

Frequenza Ampiezza e Fase dei costituenti di marea

Imperia

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				8.4128	.00
2	SSA	0.00022816	4382	53	21.12	4.4128	14.01
3	MSM	0.00130978	763	29	13.19	.7759	330.65
4	MM	0.00151215	661	18	36.20	.6655	189.14
5	MSF	0.00282193	354	22	02.64	.2323	357.28
6	MF	0.00305009	327	51	33.04	1.2838	216.90
7	ALP1	0.03439657	29	04	21.60	.1506	156.59
8	2Q1	0.03570635	28	00	22.40	.1304	285.61
9	SIG1	0.03590872	27	50	54.20	.0549	312.65
10	Q1	0.03721850	26	52	06.09	.1473	42.05
11	RHO1	0.03742087	26	43	23.00	.0775	352.00
12	O1	0.03873065	25	49	09.64	1.6812	100.49
13	TAU1	0.03895881	25	40	05.29	.0928	243.69
14	BET1	0.04004043	24	58	29.12	.2205	343.54
15	NO1	0.04026859	24	49	59.70	.2301	160.14
16	CHI1	0.04047097	24	42	32.65	.1936	286.46
17	P1	0.04155259	24	03	57.20	1.2543	167.50
18	K1	0.04178075	23	56	04.08	3.3153	176.05
19	PHI1	0.04200891	23	48	16.11	.1723	218.37
20	THE1	0.04309053	23	12	25.04	.2157	161.31
21	J1	0.04329290	23	05	54.51	.1323	179.57
22	SO1	0.04460268	22	25	12.64	.1536	358.52
23	OO1	0.04483084	22	18	21.86	.0954	151.00
24	UPS1	0.04634299	21	34	41.65	.1258	87.58
25	OQ2	0.07597494	13	09	44.05	.0355	122.93
26	EPS2	0.07617731	13	07	38.17	.0587	178.68
27	2N2	0.07748710	12	54	19.35	.2239	185.84
28	MU2	0.07768947	12	52	18.33	.2093	192.72
29	N2	0.07899925	12	39	30.05	1.5835	194.84
30	NU2	0.07920162	12	37	33.62	.2776	213.39
31	M2	0.08051140	12	25	14.16	7.8887	205.35
32	MKS2	0.08073957	12	23	07.80	.2134	252.89
33	LDA2	0.08182118	12	13	18.39	.1499	167.18
34	L2	0.08202355	12	11	29.83	.2548	203.59
35	S2	0.08333334	11	59	60.00	2.9860	223.36
36	K2	0.08356149	11	58	02.05	.9049	221.82
37	MSN2	0.08484548	11	47	10.07	.0535	52.10
38	ETA2	0.08507364	11	45	16.28	.0866	258.57
39	MO3	0.11924210	08	23	10.68	.0389	251.75
40	M3	0.12076710	08	16	49.44	.0615	138.76
41	SO3	0.12206400	08	11	32.73	.0236	314.44
42	MK3	0.12229210	08	10	37.72	.0262	142.67
43	SK3	0.12511410	07	59	33.74	.0802	120.94
44	MN4	0.15951060	06	16	09.03	.1676	264.08
45	M4	0.16102280	06	12	37.08	.4932	304.37
46	SN4	0.16233260	06	09	36.69	.0416	7.29
47	MS4	0.16384470	06	06	12.03	.3587	15.44
48	MK4	0.16407290	06	05	41.47	.1049	24.93
49	S4	0.16666670	05	59	60.00	.0507	216.50
50	SK4	0.16689480	05	59	30.47	.0489	215.61
51	2MK5	0.20280360	04	55	51.16	.0239	250.41
52	2SK5	0.20844740	04	47	50.54	.0084	267.48
53	2MN6	0.24002200	04	09	58.63	.0064	6.43
54	M6	0.24153420	04	08	24.72	.0211	355.76
55	2MS6	0.24435610	04	05	32.60	.0133	66.88
56	2MK6	0.24458430	04	05	18.85	.0166	200.45
57	2SM6	0.24717810	04	02	44.40	.0137	81.21
58	MSK6	0.24740620	04	02	30.97	.0227	191.57
59	3MK7	0.28331490	03	31	46.71	.0158	194.60
60	M8	0.32204560	03	06	18.54	.0106	59.97

Frequenza Ampiezza e Fase dei costituenti di marea

Genova

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				10.7950	.00
2	SSA	0.00022816	4382	53	21.12	4.7657	19.44
3	MSM	0.00130978	763	29	13.19	.9843	316.28
4	MM	0.00151215	661	18	36.20	.8539	191.20
5	MSF	0.00282193	354	22	02.64	.4008	77.74
6	MF	0.00305009	327	51	33.04	1.3796	216.26
7	ALP1	0.03439657	29	04	21.60	.1289	145.03
8	2Q1	0.03570635	28	00	22.40	.0727	262.12
9	SIG1	0.03590872	27	50	54.20	.0832	304.79
10	Q1	0.03721850	26	52	06.09	.1867	17.31
11	RHO1	0.03742087	26	43	23.00	.0993	.46
12	O1	0.03873065	25	49	09.64	1.6372	94.45
13	TAU1	0.03895881	25	40	05.29	.0819	208.92
14	BET1	0.04004043	24	58	29.12	.1675	351.23
15	NO1	0.04026859	24	49	59.70	.2439	157.56
16	CHI1	0.04047097	24	42	32.65	.1328	286.57
17	P1	0.04155259	24	03	57.20	1.1753	159.95
18	K1	0.04178075	23	56	04.08	3.5083	170.50
19	PHI1	0.04200891	23	48	16.11	.1162	186.73
20	THE1	0.04309053	23	12	25.04	.2042	155.15
21	J1	0.04329290	23	05	54.51	.1729	199.01
22	SO1	0.04460268	22	25	12.64	.1608	346.89
23	OO1	0.04483084	22	18	21.86	.1524	183.70
24	UPS1	0.04634299	21	34	41.65	.1920	82.50
25	OQ2	0.07597494	13	09	44.05	.0545	170.03
26	EPS2	0.07617731	13	07	38.17	.0856	142.55
27	2N2	0.07748710	12	54	19.35	.2299	168.66
28	MU2	0.07768947	12	52	18.33	.2652	155.40
29	N2	0.07899925	12	39	30.05	1.7438	183.37
30	NU2	0.07920162	12	37	33.62	.3243	189.10
31	M2	0.08051140	12	25	14.16	8.6191	192.96
32	MKS2	0.08073957	12	23	07.80	.0635	226.98
33	LDA2	0.08182118	12	13	18.39	.0733	182.79
34	L2	0.08202355	12	11	29.83	.2161	207.00
35	S2	0.08333334	11	59	60.00	3.4535	208.15
36	K2	0.08356149	11	58	02.05	.9528	202.94
37	MSN2	0.08484548	11	47	10.07	.0775	22.23
38	ETA2	0.08507364	11	45	16.28	.0686	228.50
39	MO3	0.11924210	08	23	10.68	.0497	218.24
40	M3	0.12076710	08	16	49.44	.0948	108.77
41	SO3	0.12206400	08	11	32.73	.0405	192.13
42	MK3	0.12229210	08	10	37.72	.0392	237.12
43	SK3	0.12511410	07	59	33.74	.0901	70.75
44	MN4	0.15951060	06	16	09.03	.2634	241.94
45	M4	0.16102280	06	12	37.08	.6416	278.47
46	SN4	0.16233260	06	09	36.69	.0711	326.20
47	MS4	0.16384470	06	06	12.03	.4438	342.48
48	MK4	0.16407290	06	05	41.47	.1513	343.24
49	S4	0.16666670	05	59	60.00	.0279	168.10
50	SK4	0.16689480	05	59	30.47	.0487	187.80
51	2MK5	0.20280360	04	55	51.16	.0180	227.48
52	2SK5	0.20844740	04	47	50.54	.0284	325.59
53	2MN6	0.24002200	04	09	58.63	.0027	134.51
54	M6	0.24153420	04	08	24.72	.0834	7.75
55	2MS6	0.24435610	04	05	32.60	.0913	79.52
56	2MK6	0.24458430	04	05	18.85	.0353	354.11
57	2SM6	0.24717810	04	02	44.40	.0135	231.75
58	MSK6	0.24740620	04	02	30.97	.0304	122.92
59	3MK7	0.28331490	03	31	46.71	.0197	63.66
60	M8	0.32204560	03	06	18.54	.0036	253.16

Frequenza Ampiezza e Fase dei costituenti di marea

Livorno

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				.2376	180.00
2	SSA	0.00022816	4382	53	21.12	5.6448	7.96
3	MSM	0.00130978	763	29	13.19	.7196	339.27
4	MM	0.00151215	661	18	36.20	.9247	182.12
5	MSF	0.00282193	354	22	02.64	.2540	56.64
6	MF	0.00305009	327	51	33.04	1.1451	214.08
7	ALP1	0.03439657	29	04	21.60	.2298	152.93
8	2Q1	0.03570635	28	00	22.40	.0074	259.75
9	SIG1	0.03590872	27	50	54.20	.1380	298.51
10	Q1	0.03721850	26	52	06.09	.1625	43.92
11	RHO1	0.03742087	26	43	23.00	.1385	341.71
12	O1	0.03873065	25	49	09.64	1.5810	95.05
13	TAU1	0.03895881	25	40	05.29	.0360	191.26
14	BET1	0.04004043	24	58	29.12	.2383	333.23
15	NO1	0.04026859	24	49	59.70	.2762	152.88
16	CHI1	0.04047097	24	42	32.65	.1468	263.84
17	P1	0.04155259	24	03	57.20	1.2412	160.75
18	K1	0.04178075	23	56	04.08	3.4611	168.77
19	PHI1	0.04200891	23	48	16.11	.1368	245.82
20	THE1	0.04309053	23	12	25.04	.2164	140.93
21	J1	0.04329290	23	05	54.51	.0835	192.64
22	SO1	0.04460268	22	25	12.64	.2005	340.46
23	OO1	0.04483084	22	18	21.86	.1764	148.76
24	UPS1	0.04634299	21	34	41.65	.3232	90.65
25	OQ2	0.07597494	13	09	44.05	.0358	63.64
26	EPS2	0.07617731	13	07	38.17	.0719	143.25
27	2N2	0.07748710	12	54	19.35	.2720	177.00
28	MU2	0.07768947	12	52	18.33	.3211	174.86
29	N2	0.07899925	12	39	30.05	1.9079	188.70
30	NU2	0.07920162	12	37	33.62	.3371	187.78
31	M2	0.08051140	12	25	14.16	9.4436	200.01
32	MKS2	0.08073957	12	23	07.80	.0974	226.71
33	LDA2	0.08182118	12	13	18.39	.0475	144.72
34	L2	0.08202355	12	11	29.83	.2675	196.54
35	S2	0.08333334	11	59	60.00	3.5616	216.25
36	K2	0.08356149	11	58	02.05	1.0323	210.43
37	MSN2	0.08484548	11	47	10.07	.0079	133.17
38	ETA2	0.08507364	11	45	16.28	.0457	226.53
39	MO3	0.11924210	08	23	10.68	.1056	124.52
40	M3	0.12076710	08	16	49.44	.0706	21.18
41	SO3	0.12206400	08	11	32.73	.0476	193.63
42	MK3	0.12229210	08	10	37.72	.0468	228.51
43	SK3	0.12511410	07	59	33.74	.0456	352.84
44	MN4	0.15951060	06	16	09.03	.1439	251.87
45	M4	0.16102280	06	12	37.08	.5516	278.59
46	SN4	0.16233260	06	09	36.69	.0606	287.37
47	MS4	0.16384470	06	06	12.03	.3747	336.70
48	MK4	0.16407290	06	05	41.47	.0930	350.87
49	S4	0.16666670	05	59	60.00	.0433	249.80
50	SK4	0.16689480	05	59	30.47	.0674	90.70
51	2MK5	0.20280360	04	55	51.16	.0453	157.09
52	2SK5	0.20844740	04	47	50.54	.0504	299.43
53	2MN6	0.24002200	04	09	58.63	.0798	23.65
54	M6	0.24153420	04	08	24.72	.0418	30.93
55	2MS6	0.24435610	04	05	32.60	.0696	83.73
56	2MK6	0.24458430	04	05	18.85	.0446	57.01
57	2SM6	0.24717810	04	02	44.40	.0459	74.19
58	MSK6	0.24740620	04	02	30.97	.0163	92.80
59	3MK7	0.28331490	03	31	46.71	.0135	105.62
60	M8	0.32204560	03	06	18.54	.0250	197.30

Frequenza Ampiezza e Fase dei costituenti di marea

Civitavecchia

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				3.3168	.00
2	SSA	0.00022816	4382	53	21.12	4.6711	10.12
3	MSM	0.00130978	763	29	13.19	.3765	331.41
4	MM	0.00151215	661	18	36.20	.8752	191.45
5	MSF	0.00282193	354	22	02.64	.5697	325.27
6	MF	0.00305009	327	51	33.04	.9160	210.19
7	ALP1	0.03439657	29	04	21.60	.0610	198.45
8	2Q1	0.03570635	28	00	22.40	.0146	50.25
9	SIG1	0.03590872	27	50	54.20	.0902	321.26
10	Q1	0.03721850	26	52	06.09	.1861	43.96
11	RHO1	0.03742087	26	43	23.00	.1684	342.66
12	O1	0.03873065	25	49	09.64	.9998	96.33
13	TAU1	0.03895881	25	40	05.29	.0857	250.99
14	BET1	0.04004043	24	58	29.12	.1205	352.37
15	NO1	0.04026859	24	49	59.70	.0980	165.36
16	CHI1	0.04047097	24	42	32.65	.1504	266.91
17	P1	0.04155259	24	03	57.20	.7626	172.02
18	K1	0.04178075	23	56	04.08	2.2594	182.12
19	PHI1	0.04200891	23	48	16.11	.1283	198.34
20	THE1	0.04309053	23	12	25.04	.1964	133.47
21	J1	0.04329290	23	05	54.51	.0721	159.64
22	SO1	0.04460268	22	25	12.64	.1156	338.04
23	OO1	0.04483084	22	18	21.86	.1115	246.57
24	UPS1	0.04634299	21	34	41.65	.1635	72.37
25	OQ2	0.07597494	13	09	44.05	.0198	200.37
26	EPS2	0.07617731	13	07	38.17	.0459	264.12
27	2N2	0.07748710	12	54	19.35	.2852	199.26
28	MU2	0.07768947	12	52	18.33	.3698	173.09
29	N2	0.07899925	12	39	30.05	2.0009	200.04
30	NU2	0.07920162	12	37	33.62	.3992	213.58
31	M2	0.08051140	12	25	14.16	10.0113	212.64
32	MKS2	0.08073957	12	23	07.80	.2854	171.74
33	LDA2	0.08182118	12	13	18.39	.0538	159.11
34	L2	0.08202355	12	11	29.83	.2118	207.51
35	S2	0.08333334	11	59	60.00	3.6429	231.75
36	K2	0.08356149	11	58	02.05	1.0403	229.18
37	MSN2	0.08484548	11	47	10.07	.0365	289.95
38	ETA2	0.08507364	11	45	16.28	.1746	248.08
39	MO3	0.11924210	08	23	10.68	.1767	74.56
40	M3	0.12076710	08	16	49.44	.3437	333.68
41	SO3	0.12206400	08	11	32.73	.0631	45.24
42	MK3	0.12229210	08	10	37.72	.1390	350.59
43	SK3	0.12511410	07	59	33.74	.2132	298.05
44	MN4	0.15951060	06	16	09.03	.2288	14.03
45	M4	0.16102280	06	12	37.08	.3604	34.61
46	SN4	0.16233260	06	09	36.69	.0416	43.58
47	MS4	0.16384470	06	06	12.03	.1886	48.44
48	MK4	0.16407290	06	05	41.47	.0700	349.84
49	S4	0.16666670	05	59	60.00	.0829	75.62
50	SK4	0.16689480	05	59	30.47	.0292	358.63
51	2MK5	0.20280360	04	55	51.16	.0447	61.48
52	2SK5	0.20844740	04	47	50.54	.0237	41.83
53	2MN6	0.24002200	04	09	58.63	.0271	92.58
54	M6	0.24153420	04	08	24.72	.0265	144.72
55	2MS6	0.24435610	04	05	32.60	.0707	160.98
56	2MK6	0.24458430	04	05	18.85	.0138	191.61
57	2SM6	0.24717810	04	02	44.40	.0183	225.68
58	MSK6	0.24740620	04	02	30.97	.0174	241.76
59	3MK7	0.28331490	03	31	46.71	.0095	162.02
60	M8	0.32204560	03	06	18.54	.0421	122.36

