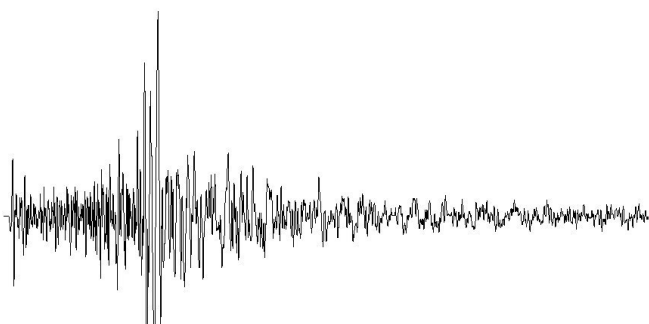
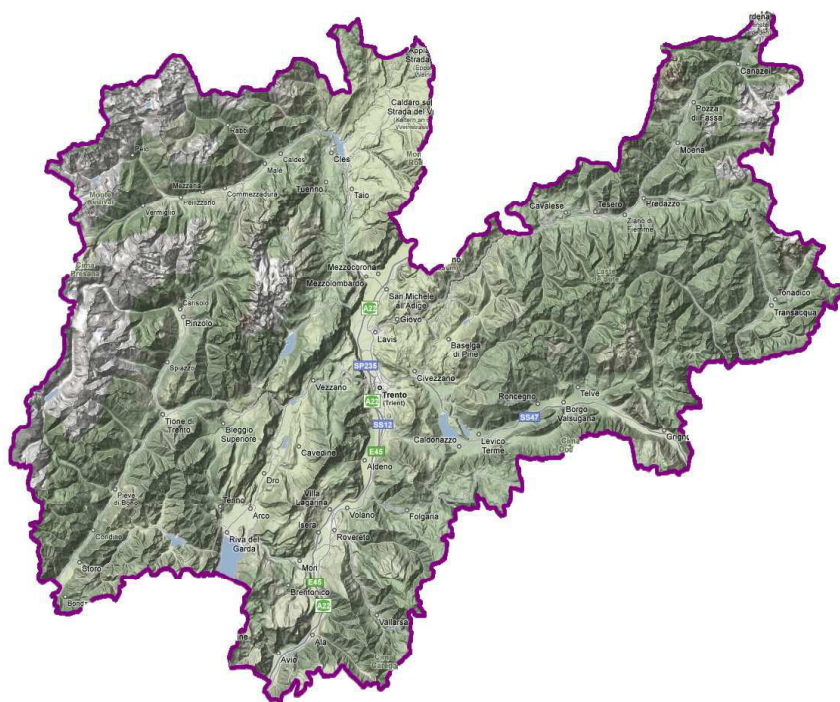




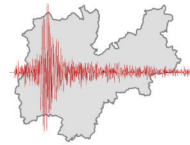
TRENTINO SEISMOMETRIC NETWORK

JULY
SEPTEMBER
2016





PROVINCIA AUTONOMA DI TRENTO
Servizio Geologico
Ufficio Studi Sismici e Geotecnici



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 (ST)

<http://www.protezionecivile.tn.it/territorio/Sismologia/>

TRENTINO SEISMOMETRIC NETWORK

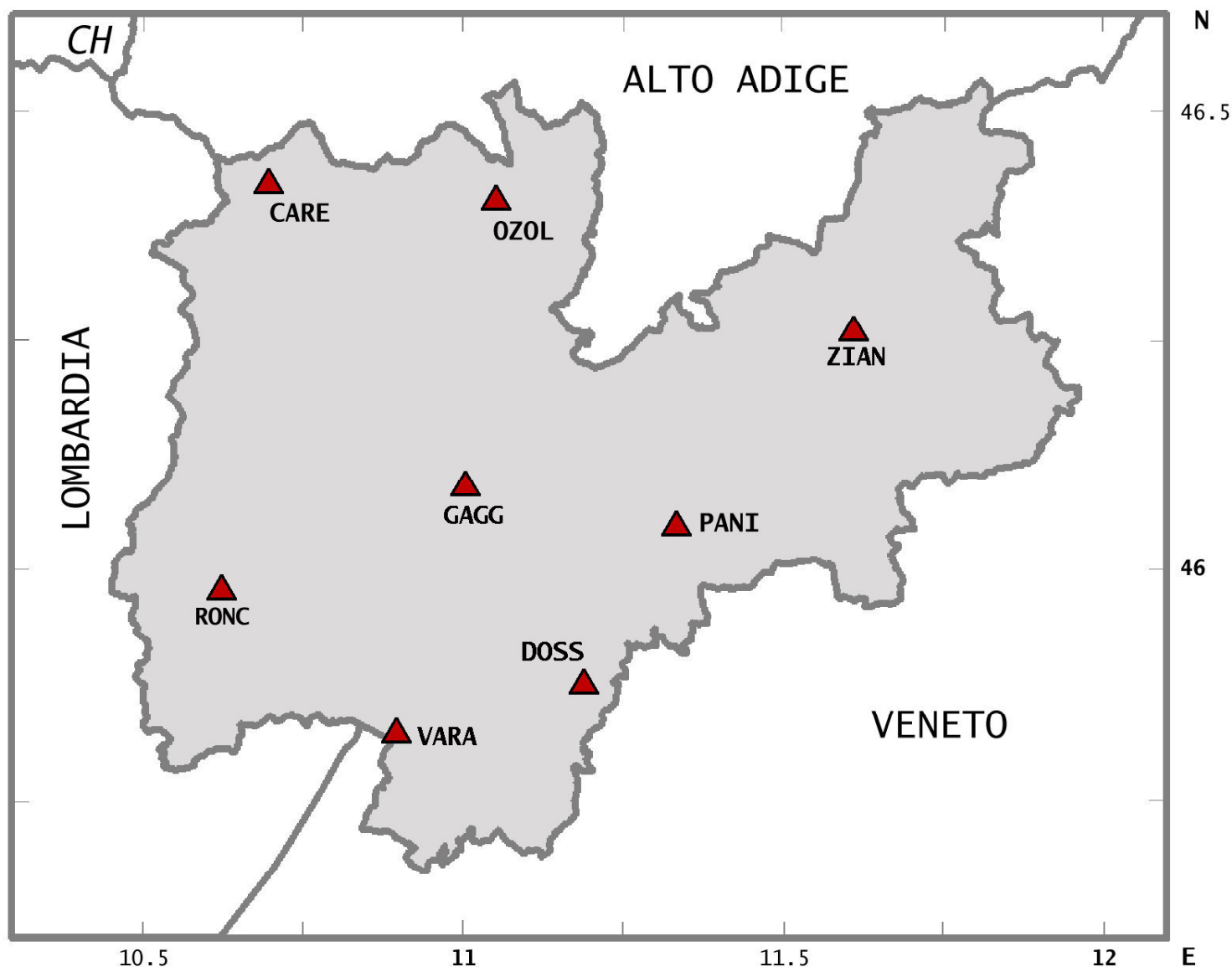
PROVINCIA AUTONOMA DI TRENTO

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RONC	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 INOGS-CRS (N-E Italy Seismic Network)
(I) is the INGV (Rome)
(S) is the Swiss Seismological Service

STATION DATA

st_name : station code
 RONC 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 *July-September 2016*

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			

01/07/2016	10:33:46,67	46,1496	11,1865	2,36	1,4		0	0	0,7	90	0	0,7	C	0,19	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	2	10:33:49.32	15,9	134				98						-0,1			1,5	
GAGG	e	c	2	10:33:49.74	19,1	247				97						-0,22			1,4	
DOSS	i	c	2	10:33:51.52	30	180				95						-0,28			1,3	
OZOL	e		2	10:33:51.85	30	340				94						0,02			1,5	
ZIAN	i	c	2	10:33:52.24	32,3	64				94						0,03			1,3	
VARA	e		1	10:33:54.24	42,4	212				93						0,3			0	
CARE	e		2	10:33:54.89	48,5	309				93						-0,09			0	
RONC	e		2	10:33:55.07	47,5	247				93						0,27			1,3	

01/07/2016	11:17:19,32	,	,											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	1	11:17:19.32			20,92	1							33					

02/07/2016	03:43:35,15	,	,											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	03:43:35.15			36,95	2							34					

02/07/2016	12:51:46,00	45,7820	11,0501	10,15	0,5		0	0	0,5	90	0	0,5	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	c	2	12:51:48.86	12,9	292	51,03	2	128							0,06		0,04	0,6		
DOSS	e		2	12:51:49.32	15,3	45	51,61	2	124							0,18		0,02	0,3		
GAGG	e		2	12:51:52.10	34,3	348			106							-0,01			0		

02/07/2016	17:07:15,47	,	,											10	PARMA			M 2.2(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	17:07:15.47			34,98	3							109					
RONC			3	17:07:16.98			36,75	3							108					
DOSS			3	17:07:17.23			37,04	3							108					
GAGG			3	17:07:18.82			42,24	3							107					
PANI			3	17:07:20.12			44,43	3							108					
ZIAN			3	17:07:24.68			51,31	3							108					

03/07/2016	02:25:00,46	45,8276	10,9653	14,57	0,5		0	0	0,7	90	0	0,7	B	0,23	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	02:25:03.45	5,4	268	5,65	2	160							0,34		0,47	0,2	
DOSS	e		2	02:25:04.61	18,3	71	7,38	2	129							0,15		-0,2	0,4	
GAGG	e		2	02:25:05.95	28,4	359	9,98	2	117							0,03		-0,2	0	

03/07/2016	04:38:02,91	46,0219	10,7300	9,28	1		0	0	0,9	90	0	0,9	C	0,18	0	BOLBENO (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	
RONC	i	c	1	04:38:05.16	9,5	241	6,96	2	134							-0,02		0,01	1		
GAGG	i	c	1	04:38:06.52	19	69	9,52	2	116							0		0,19	0,8		
VARA	e		2	04:38:07.41	25,3	149	11,47	2	110							-0,11		0,35	0		

QUATERLY BULLETTIN *July-September 2016*

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			

03/07/2016	08:29:10,11	,	,											10	REGGIO EMILIA	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		08:29:10.11			28,92	3							109					
DOSS		2		08:29:11.08			33,1	2							107					
RONC		3		08:29:13.02			34,56	3							107					
PANI		2		08:29:13.82			38,5	3							106					
GAGG		3		08:29:14.70			37,02	3							107					
ZIAN		2		08:29:18.06			45,92	3							108					

03/07/2016	09:57:40,49	45,5661	10,9646	17,97	1		0	0	2,29	90	0	2,29	C	0,17	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	09:57:46.48	29,4	350	51,22	2	121							0,11		0,26	1,1	
DOSS	e	d	2	09:57:47.87	39	27	53,17	2	115							0,04		-0,38	0,9	

03/07/2016	10:09:59,65	45,6118	10,4463	26,17	1		0	0	1,6	90	0	1,6	C	0,09	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		2	10:10:07.94	42,4	56	14,02	3	109							0,01		-0,37	0	

03/07/2016	20:03:49,29	45,8873	11,1328	11,72	1,1		0	0	0,5	90	0	0,5	C	0,17	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	i	c	1	20:03:51.57	4,4	101	53,14	2	159							0,14		0,04	0,5	
VARA	i	c	1	20:03:53.29	19,6	250	56,25	2	121							0,1		0,02	0	
PANI	i	c	1	20:03:53.95	24	41	57,28	2	116							0,1		-0,13	0,9	
GAGG	i	d	1	20:03:54.20	25,6	328	57,73	2	115							0,09		-0,14	1,1	
ZIAN	e		2	20:03:58.81	54,6	38			102							-0,02			1,2	

03/07/2016	22:53:55,87	,	,											10	GROSSETO			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	22:53:55.87																
DOSS			3	22:53:56.11																
RONC			2	22:53:58.61																
PANI			3	22:53:59.31																
GAGG			3	22:53:59.82																
ZIAN			2	22:54:02.80			38,95	3												
OZOL			2	22:54:04.69			43,96	3												
CARE			3	22:54:05.02			45,77	3												

04/07/2016	10:08:34,88	46,1368	11,1808	2,15	1,1		0	0	0,3	90	0	0,3	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	10:08:37.52	15,3	129				98						0			1		
GAGG	e	c	1	10:08:38.02	18,2	251				97						0,01			1		
DOSS	e	c	2	10:08:39.69	28,6	179				94						-0,09			1		
OZOL	e		2	10:08:40.20	31,3	341				94						-0,04			1,2		
ZIAN	e	c	1	10:08:40.60	33,3	62				94						0,01			0,9		
VARA	e		2	10:08:41.99	41	213				93						0,09			1,3		

QUATERLY BULLETTIN *July-September 2016*

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			

04/07/2016	11:37:41,07	,	,											10	MANTOVA	M 3.5(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	i	d	1	11:37:41.07			55,1	2							202					
DOSS	i	d	1	11:37:41.35			56,94	2							201					
PANI	i	d	1	11:37:44.41			60,84	2							200					
RONC	e	d	1	11:37:44.59			62,32	2							201					
GAGG	i	d	1	11:37:45.18			62,44	2							201					
ZIAN	i	d	1	11:37:48.50			67,03	2							202					
OZOL	e	d	1	11:37:50.22			71,89	2							198					
CARE	e	d	1	11:37:51.40			72,98	2							198					

05/07/2016	03:08:08,90	46,0128	10,7400	8,38	0,9		0	0	1	90	0	1	B	0,13	0	BOLBENO (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	
RONC	e		2	03:08:10.99	9,8	249	12,78	2	131							-0,11		-0,04	0,7		
GAGG	e	c	2	03:08:12.35	18,7	65	15,32	2	114							-0,05		0,19	0,4		

05/07/2016	09:01:42,60	46,3570	11,8115	13,78	0,9			0	0	0,8	90	0	0,8	C	0,08	0	PASSO DI VALLES (TN)				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		
ZIAN	e		2	09:01:46.88	21,1	245				123						-0,03			1,1			

05/07/2016	22:53:54,39	,	,											10	TORINO	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
RONC			2	22:53:54.39			80	3							167					
VARA			2	22:53:56.06			84,23	3							167					
GAGG			2	22:53:58.05			87,12	3							164					
CARE			3	22:53:58.43											162					
DOSS			2	22:53:58.66			87,23	3							163					
PANI			2	22:54:00.99			31,83	3							164					
OZOL			3	22:54:01.85											163					
ZIAN			2	22:54:04.38			37,61	3							168					

06/07/2016	06:21:16,23	,	,											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	06:21:16.23			17,14	0							23					

06/07/2016	10:26:17,54	46,1335	11,1895	0,11	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	1	10:26:20.01	14,5	129				90						-0,01			1	
GAGG	e	c	2	10:26:20.71	18,7	253				90						-0,02			0,9	
DOSS	i	c	1	10:26:22.26	28,2	180				90						-0,09			1	
ZIAN	e		2	10:26:23.17	32,9	61				90						0,01			0,9	
VARA	e		2	10:26:24.63	41	214				90						0,08			1	
CARE	e		2	10:26:26.05	49,8	310				90						-0,01			0	

QUATERLY BULLETTIN *July-September 2016*

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			

06/07/2016	19:57:52,72	45,8020	10,9111	15,46	0,8		0	0	0,7	90	0	0,7	C	0,22	0	BRENTONICO (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	19:57:55.73	2,9	337	57,93	2	169							0,32		0,43	0,3		
DOSS	e		2	19:57:57.72	23,3	68	60,91	2	124							0,23		-0,3	0,7		
RONC	e		2	19:57:58.45	29,9	312	62,82	2	117							-0,03		-0,15	0,8		
GAGG	e		2	19:57:58.81	31,5	7	63,2	2	116							0,09		-0,2	0,7		
ZIAN	e		2	19:58:05.33	73	44			102							-0,14			1,2		

07/07/2016	02:23:05,05	45,7858	11,0420	11,78	0,5		0	0	1,6	90	0	1,6	C	0,24	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	02:23:08.06	12,2	292	10,48	2	134							0,12		0,28	0		
DOSS	e		2	02:23:08.78	15,5	47	10,6	2	127							0,41		-0,37	0,3		

07/07/2016	05:06:22,32	46,3821	11,7293	9,96	2,3		0	0	1,3	90	0	1,3	C	0,24	4	VAL SAN NICOLO' (TN)			FRANA CIMA UNDCI	
st_name	p_rem	m	w_p	time_s	dist	azm	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	05:06:25.41	17,4	227	28,36	3	120							-0,33		-0,05	1,9	
PANI	e		3	05:06:30.59	47,8	220	37,17	3	102							-0,07		0	2,1	
OZOL	e		2	05:06:31.62	52,2	273	38,79	3	101							0,22		0,31	2,3	
GAGG	e		2	05:06:34.27	68,1	241			98							0,19			2,2	
DOSS	e		2	05:06:34.42	69,7	217	43,69	3	98							0,06		-0,06	2,4	

07/07/2016	10:26:27,00	,	,											10	LA SPEZIA			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	10:26:27.00			51,28	3							152					
RONC			3	10:26:27.95			55,28	3							151					
DOSS			3	10:26:28.78			55,08	3							152					
GAGG	i	c	2	10:26:30.34			57,1	3							151					
PANI			3	10:26:31.51			58,36	3							151					
CARE			3	10:26:34.36			64,18	3							152					
ZIAN			3	10:26:35.15			66,44	3							152					
OZOL			2	10:26:35.27			66,12	3							151					

07/07/2016	20:51:26,56	,	,											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	20:51:26.56			27,46	1							28					

08/07/2016	13:40:23,17	,	,											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	13:40:23.17			24,38	1							25					

08/07/2016	13:50:38,29	,	,												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	13:50:38,29			39,49	1							27					

QUATERLY BULLETTIN July-September 2016

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			

10/07/2016	01:53:48,05	46,5713	10,3900	7,81	1,2		0	0	0,6	90	0	0,6	B	0,18	0	GIOGO S. MARIA (SO)	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	e		1	01:53:53.14	28,7	125	56,81	3	105							0		-0,28	0	
OZOL	e		2	01:53:57.53	54,1	110			98							0,13			1,4	
ZIAN	e		2	01:54:04.79	96	110			95							0,28			1,4	

10/07/2016	15:41:48,44	46,5948	10,7698		7	0,7		0	0	0	90	0	0	C	0	0	SILANDRO (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	15:41:52.02	19,7	196				110						0				0		
OZOL	e		2	15:41:53.76	30,4	135				103						0				1		

10/07/2016	18:18:19,64	,	,											0	PANI,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		
PANI	i	c	0	18:18:19.64			21,58	2							40							
DOSS			3	18:18:21.55			24,72	3							39							

10/07/2016	21:23:43,40	45,8066	11,0356	12,85	0,2		0	0	0,5	90	0	0,5	C	0,04	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	21:23:46.35	11	281	48,52	2	139							0,05		-0,03	0		
DOSS	e		2	21:23:46.66	14,4	56	49,31	2	132							-0,05		0,03	0,3		

11/07/2016	03:53:24,88	,	,											4	PALE S. MARTINO (TN)		FRANA CIMA LASTEI			
st_name	p_rem	m	w_p	time_s	dist	azm	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	03:53:24.88			32,49	3							83					
DOSS			3	03:53:37.82											83					

11/07/2016	07:39:12,84	,	,											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	07:39:12.84			13,73	1							31					

11/07/2016	15:05:15,15	46,1591	11,1871	7,85	0,7		0	0	0	90	0	0	C	0,01	2	CEMBRA LISIGN. (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	15:05:18.28	16,6	137				115						-0,01			0,9		
GAGG	e		2	15:05:18.76	19,6	245				112						0,01			0,7		
DOSS	e		2	15:05:20.63	31	180				104						0,01			0,7		

11/07/2016	19:36:03,91	45,5786	10,1310	12,01	2,6		0	0	1,7	90	0	1,7	C	0,28	0	TRAVAGLIATO (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
RONC	e		2	19:36:13.85	58,8	41				102						-0,32			2,9	
VARA	e		2	19:36:15.66	65,6	65				100						0,34			2,3	
GAGG	e		2	19:36:18.91	85,3	49				98						0,27			2,7	
DOSS	e		2	19:36:19.21	88,9	68				98						-0,03			3,3	

QUATERLY BULLETTIN *July-September 2016*

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				

12/07/2016	04:11:37,51	,	,												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
VARA		3		04:11:37.51			57,38	2							111					
RONC		3		04:11:39.07			58,89	3							112					
DOSS		3		04:11:39.44			59,35	3							112					
GAGG		3		04:11:40.99			62,07	3							113					
OZOL		3		04:11:46.18			70,68	3							114					

12/07/2016	05:19:40,55	,	,											10	PESARO E URBINO	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		3		05:19:40.55			68,19	3							148					
VARA		3		05:19:41.33			69,15	2							154					
PANI		3		05:19:42.65			70,44	3							152					
RONC		3		05:19:44.96			76,32	3							153					
GAGG		3		05:19:45.23			75,34	3							148					
OZOL		3		05:19:48.41			81,88	3							148					

12/07/2016	10:05:32,86	46,1384	11,1883	5,66	0,9		0	0	0,3	90	0	0,3	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	e		1	10:05:35.59	15	131				111						0			1	
GAGG	e		2	10:05:36.14	18,8	251				107						-0,07			0,9	
DOSS	e		2	10:05:37.83	28,7	180				101						-0,03			0,9	
OZOL	e		2	10:05:38.30	31,3	340				100						0,01			0,9	
ZIAN	e		2	10:05:38.55	32,7	62				100						0,01			0,8	
CARE	e		2	10:05:41.30	49,4	310				97						-0,06			0	

12/07/2016	12:58:59,76	,	,											10	PARMA				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		12:58:59.76			79,3	3							116							
RONC		3		12:59:01.37			21,19	2							115							
DOSS		3		12:59:01.50			21,55	3							115							
PANI		3		12:59:04.48			29,01	3							115							

13/07/2016	09:17:45,26	,	,											10	LUCCA	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		09:17:45.26			73,64	3							143					
DOSS		3		09:17:46.41			77,94	3							140					
RONC		3		09:17:47.45			78,2	3							141					
GAGG		3		09:17:50.20			80,94	3							139					

13/07/2016	10:16:39,29	46,1433	11,1820	3,89	0,8		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	e		2	10:16:42.05	15,7	131				104						0			0,9	
GAGG	e		2	10:16:42.52	18,5	249				102						0			0,9	
DOSS	e		2	10:16:44.33	29,3	179				98						-0,01			0,8	
ZIAN	e		2	10:16:44.96	32,9	63				97						0			0,8	

QUATERLY BULLETTIN *July-September 2016*

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				

13/07/2016	11:42:34.45		,		,											10	BOLOGNA			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	e	d	2	11:42:34.45			60,86	2							137						
PANI			3	11:42:38.17											137						
RONC			3	11:42:38.50			65,36	3							136						
ZIAN			3	11:42:41.12											134						
OZOL			3	11:42:43.30			76,82	3							133						
CARE			3	11:42:43.64			77,27	3							134						

13/07/2016	15:27:32,58	46,1343	11,1871	1,41	1,3		0	0	0,5	90	0	0,5	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	15:27:35.01	14,7	129				95						-0,09			1	
DOSS	e		2	15:27:37.28	28,3	180				93						-0,13			1,1	
ZIAN	e	c	2	15:27:38.10	33	61				92						-0,13			1,1	
VARA	e		2	15:27:39.69	41	213				92						0,1			0	
CARE	e		2	15:27:41.10	49,7	311				92						0,03			0	

14/07/2016	06:41:50,41	,	,												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	2	06:41:50.41			51,97	2							26					

14/07/2016	10:07:28,94	46,1396	11,1820	4,99	1		0	0	0,3	90	0	0,3	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	2	10:07:31.72	15,4	130				108						0,01			0,9	
DOSS	e		2	10:07:33.97	28,9	179				100						0,02			1	
OZOL	e		2	10:07:34.28	31	341				99						-0,02			1	
ZIAN	e		2	10:07:34.61	33,1	63				99						-0,05			1	

14/07/2016	15:08:12,09	46,1313	11,1968	11,05	1,2		0	0	0,7	90	0	0,7	B	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	15:08:15.11	13,9	130				128						-0,02			1,2	
DOSS	i	c	2	15:08:17.30	27,9	181				112						0,08			1,2	
ZIAN	e		2	15:08:17.89	32,5	60				109						-0,07			1	
VARA	e		2	15:08:19.41	41,2	214				105						0,04			1,6	
CARE	e		2	15:08:20.86	50,4	310				102						-0,05			1,3	

15/07/2016	05:55:02,61	,	,											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	i	c	1	05:55:02.61			4,15	1							25					

16/07/2016	01:41:51,48	45,7973	11,1481	10,95	0,8		0	0	0,8	90	0	0,8	B	0,14	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	i	c	1	01:41:54.17	9,7	19	55,84	2	138							0,19		-0,09	0,8	
VARA	e		2	01:41:55.52	19,8	279	58,47	2	119							0,17		0,1	1,1	
GAGG	e		2	01:41:57.76	35	335			107							0,01			1,2	

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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			

16/07/2016	07:15:06,81	,	,											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	07:15:06.81			7,82	1							31					

16/07/2016	11:32:24,28	45,9270	11,1020	9,21	1		0	0	0,5	90	0	0,5	B	0,11	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	i	c	1	11:32:26.58	8,5	128	28,17	2	137							0,15		0,07	1	
GAGG	i	d	1	11:32:28.26	20,6	327	31,18	2	114							0,11		0,02	0,9	
PANI	e		2	11:32:28.64	22,7	53	31,44	2	112							0,17		-0,3	1,2	
RONC	e		2	11:32:30.76	37,6	279			104							-0,14			0,9	
ZIAN	i	c	2	11:32:33.46	52,7	43			100							0,03			1,2	

16/07/2016	20:22:49,95	46,4710	11,4921	19,37	0,6		0	0	0,7	90	0	0,7	C	0,05	0	NOVA LEVANTE (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	c	1	20:22:55.02	22,3	166	58,9	2	131							0,02		-0,04	0,7	
OZOL	e		2	20:22:56.80	34,7	257	62,06	2	119							0,06		0,03	0,9	

17/07/2016	01:17:14,98	46,4261	10,7793	11,71	0,7		0	0	1,6	90	0	1,6	C	0,16	0	RABBI (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	i	c	0	01:17:17.43	6,3	268	19,02	1	152							0,17		-0,01	0,4	
OZOL	i	c	1	01:17:19.12	21,1	97	22,11	2	119							0,01		-0,21	0	

17/07/2016	01:17:30,38	,	,											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	1	01:17:30.38			31,92	1												
OZOL	i	c	1	01:17:32.06			34,98	1												

17/07/2016	01:17:50,24	,	,											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	1	01:17:50.24			51,79	1												
OZOL	e	c	1	01:17:51.92			54,78	2												

17/07/2016	01:18:09,74	46,4310	10,7770	11,33	1		0	0	0,8	90	0	0,8	B	0,19	0	RABBI (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	i	c	0	01:18:12.17	6,2	263	13,74	2	151							0,23		0,08	0,8	
OZOL	i	c	1	01:18:13.85	21,3	98	16,82	2	118							-0,02		-0,27	1	
GAGG	e		2	01:18:17.12	41,1	160	22,31	3	105							0,1		-0,39	1	
RONC	e		2	01:18:18.89	51,4	193			102							0,15			0	
ZIAN	e		2	01:18:20.74	62,9	106			100							0,08			1,2	

17/07/2016	04:22:38,81	,	,											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	04:22:38.81			40,38	1							31					

QUATERLY BULLETTIN *July-September 2016*

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				

17/07/2016	05:21:28,70	,	,											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	05:21:28.70			30,25	1							30					

17/07/2016	05:29:18,23	46,4348	10,7793	11,49	0,9		0	0	0,9	90	0	0,9	B	0,17	0	RABBI (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	i	c	1	05:29:20.66	6,4	260	22,25	1	151							0,18		0,01	0	
OZOL	i	c	1	05:29:22.35	21,2	100	25,3	2	118							-0,01		-0,28	0,9	
GAGG	e		2	05:29:25.67	41,4	161			105							0,08			1,1	

17/07/2016	05:31:23,80	,	,											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	05:31:23.80			25,36	1							27					

17/07/2016	07:26:56,43	,	,											0	RONC					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RONC			1	07:26:56.43			57,91	2							33					

17/07/2016	07:43:52,15	46,0251	10,6908	5,45	0,6		0	0	1,2	90	0	1,2	C	0,06	0	TIONE (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
RONC	i	c	1	07:43:53.75	7,2	227	54,86	2	127							0,06		-0,04	0,5	
GAGG	e		2	07:43:55.97	21,7	73			104							-0,01			0,7	

17/07/2016	16:27:43,04	,	,											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	16:27:43.04			44,63	1							27					

18/07/2016	01:13:22,53	45,8306	11,8553	9,13	0,9		0	0	1,2	90	0	1,2	C	0,2	0	ASOLO (TV)		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		2	01:13:32.26	54,5	335	39,4	2	100							0,28		0,07	1,3	

18/07/2016	10:06:47,09	46,1851	11,2055	6,85	0,8		0	0	0,8	90	0	0,8	C	0,1	2	CEMBRA LISIGN. (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	10:06:50.39	18	146			111							0,01			0,7	
GAGG	e		2	10:06:51.06	22,2	239			107							0,01			0,7	
OZOL	e		2	10:06:51.80	27	334			104							-0,05			0	
ZIAN	e		2	10:06:52.30	29,4	70			103							0,05			0,9	
CARE	e		2	10:06:55.28	47,3	304			98							0,02			0	

19/07/2016	04:45:44,51	45,9080	10,7111	12,2	0,5		0	0	0,3	90	0	0,3	B	0,06	0	LEDRO (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
RONC	e		2	04:45:47.32	10,6	320	49,37	2	139							0,05		-0,05	0,4	
VARA	e		2	04:45:48.02	17	122	50,82	2	126							-0,07		-0,06	0	

QUATERLY BULLETTIN July-September 2016

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					

19/07/2016	05:06:50,24	45,9163	10,7091	13,88	0,4		0	0	0,3	90	0	0,3	B	0,04	0	LEDRO (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
RONC	e		2	05:06:53.26	9,8	317	55,39	2	145							0,11		-0,03	0,3	
VARA	e		2	05:06:54.08	17,7	125			128							-0,01			0,7	

