290	06	05	41.47	.0834	218.64
57	S4	0.16666670	05	59	60.00	.0556	233.19
58	SK4	0.16689480	05	59	30.47	.0482	166.69
59	2MK5	0.20280360	04	55	51.16	.0333	9.60
60	2SK5	0.20844740	04	47	50.54	.0443	321.31

Frequenza Ampiezza e Fase dei costituenti di marea

San Benedetto

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. - Frequenze in cicli/ora

Periodi in ore, minuti, secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				2.3714	180.00
2	SA	0.00011407	8766	32	48.69	10.2438	272.96
3	SSA	0.00022816	4382	53	21.12	8.8281	106.38
4	MSM	0.00130978	763	29	13.19	.8861	189.91
5	MM	0.00151215	661	18	36.20	1.7679	223.86
6	MSF	0.00282193	354	22	02.64	1.2656	342.43
7	MF	0.00305009	327	51	33.04	.5896	305.62
8	ALP1	0.03439657	29	04	21.60	.2491	99.82
9	2Q1	0.03570635	28	00	22.40	.2303	299.65
10	SIG1	0.03590872	27	50	54.20	.3045	320.80
11	Q1	0.03721850	26	52	06.09	.6423	94.71
12	RHO1	0.03742087	26	43	23.00	.2885	92.25
13	O1	0.03873065	25	49	09.64	3.2685	53.13
14	TAU1	0.03895881	25	40	05.29	.0930	235.28
15	BET1	0.04004043	24	58	29.12	.1589	244.20
16	NO1	0.04026859	24	49	59.70	.3707	50.48
17	CHI1	0.04047097	24	42	32.65	.4463	126.10
18	PI1	0.04143851	24	07	55.71	.4147	19.50
19	P1	0.04155259	24	03	57.20	3.2984	59.68
20	S1	0.04166667	23	59	59.99	1.0887	341.68
21	K1	0.04178075	23	56	04.08	9.5899	66.35
22	PSI1	0.04189482	23	52	09.48	.5023	231.99
23	PHI1	0.04200891	23	48	16.11	.7219	55.70
24	THE1	0.04309053	23	12	25.04	.3378	139.00
25	J1	0.04329290	23	05	54.51	.6921	96.91
26	SO1	0.04460268	22	25	12.64	.3807	230.87
27	OO1	0.04483084	22	18	21.86	1.3235	108.53
28	UPS1	0.04634299	21	34	41.65	.4179	4.74
29	OQ2	0.07597494	13	09	44.05	.1517	304.76
30	EPS2	0.07617731	13	07	38.17	.0793	108.83
31	2N2	0.07748710	12	54	19.35	.0545	343.72
32	MU2	0.07768947	12	52	18.33	.1481	87.93
33	N2	0.07899925	12	39	30.05	.7085	33.94
34	NU2	0.07920162	12	37	33.62	.1889	61.99
35	H1	0.08039733	12	26	17.61	.5854	174.27
36	M2	0.08051140	12	25	14.16	5.6086	43.17
37	H2	0.08062547	12	24	10.90	.7763	257.72
38	MKS2	0.08073957	12	23	07.80	.6078	79.79
39	LDA2	0.08182118	12	13	18.39	.3219	47.70
40	L2	0.08202355	12	11	29.83	.1619	11.38
41	T2	0.08321926	12	00	59.22	.4572	10.32
42	S2	0.08333334	11	59	60.00	3.8914	55.20
43	R2	0.08344740	11	59	00.95	.3505	63.85
44	K2	0.08356149	11	58	02.05	1.4133	59.86
45	MSN2	0.08484548	11	47	10.07	.0805	88.46
46	ETA2	0.08507364	11	45	16.28	.1190	111.58
47	MO3	0.11924210	08	23	10.68	.0506	179.71
48	M3	0.12076710	08	16	49.44	.2699	341.79
49	SO3	0.12206400	08	11	32.73	.0855	259.03
50	MK3	0.12229210	08	10	37.72	.0369	94.39
51	SK3	0.12511410	07	59	33.74	.1233	295.49
52	MN4	0.15951060	06	16	09.03	.0805	296.38
53	M4	0.16102280	06	12	37.08	.1109	334.95
54	SN4	0.16233260	06	09	36.69	.0553	306.32
55	MS4	0.16384470	06	06	12.03	.0280	274.42
56	MK4	0.16407290	06	05	41.47	.0449	290.63
57	S4	0.16666670	05	59	60.00	.0324	287.35
58	SK4	0.16689480	05	59	30.47	.0572	105.75
59	2MK5	0.20280360	04	55	51.16	.0463	35.64
60	2SK5	0.20844740	04	47	50.54	.0427	137.02

