On the use of gridded data products for trend assessment and aridity classification in a Mediterranean context: the case of the Apulia region

SUPPLEMENT

My et al.

Table S1. Meteorological stations considered in the study.

Station	Longitude [DD]	Latitude [DD]	Elevation [m a.s.l.]	RR	Tm, TX, TN
Adelfia	16.8666	41.0003	153	x	
Alberona	15.1234	41.4309	711	x	
Altamura	16.5534	40.8231	458	x	x
Andria	16.2942	41.2205	162	x	x
Ascoli Satriano	15.5646	41.2012	435	x	x
Bari Presidenza	16.8820	41.1198	17	x	
Bari Idrografico	16.8820	41.1198	20		x
Barletta	16.2748	41.3134	30	x	x
Biccari	15.1900	41.3920	590	x	
Bisceglie	16.4968	41.2382	30	x	
Bitonto	16.6941	41.1091	126	x	
Borgo Libertà	15.7156	41.1889	235	x	
Bosco Umbra	15.7136	41.8170	780	x	x
Bovino	15.3375	41.2450	596	x	
Brindisi	17.9269	40.4781	22	x	x
Cagnano Varano	15.7696	41.8262	167	x	x
Canosa di Puglia	16.0620	41.2240	116	x	x
Casamassima	16.9180	40.9540	229	x	x
Cassano Murge	16.7709	40.8879	380	x	
Castel del Monte	16.2739	41.0785	470	x	
Castellana Grotte	17.1654	40.8815	300	x	x
Castellaneta	16.9323	40.6289	236	x	x
Castelluccio dei Sauri	15.4762	41.3027	210	x	
Ceglie Messapica	17.5182	40.6452	312	x	
Cerignola	15.9050	41.2634	134	x	x
Conversano	17.1141	40.9632	212	x	
Copertino	18.0516	40.2684	34	x	
Corato	16.4133	41.1528	249	x	
Crispiano	17.2358	40.5990	265	x	x
Fasano	17.3583	40.8380	118	x	x
Foggia Osservatorio	15.5427	41.4607	94	x	x
Fonte Rosa	15.7743	41.4343	25	x	
Galatina	18.1715	40.1720	73	x	
Gallipoli	17.9945	40.0545	31	x	
Ginosa	16.7575	40.5768	254	x	
Ginosa Marina	16.8844	40.4266	15	x	x
Gioia del Colle	16.9231	40.8005	377	x	x
Grottaglie	17.4414	40.5393	165	x	x
Grumo Appula	16.7104	41.0117	202	x	
Latiano	17.7098	40.5486	114	x	x
Lecce	18.1675	40.3583	51	x	x
Lesina	15.3532	41.8622	17	x	x
Lizzano	17.4487	40.3874	71	x	x
Locorotondo	17.3383	40.7534	397	x	x
Lucera	15.3357	41.5107	224	x	x
Maglie	18.2936	40.1190	102	x	x
Manduria	17.6352	40.3980	79	x	x
Manfredonia	15.8802	41.5831	2	x	x
Massafra	17.1084	40.5755	113	x	x
Masseria Monteruga	17.8410	40.3523	92	x	
Masseria S.Chiara	16.1344	41.3364	10	x	
Mercadante	16.7006	40.8897	395	x	x

Minervino di Lecce	18.4196	40.0913	103	x	
Minervino Murge	16.0840	41.0750	502	x	
Monteleone di Puglia	15.2587	41.1638	828	x	
Nardò	18.0338	40.1728	54	x	x
Noci	17.1229	40.7953	423	x	
Novoli	18.0512	40.3781	51	x	
Ortanova	15.7068	41.3258	84	x	
Orsara di Puglia	15.2665	41.2804	689	x	
Ostuni	17.5779	40.7257	115	x	x
Otranto	18.4885	40.1438	27	x	x
Pietramontecorvino	15.1289	41.5434	464	x	x
Polignano a Mare	17.2190	40.9912	50	x	x
Presicce	18.2670	39.8966	105	x	x
Rocchetta S.Antonio	15.4655	41.1050	679	x	
Rocchetta S.Antonio Scalo	15.5493	41.0788	220	x	
Ruvo di Puglia	16.4835	41.1136	274	x	x
San Giorgio Jonico	17.3822	40.4578	86	x	x
San Giovanni Rotondo	15.7199	41.7067	627	x	x
San Marco in Lamis	15.6361	41.7102	564	x	
SanNicandroGarganico	15.5625	41.8371	228	x	
San Pancrazio	17.8398	40.4185	69	x	
San Pietro Vernotico	18.0015	40.4806	49	x	x
San Severo	15.3838	41.6928	99	x	x
Sant'Agata	15.3813	41.1492	791	x	
Spinazzola	16.0970	40.9616	458	x	
Taranto	17.2504	40.4643	27	x	x
Taviano	18.0888	39.9818	65	x	x
Torremaggiore	15.2921	41.6894	184	x	
Troia	15.3096	41.3615	436	x	
Turi	17.0224	40.9205	268	x	
Vico del Gargano	15.9583	41.8912	450	x	
Vieste	16.1752	41.8800	33	x	x
Vignacastrisi	18.4088	40.0118	99	x	x