Frequenza Ampiezza e Fase dei costituenti di marea

Napoli

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				4.5911	180.00
2	SSA	0.00022816	4382	53	21.12	3.9523	4.41
3	MSM	0.00130978	763	29	13.19	.1216	26.71
4	MM	0.00151215	661	18	36.20	.8689	158.33
5	MSF	0.00282193	354	22	02.64	.7692	305.85
6	MF	0.00305009	327	51	33.04	.7397	248.56
7	ALP1	0.03439657	29	04	21.60	.0690	189.26
8	2Q1	0.03570635	28	00	22.40	.0474	258.89
9	SIG1	0.03590872	27	50	54.20	.0600	322.57
10	Q1	0.03721850	26	52	06.09	.1107	354.31
11	RHO1	0.03742087	26	43	23.00	.1020	341.83
12	O1	0.03873065	25	49	09.64	.8545	101.50
13	TAU1	0.03895881	25	40	05.29	.0363	150.53
14	BET1	0.04004043	24	58	29.12	.2011	342.57
15	NO1	0.04026859	24	49	59.70	.1590	170.00
16	CHI1	0.04047097	24	42	32.65	.1377	294.11
17	P1	0.04155259	24	03	57.20	.9580	170.57
18	K1	0.04178075	23	56	04.08	2.7289	187.73
19	PHI1	0.04200891	23	48	16.11	.0943	157.97
20	THE1	0.04309053	23	12	25.04	.1792	137.54
21	J1	0.04329290	23	05	54.51	.1037	171.17
22	SO1	0.04460268	22	25	12.64	.1572	299.89
23	OO1	0.04483084	22	18	21.86	.1322	227.13
24	UPS1	0.04634299	21	34	41.65	.1014	82.01
25	OQ2	0.07597494	13	09	44.05	.0398	110.15
26	EPS2	0.07617731	13	07	38.17	.0686	152.81
27	2N2	0.07748710	12	54	19.35	.3376	179.13
28	MU2	0.07768947	12	52	18.33	.3843	168.79
29	N2	0.07899925	12	39	30.05	2.3854	189.43
30	NU2	0.07920162	12	37	33.62	.4527	191.53
31	M2	0.08051140	12	25	14.16	11.9915	203.05
32	MKS2	0.08073957	12	23	07.80	.0461	206.53
33	LDA2	0.08182118	12	13	18.39	.0479	192.26
34	L2	0.08202355	12	11	29.83	.3093	213.18
35	S2	0.08333334	11	59	60.00	4.4564	222.23
36	K2	0.08356149	11	58	02.05	1.2283	221.52
37	MSN2	0.08484548	11	47	10.07	.0140	258.78
38	ETA2	0.08507364	11	45	16.28	.1420	254.41
39	MO3	0.11924210	08	23	10.68	.2384	57.28
40	M3	0.12076710	08	16	49.44	.4160	304.59
41	SO3	0.12206400	08	11	32.73	.0933	75.97
42	MK3	0.12229210	08	10	37.72	.0461	78.18
43	SK3	0.12511410	07	59	33.74	.2038	250.24
44	MN4	0.15951060	06	16	09.03	.1387	54.08
45	M4	0.16102280	06	12	37.08	.3681	85.77
46	SN4	0.16233260	06	09	36.69	.0221	115.33
47	MS4	0.16384470	06	06	12.03	.2099	137.87
48	MK4	0.16407290	06	05	41.47	.1037	136.76
49	S4	0.16666670	05	59	60.00	.0308	41.65
50	SK4	0.16689480	05	59	30.47	.0564	312.32
51	2MK5	0.20280360	04	55	51.16	.0468	41.65
52	2SK5	0.20844740	04	47	50.54	.0637	343.06
53	2MN6	0.24002200	04	09	58.63	.0385	319.70
54	M6	0.24153420	04	08	24.72	.0268	216.13
55	2MS6	0.24435610	04	05	32.60	.0543	278.18
56	2MK6	0.24458430	04	05	18.85	.0709	265.88
57	2SM6	0.24717810	04	02	44.40	.0552	165.54
58	MSK6	0.24740620	04	02	30.97	.0246	221.25
59	3MK7	0.28331490	03	31	46.71	.0306	11.74
60	M8	0.32204560	03	06	18.54	.0077	104.17

Frequenza Ampiezza e Fase dei costituenti di marea

Salerno

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				11.4548	180.00
2	SSA	0.00022816	4382	53	21.12	3.7963	7.79
3	MSM	0.00130978	763	29	13.19	.1951	70.35
4	MM	0.00151215	661	18	36.20	.7961	150.94
5	MSF	0.00282193	354	22	02.64	.8390	304.85
6	MF	0.00305009	327	51	33.04	.7690	255.82
7	ALP1	0.03439657	29	04	21.60	.1290	185.71
8	2Q1	0.03570635	28	00	22.40	.0618	310.47
9	SIG1	0.03590872	27	50	54.20	.0166	345.79
10	Q1	0.03721850	26	52	06.09	.0742	357.63
11	RHO1	0.03742087	26	43	23.00	.1527	327.70
12	O1	0.03873065	25	49	09.64	.7946	97.95
13	TAU1	0.03895881	25	40	05.29	.0090	134.01
14	BET1	0.04004043	24	58	29.12	.0436	303.47
15	NO1	0.04026859	24	49	59.70	.2102	168.63
16	CHI1	0.04047097	24	42	32.65	.0772	278.87
17	P1	0.04155259	24	03	57.20	.8946	173.11
18	K1	0.04178075	23	56	04.08	2.8336	185.74
19	PHI1	0.04200891	23	48	16.11	.0498	266.98
20	THE1	0.04309053	23	12	25.04	.1194	128.00
21	J1	0.04329290	23	05	54.51	.1676	197.63
22	SO1	0.04460268	22	25	12.64	.0626	267.31
23	OO1	0.04483084	22	18	21.86	.1497	189.13
24	UPS1	0.04634299	21	34	41.65	.3450	78.92
25	OQ2	0.07597494	13	09	44.05	.0846	127.49
26	EPS2	0.07617731	13	07	38.17	.0739	159.94
27	2N2	0.07748710	12	54	19.35	.3769	175.77
28	MU2	0.07768947	12	52	18.33	.4450	165.64
29	N2	0.07899925	12	39	30.05	2.4225	187.75
30	NU2	0.07920162	12	37	33.62	.4659	187.49
31	M2	0.08051140	12	25	14.16	12.1427	202.32
32	MKS2	0.08073957	12	23	07.80	.0527	239.09
33	LDA2	0.08182118	12	13	18.39	.0670	124.90
34	L2	0.08202355	12	11	29.83	.2983	205.76
35	S2	0.08333334	11	59	60.00	4.5468	221.79
36	K2	0.08356149	11	58	02.05	1.2305	219.12
37	MSN2	0.08484548	11	47	10.07	.0870	315.18
38	ETA2	0.08507364	11	45	16.28	.0342	227.04
39	MO3	0.11924210	08	23	10.68	.1874	34.02
40	M3	0.12076710	08	16	49.44	.4262	299.04
41	SO3	0.12206400	08	11	32.73	.1304	60.39
42	MK3	0.12229210	08	10	37.72	.0220	259.74
43	SK3	0.12511410	07	59	33.74	.2218	250.19
44	MN4	0.15951060	06	16	09.03	.1521	35.40
45	M4	0.16102280	06	12	37.08	.4016	79.93
46	SN4	0.16233260	06	09	36.69	.0492	139.88
47	MS4	0.16384470	06	06	12.03	.2811	135.49
48	MK4	0.16407290	06	05	41.47	.0898	153.13
49	S4	0.16666670	05	59	60.00	.0484	18.18
50	SK4	0.16689480	05	59	30.47	.0413	136.79
51	2MK5	0.20280360	04	55	51.16	.0120	45.20
52	2SK5	0.20844740	04	47	50.54	.0330	328.66
53	2MN6	0.24002200	04	09	58.63	.0359	49.94
54	M6	0.24153420	04	08	24.72	.0203	137.94
55	2MS6	0.24435610	04	05	32.60	.0392	232.66
56	2MK6	0.24458430	04	05	18.85	.0432	210.52
57	2SM6	0.24717810	04	02	44.40	.0305	123.60
58	MSK6	0.24740620	04	02	30.97	.0231	3.35
59	3MK7	0.28331490	03	31	46.71	.0086	197.58
60	M8	0.32204560	03	06	18.54	.0109	68.48

Frequenza Ampiezza e Fase dei costituenti di marea

Palinuro

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				4.0750	180.00
2	SSA	0.00022816	4382	53	21.12	3.9543	4.75
3	MSM	0.00130978	763	29	13.19	.1695	50.75
4	MM	0.00151215	661	18	36.20	.9256	160.79
5	MSF	0.00282193	354	22	02.64	1.0237	310.66
6	MF	0.00305009	327	51	33.04	.6160	267.90
7	ALP1	0.03439657	29	04	21.60	.0907	171.10
8	2Q1	0.03570635	28	00	22.40	.0380	260.63
9	SIG1	0.03590872	27	50	54.20	.0764	303.65
10	Q1	0.03721850	26	52	06.09	.1328	323.62
11	RHO1	0.03742087	26	43	23.00	.1560	341.21
12	O1	0.03873065	25	49	09.64	.7882	108.60
13	TAU1	0.03895881	25	40	05.29	.0676	166.14
14	BET1	0.04004043	24	58	29.12	.1751	341.82
15	NO1	0.04026859	24	49	59.70	.1907	157.61
16	CHI1	0.04047097	24	42	32.65	.0828	250.29
17	P1	0.04155259	24	03	57.20	.9627	176.30
18	K1	0.04178075	23	56	04.08	2.8309	185.26
19	PHI1	0.04200891	23	48	16.11	.1019	148.44
20	THE1	0.04309053	23	12	25.04	.1280	154.02
21	J1	0.04329290	23	05	54.51	.1047	197.78
22	SO1	0.04460268	22	25	12.64	.1095	327.88
23	OO1	0.04483084	22	18	21.86	.0887	203.35
24	UPS1	0.04634299	21	34	41.65	.1052	85.59
25	OQ2	0.07597494	13	09	44.05	.0339	82.99
26	EPS2	0.07617731	13	07	38.17	.0820	132.06
27	2N2	0.07748710	12	54	19.35	.3533	178.25
28	MU2	0.07768947	12	52	18.33	.4225	175.56
29	N2	0.07899925	12	39	30.05	2.4627	191.26
30	NU2	0.07920162	12	37	33.62	.4544	191.12
31	M2	0.08051140	12	25	14.16	12.2402	203.42
32	MKS2	0.08073957	12	23	07.80	.0417	234.75
33	LDA2	0.08182118	12	13	18.39	.0498	176.13
34	L2	0.08202355	12	11	29.83	.2978	216.17
35	S2	0.08333334	11	59	60.00	4.5975	222.16
36	K2	0.08356149	11	58	02.05	1.2257	219.03
37	MSN2	0.08484548	11	47	10.07	.0314	258.29
38	ETA2	0.08507364	11	45	16.28	.0621	191.59
39	MO3	0.11924210	08	23	10.68	.3045	44.56
40	M3	0.12076710	08	16	49.44	.4307	306.89
41	SO3	0.12206400	08	11	32.73	.0826	95.00
42	MK3	0.12229210	08	10	37.72	.0625	37.72
43	SK3	0.12511410	07	59	33.74	.2454	256.30
44	MN4	0.15951060	06	16	09.03	.1083	44.19
45	M4	0.16102280	06	12	37.08	.3948	74.83
46	SN4	0.16233260	06	09	36.69	.0357	147.91
47	MS4	0.16384470	06	06	12.03	.2647	135.82
48	MK4	0.16407290	06	05	41.47	.0840	147.35
49	S4	0.16666670	05	59	60.00	.0402	55.69
50	SK4	0.16689480	05	59	30.47	.0228	126.45
51	2MK5	0.20280360	04	55	51.16	.0229	151.43
52	2SK5	0.20844740	04	47	50.54	.0523	14.23
53	2MN6	0.24002200	04	09	58.63	.0197	25.35
54	M6	0.24153420	04	08	24.72	.0247	172.32
55	2MS6	0.24435610	04	05	32.60	.0295	293.64
56	2MK6	0.24458430	04	05	18.85	.0310	190.84
57	2SM6	0.24717810	04	02	44.40	.0440	69.32
58	MSK6	0.24740620	04	02	30.97	.0323	86.62
59	3MK7	0.28331490	03	31	46.71	.0253	297.68
60	M8	0.32204560	03	06	18.54	.0265	71.68

Frequenza Ampiezza e Fase dei costituenti di marea

Reggio Calabria

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				13.5643	180.00
2	SSA	0.00022816	4382	53	21.12	4.2771	334.18
3	MSM	0.00130978	763	29	13.19	.5145	32.63
4	MM	0.00151215	661	18	36.20	1.1335	199.04
5	MSF	0.00282193	354	22	02.64	1.6141	318.42
6	MF	0.00305009	327	51	33.04	.3154	333.52
7	ALP1	0.03439657	29	04	21.60	.0691	191.48
8	2Q1	0.03570635	28	00	22.40	.0391	125.36
9	SIG1	0.03590872	27	50	54.20	.0194	296.45
10	Q1	0.03721850	26	52	06.09	.1980	15.09
11	RHO1	0.03742087	26	43	23.00	.0392	38.58
12	O1	0.03873065	25	49	09.64	1.0538	26.77
13	TAU1	0.03895881	25	40	05.29	.0895	19.95
14	BET1	0.04004043	24	58	29.12	.0182	359.16
15	NO1	0.04026859	24	49	59.70	.0580	10.72
16	CHI1	0.04047097	24	42	32.65	.0365	81.65
17	P1	0.04155259	24	03	57.20	.7855	24.67
18	K1	0.04178075	23	56	04.08	1.4378	31.81
19	PHI1	0.04200891	23	48	16.11	.2508	56.81
20	THE1	0.04309053	23	12	25.04	.1207	327.46
21	J1	0.04329290	23	05	54.51	.1541	59.49
22	SO1	0.04460268	22	25	12.64	.0710	73.01
23	OO1	0.04483084	22	18	21.86	.0976	26.02
24	UPS1	0.04634299	21	34	41.65	.1189	5.22
25	OQ2	0.07597494	13	09	44.05	.0618	354.18
26	EPS2	0.07617731	13	07	38.17	.0698	358.66
27	2N2	0.07748710	12	54	19.35	.1114	36.24
28	MU2	0.07768947	12	52	18.33	.1536	87.49
29	N2	0.07899925	12	39	30.05	1.0508	38.87
30	NU2	0.07920162	12	37	33.62	.1681	47.79
31	M2	0.08051140	12	25	14.16	6.2537	35.99
32	MKS2	0.08073957	12	23	07.80	.1412	47.97
33	LDA2	0.08182118	12	13	18.39	.0742	39.65
34	L2	0.08202355	12	11	29.83	.2375	29.74
35	S2	0.08333334	11	59	60.00	3.0899	41.20
36	K2	0.08356149	11	58	02.05	.9878	36.07
37	MSN2	0.08484548	11	47	10.07	.0269	322.14
38	ETA2	0.08507364	11	45	16.28	.0815	27.06
39	MO3	0.11924210	08	23	10.68	.1281	265.08
40	M3	0.12076710	08	16	49.44	.1145	111.82
41	SO3	0.12206400	08	11	32.73	.1554	250.60
42	MK3	0.12229210	08	10	37.72	.2579	220.98
43	SK3	0.12511410	07	59	33.74	.0839	122.51
44	MN4	0.15951060	06	16	09.03	.1433	312.79
45	M4	0.16102280	06	12	37.08	.4575	306.43
46	SN4	0.16233260	06	09	36.69	.0572	289.53
47	MS4	0.16384470	06	06	12.03	.2286	315.06
48	MK4	0.16407290	06	05	41.47	.1383	229.31
49	S4	0.16666670	05	59	60.00	.0134	161.31
50	SK4	0.16689480	05	59	30.47	.0717	138.71
51	2MK5	0.20280360	04	55	51.16	.1374	156.15
52	2SK5	0.20844740	04	47	50.54	.0417	295.95
53	2MN6	0.24002200	04	09	58.63	.0560	226.33
54	M6	0.24153420	04	08	24.72	.1594	220.14
55	2MS6	0.24435610	04	05	32.60	.1476	255.12
56	2MK6	0.24458430	04	05	18.85	.0933	148.25
57	2SM6	0.24717810	04	02	44.40	.0114	249.37
58	MSK6	0.24740620	04	02	30.97	.0120	222.17
59	3MK7	0.28331490	03	31	46.71	.0555	79.68
60	M8	0.32204560	03	06	18.54	.0064	309.75

Frequenza Ampiezza e Fase dei costituenti di marea

Crotone

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				12.3255	180.00
2	SSA	0.00022816	4382	53	21.12	3.2986	326.23
3	MSM	0.00130978	763	29	13.19	.4346	18.82
4	MM	0.00151215	661	18	36.20	1.2810	172.93
5	MSF	0.00282193	354	22	02.64	1.4300	329.04
6	MF	0.00305009	327	51	33.04	.4743	284.16
7	ALP1	0.03439657	29	04	21.60	.1709	225.58
8	2Q1	0.03570635	28	00	22.40	.0975	57.09
9	SIG1	0.03590872	27	50	54.20	.1138	241.09
10	Q1	0.03721850	26	52	06.09	.1441	42.44
11	RHO1	0.03742087	26	43	23.00	.0205	207.51
12	O1	0.03873065	25	49	09.64	.9234	22.73
13	TAU1	0.03895881	25	40	05.29	.0195	10.62
14	BET1	0.04004043	24	58	29.12	.0602	219.05
15	NO1	0.04026859	24	49	59.70	.1938	322.94
16	CHI1	0.04047097	24	42	32.65	.1121	96.94
17	P1	0.04155259	24	03	57.20	.6894	15.35
18	K1	0.04178075	23	56	04.08	2.0606	27.84
19	PHI1	0.04200891	23	48	16.11	.0573	28.86
20	THE1	0.04309053	23	12	25.04	.0612	351.13
21	J1	0.04329290	23	05	54.51	.1592	22.21
22	SO1	0.04460268	22	25	12.64	.0733	52.62
23	OO1	0.04483084	22	18	21.86	.0827	53.67
24	UPS1	0.04634299	21	34	41.65	.1243	13.09
25	OQ2	0.07597494	13	09	44.05	.0175	302.98
26	EPS2	0.07617731	13	07	38.17	.0754	336.86
27	2N2	0.07748710	12	54	19.35	.1700	18.54
28	MU2	0.07768947	12	52	18.33	.1576	26.33
29	N2	0.07899925	12	39	30.05	1.0620	36.16
30	NU2	0.07920162	12	37	33.62	.2448	37.23
31	M2	0.08051140	12	25	14.16	6.3277	35.67
32	MKS2	0.08073957	12	23	07.80	.1145	285.18
33	LDA2	0.08182118	12	13	18.39	.1057	28.89
34	L2	0.08202355	12	11	29.83	.2698	36.21
35	S2	0.08333334	11	59	60.00	3.3145	39.68
36	K2	0.08356149	11	58	02.05	.9137	32.60
37	MSN2	0.08484548	11	47	10.07	.0180	246.12
38	ETA2	0.08507364	11	45	16.28	.0690	149.79
39	MO3	0.11924210	08	23	10.68	.0561	206.15
40	M3	0.12076710	08	16	49.44	.2161	117.45
41	SO3	0.12206400	08	11	32.73	.0759	251.25
42	MK3	0.12229210	08	10	37.72	.0429	166.41
43	SK3	0.12511410	07	59	33.74	.0682	108.93
44	MN4	0.15951060	06	16	09.03	.0351	69.10
45	M4	0.16102280	06	12	37.08	.1056	93.69
46	SN4	0.16233260	06	09	36.69	.0774	209.03
47	MS4	0.16384470	06	06	12.03	.0508	176.55
48	MK4	0.16407290	06	05	41.47	.1136	256.26
49	S4	0.16666670	05	59	60.00	.0488	115.23
50	SK4	0.16689480	05	59	30.47	.0597	279.35
51	2MK5	0.20280360	04	55	51.16	.0414	337.13
52	2SK5	0.20844740	04	47	50.54	.0586	6.84
53	2MN6	0.24002200	04	09	58.63	.0842	284.29
54	M6	0.24153420	04	08	24.72	.0410	93.99
55	2MS6	0.24435610	04	05	32.60	.0130	210.35
56	2MK6	0.24458430	04	05	18.85	.1285	45.05
57	2SM6	0.24717810	04	02	44.40	.0150	16.76
58	MSK6	0.24740620	04	02	30.97	.0225	353.61
59	3MK7	0.28331490	03	31	46.71	.0208	182.96
60	M8	0.32204560	03	06	18.54	.0194	218.90

