

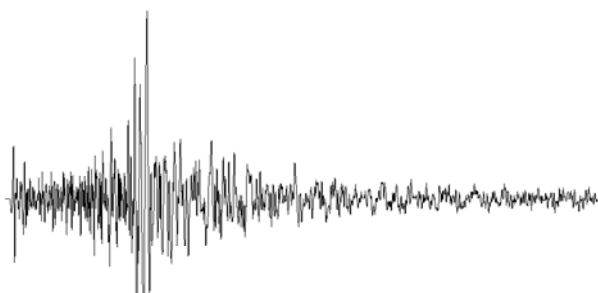
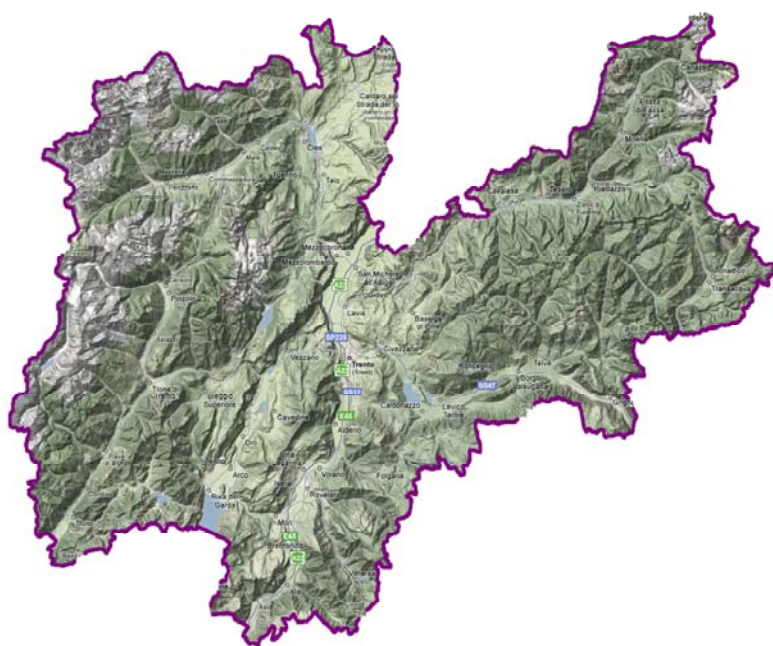


PROVINCIA AUTONOMA DI TRENTO

SERVIZIO GEOLOGICO - UFFICIO STUDI GEOFISICI

TRENTINO SEISMOMETRIC NETWORK

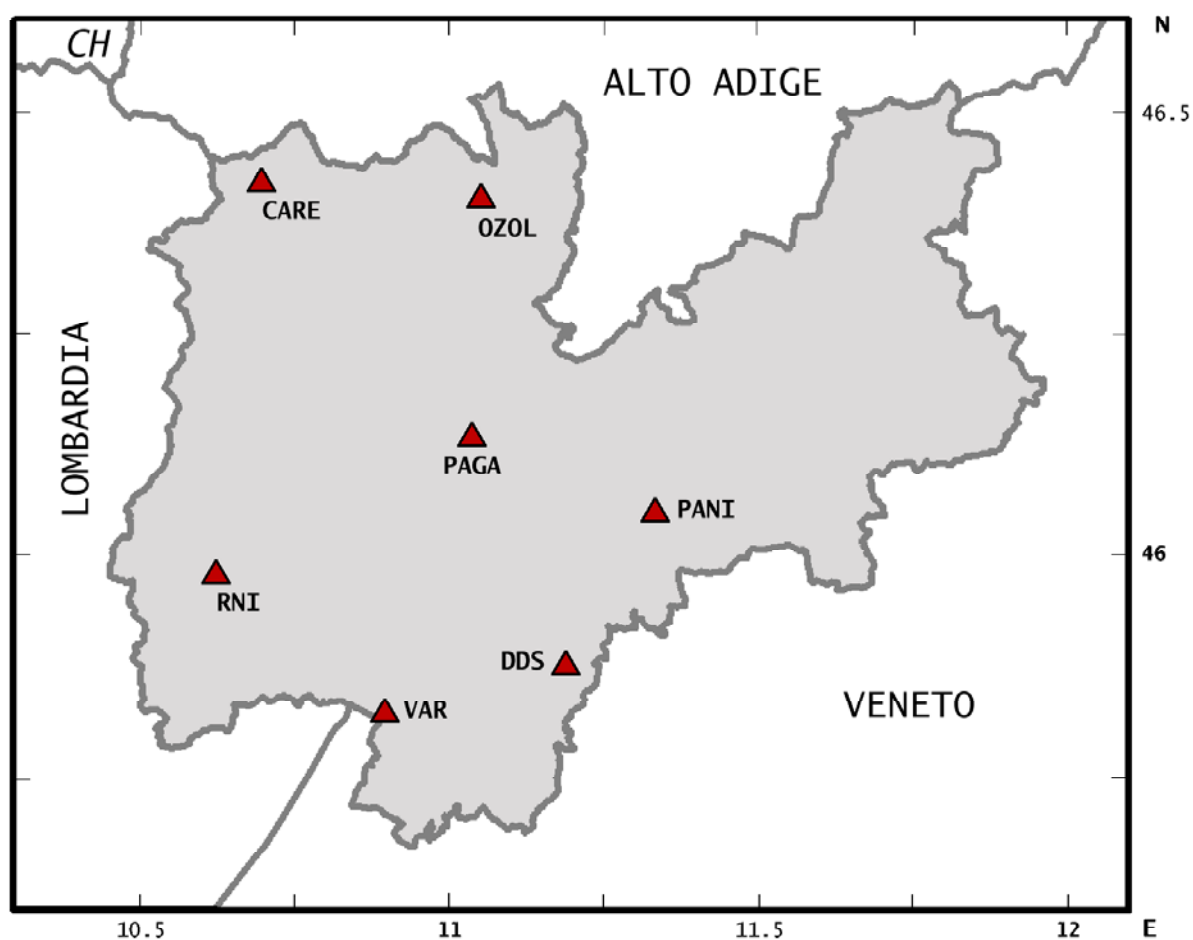
JULY
SEPTEMBER
2008



QUARTERLY BULLETIN

TRENTINO SEISMOMETRIC NETWORK

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RNI	Roncone (Malga Avalina)	45,9809	10,6228	1915
VAR	Monte Varagna	45,8271	10,8981	1730
DDS	Dosso del Sommo	45,8800	11,1889	1670
PANI	Monte Panarotta	46,0508	11,3349	1985
OZOL	Monte Ozolo	46,4033	11,0517	1230
CARE	Lago del Careser	46,4245	10,6974	2610
PAGA	Cima Paganella	46,1372	11,0383	2105

EVENT HEADER

Program for earthquake parameters : Hypoellipse 2.0

Date : origin date of event

Time : origin time of event
(Greenwich Mean Time)

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

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

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

RMS : root mean square of residual

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

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

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

STATION DATA

st_name : station code
 RNI is 3D station (RNIV for vertical component;
 RNIN for north-south component; RNIE for east-west component)
 VAR is 3D station (VARV for vertical component;
 VARN for north-south component; VARE for east-west component)
 DDS is 3D station (DDSV for vertical component;
 DDSN for north-south component; DDSE for east-west component)
 PANI is 3D station (PANV for vertical component;
 PANN for north-south component; PANE for east-west component)
 OZOL is 3D station (OZOV for vertical component
 OZON for north-south component; OZOE for east-west component)
 CARE is 3D station (CARV for vertical component;
 CARN for north-south component; CARE for east-west component)
 PAG is 1D station (PAGV for vertical component)

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)

$$f_mag = a + b \log(t) + c \ d$$

 t = average duration
 d = average epicentral distance
 a, b and c = empirical costant

QUATERLY BULLETTIN *July-September 2008*

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			

01/07/2008	5.24.14.54	.	.											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
CARV		1		5.24.14.54			16,01	1		7,37	0,05				16					
CARN		1		5.24.14.54			16,01	1		11,3	0,05				16					
CARE		1		5.24.14.54			16,01	1		7,71	0,05				16					

01/07/2008	21.45.36.97	46.3830	10.5840		0,5		2,1	114	12	99	207	13	99	D	0,46	0	S. CATERINA V. (SO)		M 1.3(S)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	c	0	21.45.39.06	19,5	64			117			3,74	0,11	C		-2,01		0		
OZOL	e		1	21.45.43.58	45,4	82	48,81	2	102			7,95	0,57			-1,54	0,99	-2,55		
RNI	i	d	1	21.45.44.81	42,6	163	50,57	2	103			7,48	0,57	D	41	0,13	0,99	0		1,9
PANI	e		2	21.45.49.17	74,8	116	58,61	2	98			12,89	0,99		35	-0,89	0,99	-1,54		1,7

01/07/2008	23.47.20.44	45.8270	11.4840		11,4		2	234	1	99	143	32	99	D	0,79	0	CALTRANO (VI)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DDS	i	c	0	23.47.24.93	10	0	28,47	2	135			2,42	0,11	C	46	1,87	0,99	3,37		
PANI	i	c	1	23.47.25.53	31,1	21	29,48	2	108			5,59	0,57	C	28	-0,6	0,99	-1,09		1,6
VAR	i	c	1	23.47.28.48	23	280	34,73	2	114			4,28	0,57	C	38	3,64	0,99	6,45		1,9

02/07/2008	0.32.47.84	.	.											0	VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARE			1	0.32.47.84			49,84	1		14	0,06				15					
VARV	E	D	1	0.32.47.84			49,84	1		10,2	0,08				15					
VARN			1	0.32.47.84			49,84	1		23,2	0,08				15					

02/07/2008	0.39.36.25	.	.											0	VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARN			1	0.39.36.25			38,31	1		48,3	0,05				16					
VARE			1	0.39.36.25			38,31	1		27,6	0,06				16					
VARV	E	C	1	0.39.36.25			38,31	1		21,6	0,08				16					

02/07/2008	8.01.31.57	.	.											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
OZOE			1	8.01.31.57			32,85	1		27,1	0,59				25					
OZOV	E	C	1	8.01.31.57			32,85	1		12,9	0,11				25					
OZON			1	8.01.31.57			32,85	1		75,4	0,5				25					

02/07/2008	12.40.06.55	.	.											0	DDS			MULTI 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
DDSE			3	12.40.06.55				8		32,2	0,02									
DDSN			3	12.40.06.55				8		12,3	0,02									
DDSV			3	12.40.06.55				8		11,5	0,02									

QUATERLY BULLETTIN *July-September 2008*

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				

02/07/2008	19.19.08.95	.	.											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARN	I	D	0	19.19.08.95			11,22	1		5,63	0,05				23					
CARE	I	D	0	19.19.08.95			11,22	1		6	0,02				23					
CARV	I	D	0	19.19.08.95			11,22	1		8,02	0,02				23					

02/07/2008	21.39.21.38	.	.											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
CARV	I	D	0	21.39.21.38			23,65	1		7,56	0,11				25					
CARN	I	D	0	21.39.21.38			23,65	1		5,5	0,03				25					
CARE	I	D	0	21.39.21.38			23,65	1		6,25	0,06				25					

03/07/2008	8.43.41.15	.	.											0	PANI			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
PANE	I	C	1	8.43.41.15			41,58	1		69,7	0,02									
PANN	I	D	1	8.43.41.15			41,58	1		108	0,02									
PANV			1	8.43.41.15			41,58	1		47,3	0,02									

04/07/2008	15.38.56.54	45.6160	10.9190	10,2		2	345	13	43	246	35	20	D	0,15	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			
VAR	e		2	15.39.00.94	16,8	1	4,35	2	139			4,39	1,01			-0,19	1,06	-0,38					
DDS	e		1	15.39.02.96	32,2	45	7,95	3	121			6,42	0,5		33	-0,13	2,05	-0,26		1,7			
PANI	i		2	15.39.06.61	53,8	39	14,55	3	110			9,7800	1,01		38	0,19	0,99	0,41		1,8			

05/07/2008	8.22.07.47	46.3730	10.6990	14,6		1,6	276	0	99	186	41	99	D	0,39	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	0	8.22.10.25	10	0	12,19	1	135			2,42	0,11	D	22	-0,06	0,57	-0,25			
RNI	i	d	0	8.22.15.35	39,7	188	21,56	2	104			7	0,11	D	24	0,7	0,99	1,38		1,4	

06/07/2008	1.58.07.69	.	.											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		
CARN	I	D	0	1.58.07.69			9,894	1		6,4	0,05				29							
CARE	I	D	0	1.58.07.69			9,894	1		6,2	0,1				29							
CARV	I	D	0	1.58.07.69			9,894	1		5,78	0,05				29							

06/07/2008	5.08.30.23	.	.											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
CARV	I	D	0	5.08.30.23			32,44	1		8,69	0,03				24					
CARN	I	D	0	5.08.30.23			32,44	1		12,8	0,06				24					
CARE	E	D	0	5.08.30.23			32,44	1		13,7	0,14				24					

QUATERLY BULLETTIN *July-September 2008*

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				

07/07/2008	2.37.57.52	.	.											0	VAR,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
VARV		1		2.37.57.52			60,06	2		9,31	0,08				31					
VARN		1		2.37.57.52			60,06	2		25,2	0,08				31					
VARE		1		2.37.57.52			60,06	2		14,7	0,06				31					
RNIV		1		2.37.57.88			60,58	2		8,73	0,08				31					
RNIN		1		2.37.57.88			60,58	2		16,8	0,08				31					
RNIE		1		2.37.57.88			60,58	2		12,3	0,06				31					

08/07/2008	6.25.14.79	.	.											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
RNIV	I	C	1	6.25.14.79			21,1	1		3,34	0,14				37					
RNIN	E	C	1	6.25.14.79			21,1	1		9,08	0,18				37					
RNIE	E	D	1	6.25.14.79			21,1	1		8,1	0,19				37					
CARE	E	C	1	6.25.20.62			31,17	2		1,92	1,7				35					
CARV	I	C	1	6.25.20.62			31,17	2		2,21	6,5				35					
CARN	I	D	1	6.25.20.62			31,17	2		1,26	0,85				35					

