



Supplement of

Historical snow measurements in the central and southern Apennine Mountains: climatology, variability, and trend

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Supplementary material

Table S1. List of the nivometric stations rescued in this study. For each station, the membership National Hydrographic and Mareographic Service (NHMS) compartment, the latitude and the longitude (in decimal degrees), the altitude (in m a.s.l.) and the data availability (in %) for each snow indicator are reported. Note that data availability for Snow Cover Duration (SCD) and Number of Days with Snow (NDS) refers to the 1951-2001 period, whereas data availability for Height of New Snow (HN) is calculated over 1971-2001 period. The stations taken into account for the analysis are marked with an asterisk (*).

Station Name	NHMS Compartment	Latitude (° N)	Longitude (° E)	Altitude a.s.l. (m)	Data Availability (%)		
					SCD	NDS	HN
Abeto	Rome	42.837000	13.063000	898	93.9	93.9	90.0
Acerno	Naples	40.733333	15.052778	720	2.0	2.0	3.2
Agerola (Pianillo)	Naples	40.633333	14.552778	615	47.1	47.1	61.0
Agerola (S. Lazzaro)	Naples	40.633333	14.569444	583	2.0	2.0	3.2
Agnone *	Pescara	41.800000	14.369444	806	100.0	100.0	96.4
Alatri	Naples	41.733333	13.352778	502	7.8	7.8	0.0
Alberona*	Bari	41.433333	15.136111	700	71.3	72.8	85.1
Alfedena	Pescara	41.733333	14.036111	880	37.3	37.3	9.6
Alfedena (Mont. Spaccata)	Naples	41.730507	14.179196	920	17.6	17.6	28.9
Andretta	Bari	40.933333	15.319444	890	59.3	65.0	65.1
Ariano Irpino	Naples	41.150000	15.086111	794	35.3	35.3	22.5
Arpino	Naples	41.647042	13.613613	500	11.8	11.8	0.0
Assergi	Pescara	42.400000	13.630000	1040	76.5	76.5	70.7
Ateleta *	Pescara	41.850000	14.202778	735	86.3	86.3	86.7
Atella *	Bari	40.868060	15.618060	500	75.7	82.4	78.3
Atina	Naples	41.616667	13.802778	520	5.1	5.1	0.0
Avezzano	Naples	42.033333	13.436111	697	68.6	68.6	61.0
Avezzano (Ente Fucino)	Naples	41.992238	13.557241	698	9.8	9.8	16.1
Avigliano *	Naples	40.730415	15.718457	910	90.2	90.0	90.0
Bagnara*	Rome	43.116667	12.852778	620	83.8	83.8	78.7
Bagnoli del Trigno	Pescara	41.700000	14.452778	681	64.2	64.2	50.6
Baranello *	Pescara	41.523333	14.552778	600	96.1	96.1	90.0
Barisciano (Cant. Anas) *	Pescara	42.316667	13.586111	810	94.1	94.1	93.2
Barrea *	Pescara	41.750000	13.986111	1000	88.2	88.2	93.2
Bazzano	Pescara	42.333333	13.452778	594	66.7	66.7	45.0
Beffi *	Pescara	42.200000	13.686111	640	96.1	96.1	93.2
Bellosguardo	Naples	40.416667	15.319444	559	11.8	11.8	19.3
Biccari*	Bari	41.400000	15.202778	449	82.6	83.6	83.1
Bisaccia *	Bari	41.016667	15.369444	900	78.2	85.5	82.7
Bisegna (Ente Fucino) *	Naples	41.916667	13.652778	1210	66.7	66.7	93.2
Bomba *	Pescara	42.034444	14.368333	424	88.2	88.2	89.6
Bonefro *	Pescara	41.700000	14.936111	631	94.1	94.1	93.2