19/07/2016	05:40:38,61	45,8988	10,7120	11,26	1,2		0	0	0,6	90	0	0,6	B	0,18	0	LEDRO (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
RONC	e	d	1	05:40:41.38	11,4	323	43,45	2	135							0,03		-0,04	1	
VARA	e		2	05:40:42.18	16,5	119	44,84	2	124							0,16		0,17	0,5	
DOSS	e		2	05:40:45.56	37,1	93	50,3	2	107							0,33		-0,1	0,9	

19/07/2016	05:50:26,55	,	,											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	d	2	05:50:26.55			27,6	2							26					

19/07/2016	06:45:29,35	45,9036	10,7056	14,07	0,9		0	0	0,9	90	0	0,9	B	0,18	0	LEDRO (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
RONC	e		2	06:45:32.48	10,7	323	34,58	2	143							0,11		-0,15	1	
VARA	e		2	06:45:33.28	17,1	120	36,1	2	129							0,14		0,01	0	

19/07/2016	07:08:42,18	45,9021	10,7010	12,61	0,9		0	0	0,7	90	0	0,7	B	0,2	0	LEDRO (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	
RONC	i	d	2	07:08:45.13	10,6	325	47,21	2	140							0,13		0,01	1,1		
VARA	e		2	07:08:45.91	17,4	119	48,79	2	126							0,06		0,08	0		
GAGG	e		2	07:08:47.57	28,4	45			114							0,09			0,8		
DOSS	e		2	07:08:49.36	37,9	94	54,13	2	108							0,35		-0,21	0,9		

19/07/2016	07:23:58,21	45,9145	10,7078	13,33	0,3		0	0	0,4	90	0	0,4	B	0,05	0	LEDRO (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
RONC	e		2	07:24:01.15	9,9	318	3,24	2	143							0,1		-0,02	0,5	

19/07/2016	07:46:20,65	45,9123	10,7098	13,71	0,7		0	0	0,3	90	0	0,3	B	0,07	0	LEDRO (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
RONC	e	d	1	07:46:23.68	10,2	318	25,77	2	143							0,11		-0,08	0,8	
VARA	e		2	07:46:24.45	17,4	124	27,39	2	128							0,01		0	0,6	

19/07/2016	22:37:10,37	,	,											10	MOGGIO UDINESE (UD)		M 2.9(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	c	1	22:37:10.37			28,63	2							138					
PANI			2	22:37:14.61			32,94	1							136					
OZOL			2	22:37:17.09			37,59	2							135					
DOSS	e	c	2	22:37:17.11			36,75	1							136					
GAGG			2	22:37:18.86			39,86	2							136					
VARA			2	22:37:20.29			43,02	2							138					
CARE	e	c	2	22:37:21.09			43,45	1							138					
RONC			2	22:37:23.51			46,6	2							138					

QUATERLY BULLETTIN *July-September 2016*

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			

20/07/2016	06:37:22,18	,	,											10	SENJ [HR]	M 3.3(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	06:37:22.18												179				
DOSS	e	c	1	06:37:22.43			56,23	3								178				
VARA	e	c	2	06:37:24.92			61,27	3								179				
GAGG	e	c	2	06:37:25.49			62,47	3								177				
OZOL			2	06:37:27.21			64,86	3								177				
RONC			2	06:37:28.05			68,23	3								177				
CARE			3	06:37:30.34			68,65	3								177				

21/07/2016	00:32:09,13	45,8930	10,7970	12	1		0	0	0,5	90	0	0,5	A	0,13	0	RIVA DEL GARDA (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	00:32:11.85	10,7	134	14,1	2	138							-0,03		0,07	0,4	
RONC	i	c	1	00:32:12.62	16,7	306	15,24	2	126							-0,02		-0,14	0,7	
GAGG	e		2	00:32:13.93	24,6	31	17,7	2	116							0,12		0,24	0	

21/07/2016	10:12:24,12	46,1866	11,1991	5,42	1		0	0	0,3	90	0	0,3	C	0,05	2	CEMBRA LISIGN. (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	10:12:27.39	18,4	145				106						0			0,8	
GAGG	e	c	2	10:12:27.99	21,8	238				104						0,03			0,9	
OZOL	e	c	2	10:12:28.66	26,6	335				101						-0,1			0,9	
ZIAN	e		2	10:12:29.31	29,8	70				100						0,02			1,7	
DOSS	e		2	10:12:30.00	34,1	181				99						-0,02			0,9	
CARE	e		2	10:12:32.25	46,8	304				97						0,07			0	

21/07/2016	10:12:35,08	46,3890	11,3308	9,13	1		0	0	0,2	90	0	0,2	B	0,04	0	NOVA PONENTE (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	10:12:39.09	21,5	274	42,15	2	113							0,02		-0,04	1	
ZIAN	e		1	10:12:39.13	21,8	125	42,25	2	113							0,01		-0,03	1,5	

21/07/2016	10:16:34,10	46,1843	11,1975	7,17	0,9		0	0	0,2	90	0	0,2	C	0,02	2	CEMBRA LISIGN. (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	10:16:37.44	18,2	144				111						-0,01			0,8	
GAGG	i	c	2	10:16:38.01	21,6	239				108						0,02			0,9	
OZOL	e		2	10:16:38.82	26,8	335				105						-0,03			0,9	
ZIAN	e		2	10:16:39.37	30	70				103						0			1,2	
DOSS	e	c	2	10:16:40.00	33,8	181				102						-0,01			0,9	

21/07/2016	10:21:39,82	46,1333	11,1845	5,57	1		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	2	10:21:42.53	14,8	128				111						0,01			0,9	
GAGG	i	d	2	10:21:43.07	18,3	252				107						-0,02			0,9	
DOSS	e		2	10:21:44.71	28,2	179				101						-0,02			0,9	
ZIAN	e		2	10:21:45.59	33,3	61				100						0,01			0,9	

QUATERLY BULLETTIN *July-September 2016*

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			

21/07/2016	11:10:06,18	,	,											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	1	11:10:06.18			7,73	1							46					
OZOL	i	c	1	11:10:07.84			10,77	1							45					

21/07/2016	11:13:15,82	,	,											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	11:13:15,82			16,65	1							32					

21/07/2016	14:47:15,25	46,1243	11,2218	5,26	0,9		0	0	0,7	90	0	0,7	C	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	2	14:47:17.52	12	133				114						0,03			1	
GAGG	e	c	2	14:47:18.83	20,9	257				104						-0,1			0,9	
DOSS	e		2	14:47:20.05	27,3	185				101						0,05			0,8	
ZIAN	e	c	2	14:47:20.63	31,3	57				100						-0,05			0,9	

21/07/2016	15:40:19,20	46,1351	11,1860	2,39	0,7		0	0	0	90	0	0	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	c	2	15:40:21.79	14,9	129			99							0,02			0,6	
GAGG	e		2	15:40:22.36	18,5	252			97							-0,03			0,7	
DOSS	e		2	15:40:24.04	28,4	180			95							-0,03			0,8	

22/07/2016	00:33:30,79	46,0793	10,7568	7,73	1,2		0	0	0,3	90	0	0,3	B	0,14	0	TRE VILLE (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	d	2	00:33:33.84	15,6	88	36,19	2	116							0,07		0,1	1		
RONC	i	c	1	00:33:33.84	15,1	223	36,11	2	117							0,15		0,17	1		
VARA	e		2	00:33:36.06	30,2	159	40,6	3	104							-0,05		0,33	0		
CARE	e		2	00:33:37.59	38,6	353	42,72	2	101							0,06		-0,06	2		
DOSS	e		2	00:33:37.87	40,2	123			101							0,09			0,8		
OZOL	e		2	00:33:38.31	42,6	32	43,94	2	100							0,12		-0,02	0,9		
PANI	e		2	00:33:38.71	44,8	94	44,34	2	100							0,14		-0,28	1,2		

22/07/2016	08:30:17,02	,	,											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	i	d	1	08:30:17.02			18,23	1							32					

22/07/2016	10:20:18,61	,	,											10	AUSTRIA-GERMANIA		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
OZOL	e	c	1	10:20:18.61			31,84	2							109					
CARE	e	c	2	10:20:19.11			32,8	3							107					
ZIAN	i	c	1	10:20:21.46			36,16	2							112					
GAGG	e	c	2	10:20:24.46			42,6	2							107					
PANI			3	10:20:25.09			42,69	3							108					
DOSS	e	c	1	10:20:28.05			47,89	1							108					
RONC			2	10:20:29.83											108					
VARA			3	10:20:30.13											109					

QUATERLY BULLETTIN *July-September 2016*

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				

22/07/2016	10:43:21,78	,	,											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	e	c	2	10:43:21.78			34,94	2												
CARE			3	10:43:22.09			35,9	3												
ZIAN	e	c	2	10:43:24.54			39,38	2												
GAGG			3	10:43:28.01			45,67	3												
PANI			3	10:43:28.52			45,77	3												
DOSS			3	10:43:30.85			50,61	2												
VARA			3	10:43:33.64			54,42	3												

22/07/2016	10:45:05,94	,	,											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	e	c	2	10:45:05.94			19,1	1							128					
CARE			3	10:45:07.01			20,1	3							132					
ZIAN	e	c	2	10:45:08.76			23,7	2							128					
GAGG			2	10:45:12.10			29,93	3							128					
PANI			3	10:45:12.33			29,71	2							128					
DOSS	e	c	2	10:45:15.34			35,19	1							129					
VARA			3	10:45:17.87			38,62	3							129					

22/07/2016	11:28:39,84	,	,											10	AUSTRIA-GERMANIA				M 2.6(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		
OZOL	e	d	1	11:28:39.84			53,13	2							157							
CARE			3	11:28:40.64											156							
ZIAN			2	11:28:42.75			57,59	2							158							
GAGG	i	d	2	11:28:45.55			63,81	2							156							
PANI			2	11:28:46.24			63,62	2							158							
DOSS	e	d	1	11:28:49.24			69,1	1							154							
RONC			3	11:28:49.33			69,15	3							156							

22/07/2016	11:35:06.22	,	,												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			3	11:35:06.22																
GAGG			3	11:35:13.84																
DOSS			2	11:35:15.76																

22/07/2016	11:40:45,45	,	,											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			2	11:40:45.45			58,53	2							120					
ZIAN			3	11:40:48.76			63,1	3							125					
GAGG			3	11:40:51.89			69,38	3							118					
PANI			3	11:40:51.93			69,1	3							118					
DOSS	e	c	1	11:40:54.85			74,6	2							119					
RONC			3	11:40:55.92											121					
VARA			3	11:40:56.80			78	3							121					

QUATERLY BULLETTIN July-September 2016

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				

22/07/2016	11:58:19,31	,	,											10	AUSTRIA-GERMANIA				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		
OZOL	e	d	1	11:58:19.31			32,42	2							176							
CARE			2	11:58:19.73											165							
ZIAN	e	d	2	11:58:22.11			37,54	2							179							
GAGG	e	d	1	11:58:24.96			43,22	1							175							
PANI	e	d	2	11:58:25.63			43,13	2							175							
RONC			3	11:58:28.24			48,59	3							176							
DOSS	e	d	1	11:58:28.63			48,65	1							175							
VARA			3	11:58:30.40			52,03	2							178							

22/07/2016	12:06:37,74	,	,											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	e	c	2	12:06:37.74			50,76	3							132					
CARE			3	12:06:38.57			52,4	3							130					
ZIAN	e	c	3	12:06:40.59			55,86	2							131					
GAGG	i	c	2	12:06:43.92			61,7	2							131					
PANI	e	c	2	12:06:44.15			61,36	2							133					
RONC			3	12:06:46.90			66,98	3							133					
DOSS	i	c	1	12:06:47.20			66,96	1							129					
VARA			3	12:06:49.47			70,26	3							133					

22/07/2016	12:21:31,97	,	,											0	RONC							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
RONC			2	12:21:31.97			33,29	2							28							

22/07/2016	12:27:23,30	,	,											0	RONC					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RONC			2	12:27:23.30			26,53	2							31					

22/07/2016	16:24:03,62	45,6918	10,6951		5,31	0,8		0	0	0,9	90	0	0,9	C	0,18	0	GARGNANO (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	d	2	16:24:07.24	21,6	46	10,64	2	104							-0,19		0,24	0			

23/07/2016	10:21:27,35	,	,											0	CARE,RONC					
st_name	p_rem	m	w_p	time_s	dist	azm	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	10:21:27.35			30,38	2							36					
RONC			2	10:21:28.60			32,73	2							36					

24/07/2016	01:20:18,74	,	,											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	01:20:18.74			19,64	1							29					

QUATERLY BULLETTIN July-September 2016

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				

25/07/2016	02:28:34,43	,	,											10	COSTA LIGURE OCCID.	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		02:28:34.43			71,07	3								180				
RONC		3		02:28:34.45												180				
GAGG		3		02:28:36.89			76,55	3								178				
DOSS		3		02:28:37.12			76,07	3								177				
PANI		3		02:28:39.19			79,42	3								178				
OZOL		3		02:28:42.77			85,6	3								177				

25/07/2016	06:57:30,51	,	,											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	1	06:57:30.51			31,7	2							21					

25/07/2016	08:06:16,09	,	,											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	1	08:06:16.09			17,3	1							32					

25/07/2016	10:01:29,11	46,1286	11,1973	1,7	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
GAGG	e		2	10:01:32.35	19,1	255				95						-0,04			0,5	
ZIAN	e		2	10:01:34.69	32,7	60				93						-0,01			1,1	

25/07/2016	10:14:41,20	46,1300	11,1900	4,13	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	2	10:14:43.74	14,2	128				106						0			0,5	
GAGG	e	c	2	10:14:44.44	18,6	254				103						-0,02			0,6	
DOSS	i	c	2	10:14:45.99	27,8	180				98						-0,01			0,6	

25/07/2016	12:05:47,59	,	,											10	AUSTRIA-GERMANIA			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
OZOL	e	d	1	12:05:47.59			60,74	2												
CARE	e	d	1	12:05:47.78			62,73	2												
ZIAN	e	d	1	12:05:50.25			65,7	2												
GAGG	e	d	1	12:05:53.23			71,52	2												
PANI	e	d	1	12:05:53.95			71,74	2												
RONC			2	12:05:55.74			77,7	3												
DOSS	e	d	1	12:05:56.94			76,96	2												
VARA			3	12:05:58.93			80,24	2												

25/07/2016	15:16:53,16	46,1401	11,1878	7	1,1		0	0	0	90	0	0	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	1	15:16:56.01	15,1	131				115						0,01			1,1	
GAGG	i	c	2	15:16:56.57	18,8	250				110						-0,02			1,3	
DOSS	e	c	2	15:16:58.22	28,9	180				104						-0,03			1,1	

QUATERLY BULLETTIN *July-September 2016*

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				

25/07/2016	23:24:59,55	,	,											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	23:24:59.55			60,5	1							31					

25/07/2016	23:45:45.97	,	,											0	CARE	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
CARE	i	d	1	23:45:45.97			46,85	1												

26/07/2016	10:15:42,75	45,5465	10,2543	9,07	1,4		0	0	5,5	90	0	5,5	D	0,13	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
RONC	e	c	2	10:15:52.61	56,1	31				99						0,15			1,4	

26/07/2016	23:13:56,74	45,9131	10,9978	12,22	1,4		0	0	0,4	90	0	0,4	B	0,2	0	ISERA (TN)				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	
VARA	i	c	1	23:14:00.03	12,5	219	2,46	2	134							0,31		0,41	1,4		
DOSS	i	c	1	23:14:00.23	15,3	104	2,48	2	129							0,15		-0,21	1,8		
GAGG	i	d	1	23:14:00.73	19,2	351	3,49	2	122							0,11		-0,16	1,8		
RONC	e		2	23:14:02.37	30	285	6,57	2	112							0,09		-0,03	1,6		
PANI	i	c	1	23:14:02.39	30,3	60			112							0,08			1,2		
OZOL	e		2	23:14:06.37	54,6	4			103							0,06			1,5		
ZIAN	i	c	1	23:14:07.09	59,5	47			102							-0,03			1,1		
CARE	i	d	2	23:14:07.54	61,4	338			101							0,1			0		

27/07/2016	11:06:07,23	46,3521	11,7990	11,88	1		0	0	0,7	90	0	0,7	B	0,12	0	PASSO VALLES (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		2	11:06:11.14	20	245				121						-0,07			1,2		

27/07/2016	15:16:50,73	46,1336	11,1891	4,95	1,3		0	0	0,4	90	0	0,4	C	0,09	2	ALBIANO (TN)			EXPL? 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
PANI	i	c	1	15:16:53.37	14,6	129				109						0,02			1,3	
GAGG	i	c	1	15:16:53.89	18,7	253				105						-0,14			1,2	
DOSS	i	c	2	15:16:55.59	28,2	180				100						-0,03			1,4	
ZIAN	e	c	1	15:16:56.43	32,9	61				99						0,01			1,2	
VARA	e		2	15:16:57.90	41	214				97						0,11			2	
RONC	e		2	15:16:59.03	47	249				96						0,22			1,2	

27/07/2016	20:54:18,70	45,8984	11,9230	10,58	1,3		0	0	0,6	90	0	0,6	C	0,15	0	CAVASO D. TOMBA (TV)	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
PANI	e	d	1	20:54:27.38	48,6	290	33,44	2	102							0,18		-0,4	1,3	
ZIAN	e		1	20:54:27.77	50,4	326	34,22	3	102							0,27		-0,14	1,3	
DOSS	e		2	20:54:28.58	57	268			101							-0,03			1,3	
GAGG	e	c	2	20:54:32.07	77,5	285			98							0			1,4	
VARA	i	c	2	20:54:32.61	80,1	264			98							0,1			0	
OZOL	e		2	20:54:33.90	87,6	310			97							0,11			1,4	

QUATERLY BULLETTIN July-September 2016

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				

27/07/2016	21:17:43,19	,	,											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
RONC	i	c	1	21:17:43.19			52,21	1							90					
VARA			2	21:17:44.10			53,93	2							91					
GAGG			3	21:17:46.68			58,66	3							90					
DOSS			3	21:17:47.07			59,14	3							90					

28/07/2016	05:15:39,83	46,4610	12,1281	8,72	1,6			0	0	0,5	90	0	0,5	B	0,13	0	MONTE PELMO (BL)		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		2	05:15:48.19	48,1	245			100							0,01			1,5	
PANI	e		2	05:15:52.93	76,3	233			97							-0,02			1,7	
OZOL	e		2	05:15:54.13	83	266			96							0,04			2,2	
DOSS	e		2	05:15:56.57	97,1	228			95							0,07			1,7	

28/07/2016	15:50:51,19	46,1333	11,1806	6,09	1,2			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	1	15:50:53.97	15	128			112							0			1,2	
GAGG	i	c	2	15:50:54.42	18	252			109							-0,03			1,2	
DOSS	e		2	15:50:56.09	28,2	179			102							-0,03			1,1	

29/07/2016	03:23:16,89	45,8446	10,2555	11,02	1			0	0	0,8	90	0	0,8	C	0,14	0	SACCA (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
RONC	i	c	1	03:23:22.84	32,3	62	27,29	2	109							0,12		0,02	1,3	
GAGG	e		2	03:23:27.55	60,6	64	35,68	2	100							0,12		0,04	1	

29/07/2016	06:17:25,77	,	,													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	i	d	2	06:17:25.77			37,21	2							124					
CARE	i	d	2	06:17:26.82			38,57	2							124					
ZIAN			3	06:17:28.23											123					
PANI			3	06:17:32.02			48,97	3							122					
GAGG	i	d	2	06:17:32.09			48,38	3							122					
DOSS			3	06:17:34.94			53,79	3							122					

29/07/2016	11:52:54,65	,	,													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	11:52:54.65			55,51	1							32					

29/07/2016	15:18:40,78	46,1356	11,1828	2,45	1			0	0	0,2	90	0	0,2	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	15:18:43.38	15,1	129			99							-0,01			0,9	
GAGG	i	c	1	15:18:43.93	18,3	251			98							0			0,9	
DOSS	e	c	1	15:18:45.61	28,4	179			95							-0,05			1	
ZIAN	e		2	15:18:46.53	33,3	62			94							0,05			1	
VARA	e		2	15:18:47.90	41	213			93							0,11			1,3	
CARE	e		2	15:18:49.20	49,3	311			93							-0,02			0	

QUATERLY BULLETTIN *July-September 2016*

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			

30/07/2016	05:22:27,83	46,0518	10,5745	2,98	0,8		0	0	0,2	90	0	0,2	B	0,04	0	SELLA GIUDICAR. (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
RONC	e	d	2	05:22:29.43	8,7	155	30,62	2	109							0,02		-0,02	1	
GAGG	e		2	05:22:32.96	29,9	83	36,92	2	96							-0,01		-0,06	0,6	

30/07/2016	05:54:22,92	,	,											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	05:54:22.92			24,72	1							44					
OZOL			1	05:54:23.00			25,09	2							43					

30/07/2016	10:38:04,73	46,5153	10,4681	10,24	1,1		0	0	1	90	0	1	B	0,25	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	10:38:08.99	20,3	120	11,66	2	117							0,37		0,01	0		
OZOL	e		2	10:38:12.93	46,5	106	18,86	3	102							0,06		-0,37	1,1		

30/07/2016	14:59:33,84	46,0493	10,6595	7,24	1,1		0	0	0,7	90	0	0,7	B	0,18	0	TIONE (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
RONC	i	c	1	14:59:35.78	8,1	200	37,31	2	132							0,08		0,15	0,6	
GAGG	i	c	2	14:59:38.03	23,5	81	41,65	2	107							-0,01		0,34	0,9	
VARA	e		2	14:59:39.02	30,9	143	43,66	2	103							-0,25		0,16	1	
CARE	e		1	14:59:41.28	41,8	4	46,57	2	100							0,18		-0,18	1,8	
DOSS	e		2	14:59:41.60	45,1	115	47,97	3	99							-0,06		0,22	1	

30/07/2016	20:22:19,47	,	,											10	TORINO				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		
RONC	e	c	1	20:22:19.47			51,05	3							232							
VARA			2	20:22:21.27			56,2	3							234							
GAGG			2	20:22:23.62			56,56	3							231							
DOSS			2	20:22:23.77			59,75	3							232							
CARE			2	20:22:24.33			57,29	3							230							
PANI			2	20:22:25.99			62,95	3							231							
OZOL			3	20:22:27.75			65,73	3							231							
ZIAN			2	20:22:29.73			69,02	3							234							

30/07/2016	20:40:23,31	,	,											10	ITALIA-AUSTRIA			DOUBLE EV. 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
OZOL	e	c	1	20:40:23.31			37,07	1												
ZIAN	e	c	2	20:40:23.58			37,33	2												
CARE	i	c	1	20:40:25.10			40,43	2												
PANI			2	20:40:27.86			45,22	2												
GAGG			2	20:40:28.66			46,76	2												
DOSS			2	20:40:31.26			50,83	1												
RONC	e	c	2	20:40:32.42			52,83	2												
VARA	e	c	2	20:40:33.33			55,31	2												

QUATERLY BULLETTIN *July-September 2016*

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			

31/07/2016	14:40:28,38	,	,											0	RONC,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
RONC	i	c	1	14:40:28.38			29,82	1							33					
GAGG			2	14:40:30.65			34,16	2							34					

31/07/2016	16:51:42,33	,	,											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	d	0	16:51:42.33			43,93	1							37					
OZOL	i	d	1	16:51:43.49			46,26	2							38					

01/08/2016	06:02:58,62	45,6336	11,0166	10,79	0,8			0	0	1,1	90	0	1,1	C	0,25	0	BOSCOCHIESAN. (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	06:03:03.12	23,3	336	6,7	2	115							0,11		0,26	0,8	
DOSS	e		2	06:03:04.53	30,5	26	8,35	2	109							0,38		-0,11	0,9	

01/08/2016	10:02:39,75	46,1390	11,1825	2,18	1,4			0	0	0,3	90	0	0,3	C	0,07	2	ALBIANO (TN)		EXPL? 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
PANI	i	c	2	10:02:42.41	15,3	130				98						0,02			1,6	
GAGG	i	c	2	10:02:42.90	18,4	250				97						-0,01			1,3	
DOSS	i	c	2	10:02:44.63	28,8	179				94						-0,05			1,3	
OZOL	e		2	10:02:45.07	31,1	341				94						0			1,4	
ZIAN	e		1	10:02:45.35	33,1	63				94						-0,07			1,2	
CARE	e	c	2	10:02:48.08	49	310				93						-0,06			2,1	

01/08/2016	16:54:52,09	,	,											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	1	16:54:52.09			53,24	1							28					

01/08/2016	22:35:09,89	45,8371	10,9761	12,24	0,4			0	0	1,1	90	0	1,1	C	0,13	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	e		1	22:35:12.42	6,3	259	14,11	2	153							0,17		0,03	0,4	

01/08/2016	23:09:59,28	45,6891	10,8828	5,12	1			0	0	0,7	90	0	0,7	C	0,21	0	MONTE BALDO (VR)		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		2	23:10:01.46	15,3	4	4,04	2	109							-0,56		-0,13	0,7	
DOSS	e		2	23:10:04.55	31,9	48	9,2	2	99							-0,25		0,1	1	
RONC	e		2	23:10:06.07	38,2	328	11,32	3	98							0,2		0,32	1,1	

02/08/2016	08:48:10,73	45,9513	11,1240	13,69	0,9			0	0	0,3	90	0	0,3	B	0,09	0	BESENELLO (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	08:48:13.74	9,4	148	15,85	2	146							0,18		0,07	0,8	
GAGG	i	d	2	08:48:14.88	19,5	319	17,88	2	125							0,08		-0,1	0	
PANI	e		2	08:48:14.91	19,7	56	17,93	2	125							0,08		-0,1	1	
VARA	e		2	08:48:15.31	22,5	232	18,69	2	121							0,08		-0,05	0,9	
ZIAN	e		2	08:48:19.48	49,6	43			105							-0,04			1,1	

QUATERLY BULLETTIN *July-September 2016*

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			

02/08/2016	15:24:02,67	46,1341	11,1884	4,88	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	1	15:24:05.34	14,6	129				108						0,04			1,1	
GAGG	e	c	2	15:24:05.88	18,6	252				105						-0,08			0,9	
DOSS	e		2	15:24:07.58	28,3	180				100						0,01			1	
ZIAN	e		2	15:24:08.31	32,9	61				98						-0,05			1	

03/08/2016	16:33:59,64	46,7053	10,8678	3,22	1		0	0	0,6	90	0	0,6	C	0,15	0	SENALES (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	16:34:05.50	33,8	203	9,74	2	95							0,05		-0,24	0		

03/08/2016	22:38:25,62	45,7800	11,0461	10,81	0,5		0	0	0,6	90	0	0,6	B	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	22:38:28.60	12,7	294	30,71	2	130							0,13		0,02	0		
DOSS	e		2	22:38:28.99	15,7	45	31,5	2	125							0,12		0,08	0,5		

04/08/2016	03:53:39,70	46,0138	10,7330	8,42	1,1		0	0	0,5	90	0	0,5	B	0,16	0	BOLBENO (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	
RONC	e		1	03:53:41.91	9,3	247	43,68	2	132							0,06		0,16	1		
GAGG	i	c	1	03:53:43.24	19,1	66	46,23	2	114							-0,03		0,18	0,8		
VARA	e		2	03:53:43.97	24,4	149	47,95	3	109							-0,15		0,38	1,2		
DOSS	e		2	03:53:46.32	38,3	113	51,62	2	102							-0,09		-0,03	0,9		
CARE	e		2	03:53:47.84	45,7	357	53,71	2	100							0,19		-0,14	1,9		

04/08/2016	10:07:27,40	46,1378	11,1860	5,09	1,2		0	0	0,4	90	0	0,4	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	i	c	1	10:07:30.11	15	130				109						-0,01			1,2	
GAGG	i	c	2	10:07:30.62	18,6	251				105						-0,08			1,2	
DOSS	i	c	2	10:07:32.34	28,7	180				100						-0,04			1,2	
ZIAN	i	c	1	10:07:33.08	32,9	62				99						-0,02			1,1	
VARA	e		2	10:07:34.67	41,3	213				97						0,15			1,4	
RONC	e		2	10:07:35.76	46,9	248				96						0,28			1,2	
CARE	e		2	10:07:35.80	49,3	310				96						-0,08			0	

04/08/2016	10:16:59,17	46,1831	11,1970	12,15	0,8		0	0	0,8	90	0	0,8	C	0,1	2	CEMBRA LISIGN. (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		2	10:17:03.47	21,5	239				119						0,08			0,7	
OZOL	e		2	10:17:04.11	26,9	335				114						-0,11			0,9	
ZIAN	e		2	10:17:04.81	30,1	70				112						0,09			1	
DOSS	e		2	10:17:05.31	33,7	181				110						0,01			0,9	

04/08/2016	13:08:24,08	46,3708	11,8046	9,74	1,2		0	0	0,8	90	0	0,8	C	0,16	0	MOENA (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		2	13:08:27.90	21,4	241	31,21	3	115							-0,19		-0,01	1,3	

QUATERLY BULLETTIN July-September 2016

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			

04/08/2016	14:14:28,71	45,9785	10,1810	11,19	1,5		0	0	0,8	90	0	0,8	C	0,16	0	VILMIN. SCLAVE (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
RONC	e		2	14:14:34.86	34,2	90	39,49	3	108							-0,01		-0,18	1,5	

04/08/2016	14:53:19,34	46,1348	11,2220	2,42	0,9		0	0	0,3	90	0	0,3	C	0,02	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	2	14:53:21.56	12,8	137				101						0			1,1	
GAGG	e		2	14:53:22.96	21,1	254				97						-0,02			0,7	
DOSS	e	c	2	14:53:24.24	28,4	185				95						0,02			0,9	
ZIAN	e		2	14:53:24.61	30,7	59				95						0,01			1	

