Alaska NIROPS Closeout

- **2009 Fire Season**
  - 522 fires
  - 2.95 million acres
- **8\textsuperscript{th} largest fire season**
Map of Alaskan Fires
IR Requests

- 284 requests
  - Filled
    - 162
  - UTF
    - 122
ACFT Requests

- IR Aircraft was ordered on August 1st
- 2 Aircraft
  - N66GW – Filled 4 requests
  - N29M – Failed to perform
Firehawk Requests

- Alaska received 154 perimeters
  - As many as 12 perimeters were created daily
  - Support came from 4 locations and time zones
  - The service provided greatly benefitted the Alaska fire season
  - There were numerous days that aircraft could not fly – firehawk and MODIS provided all the intell to the complex/fires. Many sites were smoked in for a week straight.
MODIS and Other Data Sources

- Hot Spot detection using Mod 14 and evaluated JAXA Nakau algorithm
  - Readily available for Alaska fires from University of Alaska Fairbanks – Geographic Information Network of Alaska
  - Multiple passes per day
- AVHRR and DMSP
- Used quite frequently when flights were grounded
UAS – Unmanned Aircraft System

- Deployed on the Crazy Mtn Complex
  - Three days
  - Hot spot detector
  - Poker Flats was engaged with the mission

- Benefits
  - Flew river corridor
  - COT XML file

- Issues
  - Not co-located with ICP
  - Work/Rest ratio for pilot
  - IR camera too sensitive – no time to test another camera

- Mishap – Manufacturer defect
Questions?