Frequenza Ampiezza e Fase dei costituenti di marea

Taranto

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				15.6031	180.00
2	SSA	0.00022816	4382	53	21.12	3.3223	326.20
3	MSM	0.00130978	763	29	13.19	.5436	39.23
4	MM	0.00151215	661	18	36.20	1.3363	169.14
5	MSF	0.00282193	354	22	02.64	1.2639	325.56
6	MF	0.00305009	327	51	33.04	.5762	274.96
7	ALP1	0.03439657	29	04	21.60	.0542	294.30
8	2Q1	0.03570635	28	00	22.40	.0420	353.73
9	SIG1	0.03590872	27	50	54.20	.0598	270.93
10	Q1	0.03721850	26	52	06.09	.1474	25.72
11	RHO1	0.03742087	26	43	23.00	.0043	261.00
12	O1	0.03873065	25	49	09.64	.9245	12.31
13	TAU1	0.03895881	25	40	05.29	.0558	7.77
14	BET1	0.04004043	24	58	29.12	.0717	148.99
15	NO1	0.04026859	24	49	59.70	.2522	343.30
16	CHI1	0.04047097	24	42	32.65	.0992	108.59
17	P1	0.04155259	24	03	57.20	.7546	13.63
18	K1	0.04178075	23	56	04.08	1.9686	25.96
19	PHI1	0.04200891	23	48	16.11	.1132	64.03
20	THE1	0.04309053	23	12	25.04	.0787	346.79
21	J1	0.04329290	23	05	54.51	.0766	38.87
22	SO1	0.04460268	22	25	12.64	.0207	221.49
23	OO1	0.04483084	22	18	21.86	.0556	59.92
24	UPS1	0.04634299	21	34	41.65	.0124	234.26
25	OQ2	0.07597494	13	09	44.05	.0399	129.33
26	EPS2	0.07617731	13	07	38.17	.0427	78.87
27	2N2	0.07748710	12	54	19.35	.1599	42.60
28	MU2	0.07768947	12	52	18.33	.1503	39.06
29	N2	0.07899925	12	39	30.05	1.1704	38.85
30	NU2	0.07920162	12	37	33.62	.2282	40.40
31	M2	0.08051140	12	25	14.16	6.5674	40.68
32	MKS2	0.08073957	12	23	07.80	.0302	336.73
33	LDA2	0.08182118	12	13	18.39	.0447	8.66
34	L2	0.08202355	12	11	29.83	.2627	28.55
35	S2	0.08333334	11	59	60.00	3.4096	44.93
36	K2	0.08356149	11	58	02.05	.9863	42.83
37	MSN2	0.08484548	11	47	10.07	.0253	258.15
38	ETA2	0.08507364	11	45	16.28	.1043	17.07
39	MO3	0.11924210	08	23	10.68	.0836	231.08
40	M3	0.12076710	08	16	49.44	.2209	119.66
41	SO3	0.12206400	08	11	32.73	.0590	265.43
42	MK3	0.12229210	08	10	37.72	.0323	145.14
43	SK3	0.12511410	07	59	33.74	.1271	67.45
44	MN4	0.15951060	06	16	09.03	.0605	44.97
45	M4	0.16102280	06	12	37.08	.0668	77.79
46	SN4	0.16233260	06	09	36.69	.0118	229.67
47	MS4	0.16384470	06	06	12.03	.0392	91.54
48	MK4	0.16407290	06	05	41.47	.0169	75.62
49	S4	0.16666670	05	59	60.00	.0424	103.91
50	SK4	0.16689480	05	59	30.47	.0248	322.68
51	2MK5	0.20280360	04	55	51.16	.0314	149.14
52	2SK5	0.20844740	04	47	50.54	.0283	192.49
53	2MN6	0.24002200	04	09	58.63	.0151	229.66
54	M6	0.24153420	04	08	24.72	.0088	177.41
55	2MS6	0.24435610	04	05	32.60	.0101	326.21
56	2MK6	0.24458430	04	05	18.85	.0323	204.48
57	2SM6	0.24717810	04	02	44.40	.0112	262.48
58	MSK6	0.24740620	04	02	30.97	.0220	3.05
59	3MK7	0.28331490	03	31	46.71	.0100	183.25
60	M8	0.32204560	03	06	18.54	.0042	199.70

Frequenza Ampiezza e Fase dei costituenti di marea

Otranto

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				19.7822	180.00
2	SSA	0.00022816	4382	53	21.12	2.7224	302.45
3	MSM	0.00130978	763	29	13.19	.2942	.39
4	MM	0.00151215	661	18	36.20	1.8631	165.88
5	MSF	0.00282193	354	22	02.64	1.4547	315.89
6	MF	0.00305009	327	51	33.04	1.0144	290.12
7	ALP1	0.03439657	29	04	21.60	.1011	284.75
8	2Q1	0.03570635	28	00	22.40	.1114	34.37
9	SIG1	0.03590872	27	50	54.20	.1200	249.75
10	Q1	0.03721850	26	52	06.09	.1841	56.55
11	RHO1	0.03742087	26	43	23.00	.0131	25.79
12	O1	0.03873065	25	49	09.64	.9436	30.87
13	TAU1	0.03895881	25	40	05.29	.0682	.88
14	BET1	0.04004043	24	58	29.12	.0575	124.80
15	NO1	0.04026859	24	49	59.70	.2823	353.04
16	CHI1	0.04047097	24	42	32.65	.1224	120.48
17	P1	0.04155259	24	03	57.20	.7417	40.66
18	K1	0.04178075	23	56	04.08	2.3840	49.93
19	PHI1	0.04200891	23	48	16.11	.0821	25.01
20	THE1	0.04309053	23	12	25.04	.0237	7.02
21	J1	0.04329290	23	05	54.51	.1300	31.65
22	SO1	0.04460268	22	25	12.64	.0606	170.17
23	OO1	0.04483084	22	18	21.86	.0825	285.59
24	UPS1	0.04634299	21	34	41.65	.1719	192.20
25	OQ2	0.07597494	13	09	44.05	.0281	56.31
26	EPS2	0.07617731	13	07	38.17	.0689	74.13
27	2N2	0.07748710	12	54	19.35	.1561	52.11
28	MU2	0.07768947	12	52	18.33	.1910	42.93
29	N2	0.07899925	12	39	30.05	1.1891	43.98
30	NU2	0.07920162	12	37	33.62	.2410	42.35
31	M2	0.08051140	12	25	14.16	7.1521	44.67
32	MKS2	0.08073957	12	23	07.80	.0154	44.60
33	LDA2	0.08182118	12	13	18.39	.1164	19.43
34	L2	0.08202355	12	11	29.83	.3389	33.47
35	S2	0.08333334	11	59	60.00	4.0705	51.40
36	K2	0.08356149	11	58	02.05	1.2042	46.68
37	MSN2	0.08484548	11	47	10.07	.0227	243.32
38	ETA2	0.08507364	11	45	16.28	.0716	37.16
39	MO3	0.11924210	08	23	10.68	.0782	251.44
40	M3	0.12076710	08	16	49.44	.2065	125.85
41	SO3	0.12206400	08	11	32.73	.0419	322.02
42	MK3	0.12229210	08	10	37.72	.0343	159.56
43	SK3	0.12511410	07	59	33.74	.1107	82.42
44	MN4	0.15951060	06	16	09.03	.0212	26.24
45	M4	0.16102280	06	12	37.08	.0663	90.44
46	SN4	0.16233260	06	09	36.69	.0174	221.28
47	MS4	0.16384470	06	06	12.03	.0203	174.96
48	MK4	0.16407290	06	05	41.47	.0063	61.08
49	S4	0.16666670	05	59	60.00	.0499	190.71
50	SK4	0.16689480	05	59	30.47	.0509	168.58
51	2MK5	0.20280360	04	55	51.16	.0279	203.17
52	2SK5	0.20844740	04	47	50.54	.0183	268.62
53	2MN6	0.24002200	04	09	58.63	.0066	150.51
54	M6	0.24153420	04	08	24.72	.0474	38.52
55	2MS6	0.24435610	04	05	32.60	.0169	21.40
56	2MK6	0.24458430	04	05	18.85	.0262	221.52
57	2SM6	0.24717810	04	02	44.40	.0266	180.10
58	MSK6	0.24740620	04	02	30.97	.0200	156.79
59	3MK7	0.28331490	03	31	46.71	.0312	209.16
60	M8	0.32204560	03	06	18.54	.0467	98.31

Frequenza Ampiezza e Fase dei costituenti di marea

Bari

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				9.2431	180.00
2	SSA	0.00022816	4382	53	21.12	2.6819	328.60
3	MSM	0.00130978	763	29	13.19	.5423	38.08
4	MM	0.00151215	661	18	36.20	1.7198	148.90
5	MSF	0.00282193	354	22	02.64	1.0336	327.95
6	MF	0.00305009	327	51	33.04	.9581	264.72
7	ALP1	0.03439657	29	04	21.60	.1333	251.82
8	2Q1	0.03570635	28	00	22.40	.1424	345.81
9	SIG1	0.03590872	27	50	54.20	.1135	214.65
10	Q1	0.03721850	26	52	06.09	.3593	47.59
11	RHO1	0.03742087	26	43	23.00	.0888	341.82
12	O1	0.03873065	25	49	09.64	1.8513	23.05
13	TAU1	0.03895881	25	40	05.29	.0822	332.49
14	BET1	0.04004043	24	58	29.12	.1629	121.36
15	NO1	0.04026859	24	49	59.70	.2801	357.48
16	CHI1	0.04047097	24	42	32.65	.2195	95.89
17	P1	0.04155259	24	03	57.20	1.5206	29.48
18	K1	0.04178075	23	56	04.08	4.9235	36.86
19	PHI1	0.04200891	23	48	16.11	.2093	71.82
20	THE1	0.04309053	23	12	25.04	.1515	332.92
21	J1	0.04329290	23	05	54.51	.2580	40.71
22	SO1	0.04460268	22	25	12.64	.0211	258.00
23	OO1	0.04483084	22	18	21.86	.1726	90.61
24	UPS1	0.04634299	21	34	41.65	.4437	162.49
25	OQ2	0.07597494	13	09	44.05	.0510	160.52
26	EPS2	0.07617731	13	07	38.17	.0313	82.48
27	2N2	0.07748710	12	54	19.35	.2194	50.19
28	MU2	0.07768947	12	52	18.33	.1535	56.46
29	N2	0.07899925	12	39	30.05	1.5630	45.11
30	NU2	0.07920162	12	37	33.62	.3497	52.55
31	M2	0.08051140	12	25	14.16	9.8721	44.93
32	MKS2	0.08073957	12	23	07.80	.0347	248.23
33	LDA2	0.08182118	12	13	18.39	.0976	4.50
34	L2	0.08202355	12	11	29.83	.4240	35.93
35	S2	0.08333334	11	59	60.00	6.1144	51.35
36	K2	0.08356149	11	58	02.05	1.9672	47.15
37	MSN2	0.08484548	11	47	10.07	.1429	294.74
38	ETA2	0.08507364	11	45	16.28	.1012	40.72
39	MO3	0.11924210	08	23	10.68	.0497	254.17
40	M3	0.12076710	08	16	49.44	.1158	151.08
41	SO3	0.12206400	08	11	32.73	.0967	279.78
42	MK3	0.12229210	08	10	37.72	.0472	68.90
43	SK3	0.12511410	07	59	33.74	.1213	90.09
44	MN4	0.15951060	06	16	09.03	.0228	165.54
45	M4	0.16102280	06	12	37.08	.0573	161.41
46	SN4	0.16233260	06	09	36.69	.0110	103.84
47	MS4	0.16384470	06	06	12.03	.0694	142.64
48	MK4	0.16407290	06	05	41.47	.0357	9.04
49	S4	0.16666670	05	59	60.00	.0798	248.49
50	SK4	0.16689480	05	59	30.47	.0107	211.84
51	2MK5	0.20280360	04	55	51.16	.0479	209.39
52	2SK5	0.20844740	04	47	50.54	.0215	10.98
53	2MN6	0.24002200	04	09	58.63	.0117	43.26
54	M6	0.24153420	04	08	24.72	.0077	314.33
55	2MS6	0.24435610	04	05	32.60	.0226	26.33
56	2MK6	0.24458430	04	05	18.85	.0428	121.03
57	2SM6	0.24717810	04	02	44.40	.0830	330.53
58	MSK6	0.24740620	04	02	30.97	.0528	137.65
59	3MK7	0.28331490	03	31	46.71	.0281	21.10
60	M8	0.32204560	03	06	18.54	.0727	300.17

Frequenza Ampiezza e Fase dei costituenti di marea

Vieste

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				4.8057	180.00
2	SSA	0.00022816	4382	53	21.12	2.6606	336.29
3	MSM	0.00130978	763	29	13.19	.7276	50.89
4	MM	0.00151215	661	18	36.20	1.4674	143.05
5	MSF	0.00282193	354	22	02.64	.7896	333.99
6	MF	0.00305009	327	51	33.04	.9799	262.27
7	ALP1	0.03439657	29	04	21.60	.1451	262.30
8	2Q1	0.03570635	28	00	22.40	.0868	79.40
9	SIG1	0.03590872	27	50	54.20	.1316	254.88
10	Q1	0.03721850	26	52	06.09	.3103	85.82
11	RHO1	0.03742087	26	43	23.00	.1120	31.26
12	O1	0.03873065	25	49	09.64	1.7525	44.68
13	TAU1	0.03895881	25	40	05.29	.1251	25.12
14	BET1	0.04004043	24	58	29.12	.1514	155.56
15	NO1	0.04026859	24	49	59.70	.2696	18.87
16	CHI1	0.04047097	24	42	32.65	.1918	147.35
17	P1	0.04155259	24	03	57.20	1.5241	47.65
18	K1	0.04178075	23	56	04.08	5.0963	61.08
19	PHI1	0.04200891	23	48	16.11	.1647	81.84
20	THE1	0.04309053	23	12	25.04	.1066	351.77
21	J1	0.04329290	23	05	54.51	.2267	71.90
22	SO1	0.04460268	22	25	12.64	.0554	255.10
23	OO1	0.04483084	22	18	21.86	.2803	101.26
24	UPS1	0.04634299	21	34	41.65	.5282	182.76
25	OQ2	0.07597494	13	09	44.05	.0821	211.72
26	EPS2	0.07617731	13	07	38.17	.0261	72.50
27	2N2	0.07748710	12	54	19.35	.1546	31.14
28	MU2	0.07768947	12	52	18.33	.1024	55.15
29	N2	0.07899925	12	39	30.05	1.5302	42.85
30	NU2	0.07920162	12	37	33.62	.3370	48.03
31	M2	0.08051140	12	25	14.16	9.6617	43.09
32	MKS2	0.08073957	12	23	07.80	.1353	101.70
33	LDA2	0.08182118	12	13	18.39	.1975	16.97
34	L2	0.08202355	12	11	29.83	.4309	31.81
35	S2	0.08333334	11	59	60.00	6.0195	50.89
36	K2	0.08356149	11	58	02.05	1.8445	47.74
37	MSN2	0.08484548	11	47	10.07	.1068	261.55
38	ETA2	0.08507364	11	45	16.28	.0766	46.03
39	MO3	0.11924210	08	23	10.68	.0391	141.05
40	M3	0.12076710	08	16	49.44	.0715	277.80
41	SO3	0.12206400	08	11	32.73	.0806	302.05
42	MK3	0.12229210	08	10	37.72	.1279	32.66
43	SK3	0.12511410	07	59	33.74	.0415	87.66
44	MN4	0.15951060	06	16	09.03	.0150	204.08
45	M4	0.16102280	06	12	37.08	.0214	131.45
46	SN4	0.16233260	06	09	36.69	.0249	37.41
47	MS4	0.16384470	06	06	12.03	.0347	2.97
48	MK4	0.16407290	06	05	41.47	.0281	121.97
49	S4	0.16666670	05	59	60.00	.0530	193.02
50	SK4	0.16689480	05	59	30.47	.0529	155.97
51	2MK5	0.20280360	04	55	51.16	.0204	349.56
52	2SK5	0.20844740	04	47	50.54	.0235	51.67
53	2MN6	0.24002200	04	09	58.63	.0412	124.64
54	M6	0.24153420	04	08	24.72	.0479	111.61
55	2MS6	0.24435610	04	05	32.60	.0658	261.35
56	2MK6	0.24458430	04	05	18.85	.0657	341.46
57	2SM6	0.24717810	04	02	44.40	.0167	19.11
58	MSK6	0.24740620	04	02	30.97	.0619	153.01
59	3MK7	0.28331490	03	31	46.71	.0403	76.31
60	M8	0.32204560	03	06	18.54	.0623	255.11

