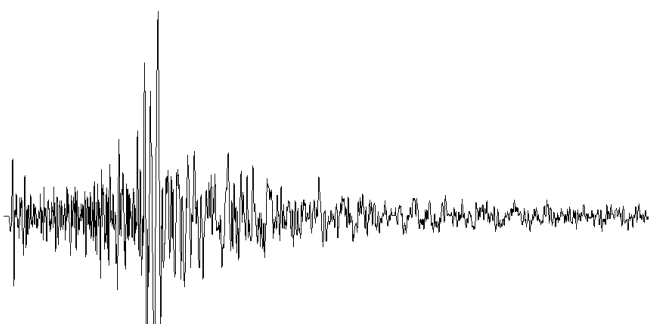
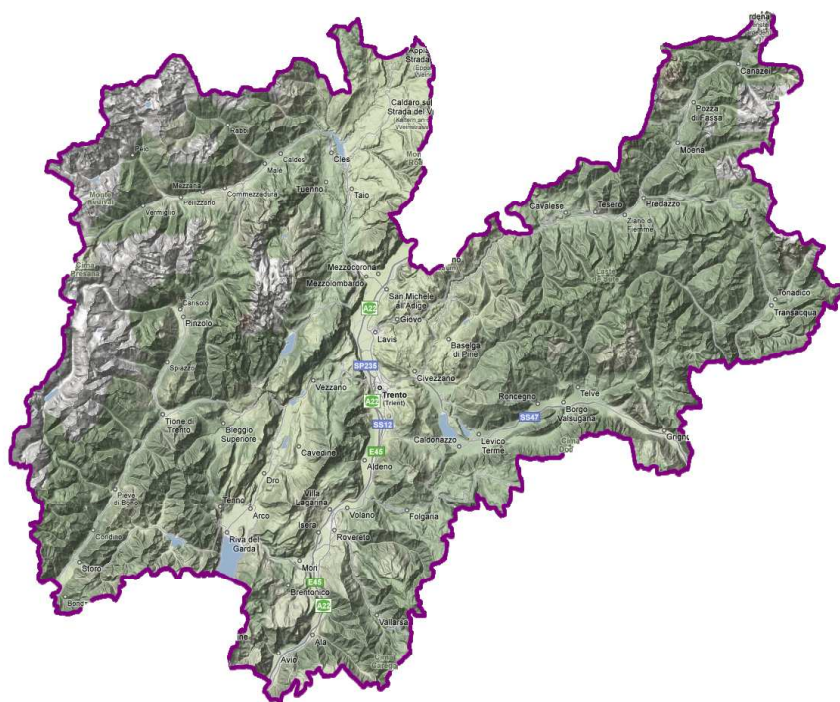




PROVINCIA AUTONOMA DI TRENTO
SERVIZIO GEOLOGICO

TRENTINO
SEISMOMETRIC NETWORK

APRIL
JUNE
2013



QUARTERLY BULLETIN



PROVINCIA AUTONOMA DI TRENTO
Servizio Geologico



Important information

All the localizations reported in this Seismic Catalogue are the result of best solutions which are obtained using seismic phases from stations of different Seismometric Networks.

In particular, data are from the following national/regional Seismometric Networks (SN) operating in the NE Alps area:

- Friuli and Veneto SN
- INGV Italian National SN
- MedNet SN
- NE Italy SN (broadband)
- Austrian SN
- Südtirol SN

The Staff of the PAT Seismometric Network

TRENTINO SEISMOMETRIC NETWORK

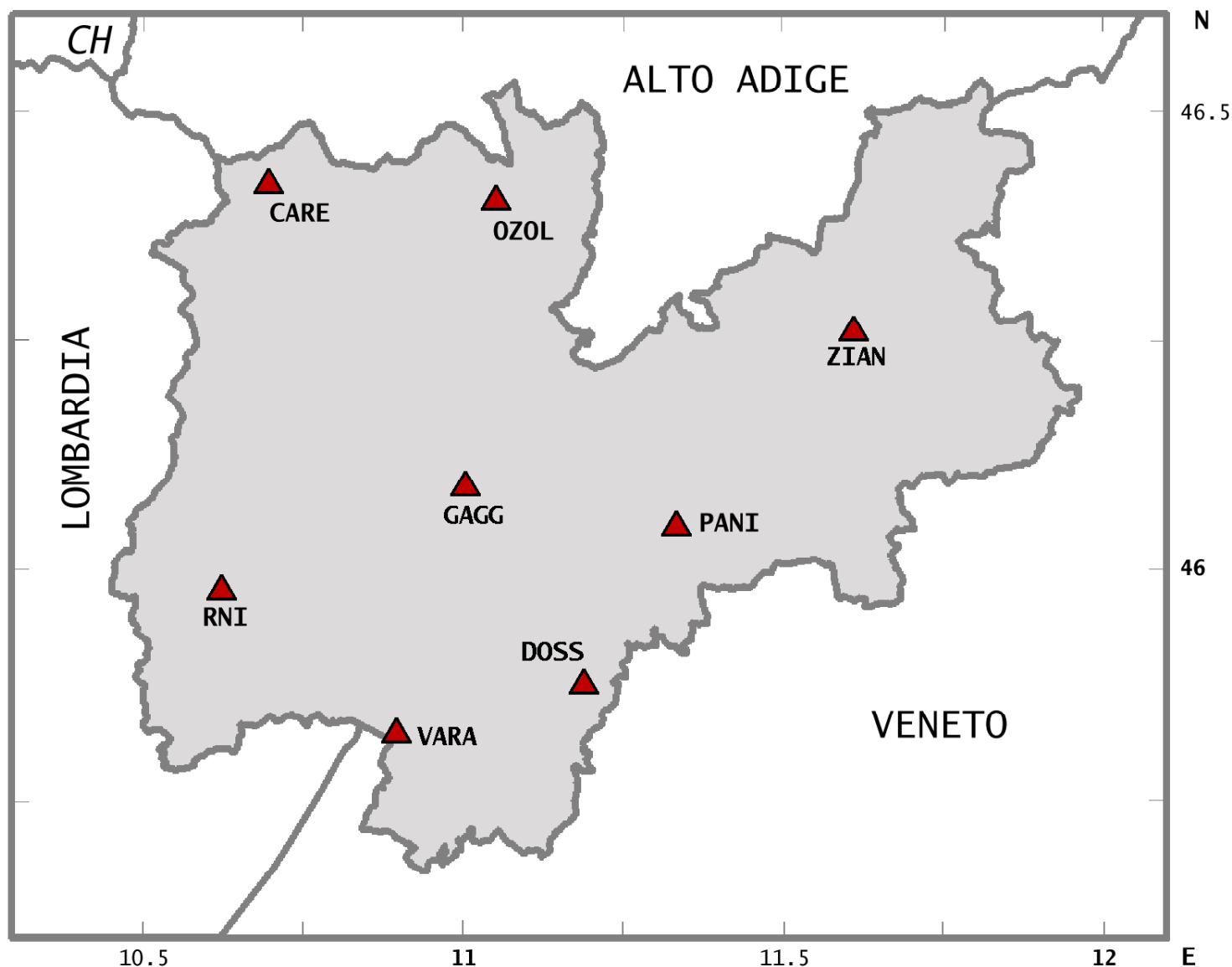
PROVINCIA AUTONOMA DI TRENTO

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RNI	Roncone	45.9802	10.6228	1913
VARA	Monte Varagna	45.8260	10.8965	1735
DOSS	Dosso del Sommo	45.8808	11.1884	1660
PANI	Monte Panarotta	46.0501	11.3341	1983
OZOL	Monte Ozolo	46.4040	11.0518	1219
CARE	Lago del Careser	46.4252	10.6945	2605
GAGG	Monte Gaggia	46.0835	10.9587	1617
ZIAN	Ziano di Fiemme	46.2764	11.5632	1154

EVENT HEADER

Program for earthquake parameters : Hypoellipse 2.0

Date : origin date of event

Time : origin time of event
(Greenwich Mean Time)

Geographical Coordinates : hypocentral coordinates
LAT N, LON E and Depth (degrees and km)

Magnitude : MA : mean amplitude magnitude
MD : mean duration magnitude

Location Errors : az1 : azimuth of axis 1 of error ellipsoid (deg.)
dp1 : dip of axis 1
se1 : length of ellipsoid semiaxis 1 (km)
az2 : azimuth of axis 2 of error ellipsoid (deg.)
dp2 : dip of axis 2
se2 : length of ellipsoid semiaxis 2 (km)
q : either error ellipsoid quality
A : very good
B : good
C : poor
D : bad

RMS : root mean square of residual

Type (of event) : 0 : local or near
10 : near/remote
1 to 3 : explosions (see Notes)

Epicentral Area : town,village or geographical zone;
between brackets Italian County or European Count.
station code failing hypocentral location

Notes : expl?? uncertain explosion
expl? probable explosion
expl! explosion
data from other seismological centers :
(N) is the NEIC (USGS)
(O) is the OGS-CRS (N-E Italy Seismic Network)
(I) is the INGV (Rome)
(S) is the Swiss Seismological Service

STATION DATA

st_name : station code
 RNI is 3D station
 VARA is 3D station
 DOSS is 3D station
 PANI is 3D station
 OZOL is 3D station
 CARE is 3D station
 GAGG is 3D station
 ZIAN is 3D station

p_rem : P remark : E = emersion; I = impetus
m : first motion direction of P-arrival:
 C = compression; D = dilatation

w_p : P-phase weighth code:
 0 = full weighth; 1 to 3 = partial weighth; 8 = no weighth

time_s : time of P-arrival (HH-MM-SS)
dist : distance (km)
azm : azimuth from epicenter to station (degrees)
s_sec : seconds of S-arrival
w_s : S-phase weighth code (see w_p for explanation)
ain : angle of ray leaving hypocenter (degrees)
mx_amp : maximum peak-to-peak amplitude (mm)
per : period of maximum amplitude (seconds)
p_calc : P travel time computed
p_std : P standard error
cf : corrected first motion symbol
f_p time : F-P time interval for f_mag (seconds)
p_res : residual of P-arrival (seconds)
s_std : S standard error
s_res : residual of S-arrival (seconds)
x_mag : local Richter magnitude for amplitude signal
f_mag : duration magnitude calculated according to empirical equation
 (Rebez, Renner, Slejko - 1984)
 $f_mag = a + b \log(t) + c \cdot d$
 t = average duration d = average epicentral distance
 a, b and c = empirical costant

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS							RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q				

01/04/2013	04:54:49,88	45,8966	11,8076	13,82	2	2,2	0	0	0,6	90	0	0,6	B	0,21	0	MONTE GRAPPA (BL)			M 1.9(O)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	i	d	0	04:54:57.37	40,5	295	62,72	2	109						45	0,19		-0,16	1,8	1,8	
ZIAN	e	c	1	04:54:58.35	46,2	336	64,29	2	107							0,22		-0,27	2,1	2,2	
DOSS	e	d	0	04:54:58.40	48,1	268			106						43	-0,03			1,9	1,8	
GAGG	i	d	0	04:55:01.82	69	288			101						44	-0,08			2,4	2,1	
VARA	i	d	1	04:55:02.11	71,2	264			101							-0,16			2,2	2	
OZOL	i	d	0	04:55:03.94	81,1	314			100							-0,01			2,2	2,1	
RNI	e		2	04:55:05.43	92,4	276			99							-0,41			1,9	2,3	
CARE	e	d	1	04:55:07.68	103,9	304			59							-0,11			2	1,9	

01/04/2013	15:30:51,73	46,5429	10,5301	5,83	0,5	0,2	0	0	0,4	90	0	0,4	B	0,05	0	GIOGO STELVIO (BZ)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	e		1	15:30:55.10	18,4	136	57,57	2	108						6	0,07		-0,03	0,9	0,8

01/04/2013	20:09:50,75	45,8011	10,5628	6,74	0,8	1,5	0	0	1,3	90	0	1,3	C	0,1	0	BONDONE (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
RNI	e		2	20:09:54.52	20,5	13	57,36	2	108							0,08		0,04	0,5	0,5	

01/04/2013	23:14:57,50	,	,											0	PANI					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	23:14:57.50			58,91	2							33					

02/04/2013	12:44:30,78	,	,											0	RNI					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI			2	12:44:30.78			31,74	2							26					

02/04/2013	16:32:17,88	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	c	1	16:32:17.88			19,85	1							39					

03/04/2013	09:52:21,44	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	c	1	09:52:21.44			22,2	1							28					

03/04/2013	10:16:25,59	46,1310	11,2070	3,98	1		0	0	2,1	90	0	2,1	D	0,11	2	FORNACE (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	i	c	0	10:16:27.80	13,3	132	29,85	2	107							-0,17		0,03	0,9	0,8	
DOSS	i	c	1	10:16:30.45	27,9	183			98							0,03			0,8	0,9	
ZIAN	i	c	0	10:16:31.08	31,9	60			97							-0,01			0,8	0,6	

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude			LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD		az1	dp1	se1	az2	dp2	se2	q			

03/04/2013	14:43:40,14	45,5908	10,5756	14,9	1,6	2,2	0	0	2	90	0	2	C	0,1	0	SALO' (BS)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e		2	14:43:46.97	36,2	44				112						0,15			1,8	1,5
DOSS	e		2	14:43:50.19	57,5	56				105						-0,11			1,6	1,7

03/04/2013	15:22:31,82	46,1335	11,1788	2,39	1	1,8	0	0	0,5	90	0	0,5	C	0,07	2	ALBIANO (TN)	EXPL?			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	15:22:34.44	15,2	127				99					32	0			1,2	1
DOSS	i	c	1	15:22:36.65	28,2	178				95					30	0			0,9	1
ZIAN	i	c	0	15:22:37.50	33,6	62				94						-0,08			1	0,8
CARE	e	c	2	15:22:40.23	49,2	311				93						-0,01			0	1

03/04/2013	16:30:10,91	,	,											0	ZIAN,PANI							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
ZIAN			1	16:30:10.91			13,77	2							40							
PANI	i	c	1	16:30:12.06			16,05	3							37							

04/04/2013	03:44:47,89	,	,											0	VARA,DOSS							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA	e		2	03:44:47.89	13,3	187	50,03	2	121						8	-0,07		0	0	0,1		
DOSS	e	c	1	03:44:49.42	22,2	109	52,43	3	110							0,07		-0,07	0	0		

04/04/2013	09:25:39,57	46,3515	10,3285	7,41	0,6	1	0	0	0	90	0	0	C	0,03	0	S. ANTONIO MOR. (SO)									
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag					
CARE	e	d	1	09:25:44.81	29,5	74				104						0,03			0	0,7					

04/04/2013	10:11:14,09	46,1818	11,1970	7,34	0,9	1,8	0	0	0,3	90	0	0,3	C	0,04	2	CEMBRA (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e	d	1	10:11:17.44	18	144				112					30	0,02			0,8	0,4
OZOL	e		2	10:11:18.85	27,1	336				105						-0,04			0,8	0,5
ZIAN	e		1	10:11:19.36	30,1	70				104						-0,04			0,8	0,5
DOSS	e	c	2	10:11:20.05	33,6	181				102						0,08			0,8	0,9
CARE	e		2	10:11:22.26	47	305				99						0,03			0	1,1

04/04/2013	10:15:59,15	46,1835	11,2021	5,27	0,9	1,9	0	0	0,2	90	0	0,2	B	0,02	2	CEMBRA (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	i	c	1	10:16:02.35	18	145				106					33	0			1	0,6	
OZOL	e		2	10:16:03.84	27,1	335				101						-0,02			0,8	0,8	
ZIAN	e	c	1	10:16:04.28	29,7	70				100					34	-0,02			1	0,7	
DOSS	e	c	1	10:16:04.99	33,7	182				99						0,01			0,9	1	

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

04/04/2013	14:47:30,17	46,1319	11,1836	4,7	0,8	1,8	0	0	0,4	90	0	0,4	C	0,03	2	ALBIANO (TN)	EXPL?			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	14:47:32.81	14,8	128			108						28	-0,01			0,8	0,6
DOSS	e	c	1	14:47:35.04	28	179			100							0,01			0,7	0,7
ZIAN	e	c	1	14:47:35.89	33,4	61			98							-0,05			0,8	0
CARE	e		2	14:47:38.68	49,6	311			95							-0,01			0	0

04/04/2013	15:20:12,29	46,1240	11,2195	4,61	0,9		0	0	1,2	90	0	1,2	C	0,11	2	BASELGA DI P. (TN)		EXPL?		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e	c	1	15:20:14.43	12,1	132				111						-0,07			0,8	0,7
DOSS	e		2	15:20:17.13	27,2	185				100						0,12			0,8	0,8
ZIAN	e	c	2	15:20:17.58	31,5	57				98						-0,15			0,7	0,8
CARE	e		1	15:20:21.16	52,3	310				95						-0,11			1	0

04/04/2013	17:15:23,89	,	,											0	VARA					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e	c	1	17:15:23.89			24,47	1							26					

04/04/2013	20:34:44,48	,	,											10	PIANURA PADANA EMIL.	M 2.6(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS	i	d	2	20:34:44.48			63,76	3							135					
VARA	e	d	2	20:34:45.27			66,02	3							141					
PANI			3	20:34:46.95			66,99	3							140					
ZIAN			3	20:34:49.58			72,56	3							141					
OZOL			3	20:34:52.78			79,77	3							134					
CARE			2	20:34:54.44			83,45	3							129					

05/04/2013	06:08:27,73	45,7063	10,7770	7,08	0,6	0,9	0	0	0,7	90	0	0,7	B	0,06	0	BRENZONE (VR)				M 0.9(O)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e		2	06:08:30.68	16,2	35	33,23	3	114							-0,08		0,11	0	0	

05/04/2013	16:06:02,68	45,6815	11,6914	23,18	1		0	0	0	90	0	0	C	0,01	0	MAROSTICA (VI)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
DOSS	i	c	1	16:06:11.20	44,9	299				97						-0,02			0	1,1	
PANI	e		2	16:06:11.91	49,5	326				95						0,02			0,8	0,8	

05/04/2013	16:26:10,45	46,1335	11,1775	0,4	0,9		0	0	1,1	90	0	1,1	C	0,08	2	ALBIANO (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	e	c	1	16:26:13.02	15,3	127				92						-0,04			0,8	0,7	
DOSS	e		3	16:26:15.34	28,2	178				91						0,07			1	1	
ZIAN	e		2	16:26:16.13	33,7	62				91						-0,09			0,7	0	
VARA	e		2	16:26:17.53	40,5	212				91						0,15			0	1	

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

05/04/2013	16:47:19,23	46,1378	11,1901	0,28	0,9	1,9	0	0	2	90	0	2	0	0,07	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	16:47:21.74	14,8	131			91						32	-0,03			0,6	0,5
DOSS	e		2	16:47:24.00	28,7	180			91							-0,14			0	1,1
ZIAN	e		1	16:47:24.87	32,6	62			90							0,05			0,6	0,4
VARA	e		2	16:47:26.40	41,5	213			90							0,07			1	0

07/04/2013	03:13:59,10	,	,											10	ALPI MARITTIME			M 3.3(l)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	03:13:59.10			93,6	3							175					
DOSS			3	03:14:01.42			37,76	3							171					
CARE			3	03:14:03.09											170					
PANI		2	03:14:03.86				41,58	3							172					
OZOL		3	03:14:06.27												170					
ZIAN		3	03:14:07.88				50,03	3							176					

07/04/2013	07:57:16,34	45,7601	11,0645	10,13	0,6	1,7	0	0	1,6	90	0	1,6	C	0,11	0	ALA (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e		2	07:57:19.58	15	299	21,83	2	124						31	0,15		-0,01	0,9	0,8	
DOSS	e	c	1	07:57:19.68	16,5	36	22,11	2	122						21	0,04		-0,11	0	0,6	
PANI	e		2	07:57:23.20	38,5	33	28,46	2	105							0,05		0	0,5	0	

07/04/2013	11:15:41,03	46,4428	10,5396	1,6	0,7	1,1	0	0	0,3	90	0	0,3	C	0,06	0	IL GRAN ZEBRU' (SO)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	i	c	0	11:15:43.18	12,3	100	44,72	1	97						17	0,04		-0,08	0,5	0,9	
OZOL	e		2	11:15:47.84	39,6	96			92							0,04			0,6	0,5	

07/04/2013	11:21:33,99	,	,											10						
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
ZIAN			3	11:21:33.99			66,04	3							134					
PANI			2	11:21:35.26			69,62	3							133					
DOSS			3	11:21:37.33			75,05	3							134					
OZOL			3	11:21:38.33			77,94	3							132					
VARA			3	11:21:40.07			81,44	3							130					
CARE			3	11:21:42.77			86,18	3							130					

07/04/2013	11:24:03,76	,	,											10						
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
ZIAN			2	11:24:03.76			37,14	3							172					
PANI	e	c	2	11:24:05.65			42,36	3							172					
DOSS			2	11:24:07.12			45,7	3							173					
OZOL	e	c	2	11:24:08.81			50,25	3							172					
VARA			2	11:24:09.88			53,74	3							172					
CARE			2	11:24:12.15			55,23	3							171					

07/04/2013	14:32:24,39	45,8725	11,9955	9,42	0,8	1,2	0	0	0,2	90	0	0,2	C	0,01	0	VALDOBBIADENE (TV)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
ZIAN	e		2	14:32:34.09	56	323				100						0			0,7	0,8	

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS							RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q				

07/04/2013	16:35:49,36	,	,											10	PIANURA PADANA EMIL.	M 2.2(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	16:35:49.36			63,73	3							104					
DOSS			3	16:35:50.15			63,77	3							108					
PANI			3	16:35:53.03			69,69	2							108					

07/04/2013	23:33:12,57	46,4460	10,5440		2,43	0,7	1,2	0	0	0,7	90	0	0,7	C	0,13	0	IL GRAN ZEBRU' (SO)				M 0.8(S)
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	i	c	0	23:33:14.75	12	101	16,27	1	101						15	0,08		-0,04	0,6	0,7	
OZOL	e		1	23:33:19.40	39,3	97	24,53	2	94							0,09		-0,03	0,6	0,4	

08/04/2013	15:22:46,33	46,1278	11,2098	3,38	0,9	1,8	0	0	0	90	0	0	C	0	2	FORNACE (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	i	c	0	15:22:48.61	12,9	131				105						0			0,9	0,7	
GAGG	i	c	1	15:22:49.80	20	256				100					25	0			0,8	0,9	
DOSS	i	c	1	15:22:51.08	27,6	183				97					32	0			0,8	0,8	
ZIAN	e		2	15:22:51.81	31,9	59				96						0			0,8	0,9	

08/04/2013	18:40:23,79	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	d	1	18:40:23.79			25,32	1							32					

09/04/2013	14:44:22,15	45,9870	10,6970	12,02	1	1,6	0	0	1	90	0	1	B	0,18	0	RONCONE (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
RNI	i	d	1	14:44:24.46	5,8	263	25,94	2	154						23	0,03		-0,27	1,1	1,2	
GAGG	e		0	14:44:26.51	22,9	62	30,28	2	118							-0,07		0,25	0,9	1	
VARA	i	c	1	14:44:26.51	23,7	139				117						-0,18			0	0,6	

09/04/2013	15:07:36,39	46,1323	11,1941	5,38	0,8	1,6	0	0	0,8	90	0	0,8	C	0,07	2	ALBIANO (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	i	c	0	15:07:38.96	14,2	130			111							-0,01			0,7	0,7	
GAGG	e		2	15:07:39.73	19	253			106						24	-0,03			0	1	
DOSS	i	c	1	15:07:41.21	28	181			101							-0,06			0,8	0,8	
ZIAN	e		2	15:07:42.10	32,7	61			99							0,05			0,9	0,7	
VARA	e		2	15:07:43.64	41,1	214			97							0,16			0	0	

09/04/2013	15:59:33,94	46,1336	11,1838	5,38	1,1	1,7	0	0	0,1	90	0	0,1	B	0,01	2	ALBIANO (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	i	c	0	15:59:36.63	14,9	128				110						-0,01			1,1	0,9	
GAGG	i	c	1	15:59:37.20	18,3	252				106						0,01			0,8	1,1	
DOSS	i	c	1	15:59:38.85	28,2	179				101					26	0,01			1	1,1	
ZIAN	i	c	0	15:59:39.70	33,3	62				99						0			0,8	0,6	
CARE	e		1	15:59:42.44	49,5	311				96						-0,01			0	1,3	

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

09/04/2013	20:54:45,48	46,1026	11,8091	9,26	0,6		0	0	0,5	90	0	0,5	B	0,07	0	IMER (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
ZIAN	e		1	20:54:50.47	27,1	315	54,1	2	109							0,09		-0,09	0,5	0,4	

10/04/2013	00:09:16,44	46,6070	10,2610	9,72	1		0	0	3	90	0	3	D	0,17	0	ACQUA DEL GALLO (SO)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	e		2	00:09:23.67	39,1	121	28,42	3	104							0,34		-0,28	1,4	1,2

10/04/2013	00:12:13,49	45,7381	11,0723	6,92	0,4	0,4	0	0	0,2	90	0	0,2	B	0,03	0	ALA (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e		2	00:12:16.55	16,8	305	19,04	2	112						6	-0,04		0,03	0	0	
DOSS	e		2	00:12:16.86	18,2	30	19,39	2	111							0,05		-0,01	0	0,5	

10/04/2013	10:07:18,32	46,1490	11,1776	7,44	0,9	1,5	0	0	0,3	90	0	0,3	C	0,01	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e		2	10:07:21.38	16,3	132				115					22	-0,01			0,6	0,6
GAGG	e		2	10:07:21.73	18,4	247				112						0,01			0,9	0
DOSS	e		2	10:07:23.61	29,9	178				104						0,01			0	0,8
CARE	e		2	10:07:26.65	48	310				99						0,01			0	0

10/04/2013	10:18:08,38	46,1296	11,1875	3,74	1	1,8	0	0	0,4	90	0	0,4	C	0,08	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	10:18:10.90	14,4	128				105						-0,02			0,9	1
GAGG	e	c	1	10:18:11.63	18,4	254				101					30	0,03			0,9	0,8
DOSS	i	c	0	10:18:13.17	27,7	180				98						0			1	0,9
ZIAN	i	c	0	10:18:14.02	33,3	61				96						-0,09			1	0,6
OZOL	e		2	10:18:14.02	32,2	341				97						0,1			0,8	0,7
CARE	e		1	10:18:16.92	50	311				94						-0,04			1	1

