



Supplement of

2016 Central Italy Earthquakes: comparison between GPS signals and low-cost distributed MEMS arrays

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table1a

Id Code	Lon.	Lat	North (mm)	East (mm)	Vertical (mm)
AQUI	13.35	42.37	-1.6 ± 0.9	-0.6 ± 0.6	-0.3 ± 1.8
INGR	12.51	41.83	-0.3 ± 0.6	-0.0 ± 0.6	0.7 ± 1.5
SIEN	11.34	43.31	-0.8 ± 0.6	0.5 ± 0.6	3.7 ± 1.8
UNPG	12.36	43.12	-0.5 ± 0.6	-0.5 ± 0.6	-1.2 ± 1.8
MAON	11.13	42.43	-0.1 ± 0.9	0.1 ± 0.6	-4.0 ± 2.7
RSTO	14	42.66	0.4 ± 0.6	2.7 ± 0.6	-0.5 ± 1.5
TOLF	12	42.06	0.2 ± 0.6	1.0 ± 0.9	0.3 ± 1.5
FRES	14.67	41.97	-0.0 ± 1.2	0.2 ± 0.9	3.2 ± 3.6
UNTR	12.67	42.56	-3.1 ± 0.9	-6.5 ± 0.9	-0.5 ± 2.1
MOSE	12.49	41.89	-1.3 ± 0.6	-0.3 ± 0.6	-3.2 ± 1.5
REPI	12	42.95	0.6 ± 0.9	-1.1 ± 0.9	-3.4 ± 2.4
ITGT	12.78	43.23	-0.1 ± 1.2	-0.4 ± 1.5	-3.7 ± 3.6
ALRA	14.03	41.73	-0.5 ± 1.2	0.9 ± 1.5	-2.8 ± 3.3
AQRA	13.37	42.37	-0.4 ± 0.9	-1.0 ± 0.9	1.9 ± 2.4
BLRA	13.56	41.81	1.2 ± 1.2	1.8 ± 1.5	2.0 ± 3.3
CDRA	13.72	42.37	0.2 ± 0.9	0.1 ± 0.9	3.2 ± 2.7
FRRA	14.29	42.42	-0.8 ± 0.6	0.1 ± 0.6	2.0 ± 1.8
MRRA	13.92	42.89	0.9 ± 0.6	3.7 ± 0.6	-0.1 ± 1.8
MTRA	13.24	42.53	-10.1 ± 0.9	-7.9 ± 0.6	-0.3 ± 2.7
OCRA	13.04	42.05	0.6 ± 0.9	-0.3 ± 0.9	2.2 ± 2.1
OVRA	13.52	42.14	0.8 ± 1.8	-1.4 ± 1.5	-0.4 ± 3.9
SCRA	14	42.27	-1.3 ± 0.6	0.2 ± 0.9	2.3 ± 2.7
SMRA	13.92	42.05	-1.0 ± 0.9	-1.4 ± 0.6	-1.0 ± 3.0
TERA	13.7	42.66	-0.8 ± 0.6	8.3 ± 0.6	2.5 ± 2.1
VTRA	14.71	42.11	-0.6 ± 0.6	0.3 ± 0.6	-0.5 ± 1.8
OTRA	13.65	41.95	0.1 ± 1.5	-3.7 ± 1.2	-0.9 ± 3.9
ALAT	13.38	41.67	1.2 ± 0.9	-0.8 ± 0.6	1.7 ± 2.1
RIET	12.86	42.41	-4.3 ± 0.6	-6.4 ± 0.6	-0.8 ± 2.1
OLGI	12.36	42.05	-2.3 ± 0.6	-1.9 ± 0.6	-1.8 ± 1.8
VIT1	12.1	42.43	-0.4 ± 0.6	-2.9 ± 0.6	-1.6 ± 1.8
TARQ	11.76	42.25	-0.1 ± 0.6	-1.6 ± 0.6	-2.2 ± 1.8
PAGL	14.5	42.16	-0.3 ± 0.6	-0.4 ± 0.6	0.2 ± 2.4
PSAN	14.14	42.52	-0.4 ± 0.6	-1.5 ± 0.6	1.5 ± 1.8
GRAM	13.87	42.98	2.4 ± 0.6	5.0 ± 0.6	0.1 ± 1.5
ASCC	13.59	42.86	6.8 ± 0.6	15.9 ± 0.6	-0.9 ± 2.4
ANCG	13.5	43.6	-0.0 ± 0.6	1.9 ± 0.3	-2.7 ± 1.5
MACE	13.45	43.29	2.6 ± 0.9	-0.7 ± 0.6	1.8 ± 2.7
FOSS	12.81	43.69	-0.1 ± 0.6	-1.1 ± 0.6	-0.1 ± 1.8
TERI	12.65	42.57	-3.0 ± 0.6	-4.6 ± 0.6	-1.4 ± 2.1
GUB2	12.58	43.35	0.5 ± 0.9	0.1 ± 0.9	-2.1 ± 3.3
FRMO	13.73	43.17	0.7 ± 0.6	2.6 ± 0.6	-1.5 ± 2.1
FOL1	12.7	42.95	-0.6 ± 0.6	-3.4 ± 0.6	-2.1 ± 2.4
CIT1	12.25	43.47	0.8 ± 0.9	0.5 ± 0.6	-3.8 ± 2.7
CAMU	11.98	43.26	-0.4 ± 0.9	-0.8 ± 0.6	2.6 ± 2.4

