

Regression Coefficients a and b for Page Model for Solar Radiation (Equation 5.53) for Worldwide Locations^a

Country	Station	Lat.	Alt. (rad)	Climate [34]	a	b	Ref.
Egypt	Bahtim	30.13°N	200	BWh	0.220	0.550	[38]
	Cairo	30.08°N	112	BWh	0.140	0.610	[38]
	Giza	30.05°N	19	BWh	0.230	0.540	[38]
	Kharogaosts	25.45°N	78	BWh	0.520	0.230	[38]
	Mersa M.	31.33°N	20	BWh	0.170	0.590	[38]
	Tahrir	30.65°N	16	BWh	0.290	0.460	[38]
Ghana	Accra	5.33°N	~20	BS	0.290	0.470	[18]
	Bole	9.02°N	~350	Aw	0.280	0.440	[18]
	Ho	6.35°N	~300	Aw	0.210	0.460	[18]
	Kumasi	6.41°N	~400	Aw	0.250	0.440	[18]
	Saltpond	5.12°N	~50	BS	0.260	0.450	[18]
	Takoradi	4.59°N	~20	BS	0.250	0.470	[18]
	Tamale	9.25°N	~250	Aw	0.270	0.470	[18]
	Wenchi	7.42°N	~300	Aw	0.280	0.360	[18]
Greece	Yendi	9.26°N	~300	Aw	0.320	0.410	[18]
	Agrino	38.63°N	60	Csa	0.240	0.520	[39]
	Athens	37.97°N	~300	Csa	0.230	0.460	[39]
	Chania	35.50°N	50	Csa	0.220	0.580	[39]
	Kavala	40.93°N	150	Csa	0.250	0.460	[39]
	Larissa	39.63°N	65	Csa	0.230	0.560	[39]
	Mytiline	39.15°N	65	Csa	0.240	0.510	[39]
	Rhodes	36.37°N	5	Csa	0.260	0.520	[39]
Hong Kong	Hong Kong	22.37°N	~5	Caf	0.214	0.514	[14]
India	Ahmedabad	22.37°N	55	Aw	0.302	0.464	[40]
	Bombay (Mumbai)	19.12°N	14	Aw	0.292	0.464	[40]
	Calcutta	22.65°N	6	Aw	0.327	0.399	[40]
	Goa	15.48°N	55	Am	0.279	0.514	[40]
	Jodhpur	26.30°N	224	BSh	0.309	0.439	[40]
	Madras	13.00°N	16	Aw	0.340	0.399	[40]
	Nagpur	21.10°N	310	Aw	0.293	0.460	[40]
	New Delhi	28.63°N	216	Caw	0.341	0.446	[40]
	Poona	18.53°N	559	Bs	0.330	0.453	[40]
	Trivandrum	8.48°N	64	Am	0.393	0.357	[40]
	Vizagapatnam	17.72°N	3	Aw	0.286	0.467	[40]

(continued)