09/07/2008	1.39.02.46	45.8440	10.9920	13,1		1,8	272	4	0,9	179	44	14	D	0,02	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
VAR	i	c	0	1.39.05.03	7,1	267	7,09	2	151			2,49	0,1	C	23	0	1	-0,08	1,4	
DDS	i	c	0	1.39.06.00	16,4	71	8,63	2	128			3,55	0,1	C	31	0	1	-0,27	1,7	
RNI	i	d	0	1.39.08.44	33	300	13,12	2	111			6,04	0,1	D	33	0	1	-0,12	1,7	

09/07/2008	10.11.07.42	.	.											1			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
PANV	I	C	1	10.11.07.42			10,31	1		0,271	0,18				35					
PANN			1	10.11.07.42			10,31	1		0,645	0,26				35					
PANE			1	10.11.07.42			10,31	1		0,664	0,21				35					
DDSV	I		1	10.11.09.79			14,04	2		0,305	0,03				36					
DDSN			1	10.11.09.79			14,04	2		0,56	0,13				36					
DDSE			1	10.11.09.79			14,04	2		0,465	0,34				36					
OZOV	I	D	1	10.11.10.47			15,27	2		0,301	0,24				36					
OZON			1	10.11.10.47			15,27	2		0,468	0,26				36					
VARE			2	10.11.12.17			18,83	2		0,539	0,1				35					
VARN			2	10.11.12.17			18,83	2		0,725	0,1				35					
VARV			2	10.11.12.17			18,84	2		0,402	0,11				35					
CARE	I	D	1	10.11.13.51				8		0,172	0,05				37					
CARV	I	C	1	10.11.13.51				8		0,432	4,9				37					
CARN			1	10.11.13.51				8		0,225	0,08				37					

09/07/2008	12.44.28.91	.	.											0	OZOL,CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOV	I	C	1	12.44.28.91			30,78	2		1,6	0,19				20					
OZON	I	C	1	12.44.28.91			30,78	2		2,68	0,21				20					
CARE	I	C	1	12.44.29.01			30,96	1		4,78	0,03				21					
CARN			1	12.44.29.01			30,96	1		4,48	0,03				21					
CARV	E	D	1	12.44.29.01			30,96	1		5,73	0				21					

QUATERLY BULLETTIN *July-September 2008*

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				

10/07/2008	3.52.14.14	.	.											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
CARN			1	3.52.14.14			15,78	1		33	0,05				22					
CARE	E	D	1	3.52.14.14			15,78	1		19,5	0,1				22					
CARV	E	D	1	3.52.14.14			15,78	1		41,4	0,06				22					

10/07/2008	7.54.05.28	.	.											0	OZOL					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZON			1	7.54.05.28			7,099	1		49,5	0,43				24					
OZOV	E	C	1	7.54.05.28			7,099	1		19,1	0,45				24					

10/07/2008	9.11.34.99	.	.											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	D	1	9.11.34.99			36,6	1		4,55	0,05				21							
CARV	I	D	1	9.11.34.99			36,6	1		9,2	0,05				21							
CARN	E	D	1	9.11.34.99			36,6	1		7,17	0,05				21							

10/07/2008	15.02.11.01	44.2716	11.4391		10		2,5	78	1	99	347	43	99	D	1,07	0	MONTERENZIO (BO)			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VAR	e	c	2	15.02.39.97	187,8	347	60,55	3	47			30,15	0,99	C	56	-4,6	0,99	-7,69		2
DDS	e	c	1	15.02.40.53	189,8	354	61,47	3	47			30,4	0,57	C	64	-4,27	0,99	-7,19		2,1
PANI	i	c	2	15.02.43.25	207,9	358	65,89	3	47			32,66	0,99	C	76	-3,86	0,99	-6,88		2,3
RNI	e		2	15.02.43.73	210	342	65,85	3	47			32,93	0,99		61	-3,64	0,99	-7,38		2

12/07/2008	4.17.46.78	.	.											0	RNI,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
RNIE			1	4.17.46.78			49,03	1		38,7	0,13				31					
RNIN			1	4.17.46.78			49,03	1		43,5	0,1				31					
RNIV	I	C	1	4.17.46.78			49,03	1		17,4	0,11				31					
CARN			1	4.17.54.94			62,68	1		1,82	0,06				30					
CARE			1	4.17.54.94			62,68	1		2,11	0,13				30					
CARV			1	4.17.54.94			62,68	1		3,07	2,6				30					

12/07/2008	6.02.11.40	.	.											0	VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARE			1	6.02.11.40			13,84	1		17	0,06				19					
VARN			1	6.02.11.40			13,84	1		32,9	0,08				19					
VARV	E	C	1	6.02.11.40			13,84	1		16,8	0,1				19					

12/07/2008	21.47.49.32	.	.											0	PAGA							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
PAGV			2	21.47.49.32			50	2		11	0				15							

QUATERLY BULLETTIN *July-September 2008*

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					

14/07/2008	3.51.39.03	45.6070	10.5380	19,1		3,3	291	4	6,7	200	13	11	D	0,24	0	SALO' (BS)				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	
VAR	e	d	2	3.51.46.00	42,2	48	51,77	2	103			7,42	1	D	160	0	1	-0,07		3,4	
RNI	e	d	1	3.51.46.87	46,3	13	53,21	3	102			8,09	0,5	D	164	0,2	2	0,17		3,4	
DDS	i	d	1	3.51.49.69	63,9	58	57,98	3	99			11,06	0,5	D	125	0,08	2	-0,29		3,1	
PANI	e	d	2	3.51.52.87	84,1	51	63,57	3	97			14,49	1	D	115	-0,16	2	-0,8		2,9	
CARE	i	d	1	3.51.54.81	95,7	9	66,71	3	96			16,46	0,5	D	143	-0,2	2	-1,17		3,1	

15/07/2008	2.34.05.10	.	.											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
VAR	e		0	2.34.05.10			19,62	2							80					
RNI	i	c	1	2.34.07.30			24,52	3							84					
OZOL	e		3	2.34.13.93																

15/07/2008	15.52.01.09	46.1420	11.2240	12,5		1,6	322	15	3,7	225	25	7,4	D	0,11	2	BASELGA DI P. (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	e		1	15.52.04.23	13,2	151	6,6	2	132			3,02	0,5		26	0,16	1	0		1,5	
DDS	e		1	15.52.06.51	30,9	189			111			5,64	0,5		24	-0,07		0		1,4	
VAR	e		1	15.52.08.79	45,5	217			104			8,0300	0,5		24	-0,15		0		1,4	
CARE	e		1	15.52.10.11	52,4	305			103			9,17	0,5		22	0,01		0		1,3	

15/07/2008	19.23.23.04	44.5673	11.0065	10		3	80	5	99	347	30	99	D	0,09	0	SPILAMBERTO (MO)			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
VAR	e		1	19.23.46.92	150,3	357	66,68	2	59			25,06	0,57		92	0,82	0,99	0,91		2,6
DDS	e		0	19.23.47.68	156,6	5			59			25,99	0,11			0,66		0		
RNI	e		1	19.23.49.45	169,8	350	71,92	2	47			27,9	0,57		102	0,44	0,99	0,97		2,7
PANI	e	c	1	19.23.50.38	176,8	8	73,73	2	47			28,77	0,57	C	109	0,49	0,99	1,21		2,7

16/07/2008	15.52.19.67	.	.											1	PANI,DDS			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
PANE	I	D	1	15.52.19.67			22,04	1		0,618	0,26				39					
PANV	I	C	1	15.52.19.67			22,04	1		0,321	0,1				39					
PANN			1	15.52.19.67			22,04	1		0,45	0,35				39					
DDSV	I	C	1	15.52.21.90			26,35	2		0,255	0,1				37					
DDSN			1	15.52.21.90			26,35	2		0,319	0,13				37					
DDSE	E	D	1	15.52.21.90			26,35	2		0,444	0,13				37					

17/07/2008	6.09.38.80	46.1098	12.7736	12,17		2,8	358	2	14	267	31	9	D	0,41	0	VIVARO (PN)				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	
PANI	e		2	6.09.58.22	111,5	267	74,21	2	59			19,17	1		95	0,08	1	0,98		2,7	
OZOL	e		1	6.10.01.86	136,7	284	20,29	3	59			22,88	0,5		105	0,07	2	0,57		2,7	
VAR	i	d	1	6.10.03.57	148,7	258	22,86	2	59			24,64	0,5	D	70	-0,03	1	-0,08		2,3	
CARE	e		2	6.10.05.52	164	283	26,08	2	59			26,9	1		64	-0,41	1	-1		2,2	

QUATERLY BULLETTIN July-September 2008

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			

18/07/2008	15.28.59.34	46.1370	11.2330	13,3		1,3	189	9	99	94	26	99	D	1,1	1	BASELGA DI P. (TN)			EXPL??		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	i	c	1	15.29.02.47	10	0	4,85	2	135			2,42	0,57	C	19	0,39	0,99	0,7		1,2	
DDS	i	c	0	15.29.04.75	14,5	232			125			3,01	0,11	C	17	2,17		0		1,1	
OZOL	e		1	15.29.05.39	53,8	336			101			9,36	0,57		18	-3,43		0		1,1	

18/07/2008	22.54.43.89	.	.											10	AUSTRIA	M 4.2(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
PANI	e		2	22.54.43.89											202					
DDS	e		2	22.54.46.03																
CARE	i	c	1	22.54.47.16			77,57	2							177					
VAR	e		2	22.54.49.47											181					

19/07/2008	12.34.41.46	46.5070	10.5160	7,3		1,8	5	0	99	95	30	99	D	0,49	0	STELVIO (BZ)				M 1.5(S)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	e		0	12.34.44.54	10	0	47,04	2	135			2,42	0,11		28	0,33	0,99	0,7			
OZOL	i	d	1	12.34.48.92	28,5	74	54,61	2	109			5,17	0,57	D	29	2,2	0,99	3,81		1,6	

19/07/2008	22.49.20.07	.	.											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
PANE			2	22.49.20.07			46,9	2		0,343	0,29				124					
PANN			2	22.49.20.07			46,9	2		0,328	0,27				124					
PANV			2	22.49.20.07			46,89	2		0,164	0,26				124					
RNIE			2	22.49.20.54			47,72	2		0,814	0,19				125					
RNIV			2	22.49.20.54			47,71	2		0,23	0,26				125					
RNIN			2	22.49.20.54			47,72	2		0,619	0,34				125					
OZOV			2	22.49.25.68			57,08	2		0,188	0,35				125					
OZON			2	22.49.25.69			57,08	2		0,426	0,34				125					

19/07/2008	23.30.08.08	47.0834	10.0481	18,75		3	257	14	37	358	35	45	D	0,59	0	SCHRUNS [A]				M 2.4(S)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
OZOL	i	c	2	23.30.25.05	101	130				59		17,05	1,01	C	98	-1,47		0		2,7	
RNI	e		2	23.30.29.25	120,9	158				59		19,98	1,01			-0,26		0			
PANI	e		2	23.30.33.22	144	136				59		23,37	1,01			0,31		0			
DDS	e		1	23.30.34.26	151,7	144	53,68	2	59			24,5	0,5			0,25	1,02	0,45			

20/07/2008	4.30.44.21	46.3630	10.6610	16		1,9	276	0	99	186	20	2,7	D	0,14	0	PEJO (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	4.30.47.17	6	6	49,62	2	146			1,85	0,1	C	32	0,56	1	1,28		1,8			
RNI	e		1	4.30.52.10	43,6	186	57,9	2	102			7,61	0,5		31	0,03	1	-0,15		1,6			

20/07/2008	9.00.21.42	.	.											0		VAR				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARV			1	9.00.21.42			23,28	1		25,9	0,08				18					
VARE			1	9.00.21.42			23,28	1		29,4	0,05				18					
VARN			1	9.00.21.42			23,28	1		45,6	0,05				18					

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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				

20/07/2008	16.49.54.62	46.7380	10.440	7		1,8	5	0	99	275	40	99	D	0,07	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	i	c	1	16.50.00.99	10	0	5,96	1	135			2,42	0,57	C	34	3,64	0,57	6,48			
OZOL	e		1	16.50.01.64	28,5	74			109			5,17	0,77		25	1,79		0		1,4	

21/07/2008	9.24.34.80	.	.											0	VAR	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
VARV	I	D	1	9.24.34.80			36,25	1		10	0,08									
VARN			1	9.24.34.80			36,25	1		16,3	0,08									
VARE			1	9.24.34.80			36,25	1		14,8	0,08									

21/07/2008	9.28.11.83	.	.											0	VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARV	E	C	1	9.28.11.83			13,33	1		13,4	0,08				19					
VARN			1	9.28.11.83			13,33	1		25,2	0,06				19					
VARE			1	9.28.11.83			13,33	1		18,4	0,1				19					

21/07/2008	18.42.18.00	.	.											0	VAR			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
VARV	I	C	1	18.42.18.00			19,84	1		10	0,08									
VARN			1	18.42.18.00			19,84	1		27,7	0,06									
VARE	E	C	1	18.42.18.00			19,84	1		21,6	0,06									

21/07/2008	21.22.36.38	.	.											0	VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARE			2	21.22.36.38			37,4	2		26,3	0,02				15					
VARN			2	21.22.36.38			37,4	2		35,7	0,02				15					
VARV			2	21.22.36.38			37,4	2		24,2	0,02				15					

22/07/2008	7.01.42.67	45.8620	10.8230	6,9		1,9	77	10	99	172	29	99	D	0,48	0	BEZZECCA (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			
VAR	i	c	0	7.01.44.32	10	0	45,72	2	135			2,42	0,11	C	33	-1,03	0,99	-1,68					
RNI	i	d	1	7.01.46.34	34,5	322			106			6,14	0,57	D	34	-2,61		0		1,8			
DDS	e		2	7.01.47.77	27,6	55	51,56	2	110			5,02	0,34		31	-0,06	0,12	-0,26		1,7			