04/08/2016	14:58:05,72	46,1325	11,1816	4,63	1,2		0	0	0,3	90	0	0,3	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	2	14:58:08.38	14,9	127			107							-0,01			1,3	
GAGG	i	c	2	14:58:08.92	18,1	252			104							0,01			1	
DOSS	e	c	1	14:58:10.59	28,1	179			99							0,01			1,1	
OZOL	e		2	14:58:11.17	31,7	342			98							-0,03			1,1	
ZIAN	e		2	14:58:11.44	33,5	61			98							-0,06			1,2	
VARA	e		2	14:58:12.65	40,6	213			96							-0,06			1,4	
CARE	e		2	14:58:14.21	49,5	311			95							0			1,9	

04/08/2016	15:37:07,70	46,1401	11,1845	5,88	1,4		0	0	0,3	90	0	0,3	C	0,08	2	ALBIANO (TN)			EXPL? 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	c	1	15:37:10.47	15,3	131			111							-0,03			1,6	
GAGG	i	c	2	15:37:10.95	18,6	250			108							-0,08			1,6	
DOSS	i	c	2	15:37:12.70	28,9	179			101							-0,04			1,4	
OZOL	e		2	15:37:13.15	31	341			101							0,06			1,5	
ZIAN	e	c	2	15:37:13.41	32,9	63			100							0			1,3	
VARA	e	c	2	15:37:15.01	41,4	213			98							0,16			1,4	
CARE	e		2	15:37:16.10	49,1	310			97							-0,05			1,9	

04/08/2016	16:27:19,67	46,1268	11,1813	3,33	0,9		0	0	0	90	0	0	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	c	2	16:27:22.24	14,6	125				103						0,02			1	
GAGG	e	c	2	16:27:22.75	17,9	254				101						-0,03			0,9	
DOSS	e		2	16:27:24.36	27,4	179				97						-0,04			1	

04/08/2016	18:04:49,40	,	,											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	18:04:49.40			50,24	1							33					

05/08/2016	10:03:40,36	46,1386	11,2125		4,29	0,7		0	0	0	90	0	0	C		0	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	10:03:42.81	13,6	136				108						0				0,6	
DOSS	e		2	10:03:45.35	28,8	184				98						0				0,8	
ZIAN	e		2	10:03:45.74	31,1	61				98						0				0,8	

QUATERLY BULLETTIN July-September 2016

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			

05/08/2016	11:51:43,18	45,8076	11,8930	9,46	1,2		0	0	1,7	90	0	1,7	C	0,15	0	ASOLO (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	
PANI	e		2	11:51:52.02	51	302				101						-0,03			1,4		
DOSS	e		2	11:51:53.06	55,3	278				100						0,28			1,2		

06/08/2016	07:45:11,27	,	,											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			2	07:45:11.27			14,92	2							30					

06/08/2016	20:04:16,47	,	,											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	20:04:16.47			17,38	1							28					

07/08/2016	12:16:34,82	45,6325	10,5428	14,53	1,2		0	0	0,8	90	0	0,8	B	0,09	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
ZIAN	e		2	12:16:52.87	106,7	48				59						-0,2			0	

07/08/2016	19:37:54,54	45,6185	10,6043	11,32	1,4		0	0	0,5	90	0	0,5	B	0,1	0	TOSCOLANO MAD. (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	
RONC	e		2	19:38:01.63	40,3	2	7,49	2	106							-0,07		0,21	1,2		
ZIAN	e		2	19:38:12.22	104,3	45				96						-0,25			1,7		

08/08/2016	02:20:02.52	45,6225	11,1126	8,3	1,1		0	0	0,7	90	0	0,7	C	0,16	0	SELVO DI PROGNO (VR)				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	2	02:20:07.92	29,2	12	11,89	2	106							0,21		0,13	1,3		
PANI	e		2	02:20:11.44	50,6	20			99							0,15			0		
ZIAN	e		2	02:20:16.37	80,6	26			96							0			1,6		

08/08/2016	21:11:23,94	45,8321	10,9963	15,74	0,7		0	0	0,7	90	0	0,7	B	0,17	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	e	c	1	21:11:27.08	7,8	265	29,52	2	154							0,14		0,24	0		
DOSS	i	c	1	21:11:27.96	15,9	70	30,68	2	135							0,2		-0,06	0		
GAGG	e		1	21:11:29.48	28,1	354	33,52	2	119							0,03		-0,22	1		

09/08/2016	10:19:29,03	46,1406	11,1830	4,65	1		0	0	0,1	90	0	0,1	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	10:19:31.78	15,4	130				107						0			1,1	
GAGG	e		2	10:19:32.28	18,5	250				104						0			1	
DOSS	e		2	10:19:34.04	29	179				99						-0,01			1,1	
ZIAN	e	c	1	10:19:34.72	33	63				98						0			1	

09/08/2016	17:59:45,74	,	,											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	17:59:45.74			46,17	1							22					

QUATERLY BULLETTIN *July-September 2016*

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				

10/08/2016	01:33:44.55	,	,											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	01:33:44.55			45,52	1							26					

10/08/2016	02:16:10.72	,	,											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	e	d	1	02:16:10.72			11,11	2							27					

10/08/2016	02:38:23,69	,	,											10	VILLA SANTINA (UD)	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
ZIAN	i	c	1	02:38:23.69			37,7	2							163					
PANI	e	c	2	02:38:27.58			45,21	2							163					
OZOL	e	c	2	02:38:29.94			50,13	2							161					
DOSS			2	02:38:30.61			48,98	2							160					
GAGG	e	c	2	02:38:31.93			51,31	2							160					
VARA	e	c	2	02:38:33.84			54,5	2							161					
CARE	e	c	1	02:38:34.35			55,53	1							160					
RONC			2	02:38:35.84			58,77	2							161					

10/08/2016	04:53:06,33	,	,											10	VILLA SANTINA (UD)	M 3.3(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
ZIAN	e	c	1	04:53:06.33			20,65	3							190					
PANI	e	c	1	04:53:10.20			27,71	2							188					
OZOL	e	c	1	04:53:12.59			33,13	2							188					
DOSS	e	c	2	04:53:12.67			31,75	1							185					
GAGG	e	c	1	04:53:14.69			34,54	2							186					
VARA	e	c	1	04:53:16.05			37,96	2							187					
CARE	i	c	1	04:53:17.04			37,98	2							183					
RONC	e	c	1	04:53:18.28			41,49	1							187					

10/08/2016	16:23:56,43	,	,												10	MODENA	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	16:23:56.43			77,85	3							134					
VARA			2	16:23:56.95			76,81	3							136					
RONC			3	16:24:00.13			24,12	3							134					
GAGG			3	16:24:01.16			23,71	3							134					

10/08/2016	16:46:59,13	,	,											10	MODENA			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	16:46:59.13			81,53	3							134					
VARA			2	16:47:00.00			20,42	3							135					
RONC	e	c	2	16:47:03.33			26,63	3							134					
PANI			3	16:47:03.74			26,42	3							134					
GAGG			3	16:47:03.96			26,85	3							134					

QUATERLY BULLETTIN *July-September 2016*

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				

10/08/2016	18:33:42.81	,	,												10	MODENA			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		18:33:42.81			65,21	3							128					
VARA		3		18:33:43.98			63,91	3							126					
PANI		3		18:33:47.54			70,3	3							126					
RONC		3		18:33:47.65			70,43	3							125					
GAGG		3		18:33:48.19			70,88	3							126					

10/08/2016	22:19:12,99	,	,											10	MODENA				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		22:19:12.99			34,59	3							121							
VARA		2		22:19:13.21			33,1	3							116							
RONC		3		22:19:16.70			40,6	3							119							
GAGG		3		22:19:17.59			40,14	3							121							

11/08/2016	08:34:59,50	,	,											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		08:34:59.50			61,54	1							31					

11/08/2016	23:43:38,01	46,6929	10,6406	7,23	1,4		0	0	0,5	90	0	0,5	B	0,21	0	MAZIA (BZ)				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			
CARE	i	c	2	23:43:43.19	30,2	172	46,92	2	103							-0,12		-0,53	0				
OZOL	e		2	23:43:45.94	45,1	136	52,08	2	99							0,13		0,18	1,1				
GAGG	e		2	23:43:50.63	72	160			96							0,25			1,4				
RONC	e		2	23:43:51.35	79,2	181			95							-0,25			1,6				
ZIAN	e		2	23:43:52.60	84,6	123			95							0,07			1,5				
PANI	e		2	23:43:53.68	89,2	143			95							0,38			1,7				
DOSS	e		2	23:43:55.02	99,8	155			94							-0,09			1,5				

12/08/2016	12:04:17,07	46,2643	11,6625	23,93	0,8		0	0	1,8	90	0	1,8	C	0,08	0	PREDAZZO (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		2	12:04:21.20	7,8	280	24,75	3	159							-0,13		0,11	0,4		
OZOL	e		2	12:04:26.30	49,5	288			98							0,01			1,1		

12/08/2016	14:34:03,34	45,8020	11,1084	13,18	1,4		0	0	0,4	90	0	0,4	A	0,15	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	i	c	1	14:34:06.46	10,7	36	8,64	2	141							0,22		0,14	1,5	
VARA	e		2	14:34:07.19	16,7	279	9,86	2	128							0,21		0,05	1,1	
PANI	e	c	2	14:34:09.50	32,8	32	13,62	2	112							0,12		-0,46	1,2	
GAGG	i	d	1	14:34:09.59	33,4	340	14,24	2	112							0,11		-0,02	1,3	
ZIAN	e		2	14:34:14.43	63,4	34			102							0,02			1,3	
CARE	e		2	14:34:16.62	76,1	335			100							0,07			2	

12/08/2016	22:13:43,53	45,7288	10,7966		8,32	0,5		0	0	0,7	90	0	0,7	B	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		1	22:13:46.13	13,3	36	48,49	2	122							-0,08		0,19	0,6		
RONC	e		2	22:13:49.24	31,1	334	53,39	2	105							0,21		0,07	0,8		

QUATERLY BULLETTIN *July-September 2016*

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				

14/08/2016	09:16:28,39	,	,											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	09:16:28.39			29,27	1							29					

14/08/2016	17:28:45.46	,	,											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	1	17:28:45.46			46,92	2							27					

14/08/2016	23:31:15.66	,	,											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	1	23:31:15.66			16,9	1							28					

15/08/2016	00:59:14,48	,	,											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	00:59:14.48			15,57	2							28					

16/08/2016	00:38:27,26	,	,											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	00:38:27.26			28,38	1							32					

16/08/2016	10:47:29,50	46,4371	10,8901	9,23	1,3		0	0	0,5	90	0	0,5	B	0,17	0	BRESIMO (TN)				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	
OZOL	i	c	1	10:47:32.36	13	107	34,28	2	125							0,14		-0,06	1,7		
CARE	i	c	1	10:47:32.69	14,9	265	34,81	2	122							0,2		-0,02	1,4		
GAGG	e		2	10:47:36.68	39,7	172	41,71	2	103							0,22		-0,18	1,5		
RONC	e		2	10:47:38.65	54,8	202			100							-0,34			1,3		
ZIAN	e	c	2	10:47:39.20	54,8	109			100							0,2			1,5		

16/08/2016	11:40:14,92	,	,											10	PERUGIA				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	e	c	2	11:40:14.92			44,93	3							157							
VARA	i	c	1	11:40:15.38			45,04	2							163							
PANI			2	11:40:16.61			47,3	2							162							
GAGG			2	11:40:18.45			51,14	3							161							
ZIAN	e	c	1	11:40:19.08			51,34	2							160							
OZOL	e	c	2	11:40:23.08			58,48	3							160							
CARE			3	11:40:25.15			61,43	3							158							

QUATERLY BULLETTIN July-September 2016

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				

16/08/2016	18:45:06,18	45,8166	11,2828	11,33	2		0	0	0,5	90	0	0,5	B	0,21	0	POSINA (VI)			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
DOSS	e	c	1	18:45:09.02	10,2	314	10,92	2	138							0,24		0,11	2,4	
PANI	i	d	1	18:45:11.35	26,3	9	14,93	2	113							0,26		0,02	1,6	
VARA	i	c	1	18:45:11.84	30	272	15,72	2	111							0,17		-0,23	1,6	
GAGG	e		2	18:45:13.27	38,9	320	18,42	3	106							0,16		-0,09	2,5	
RONC	e	c	2	18:45:15.60	54,4	290			102							-0,08			1,8	
ZIAN	i	d	1	18:45:16.06	55,5	23			102							0,19			2,3	
CARE	e		2	18:45:20.06	81,3	326			98							-0,16			0	

16/08/2016	20:22:20,46	,	,											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	20:22:20.46			21,99	1							29					

18/08/2016	08:02:17,48	45,9693	10,9125	13,34	1,8		0	0	0,4	90	0	0,4	B	0,19	0	DRO (TN)				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	
GAGG	i	d	0	08:02:20.82	13,2	16	23,1	2	135							0,13		-0,09	2,2		
VARA	e		2	08:02:21.32	16	184	24,17	2	130							0,28		0,35	1,7		
RONC	i	c	1	08:02:22.10	22,5	273	25,13	2	121							0,15		-0,31	2,1		
DOSS	i	d	1	08:02:22.23	23,6	115	25,37	2	119							0,11		-0,37	2,2		
PANI	i	c	1	08:02:23.80	33,9	75	28,28	2	111							0,08		-0,3	1,9		
OZOL	e		2	08:02:26.22	49,4	13	32,76	2	105							-0,01		-0,3	2,1		
CARE	i	d	1	08:02:27.07	53,2	342			104							0,21			0		
ZIAN	i	c	1	08:02:28.16	60,8	56			102							0,04			1,9		

18/08/2016	11:42:24,99	,	,											0	RONC					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RONC	e	d	1	11:42:24.99			25,98	1							25					

19/08/2016	21:57:08,75	,	,											4			FRANA ?!			
st_name	p_rem	m	w_p	time_s	dist	azm	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	21:57:08.75																
OZOL			3	21:57:15.74																
PANI			3	21:57:16.52																
DOSS			3	21:57:18.28																
GAGG			3	21:57:19.71																
CARE			3	21:57:21.03																
VARA			3	21:57:21.79																
RONC			3	21:57:23.34																

19/08/2016	22:00:57,00	45,7133	10,7766	6,88	0,4		0	0	0,3	90	0	0,3	B	0,04	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	22:00:59.90	15,6	37	62,17	2	114							-0,02		-0,02	0,9		

20/08/2016	02:19:19,12	46,1523	12,3606	10,09	1,3		0	0	0,5	90	0	0,5	B	0,15	0	PUOS D'ALPAGO (BL)				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		2	02:19:29.96	63,1	283				99						-0,08			1,2		

QUATERLY BULLETTIN *July-September 2016*

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				

20/08/2016	03:08:10,90	45,8141	11,0264	11,55	1,2		0	0	0,3	90	0	0,3	A	0,14	0	ALA (TN)			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
VARA	e	c	2	03:08:13.75	10,2	277	15,72	2	139							0,21		0,13	0,7	
DOSS	i	c	1	03:08:14.27	14,6	60	16,49	2	128							0,19		-0,08	1,4	
GAGG	e		2	03:08:16.53	30,4	350	20,55	2	111							0,07		-0,25	1,3	
PANI	i	d	1	03:08:17.40	35,6	42	22,28	2	108							0,11		0	1,1	
RONC	e		2	03:08:17.53	36,4	301			108							0,1			0,9	
ZIAN	i	c	2	03:08:22.36	66,1	39			100							-0,01			1,4	

20/08/2016	05:12:51,50	,	,											0	VARA,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
VARA	e	c	1	05:12:51.50			53,57	1							40					
DOSS	i	c	1	05:12:52.70			55,42	1							40					
GAGG			3	05:12:54.58			59,05	2							41					

20/08/2016	14:53:09,11	45,7163	10,7786	6,96	1		0	0	0,5	90	0	0,5	B	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	c	1	14:53:11.91	15,3	37	14,23	2	115							-0,06		0,02	0,9		
RONC	e	c	1	14:53:14.63	31,8	338	19,14	2	102							-0,04		0,13	1,1		
DOSS	e		2	14:53:15.58	36,7	60	20,34	3	101							0,09		-0,14	1,1		

20/08/2016	19:31:24,30	,	,											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	d	2	19:31:24.30			27,13	2							36					
DOSS			2	19:31:26.59			29,24	2							35					

21/08/2016	06:30:57,90	,	,											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	06:30:57.90			58,81	1							28					

22/08/2016	06:50:09,18	,	,											10	RAVENNA				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	06:50:09.18			33,57	3							129							
VARA			2	06:50:09.42			35,07	3							132							
GAGG			3	06:50:12.84			40,54	3							131							
ZIAN			3	06:50:14.62											133							
RONC			3	06:50:14.91			42,4	3							131							
OZOL			3	06:50:18.20			45,95	3							130							
CARE			3	06:50:18.68											128							

22/08/2016	07:01:43,90	45,8691	10,7511	11,33	0,5		0	0	0,3	90	0	0,3	B	0,08	0	LEDRO (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	07:01:46.81	12,3	113	48,98	2	133							0,05		0	0		
RONC	e		2	07:01:47.21	15,9	321	49,8	2	125							-0,03		-0,05	0,6		

QUATERLY BULLETTIN July-September 2016

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			

22/08/2016	10:01:06,25	46,1398	11,1846	1,32	1,3		0	0	0,4	90	0	0,4	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	e		2	10:01:08.84	15,3	130				95						-0,03			1,3	
GAGG	e	c	2	10:01:09.39	18,6	250				94						-0,04			1	
DOSS	e		2	10:01:11.14	28,9	179				93						-0,05			1,2	
ZIAN	e		2	10:01:11.87	32,9	63				92						-0,01			1,1	
RONC	e		2	10:01:14.44	46,9	248				92						0,16			1,1	
CARE	e		2	10:01:14.61	49,1	310				92						-0,04			1,8	

22/08/2016	20:49:46,01	45,8378	11,0068	11,83	0,3		0	0	0,1	90	0	0,1	C	0,01	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	
VARA	i	c	1	20:49:48.50	8,7	261	50,49	2	144							-0,01		0,02	0,4		
DOSS	e		2	20:49:49.27	14,9	72	51,78	2	128							0,01		-0,01	0,3		

22/08/2016	23:37:51,39	45,8821	12,0173	9,96	1		0	0	1,2	90	0	1,2	C	0,13	0	VALDOBBIADENE (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	
ZIAN	e		2	23:38:01.09	56,2	321				100						-0,05			1,4		
DOSS	e		2	23:38:02.71	64,3	270				99						0,2			1,1		

23/08/2016	11:42:33,78	,	,											10	PARMA	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	11:42:33.78			56,26	3							137					
RONC			3	11:42:35.64			58,07	3							136					
DOSS			3	11:42:36.05			60,48	3							135					
GAGG			3	11:42:37.21			59,69	3							136					
PANI			2	11:42:38.73			65,8	3							136					

24/08/2016	01:37:28,65	,	,											10	RIETI				M 6.0(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		
DOSS	e	c	1	01:37:28.65			71,61	2							702							
VARA	i	c	1	01:37:29.22			71,78	2							713							
PANI	e	c	1	01:37:30.31			73,54	2							709							
RONC	e	c	1	01:37:31.97			78,38	2							708							
GAGG	e	c	1	01:37:32.22			79,27	2							704							
ZIAN			2	01:37:32.28			77,22	2							711							
OZOL			2	01:37:35.74			85,13	3							704							
CARE	e	c	1	01:37:38.21			87,33	2							699							

24/08/2016	01:47:07,51	,	,												10	PERUGIA	M 3.7(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			3	01:47:07.51											206					
VARA			3	01:47:07.94			48,9	3							208					
PANI			3	01:47:08.98			50,9	3							205					
GAGG			3	01:47:11.40			55,77	3							205					
ZIAN			3	01:47:11.49			55,33	3							209					
RONC			3	01:47:12.23			56,29	3							207					
OZOL			3	01:47:15.04			63,49	3							205					
CARE			3	01:47:17.22			66,29	3							203					

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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				

24/08/2016	01:56:57,90	,	,											10	RIETI	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
DOSS			3	01:56:57.90											299					
VARA	e	d	2	01:56:58.81			102,2	3							301					
PANI	i	d	2	01:56:59.71			104,1	3							302					
RONC	e	d	2	01:57:01.83			50,78	3							301					
ZIAN			2	01:57:01.86			49,4	3							299					
GAGG			2	01:57:01.89			48,17	3							300					
OZOL	e	d	2	01:57:05.46			55,47	3							301					
CARE			3	01:57:07.47			57,55	3							295					

24/08/2016	02:02:04.23	,	,												10	ASCOLI PICENO			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
VARA			3	02:02:04.23			45,98	3												
DOSS			3	02:02:04.57																
PANI			3	02:02:05.47			49,14	3												
ZIAN			2	02:02:07.36			52,39	3												
GAGG			3	02:02:07.91			52,56	3												
RONC			3	02:02:08.09			53,84	3												
OZOL			2	02:02:11.14			61,29	3												
CARE			3	02:02:12.84			62,41	3												

24/08/2016	02:06:53.68		,		,												10	RIETI				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			3	02:06:53.68																					
VARA	i	c	2	02:06:53.96			97,18	3																	
PANI	i	c	2	02:06:55.06			100,5	3																	
RONC			3	02:06:57.12			104,2	3																	
ZIAN	i	c	2	02:06:57.16			102,3	3																	
GAGG			3	02:06:57.31			104,5	3																	
OZOL	i	c	2	02:07:00.80			52,07	3																	
CARE	i	c	2	02:07:03.24			54,9	3																	

24/08/2016	02:08:27,98		,		,											10	RIETI			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			3	02:08:27.98			71,39	3														
PANI			3	02:08:29.96			74,69	3														
GAGG			3	02:08:31.35																		
RONC			3	02:08:31.82			80,32	3														
OZOL			3	02:08:34.93																		
CARE			3	02:08:37.31			88,44	3														

24/08/2016	02:11:48,14													10	RIETI						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			3	02:11:48.14																	
PANI			3	02:11:49.39																	
ZIAN			3	02:11:51.38																	
GAGG			3	02:11:51.72																	
OZOL			3	02:11:54.69			104,7		3												
CARE			3	02:11:57.27																	

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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				

24/08/2016	02:13:07,75	,	,												10	PERUGIA	M 3.5(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		02:13:07.75			47,61	3												
GAGG		3		02:13:10.57																
ZIAN		3		02:13:11.05																
OZOL		3		02:13:14.63			62,39	3												
CARE		3		02:13:17.07			63,67	3												

24/08/2016	02:14:53,33	,	,											10	PERUGIA	M 3.7(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	02:14:53.33			94,2	3												
DOSS			3	02:14:53.37																
PANI			3	02:14:54.47			96,87	3												
ZIAN			3	02:14:56.61																
RONC			3	02:14:56.64			101,7	3												
GAGG			3	02:14:56.74			101,4	3												
OZOL	i	c	2	02:15:00.06			48,2	3												
CARE	i	c	3	02:15:02.62			50,15	3												

24/08/2016	02:20:40,33	,	,											10	RIETI	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		2		02:20:40.33			83	3							204					
VARA		2		02:20:40.37			82,5	3							208					
PANI		3		02:20:41.88			84,85	3							206					
RONC		2		02:20:43.91			90,28	3							207					
ZIAN		2		02:20:44.05			88,4	3							207					
GAGG		2		02:20:44.09			89,64	3							204					
OZOL		2		02:20:47.75			96,85	3							205					
CARE		3		02:20:49.77			98,21	3							202					

24/08/2016	02:31:45,18	,	,											10	PERUGIA	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	02:31:45.18			85,96	3												
DOSS			3	02:31:45.96																
PANI			3	02:31:46.36																
ZIAN			3	02:31:48.27																
GAGG			3	02:31:48.80																
RONC			3	02:31:48.95																
OZOL	i	c	2	02:31:51.71			101,4	3												
CARE			3	02:31:54.84			105,3	3												

24/08/2016	02:33:24,91	,	,												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		02:33:24.91			64,07	3												
PANI		3		02:33:26.52			69,1	3												
RONC		3		02:33:27.74			71,79	3												
ZIAN		3		02:33:28.04																

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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				

24/08/2016	02:34:23,39	,	,											10	PERUGIA	M 5.3(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	i	d	1	02:34:23.39			66,61	3							553					
VARA	i	d	1	02:34:24.20			65	2							556					
PANI	e	d	2	02:34:25.26			67,8	3							555					
GAGG	i	d	1	02:34:27.11											558					
RONC	e	d	2	02:34:27.19			72,5	3							552					
ZIAN	i	d	1	02:34:27.59			70,64	3							554					
OZOL	e	d	1	02:34:31.13			78,95	3							555					
CARE	i	d	2	02:34:33.35			81,05	3							554					

24/08/2016	02:47:03.96	,	,												10	RIETI			DOUBLE EV. 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	
PANI			3	02:47:03.96																	
VARA			3	02:47:07.18																	
DOSS			3	02:47:08.77																	
RONC			3	02:47:11.02																	
GAGG			3	02:47:11.04																	
ZIAN			3	02:47:11.71																	
OZOL			3	02:47:16.20																	
CARE			3	02:47:17.45																	

24/08/2016	02:52:22.09	,	,												10	ASCOLI PICENO	M 3.7(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			3	02:52:22.09																
VARA			3	02:52:23.38			63,21	3												
PANI			3	02:52:23.72			64,26	3												
ZIAN			3	02:52:25.50			71,96	3												
GAGG			3	02:52:25.96																
RONC			3	02:52:26.15			70,93	3												
OZOL	i	c	2	02:52:29.37			77,23	3												
CARE			3	02:52:31.10			79,29	3												

24/08/2016	02:56:37,15	,	,												10	RIETI			M 3.5(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	02:56:37.15																	
VARA			3	02:56:37.25			79,58	3													
PANI			3	02:56:38.49			82,9	3													
ZIAN			3	02:56:40.57			85,22	3													
GAGG			3	02:56:40.65			86,92	3													
RONC			3	02:56:41.00			88,91	3													
OZOL			2	02:56:44.08			95,26	3													
CARE			3	02:56:46.47			97,76	3													

QUATERLY BULLETTIN July-September 2016

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				

24/08/2016	03:00:30,78	,	,											10	PERUGIA	M 4.1(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	03:00:30.78			71,38	3							250					
VARA	e	c	1	03:00:30.93			70,94	3							254					
PANI			2	03:00:31.83			74,2	3							252					
GAGG	e	c	2	03:00:34.01											252					
RONC	e	c	1	03:00:34.10			78,57	3							252					
ZIAN			2	03:00:34.24			77,97	3							254					
OZOL	e	c	2	03:00:37.73			84,89	3							251					
CARE	i	c	2	03:00:40.09			90,56	3							249					

24/08/2016	03:09:07,74	,	,											10	RIETI	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
DOSS			2	03:09:07.74			49,71	3												
VARA			2	03:09:08.21			50,01	2												
PANI			2	03:09:09.53			52,33	3												
GAGG			3	03:09:11.15			55,51	3												
RONC			3	03:09:11.22			57,28	3												
ZIAN			2	03:09:11.25			55,31	2												
OZOL			2	03:09:15.27			63,01	3												
CARE			3	03:09:17.52			66,77	3												

24/08/2016	03:12:45,38	,	,											10	RIETI	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
DOSS			3	03:12:45.38			88,17	3												
VARA			3	03:12:45.53			86,99	3												
PANI			3	03:12:46.48			90,04	3												
RONC			3	03:12:48.45			92,92	3												
GAGG			3	03:12:48.75			94,27	3												
ZIAN			2	03:12:48.93			92,94	3												
OZOL			3	03:12:52.13			100,6	3												
CARE			3	03:12:54.64			103,8	3												

24/08/2016	03:17:25,65	,	,											10	RIETI	M 3.5(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	03:17:25.65																
VARA			3	03:17:25.77			66,55	3												
PANI			3	03:17:27.37			70,46	3												
RONC			3	03:17:29.03			74,99	3												
GAGG			3	03:17:29.24			73,24	3												
ZIAN			3	03:17:29.26			74,22	3												
OZOL			3	03:17:33.01			80,67	3												
CARE			3	03:17:35.05			83,29	3												

QUATERLY BULLETTIN *July-September 2016*

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				

24/08/2016	03:18:55,53	,	,											10	PERUGIA	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
VARA			3	03:18:55.53			95,28	3												
DOSS			3	03:18:56.41																
PANI			3	03:18:56.73			99,44	3												
RONC			3	03:18:58.60			104,9	3												
ZIAN			3	03:18:59.23																
GAGG			3	03:19:00.06																
OZOL	i	d	3	03:19:02.84			50,72	3												
CARE			3	03:19:04.49																

24/08/2016	03:20:01,27	,	,											10	ASCOLI PICENO	M 3.7(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	03:20:01.27			39,98	3												
PANI			3	03:20:02.07			43,69	3												

24/08/2016	03:34:06,72	,	,											10	RIETI	M 3.5(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	04:34:06.72			49,12	3							215					
VARA	e	c	1	04:34:07.00			48,7	2							220					
PANI			3	04:34:08.41			51,48	3							218					
GAGG			2	04:34:10.18			55,52	3							215					
RONC	e	c	1	04:34:10.21			55,32	3							218					
ZIAN			2	04:34:10.62			55,09	3							217					
OZOL			2	04:34:14.44			63,12	3							213					
CARE	e	c	2	04:34:16.10			65,33	3							212					

24/08/2016	03:41:08,12	,	,											10	RIETI				M 4.1(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	e	c	2	03:41:08.12			49,64	3							272							
VARA	i	c	2	03:41:08.79			50	2							277							
PANI	i	c	2	03:41:09.72			52,43	3							274							
ZIAN	e	c	2	03:41:11.45			54,85	3							278							
GAGG			2	03:41:11.61			57,47	3							270							
RONC	i	c	2	03:41:11.67			56,44	3							276							
OZOL			2	03:41:15.44			63,96	3							272							
CARE	i	c	1	03:41:17.66			65,08	3							270							

