



RAN - RETE ACCELEROMETRICA NAZIONALE

Terremoto del 29 Maggio 2012 ore 07:00:03 (UTC) MI= 5.8 - Pianura Padana

sta	chan	Lat.	Long.	dist (INGV)	Td	PGA	PGV	PGD	PSA03	PSA10	PSA30	Location
				km	s	cm/s*s	cm/s	cm	cm/s*s	cm/s*s	cm/s*s	
MRN	HGE	44.878231	11.061743	4	53	220	29	8.7	500	170	81	Mirandola
MRN	HGN	44.878231	11.061743	4	53	290	57	17	700	370	150	Mirandola
MRN	HGZ***	44.878231	11.061743	4	***	***	***	***	***	***	***	Mirandola
SAG0	HGE	44.791100	11.142700	8	47	79	7.7	1.9	290	51	17	Sant Agostino
SAG0	HGN	44.791100	11.142700	8	42	67	6.2	2.1	180	63	17	Sant Agostino
SAG0	HGZ	44.791100	11.142700	8	45	67	2.2	0.87	76	17	14	Sant Agostino
MOG0	HGE	44.931800	10.911500	16	21	240	29	44	550	230	16	Moglia
MOG0	HGN	44.931800	10.911500	16	25	170	22	24	440	210	31	Moglia
MOG0	HGZ	44.931800	10.911500	16	22	130	5.2	1.9	250	31	19	Moglia
CAS0	HGE	45.025200	11.311400	26	44	130	15	4.4	340	89	35	Castelmassa
CAS0	HGN	45.025200	11.311400	26	64	84	14	8.2	220	130	54	Castelmassa
CAS0	HGZ	45.025200	11.311400	26	64	61	2.6	1.1	110	21	18	Castelmassa
BON0	HGE	44.885400	11.418300	26	46	36	2.2	1.2	93	12	12	Bondeno
BON0	HGN	44.885400	11.418300	26	51	25	2.9	1.5	45	13	11	Bondeno
BON0	HGZ	44.885400	11.418300	26	39	30	1.2	0.42	71	5.2	2.2	Bondeno
MDN	HGE	44.646988	10.889912	27	78	30	3	3.7	72	35	6.8	Modena
MDN	HGN	44.646988	10.889912	27	55	51	3.6	3	110	38	15	Modena
MDN	HGZ	44.646988	10.889912	27	78	35	2	0.78	63	20	10	Modena
NVL	HGE	44.843001	10.731506	28	40	54	2.6	1.1	180	35	6.1	Novellara
NVL	HGN	44.843001	10.731506	28	38	49	3	1.9	160	36	6.4	Novellara
NVL	HGZ	44.843001	10.731506	28	34	47	1.1	0.96	38	7.6	3.2	Novellara
ZPP	HGE	44.524391	11.204494	38	86	20	4.3	3.8	52	51	13	Zola Pedrosa Piana
ZPP	HGN	44.524391	11.204494	38	87	21	4	2.7	43	59	22	Zola Pedrosa Piana
ZPP	HGZ	44.524391	11.204494	38	81	22	1.8	2	40	11	9.4	Zola Pedrosa Piana
ISD	HGE	45.273386	10.960213	48	86	13	1.3	1.8	26	16	6.7	Isola Della Scala



