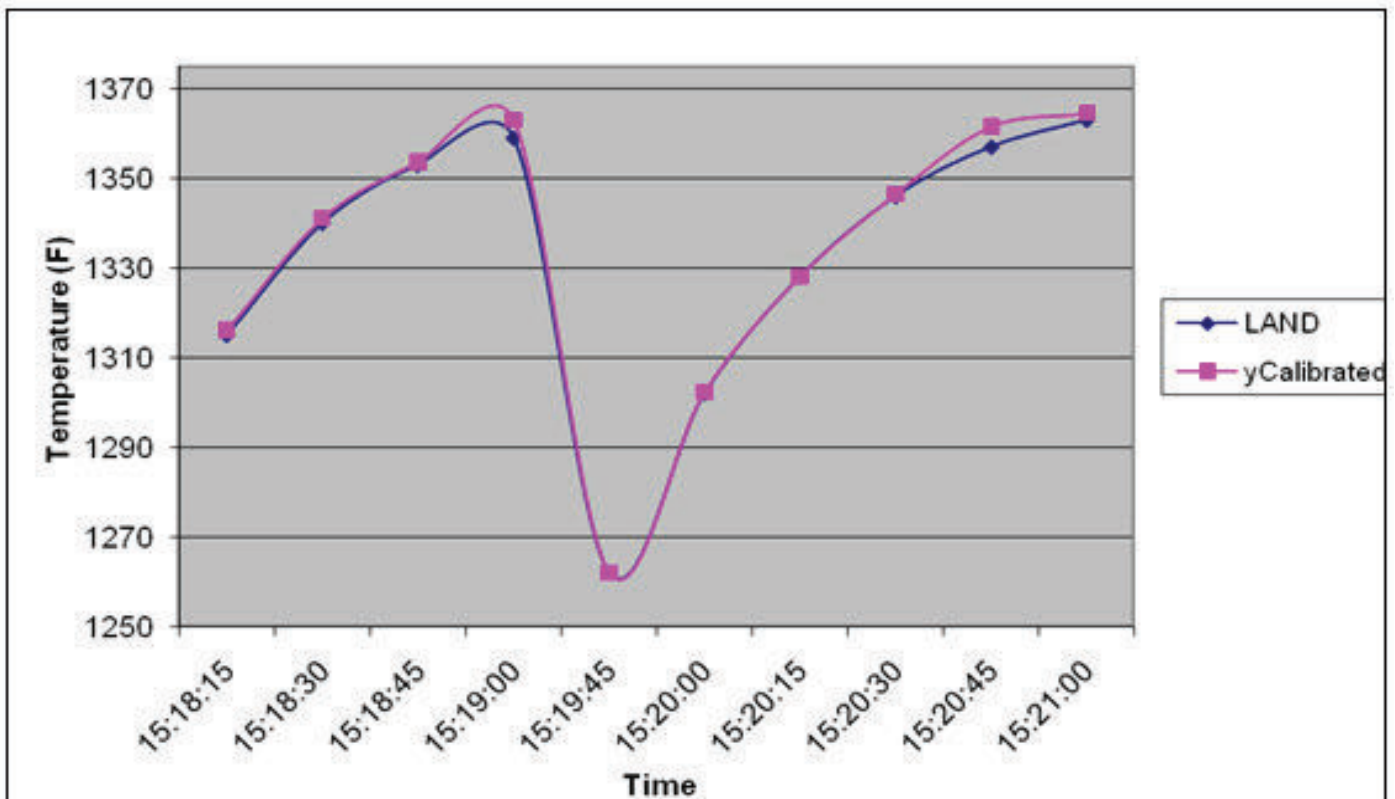


How It Works

CANTY VS. PYROMETER TEMPERATURE INDICATION

Questions often arise, when discussing temperature measurement by vision, on the topics of accuracy and relevance to other methods, most notably pyrometry. In an effort to supply information concerning this important point Canty has conducted testing of a heating element using a pyrometer and the Canty vision system. The element was cycled through a temperature range of about 100 F in the visible heat range. The two instruments were aligned to view the same portion of the element and the readings over a short period of time are documented below.



The camera readings consisted of the y value of the color space, more commonly known as the intensity. As can be seen from the graph the two curves match quite closely. This result is expected for most cases as both technologies measure the intensity of various wave length segments over the electro magnetic spectrum.

Datasheet: [Temperature Measurement By Vision](#)