Frequenza Ampiezza e Fase dei costituenti di marea

Ortona

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				2.9752	.00
2	SSA	0.00022816	4382	53	21.12	2.6006	5.43
3	MSM	0.00130978	763	29	13.19	.8351	30.41
4	MM	0.00151215	661	18	36.20	1.1499	133.48
5	MSF	0.00282193	354	22	02.64	.3812	358.99
6	MF	0.00305009	327	51	33.04	1.2692	256.20
7	ALP1	0.03439657	29	04	21.60	.1698	202.21
8	2Q1	0.03570635	28	00	22.40	.2696	55.44
9	SIG1	0.03590872	27	50	54.20	.1652	218.76
10	Q1	0.03721850	26	52	06.09	.6355	73.70
11	RHO1	0.03742087	26	43	23.00	.1400	341.62
12	O1	0.03873065	25	49	09.64	2.9179	42.12
13	TAU1	0.03895881	25	40	05.29	.1864	15.92
14	BET1	0.04004043	24	58	29.12	.1869	136.30
15	NO1	0.04026859	24	49	59.70	.3566	7.73
16	CHI1	0.04047097	24	42	32.65	.3851	121.95
17	P1	0.04155259	24	03	57.20	2.6467	47.81
18	K1	0.04178075	23	56	04.08	8.9686	52.58
19	PHI1	0.04200891	23	48	16.11	.2096	55.02
20	THE1	0.04309053	23	12	25.04	.2045	18.00
21	J1	0.04329290	23	05	54.51	.4134	40.77
22	SO1	0.04460268	22	25	12.64	.0859	85.64
23	OO1	0.04483084	22	18	21.86	.3291	130.04
24	UPS1	0.04634299	21	34	41.65	.9428	156.97
25	OQ2	0.07597494	13	09	44.05	.0663	150.29
26	EPS2	0.07617731	13	07	38.17	.0491	118.27
27	2N2	0.07748710	12	54	19.35	.2449	30.51
28	MU2	0.07768947	12	52	18.33	.0586	24.33
29	N2	0.07899925	12	39	30.05	1.0409	31.69
30	NU2	0.07920162	12	37	33.62	.2417	29.71
31	M2	0.08051140	12	25	14.16	6.8765	32.74
32	MKS2	0.08073957	12	23	07.80	.0383	342.30
33	LDA2	0.08182118	12	13	18.39	.1139	50.88
34	L2	0.08202355	12	11	29.83	.3199	17.33
35	S2	0.08333334	11	59	60.00	4.8885	42.24
36	K2	0.08356149	11	58	02.05	1.5669	38.11
37	MSN2	0.08484548	11	47	10.07	.1620	256.37
38	ETA2	0.08507364	11	45	16.28	.0857	83.10
39	MO3	0.11924210	08	23	10.68	.0835	76.85
40	M3	0.12076710	08	16	49.44	.3225	297.08
41	SO3	0.12206400	08	11	32.73	.0448	98.92
42	MK3	0.12229210	08	10	37.72	.0627	340.77
43	SK3	0.12511410	07	59	33.74	.2431	262.08
44	MN4	0.15951060	06	16	09.03	.0246	238.12
45	M4	0.16102280	06	12	37.08	.0993	270.53
46	SN4	0.16233260	06	09	36.69	.0844	217.40
47	MS4	0.16384470	06	06	12.03	.1475	306.20
48	MK4	0.16407290	06	05	41.47	.0386	313.97
49	S4	0.16666670	05	59	60.00	.0777	331.71
50	SK4	0.16689480	05	59	30.47	.0342	72.15
51	2MK5	0.20280360	04	55	51.16	.1185	79.84
52	2SK5	0.20844740	04	47	50.54	.1086	124.67
53	2MN6	0.24002200	04	09	58.63	.0780	216.34
54	M6	0.24153420	04	08	24.72	.0624	213.36
55	2MS6	0.24435610	04	05	32.60	.0508	77.57
56	2MK6	0.24458430	04	05	18.85	.0508	223.47
57	2SM6	0.24717810	04	02	44.40	.0383	38.98
58	MSK6	0.24740620	04	02	30.97	.0284	356.61
59	3MK7	0.28331490	03	31	46.71	.0319	169.15
60	M8	0.32204560	03	06	18.54	.0270	15.51

Frequenza Ampiezza e Fase dei costituenti di marea

Ancona

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				4.3632	.00
2	SSA	0.00022816	4382	53	21.12	2.7823	23.36
3	MSM	0.00130978	763	29	13.19	.8109	11.65
4	MM	0.00151215	661	18	36.20	1.2398	133.32
5	MSF	0.00282193	354	22	02.64	.2643	358.37
6	MF	0.00305009	327	51	33.04	1.2950	255.01
7	ALP1	0.03439657	29	04	21.60	.3119	163.12
8	2Q1	0.03570635	28	00	22.40	.4184	48.88
9	SIG1	0.03590872	27	50	54.20	.2007	126.35
10	Q1	0.03721850	26	52	06.09	.9702	69.14
11	RHO1	0.03742087	26	43	23.00	.1627	22.31
12	O1	0.03873065	25	49	09.64	3.9925	46.32
13	TAU1	0.03895881	25	40	05.29	.1531	358.64
14	BET1	0.04004043	24	58	29.12	.2900	110.49
15	NO1	0.04026859	24	49	59.70	.5539	31.27
16	CHI1	0.04047097	24	42	32.65	.2801	126.90
17	P1	0.04155259	24	03	57.20	3.9052	52.15
18	K1	0.04178075	23	56	04.08	12.9317	58.65
19	PHI1	0.04200891	23	48	16.11	.2921	85.22
20	THE1	0.04309053	23	12	25.04	.1636	50.53
21	J1	0.04329290	23	05	54.51	.5978	68.03
22	SO1	0.04460268	22	25	12.64	.1802	43.66
23	OO1	0.04483084	22	18	21.86	.3525	133.86
24	UPS1	0.04634299	21	34	41.65	1.5689	157.58
25	OQ2	0.07597494	13	09	44.05	.0608	296.84
26	EPS2	0.07617731	13	07	38.17	.0408	340.62
27	2N2	0.07748710	12	54	19.35	.2284	273.97
28	MU2	0.07768947	12	52	18.33	.1768	259.29
29	N2	0.07899925	12	39	30.05	1.2024	271.72
30	NU2	0.07920162	12	37	33.62	.2509	286.78
31	M2	0.08051140	12	25	14.16	6.7898	275.66
32	MKS2	0.08073957	12	23	07.80	.0180	292.81
33	LDA2	0.08182118	12	13	18.39	.0459	254.58
34	L2	0.08202355	12	11	29.83	.2795	273.69
35	S2	0.08333334	11	59	60.00	3.6831	289.02
36	K2	0.08356149	11	58	02.05	1.0074	285.99
37	MSN2	0.08484548	11	47	10.07	.0226	246.63
38	ETA2	0.08507364	11	45	16.28	.0443	222.80
39	MO3	0.11924210	08	23	10.68	.1163	46.89
40	M3	0.12076710	08	16	49.44	.2157	298.08
41	SO3	0.12206400	08	11	32.73	.1211	107.65
42	MK3	0.12229210	08	10	37.72	.0975	278.55
43	SK3	0.12511410	07	59	33.74	.1828	249.31
44	MN4	0.15951060	06	16	09.03	.0326	17.17
45	M4	0.16102280	06	12	37.08	.0121	206.81
46	SN4	0.16233260	06	09	36.69	.0214	263.69
47	MS4	0.16384470	06	06	12.03	.0311	61.54
48	MK4	0.16407290	06	05	41.47	.0398	117.26
49	S4	0.16666670	05	59	60.00	.0696	105.42
50	SK4	0.16689480	05	59	30.47	.0375	305.86
51	2MK5	0.20280360	04	55	51.16	.0296	193.96
52	2SK5	0.20844740	04	47	50.54	.0320	19.07
53	2MN6	0.24002200	04	09	58.63	.0510	284.66
54	M6	0.24153420	04	08	24.72	.0236	91.22
55	2MS6	0.24435610	04	05	32.60	.0762	61.61
56	2MK6	0.24458430	04	05	18.85	.0650	14.67
57	2SM6	0.24717810	04	02	44.40	.0322	174.06
58	MSK6	0.24740620	04	02	30.97	.0787	109.26
59	3MK7	0.28331490	03	31	46.71	.0787	224.60
60	M8	0.32204560	03	06	18.54	.0338	53.49

Frequenza Ampiezza e Fase dei costituenti di marea

Ravenna

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				14.1427	.00
2	SSA	0.00022816	4382	53	21.12	3.6970	353.87
3	MSM	0.00130978	763	29	13.19	.8552	10.93
4	MM	0.00151215	661	18	36.20	1.1272	160.10
5	MSF	0.00282193	354	22	02.64	.1175	113.31
6	MF	0.00305009	327	51	33.04	1.1065	250.09
7	ALP1	0.03439657	29	04	21.60	.1617	143.83
8	2Q1	0.03570635	28	00	22.40	.5645	46.63
9	SIG1	0.03590872	27	50	54.20	.2185	121.65
10	Q1	0.03721850	26	52	06.09	1.4286	61.66
11	RHO1	0.03742087	26	43	23.00	.2301	346.02
12	O1	0.03873065	25	49	09.64	5.0590	44.55
13	TAU1	0.03895881	25	40	05.29	.3071	357.05
14	BET1	0.04004043	24	58	29.12	.4527	100.91
15	NO1	0.04026859	24	49	59.70	.7572	23.82
16	CHI1	0.04047097	24	42	32.65	.4142	121.50
17	P1	0.04155259	24	03	57.20	4.9372	47.44
18	K1	0.04178075	23	56	04.08	16.1853	53.13
19	PHI1	0.04200891	23	48	16.11	.2485	73.29
20	THE1	0.04309053	23	12	25.04	.2364	48.09
21	J1	0.04329290	23	05	54.51	.7670	58.57
22	SO1	0.04460268	22	25	12.64	.2416	63.19
23	OO1	0.04483084	22	18	21.86	.5748	132.24
24	UPS1	0.04634299	21	34	41.65	2.0047	143.21
25	OQ2	0.07597494	13	09	44.05	.0687	250.83
26	EPS2	0.07617731	13	07	38.17	.1569	260.88
27	2N2	0.07748710	12	54	19.35	.4404	253.82
28	MU2	0.07768947	12	52	18.33	.4010	247.89
29	N2	0.07899925	12	39	30.05	2.9028	242.35
30	NU2	0.07920162	12	37	33.62	.6235	255.58
31	M2	0.08051140	12	25	14.16	17.1414	243.19
32	MKS2	0.08073957	12	23	07.80	.1573	66.55
33	LDA2	0.08182118	12	13	18.39	.2599	204.95
34	L2	0.08202355	12	11	29.83	.7517	237.59
35	S2	0.08333334	11	59	60.00	10.0382	249.76
36	K2	0.08356149	11	58	02.05	2.8563	242.36
37	MSN2	0.08484548	11	47	10.07	.0431	155.40
38	ETA2	0.08507364	11	45	16.28	.1742	227.65
39	MO3	0.11924210	08	23	10.68	.0809	27.85
40	M3	0.12076710	08	16	49.44	.1658	174.87
41	SO3	0.12206400	08	11	32.73	.0548	350.02
42	MK3	0.12229210	08	10	37.72	.0549	86.23
43	SK3	0.12511410	07	59	33.74	.1425	130.31
44	MN4	0.15951060	06	16	09.03	.0849	290.72
45	M4	0.16102280	06	12	37.08	.0592	327.46
46	SN4	0.16233260	06	09	36.69	.0526	61.34
47	MS4	0.16384470	06	06	12.03	.0589	205.45
48	MK4	0.16407290	06	05	41.47	.0780	309.42
49	S4	0.16666670	05	59	60.00	.0971	70.96
50	SK4	0.16689480	05	59	30.47	.0327	213.32
51	2MK5	0.20280360	04	55	51.16	.0542	265.21
52	2SK5	0.20844740	04	47	50.54	.0858	211.61
53	2MN6	0.24002200	04	09	58.63	.0276	56.73
54	M6	0.24153420	04	08	24.72	.0349	123.05
55	2MS6	0.24435610	04	05	32.60	.0338	334.47
56	2MK6	0.24458430	04	05	18.85	.0394	11.23
57	2SM6	0.24717810	04	02	44.40	.0543	337.43
58	MSK6	0.24740620	04	02	30.97	.0423	139.59
59	3MK7	0.28331490	03	31	46.71	.1177	43.05
60	M8	0.32204560	03	06	18.54	.0427	335.75

Frequenza Ampiezza e Fase dei costituenti di marea

Venezia

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				19.6737	.00
2	SSA	0.00022816	4382	53	21.12	4.1569	45.36
3	MSM	0.00130978	763	29	13.19	1.5003	3.07
4	MM	0.00151215	661	18	36.20	.7016	142.61
5	MSF	0.00282193	354	22	02.64	.2303	177.31
6	MF	0.00305009	327	51	33.04	1.3254	217.50
7	ALP1	0.03439657	29	04	21.60	.4259	147.67
8	2Q1	0.03570635	28	00	22.40	.5095	39.52
9	SIG1	0.03590872	27	50	54.20	.4492	114.88
10	Q1	0.03721850	26	52	06.09	1.4385	60.68
11	RHO1	0.03742087	26	43	23.00	.3154	345.73
12	O1	0.03873065	25	49	09.64	5.3033	40.18
13	TAU1	0.03895881	25	40	05.29	.3813	15.34
14	BET1	0.04004043	24	58	29.12	.2838	108.92
15	NO1	0.04026859	24	49	59.70	.5665	29.27
16	CHI1	0.04047097	24	42	32.65	.3902	96.58
17	P1	0.04155259	24	03	57.20	5.3775	44.09
18	K1	0.04178075	23	56	04.08	17.6039	49.70
19	PHI1	0.04200891	23	48	16.11	.3048	100.23
20	THE1	0.04309053	23	12	25.04	.1811	22.97
21	J1	0.04329290	23	05	54.51	.8856	53.24
22	SO1	0.04460268	22	25	12.64	.3484	62.77
23	OO1	0.04483084	22	18	21.86	.5074	119.91
24	UPS1	0.04634299	21	34	41.65	2.0271	141.61
25	OQ2	0.07597494	13	09	44.05	.0514	290.14
26	EPS2	0.07617731	13	07	38.17	.0456	258.25
27	2N2	0.07748710	12	54	19.35	.4507	246.26
28	MU2	0.07768947	12	52	18.33	.4289	258.13
29	N2	0.07899925	12	39	30.05	4.0176	232.39
30	NU2	0.07920162	12	37	33.62	1.0029	232.44
31	M2	0.08051140	12	25	14.16	23.9363	233.98
32	MKS2	0.08073957	12	23	07.80	.4469	53.01
33	LDA2	0.08182118	12	13	18.39	.3013	222.74
34	L2	0.08202355	12	11	29.83	1.0340	228.90
35	S2	0.08333334	11	59	60.00	14.2160	239.94
36	K2	0.08356149	11	58	02.05	3.9686	235.22
37	MSN2	0.08484548	11	47	10.07	.2675	105.42
38	ETA2	0.08507364	11	45	16.28	.2589	242.79
39	MO3	0.11924210	08	23	10.68	.3687	278.98
40	M3	0.12076710	08	16	49.44	.6520	141.54
41	SO3	0.12206400	08	11	32.73	.3455	301.63
42	MK3	0.12229210	08	10	37.72	.1401	32.63
43	SK3	0.12511410	07	59	33.74	.4299	83.20
44	MN4	0.15951060	06	16	09.03	.0782	211.99
45	M4	0.16102280	06	12	37.08	.2647	217.80
46	SN4	0.16233260	06	09	36.69	.0263	201.27
47	MS4	0.16384470	06	06	12.03	.2866	220.25
48	MK4	0.16407290	06	05	41.47	.1621	232.33
49	S4	0.16666670	05	59	60.00	.1434	260.39
50	SK4	0.16689480	05	59	30.47	.0312	233.05
51	2MK5	0.20280360	04	55	51.16	.0848	282.36
52	2SK5	0.20844740	04	47	50.54	.0452	47.92
53	2MN6	0.24002200	04	09	58.63	.0279	167.63
54	M6	0.24153420	04	08	24.72	.0681	180.78
55	2MS6	0.24435610	04	05	32.60	.1632	178.38
56	2MK6	0.24458430	04	05	18.85	.0768	180.31
57	2SM6	0.24717810	04	02	44.40	.0501	157.56
58	MSK6	0.24740620	04	02	30.97	.0690	179.28
59	3MK7	0.28331490	03	31	46.71	.1016	219.71
60	M8	0.32204560	03	06	18.54	.0109	74.65

