

**Dipartimento di Geoscienze
Università di Trieste**



MAREA ASTRONOMICA 2012

a cura di
Franco Stravisi e Stefano Cirilli



Ente Tutela Pesca



REGIONE AUTONOMA
FRIULI VENEZIA GIULIA

MAREA ASTRONOMICA 2012

USO DELLE TABELLE IN LOCALITÀ DIVERSE DA TRIESTE

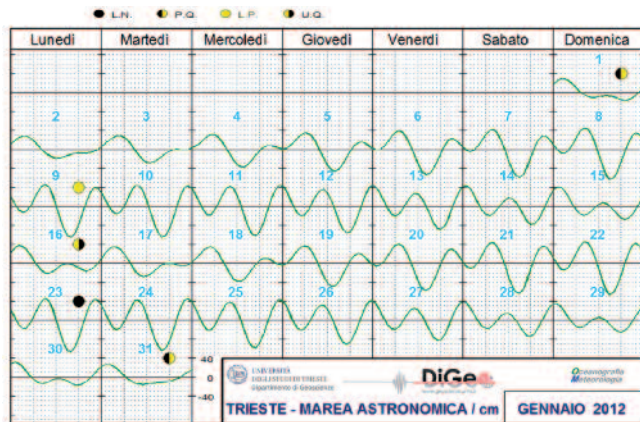
Le tabelle ed i grafici si riferiscono alla marea astronomica calcolata per Trieste. Tenendo però presente che l'onda di marea viaggia in senso antiorario lungo le coste adriatiche alla velocità di circa 2 chilometri al minuto, si può facilmente calcolare l'anticipo della marea lungo le coste istriane ed il ritardo lungo la costa occidentale. Nelle zone lagunari la marea si propaga dal mare verso l'interno ad una velocità inferiore (pochi chilometri all'ora), causa la bassa profondità dei canali. L'ampiezza della marea si riduce con la distanza da Trieste ed all'interno delle lagune. La tabella seguente riporta l'anticipo o il ritardo in minuti della fase di marea e la percentuale dell'altezza, con riferimento alle previsioni di Trieste, per alcune località di maggiore interesse. Per esempio, un'alta marea prevista a Trieste alle 12:39 (corrispondenti alle ore 13:39 legali) con 60 cm sopra il livello medio avviene a Rovigno alle 12:20 con $60 \times 0.70 = 42$ cm, al porto di Grado alle 13:04 con 54 cm e così via.

Località	anticipo (minuti)	altezza
Pirano, Capodistria	5	100 %
Muggia	0	100 %
Rovigno	19	70 %

Località	ritardo (minuti)	altezza
Duino	3	100 %
Monfalcone, Grado (secche)	5	100 %
Grado (porto)	25	90 %
Porto Buso (interno laguna)	30	100 %
Belvedere	50	90 %
Foce Aussa e Corno	52	100 %
Porto Nogaro	55	100 %
Torviscosa (Darsena Snia)	60	100 %
Foce Stella (idrometro Fraidà)	55	100 %
Precenicco (fiume Stella)	96	97 %
Lignano Sabbiadoro	12	100 %

L'ora riportata nelle tabelle e nei grafici è sempre l'ora solare
(tempo Europa centrale, CET = UTC + 1h)