Frequenza Ampiezza e Fase dei costituenti di marea

Gaeta

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore,minuti,secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				5.9143	180.00
2	SA	0.00011407	8766	32	48.69	7.2929	262.79
3	SSA	0.00022816	4382	53	21.12	6.6371	98.08
4	MSM	0.00130978	763	29	13.19	.3970	205.25
5	MM	0.00151215	661	18	36.20	.3953	232.10
6	MSF	0.00282193	354	22	02.64	.9240	311.17
7	MF	0.00305009	327	51	33.04	.0556	31.35
8	ALP1	0.03439657	29	04	21.60	.1205	63.63
9	2Q1	0.03570635	28	00	22.40	.1615	271.16
10	SIG1	0.03590872	27	50	54.20	.1411	284.60
11	Q1	0.03721850	26	52	06.09	.2489	359.82
12	RHO1	0.03742087	26	43	23.00	.0861	347.22
13	O1	0.03873065	25	49	09.64	1.1368	94.87
14	TAU1	0.03895881	25	40	05.29	.0363	141.26
15	BET1	0.04004043	24	58	29.12	.0865	112.17
16	NO1	0.04026859	24	49	59.70	.2855	158.27
17	CHI1	0.04047097	24	42	32.65	.0312	60.84
18	PI1	0.04143851	24	07	55.71	.1424	114.02
19	P1	0.04155259	24	03	57.20	.7655	176.30
20	S1	0.04166667	23	59	59.99	.1244	160.22
21	K1	0.04178075	23	56	04.08	2.8591	185.17
22	PSI1	0.04189482	23	52	09.48	.1124	253.71
23	PHI1	0.04200891	23	48	16.11	.1451	167.86
24	THE1	0.04309053	23	12	25.04	.0356	54.64
25	J1	0.04329290	23	05	54.51	.1356	243.56
26	SO1	0.04460268	22	25	12.64	.0317	83.95
27	OO1	0.04483084	22	18	21.86	.0809	291.19
28	UPS1	0.04634299	21	34	41.65	.0594	36.33
29	OQ2	0.07597494	13	09	44.05	.0725	102.07
30	EPS2	0.07617731	13	07	38.17	.0956	146.21
31	2N2	0.07748710	12	54	19.35	.3716	172.14
32	MU2	0.07768947	12	52	18.33	.4337	171.47
33	N2	0.07899925	12	39	30.05	2.4253	193.36
34	NU2	0.07920162	12	37	33.62	.4730	198.16
35	H1	0.08039733	12	26	17.61	.0703	55.29
36	M2	0.08051140	12	25	14.16	11.7520	205.74
37	H2	0.08062547	12	24	10.90	.0682	20.90
38	MKS2	0.08073957	12	23	07.80	.2213	271.84
39	LDA2	0.08182118	12	13	18.39	.1209	189.87
40	L2	0.08202355	12	11	29.83	.2668	223.76
41	T2	0.08321926	12	00	59.22	.3204	217.03
42	S2	0.08333334	11	59	60.00	4.3551	225.41
43	R2	0.08344740	11	59	00.95	.0741	263.18
44	K2	0.08356149	11	58	02.05	1.1939	226.42
45	MSN2	0.08484548	11	47	10.07	.0235	303.09
46	ETA2	0.08507364	11	45	16.28	.0967	201.13
47	MO3	0.11924210	08	23	10.68	.1082	71.69
48	M3	0.12076710	08	16	49.44	.4200	312.49
49	SO3	0.12206400	08	11	32.73	.1011	47.81
50	MK3	0.12229210	08	10	37.72	.0410	263.76
51	SK3	0.12511410	07	59	33.74	.1955	270.63
52	MN4	0.15951060	06	16	09.03	.1732	49.36
53	M4	0.16102280	06	12	37.08	.3723	85.98
54	SN4	0.16233260	06	09	36.69	.0451	83.02
55	MS4	0.16384470	06	06	12.03	.2236	145.98
56	MK4	0.16407290	06	05	41.47	.0462	134.74
57	S4	0.16666670	05	59	60.00	.0276	39.81
58	SK4	0.16689480	05	59	30.47	.0306	73.01
59	2MK5	0.20280360	04	55	51.16	.0396	192.11
60	2SK5	0.20844740	04	47	50.54	.0237	76.08