Bosco Umbra *	Bari	41.816667	16.002778	750	90.4	94.4	86.7
Bovino *	Bari	41.250000	15.336111	646	85.3	92.6	85.1
Brienza	Naples	40.483333	15.469444	760	19.6	19.6	32.1
Brittoli	Pescara	42.316667	13.852778	781	76.5	76.5	67.5
Buccino	Naples	40.633333	15.386111	659	23.5	23.5	32.1
Buonalbergo	Naples	41.216667	14.969444	570	2.0	2.0	3.2
Calitri*	Bari	40.900000	15.436111	525	61.5	65.9	80.0
Campana *	Pescara	42.250000	13.569444	570	85.3	85.3	86.7
Campitello Matese	Pescara	41.483333	14.400222	1432	27.5	27.5	45.0
Campo di Giove *	Pescara	42.016667	14.052778	1064	98.0	98.0	93.2
Campo Imperatore	Pescara	42.450000	13.569444	2125	52.9	52.9	19.3
Campobasso *	Pescara	41.560058	14.661959	686	98.0	98.0	93.2
Campolattaro	Naples	41.283333	14.736111	519	9.8	9.6	15.7
Campolieto *	Pescara	41.633333	14.336111	700	96.1	96.1	93.2
Campotosto *	Pescara	42.550000	13.369444	1430	96.1	96.1	90.0
Canistro (Enel)	Naples	41.950000	13.402778	500	2.0	2.0	0.0
Cant. Ortolano	Pescara	42.516667	13.419444	1010	66.7	66.7	54.6
Cant. Porcinaro	Pescara	42.483333	13.369444	1160	43.1	43.1	16.1
Canterno (Enel)	Naples	41.750000	13.252778	538	13.7	13.7	19.3
Capistrello	Naples	41.966667	13.386111	659	64.5	64.5	61.0
Cappadocia *	Naples	42.016667	13.269444	1157	80.4	80.4	67.1
Capracotta *	Pescara	41.833333	14.269444	1400	92.2	92.2	83.5
Caramanico	Pescara	42.166667	14.002778	600	70.3	70.3	54.2
Carapelle Calvisio *	Pescara	42.300000	13.686111	910	92.2	92.2	96.4
Cardito Lago Selva (Enel)	Naples	41.605543	13.971502	669	35.3	35.3	57.8
Carife *	Naples	41.016667	15.202778	740	64.7	64.7	90.0
Carovilli *	Pescara	41.716667	14.436111	892	96.1	96.1	93.2
Carpineto Romano	Naples	41.606754	13.082862	604	3.9	3.9	0.0
Carpinone	Naples	41.600000	14.319444	673	41.2	41.2	25.3
Casacalenda *	Pescara	41.733333	14.852778	625	82.4	82.4	83.5
Casalbuono	Naples	40.216667	15.686111	500	54.9	54.9	61.0
Casamaina	Pescara	42.266667	13.386111	1398	49.0	49.0	19.3
Cassano Irpino	Naples	40.866667	15.019444	584	17.6	17.6	28.9
Castel del Monte *	Pescara	42.366667	13.719444	1300	92.2	92.2	96.0
Castel del Monte *	Bari	41.083333	16.269444	525	72.1	73.3	81.5
Castel di Sangro *	Pescara	41.783333	14.102778	805	94.1	94.1	90.0
Castel Lagopesole *	Bari	40.804014	15.734283	829	89.2	91.7	88.0
Castel S. Vincenzo	Naples	41.650000	14.052778	776	54.9	54.9	38.6
Castelcivita	Naples	40.500000	15.236111	527	13.5	13.5	9.6
Castelfranco in Miscano	Naples	41.316667	15.086111	770	5.9	5.9	6.4