gennaio 2012



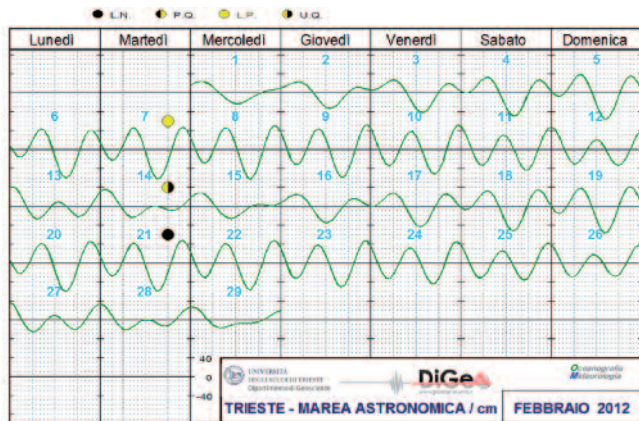
TRIESTE - Alte e basse maree

GENNAIO

2012

		ora	cm	ora	cm	ora	cm	ora	cm
PQ	1 D	02:29	30	10:18	-11	13:56	-7	19:07	-16
	2 L	03:25	29	12:04	-19				
	3 M	04:30	30	12:52	-29	20:18	1	22:14	0
	4 M	05:30	32	13:24	-38	20:29	9		
	5 G	00:09	1	06:20	35	13:53	-47	20:48	16
	6 V	01:12	-1	07:02	39	14:20	-54	21:09	23
	7 S	01:58	-5	07:41	43	14:48	-60	21:33	30
	8 D	02:37	-9	08:18	45	15:16	-64	21:58	35
LP	9 L	03:15	-13	08:54	47	15:44	-66	22:25	40
	10 M	03:52	-17	09:30	46	16:14	-66	22:54	43
	11 M	04:31	-20	10:07	42	16:44	-63	23:25	45
	12 G	05:12	-21	10:45	37	17:16	-57		
	13 V	00:00	46	05:58	-21	11:25	28	17:48	-49
	14 S	00:37	44	06:51	-20	12:12	18	18:23	-39
	15 D	01:21	42	08:00	-19	13:12	7	19:03	-28
UQ	16 L	02:15	38	09:35	-21	15:00	-1	19:57	-16
	17 M	03:25	36	11:19	-28	17:51	1	21:41	-6
	18 M	04:46	35	12:32	-39	19:24	11	23:46	-3
	19 G	05:58	38	13:22	-49	20:11	21		
	20 V	01:06	-6	06:56	41	14:02	-58	20:48	31
	21 S	02:00	-11	07:43	45	14:38	-64	21:21	38
LN	22 D	02:44	-15	08:23	46	15:11	-67	21:51	42
	23 L	03:23	-19	09:00	46	15:41	-67	22:20	45
	24 M	03:58	-21	09:34	44	16:10	-64	22:48	46
	25 M	04:31	-22	10:05	39	16:36	-59	23:14	45
	26 G	05:04	-22	10:35	33	17:00	-52	23:40	43
	27 V	05:38	-20	11:04	25	17:21	-44		
	28 S	00:05	40	06:15	-18	11:32	16	17:38	-35
	29 D	00:30	36	06:59	-15	12:01	7	17:50	-26
	30 L	00:58	32	08:06	-13	12:37	-3	17:49	-17
	PQ	31 M	01:35	28	10:37	-15			

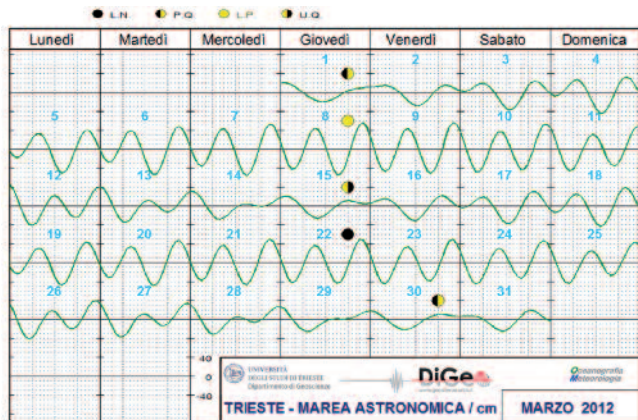
febbraio 2012



TRIESTE - Alte e basse maree FEBBRAIO 2012

		ora	cm	ora	cm	ora	cm	ora	cm
	1	M	02:42	24	12:30	-24			
	2	G	04:39	23	13:06	-34	20:39	12	
	3	V	00:21	6	06:02	27	13:34	-43	20:35
	4	S	01:21	-1	06:55	33	14:01	-51	20:48
	5	D	02:00	-9	07:37	39	14:28	-57	21:07
	6	L	02:35	-17	08:15	43	14:56	-62	21:29
LP	7	M	03:08	-24	08:51	46	15:23	-64	21:54
	8	M	03:41	-30	09:26	47	15:52	-63	22:21
	9	G	04:16	-34	10:01	44	16:21	-60	22:50
	10	V	04:52	-35	10:37	39	16:50	-54	23:20
	11	S	05:31	-35	11:15	31	17:20	-45	23:53
	12	D	06:16	-32	11:57	21	17:50	-35	
	13	L	00:30	43	07:12	-27	12:51	10	18:22
UQ	14	M	01:16	36	08:36	-24	14:33	0	19:02
	15	M	02:24	29	10:42	-26	18:24	4	21:25
	16	G	04:16	25	12:13	-35	19:26	16	
	17	V	00:13	0	05:53	28	13:06	-45	20:00
	18	S	01:20	-8	06:55	34	13:46	-53	20:29
	19	D	02:03	-16	07:41	39	14:19	-58	20:56
	20	L	02:39	-23	08:19	42	14:50	-60	21:22
LN	21	M	03:10	-28	08:53	43	15:17	-60	21:46
	22	M	03:40	-32	09:25	42	15:43	-57	22:09
	23	G	04:08	-34	09:54	39	16:06	-51	22:30
	24	V	04:35	-34	10:21	34	16:26	-45	22:51
	25	S	05:03	-33	10:48	27	16:44	-37	23:10
	26	D	05:33	-30	11:15	19	16:59	-29	23:30
	27	L	06:06	-26	11:44	10	17:10	-21	23:51
	28	M	06:50	-22	12:20	1	17:10	-13	
	29	M	00:15	28	08:11	-17	14:36	-7	15:22