Frequenza Ampiezza e Fase dei costituenti di marea

La Spezia

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. - Frequenze in cicli/ora

Periodi in ore, minuti, secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				7.5532	.00
2	SA	0.00011407	8766	32	48.69	7.8817	259.76
3	SSA	0.00022816	4382	53	21.12	8.6174	97.44
4	MSM	0.00130978	763	29	13.19	1.0821	233.88
5	MM	0.00151215	661	18	36.20	1.4921	121.01
6	MSF	0.00282193	354	22	02.64	1.2106	299.76
7	MF	0.00305009	327	51	33.04	.6238	176.55
8	ALP1	0.03439657	29	04	21.60	.0658	19.00
9	2Q1	0.03570635	28	00	22.40	.3476	278.65
10	SIG1	0.03590872	27	50	54.20	.1156	278.09
11	Q1	0.03721850	26	52	06.09	.2910	346.12
12	RHO1	0.03742087	26	43	23.00	.0392	345.54
13	O1	0.03873065	25	49	09.64	1.4802	102.72
14	TAU1	0.03895881	25	40	05.29	.1035	162.51
15	BET1	0.04004043	24	58	29.12	.0678	97.28
16	NO1	0.04026859	24	49	59.70	.2999	146.02
17	CHI1	0.04047097	24	42	32.65	.0470	217.64
18	PI1	0.04143851	24	07	55.71	.3762	135.57
19	P1	0.04155259	24	03	57.20	.7774	181.26
20	S1	0.04166667	23	59	59.99	.8578	201.48
21	K1	0.04178075	23	56	04.08	3.6762	182.97
22	PSI1	0.04189482	23	52	09.48	.3358	8.63
23	PHI1	0.04200891	23	48	16.11	.0994	154.71
24	THE1	0.04309053	23	12	25.04	.1038	86.66
25	J1	0.04329290	23	05	54.51	.2619	238.47
26	SO1	0.04460268	22	25	12.64	.0253	142.25
27	OO1	0.04483084	22	18	21.86	.1338	33.79
28	UPS1	0.04634299	21	34	41.65	.1137	33.78
29	OQ2	0.07597494	13	09	44.05	.0695	193.23
30	EPS2	0.07617731	13	07	38.17	.0618	202.79
31	2N2	0.07748710	12	54	19.35	.2656	206.79
32	MU2	0.07768947	12	52	18.33	.1680	207.69
33	N2	0.07899925	12	39	30.05	1.6575	202.82
34	NU2	0.07920162	12	37	33.62	.1378	236.73
35	H1	0.08039733	12	26	17.61	1.0975	12.06
36	M2	0.08051140	12	25	14.16	8.5186	208.08
37	H2	0.08062547	12	24	10.90	.9704	97.40
38	MKS2	0.08073957	12	23	07.80	.6750	116.49
39	LDA2	0.08182118	12	13	18.39	.0489	191.86
40	L2	0.08202355	12	11	29.83	.2635	185.92
41	T2	0.08321926	12	00	59.22	.6669	216.84
42	S2	0.08333334	11	59	60.00	3.2184	223.27
43	R2	0.08344740	11	59	00.95	.3387	303.38
44	K2	0.08356149	11	58	02.05	.9858	208.88
45	MSN2	0.08484548	11	47	10.07	.0275	37.64
46	ETA2	0.08507364	11	45	16.28	.0691	207.00
47	MO3	0.11924210	08	23	10.68	.0773	90.00
48	M3	0.12076710	08	16	49.44	.0811	148.00
49	SO3	0.12206400	08	11	32.73	.0129	35.34
50	MK3	0.12229210	08	10	37.72	.0524	209.59
51	SK3	0.12511410	07	59	33.74	.0483	108.36
52	MN4	0.15951060	06	16	09.03	.1966	247.35
53	M4	0.16102280	06	12	37.08	.4814	295.44
54	SN4	0.16233260	06	09	36.69	.0141	75.03
55	MS4	0.16384470	06	06	12.03	.3219	347.25
56	MK4	0.16407290	06	05	41.47	.1166	357.15
57	S4	0.16666670	05	59	60.00	.1777	241.23
58	SK4	0.16689480	05	59	30.47	.0581	243.48
59	2MK5	0.20280360	04	55	51.16	.0371	42.66
60	2SK5	0.20844740	04	47	50.54	.0217	284.57