22/07/2008	16.02.22.85	46.1520	11.2120	11,1		1,9	330	13	2,1	233	28	9	D	0,26	2	BEDOLLO (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	e		1	16.02.26.02	12	160	28,46	2	130			2,67	0,5		29	1,09	1	1,28		1,6	
DDS	i	d	1	16.02.28.39	31,1	193			108			5,59	0,5	D	37	0,67		0		1,9	
VAR	e		2	16.02.30.51	46,8	220	36,58	3	102			8,18	1		32	0,22	2	-0,14		1,7	
CARE	i	d	0	16.02.31.59	54,5	304			100			9,46	0,1	D		0		0			

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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				

22/07/2008	21.24.43.67	.	.											10	MANIAGO (PN)			M 2.2(O)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANE		2		21.24.43.67			59,17	2		1,58	0,16				78					
PANN		2		21.24.43.67			59,17	2		0,858	0,11				78					
PANV		2		21.24.43.67			59,17	2		0,404	0,24				78					
OZOV		2		21.24.47.37			65,97	2		0,364	0,38				78					
OZON		2		21.24.47.37			65,97	2		0,607	0,29				78					

23/07/2008	3.22.25.54	44.8695	11.1938	12,69		3,7	276	8	19	185	12	9,7	D	0,05	0	S. FELICE PAN. (MO)				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	
VAR	i	d	1	3.22.44.33	108,9	348	59,12	3	97			18,75	0,5	D	193	0,01	2	0,15		3,4	
DDS	i	d	1	3.22.44.89	112,3	360	60,07	2	59			19,24	0,5	D	192	-0,04	1	0,02		3,4	
RNI	i	d	1	3.22.47.77	131,3	340	64,89	3	59			22,04	0,5	D	204	0,02	2	-0,19		3,4	
PANI	i	d	2	3.22.47.88	131,8	5	65,1	2	59			22,1	1	D	174	0,06	1	-0,09		3,3	
OZOL	i	d	2	3.22.53.41	170,8	356	75,22	3	47			27,72	1	D	233	0,01	2	0,09		3,5	
CARE	e		1	3.22.54.37	177,2	347	76,67	3	47			28,51	0,5			0,02	2	-0,16			

23/07/2008	10.35.58.80	46.3540	10.8650	5,4		2,1	169	20	99	273	34	99	D	1,51	0	MALE' (TN)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag			
OZOL	i	c	0	10.36.01.53	10	0	3,83	2	135			2,42	0,11	C	48	0,14	0,99	0,44					
CARE	i	c	0	10.36.01.64	30,1	294	3,6	1	108			5,43	0,11	C	40	-2,75	0,57	-5,13		1,9			
RNI	e	d	1	10.36.06.62	49,6	222	12,75	2	101			8,66	0,57	D	33	-0,92	0,99	-1,6		1,7			

24/07/2008	2.07.04.62	44.7470	11.1861	14,69		3,2	71	7	21	337	30	30	D	0,31	0	CREVALCORE (BO)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag			
VAR	e	d	1	2.07.25.16	132	350	39,97	2	59			21,97	0,52	D		-3,14	0,99	-5,58					
DDS	i	d	1	2.07.25.74	135,9	0	41,35	2	59			22,54	0,52	D	140	-3,13	2,04	-5,22		3,1			
RNI	e	d	1	2.07.28.63	153,6	343	45,91	3	59			25,14	0,52	D	123	-2,87	0,99	-5,33		2,9			
PANI	i	d	1	2.07.28.89	155,3	4	46,46	3	59			25,4	0,52	D	122	-2,87	0,99	-5,24		2,9			

24/07/2008	17.19.03.14	46.1500	11.2580	14,8		1,9	346	1	99	255	45	99	D	0,65	0	BEDOLLO (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		1	17.19.06.57	2,1	130	8,95	2	168			1,75	0,57		31	1,09	0,99	1,85		1,7	
DDS	i	c	0	17.19.08.86	22,5	206			114			4,22	0,11	C	33	1,13		0		1,7	
OZOL	e	d	1	17.19.09.26	42,9	332	13,92	2	103			7,53	0,57	D	38	-1,72	0,99	-2,97		1,9	
VAR	e		1	17.19.11.28	41,6	231			104			7,31	0,57		30	0,5		0		1,6	

25/07/2008	6.14.13.83	.	.											0	VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARV	E	C	1	6.14.13.83			15,86	1		6,63	0,08				14					
VARE			1	6.14.13.83			15,86	1		8,64	0,05				14					
VARN			1	6.14.13.83			15,86	1		13,8	0,08				14					

QUATERLY BULLETTIN *July-September 2008*

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					

26/07/2008	19.59.27.79	45.9480	10.9000	13,6		1,7	329	14	1,9	63	15	3,3	D	0,02	0	DRO (TN)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VAR	i	c	1	19.59.31.07	13,4	180	33,69	2	133			3,13	0,5	C	28	0,01	1	0,03		1,6	
RNI	i	d	1	19.59.32.14	21,6	280	35,64	2	120			4,26	0,5	D	26	-0,01	1	0,04		1,5	
DDS	e		1	19.59.32.46	23,9	108	35,97	2	118			4,61	0,5		29	0	1	-0,19		1,6	
PANI	i	c	1	19.59.34.40	35,8	71			109			6,49	0,5	C	26	0,08		0		1,5	
CARE	e		0	19.59.37.51	55,3	344			103			9,6900	0,1		26	0		0		1,4	

29/07/2008	8.13.18.91	.	.											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
RNIV	I	C	1	8.13.18.91			20,02	1		4,9	0,1				16					
RNIN			1	8.13.18.91			20,02	1		17,7	0,14				16					
RNIE	E	D	1	8.13.18.91			20,02	1		12,7	0,16				16					

30/07/2008	14.59.34.30	46.0440	11.3270	14,8		1,8	324	0	99	234	33	5,5	D	0,27	0	LEVICO (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		1	14.59.36.81	0	0	38,81	2	180			1,71	0,5		31	0,43	1	0,83		1,7
VAR	e		2	14.59.41.80	42	234	47,58	2	103			7,38	1			0,01	1	-0,02		

30/07/2008	20.52.55.35	.	.											0	VAR		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
VARV			1	20.52.55.35				8		28,6	0,02									
VARN			1	20.52.55.35				8		54,6	0,03									
VARE			1	20.52.55.35				8		29,3	0,02									

01/08/2008	14.58.38.34	46.1500	11.2440	14,1		1,9	339	6	1	246	26	5,9	D	0,31	0	BEDOLLO (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		1	14.58.41.71	11,4	168	44,27	2	132			2,63	0,5		33	0,45	1	0,79		1,8
DDS	i	c	0	14.58.44.15	31,4	197			108			5,66	0,1	C	35	0		0		1,8
VAR	i	c	1	14.58.46.47	47,8	221	52,74	2	102			8,37	0,5	C	32	-0,36	1	-0,67		1,7
RNI	e	c	1	14.58.47.56	56,1	251			100			9,74	0,5	C	26	-0,65		0		1,4
CARE	e	c	0	14.58.47.65	56	303			100			9,73	0,1	C		-0,57		0		

02/08/2008	2.11.49.90	.	.											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
CARV			1	2.11.49.90			50,81	1		11,6	0,05				18					
CARE			1	2.11.49.90			50,81	1		24,1	0,05				18					
CARN			1	2.11.49.90			50,81	1		17,8	0,02				18					

02/08/2008	22.36.21.26	45.8410	10.9940	12		2,3	271	3	0,9	178	44	11	D	0,03	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
VAR	i	c	0	22.36.23.68	7,3	270	25,63	2	150			2,47	0,1	C	51	0	1	-0,18		2,2
DDS	i	c	0	22.36.24.64	16,4	69	27,24	2	127			3,53	0,1	C	50	0	1	-0,29		2,2
RNI	i	d	0	22.36.27.14	33,3	301	31,92	2	111			6,08	0,1	D	45	0	1	-0,06		2,1
PANI	i	d	2	22.36.27.85	36,4	47	32,48	2	109			6,58	1	D	54	0,21	1	-0,38		2,2

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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			

04/08/2008	15.51.45.40	46.1400	11.2030	10,7		2	223	33	10	76	52	35	D	0,28	2	BASELGA DI P. (TN)			EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e		1	15.51.48.45	11,9	151	50,81	2	134			2,81	0,5		43	0,02	1	0,01		2
DDS	i	c	1	15.51.50.67	29,9	191			111			5,46	0,5	C	40	-0,27		0		1,9
OZOL	e		3	15.51.51.08	33	331			109			5,97	2			-0,34		0		
CARE	e	c	1	15.51.54.18	53,6	306			102			9,36	0,5	C	26	-0,66		0		1,4

04/08/2008	17.24.50.32	46.1470	10.5750	0,7		1,9	112	4	99	20	30	99	D	0,82	0	MONTE ADAMELLO (BS)						
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
RNI	i	d	2	17.24.53.48	10	0				135		2,42	0,99	D	35	0,02		0		1,9		
CARE	i	c	0	17.24.55.96	59,6	5	59,98	2	100			10,33	0,11	C	32	-5,25	0,99	-9,34		1,7		
OZOL	i	c	0	17.24.58.33	65,9	30				99		11,39	0,11	C		-3,9		0				

06/08/2008	3.58.00.48	.	.											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	3.58.00.48			1,837	1		7,88	0,05				23					
CARN			1	3.58.00.48			1,837	1		9,1	0,05				23					
CARV	I	C	1	3.58.00.48			1,837	1		6,48	0,05				23					

06/08/2008	11.48.03.61	.	.											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
RNIN			1	11.48.03.61			4,265	1		20,9	0,11				18					
RNIV			1	11.48.03.61			4,265	1		7,12	0,05				18					
RNIE			1	11.48.03.61			4,265	1		20,6	0,14				18					

07/08/2008	4.01.57.75	.	.											0	VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARN			2	4.01.57.75			59,79	2		7,35	0,06				15					
VARV			2	4.01.57.75			59,79	2		4,32	0,08				15					
VARE			2	4.01.57.75			59,79	2		5,19	0,05				15					

07/08/2008	13.18.18.91	.	.											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	D	1	13.18.18.91			20,12	1		18,5	0				15							
CARN	I	D	1	13.18.18.91			20,12	1		24,3	0,02				15							
CARV	I	C	1	13.18.18.91			20,12	1		19,9	0,02				15							

07/08/2008	15.45.10.03	46.1250	11.2260	12,8		1,8	325	22	99	74	40	99	D	0,4	2	BASELGA DI P. (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	e		1	15.45.12.99	10	0	15,3	2	135			2,42	0,57		28	0,3	0,99	0,54		1,6	
DDS	i	c	0	15.45.15.19	14,5	232			125			3,01	0,11	C	30	2		0		1,7	
VAR	e		2	15.45.17.49	37	246			105			6,55	0,55		29	0,83		0		1,6	

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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				

07/08/2008	16.42.19.85	.	.										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
CARV	I	D	1	16.42.19.85			21,47	1		9,22	0,05				19					
CARN			1	16.42.19.85			21,47	1		8,56	0,08				19					
CARE	I	D	1	16.42.19.85			21,47	1		5,34	0,11				19					

07/08/2008	21.21.08.44	.	.										0	DDS,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
DDSV	I	D	1	21.21.08.44			9,276	1		32,9	0,03				26					
DDSN	E	C	1	21.21.08.44			9,276	1		80,1	0,06				26					
DDSE	E	C	1	21.21.08.44			9,276	1		90,4	0,06				26					
PANE			2	21.21.10.44			13,15	2		1,64	0,18				26					
PANV			2	21.21.10.44			13,15	2		2,07	0,13				26					
PANN			2	21.21.10.44			13,15	2		1,87	0,14				26					

08/08/2008	3.42.45.01	.	.										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
RNIN	E	D	1	3.42.45.01			46,02	1		87,1	0,13				23					
RNIE			1	3.42.45.01			46,02	1		96,5	0,14				23					
RNIV	E	C	1	3.42.45.01			46,02	1		30,8	0,08				23					

08/08/2008	6.50.12.50	.	.											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
CARV	I	C	0	6.50.12.50			14,29	1		4,64	0,02				25					
CARN	I	C	0	6.50.12.50			14,29	1		5,53	0,03				25					
CARE	I	D	0	6.50.12.50			14,29	1		5,3	0,02				25					

08/08/2008	9.37.21.63	.	.										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
CARV	I	D	1	9.37.21.63			23,22	1		10,1	0,05				18					
CARN			1	9.37.21.63			23,22	1		8,53	0,05				18					
CARE	I	D	1	9.37.21.63			23,22	1		4,92	0,03				18					

11/08/2008	5.19.34.47	45.8180	10.8370		5,6		3,1	286	3	1,1	17	23	14	D	0,17	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
VAR	i	d	0	5.19.35.66	11,4	40	36,76	2	121			2,29	0,1	D	128	-0,3	1	-1,11	3,2	
RNI	i	d	0	5.19.38.77	29,4	332			103			5,16	0,1	D	108	0,02		0	3	
DDS	i	d	0	5.19.39.42	33,4	64	43,14	2	102			5,82	0,1	D	88	0,02	1	-0,85	2,8	
PANI	e		2	5.19.42.54	53,2	51	48,63	3	97			9,17	1		118	-0,2	2	-1,3	3	
CARE	e	c	2	5.19.46.21	75,6	354			95			12,98	1	C	107	-0,33		0	2,9	

11/08/2008	5.23.18.25	.	.										0	VAR						
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARV	I	C	1	5.23.18.25			19,4	1		18,2	0,05				17					
VARE			1	5.23.18.25			19,4	1		30,7	0,06				17					
VARN			1	5.23.18.25			19,4	1		26,3	0,05				17					

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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				