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PITI	11.67	42.63	-0.3 ± 0.9	-1.6 ± 0.9	-2.4 ± 2.7
MCIN	11.49	43.06	-0.2 ± 0.6	-0.9 ± 0.6	2.4 ± 2.4
GAVO	10.89	42.94	-0.4 ± 0.9	-0.3 ± 0.6	-2.5 ± 2.4
PIBI	12.45	43.13	-0.2 ± 0.6	0.3 ± 0.9	-2.3 ± 3.0
PSTE	11.12	42.43	0.6 ± 1.2	-1.0 ± 0.6	14.7 ± 3.9
TERN	12.63	42.57	-3.2 ± 0.6	-5.6 ± 0.6	-1.2 ± 2.4
ROAN	12.42	41.9	-1.2 ± 0.6	-0.6 ± 0.6	-0.4 ± 1.8
CAMG	13.07	43.14	-0.0 ± 0.9	0.7 ± 0.9	0.8 ± 2.1
FIOR	11.59	42.83	0.8 ± 0.9	-1.8 ± 0.9	-0.6 ± 2.4
GEOT	13.51	43.57	0.5 ± 0.6	0.0 ± 0.6	-1.7 ± 2.4
GINE	13.38	43.12	3.4 ± 0.6	0.9 ± 0.6	-2.1 ± 1.8
GRTG	13.87	42.97	1.7 ± 0.6	4.9 ± 0.6	0.5 ± 2.1
MAGL	13.59	43.14	3.7 ± 0.6	2.4 ± 0.6	-1.3 ± 1.8
MOIE	13.12	43.5	0.0 ± 0.6	0.7 ± 0.6	1.1 ± 1.8
PSST	11.12	42.43	-0.5 ± 0.9	-1.6 ± 0.6	0.5 ± 2.4
PULC	11.82	43.16	-0.1 ± 0.9	-1.5 ± 0.9	0.5 ± 2.7
SENI	13.21	43.71	0.2 ± 0.6	-0.0 ± 0.6	0.4 ± 1.8
AVZZ	13.45	42.03	-2.5 ± 0.9	-0.8 ± 0.9	0.9 ± 2.4
CIST	12.83	41.58	1.0 ± 0.9	1.4 ± 0.9	-4.5 ± 2.7
FIAN	12.59	42.16	-2.7 ± 0.9	-2.1 ± 0.6	0.1 ± 2.4
ITRA	14	42.66	-0.3 ± 0.6	3.4 ± 0.6	3.6 ± 1.8
LANC	14.38	42.2	-0.3 ± 0.6	-0.1 ± 0.6	2.5 ± 2.1
PAGA	13.47	42.36	0.2 ± 0.9	-1.2 ± 0.6	0.6 ± 2.4
PESC	14.2	42.47	-0.6 ± 0.9	0.5 ± 0.9	1.2 ± 2.7
VITE	12.11	42.42	-1.1 ± 0.6	-1.9 ± 0.6	-3.0 ± 1.8
ZAGA	12.75	41.86	-1.8 ± 0.9	1.8 ± 0.9	-3.2 ± 2.4
ATBU	12.55	43.48	-8.8 ± 1.2	-11.7 ± 1.2	18.2 ± 3.0
ATFO	12.57	43.37	-0.3 ± 0.9	-1.4 ± 0.9	1.4 ± 2.1
ATLO	12.41	43.32	-1.2 ± 0.6	1.0 ± 0.6	1.1 ± 1.8
ATMI	12.27	43.33	0.4 ± 0.6	0.7 ± 0.6	0.4 ± 1.8
ATTE	12.35	43.2	-0.4 ± 0.6	-0.3 ± 0.6	1.8 ± 1.5
CAFI	11.97	43.33	-1.2 ± 0.9	-0.1 ± 0.6	4.3 ± 2.1
CESI	12.9	43.01	-0.4 ± 0.6	-1.5 ± 0.6	2.7 ± 1.8
CSSB	12.25	43.21	-0.4 ± 0.6	-0.9 ± 0.6	-0.4 ± 1.5
MGAB	12.11	42.91	0.1 ± 0.6	-2.0 ± 0.6	-0.0 ± 1.8
MUR1	12.52	43.26	-0.8 ± 0.6	0.8 ± 0.9	1.2 ± 1.8
MVAL	12.41	43.38	-0.5 ± 0.6	0.5 ± 0.6	-0.3 ± 1.8
PIET	12.4	43.45	-0.4 ± 0.6	0.8 ± 0.6	1.9 ± 1.5
SACS	11.91	42.85	-0.2 ± 0.9	-1.9 ± 0.9	-0.7 ± 2.1
VALC	12.28	43.28	-0.4 ± 0.6	-0.6 ± 0.6	-0.4 ± 1.5
UMBE	12.33	43.31	0.4 ± 0.6	0.6 ± 0.6	5.2 ± 2.1
ANCN	13.53	43.61	5.2 ± 1.2	0.7 ± 0.6	1.4 ± 1.8
GUMA	13.34	43.06	0.6 ± 0.9	-0.2 ± 0.9	-3.9 ± 2.7
MLAG	12.78	43.43	-1.9 ± 0.9	-1.8 ± 0.9	-0.2 ± 1.8
GUAR	13.31	41.79	-1.3 ± 0.6	-0.5 ± 0.6	0.7 ± 2.4

