

Australian Climate Data Bank

Table 1: Weightings for RMY with Diffuse (RMY-A)

Weather Element	Weighting
Max Temp	1/20
Min Temp	1/20
Mean Temp	2/20
Max Wet Bulb Temp	1/20
Min Wet Bulb Temp	1/20
Mean Wet Bulb Temp	2/20
Max Wind Velocity	1/20
Mean Wind Velocity	1/20
Global Radiation	5/20
Direct Radiation	5/20

Table 2: Weightings for RMY without Diffuse (RMY-B)

Index	Weighting
Max Temp	1/15
Min Temp	1/15
Mean Temp	2/15
Max Wet Bulb Temp	1/15
Min Wet Bulb Temp	1/15
Mean Wet Bulb Temp	2/15
Max Wind Velocity	1/15
Mean Wind Velocity	1/15
Global Radiation	5/15
Direct Radiation	0/15

Table 3: Weightings for RMY-C
(recommended for projects which are solar insensitive like deep plan buildings)

Index	Weighting
Max Temp	1/12
Min Temp	1/12
Mean Temp	2/12
Max Wet Bulb Temp	1/12
Min Wet Bulb Temp	1/12
Mean Wet Bulb Temp	2/12
Max Wind Velocity	1/12
Mean Wind Velocity	1/12
Global Radiation	2/12
Direct Radiation	0/12

RMY-A and RMY-B are weighted similarly to the weightings used in the development of the TMY2 data sets (Marion and Urban, 1995)ⁱ (with irradiance having 50% weighting for sites with measured global and diffuse data and 33% for sites with global but without diffuse data which allows accurate estimation of direct irradiation from the Global values). RMY-C is weighted in accordance with expressed industry demand. See [Lee](#), IBPSA Conference 2011.

ⁱ Marion, W. and Urban, K. 1995. *User Manual for TMY2*. National Renewable Energy Laboratory, Colorado, USA.