

## The Temperature of Jupiter

On the basis that Jupiter behaves as a black body re-emitting into space all the energy it receives from the Sun, it is possible to predict its surface temperature.

Our observations in the infrared, however, show that the surface temperature of Jupiter is 143 K, significantly higher than our theory predicts. This discrepancy, if verified, implies that Jupiter must have an additional source of heat, the origins of which need then to be considered.

S W H Cowley