

Supplementary File

List of the 94 AERONET stations used in the validation. Columns indicate the designation, longitude, latitude, altitude and number of data.

Site_Name	Longitude (°)	Latitude (°)	Elevation (m a.s.l.)	N
AgiaMarina_Xyliatou	33.0	35.03	521	64
Andenes	16.00	69.27	379	16
Aras_de_los_Olmos	-1.10	39.94	1280	47
Arcachon	-1.163	44.66	11	6
ATHENS-NOA	23.71	37.97	130	4
Aubiere_LAMP	3.11	45.76	423	20
Barcelona	2.11	41.38	125	14
Ben_Salem	9.91	35.55	130	10
Birkenes	8.25	58.38	230	5
Brno_Airport	16.68	49.15	238	20
Brussels	4.35	50.78	120	27
Burjassot	-0.42	39.50	104	18
Cabo_da_Roca	-9.49	38.78	136	30
Camborne_MO	-5.32	50.21	87	10
Carpentras	5.05	44.08	107	72
Cerro_Poyos	-3.48	37.10	1809	7
Chilbolton	-1.43	51.14	88	7
CLUJ_UBB	23.55	46.76	405	42
Coruna	-8.42	43.36	67	60
Davos	9.84	46.81	1589	12
Dunkerque	2.36	51.03	5	32
EastMalling_MO	0.44	51.29	33	34
Eforie	28.63	44.07	40	24
Eilat	34.91	29.50	15	29
El_Arenosillo	-6.73	37.10	59	47
Ersa	9.35	43.00	80	57
Evora	-7.91	38.56	293	25
Finokalia-FKL	25.66	35.33	258	8
FZJ-JOYCE	6.41	50.90	111	35
Glasgow_MO	-4.53	55.90	59	23
Gozo	14.26	36.03	111	11
Granada	-3.60	37.16	680	38
Helsinki	24.96	60.20	52.8	23
HohenpeissenbergDWD	11.01	47.80	989.68	33
Hyytiala	24.29	61.84	191	58
Iasi_LOASL	27.55	47.19	175	9
IMAA_Potenza	15.72	40.60	770	25
IMS-METU-ERDEMLI	34.25	36.56	3	14
Ispra	8.62	45.80	235	22
Izana	-16.49	28.30	2401	46
Karlsruhe	8.42	49.09	140	18
Kuopio	27.63	62.89	105	7
Kyiv	30.49	50.36	200	84
La_Laguna	-16.32	28.48	568	6

Lamezia_Terme	16.23	38.87	8	21
LAQUILA_Coppito	13.35	42.36	656	40
Lecce_University	18.11	40.33	30	27
Leipzig	12.43	51.35	125	78
Lille	3.14	50.61	60	32
Madrid	-3.72	40.45	680	94
Magurele_Inoe	26.03	44.34	90	11
Mainz	8.30	49.99	150	6
Medenine-IRA	10.64	33.49	33.5	48
Messina	15.56	38.19	15	4
MetObs_Lindenberg	14.12	52.20	120	29
Minsk	27.60	53.92	235	27
Montsec	0.72	42.05	1574	12
Munich_University	11.57	48.14	533	10
Murcia	-1.17	38.00	69	41
Napoli_CeSMA	14.30	40.83	50	22
OHP_OBSERVATOIRE	5.71	43.93	680	31
Oxford	-1.25	51.75	87	21
Palaiseau	2.21	48.71	156	42
Palencia	-4.51	41.98	750	9
Palma_de_Mallorca	2.62	39.55	10	17
Paris	2.35	48.84	50	8
Poprad-Ganovce	20.32	49.03	706	16
Raciborz	18.19	50.08	230	35
Rame_Head	-4.21	50.31	105	12
Rhyl_MO	-3.50	53.25	77	3
Rome_La_Sapienza	12.51	41.90	75	50
Saada	-8.15	31.62	420	8
San_Giuliano	9.51	42.28	55	7
San_Pietro_Capo	11.61	44.65	11	5
SEDE_BOKER	34.78	30.85	480	20
Sirmione_Museo_GC	10.60	45.50	86.5	15
Sodankyla	26.62	67.36	184	16
Strzyzow	21.86	49.87	450	16
Tabernas_PSA-DLR	-2.35	37.09	500	35
Technion_Haifa_IL	35.02	32.77	230	29
Teide	-16.63	28.27	3555	32
Thessaloniki	22.96	40.63	60	7
Timisoara	21.22	45.74	122	33
Toravere	26.46	58.26	85	6
Toulon	6.01	43.13	50	14
Toulouse_MF	1.37	43.57	160	7
Valladolid	-4.70	41.66	705	30
Vienna_BOKU	16.33	48.23	266	18
Vienna_UNIVIE	16.35	48.22	225	11
Warsaw_UW	20.98	52.21	117	19
Watnall_MO	-1.25	53.00	120	15
Weizmann_Institute	34.81	31.90	73	24
Weybourne	1.12	52.95	15	3
Zaragoza	-0.88	41.63	250	83