10/04/2013	15:32:47,16	46,1419	11,1791	7	0,8	1,6	0	0	0	90	0	0	C	0,01	2	ALBIANO (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	i	c	1	15:32:50.10	15,7	130				114					31	-0,01			0,8	1	
GAGG	e		2	15:32:50.51	18,3	249				111					19	0			0,8	0	
DOSS	e	c	1	15:32:52.29	29,1	179				104						0			0,8	0	

10/04/2013	21:55:39,00	,	,											10	SCHLEITEN [A]			M 2.2(O)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
ZIAN	e	c	2	21:55:39.00			52,43	3							109					
OZOL	e	c	1	21:55:43.12			60,32	3							99					
PANI			2	21:55:43.86			60,91	3							99					
CARE	i	c	1	21:55:47.04			66,82	3							102					
GAGG			2	21:55:47.25			66,49	3							100					
DOSS			2	21:55:47.75			69,73	3							102					
VARA			2	21:55:51.04			73,52	3							99					
RNI	i	c	2	21:55:51.72			75,69	3							99					

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

11/04/2013	09:24:00,96	46,3446	10,3211	4,63	0,9	1	0	0	0,5	90	0	0,5	C	0,05	0	VALLE GROSINA (SO)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	e		1	09:24:06.09	30,3	73	10,3	2	99							-0,11		0,02	0	0,9	
GAGG	e		2	09:24:10.82	57,1	121				95						0,06			0	1,2	

11/04/2013	10:28:24,27	46,1448	11,2336	7	0,7		0	0	0	90	0	0	C	0,01	2	BASELGA DI P. (TN)	EXPL?			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e		1	10:28:26.80	13,1	143				118						-0,01			0,7	0,6
GAGG	e		2	10:28:28.27	22,3	252				107						0			0,7	0
DOSS	e		1	10:28:29.49	29,6	187				103						0,01			0,6	0,6

11/04/2013	12:41:52,87	46,8773	11,3098	5,36	1,2		0	0	1,7	90	0	1,7	C	0,11	0	COLLE (BZ)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	c	1	12:42:04.53	68,8	223				94						-0,14			1,2	0
ZIAN	e		2	12:42:04.93	69,6	164				94						0,13			0	1,4
DOSS	e		2	12:42:11.85	111,3	185				93						-0,06			1,5	1,6

11/04/2013	14:41:19,34	45,5460	10,2298	9,15	1,4		0	0	2,6	90	0	2,6	D	0,12	0	BRESCIA					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
RNI	e		2	14:41:29.33	57,2	32	37,04	3	99							0,09		0,08	1,3	1,5	
VARA	e		2	14:41:29.68	60,5	59				99						-0,12			1,4	1,2	
DOSS	e		1	14:41:33.72	83,4	64				96						0,04			1,3	1,5	

11/04/2013	14:58:57,36	46,1301	11,2208	0,96	0,8		0	0	0	90	0	0	C	0,03	2	FORNACE (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e		1	14:58:59.45	12,5	135				94						-0,04			0,7	0,4
GAGG	e		2	14:59:00.93	20,9	256				93						-0,01			0	0
DOSS	e		2	14:59:02.17	27,9	185				92						0,04			0,6	0,8

11/04/2013	23:29:15,42	,	,											10	MOGGIO UDINESE (UD)				M 2.6(O)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
ZIAN	e	c	2	23:29:15.42			34,19	3							121					
PANI			2	23:29:19.95			38,86	3							119					
DOSS	e	c	2	23:29:21.76			42,95	3							118					
OZOL			2	23:29:22.04			43,47	3							118					
GAGG			3	23:29:23.61			45,87	2							118					
VARA			3	23:29:25.33			48,53	3							117					
CARE			2	23:29:26.04			49,82	3							114					
RNI			3	23:29:27.65			52,48	3							115					

12/04/2013	04:28:31,11	,	,											0	RNI					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI			2	04:28:31.11			32,67	2							29					

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

12/04/2013	09:39:08,68	45,5565	11,0479	18,54	1,1		0	0	3,5	90	0	3,5	D	0,13	0	GREZZANA (VR)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e		2	09:39:15.02	32,2	338				120						-0,01			1	1,1	

12/04/2013	12:16:14,51	45,7706	11,4581	14,54	1,1		0	0	0,8	90	0	0,8	B	0,11	0	CALTRANO (VI)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag			
PANI	e		1	12:16:20.36	32,6	343	25,5	2	114							-0,25		0,13	0,8	0,6			
GAGG	e		2	12:16:23.85	52,1	312				106						0,1			0	1,2			

12/04/2013	23:21:27,54	46,6146	10,2853	5,98	1,3	1,6	0	0	1,6	90	0	1,6	C	0,24	0	ACQUA DEL GALLO (SO)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	e		2	23:21:33.95	38	124	38,81	2	99							-0,17		-0,44	1,1	1,3
OZOL	e		2	23:21:38.79	63,3	112				95						0,38			0,9	0,7

13/04/2013	16:32:20,91	46,4271	10,8778	5,39	0,7		0	0	0,9	90	0	0,9	B	0,07	0	BRESIMO (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
OZOL	i	c	0	16:32:23.39	13,6	101	25,35	2	112							-0,02		-0,01	0,4	0,5	
CARE	i	c	0	16:32:23.51	13,9	269	25,43	2	111							0,06		0	0,4	0,5	

14/04/2013	04:34:33,36	,	,											10	VAL DI TARO				M 2.5(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA			2	04:34:33.36			56,26	3														
RNI			2	04:34:34.31			58,66	3														
DOSS			2	04:34:35.65			59,49	3														
GAGG			2	04:34:36.64			60,51	3														
PANI			2	04:34:38.53																		
CARE			2	04:34:40.23			66,76	3														
OZOL			2	04:34:41.79			70,88	3														
ZIAN			2	04:34:42.77			70,55	3														

14/04/2013	04:35:53.83	,	,											10	VAL DI TARO				M 2.5(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA			2	04:35:53.83			77,08	3														
RNI			3	04:35:54.55			78,51	3														
DOSS			3	04:35:56.51			80,38	3														
GAGG			3	04:35:56.88			80,87	3														
PANI			3	04:35:58.70																		
CARE			2	04:36:00.87			26,87	3														
OZOL			3	04:36:02.30			30,87	3														
ZIAN			3	04:36:02.44			31,1	3														

14/04/2013	04:38:23,32	,	,											10	PARMENSE	M 2.1(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	04:38:23.32			38,96	3							95					
RNI			3	04:38:24.49			41,24	3							94					
DOSS			2	04:38:25.13			42,37	3							91					
GAGG			3	04:38:26.38			44,9	3							92					
PANI			3	04:38:27.64			47,03	3							92					

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS							RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q				

14/04/2013	10:01:17,21	,	,											10	VAL DI TARO				M 2.4(l)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA		3		10:01:17.21			40,08	3							105							
RNI		3		10:01:18.16			41,76	3							108							
DOSS		2		10:01:19.51			43,29	3														
GAGG		3		10:01:20.42			43,66	3							109							
PANI		3		10:01:21.79											108							
CARE		3		10:01:24.27			50,44	3							107							
OZOL		3		10:01:25.78			53,03	3							105							
ZIAN		3		10:01:26.03			53,83	3							105							

14/04/2013	13:36:37,38	45,6101	10,1676	4,48	2,9	2,8	0	0	1,5	90	0	1,5	C	0,26	0	GUSSAGO (BS)			M 2.7(l)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
RNI	e	d	1	13:36:46.83	54,3	41	53,75	2	95						92	0,14		-0,21	3	3	
VARA	e		2	13:36:48.38	61,6	67			94							0,44			2,9	2,8	
GAGG	e		2	13:36:51.04	80,9	49			93						105	-0,19			3	2,9	
DOSS	e		2	13:36:51.86	84,9	69			93						114	-0,06			2,9	3,1	
CARE	e		2	13:36:54.22	99,4	24			93						87	-0,16			3,1	3	
PANI	e	c	2	13:36:55.00	103,1	62			92						84	-0,01			3,2	2,8	
OZOL	e		2	13:36:56.99	111,6	38			92							0,52			2,9	2,8	
ZIAN	e	d	2	13:36:59.83	131,1	56			92							0,02			3,2	3,2	

14/04/2013	18:44:30,45	46,6056	10,4063		6,5	1,4	1,4	0	0	1	90	0	1	C	0,21	0	VAL D' AVIGNA (SO)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	e		1	18:44:35.78	30,1	132			102						19	0,08			1,1	1,1
OZOL	e	c	1	18:44:40.07	54,4	114	46,64	2	97							0,26		-0,48	1,3	1,3
RNI	e		2	18:44:42.82	71,4	166			95							0,11			1,2	1,3
ZIAN	e		2	18:44:47.08	96,1	112			94							0,16			1,3	1,2

14/04/2013	20:01:00,79	46,7398	10,5290	5,33	1	0,6	0	0	1,8	90	0	1,8	C	0,11	0	MALLES VENOSTA (BZ)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	e		2	20:01:07.16	37,4	160				98						-0,08			1,3	0

14/04/2013	20:35:35,96	,	,											10	VAL DI TARO				M 2.5(l)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA		3		20:35:35.96			59,59	3							132							
RNI		3		20:35:36.69			61,3	3							132							
DOSS		3		20:35:38.14			61,81	3							127							
GAGG		3		20:35:39.04			62,78	3							129							
PANI		3		20:35:41.07			65,74	3							130							
CARE		3		20:35:42.89			69,12	3							126							
OZOL		3		20:35:43.46			72,49	3							130							
ZIAN		3		20:35:45.03			73,14	3							136							

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

15/04/2013	00:19:47,38	45,7304	10,7751	8,63	1,4	2,1	0	0	0,4	90	0	0,4	B	0,08	0	BRENZONE (VR)			M1.2(O)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	i	c	1	00:19:50.03	14,2	42	52,56	2	121							-0,19		0,13	1,3	1,3	
RNI	e		2	00:19:52.77	30,2	337	56,85	3	106						34	0,02		-0,1	1,2	1,4	
DOSS	e		2	00:19:53.78	36,2	63	58,65	3	103							0,04		-0,05	1,3	1,2	
PANI	e		2	00:19:57.14	56,2	51			99							0,05			1,3	1	
ZIAN	i	c	1	00:20:02.01	86,1	45			96							-0,15			1,3	1,3	

15/04/2013	01:53:49,24	,	,											10	PIANURA PADANA EMIL.	M 2.1(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			2	01:53:49.24			64,1	2												
DOSS			2	01:53:50.23			64,09	3							93					
RNI			3	01:53:53.02			70,73	3							95					
PANI			3	01:53:53.10			69,79	3							94					
GAGG			3	01:53:53.95			71,16	3							92					
ZIAN			3	01:53:57.16			76,9	3							94					
OZOL			3	01:53:58.86			80,55	3							92					

15/04/2013	01:55:04,00	45,7283	10,7756	10,03	0,5	0,8	0	0	0,1	90	0	0,1	C	0,01	0	BRENZONE (VR)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e		2	01:55:06.98	14,4	41	9,34	2	125							-0,01		0,01	0,4	0,6

15/04/2013	05:04:42,41	45,8500	10,9335	14,87	0,5	1,6	0	0	0,7	90	0	0,7	B	0,15	0	MORI (TN)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	i	c	1	05:04:45.25	3,9	227	47,33	2	165						23	0,21		0,24	-0,1	-0,3
DOSS	i	c	1	05:04:46.77	20,1	80	49,76	2	126							0,09		-0,26	0	0
GAGG	e		1	05:04:47.64	26	4	51,44	1	120							0,11		-0,09	0	1,1
PANI	e	c	1	05:04:49.49	38,3	54			111							0,06			0	0

15/04/2013	08:28:29,28	,	,											0	OZOL					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL			2	08:28:29.28			31,56	3							50					

15/04/2013	10:00:08,34	46,1518	11,1608	7	0,9		0	0	0	90	0	0	C	0	2	GIOVO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
GAGG	e	c	1	10:00:11.54	17,4	244				112						0			0	0,7
DOSS	e		2	10:00:13.66	30,3	176				103						0,01			0	0

15/04/2013	10:09:19,85	46,7445	10,7901	5,04	1,2		0	0	0,7	90	0	0,7	C	0,16	0	PUNTA SALDURA (BZ)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	e		2	10:09:26.14	36,3	191	30,8	2	98							0,03		-0,19	0	1,2	

15/04/2013	14:24:42,80	,	,											0	RNI					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI			2	14:24:42.80			44,6	3							28					

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

15/04/2013	16:12:19,91	46,1341	11,1803	1,5	1		0	0	0,7	90	0	0,7	C	0,08	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	16:12:22.47	15,1	128				96						-0,03			1	0,8
GAGG	i	c	0	16:12:23.00	18	252				95						0			0	0
DOSS	e	c	2	16:12:24.66	28,3	179				93						-0,08			0	0,8
ZIAN	e		1	16:12:25.60	33,5	62				93						-0,04			0,8	0,7
VARA	e	c	2	16:12:27.10	40,7	213				92						0,23			1,2	0
CARE	e		2	16:12:28.29	49,3	311				92						-0,04			1,3	1,2

15/04/2013	16:26:42,60	46,1248	11,2180	5,98	1		0	0	0,3	90	0	0,3	B	0,04	2	FORNACE (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	16:26:44.91	12,2	132				116						-0,02			1	0,7
GAGG	i	c	0	16:26:46.23	20,6	257				106						-0,03			1,1	0
DOSS	e	c	1	16:26:47.43	27,3	185				102						0,05			0	0
ZIAN	e	c	1	16:26:48.04	31,5	58				101						-0,05			0,7	0,6
CARE	e		2	16:26:51.53	52,2	310				97						-0,05			1,3	0

16/04/2013	07:29:47,53	45,7289	10,7715	8,14	0,9	1,7	0	0	0,7	90	0	0,7	B	0,1	0	BRENZONE (VR)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e		2	07:29:50.11	14,5	42	52,65	2	119							-0,26		0,06	0,9	0,9	
DOSS	e	c	1	07:29:53.95	36,5	63				103						0,02			0	0	

16/04/2013	10:09:00,39	46,1125	11,2545	7,62	0,9	1,6	0	0	0	90	0	0	C	0	2	BASELGA DI P. (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	10:09:02.44	9,3	138				129					25	0			0,8	0,2
GAGG	e		2	10:09:04.55	23,1	262				108						0			0	0,9
DOSS	e	c	2	10:09:05.08	26,3	191				106					21	0			0	1
ZIAN	e		2	10:09:05.68	30	53				104						0			0,8	0,5

16/04/2013	15:09:13,73	46,1290	11,1871	4,22	1	2	0	0	0	90	0	0	C	0	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	15:09:16.28	14,3	127				106					34	0			1,1	1,1
GAGG	e	c	1	15:09:16.95	18,4	254				103						0			0,8	0
DOSS	e	c	1	15:09:18.51	27,7	180				99						0			0,9	0,9
CARE	e		2	15:09:22.31	50	311				95						0			1,2	1,2

16/04/2013	16:41:31,61	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	e	d	1	16:41:31.61			31,89	2							20					

16/04/2013	22:21:19,78	45,6048	10,4500	1,87	1,2		0	0	0,7	90	0	0,7	D	0,1	0	GAVARDO (BS)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e		3	22:21:27.05	42,6	55	32,79	2	93							-0,02		0,04	1,2	1,2	
RNI	e		2	22:21:27.35	43,9	18	33,18	2	92							0,06		0,03	1	1,1	
DOSS	e		2	22:21:30.84	65,1	62			92							-0,08			1,2	1,4	
ZIAN	e		2	22:21:39.44	114,1	49			91							0,15			0	1,1	

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA		NOTES	
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q					

16/04/2013	23:49:24,54	45,7265	11,0296	9,06	0,9	1,6	0	0	0,3	90	0	0,3	B	0,09	0	ALA (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	i	d	1	23:49:27.65	15,2	317	29,93	2	121						23	0,09		0,02	0,9	0,7	
DOSS	e		2	23:49:28.56	21,1	36	31,36	2	113							0,1		-0,16	0	0,8	
GAGG	e		2	23:49:31.60	40,1	352	37,07	2	103							0,04		0,03	1,2	0	

17/04/2013	07:55:36,29	46,4521	10,6386	4,09	1	1,7	0	0	0,6	90	0	0,6	B	0,06	0	MONTE CEVEDALE (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	e	d	1	07:55:37.46	5,5	124	38,38	1	127						27	-0,01		0	0,9	1,1	

17/04/2013	14:45:06,12	,	,											10	VALDARNO INFERIORE				M 3.1(l)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA			2	14:45:06.12			34,96	3							161							
DOSS			3	14:45:06.20			33,64	3							155							
RNI			3	14:45:09.42			38,11	3							160							
GAGG			3	14:45:10.46			40,34	3							156							
PANI			3	14:45:10.51			37,93	3							159							
ZIAN			3	14:45:12.81			43,32	3							162							
OZOL			2	14:45:15.08			47,83	3							156							
CARE			3	14:45:15.19			48,54	3							155							

17/04/2013	14:51:11,20	,	,											10	VALDARNO INFERIORE				M 3.3(l)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			2	14:51:11.20			38,62	3							172					
DOSS			3	14:51:11.31			38,89	3							173					
RNI			3	14:51:13.93			43,66	3							171					
PANI			3	14:51:14.61			43,18	3							170					
GAGG			3	14:51:14.95			45,78	3							174					
ZIAN			2	14:51:17.76			48,58	3							176					
CARE			3	14:51:20.09											168					
OZOL			2	14:51:20.14			53,15	3							170					

17/04/2013	15:06:23,54	46,1323	11,1853	4,44	1		0	0	0	90	0	0	C	0	2	ALBIANO (TN)		EXPL?		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e		2	15:06:26.16	14,7	128				107						0			1	0,9
GAGG	e		2	15:06:26.76	18,3	253				104						0			1	0,9
DOSS	e		2	15:06:28.39	28	179				99						0			0	0,9

17/04/2013	20:00:34,50	45,7573	11,0401	9,39	0,7	1,4	0	0	0,3	90	0	0,3	B	0,09	0	ALA (TN)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag			
VARA	e	d	1	20:00:37.41	13,5	304	39,59	2	125						20	0,09		0,07	0,8	0,7			
DOSS	e		2	20:00:38.04	17,9	40	40,6	2	118							0,08		-0,05	0	0			
GAGG	e		2	20:00:41.04	36,8	350	45,95	2	104							0,04		-0,11	0	0			

18/04/2013	09:28:55,07	46,3448	10,3080	6,23	0,9		0	0	2,5	90	0	2,5	D	0,17	0	VALLE GROSINA (SO)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag			
CARE	i	d	0	09:29:00.32	31,2	74			101							-0,2			0	1			

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

18/04/2013	10:02:53,53	45,7171	9,9438	11,74	1,6		0	0	28,7	90	0	28,7	0	0,17	0	CAFFI (BG)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
RNI	e	2		10:03:04.19	60,3	61				101						0,16			1,4	1,6	

18/04/2013	13:29:54,67	,	,											10						
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL		3		13:29:54.67			72,59	3							108					
CARE		3		13:29:55.98			75,63	3							115					
PANI		2		13:29:58.55			79,32	3							108					
GAGG		3		13:30:00.10			21,04	3							107					
DOSS		3		13:30:01.47			24,79	3							110					
VARA		3		13:30:04.35			29,36	3							109					
RNI		3		13:30:04.64			28,42	3							107					

19/04/2013	00:39:13,11	45,6940	10,9636	12,85	0,6	1,8	0	0	0,7	90	0	0,7	B	0,09	0	ALA (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e	d	1	00:39:16.67	15,6	340	19,18	2	130						26	0,11		-0,07	0,6	0	
RNI	e		2	00:39:20.61	41,4	320				107						0,08			0,5	0,5	

19/04/2013	12:39:03,93	45,4825	10,4876	4,94	1,9	2,4	0	0	1,9	90	0	1,9	D	0,21	0	DESENZANO (BS)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e		2	12:39:12.65	49,7	40	19,19	3	96							0,18		0,06	2	2	
RNI	e		2	12:39:13.79	56,4	11	21,24	3	95							0,19		0,09	1,7	2	
DOSS	e		2	12:39:15.78	70,3	51			94							-0,19			1,8	1,9	
GAGG	e		2	12:39:17.05	76,2	29			94							0,07			1,7	1,8	
PANI	e		2	12:39:19.75	91,3	46			93							0,19			2,1	1,8	
CARE	e		2	12:39:22.23	106	9			93							0,17			0	1,5	
ZIAN	e		2	12:39:24.61	121,5	43			92							-0,1			2,1	2,1	

20/04/2013	07:58:24,97	,	,											10	ALTA VAL TIBERINA			M 3.6(l)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		2		07:58:24.97			58,47	3							194					
RNI		2		07:58:28.65											195					
GAGG		3		07:58:28.78											196					
ZIAN		3		07:58:30.02			64	3							193					
OZOL		2		07:58:32.81			72,58	3							197					
CARE		3		07:58:34.42			73,26	3							189					

20/04/2013	12:21:50,30	,	,											10	ST ANT. ARLBERG [CH]	M 3.4(S)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE			2	12:21:50.30			63,8	3							185					
OZOL			2	12:21:53.32			76,22	3							181					
GAGG			2	12:21:57.77			82,78	3							185					
RNI	i	c	2	12:21:57.95			77,17	3							181					
ZIAN			3	12:21:59.78			84,44	2							184					
PANI			2	12:22:01.35			25,99	3							181					
VARA			3	12:22:02.28			27,59	3							183					
DOSS			3	12:22:02.44			27,7	3							184					

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS							RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q				

20/04/2013	22:08:33,81	,	,											0	RNI					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI		3		22:08:33.81			35,6	2							28					

21/04/2013	03:03:35,24	,	,											0	PANI					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	d	1	03:03:35.24			36,13	2							24					

21/04/2013	06:02:20,99	,	,											10	ALTA VAL TIBERINA	M 3.1(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS		3		06:02:20.99											158					
ZIAN		3		06:02:24.54											158					
RNI		3		06:02:24.56											157					
GAGG		3		06:02:24.75											157					
OZOL		2		06:02:28.49											156					

21/04/2013	06:18:17,72	,	,											10	ALTA VAL TIBERINA	M 3.2(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		3		06:18:17.72											193					
DOSS		3		06:18:17.88											184					
PANI		3		06:18:19.37											187					
GAGG		3		06:18:21.68											184					
RNI		3		06:18:22.28											190					
ZIAN		3		06:18:22.30											195					
OZOL		3		06:18:25.44			64,15	3							185					

21/04/2013	22:56:46,06	,	,											10	PIANURA PADANA LOMB.				M 2.4(I)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e	c	2	22:56:46.06			59,23	2							105					
DOSS			2	22:56:46.64			59,62	2							109					
RNI			2	22:56:49.51			65,77	2							105					
PANI			2	22:56:49.96			65,85	2							104					
GAGG			2	22:56:50.42			66,8	2							107					
ZIAN			2	22:56:53.82			72,95	2							106					
OZOL			2	22:56:55.79			76,33	3							106					
CARE			3	22:57:06.91			27,67	2							104					

22/04/2013	03:51:56,95	,	,											10	MONTEFELTRO			M 3.6(I)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS			2	03:51:56.95			79,42	1							177					
VARA	i	d	1	03:51:57.57			80,04	2							182					
PANI			2	03:51:58.93			82,93	2							178					
GAGG			2	03:52:00.52			26,28	2							175					
RNI			2	03:52:00.63			27,19	3							178					
ZIAN	e	d	2	03:52:01.72			27,59	3							184					
OZOL			2	03:52:04.94			34,2	3							176					
CARE	i	d	1	03:52:06.76			35,96	3							175					

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

22/04/2013	10:59:26,09	,	,											0	VARA,DOSS					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	10:59:26.09			27,24	2							27					
DOSS			3	10:59:26.46			28	2							28					

22/04/2013	13:25:44,85	45,7561	11,0473		7,56	0,8	1,9	0	0	0,3	90	0	0,3	B	0,06	0	ALA (TN)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	i	d	2	13:25:47.57	14,1	303	49,71	2	118							-0,01		0	1	1
DOSS	e	d	1	13:25:48.22	17,6	39	50,69	2	113						31	0,09		0	0,4	0,6
GAGG	e		2	13:25:51.17	37	349			102							-0,14			0	1
PANI	e		2	13:25:51.78	39,6	34			101							0,03			0,9	0,7

22/04/2013	15:42:20,88	46,1288	11,1815		5,81	1		0	0	0,2	90	0	0,2	C	0,01	2	ALBIANO (TN)	EXPL?		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e		2	15:42:23.57	14,7	126			112							-0,01			1	0,9
GAGG	e		1	15:42:24.12	18	254			108							0,01			0,8	0,8
DOSS	e	c	2	15:42:25.74	27,7	179			102							0,02			1	0,8
CARE	e		2	15:42:29.43	49,7	311			97							-0,01			0	0,9

23/04/2013	10:08:55,92	46,1333	11,1911		5,22	1,1		0	0	0,3	90	0	0,3	B	0,06	2	ALBIANO (TN)	EXPL?		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	10:08:58.53	14,4	130			110							-0,01			1,1	0,9
GAGG	i	c	1	10:08:59.22	18,8	253			106							-0,04			0,8	1
DOSS	i	c	1	10:09:00.80	28,2	180			101							-0,02			1	1,1
ZIAN	i	c	1	10:09:01.61	32,8	61			99							0			1,2	0,6
VARA	e		2	10:09:03.17	41,1	214			97							0,17			1	0,8
CARE	i	c	1	10:09:04.48	50	310			96							-0,03			0	1

23/04/2013	10:39:39,58	45,7705	10,9941		13,51	1,2	2	0	0	0,5	90	0	0,5	C	0,16	0	ALA (TN)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e	c	1	10:39:42.76	9,8	309	45,01	2	144						33	0,33		0,35	1,5	1,2
DOSS	i	c	0	10:39:43.78	19,4	51	46,56	2	125						44	0,16		-0,22	1,2	1
GAGG	e	d	2	10:39:45.94	34,9	355	50,65	2	111							-0,04		-0,32	1,3	1,2
RNI	e		2	10:39:46.26	37,1	309			110							-0,08			0,9	0,8
PANI	e		2	10:39:47.04	40,9	40			108							0,1			1	0,8
ZIAN	e		2	10:39:52.04	71,4	38			101							0,03			1	1
CARE	e		2	10:39:52.83	76,2	342			100							0,01			1,3	0