24/08/2016	03:52:05,21	,	,											10	PERUGIA	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	03:52:05.21			45,59	3												
DOSS			3	03:52:05.22																
PANI			3	03:52:06.62			46,76	3												
ZIAN			3	03:52:08.05																
RONC			3	03:52:08.31			52,58	3												

QUATERLY BULLETTIN *July-September 2016*

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				

24/08/2016	03:53:31,29	,	,											10	RIETI	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	i	c	2	03:53:31.29			73,13	3												
DOSS			3	03:53:31.34																
PANI	i	c	2	03:53:32.55																
ZIAN	i	c	3	03:53:34.47																
GAGG			3	03:53:34.57																
RONC	i	c	2	03:53:34.88			81,28	3												
OZOL	i	c	2	03:53:38.26																
CARE			3	03:53:40.44																

24/08/2016	04:01:46.50		,		,												10	RIETI			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		
DOSS	e	d	3	04:01:46.50																		
VARA			2	04:01:46.96			88,62	3														
PANI	e	d	3	04:01:47.80			89,88	3														
ZIAN	e	d	2	04:01:49.96			93,79	3														
GAGG			2	04:01:50.40			95,4	3														
RONC			3	04:01:50.43			96,12	3														
OZOL			3	04:01:53.75			101,8	3														
CARE	i	d	2	04:01:56.17																		

24/08/2016	04:07:45,77	,	,											10	PERUGIA				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		
DOSS	e	d	2	04:07:45.77			89,22	3							341							
VARA	e	d	1	04:07:47.02			89,34	3							346							
PANI			2	04:07:47.89			92,2	3							344							
GAGG			2	04:07:49.85			95,72	3							340							
ZIAN	e	d	2	04:07:50.18			95,5	3							350							
RONC	e	d	2	04:07:50.40			94,89	3							344							
OZOL			2	04:07:54.07			102,5	3							341							
CARE	e	d	2	04:07:56.44			105,7	3							337							

24/08/2016	04:26:55,97	,	,												10	RIETI			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	04:26:55.97			97,12	3													
VARA			2	04:26:56.02			97,5	3													
PANI			2	04:26:57.29			100,7	3													
RONC			2	04:26:59.21			103,7	3													
ZIAN			2	04:26:59.34			104,2	3													
GAGG			2	04:26:59.37			103,8	3													
OZOL			3	04:27:03.18			51,29	3													
CARE			2	04:27:05.24			53,37	3													

QUATERLY BULLETTIN *July-September 2016*

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			

24/08/2016	04:39:06,52	,	,											10	RIETI	M 3.5(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			2	04:39:06.52			48,81	3							208					
VARA	e	c	2	04:39:06.94			48,21	3							213					
PANI			3	04:39:08.42			51,29	2							212					
GAGG			3	04:39:10.06			54,72	3							210					
RONC	e	c	1	04:39:10.16			55,19	2							211					
ZIAN			2	04:39:10.57			54,49	3							214					
OZOL			2	04:39:14.31			62,81	3							209					
CARE	i	c	3	04:39:16.05			64,78	3							209					

24/08/2016	04:45:34,91	,	,											10	RIETI	M 3.7(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	04:45:34.91			76,13	3							244					
DOSS			3	04:45:34.92			75,91	3							238					
PANI			3	04:45:36.32			78,22	3							241					
RONC			2	04:45:38.05			83,8	3							242					
GAGG			3	04:45:38.15			82,81	3							238					
ZIAN	i	c	2	04:45:38.38			81,46	3							243					
OZOL			2	04:45:41.93			89,44	3							238					
CARE	e	c	2	04:45:44.43			92,08	3							240					

24/08/2016	04:53:40,83	,	,											10	RIETI	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	04:53:40.83			82,67	3												
DOSS			3	04:53:41.25																
PANI			3	04:53:42.00			85,4	3												
ZIAN			3	04:53:44.37			86,95	3												
GAGG			3	04:53:44.64			88,91	3												
RONC			3	04:53:44.85			89,26	3												
OZOL			3	04:53:47.83																
CARE			3	04:53:50.25																

24/08/2016	04:56:17,29	,	,											10	RIETI	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	04:56:17.29			59,43	3												
DOSS			3	04:56:17.34																
PANI			3	04:56:18.46																
GAGG			3	04:56:20.30			67,13	3												
RONC	i	c	2	04:56:20.55			67,37	3												
OZOL			2	04:56:24.45			73,89	3												
CARE			3	04:56:26.50																

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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			

24/08/2016	04:58:31,06	,	,											10	PERUGIA	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	e	c	3	04:58:31.06																
VARA	e	c	2	04:58:31.57																
PANI			3	04:58:33.54			73,93	3												
GAGG			3	04:58:35.06																
RONC			2	04:58:35.25																
ZIAN			3	04:58:35.56																
OZOL			3	04:58:38.75			89,59	3												
CARE			3	04:58:40.76																

24/08/2016	05:03:23,76	,	,											10	L'AQUILA	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			3	05:03:23.76			67,14	3							230					
DOSS			3	05:03:24.02			67,08	3							223					
PANI			2	05:03:25.33			69,96	3							227					
RONC			3	05:03:26.58			74,86	3							229					
GAGG			3	05:03:27.06			73,95	3							224					
ZIAN	i	c	2	05:03:27.46			72,91	3							232					
OZOL	e	c	2	05:03:30.63			79,54	3							224					
CARE			3	05:03:32.46			83,35	3							220					

24/08/2016	05:24:56,49	,	,											10	ASCOLI PICENO				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	05:24:56.49			98,24	3							213							
DOSS			3	05:24:56.57											208							
PANI			3	05:24:57.62			98,89	3							212							
GAGG			3	05:24:59.79			104,7	3							209							
ZIAN			2	05:24:59.79			104	3							211							
RONC			3	05:25:00.21			45,79	2							212							
OZOL			2	05:25:03.38			50,48	3							210							
CARE			3	05:25:05.96			54,01	3							205							

24/08/2016	05:32:28,76	,	,											10	RIETI	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	05:32:28.76			69,1	2							205					
DOSS			3	05:32:28.93			70,02	3							198					
PANI			3	05:32:30.35			72,37	3							203					
RONC			3	05:32:32.08			76,29	3							203					
GAGG			3	05:32:32.11			76,18	3							198					
ZIAN			3	05:32:32.17			76,22	3							206					
OZOL			3	05:32:36.19			83,61	3							200					
CARE			3	05:32:38.69			85,78	3							195					

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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				

24/08/2016	05:37:14,20	,	,												10	PERUGIA	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
DOSS			3	05:37:14.20																
VARA	e	c	2	05:37:14.46			55,24	3												
PANI			3	05:37:15.65			57,58	3												
ZIAN	i	c	2	05:37:17.74			61,83	3												
GAGG			2	05:37:17.81			61,45	3												
RONC			2	05:37:17.90			62,13	3												
OZOL			3	05:37:21.26			68,97	3												
CARE			2	05:37:24.08			70,92	3												

24/08/2016	06:12:31,10	,	,											10	RIETI	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	06:12:31.10			72,11	3							175					
DOSS			3	06:12:31.31			72,9	3							173					
PANI			3	06:12:32.65			75,19	3							174					
RONC			3	06:12:34.21			79,22	3							174					
GAGG			3	06:12:34.39			77,95	3							172					
OZOL			3	06:12:38.52			86,65	3							172					
CARE			3	06:12:40.50			88,34	3							171					

24/08/2016	06:27:55,73	,	,												10	PERUGIA	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
DOSS			3	06:27:55.73											190					
VARA			2	06:27:55.84			96,87	3							195					
PANI			3	06:27:57.32			98,2	3							193					
RONC	e	c	2	06:27:59.12			104	3							194					
GAGG			3	06:27:59.20			104,1	3							190					
ZIAN			3	06:27:59.21											194					
OZOL			3	06:28:03.13			51,32	3							191					
CARE			3	06:28:05.05											189					

24/08/2016	06:55:49,91	,	,											10	PERUGIA	M 3.5(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	06:55:49.91			90,66	3							213					
PANI			3	06:55:51.80			94,23	3							213					
GAGG			3	06:55:53.40			97,15	3							211					
ZIAN			3	06:55:53.56			97,14	3							213					
RONC			3	06:55:54.52											211					
OZOL			2	06:55:56.77			104,3	3							212					
CARE			3	06:55:59.74			107,4	3							208					

24/08/2016	07:07:58,39	,	,											10	RIETI			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	07:07:58.39			99,8	3							178					
DOSS			3	07:07:58.66			99,52	3							172					
PANI			3	07:08:00.04			43,18	3							175					
RONC			3	07:08:01.70			47,89	3							176					
GAGG			3	07:08:01.86			47,39	3							172					
ZIAN			3	07:08:02.72											177					
OZOL			3	07:08:05.84			54,88	3							173					
CARE			3	07:08:07.91											170					

QUATERLY BULLETTIN *July-September 2016*

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				

24/08/2016	07:11:51,58	,	,											10	PERUGIA	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
VARA			2	07:11:51.58			92,53	3							209					
PANI	i	c	2	07:11:52.57			93,45	3							206					
RONC			3	07:11:54.44			98,45	3							207					
ZIAN			3	07:11:54.67			97,9	3							208					
GAGG			3	07:11:54.70			98,07	3							205					
OZOL			3	07:11:58.16			105,3	3							206					
CARE			3	07:12:00.51			48,38	3							204					

24/08/2016	07:24:21,59	,	,											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
DOSS	e	d	2	07:24:21.59			66,1	3												
VARA	e	d	2	07:24:24.59			64,8	3												
PANI	i	d	2	07:24:25.89			68,07	3												
ZIAN			3	07:24:27.70			71,13	3												
RONC			3	07:24:27.80			73,72	3												
GAGG	i	d	2	07:24:28.10			71,6	3												
OZOL	i	d	2	07:24:31.57			80,2	3												
CARE			3	07:24:33.87			82,58	3												

24/08/2016	07:25:59,75	,	,												10	RIETI	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	07:25:59.79			101,8	3							202					
PANI			3	07:26:01.29			43,48	3							203					
GAGG			3	07:26:02.98											202					
RONC			3	07:26:06.00			49,06	3							200					

24/08/2016	07:53:56,54	,	,												10	PERUGIA	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
VARA			2	07:53:56.54			98,28	3												
DOSS			3	07:53:56.59																
PANI			3	07:53:57.98			99,16	3												
GAGG			3	07:53:59.97			104,6	3												
RONC	e	c	2	07:54:00.09			45,22	3												
ZIAN			3	07:54:00.29			45,3	3												
OZOL			3	07:54:03.68			52,15	3												
CARE			3	07:54:05.99			54,27	3												

24/08/2016	08:40:33,00	,	,												10	TAIPANA (UD)			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	i	d	1	08:40:33.00			50,16	2							110						
PANI	e	d	2	08:40:35.09			53,96	2							105						
DOSS			3	08:40:37.48			57,9	2							104						
OZOL			2	08:40:38.79			60,68	2							104						
GAGG			3	08:40:40.15			61,91	2							104						
VARA			3	08:40:41.88			64,78	3							106						
CARE			3	08:40:42.67			66,98	3							106						
RONC			3	08:40:45.39			69,24	2							103						

QUATERLY BULLETTIN *July-September 2016*

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			

24/08/2016	09:32:38,35	,	,											10	PERUGIA	M 3.7(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		3		09:32:38.35			78,11	3							228					
VARA		2		09:32:38.36			78,77	3							233					
PANI		2		09:32:39.76			81,81	3							233					
ZIAN		3		09:32:41.87			85,69	3							235					
RONC		3		09:32:42.08			86,48	3							233					
GAGG		2		09:32:42.12			86,09	3							229					
OZOL		3		09:32:45.15			92,51	3							230					
CARE		3		09:32:47.93			95,03	3							224					

24/08/2016	10:16:06,74	,	,											10	RIETI	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	10:16:06.74			47,47	3												
DOSS			3	10:16:07.50			48,88	3												
PANI			3	10:16:08.23			51,2	3												
ZIAN	e	c	2	10:16:10.04			54	3												
RONC			3	10:16:10.37			55,55	3												
GAGG			3	10:16:10.61			54,7	3												
OZOL	e	c	2	10:16:13.93			62,27	3												
CARE			3	10:16:16.60			64,35	3												

24/08/2016	10:25:50,67	,	,											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
DOSS	i	c	2	10:25:50.67			95,35	3							192					
VARA			2	10:25:50.97			93,24	2							198					
PANI			3	10:25:52.25			95,6	3							196					
ZIAN			2	10:25:54.33			100	3							197					
GAGG	i	c	2	10:25:54.48			100,5	3							193					
RONC	i	c	2	10:25:54.61			100,4	3							196					
OZOL	i	c	2	10:25:57.99			107,7	3							194					
CARE	i	c	2	10:26:00.56			48,94	3							189					

24/08/2016	10:33:39,87	,	,											10	RIETI	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	i	c	2	10:33:39.87			81,08	2							184					
DOSS			3	10:33:39.97			82,41	3							179					
PANI			3	10:33:41.42			84,57	3							181					
RONC			2	10:33:43.08			88,7	2							183					
GAGG			3	10:33:43.20			89,03	3							180					
ZIAN			3	10:33:44.07			86,93	3							186					
OZOL			3	10:33:47.23			95,78	3							179					
CARE			3	10:33:49.01											174					

QUATERLY BULLETTIN July-September 2016

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				

24/08/2016	11:32:49,48	,	,											10	RIETI	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	e	d	2	11:32:49.48			89,79	3							207					
PANI			3	11:32:50.53											206					
ZIAN	i	d	2	11:32:52.65											206					
GAGG			3	11:32:53.00											203					
RONC			3	11:32:53.08			97,92	3							206					
OZOL	i	d	2	11:32:56.33			104,7	3							202					
CARE	i	d	3	11:32:58.74											200					

24/08/2016	11:51:24,85	,	,											10	PERUGIA				M 4.5(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			2	11:51:24.85																		
VARA	e	c	2	11:51:25.46			65,05	2														
PANI	e	c	2	11:51:26.08			66,57	2														
GAGG	e	c	2	11:51:27.86			73,86	3														
ZIAN	e	c	1	11:51:28.30			70,68	2														
RONC	e	c	2	11:51:28.68			72,7	3														
OZOL	e	c	2	11:51:31.92			79,31	3														
CARE			2	11:51:34.42			83,47	3														

24/08/2016	12:00:54.23	,	,											10	PERUGIA	M 3.5(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	12:00:54.23			95,01	3												
PANI			3	12:00:55.53			97,8	3												
ZIAN			3	12:00:57.34																
RONC			3	12:00:58.23																
GAGG			3	12:00:58.31			103,3	3												
OZOL			2	12:01:01.12																
CARE			3	12:01:04.15																

24/08/2016	12:07:03,76	,	,											10	PERUGIA				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	12:07:03.76			44,56	2							234					
PANI			3	12:07:04.93			45,72	3							231					
ZIAN	i	c	2	12:07:07.13			48,95	3							235					
GAGG			3	12:07:07.48			52,23	3							229					
RONC			3	12:07:07.58			50,93	3							231					
OZOL	e	c	2	12:07:10.57			56,99	3							228					
CARE	e	c	3	12:07:12.80			59,28	3							227					

24/08/2016	12:19:21,66	,	,											10	PERUGIA				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	12:19:21.66			61,89	3							214					
DOSS			3	12:19:22.11											209					
PANI			3	12:19:23.02			63,16	3							212					
ZIAN	i	c	2	12:19:24.86			66,86	3							216					
RONC			3	12:19:25.36			68,59	3							213					
GAGG			2	12:19:25.41			66,95	3							209					
OZOL			2	12:19:28.53			76,28	3							210					
CARE			3	12:19:30.86											208					

QUATERLY BULLETTIN *July-September 2016*

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				

24/08/2016	13:08:20,55	,	,											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	13:08:20.55			61,92	3												
DOSS			3	13:08:21.01																
PANI			3	13:08:22.41			63,56	3												
RONC			3	13:08:24.83			70,27	3												
GAGG			3	13:08:24.88			68,93	3												
OZOL			2	13:08:27.39																
CARE			3	13:08:30.00																

24/08/2016	13:10:18,52	,	,											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	13:10:18.52											176					
VARA	i	c	2	13:10:18.57			58,79	3							178					
PANI			3	13:10:19.86			61,27	3							175					
RONC	i	c	2	13:10:22.05			66,51	3							177					
GAGG			3	13:10:22.12			67,12	3							176					
OZOL			2	13:10:25.44			74,29	3							175					
CARE			3	13:10:27.99											174					

24/08/2016	13:34:11,02	,	,											10	RIETI	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	13:34:11.02			53,23	3							188					
DOSS			3	13:34:11.26			53,92	3							184					
PANI			3	13:34:12.28			56,42	3							185					
RONC			3	13:34:14.83			61,34	3							186					
GAGG			3	13:34:15.43			61,5	3							184					
OZOL			3	13:34:17.94			66,91	3							184					
CARE			3	13:34:20.54			70,76	3							184					

24/08/2016	14:03:16,48	,	,											10	ASCOLI PICENO				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			3	14:03:16.48			58,14	3														
VARA	e	d	1	14:03:16.90			59,26	3														
PANI	e	d	2	14:03:18.31			59,09	3														
RONC			2	14:03:20.37			66,16	3														
GAGG			3	14:03:20.38			65,41	3														
ZIAN			3	14:03:20.44			63,35	3														
OZOL			2	14:03:23.57			69,28	3														
CARE	i	d	3	14:03:25.86			74,2	3														

24/08/2016	14:46:06,76	,	,											10	RIETI				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	e	d	2	14:46:06.76			47,08	2							199							
DOSS			3	14:46:06.80											197							
PANI			2	14:46:08.19			49,44	3							197							
ZIAN	e	d	2	14:46:09.85			53,73	3							199							
GAGG			3	14:46:10.36			54,18	3							195							
RONC			3	14:46:10.45			55,44	3							197							
OZOL	i	d	2	14:46:13.84			62,8	3							194							
CARE			3	14:46:16.17											195							

QUATERLY BULLETTIN *July-September 2016*

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				

24/08/2016	16:35:43,19	,	,											10	RIETI	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	16:35:43.19											193					
VARA	e	d	2	16:35:43.79			84,54	3							198					
PANI	i	d	2	16:35:45.01			87	3							196					
ZIAN	e	d	2	16:35:47.03			91,18	3							199					
GAGG			3	16:35:47.29											194					
RONC	i	d	2	16:35:47.45			92,71	3							197					
OZOL			3	16:35:49.32			98,83	3							195					
CARE			3	16:35:53.30											195					

24/08/2016	17:47:05.23	,	,											10	RIETI				M 4.2(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	e	d	1	17:47:05.23			48,89	3							305							
VARA	e	d	1	17:47:06.06			47,88	2							309							
PANI			2	17:47:07.25			50,03	2							305							
GAGG	e	d	1	17:47:09.30			54,48	2							305							
ZIAN	e	d	1	17:47:09.58			54,71	2							308							
RONC			3	17:47:09.71			55,51	3							306							
OZOL	e	d	1	17:47:13.10			62,52	2							304							
CARE	e	d	2	17:47:15.00			62,78	2							305							

24/08/2016	18:37:03,05	,	,												10	RIETI	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	18:37:03.05			43,91	3												
DOSS			3	18:37:03.47			43,44	3												
PANI			3	18:37:04.98			47,06	3												
ZIAN			2	18:37:06.83			49,78	3												
OZOL			2	18:37:10.62			57,24	3												
CARE			3	18:37:12.59			61,41	3												

24/08/2016	18:43:25,56	,	,											10	PERUGIA				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	18:43:25.56			67,17	3												
DOSS			3	18:43:25.57			68,06	3												
PANI			3	18:43:26.78			68,98	3												
GAGG			3	18:43:28.97			71,73	3												
ZIAN			3	18:43:29.41																
RONC			3	18:43:29.48																
OZOL			3	18:43:32.70			80,38	3												
CARE			3	18:43:34.85																

24/08/2016	20:22:31,67	,	,											10	PERUGIA				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	20:22:31.67			72,35	3							228							
VARA			2	20:22:31.68			72,43	2							236							
PANI	e	d	3	20:22:32.96			75,16	2							233							
RONC			3	20:22:35.23			79,94	3							234							
ZIAN			2	20:22:35.27			79,31	3							236							
GAGG			3	20:22:35.45											229							
OZOL	i	d	2	20:22:38.67			86,47	3							230							
CARE			3	20:22:41.67			89,14	3							228							

QUATERLY BULLETTIN *July-September 2016*

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				

24/08/2016	21:46:40,06	,	,											10	PERUGIA	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		21:46:40.06												197				
VARA		3		21:46:40.16			80,28	3								199				
PANI		3		21:46:41.89			83,09	3								198				
RONC		3		21:46:43.66			87,56	3								198				
ZIAN		3		21:46:43.78			87,19	3								197				
GAGG		3		21:46:43.97			87,92	3								197				
OZOL		3		21:46:47.23			95,3	3								197				
CARE		3		21:46:49.33			96,54	3								195				

24/08/2016	23:23:02,67	,	,											10	RIETI	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		3		23:23:02.67																
VARA		3		23:23:02.75			46,1	3												
PANI		3		23:23:04.17			48,71	3												
RONC		3		23:23:05.90			53,07	3												
GAGG		3		23:23:06.20			51,36	3												
ZIAN		2		23:23:06.37			51,99	3												
OZOL		3		23:23:10.16																
CARE		3		23:23:12.01			61,92	3												

24/08/2016	23:25:52,31	,	,											10	ASCOLI PICENO				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	23:25:52.31			92,95	3							217							
DOSS			3	23:25:52.61			94,59	3							219							
PANI			3	23:25:53.58			95,29	3							214							
ZIAN	i	d	2	23:25:55.58			99,88	3							218							
RONC			3	23:25:55.62			100,2	3							215							
GAGG			3	23:25:55.95			100,7	3							217							
OZOL	e	d	2	23:25:59.16			106	3							215							
CARE			3	23:26:01.77			50,79	3							218							

25/08/2016	03:18:12,27	,	,											10	RIETI	M 4.3(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	e	d	2	03:18:12.27			53,23	2							355					
VARA	e	d	2	03:18:12.50			53,24	2							358					
PANI	i	d	2	03:18:13.86			54,12	2							354					
GAGG			2	03:18:15.62			59,94	3							353					
RONC	e	d	2	03:18:15.95			62,13	3							356					
ZIAN			2	03:18:15.95			57,93	2							358					
OZOL	i	d	1	03:18:19.80			66,75	2							351					
CARE	e	d	2	03:18:22.18			68,44	2							353					

QUATERLY BULLETTIN *July-September 2016*

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				

25/08/2016	04:13:07,95	,	,											10	RIETI	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		04:13:07.95			48,71	3												
VARA		2		04:13:08.29			50,19	2												
PANI		2		04:13:09.68			52,9	3												
GAGG		2		04:13:11.41			55,9	2												
ZIAN		2		04:13:11.57			55,42	2												
RONC		2		04:13:11.99			57,65	2												
OZOL		3		04:13:15.56			63,55	3												
CARE		2		04:13:17.86			66,38	3												

25/08/2016	04:52:37,19	,	,											10	RIETI	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	e	d	2	04:52:37.19																
VARA	e	d	1	04:52:37.93			83,03	3												
PANI	e	d	2	04:52:38.94			85,03	3												
ZIAN	i	d	1	04:52:41.02			88,37	3												
GAGG	e	d	2	04:52:41.06			87,28	3												
RONC	e	d	1	04:52:41.23			90,5	3												
OZOL	e	d	1	04:52:44.76			95,7	3												
CARE	i	d	1	04:52:47.17			98,11	3												

25/08/2016	09:00:35,56	,	,											10	RIETI	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
DOSS			2	09:00:35.56			80,38	3								206				
VARA	i	d	2	09:00:35.57			78,01	2								208				
PANI	e	d	2	09:00:36.77			80,65	3								207				
GAGG			2	09:00:38.85			84,8	3								206				
ZIAN			3	09:00:38.97												208				
RONC	i	d	2	09:00:39.25			85,39	3								207				
OZOL	i	d	2	09:00:42.46			91,22	3								206				
CARE			3	09:00:45.06			95,1	3								204				

25/08/2016	10:10:22,62	46,1845	11,2048	2,91	0,9		0	0	0,6	90	0	0,6	C	0,09	2	CEMBRA LISIGN. (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	10:10:25.78	17,9	146				99						0,05			1	
GAGG	i	c	1	10:10:26.39	22,1	239				97						-0,04			1	
OZOL	e		2	10:10:27.20	27	334				96						-0,07			1	
ZIAN	e		2	10:10:27.68	29,5	70				96						0			0,9	
DOSS	i	c	1	10:10:28.40	33,9	182				95						-0,03			1,1	
RONC	e		2	10:10:31.53	50,4	243				93						0,28			1	

25/08/2016	10:11:15,77	46,1843	11,2015	7,03	0,8		0	0	0,2	90	0	0,2	B	0,03	2	CEMBRA LISIGN. (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	10:11:19.09	18,1	145			111							0			0,7	
GAGG	e	c	2	10:11:19.70	21,9	239			108							0			0,8	
OZOL	e		2	10:11:20.53	26,9	335			105							0			0,9	
ZIAN	e		2	10:11:20.97	29,7	70			103							-0,03			1	
CARE	e		2	10:11:23.93	47,1	305			98							0,01			0	

QUATERLY BULLETTIN *July-September 2016*

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			

25/08/2016	11:21:25,50	45,8548	10,5279	10,92	1,2		0	0	0,7	90	0	0,7	C	0,21	0	STORO (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	
RONC	i	c	1	11:21:28.95	15,8	28	31,23	2	125							0,16		-0,12	1,4		
VARA	i	c	1	11:21:30.66	28,8	96	35,3	2	111							-0,11		0,42	0		
GAGG	i	c	2	11:21:32.81	42	53	38,94	2	105							-0,11		0,24	1,1		
DOSS	e		2	11:21:34.58	51,4	87			102							0,09			1,1		

25/08/2016	12:22:55,77	,	,											10	RIETI	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
DOSS			3	12:22:55.77			97,88	3							194					
VARA	e	c	2	12:22:55.83			97,21	1							195					
PANI	i	c	1	12:22:57.82			100,3	2							193					
GAGG			2	12:22:59.02			104,1	3							193					
RONC	e	c	2	12:22:59.07			105,3	3							193					
OZOL	i	c	2	12:23:03.14			51,77	3							191					
CARE			3	12:23:05.18			53,95	3							193					

25/08/2016	12:37:02.55	,	,											10	RIETI	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
DOSS	e	d	2	12:37:02.55			46,47	3							346					
VARA	e	d	1	12:37:03.30			47,19	2							355					
PANI	e	d	2	12:37:04.30			48,04	3							353					
GAGG	i	d	2	12:37:06.31			53,27	2							348					
RONC	e	d	2	12:37:06.53			52,84	2							353					
ZIAN			2	12:37:06.61			51,64	3							357					
OZOL			2	12:37:10.38			60,8	3							348					
CARE	i	d	2	12:37:12.55			62,65	3							342					

25/08/2016	19:41:43,01	,	,											10	RIETI			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	e	c	2	19:41:43.01			86,72	3							205					
VARA	i	c	2	19:41:43.29			85,69	2							209					
PANI	i	c	2	19:41:44.36			89,47	3							208					
ZIAN	e	c	2	19:41:46.47			91,48	3							209					
RONC	i	c	2	19:41:46.51			92,64	3							208					
GAGG			2	19:41:46.71			92,48	3							207					
OZOL	e	c	2	19:41:50.31			99,76	3							207					
CARE	i	c	2	19:41:52.79			101,1	3							204					

25/08/2016	23:50:50,89	,	,											10	ASCOLI PICENO			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	e	c	2	23:50:50.89											264					
VARA	e	c	2	23:50:51.04			91,77	2							269					
PANI	e	c	2	23:50:52.15			95,27	3							267					
ZIAN	e	c	2	23:50:54.27			97,04	3							270					
RONC	i	c	2	23:50:54.63			100,5	3							268					
GAGG			2	23:50:54.65											264					
OZOL	e	c	1	23:50:57.96			106,9	3							264					
CARE	e	c	2	23:51:00.55			50,28	3							261					

QUATERLY BULLETTIN *July-September 2016*

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				

26/08/2016	00:05:06,12	,	,											10	RIETI	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	00:05:06.12											253					
VARA	e	d	1	00:05:06.54			49,65	2							257					
PANI	e	d	2	00:05:07.54			52,39	3							253					
ZIAN	e	d	1	00:05:09.65			54,65	3							256					
GAGG	e	d	2	00:05:09.77			56,26	3							252					
RONC	e	d	2	00:05:09.96			57,23	3							254					
OZOL			2	00:05:13.35			63,32	3							252					
CARE	i	d	2	00:05:15.92			66,05	2							251					

26/08/2016	04:08:59,72	,	,											10	RIETI	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	i	d	2	04:08:59.72			101,4	2							199					
DOSS			3	04:08:59.77			102,2	3							191					
PANI			3	04:09:00.94			44,26	3							195					
ZIAN			3	04:09:02.87			47,39	3							200					
RONC			3	04:09:02.97			48,94	3							196					
GAGG			3	04:09:02.97			46,82	3							193					
OZOL			3	04:09:06.18			55,66	3							193					
CARE			3	04:09:08.95											189					

26/08/2016	04:22:07,68	,	,											10	RIETI	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	e	d	3	04:22:07.68			50,17	3							194					
DOSS			2	04:22:07.90			51,64	3							194					
PANI			2	04:22:09.26			53,03	3							191					
RONC	e	d	2	04:22:11.37			57,08	3							192					
ZIAN			3	04:22:11.42			57,19	3							194					
GAGG			3	04:22:11.43			57,4	3							194					
OZOL			3	04:22:14.86			64,52	3							191					
CARE			3	04:22:17.37											193					

