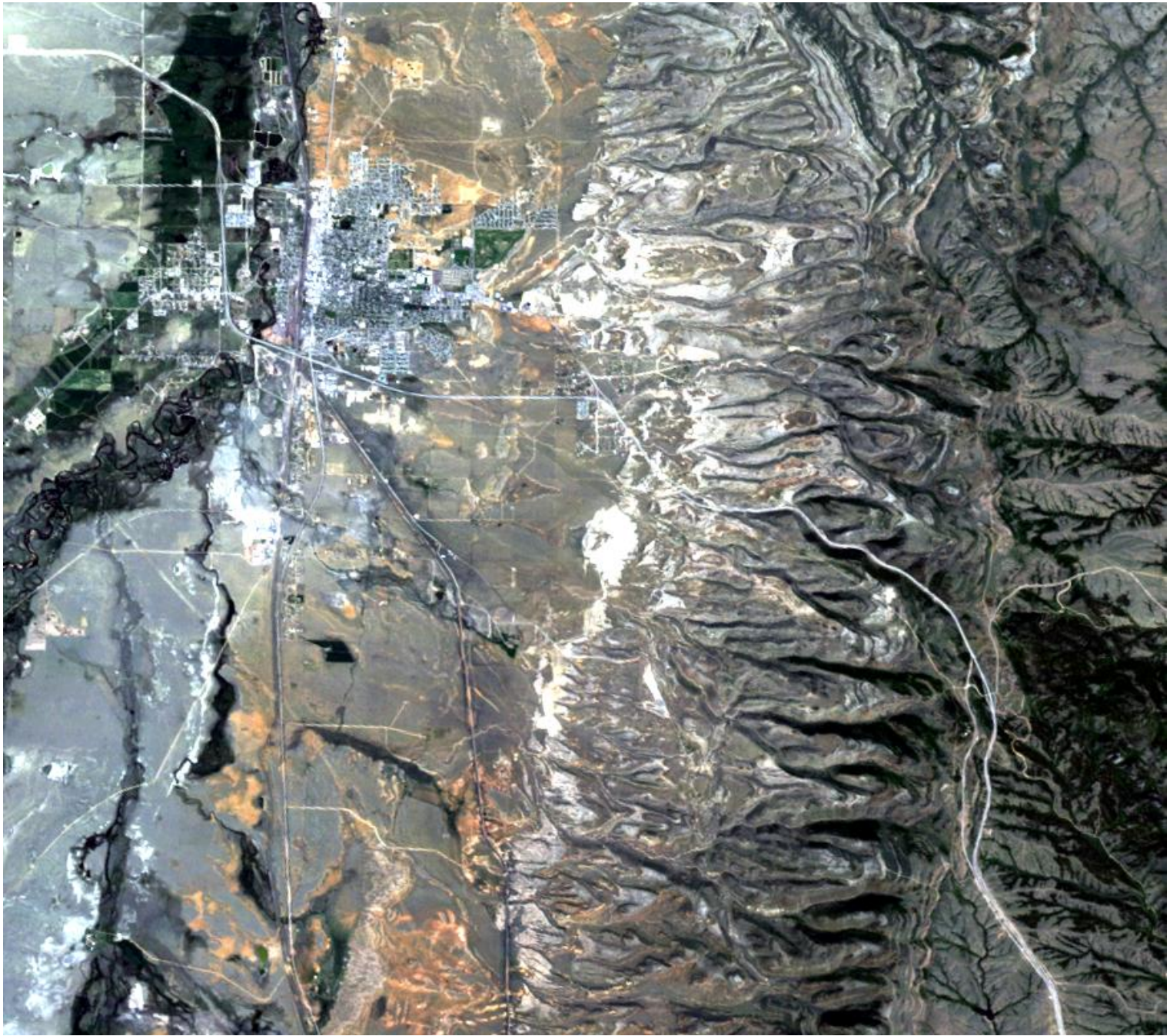
