

## Incident global irradiation for the chosen location

Location: 37°11'18" North, 5°46'29" West, Elevation: 58 m a.s.l.,

Nearest city: Utrera, Spain (0 km away)

Optimal inclination angle is: 33 degrees

Annual irradiation deficit due to shadowing (horizontal): 0.0 %

Month	Hh	Hopt	H(60)	lopt	D/G	TD	T24h	NDD
Jan	2480	4060	4550	62	0.41	12.5	11.4	174
Feb	3120	4370	4570	53	0.43	14.0	12.5	101
Mar	4580	5620	5380	40	0.38	17.0	15.3	33
Apr	5250	5510	4740	23	0.42	18.8	17.0	17
May	6740	6420	5030	12	0.35	22.0	20.2	0
Jun	7290	6600	4910	3	0.33	26.5	24.4	0
Jul	7050	6540	4980	7	0.34	28.7	26.7	0
Aug	6350	6430	5310	18	0.35	28.8	26.8	0
Sep	5070	5880	5410	35	0.36	25.7	23.7	0
Oct	3860	5220	5320	49	0.37	21.9	20.2	13
Nov	2470	3750	4070	58	0.45	16.5	15.0	134
Dec	2090	3450	3900	63	0.46	13.5	12.3	153
Year	4700	5330	4850	33	0.37	20.5	18.8	625

Hh: Irradiation on horizontal plane (Wh/m<sup>2</sup>)

Hopt: Irradiation on optimally inclined plane (Wh/m<sup>2</sup>)

H(60): Irradiation on plane at angle: 60deg. (Wh/m<sup>2</sup>)

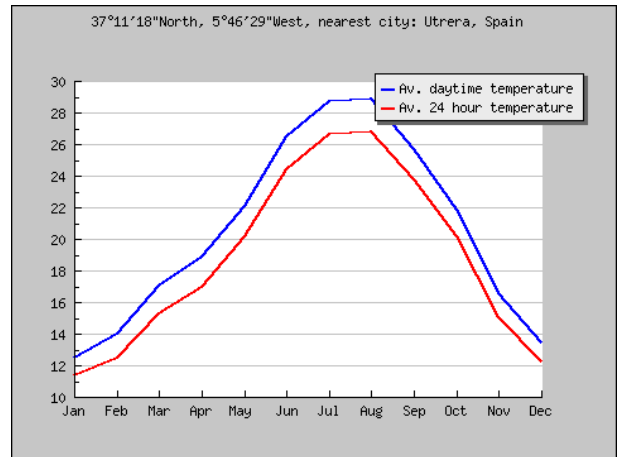
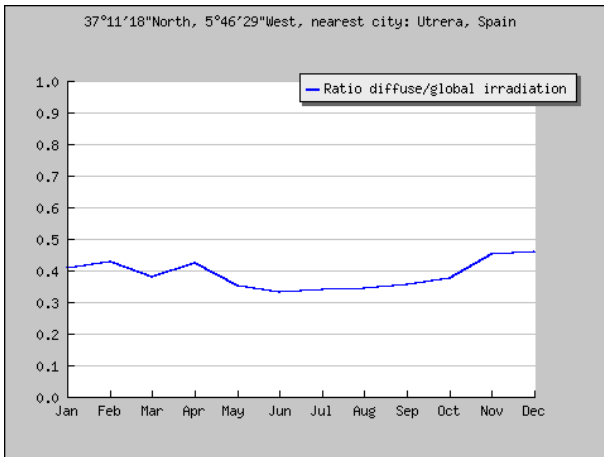
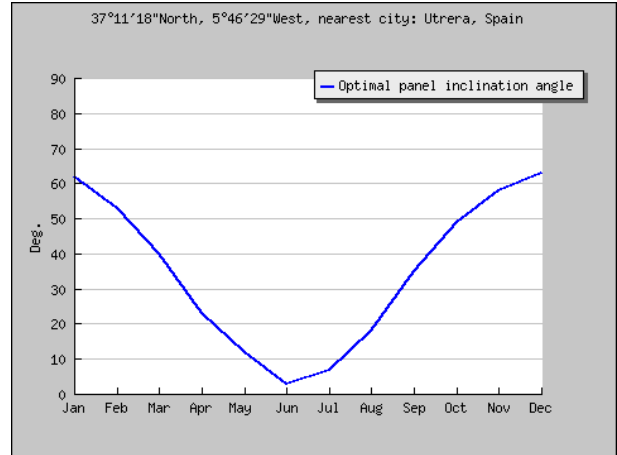
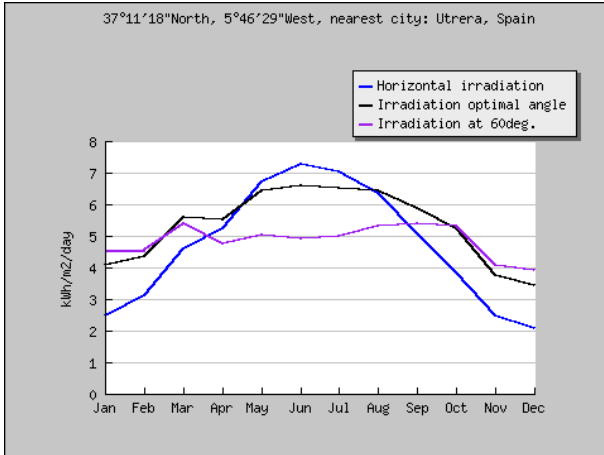
lopt: Optimal inclination (deg.)

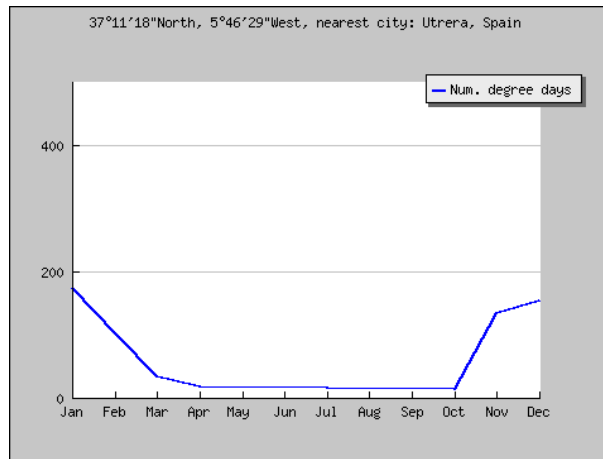
D/G: Ratio of diffuse to global irradiation (-)

TD: Average daytime temperature (°C)

T24h: 24 hour average of temperature (°C)

NDD: Number of heating degree-days (-)





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