Frequenza Ampiezza e Fase dei costituenti di marea

Trieste

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				4.5562	.00
2	SSA	0.00022816	4382	53	21.12	3.9969	34.77
3	MSM	0.00130978	763	29	13.19	1.2383	335.66
4	MM	0.00151215	661	18	36.20	.9209	134.72
5	MSF	0.00282193	354	22	02.64	.9118	125.93
6	MF	0.00305009	327	51	33.04	1.4128	203.81
7	ALP1	0.03439657	29	04	21.60	.5084	126.48
8	2Q1	0.03570635	28	00	22.40	.6562	27.57
9	SIG1	0.03590872	27	50	54.20	.5277	109.92
10	Q1	0.03721850	26	52	06.09	1.2587	57.12
11	RHO1	0.03742087	26	43	23.00	.2051	333.60
12	O1	0.03873065	25	49	09.64	5.0766	32.76
13	TAU1	0.03895881	25	40	05.29	.3552	349.82
14	BET1	0.04004043	24	58	29.12	.3830	72.11
15	NO1	0.04026859	24	49	59.70	.4400	26.18
16	CHI1	0.04047097	24	42	32.65	.4151	83.10
17	P1	0.04155259	24	03	57.20	5.6724	35.44
18	K1	0.04178075	23	56	04.08	17.7126	42.28
19	PHI1	0.04200891	23	48	16.11	.4157	70.95
20	THE1	0.04309053	23	12	25.04	.1891	39.83
21	J1	0.04329290	23	05	54.51	.9192	54.74
22	SO1	0.04460268	22	25	12.64	.3924	53.79
23	OO1	0.04483084	22	18	21.86	.8683	118.69
24	UPS1	0.04634299	21	34	41.65	2.3074	137.63
25	OQ2	0.07597494	13	09	44.05	.1449	293.31
26	EPS2	0.07617731	13	07	38.17	.1062	235.90
27	2N2	0.07748710	12	54	19.35	.5524	222.88
28	MU2	0.07768947	12	52	18.33	.4536	224.43
29	N2	0.07899925	12	39	30.05	4.4655	218.04
30	NU2	0.07920162	12	37	33.62	.9971	225.57
31	M2	0.08051140	12	25	14.16	26.9662	218.25
32	MKS2	0.08073957	12	23	07.80	.1326	92.53
33	LDA2	0.08182118	12	13	18.39	.3830	193.31
34	L2	0.08202355	12	11	29.83	1.1470	208.23
35	S2	0.08333334	11	59	60.00	16.0837	224.31
36	K2	0.08356149	11	58	02.05	4.8435	219.85
37	MSN2	0.08484548	11	47	10.07	.1729	94.80
38	ETA2	0.08507364	11	45	16.28	.3249	211.47
39	MO3	0.11924210	08	23	10.68	.3365	233.43
40	M3	0.12076710	08	16	49.44	.8378	116.53
41	SO3	0.12206400	08	11	32.73	.2762	253.21
42	MK3	0.12229210	08	10	37.72	.1767	117.85
43	SK3	0.12511410	07	59	33.74	.6135	76.11
44	MN4	0.15951060	06	16	09.03	.0902	202.54
45	M4	0.16102280	06	12	37.08	.1285	250.74
46	SN4	0.16233260	06	09	36.69	.0227	329.48
47	MS4	0.16384470	06	06	12.03	.0970	262.43
48	MK4	0.16407290	06	05	41.47	.0724	249.31
49	S4	0.16666670	05	59	60.00	.1886	251.55
50	SK4	0.16689480	05	59	30.47	.0652	245.36
51	2MK5	0.20280360	04	55	51.16	.1256	20.82
52	2SK5	0.20844740	04	47	50.54	.0126	241.84
53	2MN6	0.24002200	04	09	58.63	.0841	257.16
54	M6	0.24153420	04	08	24.72	.1446	331.70
55	2MS6	0.24435610	04	05	32.60	.2560	355.75
56	2MK6	0.24458430	04	05	18.85	.1149	304.04
57	2SM6	0.24717810	04	02	44.40	.1192	341.72
58	MSK6	0.24740620	04	02	30.97	.0355	22.26
59	3MK7	0.28331490	03	31	46.71	.0935	44.94
60	M8	0.32204560	03	06	18.54	.0580	285.14

Frequenza Ampiezza e Fase dei costituenti di marea

Palermo

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				13.2732	.00
2	SSA	0.00022816	4382	53	21.12	4.9251	4.65
3	MSM	0.00130978	763	29	13.19	.6351	70.68
4	MM	0.00151215	661	18	36.20	.5548	193.16
5	MSF	0.00282193	354	22	02.64	.7892	303.74
6	MF	0.00305009	327	51	33.04	.6751	264.93
7	ALP1	0.03439657	29	04	21.60	.0196	82.34
8	2Q1	0.03570635	28	00	22.40	.1748	316.80
9	SIG1	0.03590872	27	50	54.20	.0234	209.83
10	Q1	0.03721850	26	52	06.09	.1664	345.86
11	RHO1	0.03742087	26	43	23.00	.1331	5.42
12	O1	0.03873065	25	49	09.64	1.0704	104.85
13	TAU1	0.03895881	25	40	05.29	.0883	185.35
14	BET1	0.04004043	24	58	29.12	.1311	2.11
15	NO1	0.04026859	24	49	59.70	.2261	149.14
16	CHI1	0.04047097	24	42	32.65	.2285	248.23
17	P1	0.04155259	24	03	57.20	.8672	169.98
18	K1	0.04178075	23	56	04.08	2.8306	181.36
19	PHI1	0.04200891	23	48	16.11	.2098	196.54
20	THE1	0.04309053	23	12	25.04	.1123	106.33
21	J1	0.04329290	23	05	54.51	.0630	199.63
22	SO1	0.04460268	22	25	12.64	.0964	295.33
23	OO1	0.04483084	22	18	21.86	.0759	218.66
24	UPS1	0.04634299	21	34	41.65	.0560	319.29
25	OQ2	0.07597494	13	09	44.05	.0194	91.54
26	EPS2	0.07617731	13	07	38.17	.0576	175.35
27	2N2	0.07748710	12	54	19.35	.3451	178.59
28	MU2	0.07768947	12	52	18.33	.3868	163.75
29	N2	0.07899925	12	39	30.05	2.2903	190.61
30	NU2	0.07920162	12	37	33.62	.3876	195.79
31	M2	0.08051140	12	25	14.16	11.5224	206.15
32	MKS2	0.08073957	12	23	07.80	.0354	19.02
33	LDA2	0.08182118	12	13	18.39	.0574	204.20
34	L2	0.08202355	12	11	29.83	.3000	213.82
35	S2	0.08333334	11	59	60.00	4.2912	227.69
36	K2	0.08356149	11	58	02.05	1.2231	223.32
37	MSN2	0.08484548	11	47	10.07	.0286	81.38
38	ETA2	0.08507364	11	45	16.28	.0608	235.33
39	MO3	0.11924210	08	23	10.68	.2875	53.47
40	M3	0.12076710	08	16	49.44	.4015	308.37
41	SO3	0.12206400	08	11	32.73	.1205	76.12
42	MK3	0.12229210	08	10	37.72	.0341	334.85
43	SK3	0.12511410	07	59	33.74	.2211	252.96
44	MN4	0.15951060	06	16	09.03	.1090	43.79
45	M4	0.16102280	06	12	37.08	.3685	80.21
46	SN4	0.16233260	06	09	36.69	.0425	127.38
47	MS4	0.16384470	06	06	12.03	.2062	143.20
48	MK4	0.16407290	06	05	41.47	.0761	180.22
49	S4	0.16666670	05	59	60.00	.0718	47.47
50	SK4	0.16689480	05	59	30.47	.0386	145.49
51	2MK5	0.20280360	04	55	51.16	.0074	107.60
52	2SK5	0.20844740	04	47	50.54	.0543	332.54
53	2MN6	0.24002200	04	09	58.63	.0563	111.20
54	M6	0.24153420	04	08	24.72	.0528	136.57
55	2MS6	0.24435610	04	05	32.60	.0517	121.95
56	2MK6	0.24458430	04	05	18.85	.0245	168.03
57	2SM6	0.24717810	04	02	44.40	.0201	53.30
58	MSK6	0.24740620	04	02	30.97	.0224	210.39
59	3MK7	0.28331490	03	31	46.71	.0174	327.95
60	M8	0.32204560	03	06	18.54	.0323	309.16

Frequenza Ampiezza e Fase dei costituenti di marea

Messina

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				2.8414	180.00
2	SSA	0.00022816	4382	53	21.12	3.7701	356.43
3	MSM	0.00130978	763	29	13.19	.3619	41.85
4	MM	0.00151215	661	18	36.20	.6942	172.17
5	MSF	0.00282193	354	22	02.64	1.5029	320.10
6	MF	0.00305009	327	51	33.04	.6366	289.59
7	ALP1	0.03439657	29	04	21.60	.0583	256.12
8	2Q1	0.03570635	28	00	22.40	.1384	262.98
9	SIG1	0.03590872	27	50	54.20	.1715	65.18
10	Q1	0.03721850	26	52	06.09	.3825	21.27
11	RHO1	0.03742087	26	43	23.00	.1735	17.29
12	O1	0.03873065	25	49	09.64	.9826	37.08
13	TAU1	0.03895881	25	40	05.29	.3020	34.11
14	BET1	0.04004043	24	58	29.12	.1360	275.67
15	NO1	0.04026859	24	49	59.70	.1582	178.01
16	CHI1	0.04047097	24	42	32.65	.0586	5.03
17	P1	0.04155259	24	03	57.20	.2280	21.18
18	K1	0.04178075	23	56	04.08	.5917	258.01
19	PHI1	0.04200891	23	48	16.11	.1867	29.97
20	THE1	0.04309053	23	12	25.04	.0144	190.84
21	J1	0.04329290	23	05	54.51	.0998	141.30
22	SO1	0.04460268	22	25	12.64	.2903	84.40
23	OO1	0.04483084	22	18	21.86	.1610	178.66
24	UPS1	0.04634299	21	34	41.65	.0017	326.67
25	OQ2	0.07597494	13	09	44.05	.0726	317.28
26	EPS2	0.07617731	13	07	38.17	.1658	179.19
27	2N2	0.07748710	12	54	19.35	.2091	218.03
28	MU2	0.07768947	12	52	18.33	.2558	118.15
29	N2	0.07899925	12	39	30.05	.5890	306.95
30	NU2	0.07920162	12	37	33.62	.0593	27.08
31	M2	0.08051140	12	25	14.16	4.8248	330.06
32	MKS2	0.08073957	12	23	07.80	.5622	36.35
33	LDA2	0.08182118	12	13	18.39	.0659	21.97
34	L2	0.08202355	12	11	29.83	.1163	330.78
35	S2	0.08333334	11	59	60.00	2.4827	354.65
36	K2	0.08356149	11	58	02.05	.8272	341.94
37	MSN2	0.08484548	11	47	10.07	.1393	292.61
38	ETA2	0.08507364	11	45	16.28	.2037	326.33
39	MO3	0.11924210	08	23	10.68	.2472	134.95
40	M3	0.12076710	08	16	49.44	.0620	355.92
41	SO3	0.12206400	08	11	32.73	.4956	159.84
42	MK3	0.12229210	08	10	37.72	.7987	135.06
43	SK3	0.12511410	07	59	33.74	.1582	181.62
44	MN4	0.15951060	06	16	09.03	.4627	168.98
45	M4	0.16102280	06	12	37.08	1.3318	179.51
46	SN4	0.16233260	06	09	36.69	.2177	185.68
47	MS4	0.16384470	06	06	12.03	.9868	202.92
48	MK4	0.16407290	06	05	41.47	.3911	212.10
49	S4	0.16666670	05	59	60.00	.1664	229.78
50	SK4	0.16689480	05	59	30.47	.1289	233.97
51	2MK5	0.20280360	04	55	51.16	.1662	20.78
52	2SK5	0.20844740	04	47	50.54	.0190	101.25
53	2MN6	0.24002200	04	09	58.63	.0686	91.42
54	M6	0.24153420	04	08	24.72	.1233	61.44
55	2MS6	0.24435610	04	05	32.60	.1164	108.21
56	2MK6	0.24458430	04	05	18.85	.1517	158.19
57	2SM6	0.24717810	04	02	44.40	.1037	139.34
58	MSK6	0.24740620	04	02	30.97	.1654	125.47
59	3MK7	0.28331490	03	31	46.71	.0800	163.16
60	M8	0.32204560	03	06	18.54	.0347	133.04

Frequenza Ampiezza e Fase dei costituenti di marea

Catania

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				7.4192	.00
2	SSA	0.00022816	4382	53	21.12	3.9438	338.17
3	MSM	0.00130978	763	29	13.19	.4499	34.36
4	MM	0.00151215	661	18	36.20	.9480	191.62
5	MSF	0.00282193	354	22	02.64	1.5407	319.81
6	MF	0.00305009	327	51	33.04	.6372	291.52
7	ALP1	0.03439657	29	04	21.60	.0492	207.44
8	2Q1	0.03570635	28	00	22.40	.1291	29.09
9	SIG1	0.03590872	27	50	54.20	.0441	44.93
10	Q1	0.03721850	26	52	06.09	.2150	49.19
11	RHO1	0.03742087	26	43	23.00	.0344	79.37
12	O1	0.03873065	25	49	09.64	1.0548	25.56
13	TAU1	0.03895881	25	40	05.29	.0826	12.20
14	BET1	0.04004043	24	58	29.12	.0611	124.97
15	NO1	0.04026859	24	49	59.70	.0929	45.94
16	CHI1	0.04047097	24	42	32.65	.0982	87.73
17	P1	0.04155259	24	03	57.20	.6765	20.62
18	K1	0.04178075	23	56	04.08	1.7474	34.09
19	PHI1	0.04200891	23	48	16.11	.2603	87.56
20	THE1	0.04309053	23	12	25.04	.0332	348.19
21	J1	0.04329290	23	05	54.51	.0821	63.66
22	SO1	0.04460268	22	25	12.64	.0599	130.62
23	OO1	0.04483084	22	18	21.86	.0392	344.69
24	UPS1	0.04634299	21	34	41.65	.0436	46.02
25	OQ2	0.07597494	13	09	44.05	.0115	260.68
26	EPS2	0.07617731	13	07	38.17	.0348	319.33
27	2N2	0.07748710	12	54	19.35	.1308	26.04
28	MU2	0.07768947	12	52	18.33	.1562	13.14
29	N2	0.07899925	12	39	30.05	1.0875	34.34
30	NU2	0.07920162	12	37	33.62	.2434	28.47
31	M2	0.08051140	12	25	14.16	6.4391	32.91
32	MKS2	0.08073957	12	23	07.80	.1685	162.92
33	LDA2	0.08182118	12	13	18.39	.0838	69.14
34	L2	0.08202355	12	11	29.83	.2502	27.39
35	S2	0.08333334	11	59	60.00	3.3529	38.22
36	K2	0.08356149	11	58	02.05	.9544	30.24
37	MSN2	0.08484548	11	47	10.07	.0452	274.43
38	ETA2	0.08507364	11	45	16.28	.1084	69.02
39	MO3	0.11924210	08	23	10.68	.0745	224.62
40	M3	0.12076710	08	16	49.44	.1980	120.72
41	SO3	0.12206400	08	11	32.73	.0531	207.79
42	MK3	0.12229210	08	10	37.72	.0376	41.50
43	SK3	0.12511410	07	59	33.74	.1104	76.49
44	MN4	0.15951060	06	16	09.03	.0554	46.62
45	M4	0.16102280	06	12	37.08	.0588	87.51
46	SN4	0.16233260	06	09	36.69	.0356	126.73
47	MS4	0.16384470	06	06	12.03	.0587	104.50
48	MK4	0.16407290	06	05	41.47	.0416	145.52
49	S4	0.16666670	05	59	60.00	.0257	135.46
50	SK4	0.16689480	05	59	30.47	.0457	236.00
51	2MK5	0.20280360	04	55	51.16	.0318	60.59
52	2SK5	0.20844740	04	47	50.54	.0222	305.48
53	2MN6	0.24002200	04	09	58.63	.0457	208.58
54	M6	0.24153420	04	08	24.72	.0243	275.45
55	2MS6	0.24435610	04	05	32.60	.0184	232.70
56	2MK6	0.24458430	04	05	18.85	.0061	291.86
57	2SM6	0.24717810	04	02	44.40	.0104	353.95
58	MSK6	0.24740620	04	02	30.97	.0069	349.20
59	3MK7	0.28331490	03	31	46.71	.0191	157.52
60	M8	0.32204560	03	06	18.54	.0238	51.75