24/04/2013	01:59:02,67	,	,												10					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		2		01:59:02.67			17,66	3							82					
DOSS		2		01:59:02.67			16,63	3							83					
PANI		3		01:59:05.29			22,57	3							82					
GAGG		2		01:59:06.54			23,9	3							83					
ZIAN		3		01:59:08.85			28,09	3							83					
OZOL		3		01:59:11.67			33,53	3							81					
CARE		3		01:59:13.12			35,39	2							81					

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

24/04/2013	10:17:24,34	46,1270	11,1930	7,22	0,9	1,6	0	0	0,3	90	0	0,3	B	0,04	2	FORNACE (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	10:17:27.01	13,9	128			118						28	0			0,9	0,6
GAGG	e	c	1	10:17:27.72	18,8	255			111						20	-0,05			0	0,7
DOSS	i	c	1	10:17:29.26	27,5	181			105							0,07			0,9	0,7
OZOL	e		2	10:17:30.08	32,6	340			102							0,03			0,9	0,7
ZIAN	e	c	1	10:17:30.09	33	60			102							-0,03			0,9	0,7

24/04/2013	14:05:50,84	45,8831	11,7315	13,13	1,1	1,6	0	0	0,8	90	0	0,8	B	0,1	0	MONTE GRAPPA (VI)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag			
PANI	e		2	14:05:57.43	36	301	62,6	2	110							0,05		0,12	0,8	0,9			
DOSS	e	c	2	14:05:58.24	42,1	270	64,25	2	107						23	-0,14		-0,01	1,3	1,3			

24/04/2013	15:06:28,81	46,1400	11,1380	4,97	0,7		0	0	0	90	0	0	C	0	2	TRENTO			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
GAGG	e		2	15:06:31.55	15,2	246				108						0			0,7	0,5
PANI	e	c	1	15:06:32.03	18,2	123				105						0			0,4	0,2
DOSS	e	c	1	15:06:33.87	29,2	172				100						0			0,8	0
CARE	e		2	15:06:36.79	46,4	313				96						0			1	1

24/04/2013	17:01:39,69	46,1315	11,1815	5,88	0,9		0	0	0,4	90	0	0,4	C	0,04	2	ALBIANO (TN)	EXPL?			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	17:01:42.40	14,9	127				112						-0,02			0,8	0,8
GAGG	e	c	1	17:01:42.92	18	253				108						-0,01			0,7	0
DOSS	e		1	17:01:44.61	28	179				102						0,04			1	0,9
ZIAN	e	c	1	17:01:45.49	33,6	61				100						-0,02			0,8	0,5
CARE	e	c	1	17:01:48.20	49,5	311				97						-0,01			0,9	1

24/04/2013	21:24:27,97	46,4218	10,8651	9,17	1	1,7	0	0	0,5	90	0	0,5	B	0,16	0	RABBI (TN)				M 1.2(S)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag			
CARE	i	c	0	21:24:30.90	12,9	271	32,78	2	125							0,23		0	1,2	0,7			
OZOL	i	c	0	21:24:30.97	14,5	98	33,03	2	122						36	0,07		-0,15	1	1,1			
GAGG	e		2	21:24:34.82	38,3	169	39,96	3	103							0,12		0,01	0	0			

25/04/2013	02:55:20,87	,	,											10	PIANURA PADANA LOMB.				M 2.0(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA			2	02:55:20.87			36,55	3							92							
DOSS			2	02:55:21.58			37,26	3							96							
RNI			2	02:55:24.11			42,03	3							89							
PANI			2	02:55:25.02			42,56	3							89							
GAGG			2	02:55:25.34			42,71	3							95							
ZIAN			2	02:55:29.10			49,2	3							94							
OZOL			2	02:55:30.79			51,8	3							90							
CARE			2	02:55:31.62			53,21	3							93							

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

25/04/2013	18:15:05,67	45,8891	11,0510	8,06	0,4	0,7	0	0	0,3	90	0	0,3	B	0,05	0	ROVERETO (TN)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS	i	c	0	18:15:08.01	10,8	95	9,69	2	127						9	0,05		-0,07	0,5	0,3
VARA	e	c	1	18:15:08.40	13,9	240	10,59	2	120						9	-0,01		0,03	0	0,4
GAGG	e		2	18:15:09.85	22,7	342	12,93	2	110							0,06		-0,08	0	0
PANI	e		2	18:15:10.81	28,4	51			106							0,1			0,3	0

25/04/2013	21:14:11,34	,	,											10	PIANURA PADANA LOMB.	M 2.2(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			2	21:14:11.34			26,55	3							95					
DOSS			2	21:14:11.84			28,05	3							95					
RNI			2	21:14:14.65			32,49	3							95					
PANI			1	21:14:15.54			32,81	3							97					
GAGG	i	c	1	21:14:15.84			33,01	3							96					
ZIAN			2	21:14:19.65			39,96	3							96					
OZOL			3	21:14:20.89			42,79	3							93					
CARE			2	21:14:21.99			43,65	3							95					

25/04/2013	23:38:35,70	,	,											10	PIANURA PADANA LOMB.	M 2.3(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			2	23:38:35.70			51,45	3							93					
DOSS			2	23:38:36.38			51,69	3							86					
RNI			2	23:38:39.23			57,05	2							92					
PANI	i	d	2	23:38:40.13			57,05	3							91					
GAGG			2	23:38:40.18			57,7	3							90					
ZIAN			2	23:38:44.07			64,35	3							95					
OZOL			3	23:38:45.57			67,71	3							91					
CARE			2	23:38:46.42			67,82	3							85					

26/04/2013	02:32:16,17	45,6960	11,1405	5,09	0,6	0,7	0	0	0,5	90	0	0,5	B	0,11	0	CIMA CAREGA (TN)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS	e		2	02:32:19.90	20,8	10	22,55	2	104						11	0,07		-0,14	0,6	0,5
VARA	e	d	1	02:32:20.46	23,9	307	23,67	2	102						9	0,12		0,07	0,5	0,5

26/04/2013	10:08:08,83	46,1096	11,2428	5,09	0,7	1,8	0	0	0,6	90	0	0,6	B	0,05	2	BASELGA DI P. (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e	c	1	10:08:10.67	9,7	133				118					29	-0,03			0,8	0,6
GAGG	e	c	2	10:08:12.79	22,2	262				103						0,08			0	0,6
DOSS	e		2	10:08:13.34	25,9	189				101						0,01			0,7	0,7
ZIAN	e		2	10:08:14.24	30,9	53				99						0,06			0,8	0,6
CARE	e		2	10:08:18.16	54,7	310				95						-0,06			0	0

26/04/2013	10:23:20,61	46,1786	11,2076	8,06	0,8	1,7	0	0	0,2	90	0	0,2	B	0,03	2	CEMBRA (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	10:23:23.86	17,3	145				115					25	-0,01			0,9	0,8
GAGG	i	c	1	10:23:24.59	22	241				110					26	-0,01			0,7	0,7
OZOL	e	c	1	10:23:25.55	27,7	334				106						0,01			0,6	0,4
ZIAN	e		1	10:23:25.82	29,5	68				105						-0,01			0,9	0,8
DOSS	i	c	2	10:23:26.52	33,2	183				104						0,07			0,8	0,8
CARE	e		2	10:23:28.85	47,9	305				100						-0,05			0,9	0

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

26/04/2013	12:23:18,48	45,7520	12,1468	16,01	1,8	1,8	0	0	3,1	90	0	3,1	D	0,17	0	VOLPAGO (TV)			M 1.7(O)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e		2	12:23:31.00	71,2	298				103						0,03			1,5	1,5
ZIAN	e		2	12:23:31.56	73,8	322				102						0,17			1,6	1,6
DOSS	e		2	12:23:31.72	75,8	281				102						-0,01			1,7	1,8
VARA	e	c	2	12:23:35.61	97,6	275				59						0,34			2	2
GAGG	e		2	12:23:35.64	99,3	292				59						0,12			1,7	1,7

27/04/2013	00:29:28,77	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	c	0	00:29:28.77			29,21	1							30					

27/04/2013	06:54:17,30	46,0558	11,7456	6,39	0,8	0,9	0	0	0,5	90	0	0,5	B	0,08	0	FONZASO (BL)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
ZIAN	e		2	06:54:22.27	28,3	330	26,19	1	103						10	0,02		0,08	0,7	0,8

28/04/2013	17:28:48,58	46,3746	10,9853	10,11	0,5	0,4	0	0	2,2	90	0	2,2	C	0,09	0	CALDES (TN)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL	i	d	1	17:28:50.58	6	58	52,19	2	149						7	-0,01		0,03	0,1	0
CARE	i	c	1	17:28:52.96	22,8	284	56,04	2	114							0,11		-0,14	0,6	0,4

29/04/2013	21:37:06,48	45,8448	11,8011	12,9	0,5	0,7	0	0	1,8	90	0	1,8	C	0,13	0	MONTE GRAPPA (TV)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS	e		2	21:37:15.14	47,7	275	21,36	3	105							0,22		-0,15	1,1	0

30/04/2013	00:11:11,19	,	,											10						
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
ZIAN			2	00:11:11.19			57,1	3							177					
DOSS			2	00:11:12.28			59,73	3							180					
VARA			1	00:11:14.94			63,93	3							175					
OZOL			2	00:11:16.82			69,74	3							178					
RNI			3	00:11:18.45			73,23	3							176					
CARE			2	00:11:20.13			77,47	3							176					

30/04/2013	04:08:24,47	45,7648	10,5765	3,14	1,6	1,8	0	0	0,7	90	0	0,7	C	0,09	0	BAGOLINO (BS)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
RNI	e		1	04:08:28.63	24,3	9	32,2	3	97						36	-0,03		0,28	1,5	1,5	
GAGG	e		2	04:08:32.34	46,2	40	38,54	2	94							-0,05		-0,02	1,4	1,4	
DOSS	e		3	04:08:33.03	49,3	75	39,56	3	94							0,12		0,06	1,5	1,5	

30/04/2013	10:05:45,84	46,1393	11,2126	4,74	0,6		0	0	0	90	0	0	C	0,01	2	LONA - LASES (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e		1	10:05:48.31	13,6	136				109						0			0,5	0,5
GAGG	e		2	10:05:49.44	20,6	252				103						-0,01			0	0,6
DOSS	e		2	10:05:50.86	28,9	184				99						0,01			0,8	0
ZIAN	e		2	10:05:51.21	31	61				99						0			0,5	0,6

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

30/04/2013	10:35:23,86	46,1310	11,1875	6,61	0,7		0	0	0,4	90	0	0,4	C	0,04	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e		2	10:35:26.58	14,5	128				115						0,01			0,6	0,4
GAGG	e		1	10:35:27.18	18,5	253				110						-0,03			0,7	0,7
DOSS	e		2	10:35:28.82	27,9	180				103						0,06			0	0,7
OZOL	e		2	10:35:29.54	32	341				102						0,09			0,8	0,6
ZIAN	e	c	1	10:35:29.62	33,2	61				101						-0,02			0,7	0,5
CARE	e		2	10:35:32.45	49,9	311				98						-0,01			0	0,9

30/04/2013	19:42:58,78	45,7770	10,5018	12,24	3	3	0	0	0,8	90	0	0,8	C	0,17	0	BAGOLINO (BS)			M 3.0(O)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
RNI	e		2	19:43:03.67	24,5	23	7,32	2	117						122	0,21		0,2	3	3,2	
VARA	e		2	19:43:04.56	31,2	80	9,12	3	111							0,06		0,16	3,1	2,8	
GAGG	e		2	19:43:07.28	49,2	46			104						132	-0,16			3	2,7	
DOSS	e	d	1	19:43:08.31	54,6	78			103							-0,03			2,8	3	
PANI	e		2	19:43:11.15	71,4	65			100							-0,02			2,9	2,6	
CARE	i	d	1	19:43:11.65	73,5	12			99						87	0,13			2,9	3	
OZOL	e		2	19:43:12.74	81,6	31			99							-0,14			3,1	3	
ZIAN	e		2	19:43:15.65	99,2	56			97							-0,21			2,8	2,8	

01/05/2013	10:31:13,78	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	c	0	10:31:13.78			14,06	2							28					

02/05/2013	03:31:24,56	46,0038	10,9328	15,31	0,9	1,6	0	0	1,5	90	0	1,5	C	0,09	0	DRO (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
GAGG	e		2	03:31:27.71	9,1	13	29,9	2	149						23	0,1		-0,08	0,5	0,4	
RNI	e		2	03:31:29.35	24,2	264	33,28	3	122							-0,1		0,01	0,7	1,1	

02/05/2013	10:23:51,50	46,1375	11,1810	6,58	1	1,9	0	0	0,2	90	0	0,2	B	0,03	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	10:23:54.37	15,3	129				113					39	0,02			1,1	1,1
GAGG	e	c	2	10:23:54.78	18,2	251				110					30	-0,03			1	0,9
DOSS	e	c	2	10:23:56.56	28,6	179				103						0,04			0,9	1
OZOL	e		2	10:23:57.03	31,2	341				102						0,08			1,2	0,9
ZIAN	i	c	1	10:23:57.29	33,3	62				101						-0,01			0,9	0,8
CARE	e	c	1	10:23:59.93	49,1	311				98						-0,03			1,1	0,9

02/05/2013	15:12:02,83	46,1440	11,1883	7	0,8		0	0	0	90	0	0	C	0	2	ALBIANO (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	e	c	1	15:12:05.71	15,4	132				115						0			1	0,8	
GAGG	e		2	15:12:06.29	19	249				110						0			0,8	0,7	
DOSS	e		2	15:12:07.99	29,4	180				103						0			0,8	0,8	

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS							RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q				

02/05/2013	15:27:28,05	46,1281	11,2253	5,35	1	1,8	0	0	0,3	90	0	0,3	B	0,03	2	BASELGA DI P. (TN)		EXPL?		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	15:27:30.30	12,1	135				114					30	-0,01			1,1	1,1
GAGG	e		1	15:27:31.77	21,2	256				104						-0,02			0,8	0,7
DOSS	e		2	15:27:32.94	27,7	186				101						0,06			0,9	0,8
ZIAN	e	c	1	15:27:33.42	30,8	58				100						0,02			1,1	0,8
CARE	e		2	15:27:37.05	52,4	309				96						0			1,2	0

02/05/2013	15:28:07,54	46,1526	11,1861	7	0,8		0	0	0	90	0	0	C	0,01	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e	c	2	15:28:10.52	16,1	135				113						-0,02			0,7	0,7
GAGG	e	c	1	15:28:11.03	19,2	246				110						0			0,9	0,7
DOSS	e		2	15:28:12.86	30,3	180				103						0,01			0	0,9

02/05/2013	15:37:53,06	46,0696	12,3581	9,88	2,1	2,2	0	0	0,9	90	0	0,9	C	0,15	0	BOSCO CANSIGLIO (TV)				M 2.0(O)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
ZIAN	e		2	15:38:04.30	65,5	291				99						-0,09			2,2	2,2	
PANI	e		2	15:38:07.03	79,2	268				97						0,32			2,1	1,9	
DOSS	e		2	15:38:09.10	93	257				96						0,04			2	2	
GAGG	e		2	15:38:11.89	108,3	271				95						0,24			2,2	2	

03/05/2013	11:45:43,72	45,7938	11,0260	11,49	0,9	1,8	0	0	0,5	90	0	0,5	B	0,14	0	ALA (TN)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e	c	1	11:45:46.57	10,7	290	48,55	1	137						28	0,17		0,06	1,2	1,2
DOSS	e		2	11:45:47.30	15,9	53	49,55	2	126							0,24		-0,13	0,7	0,6
GAGG	e		2	11:45:49.73	32,6	351	54,03	2	109							0,1		-0,21	0,9	0,7
CARE	e		2	11:45:56.70	74,6	340			99							0,09			0	0

03/05/2013	13:19:51,77	45,3103	10,5273	20,81	2		0	0	1,9	90	0	1,9	C	0,07	0	REBECCO (MN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e	c	2	13:20:03.39	64,1	27				59						0,17			1,9	1,9	
RNI	e		2	13:20:04.76	74,9	6				59						-0,04			2,1	2,2	
DOSS	e		2	13:20:05.70	81,7	39				59						-0,1			1,7	1,6	

04/05/2013	05:11:27.62		,	,											10	PIANURA PADANA EMIL.				M 3.8(I)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
DOSS	e	d	2	05:11:27.62			43,2	3							222						
VARA	e	d	2	05:11:27.64			43,52	2							219						
RNI			2	05:11:31.42			50,04	2							220						
GAGG	e	d	2	05:11:31.58			49,43	3							220						
ZIAN	e	d	2	05:11:34.41			53,63	3							219						
OZOL	e	d	2	05:11:36.49			58,61	3							220						
CARE	i	d	2	05:11:37.88			60,04	2							215						

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

04/05/2013	05:38:10,69	,	,											10	PIANURA PADANA EMIL.	M 2.7(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS		2	05:38:10.69				26,31	2							119					
VARA		3	05:38:10.75				26,02	2							118					
RNI		3	05:38:14.48				32,85	2							116					
GAGG		2	05:38:14.69				32,34	2							120					
ZIAN		2	05:38:16.97				36,64	2							119					
OZOL		2	05:38:19.90				41,17	3							116					
CARE		3	05:38:20.58				43,39	2							116					

04/05/2013	07:46:24,26	,	,											10	PIANURA PADANA EMIL.	M 2.2(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS		3		07:46:24.26			39,97	3							80					
VARA		2		07:46:24.69			39,63	3							82					
GAGG		3		07:46:28.14			46,13	3							80					
ZIAN		3		07:46:30.77			50,03	3							78					
CARE		3		07:46:35.28			56,93	3							80					

04/05/2013	12:51:37,59	,	,											10						
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		3		12:51:37.59			52,87	3								127				
DOSS		2		12:51:37.60			52,99	3								123				
RNI		3		12:51:40.65			59	3								124				
GAGG		3		12:51:41.21			59,18	3								125				
ZIAN		3		12:51:43.32			63,37	3								128				
OZOL		3		12:51:46.78			68,36	2								125				
CARE		2		12:51:47.80			70,41	3								119				

04/05/2013	20:37:09,33	,	,											10	SLOVENIA			M 4.1(S)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
ZIAN		3		20:37:09.33			50,88	3												
DOSS		2		20:37:10.95			56,05	3												
VARA		2		20:37:13.94			61,9	3												
GAGG		3		20:37:14.23			63,34	3												
OZOL		3		20:37:15.48			63,2	3												
RNI		3		20:37:18.06			71,02	3												
CARE		3		20:37:18.66			69,48	3												

05/05/2013	09:37:03,31	46,6890	10,5186	11,67	0,7	1	0	0	1,1	90	0	1,1	C	0,07	0	MALLES VENOSTA (BZ)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	e	c	1	09:37:09.20	32,4	155				110					16	0			0	0,6

05/05/2013	13:47:46,69	,	,											0	DOSS,GAGG					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS	e		2	13:47:46.69	9,9	148	49,76	2	155							0,01		0	0	0,1
GAGG	e	d	1	13:47:47.55	19	318	51,32	1	138							0		0	0,5	0

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS							RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q				

06/05/2013	05:26:58,89	,	,											10	APPENNINO LIGURE			M 2.4(I)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
GAGG		3		05:26:58.89			86,47	3								96				
VARA		3		05:27:00.01			28,82	3								95				
DOSS		3		05:27:02.01			34,28	3								95				
CARE		3		05:27:04.21												98				
ZIAN		3		05:27:08.12												91				

06/05/2013	06:53:31,74	,	,											0	OZOL					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL	i	c	1	06:53:31.74			33,21	0							34					

06/05/2013	13:50:14,25	,	,											0	OZOL					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL	e	d	1	13:50:14.25			14,47	1							15					

07/05/2013	07:39:13,02	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE		1		07:39:13.02			13,27	1								19				

07/05/2013	09:55:10,86	45,5386	10,8016	8,46	0,9		0	0	2,7	90	0	2,7	D	0,07	0	BARDOLINO (VR)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS	e	2		09:55:19.24	48,5	38				100						-0,03			0,9	1

07/05/2013	14:49:18,03	46,1240	11,2188	6,37	0,8	1,5	0	0	0,4	90	0	0,4	B	0,06	2	BASELGA DI P. (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e	c	2	14:49:20.34	12,1	132				118						-0,03			0,6	0
GAGG	e	c	1	14:49:21.68	20,6	257				107					22	-0,04			0,7	0,7
DOSS	e		2	14:49:22.84	27,2	185				103						0,03			0,6	0,7
ZIAN	e		2	14:49:23.49	31,5	58				101						-0,03			0	0
OZOL	e		2	14:49:24.02	33,6	337				101						0,14			0,9	0,7
CARE	e	c	2	14:49:26.96	52,3	310				97						-0,07			0	0,8

08/05/2013	00:53:00,11	,	,											10	ALTA VAL TIBERINA			M 3.6(I)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS		3		00:53:00.11			40,83	3								223				
VARA		2		00:53:01.24												236				
GAGG		3		00:53:04.41												227				
ZIAN		3		00:53:05.03			39,88	3								237				
OZOL		2		00:53:08.59			48,16	3								232				
CARE		3		00:53:09.61												219				

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS							RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q				

08/05/2013	04:29:49,34	,	,											10	ALTA VAL TIBERINA	M 3.3(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS		3		04:29:49.34												253				
VARA		3		04:29:49.53												250				
ZIAN		3		04:29:53.60			89,24	3								251				
OZOL		3		04:29:57.45			96,82	3								247				
CARE		3		04:29:58.93												246				

08/05/2013	05:11:31,30	,	,												0	CARE				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	d	0	05:11:31.30			32,17	0							29					

08/05/2013	06:00:34,52	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	d	0	06:00:34.52			35,39	0							31					

08/05/2013	13:31:24.52													10	AUSTRIA				M 2.4(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
OZOL			2	13:31:24.52			39,01	2							92							
ZIAN			2	13:31:24.70			38,81	2							99							
CARE			2	13:31:26.05			42,17	3							94							
GAGG			2	13:31:29.90			48,7	2							92							
PANI	e	d	2	13:31:30.18			47,58	2							92							
DOSS			2	13:31:32.50			52,37	2							92							
VARA			2	13:31:34.34			56,27	2							93							

09/05/2013	12:45:09,43	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE		3		12:45:09.43			17,86	3							42					

09/05/2013	15:24:40,65	45,9405	10,7408	2	0,6	1	0	0	0,1	90	0	0,1	C	0,2	0	CONCEI (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
RNI	e	2		15:24:42.35	10,2	296				101						-0,08			-0,1	0,1	
VARA	e	1		15:24:43.92	17,5	136	45,71	2	97						8	0,25		-0,32	0,9	0,8	

09/05/2013	16:53:38,62	,	,											0	VARA					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		3		16:53:38.62			40,13	2							27					

09/05/2013	17:17:45,82	,	,											0	VARA					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e	d	1	17:17:45.82			47,57	2							31					

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA		NOTES	
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q					

09/05/2013	18:44:59,59	46,1731	12,0620	10,58	1,1	0,8	0	0	0,6	90	0	0,6	B	0,19	0	GOSALDO (BL)			M 0.9(O)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
ZIAN	e	d	1	18:45:06.83	40,2	287	12	2	105						10	0,14		-0,23	1,4	1,1	

10/05/2013	03:29:20,09	,	,											0	VARA,DOSS							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA	i	c	1	03:29:20.09			22,24	1							30							
DOSS			2	03:29:21.30			24,08	1							30							

10/05/2013	04:11:05,19	,	,											10						
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI			3	04:11:05.19			23,24	2							76					
VARA			2	04:11:06.85			21,42	2							76					
DOSS			3	04:11:07.16			21,68	2							72					
PANI			3	04:11:10.57			27,51	3							72					
GAGG			3	04:11:11.02			28,68	2							72					
ZIAN			3	04:11:13.96											74					

10/05/2013	14:16:51,41	45,4743	11,7021	18,23	1,3	1,8	0	0	0,5	90	0	0,5	B	0,08	0	MONTEGALDA (VI)		M 1.3(O)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS	i	d	1	14:17:02.21	60,3	318	10,42	2	107						42	0,04		-0,15	0	1,1
PANI	e	d	1	14:17:03.80	70,2	336			105							0			1,8	1,9
VARA	e		2	14:17:04.32	74	302			104							-0,11			1,2	1,1
GAGG	e		1	14:17:06.84	89	320			59							0,09			1,6	0

10/05/2013	15:29:46,09	46,1291	11,1915	0,5	1,2	1,8	0	0	0,6	90	0	0,6	C	0,07	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	15:29:48.55	14,1	128			92						29	0,05			1,2	1,4
GAGG	i	c	1	15:29:49.23	18,7	254			92						30	-0,06			1,2	0,9
DOSS	i	c	1	15:29:50.79	27,7	180			91							-0,04			1	1
VARA	e	c	2	15:29:53.19	40,7	214			91							0,14			1,2	0,9

10/05/2013	16:52:32,44	46,1243	11,1853	5,05	0,8	1,7	0	0	1	90	0	1	C	0,1	2	CIVEZZANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	16:52:35.07	14,2	125			110						30	0,06			0,6	0,8
GAGG	i	c	1	16:52:35.57	18,1	255			106						22	-0,08			0,6	0,6
DOSS	i	c	1	16:52:37.25	27,2	179			101							0,09			0,8	0,7
ZIAN	e	c	1	16:52:38.18	33,7	60			99							-0,08			0,8	0,6
OZOL	e		1	16:52:38.29	32,7	342			99							0,2			0,7	0,5

10/05/2013	19:32:15,21	45,3023	10,0761	1,41	1,5		0	0	6,6	90	0	6,6	0	0,28	0	VEROLANUOVA (BS)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e		3	19:32:30.08	86,5	48				91						0,07			1,3	1,2
DOSS	e		2	19:32:33.68	108	54				91						0,01			1,7	0
PANI	e		2	19:32:37.19	128,6	50				91						-0,01			1,3	1,5
CARE	e		2	19:32:38.51	133,7	21				91						0,44			0	1,5