26/08/2016	04:29:22,87	,	,											10	RIETI	M 4.8(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	i	d	1	04:29:22.87			67,79	3							409					
VARA	i	d	1	04:29:23.94			67,18	2							418					
PANI	e	d	2	04:29:24.87			68,94	2							413					
GAGG	i	d	1	04:29:26.68			72,4	2							409					
ZIAN	i	d	1	04:29:27.05			72,96	2							418					
RONC			1	04:29:27.18			74,02	3							415					
OZOL	i	d	1	04:29:30.69			80,74	2							411					
CARE	i	d	1	04:29:32.96			82,26	2							406					

QUATERLY BULLETTIN *July-September 2016*

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				

26/08/2016	05:09:52,81	,	,											10	RIETI	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	05:09:52.81			95,05	3							198					
VARA			2	05:09:53.00			95,14	3							205					
PANI			3	05:09:54.36			97,67	3							202					
RONC			3	05:09:56.16			104,1	3							203					
GAGG			3	05:09:56.33			101,5	3							197					
OZOL			3	05:10:00.02			47,65	3							198					
CARE			3	05:10:02.17			51,25	3							196					

26/08/2016	05:18:01,04	,	,											10	RIETI	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
DOSS			2	05:18:01.04			45,33	3							215					
VARA	i	d	2	05:18:01.41			42,73	3							218					
PANI			3	05:18:02.59			44,79	3							215					
GAGG			2	05:18:04.78			49,47	3							215					
RONC	i	d	2	05:18:04.79			49,64	3							216					
ZIAN	i	d	2	05:18:04.81											217					
OZOL	i	d	1	05:18:08.46			57,79	3							213					
CARE	i	d	2	05:18:10.93			59,43	3							211					

26/08/2016	05:33:48,16	,	,											10	PERUGIA				M 3.5(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	e	c	1	05:33:48.16			88,59	2							230							
DOSS	e	c	2	05:33:48.17											227							
PANI			2	05:33:49.23			91,34	3							229							
GAGG	e	c	2	05:33:51.28			95,96	3							228							
RONC			2	05:33:51.34			97,02	3							230							
ZIAN			3	05:33:51.88			95,73	3							230							
OZOL	i	c	2	05:33:54.95			102	3							228							
CARE	e	c	2	05:33:57.30			104,2	3							224							

26/08/2016	05:52:15,62	,	,												10	L'AQUILA				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	
DOSS			3	05:52:15.62			59,13	3							168						
VARA	i	d	2	05:52:15.83			58,66	2							168						
PANI	i	d	2	05:52:17.50			60,29	3							165						
RONC	i	d	2	05:52:19.11			66,07	3							166						
GAGG			3	05:52:19.59			65,35	3							167						
OZOL			3	05:52:23.02			72,09	3							166						
CARE			3	05:52:25.08											170						

26/08/2016	11:07:42.64	,	,											10	RIETI				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		
DOSS			3	11:07:42.64			86,35	3							170							
VARA	e	d	2	11:07:43.03											178							
PANI			2	11:07:44.06			88,15	3							176							
GAGG			2	11:07:46.22			92,04	3							172							
RONC	i	d	2	11:07:46.56			93,54	3							178							
OZOL			2	11:07:49.66			100,4	3							174							
CARE			3	11:07:52.24											166							

QUATERLY BULLETTIN *July-September 2016*

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			

26/08/2016	14:33:48,40	,	,											10	RIETI	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
DOSS			3	14:33:48.40			92,06	3							168					
VARA			3	14:33:48.74			90,73	3							173					
PANI	e	c	2	14:33:50.12			92,74	3							170					
RONC	e	c	2	14:33:51.89			97,56	3							170					
ZIAN	e	c	2	14:33:52.19			96,34	3							173					
GAGG			3	14:33:52.24			97,43	3							169					
OZOL	e	c	2	14:33:55.88			104,6	3							168					
CARE	e	c	2	14:33:57.87			108,3	3							166					

26/08/2016	15:17:22,02	,	,											10	RIETI	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
DOSS			3	15:17:22.02			65,71	3								182				
VARA	i	c	2	15:17:22.06			64,48	3								185				
PANI			3	15:17:23.38			66,57	3								184				
RONC	i	c	2	15:17:25.33			71,31	3								184				
GAGG			3	15:17:25.41			72,09	3								184				
CARE			3	15:17:31.28												177				

26/08/2016	16:06:24,54	,	,											10	RIETI	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
VARA			3	16:06:24.54			65,79	3												
DOSS			3	16:06:24.78			65,24	3												
PANI			2	16:06:26.75			68,31	2												
GAGG			3	16:06:27.84			72,33	3												
RONC			2	16:06:28.23			72,37	3												
ZIAN	i	c	2	16:06:28.84			71,78	3												
OZOL	e	c	2	16:06:32.18			79,23	3												
CARE			3	16:06:34.42			82,64	3												

26/08/2016	20:50:07,64	,	,											10	PERUGIA			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
DOSS			3	20:50:07.64																
VARA	e	d	2	20:50:07.74			48,55	3												
PANI			3	20:50:08.99			50,46	3												
ZIAN	e	d	2	20:50:10.93			54,94	3												
RONC			2	20:50:11.09			56,48	3												
GAGG			2	20:50:11.23			54,26	3												
OZOL			2	20:50:14.56			62,05	3												
CARE	i	d	3	20:50:16.85			64,89	3												

26/08/2016	23:14:31,98	,	,											10	ASCOLI PICENO			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	23:14:31.98			72,63	3												214
DOSS			3	23:14:32.24																206
PANI			3	23:14:33.44			75,69	3												211
ZIAN			3	23:14:34.71			79,4	3												215
GAGG			3	23:14:36.35			79,68	3												206
RONC			3	23:14:36.45			81,53	3												211
OZOL			3	23:14:39.41			87,31	3												207
CARE			3	23:14:42.07																204

QUATERLY BULLETTIN *July-September 2016*

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			

26/08/2016	23:30:59,60	46,5518	10,5798	8,11	0,7		0	0	1,1	90	0	1,1	C	0,18	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	e		1	23:31:02.91	16,8	148	5,17	2	116							0,13		-0,1	1,2	

27/08/2016	01:27:34,70	,	,											10	ASCOLI PICENO				M 3.7(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			3	01:27:34.70											258							
VARA	e	c	1	01:27:35.01			76,02	3							264							
PANI			2	01:27:36.39			78,77	3							262							
ZIAN			2	01:27:38.19											263							
RONC	e	c	2	01:27:38.98			85,07	3							261							
GAGG			3	01:27:39.08											257							
OZOL	e	c	2	01:27:41.94			90,06	3							259							
CARE			3	01:27:44.81			93,24	3							258							

27/08/2016	02:39:02,90	45,9850	10,8465	7,86	0,7		0	0	0,4	90	0	0,4	B	0,11	0	COMANO TERME (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	02:39:05.67	14	38	7,96	3	119							0,03		0,18	0,4	
RONC	e		2	02:39:05.99	17,3	268	8,74	2	114							-0,16		0,05	0,7	
VARA	e		2	02:39:06.22	18,1	168	9,13	3	113							-0,05		0,23	0,7	
DOSS	e		2	02:39:08.05	29	114	11,95	2	105							0,02		-0,09	0,9	

27/08/2016	02:51:54,55	,	,											10	ASCOLI PICENO				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			2	02:51:54.55			96,37	3							291					
DOSS	e	c	3	02:51:54.95											285					
PANI			2	02:51:55.70			96,16	3							288					
ZIAN			2	02:51:57.41											292					
GAGG	e	c	2	02:51:58.16			101,9	3							285					
RONC			3	02:51:58.23			104,5	3							290					
OZOL	e	c	2	02:52:01.23			49,94	3							286					
CARE	i	c	2	02:52:04.25			51,49	3							283					

27/08/2016	04:43:18,45	,	,											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	04:43:18.45			33,37	2							140					
DOSS	e	c	2	04:43:19.06											136					
RONC	e	c	2	04:43:21.40			39,19	2							138					
PANI	i	c	2	04:43:22.03			39,43	2							138					
GAGG	e	c	2	04:43:22.54			39,96	2							136					
ZIAN			2	04:43:26.28			45,48	2							139					
OZOL			3	04:43:27.95			48,62	3							138					
CARE			3	04:43:28.66											138					

QUATERLY BULLETTIN *July-September 2016*

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				

27/08/2016	06:09:25,51	,	,											10	ASCOLI PICENO				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		
VARA	i	c	2	06:09:25.51			66,11	2							214							
DOSS			3	06:09:25.96											209							
PANI			3	06:09:26.56			66,24	3							213							
ZIAN			2	06:09:28.69			71,12	3							215							
RONC			3	06:09:29.28			74,44	3							214							
GAGG			3	06:09:29.79			71,4	3							209							
OZOL			2	06:09:32.20			80,04	3							210							
CARE			3	06:09:35.43			85,39	3							207							

27/08/2016	06:21:28,85	,	,											10	ASCOLI PICENO				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		
DOSS	e	d	1	06:21:28.85											221							
VARA	e	d	2	06:21:29.27			70,79	2							226							
PANI	i	d	1	06:21:30.74			74,41	3							224							
GAGG			2	06:21:32.39			78,56	3							222							
RONC			1	06:21:32.59			78,8	2							225							
ZIAN	i	d	1	06:21:32.74			78,18	3							225							
OZOL	e	d	2	06:21:36.41			85,97	3							221							
CARE	i	d	2	06:21:38.70			87,52	3							218							

27/08/2016	09:42:34,18	,	,											10	PERUGIA	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	e	d	2	09:42:34.18			74,76	2							205					
PANI	i	d	2	09:42:35.76			77,7	3							202					
ZIAN	i	d	2	09:42:37.52			79,87	3							206					
GAGG			3	09:42:37.63			81,77	3							201					
RONC	i	d	2	09:42:37.64			81,69	3							204					
OZOL	i	d	2	09:42:41.12			89,15	3							202					

27/08/2016	10:41:09,31	,	,											10	ASCOLI PICENO	M 3.6(I)
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27/08/2016	10:41:09,31	,	,											10	ASCOLI PICENO				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	10:41:09.31			49,72	3							234							
DOSS			3	10:41:09.85											230							
PANI			3	10:41:10.83			49,94	3							233							
ZIAN	e	d	2	10:41:12.50			56,04	3							236							
RONC	e	d	2	10:41:13.06			56,95	3							232							
GAGG			3	10:41:13.29			58,28	3							230							
OZOL	e	d	2	10:41:16.30			53,18	3							230							
CARE	i	d	2	10:41:19.36			69,36	3							229							

27/08/2016	21:32:40,20		,		,											10	RIETI				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				
DOSS			2	21:32:40.20			83,01	3							230									
VARA	e	c	2	21:32:40.40			82,75	2							230									
PANI	e	c	2	21:32:41.60			83,87	2							228									
GAGG	e	c	2	21:32:43.53			88,41	2							228									
RONC	i	c	2	21:32:43.56			89,21	2							229									
ZIAN	i	c	2	21:32:44.02			88,75	2							231									
OZOL	i	c	2	21:32:47.65			95,52	2							228									
CARE	i	c	2	21:32:49.61			98,26	3							229									

QUATERLY BULLETTIN *July-September 2016*

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				

27/08/2016	23:41:45,52	,	,											10	MODENA	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	e	d	1	23:41:45.52			59,95	2							126					
DOSS	e	d	1	23:41:46.24			61,73	2							122					
RONC	e	d	2	23:41:48.84			66,03	2							125					
PANI			2	23:41:49.58			66,94	2							125					
GAGG			2	23:41:49.93			67,58	3							124					
ZIAN	e	d	1	23:41:53.76			73,43	1							127					
OZOL	e	d	2	23:41:55.72			76,39	3							125					
CARE	e	d	2	23:41:56.00			77,05	2							120					

28/08/2016	05:17:32,24	,	,												10	RIETI	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	05:17:32.24			77,77	3							193					
VARA	e	d	2	05:17:32.37			74,33	2							196					
PANI			2	05:17:33.60			76,69	3							194					
RONC			2	05:17:35.73			81,45	3							196					
ZIAN	i	d	2	05:17:35.76			81,18	3							197					
GAGG			2	05:17:35.95			81,2	3							194					
OZOL	e	d	2	05:17:39.30			89,81	3							193					
CARE			3	05:17:41.48			91,18	3							192					

28/08/2016	06:14:08,36	,	,											10	RIETI	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
DOSS			3	06:14:08.36			50,9	3							175					
VARA			3	06:14:08.71			50,19	3							178					
PANI			3	06:14:10.26			55,01	3							175					
ZIAN			3	06:14:11.94			56,53	3							179					
GAGG			3	06:14:12.50			58,73	3							176					
RONC			3	06:14:12.61			57,93	3							177					
OZOL			3	06:14:16.58			64,4	3							174					
CARE			3	06:14:18.23			67,92	3							172					

28/08/2016	06:38:15,53	,	,											10	RIETI	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	e	d	2	06:38:15.53			56,5	2							224					
DOSS			3	06:38:15.73			58,2	3							221					
PANI	e	d	2	06:38:16.86			58,53	3							221					
GAGG			3	06:38:18.91			63,78	3							220					
ZIAN	i	d	2	06:38:19.11			62,5	3							223					
RONC			2	06:38:19.49			64,23	3							221					
OZOL			2	06:38:22.73			70,15	3							219					
CARE			2	06:38:25.19			73,65	3							221					

QUATERLY BULLETTIN *July-September 2016*

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			

28/08/2016	09:16:16,00	,	,											10	RIETI	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
VARA	e	d	2	09:19:16.00			57,64	3							209					
DOSS			3	09:19:16.18			58,99	3							203					
PANI			3	09:19:17.30			61,26	3							206					
ZIAN	i	d	2	09:19:19.45			63,74	3							211					
GAGG			3	09:19:19.50			66,34	3							206					
RONC	e	d	2	09:19:19.72			65,66	2							207					
OZOL	e	d	2	09:19:22.87			72,37	3							204					
CARE			3	09:19:25.81			75,28	3							204					

28/08/2016	13:08:30,87	,	,											10	RIETI	M 3.7(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	13:08:30.87			74,49	3							234					
VARA	i	c	1	13:08:31.28			74,05	2							234					
PANI	i	c	2	13:08:32.36			76,87	2							233					
GAGG			2	13:08:34.32			79,75	2							233					
ZIAN	e	c	2	13:08:34.68			79,67	2							235					
OZOL			2	13:08:38.11			87,77	3							232					
CARE			2	13:08:40.42			89,27	3							232					

28/08/2016	15:38:33,57	,	,											10	PERUGIA	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			2	15:38:33.57			74,07	2							226					
DOSS			3	15:38:33.88			73,03	3							222					
PANI			2	15:38:35.15			76,75	2							224					
RONC			3	15:38:36.68			81,44	2							224					
GAGG			2	15:38:37.11			80,08	3							222					
ZIAN			2	15:38:37.28			79,49	3							227					
OZOL	e	c	2	15:38:40.79			88,21	2							221					
CARE	e	c	3	15:38:43.35			89,94	3							222					

28/08/2016	15:56:29,48	,	,											10	ASCOLI PICENO				M 4.2(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	e	c	2	15:56:29.48											318							
VARA	e	c	1	15:56:30.38			71,45	2							325							
PANI	e	c	2	15:56:31.36			73,89	2							321							
GAGG	e	c	2	15:56:33.31			76,47	3							318							
ZIAN	e	c	2	15:56:33.55			75,56	2							326							
RONC	e	c	2	15:56:33.95			79,85	3							324							
OZOL	e	c	1	15:56:37.19			86,55	3							319							
CARE	e	c	1	15:56:39.49			89,06	3							316							

QUATERLY BULLETTIN July-September 2016

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				

28/08/2016	16:42:56,19	,	,											10	PERUGIA	M 3.7(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	16:42:56.19			96,98	3							235					
VARA			2	16:42:56.78			97,5	2							236					
PANI	e	c	2	16:42:57.92			98,78	3							234					
ZIAN	e	c	1	16:42:59.83			102,7	3							236					
GAGG			3	16:42:59.90			104,9	3							234					
RONC			2	16:43:00.50			44,39	3							233					
OZOL			3	16:43:03.57			50,92	3							233					
CARE	i	c	1	16:43:06.16			53,86	3							235					

28/08/2016	20:23:27,04	,	,											10	RIETI	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	20:23:27.04			67,95	2							209					
DOSS			3	20:23:27.42			67,42	3							207					
PANI			3	20:23:28.42			70,18	3							207					
ZIAN			3	20:23:30.22			75,03	3							210					
RONC			3	20:23:30.91			76,43	3							206					
GAGG			3	20:23:30.96			75,52	3							206					
OZOL	i	c	2	20:23:34.14			82,39	2							205					
CARE			3	20:23:37.43			84,87	3							205					

28/08/2016	21:26:30,16	,	,											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	21:26:30.16			31,6	1							29					

29/08/2016	01:45:20,55	,	,											10	ASCOLI PICENO				M 3.5(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	e	c	2	01:45:20.55			62,67	3							235							
VARA	e	c	2	01:45:21.05			62,93	3							235							
PANI	e	c	2	01:45:22.45			63,85	3							233							
GAGG	e	c	2	01:45:24.31			70,3	3							233							
RONC	e	c	2	01:45:24.72			69,85	3							232							
ZIAN	i	c	2	01:45:24.74			69,19	3							236							
OZOL			2	01:45:28.29			76,52	2							231							
CARE	i	c	2	01:45:30.69			79,35	3							232							

29/08/2016	02:09:00,33	,	,											0	RONC					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RONC	e	d	1	02:09:00.33			2,77	3							26					

QUATERLY BULLETTIN *July-September 2016*

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				

29/08/2016	06:21:06,41	,	,											10	RIETI	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	06:21:06.41			47,09	3							234					
VARA	e	c	1	06:21:06.67			47,58	2							236					
PANI	e	c	2	06:21:07.95			49,76	2							233					
GAGG			2	06:21:09.65			55,61	3							233					
RONC	e	c	2	06:21:10.06			55,91	3							232					
ZIAN			2	06:21:10.16											236					
OZOL	e	c	1	06:21:13.91			62,12	2							230					
CARE	i	c	2	06:21:16.14			65,04	3							233					

29/08/2016	10:12:29,89	46,1843	11,2060	6,77	1,2		0	0	0,3	90	0	0,3	B	0,07	2	CEMBRA LISIGN. (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	10:12:33.16	17,9	146			111							0			1	
GAGG	i	c	1	10:12:33.80	22,2	240			107							-0,05			1	
OZOL	e		2	10:12:34.62	27,1	334			104							-0,05			1,1	
ZIAN	e		2	10:12:35.08	29,4	70			103							0,03			0,9	
DOSS	i	c	1	10:12:35.80	33,9	182			101							0			1,1	
CARE	e	c	2	10:12:38.05	47,4	304			98							-0,03			1,9	
RONC	e		2	10:12:38.76	50,5	243			98							0,16			1,1	

29/08/2016	14:13:45,62	,	,											1	PANI,GAGG,DOSS	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	14:13:45.62			47,48	1							48					
GAGG	e	c	2	14:13:47.18			50,9	2							46					
DOSS	i	c	1	14:13:48.27											47					

29/08/2016	14:39:13,61	46,1301	11,2098	3,35	1,1		0	0	0,4	90	0	0,4	C	0,03	2	FORNACE	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	14:39:15.86	13,1	132				104						-0,06			1	
GAGG	e		2	14:39:17.14	20,1	255				99						0,05			0,7	
DOSS	e		2	14:39:18.38	27,9	183				97						-0,02			0,9	
ZIAN	e		2	14:39:19.09	31,7	59				96						0,03			1,2	
CARE	e		1	14:39:22.37	51,3	310				94						-0,02			1,9	

29/08/2016	17:53:17,42	,	,											10	MACERATA			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
VARA	i	d	2	17:53:17.42			58,47	3							211					
DOSS			3	17:53:17.78											201					
PANI			3	17:53:19.26			60,09	3							208					
ZIAN			3	17:53:20.57											210					
GAGG			3	17:53:20.74											204					
RONC			3	17:53:21.83			64,78	3							208					
OZOL			3	17:53:24.55			72,74	3							205					
CARE			3	17:53:26.62											198					

QUATERLY BULLETTIN *July-September 2016*

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			

30/08/2013	07:37:23,58	,	,											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		07:37:23.58			25,09	2							26					

30/08/2016	00:36:49,62	,	,											10	PERUGIA	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	00:36:49.62			91,58	3							238					
DOSS			3	00:36:50.28											235					
PANI	e	c	2	00:36:52.13			92,76	3							235					
ZIAN	i	c	2	00:36:54.17											238					
GAGG	e	c	2	00:36:54.31			100,4	3							234					
RONC			2	00:36:54.32			99,52	3							235					
OZOL	e	c	2	00:36:57.87			105,1	3							232					
CARE			3	00:37:00.12			47,22	3							231					

30/08/2016	22:12:11,58	,	,											10	ASCOLI PICENO			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	i	d	2	22:12:11.58			53,86	3							192					
DOSS			3	22:12:11.60			53,81	3							194					
ZIAN			3	22:12:14.68			58,53	3							193					
RONC			3	22:12:15.28			60,47	3							189					
GAGG			3	22:12:15.34			60,51	3							192					
OZOL			3	22:12:18.29			65,86	3							192					

30/08/2016	23:31:17,92	45,8241	10,5576	10,71	0,7		0	0	0,6	90	0	0,6	C	0,16	0	STORO (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	
RONC	e		2	23:31:21.70	18,1	16	24,33	2	121							0,18		0	1,1		
GAGG	e		2	23:31:25.43	42,4	47				104						0,03			0,9		

31/08/2016	01:42:43,91	,	,											10	PERUGIA	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	e	c	2	01:42:43.91											194					
VARA	i	c	1	01:42:44.30			85,25	2							200					
PANI			3	01:42:45.53			87,75	3							197					
ZIAN	i	c	2	01:42:47.34			91,65	3							200					
GAGG	i	c	2	01:42:47.65			91,75	3							195					
RONC	i	c	2	01:42:47.66			93,62	3							197					
OZOL	i	c	2	01:42:51.17			99,85	3							195					
CARE	i	c	2	01:42:53.65											194					

31/08/2016	09:47:11,53	,	,											10	PERUGIA				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	09:47:11.53											206							
VARA	i	d	2	09:47:11.81			52,93	3							209							
PANI			2	09:47:13.53			55,77	3							206							
ZIAN			3	09:47:15.40											210							
GAGG			3	09:47:15.55			60,35	3							206							
RONC			2	09:47:15.89			59,76	3							207							
OZOL			2	09:47:19.19			68,34	3							204							
CARE			3	09:47:20.94			71,08	3							204							

QUATERLY BULLETTIN *July-September 2016*

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				

31/08/2016	10:55:15,27	45,5250	10,2736	9,27	1,4		0	0	2,4	90	0	2,4	C	0,15	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
RONC	e		2	10:55:25.10	57,5	28				99						-0,13			1,6	

31/08/2016	11:26:56,01	,	,											10	MACERATA	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
VARA			2	11:26:56.01			97,17	3							272					
DOSS			3	11:26:56.05											271					
PANI			3	11:26:57.77			101,4	3							272					
GAGG	e	c	2	11:26:59.71			103,8	3							271					
RONC	i	c	2	11:26:59.77			105,6	3							271					
ZIAN			3	11:27:00.17											272					
OZOL	i	c	2	11:27:03.42			50,02	3							271					
CARE	e	c	2	11:27:05.75			54,98	3							272					

31/08/2016	11:53:25,54	,	,											10	MACERATA				M 3.5(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	11:53:25.54			66	3							225							
VARA	e	c	1	11:53:26.10			66,12	3							232							
PANI	e	c	2	11:53:27.33			67,73	3							231							
GAGG			3	11:53:29.42											225							
RONC			3	11:53:29.44			75,6	3							230							
ZIAN	i	c	2	11:53:29.56											233							
OZOL			2	11:53:33.03			80,78	3							228							
CARE	i	c	2	11:53:35.54			82,81	3							223							

31/08/2016	13:23:59,87	,	,											10	ASCOLI PICENO				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			3	13:23:59.87			101,6	3							270							
VARA	i	d	2	13:24:00.21			40,19	2							269							
PANI	i	d	2	13:24:01.40			43,74	3							269							
ZIAN			2	13:24:03.42			47,32	3							272							
GAGG	e	d	2	13:24:03.44			49,31	3							270							
RONC	i	d	2	13:24:03.68			47,85	3							268							
OZOL			2	13:24:06.97			55,12	3							268							
CARE			3	13:24:09.49			57,61	3							272							

31/08/2016	14:45:19,66	46,1203	11,2260	0,28	1,1		0	0	0	90	0	0	C	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		2	14:45:21.60	11,4	133				91						-0,01			1,3	
GAGG	e		2	14:45:23.23	21,1	259				91						-0,03			0,8	
DOSS	e		2	14:45:24.21	26,9	186				91						-0,04			1,1	

QUATERLY BULLETTIN *July-September 2016*

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			

31/08/2016	18:13:47,14	,	,											10	ASCOLI PICENO				M 3.7(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	18:13:47.14			89,34	3							243							
VARA	e	c	2	18:13:47.91			89,58	3							250							
PANI	e	c	2	18:13:48.82			90,26	3							246							
GAGG			2	18:13:50.72			96,34	3							245							
ZIAN	i	c	2	18:13:50.81			94,04	3							251							
RONC	e	c	2	18:13:51.38			96,14	3							247							
OZOL			2	18:13:54.66			102,2	2							243							
CARE	i	c	2	18:13:57.35			106,3	3							246							

31/08/2016	20:08:57,28	,	,											10	PERUGIA	M 3.5(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			2	20:08:57.28			98,2	3							220					
VARA	i	c	1	20:08:57.96			97,88	2							218					
PANI	e	c	2	20:08:59.08			102,6	3							219					
ZIAN			2	20:09:01.18			44,3	3							219					
GAGG	i	c	2	20:09:01.36			45,45	3							219					
RONC	i	c	2	20:09:01.39			47,24	3							218					
OZOL	i	c	1	20:09:04.75			53,18	3							218					
CARE	i	c	2	20:09:07.36			54,66	3							218					

31/08/2016	21:43:47,48	,	,											10	PERUGIA	M 3.5(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	e	c	2	21:43:47.48											222					
VARA			2	21:43:47.77			89,18	2							226					
PANI	e	c	2	21:43:49.08			90,11	3							224					
RONC	e	c	1	21:43:51.10			97,25	3							224					
GAGG	e	c	2	21:43:51.27			95,57	3							222					
ZIAN			2	21:43:51.41			93,08	3							225					
OZOL	e	c	1	21:43:55.20			101,8	3							220					
CARE	e	c	2	21:43:57.26											218					

31/08/2016	22:15:05,68	,	,											10	ASCOLI PICENO				M 3.5(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			2	22:15:05.68			48,28	3							232							
VARA			2	22:15:06.03			47,2	3							232							
PANI			3	22:15:07.07			49,65	3							229							
ZIAN	i	c	2	22:15:09.23			53,6	3							233							
RONC	e	c	2	22:15:09.40			54,69	3							230							
GAGG			2	22:15:09.58			53,42	3							229							
OZOL			2	22:15:12.94			61,79	3							228							
CARE	e	c	3	22:15:15.40			64,9	3							226							

QUATERLY BULLETTIN *July-September 2016*

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				

01/09/2016	01:56:46,08	,	,											10	MACERATA				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	01:56:46.08											219							
VARA	e	c	2	01:56:46.50			87,19	3							220							
PANI	e	c	2	01:56:47.68			90,33	3							220							
ZIAN	e	c	2	01:56:49.62			92,23	3							222							
GAGG			3	01:56:49.77			94,04	3							219							
RONC			2	01:56:49.87			93,33	3							220							
OZOL	i	c	2	01:56:53.40			100,7	3							220							
CARE			3	01:56:55.64											218							

01/09/2016	03:54:01,32	,	,											10	RIETI				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	e	c	2	03:54:01.32											218							
VARA	e	c	2	03:54:02.08			35,58	3							218							
PANI	e	c	2	03:54:03.02			48,72	3							215							
ZIAN	e	c	2	03:54:05.22			51,21	3							220							
GAGG	e	c	2	03:54:05.52			52,38	3							216							
RONC	e	c	2	03:54:05.69			52,34	3							216							
OZOL	e	c	2	03:54:08.92			59,02	3							215							
CARE	i	c	2	03:54:11.45			61,82	3							215							

01/09/2016	06:50:29,58	,	,											10	MACERATA			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	06:50:29.58			69,14	3							211					
DOSS			3	06:50:29.71											209					
PANI			3	06:50:30.71			71,04	3							204					
RONC			3	06:50:33.06											208					
GAGG			3	06:50:33.85											207					
OZOL			3	06:50:37.10			83,04	3							204					

01/09/2016	07:36:35,09	,	,											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	07:36:35.09			36,6	2							29					

01/09/2016	11:36:55,69	,	,											10	L'AQUILA				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	11:36:55.69			97,58	3							204					
VARA	e	c	1	11:36:55.84			98,61	2							205					
PANI	i	c	2	11:36:56.98			99,79	3							204					
ZIAN			2	11:36:59.04											205					
GAGG			3	11:36:59.24			105,6	3							204					
RONC			3	11:36:59.56			107	3							204					
OZOL	e	c	2	11:37:02.70			51,78	3							202					
CARE	e	c	3	11:37:04.74			55,92	3							203					

QUATERLY BULLETTIN *July-September 2016*

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			

01/09/2016	16:29:51,82	46,1443	11,1866	7	0,9		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		2	16:29:54.73	15,5	132				114						0			0,9		
GAGG	e	c	2	16:29:55.26	18,9	249				110						-0,01			0,9		
DOSS	e		2	16:29:56.98	29,4	180				103						-0,01			0,9		

02/09/2016	10:45:38,04	46,3420	11,7981	15,25	0,8		0	0	0,5	90	0	0,5	B	0,03	0	TONADICO (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	i	c	1	10:45:42.24	19,5	248	45,63	3	128							-0,03		0,05	0,8				

02/09/2016	15:23:44.69	,	,											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	1	15:23:44.69			46,36	1							29					