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Country	Station	Lat.	Alt. (rad)	Climate [34]	a	b	Ref.
Italy	Alghero	40.63°N	40	Csa	0.118	0.765	[41]
	Amendola	41.53°N	56	Csa	0.212	0.635	[41]
	Ancona	43.63°N	105	Csa	0.197	0.679	[41]
	Balzano	46.47°N	241	Csa	0.192	0.719	[41]
	Bologna	44.53°N	49	Csa	0.216	0.639	[41]
	Brindisi	40.65°N	10	Csa	0.183	0.706	[41]
	Cagliari	39.25°N	18	Csa	0.175	0.679	[41]
	Cape Mele	43.95°N	221	Csa	0.129	0.779	[41]
	Cape Palinus	40.02°N	185	Csa	0.213	0.604	[41]
	Crotone	39.07°N	158	Csa	0.266	0.546	[41]
	Gela	37.09°N	33	Csa	0.105	0.851	[41]
	Genova	44.42°N	3	Csa	0.089	0.821	[41]
	M. Cimone	44.20°N	2137	H	0.104	0.755	[41]
	M. Terminillo	42.47°N	1875	H	0.246	0.482	[41]
Italy	Messina	38.20°N	59	Csa	0.199	0.689	[41]
	Milano	45.43°N	103	Csa	0.148	0.775	[41]
	Napoli	40.85°N	72	Csa	0.181	0.709	[41]
	Olbia	40.93°N	2	Csa	0.183	0.633	[41]
	Pantelleria	36.82°N	170	Csa	0.191	0.679	[41]
	Pescara	42.43°N	18	Csa	0.188	0.669	[41]
	Pianosa	42.58°N	27	Csa	0.143	0.771	[41]
	Pisa	43.67°N	1	Csa	0.205	0.614	[41]
	Roma	41.80°N	131	Csa	0.148	0.722	[41]
	Torino	45.18°N	282	Daf	0.161	0.780	[41]
	Trapani	37.92°N	14	Csa	0.204	0.662	[41]
	Trieste	45.65°N	20	Csa	0.157	0.701	[41]
	Udine	46.03°N	92	Csa	0.167	0.666	[41]
	Ustica	38.70°N	251	Csa	0.254	0.586	[41]
	Venezia	45.50°N	6	Csa	0.144	0.782	[41]
	Vigna Divali	42.08°N	270	Csa	0.154	0.689	[41]
Malaysia	Kota Bahru	6.17°N	5	Af	0.340	0.490	[42]
	Kuala Lumpur	3.12°N	19	Af	0.340	0.490	[42]
	Penang	5.33°N	35	Af	0.350	0.570	[42]
Nigeria	Enugu	6.47°N	137	Af	0.228	0.492	[43]
	Makurdi	7.70°N	76	Aw	0.288	0.472	[43]
	Nsukka	6.80°N	147	Af	0.217	0.490	[43]
	Port Harcourt	4.85°N	6	Af	0.246	0.488	[43]

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Sierre L.	Lungi Free.	8.61°N	25	Am	0.260	0.440	[44]
Sudan	Abu Naama	12.73°N	445	BShw	0.433	0.271	[45]
	Aroma	15.83°N	430	BWh	0.460	0.208	[45]
	Dongola	19.17°N	225	BWh	0.211	0.572	[45]
	El Fesher	13.63°N	773	BShw	0.361	0.366	[45]
	El Showak	14.22°N	380	BWh	0.325	0.423	[45]
	G. Ghawazat	11.47°N	480	Aw	0.350	0.353	[45]
	Hudeiba	17.57°N	350	BWh	0.208	0.544	[45]
	Jubo	4.87°N	460	Aw	0.402	0.234	[45]
	Kadugli	11.00°N	501	Aw	0.237	0.463	[45]
	Malakai	9.55°N	387	Aw	0.339	0.359	[45]
	Port Sudan	19.58°N	5	BWh	0.315	0.402	[45]
	Shambat	15.67°N	376	BWh	0.278	0.467	[45]
	Wadi Medani	14.38°N	405	BWh	0.357	0.374	[45]
	Zalingei	12.90°N	900	BShw	0.325	0.456	[45]
Yemen	El Boun	15.73°N	2100	H	0.331	0.385	[46]
	El Khabar	14.38°N	2100	H	0.342	0.372	[46]
	El Macca	13.25°N	10	BWh	0.358	0.346	[46]
	Hodeidah	14.75°N	33	BWh	0.374	0.321	[46]
	Sana	15.52°N	2210	BSh	0.347	0.364	[46]
	Taiz	13.58°N	1400	H	0.364	0.335	[46]
Zambia	Kasama	10.22°S	1384	Aw	0.268	0.454	[47]
	Livingstone	17.82°S	986	Aw	0.187	0.613	[47]
	Luangwa	13.27°S	570	Aw	0.253	0.588	[47]
	Lusaka	15.32°S	1154	Aw	0.198	0.551	[47]
	Mansa	11.10°S	1259	Aw	0.265	0.476	[47]
	Mbala	8.37°S	1673	Aw	0.245	0.505	[47]
	Mongu	15.25°S	1053	Aw	0.188	0.556	[47]
	Ndolo	13.00°S	1270	Aw	0.288	0.386	[47]

^a Data compiled from Ref. [35,37].