CHEESEHEAD HySpex Imaging Spectroscopy L2 Surface Reflectance Data

Dataset Author(s):

Ting Zheng (*Lead author*, tzheng39@wisc.edu),
Nanfeng Liu (nliu58@wisc.edu),
Philip Townsend (*Corresponding author*, ptownsend@wisc.edu)

Time of Interest: 2019/06/26~2019/08/30

Area of Interest:

Latitude: 45.80~46.10 N
Longitude: -90.45 ~ -89.90

Data Frequency: Four times through 'Time of interest'.

Data Spatial Type: Grid raster

General Dataset Description:

This dataset contains airborne hyperspectral data acquired using HySpex sensors (VNIR-1800 and SWIR-384; HySpex, Skedsmokorset, Norway) for the CHEESEHEAD Field Project during four periods: 20190626, 20190711/20190713, 20190804/20190806 and 20190830. Images were geo-rectified and atmospherically corrected to produce hyperspectral surface reflectance at ~ 1 m spatial resolution across 400 to 2500 nm with a spectral resolution of 3 nm in the visible and near infrared region and 5 nm in the shortwave infrared region. For more information, please see the HyspexReadme Excel file.

File Names: CHEESEHEAD_yyyymmdd (acquisition date)

Data restrictions: Following general CHEESEHEAD policy.

GCMD Keywords:
EARTH SCIENCE, LAND SURFACE, SURFACE RADIATIVE PROPERTIES, REFLECTANCE