Castelli *	Pescara	42.483333	13.702728	600	84.3	84.3	70.7
Castelluccio di Norcia	Rome	42.829000	13.214000	1453	82.8	83.3	81.5
Castelluccio Valmaggiore	Bari	41.333333	15.200222	610	12.0	11.5	16.5
Castelmauro *	Pescara	41.833333	14.719444	700	82.1	82.4	83.5
Castelnuovo della Daunia	Pescara	41.583333	15.119444	543	78.4	78.4	70.7
Castelvetere di Valfortore *	Pescara	41.433333	14.936111	706	100.0	100.0	96.4
Castiglione M.M. *	Pescara	41.867980	14.448730	1081	96.1	96.1	90.0
Castropignano *	Pescara	41.616667	14.569444	700	84.3	84.3	93.2
Cellole (Fasano Enel)	Naples	41.203965	13.854955	545	0.0	3.9	0.0
Centrale Anversa *	Pescara	42.000000	13.802778	650	88.2	88.2	93.2
Cerchio (Ente Fucino)	Naples	42.066667	13.602778	834	43.1	43.1	51.4
Cermignano	Pescara	42.590890	13.795758	543	9.8	9.8	16.1
Chiauci *	Pescara	41.683333	14.386111	879	100.0	100.0	96.4
Chieti *	Pescara	42.350000	14.169444	341	88.2	88.2	89.6
Civita D'Antino	Naples	41.883333	13.469444	870	41.2	41.2	12.4
Civitacampomariano *	Pescara	41.783333	14.686111	520	92.2	92.2	83.5
Civitella Alfedena	Pescara	41.766667	13.936111	1084	78.4	78.4	61.0
Civitella del Tronto *	Pescara	42.766667	13.669444	589	88.2	88.2	83.5
Civitella Roveto (Ente Fucino)	Naples	41.916667	13.419444	510	11.8	11.8	9.6
Cocullo *	Pescara	42.033333	13.769444	870	92.2	92.2	83.5
Colle Sannita	Naples	41.366667	14.836111	719	37.3	37.3	16.1
Collechiavica (Enel)	Naples	41.581165	13.856312	730	2.0	2.0	3.2
Colleparado-Trisulti	Naples	41.766667	13.369444	820	79.9	79.9	73.1
Collepietro *	Pescara	42.216667	13.786111	885	98.0	98.0	96.4
Colletorto *	Pescara	41.666667	14.969444	515	94.1	94.1	90.0
Colli al Volturno	Naples	41.600000	14.102778	549	2.0	2.0	0.0
Cortino *	Pescara	42.616667	13.502778	1000	98.0	98.0	96.4
Cusano Mutri	Naples	41.333333	14.502778	512	17.6	17.6	16.1
Ercolano (Osservatorio Vesuviano)	Naples	40.816667	14.402778	608	5.9	5.9	6.4
Faeto *	Bari	41.283333	15.269444	809	79.4	80.4	88.4
Fano a Corno *	Pescara	42.483333	13.619444	670	88.2	88.2	96.4
Fano Adriano *	Pescara	42.550000	13.536111	750	88.2	88.2	77.1
Farindola *	Pescara	42.433333	13.819444	567	88.2	88.2	93.2
Fiuggi (Fonte Vecchia)	Naples	41.783333	13.369444	621	45.1	45.1	51.4
Forca di Penne *	Pescara	42.283333	13.836111	917	88.2	88.2	80.3
Forenza *	Bari	40.858913	15.857422	836	61.0	66.7	82.3
Forlì del Sannio	Naples	41.683333	14.169444	625	3.9	3.7	0.0
Frattura	Pescara	41.933333	13.869444	1260	72.5	72.5	51.4