11/08/2008	5.25.56.88	45.8330	10.9000	11,3		1,9	39	0	99	309	41	7,8	D	0,03	0	BRENTONICO (TN)			TREBLE 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
VAR	i	d	1	5.25.58.79	0	0	60,35	2	180			1,71	0,5	D	32	-0,01	1	-0,01		
RNI	e	d	2	5.26.01.93	27,4	309	5,78	3	110			4,98	1	D	35	0,05	2	-0,07		1,8

11/08/2008	5.43.55.27	.	.										0	VAR						
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARN			1	5.43.55.27			56,56	1		24,7	0,06				19					
VARE			1	5.43.55.27			56,56	1		20,8	0,06				19					
VARV	I	D	1	5.43.55.27			56,56	1		8,38	0,1				19					

11/08/2008	6.05.25.41	.	.										0	VAR						
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARV	E	D	1	6.05.25.41			26,57	1		17,1	0,06				23					
VARN			1	6.05.25.41			26,57	1		31,9	0,05				23					
VARE			1	6.05.25.41			26,57	1		30,5	0,05				23					

11/08/2008	7.21.39.95	.	.										0	VAR						
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARV	I	C	1	7.21.39.95			41,15	1		9,66	0,06				15					
VARN			1	7.21.39.95			41,15	1		14,7	0,03				15					
VARE			1	7.21.39.95			41,15	1		14,3	0,05				15					

11/08/2008	9.06.20.28	.	.										0	VAR						
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARE			1	9.06.20.28			21,3	1		12,9	0,05				17					
VARV	I	C	1	9.06.20.28			21,3	1		8,78	0,1				17					
VARN			1	9.06.20.28			21,3	1		17	0,03				17					

11/08/2008	12.42.16.84	.	.										0	VAR,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
VARV	E	C	1	12.42.16.84			18,04	1		20	0,06				23					
VARN			1	12.42.16.84			18,04	1		33,6	0,08				23					
VARE			1	12.42.16.84			18,04	1		31,1	0,1				23					
RNIN			1	12.42.19.94			24,07	2		3,67	0,14				22					
RNIE			1	12.42.19.94			24,07	2		3,42	0,16				22					
RNIV	I	D	1	12.42.19.94			24,07	2		1,38	0,1				22					

11/08/2008	20.44.13.68	.	.										0	VAR						
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARV	I	C	1	20.44.13.68			15	1		5,44	0,05				18					
VARN			1	20.44.13.68			15	1		8,2	0,1				18					
VARE	E	D	1	20.44.13.68			15	1		8,97	0,05				18					

QUATERLY BULLETTIN *July-September 2008*

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				

11/08/2008	23.23.46.51	.	.											0	VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARN			1	23.23.46.51			47,78	1		13,7	0,05				15					
VARV			1	23.23.46.51			47,78	1		8,39	0,05				15					
VARE			1	23.23.46.51			47,78	1		14	0,05				15					

12/08/2008	0.44.35.57	.	.												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
OZON		2		0.44.35.57			47,26	2		6,58	0,26					76				
OZOV		2		0.44.35.57			47,26	2		3,94	0,21					76				
CARE		2		0.44.39.73			53,81	2		4,63	0,13					75				
CARV		2		0.44.39.73			53,81	2		5,33	0,58					75				
CARN		2		0.44.39.73			53,81	2		4,15	0,08					75				

12/08/2008	3.52.25.06	46.7140	12.0910		14,1		2,8	241	9	99	145	33	99	D	0,28	0	VILLABASSA (BZ)		M 2.4(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
OZOL	i	c	1	3.52.40.13	98,9	251			96			16,99	0,57	C	94	-1,99		0		2,7
PANI	i	c	1	3.52.41.25	101,9	225			96			17,51	0,57	C	68	-1,4		0		2,3
CARE	i	c	0	3.52.44.09	124,4	256	58,77	3	59			21,25	0,11	C	78	-2,5	0,99	-4,57		2,4
DDS	i	c	1	3.52.44.70	123,5	223	60,11	3	59			21,13	0,57	C	93	-1,68	0,99	-2,86		2,6

12/08/2008	5.27.06.85	.	.												0	VAR,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
VARN		1		5.27.06.85			8,041	1		113	0,05					37				
VARE		1		5.27.06.85			8,041	1		93,6	0,08					37				
VARV		1		5.27.06.85			8,041	1		61,7	0,05					37				
RNIN		1		5.27.10.05			13,97	1		9,32	0,14					36				
RNIE		1		5.27.10.05			13,97	1		11,6	0,16					36				
RNIV	I	C	1	5.27.10.05			13,97	1		2,88	0,19					36				

12/08/2008	6.28.35.99	.	.												0	VAR				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARE		1		6.28.35.99			37,14	1		15,9	0,05					16				
VARV	I	C	1	6.28.35.99			37,14	1		9,5	0,05					16				
VARN		1		6.28.35.99			37,14	1		19,3	0,05					16				

12/08/2008	11.06.28.38	45.7550	10.8100		0,8		2	193	30	99	304	32	99	D	0,2	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
VAR	i	c	0	11.06.30.20	10	0	31,53	2	135			2,42	0,11	C	34	-0,8	0,99	-1,52		
RNI	e		1	11.06.33.31	34,5	322	37,3	3	106			6,14	0,57		36	-1,29	0,99	-2,16		1,8
DDS	e		2	11.06.33.99	27,6	55	38,34	3	110			5,02	0,99		40	0,51	0,99	0,87		1,9

12/08/2008	11.20.38.64	.	.												0	VAR				
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARN		1		11.20.38.64			39,81	1		32,2	0,05					19				
VARE		1		11.20.38.64			39,81	1		28,9	0,06					19				
VARV	E	D	1	11.20.38.64			39,81	1		17,1	0,1					19				

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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				

12/08/2008	14.25.14.55	45.8290	10.8940	10,1		1,8	39	0	99	129	54	16	D	0,02	0	NAGO - TORBOLE (TN)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag			
VAR	i	c	0	14.25.16.32	0,4	129	17,54	2	177			1,35	0,1	C	34	0,01	1	-0,06		1,8			
RNI	e		1	14.25.19.45	27	309	23,37	3	106			4,81	0,5		27	-0,12	2	-0,02		1,5			

12/08/2008	17.25.57.75	47.4846	12.4180	10		3,3	85	25	99	197	39	99	D	1,51	0	KITKBUHEL [A]		M 3.6(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
OZOL	e	c	1	17.26.24.07	151,6	224	51,58	3	59			25,26	0,57	C	142	9,52	0,99	17,24		3
CARE	e		1	17.26.26.77	169,9	231			47			27,91	0,57		137	9,36		0		2,9
PANI	e	c	2	17.26.26.80	170,8	209	55,95	3	47			28,03	0,99	C	161	9,36	0,99	16,47		3,1
DDS	i	c	1	17.26.29.46	192,9	210	60,76	3	47			30,79	0,57	C	142	9,3	0,99	16,43		2,9
RNI	e	c	1	17.26.31.07	208,7	222			47			32,76	0,57	C	156	8,9		0		3

12/08/2008	20.00.46.69	.	.											0	VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARV	E	C	1	20.00.46.69			48,7	1		41,1	0,08				20					
VARN			1	20.00.46.69			48,7	1		62,1	0,05				20					
VARE			1	20.00.46.69			48,7	1		42,2	0,06				20					

14/08/2008	4.02.20.67	46.1751	12.9070	10		2,7	348	5	99	254	30	99	D	1,89	0	PINZANO AL T. (PN)		M 2.2(O)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
PANI	e		2	4.02.42.57	121,7	269	53,45	3	59			20,86	0,99		86	-6,2	0,99	-11,72		2,6
DDS	e		2	4.02.44.80	135,1	261	58,58	3	59			22,83	0,99		81	-5,9	0,99	-10,04		2,5
OZOL	e		3	4.02.46.57	147,4	285			59			24,64	0,99		71	-5,91		0		2,3
VAR	e		3	4.02.49.33	158,3	260	66,4	3	59			26,25	0,99		77	-4,8	0,99	-8,33		2,4

14/08/2008	18.38.52.85	45.7960	10.8260	5,9		2,2	151	2	99	243	37	99	D	0,69	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			
VAR	e	d	1	18.38.54.24	10	0	55,6	2	135			2,42	0,35	D	41	-1,31	0,43	-2					
DDS	e		2	18.38.58.01	27,6	55	62,08	3	110			5,02	0,99		49	-0,03	0,99	0,05		2,2			
PANI	e		1	18.39.01.35	48,6	44	7,48	3	102			8,48	0,57		37	-0,13	0,99	-0,67		1,8			

14/08/2008	18.44.52.78	.	.											0	VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARN			1	18.44.52.78			53,91	1		17,7	0,03				15					
VARV	E	D	1	18.44.52.78			53,91	1		7,71	0,06				15					
VARE			1	18.44.52.78			53,91	1		17,7	0,08				15					

17/08/2008	11.54.21.74	.	.											0	VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARE			1	11.54.21.74			23,81	1		8,27	0,06				18					
VARN			1	11.54.21.74			23,81	1		12,1	0,06				18					
VARV	I	C	1	11.54.21.74			23,81	1		6,75	0,06				18					

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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			

19/08/2008	9.55.54.72	46.2646	13.1178	9,54		2,5	264	33	15	22	36	30	D	0,22	0	GEMONA (UD)			M 2.4(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	
PANI	e		2	9.56.18.44	139,8	261	36,88	3	59			23,56	1			-0,01	2	-0,08			
DDS	e		2	9.56.20.31	155,2	255	40,82	3	59			25,83	1		70	-0,39	2	-0,14		2,3	
VAR	e		1	9.56.24.06	178,5	255	47,41	3	47			29,05	0,5		67	0,09	2	0,62		2,2	
CARE	e		2	9.56.25.30	187,4	276	48,3	3	47			30,15	1			0,12	2	-0,64			

19/08/2008	16.55.23.78	44.8330	11.1191	10,27		3,5	280	4	24	11	10	11	D	0,29	0	S. FELICE PAN. (MO)			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	
VAR	e	d	1	16.55.43.02	111,8	351	58,07	3	95			19,2	0,5	D	169	0,02	2	0,07		3,3	
DDS	e	d	1	16.55.43.59	116,5	3	59,42	3	95			19,99	0,5	D	188	-0,2	2	0,01		3,4	
RNI	e	d	2	16.55.46.52	133,4	343			59			22,55	1	D	146	0,02		0		3,1	
PANI	e		2	16.55.46.97	136,4	7	64,16	2	59			23	1		167	0,02	1	-0,86		3,2	
OZOL	e		1	16.55.52.29	174,6	358			47			28,47	0,5		169	-0,1		0		3,2	
CARE	e	d	2	16.55.53.10	180	350	74,38	3	47			29,14	1	D	124	-0,12	2	-1,81		2,8	

20/08/2008	15.32.29.87	.	.											0	VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARV	I	C	1	15.32.29.87			31,15	1		7,5	0,05				17					
VARN			1	15.32.29.87			31,15	1		19,3	0,03				17					
VARE			1	15.32.29.87			31,15	1		16,6	0,05				17					

20/08/2008	20.58.44.23	.	.											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
CARV	I	D	1	20.58.44.23			45,88	1		4,38	0,08				20					
CARE	I	D	1	20.58.44.23			45,88	1		3,94	0,13				20					
CARN			1	20.58.44.23			45,88	1		5,09	0,06				20					

20/08/2008	21.05.20.16	.	.											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	1	21.05.20.16			21,78	1		13,9	0,03				22					
CARN			1	21.05.20.16			21,78	1		22,7	0,05				22					
CARV	I	D	1	21.05.20.16			21,78	1		20,6	0,05				22					

20/08/2008	23.26.14.76	.	.											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	23.26.14.76			16,32	1		5,33	0,06									
CARN			1	23.26.14.76			16,32	1		6,72	0,05									
CARV	I	D	1	23.26.14.76			16,32	1		7,5	0,05									

21/08/2008	7.38.13.90	.	.											0	VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARN			1	7.38.13.90			15,33	1		51	0,06				23					
VARE			1	7.38.13.90			15,33	1		41,4	0,06				23					
VARV	E	C	1	7.38.13.90			15,33	1		39,6	0,14				23					

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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				

21/08/2008	7.38.47.97	.	.											0	VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARN			1	7.38.47.97			49,37	1		63,8	0,06				23					
VARE			1	7.38.47.97			49,37	1		65,6	0,06				23					
VARV	E	D	1	7.38.47.97			49,37	1		53,3	0,05				23					

22/08/2008	4.39.47.02	.	.											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
CARV	I	D	1	4.39.47.02			48,65	1		7,09	0				18					
CARN			1	4.39.47.02			48,65	1		6,37	0,06				18					
CARE	I	D	1	4.39.47.02			48,65	1		4,76	0,03				18					

22/08/2008	16.02.53.46	.	.											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	C	0	16.02.53.46			54,77	1		3,56	0,03				19					
CARN	I	D	0	16.02.53.46			54,77	1		4,23	0,03				19					
CARV	I	C	0	16.02.53.46			54,77	1		5,97	0				19					

23/08/2008	1.14.25.27	46.4870	10.4980		10,8		1,8	202	25	99	94	35	99	D	0,97	0	S. CATERINA V. (SO)		M 1.4(S)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARE	i	c	0	1.14.28.61	10	0	31,41	2	135			2,42	0,11	C	30	0,4	0,99	1,07		
OZOL	i	c	0	1.14.32.97	28,5	74	38,9	3	109			5,17	0,11	C	30	2,26	0,99	4,11		1,6
RNI	e		1	1.14.35.41	39,7	188	42,72	2	104			7	0,57		30	2,86	0,99	4,64		1,6

23/08/2008	1.16.22.66	46.5240	10.4770		4,6		1,6	5	0	99	275	54	15	D	0,35	0	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	i	c	0	1.16.26.20	0	0	28,97	2	180			1,71	0,1	C	24	0	1	1,09		
OZOL	e		1	1.16.30.59	27,5	95	36,76	3	110			5,01	0,5			1,46	2	3,67		

