

Metadata for Aerial Imaging Systems

Acquired by: Dr. C Bostater

Purpose: Deepwater Horizon littoral zone monitoring and surveillance disaster and recovery airborne missions

Dates: March 12, 13, 20, and 21, 2011

Instrumentation:

Mapping Camera:

Manufacturer: Fairchild Camera and Instrument Company

Model: K17 Aerial Camera

Dimensions: 12-in cone

Specifications: 3 bands, 2-3cm pixel width

Film: AGFA Aviphot X400 PE1 Color Negative

AGFA Aviphot Pan 400S PE1 Panchromatic

Scanning: 2400 dpi TIFF 3-band imagery or compressed jpegs

HD Videos:

Manufacturer: JVC

Model: Everio GZ-HM550, Full Resolution HD

Digital Camera:

Manufacturer: Nikon

Model: D2Xs

Hyperspectral Sensor:

KB-HSI-A

Specifications: 64-1024 spectral bands and 1376 spatial pixels

ImSpector V8E (380-800 nm with 2 nm spectral resolution) transmission spectrograph core with "39° field of view lens and temperature stabilized camera

GPS Source:

Front Nikon:

Manufacturer: Garmin

Model: 196, 1Hz

Front HD Video:

Manufacturer: Hicom

Model: 406BT, 1 Hz

Back HD Video:

Manufacturer: Hicom

Model: 406BT, 1Hz

Hyperspectral:

Manufacturer: Garmin

Model: 496, 5 Hz

IMU:

Motion node USB, 100 Hz