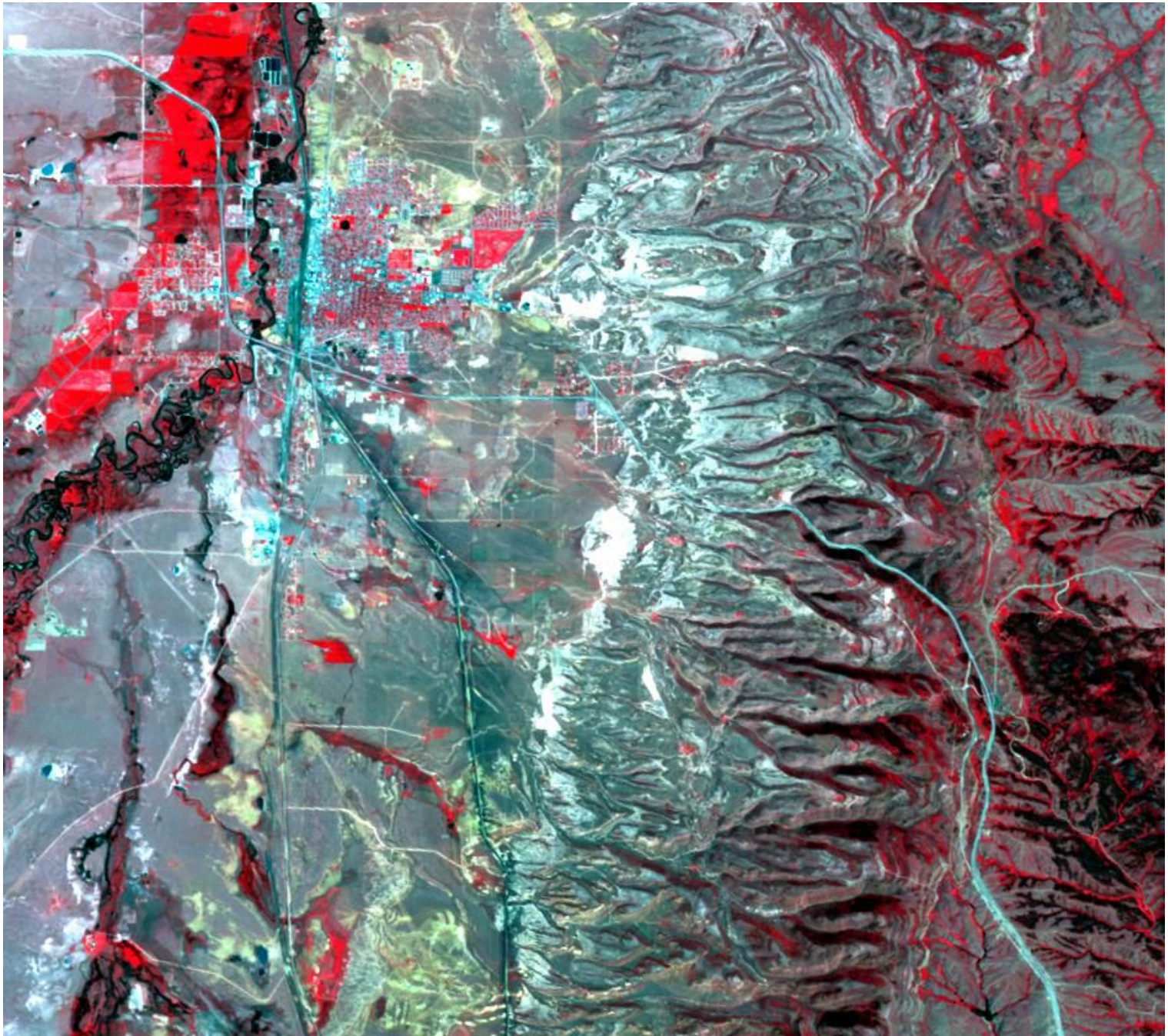
Mon. Jan. 22, 2018 Images