Frequenza Ampiezza e Fase dei costituenti di marea

Ginotra

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore,minuti,secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				14.8382	180.00
2	SA	0.00011407	8766	32	48.69	15.2615	266.40
3	SSA	0.00022816	4382	53	21.12	4.2499	148.02
4	MSM	0.00130978	763	29	13.19	.1756	348.49
5	MM	0.00151215	661	18	36.20	.2605	173.52
6	MSF	0.00282193	354	22	02.64	.8074	317.77
7	MF	0.00305009	327	51	33.04	.3413	331.21
8	ALP1	0.03439657	29	04	21.60	.0296	334.28
9	2Q1	0.03570635	28	00	22.40	.1701	281.71
10	SIG1	0.03590872	27	50	54.20	.0868	215.68
11	Q1	0.03721850	26	52	06.09	.1981	349.02
12	RHO1	0.03742087	26	43	23.00	.0541	51.70
13	O1	0.03873065	25	49	09.64	.9517	106.41
14	TAU1	0.03895881	25	40	05.29	.0628	96.97
15	BET1	0.04004043	24	58	29.12	.0623	142.42
16	NO1	0.04026859	24	49	59.70	.3307	147.60
17	CHI1	0.04047097	24	42	32.65	.0300	68.96
18	PI1	0.04143851	24	07	55.71	.1117	51.66
19	P1	0.04155259	24	03	57.20	.7638	182.96
20	S1	0.04166667	23	59	59.99	.1250	137.74
21	K1	0.04178075	23	56	04.08	3.0093	186.90
22	PSI1	0.04189482	23	52	09.48	.1416	250.37
23	PHI1	0.04200891	23	48	16.11	.1379	179.34
24	THE1	0.04309053	23	12	25.04	.0484	348.60
25	J1	0.04329290	23	05	54.51	.1193	235.00
26	SO1	0.04460268	22	25	12.64	.0577	130.59
27	OO1	0.04483084	22	18	21.86	.0610	337.48
28	UPS1	0.04634299	21	34	41.65	.1938	348.56
29	OQ2	0.07597494	13	09	44.05	.0923	77.05
30	EPS2	0.07617731	13	07	38.17	.1179	176.63
31	2N2	0.07748710	12	54	19.35	.3387	176.91
32	MU2	0.07768947	12	52	18.33	.4292	174.22
33	N2	0.07899925	12	39	30.05	2.3213	193.97
34	NU2	0.07920162	12	37	33.62	.4728	198.63
35	H1	0.08039733	12	26	17.61	.1974	104.53
36	M2	0.08051140	12	25	14.16	11.5013	206.98
37	H2	0.08062547	12	24	10.90	.2284	357.09
38	MKS2	0.08073957	12	23	07.80	.0551	348.41
39	LDA2	0.08182118	12	13	18.39	.0198	215.99
40	L2	0.08202355	12	11	29.83	.2392	218.11
41	T2	0.08321926	12	00	59.22	.3281	229.65
42	S2	0.08333334	11	59	60.00	4.3190	227.27
43	R2	0.08344740	11	59	00.95	.0215	209.42
44	K2	0.08356149	11	58	02.05	1.1401	221.45
45	MSN2	0.08484548	11	47	10.07	.0798	116.86
46	ETA2	0.08507364	11	45	16.28	.0839	191.06
47	MO3	0.11924210	08	23	10.68	.0816	61.14
48	M3	0.12076710	08	16	49.44	.3771	320.79
49	SO3	0.12206400	08	11	32.73	.1546	77.88
50	MK3	0.12229210	08	10	37.72	.0298	9.59
51	SK3	0.12511410	07	59	33.74	.2179	261.94
52	MN4	0.15951060	06	16	09.03	.1174	39.88
53	M4	0.16102280	06	12	37.08	.3985	82.02
54	SN4	0.16233260	06	09	36.69	.0515	141.39
55	MS4	0.16384470	06	06	12.03	.2988	140.24
56	MK4	0.16407290	06	05	41.47	.0954	118.61
57	S4	0.16666670	05	59	60.00	.0860	17.17
58	SK4	0.16689480	05	59	30.47	.0137	183.96
59	2MK5	0.20280360	04	55	51.16	.0215	178.73
60	2SK5	0.20844740	04	47	50.54	.0400	201.40

