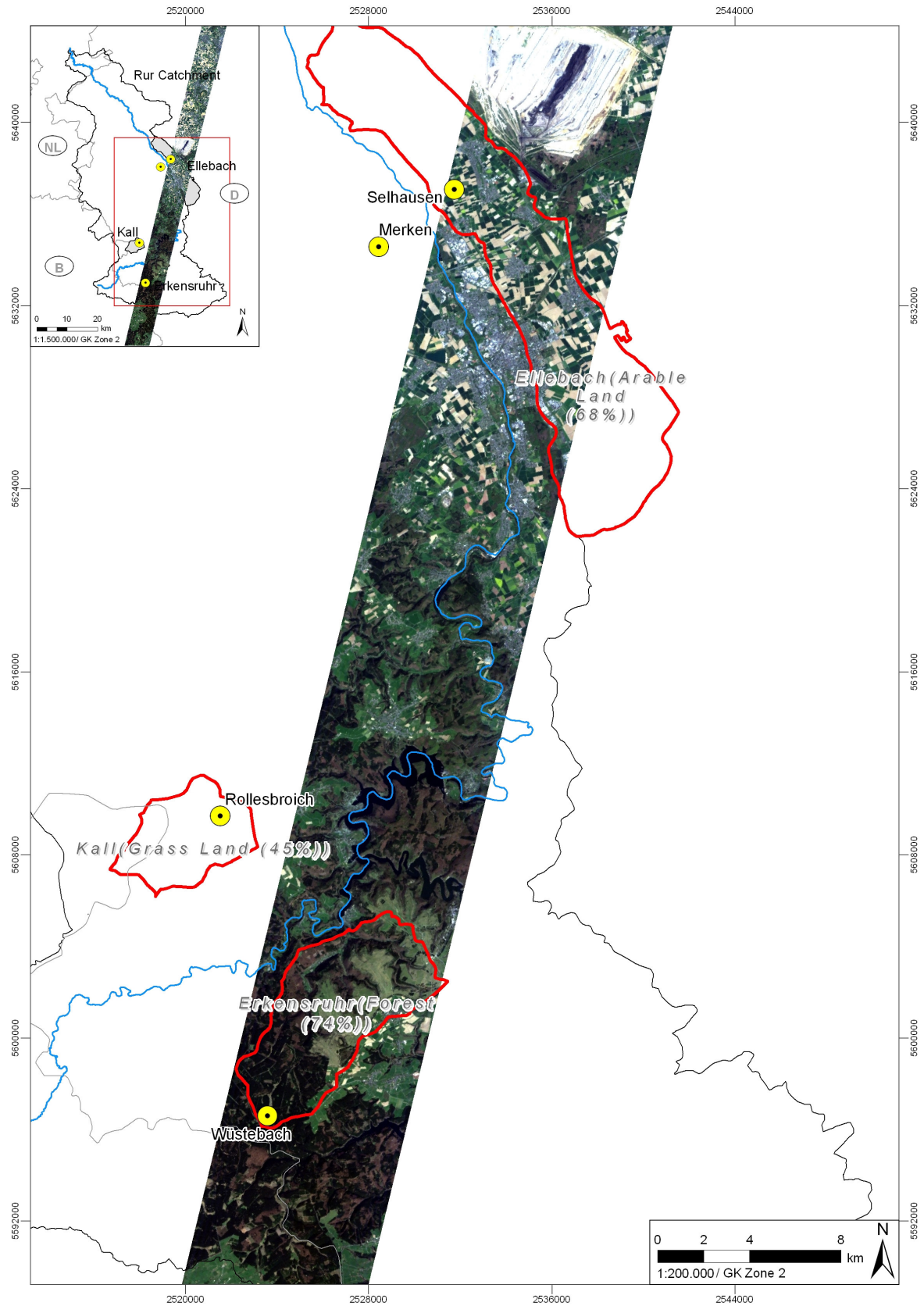


Documentation – EO-1-Hyperion-2007-04-15

Content	
files:	data EO1H1970242007105110KR (folder) EO1H1970242007105110KR.L1R.dat EO1H1970242007105110KR.L1R.hdr EO1H1970242007105110KR.L1R_interpolated_.aux EO1H1970242007105110KR.L1R_interpolated_.jgw EO1H1970242007105110KR.L1R_interpolated_.jpg EO1H1970242007105110KR.L1R_interpolated_.jpg.aux.xml EO1H1970242007105110KR.L1R_mask.dat EO1H1970242007105110KR.L1R_mask.hdr EO1H1970242007105110KR.L1R.MET EO1H1970242007105110KR.L1R_SGS_01.fgdc EO1H1970242007105110KR.tgz Documentation this file README.txt FLAASH_Hyperion_Scale_Factors.txt
data size:	data folder: 1,3 gb entire folder: 1,3 gb
extend:	see example
provider:	United States Geological Survey http://www.usgs.gov/
language:	english
date of publication:	2007-04-15
date of purchase:	-

Description	
description:	EO-1: The National Aeronautics and Space Administration EO-1 satellite was launched on November 21, 2000 as part of a one-year technology validation/demonstration mission. The Advanced Land Imager (ALI) instrument on EO-1 was used to validate and demonstrate technology for the Landsat Data Continuity Mission (LDCM). The original EO-1 Mission was successfully completed in November 2001. As the end of the Mission approached, the remote sensing research and scientific communities expressed high interest in continued acquisition of image data from EO-1. Based on this user interest and willingness to assist in funding continued operations, an agreement was reached between NASA and the United States Geological Survey to allow continuation of the EO-1 Program as an Extended Mission. Hyperion: The Hyperion provides a high resolution hyperspectral imager capable of resolving 220 spectral bands (from 0.4 to 2.5 µm) with a 30-meter resolution. The instrument can image a 7.5 km by 100 km land area per image, and provide detailed spectral mapping across all 220 channels with high radiometric accuracy. The major components of the instrument include the following: System fore-optics design based on the Korea Multi-Purpose Satellite (KOMPSAT) Electro Optical Camera (EOC) mission. The telescope provides for two separate grating image spectrometers to improve signal-to-noise ratio (SNR).
more information:	-
abbreviations used in data:	DATA FILE NAMES The file naming convention is as follows: EO1SPPRRRRYYYDDDXXML_GGG_VV where: EO1= Satellite S= Sensor (H=Hyperion, A=ALI) PPP= Target WRS Path RRR= Target WRS Row YYYY= Year of acquisition DDD= Julian day of acquisition X= (0=off; 1=on) Hyperion X= (0=off; 1=on) ALI X= (0=off; 1=on) AC M= Pointing Mode (N=Nadir; P=Pointed within path/row) K= Pointed outside path/row L= Scene Length (F=Full scene, P=Partial scene, Q=Second partial scene, S=Swath, *Other letters may be used to create distinct entity IDs) GGG= Ground/Receiving Station VV= Version Number

Example



Part of the EO1H1970242007105110KR data: Bands R3-G2-B1 shown in ArcGIS

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