23/08/2008	15.33.54.31	.	.											0	VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARN			1	15.33.54.31			55,68	1		16,5	0,05				18					
VARE			1	15.33.54.31			55,68	1		15,9	0,06				18					
VARV	I	C	1	15.33.54.31			55,68	1		10,6	0,06				18					

23/08/2008	21.11.58.88	45.8560	10.7840		3,4		1,8	345	0	99	255	53	15	D	0,16	0	BEZZECCA (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
VAR	i	d	0	21.12.00.54	0,3	75	1,97	2	178			1,57	0,1	D	29	0	1	-0,03		1,7
DDS	e		2	21.12.04.39	23,7	75	8,44	3	111			4,34	1		33	1,28	2	1,86		1,7

QUATERLY BULLETTIN July-September 2008

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			

23/08/2008	21.36.08.42	44.2178	10.6391	10			280	0	99	10	43	99	D	0,42	0	RIOLUNATO (MO)				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	
VAR	e		2	21.36.37.60	190	6	62,64	3	47			30,42	2,04			0,54	0,99	1,69			
DDS	e		2	21.36.39.60	199,5	12	66,46	3	47			31,61	0,18			1,36	0,99	3,41			
PANI	i	d	0	21.36.42.52	220,6	14	68,93	3	47			34,25	4,33	D		1,59	0,99	1,11			
OZOL	e		1	21.36.46.54	255	7			47			38,55	0,14			1,41		0			
CARE	e		2	21.36.47.11	255,3	1			47			38,59	0,99			1,78		0			

24/08/2008	1.42.02.82	.	.											0	VAR,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		
VARV			2	1.42.02.82			6,547	2		3,78	0,13				44							
VARE			2	1.42.02.82			6,547	2		7,12	0,1				44							
VARN			2	1.42.02.82			6,547	2		10,2	0,06				44							
RNIE			2	1.42.02.97			6,773	2		9,16	0,16				43							
RNIV			2	1.42.02.97			6,773	2		4,68	0,08				43							
RNIN			2	1.42.02.97			6,773	2		9,02	0,1				43							

24/08/2008	9.23.31.61	.	.											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARV	I	D	1	9.23.31.61			33,25	1		5,16	0,05				18					
CARN			1	9.23.31.61			33,25	1		3,4	0,05				18					
CARE	I	D	1	9.23.31.61			33,25	1		3,93	0,1				18					

25/08/2008	3.10.41.03	45.8610	10.0600	16,2		3,2	335	2	99	245	5	99	D	0,52	0	ROVETTA (BG)			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
RNI	i	d	0	3.10.49.27	69,4	61	56,21	3	98			11,98	0,11	D	139	-3,63	0,99	-6,07		3,2
VAR	e		1	3.10.52.20	83,8	78	61,71	2	97			14,43	0,57		126	-3,14	0,99	-4,91		3
CARE	e	d	1	3.10.55.17	106	38	65,39	2	95			18,21	0,57	D	114	-3,95	0,99	-7,96		2,9
DDS	e		1	3.10.56.10	107,1	77	68,05	3	95			18,39	0,57		124	-3,19	0,99	-5,6		3
OZOL	e		1	3.10.57.84	123,6	49	70,64	3	59			21,13	0,57		152	-4,28	0,99	-8,04		3,2
PANI	e		2	3.10.58.51	123,1	70	72,49	3	59			21,06	0,99		100	-3,6	0,99	-6,19		2,7

25/08/2008	15.56.09.58	.	.											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		
CARV	I	C	0	15.56.09.58			10,91	1		2,83	0,02				18							
CARN	I	D	0	15.56.09.58			10,91	1		3,64	0,06				18							
CARE	I	C	0	15.56.09.58			10,91	1		6,12	0,03				18							

26/08/2008	3.50.38.07	46.4651	12.9258	7,32		2,5	252	22	99	358	35	23	D	0,35	0	LAUCO (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	
PANI	e	c	2	3.51.00.11	128	254			93			21,91	1,43	C	84	-6,14		0		2,5	
OZOL	e	d	1	3.51.02.58	144,2	272			59			24,4	0,56	D	80	-6,25		0		2,4	
DDS	e	c	1	3.51.03.02	145,1	248	18,34	3	59			24,53	0,61	C	69	-5,98	0,99	-9,9		2,3	
CARE	e		2	3.51.06.87	171,7	273	24,13	3	59			28,44	1,09		57	-6,12	0,99	-11,22		2	
VAR	e	d	1	3.51.07.00	168,2	249	25,08	2	59			27,93	0,53	D	64	-5,4	0,99	-9,23		2,1	
RNI	e		2	3.51.09.85	183,1	257	28,97	3	47			29,88	0,99		59	-4,57	0,99	-8,940		2	

QUATERLY BULLETTIN *July-September 2008*

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			

26/08/2008	13.54.54.64	46.3450	10.8510	4,4		2,3	255	2	99	164	21	99	D	0,73	0	MALE' (TN)				M 1.9(S)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	i	c	0	13.54.57.33	17,4	322	59,25	2	120			3,43	0,11	C	50	-1	0,99	-1,93		2,2	
OZOL	i	c	0	13.54.57.61	20,2	56				116		3,86	0,11	C	42	-1,02		0		2	
RNI	i	c	0	13.55.02.19	39,2	205	8,2	3	104			6,91	0,11	C	46	0,52	0,99	1,08		2	
PANI	e		2	13.55.03.14	47,6	126				102		8,32	0,99		58	0,07		0		2,3	
VAR	e		3	13.55.04.49	52,9	175				101		9,21	0,99			0,55		0			

27/08/2008	3.20.00.18	46.5700	10.3380	12,8		1,4	79	30	99	329	31	99	D	0,85	0	BORMIO (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	3.20.06.07	10	0	10,67	2	135			2,42	0,99		20	3,14	0,99	5,6		
OZOL	e		2	3.20.10.32	28,5	74	18,19	3	109			5,17	0,99		21	4,88	0,99	8,67		1,3
RNI	e		1	3.20.12.20	39,7	188				104		7	0,44		19	4,92		0		1,1

27/08/2008	10.02.13.08	46.1440	11.2510	16,3		1,9	329	10	3,1	231	39	8,1	D	0,15	2	BASELGA DI P. (TN)			DOUBLE 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	10.02.16.69	12,6	144	19,11	2	138			3,24	0,5		30	0,04	1	-0,26		1,7
DDS	e		1	10.02.18.96	29,5	188			116			5,59	0,5		34	0,09		0		1,8
OZOL	e		2	10.02.19.32	32,4	333	24,37	2	114			6,04	1			0,04	1	0,31		
CARE	i	c	1	10.02.22.36	52,4	307			105			9,2800	0,5	C	30	-0,19		0		1,6

27/08/2008	19.35.34.78	46.5010	10.6910	6,6		1,2	329	38	19	188	45	4,2	D	0,28	0	SOLDA (BZ)							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag			
CARE	i	c	0	19.35.36.60	1,1	95	38,06	2	173			1,57	0,1	C	17	-0,18	1	-0,29		1,1			
OZOL	e		2	19.35.40.03	28,7	95	43,99	3	108			5,14	1		14	0,05	2	-0,05		0,8			
RNI	e		1	19.35.44.76	49,6	185				100		8,62	0,5		16	1,3		0		0,9			

28/08/2008	5.39.48.31	46.1723	13.1560	10,02		2,6	284	33	22	40	35	48	D	0,32	0	TREPPPO GRANDE (UD)					
st_name	p_rem	m	w_p	time_s	dist	azm	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		3	5.40.12.02	141,4	265	30,44	3	59			23,76	2		90	-0,22	2	-0,47		2,6	
DDS	e		3	5.40.14.11	155,7	259			59			25,86	2			-0,21		0			
VAR	e		2	5.40.17.61	179,1	258			47			29,06	1		67	0,04		0		2,2	
CARE	e		3	5.40.19.49	191,7	279	42,5	3	47			30,64	2		76	0,24	2	-0,88		2,3	

28/08/2008	10.05.46.17	46.1390	11.2380	13,9		1,6	324	9	31	232	14	69	D	0,51	1	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	10.05.49.36	1,8	144				170		1,81	0,28		28	1,35		0		1,6
DDS	i	c	2	10.05.51.63	22,9	207				115		4,3	1	C	24	1,36		0		1,4
VAR	e		2	10.05.54.03	42	231				104		7,4	1,22		22	0,69		0		1,3
CARE	e	c	2	10.05.55.42	62,8	310				99		10,88	4,77	C	24	-1,39		0		1,3

28/08/2008	21.01.07.46	.	.											0	VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARV	I	C	1	21.01.07.46			8,678	1		8,11	0,06				14					
VARE			1	21.01.07.46			8,678	1		12,2	0,13				14					
VARN			1	21.01.07.46			8,678	1		13,3	0,08				14					

QUATERLY BULLETTIN *July-September 2008*

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			

29/08/2008	7.52.23.79	.	.											0	DDS,VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
DDSV	I	C	1	7.52.23.79			25,82	1		4,15	0,05				24					
DDSN			1	7.52.23.79			25,82	1		8,45	0,05				24					
DDSE	E	D	1	7.52.23.79			25,82	1		10,6	0,08				24					
VARN			2	7.52.25.04			27,67	2		4,69	0,08				23					
VARE			2	7.52.25.04			27,67	2		3,26	0,08				23					
VARV			2	7.52.25.04			27,67	2		2,75	0,06				23					

29/08/2008	10.53.42.48	.	.											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
PANI	e	d	2	10.53.42.48			61,65	3							56					
DDS	e		2	10.53.45.80			66,77	3							61					
RNI	e		2	10.53.47.46																

29/08/2008	21.06.10.69	45.8570	11.5960	22,5		2,3	222	13	19	125	29	64	D	0,87	0	VALSTAGNA (VI)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	e		2	21.06.16.99	13,7	0	22,01	3	140			3,67	1,83		50	2,21	0,99	4,16		2,2	
DDS	i	c	1	21.06.17.16	12,4	245	22,53	3	143			3,53	1,3	C	53	2,56	3,66	5		2,3	
VAR	e		2	21.06.20.94	35,6	252	28,13	3	115			6,71	2,29			3,26	3,66	5,12			

30/08/2008	18.25.41.57	45.7600	11.1910	12,7		1,7	301	0	99	211	63	12	D	0,3	0	PASUBIO (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	
DDS	i	d	0	18.25.44.65	0	0	47,19	2	180			1,71	0,1	D	24	-0,97	1	0,01			
PANI	i	c	1	18.25.47.92	22,1	31	52,63	2	114			4,15	0,5	C	30	0	1	1,36		1,7	

31/08/2008	4.33.19.74	46.3683	12.9280	11,43		2,8	129	39	33	249	32	11	D	0,38	0	VERZEGNIS (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	
PANI	e		2	4.33.41.35	127,9	255	58,97	2	59			21,65	1		116	-0,21	1	0,38		2,9	
OZOL	e	c	2	4.33.43.59	144,4	272			59			24,07	1	C	95	-0,33		0		2,6	
DDS	e	d	2	4.33.43.96	145	249	62,32	3	59			24,16	1	D	93	-0,08	2	-0,68		2,6	
VAR	e		2	4.33.47.59	168,1	250	68,37	3	47			27,52	1		89	0,12	2	-0,72		2,5	
CARE	e		2	4.33.48.23	171,9	273	68,74	3	47			27,99	1		75	0,19	2	-1,37		2,3	
RNI	e		2	4.33.49.70	183,1	257	72,25	3	47			29,4	1		76	0,33	2	-0,22		2,3	

01/09/2008	8.38.19.56	46.6820	10.5020	12,9		2	259	3	99	349	4	99	D	0,15	0	MALLES VENOSTA (BZ)				M 2.2(S)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	i	d	0	8.38.25.48	40,1	144	30,16	3	104			7,07	0,11	D	46	-1,28	0,99	-2,2		2	
OZOL	e	c	1	8.38.28.72	61,6	124	35,99	3	99			10,67	0,57	C	40	-1,57	0,99	-2,65		1,9	
RNI	i	d	1	8.38.33.18	83,9	168			97			14,44	0,57	D	33	-0,88		0		1,6	
PANI	e		2	8.38.36.04	103,8	135	48,7	3	96			17,83	0,99		40	-1,41	0,99	-2,69		1,8	
VAR	e		2	8.38.36.71	106,5	158			95			18,28	0,99			-1,19		0			
DDS	e		3	8.38.37.43	111,6	146	51,3	3	95			19,16	0,99		30	-1,34	0,99	-2,44		1,5	

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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				

01/09/2008	9.58.37.11	.	.											0	VAR,DDS					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARN			1	9.58.37.11			39,25	1		14,7	0,11				26					
VARV	E	C	1	9.58.37.11			39,25	1		6,7	0,1				26					
VARE			1	9.58.37.11			39,25	1		17,9	0,06				26					
DDSE			1	9.58.37.49			39,88	1		2,58	0,03				26					
DDSV	I	C	1	9.58.37.49			39,88	1		1,65	0,13				26					
DDSN			1	9.58.37.49			39,88	1		4,32	0,1				26					

01/09/2008	15.37.31.47	.	.											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
CARN			1	15.37.31.47			33,33	1		13,7	0,05				27					
CARE	E	C	1	15.37.31.47			33,33	1		17	0,05				27					
CARV	E	D	1	15.37.31.47			33,33	1		26,5	0,06				27					
OZON	E	C	1	15.37.31.77			34	2		4,77	0,21				27					
OZOV	I	C	1	15.37.31.77			34	2		2,9	0,16				27					

03/09/2008	10.03.17.60	.	.											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
PANN			1	10.03.17.60			19,98	1		3,43	0,16				31					
PANE			1	10.03.17.60			19,98	1		4,47	0,08				31					
PANV			1	10.03.17.60			19,98	1		2,48	0,06				31					

03/09/2008	10.08.47.57	.	.											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
PANV	E	C	1	10.08.47.57			49,44	1		7,82	0,19				24					
PANN			1	10.08.47.57			49,44	1		8,32	0,19				24					
PANE			1	10.08.47.57			49,44	1		17,8	0,18				24					