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

10/05/2013	19:51:17,42	,	,											10	M. ADRIATICO C-SETT.	M 2.6(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS			2	19:51:17.42			61,27	2							139					
PANI	i	d	0	19:51:18.24			63,23	2							146					
VARA			2	19:51:19.73			64,93	2							149					
GAGG			3	19:51:20.50			67,82	2							139					
OZOL			3	19:51:23.48			73,61	2							143					
CARE			2	19:51:26.74			76,48	3							136					

10/05/2013	20:27:40,42	45,7625	10,8031		7,7	0,2		0	0	0,6	90	0	0,6	B	0,08	0	MALCESINE (VR)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag				
VARA	e		2	20:27:42.70	10,1	46	44,19	2	127							0,11		-0,09	0,2	0				

10/05/2013	21:09:49,45	,	,											10	VAL DI TARO				M 2.3(I)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI			3	21:09:49.45			67,01	2							96					
VARA			3	21:09:54.95			73,17	3							94					
DOSS			3	21:09:56.23			78,08	2							92					
GAGG			3	21:09:57.42											92					
PANI			3	21:09:59.06			80,43	3							93					
CARE			2	21:10:01.18			22,54	2							94					

12/05/2013	10:11:34.93	,	,											10	PIANURA PADANA EMIL.	M 2.6(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e	d	2	10:11:34.93			49,83	2							119					
DOSS	e	d	2	10:11:35.38			49,56	2							117					
PANI			2	10:11:38.42			55,35	2							118					
RNI	i	d	2	10:11:38.45			56,51	2							119					
GAGG			2	10:11:39.57			56,9	3							117					
ZIAN			2	10:11:42.43			61,54	3												
OZOL			2	10:11:44.38			66,36	2							116					
CARE			2	10:11:44.80			67,87	2							115					

12/05/2013	10:21:33,03	,	,											10	PIANURA PADANA EMIL.	DOUBLE EV. M 2.3(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	10:21:33.03			49	2												
DOSS			2	10:21:33.66			48,1	2												
PANI			3	10:21:36.77			53,77	2												
GAGG			3	10:21:37.70			54,85	3												
ZIAN			3	10:21:40.53			60,62	3												
CARE			3	10:21:43.97			66,15	3												

12/05/2013	23:56:58,45	45,9868	10,7681	11,6	0,7	1,7	0	0	4,4	90	0	4,4	D	0,16	0	BLEGGIO SUPER. (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
RNI	e		1	23:57:01.24	11,3	267	3,43	2	136						26	0,02		0,06	0,3	0,6	

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

13/05/2013	01:33:15,32	45,8141	11,2830	11,57	0,7	1,4	0	0	0,9	90	0	0,9	B	0,21	0	POSINA (VI)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS	i	c	0	01:33:18.16	10,3	315	20,22	2	138						22	0,18		0,18	0,7	0,5
VARA	i	c	1	01:33:20.84	30,1	273	24,66	2	111							0,01		-0,46	0	0
GAGG	e		2	01:33:22.38	39,1	320			106							0,09			0	0,9
ZIAN	e		1	01:33:24.88	55,8	23			102							-0,18			0,6	0

13/05/2013	04:09:39,70	45,9858	10,0911	20,07	1		0	0	4,5	90	0	4,5	D	0,09	0	VILMIN. SCALVE (BG)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag			
RNI	i	d	1	04:09:47.51	41,2	91	53,59	2	116							-0,02		-0,05	0,9	0,7			

13/05/2013	04:55:43.92													10	VALDARNO INFERIORE	M 2.4(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	04:55:43.92											119					
DOSS			3	04:55:44.09											117					
GAGG			3	04:55:46.61											117					
PANI			3	04:55:47.02											118					
RNI			3	04:55:47.06			78,75	3							118					
ZIAN			2	04:55:51.37			83,75	3							115					
OZOL			3	04:55:51.89			86,31	3							117					
CARE			3	04:55:52.01											114					

13/05/2013	10:02:07,63	46,1315	11,1825	6,18	0,9	1,6	0	0	0,3	90	0	0,3	B	0,02	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	10:02:10.36	14,8	127				113						-0,01			1	1,1
GAGG	i	c	0	10:02:10.90	18,1	253				109				22		0			0,7	0,8
DOSS	i	c	1	10:02:12.56	28	179				102				27		0,03			0,8	0,9
ZIAN	i	c	1	10:02:13.44	33,5	61				100						-0,02			0,9	0,7
CARE	e		2	10:02:16.15	49,6	311				97						-0,03			1	1

13/05/2013	10:36:03,92	46,1985	12,5313	3,08	1,6	1,7	0	0	1,9	90	0	1,9	D	0,28	0	BARCIS (PN)			M 1.6(O)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS			2	10:36:22.65	109,8	251				92						-0,05			0	1,7
OZOL	e		2	10:36:24.36	116,3	281				92						0,56			1,6	1,5

13/05/2013	13:55:08,53	,	,											10	VALDARNO INFERIORE	M 2.3(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	13:55:08.53			40,97	3							111					
DOSS			2	13:55:09.65			42,87	3							112					
PANI			3	13:55:12.06											110					
RNI			3	13:55:13.09											110					
CARE			3	13:55:17.25											114					

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

13/05/2013	15:45:13,04	46,1305	11,1825	11,29	1,1		0	0	2,7	90	0	2,7	C	0,11	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	15:45:16.25	14,7	127				127						0,04			1,2	1,2
GAGG	i	c	1	15:45:16.62	18,1	253				122						-0,06			1,2	0
OZOL	e		2	15:45:19.01	32	342				109						0,18			1,2	1
ZIAN	e		2	15:45:19.18	33,6	61				109						0,09			1,1	0,9
CARE	e		2	15:45:21.79	49,7	311				103						0,05			0	1

13/05/2013	15:54:35,36	46,1363	11,1813	7	0,6		0	0	0	90	0	0	C	0	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	15:54:38.22	15,2	129				115						0			0,6	0,6
GAGG	e		2	15:54:38.69	18,2	251				111						0			0	0,6
ZIAN	e		2	15:54:41.18	33,3	62				102						0			0,6	0,6

13/05/2013	18:36:23,18	,	,											10	VALDARNO INFERIORE	M 2.5(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS			3	18:36:23.18			50,61	3												
VARA			3	18:36:24.37			54,53	3												
PANI			3	18:36:26.42																
GAGG			3	18:36:27.50																
RNI			3	18:36:27.93			57,93	3												
ZIAN			3	18:36:30.04			62	3												
OZOL			3	18:36:31.05			63,99	3												
CARE			3	18:36:31.97																

14/05/2013	00:18:51,32	45,7666	10,8046	8,52	2	2	0	0	0,5	90	0	0,5	B	0,16	0	MALCESINE (VR)			M 1.9(O)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	i	c	1	00:18:53.49	9,7	47	55,21	2	131							-0,04		-0,04	2,4	2,3
RNI	i	d	0	00:18:56.28	27,7	329			107						38	0,01			2,2	2,3
GAGG	e	d	1	00:18:57.67	37,2	19	63,08	3	103						33	-0,17		0,15	1,7	1,7
PANI	e		2	00:19:00.48	51,9	52			99						41	0,18			1,8	1,9
CARE	e		2	00:19:03.99	73,6	354			97						31	0,01			1,8	1,6
ZIAN	i	c	1	00:19:05.34	81,6	46			96							0			2,4	2

14/05/2013	10:05:31,73	46,1280	11,1916	5,63	0,7		0	0	0,4	90	0	0,4	C	0,03	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	10:05:34.30	14	128				112						-0,01			0,4	0
GAGG	e		2	10:05:35.03	18,7	255				107						-0,03			0,7	0
DOSS	i	c	1	10:05:36.56	27,6	180				102						0,02			0,8	0
ZIAN	e	c	1	10:05:37.40	33,1	60				100						-0,06			0,7	0,5

14/05/2013	10:48:42,90	46,0533	10,9151	6,86	0,9		0	0	2,4	90	0	2,4	C	0,15	0	LOMASO (TN)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
GAGG	i	c	1	10:48:44.21	4,8	45	45,56	2	145							-0,12		0,12	1,2	0,9
DOSS	e		2	10:48:47.85	28,6	132	51,95	3	103							-0,09		0,08	0,8	0,9
PANI	e		2	10:48:48.87	32,5	90	52,89	2	102							0,28		-0,11	0,6	0,6

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

14/05/2013	11:23:23,91	,	,											0	LIVIGNO [I]	M 0.9(S)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	e	c	1	11:23:27.21	33,4	100	32,07	2	116							0,04		-0,06	0	0,9

14/05/2013	15:56:29,17	46,1351	11,1886	3,3	0,9	1,7	0	0	0,8	90	0	0,8	C	0,08	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	15:56:31.78	14,7	130				103					27	0,03			0,9	1
GAGG	e		1	15:56:32.33	18,7	252				100					25	-0,08			0	0,6
DOSS	i	c	1	15:56:34.00	28,4	180				97						-0,05			0,7	0,8
ZIAN	i	c	1	15:56:34.79	32,9	62				96						-0,03			0,8	0,5

15/05/2013	04:17:30,42	,	,											10	PIANURA PADANA LOMB.	M 2.2(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	04:17:30.42			45,69	3							110					
DOSS			2	04:17:31.37			48	2							105					
RNI			2	04:17:32.93			50,35	2							109					
GAGG			2	04:17:34.33			52,42	2							106					
PANI			2	04:17:34.78			53,12	2							109					
ZIAN			2	04:17:38.81			60,54	2							108					
OZOL			3	04:17:39.22			60,81	3							106					
CARE			2	04:17:39.42			62,16	3							104					

15/05/2013	23:47:50,37	,	,											0	VARA,DOSS					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			2	23:47:50.37			53,14	2							34					
DOSS			2	23:47:52.69			55,84	2							33					

16/05/2013	10:07:06,43	46,1326	11,2148	3,49	0,9		0	0	0,5	90	0	0,5	C	0,05	2	FORNACE (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	e		2	10:07:08.61	13	134	10,55	2	105							-0,12		0,03	0,8	0,9	
GAGG	e		2	10:07:10.00	20,5	255			100							0,01			0	0,7	
DOSS	e		2	10:07:11.26	28,1	184	15,13	3	97							-0,02		0,07	0	1	
ZIAN	e		2	10:07:11.84	31,3	59			96							0,03			0,9	0	

16/05/2013	15:44:35,36	46,1218	11,1848	10,96	0,9		0	0	0	90	0	0	C	0	2	CIVEZZANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	15:44:38.40	14	124				128						0			0,5	0,7
GAGG	e	c	1	15:44:38.96	18	256				121						0			0,9	0,8
DOSS	e		2	15:44:40.32	26,9	179				112						0			1	0,9

16/05/2013	17:23:33,90	46,0261	11,9153	7,06	1,4	1,5	0	0	0,3	90	0	0,3	B	0,05	0	FELTRE (BL)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
ZIAN	e		2	17:23:40.72	38,9	316				100						0,06			1,4	1,5	

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

16/05/2013	23:10:20,36	45,8615	11,3076	14,46	1,1	1,8	0	0	0,7	90	0	0,7	C	0,23	0	LASTEBASSE (VI)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag			
DOSS	i	c	0	23:10:23.60	9,5	283	25,89	2	147						30	0,28		0,27	0	0			
PANI	e		2	23:10:25.01	21,1	6	28,27	2	124						29	0,27		0,11	0	0			
VARA	e		2	23:10:26.52	32,2	263	30,82	2	114							0,12		-0,28	0	0			
GAGG	i	c	0	23:10:27.03	36,6	312	32,04	2	112						28	-0,06		-0,3	0	0			
ZIAN	e		1	23:10:29.37	50,2	23			106							0,08			0	0			
RNI	e		3	23:10:29.83	54,8	284			105							-0,21			0	0			
CARE	e		2	23:10:33.90	78,4	323			100							-0,08			0	0			

16/05/2013	23:35:27,66	,	,											0	CARE,OZOL					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE			1	23:35:27.66			29,62	1							41					
OZOL			2	23:35:27.70			29,77	0							41					

17/05/2013	03:15:54.84	,	,											0	RNI					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI	i	d	0	03:15:54.84			55,31	1							24					

17/05/2013	12:06:20,75	46,6100	11,3900	7,8	1,2	1,8	0	0	0,4	90	0	0,4	B	0,1	0	SARENTINO (BZ)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL	e		2	12:06:26.77	34,7	229	31,79	3	103							-0,05		0,23	1,2	1,3
ZIAN	e		2	12:06:27.74	39,4	160	33,08	2	101							0,12		0,11	1	1,2
CARE	e		1	12:06:30.54	57	249			98							-0,05			1,3	1,2
PANI	e		2	12:06:31.48	62,3	184			97							0			1,1	1,1

17/05/2013	15:24:25,50	46,1276	11,1943	6,65	1,1	1,9	0	0	0,2	90	0	0,2	B	0,03	2	FORNACE (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	15:24:28.11	13,8	128				116					36	-0,01			1	1
GAGG	i	d	0	15:24:28.91	18,9	255				109					30	-0,01			0,9	1,1
DOSS	i	c	1	15:24:30.38	27,5	181				104						0,04			1,2	1
ZIAN	i	c	1	15:24:31.23	32,9	60				101						-0,01			1,2	1
OZOL	e		2	15:24:31.26	32,6	340				102						0,08			0,9	0,8
CARE	e	c	1	15:24:34.17	50,6	311				97						-0,04			0	0

17/05/2013	22:19:46,74	,	,											10	CARE,OZOL					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	c	1	22:19:46.74			48,78	2							43					
OZOL	i	c	1	22:19:46.97			49,6	2							43					

17/05/2013	23:32:10,57	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	e	d	0	23:32:10.57			11,86	1							29					

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS							RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q				

19/05/2013	14:51:23.25	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	d	0	14:51:23.25			24,8	0							27					

20/05/2013	15:52:56,99	46,1326	11,1813	7	0,8	1,6	0	0	0	90	0	0	C	0	2	ALBIANO (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	i	c	0	15:52:59.81	15	127				115					28	0			0,8	0,9	
GAGG	i	c	1	15:53:00.30	18,1	252				111					22	0			0,8	0,6	
DOSS	e		2	15:53:01.94	28,1	179				104						0			0,9	0,8	

20/05/2013	23:37:16,73	46,6006	10,9406	1,7	0,8	1,7	0	0	0,3	90	0	0,3	C	0,12	0	LACES (BZ)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL	i	c	1	23:37:20.76	23,5	159	23,74	2	94						30	0		-0,17	1	0,7
CARE	i	c	1	23:37:21.41	27,1	224	24,97	2	94						23	0,04		-0,01	0,7	0,8

21/05/2013	01:28:51,80	45,7203	10,7700	4,23	1	1,8	0	0	1,5	90	0	1,5	C	0,17	0	BRENZONE (VR)			M 1.1(O)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI	e		1	01:28:57.12	31,1	338			98							-0,05			1	1
DOSS	e		2	01:28:58.24	37,1	61	63,18	2	97						27	0,06		0,02	0,9	0

21/05/2013	01:45:42,19	,	,											0	CARE,OZOL					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	e	c	0	01:45:42.19			43,71	2							32					
OZOL			2	01:45:43.02			45,68	2							32					

21/05/2013	15:46:31,06	46,1443	11,1860	7	0,8	1,6	0	0	0	90	0	0	C	0	2	ALBIANO (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	e	c	1	15:46:33.96	15,5	132				114					24	0			0,8	0,9	
GAGG	e	c	2	15:46:34.49	18,8	249				110					23	0			0,8	0	
DOSS	e		2	15:46:36.22	29,4	180				103						0			0	0,9	

22/05/2013	03:22:14,14	,	,											10						
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
ZIAN			2	03:22:14.14			38,35	3							142					
OZOL	e	d	2	03:22:16.12			40,99	3							134					
CARE			2	03:22:18.89			45,41	3							132					
PANI			2	03:22:19.15			45,59	3							135					
GAGG			2	03:22:21.05			47,35	3							132					
DOSS			2	03:22:22.58			50,73	3							132					
VARA			2	03:22:24.62			55,39	3							134					
RNI			2	03:22:24.77			55,68	3							134					

22/05/2013	07:01:46,91	,	,											0	OZOL					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL	i	c	1	07:01:46.91			48,12	2							36					

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

22/05/2013	10:05:31,16	46,1236	11,2356	7,14	0,9	1,8	0	0	1,1	90	0	1,1	C	0,09	2	BASELGA DI P. (TN)	EXPL?			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	10:05:33.29	11,2	137	35,29	2	123						28	-0,14		0,1	1	1,1
GAGG	e	c	2	10:05:35.11	21,9	258			108							0,01			0,6	0,8
DOSS	i	c	1	10:05:35.94	27,3	188	39,99	3	105							-0,05		0,23	1,1	0,8
ZIAN	e	c	1	10:05:36.55	30,4	56			103							0,04			0,8	0,7

22/05/2013	15:15:07,00	,	,											10	PIANURA PADANA EMIL.	M 2.4(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			2	15:15:07.00			22,45	3							98					
DOSS			2	15:15:07.83			22,59	3							95					
PANI			3	15:15:10.39			27,76	2							98					
RNI			3	15:15:10.46			28,35	2							97					
GAGG			3	15:15:11.32			29,05	3							98					
ZIAN			3	15:15:16.60			35,68	2							95					
CARE			3	15:15:18.38			40,9	3							98					

22/05/2013	15:32:14,82	46,1406	11,1791	4,09	1	1,8	0	0	0,3	90	0	0,3	C	0,02	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	15:32:17.60	15,6	130				105						0,02			0,9	1
GAGG	i	c	1	15:32:17.99	18,2	250				103				31		-0,02			1	0,8
DOSS	e	c	2	15:32:19.83	29	179				98						0,01			0,9	1,1
ZIAN	e	c	1	15:32:20.53	33,3	63				97						-0,01			1	0,8
CARE	e		2	15:32:23.20	48,7	310				95						0,02			1	0,9

22/05/2013	16:55:37,93	46,1318	11,1831	5,04	0,7		0	0	0	90	0	0	C	0	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	16:55:40.60	14,8	128				109						0			0,5	0,7
GAGG	e		2	16:55:41.14	18,2	253				106						-0,01			0	0
DOSS	e		2	16:55:42.79	28	179				100						0			0,7	0,8
ZIAN	e		1	16:55:43.71	33,4	61				99						0			0,7	0,6

23/05/2013	08:54:02,87	45,6588	10,7755	4,84	1,8	2,3	0	0	2,5	90	0	2,5	D	0,28	0	CAPRINO VERON. (VR)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e		2	08:54:06.30	20,8	27	9,29	3	103							-0,22		-0,09	1,9	2	
RNI	i	c	1	08:54:09.22	37,7	342				97						-0,15			1,6	1,9	
DOSS	e		2	08:54:09.72	40,5	53				97						-0,12			1,5	1,5	
GAGG	e	c	1	08:54:11.82	49,3	17				96						0,48			1,5	0	

24/05/2013	00:05:21,92	45,8021	11,6156	12	1,3	1,4	0	0	0,6	90	0	0,6	B	0,14	0	CONCO (VI)				M 1.2(O)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	e		2	00:05:28.25	35,2	322	32,96	2	109						15	-0,02		-0,27	1,4	1,1	
DOSS	e		1	00:05:28.44	34,3	285	32,97	3	109						14	0,31		0	1,2	1,3	
ZIAN	e		2	00:05:31.43	52,9	356	38,55	2	103							0,25		0,14	1,3	1,3	

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS							RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q				

24/05/2013	11:39:39,58	,	,											10	PIANURA PADANA EMIL.	M 2.2(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		3		11:39:39.58			55,03	3							97					
DOSS		3		11:39:39.87			55,23	3							97					
RNI		3		11:39:42.33			60,05	2							96					
PANI		2		11:39:43.22			60,2	3							95					
GAGG		3		11:39:43.52			61,19	3							98					
ZIAN		3		11:39:46.82			66,88	3							92					
OZOL		3		11:39:49.11			70,41	3							95					

24/05/2013	22:33:02,13	45,7921	10,8291	9,57	0,3		0	0	0,2	90	0	0,2	B	0,02	0	NAGO - TORBOLE (TN)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e	2		22:33:04.14	6,4	54	5,63	2	146							0,03		-0,02	0,1	0

25/05/2013	06:29:11,86	,	,											0	VARA					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		2		06:29:11.86			12,15	0							26					

25/05/2013	07:02:12,44	45,8770	11,0645	10,63	0,5	1	0	0	0,5	90	0	0,5	B	0,11	0	TRAMBILENO (TN)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS	i	c	1	07:02:14.97	9,7	88	16,77	2	138						16	0,08		-0,04	0,3	0
VARA	e		1	07:02:15.58	14,2	247	17,85	2	127						9	0,1		0,01	0,4	0
GAGG	e		1	07:02:16.99	24,4	340	20,27	2	114							0,01		-0,26	0	0,8
PANI	i	c	1	07:02:17.60	28,5	47	21,88	2	110							-0,04		0,18	0,4	0,5

25/05/2013	11:02:58,36	45,7623	10,4678	10,89	2,4	2,4	0	0	1	90	0	1	C	0,17	0	BAGOLINO (BS)			M 2.3(O)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
RNI	e	d	1	11:03:03.51	27,1	26	7,31	3	112						46	0,16		0,07	2,5	2,7	
VARA	e	d	2	11:03:04.36	34,1	78			108							-0,11			2,6	2,4	
GAGG	e		2	11:03:07.32	52,2	47	14,85	2	102						62	-0,15		0,27	2,4	2,1	
DOSS	e		2	11:03:08.14	57,5	77			101						60	-0,23			2,3	2,4	
PANI	e		2	11:03:11.24	74,5	65			98							0,01			2,1	2,4	
CARE	e	d	1	11:03:11.48	75,7	14			98						68	0,05			2,3	2,5	
OZOL	e		3	11:03:12.82	84,4	32			97						59	-0,08			2,6	2,4	
ZIAN	e		2	11:03:15.64	102,3	56			96							-0,3			2,3	2,2	

25/05/2013	11:30:07,72	,	,											10	COLLINE METALLIFERE	M 3.0(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	11:30:07.72																
DOSS			3	11:30:08.01																
RNI			3	11:30:10.53																
GAGG			3	11:30:11.02																
PANI			3	11:30:11.03																
ZIAN			3	11:30:14.62																
OZOL			3	11:30:16.03																
CARE			3	11:30:16.95																

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

25/05/2013	23:26:47,15	,	,											10	COLFIORITO-NOCERA U.	M 3.6(l)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS			2	23:26:47.15			79,72	2								190				
VARA			2	23:26:47.68			80,81	2								196				
PANI			2	23:26:49.24			83,1	2								193				
GAGG			2	23:26:50.77			86,66	2								193				
RNI			2	23:26:51.05			86,78	2								193				
ZIAN			2	23:26:51.32			86,2	2								193				
OZOL	e	d	1	23:26:54.93			94	2								190				
CARE			2	23:26:56.98			96,1	1								185				

26/05/2013	04:11:40,59	45,9825	10,7298	8,9400	0,4	0,8	0	0	1,4	90	0	1,4	C	0,11	0	ZUCLO (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
RNI	e	1		04:11:42.79	8,3	269	44,19	2	137						11	0,11		-0,12	0,1	0,2	
VARA	e	2		04:11:44.60	21,7	143	47,77	2	112							0		0,04	0,6	0,3	

26/05/2013	05:13:26,84	45,8946	10,0938	6,64	1,5	2	0	0	2,1	90	0	2,1	D	0,16	0	DAFRO BOARIO T. (BS)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI	e		2	05:13:34.17	42,1	77	40,15	3	99						39	0,04		0,34	1,4	1,7
VARA	e	d	1	05:13:37.44	62,8	97			96							-0,19			1,4	1,3
GAGG	e		2	05:13:38.99	70,2	73			95							0,09			1,5	0
CARE	e		2	05:13:39.99	75,1	38			95							0,26			1,4	1,4
OZOL	e		2	05:13:42.73	93,1	53			94							-0,07			1,7	1,4

26/05/2013	20:14:38,00	45,8196	11,6200	12,03	0,9	1,9	0	0	1,4	90	0	1,4	C	0,21	0	CONCO (VI)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	d	1	20:14:44.34	33,9	319				110						0,19			0,9	0,6
DOSS	e		2	20:14:44.46	34,2	281	48,6	2	109							0,27		-0,42	0,8	0
ZIAN	e	c	2	20:14:47.10	50,9	355				103						0,15			0	0,8

26/05/2013	20:17:02,16	45,7420	11,0061	10,35	1	2,1	0	0	0,2	90	0	0,2	B	0,06	0	ALA (TN)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag			
VARA	e		2	20:17:05.09	12,6	318	7,12	2	129							0,14		-0,01	1,3	1,3			
DOSS	e	d	1	20:17:06.14	20,9	43	9,25	2	116					40		0		0	0,8	0,9			
GAGG	i	c	1	20:17:08.83	38,1	354	14,16	2	105							-0,08		-0,02	0	0,9			
RNI	e		2	20:17:09.07	39,9	312			105							-0,13			1	1			
CARE	e		2	20:17:15.88	79,5	343			97							0,01			0	0			

27/05/2013	06:31:28,16	45,6729	10,7753	2,91	1	1,2	0	0	1,3	90	0	1,3	C	0,13	0	BRENZONE (VR)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e	2	06:31:31.66	19,5	29	34,01	2	99								0,14		-0,14	1	0,8	
DOSS	e	2	06:31:35.02	39,6	54			94								0,08			0	1	

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

27/05/2013	10:13:45,52	46,1298	11,1903	5,04	0,9	1,6	0	0	0,3	90	0	0,3	B	0,03	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	10:13:48.10	14,2	128			110						23	0			0,9	0,8
GAGG	i	c	1	10:13:48.81	18,6	254			105							-0,01			0,7	0,6
DOSS	i	c	1	10:13:50.37	27,8	180			100							0,03			0,9	0,9
ZIAN	i	c	1	10:13:51.21	33,1	60			99							-0,03			1	0,6
CARE	e		2	10:13:54.12	50,2	311			96							-0,02			0,9	0

27/05/2013	16:31:27,20	46,8310	10,4161	12,33	0,8		0	0	3,1	90	0	3,1	D	0,05	0	CIMA DI GRION (BZ)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag			
CARE	e		3	16:31:36.11	50	155				104						0,1			0	0			