- Laramie Landsat Images
  - Different band displays
  - Spectra
- Radarsat images of Greenland
- Kilauea lava flows. “Visible” and Aster (thermal IR)

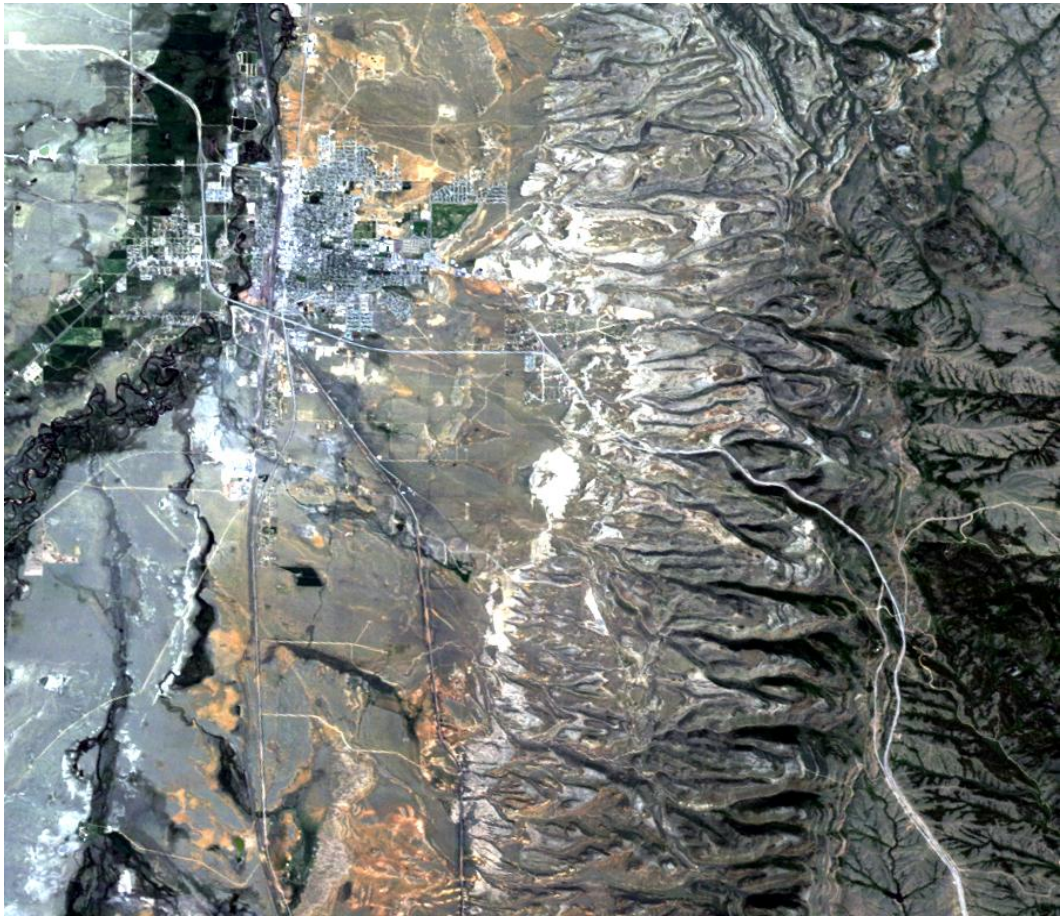
Laramie Landsat TM Image: “True color”