04/09/2008	8.28.46.05	.	.											10	SCALETTAPASS [CH]		M 2.2(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
CARN			2	8.28.46.05			54,33	2		11,9	0,05				58					
CARE			2	8.28.46.05			54,33	2		9,34	0,08				58					
CARV			2	8.28.46.05			54,33	2		8,14	0,05				58					
RNIE			2	8.28.51.35			63,14	2		16,9	0,16				55					
RNIN			2	8.28.51.35			63,14	2		14,9	0,11				55					
RNIV			2	8.28.51.35			63,14	2		8,05	0,06				55					

04/09/2008	9.46.15.44	46.1890	11.2110		7		1,6	324	0	99	54	43	99	D	0,4	2	CEMBRA (TN)				EXPL?	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
PANI	e	c	1	9.46.18.75	10	0	21,34	2	135			2,42	0,57	C	25	0,66	0,99	1,18		1,5		
VAR	i	c	1	9.46.23.56	37	246			105			6,55	0,57	C		1,5		0				

QUATERLY BULLETTIN *July-September 2008*

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				

04/09/2008	22.50.42.36	.	.											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
VAR	e	d	2	22.50.42.36											64					
DDS	e	d	2	22.50.42.60											72					
PANI	e		3	22.50.45.59			67,17	3							61					
RNI	e		3	22.50.47.59											48					

05/09/2008	3.54.36.25	44.7886	10.4190	10,03			2,1	103	2	36	11	31	21	D	0,4	0	PARMA			
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VAR	e		2	3.54.57.58	121,4	18			59			20,81	1		39	0,37		0		1,7
RNI	e		2	3.54.58.93	133,5	7	78,06	3	59			22,59	1		41	-0,07	2	1,31		1,8
DDS	e		2	3.54.59.10	135,5	26			59			22,88	1		48	-0,17		0		1,9
PANI	e		2	3.55.02.20	157,5	27	23,22	3	59			26,13	1		49	-0,35	2	0,16		1,9

05/09/2008	21.08.54.21	45.8990	10.9350	10			1,5	198	27	99	304	29	99	D	0,04	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
VAR	e		2	21.08.56.71	10	0	58,75	2	135			2,42	0,99		20	-0,15	0,99	-0,16		
DDS	i	c	0	21.08.58.19	27,6	55			110			5,02	2,22	C	23	-1,16		0		1,4
PANI	e		2	21.09.00.63	48,6	44	5,51	3	102			8,48	0,99		19	-2,16	0,99	-3,95		1,1

06/09/2008	13.19.15.67	.	.												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
PANV			2	13.19.15.67				8		0,298	0,08									
PANE			2	13.19.15.68				8		0,401	0,11									
PANN			2	13.19.15.68				8		0,378	0,11									
DDSN			2	13.19.16.28				8		0,575	0,05									
DDSV			2	13.19.16.28				8		0,413	0,58									
DDSE			2	13.19.16.28				8		0,504	0,06									
VARN			2	13.19.20.01				8		1,6	0,08									
VARV			2	13.19.20.01				8		0,846	0,13									
VARE			2	13.19.20.01				8		1,45	0,18									

06/09/2008	13.21.25.29	.	.												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
PANE			2	13.21.25.29				8		0,263	0,11									
PANV			2	13.21.25.29				8		0,229	0,08									
PANN			2	13.21.25.29				8		0,263	0,11									
DDSV			2	13.21.25.95				8		0,312	0,61									
DDSN			2	13.21.25.95				8		0,552	0,03									
DDSE			2	13.21.25.95				8		0,7	0,05									
VARV			3	13.21.28.02				8		0,694	0,13									
VARN			3	13.21.28.02				8		1,54	0,08									
VARE			3	13.21.28.02				8		1,49	0,08									

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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			

07/09/2008	18.52.33.32	.	.											10	P. ARERA [I]				M 2.1(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		
RNIV	I	D	1	18.52.33.32			41,11	2		0,882	0,37				71							
RNIE			1	18.52.33.32			41,11	2		2,86	0,22				71							
RNIN			1	18.52.33.32			41,11	2		3,4	0,19				71							
CARN			2	18.52.37.99			49,5	3		0,348	0,96				73							
CARV			2	18.52.37.99			49,49	3		0,431	1,9				73							
CARE			2	18.52.37.99			49,5	3		0,347	0,64				73							
PANV			2	18.52.42.89			56,65	2		0,282	0,61				72							
PANE			2	18.52.42.90			56,64	2		0,473	0,26				72							
PANN			2	18.52.42.90			56,64	2		0,397	0,38				72							

08/09/2008	19.48.30.15	.	.											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
CARV	I	C	1	19.48.30.15			31,79	1		3,52	0				18					
CARN	I	D	1	19.48.30.15			31,79	1		3,3	0,03				18					
CARE	E	C	1	19.48.30.15			31,79	1		4,12	0,38				18					

08/09/2008	21.48.06.91	.	.											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
CARV	I	D	0	21.48.06.91			9,237	1		7,7	0,06				24					
CARN	I	C	0	21.48.06.91			9,237	1		7,69	0,05				24					
CARE	I	D	0	21.48.06.91			9,237	1		7,39	0,05				24					

08/09/2008	23.56.14.01	.	.											0	CARE					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
CARV	E	D	1	23.56.14.01			15,6	1		4,75	0,02				21					
CARE			1	23.56.14.01			15,6	1		6	0				21					
CARN	E	C	1	23.56.14.01			15,6	1		6,47	0,03				21					

09/09/2008	10.02.09.38	46.0530	11.4460	11,9		1,5	301	0	99	31	40	62	D	0,93	0	RONCEGNO (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	10.02.11.87	9,1	356	13,84	2	137			2,27	1,53		24	-0,04	2,99	-0,03		1,5	
DDS	i	c	1	10.02.14.54	15,5	230	18,52	3	122			3,13	1,73	C	18	1,87	0,55	3,3		1,1	

09/09/2008	15.49.38.31	46.0040	11.5530		7		1,8	301	0	99	211	42	10	D	0,68	0	BORGIO VALSUGANA (TN)		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
PANI	e	c	1	15.49.41.56	10,2	1	44,09	2	135			2,44	0,52	C		0,57	1,53	1,01		
DDS	e		2	15.49.43.80	14,3	232			125			2,98	1,03		28	2,34		0		1,6

09/09/2008	16.08.22.63	.	.											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
CARV	I	C	0	16.08.22.63			23,99	2		2,47	0,03				18					
CARN	I	D	0	16.08.22.63			23,99	2		2,52	0,08				18					
CARE	I	C	0	16.08.22.63			23,99	2		2,11	0,11				18					

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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					

10/09/2008	10.24.59.37	46.1450	11.2200	12,25		1,6	339	7	5,3	245	28	11	D	0,07	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		2	10.25.02.55	13,3	144	5,01	3	133			3,09	1		28	0,02	2	-0,1		1,6
DDS	i	c	1	10.25.04.84	29,9	187			112			5,52	0,5	C	30	0		0		1,6
OZOL	e		2	10.25.05.22	31,7	334			111			5,82	1		24	0,12		0		1,4
VAR	e		2	10.25.07.13	44,1	216			106			7,82	1		23	0,02		0		1,3
CARE	e		2	10.25.08.26	51,7	307			103			9,09	1		22	-0,14		0		1,3

10/09/2008	12.35.12.44	46.3760	10.4880	5,8		1,9	297	12	10	204	11	3,7	D	0,19	0	S. CATERINA V. (SO)			M 2.3(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	12.35.15.44	23,7	92	17,97	2	113			4,39	0,1	C	31	0	1	-1,03		1,7
OZOL	e	c	2	12.35.19.76	51,2	93			101			8,92	1	C	35	-0,08		0		1,8
RNI	i	d	1	12.35.20.32	53,4	160	26,18	2	101			9,29	0,5	D	39	0,09	1	-1,34		1,9
VAR	e	c	2	12.35.24.25	78	149			97			13,45	1	C	29	-0,12		0		1,5
PANI	e		2	12.35.25.39	84,5	120	35,22	3	97			14,55	1		38	-0,08	2	-1,63		1,8
DDS	e		2	12.35.25.73	87,2	134	35,99	3	97			15,01	1		29	-0,19	2	-1,66		1,5

10/09/2008	13.24.42.16	47.7488	11.3275	10		2,3	44	22	99	300	32	99	D	2,12	0	HABACH [D]			M 2.4(S)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
OZOL	e		3	13.25.06.70	141,1	189				59		23,72	0,99		56	-7,52		0		2	
CARE	e		2	13.25.06.70	145,4	200				59		24,35	0,99		62	-8,27		0		2,1	
PANI	e		3	13.25.13.46	178,8	180	31,82	3	47			29,02	0,99		53	-6,19	0,99	-10,64		1,9	
RNI	e		3	13.25.15.79	194,1	196				47		30,94	0,99		55	-5,77		0		1,9	
DDS	e		3	13.25.16.74	198	183	36,92	3	47			31,43	0,99		61	-5,28	0,99	-9,76		2	
VAR	e		2	13.25.18.82	206,2	189				47		32,46	0,99		45	-4,23		0		1,7	

10/09/2008	13.33.29.54	47.7178	11.2213	8,46		2,1	77	21	93	184	38	99	D	0,88	0	MURNAU [D]				M 2.5(S)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	e		2	13.33.52.20	139,6	197				59		23,63	0,99		46	-7		0		1,8	
OZOL	e		3	13.33.52.38	136,7	185				59		23,21	2,03		57	-6,27		0		2,1	
PANI	e	d	2	13.33.59.08	175,5	177	77,66	3	47			28,8	1	D	41	-5,28	0,99	-9,34		1,7	
RNI	e		3	13.34.00.90	188,7	194				47		30,44	2		50	-5,1		0		1,8	
DDS	e		2	13.34.02.31	194,3	181	23,29	3	47			31,14	1		49	-4,36	0,99	-7,82		1,8	
VAR	e		2	13.34.04.21	201,7	187				47		32,07	1,01		44	-3,39		0		1,7	

10/09/2008	15.44.29.55	46.1560	11.2570	15		1,6	337	20	99	230	39	99	D	0,64	1	BEDOLLO (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	15.44.32.99	2,7	184	35,59	3	165			1,77	0,57		27	1,23	0,99	2,2		1,6
DDS	e		2	15.44.35.41	24,6	208			112			4,53	0,99		24	1,11		0		1,4
OZOL	e		3	15.44.35.55	42,6	329			103			7,48	0,99		21	-1,63		0		1,3
VAR	e		3	15.44.37.88	43,8	231			103			7,68	0,99		21	0,48		0		1,2

11/09/2008	1.41.40.61	.	.											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
CARV	I	C	1	1.41.40.61			41,55	1		11	0,02				16					
CARE	E	D	1	1.41.40.61			41,55	1		10,8	0,02				16					
CARN	I	D	1	1.41.40.61			41,55	1		23,9	0,02				16					

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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					

11/09/2008	6.33.32.19	45.8960	10.6710	12		1,8	154	3	6,4	246	32	22	D	0,1	0	STORO (TN)			DOUBLE EV. M 1.7(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	
RNI	e	d	1	6.33.34.76	10,2	343	37,09	2	134			2,43	0,5	D	26	-0,08	1	0,18		1,5	
VAR	e		2	6.33.36.06	19,7	112			117			3,78	1		33	-0,03		0		1,8	
CARE	i	c	1	6.33.42.57	59,1	2	50,35	2	100			10,24	0,5	C	30	0,08	1	-0,19		1,6	

11/09/2008	6.43.02.51	.	.											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
RNIN			1	6.43.02.51			4,572	1		27,4	0,1				33					
RNIE			1	6.43.02.51			4,572	1		25,6	0,06				33					
RNIV	I	C	1	6.43.02.51			4,572	1		21,9	0,06				33					

11/09/2008	9.08.05.19	46.7300	11.1680	12,9		2,3	85	6	8,2	355	6	16	D	0,32	0	MERANO (BZ)			M 1.9(S)	
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZOL	e		2	9.08.12.00	45,6	190				100		7,92	1		50	0,13		0		2,1
CARE	e	c	2	9.08.13.71	55,4	220	20,79	2	98			9,58	1	C	45	0,15	1	-0,29		2
PANI	e		1	9.08.18.49	85,1	171	28,82	3	96			14,62	0,5		52	-0,07	2	-1,17		2,1
RNI	e		2	9.08.21.47	100,6	204				95		17,26	1		47	0,27		0		2
DDS	e		2	9.08.21.58	103	179	34,02	3	95			17,67	1		44	-0,02	2	-1,38		1,9

11/09/2008	23.11.29.81	44.8908	10.4100	10		2,7	118	5	99	25	34	99	D	0,28	0	TORRILE (PR)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
VAR	e		2	23.11.49.46	120,3	18	66,01	3	95			20,64	0,99		71	0,56	0,99	0,99		2,4	
RNI	e		1	23.11.50.80	132,2	7			59			22,4	0,57		65	-0,01		0		2,3	
DDS	e		2	23.11.51.19	134,6	27			59			22,75	0,99		75	0,05		0		2,4	
PANI	e	c	2	23.11.54.19	156,6	27			59			26	0,99	C	76	-0,22		0		2,4	

12/09/2008	5.39.36.79	.	.											0	VAR,DDS					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARE			1	5.39.36.79			38,8	1		49,8	0,06				19					
VARV			1	5.39.36.79			38,8	1		41,5	0,06				19					
VARN			1	5.39.36.79			38,8	1		59,6	0,08				19					
DDSE			1	5.39.37.54			40,09	1		10,3	0,11				19					
DDSN			1	5.39.37.54			40,09	1		5,12	0,06				19					
DDSV	I	D	1	5.39.37.54			40,09	1		4,43	0,22				19					

13/09/2008	23.08.37.49	.	.											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
VAR	e		2	23.08.37.49											73					
RNI	e		2	23.08.42.64			69,35	3							64					
OZOL	e		3	23.08.46.55											78					