Frequenza Ampiezza e Fase dei costituenti di marea

PortoEmpedocle

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				2.1834	180.00
2	SSA	0.00022816	4382	53	21.12	3.5920	357.65
3	MSM	0.00130978	763	29	13.19	.6794	74.70
4	MM	0.00151215	661	18	36.20	1.5990	226.96
5	MSF	0.00282193	354	22	02.64	1.2053	321.70
6	MF	0.00305009	327	51	33.04	.6163	227.41
7	ALP1	0.03439657	29	04	21.60	.0477	323.56
8	2Q1	0.03570635	28	00	22.40	.1145	9.80
9	SIG1	0.03590872	27	50	54.20	.0651	279.40
10	Q1	0.03721850	26	52	06.09	.1756	64.60
11	RHO1	0.03742087	26	43	23.00	.1689	311.99
12	O1	0.03873065	25	49	09.64	1.0301	51.82
13	TAU1	0.03895881	25	40	05.29	.1002	132.16
14	BET1	0.04004043	24	58	29.12	.2454	339.89
15	NO1	0.04026859	24	49	59.70	.3103	32.61
16	CHI1	0.04047097	24	42	32.65	.0490	268.35
17	P1	0.04155259	24	03	57.20	.4676	43.62
18	K1	0.04178075	23	56	04.08	1.7410	72.71
19	PHI1	0.04200891	23	48	16.11	.1110	62.21
20	THE1	0.04309053	23	12	25.04	.1693	107.92
21	J1	0.04329290	23	05	54.51	.0524	14.74
22	SO1	0.04460268	22	25	12.64	.1674	264.82
23	OO1	0.04483084	22	18	21.86	.1315	342.14
24	UPS1	0.04634299	21	34	41.65	.1412	28.23
25	OQ2	0.07597494	13	09	44.05	.0863	229.16
26	EPS2	0.07617731	13	07	38.17	.0918	214.89
27	2N2	0.07748710	12	54	19.35	.0914	94.08
28	MU2	0.07768947	12	52	18.33	.2466	80.68
29	N2	0.07899925	12	39	30.05	.7989	63.34
30	NU2	0.07920162	12	37	33.62	.1131	71.58
31	M2	0.08051140	12	25	14.16	4.8994	44.35
32	MKS2	0.08073957	12	23	07.80	.1223	191.22
33	LDA2	0.08182118	12	13	18.39	.1338	23.66
34	L2	0.08202355	12	11	29.83	.2821	42.86
35	S2	0.08333334	11	59	60.00	3.4957	40.53
36	K2	0.08356149	11	58	02.05	1.0675	29.46
37	MSN2	0.08484548	11	47	10.07	.1068	88.61
38	ETA2	0.08507364	11	45	16.28	.1620	140.38
39	MO3	0.11924210	08	23	10.68	.1389	341.86
40	M3	0.12076710	08	16	49.44	.0285	57.23
41	SO3	0.12206400	08	11	32.73	.0956	62.04
42	MK3	0.12229210	08	10	37.72	.0407	249.80
43	SK3	0.12511410	07	59	33.74	.1247	257.95
44	MN4	0.15951060	06	16	09.03	.2597	202.33
45	M4	0.16102280	06	12	37.08	.1679	225.97
46	SN4	0.16233260	06	09	36.69	.0459	328.27
47	MS4	0.16384470	06	06	12.03	.2486	260.76
48	MK4	0.16407290	06	05	41.47	.1245	232.47
49	S4	0.16666670	05	59	60.00	.0639	237.39
50	SK4	0.16689480	05	59	30.47	.0773	170.09
51	2MK5	0.20280360	04	55	51.16	.0641	304.34
52	2SK5	0.20844740	04	47	50.54	.1065	356.36
53	2MN6	0.24002200	04	09	58.63	.1305	175.08
54	M6	0.24153420	04	08	24.72	.0411	323.28
55	2MS6	0.24435610	04	05	32.60	.1103	308.38
56	2MK6	0.24458430	04	05	18.85	.1532	241.63
57	2SM6	0.24717810	04	02	44.40	.1395	78.00
58	MSK6	0.24740620	04	02	30.97	.0953	124.42
59	3MK7	0.28331490	03	31	46.71	.0921	131.45
60	M8	0.32204560	03	06	18.54	.0384	287.38

Frequenza Ampiezza e Fase dei costituenti di marea

Cagliari

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				19.2568	.00
2	SSA	0.00022816	4382	53	21.12	3.9061	5.94
3	MSM	0.00130978	763	29	13.19	.6916	52.86
4	MM	0.00151215	661	18	36.20	1.0702	173.68
5	MSF	0.00282193	354	22	02.64	1.0525	315.86
6	MF	0.00305009	327	51	33.04	.6373	251.21
7	ALP1	0.03439657	29	04	21.60	.0156	246.13
8	2Q1	0.03570635	28	00	22.40	.1650	322.74
9	SIG1	0.03590872	27	50	54.20	.0213	66.63
10	Q1	0.03721850	26	52	06.09	.2617	39.07
11	RHO1	0.03742087	26	43	23.00	.1264	331.64
12	O1	0.03873065	25	49	09.64	1.5738	94.48
13	TAU1	0.03895881	25	40	05.29	.0742	186.90
14	BET1	0.04004043	24	58	29.12	.1661	316.87
15	NO1	0.04026859	24	49	59.70	.2240	137.78
16	CHI1	0.04047097	24	42	32.65	.1318	279.44
17	P1	0.04155259	24	03	57.20	.8040	159.67
18	K1	0.04178075	23	56	04.08	2.9410	169.85
19	PHI1	0.04200891	23	48	16.11	.1263	189.27
20	THE1	0.04309053	23	12	25.04	.1610	98.78
21	J1	0.04329290	23	05	54.51	.0666	80.83
22	SO1	0.04460268	22	25	12.64	.0483	177.36
23	OO1	0.04483084	22	18	21.86	.0719	232.59
24	UPS1	0.04634299	21	34	41.65	.0715	307.74
25	OQ2	0.07597494	13	09	44.05	.0661	188.28
26	EPS2	0.07617731	13	07	38.17	.1009	218.29
27	2N2	0.07748710	12	54	19.35	.3520	169.53
28	MU2	0.07768947	12	52	18.33	.2863	162.04
29	N2	0.07899925	12	39	30.05	1.7907	191.94
30	NU2	0.07920162	12	37	33.62	.2786	189.61
31	M2	0.08051140	12	25	14.16	8.6810	206.27
32	MKS2	0.08073957	12	23	07.80	.0471	252.93
33	LDA2	0.08182118	12	13	18.39	.0598	59.81
34	L2	0.08202355	12	11	29.83	.1632	213.85
35	S2	0.08333334	11	59	60.00	3.0547	231.51
36	K2	0.08356149	11	58	02.05	.7670	221.25
37	MSN2	0.08484548	11	47	10.07	.0726	235.93
38	ETA2	0.08507364	11	45	16.28	.1005	327.45
39	MO3	0.11924210	08	23	10.68	.1607	38.59
40	M3	0.12076710	08	16	49.44	.1756	302.45
41	SO3	0.12206400	08	11	32.73	.0875	84.36
42	MK3	0.12229210	08	10	37.72	.0927	15.44
43	SK3	0.12511410	07	59	33.74	.1048	247.09
44	MN4	0.15951060	06	16	09.03	.0602	274.42
45	M4	0.16102280	06	12	37.08	.1274	137.51
46	SN4	0.16233260	06	09	36.69	.0520	135.58
47	MS4	0.16384470	06	06	12.03	.1115	83.94
48	MK4	0.16407290	06	05	41.47	.1912	189.41
49	S4	0.16666670	05	59	60.00	.0747	312.45
50	SK4	0.16689480	05	59	30.47	.1260	17.05
51	2MK5	0.20280360	04	55	51.16	.0427	224.18
52	2SK5	0.20844740	04	47	50.54	.1206	36.97
53	2MN6	0.24002200	04	09	58.63	.0487	52.75
54	M6	0.24153420	04	08	24.72	.0944	17.83
55	2MS6	0.24435610	04	05	32.60	.0249	40.21
56	2MK6	0.24458430	04	05	18.85	.0472	12.83
57	2SM6	0.24717810	04	02	44.40	.0281	177.77
58	MSK6	0.24740620	04	02	30.97	.0392	173.42
59	3MK7	0.28331490	03	31	46.71	.0224	26.81
60	M8	0.32204560	03	06	18.54	.0229	76.69

Frequenza Ampiezza e Fase dei costituenti di marea

Carloforte

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				17.9566	.00
2	SSA	0.00022816	4382	53	21.12	4.4082	22.32
3	MSM	0.00130978	763	29	13.19	.6997	34.81
4	MM	0.00151215	661	18	36.20	1.6825	179.48
5	MSF	0.00282193	354	22	02.64	1.0680	322.11
6	MF	0.00305009	327	51	33.04	.5113	223.30
7	ALP1	0.03439657	29	04	21.60	.0605	96.78
8	2Q1	0.03570635	28	00	22.40	.1469	333.26
9	SIG1	0.03590872	27	50	54.20	.0356	11.25
10	Q1	0.03721850	26	52	06.09	.0604	23.38
11	RHO1	0.03742087	26	43	23.00	.1008	312.52
12	O1	0.03873065	25	49	09.64	1.6802	98.30
13	TAU1	0.03895881	25	40	05.29	.1140	167.76
14	BET1	0.04004043	24	58	29.12	.1913	299.83
15	NO1	0.04026859	24	49	59.70	.2971	147.10
16	CHI1	0.04047097	24	42	32.65	.2123	283.60
17	P1	0.04155259	24	03	57.20	1.1608	161.69
18	K1	0.04178075	23	56	04.08	3.6829	169.60
19	PHI1	0.04200891	23	48	16.11	.1278	185.48
20	THE1	0.04309053	23	12	25.04	.1568	122.61
21	J1	0.04329290	23	05	54.51	.0688	211.05
22	SO1	0.04460268	22	25	12.64	.0188	29.12
23	OO1	0.04483084	22	18	21.86	.0460	185.67
24	UPS1	0.04634299	21	34	41.65	.1540	138.66
25	OQ2	0.07597494	13	09	44.05	.0761	166.13
26	EPS2	0.07617731	13	07	38.17	.0803	128.85
27	2N2	0.07748710	12	54	19.35	.1998	171.26
28	MU2	0.07768947	12	52	18.33	.2005	168.07
29	N2	0.07899925	12	39	30.05	1.4032	191.38
30	NU2	0.07920162	12	37	33.62	.2199	194.05
31	M2	0.08051140	12	25	14.16	6.8651	202.50
32	MKS2	0.08073957	12	23	07.80	.0506	217.46
33	LDA2	0.08182118	12	13	18.39	.0555	225.21
34	L2	0.08202355	12	11	29.83	.1849	214.12
35	S2	0.08333334	11	59	60.00	2.7192	220.97
36	K2	0.08356149	11	58	02.05	.8011	216.38
37	MSN2	0.08484548	11	47	10.07	.0404	133.74
38	ETA2	0.08507364	11	45	16.28	.0756	186.87
39	MO3	0.11924210	08	23	10.68	.0574	166.88
40	M3	0.12076710	08	16	49.44	.0581	111.56
41	SO3	0.12206400	08	11	32.73	.0497	161.11
42	MK3	0.12229210	08	10	37.72	.0727	266.28
43	SK3	0.12511410	07	59	33.74	.0557	60.45
44	MN4	0.15951060	06	16	09.03	.1506	239.22
45	M4	0.16102280	06	12	37.08	.3724	271.75
46	SN4	0.16233260	06	09	36.69	.0456	313.38
47	MS4	0.16384470	06	06	12.03	.2622	333.76
48	MK4	0.16407290	06	05	41.47	.1178	306.03
49	S4	0.16666670	05	59	60.00	.0661	179.40
50	SK4	0.16689480	05	59	30.47	.0527	141.34
51	2MK5	0.20280360	04	55	51.16	.0343	319.74
52	2SK5	0.20844740	04	47	50.54	.0434	314.26
53	2MN6	0.24002200	04	09	58.63	.0421	323.57
54	M6	0.24153420	04	08	24.72	.0135	188.70
55	2MS6	0.24435610	04	05	32.60	.0466	44.34
56	2MK6	0.24458430	04	05	18.85	.0265	31.21
57	2SM6	0.24717810	04	02	44.40	.0212	22.75
58	MSK6	0.24740620	04	02	30.97	.0392	350.99
59	3MK7	0.28331490	03	31	46.71	.0640	132.38
60	M8	0.32204560	03	06	18.54	.0352	198.65

Frequenza Ampiezza e Fase dei costituenti di marea

Porto Torres

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				20.6334	.00
2	SSA	0.00022816	4382	53	21.12	4.3646	16.56
3	MSM	0.00130978	763	29	13.19	.4126	31.98
4	MM	0.00151215	661	18	36.20	1.4567	184.25
5	MSF	0.00282193	354	22	02.64	.5929	332.86
6	MF	0.00305009	327	51	33.04	.8892	224.45
7	ALP1	0.03439657	29	04	21.60	.0190	3.54
8	2Q1	0.03570635	28	00	22.40	.1617	320.71
9	SIG1	0.03590872	27	50	54.20	.0792	307.99
10	Q1	0.03721850	26	52	06.09	.1023	3.93
11	RHO1	0.03742087	26	43	23.00	.1456	355.07
12	O1	0.03873065	25	49	09.64	1.6464	109.32
13	TAU1	0.03895881	25	40	05.29	.1593	199.75
14	BET1	0.04004043	24	58	29.12	.1410	313.11
15	NO1	0.04026859	24	49	59.70	.2774	160.66
16	CHI1	0.04047097	24	42	32.65	.1554	277.21
17	P1	0.04155259	24	03	57.20	1.1558	178.34
18	K1	0.04178075	23	56	04.08	3.4375	184.23
19	PHI1	0.04200891	23	48	16.11	.1932	186.50
20	THE1	0.04309053	23	12	25.04	.1289	177.08
21	J1	0.04329290	23	05	54.51	.1154	198.46
22	SO1	0.04460268	22	25	12.64	.1271	2.79
23	OO1	0.04483084	22	18	21.86	.1284	210.48
24	UPS1	0.04634299	21	34	41.65	.1746	125.05
25	OQ2	0.07597494	13	09	44.05	.0470	284.31
26	EPS2	0.07617731	13	07	38.17	.0450	199.14
27	2N2	0.07748710	12	54	19.35	.1906	201.05
28	MU2	0.07768947	12	52	18.33	.1653	204.56
29	N2	0.07899925	12	39	30.05	1.3787	205.71
30	NU2	0.07920162	12	37	33.62	.2251	223.96
31	M2	0.08051140	12	25	14.16	7.0210	218.58
32	MKS2	0.08073957	12	23	07.80	.3619	213.86
33	LDA2	0.08182118	12	13	18.39	.0760	240.60
34	L2	0.08202355	12	11	29.83	.1771	232.13
35	S2	0.08333334	11	59	60.00	2.7522	237.73
36	K2	0.08356149	11	58	02.05	.9957	234.11
37	MSN2	0.08484548	11	47	10.07	.0211	118.22
38	ETA2	0.08507364	11	45	16.28	.0691	214.82
39	MO3	0.11924210	08	23	10.68	.0137	293.80
40	M3	0.12076710	08	16	49.44	.0847	166.20
41	SO3	0.12206400	08	11	32.73	.0238	1.12
42	MK3	0.12229210	08	10	37.72	.0292	142.39
43	SK3	0.12511410	07	59	33.74	.0899	122.91
44	MN4	0.15951060	06	16	09.03	.1610	277.77
45	M4	0.16102280	06	12	37.08	.4426	316.56
46	SN4	0.16233260	06	09	36.69	.0462	345.24
47	MS4	0.16384470	06	06	12.03	.3050	23.64
48	MK4	0.16407290	06	05	41.47	.1188	25.16
49	S4	0.16666670	05	59	60.00	.0219	223.86
50	SK4	0.16689480	05	59	30.47	.0355	263.17
51	2MK5	0.20280360	04	55	51.16	.0341	259.40
52	2SK5	0.20844740	04	47	50.54	.0047	193.55
53	2MN6	0.24002200	04	09	58.63	.0019	345.21
54	M6	0.24153420	04	08	24.72	.0212	296.90
55	2MS6	0.24435610	04	05	32.60	.0072	98.57
56	2MK6	0.24458430	04	05	18.85	.0220	337.00
57	2SM6	0.24717810	04	02	44.40	.0131	186.98
58	MSK6	0.24740620	04	02	30.97	.0057	76.02
59	3MK7	0.28331490	03	31	46.71	.0083	111.60
60	M8	0.32204560	03	06	18.54	.0053	293.11

Frequenza Ampiezza e Fase dei costituenti di marea

Lampedusa

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				10.6869	.00
2	SSA	0.00022816	4382	53	21.12	3.8872	19.60
3	MSM	0.00130978	763	29	13.19	1.1241	60.96
4	MM	0.00151215	661	18	36.20	1.2459	221.48
5	MSF	0.00282193	354	22	02.64	1.2935	296.10
6	MF	0.00305009	327	51	33.04	.5992	287.15
7	ALP1	0.03439657	29	04	21.60	.0303	2.73
8	2Q1	0.03570635	28	00	22.40	.0762	68.47
9	SIG1	0.03590872	27	50	54.20	.1381	32.19
10	Q1	0.03721850	26	52	06.09	.2271	47.46
11	RHO1	0.03742087	26	43	23.00	.0670	345.15
12	O1	0.03873065	25	49	09.64	.7148	57.03
13	TAU1	0.03895881	25	40	05.29	.0189	200.23
14	BET1	0.04004043	24	58	29.12	.0630	49.43
15	NO1	0.04026859	24	49	59.70	.0838	269.67
16	CHI1	0.04047097	24	42	32.65	.0875	119.19
17	P1	0.04155259	24	03	57.20	.1341	333.60
18	K1	0.04178075	23	56	04.08	.6862	341.39
19	PHI1	0.04200891	23	48	16.11	.0849	304.16
20	THE1	0.04309053	23	12	25.04	.1252	56.73
21	J1	0.04329290	23	05	54.51	.0683	12.12
22	SO1	0.04460268	22	25	12.64	.1161	243.73
23	OO1	0.04483084	22	18	21.86	.1333	322.71
24	UPS1	0.04634299	21	34	41.65	.0774	175.78
25	OQ2	0.07597494	13	09	44.05	.0459	61.89
26	EPS2	0.07617731	13	07	38.17	.0230	154.69
27	2N2	0.07748710	12	54	19.35	.1523	54.78
28	MU2	0.07768947	12	52	18.33	.1540	59.26
29	N2	0.07899925	12	39	30.05	1.1093	19.32
30	NU2	0.07920162	12	37	33.62	.2330	4.54
31	M2	0.08051140	12	25	14.16	7.6637	13.82
32	MKS2	0.08073957	12	23	07.80	.1057	137.03
33	LDA2	0.08182118	12	13	18.39	.1599	8.00
34	L2	0.08202355	12	11	29.83	.3204	20.83
35	S2	0.08333334	11	59	60.00	5.0913	28.35
36	K2	0.08356149	11	58	02.05	1.4599	25.63
37	MSN2	0.08484548	11	47	10.07	.0673	201.18
38	ETA2	0.08507364	11	45	16.28	.0912	264.40
39	MO3	0.11924210	08	23	10.68	.0217	257.69
40	M3	0.12076710	08	16	49.44	.0345	165.23
41	SO3	0.12206400	08	11	32.73	.0148	235.17
42	MK3	0.12229210	08	10	37.72	.0530	268.32
43	SK3	0.12511410	07	59	33.74	.1646	310.32
44	MN4	0.15951060	06	16	09.03	.1199	186.65
45	M4	0.16102280	06	12	37.08	.2367	220.51
46	SN4	0.16233260	06	09	36.69	.0296	74.81
47	MS4	0.16384470	06	06	12.03	.2460	274.25
48	MK4	0.16407290	06	05	41.47	.0887	262.60
49	S4	0.16666670	05	59	60.00	.0259	273.51
50	SK4	0.16689480	05	59	30.47	.0322	215.22
51	2MK5	0.20280360	04	55	51.16	.0612	267.43
52	2SK5	0.20844740	04	47	50.54	.0103	282.84
53	2MN6	0.24002200	04	09	58.63	.0642	11.43
54	M6	0.24153420	04	08	24.72	.0527	269.22
55	2MS6	0.24435610	04	05	32.60	.0606	32.61
56	2MK6	0.24458430	04	05	18.85	.0467	74.73
57	2SM6	0.24717810	04	02	44.40	.0537	336.54
58	MSK6	0.24740620	04	02	30.97	.0443	129.78
59	3MK7	0.28331490	03	31	46.71	.0603	60.58
60	M8	0.32204560	03	06	18.54	.0329	218.79