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ISD	HGN	45.273386	10.960213	48	87	16	2.4	2.4	46	32	19	Isola Della Scala
ISD	HGZ	45.273386	10.960213	48	89	7.1	0.84	1.3	15	7.5	5.1	Isola Della Scala
SRP	HGE	44.848398	10.446963	50	73	31	2.3	1.4	80	31	4.5	Sorbolo
SRP	HGN	44.848398	10.446963	50	38	53	2.1	1.2	90	20	3.6	Sorbolo
SRP	HGZ	44.848398	10.446963	50	88	11	0.33	0.39	23	3.3	1.3	Sorbolo
MRZ	HGE	44.361374	11.190086	55	65	7.1	0.82	1.6	16	5.9	4.4	Marzabotto
MRZ	HGN	44.361374	11.190086	55	65	8	0.74	0.71	13	5.7	2.9	Marzabotto
MRZ	HGZ	44.361374	11.190086	55	66	6	1.1	1.5	7.8	6.1	5.9	Marzabotto
MDC	HGE	44.485560	11.640462	60	82	16	2.2	5	51	15	12	Medicina
MDC	HGN	44.485560	11.640462	60	82	15	1.6	5.6	55	14	11	Medicina
MDC	HGZ	44.485560	11.640462	60	89	3.8	0.95	1.6	13	3.8	6	Medicina
CPC	HGE	44.921448	11.875613	63	73	24	1.6	2.1	71	14	4.4	Copparo Coccanile
CPC	HGN	44.921448	11.875613	63	80	22	2.4	1.3	76	14	8	Copparo Coccanile
CPC	HGZ	44.921448	11.875613	63	88	6.8	0.47	1.1	13	2.4	3	Copparo Coccanile
ARG	HGE	44.630530	11.825160	63	85	11	0.87	1.8	18	7.6	3.9	Argenta
ARG	HGN	44.630530	11.825160	63	85	6.7	1	2.3	22	7.7	3.6	Argenta
ARG	HGZ	44.630530	11.825160	63	87	3.4	0.23	0.67	8	1.8	1.5	Argenta
CSP	HGE	44.378487	11.580113	66	83	11	1.6	1.7	50	13	7.2	CastelSanPietroTerme
CSP	HGN	44.378487	11.580113	66	80	12	2.2	1.4	45	18	9.9	CastelSanPietroTerme
CSP	HGZ	44.378487	11.580113	66	88	5.3	0.78	0.72	21	10	2.2	CastelSanPietroTerme
MNS	HGE	45.251733	11.722134	67	50	15	0.49	0.27	15	3.3	0.98	Monselice
MNS	HGN	45.251733	11.722134	67	49	14	0.51	0.23	26	2.2	1.3	Monselice
MNS	HGZ	45.251733	11.722134	67	60	5.3	0.3	0.36	11	3	1	Monselice
VLM	HGE	44.364874	10.466171	73	80	5.1	0.88	0.44	8.8	11	2.6	Villa Minozzo
VLM	HGN	44.364874	10.466171	73	85	5.5	0.85	1.6	11	12	3.2	Villa Minozzo



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VLM	HGZ	44.364874	10.466171	73	88	2.1	0.46	0.37	5.8	4.9	2.3	Villa Minozzo
PRT	HGE	44.149673	10.926009	79	60	2.1	0.27	0.32	7.1	2.6	0.5	Porretta Terme
PRT	HGN	44.149673	10.926009	79	61	1.9	0.22	0.52	5	2.2	0.79	Porretta Terme
PRT	HGZ	44.149673	10.926009	79	61	2.7	0.19	0.21	5.9	2.4	0.94	Porretta Terme
TGG	HGE	45.562015	11.182743	80	66	12	0.58	0.36	38	2.4	0.96	Tregnago
TGG	HGN	45.562015	11.182743	80	78	6.5	0.34	0.84	17	1.8	0.98	Tregnago
TGG	HGZ	45.562015	11.182743	80	55	13	0.43	0.39	26	3.4	0.66	Tregnago
BRM	HGE	44.129344	11.117683	80	88	0.96	0.2	0.84	2.4	2.2	0.84	Brasimone
BRM	HGN	44.129344	11.117683	80	88	1.2	0.24	0.54	3.1	1.8	1.3	Brasimone
BRM	HGZ	44.129344	11.117683	80	86	1	0.26	0.25	2.6	2.4	0.78	Brasimone
ALF	HGE	44.502284	12.033444	84	84	12	1.3	1.1	28	9.2	4.3	Alfonsine
ALF	HGN	44.502284	12.033444	84	83	15	1.6	2.8	42	18	7.7	Alfonsine
ALF	HGZ	44.502284	12.033444	84	89	4.3	0.64	2.4	11	1.6	2.4	Alfonsine
FRE1	HGE	44.118069	11.382873	85	62	8	0.67	0.8	34	5.6	1.2	Firenzuola
FRE1	HGN	44.118069	11.382873	85	62	7.2	0.65	0.38	27	8.3	2.1	Firenzuola
FRE1	HGZ	44.118069	11.382873	85	65	2.6	0.33	0.52	8.2	2.5	1.7	Firenzuola
BRH	HGE	44.207610	11.763964	90	63	12	0.61	0.73	36	4.3	3	Brisighella
BRH	HGN	44.207610	11.763964	90	73	8.2	0.59	0.43	30	6	3.1	Brisighella
BRH	HGZ	44.207610	11.763964	90	87	3.3	0.34	0.81	16	4.2	1.7	Brisighella
SMP	HGE	44.064114	10.803726	90	71	3.4	0.26	0.26	10	4	0.48	San Marcello Pistoies
SMP	HGN	44.064114	10.803726	90	72	3.8	0.38	0.56	11	6.6	1.2	San Marcello Pistoies
SMP	HGZ	44.064114	10.803726	90	73	2.3	0.17	0.49	5.5	1.6	0.58	San Marcello Pistoies
PTV	HGE	45.274192	10.087920	92	85	10	1.7	1.5	29	15	4.4	Pontevecchio
PTV	HGN	45.274192	10.087920	92	86	8.2	1.6	2	21	15	3.4	Pontevecchio
PTV	HGZ	45.274192	10.087920	92	88	7.5	0.66	3.2	12	4.4	1.8	Pontevecchio