27/05/2013	16:37:23,00	46,1380	11,1840	5,64	1	1,7	0	0	0,1	90	0	0,1	C	0,01	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	16:37:25.76	15,2	130			110						26	-0,01			0,8	1,1
GAGG	i	c	2	16:37:26.31	18,5	251			107							0,01			0,9	1,1
DOSS	i	c	1	16:37:28.01	28,7	179			101							0,01			0	1
ZIAN	i	c	1	16:37:28.74	33	62			100							0			0,8	0,7
CARE	e		2	16:37:31.46	49,2	310			97							-0,01			0	0,9

28/05/2013	02:43:02,67	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE			1	02:43:02.67			3,64	1							30					

28/05/2013	16:02:40,89	45,6261	10,7893	4,49	1,1	1,1	0	0	1,6	90	0	1,6	C	0,14	0	CAPRINO VERON. (VR)				M 1.1(O)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e	c	2	16:02:44.95	23,7	21	48,36	2	101						15	-0,07		0,12	1,2	1	
DOSS	e		3	16:02:48.30	42	48				96						0,19			0	1,1	

28/05/2013	19:14:11,65	46,7630	10,3890	2,93	0,9		0	0	0,3	90	0	0,3	C	0,05	0	CIMA DI GRION (BZ)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	e		1	19:14:19.30	44,4	148	25,17	3	94							0,04		-0,02	0,9	0	

29/05/2013	04:29:33,08	45,5381	11,4060	11,2	1,1	1,4	0	0	0,6	90	0	0,6	B	0,04	0	ARZIGNANO (VI)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag			
DOSS	e		2	04:29:40.40	41,6	336				105						-0,04			1,1	1			

29/05/2013	07:34:10,88	,	,											0	OZOL					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL			2	07:34:10.88			13,34	1							35					

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

29/05/2013	08:37:09,02	,	,											10						
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI		2		08:37:09.02			22,81	2							80					
DOSS		2		08:37:09.27			24,54	2							78					
GAGG		2		08:37:11.15			27,44	2							78					
PANI		2		08:37:12.80			30,12	3							78					
CARE		2		08:37:16.54			35,78	2							75					
ZIAN		3		08:37:17.70			37,75	3							78					

29/05/2013	10:54:51,32	45,8676	10,1000	15,37	1,6	1,8	0	0	2,2	90	0	2,2	C	0,16	0	DARFO BOARIO T. (BS)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI	i	c	1	10:54:58.95	42,5	73	65,33	3	110							-0,08		0,27	1,8	1,9
VARA	e		2	10:55:02.04	62	94				104						-0,2			1,5	0
GAGG	e		2	10:55:03.69	70,7	70				102						0			1,6	1,5
CARE	e		2	10:55:04.94	77,2	37				101						0,17			1,5	0
DOSS	e		2	10:55:06.28	84,5	89				100						0,27			1,5	1,5
OZOL	e		2	10:55:07.59	94,6	51				99						-0,11			1,7	1,7

29/05/2013	17:35:11,31	46,1321	11,1806	4,97	1,1	1,8	0	0	0,3	90	0	0,3	B	0,03	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e		2	17:35:14.00	15	127				108						0			1	1,1
GAGG	e	c	1	17:35:14.51	18	253				105					24	0,01			1	0
DOSS	e	c	2	17:35:16.17	28	179				100					34	-0,01			1	0,9
ZIAN	e		1	17:35:17.10	33,6	62				98						-0,01			1	0,6
CARE	e		2	17:35:19.78	49,4	311				96						-0,02			0	0

29/05/2013	23:52:55.71		,		,												10	DOUBLE EVENT		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL			2	23:52:55.71																
CARE			3	23:52:55.97																
ZIAN			2	23:52:58.57																
VARA			3	23:52:58.96																
PANI			3	23:53:02.73																
GAGG			3	23:53:03.51																
DOSS			3	23:53:05.20																
RNI			3	23:53:06.22																

30/05/2013	01:49:40.99														10	PIANURA PADANA EMIL.				M 2.9(I)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA			2	01:49:40.99			56,54	3							134						
DOSS			2	01:49:42.29			58,12	2							133						
RNI			2	01:49:43.95			61,96	2							132						
GAGG			1	01:49:45.74			63,64	2							132						
PANI			2	01:49:45.81			63,84	2							132						
ZIAN			2	01:49:49.89			71,1	2							132						
OZOL			2	01:49:50.85			73,1	2							131						
CARE			2	01:49:50.99			73,4	3							130						

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA		NOTES	
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q					

30/05/2013	10:09:27,05	46,1756	11,2343	7,21	0,7	0,4	0	0	0	90	0	0	C	0	2	FAVER (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	e	1	10:09:30.03	15,9	151	32,36	2	114							7	0		0	0,4	0,6	
GAGG	e	2	10:09:31.27	23,6	244					107						0			0,6	0	
DOSS	e	2	10:09:32.83	33,1	186					102						0			0,8	0,9	

30/05/2013	12:39:49,39	45,7320	11,0768	9,6	0,9	2,1	0	0	0,4	90	0	0,4	B	0,1	0	ALA (TN)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e	c	2	12:39:52.88	17,5	307	55,48	1	119						39	0,08		0,02	1,1	1,2
DOSS	e		2	12:39:53.14	18,6	28	55,62	2	117							0,17		-0,14	0,7	0,6
GAGG	e		2	12:39:56.49	40,1	347				103						0,04			1,2	1,1

30/05/2013	15:55:58,79	46,1458	11,2213	2,43	1,1		0	0	0	90	0	0	C	0,16	2	LONA - LASES (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e	c	1	15:56:00.97	13,7	140				100						-0,2			1,1	1,3
GAGG	e		2	15:56:02.41	21,5	251				96						-0,07			1	0,9
DOSS	e		2	15:56:04.05	29,7	185				95						0,17			1,1	1
ZIAN	e		1	15:56:04.09	30,1	61				95						0,14			1	0,7

30/05/2013	16:04:13,86	46,1335	11,1826	4,99	1,1	1,9	0	0	0,2	90	0	0,2	B	0,03	2	ALBIANO (TN)				EXPL?
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	16:04:16.56	14,9	128				108						0,01			1	1,1
GAGG	e	c	1	16:04:17.08	18,2	252				105					25	-0,01			1,1	1,1
DOSS	e	c	2	16:04:18.76	28,2	179				100					41	0			1	1
ZIAN	e	c	1	16:04:19.62	33,4	62				98						-0,01			1	0,8
CARE	e	c	1	16:04:22.32	49,5	311				96						-0,04			1,2	1

30/05/2013	17:14:43,19	,	,												10					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS		3	17:14:43.19				57,5	3							95					
VARA		2	17:14:43.26				58,03	2							96					

30/05/2013	19:33:09,78	45,6316	11,1101	7,86	0,6		0	0	1	90	0	1	C	0,07	0	SELVA DI PROGNO (VR)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e	d	1	19:33:14.67	27,3	322	18,47	3	106							0,04		0,05	0,8	0,7
DOSS	i	d	1	19:33:14.88	28,3	13	18,59	2	106							0,08		-0,12	0,9	0,9

30/05/2013	20:09:57,74	,	,											0	RNI					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI	e		2	20:10:00.82	32,4	343	5,34	3	107							0		0	0,6	0,6

30/05/2013	20:17:19,80	45,9590	11,1435	10,96	0,8		0	0	0,7	90	0	0,7	B	0,09	0	CALLIANO (TN)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS	e	c	1	20:17:22.20	9,5	158	24,29	2	139							-0,08		0,08	0,8	0,9
PANI	e		3	20:17:23.60	18	55	26,17	2	121							0,19		-0,04	0,5	0,7
GAGG	e		1	20:17:23.64	19,9	314	26,84	3	119							-0,05		0,12	0,8	0,9

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude			LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD		az1	dp1	se1	az2	dp2	se2	q			

30/05/2013	20:33:50,32	46,5331	10,9065	3,61	0,8	1,1	0	0	0,7	90	0	0,7	C	0,16	0	SAN NICOLO' (BZ)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
OZOL	i	d	1	20:33:53.61	18,2	142	56,11	2	101						15	0,11		0,13	0,6	0,5	
CARE	i	c	0	20:33:53.74	20,1	233	56,4	2	100							-0,07		-0,13	0,9	0,6	

31/05/2013	16:07:35,84	46,1368	11,1858	7	0,6	1,4	0	0	0	90	0	0	C	0	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e	c	1	16:07:38.66	15	130			115							-0,01			0,4	0,4
GAGG	e	d	1	16:07:39.23	18,5	251			111					20		0			0,6	0,8
DOSS	e		2	16:07:40.87	28,5	180			104							0			0	0,7

31/05/2013	19:47:53,52	45,8878	10,6156	10,31	1,5	1,6	0	0	0,5	90	0	0,5	C	0,16	0	CONDINO (TN)			M 1.4(O)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
RNI	i	c	0	19:47:56.06	10,4	3	57,84	2	135						22	0,04		-0,12	1,6	1,6	
VARA	i	d	0	19:47:57.68	22,9	107	61,51	2	114							-0,13		0,36	1,4	1,2	
GAGG	e		2	19:47:59.44	34,3	51	64,57	2	107							-0,21		0,14	1,4	1,1	
DOSS	e	c	1	19:48:01.23	44,5	91	7,36	3	103						32	-0,1		-0,06	1,5	1,4	
PANI	e		2	19:48:03.65	58,6	72			100							-0,04			1,2	1,2	
CARE	e		2	19:48:04.05	60	6			100							0,13			1,2	1,3	
OZOL	e		2	19:48:05.13	66,5	30			99							0,11			1,5	1,6	
ZIAN	e		2	19:48:08.05	85,1	59			97							-0,12			1,4	1,2	

01/06/2013	04:38:12,77	,	,											10	PIANURA PADANA EMIL.				M 2.4(I)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e	d	2	04:38:12.77			27,17	2							116					
DOSS	e	d	1	04:38:13.11			28,03	2							114					
PANI	e	d	2	04:38:16.25			33,11	2							114					
RNI	e	d	2	04:38:16.44			33,99	3							113					
GAGG			2	04:38:17.21			34,25	2							112					
ZIAN			2	04:38:20.31			39,34	2							113					
OZOL	i	d	2	04:38:22.64			43,96	2							108					
CARE			2	04:38:23.20			45,47	2							111					

01/06/2013	04:51:50,40	45,7238	10,8018	8,08	0,5	0,8	0	0	0,4	90	0	0,4	B	0,05	0	BRENZONE (VR)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e		2	04:51:53.17	13,5	33	55,15	2	121							0,08		-0,04	0,4	0,3

01/06/2013	13:01:28,22	45,8463	11,0543	9,41	0,8	1,8	0	0	0,7	90	0	0,7	B	0,12	0	VALLARSA (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
DOSS	e		2	13:01:30.51	11,1	70	32,65	2	130						28	-0,19		0,01	0,9	1	
GAGG	e		2	13:01:33.10	27,4	344	37,16	2	109							-0,06		0,14	1	0,8	
PANI	e		2	13:01:33.94	31,4	44				107						0,11			0,4	0	

01/06/2013	13:54:46,21	,	,											0	VARA					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	i	d	0	13:54:46,21			48,26	2							38					

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS							RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q				

01/06/2013	16:32:55,23	,	,											10						
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI	e	d	1	16:32:55.23			98,32	3							183					
VARA			3	16:32:56.70											184					
DOSS			2	16:32:59.08											177					
GAGG			3	16:32:59.51			104,7	3							177					
CARE			2	16:33:00.71			46,94	3							175					
PANI			2	16:33:01.45											179					
OZOL			2	16:33:04.39			54,26	3							177					
ZIAN	e	d	2	16:33:08.36			58,85	3							180					

01/06/2013	17:45:44,16	,	,											0	CARE,OZOL					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	e	c	0	17:45:44.16			45,91	0							26					
OZOL	i	c	1	17:45:44.27			46,34	1							27					

01/06/2013	19:22:43,86	,	,											0	VARA					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	i	d	0	19:22:43.86			44,94	1							32					

02/06/2013	03:38:38,69	45,7554	11,0465	7,25	0,2	0,4	0	0	0,1	90	0	0,1	B	0,02	0	ALA (TN)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	i	c	1	03:38:41.40	14,1	304	43,49	2	117						7	0,01		-0,01	0,3	0,3
DOSS	e		2	03:38:41.98	17,7	39	44,51	2	112							0,02		-0,01	0	0

03/06/2013	05:58:21,77	45,5546	10,9826	13,98	0,9		0	0	1,2	90	0	1,2	C	0,16	0	GREZZANA (VR)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e		2	05:58:27.68	30,9	347	32,18	2	114							0,12		0,09	0,7	0,7
DOSS	e		2	05:58:29.19	39,6	24	34,32	2	109							0,25		-0,21	0,7	0,9

03/06/2013	06:35:37,94	,	,											0	OZOL					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL	i	c	0	06:35:37.94			39,15	1							27					

03/06/2013	15:21:23,11	46,1231	11,2381	11,2	0,8	1,7	0	0	1,9	90	0	1,9	C	0,08	2	BASELGA DI P. (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	15:21:25.75	11	137	27,9	2	136						28	-0,04		0,02	0,9	0,9
GAGG	e		2	15:21:27.25	22,1	258			117							-0,09			0,7	0,6
DOSS	e		3	15:21:28.36	27,3	188			112							0,2			0,7	0,7
CARE	e		2	15:21:32.53	53,5	309			102							0,08			0	0,8

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

03/06/2013	16:40:32,33	46,1275	11,1900	8,47	0,7		0	0	0,7	90	0	0,7	C	0,05	2	ALBIANO (TN)	EXPL?			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	16:40:35.05	14,1	127	37,38	2	121							-0,09		0,05	0,6	0,8
GAGG	e	d	2	16:40:35.79	18,5	255			115							-0,03			0,8	0
DOSS	e		1	16:40:37.28	27,5	180			107							0,03			0,6	0,7
ZIAN	e		2	16:40:38.23	33,2	60			104							0,04			0,6	0,6

03/06/2013	16:50:56,93	46,1308	11,1896	0,61	1		0	0	0,4	90	0	0,4	C	0,05	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	16:50:59.40	14,3	128				92						0,02			1	1,2
GAGG	e	c	1	16:51:00.08	18,6	254				92						-0,04			0,9	0,8
DOSS	i	c	1	16:51:01.65	27,9	180				91						-0,05			1	1
ZIAN	e		1	16:51:02.54	33,1	61				91						-0,04			1,1	0,9
VARA	e		2	16:51:04.01	40,8	214				91						0,1			0	0,9

04/06/2013	04:15:57,83	,	,											0	VARA					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			1	04:15:57.83			58,75	1							34					

04/06/2013	05:33:43.55	45,7331	11,0750	8,56	0,7		0	0	0,4	90	0	0,4	B	0,09	0	ALA (TN)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	i	c	1	05:33:46.91	17,3	307	49,49	1	116							0,06		0,07	0,8	0,9
DOSS	i	c	1	05:33:47.15	18,6	28	49,63	2	115							0,1		-0,14	0,4	0,3
GAGG	e		2	05:33:50.60	40	347				102						0,06			0,9	0,8

04/06/2013	15:02:03,00	46,1235	11,2180	5,87	0,8		0	0	0,5	90	0	0,5	C	0,05	2	FORNACE (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	15:02:05.30	12,1	132				116						0			0,7	0,8
GAGG	e	c	2	15:02:06.60	20,5	258				106						-0,05			0,8	0,5
DOSS	e		2	15:02:07.84	27,2	185				102						0,09			0,6	0,6
ZIAN	e		1	15:02:08.45	31,6	57				101						-0,04			0,8	0
CARE	e	c	2	15:02:11.90	52,3	310				96						-0,09			0,9	0,9

04/06/2013	16:32:35,09	46,2780	11,4016	16,84	0,6		0	0	1,4	90	0	1,4	B	0,18	0	CASTELLO MOLINA (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
ZIAN	e		1	16:32:38.76	12,5	91				144						0,09			0,3	0,3	
PANI	e		2	16:32:39.94	25,8	192	44,67	3		123						-0,41		0,21	0,4	0,8	
GAGG	e		2	16:32:42.68	40,5	238	48,28	2		113						0,1		-0,15	0,8	0,8	
DOSS	e		2	16:32:43.92	47,2	200				110						0,26			0	0	

05/06/2013	02:39:02,57	45,7518	11,0354	8,72	0,9	2	0	0	0,4	90	0	0,4	B	0,13	0	ALA (TN)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	i	d	1	02:39:05.54	13,6	307	7,68	2	123						37	0,21		0,2	1,4	1,2
DOSS	i	c	1	02:39:06.27	18,6	40	8,7	2	115							0,2		-0,11	0,9	0,7
GAGG	i	d	1	02:39:09.06	37,3	351	14,04	2	103							-0,06		-0,19	0,9	0
RNI	e		2	02:39:09.48	40,9	308	15,14	2	102							-0,24		-0,16	0,8	0,8
PANI	e		1	02:39:09.67	40,5	35			102							0,02			0,8	0,6
ZIAN	e		2	02:39:14.84	71,2	35			97							0,01			1	1

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS							RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q				

05/06/2013	06:38:15,99	,	,											10	PIANURA PADANA EMIL.	M 2.3(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		2	06:38:15.99				29,62	2							86					
DOSS		2	06:38:16.04				30,82	2							85					
PANI		2	06:38:19.07				34,7	3							84					
GAGG		3	06:38:20.08				36,69	2							86					
RNI		3	06:38:20.21				37,5	3							84					
ZIAN		3	06:38:22.99				40,34	2							85					
OZOL		3	06:38:25.39				46	2							85					
CARE		3	06:38:26.93				48,57	2							83					

05/06/2013	08:39:27,51		,		,										10					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS		2		08:39:27.51			40,63	2							93					
VARA		3		08:39:28.02			41,56	3							92					
PANI		2		08:39:30.59			46,01	2							91					
GAGG		2		08:39:31.81			48	2							90					
ZIAN		3		08:39:34.22			51,78	2							94					
CARE		3		08:39:38.41			59,88	2							91					

05/06/2013	10:17:25,65	46,1825	11,2035	7	0,7		0	0	0	90	0	0	C	0	2	CEMBRA (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e		2	10:17:28.92	17,8	145				111						0			0,4	0,5
GAGG	e	c	2	10:17:29.58	21,9	240				108						0			0	0

05/06/2013	19:31:39,56	,	,											0	RNI					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI		1		19:31:39.56			40,01	2							29					

06/06/2013	07:18:25,07	45,8478	11,0746		9,96	1,4	1,7	0	0	0,4	90	0	0,4	B	0,15	0	TRAMBILENO (TN)				M 1.4(O)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
DOSS	i	c	0	07:18:27.61	9,6	68	29,31	1	136						24	0,18		0,04	1,6	1,4		
VARA	i	c	1	07:18:28.22	14	260	30,32	2	125						49	0,2		0,01	1,8	1,6		
PANI	i	d	0	07:18:30.65	30,3	42	34,24	2	108						23	0,13		-0,53	1,5	1,5		
RNI	e		2	07:18:31.73	38	293			105							-0,06			1	1,1		
ZIAN	i	c	1	07:18:35.62	60,8	38			99							0,02			1,4	1,6		
OZOL	e		2	07:18:35.95	61,8	358			99							0,18			1,3	1,3		
CARE	e	d	2	07:18:37.20	70,4	336			98							-0,03			1,3	1,1		

07/06/2013	07:35:51,30	,	,											0	RNI					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI		3		07:35:51.30			53,92	3							25					

07/06/2013	09:32:21,15	,	,											10	AROSA [CH]			M 1.9(S)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE		2		09:32:21.15			32,93	2							90					
RNI		3		09:32:25.82			39,18	2							89					

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

07/06/2013	10:05:36,67	46,1771	11,2086	10,37	0,9		0	0	0,3	90	0	0,3	B	0,05	2	CEMBRA (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e	c	1	10:05:39.96	17,1	145	42,85	2	121							-0,13		0,09	0,6	0,9
OZOL	e	c	1	10:05:41.78	27,9	334			110							0,02			0,9	0,7
ZIAN	e	c	1	10:05:41.99	29,5	68			109							-0,03			0,8	0,6
DOSS	i	c	1	10:05:42.59	33,1	183			107							-0,01			0,8	0,9
CARE	e	c	1	10:05:45.05	48	305			102							-0,02			0,9	0,7

07/06/2013	23:21:07,90	46,6433	10,6498	10,5	0,7	1	0	0	1,3	90	0	1,3	B	0,27	0	LASA (BZ)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	i	c	1	23:21:12.62	24,6	171	15,61	2	113							0,15		-0,43	1	0,8	
OZOL	e		2	23:21:15.27	40,8	131				104						0,17			0,4	0,3	

08/06/2013	15:04:09,59	45,7333	10,5153	1,14	1,2	1,4	0	0	1	90	0	1	D	0,11	0	IDRO (BS)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI	e		2	15:04:14.39	28,7	17	18,48	3	92							-0,11		0,14	0,9	0,9
DOSS	e		2	15:04:19.07	54,8	73	26,28	3	91							0,11		0,01	0,8	1

08/06/2013	22:02:58,72	45,8468	11,3696	6,01	0,3	0,8	0	0	1,3	90	0	1,3	C	0,06	0	ROTZO (VI)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
DOSS	e	d	1	22:03:01.44	14,5	285	3,5	2	112						10	0,04		0	0,2	0,4	
PANI	e		2	22:03:02.83	22,8	353	5,74	2	105							0,08		-0,16	0	0,1	

09/06/2013	11:25:56,27	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE			1	11:25:56.27			57,29	1							32					

10/06/2013	11:42:18,55	46,6985	10,0465	20,21	1,4		0	0	4,09	90	0	4,09	D	0,12	0	DELRAS [CH]					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	e		2	11:42:29.28	58,5	121	37,26	3	109							0,16		-0,11	1,4	1,2	

10/06/2013	15:25:18,78	46,1365	11,1798	7,14	1	1,7	0	0	0,8	90	0	0,8	C	0,05	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	15:25:21.62	15,3	129				115					27	-0,05			1,1	1,1
DOSS	e		2	15:25:23.85	28,5	179				104						0,04			0,8	0,9
OZOL	e		3	15:25:24.34	31,2	342				103						0,08			1	0,8
CARE	e		2	15:25:27.21	49,1	311				98						-0,04			0	1

10/06/2013	15:33:25,44	46,1240	11,2253	8,42	0,8		0	0	0,6	90	0	0,6	B	0,07	2	BASELGA DI P. (TN)		EXPL?		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	15:33:27.76	11,7	134	29,89	2	126							-0,15		0,05	0,6	0,8
DOSS	e		2	15:33:30.38	27,3	186			107							0,06			0,8	0,7
ZIAN	e		1	15:33:30.93	31,1	57			105							-0,02			0	0,7
CARE	e		2	15:33:34.52	52,7	309			99							-0,03			0	0

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

10/06/2013	18:39:20,76	46,6503	12,3105	11,12	1,7	1,7	0	0	0,7	90	0	0,7	B	0,26	0	TRE CIME LAVAR. (BL)	M 1.5(O)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
ZIAN	e	d	2	18:39:33.01	70,9	234			99							-0,01			1,8	2
OZOL	e		2	18:39:37.80	100,4	254			96							-0,23			1,8	1,6
PANI	e		2	18:39:37.90	100,4	228			96							-0,13			1,4	1,8
DOSS	e		2	18:39:41.43	121,7	225			59							-0,09			1,7	1,9
CARE	e		2	18:39:42.08	126,3	259			59							-0,11			1,7	1,6

10/06/2013	20:03:52,75	45,7673	11,0040	11,15	0,5	0,7	0	0	0,2	90	0	0,2	C	0,02	0	ALA (TN)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag			
VARA	e		2	20:03:55.36	10,6	308	57,43	2	136						10	-0,02		0	0,4	0,1			

10/06/2013	23:44:30,00	45,8816	11,1393	11,15	0,7		0	0	1,1	90	0	1,1	C	0,19	0	TERRAGNOLO (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
DOSS	e		1	23:44:32.19	3,8	93	33,65	1	161							0,18		0,06	0,2	0,2	
VARA	i	c	1	23:44:34.03	19,8	252	36,73	2	119							0,14		-0,19	0,8	0,9	
PANI	i	d	1	23:44:34.63	24,1	39	37,72	2	115							0,09		-0,37	0,5	0,6	

11/06/2013	04:35:57,67	,	,											10	PIANURA PADANA EMIL.				M 2.0(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA			3	04:35:57.67			72,36	3							90							
DOSS			2	04:35:57.93			71,86	3							87							
PANI			2	04:36:00.99			17,77	2							89							
RNI			3	04:36:01.35			19,39	2							88							
ZIAN			3	04:36:05.10			24,32	2							88							
OZOL			2	04:36:07.85			29,02	2							85							
CARE			3	04:36:08.37			30,23	2							85							

11/06/2013	07:38:28,22	,	,											0	OZOL					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL	e	c	2	07:38:28.22			30,67	2							35					

11/06/2013	12:23:07,88	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	e	c	0	12:23:07.88			9,05	1							29					

11/06/2013	20:47:42,62	,	,											10	PARMENSE	M 2.0(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			2	20:47:42.62			60,05	2							100					
RNI			3	20:47:43.38			61,69	2							98					
DOSS			3	20:47:44.42			64,45	3							97					
PANI			3	20:47:46.69			67,68	2							96					
ZIAN			3	20:47:50.92											98					

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

12/06/2013	06:35:13,30	46,5825	10,4904	7,92	0,9		0	0	0,1	90	0	0,1	C	0,01	0	GIOGO STELVIO (BZ)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	e	d	1	06:35:17.59	23,7	138	20,89	2	109							0,02		-0,01	0,8	0,8	

12/06/2013	09:19:11,21	45,5320	10,8938	10,23	0,9		0	0	4,2	90	0	4,2	D	0,1	0	SAN PIETRO CAR. (VR)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
DOSS	e		3	09:19:19.17	45	31				103						0,07			0,8	0,9	

12/06/2013	13:08:43,34	,	,											0	RNI					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI	i	d	0	13:08:43.34			44,91	1							31					

12/06/2013	16:05:10,62	46,1525	11,1573	2,06	0,8		0	0	3,2	90	0	3,2	D	0,11	2	GIOVO (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	i	c	1	16:05:13.62	17,8	129				97						-0,06			0,7	0,8	
DOSS	e	c	2	16:05:15.81	30,4	175				94						-0,02			0,8	0,8	
ZIAN	e	c	2	16:05:16.54	34,2	66				93						0,06			0,7	0,7	