marzo 2012



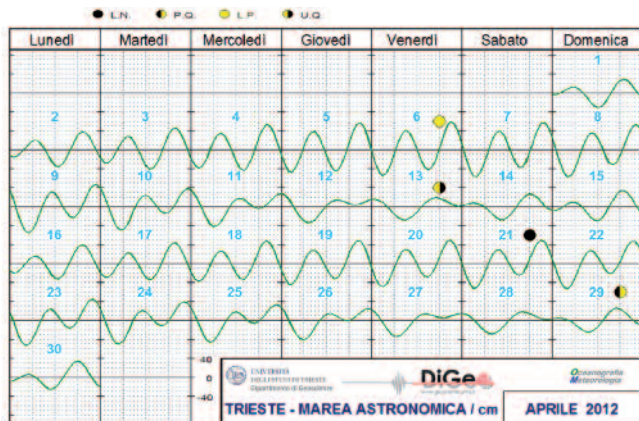
TRIESTE - Alte e basse mareae

MARZO

2012

		ora	cm	ora	cm	ora	cm	ora	cm
PQ	1	G	00:51	21	11:16	-20			
	2	V	03:41	15	12:24	-29	19:54	16	
	3	S	00:45	2	05:51	20	13:00	-37	19:54
	4	D	01:20	-8	06:48	27	13:30	-45	20:09
	5	L	01:51	-18	07:30	35	13:59	-51	20:29
	6	M	02:21	-28	08:07	41	14:28	-55	20:52
	7	M	02:51	-37	08:43	44	14:56	-57	21:18
LP	8	G	03:23	-44	09:17	46	15:25	-56	21:44
	9	V	03:55	-48	09:52	44	15:54	-52	22:13
	10	S	04:30	-49	10:28	39	16:24	-45	22:42
	11	D	05:06	-47	11:06	32	16:54	-36	23:13
	12	L	05:47	-42	11:50	22	17:24	-25	23:46
	13	M	06:36	-35	12:47	12	17:57	-13	
	14	M	00:25	32	07:48	-29	14:41	5	18:45
UQ	15	G	01:25	22	09:49	-26	18:06	11	22:39
	16	V	03:52	15	11:36	-31	18:56	22	
	17	S	00:34	-4	05:48	19	12:35	-39	19:27
	18	D	01:19	-15	06:49	26	13:16	-44	19:54
	19	L	01:53	-24	07:33	32	13:50	-48	20:19
	20	M	02:23	-32	08:10	36	14:20	-49	20:43
	21	M	02:51	-38	08:43	38	14:47	-47	21:05
LN	22	G	03:17	-43	09:13	38	15:11	-44	21:26
	23	V	03:43	-45	09:42	35	15:33	-39	21:45
	24	S	04:08	-46	10:09	31	15:53	-34	22:04
	25	D	04:34	-44	10:37	26	16:12	-27	22:23
	26	L	05:02	-42	11:07	20	16:29	-21	22:43
	27	M	05:32	-37	11:42	13	16:46	-14	23:04
	28	M	06:11	-32	12:32	6	16:59	-6	23:26
PQ	29	G	07:08	-25	14:52	2	16:34	2	23:53
	30	V	09:05	-21	18:50	11	23:43	8	
	31	S	02:38	9	11:06	-25	18:38	20	

aprile 2012



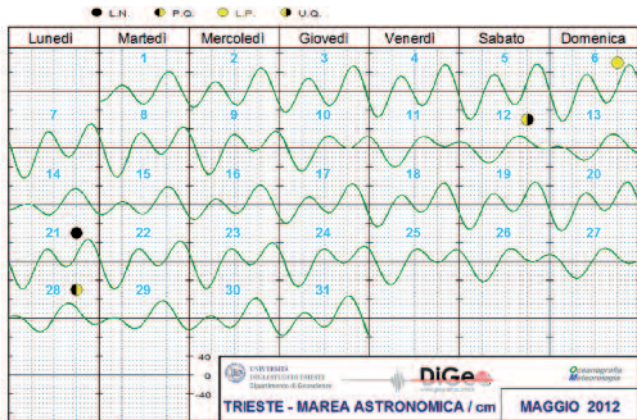
TRIESTE - Alte e basse maree

APRILE

2012

		ora	cm	ora	cm	ora	cm	ora	cm
	1 D	00:32	-4	05:30	13	12:05	-31	18:57	30
	2 L	01:02	-16	06:32	21	12:46	-37	19:20	39
	3 M	01:31	-28	07:17	29	13:21	-42	19:46	47
	4 M	02:01	-39	07:56	35	13:54	-45	20:13	53
	5 G	02:32	-48	08:32	40	14:26	-45	20:40	58
LP	6 V	03:04	-55	09:09	41	14:58	-43	21:09	59
	7 S	03:37	-59	09:46	40	15:30	-39	21:39	58
	8 D	04:11	-59	10:24	37	16:02	-33	22:09	54
	9 L	04:48	-56	11:06	31	16:36	-24	22:39	47
	10 M	05:27	-51	11:54	24	17:12	-15	23:12	38
	11 M	06:13	-43	12:58	18	17:57	-5	23:48	28
	12 G	07:13	-35	14:46	14	19:29	4		
UQ	13 V	00:41	16	08:46	-29	17:01	19	23:12	2
	14 S	03:15	8	10:33	-28	18:03	27		
	15 D	00:26	-9	05:29	10	11:45	-30	18:40	35
	16 L	01:04	-20	06:35	17	12:34	-33	19:10	41
	17 M	01:35	-30	07:21	23	13:12	-34	19:37	45
	18 M	02:03	-39	07:59	27	13:44	-34	20:01	48
	19 G	02:29	-45	08:32	30	14:12	-32	20:23	50
	20 V	02:55	-50	09:04	31	14:38	-29	20:44	50
LN	21 S	03:21	-53	09:34	30	15:02	-26	21:05	50
	22 D	03:46	-54	10:04	28	15:25	-22	21:26	48
	23 L	04:13	-53	10:35	25	15:48	-17	21:48	45
	24 M	04:41	-51	11:10	22	16:14	-12	22:11	41
	25 M	05:13	-47	11:52	18	16:44	-6	22:37	34
	26 G	05:51	-41	12:48	15	17:26	0	23:07	26
	27 V	06:39	-35	14:16	14	18:52	5	23:50	16
	28 S	07:51	-28	16:06	19	22:28	3		
PQ	29 D	02:00	6	09:29	-25	17:11	26	23:51	-10
	30 L	04:47	6	10:52	-26	17:53	35		

