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Supplement of

A hybrid method for reconstructing the historical evolution of aerosol optical depth from sunshine duration measurements

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Table S1. Computed monthly burning thresholds for all stations

Station name	Burning threshold for each month											
	J	F	M	A	M	J	J	A	S	O	N	D
Munich University	242	174	155	157	194	189	203	184	138	127	208	208
Ispra	543	370	310	298	459	550	514	498	334	269	515	548
Montsec	617	429	399	436	441	420	446	305	384	421	801	672
Valladolid			281	527	518	409	376	457	351	513	455	
Zaragoza	295	235				290	259	260	315	251	254	554
Barcelona	96	57	386	333	320	345	312	269	392	330	87	126
Palma de Mallorca						342	235	290				
Burjassot	276	151	163	202	143	190	173	163	134	153	232	312
Caceres	486	466	380	350	275	251	263	265	403	438	510	552
Badajoz	686	339	413	248	231	191	227	237	293	348	405	638
Murcia	317	244	402	127	173	159	148	178	249	302	377	345
Granada	469	456	491	338	223	237	180	189	360	403	428	425
El Arenosillo	391	395	417	390	316	310	297	226	343	425	368	388
Malaga	526	408	406	352	322	280	283	289	311	355	450	526
Santa Cruz Tenerife	301	398	296	344	196	158	142	151	155	151	178	462
Izana	461	443	463	408	431	256	93	83	230	469	423	453