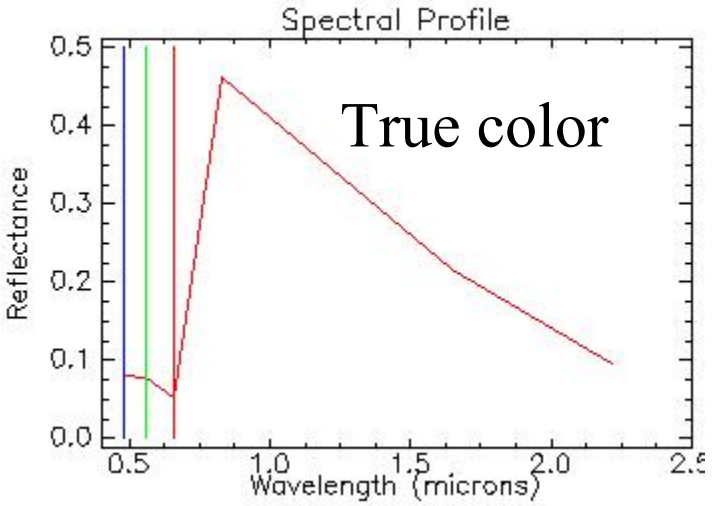


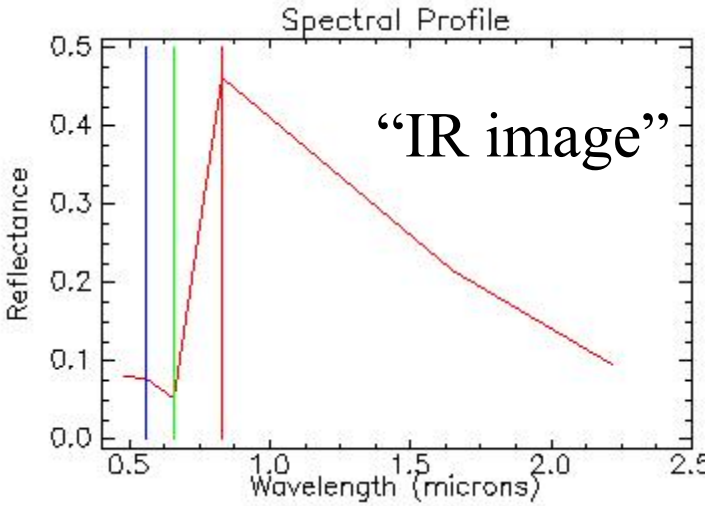
Laramie Landsat TM “IR” Image: RGB = (NIR, R, G)