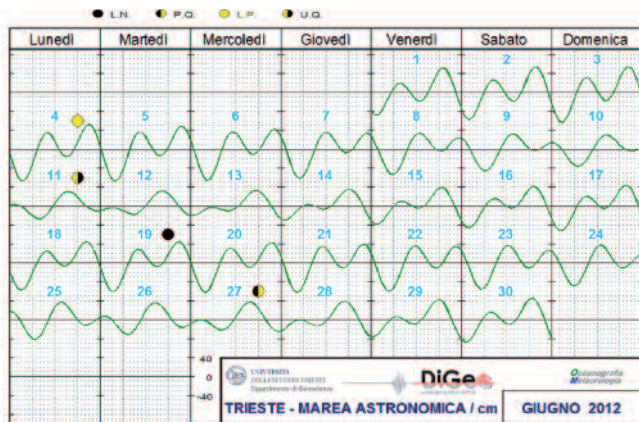
maggio 2012



TRIESTE - Alte e basse maree MAGGIO 2012

		ora	cm	ora	cm	ora	cm	ora	cm
	1 M	00:32	-23	06:07	13	11:52	-28	18:29	43
	2 M	01:06	-35	07:00	21	12:38	-31	19:02	50
	3 G	01:40	-46	07:44	28	13:20	-32	19:35	55
	4 V	02:14	-56	08:25	33	13:58	-32	20:07	58
	5 S	02:48	-62	09:05	36	14:35	-30	20:40	59
LP	6 D	03:23	-65	09:45	37	15:12	-26	21:12	57
	7 L	03:59	-66	10:27	35	15:50	-21	21:45	52
	8 M	04:36	-63	11:12	33	16:30	-15	22:18	45
	9 M	05:14	-58	12:01	29	17:15	-8	22:52	35
	10 G	05:57	-50	13:01	26	18:15	-1	23:30	25
	11 V	06:45	-42	14:17	24	19:53	3		
UQ	12 S	00:20	13	07:47	-33	15:44	26	22:30	-1
	13 D	02:10	3	09:07	-26	16:54	30	23:58	-12
	14 L	04:44	2	10:30	-23	17:42	35		
	15 M	00:41	-23	06:14	7	11:35	-21	18:19	39
	16 M	01:14	-32	07:10	12	12:25	-20	18:50	43
	17 G	01:43	-41	07:52	17	13:04	-19	19:18	45
	18 V	02:11	-48	08:29	21	13:38	-17	19:44	47
	19 S	02:38	-53	09:02	24	14:09	-16	20:09	48
	20 D	03:04	-57	09:34	26	14:39	-14	20:34	48
LN	21 L	03:31	-59	10:05	27	15:09	-12	21:00	47
	22 M	03:59	-60	10:38	27	15:41	-10	21:27	45
	23 M	04:29	-58	11:14	27	16:17	-7	21:57	40
	24 G	05:01	-55	11:53	27	17:00	-5	22:31	34
	25 V	05:36	-50	12:39	27	17:55	-2	23:10	25
	26 S	06:17	-44	13:35	27	19:15	-1		
	27 D	00:02	16	07:07	-36	14:40	29	21:09	-4
PQ	28 L	01:30	6	08:11	-29	15:47	33	22:52	-13
	29 M	03:45	2	09:30	-24	16:47	38	23:55	-26
	30 M	05:34	6	10:49	-21	17:38	43		
	31 G	00:42	-38	06:46	13	11:54	-20	18:22	49