Frequenza Ampiezza e Fase dei costituenti di marea

Ponza

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. - Frequenze in cicli/ora

Periodi in ore, minuti, secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				9.3927	180.00
2	SA	0.00011407	8766	32	48.69	5.9258	246.07
3	SSA	0.00022816	4382	53	21.12	4.3497	91.88
4	MSM	0.00130978	763	29	13.19	.2156	197.12
5	MM	0.00151215	661	18	36.20	.2450	192.15
6	MSF	0.00282193	354	22	02.64	.8227	311.53
7	MF	0.00305009	327	51	33.04	.3668	320.06
8	ALP1	0.03439657	29	04	21.60	.0999	24.97
9	2Q1	0.03570635	28	00	22.40	.1276	271.83
10	SIG1	0.03590872	27	50	54.20	.1104	291.95
11	Q1	0.03721850	26	52	06.09	.2999	5.70
12	RHO1	0.03742087	26	43	23.00	.0748	305.18
13	O1	0.03873065	25	49	09.64	1.1140	95.01
14	TAU1	0.03895881	25	40	05.29	.0509	119.91
15	BET1	0.04004043	24	58	29.12	.0621	96.00
16	NO1	0.04026859	24	49	59.70	.2949	157.31
17	CHI1	0.04047097	24	42	32.65	.0499	182.41
18	PI1	0.04143851	24	07	55.71	.1192	78.82
19	P1	0.04155259	24	03	57.20	.8372	177.22
20	S1	0.04166667	23	59	59.99	.2174	88.42
21	K1	0.04178075	23	56	04.08	2.9228	183.45
22	PSI1	0.04189482	23	52	09.48	.1095	277.06
23	PHI1	0.04200891	23	48	16.11	.0914	177.96
24	THE1	0.04309053	23	12	25.04	.0192	232.22
25	J1	0.04329290	23	05	54.51	.1802	228.35
26	SO1	0.04460268	22	25	12.64	.0089	118.71
27	OO1	0.04483084	22	18	21.86	.0449	292.39
28	UPS1	0.04634299	21	34	41.65	.0320	312.79
29	OQ2	0.07597494	13	09	44.05	.0527	91.11
30	EPS2	0.07617731	13	07	38.17	.0458	158.36
31	2N2	0.07748710	12	54	19.35	.3545	173.56
32	MU2	0.07768947	12	52	18.33	.3739	163.80
33	N2	0.07899925	12	39	30.05	2.3020	193.89
34	NU2	0.07920162	12	37	33.62	.4397	187.80
35	H1	0.08039733	12	26	17.61	.1357	37.20
36	M2	0.08051140	12	25	14.16	11.3977	206.09
37	H2	0.08062547	12	24	10.90	.1496	50.42
38	MKS2	0.08073957	12	23	07.80	.1963	262.69
39	LDA2	0.08182118	12	13	18.39	.0419	177.71
40	L2	0.08202355	12	11	29.83	.2141	215.72
41	T2	0.08321926	12	00	59.22	.3092	228.26
42	S2	0.08333334	11	59	60.00	4.1804	225.61
43	R2	0.08344740	11	59	00.95	.1204	240.06
44	K2	0.08356149	11	58	02.05	1.1258	223.51
45	MSN2	0.08484548	11	47	10.07	.0280	317.08
46	ETA2	0.08507364	11	45	16.28	.1185	199.53
47	MO3	0.11924210	08	23	10.68	.0827	42.83
48	M3	0.12076710	08	16	49.44	.3779	319.47
49	SO3	0.12206400	08	11	32.73	.1015	18.33
50	MK3	0.12229210	08	10	37.72	.0512	1.75
51	SK3	0.12511410	07	59	33.74	.2014	264.23
52	MN4	0.15951060	06	16	09.03	.1433	45.81
53	M4	0.16102280	06	12	37.08	.3644	83.66
54	SN4	0.16233260	06	09	36.69	.0344	110.27
55	MS4	0.16384470	06	06	12.03	.2077	132.55
56	MK4	0.16407290	06	05	41.47	.0614	117.40
57	S4	0.16666670	05	59	60.00	.0406	76.57
58	SK4	0.16689480	05	59	30.47	.0155	68.67
59	2MK5	0.20280360	04	55	51.16	.0274	354.96
60	2SK5	0.20844740	04	47	50.54	.0046	143.91