Frequenza Ampiezza e Fase dei costituenti di marea

San Benedetto

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				5.6957	.00
2	SSA	0.00022816	4382	53	21.12	2.3338	23.14
3	MSM	0.00130978	763	29	13.19	.6803	25.93
4	MM	0.00151215	661	18	36.20	1.2440	132.68
5	MSF	0.00282193	354	22	02.64	.2689	345.52
6	MF	0.00305009	327	51	33.04	1.2586	255.03
7	ALP1	0.03439657	29	04	21.60	.2702	178.24
8	2Q1	0.03570635	28	00	22.40	.2455	53.88
9	SIG1	0.03590872	27	50	54.20	.1695	177.05
10	Q1	0.03721850	26	52	06.09	.6084	68.14
11	RHO1	0.03742087	26	43	23.00	.1164	348.58
12	O1	0.03873065	25	49	09.64	3.1281	44.17
13	TAU1	0.03895881	25	40	05.29	.1630	345.12
14	BET1	0.04004043	24	58	29.12	.3848	96.79
15	NO1	0.04026859	24	49	59.70	.4055	31.65
16	CHI1	0.04047097	24	42	32.65	.2845	106.29
17	P1	0.04155259	24	03	57.20	2.6970	50.15
18	K1	0.04178075	23	56	04.08	9.4675	56.68
19	PHI1	0.04200891	23	48	16.11	.2451	86.54
20	THE1	0.04309053	23	12	25.04	.1805	347.85
21	J1	0.04329290	23	05	54.51	.3383	69.15
22	SO1	0.04460268	22	25	12.64	.1169	41.71
23	OO1	0.04483084	22	18	21.86	.3637	99.75
24	UPS1	0.04634299	21	34	41.65	1.1166	158.61
25	OQ2	0.07597494	13	09	44.05	.0375	179.04
26	EPS2	0.07617731	13	07	38.17	.0048	260.79
27	2N2	0.07748710	12	54	19.35	.1394	50.79
28	MU2	0.07768947	12	52	18.33	.0848	50.61
29	N2	0.07899925	12	39	30.05	.8763	13.94
30	NU2	0.07920162	12	37	33.62	.2191	15.02
31	M2	0.08051140	12	25	14.16	5.8581	19.78
32	MKS2	0.08073957	12	23	07.80	.0999	191.36
33	LDA2	0.08182118	12	13	18.39	.1295	18.79
34	L2	0.08202355	12	11	29.83	.3191	4.05
35	S2	0.08333334	11	59	60.00	4.2372	30.76
36	K2	0.08356149	11	58	02.05	1.3223	26.86
37	MSN2	0.08484548	11	47	10.07	.0922	270.50
38	ETA2	0.08507364	11	45	16.28	.0832	84.71
39	MO3	0.11924210	08	23	10.68	.1078	89.40
40	M3	0.12076710	08	16	49.44	.2845	301.80
41	SO3	0.12206400	08	11	32.73	.1719	77.55
42	MK3	0.12229210	08	10	37.72	.0371	324.97
43	SK3	0.12511410	07	59	33.74	.1769	258.48
44	MN4	0.15951060	06	16	09.03	.0771	289.36
45	M4	0.16102280	06	12	37.08	.0333	266.88
46	SN4	0.16233260	06	09	36.69	.0999	173.07
47	MS4	0.16384470	06	06	12.03	.0618	255.92
48	MK4	0.16407290	06	05	41.47	.0807	250.51
49	S4	0.16666670	05	59	60.00	.0131	292.20
50	SK4	0.16689480	05	59	30.47	.0603	211.23
51	2MK5	0.20280360	04	55	51.16	.0669	297.42
52	2SK5	0.20844740	04	47	50.54	.0682	99.54
53	2MN6	0.24002200	04	09	58.63	.0597	75.52
54	M6	0.24153420	04	08	24.72	.0114	90.60
55	2MS6	0.24435610	04	05	32.60	.0947	108.30
56	2MK6	0.24458430	04	05	18.85	.0737	16.28
57	2SM6	0.24717810	04	02	44.40	.1252	169.49
58	MSK6	0.24740620	04	02	30.97	.1087	109.82
59	3MK7	0.28331490	03	31	46.71	.0304	74.74
60	M8	0.32204560	03	06	18.54	.0584	320.36

Frequenza Ampiezza e Fase dei costituenti di marea

Gaeta

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				1.3471	180.00
2	SSA	0.00022816	4382	53	21.12	4.4390	6.11
3	MSM	0.00130978	763	29	13.19	.1029	17.38
4	MM	0.00151215	661	18	36.20	.9511	162.72
5	MSF	0.00282193	354	22	02.64	.6481	311.14
6	MF	0.00305009	327	51	33.04	.6127	246.55
7	ALP1	0.03439657	29	04	21.60	.1075	148.63
8	2Q1	0.03570635	28	00	22.40	.0380	296.49
9	SIG1	0.03590872	27	50	54.20	.0347	339.05
10	Q1	0.03721850	26	52	06.09	.1553	8.79
11	RHO1	0.03742087	26	43	23.00	.1399	1.42
12	O1	0.03873065	25	49	09.64	.9185	99.19
13	TAU1	0.03895881	25	40	05.29	.0479	214.09
14	BET1	0.04004043	24	58	29.12	.1855	331.65
15	NO1	0.04026859	24	49	59.70	.1855	142.77
16	CHI1	0.04047097	24	42	32.65	.1233	251.56
17	P1	0.04155259	24	03	57.20	.9193	177.25
18	K1	0.04178075	23	56	04.08	2.7435	188.35
19	PHI1	0.04200891	23	48	16.11	.1116	136.42
20	THE1	0.04309053	23	12	25.04	.1277	147.11
21	J1	0.04329290	23	05	54.51	.1104	185.42
22	SO1	0.04460268	22	25	12.64	.1295	297.79
23	OO1	0.04483084	22	18	21.86	.0943	272.86
24	UPS1	0.04634299	21	34	41.65	.1260	95.05
25	OQ2	0.07597494	13	09	44.05	.0848	240.53
26	EPS2	0.07617731	13	07	38.17	.0724	164.12
27	2N2	0.07748710	12	54	19.35	.3360	185.12
28	MU2	0.07768947	12	52	18.33	.3765	178.12
29	N2	0.07899925	12	39	30.05	2.3968	193.85
30	NU2	0.07920162	12	37	33.62	.5198	202.61
31	M2	0.08051140	12	25	14.16	11.6282	209.77
32	MKS2	0.08073957	12	23	07.80	.5264	134.15
33	LDA2	0.08182118	12	13	18.39	.0745	292.82
34	L2	0.08202355	12	11	29.83	.2277	237.84
35	S2	0.08333334	11	59	60.00	4.3233	229.53
36	K2	0.08356149	11	58	02.05	1.2487	216.43
37	MSN2	0.08484548	11	47	10.07	.0462	176.15
38	ETA2	0.08507364	11	45	16.28	.1478	287.64
39	MO3	0.11924210	08	23	10.68	.2598	63.96
40	M3	0.12076710	08	16	49.44	.4064	316.35
41	SO3	0.12206400	08	11	32.73	.1148	93.02
42	MK3	0.12229210	08	10	37.72	.0730	33.48
43	SK3	0.12511410	07	59	33.74	.2330	279.82
44	MN4	0.15951060	06	16	09.03	.1497	63.62
45	M4	0.16102280	06	12	37.08	.3828	98.08
46	SN4	0.16233260	06	09	36.69	.0514	131.80
47	MS4	0.16384470	06	06	12.03	.2411	154.34
48	MK4	0.16407290	06	05	41.47	.0841	138.09
49	S4	0.16666670	05	59	60.00	.0596	63.17
50	SK4	0.16689480	05	59	30.47	.0176	38.28
51	2MK5	0.20280360	04	55	51.16	.0154	180.97
52	2SK5	0.20844740	04	47	50.54	.0258	359.94
53	2MN6	0.24002200	04	09	58.63	.0060	46.94
54	M6	0.24153420	04	08	24.72	.0109	67.46
55	2MS6	0.24435610	04	05	32.60	.0434	315.20
56	2MK6	0.24458430	04	05	18.85	.0206	298.73
57	2SM6	0.24717810	04	02	44.40	.0034	14.35
58	MSK6	0.24740620	04	02	30.97	.0389	215.15
59	3MK7	0.28331490	03	31	46.71	.0327	238.51
60	M8	0.32204560	03	06	18.54	.0089	277.97

Frequenza Ampiezza e Fase dei costituenti di marea

La Spezia

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				11.6766	.00
2	SSA	0.00022816	4382	53	21.12	4.6229	11.65
3	MSM	0.00130978	763	29	13.19	.9078	320.83
4	MM	0.00151215	661	18	36.20	1.1755	183.22
5	MSF	0.00282193	354	22	02.64	.6196	45.23
6	MF	0.00305009	327	51	33.04	1.2809	201.13
7	ALP1	0.03439657	29	04	21.60	.1047	202.54
8	2Q1	0.03570635	28	00	22.40	.0298	160.60
9	SIG1	0.03590872	27	50	54.20	.1983	260.02
10	Q1	0.03721850	26	52	06.09	.3418	37.76
11	RHO1	0.03742087	26	43	23.00	.2237	350.33
12	O1	0.03873065	25	49	09.64	1.3916	104.37
13	TAU1	0.03895881	25	40	05.29	.1186	313.65
14	BET1	0.04004043	24	58	29.12	.2801	5.43
15	NO1	0.04026859	24	49	59.70	.3808	153.52
16	CHI1	0.04047097	24	42	32.65	.1252	271.78
17	P1	0.04155259	24	03	57.20	.9639	190.93
18	K1	0.04178075	23	56	04.08	3.0735	186.76
19	PHI1	0.04200891	23	48	16.11	.3457	184.48
20	THE1	0.04309053	23	12	25.04	.1537	157.89
21	J1	0.04329290	23	05	54.51	.1165	251.71
22	SO1	0.04460268	22	25	12.64	.2540	357.07
23	OO1	0.04483084	22	18	21.86	.2655	207.91
24	UPS1	0.04634299	21	34	41.65	.1741	89.70
25	OQ2	0.07597494	13	09	44.05	.1075	322.39
26	EPS2	0.07617731	13	07	38.17	.0244	150.28
27	2N2	0.07748710	12	54	19.35	.2016	209.15
28	MU2	0.07768947	12	52	18.33	.1601	180.33
29	N2	0.07899925	12	39	30.05	1.4529	197.92
30	NU2	0.07920162	12	37	33.62	.2439	167.55
31	M2	0.08051140	12	25	14.16	6.9494	209.00
32	MKS2	0.08073957	12	23	07.80	1.2608	234.72
33	LDA2	0.08182118	12	13	18.39	.0614	349.83
34	L2	0.08202355	12	11	29.83	.0966	247.77
35	S2	0.08333334	11	59	60.00	2.6530	223.55
36	K2	0.08356149	11	58	02.05	1.2125	235.98
37	MSN2	0.08484548	11	47	10.07	.0396	346.87
38	ETA2	0.08507364	11	45	16.28	.1306	351.29
39	MO3	0.11924210	08	23	10.68	.0583	36.04
40	M3	0.12076710	08	16	49.44	.0556	132.26
41	SO3	0.12206400	08	11	32.73	.1633	314.10
42	MK3	0.12229210	08	10	37.72	.0873	331.07
43	SK3	0.12511410	07	59	33.74	.0707	115.19
44	MN4	0.15951060	06	16	09.03	.1530	263.11
45	M4	0.16102280	06	12	37.08	.4302	307.04
46	SN4	0.16233260	06	09	36.69	.0869	308.07
47	MS4	0.16384470	06	06	12.03	.3651	4.65
48	MK4	0.16407290	06	05	41.47	.0486	22.30
49	S4	0.16666670	05	59	60.00	.0171	208.03
50	SK4	0.16689480	05	59	30.47	.1116	213.58
51	2MK5	0.20280360	04	55	51.16	.0127	23.73
52	2SK5	0.20844740	04	47	50.54	.0111	179.53
53	2MN6	0.24002200	04	09	58.63	.0388	32.26
54	M6	0.24153420	04	08	24.72	.0435	12.59
55	2MS6	0.24435610	04	05	32.60	.0588	75.95
56	2MK6	0.24458430	04	05	18.85	.0246	182.20
57	2SM6	0.24717810	04	02	44.40	.0287	155.65
58	MSK6	0.24740620	04	02	30.97	.0156	282.32
59	3MK7	0.28331490	03	31	46.71	.0328	177.61
60	M8	0.32204560	03	06	18.54	.0133	262.12

Frequenza Ampiezza e Fase dei costituenti di marea

Ginotra

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				6.6490	180.00
2	SSA	0.00022816	4382	53	21.12	6.4390	99.66
3	MSM	0.00130978	763	29	13.19	1.1976	356.98
4	MM	0.00151215	661	18	36.20	1.2631	181.47
5	MSF	0.00282193	354	22	02.64	1.6111	300.25
6	MF	0.00305009	327	51	33.04	.6847	274.53
7	ALP1	0.03439657	29	04	21.60	.1288	111.97
8	2Q1	0.03570635	28	00	22.40	.2098	318.84
9	SIG1	0.03590872	27	50	54.20	.0966	293.80
10	Q1	0.03721850	26	52	06.09	.2133	351.75
11	RHO1	0.03742087	26	43	23.00	.0951	279.80
12	O1	0.03873065	25	49	09.64	.7493	107.82
13	TAU1	0.03895881	25	40	05.29	.0650	271.94
14	BET1	0.04004043	24	58	29.12	.1487	338.21
15	NO1	0.04026859	24	49	59.70	.0581	254.95
16	CHI1	0.04047097	24	42	32.65	.2495	250.89
17	P1	0.04155259	24	03	57.20	.9813	183.09
18	K1	0.04178075	23	56	04.08	2.8146	187.96
19	PHI1	0.04200891	23	48	16.11	.2130	138.09
20	THE1	0.04309053	23	12	25.04	.0368	232.98
21	J1	0.04329290	23	05	54.51	.2216	216.32
22	SO1	0.04460268	22	25	12.64	.1312	300.38
23	OO1	0.04483084	22	18	21.86	.1678	70.85
24	UPS1	0.04634299	21	34	41.65	.1741	73.67
25	OQ2	0.07597494	13	09	44.05	.0925	107.27
26	EPS2	0.07617731	13	07	38.17	.0397	122.41
27	2N2	0.07748710	12	54	19.35	.2628	153.99
28	MU2	0.07768947	12	52	18.33	.3132	160.53
29	N2	0.07899925	12	39	30.05	2.0210	193.60
30	NU2	0.07920162	12	37	33.62	.3783	203.24
31	M2	0.08051140	12	25	14.16	11.1512	206.55
32	MKS2	0.08073957	12	23	07.80	.2916	203.73
33	LDA2	0.08182118	12	13	18.39	.2677	211.66
34	L2	0.08202355	12	11	29.83	.5147	199.34
35	S2	0.08333334	11	59	60.00	4.1506	225.43
36	K2	0.08356149	11	58	02.05	1.3423	220.72
37	MSN2	0.08484548	11	47	10.07	.0704	307.76
38	ETA2	0.08507364	11	45	16.28	.1452	153.68
39	MO3	0.11924210	08	23	10.68	.3090	44.69
40	M3	0.12076710	08	16	49.44	.4143	310.45
41	SO3	0.12206400	08	11	32.73	.0688	171.21
42	MK3	0.12229210	08	10	37.72	.0554	190.91
43	SK3	0.12511410	07	59	33.74	.1424	242.62
44	MN4	0.15951060	06	16	09.03	.1692	39.80
45	M4	0.16102280	06	12	37.08	.3079	91.21
46	SN4	0.16233260	06	09	36.69	.0324	23.74
47	MS4	0.16384470	06	06	12.03	.2707	125.49
48	MK4	0.16407290	06	05	41.47	.1313	134.51
49	S4	0.16666670	05	59	60.00	.0962	286.79
50	SK4	0.16689480	05	59	30.47	.1350	14.20
51	2MK5	0.20280360	04	55	51.16	.1767	47.99
52	2SK5	0.20844740	04	47	50.54	.0286	155.66
53	2MN6	0.24002200	04	09	58.63	.0851	54.18
54	M6	0.24153420	04	08	24.72	.0920	86.69
55	2MS6	0.24435610	04	05	32.60	.1639	202.29
56	2MK6	0.24458430	04	05	18.85	.1055	13.77
57	2SM6	0.24717810	04	02	44.40	.0639	328.38
58	MSK6	0.24740620	04	02	30.97	.1007	271.75
59	3MK7	0.28331490	03	31	46.71	.0539	187.35
60	M8	0.32204560	03	06	18.54	.0712	323.35