12/06/2013	16:34:07,41	46,1335	11,1808	4,91	1,2		0	0	0,6	90	0	0,6	C	0,1	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e	c	1	16:34:10.07	15	128				108						-0,04			1,2	1,2
DOSS	e	c	1	16:34:12.28	28,2	179				100						-0,02			1	1,2
ZIAN	e	c	1	16:34:13.14	33,5	62				98						-0,06			1,1	1
VARA	e		2	16:34:14.61	40,7	213				97						0,2			1,2	0,9
CARE	e		2	16:34:15.86	49,4	311				96						-0,03			1	0

13/06/2013	03:18:10,10	,	,											0	CARE,OZOL					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	c	0	03:18:10.10			12,7	2							29					
OZOL	e	d	1	03:18:10.50			13,22	2							29					

13/06/2013	05:45:43,06	,	,											10	MAR ADRIATICO C-SETT	M 3.9(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS			2	05:45:43.06			78,34	3							272					
VARA			2	05:45:44.06			81,38	3							264					
PANI			2	05:45:44.13			79,78	3							265					
ZIAN			2	05:45:45.91			82,13	2							264					
OZOL			2	05:45:49.74			89,97	3							267					
CARE			2	05:45:52.10											275					

13/06/2013	06:58:41,75													0	OZOL					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL	i	c	0	06:58:41.75			42,9	1							27					

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS							RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q				

13/06/2013	07:29:56,79	,	,											10	PIANURA PADANA LOMB.	M 2.7(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			2	07:29:56.79			70,71	2							130					
DOSS	e	d	2	07:29:57.69			73,41	2							132					
RNI			2	07:29:59.58			77,61	3							130					
PANI			2	07:30:01.10			18,27	2							130					
ZIAN			2	07:30:05.36			25,23	2							133					
OZOL			2	07:30:06.39			28,21	2							129					
CARE			2	07:30:06.96			28,72	2							127					

13/06/2013	10:35:10,02	,	,											10	ILIRSKA BISTR. [SLO]	M 2.7(O)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
ZIAN			3	10:35:10.02			39,66	3							157					
PANI			3	10:35:11.07			43,37	3							153					
DOSS			3	10:35:11.37											152					
VARA			3	10:35:14.91			50,24	3							155					
OZOL			3	10:35:15.41			47,73	3							151					
CARE			3	10:35:19.96											149					
RNI			3	10:35:21.53			59,59	3							150					

13/06/2013	13:09:30,30	46,6078	11,3828		6,06	1		0	0	1,5	90	0	1,5	C	0,1	0	SARENTINO (BZ)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag				
ZIAN	e		2	13:09:37.16	39,4	159	42,56	2	99							0,05		0,14	0,8	1				

13/06/2013	22:04:31,21	,	,											0	CARE,OZOL							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
CARE	i	c	0	22:04:31.21			32,94	0							29							
OZOL			1	22:04:31.25			33,23	1							29							

14/06/2013	00:04:51,72	45,7833	11,0445	11,82	1,4	1,4	0	0	0,4	90	0	0,4	B	0,18	0	ALA (TN)			M 1.3(O)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e	c	1	00:04:54.89	12,4	292	57,04	2	134							0,24		0,1	1,7	1,6
DOSS	e	c	0	00:04:55.27	15,5	46	57,62	2	127						18	0,21		-0,04	1,2	1,2
GAGG	e	d	1	00:04:58.02	34	349	62,39	2	109						19	0,14		-0,28	1,4	1,2
PANI	e	c	1	00:04:58.57	37,3	37	63,19	3	108						21	0,16		-0,44	1,2	1,3
RNI	e	c	1	00:04:58.79	39,4	304	64,02	2	107						17	0,04		-0,22	1,3	1,4
OZOL	e		2	00:05:03.71	68,9	0			100							0,04			1,5	1,5
ZIAN	e		2	00:05:03.75	67,9	36			100							0,24			1,3	1,4
CARE	e		2	00:05:04.99	76,2	339			99							0,1			1,1	1,2

14/06/2013	01:41:04,28	,	,											0	RNI							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
RNI	i	c	0	01:41:04.28			6,2	2							30							

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

14/06/2013	14:40:07,28	46,1400	11,1421	4,4	1,1	1,7	0	0	0,5	90	0	0,5	C	0,12	2	TRENTO			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
GAGG	i	c	1	14:40:10.07	15,5	246				106					26	0,03			1	1,1
PANI	i	c	0	14:40:10.37	17,9	124				104						-0,06			1,1	1,1
DOSS	i	c	0	14:40:12.28	29,1	173				99						-0,04			0,9	1
OZOL	e		1	14:40:12.47	30,1	347				98						-0,01			1,1	1,2
ZIAN	e	c	2	14:40:13.27	35,8	65				97						-0,19			1	0,9
VARA	e		2	14:40:14.28	39,8	209				96						0,16			1,1	1
CARE	e	c	1	14:40:15.23	46,7	313				95						-0,07			1	1

14/06/2013	15:13:22,03	46,1350	11,1881	6,34	1	1,8	0	0	0,6	90	0	0,6	C	0,11	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	15:13:24.74	14,7	130				113					28	-0,02			0,9	1,2
GAGG	i	c	1	15:13:25.27	18,6	252				109						-0,12			0,8	0,8
DOSS	e		2	15:13:26.91	28,3	180				103						-0,08			0,9	1
ZIAN	e	c	1	15:13:27.84	32,9	62				101						0,08			1	0,8
VARA	e		2	15:13:29.36	41,1	213				99						0,22			1	1,1
CARE	e		2	15:13:30.57	49,7	310				97						-0,01			0	0,9

14/06/2013	16:28:34,15	46,1294	11,1803	2,86	0,7		0	0	0	90	0	0	C	0	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e		2	16:28:36.73	14,8	126				101						0			0,5	0,6
GAGG	e	c	2	16:28:37.25	17,9	253				99						0			0	0
DOSS	e		2	16:28:38.92	27,7	179				96						0			0	0,7

14/06/2013	18:22:48,79	,	,											10	APPENNINO MODENESE	M 3.5(l)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			1	18:22:48.79			72,09	2							230					
DOSS			2	18:22:49.23			73,54	2							225					
PANI			3	18:22:52.15			79,44	3							226					
GAGG			3	18:22:53.70			78,64	2							223					
RNI			3	18:22:54.20			78,46	2							224					
ZIAN			2	18:22:55.61			80,38	3							230					
OZOL			3	18:22:57.77											222					
CARE			2	18:22:58.52			90,8	3							218					

14/06/2013	18:36:40,97	,	,												10	DOUBLE EVENT				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
ZIAN	i	c	1	18:36:40.97																
PANI	e	c	2	18:36:42.28																
DOSS	e	c	2	18:36:43.35																
GAGG			2	18:36:45.86																
VARA			3	18:36:45.93																
OZOL			2	18:36:45.94																
CARE			2	18:36:49.61																

15/06/2013	10:41:47,14	46,6921	10,6208	11,46	0,7	1,2	0	0	2,4	90	0	2,4	C	0,2	0	VAL MAZIA (BZ)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	e	c	2	10:41:52.58	30,3	169				111					17	-0,11			0,8	0,7

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

15/06/2013	19:41:48,10	,	,											10	ALPI APUANE			M 3.4(I)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		3		19:41:48.10			74,14	2							213					
RNI		2		19:41:49.90			75,6	2							212					
DOSS		2		19:41:49.98			77,37	2							208					
GAGG		2		19:41:51.74			78,8	2							207					
PANI		2		19:41:52.69			83,31	2							210					
CARE		3		19:41:56.64			86,48	3							206					
ZIAN		2		19:41:56.79			87,27	2							210					
OZOL		2		19:41:56.80			89,06	2							207					

16/06/2013	05:19:19,55	46,2458	12,1095		5,64	0,9	0,8	0	0	0,9	90	0	0,9	C	0,12	0	MONTE PELF (BL)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
ZIAN	e	2		05:19:27.06	42,3	275	32,23	2	98						9	0,22		-0,3	0,6	0,7	

16/06/2013	20:05:39,34	,	,											10	NW BALKAN REGION	M 4.1(S)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
ZIAN	i	c	1	20:05:39.34											283					
PANI	i	c	1	20:05:40.64											278					
DOSS	i	c	1	20:05:41.68											276					
GAGG	i	c	1	20:05:44.21											278					
OZOL	i	c	1	20:05:44.37											276					
VARA	i	c	1	20:05:44.58											281					
RNI	e	c	2	20:05:47.30											280					
CARE	e	c	2	20:05:47.42			95,21	3							273					

17/06/2013	21:45:02,28	,	,											0	OZOL,CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL	i	c	1	21:45:02.28			4,23	1							28					
CARE	i	c	0	21:45:02.38											28					

18/06/2013	02:18:19,79	45,7958	10,8081	8,27	0,6	1,7	0	0	0,6	90	0	0,6	B	0,09	0	MALCESINE (VR)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e	2	02:18:21.59	7,6	64	23,2	2	137							26	-0,12		-0,02	0,5	0,1
RNI	e	2	02:18:24.26	25,1	325				108							-0,04			0,3	0,5
DOSS	e	2	02:18:25.50	31	72	29,55	3	105								0,23		-0,01	0,7	0,8

18/06/2013	07:20:59,10	45,6966	10,7831	5,24	1,4	1,6	0	0	0,6	90	0	0,6	C	0,14	0	BRENZONE (VR)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e		2	07:21:02.01	16,9	32	4,63	2	107							-0,11		0,16	1,4	1,4
RNI	e		2	07:21:04.75	33,9	338	9,7	3	99							-0,22		0,15	1,3	1,3
DOSS	e	c	2	07:21:05.57	37,6	57	10,43	2	98							-0,01		-0,21	1,3	1,2
PANI	e		2	07:21:09.24	58,2	47			95							0,16			1,3	1,3

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

18/06/2013	07:49:08,06	45,6803	10,7758	6,24	0,9	0,7	0	0	0,9	90	0	0,9	C	0,09	0	BRENZONE (VR)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e		2	07:49:11.33	18,7	30	14,15	3	108						8	-0,1		0,09	0,9	0,9
RNI	e		3	07:49:14.01	35,4	340			100							-0,2			0,7	0,8
DOSS	e		2	07:49:14.87	39	55			99							0,05			0,9	0,8

18/06/2013	10:06:31,63	46,1051	11,3364	13,24	0,4		0	0	0	90	0	0	C	0,19	0	FIEROZZO (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	i	c	1	10:06:33.86	6	181	36,11	2	155							-0,26		0,05	0,1	0,2	
ZIAN	e	c	2	10:06:36.72	25,9	43			117							0,12			0,4	0,4	
DOSS	e		2	10:06:37.08	27,5	205			116							0,23			0	0,6	

18/06/2013	12:34:07,50	45,6406	10,1065	8,21	1,7		0	0	4,7	90	0	4,7	D	0,21	0	GUSSAGO (BS)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e		3	12:34:18.63	64,9	71				97						-0,05			1,5	1,3	
DOSS	e		2	12:34:22.45	88,3	72				95						-0,22			1,5	1,6	
PANI	e		2	12:34:25.94	105,8	64				94						0,3			1,4	1,7	

18/06/2013	15:25:31,71	46,1270	11,2231	4,91	0,9		0	0	0,3	90	0	0,3	C	0,01	2	BASELGA DI P. (TN)		EXPL?		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	15:25:33.94	12,1	134				112						0			0,5	1
GAGG	e		2	15:25:35.38	21	257				103						-0,02			0,7	0,7
ZIAN	e		2	15:25:37.07	31	58				99						-0,01			1,2	0,8
CARE	e		2	15:25:40.70	52,3	309				95						0,01			0,8	0,9

18/06/2013	20:25:10,41	45,5471	10,9976	12,89	3,2	3,2	0	0	0,5	90	0	0,5	C	0,2	0	GREZZANA (VR)			M 3.2(O)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	i	d	0	20:25:16.61	32	346	21,09	2	112							0,31		0,19	3,2	3,1	
DOSS	i	d	0	20:25:17.97	39,9	22	23,06	2	108						164	0,4		-0,1	3,5	3,7	
RNI	i	d	0	20:25:20.22	56,3	329			103						150	-0,07			2,9	3	
GAGG	i	d	1	20:25:20.99	59,7	357			102						112	0,14			3,1	3	
PANI	e	d	1	20:25:21.47	61,8	25			102						136	0,27			3	3,2	
ZIAN	e	c	1	20:25:26.45	92,2	28			98							0,13			3,4	3,4	
OZOL	e		2	20:25:26.99	95,3	3			98						137	0,15			3,3	3,3	
CARE	e		2	20:25:27.67	100,3	347			97						119	-0,02			3	3	

18/06/2013	20:33:19,51	45,5368	10,9768	11,95	1	1,3	0	0	1	90	0	1	C	0,1	0	GREZZANA (VR)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e	d	1	20:33:25.62	32,7	349	30	2	110							0,15		-0,12	1	0,8	
DOSS	e	c	1	20:33:27.02	41,6	23			106							0,12			1,2	1,3	
RNI	e		3	20:33:29.40	56,5	331			102							0,01			0	0,8	

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

18/06/2013	20:36:58,65	45,5503	10,9851	12,97	0,9		0	0	1	90	0	1	C	0,15	0	GREZZANA (VR)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e		2	20:37:04.72	31,4	347	8,99	2	112							0,26		0	1,1	1,1	
DOSS	i	c	1	20:37:05.95	39,9	23	11,11	2	108							0,12		-0,31	1,1	1,3	
RNI	e		2	20:37:08.26	55,5	329			103							-0,14			0,8	0,9	
PANI	e	c	1	20:37:09.64	61,9	26			102							0,17			0,9	0,8	
ZIAN	e		2	20:37:14.56	92,3	29			98							-0,03			1,1	1,1	

18/06/2013	21:06:06,30	45,5421	10,9823	11,82	0,9	1,9	0	0	0,9	90	0	0,9	C	0,08	0	GREZZANA (VR)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag			
VARA	e		2	21:06:12.27	32,3	348	16,68	2	110						34	0,1		-0,07	0,8	0,7			
DOSS	e	d	1	21:06:13.66	40,9	23				106						0,09			1,2	1,3			

19/06/2013	00:30:06,97	45,7843	10,8354	8,99	0,5	1,8	0	0	0,5	90	0	0,5	B	0,07	0	NAGO - TORBOLE (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e		2	00:30:08.89	6,6	46	10,4	2	144						29	0,01		0,03	0,4	0,4	
RNI	e		2	00:30:11.82	27,4	323				108						-0,08			0,3	0,5	

19/06/2013	10:51:30,51	,	,											10	FRIGNANO				M 3.5(l)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA			2	10:51:30.51			51,69	2							150							
DOSS			2	10:51:31.31			49,64	3							151							
RNI			2	10:51:33.45			55,53	2							149							
PANI			2	10:51:34.07			59,92	2							150							
GAGG			2	10:51:34.35			54,41	2							149							
ZIAN			2	10:51:38.03			61,47	2							150							
OZOL			2	10:51:39.00			63,03	2							145							
CARE	e	d	2	10:51:39.37			63,52	3							146							

19/06/2013	10:55:23,35	,	,											10	FRIGNANO			M 2.0(l)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			2	10:55:23.35			42,84	3												
DOSS			3	10:55:23.84			41,61	3												
RNI			3	10:55:25.66			47,41	3												
GAGG			3	10:55:27.29			45,56	3												
PANI			3	10:55:27.85			47,16	3												
ZIAN			3	10:55:30.94			52,81	2												

19/06/2013	11:03:41,41	,	,											10	FRIGNANO				M 2.8(l)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
DOSS			3	11:03:41.41			62,47	3							147							
VARA			2	11:03:41.82			61,48	3							151							
RNI			2	11:03:44.44			66,44	2							151							
PANI			3	11:03:44.66			66,01	3							151							
GAGG			3	11:03:45.32			63,78	3							148							
ZIAN			3	11:03:48.58			71,37	2							150							
OZOL			3	11:03:50.17			72,94	2							148							
CARE			3	11:03:51.37			73,08	3							145							

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

19/06/2013	11:16:15,36	,	,											10	FRIGNANO				M 2.4(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
DOSS		3		11:16:15.36											94							
VARA		2		11:16:15.80			34,84	3							94							
RNI		3		11:16:18.33			39,74	2							93							
PANI		3		11:16:18.44			39,29	3							93							
GAGG		3		11:16:19.94			37,82	2							90							
ZIAN		3		11:16:23.37			45,18	2							94							
OZOL		3		11:16:24.87			46,65	2							88							
CARE		3		11:16:25.53			46,86	3							88							

19/06/2013	12:05:24.02	,	,											10	FRIGNANO				M 2.3(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
DOSS		3		12:05:24.02			42,44	2							89							
VARA		2		12:05:24.23			43,67	3							92							
RNI		3		12:05:26.70			48,22	3							93							
GAGG		2		12:05:28.63			46,22	3							93							
PANI		3		12:05:28.97			50,17	3							93							
ZIAN		3		12:05:31.15			53,65	2							91							
OZOL		3		12:05:34.39			54,7	3							90							
CARE		3		12:05:35.85											84							

19/06/2013	15:04:48,94	46,1286	11,1915	5,39	0,9		0	0	0	90	0	0	C	0	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	15:04:51.51	14,1	128				111						0			0,9	0,9
GAGG	i	c	1	15:04:52.26	18,7	254				106						0			0,8	0,6
DOSS	i	c	2	15:04:53.75	27,6	180				101						0			1	0,8
ZIAN	e		2	15:04:54.66	33,1	60				99						0			0,9	0,6

19/06/2013	15:53:02,96	,	,											10	ZONA REGGIO EMILIA	M 2.5(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			2	15:53:02.96			20,37	1							96					
DOSS	i	d	2	15:53:04.01			22,28	2							94					
RNI			2	15:53:05.33			23,71	2							96					
GAGG			3	15:53:06.59			27,42	2							95					
PANI			2	15:53:06.78			28,55	2							95					
ZIAN			2	15:53:11.18			36,28	2							93					
OZOL			3	15:53:11.20			34,18	3							94					
CARE			3	15:53:11.23			37,31	3							93					

19/06/2013	15:55:47,11	46,1376	11,1816	6,25	1,2	1,8	0	0	0,6	90	0	0,6	C	0,06	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	15:55:49.95	15,3	129				112						0,02			1	1,2
GAGG	i	c	1	15:55:50.37	18,3	251				109				30		-0,03			1,2	1,1
DOSS	i	c	1	15:55:52.16	28,6	179				102						0,04			1,1	1,2
OZOL	e		2	15:55:52.68	31,2	341				101						0,14			1,4	1,2
ZIAN	i	c	1	15:55:52.87	33,2	62				101						-0,02			1,1	1

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

19/06/2013	16:06:37,29	46,1246	11,2175	0,28	0,6		0	0	0	90	0	0	C	0	2	FORNACE (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e	1	16:06:39.39	12,2	132				91							0			0,5	0,6
GAGG	e	2	16:06:40.81	20,5	257				91							0			0,6	0
DOSS	e	2	16:06:41.97	27,3	185				91							0			0,6	0,7
ZIAN	e	2	16:06:42.70	31,6	58				91							0			0,5	0,4

19/06/2013	16:13:21,98	,	,											10	FRIGNANO			M 2.2(I)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS		3		16:13:21.98			39,59	3							104					
VARA		2		16:13:22.11			41,13	3							106					
RNI		3		16:13:24.26			45,61	3							106					
PANI		3		16:13:25.93			48,69	3							105					
GAGG		3		16:13:26.12			49,43	3							104					
ZIAN		3		16:13:30.07			57,95	3							105					

19/06/2013	16:28:56,02	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE		2		16:28:56.02			56,57	1							33					

19/06/2013	17:16:14,95	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	c	0	17:16:14.95			17,01	1							38					

19/06/2013	18:16:32,96	45,8400	11,6289	9,27	0,9	1,2	0	0	0,6	90	0	0,6	B	0,1	0	VALSTAGNA (VI)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS	e		1	18:16:39.28	34,5	277	43,81	2	105							0,22		-0,01	0,7	0,9
ZIAN	e		2	18:16:41.42	48,8	354				101						-0,03			0,6	0,6

19/06/2013	21:15:52,21	,	,											10	NW BALKAN PENINSULA				M 3.0(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
ZIAN			2	21:15:52.21			85,18	3							150							
PANI	e	c	1	21:15:53.95			90,7	3							145							
DOSS			3	21:15:55.21			93,43	2							142							
OZOL			3	21:15:57.07			96,81	2							144							
GAGG			3	21:15:57.57											143							
VARA			3	21:15:58.15											147							
RNI			3	21:16:03.02			45,71	3							144							
CARE			3	21:16:05.33											141							

20/06/2013	07:33:45,30	46,3493	11,1165	1,56	1,2		0	0	0,5	90	0	0,5	C	0,12	0	SMARANO (TN)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL	e	c	2	07:33:46.52	7,8	320				101						-0,14			1,8	1,8
GAGG	e		2	07:33:50.89	32	202	55,12	3	93							0,12		0,08	1,5	1,4
CARE	e		2	07:33:51.13	33,3	285				93						0,13			0,8	0,8
ZIAN	e	c	2	07:33:51.13	35,4	103	56,27	2	93							-0,22		0,2	1,1	1,2
PANI	i	c	1	07:33:51.50	37,2	153	56,58	2	92							-0,17		-0,05	1	1,2
DOSS	e		2	07:33:54.22	52,5	174				92						-0,05			1,1	1,2

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

20/06/2013	08:46:29,57	45,5400	10,1455	9,1900	2,2	2,2	0	0	2,2	90	0	2,2	C	0,22	0	TRAVAGLIATO (BS)			M 2.0(O)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI	e	2	08:46:40.14	61,5	37	48,49	3	99						41	-0,06		0,01	1,9	1,9	
VARA	e	2	08:46:41.20	66,6	62				98						0,14			1,9	1,8	
DOSS	e	2	08:46:44.68	89,6	65				96					51	-0,28			2,2	2,2	
GAGG	e	2	08:46:45.10	87,4	46				96						0,5			1,9	1,9	
PANI	e	2	08:46:48.04	108,5	58				95						-0,15			2,2	2,4	
ZIAN	e	2	08:46:52.99	137,1	53				59						0,22			2,5	2,3	

20/06/2013	18:01:11,62	45,4953	10,2378	10,6	1,8		0	0	3,7	90	0	3,7	D	0,22	0	CASTENEDOLO (BS)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS	e	2		18:01:26.11	85,5	60				97						-0,25			1,7	1,6
GAGG	e	2		18:01:26.68	86,1	41				97						0,23			1,4	1,5

20/06/2013	18:02:49,70	45,5453	11,0013	14,03	2,2	2,5	0	0	0,6	90	0	0,6	C	0,21	0	GREZZANA (VR)			M 2.2(O)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	i	d	1	18:02:55.96	32,2	345	60,42	2	114							0,25		0,02	2,3	2,2
DOSS	i	d	0	18:02:57.31	39,9	21	62,43	2	109						76	0,37		-0,15	2,6	2,6
RNI	i	d	1	18:02:59.57	56,6	329			104						75	-0,11			2	2,2
GAGG	e	d	1	18:03:00.37	59,9	357			103						68	0,15			2	1,8
PANI	e		2	18:03:00.83	61,9	25			103							0,28			1,8	2,1
ZIAN	e		2	18:03:05.94	92,2	28			99							0,3			2,3	2,3
CARE	e	c	2	18:03:07.28	100,5	346			98							0,23			1,9	1,9

21/06/2013	04:38:01,33	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	c	1	04:38:01.33			2,13	2							28					

21/06/2013	10:06:55,28	46,1833	11,2001	7,39	1		0	0	0,1	90	0	0,1	B	0,02	2	CEMBRA (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	e		2	10:06:58.60	18	145				112						-0,01			0,7	1,2	
GAGG	i	c	1	10:06:59.20	21,7	239				109						0			0,9	0,8	
OZOL	e	c	2	10:07:00.08	27	335				105						0,01			0,8	0,8	
ZIAN	i	c	1	10:07:00.52	29,9	70				104						-0,02			1,1	0,6	
DOSS	e		2	10:07:01.18	33,7	181				102						0			0,8	1	

21/06/2013	10:34:29,11	,	,											10	ALPI APUANE				M 5.2(I)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		0		10:34:29.11			53,52	2												
RNI		1		10:34:30.82			58,22	2												
DOSS		2		10:34:30.82			55,81	2												
GAGG		1		10:34:32.57			59,65	2												
PANI		1		10:34:33.50			66,58	2												
CARE		2		10:34:37.69			67,34	2												
ZIAN		1		10:34:37.69			73,78	3												
OZOL		1		10:34:37.82			72,63	2												

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS							RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q				

21/06/2013	10:40:28,37	,	,												10	LUNIGIANA	M 3.1(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	10:40:28.37			50,48	3												
DOSS			3	10:40:29.77			57,86	3												
RNI			3	10:40:30.68			54,23	3												
GAGG			3	10:40:31.10			59,31	3												

21/06/2013	10:47:27,34	,	,											10	LUNIGIANA	DOUBLE EV. M 2.6(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		3		10:47:27.34																
RNI		3		10:47:28.96																
DOSS		3		10:47:29.87																

21/06/2013	10:55:37,54	,	,											10	LUNIGIANA				M 2.5(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA		3		10:55:37.54			62,34	2							106							
DOSS		3		10:55:38.59			65,18	3							105							
RNI		3		10:55:38.78			65,31	3							105							
GAGG		3		10:55:40.04			66,56	3							105							

21/06/2013	10:57:29.23	,	,												10	LUNIGIANA	M 2.6(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		3		10:57:29.23			55,38	3												
DOSS		3		10:57:31.95			59,63	3												
GAGG		3		10:57:33.08			60,02	3												

21/06/2013	11:05:34,46	,	,												10					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		3		11:05:34.46			60,03	2							119					
DOSS		3		11:05:35.41			64,15	3							116					
RNI		3		11:05:36.03			62,78	3							118					
GAGG		3		11:05:37.52			68,17	3							116					
PANI		3		11:05:38.47											115					