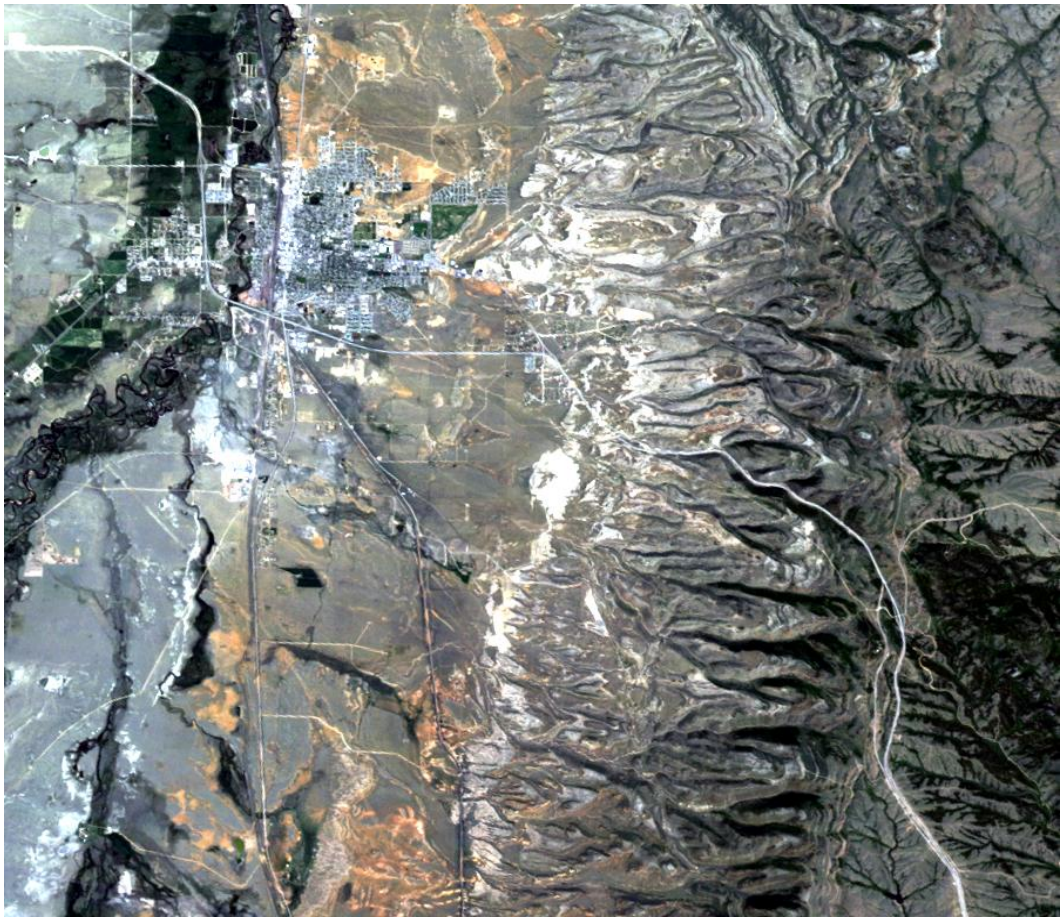
Laramie Landsat Spectra

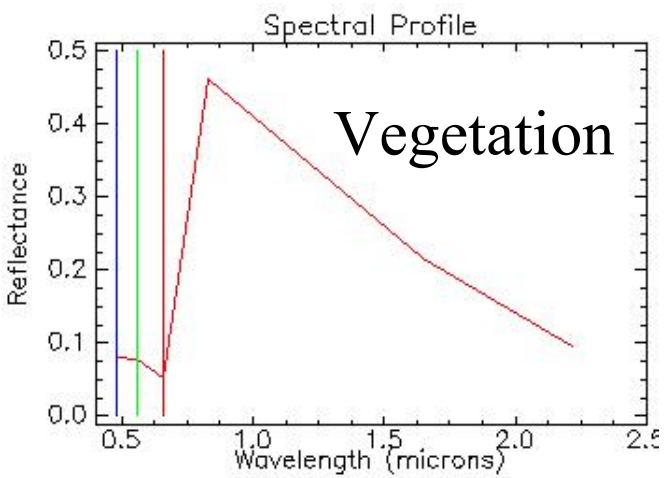


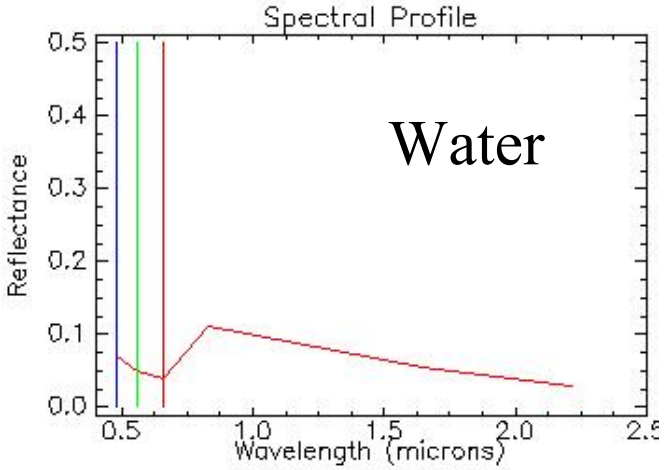


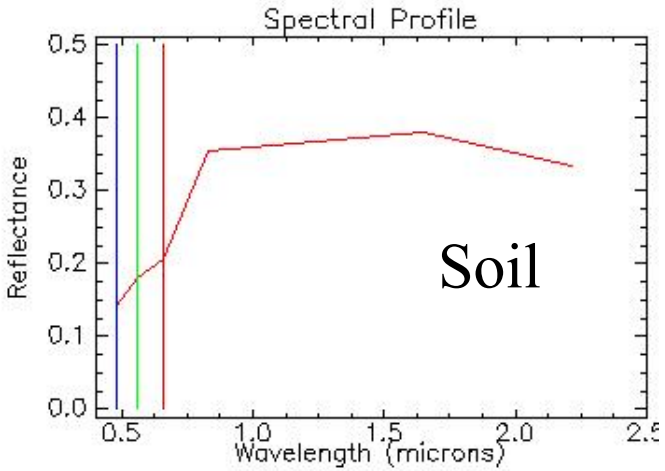


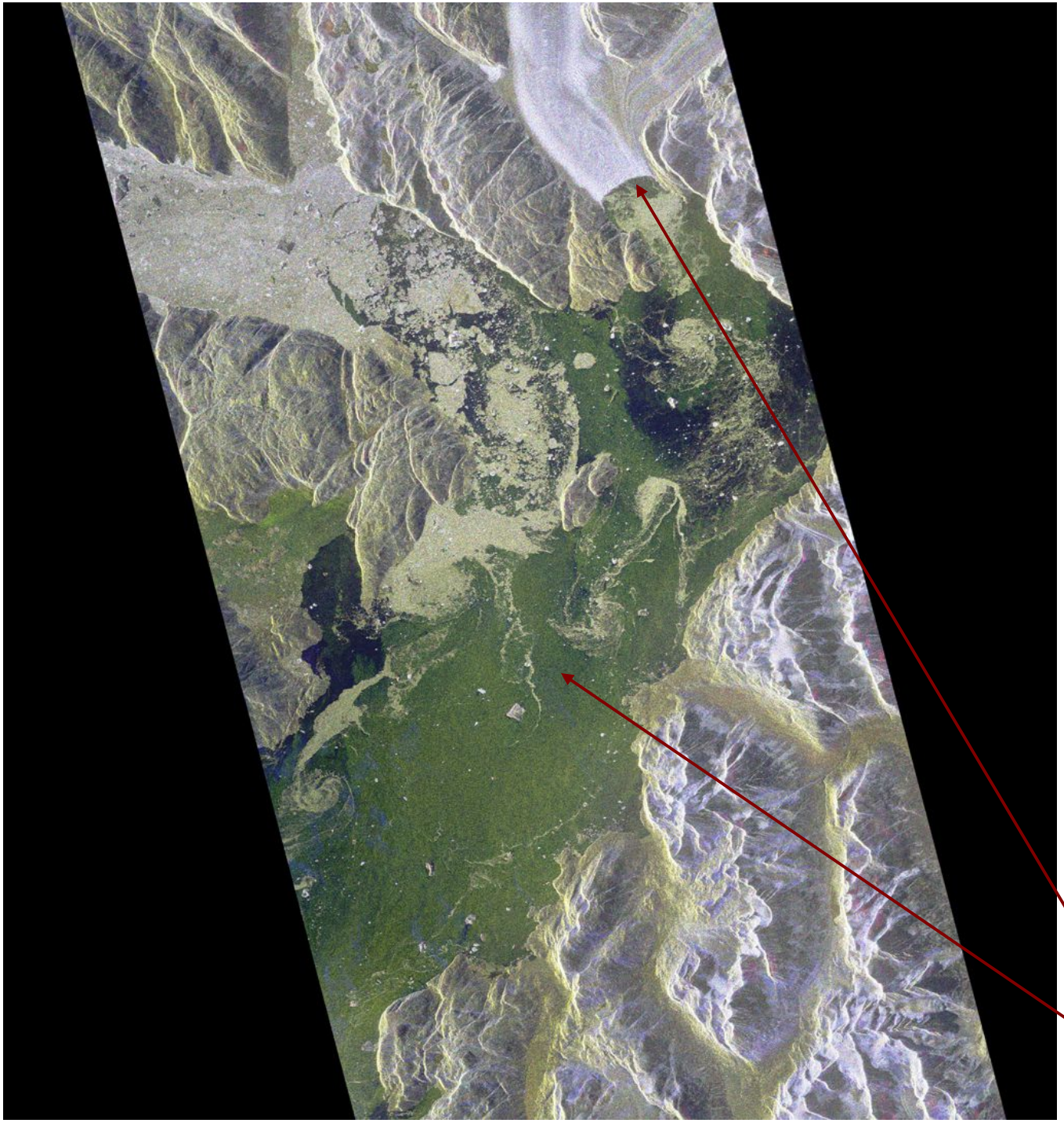
Laramie Landsat Additional Spectra











Radarsat-2: North end of Sermilik fjord, Greenland

C Band (5.4 GHz ↔ 5.5 cm)

Different display colors are same radar wavelength, but different polarizations

RGB = (HH, VV, HV)