table1a

MTER	13.21	42.51	-9.8 ± 0.9	-5.0 ± 0.6	1.9 ± 2.1
BARS	13.58	42.34	-1.0 ± 0.9	-0.3 ± 0.6	2.0 ± 2.4
CAOC	13.48	42.29	-2.8 ± 1.5	-3.0 ± 0.9	2.2 ± 2.1
CERT	12.98	41.95	-1.5 ± 0.6	-0.9 ± 0.6	1.3 ± 1.8
CONI	13.39	42.41	-0.3 ± 0.9	-2.0 ± 0.6	3.9 ± 2.1
GNAL	13.52	42.58	-1.4 ± 0.9	4.9 ± 0.9	-0.7 ± 2.1
LNSS	13.04	42.6	-16.0 ± 0.6	-20.7 ± 0.9	4.5 ± 2.4
LPEL	14.18	42.05	-1.1 ± 0.9	0.4 ± 1.2	1.2 ± 3.3
MTTO	12.99	42.46	-7.9 ± 0.6	-7.8 ± 0.9	2.7 ± 2.4
POFI	13.71	41.72	0.9 ± 0.6	-1.4 ± 0.6	1.2 ± 1.8
RDPI	12.71	41.76	0.3 ± 0.6	-0.7 ± 0.6	-2.3 ± 1.8
RMPO	12.7	41.81	-0.4 ± 0.6	-1.1 ± 0.6	-0.9 ± 2.1
RNI2	14.15	41.7	-0.1 ± 0.6	-0.4 ± 0.6	-0.4 ± 1.8
ROPI	13.34	42.33	-1.0 ± 0.6	-2.7 ± 0.6	0.0 ± 1.8
SGRE	13.5	42.34	-1.7 ± 0.6	-2.2 ± 0.6	3.5 ± 2.1
TRIV	14.55	41.77	0.1 ± 0.6	0.0 ± 0.6	0.7 ± 2.1
VVLO	13.62	41.87	1.2 ± 0.6	0.1 ± 0.6	-4.3 ± 1.8
CAMR	13.07	43.14	1.6 ± 0.9	-1.0 ± 0.6	0.3 ± 2.4
SULM	13.93	42.04	-1.3 ± 0.9	0.2 ± 0.9	-4.9 ± 3.3
ACQL	11.86	42.74	-2.9 ± 0.9	-0.9 ± 0.9	-2.5 ± 2.1
AMAT	13.29	42.63	23.2 ± 0.9	-7.7 ± 0.6	-50.7 ± 2.4
ARDE	12.54	41.61	-0.5 ± 0.6	-0.5 ± 0.6	-0.7 ± 1.8
CVTV	11.8	42.1	-1.2 ± 0.6	-1.2 ± 0.6	-3.3 ± 1.8
FIUM	12.23	41.77	-0.7 ± 0.6	-0.6 ± 0.6	-1.2 ± 1.8
FROS	13.35	41.64	1.2 ± 0.9	-1.1 ± 0.6	-3.7 ± 2.1
MOCL	11.6	42.35	-0.6 ± 0.6	-1.2 ± 0.6	-2.8 ± 1.5
RIFL	12.48	42.21	-2.0 ± 0.6	-1.9 ± 0.6	-0.2 ± 2.1
ROUN	12.49	41.89	-0.7 ± 0.6	-0.4 ± 0.6	-1.2 ± 1.8
RITI	12.86	42.41	-17.1 ± 2.1	-22.9 ± 1.5	9.1 ± 5.4
VALM	12.92	41.78	-0.5 ± 0.9	-0.1 ± 0.6	-0.5 ± 2.1
VIRB	12.11	42.42	-1.1 ± 0.6	-1.1 ± 0.6	-2.6 ± 1.8
VIVA	12.89	42.02	-2.0 ± 0.6	-0.3 ± 0.6	0.2 ± 2.4

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