21/06/2013	11:07:54,62	,	,												10					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		3		11:07:54.62			78,67	3							119					
RNI		3		11:07:56.57			80,91	3							119					
DOSS		3		11:07:56.82			82,83	3							118					
GAGG		3		11:07:58.96			87,97	3							118					

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

21/06/2013	11:51:12,22	,	,											10	ALPI APUANE				M 3.2(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA		2		11:51:12.22			38,55	3							156							
DOSS		3		11:51:13.84			42,55	3							152							
RNI		3		11:51:14.82			40,8	3							155							
GAGG		3		11:51:15.67			42,78	2							151							
PANI		3		11:51:17.11			45,66	3							155							
ZIAN		3		11:51:20.81			52,31	3							154							
OZOL		3		11:51:20.95			50,62	3							153							
CARE		3		11:51:21.09			51	3							147							

21/06/2013	11:58:39,27	,	,											10	LUNIGIANA				M 3.0(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA		3		11:58:39.27			64,1	3														
DOSS		3		11:58:40.56			68,05	3														
RNI		3		11:58:40.64			65,75	2														
GAGG		3		11:58:42.05			71,72	3														
PANI		3		11:58:43.44			73,43	3														
CARE		2		11:58:47.15			76,28	3														
OZOL		3		11:58:47.47			77,96	3														
ZIAN		3		11:58:47.70			76,87	3														

21/06/2013	12:00:09,06	,	,											10	ALPI APUANE			M 3.0(I)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		3		12:00:09.06			34,33	2								173				
RNI		3		12:00:11.87			36,26	3								170				
GAGG		3		12:00:12.09			38,32	2								170				
DOSS		3		12:00:12.87			38,64	3								170				
ZIAN		3		12:00:16.96			48,52	3								169				

21/06/2013	12:06:49,62	,	,											10	LUNIGIANA				M 2.9(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA		3		12:06:49.62			73,59	2														
DOSS		3		12:06:51.18			77,1	3														
GAGG		3		12:06:52.15			81,94	3														
PANI		3		12:06:52.49																		
RNI		3		12:06:52.57			76,33	3														
ZIAN		3		12:06:57.57			86,42	3														
OZOL		3		12:06:59.43			84,55	3														

21/06/2013	12:13:11,03	,	,											10	ALPI APUANE				M 4.0(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA	e	c	1	12:13:11.03			37,43	2							270							
DOSS	e	c	2	12:13:12.61			41,29	2							272							
RNI	e	c	1	12:13:12.63			40,78	2							273							
GAGG	e	c	1	12:13:14.61			43,94	2							272							
PANI	e	c	2	12:13:15.36			45,13	3							273							
CARE	i	c	1	12:13:19.54			49,31	1							268							
ZIAN			2	12:13:19.77			50,17	2							268							
OZOL	e	c	1	12:13:19.82			49,8	2							270							

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS							RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q				

21/06/2013	12:20:30,31	,	,											10	LUNIGIANA				M 3.8(l)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA	e	c	2	12:20:30.31			56,31	2							203							
RNI	e	c	2	12:20:31.81			59,46	2							203							
DOSS	e	c	1	12:20:31.87			59,24	2							202							
GAGG	e	c	2	12:20:33.92			61,03	2							201							
PANI	e	c	2	12:20:34.56			63,55	2							201							
CARE	i	c	1	12:20:38.70			68,2	2							196							
ZIAN			2	12:20:38.90			69,29	2							204							
OZOL	e	c	2	12:20:39.08			68,75	2							200							

21/06/2013	12:42:03.28														10	ALPI APUANE			M 2.9(l)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA			3	12:42:03.28			29,03	3							141						
RNI			3	12:42:06.32			30,6	2							138						
GAGG			3	12:42:06.94			33,5	3							134						
PANI			3	12:42:08.01											136						
OZOL			3	12:42:11.99			41,87	2							133						

21/06/2013	13:34:53,33	,	,											10	LUNIGIANA	M 2.8(l)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	13:34:53.33			78,59	2												
DOSS			3	13:34:55.21			82,36	2												
GAGG			3	13:34:56.80			86,4	3												
PANI			3	13:34:57.69																

21/06/2013	13:36:56,58	,	,											10	LUNIGIANA	M 3.0(l)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	13:36:56.58			81,16	2												
RNI			3	13:36:56.81			84,53	2												
DOSS			3	13:36:57.13			84,83	3												
GAGG			3	13:36:58.10			86,14	3												
PANI			3	13:37:00.46																
OZOL			3	13:37:04.38			34,14	2												
ZIAN			3	13:37:04.41			34,86	3												
CARE			3	13:37:04.61			33,95	3												

21/06/2013	13:48:00,31	,	,											10	ALPI APUANE				M 3.2(l)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA			3	13:48:00.31			25,54	2							149							
DOSS			2	13:48:01.37			28,93	2							145							
RNI			3	13:48:02.14			25,86	2							149							
GAGG			2	13:48:03.45											146							
PANI			2	13:48:04.46			34,15	2							148							
ZIAN			3	13:48:08.85			37,44	3							146							
CARE			3	13:48:08.87			36,68	2							144							
OZOL			3	13:48:09.19			38,62	3							144							

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS							RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q				

21/06/2013	13:58:57,26	,	,											10	ALPI APUANE				M 3.6(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA	e	c	2	13:58:57.26			83,96	2							229							
RNI	e	c	2	13:58:58.95			87,49	2							226							
DOSS	e	c	2	13:58:58.95			86,48	1							226							
GAGG	e	c	2	13:59:00.96			30,19	2							226							
PANI			2	13:59:01.80			33,62	3							222							
ZIAN			2	13:59:05.75			39,62	3							226							
CARE	i	c	1	13:59:05.89			38,3	3							222							
OZOL	e	c	2	13:59:06.10			37,26	2							222							

21/06/2013	14:23:54,28	,	,											10	ALPI APUANE				M 4.0(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA	e	c	0	14:23:54.28			80,45	2							268							
DOSS	i	c	1	14:23:55.68			83,66	2							265							
RNI	e	c	2	14:23:55.78			82,73	3							266							
GAGG	e	c	1	14:23:57.83			85,77	2							265							
PANI	e	c	2	14:23:58.50			91,1	2							266							
CARE	i	c	1	14:24:02.65			34,32	3							261							
ZIAN			2	14:24:02.76			33,36	2							265							
OZOL	e	c	2	14:24:02.86			32,79	2							265							

21/06/2013	14:57:22,83	,	,											10	ALPI APUANE				M 3.0(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA			2	14:57:22.83			49	1							158							
DOSS			3	14:57:24.31			51,77	2							159							
RNI			3	14:57:24.39			51,58	3							158							
GAGG			2	14:57:26.45			54,02	3							158							
PANI			2	14:57:27.15			58,45	2							158							
CARE			3	14:57:31.52			61,32	2							155							
OZOL			2	14:57:31.54			61,91	2							156							
ZIAN			2	14:57:31.56			62,93	2							158							

21/06/2013	17:13:12.02		,		,											10	ALPI APUANE			M 2.6(I)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA			3	17:13:12.02			37,67	2							126							
DOSS			3	17:13:13.38			41,56	3							123							
GAGG			3	17:13:14.57			43,08	3							123							
RNI			3	17:13:15.25			39,79	2							123							
PANI			3	17:13:15.64											122							

21/06/2013	17:18:53,65	,	,											10	ALPI APUANE			M 2.7(I)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	17:18:53.65			79,19	2							135					
RNI			3	17:18:55.14			81,98	3							135					
DOSS			3	17:18:55.31			82,77	3							133					
GAGG			3	17:18:56.35			86,08	3							133					
PANI			3	17:18:57.51			89,16	3							132					

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

21/06/2013	19:23:08,78	,	,											10	ALPI APUANE				M 2.8(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA		3		19:23:08.78			33,86	2							137							
DOSS		2		19:23:09.86			37,74	2							136							
RNI		3		19:23:09.90			34,65	3							137							
GAGG		3		19:23:11.74			38	2							135							
PANI		3		19:23:12.80			38,97	3							136							
CARE		3		19:23:16.52			45,39	2							134							
ZIAN		3		19:23:17.04			46,23	3							134							
OZOL		3		19:23:17.19			46,21	2							133							

21/06/2013	22:21:46,14	,	,											10	LUNIGIANA				M 2.6(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA			3	22:21:46.14			71,71	2							160							
DOSS			3	22:21:47.52			75,77	2							162							
RNI			3	22:21:49.49			74,59	3							162							
GAGG			3	22:21:49.69			78,77	3							162							
PANI			3	22:21:50.20			76,82	3							161							
ZIAN			3	22:21:54.50			84,69	2							160							
OZOL			3	22:21:54.70			84,18	2							160							

22/06/2013	01:56:44.20													10	ALPI APUANE				M 3.4(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA		2		01:56:44.20			70,41	1							218							
DOSS		2		01:56:45.22			73,86	2							212							
RNI		2		01:56:45.85			70,84	2							217							
GAGG		2		01:56:47.93			76,07	2							210							
PANI		2		01:56:48.70			75,25	2							215							
CARE		3		01:56:52.59			82,82	2							206							
OZOL		3		01:56:52.88			86,83	3							211							
ZIAN		2		01:56:53.10			87,36	3							219							

22/06/2013	03:07:53,12	46,7100	10,4303	1,78	1,4	1,6	0	0	1	90	0	1	D	0,19	0	MONPICCO (BZ)			M 1.5(S)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	i	d	1	03:07:59.65	37,8	147	64,34	2	93						27	0,07		-0,28	1,2	1,2	
OZOL	i	c	2	03:08:03.39	58,6	126			92							0,25			1,2	1,1	
GAGG	e		2	03:08:06.99	80,6	150			91							0,09			1,4	0	
RNI	e		2	03:08:07.15	82,4	170			91							-0,05			1,4	1,5	
ZIAN	e		2	03:08:10.40	99,4	119			91							0,28			1,1	1	
DOSS	e		2	03:08:11.77	109,2	148			91							-0,02			1,3	1,6	

22/06/2013	07:26:06,81	,	,											10	ALPI APUANE				M 2.6(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA		3		07:26:06.81			30,73	3								143						
DOSS		3		07:26:07.31			36,44	2								138						
RNI		3		07:26:07.88			32,18	2								142						
PANI		3		07:26:10.18												140						

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

22/06/2013	12:15:20.03	,	,											10	KANAL [SLO]			M 2.3(O)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI		2		12:15:20.03			42,11	2							121					
DOSS		3		12:15:21.77			45,15	1							120					
OZOL		3		12:15:23.21			48,5	2							119					
GAGG		3		12:15:23.36			49,89	3							119					
VARA		3		12:15:26.31			52,53	3							124					

22/06/2013	12:37:48,33	,	,											10	ALPI APUANE	M 2.6(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		3		12:37:48.33			74,92	2							148					
DOSS		3		12:37:50.09			78,66	3							145					
RNI		3		12:37:50.46			77,39	2							146					
GAGG		3		12:37:52.25			79,81	2							146					

22/06/2013	20:54:22,06	,	,											10	ALPI APUANE			M 2.7(I)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		3		20:54:22.06			47,24	2								128				
DOSS		3		20:54:23.60			51,17	2								128				
RNI		3		20:54:24.97			49,92	2								127				
GAGG		2		20:54:25.78			52,95	3								127				
PANI		3		20:54:26.32												127				
OZOL		3		20:54:30.85			63,14	3								124				

23/06/2013	01:42:52.02		,	,											10	BACINO DI GUBBIO	M 3.1(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS			2	01:42:52.02																
VARA			3	01:42:52.27			85,9	3												
PANI			3	01:42:53.97			87,52	2												
RNI			3	01:42:55.38																
GAGG			2	01:42:56.08																
ZIAN			3	01:42:56.56																
OZOL	e	c	2	01:43:00.23			39,95	2												
CARE			3	01:43:01.59																

23/06/2013	07:12:40,81	,	,											10	PIANURA PADANA EMIL.	M 2.1(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS		2		07:12:40.81			56,84	2							91					
VARA		2		07:12:40.93			56,69	3							96					
PANI		3		07:12:43.48			61,72	3							93					
GAGG		3		07:12:44.63			63,41	2							91					
RNI		3		07:12:44.89			63,34	3							94					
ZIAN		3		07:12:46.72			65,76	3							97					
OZOL		3		07:12:50.14			72,66	2							92					
CARE		3		07:12:51.70			74,69	3							86					

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

23/06/2013	08:19:01,67	,	,											10		DOUBLE EVENT
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st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
ZIAN	e	c	3	08:19:01.67																
PANI	e	c	2	08:19:02.95																
DOSS	e	c	2	08:19:04.15																
GAGG	e	c	2	08:19:06.69																
OZOL			2	08:19:06.76																
VARA			2	08:19:06.96																
CARE			3	08:19:10.50																

23/06/2013	13:00:55,66	,	,											10	LUNIGIANA	M 2.9(l)
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st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	13:00:55.66			80,95	2							145					
DOSS			3	13:00:56.23			84,76	3							144					
RNI			3	13:00:57.56			82,06	2							145					
GAGG			3	13:00:58.47			87,88	3							143					
PANI			3	13:00:59.48			90,42	3							144					
CARE			3	13:01:02.50			33,08	2							142					
OZOL			3	13:01:02.59			33,58	2							142					
ZIAN			3	13:01:03.68											143					

23/06/2013	13:14:13,76	,	,											10	ALPI APUANE	M 3.8(l)
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st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			2	13:14:13.76			39,72	2							233					
RNI			2	13:14:15.06			42,3	3							234					
DOSS			2	13:14:15.20			42,62	3							228					
GAGG	e	c	2	13:14:17.20			43,57	2							229					
PANI			2	13:14:18.01			49,02	3							231					
CARE			2	13:14:21.61			52,07	2							229					
OZOL	e	c	1	13:14:22.20			52,44	2							231					
ZIAN			3	13:14:22.42			53,13	3							232					

23/06/2013	15:02:05,36	,	,											10	ALPI APUANE	M 4.4(l)
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st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e	c	2	15:02:05.36			30,83	2							314					
DOSS	e	c	1	15:02:06.69			32,49	2							313					
RNI	e	c	1	15:02:06.77			32,99	2							315					
GAGG	e	c	2	15:02:08.69			35,62	2							314					
PANI	e	c	1	15:02:09.50			37,34	2							313					
CARE	i	c	1	15:02:13.59			43,74	2							306					
OZOL			1	15:02:13.87			45,5	2							312					
ZIAN			2	15:02:13.88			44,37	3							316					

23/06/2013	15:35:16,58	,	,											10	ALPI APUANE	M 2.6(l)
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st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	15:35:16.58			40,12	2							142					
DOSS			3	15:35:16.80			45,29	2							139					
GAGG			3	15:35:19.12			48,22	3							139					
ZIAN			3	15:35:25.26											135					
OZOL			3	15:35:25.71											135					

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS							RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q				

23/06/2013	18:58:26.83	,	,												10	LUNIGIANA	M 2.4(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS			3	18:58:26.83			54,12	3							122					
GAGG			3	18:58:28.94			54,19	3							123					
ZIAN			3	18:58:33.79			63,02	3							126					
OZOL			3	18:58:34.59			64,25	3							124					

23/06/2013	19:58:48,35	,	,											10	ALPI APUANE				M 2.8(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA		3		19:58:48.35			73,63	3							140							
DOSS		3		19:58:49.15			77,15	2							138							
RNI		3		19:58:49.66			74,42	3							140							
GAGG		3		19:58:51.48			80,87	3							136							
PANI		3		19:58:52.08											137							
CARE		3		19:58:56.31											136							
ZIAN		3		19:58:56.45			86,67	3							139							
OZOL		3		19:58:57.53			88,04	2							134							

23/06/2013	22:21:46,36	,	,											10	ALPI APUANE			M 2.5(I)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		3		22:21:46.36			71,85	3								118				
DOSS		3		22:21:47.23			75,7	2								118				
RNI		3		22:21:47.96			74,16	3								117				

24/06/2013	02:36:28.85		,		,											10	ALPI APUANE				M 3.1(I)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA			2	02:36:28.85			54,7	3														
DOSS			2	02:36:30.32			57,85	3														
RNI			3	02:36:30.49			57,51	3														
GAGG			3	02:36:32.47			61,94	3														
PANI			3	02:36:33.09			62,26	3														
CARE			3	02:36:36.57			66,9	2														
ZIAN			3	02:36:37.50																		
OZOL			3	02:36:37.62			71,2	3														

24/06/2013	06:28:19,33	,	,											0	OZOL					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL	e	c	1	06:28:19.33			21,19	2							37					

25/06/2013	08:17:39,53	45,5858	10,2153	20,37	1,4		0	0	2,7	90	0	2,7	D	0,11	0	LUMEZZANE (BS)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
RNI	e	2		08:17:49.42	54,1	36	56,97	3	111							0		-0,17	1,2	1,3	
DOSS	e	3		08:17:53.65	82,5	67	65,01	3	59							-0,08		0,21	1,4	1,6	

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

25/06/2013	10:07:48,14	46,1260	11,2253	1,21	1		0	0	0,5	90	0	0,5	C	0,11	2	BASELGA DI P. (TN)	EXPL?
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st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	10:07:50.10	11,9	135				96						-0,09			1	1,2
GAGG	e		2	10:07:51.77	21,1	257				93						0,01			0	0
DOSS	i	c	1	10:07:52.74	27,5	186				93						-0,1			0,9	1
ZIAN	e		2	10:07:53.37	31	57				92						-0,07			0,9	0,6
OZOL	e		2	10:07:53.89	33,6	337				92						0			1	0,8
VARA	e		3	10:07:55.63	42	217				92						0,31			1	1
CARE	e		2	10:07:57.08	52,5	309				91						-0,04			1	0,9

25/06/2013	14:16:00,30	45,7686	11,0901	10,49	0,9	1,6	0	0	0,9	90	0	0,9	B	0,17	0	ALA (TN)	
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st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS	i	d	1	14:16:03.54	14,5	32	5,73	2	126						29	0,18		-0,02	0,5	0,8
VARA	e		1	14:16:03.77	16,4	293	6,31	2	123							0,15		0,1	0,8	0,7
GAGG	e		2	14:16:06.91	36,4	344	11,47	2	106							0,13		-0,36	0,9	0

25/06/2013	15:10:48,87	46,1358	11,1875	6,22	1,2	2	0	0	0,4	90	0	0,4	C	0,08	2	ALBIANO (TN)	EXPL?
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st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	15:10:51.62	14,8	130				113					32	0,01			1,3	1,5
GAGG	i	c	1	15:10:52.14	18,6	252				108						-0,09			1,3	1,2
DOSS	i	c	1	15:10:53.85	28,4	180				102					42	0			1,2	1,3
ZIAN	e	c	1	15:10:54.60	32,9	62				101						0			1,2	1,1
VARA	e		2	15:10:56.13	41,2	213				99						0,14			1,3	1,2
RNI	e		2	15:10:57.28	47	248				98						0,31			1	1,2
CARE	e	c	2	15:10:57.35	49,6	310				97						-0,06			0,9	1

25/06/2013	21:26:17,53	,	,												10	LUNIGIANA	M 2.6(l)
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st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	21:26:17.53			44,6	3							126					
DOSS			3	21:26:19.61			48,07	3							124					
RNI			3	21:26:20.62			46,15	2							124					
GAGG			3	21:26:21.13			47,6	3							123					
PANI			3	21:26:22.69			52,14	3							125					
CARE			3	21:26:26.17											121					
OZOL			3	21:26:26.32			55,97	3							124					
ZIAN			3	21:26:27.18			56,21	3							123					

26/06/2013	07:46:18,65	,	,												10	LUNIGIANA	M 2.5(l)
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st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DOSS			3	07:46:18.65			45,79	2							116					
RNI			3	07:46:18.86			43,96	3							119					
GAGG			3	07:46:20.96			48,39	3							116					
PANI			3	07:46:21.96			50,6	3							118					

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

26/06/2013	12:30:01,50	46,6108	11,3983	8,24	1,2	1,2	0	0	0,5	90	0	0,5	B	0,14	0	SARENTINO (BZ)			M 1.1(O)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
OZOL	e		2	12:30:07.59	35,2	229	12,57	2	103							-0,09		0,07	1,4	1,4	
ZIAN	e		2	12:30:08.52	39,3	161	13,77	2	102							0,16		0,06	1	1,3	
CARE	e		2	12:30:11.30	57,7	249			98							-0,15			1,1	1	
PANI	e		2	12:30:12.48	62,5	184			98							0,21			1	1,1	
RNI	e		2	12:30:17.37	92,1	220			95							0,07			1,2	1,3	

26/06/2013	14:54:28,31	46,1270	11,2190	3,11	0,9	1,5	0	0	0,4	90	0	0,4	C	0,04	2	BASELGA DI P. (TN)		EXPL?		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e		1	14:54:30.50	12,3	133				104						0,02			0,8	1,1
GAGG	e		2	14:54:31.85	20,7	257				99					22	-0,04			0,8	0,6
DOSS	e	c	1	14:54:33.07	27,5	185				96						0,02			0,6	0,8
ZIAN	e		1	14:54:33.67	31,3	58				96						-0,02			0,8	0,7

26/06/2013	15:45:15,89	46,3486	11,1418	10,27	1,2		0	0	0,5	90	0	0,5	B	0,08	0	SFRUZ (TN)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
GAGG	e		2	15:45:21.70	32,7	206	26,38	3	107							-0,04		0,07	1,3	1,2
ZIAN	e	d	2	15:45:21.97	33,4	104			107							0,1			1	1,4
PANI	e		2	15:45:22.25	36,3	156			106							-0,09			0,8	1,5
CARE	e		2	15:45:22.27	35,2	284	26,97	2	106							0,11		-0,08	0,9	0,9

26/06/2013	16:14:35,59	46,1365	11,1846	6,53	1,2	1,9	0	0	0,2	90	0	0,2	B	0,03	2	ALBIANO (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	16:14:38.40	15	129				113					30	0,01			1,4	1,5
GAGG	i	c	1	16:14:38.90	18,4	251				109					28	-0,03			1,3	1,2
DOSS	i	c	1	16:14:40.64	28,5	179				103					38	0,05			1,3	1,2
OZOL	e		2	16:14:41.13	31,4	341				102						0,06			1,2	1,1
ZIAN	i	c	1	16:14:41.33	33,1	62				101						-0,02			1,3	1
CARE	e	c	2	16:14:44.05	49,3	310				98						-0,05			0,9	0

26/06/2013	18:49:42,21	45,7163	10,7560	9,05	0,7		0	0	0,7	90	0	0,7	B	0,08	0	BRENZONE (VR)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e		2	18:49:45.20	16,4	42	47,9	2	119							-0,21		0	0,5	0,5	
DOSS	e		2	18:49:48.96	38,3	62				103						0,03			0,7	0,8	

26/06/2013	21:03:29,09	46,5403	10,6275	7,97	1,2	1,7	0	0	0,7	90	0	0,7	B	0,21	0	CIMA VERTANA (BZ)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	d	1	21:03:31.98	13,9	157	33,81	2	120						25	0,14		-0,17	1,2	1,2
OZOL	e		2	21:03:35.61	35,9	115	40,09	2	103							0,23		-0,2	1,5	1,4
GAGG	e		2	21:03:39.03	56,8	153			98							0,13			1,1	1,1
RNI	e		1	21:03:39.85	62,2	180			97							0,04			1,3	1,4
DOSS	e		2	21:03:43.96	85,2	149			95							0,24			0	0

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

26/06/2013	21:15:31,61	,	,											10	ALPI APUANE				M 2.8(l)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA		3		21:15:31.61			57,25	2							170							
DOSS		3		21:15:32.54			60,24	3							167							
RNI		3		21:15:33.20			57,53	2							169							
GAGG		3		21:15:34.87			64,42	3							167							
PANI		3		21:15:35.59			65,88	3							167							
CARE		3		21:15:39.20			69,31	2							166							
ZIAN		3		21:15:39.90			69,28	3							171							

26/06/2013	23:23:41,27	,	,											0	VARA					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA		3		23:23:41.27			43,25	3							31					

27/06/2013	01:29:13,90	46,6961	10,8020	7,79	1		0	0	0,6	90	0	0,6	C	0,15	0	PUNTA SALDURA (BZ)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	c	1	01:29:19.26	31,2	195				104						-0,14			0,6	1
OZOL	e	d	1	01:29:20.49	37,8	150	25,4	3	102							0		-0,23	0,8	1

27/06/2013	01:45:02,86	46,5388	10,6308	8,52	1	1,4	0	0	0,6	90	0	0,6	B	0,15	0	CIMA VERTANA (BZ)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag			
CARE	i	d	0	01:45:05.75	13,7	158	7,64	2	122					20		0,13		-0,13	1	0,9			
OZOL	i	c	1	01:45:09.34	35,7	115	13,79	2	103							0,21		-0,22	1,3	1,1			
RNI	e	c	1	01:45:13.65	62	181			98							0,09			0,9	1			

27/06/2013	06:27:31,38	45,7988	11,1830	12,61	1	2,3	0	0	0,5	90	0	0,5	B	0,15	0	TRAMBILENO (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
DOSS	i	c	0	06:27:34.24	9	3	36,24	2	144						48	0,21		0,14	0,6	0,8	
VARA	e	c	1	06:27:35.88	22,5	278	39,38	2	119							0,09		0,16	1,1	0,8	
PANI	i	c	1	06:27:37.06	30,4	23	41,24	2	113							0,06		-0,15	1	0,9	
GAGG	e	c	2	06:27:38.01	36,1	331	42,73	2	109							0,09		-0,28	1,1	1,1	

27/06/2013	08:08:54,36	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	d	0	08:08:54.36			56,25	0							31					

27/06/2013	09:16:23,30	46,5328	10,6253	7,55	0,7		0	0	0,7	90	0	0,7	B	0,13	0	CIMA VERTANA (BZ)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	i	d	0	09:16:26.04	13,3	155	27,92	2	120							0,14		-0,02	0,6	0,6	
OZOL	e		2	09:16:29.70	35,8	114	34,16	2	102							0,15		-0,26	0,9	0,7	

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS							RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q				

27/06/2013	09:58:44,00	46,1331	11,1818	5,54	0,9		0	0	0,1	90	0	0,1	B	0,01	2	ALBIANO (TN)	EXPL?			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	1	09:58:46.71	15	128				110						-0,01			0,8	0,9
GAGG	i	c	1	09:58:47.24	18,1	252				107						0			0,7	0,6
DOSS	i	c	1	09:58:48.91	28,1	179				101						0,01			0,6	0,8
ZIAN	e		2	09:58:49.80	33,5	62				99						0,01			0	0
CARE	e		2	09:58:52.48	49,4	311				96						-0,02			0	0,9