giugno 2012



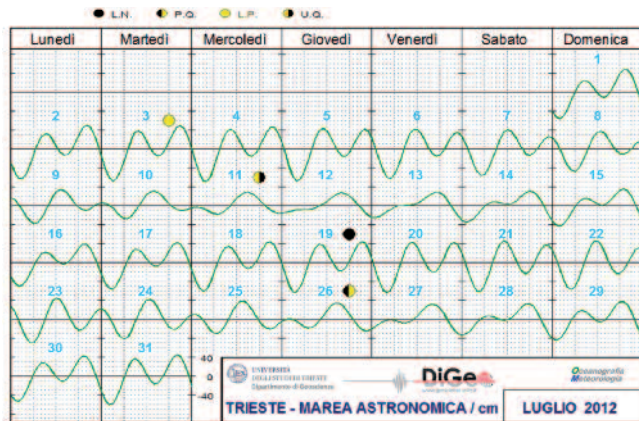
TRIESTE - Alte e basse maree

GIUGNO

2012

		ora	cm	ora	cm	ora	cm	ora	cm	
	1	V	01:23	-49	07:39	20	12:49	-20	19:03	53
	2	S	02:01	-58	08:26	27	13:38	-20	19:42	55
	3	D	02:38	-65	09:08	32	14:23	-19	20:20	55
LP	4	L	03:14	-69	09:50	36	15:07	-17	20:56	53
	5	M	03:51	-69	10:31	37	15:50	-15	21:32	49
	6	M	04:27	-67	11:12	38	16:34	-12	22:08	43
	7	G	05:03	-63	11:55	36	17:21	-8	22:44	34
	8	V	05:39	-56	12:41	35	18:15	-5	23:22	25
	9	S	06:16	-47	13:31	33	19:25	-3		
	10	D	00:05	14	06:56	-37	14:27	31	21:05	-4
UQ	11	L	01:06	4	07:41	-27	15:28	31	23:01	-11
	12	M	03:14	-4	08:41	-18	16:28	32		
	13	M	00:12	-21	05:49	-3	10:02	-11	17:20	34
	14	G	00:55	-30	07:14	3	11:23	-7	18:03	37
	15	V	01:28	-39	08:02	10	12:25	-6	18:39	40
	16	S	01:58	-47	08:37	16	13:13	-6	19:13	42
	17	D	02:25	-53	09:08	21	13:53	-6	19:44	44
	18	L	02:53	-58	09:36	26	14:30	-7	20:16	46
LN	19	M	03:20	-62	10:04	29	15:06	-9	20:48	46
	20	M	03:48	-63	10:32	33	15:43	-10	21:21	44
	21	G	04:17	-63	11:02	35	16:22	-11	21:55	41
	22	V	04:47	-61	11:35	37	17:04	-12	22:32	36
	23	S	05:19	-56	12:11	38	17:53	-11	23:12	28
	24	D	05:53	-50	12:52	38	18:51	-11	23:59	19
	25	L	06:31	-42	13:39	38	20:07	-12		
	26	M	01:02	9	07:16	-32	14:36	37	21:43	-17
PQ	27	M	02:42	1	08:15	-22	15:41	38	23:15	-26
	28	G	05:02	0	09:41	-14	16:49	40		
	29	V	00:21	-37	06:44	7	11:17	-10	17:50	43
	30	S	01:10	-48	07:45	17	12:34	-10	18:43	47

luglio 2012



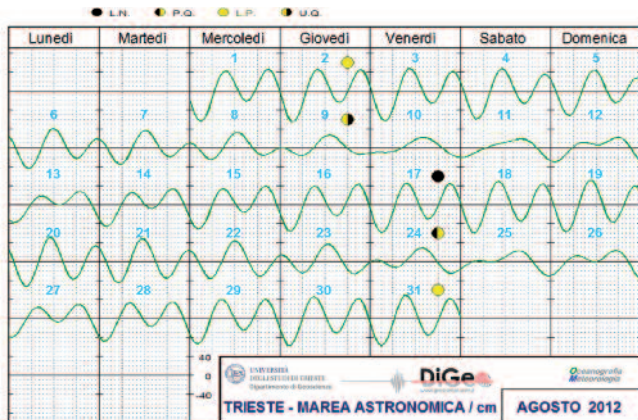
TRIESTE - Alte e basse maree

LUGLIO

2012

		ora	cm	ora	cm	ora	cm	ora	cm	
	1	D	01:52	-57	08:31	26	13:34	-12	19:29	49
	2	L	02:31	-64	09:11	33	14:24	-14	20:11	51
LP	3	M	03:07	-69	09:48	39	15:09	-16	20:51	50
	4	M	03:41	-70	10:23	42	15:50	-17	21:28	47
	5	G	04:14	-69	10:57	44	16:31	-17	22:03	42
	6	V	04:45	-64	11:31	43	17:11	-16	22:37	35
	7	S	05:16	-57	12:05	41	17:53	-14	23:11	27
	8	D	05:44	-48	12:39	38	18:40	-12	23:45	17
	9	L	06:10	-39	13:15	35	19:41	-10		
UQ	10	M	00:23	7	06:33	-28	13:57	32	21:13	-11
	11	M	01:21	-4	06:50	-18	14:49	29	23:29	-17
	12	G	15:59	28						
	13	V	00:40	-26	17:11	29				
	14	S	01:17	-35	08:35	9	12:02	3	18:09	32
	15	D	01:46	-44	08:47	16	13:10	1	18:55	36
	16	L	02:13	-51	09:04	23	13:54	-4	19:34	40
	17	M	02:39	-57	09:24	29	14:31	-9	20:09	43
LN	18	M	03:05	-61	09:46	35	15:05	-14	20:44	45
	19	G	03:31	-64	10:10	40	15:39	-18	21:18	45
	20	V	03:59	-64	10:36	44	16:15	-22	21:53	43
	21	S	04:27	-62	11:04	46	16:52	-24	22:28	39
	22	D	04:56	-58	11:35	47	17:33	-25	23:06	32
	23	L	05:26	-51	12:09	46	18:19	-24	23:48	23
	24	M	05:59	-42	12:48	43	19:17	-22		
PQ	25	M	00:38	12	06:34	-31	13:35	39	20:37	-21
	26	G	01:58	2	07:17	-19	14:38	35	22:28	-25
	27	V	04:44	-2	08:38	-8	16:03	33		
	28	S	00:00	-34	06:57	8	11:06	-2	17:29	35
	29	D	00:58	-45	07:49	19	12:43	-6	18:35	39
	30	L	01:42	-54	08:27	29	13:42	-11	19:26	43
	31	M	02:19	-61	09:00	37	14:27	-17	20:09	46