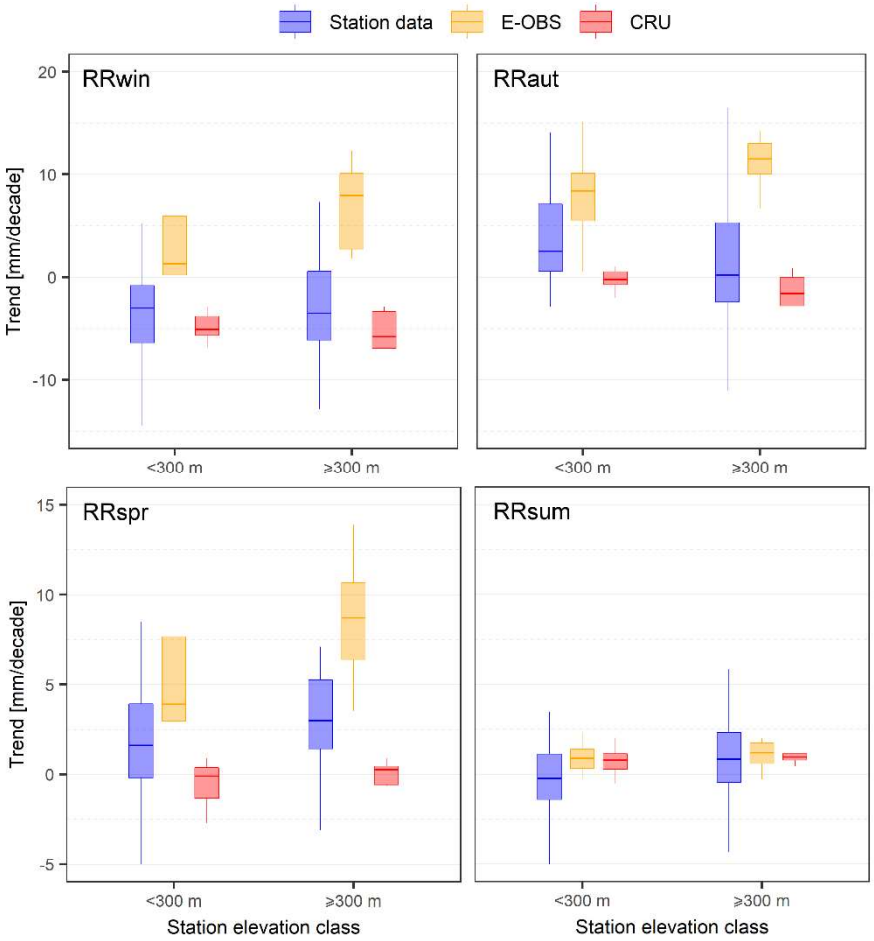

Figure S1. Calculated trend rates for seasonal precipitation using the three considered databases.