27/06/2013	14:59:29,27	46,1255	11,2113	7	0,9		0	0	0	90	0	0	C	0,01	2	FORNACE (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	i	c	2	14:59:31.73	12,7	131				119						-0,01			1	1	
GAGG	e	c	1	14:59:32.91	20,1	257				109						0			0,8	0,8	
DOSS	e		3	14:59:34.11	27,3	184				104						0,01			0,9	0,7	

27/06/2013	15:19:52,42	46,1368	11,1893	2,42	1		0	0	0,6	90	0	0,6	C	0,11	2	ALBIANO (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	i	c	1	15:19:55.00	14,8	130				99						0,02			0,8	1,1	
GAGG	i	c	1	15:19:55.59	18,8	252				97						-0,07			0,8	0,8	
DOSS	i	c	1	15:19:57.24	28,5	180				95						-0,08			0,7	1	
ZIAN	i	c	1	15:19:58.08	32,8	62				94						0,05			1	0,8	
VARA	e		2	15:19:59.82	41,3	213				93						0,32			0	0,9	
CARE	e		2	15:20:00.90	49,6	310				93						-0,01			0,9	0	

27/06/2013	15:41:47,26	46,1275	11,2218	3,54	1	2,1	0	0	0,2	90	0	0,2	B	0,02	2	BASELGA DI P. (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	i	c	0	15:41:49.42	12,2	134				106				41		-0,01			1,2	1,2
GAGG	e	c	1	15:41:50.89	20,9	256				100						0,01			1,1	0,7
DOSS	i	c	1	15:41:52.03	27,6	185				97						0,01			0,8	0,8
ZIAN	i	c	1	15:41:52.57	31,1	58				96						-0,04			1,1	0,7
CARE	e	c	1	15:41:56.18	52,2	309				94						-0,02			0	0,9

28/06/2013	00:02:26,84	46,4538	10,6551	5,89	0,3		0	0	0,7	90	0	0,7	B	0,09	0	MONTE CEVEDALE (TN)						
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
CARE	e		2	00:02:28.17	4,6	135				142						0,05			0	0		
OZOL	e		2	00:02:32.31	31	100	36,28	2	101							0,08		-0,16	0,5	0,3		

28/06/2013	05:59:55,82	46,6560	12,3080	11,95	1,3	1,5	0	0	0,9	90	0	0,9	B	0,23	0	TRE CIME LAVAR. (BL)					M 1.2(O)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
CARE	e		2	06:00:17.13	126,2	258				59						-0,04			1,6	0		

28/06/2013	14:46:21,97	,	,											0	OZOL,CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL	i	c	0	14:46:21.97			24,12	2							34					
CARE	i	c	0	14:46:22.08			24,01	1							35					

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

28/06/2013	15:19:29,50	46,1376	11,1793	0,12	1		0	0	0	90	0	0	C	0,01	2	ALBIANO (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	i	c	0	15:19:32.13	15,4	129				90						-0,01			1,1	1,2	
GAGG	i	c	1	15:19:32.59	18,1	251				90						0			0,9	0,8	
DOSS	e		2	15:19:34.42	28,7	179				90						0,02			0,8	0,8	

28/06/2013	16:25:16,36	,	,											10	ALPI APUANE	M 2.4(l)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	16:25:16.36			41,09	3							113					
DOSS			3	16:25:17.03			44,85	2							111					
GAGG			3	16:25:18.81			48,2	3							111					

28/06/2013	16:41:06,34	46,1283	11,1813	5,14	0,9	1,6	0	0	0,3	90	0	0,3	B	0,06	2	ALBIANO (TN)			EXPL?		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	i	c	0	16:41:09.00	14,7	126				109						0			0,9	1,1	
GAGG	e	c	1	16:41:09.50	17,9	254				106				24		-0,03			1	0,8	
DOSS	i	c	1	16:41:11.16	27,6	179				101						0,02			0,8	0,7	
OZOL	e		1	16:41:12.04	32,2	342				99						0,13			1	0,7	
ZIAN	e	c	1	16:41:12.10	33,7	61				99						-0,08			1	0,7	
CARE	e		2	16:41:14.80	49,8	311				96						-0,09			0,8	0	

28/06/2013	22:32:14,03	45,7143	10,8068	7	0,8		0	0	1,1	90	0	1,1	B	0,16	0	BRENZONE (VR)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e		2	22:32:16.42	14,2	29	19,03	3	116							-0,32		0,18	1	0,7	
RNI	e		2	22:32:19.74	32,9	334				102						-0,03			0,6	0,8	
DOSS	e		2	22:32:20.15	34,9	58				101						0,03			0,7	0,7	

28/06/2013	22:32:34,49	45,7181	10,8033	5,71	0,7		0	0	0,9	90	0	0,9	B	0,08	0	BRENZONE (VR)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e		1	22:32:37.06	14	31				112						-0,02			0,7	0,5

28/06/2013	22:36:59,85	45,7153	10,7866	5,18	0,5		0	0	0,6	90	0	0,6	B	0,07	0	BRENZONE (VR)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VARA	e		2	22:37:02.36	15	35	4,76	3	109							-0,19		0,09	0,5	0,3	
RNI	e		2	22:37:05.48	32,1	337			99							0,07			0,4	0,4	

29/06/2013	01:53:43,84	45,6723	10,7725	7,04	0,5		0	0	1,9	90	0	1,9	C	0,06	0	BRENZONE (VR)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
RNI	e		2	01:53:50.11	36,2	341				101						-0,04			0,3	0,5	

29/06/2013	04:09:50,93	45,7696	10,5503	0,61	1,2		0	0	0,6	90	0	0,6	D	0,1	0	BAGOLINO (BS)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RNI	e		2	04:09:55.05	24,1	13	58,25	2	91							0		-0,02	1,1	1
VARA	e		2	04:09:55.77	27,6	77	59,51	2	91							0,12		0,18	1,3	1
DOSS	e		2	04:09:59.51	51,1	76			91							-0,15			1,1	1,1

QUATERLY BULLETTIN April-June 2013

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

29/06/2013	06:50:55,48	46,2985	12,4858	9,8	1,8	1,8	0	0	0,7	90	0	0,7	C	0,18	0	CLAUT (PN)			M 1.8(O)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
ZIAN	e	d	2	06:51:07.88	71,1	268				98						0,13			1,8	1,8
PANI	e		2	06:51:11.60	93	253				96						0,13			1,6	1,9
DOSS	e		2	06:51:14.29	110,6	245				95						-0,16			2,2	2,1
OZOL	e		2	06:51:14.57	111	276				95						0,04			1,9	1,8
GAGG	e		2	06:51:16.05	120,3	259				95						-0,06			1,8	1,9

29/06/2013	09:01:20,03	,	,											10	ALPI APUANE			M 3.4(I)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	i	c	1	09:01:20.03			45,85	2							188					
RNI			1	09:01:21.56			48,78	2							187					
DOSS			1	09:01:21.62			49,15	2							185					
GAGG	e	c	2	09:01:23.63			51,41	2							185					
PANI	i	c	2	09:01:24.32			55,64	2							185					
CARE	e	c	1	09:01:28.31			58,44	2							182					
OZOL	e	c	1	09:01:28.71			62,52	3							184					
ZIAN			2	09:01:28.74			63,99	3							188					

29/06/2013	11:07:22,57	,	,											10	ALPI APUANE			M 3.4(I)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			2	11:07:22.57			48,63	2							198					
RNI	e	c	2	11:07:23.94			50,98	2							198					
DOSS	e	c	1	11:07:24.35			52,01	2							195					
GAGG	e	c	2	11:07:26.12			52,53	2							195					
PANI	e	c	1	11:07:27.13			54,91	3							197					
CARE			2	11:07:31.20			60,85	3							195					
ZIAN			2	11:07:31.40			61,99	3							195					
OZOL			2	11:07:31.41			61,21	2							195					

29/06/2013	11:22:00,22	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	c	1	11:22:00.22			1,73	0							30					

29/06/2013	11:23:57,01	,	,											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	c	0	11:23:57.01			58,51	1							34					

29/06/2013	16:28:48,30	,	,											10	LUNIGIANA	M 2.5(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	16:28:48.30			74,06	2							122					
DOSS			3	16:28:49.88			74,65	3							120					
RNI			3	16:28:50.85			76,24	3							121					
GAGG			2	16:28:51.94			78,38	2							123					
PANI			3	16:28:53.26			82,75	3							120					
OZOL			3	16:28:56.40			86,26	2							121					
ZIAN			3	16:28:56.99			87,14	3							122					
CARE			3	16:28:57.33			85,83	2							117					

QUATERLY BULLETTIN *April-June 2013*

DATE	TIME	Geogr. Coord.		DEPTH	Magnitude		LOCATION ERRORS						RMS	TYPE	EPICENTRAL AREA	NOTES
DD-MM-YY	HH/MM/SS	LAT N	LON E	h (Km)	MA	MD	az1	dp1	se1	az2	dp2	se2	q			

30/06/2013	09:50:23.83	45,4540	11,5071	9,7800	1,4		0	0	0,9	90	0	0,9	B	0,1	0	ARCUGNANO (VI)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
DOSS	i	d	2	09:50:33.34	53,5	332	40,18	2	100							0,22		-0,18	1,3	1,2	
VARA	e	d	2	09:50:34.85	63,1	311			99							0,11			1,3	1,1	
PANI	e	c	1	09:50:35.58	67,7	349			98							0,06			1	1,3	
GAGG	e		2	09:50:37.97	81,9	329			97							0,03			1,3	1,2	
OZOL	e		2	09:50:43.21	111,3	341			95							0,28			1,8	1,5	

30/06/2013	14:40:39,97	,	,											10	ALPI APUANE	M 4.4(I)				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA	e	c	2	14:40:39.97			64,39	2							266					
DOSS	e	c	1	14:40:41.39			66,96	1							258					
RNI	e	c	1	14:40:41.56			67,99	2							266					
GAGG	e	c	2	14:40:43.59			69,59	1							260					
PANI	i	c	1	14:40:44.22			74,36	2							265					
CARE	e	c	1	14:40:48.44			78,39	2							250					
OZOL	e	c	1	14:40:48.66			79,04	2							262					

30/06/2013	14:45:23,15	,	,											10	ALPI APUANE			M 2.6(I)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARA			3	14:45:23.15			47,47	2							123					
DOSS			3	14:45:24.40			51,3	2							121					
GAGG			3	14:45:25.54											122					

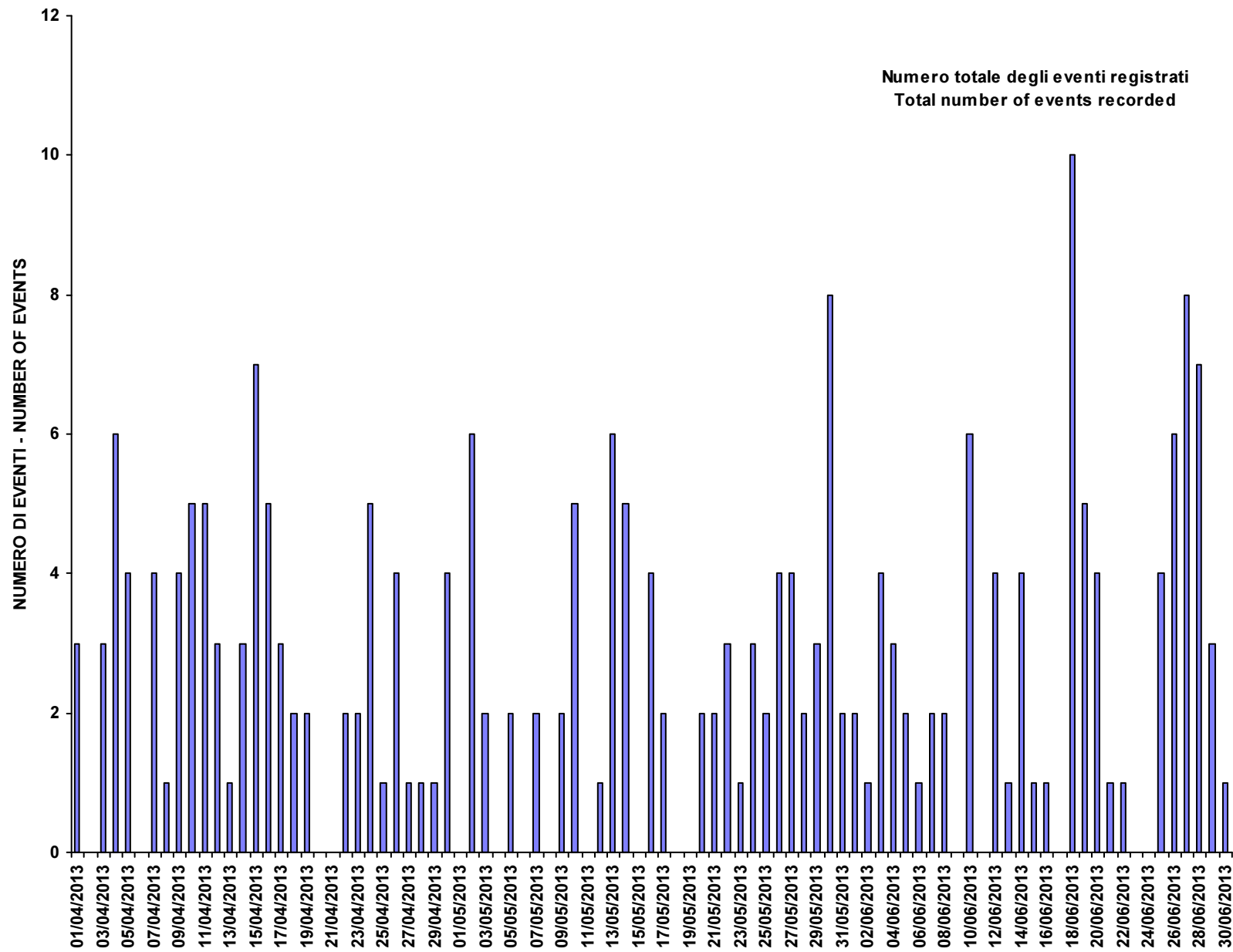
30/06/2013	14:50:37,57	,	,											10	ALPI APUANE				M 2.5(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA			3	14:50:37.57			62,29	2							122							
DOSS			3	14:50:38.72			66,67	2							119							
GAGG			3	14:50:40.72			68,68	3							120							

30/06/2013	15:08:38,92	,	,											10	ALPI APUANE				M 2.8(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA			2	15:08:38.92			65,37	3							154							
RNI			3	15:08:40.21			67,6	2							153							
DOSS			2	15:08:40.48			67,34	2							150							
GAGG			2	15:08:42.31			69,26	3							149							
PANI			3	15:08:43.61			73,48	3							152							
OZOL			3	15:08:47.40			77,38	2							149							
CARE			3	15:08:47.76			76,73	2							143							

30/06/2013	18:19:24,35	,	,											10	ALPI APUANE				M 3.6(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
VARA	e	d	2	18:19:24.35			49,16	2							247							
RNI			2	18:19:25.80			52,39	2							246							
DOSS	e	d	1	18:19:25.88			53,67	2							247							
GAGG	e	d	1	18:19:28.02			54,36	2							246							
PANI	e	d	2	18:19:28.63			56,69	3							245							
CARE			2	18:19:32.52			62,3	2							244							
OZOL	i	c	2	18:19:33.01			62,57	3							242							

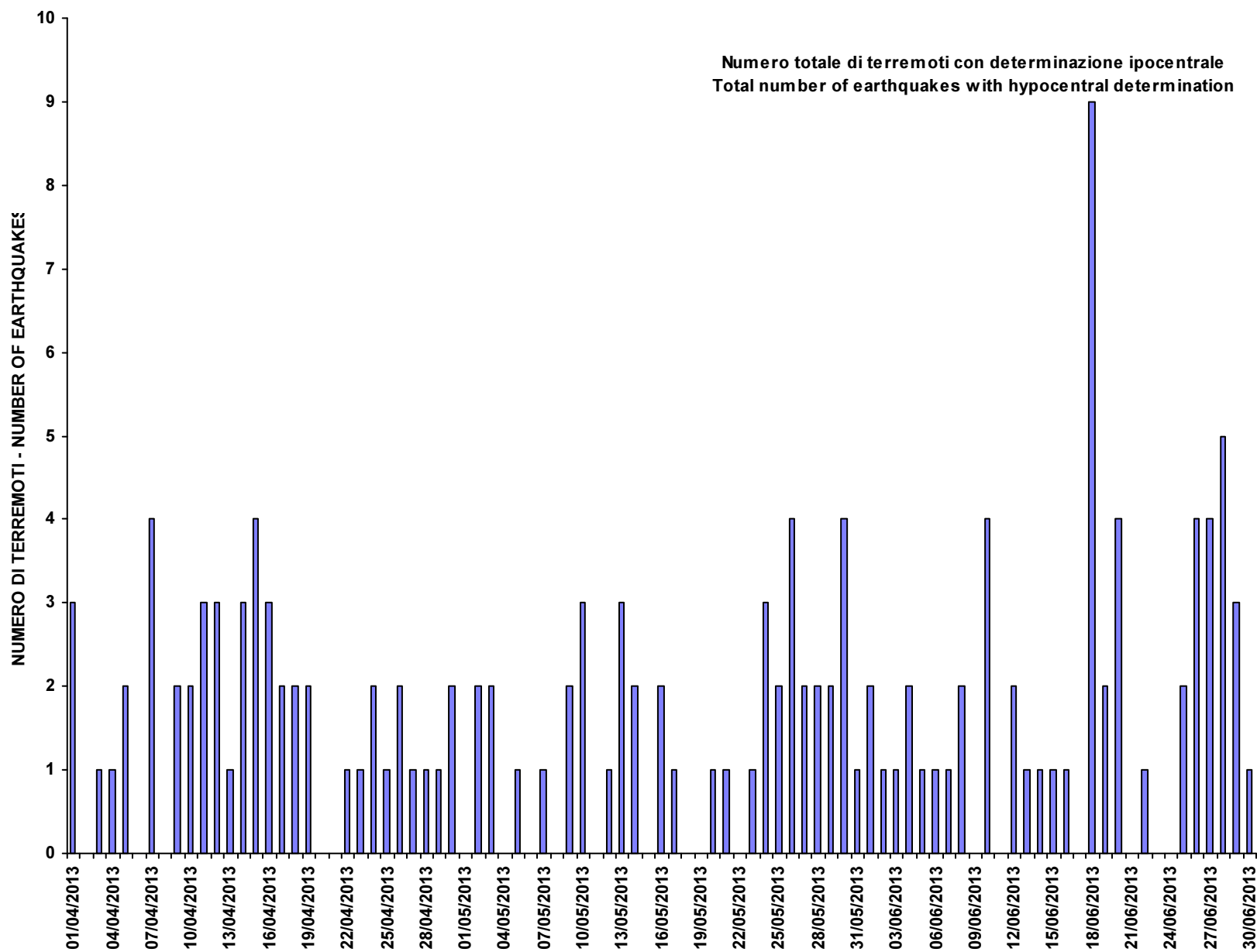
RETE SISMICA DEL TRENTINO ; PERIODO : APRILE - GIUGNO 2013

TRENTINO SEISMOMETRIC NETWORK ; PERIOD : APRIL - JUNE 2013



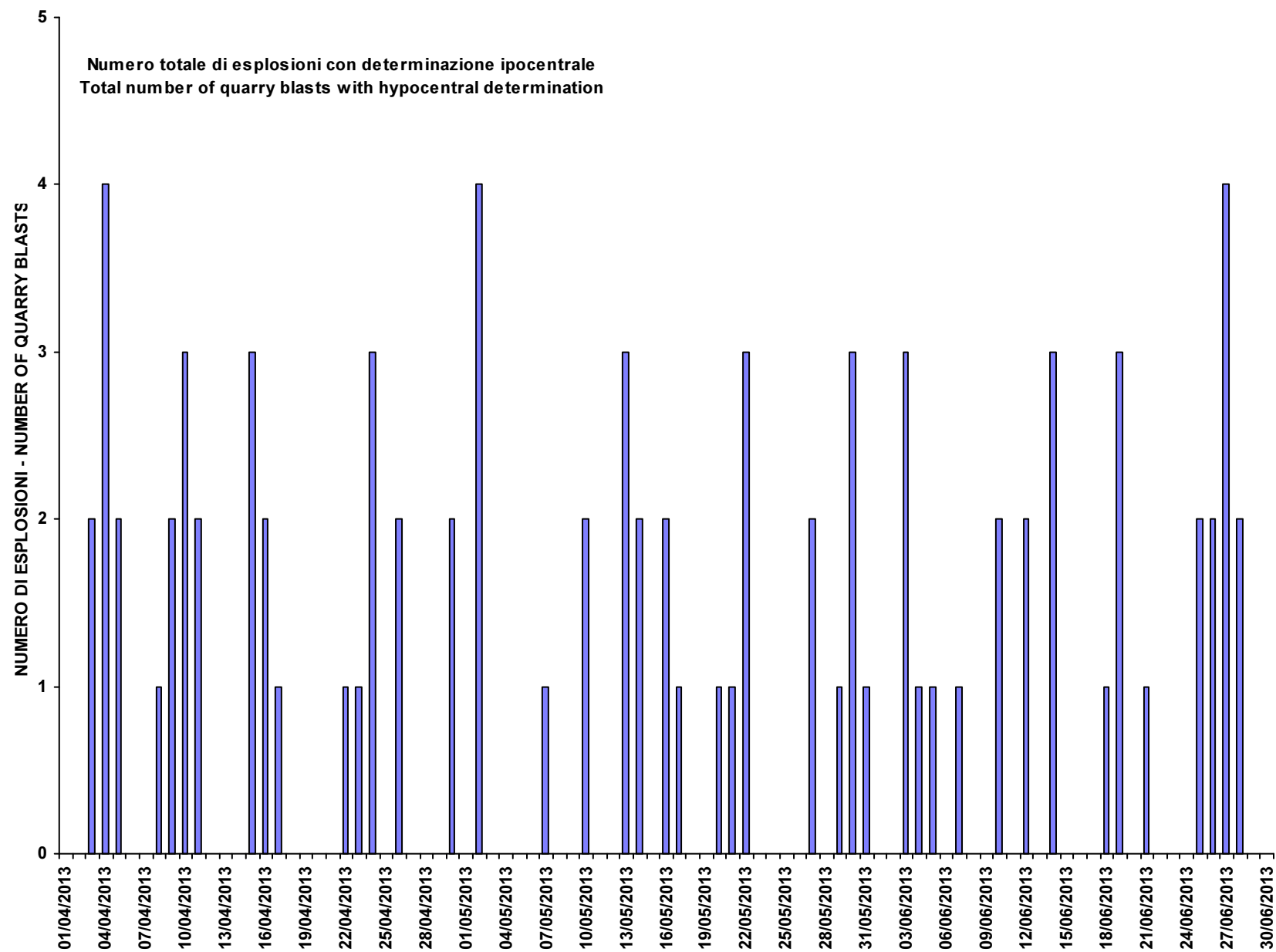
RETE SISMICA DEL TRENTINO ; PERIODO : APRILE - GIUGNO 2013

TRENTINO SEISMOMETRIC NETWORK ; PERIOD : APRIL - JUNE 2013



RETE SISMICA DEL TRENTINO ; PERIODO : APRILE - GIUGNO 2013

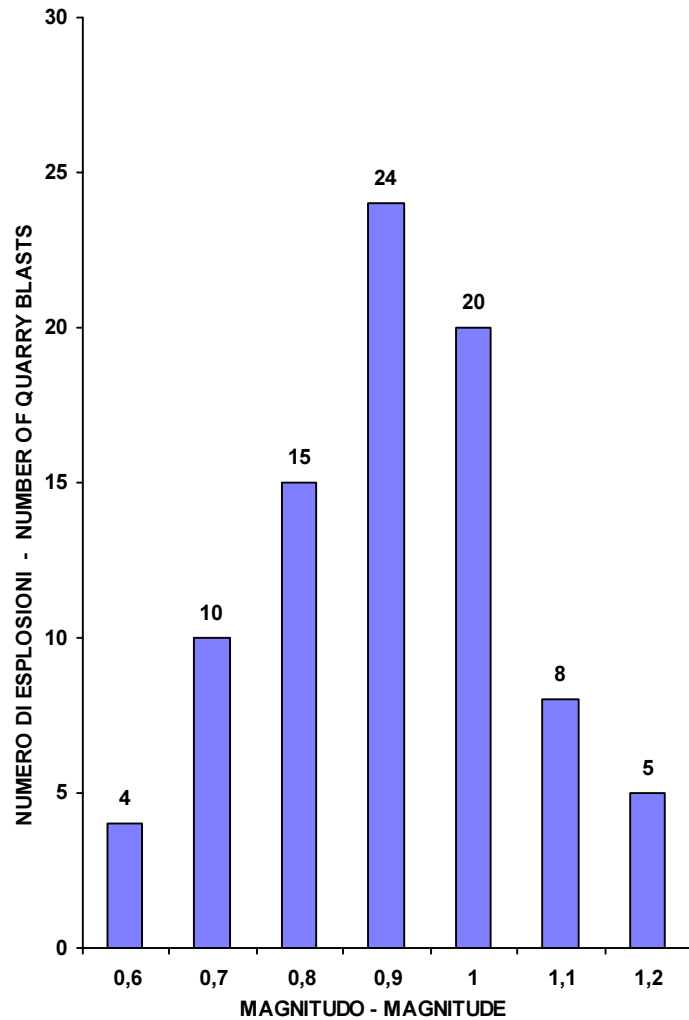
TRENTINO SEISMOMETRIC NETWORK ; PERIOD : APRIL - JUNE 2013



RETE SISMICA DEL TRENTINO ; PERIODO : APRILE - GIUGNO 2013

TRENTINO SEISMOMETRIC NETWORK ; PERIOD : APRIL - JUNE 2013

Numero di esplosioni in funzione della magnitudo
Number of quarry blasts versus magnitude



Numero di terremoti in funzione della magnitudo
Number of earthquakes versus magnitude