Frigento *	Naples	41.016667	15.102778	910	82.1	82.1	86.7
Frosolone *	Pescara	41.600000	14.452778	894	98.0	98.0	96.4
Fucino Ottomila (Ente Fucino)	Naples	42.000000	13.552778	650	37.3	37.3	38.6
Fucino Borgo Via Nuova (Ente Fucino)	Naples	42.016667	13.452778	669	7.8	7.8	9.6
Fucino Strada 28 (Ente Fucino)	Naples	41.966667	13.636111	665	15.7	15.7	9.6
Fucino Strada 39 (Ente Fucino)	Naples	41.978188	13.504656	665	7.8	7.8	0.0
Gallo (Enel)	Naples	41.464069	14.226661	840	21.6	23.5	38.6
Gessopalena *	Pescara	42.050000	14.269444	654	82.4	82.4	80.3
Ginepri *	Pescara	42.650000	13.586111	820	98.0	98.0	93.2
Ginestra degli Schiavoni	Naples	41.277925	15.040356	540	21.6	21.6	35.3
Gioi Cilento	Naples	40.283333	15.219444	685	45.1	45.1	28.9
Gioia Vecchia (Ente Fucino) *	Naples	41.900000	13.736111	1375	86.3	86.3	93.2
Goriano Sicoli *	Pescara	42.083333	13.786111	705	100.0	100.0	96.4
Guarcino (Enel)	Naples	41.800000	13.286111	625	17.6	17.6	22.5
Guardiagrele *	Pescara	42.200000	14.219444	577	86.0	86.0	83.1
Guardiaregia *	Pescara	41.433333	14.536111	733	98.0	98.0	96.4
Gubbio*	Rome	43.341000	12.563000	529	81.6	81.6	73.5
Indiprete	Pescara	41.545554	14.339626	640	78.4	78.4	64.3
Lacedonia *	Bari	41.050000	15.419444	707	72.3	76.0	81.1
Laceno Lago	Naples	40.800000	15.102778	1170	11.8	11.8	19.3
Lago Fucino	Naples	41.995128	13.547446	653	9.8	9.8	0.0
Lago Matese (Brecce)	Naples	41.400000	14.386111	1050	38.7	38.7	41.4
Lago Matese (Scennerato)	Naples	41.416667	14.402778	1010	9.8	9.8	6.4
Lama dei Peligni *	Pescara	42.033333	14.186111	650	88.2	88.2	90.0
Lanciano *	Pescara	42.225833	14.384444	288	86.3	86.3	83.5
L'Aquila *	Pescara	42.350000	13.402778	735	92.2	92.2	86.7
Leonessa *	Rome	42.578600	12.953600	974	86.3	86.3	77.1
Letino (Bacino)	Naples	41.450000	13.919444	1187	64.7	64.7	57.8
Liberi (Contrada Merangeli)	Naples	41.233333	14.286111	510	21.6	21.6	32.1
Lioni	Bari	40.883333	15.186111	540	52.2	53.9	51.4
Materdomini	Naples	40.819689	15.236370	570	23.5	21.6	12.9
Materdomini (Acquedotto Pugliese)	Naples	40.816667	15.236111	520	1.5	1.5	0.0
Melfi *	Bari	40.983890	15.616940	569	90.4	91.7	83.1
Miranda	Naples	41.640881	14.247436	850	3.9	2.0	3.2