15/09/2008	16.28.22.78	.	.											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
CARV	I	C	1	16.28.22.78			23,86	1		12,6	0,03				18					
CARN	I	D	1	16.28.22.78			23,86	1		12,6	0				18					
CARE			1	16.28.22.78			23,86	1		15,1	0				18					

QUATERLY BULLETTIN *July-September 2008*

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			

15/09/2008	17.27.11.94	46.8768	11.1543	12,02		2	102	7	19	11	7	23	D	2,31	0	MOSO PASSIRIA (BZ)				M 2.0(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			
OZOL	e	d	2	17.27.20.92	43,3	191				106		7,69	1,02	D	56	9,13		0		2,2			
CARE	e		2	17.27.21.56	53,5	221	35,18	3	103			9,37	1,05		42	8,04	2,01	14,28		1,9			
DDS	e	d	2	17.27.30.22	100,8	178	50,68	3	97			17,36	1,02	D	44	8,7800	2	15,68		1,9			

15/09/2008	18.56.09.82	45.8400	11.3090	3,2		1,6	245	8	99	149	37	99	D	0,35	0	LASTEBASSE (VI)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
DDS	i	c	0	18.56.11.61	10	0	13,2	3	135			2,42	0,11	C	25	-0,83	0,99	-1,28			
PANI	e		2	18.56.13.97	31,1	21	16,98	3	108			5,59	0,99			-1,54	0,99	-2,97			
VAR	e		2	18.56.15.28	23	280	19,57	2	114			4,28	0,99		22	1,06	0,99	1,92		1,3	

16/09/2008	0.29.13.84	.	.											0	CARA							
st_name	p_rem	m	w_p	time_s	dist	azm	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	0.29.13.84			14,54	1		26,6	0,05				18							
CARV	I	D	0	0.29.13.84			14,54	1		16,1	0,02				18							
CARN	I	C	0	0.29.13.84			14,54	1		21	0,06				18							

16/09/2008	10.08.23.47	46.1440	11.2190	12,9		1,7	339	8	6,7	245	26	8,6	D	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		1	10.08.26.69	13	143	29,18	3	134			3,09	0,5		27	0,02	2	-0,09		1,6
DDS	i	c	1	10.08.28.93	29,5	187			113			5,49	0,5	C	27	-0,01		0		1,5
OZOL	e		2	10.08.29.30	32,1	334			111			5,89	1		27	-0,01		0		1,5
VAR	e		2	10.08.31.20	43,7	217			106			7,78	1		24	-0,01		0		1,4

17/09/2008	5.57.54.46	.	.											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
CARV	E	D	1	5.57.54.46			56,06	1		8,7	0,06				21					
CARE	I	D	1	5.57.54.46			56,06	1		5,52	0,05				21					
CARN			1	5.57.54.46			56,06	1		8,42	0,06				21					

17/09/2008	7.52.01.25	.	.											0	OZOL					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
OZON			1	7.52.01.25			2,438	1		60	0,5				27					
OZOV	I	C	1	7.52.01.25			2,438	1		9,01	0,48				27					

17/09/2008	18.52.10.74	.	.											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
CARV			1	18.52.10.74			12,11	1		5,84	0				19					
CARE			1	18.52.10.74			12,11	1		4,53	0,1				19					
CARN			1	18.52.10.74			12,11	1		4,16	0,02				19					

QUATERLY BULLETTIN *July-September 2008*

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				

17/09/2008	22.10.37.16	47.1146	11.3218	10		2,8	344	2	99	252	25	99	D	0,4	0	STUBAITAL [A]				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	
OZOL	e		2	22.10.51.56	72,1	197			98			12,44	0,99		107	-1,39		0		2,9	
CARE	e	c	2	22.10.53.15	82,2	216	63,25	3	97			14,15	0,88	C	58	-1,53	0,99	-2,51		2,2	
PANI	e		3	22.10.57.66	108,3	179	71,05	3	95			18,59	0,99		92	-1,43	0,99	-2,56		2,6	
RNI	e	d	2	22.11.00.68	127,8	205			59			21,76	0,99	D	95	-1,73		0		2,6	
DDS	e		2	22.11.00.82	127,7	185	16,49	3	59			21,74	0,99		70	-1,53	0,99	-2,93		2,3	

18/09/2008	16.06.27.66	46.1370	11.1980	9,9		1,4	334	13	99	235	34	99	D	1,47	0	BASELGA DI P.(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	16.06.30.59	4,1	95	32,96	3	158			1,85	0,99		24	0,88	0,99	1,56		1,4	
DDS	e		2	16.06.32.85	20,7	201			116			3,92	0,99		18	1,25		0		1,1	
OZOL	e		2	16.06.33.35	42,7	335			103			7,5	0,99		18	-1,75		0		1,1	
CARE	e	c	2	16.06.36.38	61,2	312			99			10,61	0,99	C	21	-1,85		0		1,2	

21/09/2008	6.28.54.82	.	.											0	NORTHERN ITALY			M 1.3(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	6.28.54.82			56,85	1		22,5	0,1				36					
CARN	I	D	0	6.28.54.82			56,85	1		15,4	0,02				36					
CARV	I	C	0	6.28.54.82			56,85	1		11,9	0,11				36					

21/09/2008	7.08.24.17	.	.											0	DDS							
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag		
DDSN	E	C	1	7.08.24.17			24,88	1		41,5	0,06				19							
DDSV	I	D	1	7.08.24.17			24,88	1		16	0,05				19							
DDSE	I	C	1	7.08.24.17			24,88	1		40,5	0,06				19							

21/09/2008	10.49.15.65	44.2255	11.4643	8,31		2,7	266	5	99	1	42	30	D	0,38	0	CASTEL DEL RIO (BO)		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
VAR	e		2	10.49.45.30	193,2	347				47		31,03	1		81	-1,99		0		2,4
DDS	e		3	10.49.46.27	195,1	354	69,83	3	47			31,26	2		73	-1,25	2	-2,22		2,3
PANI	e		3	10.49.48.33	213,1	357				47		33,51	2		86	-1,48		0		2,4
RNI	e		3	10.49.48.95	215,5	342				47		33,81	2		84	-1,15		0		2,4

22/09/2008	15.12.33.64	.	.											0	VAR					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag
VARN			1	15.12.33.64			35,72	1		30,2	0,06				20					
VARV			1	15.12.33.64			35,72	1		14,9	0,18				20					
VARE			1	15.12.33.64			35,72	1		15,3	0,05				20					

23/09/2008	20.47.45.05	46.5040	10.7320	11,8		1,6	56	19	99	311	36	99	D	0,45	0	VAL MARTELLO (BZ)			DOUBLE EV. M 1.4(S)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	i	c	0	20.47.47.51	10	0	49,7	2	135			2,42	0,11	C	22	-0,27	0,99	-0,21			
OZOL	e		2	20.47.50.08	28,5	74			109			5,17	0,99		27	-0,2		0		1,5	
RNI	e		2	20.47.55.42	39,7	188	63,24	3	104			7	0,99		20	3,29	0,99	5,59		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					

23/09/2008	21.17.19.79	46.5160	10.7220	11,4		1,9	150	1	15	60	17	6,5	D	0,1	0	VAL MARTELLO (BZ)			M 1.8(S)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	i	c	0	21.17.22.37	18,1	174	24,59	2	122			3,63	0,1	C	30	0	1	-0,79		1,7	
OZOL	i	d	1	21.17.24.94	35,6	125			107			6,38	0,5	D	42	-0,01		0		2	
RNI	i	c	1	21.17.30.22	67,4	183	38,13	3	99			11,68	0,5	C	29	-0,02	2	-1,26		1,5	
DDS	e	d	2	21.17.33.63	88,1	153			97			15,18	1	D	31	-0,09		0		1,6	

23/09/2008	21.21.21.02	46.5040	10.4330	11,7		1,2	54	13	9,7	157	46	6,4	D	0,19	0	VAL MARTELLO (BZ)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
CARE	i	c	0	21.21.23.47	1,3	275	25,7	2	173			1,87	0,1	C	14	0,02	1	0,44		0,9	
OZOL	i	d	2	21.21.26.05	26,2	95			112			4,85	1	D	14	-0,03		0		0,8	
RNI	e		2	21.21.31.32	49,7	188	39,17	3	102			8,6900	1		17	1,41	2	2,43		1	

24/09/2008	11.46.29.83	46.3520	10.7970	8		1,8	350	50	8,2	84	4	22	D	0,41	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	0	11.46.32.17	0	356	34,01	1	180			1,9	0,1	D	32	0	0,5	0,01	1,8				
RNI	e	d	1	11.46.37.37	49,6	186	43,23	3	103			8,6900	0,5	D	28	-1,22	2	-2,2	1,5				
VAR	e		2	11.46.40.01	68,2	167	47,89	2	99			11,82	1		28	-1,68	1	-3,05	1,5				

24/09/2008	18.35.45.82	46.2480	12.9180	9,23		2,1	278	17	99	177	31	65	D	0,24	0	CLAUZETTO (PN)			M 2.2(O)		
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
PANI	e		3	18.36.06.86	123	265			94			21,08	2,55		54	-2,84		0		2,1	
DDS	e	d	2	18.36.09.42	137,4	258	25,65	3	59			23,24	1,11	D	45	-2,56	0,99	-4,56		1,8	
CARE	e	d	2	18.36.14.50	173,9	281	34,72	3	47			28,5	1,06	D	42	-2,9	0,29	-5,14		1,7	
RNI	e		3	18.36.15.73	178,7	264			47			29,1	2,05		41	-2,19		0		1,7	

25/09/2008	21.27.36.18	.	.											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
CARV			1	21.27.36.18			37,41	1		11,3	0,03				17					
CARE			1	21.27.36.18			37,41	1		9,19	0,02				17					
CARN			1	21.27.36.18			37,41	1		13,6	0,03				17					

26/09/2008	0.48.23.14	.	.											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	0.48.23.14			27,35	1		4,88	0,03				26							
CARN	I	C	1	0.48.23.14			27,28	1		5,2	0,06				26							
CARV	I	D	1	0.48.23.14			27,28	1		6,63	0,18				26							

26/09/2008	15.59.04.83	45.8730	11.1550	13,1		0,5	345	1	99	75	14	87	D	0,11	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			
DDS	e		1	15.59.07.05	10	0	8,98	2	135			2,42	0,22		7	-0,45	0,99	-0,56					
VAR	e	d	1	15.59.09.03	23	280	12,25	2	114			4,28	4,91	D	7	-0,25	4,77	-0,46		0,1			
PANI	e		2	15.59.09.61	31,1	21	13,08	3	108			5,59	0,99		8	-0,96	0,99	-1,93		0,3			

QUATERLY BULLETTIN July-September 2008

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				

28/09/2008	14.06.46.12	45.8260	11.0130	12		1,7	261	0	3,5	171	23	18	D	0,05	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	
VAR	e		1	14.06.48.65	9,3	281	50,69	2	140			2,47	0,5		23	0,01	1	-0,05		1,4	
DDS	e	c	1	14.06.49.42	15,5	60	51,95	2	125			3,26	0,5	C	33	0,06	1	-0,08		1,8	
RNI	i	d	1	14.06.52.44	35,9	302			107			6,41	0,5	D	26	-0,01		0		1,5	
PANI	e		2	14.06.52.49	36,4	43	57,46	3	107			6,51	1		27	-0,06	2	-0,24		1,5	

28/09/2008	19.03.18.11	45.8290	11.0120	11,3		1,8	80	4	99	350	9	99	D	0,45	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
VAR	e	c	1	19.03.20.53	19,4	332	22,51	2	117			3,73	0,27	C	27	-1,53	0,99	-2,57		1,6
DDS	e	c	1	19.03.21.27	26,7	30	23,8	2	111			4,87	0,57	C	33	-1,89	0,99	-3,23		1,8
RNI	e	d	1	19.03.24.31	45,8	318			102			8,02	0,57	D	30	-1,97		0		1,6
PANI	e		2	19.03.24.56	48,8	30	29,24	3	102			8,51	0,99		27	-2,21	0,99	-4,22		1,5