02/09/2016	17:02:17,49	,	,											10	PARMA				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	17:02:17.49			40,98	2							187							
RONC			2	17:02:18.05			42,66	1							188							
DOSS			2	17:02:19.66			45,88	2							189							
GAGG			2	17:02:20.60			47,53	3							190							
PANI			2	17:02:22.48			49,25	2							187							
CARE			1	17:02:24.20			51,44	2							188							
OZOL			2	17:02:25.38			55,33	3							188							
ZIAN			2	17:02:26.82			55,5	2							190							

03/09/2016	01:35:07,25	,	,											10	PERUGIA				M 4.2(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			2	01:35:07.25			48,36	3							336							
VARA			2	01:35:07.58			48,9	2							342							
PANI			2	01:35:08.85			51,07	2							338							
GAGG			2	01:35:10.85			56	2							336							
ZIAN			2	01:35:11.16			55,84	2							343							
RONC	i	c	1	01:35:11.50			57,04	2							338							
OZOL	e	c	2	01:35:15.06			63,11	3							336							
CARE	e	c	2	01:35:16.94			65,02	2							334							

03/09/2016	03:20:09,54	,	,											10	PERUGIA				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	e	d	2	03:20:09.54			50,73	3							189							
DOSS			3	03:20:09.77											186							
PANI			2	03:20:10.66			52,91	3							188							
ZIAN	e	d	2	03:20:12.71			58,71	3							189							
GAGG	i	d	2	03:20:13.48																		
RONC			3	03:20:13.78			58,99	3							187							
OZOL			2	03:20:16.38			64,76	3							186							
CARE			3	03:20:19.17											185							

QUATERLY BULLETTIN *July-September 2016*

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			

03/09/2016	10:19:45,22	,	,											10	MACERATA			M 4.3(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			2	10:19:45.22			84,85	3												
VARA	e	c	1	10:19:45.79			85,55	2												
PANI	e	c	2	10:19:46.98			87	2												
GAGG			2	10:19:48.92			91,58	3												
RONC			2	10:19:49.06			94,06	2												
ZIAN	e	c	1	10:19:49.06			90,87	2												
OZOL	e	c	2	10:19:52.72			100,2	3												
CARE	e	c	1	10:19:55.21			103,3	2												

03/09/2016	10:32:05,88	,	,											10	MACERATA	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	10:32:05.88			45,32	3								196				
PANI			2	10:32:07.47												193				
ZIAN			2	10:32:09.02			49,89	3								198				
GAGG			3	10:32:09.74			54,39	3								189				
RONC			3	10:32:09.88			53,52	3								190				
OZOL			3	10:32:12.67			59,11	3								190				

03/09/2016	15:01:03,70	45,8328	11,7111	10,72	1,3		0	0	0,6	90	0	0,6	C	0,13	0	BASSANO 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	15:01:10.50	37,9	310	15,66	2	106							0,06		-0,03	1,5		
DOSS	i	d	2	15:01:10.77	40,9	277	16,43	3	105							-0,16		-0,14	1,3		
ZIAN	e		1	15:01:12.70	50,6	347	19,17	2	102							0,16		-0,27	1,4		
VARA	e		2	15:01:14.70	63,3	269			100							0,03			1,5		
GAGG	e		2	15:01:14.89	64,7	296			99							-0,01			1,2		

03/09/2016	16:33:17,55	,	,											10	MACERATA				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	e	c	2	16:33:17.55			58,45	3							207					
DOSS			3	16:33:17.90			56,9	3							202					
PANI	e	c	2	16:33:18.72			58,95	3							205					
ZIAN	e	c	2	16:33:20.72			63,53	3							208					
GAGG			3	16:33:21.09											202					
RONC			3	16:33:21.63			66,62	3							205					
OZOL	e	c	2	16:33:24.41											203					
CARE			3	16:33:26.95											199					

03/09/2016	18:52:31,12	46,4261	10,7733	11,86	0,9		0	0	0,7	90	0	0,7	B	0,23	0	RABBI (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	i	c	1	18:52:33.65	5,8	268	35,21	2	154							0,27		0,07	0	
OZOL	i	c	1	18:52:35.33	21,5	97	38,32	2	119							0,01		-0,28	1	
GAGG	e		2	18:52:38.64	40,7	159			106							0,28			1	
RONC	e		2	18:52:40.35	50,8	193			103							0,31			0,9	

03/09/2016	18:52:42,73	,	,										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	18:52:42.73			44,27	1							32					

QUATERLY BULLETTIN July-September 2016

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			

03/09/2016	19:15:42,91	,	,											10	CONF. ITALIA-FRANCIA				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		
RONC			2	19:15:42.91			78,88	3														
VARA	i	d	1	19:15:43.18			79,34	3							228							
DOSS	i	d	1	19:15:45.68			83,54	3							221							
GAGG	i	d	1	19:15:46.23			83,77	1							222							
PANI	e	d	2	19:15:48.38			87,6	2							224							
CARE			3	19:15:48.60											220							
OZOL	e	d	2	19:15:50.68			92,21	2							223							
ZIAN	e	d	2	19:15:52.45			94,74	2							228							

03/09/2016	21:21:12,05	,	,											10	PERUGIA	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	21:21:12.05			52,71	2							212					
DOSS			3	21:21:12.77			53,45	3							210					
PANI			3	21:21:14.19											212					
RONC			3	21:21:15.66			59,91	2							211					
ZIAN			3	21:21:15.92			59,35	3							213					
GAGG			3	21:21:16.20			59,49	3							211					
OZOL			3	21:21:19.78			65,92	3							210					
CARE			3	21:21:21.95											208					

04/09/2016	07:22:42,36	,	,											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	c	0	07:22:42.36			43,91	1							24					

04/09/2016	07:23:41,04	,	,											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	07:23:41.04			42,6	1												
OZOL	e	c	1	07:23:42.71			45,58	2												

04/09/2016	07:24:57,80	,	,											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	07:24:57.80			59,35	0							29					
OZOL	i	c	1	07:24:59.46			62,35	2							28					

04/09/2016	07:25:44.43	,	,											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	i	c	0	07:25:44.43			45,99	1							31					

04/09/2016	07:28:48,35	,	,											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	07:28:48.35			49,9	1							26					

QUATERLY BULLETTIN *July-September 2016*

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				

04/09/2016	07:30:23.88	,	,											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	07:30:23.88			25,43	0							19					
OZOL	e	c	1	07:30:25.54			28,48	2							19					

04/09/2016	07:30:47,78	,	,												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	07:30:47.78			49,33	1							29					

04/09/2016	07:33:56,51	,	,											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	07:33:56.51			58,06	1							30					

04/09/2016	07:37:00.99	,	,											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	07:37:00.99			2,54	0							21					

04/09/2016	07:37:53,89	46,4354	10,7841		11,36	0,9		0	0	0,7	90	0	0,7	B	0,2	0	RABBI (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	i	c	0	07:37:56.36	6,8	260	57,94	2	149							0,21		0,02	0,1	
OZOL	i	c	1	07:37:58.04	20,9	100	60,97	2	119							0,09		-0,15	0,9	
GAGG	e		2	07:38:01.38	41,4	161	6,93	2	105							0,15		-0,02	1	
RONC	e		2	07:38:03.10	52,1	194			102							0,1			0	

04/09/2016	07:44:37,17	,	,											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	07:44:37.17			38,74	0							26					

04/09/2016	10:24:20,50	,	,											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	10:24:20.50			22,06	0							34					
OZOL	e	c	1	10:24:22.17			24,98	2							34					

04/09/2016	10:36:12,47	46,4261	10,7728	12,02	1,2		0	0	0,7	90	0	0,7	B	0,24	0	RABBI (TN)				M 1.1(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	
CARE	i	c	0	10:36:15.04	5,8	268	16,62	1	154							0,28		0,09	0,4		
OZOL	i	c	1	10:36:16.70	21,6	97	19,64	2	119							0,01		-0,35	1,2		
GAGG	i	d	2	10:36:20.01	40,7	159	25,41	3	106							0,28		0,03	1		
RONC	e		2	10:36:21.70	50,8	193			103							0,3			1,3		

QUATERLY BULLETTIN *July-September 2016*

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					

04/09/2016	10:38:32,21	46,4261	10,7696	11,96	1		0	0	0,8	90	0	0,8	B	0,25	0	RABBI (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	i	c	1	10:38:34.76	5,6	268	36,32	1	155							0,28		0,09	0		
OZOL	i	c	1	10:38:36.43	21,8	97	39,37	2	119							-0,04		-0,42	1,1		
GAGG	e		2	10:38:39.83	40,8	159			106							0,35			0,8		

04/09/2016	10:39:01,41	,	,											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	10:39:01.41			2,96	0							27							

04/09/2016	11:13:23,59	46,4351	10,7820	11,23	0,8		0	0	0,7	90	0	0,7	B	0,14	0	RABBI (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	i	c	1	11:13:25.98	6,6	260	27,56	2	150							0,16		0,01	0		
OZOL	i	c	1	11:13:27.66	21	100	30,57	2	118							0		-0,27	0,5		
GAGG	e		2	11:13:30.99	41,4	161			105							0,07			1		
ZIAN	e		2	11:13:34.48	62,7	106			100							0,01			0		

04/09/2016	11:20:10,34	,	,											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	11:20:10.34			11,89	0							39					
OZOL	e	c	1	11:20:12.00			14,91	1							38					

04/09/2016	11:32:55,86	46,4875	10,8725	10,18	1,2		0	0	0,6	90	0	0,6	B	0,21	0	VAL MARTELLO (BZ)		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
CARE	i	c	1	11:32:59.16	15,2	243	61,47	2	124							0,17		0,05	1,2	
OZOL	i	c	1	11:32:59.30	16,6	124	61,63	2	121							0,1		-0,17	1,4	
GAGG	e		2	11:33:03.97	45,4	172	9,99	3	103							0,15		-0,03	1	
ZIAN	i	c	1	11:33:06.09	58,1	114			100							0,14			1,3	
RONC	e		2	11:33:06.24	59,5	199			100							0,05			1,3	

04/09/2016	12:21:43,37	,	,											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	12:21:43.37			44,93	1							29							
OZOL	i	c	1	12:21:45.03			47,87	2							29							

04/09/2016	12:25:40,15	46,4261	10,7743	11,73	1,1		0	0	0,8	90	0	0,8	B	0,26	0	RABBI (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	i	c	1	12:25:42.71	5,9	268	44,29	2	153							0,31		0,14	0	
OZOL	i	c	1	12:25:44.39	21,5	97	47,33	2	119							0,06		-0,27	0,9	
GAGG	e		2	12:25:47.69	40,7	160			106							0,31			1	

04/09/2016	12:30:17,80	,	,											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	12:30:17.80			19,35	1							30							

QUATERLY BULLETTIN *July-September 2016*

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			

04/09/2016	17:08:16,69	46,0158	10,4315	1,03	1,1		0	0	0,5	90	0	0,5	C	0,06	0	CAPO DI PONTE (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
RONC	e		2	17:08:19.42	15,3	105	21,41	2	94							0,1		0,04	1,4	
GAGG	e		2	17:08:23.80	41,5	80	29,31	2	91							0,01		-0,01	1	

04/09/2016	19:38:19,38	45,7686	11,1440	10,99	0,6		0	0	0,8	90	0	0,8	B	0,14	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	i	d	1	19:38:22.38	12,9	16	24,52	2	131							0,11		0	0	
VARA	e		2	19:38:23.49	20,3	288	26,58	2	118							0,17		0,19	0,8	
GAGG	e		2	19:38:26.22	37,8	338	31,02	2	106							0,11		-0,35	0	

05/09/2016	02:44:30,10	45,7150	10,9076	5,61	0,7		0	0	1,4	90	0	1,4	C	0,3	0	AVIO (TN)				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		2	02:44:31.93	12,4	356	34,08	2	114							-0,49		-0,15	0,6		

05/09/2016	04:23:15,16	,	,											10	MACERATA			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	i	c	1	04:23:15.16			56,3	3							221					
DOSS			3	04:23:15.25			56,29	3							214					
PANI			3	04:23:16.64			58,11	3							218					
ZIAN	e	c	2	04:23:18.36			62,31	3							222					
RONC			3	04:23:18.50			63,41	3							219					
GAGG			3	04:23:18.80			60,99	3							214					
OZOL	e	c	1	04:23:22.04			71,26	3							216					
CARE			3	04:23:24.50			71,21	3							212					

05/09/2016	05:04:55,26	45,8213	10,9761	14,01	0,9		0	0	0,4	90	0	0,4	B	0,14	0	BRENTONICO (TN)			M 1.0(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
VARA	e		2	05:04:57.89	6,2	275	60,39	2	156							0,01		0,47	0,1	
DOSS	e	c	1	05:04:59.25	17,8	68	62,03	2	128							0,13		-0,11	0,7	
GAGG	i	c	2	05:05:00.89	29,2	357	5,06	2	116							0,1		-0,05	1	

05/09/2016	10:05:12,56	46,1333	11,1856	4,63	0,8		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	i	c	2	10:05:15.20	14,7	129				107						0				0,7
GAGG	i	c	2	10:05:15.79	18,4	252				104						-0,01				0,7
DOSS	i	c	2	10:05:17.42	28,2	180				99						-0,01				0,9
ZIAN	i	c	1	10:05:18.28	33,2	61				98						0				0,7

05/09/2016	10:06:41,36	46,1398	11,1816	4,66	1,2		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	10:06:44.13	15,4	130				107						0,01			1,4	
GAGG	i	c	1	10:06:44.59	18,4	250				104						-0,01			1,2	
DOSS	i	c	2	10:06:46.33	28,9	179				99						-0,04			1,2	
ZIAN	e		1	10:06:47.11	33,1	63				98						0,03			1	

QUATERLY BULLETTIN *July-September 2016*

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				

05/09/2016	14:10:44,58	,	,											0	RONC					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RONC	i	c	0	14:10:44.58			45,24	2							25					

05/09/2016	16:55:14,78	,	,											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	d	1	16:55:14.78			15,78	1							33					

05/09/2016	18:43:46,76	,	,											10	PERUGIA	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	i	c	2	18:43:46.76			87,34	3							191					
DOSS			3	18:43:46.87			87,24	3							187					
PANI			3	18:43:48.72			90,96	3							188					
RONC			2	18:43:49.75			94,64	3							189					
GAGG			3	18:43:50.09			94,39	3							187					
ZIAN			2	18:43:50.26			92,8	3							192					
OZOL			3	18:43:53.99			101,7	3							187					
CARE			3	18:43:56.13											185					

05/09/2016	20:00:33,03	,	,											10	MACERATA			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	20:00:33.03			73,36	3							223					
DOSS			3	20:00:33.49											217					
PANI			3	20:00:34.73											219					
ZIAN			2	20:00:36.05			78,35	3							224					
RONC			3	20:00:37.11											219					
GAGG			3	20:00:37.27											217					
OZOL			3	20:00:39.81			86,43	3							218					
CARE			3	20:00:42.62											209					

05/09/2016	21:37:08,95	,	,											10	RIETI			M 3.5(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	21:37:08.95			50,93	3							247					
DOSS			3	21:37:09.09			51,5	3							240					
PANI			3	21:37:11.17			54,55	3							244					
ZIAN	e	c	1	21:37:12.01			56,72	3							249					
RONC	e	c	2	21:37:12.46			58,32	2							248					
GAGG			3	21:37:12.65			58,12	3							242					
OZOL			2	21:37:15.74			64,26	3							242					
CARE			3	21:37:18.47			69,25	3							233					

06/09/2016	00:19:08,85	,	,											10	RIETI	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	e	c	2	00:19:08.85			51,65	3							223					
DOSS			3	00:19:09.12			53,2	3							221					
ZIAN	i	c	2	00:19:11.95			58,32	3							223					
RONC			3	00:19:12.22			58,28	3							221					
GAGG			3	00:19:12.52			57,86	3							219					
OZOL			3	00:19:15.63			63,95	3							218					
CARE			3	00:19:17.89																

QUATERLY BULLETTIN July-September 2016

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				

06/09/2016	09:57:22,29	,	,												10	PERUGIA	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		09:57:22.29			63,7	3							200					
DOSS		3		09:57:22.77											195					
PANI		3		09:57:23.75			66,89	3							198					
GAGG		3		09:57:25.89			70,82	3							195					
RONC		3		09:57:26.41			70,02	3							198					
OZOL		3		09:57:29.61			77,66	3							195					
CARE		3		09:57:31.90											192					

06/09/2016	11:39:32,18	,	,												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	11:39:32.18			33,73	1							30					

06/09/2016	12:31:49,75	,	,											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	12:31:49.76			51,33	0							30					

06/09/2016	13:33:16,87	,	,											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	2	13:33:16.87			18,1	2							31					

06/09/2016	15:29:24,07	46,1358	11,1794	0,59	1,3		0	0	0,4	90	0	0,4	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	i	c	1	15:29:26.63	15,3	128				92						-0,05			1,3	
GAGG	e	c	1	15:29:27.18	18	251				92						0,03			1,2	
DOSS	e	c	1	15:29:28.84	28,4	179				91						-0,09			1,2	
OZOL	e		2	15:29:29.52	31,3	342				91						0,09			1,3	
ZIAN	e		2	15:29:29.71	33,5	62				91						-0,08			1,1	
VARA	e		2	15:29:31.17	40,8	212				91						0,12			0	
CARE	e		2	15:29:32.43	49,1	311				91						-0,03			1,8	

06/09/2016	20:53:34.78	,	,											10	MACERATA				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		20:53:34.78			75,14	3							206					
DOSS		3		20:53:35.19											201					
PANI		3		20:53:36.30			79,15	3							204					
ZIAN		3		20:53:37.84			83,26	3							204					
RONC		3		20:53:39.48											204					
GAGG		3		20:53:39.85											202					
OZOL		3		20:53:41.80			88,87	3							201					
CARE		3		20:53:44.50											198					

QUATERLY BULLETTIN *July-September 2016*

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				

07/09/2016	00:05:06,39	,	,											10	RIETI	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	00:05:06.39			48,4	3							207					
VARA	e	d	2	00:05:06.52			47,73	2							212					
PANI	e	d	2	00:05:07.88			50,55	3							211					
GAGG			3	00:05:09.93			53,61	2							208					
ZIAN	i	d	1	00:05:10.01			53,52	2							212					
RONC	e	d	2	00:05:10.16			54,01	2							210					
OZOL			2	00:05:13.67			61,43	2							210					
CARE			3	00:05:15.98			63,5	3							206					

07/09/2016	05:09:43,25	,	,											10	ASCOLI PICENO				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	d	1	05:09:43.25			84,58	2							243							
DOSS			3	05:09:43.60			83,26	3							239							
PANI	e	d	2	05:09:44.80			86,98	3							241							
ZIAN			3	05:09:46.57			90,07	3							243							
GAGG			3	05:09:46.64			90,87	3							241							
RONC	e	d	1	05:09:46.76			92,19	2							241							
OZOL	e	d	1	05:09:50.06			98,23	2							238							
CARE			3	05:09:52.69			100,3	3							240							

07/09/2016	08:33:43,68	46,4261	10,7738	11,88	1,2		0	0	0,7	90	0	0,7	B	0,24	0	RABBI (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	i	c	1	08:33:46.22	5,9	268	47,77	2	154							0,27		0,06	0	
OZOL	i	c	2	08:33:47.89	21,5	97	50,85	2	119							0,01		-0,31	1,1	
GAGG	e		2	08:33:51.23	40,7	159	56,77	3	106							0,31		0,2	1,2	
RONC	e		2	08:33:52.67	50,9	193			103							0,06			1	

07/09/2016	08:34:00,15	,	,											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	08:34:00.15			1,71	1							42					
OZOL	i	c	1	08:34:01.82			4,71	2							43					

07/09/2016	09:01:13,71	45,7733	10,1278	21,73	1,7		0	0	1,4	90	0	1,4	C	0,15	0	PISOGNE (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	
RONC	e		2	09:01:22.43	44,8	59				116						0,2			1,8		

07/09/2016	10:15:48,00	46,1281	11,1876	5,75	1,1		0	0	0,5	90	0	0,5	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	e	c	1	10:15:50.63	14,3	127				112						0			1	
GAGG	e	d	2	10:15:51.26	18,4	254				107						-0,03			0,9	
DOSS	e		2	10:15:52.85	27,6	180				102						0,03			1,1	
ZIAN	e		2	10:15:53.68	33,3	60				100						-0,1			1	

QUATERLY BULLETTIN July-September 2016

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			

07/09/2016	13:17:01,62	,	,											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	13:17:01.62			3,17	1							45					
OZOL	i	c	2	13:17:03.27			6,15	1							46					

07/09/2016	14:21:09,03	46,1250	11,2315	3,81	1		0	0	0,3	90	0	0,3	C	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	e	c	1	14:21:11.11	11,5	136				108						0			0,9	
GAGG	e	c	1	14:21:12.77	21,6	258				100						-0,02			0,8	
DOSS	i	c	1	14:21:13.77	27,4	187				98						0			0,9	
ZIAN	e		2	14:21:14.31	30,6	57				97						-0,01			1	

07/09/2016	16:06:00,38	45,7940	10,9816	13,41	1,2		0	0	0,4	90	0	0,4	B	0,15	0	BRENTONICO (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	16:06:03.35	7,5	298	5,48	2	151							0,34		0,42	0,9		
DOSS	e		2	16:06:04.32	18,7	59	7,25	2	126							0		-0,14	1,4		
GAGG	e		1	16:06:06.38	32,2	357	10,84	2	113							0,03		-0,16	1		
RONC	i	c	2	16:06:06.73	34,7	307	11,47	3	111							-0,02		-0,24	1		
PANI	i	d	1	16:06:07.61	39,6	44	13,03	3	109							0,09		-0,06	1,3		
ZIAN	i	c	2	16:06:12.53	70	40			101							-0,04			1,5		
CARE	e		2	16:06:13.19	73,5	343			100							0,05			0		

07/09/2016	18:14:22.87	,	,											10	ASCOLI PICENO	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
VARA	i	c	2	18:14:22.87											200					
DOSS			3	18:14:23.01											201					
PANI			3	18:14:24.04											200					
ZIAN	i	c	2	18:14:25.70			71,09	3							201					
GAGG			3	18:14:26.48			71,6	3							201					
OZOL	e	c	2	18:14:29.61			77,79	3							200					
CARE			3	18:14:31.90											198					

07/09/2016	20:31:11,35	,	,											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	20:31:11.35			12,89	1							24					

07/09/2016	20:31:39,27	,	,											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	i	d	0	20:31:39.27			40,05	1							32					

08/09/2016	00:32:44,63	45,6575	10,9521	17,53	0,8		0	0	1,4	90	0	1,4	C	0,17	0	DOLCE' (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	00:32:49.27	19,2	347	52,82	2	132							0,19		0,28	1,4		
DOSS	e		2	00:32:50.84	30,8	37	55,17	2	120							0,15		-0,25	0,8		

QUATERLY BULLETTIN July-September 2016

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			

08/09/2016	05:22:00,17	45,6120	10,1246	2,34	1,4		0	0	0,3	90	0	0,3	C	0,03	0	GUSSAGO (BS)	
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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
RONC	e		2	05:22:09.81	56,4	43				92						0			1,4	

08/09/2016	06:06:52,18	,	,											0	OZOL		
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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
OZOL	i	d	1	06:06:52.18			53,37	1							34					

08/09/2016	06:26:47,49	,	,											10	MACERATA	M 3.2(I)	
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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		06:26:47.49			86,06	3							213					
DOSS		3		06:26:48.17											209					
PANI		3		06:26:48.57			88,77	3							212					
GAGG		3		06:26:51.33			94,65	3							208					
RONC		3		06:26:53.87											210					
OZOL		3		06:26:54.95			101,4	3							211					
CARE		3		06:26:56.67											208					

08/09/2016	10:09:36,96	46,1348	11,1826	1,48	0,9		0	0	0,3	90	0	0,3	C	0,05	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	1	10:09:39.54	15	128			96							0			0,7	
GAGG	i	c	1	10:09:40.05	18,2	252			95							-0,04			0,7	
DOSS	e		2	10:09:41.74	28,3	179			93							-0,07			0,9	
ZIAN	i	c	1	10:09:42.64	33,3	62			93							-0,02			0,9	
VARA	e		2	10:09:44.06	40,9	213			92							0,11			1,1	

08/09/2016	10:15:14,98	46,1246	11,1896	5,57	1		0	0	0,7	90	0	0,7	C	0,09	2	FORNACE (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	1	10:15:17.64	13,9	126			112							0,1			1	
GAGG	i	c	1	10:15:18.14	18,4	256			107							-0,14			1	
DOSS	i	c	2	10:15:19.80	27,2	180			102							0,07			1,1	
ZIAN	i	c	1	10:15:20.72	33,4	60			99							-0,05			0,8	
OZOL	e		2	10:15:20.84	32,8	341			100							0,18			1	

08/09/2016	17:34:21,27	,	,											10	SLOVENIA	DOUBLE EV. M 3.0(I)	
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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	i	d	2	17:34:21.27																
PANI	e	d	2	17:34:23.04																
DOSS	e	d	2	17:34:24.75																
OZOL	e	d	2	17:34:26.05																
GAGG			2	17:34:26.83																
VARA			2	17:34:27.42																

08/09/2016	20:24:45,71	,	,											0	CARE		
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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
CARE	i	c	0	20:24:45.71			47,26	1							14					

QUATERLY BULLETTIN *July-September 2016*

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				

08/09/2016	20:24:58,80	46,4318	10,7795	11,41	0,9		0	0	0,7	90	0	0,7	B	0,16	0	RABBI (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	i	c	1	20:25:01.24	6,4	263	2,82	1	151							0,21		0,04	0	
OZOL	i	c	1	20:25:02.91	21,2	99	5,82	2	118							0		-0,3	0,7	
GAGG	e		2	20:25:06.23	41,1	160	11,79	2	106							0,14		0,01	1	

08/09/2016	20:25:26,15	,	,											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	20:25:26.15			27,7	1							30					

08/09/2016	20:51:11,43	46,4413	10,7883	10,81	0,9		0	0	0,9	90	0	0,9	C	0,17	0	RABBI (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	i	c	1	20:51:13.86	7,2	255	15,43	1	146							0,21		0,04	0	
OZOL	i	c	1	20:51:15.52	20,7	102	18,46	2	118							0,1		-0,07	0,8	
GAGG	e		2	20:51:19.01	41,9	162	24,41	2	104							0,19		-0,18	0	
RONC	e		2	20:51:20.69	52,8	194			102							0,06			1,1	

09/09/2016	00:51:29,23	,	,											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	00:51:29.23			30,81	1							32					

09/09/2016	04:18:16,79	,	,											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	c	1	04:18:16.79			18,34	1							34					

09/09/2016	05:46:02,62	,	,											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	05:46:02.62			4,17	1							28					

09/09/2016	15:49:23,77	46,1331	11,1851		6,16	1,1		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	2	15:49:26.48	14,8	128				113						-0,02			1		
GAGG	e	c	2	15:49:27.05	18,4	252				109						-0,03			1		
DOSS	i	c	2	15:49:28.69	28,2	179				102						-0,01			1		
ZIAN	e	c	2	15:49:29.52	33,2	61				100						-0,03			1,1		
CARE	e		1	15:49:32.30	49,6	311				97						-0,02			1,6		

QUATERLY BULLETTIN *July-September 2016*

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				

10/09/2016	02:30:35,36	,	,											10	ASCOLI PICENO				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	e	c	2	02:30:35.36			76,99	3							190							
DOSS			3	02:30:35.39											183							
PANI			3	02:30:36.60			77,92	3							185							
ZIAN			3	02:30:38.19											190							
GAGG			3	02:30:39.17			82,44	3							182							
RONC			3	02:30:39.47			85	3							187							
OZOL			2	02:30:41.83			90,65	3							183							
CARE			3	02:30:45.31											182							

10/09/2016	11:34:11,44	45,7506	11,0996	7,58	0,7		0	0	0,6	90	0	0,6	B	0,11	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	i	c	1	11:34:14.60	16	26	16,94	2	115							0,14		0,13	0,5		
GAGG	e		2	11:34:18.09	38,6	344	23,09	3	101							-0,07		-0,31	1,2		

10/09/2016	14:24:30,31	,	,											10	MACERATA				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	14:24:30.31			69,65	3							219							
DOSS			3	14:24:30.51											214							
PANI			3	14:24:31.32			71,34	3							217							
ZIAN			2	14:24:33.42			75,51	3							221							
GAGG			3	14:24:33.84											217							
RONC			3	14:24:34.83											218							
OZOL			2	14:24:37.14			84,88	3							215							
CARE			3	14:24:39.73											214							

10/09/2016	15:14:09,02	,	,											10	CRED. RUBBIANO (CR)				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		
RONC	i	c	0	15:14:09.02			21,23	1							230							
VARA	e	c	2	15:14:09.57			23,76	2							231							
GAGG	e	c	1	15:14:12.11			28,51	2							228							
DOSS	i	c	0	15:14:12.48			28,89	1							226							
CARE	i	c	1	15:14:14.32			31,25	1							227							
PANI	i	c	1	15:14:15.00			33,51	1							228							
OZOL	e	c	1	15:14:16.37			36,21	1							228							
ZIAN	i	c	0	15:14:18.76			41,89	1							231							

10/09/2016	17:00:58,67	,	,											10	ASCOLI PICENO				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	17:00:58.67			100,4	3							216							
VARA			2	17:00:58.99			99,1	3							218							
PANI	e	c	2	17:01:00.07			40,98	2							216							
ZIAN	i	c	2	17:01:02.16			44,31	3							218							
RONC	e	c	2	17:01:02.68			47,68	3							215							
GAGG			3	17:01:02.80			46,18	3							217							
OZOL	e	c	2	17:01:05.74			51,67	3							216							
CARE	e	c	2	17:01:08.44			55,58	3							212							

QUATERLY BULLETTIN *July-September 2016*

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				

11/09/2016	00:12:32,91	,	,											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	00:12:32.91			34,46	1							27					

