

GHRC\_CAMEX\_4

CAMEX-4 ER-2 MODIS Airborne Simulator (MAS)

1. **FILENAME:** MASL1B\_05921\_01\_20050618\_1421\_1433\_V01.hdf (ftp link: [here](#)) (Filesize=389.2MB)
  - It is a HDF4 file. It has 37 datasets.
  - The AircraftLatitude and AircraftLongitude are 1-D arrays (length 4436) containing the position of the aircraft (along with AircraftAltitude, AircraftHeading, AircraftPitch and AircraftRollCount). Meanwhile, the PixelLatitude and PixelLongitude are 2-D arrays (length 4436 x width 716) with positions of pixels in the “swath” of data obtained during the flight – in CalibratedData array (et al.) (4436 x 716 x 50 channels). Both pair of latitude and longitude are along with different data fields
  - A value of -999.0 is commonly used for ‘\_FillValue.’ The file is missing the ‘missing\_value’ attribute.

Datasets

DatasetName	#Dimension (DimList)
TemperatureCorrectionSlope	1-D (50)
AircraftLatitude	1-D (4436)
AircraftLongitude	1-D (4436)
DataSetHeader	2-D (131*80)
AnalogGain	2-D (4436*50)
PixelLatitude	2-D (4436*716)
PixelLongitude	2-D (4436*716)
CalibratedData	3-D (4436*50*716)

Other CAMEX\_4\_MAS files have similar structure