FireSense Campaign October 2023

MASTER Imagery

* MASTER\_KaibabPlateau\_Oct19\_TimeSeriesV1.png

This imagery was acquired October 19, 2023 by the MODIS/ASTER Airborne Simulator (MASTER) at the start of the Kaibab Plateau controlled burn. They show the progression of fire in 20-minute intervals spanning 1:40pm to 3:00pm local time. The left side is a natural color composite. The right is a thermal and short-wave infrared rendition, penetrating the smoke. Fire pixels are yellow and orange, vegetation is red.

* MASTER\_KaibabPlateau\_Oct19\_TimeSeriesV2.png

Same as above, difference being the border is white.

* MASTER\_KaibabPlateau\_Oct20.png

This was acquired October 20, 2023 by the MODIS/ASTER Airborne Simulator (MASTER) over the Kaibab Plateau controlled burn. The left side is a natural color composite. The left side is a thermal and short-wave infrared rendition, penetrating the smoke and portraying the active fire lines.

* MASTER\_KaibabPlateau\_Oct20v2.png

Same as above, difference being the border is white.

* MASTER\_KaibabPlateau\_Oct20wBoundary.png

This was acquired October 20, 2023 by the MODIS/ASTER Airborne Simulator (MASTER) over the Kaibab Plateau controlled burn. The green outlines are the USFS target boundaries for the Lakes and Blowdown units. The left side is a natural color composite. The left side is a thermal and short-wave infrared rendition, penetrating the smoke and portraying the active fire lines.

* MASTER\_KaibabPlateau\_Oct20wBoundaryV2.png

Same as above, difference being the border is white.

* MASTER\_KaibabPlateau\_Oct21\_Night.png

This was acquired at night October 21, 2023 by the MODIS/ASTER Airborne Simulator (MASTER) over the ongoing Kaibab Plateau fire. This is a pseudo-colored image using the 3.9-4.0µm fire channel. The fire perimeter and controlled burn lines are clearly visible. Areas of intense fire are depicted as bright yellow, merging fire lines in the west are of areas peak intensity.

* MASTER\_KaibabPlateau\_Oct21\_NightwBoundary.png

Same as above, with the USFS burn unit boundaries.

* MASTER\_KaibabPlateau\_Oct21\_Night\_GoogleEarth.png

Same night image, overlayed onto Google earth.