11/09/2016	01:48:39,90	46,0520	10,5733	2,78	0,7		0	0	0,4	90	0	0,4	B	0,09	0	SELLA GIUDICAR. (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
RONC	e		2	01:48:41.44	8,8	154	42,65	2	108							-0,05		-0,07	0,4	
GAGG	e		2	01:48:45.20	30	83	49,13	2	95							0,14		0,05	0	
CARE	e		2	01:48:47.33	42,5	13	52,71	2	94							0,14		-0,16	1,5	

11/09/2016	06:43:08,77	45,8341	11,0298	14,41	3		0	0	0,4	90	0	0,4	B	0,25	0	ROVERETO (TN)				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	i	d	1	06:43:12.15	10,4	265	14,37	2	144							0,34		0,19	2,4		
DOSS	i	c	1	06:43:12.39	13,4	68	14,7	2	137							0,26		-0,05	3,1		
GAGG	i	d	1	06:43:14.31	28,3	349	18,17	2	117							0,11		-0,26	3,3		
PANI	e		1	06:43:15.20	33,8	44	19,57	2	113							0,15		-0,37	3,6		
RONC	e	c	2	06:43:15.27	35,5	297	20,74	2	112							-0,06		0,3	2,8		
OZOL	e	d	1	06:43:19.86	63,3	2			103							-0,01			2,9		
ZIAN	e	d	2	06:43:19.97	64,2	40			103							-0,05			3,3		
CARE	i	d	2	06:43:21.10	70,5	339			102							0,03			1,8		

11/09/2016	12:37:38,81	,	,											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
RONC			3	12:37:38.81																
CARE			3	12:37:38.90																
OZOL			3	12:37:47.24																
VARA			3	12:37:47.90																
GAGG			3	12:37:48.33																
PANI			3	12:37:49.41																
ZIAN			3	12:37:51.69																
DOSS			3	12:37:54.05																

11/09/2016	16:45:23,81	,	,											0	RONC							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
RONC			2	16:45:23.81			25,22	1							34							

11/09/2016	18:39:59,36	,	,											10	RIETI			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	e	c	2	18:39:59.36											220					
VARA	e	c	2	18:39:59.99			103,2	3							224					
PANI	e	c	3	18:40:01.01			45,31	3							221					
ZIAN	i	c	1	18:40:03.22			48,09	3							224					
GAGG	e	c	2	18:40:03.28			48,84	3							220					
RONC	e	c	2	18:40:03.74			50,37	3							220					
OZOL			2	18:40:06.90											220					
CARE			3	18:40:09.21			59,72	3							220					

QUATERLY BULLETTIN *July-September 2016*

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			

12/09/2016	06:46:07,60	45,4866	10,3063	9,02	1,3		0	0	2,29	90	0	2,29	C	0,14	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
RONC	e		2	06:46:18.08	60,2	24				99						0,07			1,3	

12/09/2016	10:26:18,02	,	,											10	RAVENNA	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	10:26:18.02			41,97	3							144					
VARA			3	10:26:18.21			43,92	3							146					
PANI			3	10:26:19.81			41,96	2							144					
GAGG			3	10:26:21.59											144					
RONC			3	10:26:22.49			51,26	3							145					
ZIAN			3	10:26:22.73			46,51	3							148					
OZOL			3	10:26:26.27			53,12	2							144					

12/09/2016	10:52:29,95	,	,											10	FORLI'-CESENA				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	10:52:29.95			54,49	3							150							
VARA			3	10:52:30.11			55,45	3							154							
PANI			3	10:52:31.87			53,83	2							151							
GAGG			3	10:52:33.82			61,84	3							148							
RONC			3	10:52:34.35			61,68	3							153							
ZIAN			3	10:52:34.65			58,03	2							154							
OZOL			3	10:52:38.17			64,78	3							149							
CARE			3	10:52:39.52			67,57	3							150							

12/09/2016	16:33:28,42	,	,											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	16:33:28.42			29,84	1							32					

12/09/2016	18:38:48,82	,	,											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	18:38:48.82			50,38	1												

12/09/2016	19:11:54,54	,	,											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	19:11:54.54			56,1	1							32					

12/09/2016	20:32:35,44	45,7371	10,9845	7,99	2,3		0	0	0,3	90	0	0,3	B	0,19	0	ALA (TN)			M 2.9(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	d	1	20:32:38.20	12	325	40,18	2	124							0,28		0,35	2,7		
DOSS	i	c	1	20:32:39.75	22,5	45	42,64	2	110							0,23		-0,06	2,6		
GAGG	e	d	2	20:32:42.23	38,6	357	47,4	2	102							0,06		-0,02	2,5		
RONC	e	d	2	20:32:42.23	39	314	47,42	2	102							-0,02		-0,14	2,3		
PANI	e		2	20:32:43.24	44,2	38	48,66	3	100							0,12		-0,45	2,3		
OZOL	e	c	2	20:32:48.29	74,2	4			96							0,09			2,4		
ZIAN	e	d	1	20:32:48.31	74,8	37			96							0			2,6		
CARE	e		2	20:32:49.02	79,6	344			96							-0,09			0		

QUATERLY BULLETTIN *July-September 2016*

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				

13/09/2016	07:30:09,06	,	,											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	07:30:09.06			10,61	1							31					

13/09/2016	10:01:48,26	46,1428	11,1858		7	1,1		0	0	0	90	0	0	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	1	10:01:51.16	15,4	132				114						0			1		
GAGG	e	c	2	10:01:51.67	18,8	249				110						-0,02			0,9		
DOSS	e	c	2	10:01:53.38	29,2	180				103						-0,02			1,1		

13/09/2016	11:05:18,07	,	,											10	RIETI				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		
DOSS			3	11:05:18.07			59,01	3							229							
VARA	e	c	2	11:05:18.23			59,3	2							233							
PANI	e	c	2	11:05:19.52			62,65	2							230							
GAGG			2	11:05:21.36			65,49	3							229							
RONC	e	c	2	11:05:21.81			66,63	3							230							
ZIAN	e	c	2	11:05:21.85			67,32	3							234							
OZOL			2	11:05:25.40			74,47	3							228							
CARE			2	11:05:27.69			77,77	3							226							

13/09/2016	13:33:20,70	46,4395	10,0635	7	2,1		0	0	1,2	90	0	1,2	C	0,31	0	FORCA LIVIGNO (SO)		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
CARE	e	c	2	13:33:29.31	48,7	92	35,2	2	98							0,19		-0,48	1,6	
RONC	e		2	13:33:32.29	66,8	140			96							0,11			2,2	
OZOL	e		2	13:33:34.07	76,1	93			95							0,31			2,1	
GAGG	e		2	13:33:34.40	79,6	120			95							0,05			2,4	

14/09/2016	03:08:40,35	,	,											10	RIETI				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	03:08:40.35			81,71	3							195							
VARA			2	03:08:40.66			80,5	2							201							
PANI			2	03:08:41.94			84,27	3							196							
ZIAN			2	03:08:43.97			87,16	3							200							
GAGG			3	03:08:44.37			87,37	3							194							
RONC			3	03:08:44.40			87,82	3							198							
OZOL			3	03:08:47.76			95,72	3							193							
CARE			3	03:08:50.16											196							

14/09/2016	09:14:05,49	45,5058	10,2446	9,66	1,7		0	0	2,2	90	0	2,2	C	0,18	0	BRESCIA			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
RONC	e		2	09:14:15.93	60,4	29			99							-0,02			1,5	
VARA	e		2	09:14:16.73	62	55			99							0,51			0	
DOSS	e		2	09:14:19.80	84,5	61			97							-0,22			1,6	

QUATERLY BULLETTIN *July-September 2016*

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			

14/09/2016	10:08:38,35	46,1448	11,1788	2,91	0,9		0	0	0,1	90	0	0,1	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	2	10:08:41.12	16	131				100						0			1	
GAGG	e	c	2	10:08:41.52	18,3	248				99						0			0,8	
DOSS	e		2	10:08:43.40	29,4	179				96						-0,01			0,9	
ZIAN	e		2	10:08:44.02	33,1	64				95						0			1	

14/09/2016	15:22:18,09	46,1378	11,1805	4,4	1		0	0	0,2	90	0	0,2	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	1	15:22:20.82	15,4	129				106						0			0,9	
GAGG	e		1	15:22:21.25	18,2	251				104						-0,04			0,9	
DOSS	e		2	15:22:23.05	28,7	179				99						0			1,1	
OZOL	e		2	15:22:23.47	31,1	341				98						0,01			1,1	

14/09/2016	17:32:39,29	45,7838	10,7640	11,59	0,6		0	0	0,3	90	0	0,3	B	0,06	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		1	17:32:42.15	11,3	66	44,2	2	136							0,08		-0,03	0		
RONC	e		1	17:32:43.83	24,5	333	47,5	2	115							-0,1		-0,04	0,8		

15/09/2016	02:26:41,75	46,3911	10,8554	8,56	1		0	0	0,5	90	0	0,5	C	0,18	0	RABBI (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	i	d	1	02:26:44.56	12,7	287	46,36	2	124							0,2		-0,05	1,2		
OZOL	i	d	1	02:26:44.77	15,2	85	47,13	2	119							0,05		0,09	0,9		
GAGG	e		2	02:26:48.14	35,1	167	52,84	2	104							0,22		0,1	0		
RONC	e		2	02:26:50.24	49	201	56,7	3	100							-0,01		-0,19	1		

15/09/2016	14:41:48,62	,	,												10	PERUGIA	M 3.7(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	14:41:48.62																
PANI			3	14:41:49.18																
DOSS			3	14:41:49.76																
GAGG			3	14:41:51.49																
RONC			3	14:41:52.13																
OZOL			3	14:41:55.45																
CARE	i	c	3	14:41:57.56																

15/09/2016	14:44:47,59	,	,											10	PERUGIA	DOUBLE EV. M 3,7(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	14:44:47.59																
DOSS			3	14:44:48.24																
PANI			3	14:44:49.86																
RONC			2	14:44:51.26																
GAGG			3	14:44:51.49			97,19	3												
OZOL			3	14:44:54.86																
CARE			3	14:44:57.13			89,4	3												

QUATERLY BULLETTIN *July-September 2016*

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			

15/09/2016	16:17:40,61	46,1338	11,1843	5,13	1,2		0	0	0,4	90	0	0,4	C	0,11	2	ALBIANO (TN)			EXPL? 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
PANI	i	c	1	16:17:43.28	14,9	128				109						-0,03			1,3	
GAGG	e	c	1	16:17:43.85	18,3	252				106						-0,03			1	
DOSS	i	c	1	16:17:45.49	28,2	179				100						-0,04			1,2	
OZOL	e		2	16:17:46.04	31,6	341				99						-0,06			1,1	
ZIAN	i	c	1	16:17:46.36	33,2	62				99						-0,01			1	
VARA	e		2	16:17:47.84	40,9	213				97						0,18			0	
CARE	e		2	16:17:49.15	49,5	311				96						0,02			1,7	

15/09/2016	17:28:49,04	,	,											10	PERUGIA	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	17:28:49.04											192					
VARA			2	17:28:49.52			90,43	3							200					
PANI			3	17:28:51.07			93,44	3							195					
GAGG			2	17:28:52.50			97,73	3							192					
RONC	i	c	2	17:28:52.82			98,3	3							197					
ZIAN			3	17:28:53.00			96,96	3							199					
OZOL			2	17:28:56.78			103,7	3							193					
CARE	i	c	2	17:28:58.64											190					

15/09/2016	17:51:54,41	,	,											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
CARE			3	17:51:54.41			62,55	3							93					
RONC			3	17:51:57.22											94					
OZOL			2	17:51:59.83			71,23	3							92					
VARA			3	17:52:01.35											95					

16/09/2016	06:29:34,30	,	,											10	CONF. ITALIA-AUSTRIA			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
OZOL			3	06:29:34.30			47,88	2							159					
ZIAN			3	06:29:34.58			48,69	3							155					
CARE			3	06:29:35.60			50,71	2							160					
PANI			2	06:29:39.03			56,36	2							157					
GAGG			3	06:29:40.01			57,6	1							157					
DOSS			2	06:29:42.44			62,17	1							158					
RONC			3	06:29:42.95			63,63	3							156					
VARA			3	06:29:44.56			65,83	2							156					

16/09/2016	14:28:54,10	45,6200	10,4456	7,35	0,9		0	0	4,5	90	0	4,5	C	0,27	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	
RONC	e		2	14:29:01.21	42,4	19				100						-0,24			1		

QUATERLY BULLETTIN *July-September 2016*

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			

16/09/2016	16:16:04,37	,	,											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	16:16:04.37			35,32	3							158					
PANI	i	d	1	16:16:05.78			38,46	3							154					
DOSS	e	d	2	16:16:07.41			43,92	3							150					
OZOL			3	16:16:09.32			48,36	3							151					
GAGG			3	16:16:09.59			49,65	3							151					
VARA			2	16:16:10.29			51,43	3							155					
CARE			3	16:16:12.38			55,35	3							149					
RONC			3	16:16:13.06			57,7	3							154					

16/09/2016	20:15:54.93	,	,											10	LUSEVERA (UD)				M 2.8(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			3	20:15:54.93			73,17	3							132							
PANI	e	d	2	20:15:58.59			78,58	1							127							
DOSS	i	d	2	20:16:00.64			21,65	2							126							
OZOL	e	d	2	20:16:01.46			23,51	1							126							
GAGG			3	20:16:02.24			24,97	2							125							
VARA			3	20:16:03.42			28,27	2							129							
CARE			3	20:16:05.13			29,78	2							124							
RONC			3	20:16:07.58			32,78	2							126							

16/09/2016	21:57:58,16	,	,											10	ASCOLI PICENO				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	21:57:58.16			99,88	3							190							
DOSS			3	21:57:58.30											189							
PANI			3	21:57:59.49			100,9	3							190							
ZIAN			3	21:58:01.25			44,02	3							191							
GAGG			3	21:58:02.10											188							
RONC			3	21:58:02.32			47,15	3							188							
OZOL			3	21:58:05.01			54,25	3							190							
CARE			3	21:58:07.93											186							

16/09/2016	22:00:09,18	45,8425	10,9391		3,7	0,6		0	0	0,3	90	0	0,3	B	0,09	0	BRENTONICO (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	22:00:09.99	3,8	241	10,88	2	134							-0,09		0,09	0,5	
DOSS	e		2	22:00:12.60	19,8	78	15,42	2	101							-0,02		0,11	0	
GAGG	e		2	22:00:13.91	26,8	3	17,54	3	98							0,1		0,12	0	

16/09/2016	22:39:52,78	,	,											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	c	1	22:39:52.78			53,64	1								30				

QUATERLY BULLETTIN *July-September 2016*

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				

17/09/2016	07:36:17,11	,	,											10	ASCOLI PICENO				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		07:36:17.11			56,9	2							227							
DOSS		3		07:36:17.93			56,13	3							223							
ZIAN		3		07:36:20.41			62,33	3							229							
RONC		2		07:36:20.88			66,27	3							224							
GAGG		2		07:36:20.91			64,2	3							224							
OZOL		2		07:36:23.91			71,45	3							222							
CARE		3		07:36:26.30			71,85	3							220							

17/09/2016	16:59:54,50	45,9825	10,9781	8,05	0,5		0	0	0,5	90	0	0,5	B	0,09	0	CAVEDINE (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	d	1	16:59:56.86	11,3	352	58,81	2	125							-0,02		0,08	0		
VARA	e		2	16:59:57.85	18,5	200	60,87	2	114							-0,11		0,22	0,9		
DOSS	e		2	16:59:58.21	19,9	125	61,01	2	112							0,03		-0,03	0,7		

17/09/2016	21:26:27,07	46,0195	10,4328	1,3	0,8		0	0	0,5	90	0	0,5	C	0,07	0	CAPO DI PONTE (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	
RONC	e		2	21:26:29.76	15,3	106	31,71	2	95							0,06		-0,04	1		
GAGG	e		2	21:26:34.32	41,3	80	39,62	2	92							0,18		-0,03	1,2		

17/09/2016	23:27:56,55	46,4261	10,6910	5,2	0,1		0	0	1,1	90	0	1,1	C	0,1	0	PEJO (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	i	d	1	23:27:57.43	0,5	111	58,17	2	174							-0,01		0,03	-0,1	0	
GAGG	e		2	23:28:03.98	43,3	152	9,73	3	97							-0,03		-0,1	0		

18/09/2016	01:56:33,26	,	,											10	RIETI			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
DOSS	e	c	2	01:56:33.26			75,01	3							197					
VARA	e	c	1	01:56:33.38			75,49	1							202					
PANI	e	c	2	01:56:34.67			78,24	2							200					
ZIAN			2	01:56:36.59			81,91	3							201					
RONC	e	c	2	01:56:36.68			83,06	3							200					
GAGG	e	c	3	01:56:36.71			81,61	3							198					
OZOL	e	c	2	01:56:40.36			89,23	2							199					
CARE	e	c	2	01:56:42.78			92,4	3							197					

18/09/2016	03:52:45,49	,	,											10	ASCOLI PICENO			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		03:52:45.49			86,6	2								198				
DOSS		2		03:52:45.76			85,09	3								195				
PANI		3		03:52:46.81			88,31	3								196				
ZIAN		2		03:52:48.88			91,4	3								198				
RONC		3		03:52:49.86			94,16	3								196				
GAGG		3		03:52:50.37			93,16	3								198				
OZOL		2		03:52:52.52			100,5	3								199				
CARE		3		03:52:55.38												194				

QUATERLY BULLETTIN *July-September 2016*

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			

18/09/2016	11:59:53,16	46,5816	12,3321	11,55	1,1		0	0	0,6	90	0	0,6	B	0,19	0	AURONZO CADORE (BL)				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	
ZIAN	e		2	12:00:04.80	68,2	240				100						-0,17			1,4		

18/09/2016	13:49:47,45	45,8316	11,7093	9,73	1,7		0	0	0,4	90	0	0,4	B	0,17	0	BASSANO GRAPPA (VI)	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	i	d	1	13:49:54.21	37,9	310	59,24	2	104							0,07		-0,11	1,9	
ZIAN	i	d	2	13:49:56.42	50,7	347			101							0,15			1,9	
VARA	e		2	13:49:58.29	63,2	269			99							-0,08			0	

18/09/2016	21:54:23,75	,	,											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	21:54:23.75			24,49	1							28					

18/09/2016	23:14:43,05	,	,											0	RONC					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RONC			1	23:14:43.05			44,09	1							29					

18/09/2016	23:29:24,49	45,8330	11,7104	10,32	1,5		0	0	0,3	90	0	0,3	B	0,1	0	BASSANO GRAPPA (VI)				M 2.5(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	
PANI	e		1	23:29:31.23	37,9	310	36,22	2	105							0,03		-0,21	1,6		
ZIAN	e	d	2	23:29:33.43	50,6	347			102							0,12			1,8		
VARA	e		2	23:29:35.44	63,3	269			99							0			0		

18/09/2016	23:40:18,00	,	,											0	RONC					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RONC			2	23:40:18.00			19,04	1							32					

19/09/2016	00:20:26,38	45,8376	11,7068	10,6	1,5		0	0	0,3	90	0	0,3	B	0,15	0	MONTE GRAPPA (VI)			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	e	d	2	00:20:33.16	37,3	309	38,06	2	106							0,15		-0,13	1,5	
DOSS	e		2	00:20:33.44	40,5	277	38,58	3	105							-0,1		-0,54	1,4	
ZIAN	e	d	2	00:20:35.36	50	347	41,74	2	102							0,24		-0,2	1,7	
VARA	e		2	00:20:37.33	63	269			100							0,03			1,6	
GAGG	e		1	00:20:37.54	64,1	295			99							0,05			1,6	
OZOL	e		2	00:20:40.54	80,7	321			97							0,24			1,6	
RONC	e		2	00:20:41.17	85,6	281			97							0,04			1,6	
CARE	e		2	00:20:43.86	101,7	310			96							0			2,2	

QUATERLY BULLETTIN July-September 2016

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			

19/09/2016	00:21:40,61	45,8296	11,7046	9,85	1,7		0	0	0,3	90	0	0,3	B	0,15	0	BASSANO GRAPPA (VI)				M 2.5(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	
PANI	e		2	00:21:47.38	37,8	311	52,45	2	105							0,09		-0,04	1,7		
DOSS	i	c	1	00:21:47.65	40,5	278	53,17	3	104							-0,08		-0,12	1,8		
ZIAN	e	d	2	00:21:49.59	50,8	348			101							0,12			1,9		
VARA	e		2	00:21:51.57	62,8	270			99							0,09			1,6		
GAGG	e		2	00:21:51.66	64,4	296			99							-0,08			2		
OZOL	e		2	00:21:54.76	81,3	322			97							0,14			1,9		
RONC	e		2	00:21:55.18	85,6	281			97							-0,17			1,9		

19/09/2016	10:04:23,09	46,1438	11,2081	2,9	1		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	2	10:04:25.57	14,2	137				102						0			1	
GAGG	i	c	2	10:04:26.61	20,4	251				98						-0,01			1	
DOSS	e		2	10:04:28.12	29,4	183				96						-0,01			0,9	
ZIAN	e		2	10:04:28.43	31,1	62				95						0			0,9	

19/09/2016	10:22:21,01	46,1348	11,1766	3,31	1,4		0	0	0,5	90	0	0,5	C	0,13	2	ALBIANO (TN)			EXPL? 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
PANI	i	c	2	10:22:23.65	15,4	127				102						-0,05			1,5	
GAGG	i	c	2	10:22:24.16	17,8	251				101						0,06			1,4	
DOSS	i	c	1	10:22:25.83	28,3	178				97						-0,05			1,4	
OZOL	e		2	10:22:26.43	31,4	342				96						0,03			1,4	
ZIAN	i	c	1	10:22:26.74	33,7	62				96						-0,06			1,2	
VARA	e	c	2	10:22:28.13	40,6	212				95						0,16			1,4	

19/09/2016	14:53:41,37	46,1245	11,2180	4,42	0,9		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	1	14:53:43.60	12,2	132				110						0,02			1	
GAGG	i	c	2	14:53:44.91	20,6	257				102						-0,05			0,8	
DOSS	e		2	14:53:46.12	27,3	185				99						0,03			0,7	
OZOL	e		2	14:53:47.18	33,5	338				98						0,03			0,9	

19/09/2016	16:50:52.97	,	,											10	RIETI				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	e	d	2	16:50:52.97			95,18	2							188							
DOSS	e	d	2	16:50:53.07			95,38	3							191							
ZIAN			3	16:50:56.36			101,6	3							189							
GAGG	i	d	3	16:50:56.40			101,9	3							190							
RONC			3	16:50:56.81			102,2	2							187							
OZOL			2	16:51:00.00			48,91	3							188							

19/09/2016	22:44:36,83	45,7816	11,0438	11,47	0,7		0	0	0,4	90	0	0,4	B	0,15	0	ALA (TN)			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	22:44:39.99	12,5	293	42,13	2	133							0,26		0,15	0,6	
DOSS	e		2	22:44:40.38	15,7	46	42,74	2	126							0,23		-0,01	0,5	
GAGG	e		2	22:44:43.17	34,2	349	47,48	2	109							0,17		-0,33	0	

QUATERLY BULLETTIN July-September 2016

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			

19/09/2016	23:35:21,87	,	,											10	RIETI	M 3.7(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	e	c	2	23:35:21.87			64,47	3							247					
VARA	e	c	1	23:35:22.32			64,59	2							248					
PANI	e	c	2	23:35:23.23			67,81	3							247					
ZIAN	e	c	1	23:35:25.48			69,66	3							250					
GAGG			2	23:35:25.54			70,52	3							249					
RONC	e	c	2	23:35:25.75			72,91	3							249					
OZOL			2	23:35:29.09			78,5	3							248					

19/09/2016	23:56:20,77	45,7836	10,9746	12,81	0,6		0	0	0,7	90	0	0,7	B	0,15	0	BRENTONICO (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		1	23:56:23.48	7,7	308	25,62	2	149							0,16		0,31	0	
DOSS	e		2	23:56:24.85	19,8	57	27,87	2	123							0,05		-0,07	0,4	

19/09/2016	23:59:55,31	45,7795	10,9753	13,99	0,6		0	0	0,7	90	0	0,7	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	i	c	2	23:59:58.16	8	310	60,3	2	150							0,09		0,08	0	
DOSS	e		2	23:59:59.63	20	56	62,61	2	125							0,15		-0,13	0,6	

20/09/2016	01:21:50,40	,	,											10	RIETI	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
DOSS	e	d	2	01:21:50.40			90,85	3							208					
VARA	e	d	1	01:21:50.74			93,7	2							208					
PANI	i	d	2	01:21:51.90			96,07	2							206					
ZIAN	i	d	2	01:21:53.89			97,92	3							208					
GAGG			2	01:21:54.19			99,03	3							205					
RONC			2	01:21:54.29			101	2							207					
OZOL	i	d	1	01:21:57.58			106,6	2							204					

20/09/2016	03:24:21,46	45,7048	11,0368	7,66	0,6		0	0	0,4	90	0	0,4	B	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	d	2	03:24:24.83	17,3	321	27,28	2	114							0,13		0,05	0	
DOSS	e	c	2	03:24:25.64	22,8	31	28,9	2	109							0,07		0,13	0,7	

20/09/2016	03:30:57,96	,	,											10	PERUGIA				DOUBLE EV. 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	d	1	03:30:57.96																		
DOSS	e	d	2	03:30:57.97																		
PANI	e	d	2	03:30:58.90																		
ZIAN	e	d	1	03:31:01.00																		
GAGG	e	d	2	03:31:01.46																		
RONC	e	d	2	03:31:01.64																		
OZOL	e	d	1	03:31:04.65																		

20/09/2016	09:21:15,39	45,7026	10,2336	14,17	1,2		0	0	1,6	90	0	1,6	C	0,04	0	TAVERNOLE MELLA (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
RONC	e		2	09:21:23.09	43,2	44				108						-0,07			1,4	

QUATERLY BULLETTIN July-September 2016

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			

20/09/2016	10:58:11,98	46,1396	11,2119	1,02	1,3		0	0	0	90	0	0	C	0,15	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
GAGG	e		2	10:58:15.29	20,6	252				93						-0,2			1,8	
DOSS	e		2	10:58:16.84	28,9	184				92						-0,08			1	
VARA	e		2	10:58:19.52	42,6	215				91						0,26			1,4	

20/09/2016	15:28:43,12	46,1321	11,1786	0,76	1,3		0	0	0,9	90	0	0,9	C	0,12	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	15:28:45.52	15,1	127				93						-0,18			1,4	
GAGG	e		2	15:28:46.23	17,8	252				92						0,06			1	
DOSS	e	c	2	15:28:47.75	28	178				92						-0,16			1,2	
VARA	e		2	15:28:50.27	40,4	213				91						0,24			1,4	
CARE	e		2	15:28:51.50	49,3	311				91						-0,05			0	

21/09/2016	07:08:18,75	,	,											10	PERUGIA			M 3.5(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
DOSS			3	07:08:18.75			56,56	3							231					
VARA	e	d	2	07:08:19.20			59,71	3							236					
PANI	i	d	2	07:08:20.67			62,21	3							235					
GAGG	i	d	2	07:08:22.56			65,65	3							231					
RONC			2	07:08:22.64			67,23	3							235					
ZIAN	i	d	2	07:08:22.82											236					
OZOL	e	d	2	07:08:26.08			73,91	3							232					
CARE	e	d	2	07:08:28.38			75,57	3							229					

21/09/2016	07:44:45,18	45,5060	10,2385	8,75	1,8		0	0	2,9	90	0	2,9	D	0,14	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
RONC	e		2	07:44:55.69	60,7	30				98						0,03			1,3	

21/09/2016	23:32:28,34	46,1781	12,4118	11,24	1,3		0	0	0,4	90	0	0,4	B	0,13	0	PIEVE D'ALPAGO (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
ZIAN	e		2	23:32:40.05	66,4	279				100						0,2			1,5	
DOSS	e		2	23:32:45.88	100,3	251				96						0,28			1,6	

21/09/2016	23:38:07,91	,	,											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	23:38:07.91			8,88	1							31					

22/09/2016	05:47:37,69	46,4446	10,0635	5,11	1,5		0	0	0,7	90	0	0,7	B	0,15	0	FORCA LIVIGNO (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	05:47:46.19	48,8	93	52,05	2	96							0,12		-0,55	0	
RONC	e		2	05:47:49.17	67,2	140			94							-0,04			1,6	
GAGG	e		2	05:47:51.38	79,8	120			94							0,02			1,6	

QUATERLY BULLETTIN *July-September 2016*

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				

22/09/2016	07:55:16,29	,	,											10	PERUGIA	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
DOSS			3	07:55:16.29																
VARA	i	c	2	07:55:16.56			56,97	3												
PANI			3	07:55:18.14			60,18	3												
RONC			3	07:55:19.80																
GAGG			2	07:55:20.23			64,82	3												
OZOL			3	07:55:23.59																
CARE			3	07:55:25.81																

22/09/2016	08:55:26,40	,	,											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	08:55:26.40			28,13	2							33					

22/09/2016	14:56:52,24	46,1323	11,1858	6,93	1,2		0	0	0,2	90	0	0,2	B	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	2	14:56:54.99	14,7	128				115						-0,02			1,3	
GAGG	i	c	2	14:56:55.54	18,4	253				111						-0,06			1,1	
DOSS	i	c	2	14:56:57.17	28	180				104						-0,01			1,2	
ZIAN	e	c	2	14:56:58.02	33,2	61				102						-0,02			0,9	
VARA	e		2	14:56:59.44	40,8	213				100						0,13			1,3	
CARE	e		2	14:57:00.80	49,7	311				98						-0,02			0	

22/09/2016	16:19:56,95	46,1318	11,1865	5,49	1,3		0	0	0,4	90	0	0,4	C	0,09	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	2	16:19:59.64	14,6	128			111							0,02			1,3	
GAGG	e	c	2	16:20:00.15	18,4	253			107							-0,09			1,4	
DOSS	i	c	2	16:20:01.80	28	180			101							-0,03			1,4	
ZIAN	i	c	1	16:20:02.73	33,2	61			99							0,02			1,2	
VARA	e		2	16:20:04.16	40,8	213			98							0,18			1,2	
RONC	e		2	16:20:05.26	46,7	249			97							0,26			1,2	
CARE	i	c	2	16:20:05.42	49,8	311			96							-0,1			1,5	