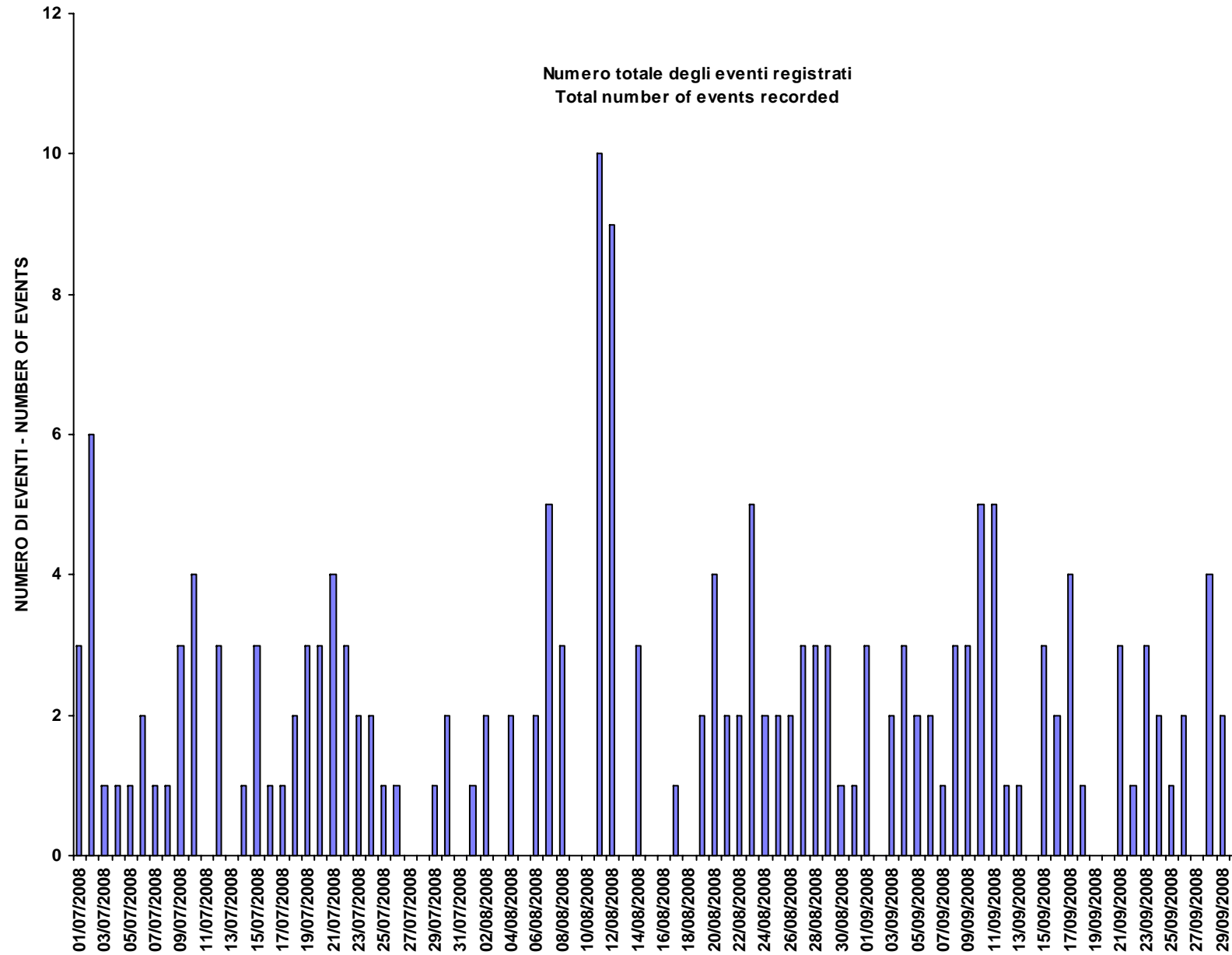
28/09/2008	20.52.54.13	45.8260	11.6200	18,2		2	234	0	20	144	21	25	D	0,36	0	CONCO (VI)					
st_name	p_rem	m	w_p	time_s	dist	azm	s_sec	w_s	ain	mx_amp	per	p_calc	p_std	cf	f_p_time	p_res	s_std	s_res	xmag	fmag	
DDS	e		2	20.53.00.59	47	300	5,95	2	101			8,1900	1,01		36	-1,77	1,67	-2,84		1,8	
PANI	e		2	20.53.00.73	51,7	326	5,57	3	100			8,97	1,02		36	-2,43	0,99	-4,63		1,8	
VAR	e	d	2	20.53.04.19	65,7	286			98			11,34	1,02	D		-1,31		0			
RNI	e		1	20.53.08.03	91,4	293			96			15,71	0,5		28	-1,83		0		1,4	

29/09/2008	10.05.20.71	46.1500	11.2200	14,1		1,6	335	9	4,4	238	36	15	D	0,42	1	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	10.05.24.14	12	164	26,76	3	130			2,66	1		26	1,19	2	1,56		1,5	
DDS	e	c	1	10.05.26.38	31,5	195			108			5,65	0,5	C	26	0,58		0		1,5	
VAR	e		2	10.05.28.60	47,4	220			102			8,29	1		24	0,18		0		1,4	
CARE	e	c	1	10.05.29.69	55	303			100			9,55	0,5	C	22	-0,01		0		1,3	

29/09/2008	15.04.27.24	.	.											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
CARV	I	C	1	15.04.27.24			28,14	1		12,6	0,05				20					
CARE	I	C	1	15.04.27.24			28,14	1		21,4	0,03				20					
CARN	I	D	1	15.04.27.24			28,14	1		15,3	0,05				20					

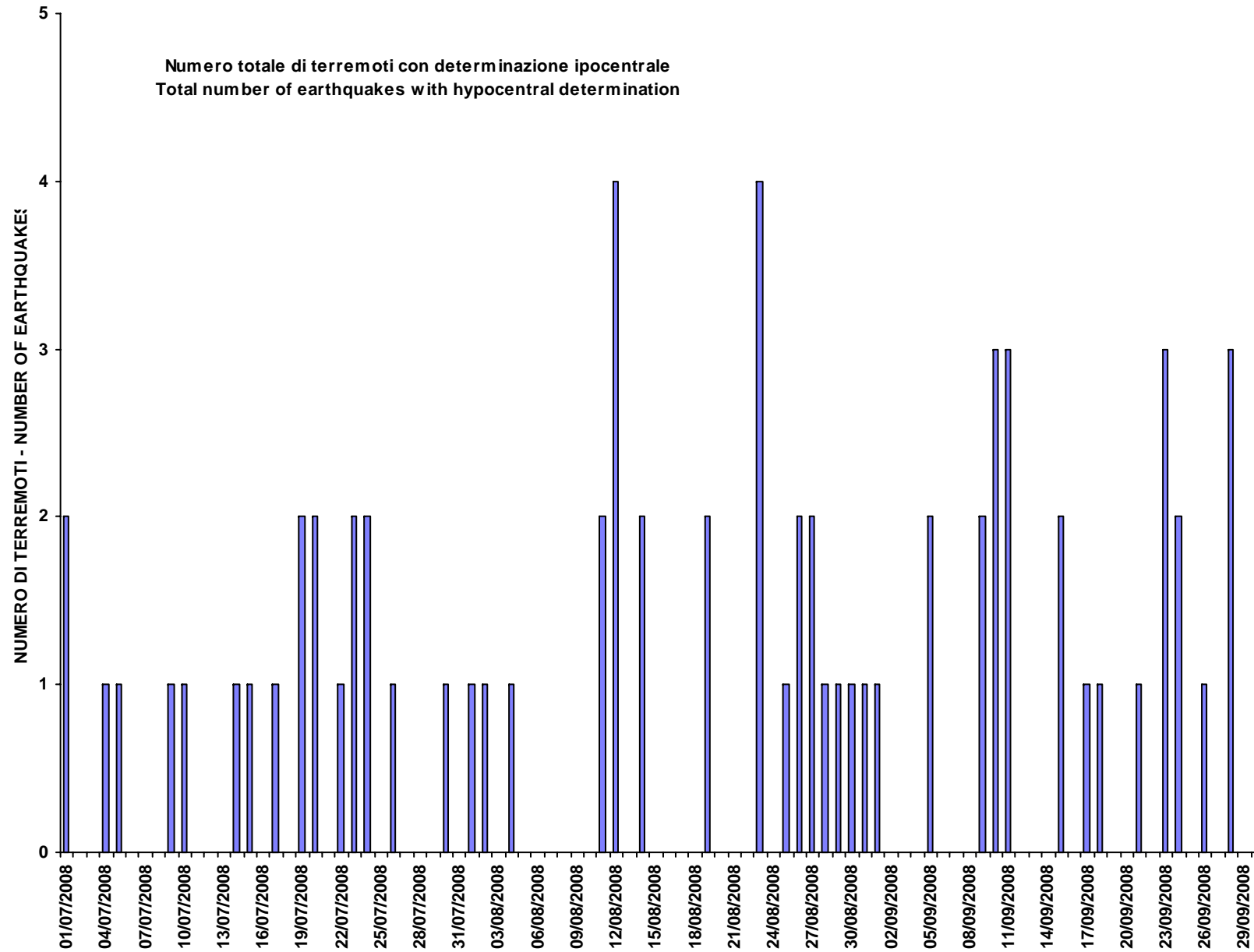
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TRENTINO SEISMOMETRIC NETWORK ; PERIOD : JULY - SEPTEMBER 2008



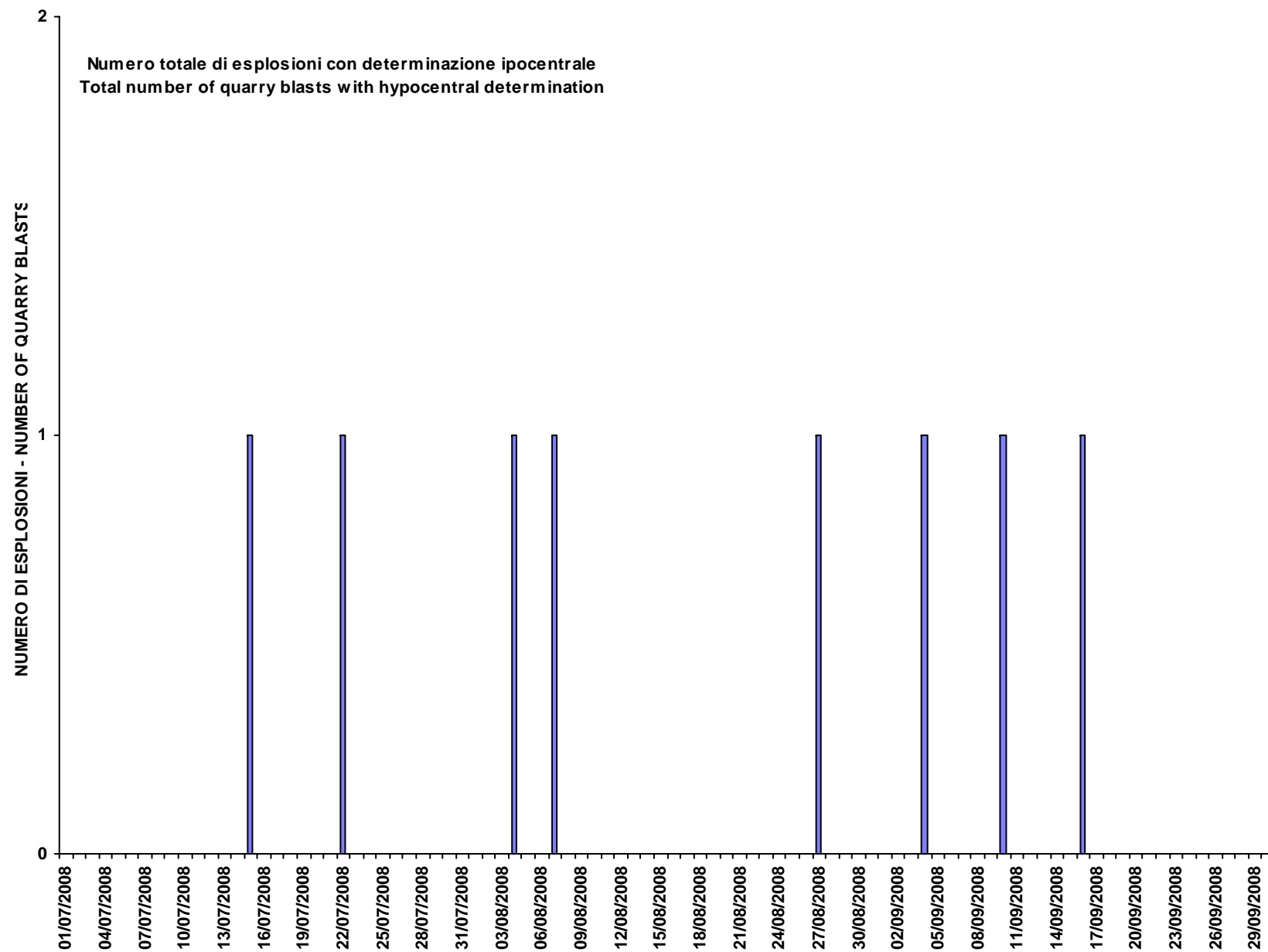
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RETE SISMICA DEL TRENTINO ; PERIODO : LUGLIO - SETTEMBRE 2008

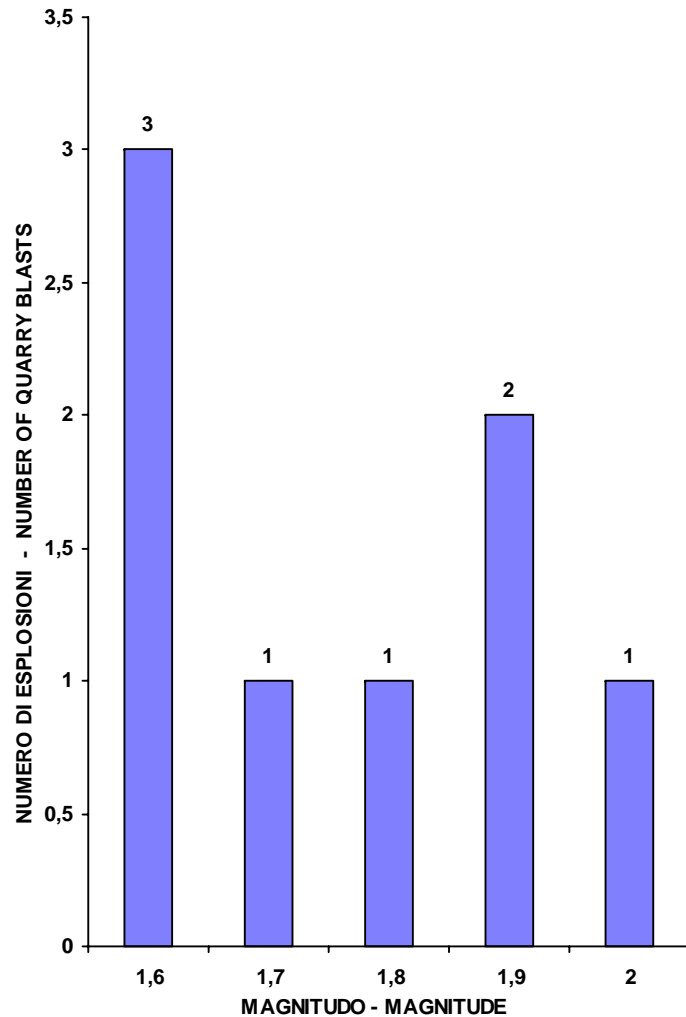
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RETE SISMICA DEL TRENTINO ; PERIODO : LUGLIO - SETTEMBRE 2008

TRENTINO SEISMOMETRIC NETWORK ; PERIOD : JULY - SEPTEMBER 2008

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