Montazzoli *	Pescara	41.950000	14.436111	800	98.0	98.0	96.4
Monte S. Angelo *	Bari	41.700000	15.952778	843	84.1	84.6	72.7
Monte Terminillo *	Rome	42.455600	12.992800	1750	83.3	84.1	86.3
Montecalvo Irpino	Naples	41.200000	15.036111	585	3.9	3.9	6.4
Montefalcone di Val Fortore *	Pescara	41.333330	15.019444	850	94.1	94.1	96.4
Monteleone di Puglia *	Bari	41.166667	15.252778	828	89.7	92.4	85.5
Montella *	Naples	40.850000	15.041667	500	51.0	51.0	83.1
Montemarano	Naples	40.914618	14.997141	820	3.9	3.9	6.4
Montemitro *	Pescara	41.883333	14.652778	520	86.3	86.3	86.3
Montenero Valcocchiara *	Pescara	41.716667	14.069444	900	90.2	90.2	80.3
Montenerodomo *	Pescara	41.983333	14.252778	1100	84.3	84.3	90.0
Montereale *	Pescara	42.483333	13.252778	948	89.0	89.0	93.2
Montesarchio	Naples	41.033333	14.669444	560	13.7	13.5	18.9
Montevergine Observatory *	Naples	40.936569	14.728316	1280	87.5	89.5	99.6
Monticchio Bagni	Bari	40.933333	15.600000	713	62.7	67.9	74.7
Morcone	Naples	41.350000	14.669444	640	9.6	9.6	6.4
Muro Lucano	Naples	40.750000	15.486111	570	51.0	51.0	25.7
Nerito *	Pescara	42.550000	13.486111	800	98.0	98.0	93.2
Nocera Umbra	Rome	43.119000	12.791000	548	75.0	76.0	71.1
Nusco *	Bari	40.883333	15.086111	863	86.5	92.6	88.4
Orsara di Puglia	Bari	41.251110	15.284720	650	68.1	76.2	79.5
Orto di Zolfo *	Bari	41.366667	15.133556	910	52.2	55.9	83.9
Ortona dei Marsi	Naples	41.997381	13.728044	942	21.6	21.6	34.5
Ortucchio	Naples	41.953711	13.644069	680	23.5	23.5	38.6
Ovindoli	Naples	42.136777	13.515050	1375	17.2	17.2	0.0
Ovindoli (Ente Fucino) *	Naples	42.133333	13.519444	1370	68.6	68.6	93.2
Pacentro *	Pescara	42.050000	13.986111	650	80.4	80.4	67.5
Padula	Naples	40.350000	15.652778	682	54.9	54.7	51.0
Palata *	Pescara	41.883333	14.786111	521	88.2	88.2	90.0
Palena *	Pescara	41.983333	14.136111	767	92.2	92.2	96.4
Palmoli *	Pescara	41.933333	14.586111	711	95.8	95.8	96.0
Passo Capannelle	Pescara	42.450000	13.336111	1300	38.5	38.5	2.0
Passo Godi	Pescara	41.846591	13.928336	1542	15.7	15.7	25.7
Passo Lanciano	Pescara	42.188770	14.105029	1470	44.9	44.9	31.7
Pennapiedimonte *	Pescara	42.150000	14.202778	669	96.1	96.1	93.2
Pescasseroli *	Pescara	41.800000	13.786111	1150	91.9	92.2	83.5
Pescina	Naples	42.033333	13.652778	653	45.1	45.1	54.2
Pescocostanzo *	Pescara	41.883333	14.069444	1395	90.2	90.2	80.3
Pescopagano *	Bari	40.833333	15.402778	954	86.5	89.2	88.8

Pescopennataro *	Pescara	41.883333	14.302778	1190	96.1	96.1	93.2
Pescosansonesco *	Pescara	42.254126	13.884449	540	96.1	96.1	93.2
Petrella Liri (Ente Fucino)	Naples	42.016667	13.286111	1065	23.5	23.5	19.3
Pettorano (C.Le Gizio)	Pescara	41.966667	13.969444	520	78.4	78.4	64.3
Piaggine	Naples	40.350000	15.386111	710	25.5	25.5	18.9
Picerno	Naples	40.633333	15.602778	728	49.3	49.3	35.3
Picinisco	Naples	41.650000	13.869444	725	9.8	9.8	16.1
Picinisco - Grotta Campanaro (Enel)	Naples	41.666667	13.902778	785	41.2	41.2	57.8
Piedimonte D'Alife (Oss. M. Muto)	Naples	41.350000	14.336111	579	9.8	9.8	0.0
Piedimonte Matese (Monte Muto)	Naples	41.333333	14.502778	545	3.9	3.9	6.4
Piedipaterno	Rome	42.766667	12.869444	333	64.7	64.7	50.6
Pietrabbondante	Pescara	41.750000	14.386111	1027	78.4	78.4	73.9
Pietracamela *	Pescara	42.516667	13.552778	1000	97.8	98.0	96.4
Pietralunga *	Rome	43.433333	12.436111	607	87.0	87.3	87.1
Pizzoferrato *	Pescara	41.916667	14.236111	1251	100.0	100.0	93.2
Poggio Picenze *	Pescara	42.316667	13.552778	830	94.1	94.1	86.7
Pretoro *	Pescara	42.216667	14.136111	550	92.2	92.2	93.2
Riccìa *	Pescara	41.483333	14.836111	700	90.2	90.2	90.0
Ripabottoni	Pescara	41.683333	14.802778	650	78.4	78.4	61.0
Ripacandida *	Bari	40.900830	15.733330	620	88.0	90.4	82.3
Rocca di Mezzo *	Pescara	42.200000	13.519444	1329	94.1	94.1	90.0
Rocca Pia	Pescara	41.933333	13.986111	1184	76.5	76.5	57.8
Rocca S. Maria Fr. Imposta	Pescara	42.686402	13.527177	1085	11.8	11.8	19.3
Roccacaramanico	Pescara	42.100000	14.019444	1050	25.5	25.5	0.0
Roccacasale *	Pescara	42.122263	13.887687	500	96.1	96.1	93.2
Roccagloriosa	Naples	40.100000	15.436111	501	11.8	11.8	6.4
Roccamandolfi *	Pescara	41.500000	14.352778	810	100.0	100.0	96.4
Roccamonfina	Naples	41.283333	13.986111	815	31.4	31.4	16.1
Roccamorice	Pescara	42.211941	14.025482	520	68.6	68.6	64.3
Roccaraso *	Pescara	41.833333	14.069444	1245	76.5	76.5	86.7
Roccasicura *	Naples	41.700000	14.236111	722	88.2	86.3	89.6
Rocchetta a Volturno	Naples	41.622739	14.087783	548	7.8	7.8	12.9
Rocchetta S. Antonio	Bari	41.100000	15.452778	679	64.5	71.1	79.1
Rosello *	Pescara	41.900000	14.352778	890	88.2	88.2	93.2
Roseto Valfortore *	Pescara	41.366667	15.102778	650	98.0	98.0	96.4
S. Agata di Puglia	Bari	41.150000	15.386111	791	71.8	76.5	73.5