22/09/2016	19:30:44,64	46,1865	11,8780	5,55	0,7		0	0	0,4	90	0	0,4	B	0,11	0	TRANSACQUA (TN)			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	i	c	1	19:30:49.29	26,3	292	52,79	2	102							0,06		-0,02	0,6	

22/09/2016	20:04:50,13	,	,											10	PERUGIA			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
DOSS	e	d	2	20:04:50.13			90,97	3												227
VARA	i	d	1	20:04:50.72			91,1	2												229
PANI	e	d	2	20:04:52.20			93,28	2												228
GAGG	e	d	2	20:04:53.58			97,64	3												227
RONC			2	20:04:53.85			99,59	3												229
ZIAN	e	d	2	20:04:54.33			97,31	2												229
OZOL	e	d	2	20:04:58.04			106	2												226
CARE	e	d	2	20:04:59.88			109	3												223

QUATERLY BULLETTIN *July-September 2016*

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			

23/09/2016	00:54:41,60	,	,											0	RONC					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RONC	i	c	1	00:54:41.60			43,53	2							38					

23/09/2016	02:44:46,64	46,0515	10,5695		4,34	1,3		0	0	0,5	90	0	0,5	B	0,17	0	SELLA GIUDICAR. (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
RONC	i	d	1	02:44:48.30	8,9	152	49,52	2	116							-0,03		-0,13	1,6	
GAGG	e		1	02:44:51.90	30,3	83	56,11	2	98							0,03		0,15	0,9	
VARA	i	c	2	02:44:52.71	35,7	135	57,65	2	97							-0,07		0,08	1,2	
CARE	i	d	2	02:44:54.15	42,6	13	59,46	2	96							0,19		-0,21	1,8	
OZOL	e	c	2	02:44:55.99	54	44			95							0,1			1,2	
PANI	e		2	02:44:57.12	59,2	90			94							0,33			1,4	
ZIAN	e	c	2	02:45:00.61	80,7	72			93							0,16			1,4	

23/09/2016	09:58:58,12	,	,										0	CARE,RONC						
st_name	p_rem	m	w_p	time_s	dist	azm	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	09:58:58.12			59,11	2							41					
RONC	i	d	2	09:59:04.92			10,45	3							40					

23/09/2016	13:51:52,55	,	,											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	13:51:52.55			53,43		1						28					

23/09/2016	20:10:51,99	46,3580	10,8288		7,35	0,8		0	0	0,4	90	0	0,4	B	0,16	0	RABBI (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	20:10:54.66	12,5	306	56,47	2	120							0,19		0,06	0,6	
OZOL	e		1	20:10:55.25	17,9	74	57,75	2	112							-0,04		-0,12	0,7	
GAGG	e		2	20:10:57.66	32,1	162	62,06	2	103							0,04		0,05	0	
RONC	e		2	20:10:59.99	44,8	201	65,88	3	99							0,23		0,07	0,8	

24/09/2016	00:35:24,39	46,4455	10,8763		1,47	0,4		0	0	1,2	90	0	1,2	D	0,06	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
CARE	e	c	1	00:35:26.77	14	260	28,64	2	96							-0,02		-0,02	0	
OZOL	e		2	00:35:26.96	14,3	109	28,7	2	96							0,12		-0,05	0,4	

24/09/2016	03:47:20,70	,	,											0	RONC					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RONC	i	d	1	03:47:20.70			22,22	2							36					

24/09/2016	12:42:22,47	45,8816	11,1291		11,18	0,7		0	0	0,7	90	0	0,7	B	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	i	c	1	12:42:24.75	4,6	92	26,25	2	158							0,21		0,1	0,2	
VARA	e	c	2	12:42:26.47	19,1	251	29,27	2	120							0,22		0,07	1	
PANI	e		2	12:42:27.10	24,6	40	30,66	2	114							0,01		-0,04	0	
GAGG	e		2	12:42:27.35	26	329	30,77	2	113							0,04		-0,32	1,1	

QUATERLY BULLETTIN *July-September 2016*

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			

25/09/2016	01:07:50,89	45,7668	11,0921	10,78	0,7		0	0	0,5	90	0	0,5	B	0,09	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	01:07:54.07	14,6	31	56,47	2	126							0,07		0,05	0	
VARA	e		2	01:07:54.33	16,6	293	56,94	2	123							0,06		0,03	0	
GAGG	e		2	01:07:57.41	36,7	344	62,62	2	106							-0,02		0,09	1	

25/09/2016	16:51:06,09	45,5523	11,3866	9,21	1,4		0	0	0,5	90	0	0,5	B	0,15	0	ARZIGNANO (VI)			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
DOSS	e	c	2	16:51:13.07	39,5	337	18,43	2	103							0,04		-0,01	1,3	
VARA	e	d	2	16:51:14.61	48,8	309	20,78	3	101							0,03		-0,42	0	
PANI	e		2	16:51:15.88	55,5	356			99							0,17			1,3	
GAGG	e		2	16:51:17.76	67,8	331			98							-0,02			1,5	
ZIAN	e		2	16:51:19.88	81,6	10			96							-0,25			1,8	

25/09/2016	21:15:05,89	,	,												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	21:15:05.89			48,59	3							181					
PANI			3	21:15:07.24			54,5	3							180					
DOSS			3	21:15:09.28			56,22	3							178					
OZOL			3	21:15:10.94			60,84	3							178					
VARA			3	21:15:12.79			64,14	3							178					
RONC			3	21:15:17.28			71,58	3							177					

26/09/2016	00:17:23,55	45,8981	11,1691	1,74	0,7		0	0	0,4	90	0	0,4	B	0,1	0	FOLGARIA (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	00:17:23.99	2,5	143	24,54	2	125							-0,09		0,05	1		
PANI	e		2	00:17:27.28	21,3	37	30,16	3	95							0,08		0,11	0		
VARA	e		2	00:17:27.45	22,6	249	30,61	2	94							0,02		0,15	1		

26/09/2016	01:25:34,92	,	,											0	RONC					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
RONC	i	d	1	01:25:34.92			36,09	1							30					

26/09/2016	06:12:48,60	45,8050	11,0621	8,63	0,6		0	0	0,8	90	0	0,8	B	0,06	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
VARA	e	c	1	06:12:51.20	13,1	280	53,4	2	123							-0,07		0,04	0,5	

26/09/2016	08:16:25,86	,	,											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	08:16:25.86			27,64	2							31					

QUATERLY BULLETTIN *July-September 2016*

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				

26/09/2016	10:16:45,85	46,1806	11,2070	11,57	1		0	0	0,3	90	0	0,3	B	0,06	2	CEMBRA LISIGN. (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	10:16:49.33	17,5	146				123						-0,11			1,1	
GAGG	i	c	2	10:16:50.02	22	241				118						-0,08			0,9	
OZOL	e		2	10:16:50.95	27,5	334				113						0			1	
ZIAN	e	c	1	10:16:51.25	29,5	69				111						-0,01			0,9	
DOSS	e	c	2	10:16:52.00	33,5	182				109						0,1			0,9	
CARE	e		2	10:16:54.27	47,7	305				104						0,03			1,3	

26/09/2016	11:14:31,88	,	,											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	11:14:31.88			33,51	1							28					

26/09/2016	14:20:53,97	,	,												1	PANI	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	14:20:53.97			55,86	1							46					

26/09/2016	14:45:14.85	,	,											1	PANI,GAGG,DOSS			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	14:45:14.85			16,77	1							47					
GAGG			2	14:45:16.55			19,78	2							47					
DOSS	e	c	2	14:45:17.39			21,54	2							46					

26/09/2016	16:10:35,49	46,1378	11,1771	0,99	1,3		0	0	0,4	90	0	0,4	C	0,13	2	ALBIANO (TN)			EXPL? 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	
PANI	i	c	1	16:10:38.11	15,6	128				94						-0,05			1,3		
GAGG	i	c	2	16:10:38.61	17,9	250				93						0,04			1,3		
DOSS	i	c	2	16:10:40.34	28,7	178				92						-0,06			1,4		
OZOL	e		2	16:10:40.84	31,1	342				92						0,03			1,4		
ZIAN	e	c	2	16:10:41.09	33,5	63				92						-0,14			1		
VARA	e		2	16:10:42.60	40,9	212				91						0,11			1,2		
RONC	e		2	16:10:43.49	46,3	248				91						0,08			1,3		
CARE	e		1	16:10:43.81	48,8	311				91						-0,03			1,7		

26/09/2016	19:03:57,37	,	,											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	19:03:57.37			58,1	1							35					

27/09/2016	03:21:39,81	,	,											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	1	03:21:39.81			41,05	1							26					

QUATERLY BULLETTIN July-September 2016

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				

27/09/2016	22:13:25,90	,	,											10	PARMA			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	e	c	2	22:13:25.90			43,49	2							127					
RONC	e	c	2	22:13:26.79			45,34	1							126					
DOSS			2	22:13:27.84			47,37	3							129					
GAGG			3	22:13:29.23			48,65	3							129					
PANI			3	22:13:30.59			50,45	3							126					
CARE			3	22:13:33.54			56,52	3							130					
OZOL			3	22:13:34.77			57,13	3							126					
ZIAN			3	22:13:35.04			58,07	3							128					

27/09/2016	23:55:56,25	46,5403	10,2698	7,43	0,8		0	0	1	90	0	1	C	0,1	0	SAN GIACOMO FR. (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	23:56:02.53	35,3	111	6,91	3	102							0,12		-0,3	0	

28/09/2016	10:03:23,81	46,1488	11,1721	4,8	0,8		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	10:03:26.77	16,6	131				106						0			0,9	
GAGG	e		2	10:03:26.99	18	246				105						-0,01			0,8	
DOSS	e		2	10:03:28.97	29,9	178				99						-0,02			0,9	
CARE	e		2	10:03:32.01	47,7	310				96						0			0	

28/09/2016	23:19:37,90	46,8153	10,8801	1,18	1,2		0	0	0,2	90	0	0,2	C	0,11	0	VAL SENALES (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	23:19:45.80	45,7	198				91						0,08			1,8		
OZOL	e		2	23:19:46.13	47,7	164	52,24	2	91							0,07		-0,17	1		
ZIAN	e		2	23:19:51.60	79,6	139				91						0,08			1,4		

29/09/2016	01:47:46,69	46,0219	11,5856	4,13	1,2		0	0	0,5	90	0	0,5	B	0,14	0	OSPEDALETTO (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	e		2	01:47:50.27	19,7	279	52,86	2	102							0,14		0,05	1	
ZIAN	e	d	2	01:47:51.52	28,3	356	55,35	2	98							-0,06		-0,05	1,1	
DOSS	e		2	01:47:52.44	34,6	243	57,39	3	97							-0,2		0,1	1,3	

29/09/2016	09:12:25,68	46,7581	10,3235	16,09	1,5		0	0	0,4	90	0	0,4	B	0,12	0	VAL MUSTAIR [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	09:12:34.23	46,9	142				109						0,08			1,6		

29/09/2016	14:53:34,39	46,1305	11,1913	2,95	1,3		0	0	0,4	90	0	0,4	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	i	c	1	14:53:36.87	14,2	129				102						0			1,2	
GAGG	e		1	14:53:37.63	18,7	254				99						0			1,2	
DOSS	i	c	1	14:53:39.13	27,8	180				96						-0,05			1,3	
OZOL	e		2	14:53:39.91	32,2	340				95						0			1,3	
ZIAN	e		2	14:53:39.98	33	61				95						-0,07			1,1	
VARA	e		2	14:53:41.54	40,8	214				94						0,15			0	
CARE	e		2	14:53:42.94	50,2	311				93						-0,04			0	

QUATERLY BULLETTIN *July-September 2016*

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				

29/09/2016	15:58:22,08	46,1388	11,1868	5,93	1,1		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	2	15:58:24.82	15,1	131				111						-0,02			0,9		
GAGG	e	c	2	15:58:25.35	18,7	251				108						-0,08			1		
DOSS	e	c	2	15:58:27.02	28,8	180				102						-0,08			1		
ZIAN	e	c	2	15:58:27.81	32,8	62				100						0,03			0,9		
VARA	e		2	15:58:29.48	41,4	213				98						0,25			0		
CARE	e		2	15:58:30.56	49,3	310				97						-0,01			0		

30/09/2016	02:14:06,45	46,3628	10,3938	1,79	0,9		0	0	0,4	90	0	0,4	C	0,14	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	c	1	02:14:10.46	24,3	74	13,84	2	94							-0,16		-0,03	1,1	
RONC	e		2	02:14:14.63	46	157	20,33	2	92							0,31		-0,13	0	
OZOL	e		2	02:14:15.29	50,8	85	21,92	2	92							0,15		0	1	

30/09/2016	05:59:07,12	46,3864	11,0191	7	1		0	0	2,4	90	0	2,4	C	0,12	0	CLES (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	2	05:59:08.26	3,1	53	9,47	3	156							-0,16		0,02	1		
GAGG	e		2	05:59:12.98	34	188	17,85	3	102							-0,07		0,17	1,2		

30/09/2016	10:00:57,85	,	,											1	PANI,GAGG				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	10:00:57.85			60,19	2							58					
GAGG	i	c	1	10:00:58.32			61,37	2							58					
DOSS			2	10:00:59.99											58					

30/09/2016	14:00:38,11	,	,											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	14:00:38.11			39,02	1							33					

30/09/2016	14:48:49,79	46,1351	11,1921	2,27	1,1		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	2	14:48:52.31	14,5	130				99						0,01			1		
GAGG	e	c	2	14:48:53.05	18,9	252				97						-0,01			1		
DOSS	e	c	2	14:48:54.58	28,4	181				95						-0,08			1		
ZIAN	e		2	14:48:55.39	32,6	61				94						0			0,9		
VARA	e		2	14:48:56.96	41,3	214				93						0,09			1,5		
CARE	e		2	14:48:58.32	49,9	310				93						-0,01			0		

QUATERLY BULLETTIN *July-September 2016*

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				

30/09/2016	19:23:22,83	,	,											10	ASCOLI PICENO				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	19:23:22.83											225							
VARA			2	19:23:23.05			63,49	3							223							
PANI	e	d	2	19:23:23.54			64,11	3							222							
ZIAN	e	d	2	19:23:25.61			68,7	3							224							
GAGG			3	19:23:27.05											223							
RONC	i	d	2	19:23:28.20			69,41	3							223							
OZOL	e	d	2	19:23:29.29			76,43	3							223							
CARE			3	19:23:32.43			79,82	3							223							

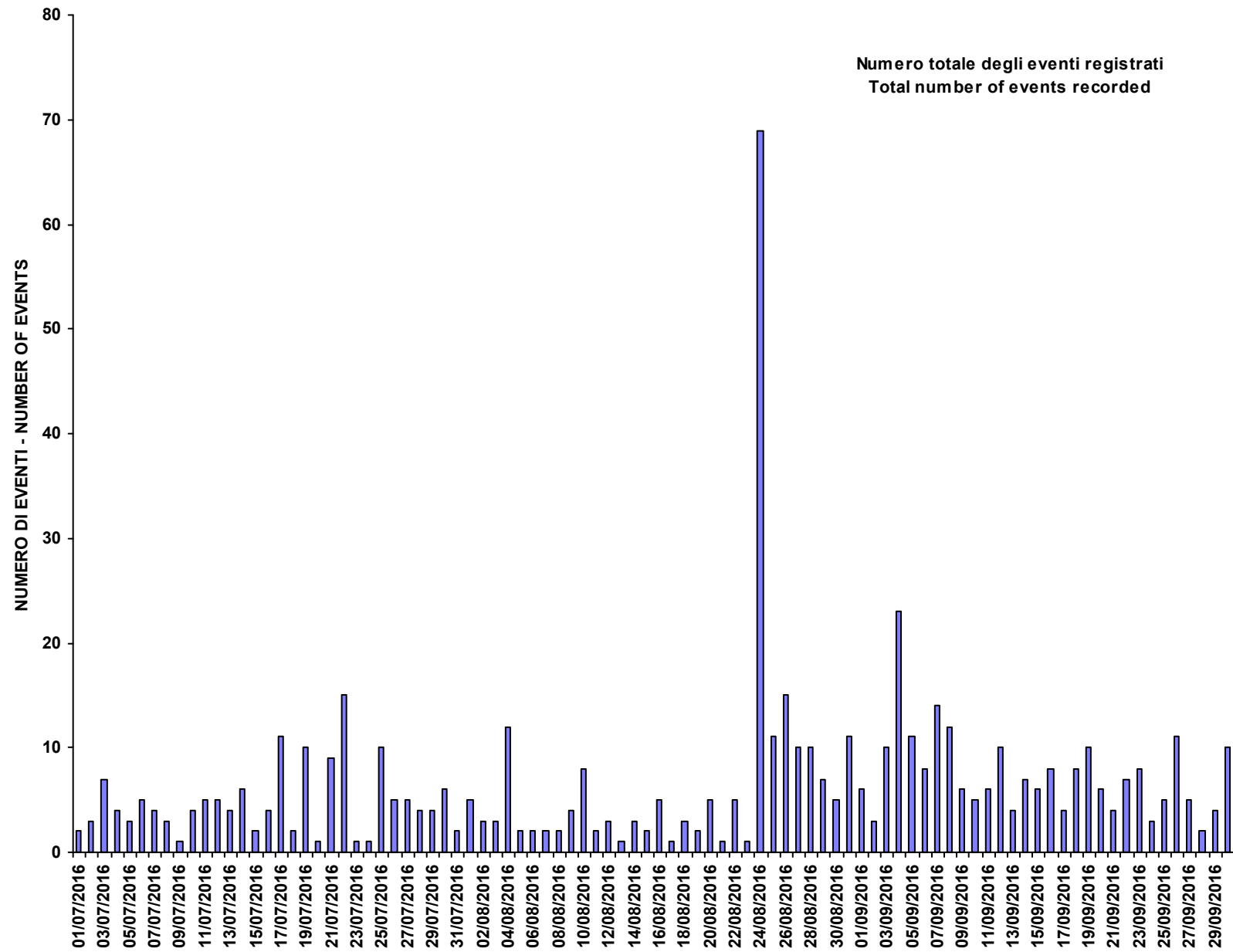
30/09/2016	19:39:31,80	,	,											10	ASCOLI PICENO				M 3.4(I)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
DOSS			3	19:39:31.80											231							
VARA			2	19:39:32.31			72	3							234							
PANI			2	19:39:33.24			75,09	3							232							
ZIAN			2	19:39:35.27			76,58	3							234							
GAGG			2	19:39:35.77			80,09	3							230							
RONC			3	19:39:36.15											233							
OZOL			2	19:39:38.74			85,99	3							230							
CARE			3	19:39:41.82			89,81	3							229							

30/09/2016	19:54:49,69	,	,											10	TRASAGHIS (UD)			M 2.5(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			2	19:54:49.69			66,68	3							111					
PANI			3	19:54:53.42			71,56	2							108					
DOSS			2	19:54:56.15			75,2	2							108					
OZOL			3	19:54:56.44			76,98	1							108					
GAGG			2	19:54:57.97			78,43	1							107					
VARA			3	19:54:59.66			81,07	3							110					
CARE			3	19:55:00.55			22,73	3							107					
RONC			3	19:55:02.24			25,21	2							110					

30/09/2016	23:37:23,89	,	,											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			2	23:37:23.89			25,77	2							28					

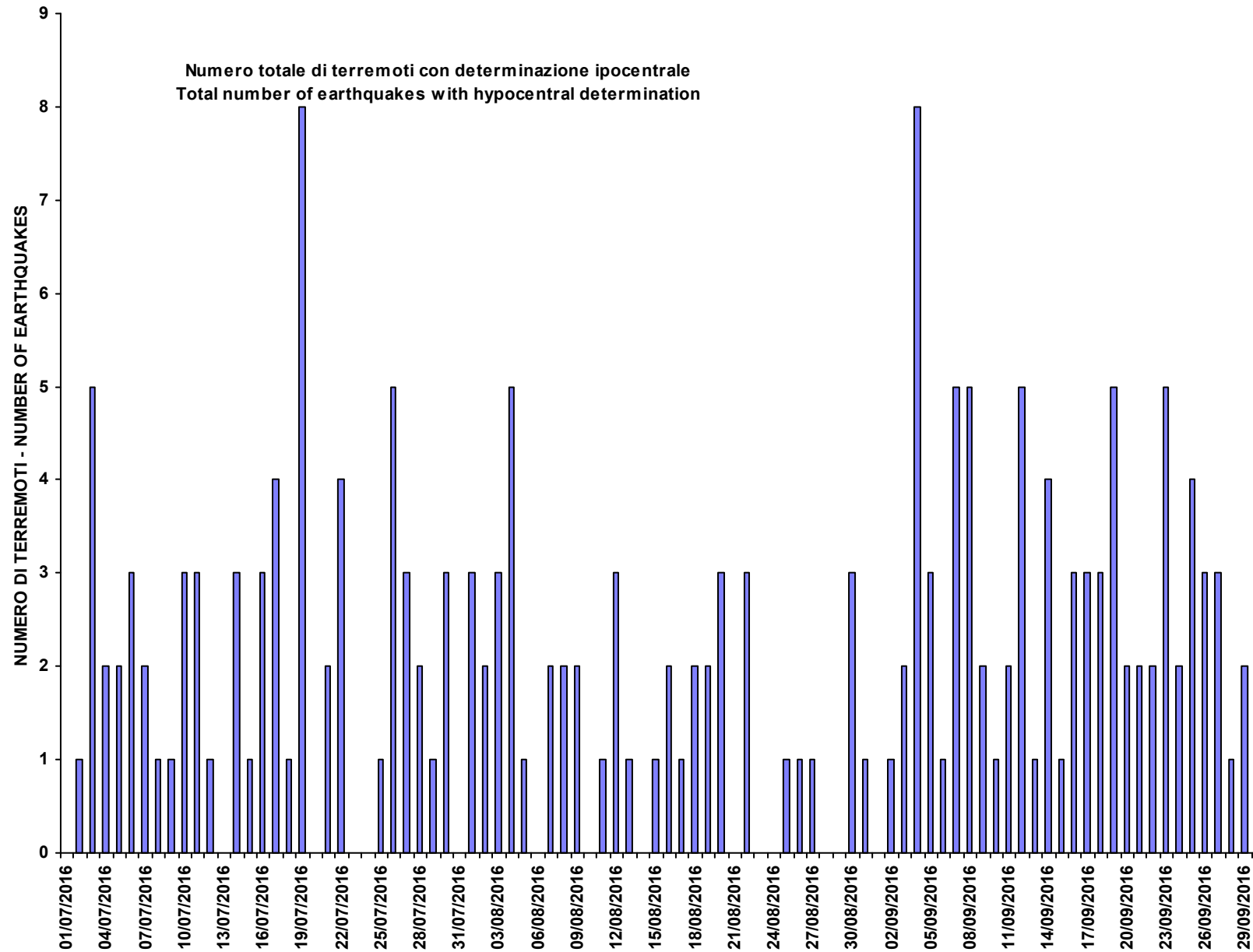
RETE SISMICA DEL TRENTINO ; PERIODO : LUGLIO - SETTEMBRE 2016

TRENTINO SEISMOMETRIC NETWORK ; PERIOD : JULY - SEPTEMBER 2016



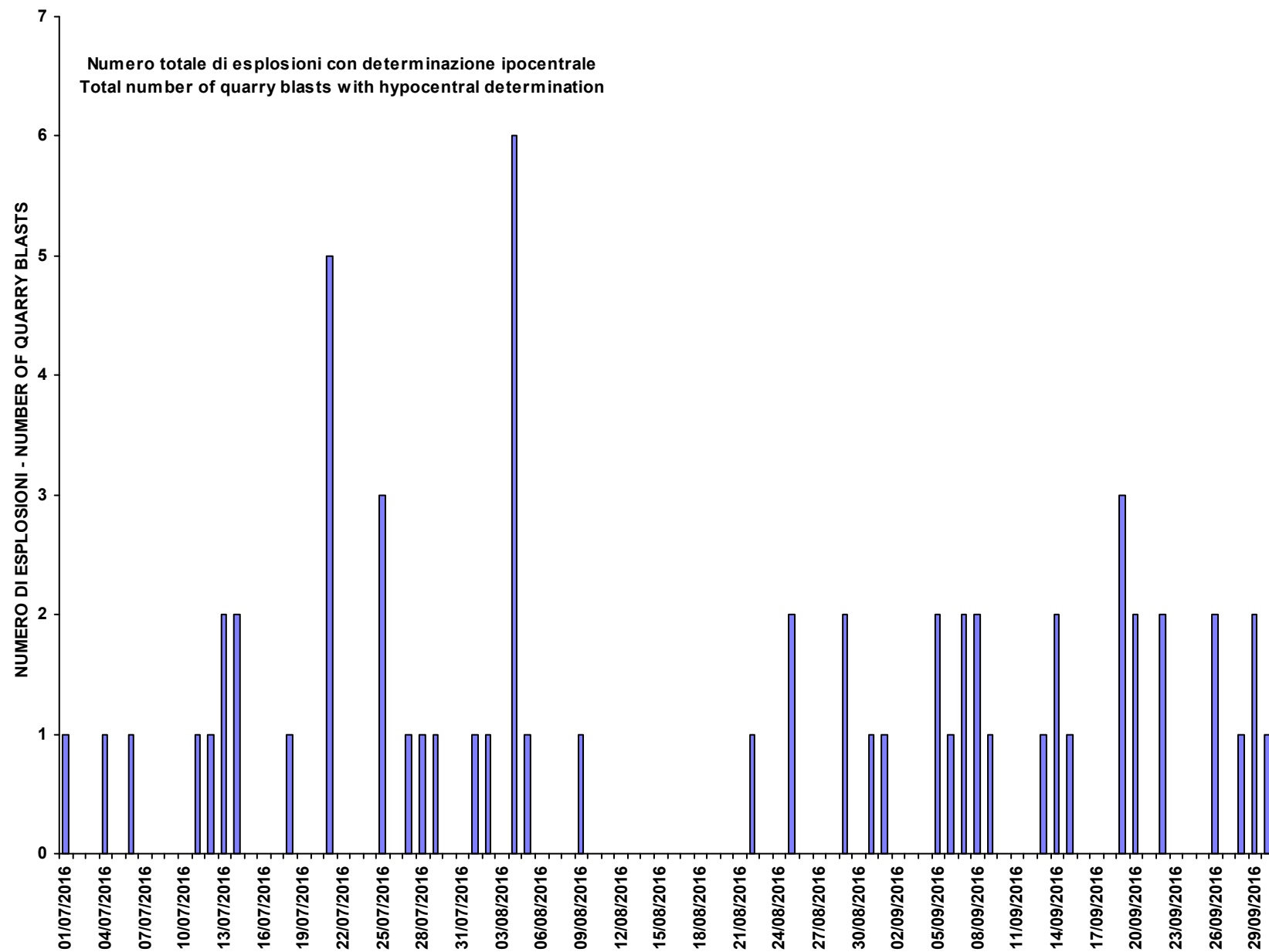
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TRENTINO SEISMOMETRIC NETWORK ; PERIOD : JULY - SEPTEMBER 2016



RETE SISMICA DEL TRENTINO ; PERIODO : LUGLIO - SETTEMBRE 2016

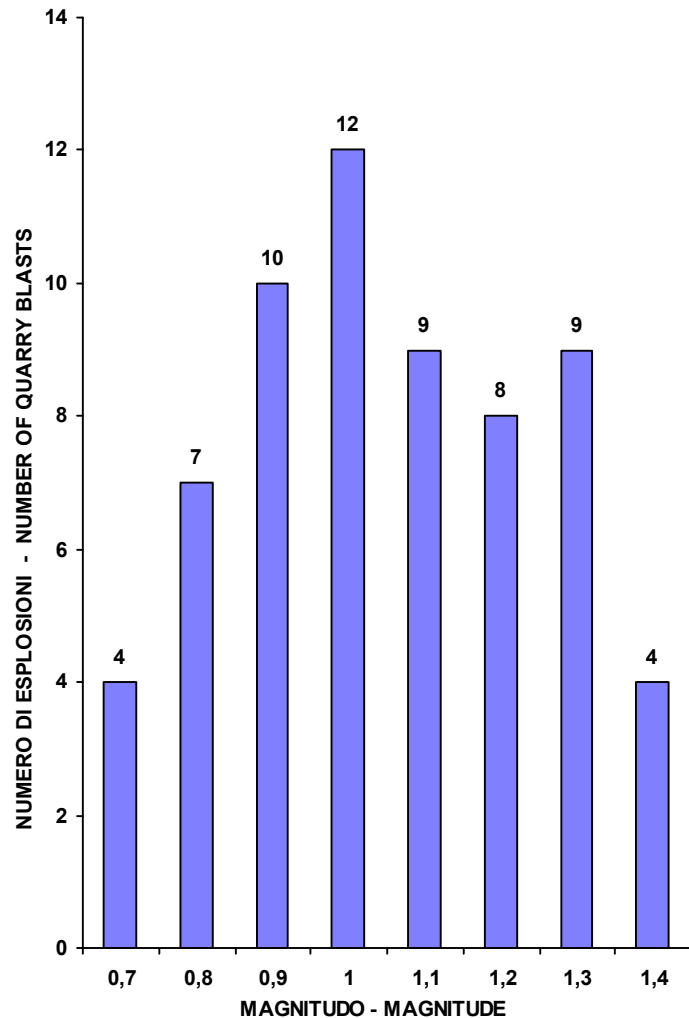
TRENTINO SEISMOMETRIC NETWORK ; PERIOD : JULY - SEPTEMBER 2016



RETE SISMICA DEL TRENTINO ; PERIODO : LUGLIO - SETTEMBRE 2016

TRENTINO SEISMOMETRIC NETWORK ; PERIOD : JULY - SEPTEMBER 2016

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