agosto 2012



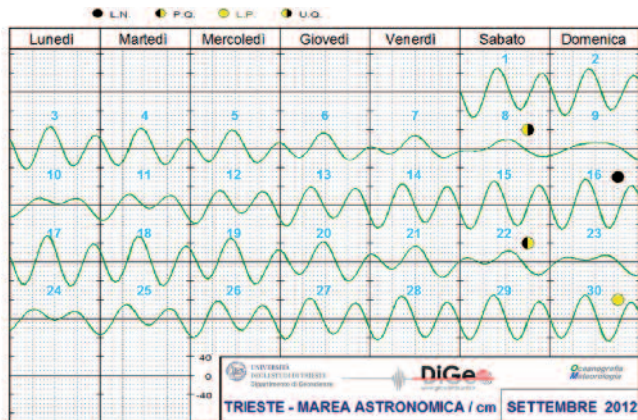
TRIESTE - Alte e basse maree

AGOSTO

2012

		ora	cm	ora	cm	ora	cm	ora	cm
LP	1 M	02:53	-66	09:30	43	15:06	-22	20:47	47
	2 G	03:25	-67	10:00	47	15:42	-25	21:22	46
	3 V	03:54	-65	10:28	48	16:16	-27	21:55	42
	4 S	04:22	-60	10:55	48	16:49	-27	22:27	37
	5 D	04:47	-53	11:21	45	17:22	-26	22:56	29
	6 L	05:09	-45	11:46	42	17:57	-23	23:25	20
UQ	7 M	05:29	-36	12:11	38	18:37	-20	23:55	10
	8 M	05:42	-26	12:37	33	19:31	-16		
	9 G	00:29	0	05:43	-17	13:07	28	21:22	-14
	10 V	02:11	-10	04:19	-10	13:57	23		
	11 S	00:12	-21	16:06	20				
	12 D	00:56	-30	08:41	12	12:27	6	17:51	23
LN	13 L	01:24	-39	08:28	19	13:20	-1	18:47	29
	14 M	01:50	-46	08:37	27	13:54	-9	19:28	35
	15 M	02:16	-53	08:53	34	14:25	-17	20:04	40
	16 G	02:41	-57	09:13	41	14:55	-25	20:38	44
	17 V	03:07	-60	09:36	47	15:25	-31	21:12	45
	18 S	03:34	-60	10:00	51	15:57	-36	21:46	44
PQ	19 D	04:02	-58	10:27	53	16:31	-39	22:20	41
	20 L	04:30	-53	10:56	53	17:08	-39	22:57	34
	21 M	05:00	-46	11:27	50	17:49	-36	23:36	25
	22 M	05:30	-36	12:02	45	18:37	-32		
	23 G	00:25	15	06:02	-25	12:42	38	19:45	-27
	24 V	01:41	5	06:40	-13	13:39	30	21:34	-25
LP	25 S	04:54	2	08:12	0	15:22	24	23:31	-31
	26 D	06:53	13	11:37	0	17:20	25		
	27 L	00:37	-40	07:33	25	12:57	-8	18:33	31
	28 M	01:22	-49	08:04	34	13:44	-17	19:23	37
	29 M	01:58	-55	08:33	42	14:21	-25	20:04	41
	30 G	02:31	-58	09:00	47	14:54	-32	20:40	43
31 V	03:00	-58	09:26	50	15:24	-36	21:13	43	