25km x 50km

25m resolution

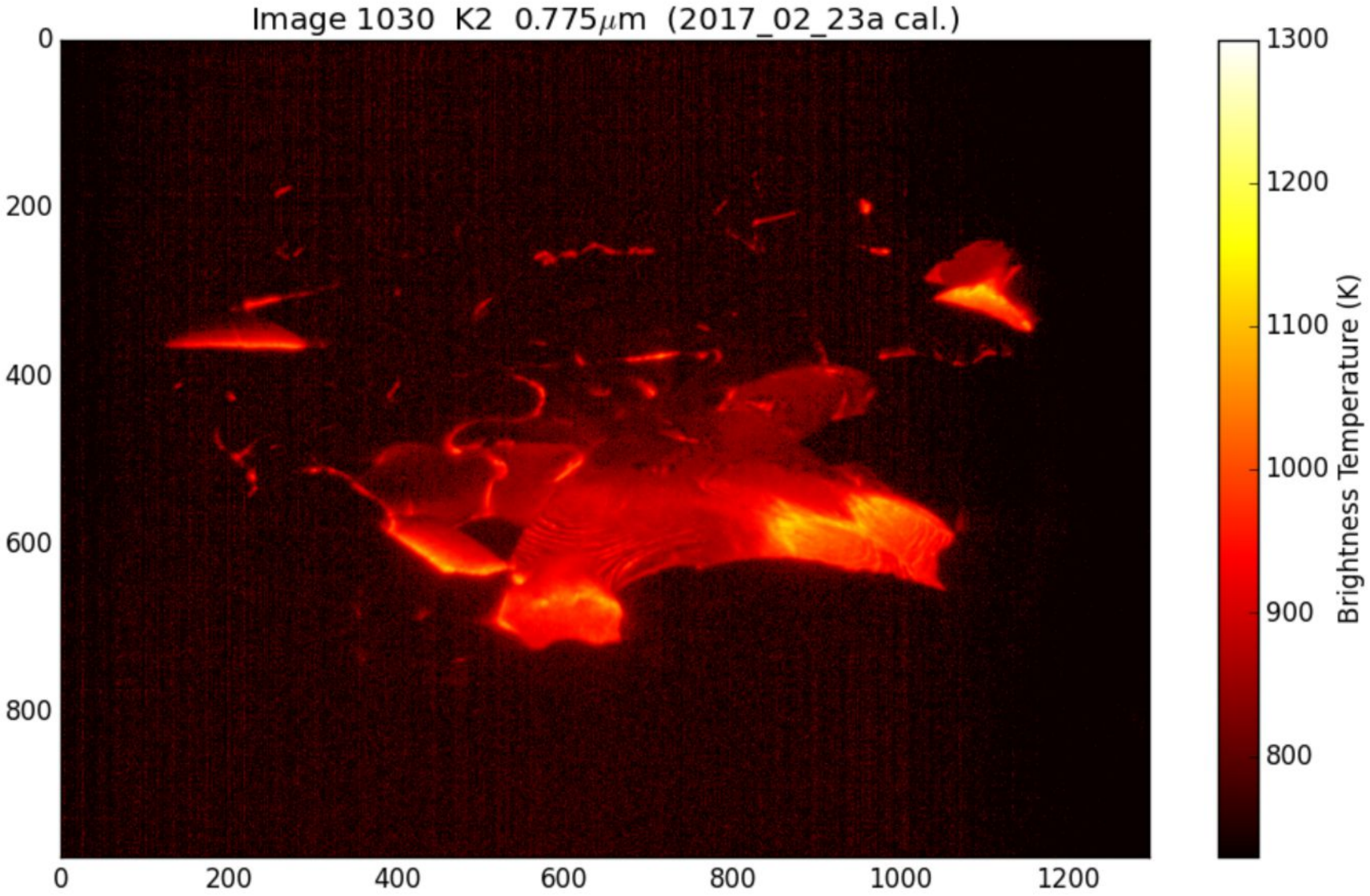
Fenrisgletscher glacier

Fjord, with different types of sea ice and leads (open water)

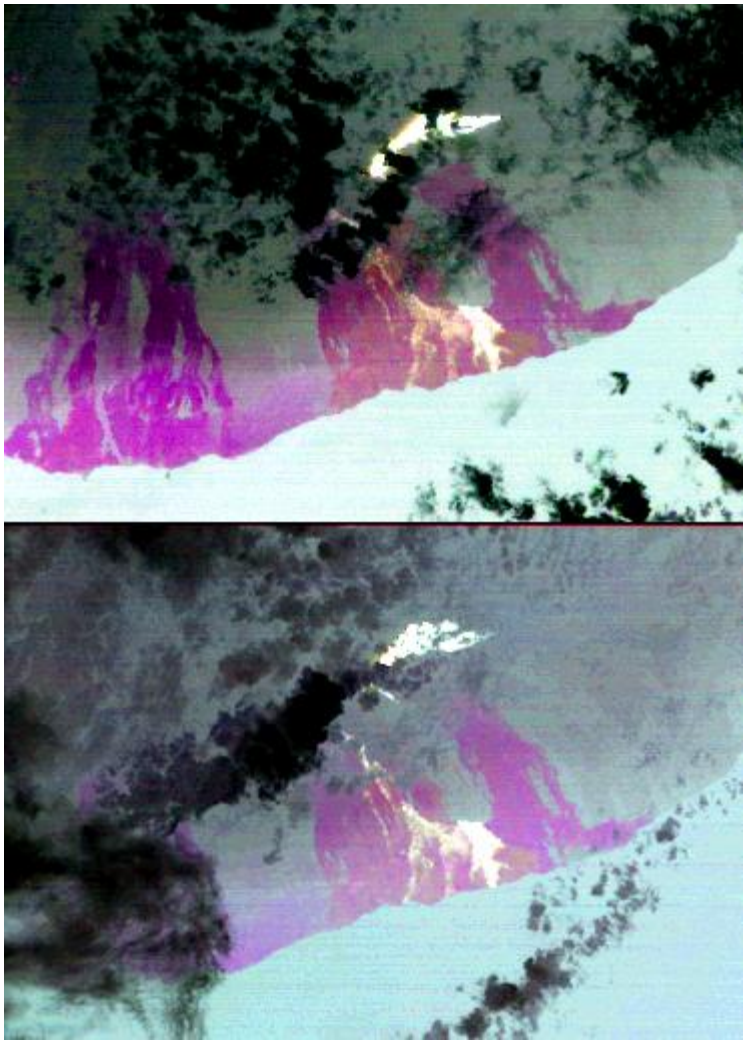
Thermal Infrared: Kilauea Lava Field

Thermal Infrared: Kilauea glowing lava

Thermal Infrared: Kilauea glowing lava



Thermal Infrared: Kilauea satellite image



- “Aster” instrument on Terra satellite
- Aug. 21 and Aug. 30, 2007
- Bright areas -- active flows
- “Pink” areas -- old flows