S. Angelo a Fasanella	Naples	40.450000	15.352778	557	39.2	39.2	19.3
S. Angelo D'Alife	Naples	41.366667	14.269444	780	2.0	2.0	0.0
S. Angelo dei Lombardi *	Bari	40.933333	15.169444	870	88.0	91.9	83.9
S. Angelo Limosano	Pescara	41.700000	14.602778	899	64.7	64.7	51.4
S. Bartolomeo in Galdo	Pescara	41.416667	15.019444	554	76.5	76.5	77.1
S. Benedetto dei Marsi (Ente Fucino)	Naples	42.016667	13.619444	670	39.2	39.2	44.2
S. Biagio Saracinesco *	Naples	41.600000	13.936111	850	80.4	80.4	79.9
S. Biagio Saracinesco (Selva) Enel	Naples	41.613426	13.927501	800	3.9	3.9	0.0
S. Croce del Sannio	Naples	41.366667	14.736111	724	44.6	44.6	18.5
S. Donato Val di Comino	Naples	41.706856	13.812443	800	17.6	17.6	0.0
S. Elia a Pianisi *	Pescara	41.616667	14.869444	650	94.1	94.1	86.7
S. Eufemia a Maiella *	Pescara	42.116667	14.019444	870	70.6	70.6	93.2
S. Giorgio la Molarata	Naples	41.266667	14.919444	580	3.9	3.9	0.0
S. Giovanni a Piro	Naples	40.050000	15.452778	585	15.7	15.7	19.3
S. Giovanni Rotondo *	Bari	41.700000	15.736111	557	75.5	77.2	83.1
S. Gregorio Matese (Enel)	Naples	41.383333	14.369444	535	7.8	7.8	6.4
S. Iona (Ente Fucino)	Naples	42.099133	13.510097	950	2.0	2.0	0.0
S. Marco In Lamis *	Bari	41.716667	15.636111	560	89.2	90.9	83.5
S. Mauro Cilento	Naples	40.225675	15.044967	530	2.0	2.0	3.2
S. Pelino	Pescara	42.052530	13.461754	751	31.4	31.4	25.7
S. Pietro Avellana (Feudozzo)	Naples	41.774046	14.381815	927	31.4	31.4	51.4
S. Rufo	Naples	40.416667	15.469444	620	21.6	21.6	16.1
S. Stefano Di Sessanio	Pescara	42.350000	13.636111	1221	76.5	76.5	57.8
Sala Consilina	Naples	40.383330	15.602778	580	27.5	27.5	16.1
San Fele *	Bari	40.816667	15.536111	862	90.2	91.2	80.7
San Vito Romano	Naples	41.883333	12.986111	605	66.7	66.7	63.9
Sansumino	Naples	40.200227	15.276225	518	2.0	2.0	0.0
Santa Fiora	Rome	42.833333	11.586111	687	75.7	76.0	63.9
Santeramo In Colle	Bari	40.800000	16.752778	503	63.5	65.4	71.5
Savignano Di Puglia	Bari	41.233333	16.186111	718	51.0	53.7	36.9
Savignano Irpino	Bari	41.216940	15.183330	726	20.8	22.5	39.4
Scanno *	Pescara	41.900000	13.886111	1030	86.3	88.2	90.0
Scoppito *	Pescara	42.366667	13.252778	800	96.1	96.1	90.0
Segni	Naples	41.690138	13.020036	666	58.8	58.8	51.4
Senerchia	Naples	40.733333	15.202778	600	2.0	2.0	3.2
Sepino	Naples	41.400000	14.619444	716	70.6	70.6	64.3