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MDG	HGE	44.159257	11.788555	95	69	7.6	0.35	0.48	16	3.1	1.1	Modigliana
MDG	HGN	44.159257	11.788555	95	82	5.5	0.38	0.48	21	3.1	1	Modigliana
MDG	HGZ	44.159257	11.788555	95	88	2.7	0.3	0.63	9.7	2.4	1.1	Modigliana
MRR	HGE	44.064131	11.603387	97	54	5.4	0.31	0.4	13	3.7	1.1	Marradi
MRR	HGN	44.064131	11.603387	97	55	3.4	0.29	0.21	8.4	4.7	1.3	Marradi
MRR	HGZ	44.064131	11.603387	97	55	2	0.26	0.4	4.4	4.2	1.3	Marradi
SNZ1	HGE	45.074268	9.894491	97	84	9.8	0.82	1	31	9.8	1.7	S Nazzaro1
SNZ1	HGN	45.074268	9.894491	97	84	8.1	0.92	1.3	24	9	2.2	S Nazzaro1
SNZ1	HGZ	45.074268	9.894491	97	87	2.9	0.26	1.1	8.6	3.9	0.61	S Nazzaro1
GAI	HGE	45.659275	10.616265	97	63	14	0.84	0.26	61	6.1	0.9	Gaino
GAI	HGN	45.659275	10.616265	97	58	13	0.69	1.1	36	5.9	0.74	Gaino
GAI	HGZ	45.659275	10.616265	97	57	9	0.37	0.51	19	4.6	0.93	Gaino
MDT	HGE	44.135015	11.829782	99	70	8.6	0.55	0.23	17	3.3	1.5	Modigliana
MDT	HGN	44.135015	11.829782	99	69	8	0.65	0.39	28	5.6	1.4	Modigliana
MDT	HGZ	44.135015	11.829782	99	72	5.3	0.41	0.58	13	3	1.4	Modigliana
BRB	HGE	43.954205	11.212867	100	61	4.1	0.34	0.17	7.7	4.9	1	Barberino Mugello
BRB	HGN	43.954205	11.212867	100	64	2.5	0.33	0.15	9.4	4.1	1.3	Barberino Mugello
BRB	HGZ	43.954205	11.212867	100	65	1.7	0.26	0.43	8	3.5	0.87	Barberino Mugello
BGL	HGE	43.995831	10.576916	103	66	4.2	0.43	0.21	9.7	4.6	0.38	Bagni Di Lucca
BGL	HGN	43.995831	10.576916	103	66	3.2	0.26	0.2	6.7	5	0.46	Bagni Di Lucca
BGL	HGZ	43.995831	10.576916	103	61	2.7	0.22	0.16	5.5	4.1	0.5	Bagni Di Lucca
VGL	HGE	44.110732	10.289627	104	80	0.15	0.042	0.29	0.64	0.13		Vagli Paese
VGL	HGN	44.110732	10.289627	104	72	6.1	0.43	0.19	22	5.5	0.44	Vagli Paese
VGL	HGZ	44.110732	10.289627	104	65	3.6	0.25	0.31	15	1.7	0.69	Vagli Paese
BGN	HGE	44.322445	9.991797	105	38	1.5	0.16	0.2	4.1	2	0.57	Bagnone



