

# ★ FIRE FLIGHT ★

## ★ AERIAL FIRE MAPPING SYSTEMS ★

### FireFlight Demonstration Project: Post-burn mapping

On the 25<sup>th</sup> May 2016 we undertook post-burn mapping of the Metz Fire. At the time of flying, the fire was effectively blacked out: there was no visible smoke or flames. Even so, our system successfully identified multiple burning hotspots.



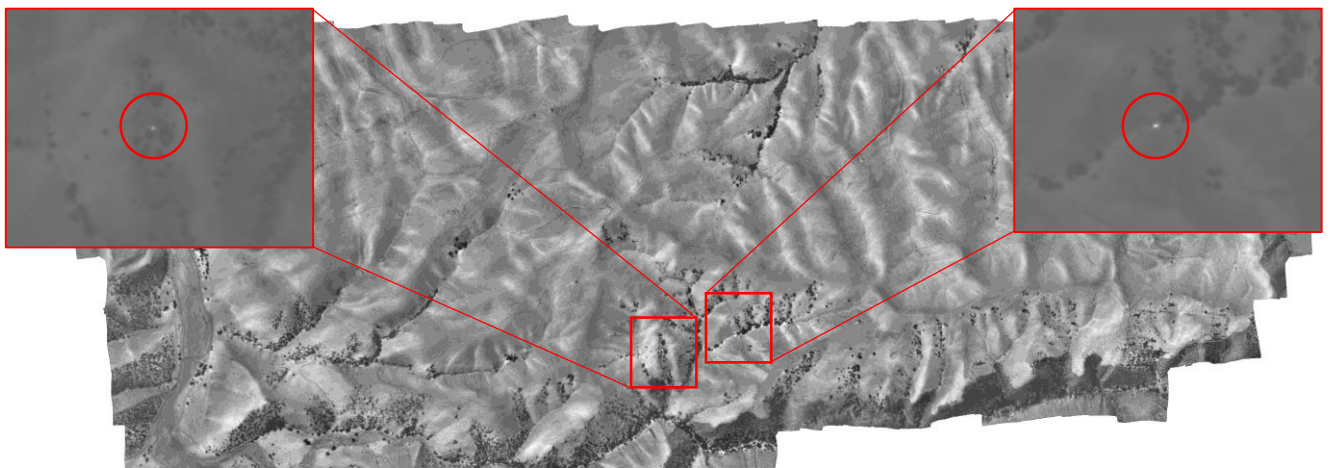
### METZ FIRE, MONTEREY CO., CA

**26<sup>th</sup> May 2016** – The Metz Fire in Monterey Co., CA, was first reported mid-afternoon on the 22<sup>nd</sup> May. It grew quickly, and by the 24<sup>th</sup> May it had burnt almost 4000 acres (1600 hectares). It was declared fully contained by the evening of the 25<sup>th</sup> May.

*(Image via National Parks Service)*

### Post-burn hotspot mapping

The FireFlight system was used to detect remaining hotspots in the burnt area. Parallel flight runs were flown at 2500ft above ground level. Over 300 individual images were quickly merged into a geometrically accurate image map.



**The hotspot mapping results clearly showed multiple areas of intense burning.** It was impossible to detect these hotspots with the naked eye: there was no sign of smoke or flame at all. These results clearly show that the FireFlight fire mapping system can easily detect hotspots where apparently no fires actually exist. See the thermal hotspot maps here: <http://www.fire.aero/Examples/MetzFire-May2016>