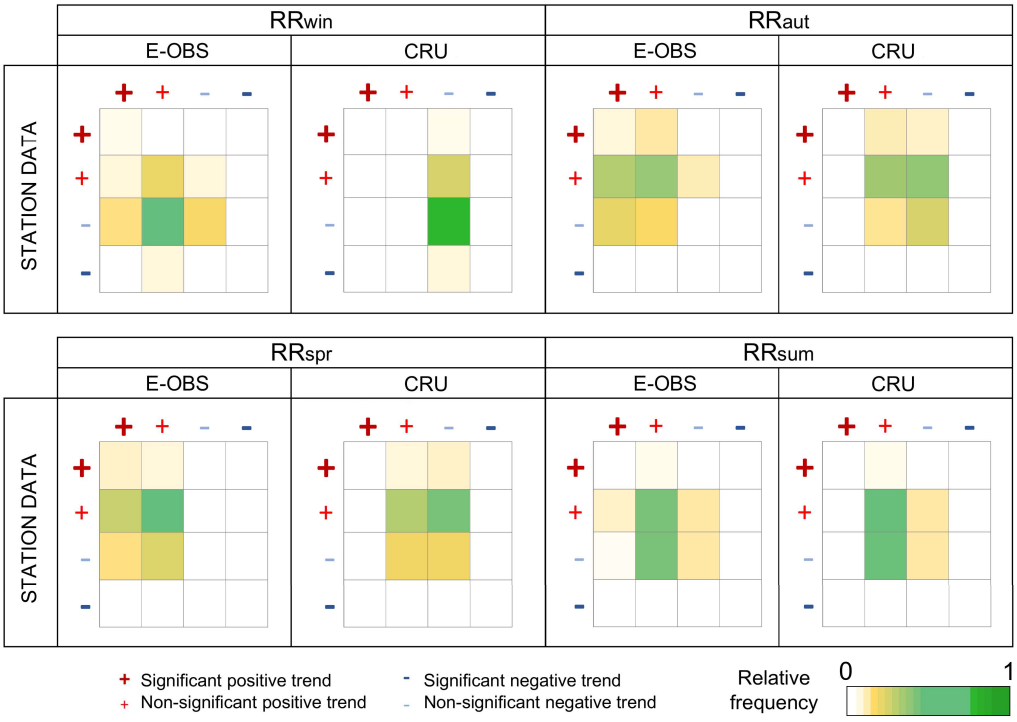

Figure S2. Normalized contingency matrices for detected trend sign for seasonal precipitation using the three considered databases.

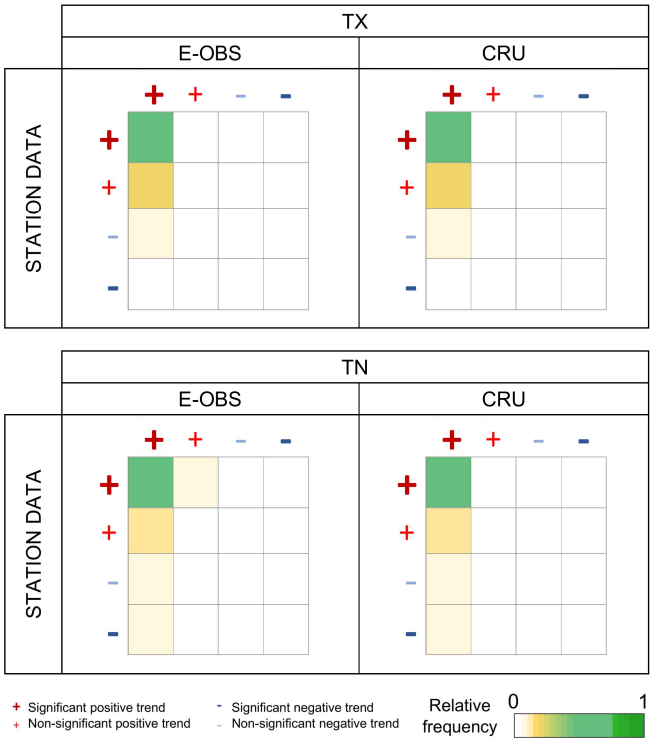

Figure S3. Normalized contingency matrices for detected trend signs for annual maximum (TX) and minimum (TN) temperatures using the three considered databases.

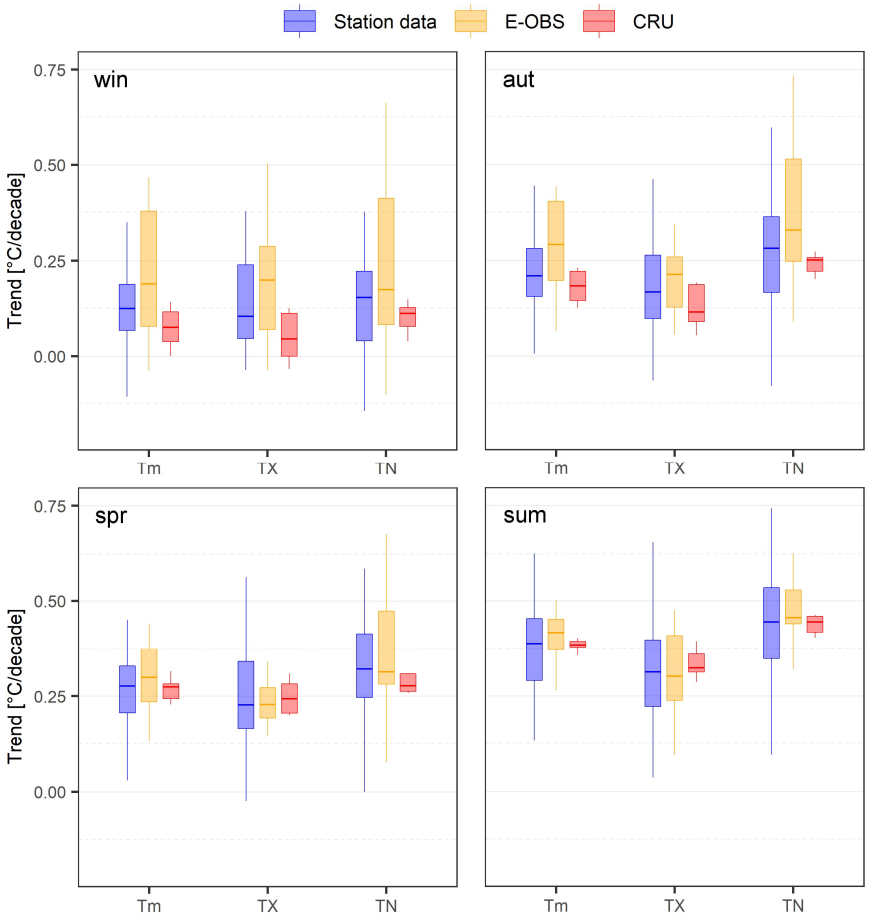

Figure S4. Calculated trend rates for seasonal mean (Tm), maximum (TX) and minimum (TN) temperatures using the three considered databases.