Frequenza Ampiezza e Fase dei costituenti di marea

Marina di Campo

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore,minuti,secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				.0006	180.01
2	SA	0.00011407	8766	32	48.69	6.5858	258.47
3	SSA	0.00022816	4382	53	21.12	6.5576	94.89
4	MSM	0.00130978	763	29	13.19	.7260	209.74
5	MM	0.00151215	661	18	36.20	.8657	150.06
6	MSF	0.00282193	354	22	02.64	1.1966	302.75
7	MF	0.00305009	327	51	33.04	.4233	143.62
8	ALP1	0.03439657	29	04	21.60	.1381	38.43
9	2Q1	0.03570635	28	00	22.40	.2208	274.78
10	SIG1	0.03590872	27	50	54.20	.1573	285.10
11	Q1	0.03721850	26	52	06.09	.3680	10.03
12	RHO1	0.03742087	26	43	23.00	.1024	22.71
13	O1	0.03873065	25	49	09.64	1.5224	86.32
14	TAU1	0.03895881	25	40	05.29	.0914	140.95
15	BET1	0.04004043	24	58	29.12	.0266	152.19
16	NO1	0.04026859	24	49	59.70	.3160	147.55
17	CHI1	0.04047097	24	42	32.65	.0144	159.16
18	PI1	0.04143851	24	07	55.71	.1877	82.84
19	P1	0.04155259	24	03	57.20	.7820	164.91
20	S1	0.04166667	23	59	59.99	.3458	182.42
21	K1	0.04178075	23	56	04.08	2.9253	165.54
22	PSI1	0.04189482	23	52	09.48	.1050	289.29
23	PHI1	0.04200891	23	48	16.11	.0623	194.97
24	THE1	0.04309053	23	12	25.04	.0122	102.92
25	J1	0.04329290	23	05	54.51	.1124	217.05
26	SO1	0.04460268	22	25	12.64	.0235	.06
27	OO1	0.04483084	22	18	21.86	.1020	339.64
28	UPS1	0.04634299	21	34	41.65	.0356	73.92
29	OQ2	0.07597494	13	09	44.05	.1057	111.12
30	EPS2	0.07617731	13	07	38.17	.1355	142.87
31	2N2	0.07748710	12	54	19.35	.3182	163.36
32	MU2	0.07768947	12	52	18.33	.3848	167.42
33	N2	0.07899925	12	39	30.05	2.2378	186.04
34	NU2	0.07920162	12	37	33.62	.4471	184.84
35	H1	0.08039733	12	26	17.61	.0997	203.19
36	M2	0.08051140	12	25	14.16	10.7847	198.98
37	H2	0.08062547	12	24	10.90	.0452	220.22
38	MKS2	0.08073957	12	23	07.80	.0816	202.39
39	LDA2	0.08182118	12	13	18.39	.0551	193.65
40	L2	0.08202355	12	11	29.83	.2091	217.87
41	T2	0.08321926	12	00	59.22	.2081	216.54
42	S2	0.08333334	11	59	60.00	3.8910	218.32
43	R2	0.08344740	11	59	00.95	.0452	266.43
44	K2	0.08356149	11	58	02.05	1.0721	212.78
45	MSN2	0.08484548	11	47	10.07	.0338	6.64
46	ETA2	0.08507364	11	45	16.28	.1275	251.72
47	MO3	0.11924210	08	23	10.68	.0864	48.04
48	M3	0.12076710	08	16	49.44	.3025	322.13
49	SO3	0.12206400	08	11	32.73	.0863	18.24
50	MK3	0.12229210	08	10	37.72	.0485	335.30
51	SK3	0.12511410	07	59	33.74	.1600	276.72
52	MN4	0.15951060	06	16	09.03	.1164	27.04
53	M4	0.16102280	06	12	37.08	.1514	87.50
54	SN4	0.16233260	06	09	36.69	.0236	35.92
55	MS4	0.16384470	06	06	12.03	.0412	103.84
56	MK4	0.16407290	06	05	41.47	.0229	255.21
57	S4	0.16666670	05	59	60.00	.0553	140.97
58	SK4	0.16689480	05	59	30.47	.0240	54.47
59	2MK5	0.20280360	04	55	51.16	.0264	208.28
60	2SK5	0.20844740	04	47	50.54	.0302	266.47