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BGN	HGN	44.322445	9.991797	105	37	2.4	0.17	0.18	7.7	2.3	0.58	Bagnone
BGN	HGZ	44.322445	9.991797	105	38	1.4	0.11	0.18	2.7	1.8	0.35	Bagnone
MLC	HGE	45.807901	10.848521	108	58	12	0.6	0.19	21	7.3	0.57	Malcesine
MLC	HGN	45.807901	10.848521	108	50	16	0.89	0.18	16	10	0.85	Malcesine
MLC	HGZ	45.807901	10.848521	108	78	7.1	0.34	1.2	7.8	4.8	0.65	Malcesine
CST	HGE	45.659581	11.902321	110	86	9.2	1	0.6	31	11	1.8	Castelfranco Veneto
CST	HGN	45.659581	11.902321	110	86	8.4	1.1	0.65	33	7.3	2.7	Castelfranco Veneto
CST	HGZ	45.659581	11.902321	110	88	3.3	0.43	0.38	5.8	3.3	1.1	Castelfranco Veneto
PRM	HGE	43.979240	11.781402	112	87	1.9	0.26	0.33	3.7	2.6	0.99	Premilcuore
PRM	HGN	43.979240	11.781402	112	88	1.9	0.24	0.69	4.8	5.6	0.86	Premilcuore
PRM	HGZ	43.979240	11.781402	112	89	1.7	0.3	0.27	4.6	3.3	1.3	Premilcuore
MLD	HGE	44.118498	12.071035	113	63	9.8	0.59	0.25	29	6.3	2.1	Meldola
MLD	HGN	44.118498	12.071035	113	62	12	0.81	0.5	30	8.4	1.7	Meldola
MLD	HGZ	44.118498	12.071035	113	64	6	0.3	0.53	15	2.9	1.1	Meldola
AUL	HGE	44.208759	9.973070	114	74	4.5	0.43	0.28	14	7	0.86	Aulla
AUL	HGN	44.208759	9.973070	114	70	4.9	0.34	0.19	14	5.8	0.47	Aulla
AUL	HGZ	44.208759	9.973070	114	76	1.7	0.2	0.16	4.3	3	0.43	Aulla
RVR	HGE	44.904452	9.598137	118	87	4.2	0.45	1.3	9.4	5.4	1.1	Rivergaro
RVR	HGN	44.904452	9.598137	118	87	3.1	0.33	0.82	8.1	6.1	0.7	Rivergaro
RVR	HGZ	44.904452	9.598137	118	88	2	0.27	0.28	4.7	4.5	0.66	Rivergaro
STS	HGE	43.942450	11.905042	120	88	2.5	0.3	0.21	7.8	2.8	1.3	Santa Sofia
STS	HGN	43.942450	11.905042	120	87	3.4	0.35	0.23	10	7.1	0.89	Santa Sofia
STS	HGZ	43.942450	11.905042	120	90	1.6	0.29	0.22	4.5	3.8	1.6	Santa Sofia
BDG	HGE	44.506794	9.622965	122	80	6.1	0.43	0.11	14	5.1	0.53	Bedonia Gallareto
BDG	HGN	44.506794	9.622965	122	85	5.2	0.64	0.66	20	5.6	0.89	Bedonia Gallareto



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BDG	HGZ	44.506794	9.622965	122	87	2.1	0.18	0.25	8.8	2	0.23	Bedonia Gallareto
FLP	HGE	46.026695	11.922518	146	74	8.1	0.32	0.25	8.5	1.4	0.52	Feltre Pasquer
FLP	HGN	46.026695	11.922518	146	61	9.2	0.32	0.35	11	1.7	0.58	Feltre Pasquer
FLP	HGZ	46.026695	11.922518	146	81	2.9	0.15	0.17	3.8	2.1	0.47	Feltre Pasquer
SEL	HGE	44.265343	9.403355	149	58	1.9	0.17	0.085	6	2.8	0.36	Sestri Levante
SEL	HGN	44.265343	9.403355	149	59	1.8	0.19	0.14	4.1	2.5	0.28	Sestri Levante
SEL	HGZ	44.265343	9.403355	149	61	1.4	0.15	0.14	3.2	2.1	0.32	Sestri Levante
APR	HGE	46.156214	10.157755	162	88	0.97	0.1	0.18	3.2	0.98	0.54	Aprica
APR	HGN	46.156214	10.157755	162	88	1.3	0.15	0.37	3.7	2	0.39	Aprica
APR	HGZ	46.156214	10.157755	162	89	0.85	0.089	0.3	2.3	1.6	0.43	Aprica

Parametri generati da procedura automatica

dist INGV = epicentral distance (in corsivo le stazioni della rete mobile)

Td = duration (Trifumac & Brady, 1975)

PGA, PGV, PGD = peak ground acceleration, velocity, displacement

PSA03, PSA10, PSA30 = spectral acceleration at .3, 1., 3. s

*** componente del sensore da verificare

