# Documentation – EO-1-ALI-2007-04-28

Content	
files:	data EO1A1970242007118110KV_dat (folder) EO1A1970242007118110KV_B02-10_L1T.dat EO1A1970242007118110KV_B02-10_L1T.dat.aux.xml EO1A1970242007118110KV_B02-10_L1T.hdr EO1A1970242007118110KV_B02-10_L1T.fgdc EO1A1970242007118110KV.tgz documentation this file README.txt
data size:	data folder: 649 mb entire folder: 653 mb
extend:	see example
provider:	United States Geological Survey http://www.usgs.gov/
language:	english
date of publication:	2007-04-28
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. Ali:

	The EO-1 ALI is a technology verification instrument under the NMP. The focal plane for this instrument is partially populated with four sensor chip assemblies (SCA) and also covers 3° by 1.625°. Operating in a pushbroom fashion at an orbit of 705 km, the ALI provides Landsat type panchromatic and multispectral bands. These bands have been designed to mimic six Landsat bands with three additional bands covering 0.433-0.453, 0.845-0.890, and 1.20-1.30 µm. The ALI also contains wide-angle optics designed to provide a continuous 15° x 1.625° field of view for a fully populated focal plane with 30-meter resolution for the multispectral pixels and 10-meter resolution for the panchromatic pixels.
more information:	-
abbreviations used in data:	DATA FILE NAMES The file naming convention is as follows: EO1SPPPRRRYYYYDDDXXXML_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
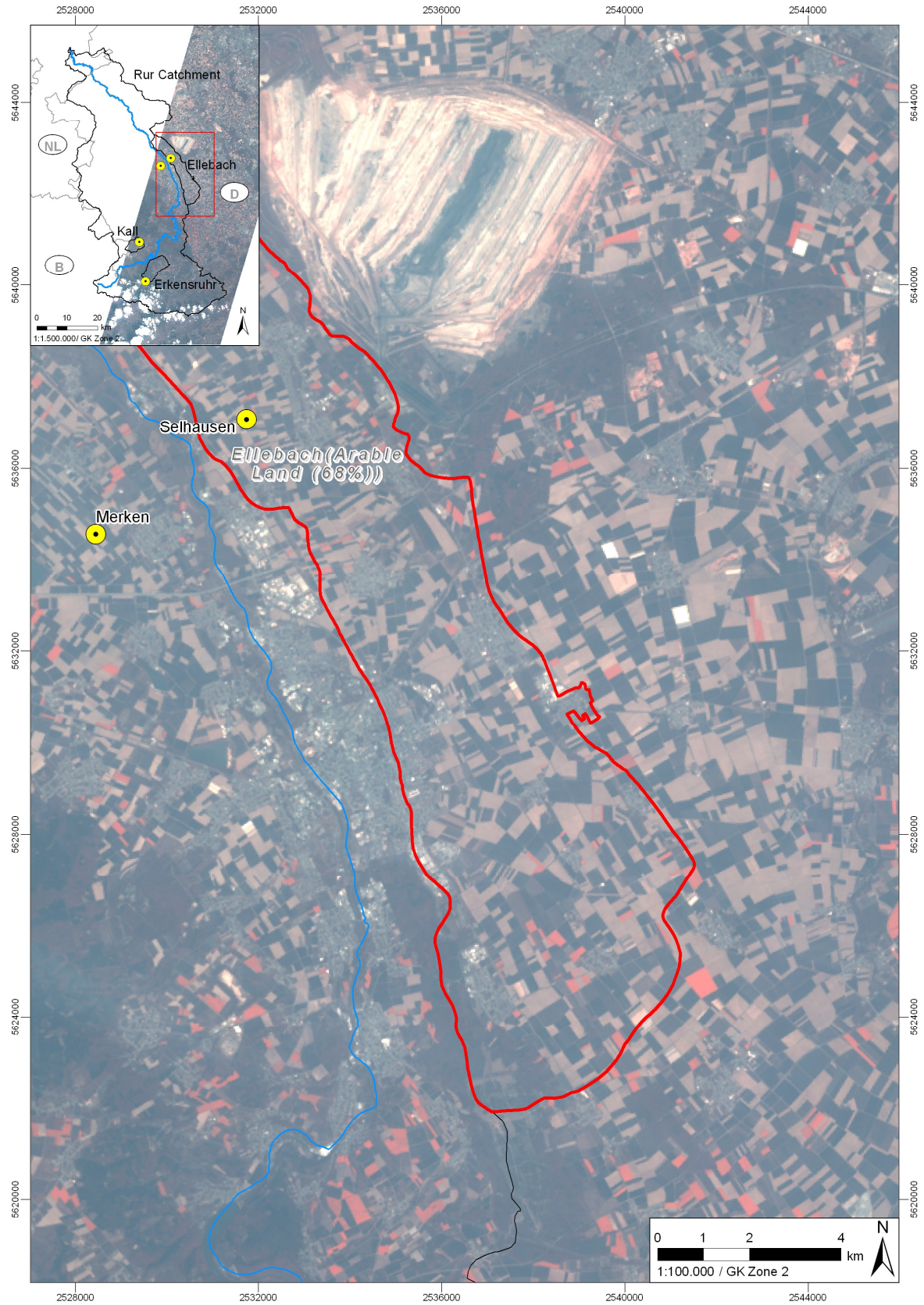
Part of the EO1A1970242007118110KV data: Bands R3-G2-B1 shown in ArcGIS

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