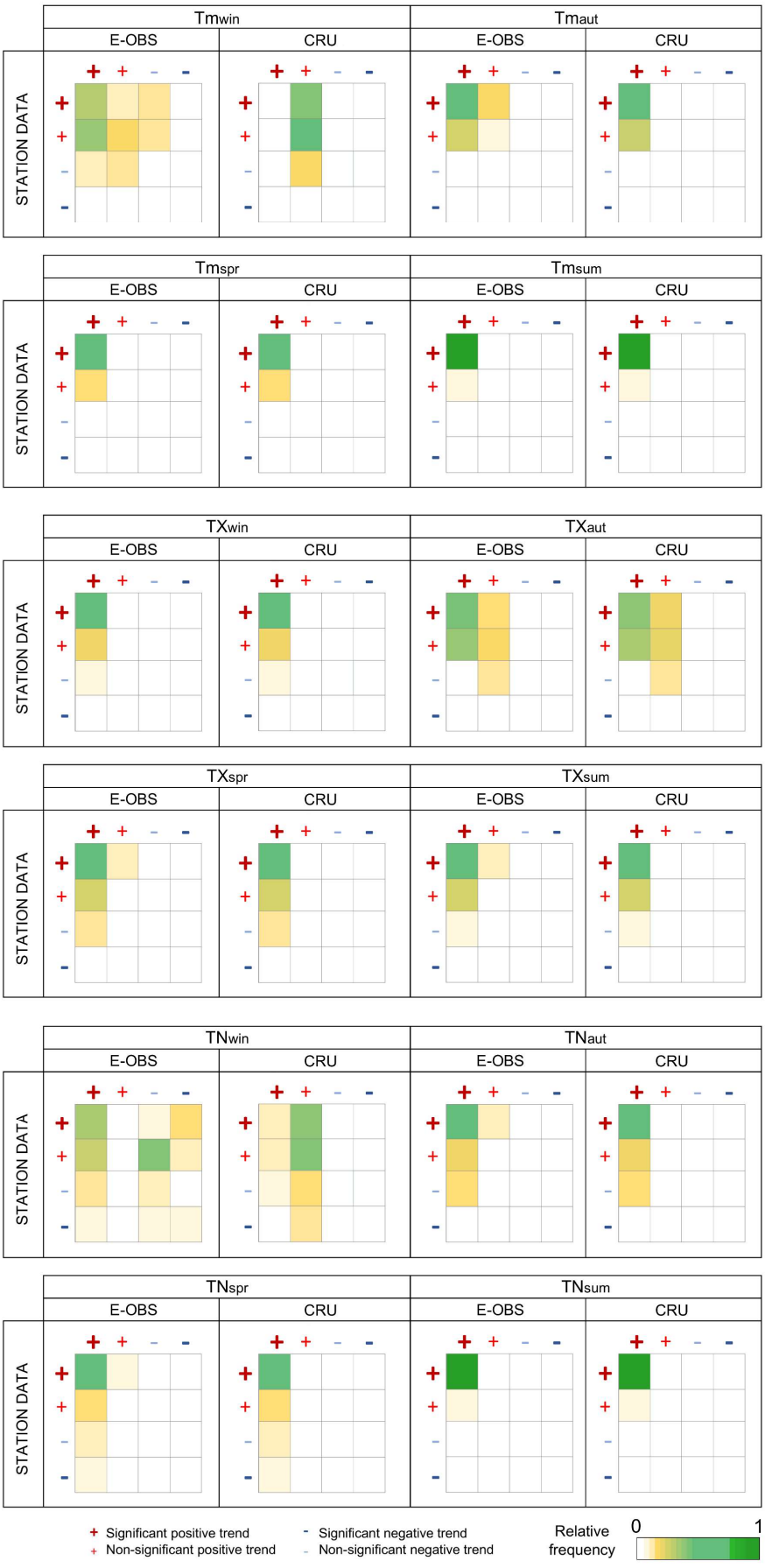

Figure S5. Normalized contingency matrices for detected trend signs for seasonal mean (Tm), maximum (TX) and minimum (TN) temperatures using the three considered databases.