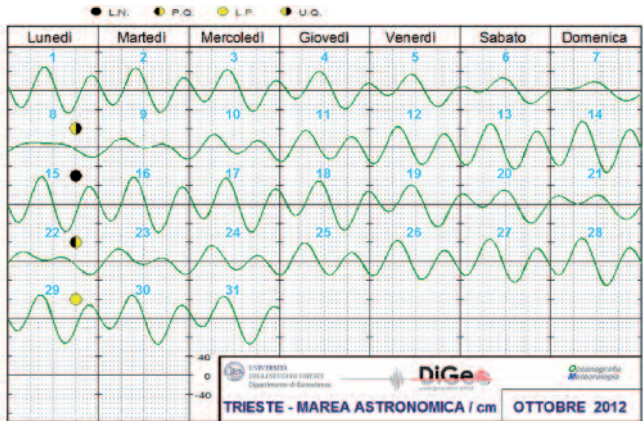
settembre 2012



TRIESTE - Alte e basse maree SETTEMBRE 2012

		ora	cm	ora	cm	ora	cm	ora	cm	
	1	S	03:28	-56	09:50	51	15:54	-39	21:44	41
	2	D	03:53	-51	10:13	50	16:22	-39	22:14	36
	3	L	04:15	-44	10:35	48	16:50	-38	22:42	29
	4	M	04:35	-37	10:55	44	17:19	-35	23:10	21
	5	M	04:52	-28	11:15	39	17:51	-30	23:40	13
	6	G	05:04	-20	11:34	34	18:29	-25		
	7	V	00:16	4	05:06	-12	11:53	28	19:29	-19
UQ	8	S	01:41	-4	04:13	-5	12:15	21	22:11	-18
	9	D	13:27	13						
	10	L	00:01	-25	07:46	15	12:49	3	17:34	15
	11	M	00:42	-32	07:41	23	13:15	-7	18:36	22
	12	M	01:13	-39	07:53	32	13:41	-18	19:18	30
	13	G	01:42	-45	08:11	40	14:08	-28	19:54	36
	14	V	02:10	-50	08:33	47	14:36	-37	20:29	41
	15	S	02:38	-52	08:57	52	15:06	-45	21:03	43
LN	16	D	03:06	-52	09:23	56	15:37	-50	21:37	43
	17	L	03:35	-49	09:51	57	16:10	-52	22:12	40
	18	M	04:05	-44	10:20	56	16:46	-51	22:50	34
	19	M	04:36	-36	10:50	51	17:24	-47	23:32	27
	20	G	05:08	-27	11:23	44	18:09	-41		
	21	V	00:24	18	05:43	-16	12:00	35	19:08	-33
PQ	22	S	01:48	10	06:33	-4	12:50	24	20:41	-28
	23	D	04:39	10	09:13	4	14:44	15	22:42	-29
	24	L	06:15	20	12:00	-3	17:09	16	23:59	-35
	25	M	06:56	30	12:56	-14	18:25	22		
	26	M	00:49	-40	07:28	39	13:33	-25	19:15	29
	27	G	01:27	-44	07:56	45	14:06	-34	19:55	34
	28	V	02:01	-46	08:22	49	14:35	-41	20:31	37
	29	S	02:30	-45	08:47	51	15:04	-46	21:03	38
LP	30	D	02:57	-42	09:10	52	15:31	-48	21:34	36

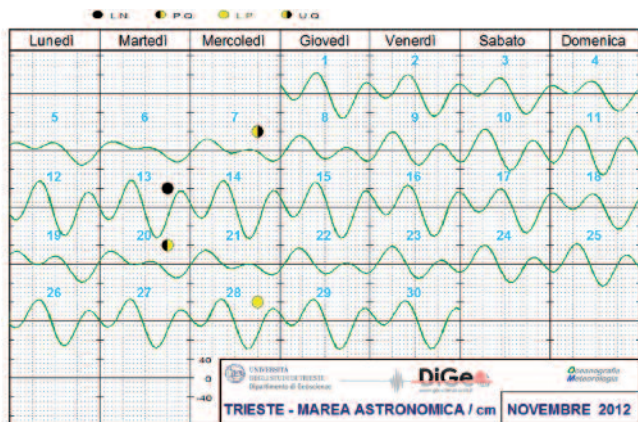
ottobre 2012



TRIESTE - Alte e basse maree OTTOBRE 2012

		<i>ora</i>	<i>cm</i>	<i>ora</i>	<i>cm</i>	<i>ora</i>	<i>cm</i>	<i>ora</i>	<i>cm</i>	
	1	L	03:22	-38	09:31	51	15:58	-49	22:04	32
	2	M	03:44	-32	09:52	48	16:24	-48	22:33	28
	3	M	04:04	-25	10:11	45	16:51	-45	23:04	22
	4	G	04:23	-19	10:30	40	17:21	-40	23:39	15
	5	V	04:41	-12	10:49	35	17:55	-35		
	6	S	00:25	9	04:57	-5	11:09	28	18:41	-28
	7	D	02:01	5	05:05	3	11:28	19	20:04	-22
UQ	8	L	06:28	11	22:16	-22				
	9	M	06:16	19	12:27	-2	16:57	7	23:34	-26
	10	M	06:36	28	12:51	-14	18:14	15		
	11	G	00:21	-31	06:59	36	13:17	-26	19:01	23
	12	V	00:59	-36	07:25	44	13:46	-37	19:40	30
	13	S	01:33	-39	07:51	51	14:16	-47	20:17	35
	14	D	02:06	-40	08:19	56	14:47	-55	20:54	39
LN	15	L	02:38	-40	08:48	59	15:20	-60	21:31	39
	16	M	03:11	-37	09:18	58	15:53	-61	22:09	38
	17	M	03:45	-32	09:49	56	16:29	-60	22:50	34
	18	G	04:20	-25	10:21	50	17:08	-56	23:36	28
	19	V	04:58	-17	10:54	42	17:51	-49		
	20	S	00:33	23	05:45	-7	11:31	31	18:43	-41
	21	D	01:55	19	07:00	1	12:20	20	19:55	-33
PQ	22	L	03:49	20	09:48	2	14:05	9	21:33	-28
	23	M	05:16	27	11:49	-8	16:40	8	23:01	-28
	24	M	06:06	34	12:39	-19	18:07	13		
	25	G	00:02	-30	06:43	40	13:15	-30	19:02	20
	26	V	00:47	-31	07:14	45	13:47	-39	19:45	25
	27	S	01:25	-31	07:42	48	14:16	-46	20:22	28
	28	D	01:57	-30	08:07	50	14:44	-51	20:56	30
LP	29	L	02:26	-27	08:31	50	15:11	-55	21:28	30
	30	M	02:53	-23	08:54	50	15:38	-56	22:00	29
	31	M	03:18	-19	09:15	48	16:05	-55	22:32	26

