

## **Provide a brief overview of wildfire patterns observed during exploration**

The FLAME 2 dataset provides both RGB and IR video footage of wildfire events, capturing various stages and intensities of fire spread. Additionally, it includes video footage with no wildfire as a control. While RGB videos provide a general visual representation, IR videos are particularly useful as they highlight heat intensity, revealing flames even when they are obscured by smoke, which may not be visible in the RGB footage. Frame segmentation at regular intervals effectively captures the steady progression of the fires, minimizing motion blur and preserving resolution. There didn't appear to be significant variability in the wildfire patterns observed, with the flames exhibiting a consistent and slow-burning nature throughout. Overall, the dataset offers valuable multi-spectral data for fire analysis.