

MEASUREMENT OF INSOLATION AT COLOMBO AND  
INVESTIGATION OF ITS RELATION WITH HUMIDITYW M K P Wijayaratne, K T L De Silva and T R Ariyaratne  
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The day to day variation of the accumulated solar energy in Colombo for the year 1985 is presented. Intensity of solar radiation had been recorded throughout the year using an Eppley Pyranometer. Results reveal that on a very bright day with a clear blue sky the solar energy intensity varied smoothly during the day time with a maximum at about 12.30 p.m. Results further show that the average accumulated solar energy in Colombo in a day is of the order of  $10^7 \text{ Jm}^{-2}$ . An attempt has also been made to investigate the effect of humidity over the accumulated solar energy.