Frequenza Ampiezza e Fase dei costituenti di marea

Ponza

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				7.0771	180.00
2	SSA	0.00022816	4382	53	21.12	3.7516	359.65
3	MSM	0.00130978	763	29	13.19	.4426	35.88
4	MM	0.00151215	661	18	36.20	.9838	152.79
5	MSF	0.00282193	354	22	02.64	.9313	315.58
6	MF	0.00305009	327	51	33.04	.8344	244.13
7	ALP1	0.03439657	29	04	21.60	.0711	139.32
8	2Q1	0.03570635	28	00	22.40	.1055	303.42
9	SIG1	0.03590872	27	50	54.20	.0540	357.24
10	Q1	0.03721850	26	52	06.09	.1383	3.11
11	RHO1	0.03742087	26	43	23.00	.1488	352.19
12	O1	0.03873065	25	49	09.64	1.0333	97.00
13	TAU1	0.03895881	25	40	05.29	.0613	220.24
14	BET1	0.04004043	24	58	29.12	.1721	318.50
15	NO1	0.04026859	24	49	59.70	.1640	159.49
16	CHI1	0.04047097	24	42	32.65	.1552	271.11
17	P1	0.04155259	24	03	57.20	.9844	169.16
18	K1	0.04178075	23	56	04.08	2.7655	183.18
19	PHI1	0.04200891	23	48	16.11	.0890	177.13
20	THE1	0.04309053	23	12	25.04	.1839	120.52
21	J1	0.04329290	23	05	54.51	.0815	200.33
22	SO1	0.04460268	22	25	12.64	.1519	295.28
23	OO1	0.04483084	22	18	21.86	.0873	210.65
24	UPS1	0.04634299	21	34	41.65	.1607	108.25
25	OQ2	0.07597494	13	09	44.05	.0451	199.04
26	EPS2	0.07617731	13	07	38.17	.0890	145.89
27	2N2	0.07748710	12	54	19.35	.3421	169.87
28	MU2	0.07768947	12	52	18.33	.3879	166.15
29	N2	0.07899925	12	39	30.05	2.2988	188.66
30	NU2	0.07920162	12	37	33.62	.4212	191.21
31	M2	0.08051140	12	25	14.16	11.4675	203.85
32	MKS2	0.08073957	12	23	07.80	.1929	189.28
33	LDA2	0.08182118	12	13	18.39	.0171	138.66
34	L2	0.08202355	12	11	29.83	.2716	218.06
35	S2	0.08333334	11	59	60.00	4.2646	223.83
36	K2	0.08356149	11	58	02.05	1.1641	219.76
37	MSN2	0.08484548	11	47	10.07	.0277	189.66
38	ETA2	0.08507364	11	45	16.28	.0905	244.08
39	MO3	0.11924210	08	23	10.68	.2806	51.48
40	M3	0.12076710	08	16	49.44	.4080	310.25
41	SO3	0.12206400	08	11	32.73	.0846	60.99
42	MK3	0.12229210	08	10	37.72	.0459	51.08
43	SK3	0.12511410	07	59	33.74	.2160	263.55
44	MN4	0.15951060	06	16	09.03	.1452	43.06
45	M4	0.16102280	06	12	37.08	.3573	85.79
46	SN4	0.16233260	06	09	36.69	.0433	120.76
47	MS4	0.16384470	06	06	12.03	.2078	142.07
48	MK4	0.16407290	06	05	41.47	.0590	140.81
49	S4	0.16666670	05	59	60.00	.0438	62.03
50	SK4	0.16689480	05	59	30.47	.0066	261.49
51	2MK5	0.20280360	04	55	51.16	.0291	303.02
52	2SK5	0.20844740	04	47	50.54	.0148	107.00
53	2MN6	0.24002200	04	09	58.63	.0154	327.85
54	M6	0.24153420	04	08	24.72	.0419	2.77
55	2MS6	0.24435610	04	05	32.60	.0407	7.55
56	2MK6	0.24458430	04	05	18.85	.0101	309.77
57	2SM6	0.24717810	04	02	44.40	.0028	305.71
58	MSK6	0.24740620	04	02	30.97	.0034	334.49
59	3MK7	0.28331490	03	31	46.71	.0057	285.78
60	M8	0.32204560	03	06	18.54	.0063	278.26

Frequenza Ampiezza e Fase dei costituenti di marea

Marina di Campo

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				2.2585	360.00
2	SSA	0.00022816	4382	53	21.12	4.7438	6.86
3	MSM	0.00130978	763	29	13.19	.4735	332.58
4	MM	0.00151215	661	18	36.20	1.0611	176.31
5	MSF	0.00282193	354	22	02.64	.3576	338.55
6	MF	0.00305009	327	51	33.04	1.0229	216.81
7	ALP1	0.03439657	29	04	21.60	.0654	141.19
8	2Q1	0.03570635	28	00	22.40	.0748	6.35
9	SIG1	0.03590872	27	50	54.20	.0740	325.99
10	Q1	0.03721850	26	52	06.09	.2447	44.06
11	RHO1	0.03742087	26	43	23.00	.1211	339.09
12	O1	0.03873065	25	49	09.64	1.4747	89.90
13	TAU1	0.03895881	25	40	05.29	.0787	202.86
14	BET1	0.04004043	24	58	29.12	.1363	321.41
15	NO1	0.04026859	24	49	59.70	.1932	154.80
16	CHI1	0.04047097	24	42	32.65	.1543	249.41
17	P1	0.04155259	24	03	57.20	.8746	154.73
18	K1	0.04178075	23	56	04.08	2.6746	167.21
19	PHI1	0.04200891	23	48	16.11	.1175	203.09
20	THE1	0.04309053	23	12	25.04	.1969	127.84
21	J1	0.04329290	23	05	54.51	.0377	150.59
22	SO1	0.04460268	22	25	12.64	.1456	304.59
23	OO1	0.04483084	22	18	21.86	.1337	167.69
24	UPS1	0.04634299	21	34	41.65	.2244	59.71
25	OQ2	0.07597494	13	09	44.05	.0605	172.58
26	EPS2	0.07617731	13	07	38.17	.0873	163.00
27	2N2	0.07748710	12	54	19.35	.3043	176.10
28	MU2	0.07768947	12	52	18.33	.3828	170.94
29	N2	0.07899925	12	39	30.05	2.2524	187.22
30	NU2	0.07920162	12	37	33.62	.4835	187.56
31	M2	0.08051140	12	25	14.16	10.7265	200.95
32	MKS2	0.08073957	12	23	07.80	.2573	93.44
33	LDA2	0.08182118	12	13	18.39	.0518	224.75
34	L2	0.08202355	12	11	29.83	.2574	215.33
35	S2	0.08333334	11	59	60.00	3.9112	219.76
36	K2	0.08356149	11	58	02.05	1.0207	208.78
37	MSN2	0.08484548	11	47	10.07	.0107	356.59
38	ETA2	0.08507364	11	45	16.28	.1014	251.51
39	MO3	0.11924210	08	23	10.68	.2281	67.43
40	M3	0.12076710	08	16	49.44	.3202	320.01
41	SO3	0.12206400	08	11	32.73	.0751	69.85
42	MK3	0.12229210	08	10	37.72	.0543	59.11
43	SK3	0.12511410	07	59	33.74	.1867	272.40
44	MN4	0.15951060	06	16	09.03	.0514	31.53
45	M4	0.16102280	06	12	37.08	.0778	89.83
46	SN4	0.16233260	06	09	36.69	.0079	117.33
47	MS4	0.16384470	06	06	12.03	.0631	136.69
48	MK4	0.16407290	06	05	41.47	.0102	134.88
49	S4	0.16666670	05	59	60.00	.0500	100.68
50	SK4	0.16689480	05	59	30.47	.0235	111.64
51	2MK5	0.20280360	04	55	51.16	.0322	205.39
52	2SK5	0.20844740	04	47	50.54	.0261	303.20
53	2MN6	0.24002200	04	09	58.63	.0193	85.36
54	M6	0.24153420	04	08	24.72	.0326	.53
55	2MS6	0.24435610	04	05	32.60	.0380	35.09
56	2MK6	0.24458430	04	05	18.85	.0134	35.15
57	2SM6	0.24717810	04	02	44.40	.0179	104.02
58	MSK6	0.24740620	04	02	30.97	.0236	11.39
59	3MK7	0.28331490	03	31	46.71	.0364	156.62
60	M8	0.32204560	03	06	18.54	.0153	69.67

Frequenza Ampiezza e Fase dei costituenti di marea

Anzio

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				2.9500	.00
2	SSA	0.00022816	4382	53	21.12	4.7283	6.78
3	MSM	0.00130978	763	29	13.19	.2467	305.56
4	MM	0.00151215	661	18	36.20	.9823	180.23
5	MSF	0.00282193	354	22	02.64	.6502	318.67
6	MF	0.00305009	327	51	33.04	.6340	217.20
7	ALP1	0.03439657	29	04	21.60	.1468	91.96
8	2Q1	0.03570635	28	00	22.40	.1501	33.67
9	SIG1	0.03590872	27	50	54.20	.1541	278.40
10	Q1	0.03721850	26	52	06.09	.0586	94.41
11	RHO1	0.03742087	26	43	23.00	.0681	331.69
12	O1	0.03873065	25	49	09.64	1.0207	95.55
13	TAU1	0.03895881	25	40	05.29	.1492	200.42
14	BET1	0.04004043	24	58	29.12	.2185	313.39
15	NO1	0.04026859	24	49	59.70	.2949	169.17
16	CHI1	0.04047097	24	42	32.65	.0528	227.91
17	P1	0.04155259	24	03	57.20	.9234	164.45
18	K1	0.04178075	23	56	04.08	2.5489	182.70
19	PHI1	0.04200891	23	48	16.11	.1389	236.45
20	THE1	0.04309053	23	12	25.04	.2377	122.99
21	J1	0.04329290	23	05	54.51	.0909	170.85
22	SO1	0.04460268	22	25	12.64	.2071	303.89
23	OO1	0.04483084	22	18	21.86	.1294	198.67
24	UPS1	0.04634299	21	34	41.65	.2587	63.85
25	OQ2	0.07597494	13	09	44.05	.0598	236.83
26	EPS2	0.07617731	13	07	38.17	.0270	139.48
27	2N2	0.07748710	12	54	19.35	.3293	165.58
28	MU2	0.07768947	12	52	18.33	.3848	169.09
29	N2	0.07899925	12	39	30.05	2.2365	185.73
30	NU2	0.07920162	12	37	33.62	.4419	192.52
31	M2	0.08051140	12	25	14.16	11.3542	201.64
32	MKS2	0.08073957	12	23	07.80	.0748	62.61
33	LDA2	0.08182118	12	13	18.39	.0433	106.38
34	L2	0.08202355	12	11	29.83	.2313	213.89
35	S2	0.08333334	11	59	60.00	4.1884	221.76
36	K2	0.08356149	11	58	02.05	1.0897	216.43
37	MSN2	0.08484548	11	47	10.07	.0924	20.04
38	ETA2	0.08507364	11	45	16.28	.0782	220.82
39	MO3	0.11924210	08	23	10.68	.2141	23.93
40	M3	0.12076710	08	16	49.44	.3654	311.00
41	SO3	0.12206400	08	11	32.73	.0950	78.00
42	MK3	0.12229210	08	10	37.72	.0203	336.54
43	SK3	0.12511410	07	59	33.74	.2668	266.77
44	MN4	0.15951060	06	16	09.03	.2163	40.06
45	M4	0.16102280	06	12	37.08	.3037	88.72
46	SN4	0.16233260	06	09	36.69	.0576	169.55
47	MS4	0.16384470	06	06	12.03	.1747	141.98
48	MK4	0.16407290	06	05	41.47	.0262	187.60
49	S4	0.16666670	05	59	60.00	.0802	17.43
50	SK4	0.16689480	05	59	30.47	.0245	255.37
51	2MK5	0.20280360	04	55	51.16	.0583	148.56
52	2SK5	0.20844740	04	47	50.54	.0496	293.47
53	2MN6	0.24002200	04	09	58.63	.0497	58.43
54	M6	0.24153420	04	08	24.72	.0244	217.50
55	2MS6	0.24435610	04	05	32.60	.0521	238.25
56	2MK6	0.24458430	04	05	18.85	.0464	234.49
57	2SM6	0.24717810	04	02	44.40	.0198	63.82
58	MSK6	0.24740620	04	02	30.97	.0918	134.15
59	3MK7	0.28331490	03	31	46.71	.0086	292.31
60	M8	0.32204560	03	06	18.54	.0525	205.40

Frequenza Ampiezza e Fase dei costituenti di marea

Sciaccia

Analisi effettuata con misure orarie

Periodo da 01 Gennaio 2013 a 31 Dicembre 2013

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				.2330	180.00
2	SSA	0.00022816	4382	53	21.12	4.4447	359.58
3	MSM	0.00130978	763	29	13.19	.7424	75.02
4	MM	0.00151215	661	18	36.20	1.5812	229.98
5	MSF	0.00282193	354	22	02.64	1.2079	315.95
6	MF	0.00305009	327	51	33.04	.6646	223.91
7	ALP1	0.03439657	29	04	21.60	.0569	108.76
8	2Q1	0.03570635	28	00	22.40	.0946	76.71
9	SIG1	0.03590872	27	50	54.20	.0778	343.32
10	Q1	0.03721850	26	52	06.09	.2212	81.24
11	RHO1	0.03742087	26	43	23.00	.1034	350.70
12	O1	0.03873065	25	49	09.64	1.1751	51.21
13	TAU1	0.03895881	25	40	05.29	.0181	310.53
14	BET1	0.04004043	24	58	29.12	.0676	268.16
15	NO1	0.04026859	24	49	59.70	.1895	101.41
16	CHI1	0.04047097	24	42	32.65	.1276	189.57
17	P1	0.04155259	24	03	57.20	.8724	63.89
18	K1	0.04178075	23	56	04.08	2.0266	68.12
19	PHI1	0.04200891	23	48	16.11	.0315	157.94
20	THE1	0.04309053	23	12	25.04	.2461	104.38
21	J1	0.04329290	23	05	54.51	.0967	54.70
22	SO1	0.04460268	22	25	12.64	.1811	269.66
23	OO1	0.04483084	22	18	21.86	.0308	293.55
24	UPS1	0.04634299	21	34	41.65	.1936	24.66
25	OQ2	0.07597494	13	09	44.05	.0562	267.81
26	EPS2	0.07617731	13	07	38.17	.0472	89.04
27	2N2	0.07748710	12	54	19.35	.1396	107.40
28	MU2	0.07768947	12	52	18.33	.2359	98.64
29	N2	0.07899925	12	39	30.05	.8767	85.39
30	NU2	0.07920162	12	37	33.62	.2342	85.44
31	M2	0.08051140	12	25	14.16	4.5879	64.46
32	MKS2	0.08073957	12	23	07.80	.1575	169.28
33	LDA2	0.08182118	12	13	18.39	.1492	36.25
34	L2	0.08202355	12	11	29.83	.2526	35.48
35	S2	0.08333334	11	59	60.00	3.2824	56.50
36	K2	0.08356149	11	58	02.05	.8513	60.85
37	MSN2	0.08484548	11	47	10.07	.0334	180.15
38	ETA2	0.08507364	11	45	16.28	.1148	216.11
39	MO3	0.11924210	08	23	10.68	.1576	31.59
40	M3	0.12076710	08	16	49.44	.0573	177.62
41	SO3	0.12206400	08	11	32.73	.0400	92.76
42	MK3	0.12229210	08	10	37.72	.0447	259.89
43	SK3	0.12511410	07	59	33.74	.0932	247.47
44	MN4	0.15951060	06	16	09.03	.0456	169.67
45	M4	0.16102280	06	12	37.08	.0829	208.89
46	SN4	0.16233260	06	09	36.69	.0528	305.77
47	MS4	0.16384470	06	06	12.03	.1934	254.54
48	MK4	0.16407290	06	05	41.47	.0718	314.19
49	S4	0.16666670	05	59	60.00	.0662	334.26
50	SK4	0.16689480	05	59	30.47	.0704	308.10
51	2MK5	0.20280360	04	55	51.16	.0211	141.92
52	2SK5	0.20844740	04	47	50.54	.0296	91.05
53	2MN6	0.24002200	04	09	58.63	.0255	51.65
54	M6	0.24153420	04	08	24.72	.0173	358.82
55	2MS6	0.24435610	04	05	32.60	.0882	38.40
56	2MK6	0.24458430	04	05	18.85	.0273	171.86
57	2SM6	0.24717810	04	02	44.40	.0188	246.99
58	MSK6	0.24740620	04	02	30.97	.0627	99.44
59	3MK7	0.28331490	03	31	46.71	.0012	235.03
60	M8	0.32204560	03	06	18.54	.0334	233.51