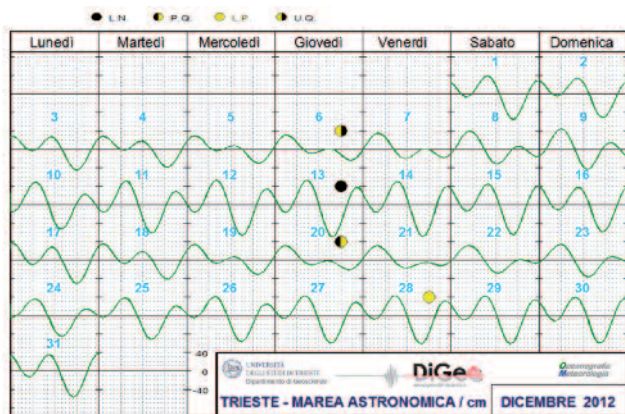
novembre 2012



TRIESTE - Alte e basse maree NOVEMBRE 2012

		ora	cm	ora	cm	ora	cm	ora	cm	
	1	G	03:43	-15	09:38	45	16:33	-53	23:06	24
	2	V	04:09	-10	10:01	40	17:03	-49	23:45	21
	3	S	04:40	-5	10:25	34	17:36	-44		
	4	D	00:34	18	05:20	0	10:53	27	18:16	-38
	5	L	01:42	17	06:30	4	11:28	17	19:11	-31
UQ	6	M	03:14	19	09:19	4	12:44	7	20:31	-26
	7	M	04:31	25	11:28	-6	15:50	2	22:03	-23
	8	G	05:22	32	12:14	-19	17:38	7	23:15	-24
	9	V	06:02	39	12:50	-31	18:40	15		
	10	S	00:09	-26	06:38	46	13:24	-43	19:27	22
	11	D	00:55	-27	07:13	52	13:58	-53	20:10	28
	12	L	01:36	-28	07:46	56	14:32	-61	20:50	33
LN	13	M	02:16	-27	08:20	58	15:07	-66	21:31	36
	14	M	02:55	-25	08:54	57	15:42	-67	22:12	36
	15	G	03:34	-21	09:28	54	16:19	-66	22:55	35
	16	V	04:16	-16	10:03	48	16:57	-62	23:41	33
	17	S	05:01	-11	10:39	39	17:37	-56		
	18	D	00:34	31	05:56	-5	11:18	29	18:22	-47
	19	L	01:36	29	07:13	-1	12:06	18	19:14	-38
PQ	20	M	02:50	28	09:11	-2	13:23	7	20:20	-30
	21	M	04:05	31	11:09	-10	15:41	1	21:40	-24
	22	G	05:05	34	12:13	-20	17:39	4	22:57	-20
	23	V	05:52	38	12:55	-31	18:50	9	23:58	-18
	24	S	06:30	42	13:29	-40	19:41	15		
	25	D	00:46	-17	07:02	44	14:00	-47	20:21	20
	26	L	01:26	-15	07:31	46	14:29	-53	20:57	23
	27	M	02:01	-14	07:59	47	14:57	-57	21:30	26
LP	28	M	02:33	-12	08:25	47	15:24	-59	22:02	27
	29	G	03:04	-10	08:51	46	15:52	-60	22:33	28
	30	V	03:36	-9	09:19	44	16:20	-59	23:06	29

dicembre 2012



TRIESTE - Alte e basse maree DICEMBRE 2012

		ora	cm	ora	cm	ora	cm	ora	cm	
	1	S	04:10	-7	09:48	40	16:49	-56	23:41	29
	2	D	04:50	-5	10:19	35	17:21	-52		
	3	L	00:20	29	05:38	-4	10:55	27	17:56	-46
	4	M	01:06	29	06:43	-2	11:39	18	18:37	-39
	5	M	02:00	30	08:14	-4	12:42	9	19:27	-31
UQ	6	G	03:03	32	10:04	-10	14:35	1	20:35	-24
	7	V	04:07	35	11:27	-21	16:50	1	21:59	-19
	8	S	05:05	40	12:21	-33	18:21	7	23:17	-17
	9	D	05:55	45	13:04	-44	19:21	15		
	10	L	00:22	-16	06:40	50	13:44	-54	20:10	23
	11	M	01:16	-17	07:22	53	14:22	-62	20:53	30
	12	M	02:05	-17	08:02	54	14:58	-68	21:33	35
LN	13	G	02:50	-18	08:40	54	15:34	-70	22:13	39
	14	V	03:34	-17	09:18	51	16:10	-70	22:53	40
	15	S	04:18	-15	09:55	46	16:46	-66	23:33	40
	16	D	05:03	-13	10:33	39	17:21	-60		
	17	L	00:15	39	05:53	-10	11:11	30	17:57	-52
	18	M	01:00	37	06:52	-8	11:53	19	18:35	-42
	19	M	01:50	34	08:09	-7	12:45	8	19:15	-32
PQ	20	G	02:46	33	09:56	-10	14:13	-1	20:03	-21
	21	V	03:49	32	11:36	-18	16:56	-4	21:16	-12
	22	S	04:50	33	12:36	-28	18:57	1	22:51	-6
	23	D	05:43	35	13:16	-37	19:55	9		
	24	L	00:09	-4	06:26	38	13:49	-45	20:33	15
	25	M	01:06	-4	07:04	40	14:18	-52	21:04	21
	26	M	01:49	-5	07:37	42	14:46	-57	21:31	26
	27	G	02:27	-7	08:09	44	15:12	-60	21:57	30
LP	28	V	03:01	-9	08:40	44	15:39	-62	22:23	33
	29	S	03:36	-11	09:12	44	16:05	-62	22:49	36
	30	D	04:11	-12	09:45	41	16:33	-61	23:18	38
	31	L	04:49	-13	10:19	37	17:02	-57	23:49	39

MAREA ASTRONOMICA 2012

Supplemento a Pesca e Ambiente - Dicembre 2011