Frequenza Ampiezza e Fase dei costituenti di marea

Anzio

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. - Frequenze in cicli/ora

Periodi in ore, minuti, secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				.3009	.00
2	SA	0.00011407	8766	32	48.69	6.8012	269.37
3	SSA	0.00022816	4382	53	21.12	6.1946	89.51
4	MSM	0.00130978	763	29	13.19	.3933	157.45
5	MM	0.00151215	661	18	36.20	.2961	167.50
6	MSF	0.00282193	354	22	02.64	.9587	306.52
7	MF	0.00305009	327	51	33.04	.0431	124.55
8	ALP1	0.03439657	29	04	21.60	.1956	3.71
9	2Q1	0.03570635	28	00	22.40	.1043	244.97
10	SIG1	0.03590872	27	50	54.20	.1032	260.63
11	Q1	0.03721850	26	52	06.09	.2596	358.71
12	RHO1	0.03742087	26	43	23.00	.0804	276.99
13	O1	0.03873065	25	49	09.64	1.1107	93.43
14	TAU1	0.03895881	25	40	05.29	.0513	197.03
15	BET1	0.04004043	24	58	29.12	.0416	168.13
16	NO1	0.04026859	24	49	59.70	.2083	166.12
17	CHI1	0.04047097	24	42	32.65	.1022	93.21
18	PI1	0.04143851	24	07	55.71	.1446	86.20
19	P1	0.04155259	24	03	57.20	.7811	170.59
20	S1	0.04166667	23	59	59.99	.2988	165.15
21	K1	0.04178075	23	56	04.08	2.8818	180.94
22	PSI1	0.04189482	23	52	09.48	.1517	243.99
23	PHI1	0.04200891	23	48	16.11	.0246	37.39
24	THE1	0.04309053	23	12	25.04	.0129	116.89
25	J1	0.04329290	23	05	54.51	.1731	215.61
26	SO1	0.04460268	22	25	12.64	.0221	227.78
27	OO1	0.04483084	22	18	21.86	.1728	293.57
28	UPS1	0.04634299	21	34	41.65	.0711	74.65
29	OQ2	0.07597494	13	09	44.05	.1349	153.32
30	EPS2	0.07617731	13	07	38.17	.0727	200.40
31	2N2	0.07748710	12	54	19.35	.3654	176.97
32	MU2	0.07768947	12	52	18.33	.3670	156.75
33	N2	0.07899925	12	39	30.05	2.3330	188.73
34	NU2	0.07920162	12	37	33.62	.4938	187.53
35	H1	0.08039733	12	26	17.61	.0528	278.15
36	M2	0.08051140	12	25	14.16	11.4263	201.76
37	H2	0.08062547	12	24	10.90	.0541	301.30
38	MKS2	0.08073957	12	23	07.80	.0620	115.51
39	LDA2	0.08182118	12	13	18.39	.0817	196.01
40	L2	0.08202355	12	11	29.83	.2160	204.69
41	T2	0.08321926	12	00	59.22	.2779	233.31
42	S2	0.08333334	11	59	60.00	4.2909	222.74
43	R2	0.08344740	11	59	00.95	.0279	65.56
44	K2	0.08356149	11	58	02.05	1.0871	216.86
45	MSN2	0.08484548	11	47	10.07	.0319	359.93
46	ETA2	0.08507364	11	45	16.28	.0733	222.85
47	MO3	0.11924210	08	23	10.68	.1891	18.06
48	M3	0.12076710	08	16	49.44	.3521	303.35
49	SO3	0.12206400	08	11	32.73	.0763	221.48
50	MK3	0.12229210	08	10	37.72	.1267	274.73
51	SK3	0.12511410	07	59	33.74	.2000	268.69
52	MN4	0.15951060	06	16	09.03	.2289	31.26
53	M4	0.16102280	06	12	37.08	.3589	85.95
54	SN4	0.16233260	06	09	36.69	.0232	200.46
55	MS4	0.16384470	06	06	12.03	.2014	154.15
56	MK4	0.16407290	06	05	41.47	.0737	116.72
57	S4	0.16666670	05	59	60.00	.1430	117.06
58	SK4	0.16689480	05	59	30.47	.0247	37.27
59	2MK5	0.20280360	04	55	51.16	.0154	138.61
60	2SK5	0.20844740	04	47	50.54	.1221	359.65