Settefrati (Mad. Del Canneto) Enel	Naples	41.683333	13.902778	764	5.9	5.9	9.6
Settefrati (Paese)	Naples	41.666667	13.852778	784	27.5	27.5	45.0
Sorgenti Scirca *	Rome	43.350000	12.719444	750	90.2	90.2	86.7
Spinete *	Pescara	41.550000	14.486111	590	94.1	94.1	90.0
Sulmona *	Pescara	42.050000	13.919444	420	90.0	90.2	92.8
Teora	Bari	40.850000	15.252778	762	60.5	70.3	77.5
Termine *	Pescara	42.433333	13.202778	1050	96.1	96.1	93.2
Torella Dei Lombardi	Naples	40.933333	15.119444	615	64.7	64.5	60.6
Tornimparte *	Pescara	42.283333	13.302778	886	90.0	90.2	93.2
Toro *	Pescara	41.566667	14.769444	540	82.4	82.4	83.5
Torrebruna *	Pescara	41.866667	14.536111	857	90.2	90.2	96.4
Tramonti (Chiunzi)	Naples	40.716667	14.619444	675	29.4	29.4	41.8
Treponti	Pescara	42.475005	13.286111	764	17.6	17.6	0.0
Trivento	Pescara	41.783333	14.552778	550	78.2	78.2	73.5
Vallata	Naples	41.033333	15.252778	870	19.6	19.6	12.9
Valleluce (Collechiavica) Enel	Naples	41.583333	13.852778	680	33.3	33.3	48.2
Vallo Della Luc. (Cann.)	Naples	40.243917	15.293364	521	19.6	19.6	32.1
Vastogirardi *	Pescara	41.766667	14.252778	1137	88.2	88.2	86.7
Villa S. Lucia *	Pescara	42.333333	13.769444	850	96.1	96.1	93.2
Villa Vallucci *	Pescara	42.600000	13.602778	500	84.3	84.3	86.7
Villalago	Pescara	41.930000	13.830000	935	23.5	23.5	38.6
Villavallelonga	Naples	41.871437	13.620439	1005	31.4	31.4	6.4
Villavallelonga * (Ente Fucino)	Naples	41.866667	13.619444	1005	64.7	64.7	86.7
Vinchiaturò *	Pescara	41.483333	14.586111	624	90.2	90.2	93.2
Volturara Appula *	Pescara	41.500000	15.052778	668	88.2	88.2	83.5
Volturino	Bari	41.483333	15.116889	735	33.3	42.6	68.7

Table S2. List of break points identified in the investigated SCD and NDS time series by Climatol toolbox. For each inhomogeneous station, the date (mm/yyyy) when break point occurred and the detected Standard Normal Homogeneity Test (SNHT) value are shown.

Station name	Date (mm/yyyy)	Parameter	SNHT value
Cappadocia	12/1980	SCD	47.9
Gioia Vecchia	11/1998	SCD	31.4
Pescopagano	04/1957	SCD	45.3
Bosco Umbra	04/1963	SCD	59.9
Pizzoferrato	04/1966	SCD	71.4
Roccamandolfi	04/1973	SCD	41.1
Spinete	12/1977	SCD	46.8
Capracotta	05/1983	NDS	45.7
Pizzoferrato	04/1966	NDS	77.8