Frequenza Ampiezza e Fase dei costituenti di marea

Sciaccia

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2012 a 31 Dicembre 2012

Ampiezze in cm. -Frequenze in cicli/ora

Periodi in ore,minuti,secondi - Fase in gradi

No	Nome	Frequenza	hhhh	mm	sssss	Amp	Fase
1	Z0	0.00000000				14.8517	180.00
2	SA	0.00011407	8766	32	48.69	24.2852	268.93
3	SSA	0.00022816	4382	53	21.12	6.8289	165.03
4	MSM	0.00130978	763	29	13.19	1.4362	196.35
5	MM	0.00151215	661	18	36.20	1.1294	149.90
6	MSF	0.00282193	354	22	02.64	1.6949	350.98
7	MF	0.00305009	327	51	33.04	.2344	78.49
8	ALP1	0.03439657	29	04	21.60	.0737	43.84
9	2Q1	0.03570635	28	00	22.40	.1472	326.95
10	SIG1	0.03590872	27	50	54.20	.1528	350.98
11	Q1	0.03721850	26	52	06.09	.1803	19.17
12	RHO1	0.03742087	26	43	23.00	.0350	50.41
13	O1	0.03873065	25	49	09.64	1.1882	58.72
14	TAU1	0.03895881	25	40	05.29	.0523	156.53
15	BET1	0.04004043	24	58	29.12	.0790	109.83
16	NO1	0.04026859	24	49	59.70	.1724	137.92
17	CHI1	0.04047097	24	42	32.65	.0679	201.88
18	PI1	0.04143851	24	07	55.71	.5256	320.61
19	P1	0.04155259	24	03	57.20	1.6501	42.96
20	S1	0.04166667	23	59	59.99	2.3677	147.53
21	K1	0.04178075	23	56	04.08	1.1534	114.92
22	PSI1	0.04189482	23	52	09.48	.8954	282.56
23	PHI1	0.04200891	23	48	16.11	.4588	198.96
24	THE1	0.04309053	23	12	25.04	.0950	142.19
25	J1	0.04329290	23	05	54.51	.0143	217.84
26	SO1	0.04460268	22	25	12.64	.0368	45.03
27	OO1	0.04483084	22	18	21.86	.0775	227.76
28	UPS1	0.04634299	21	34	41.65	.2381	209.19
29	OQ2	0.07597494	13	09	44.05	.0398	142.38
30	EPS2	0.07617731	13	07	38.17	.0790	45.18
31	2N2	0.07748710	12	54	19.35	.2545	96.31
32	MU2	0.07768947	12	52	18.33	.2729	98.09
33	N2	0.07899925	12	39	30.05	.8488	82.86
34	NU2	0.07920162	12	37	33.62	.1634	67.87
35	H1	0.08039733	12	26	17.61	.5787	48.76
36	M2	0.08051140	12	25	14.16	4.2817	54.98
37	H2	0.08062547	12	24	10.90	.7747	39.84
38	MKS2	0.08073957	12	23	07.80	.4163	303.05
39	LDA2	0.08182118	12	13	18.39	.0884	137.89
40	L2	0.08202355	12	11	29.83	.2278	23.43
41	T2	0.08321926	12	00	59.22	.3116	181.67
42	S2	0.08333334	11	59	60.00	2.8990	50.04
43	R2	0.08344740	11	59	00.95	.3344	176.31
44	K2	0.08356149	11	58	02.05	.6924	39.04
45	MSN2	0.08484548	11	47	10.07	.1378	50.41
46	ETA2	0.08507364	11	45	16.28	.1282	164.51
47	MO3	0.11924210	08	23	10.68	.0298	77.87
48	M3	0.12076710	08	16	49.44	.0599	132.47
49	SO3	0.12206400	08	11	32.73	.0898	51.18
50	MK3	0.12229210	08	10	37.72	.0142	119.66
51	SK3	0.12511410	07	59	33.74	.0683	300.00
52	MN4	0.15951060	06	16	09.03	.0944	177.30
53	M4	0.16102280	06	12	37.08	.1037	212.10
54	SN4	0.16233260	06	09	36.69	.0294	11.26
55	MS4	0.16384470	06	06	12.03	.1969	269.55
56	MK4	0.16407290	06	05	41.47	.0470	45.55
57	S4	0.16666670	05	59	60.00	.0760	292.73
58	SK4	0.16689480	05	59	30.47	.1205	70.58
59	2MK5	0.20280360	04	55	51.16	.0554	204.58
60	2SK5	0.20844740	04	47	50.54	.0674	313.96