

Data Set Number 205: Georeferenced Corona Image of the Fakara-1 (Niger, 1965)

Identification_Information:

Citation:

Citation_Information:

Originator: USGS National Center for Earth Resources Observation & Science (EROS)

Publication_Date: 19950101

Title: Georeference Corona Image of the Fakara (Niger, 1995)

Geospatial_Data_Presentation_Form: remote-sensing image

Publication_Information:

Publication_Place: Sioux Falls, South Dakota, USA

Publisher: USGS National Center for Earth Resources Observation & Science (EROS)

Online_Linkage: \\ENGE-

FROUFROU\F\metadata_fakara\Corrona\corona_fakara_ds1018_51.tif

Description:

Abstract: On February 24, 1995, President Clinton signed an Executive

Order, directing the declassification of intelligence imagery acquired by the first generation of United States photo-reconnaissance satellites, including the systems code-named CORONA, ARGON, and LANYARD. More than 860,000 images of Earth's surface, collected between 1960 and 1972, were declassified with the issuance of this Executive Order. The National Archives and Records Administration (NARA) was given the responsibility for the original film and provide access to a duplicate copy for public viewing of the film. The USGS was also provided a dupe copy to support science products. Both NARA and the USGS provide access and product support for Declass-1 collection.

Online requests for these data can be placed via the Earth Explorer interactive query system.

Image was scanned at Agrhymet and georeferenced by D. Bakary and B. Gerard

Purpose: Use in this context to estimate landuse pattern in 1965

The Declassified Image collection was driven, in part, by the need to confirm purported developments in then-Soviet strategic missile capabilities. The images also were used to produce maps and charts for the Department of Defense and for other Federal Government mapping programs. The CORONA system provided a cost effective method to map the earth from space with stereo-optical images. CORONA demonstrated that the ability to adapt rapidly to a changing world is critical to the success of U.S. intelligence. This need to adapt grows even more acute as the pace of technological advancement increases. Data provided by CORONA offers beneficial information for environmentalists, scientists, scholars, and historians.

Supplemental_Information: In addition to the images, documents and reports

(collateral information) are available, pertaining to frame ephemeris data, orbital ephemeris data, and mission performance. Document availability varies by mission; documentation was not produced for unsuccessful missions.

Corner coordinate data is a critical component of the index information. Accuracy in locating corner coordinates varies according to how coordinates were derived and according to the accuracy of information used for the derivation. As a general rule, metadata corner points have errors less than 10 miles from their actual ground positions for the CORONA and LANYARD systems, and less than 50 miles for the ARGON system. After a search of the metadata, the user should inspect the browse image and its immediate neighbors in the image series for the point of interest before placing an order. For example, each CORONA image is about 10 miles wide and looking at three consecutive images in a series will compensate for 10 mile errors in cornerpoint locations. Also, the use of browse imagery allows the user to review a reduced resolution image to determine whether or not a specific site is contained in the selected frame. Check the following links for further information:

Declassified Satellite Imagery - 1 Fact Sheet

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 19650329

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: 2.307410

East_Bounding_Coordinate: 2.921364

North_Bounding_Coordinate: 13.746900

South_Bounding_Coordinate: 13.494524

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: DECLASSIFIED

Theme_Keyword: PANORAMIC CAMERA

Theme_Keyword: PHOTOGRAPHY

Theme_Keyword: ARGON

Theme_Keyword: ENVIRONMENTAL

Theme_Keyword: LANYARD

Theme_Keyword: USGS

Theme_Keyword: SATELLITE

Theme_Keyword: EDC

Theme_Keyword: EROS

Theme_Keyword: PHOTOGRAPHS

Theme_Keyword: CARTOGRAPHIC CAMERA

Theme_Keyword: PHOTO-RECONNAISSANCE

Theme_Keyword: Visible Imagery

Theme_Keyword: Infrared Imagery

Theme_Keyword: CORONA

Theme_Keyword: IMAGERY

Theme_Keyword: Visible

Theme_Keyword: Infrared

Theme_Keyword: Wavelengths
 Place:
 Place_Keyword_Thesaurus: None
 Place_Keyword: FAKARA
 Place_Keyword: NIGER
 Place_Keyword: SAHEL
 Place_Keyword: WEST AFRICA
 Place_Keyword: AFRICA
 Temporal:
 Temporal_Keyword_Thesaurus: none
 Temporal_Keyword: 1965
 Access_Constraints: None
 Use_Constraints: None
 Point_of_Contact:
 Contact_Information:
 Contact_Organization_Primary:
 Contact_Organization: USGS National Center for Earth Resources
 Observation & Science (EROS)
 Browse_Graphic:
 Browse_Graphic_File_Type: JPEG
 Security_Information:
 Security_Classification_System: none
 Security_Classification: Unclassified
 Security_Handling_Description: none
 Native_Data_Set_Environment: Microsoft Windows XP Version 5.1 (Build
 2600) Service Pack 2; ESRI ArcCatalog 9.2.0.1324
 Data_Quality_Information:
 Logical_Consistency_Report: Not available
 Completeness_Report:
 These images were retrieved under rigid quality control and
 product specifications.
 Lineage:
 Source_Information:
 Source_Citation:
 Citation_Information:
 Originator: U.S. Geological Survey
 Publication_Date: 19650329
 Title: DECLASSIFIED SATELLITE PHOTOGRAPHY: DS1018-1059DA051
 Geospatial_Data_Presentation_Form: Remote-sensing image
 Publication_Information:
 Publication_Place: Sioux Falls, South Dakota, USA
 Publisher: U.S. Geological Survey
 Online_Linkage: <http://earthexplorer.usgs.gov>
 Source_Time_Period_of_Content:
 Source_Currentness_Reference: ground condition
 Source_Citation_Abbreviation: Declass-1
 Process_Step:
 Process_Description:
 This image collection was produced under strict
 military guidelines and initially used to produce maps
 and charts, providing stereo-optical coverage of
 selected areas, for the U.S. Department of Defense.
 Process_Date: Unknown
 Process_Step:
 Process_Description: Film scanned at Agrhymet and image
 georeferenced. Further rubbersheeting was performed using
 orthorectified pan-sharpened Spot 5 image

Process_Step:
 Process_Description: Metadata imported from USGS web site and edited
 Process_Contact:
 Contact_Information:
 Contact_Person_Primary:
 Contact_Person: Bruno Gerard
 Contact_Organization: ICRISAT
 Cloud_Cover: 40
 Spatial_Data_Organization_Information:
 Direct_Spatial_Reference_Method: Raster
 Raster_Object_Information:
 Raster_Object_Type: Pixel
 Row_Count: 6788
 Column_Count: 16201
 Vertical_Count: 1
 Spatial_Reference_Information:
 Horizontal_Coordinate_System_Definition:
 Planar:
 Grid_Coordinate_System:
 Grid_Coordinate_System_Name: Universal Transverse Mercator
 Universal_Transverse_Mercator:
 UTM_Zone_Number: 31
 Transverse_Mercator:
 Scale_Factor_at_Central_Meridian: 0.999600
 Longitude_of_Central_Meridian: 3.000000
 Latitude_of_Projection_Origin: 0.000000
 False_Easting: 500000.000000
 False_Northing: 0.000000
 Planar_Coordinate_Information:
 Planar_Coordinate_Encoding_Method: row and column
 Coordinate_Representation:
 Abscissa_Resolution: 4.096429
 Ordinate_Resolution: 4.096429
 Planar_Distance_Units: meters
 Geodetic_Model:
 Horizontal_Datum_Name: D_WGS_1984
 Ellipsoid_Name: WGS_1984
 Semi-major_Axis: 6378137.000000
 Denominator_of_Flattening_Ratio: 298.257224
 Distribution_Information:
 Distributor:
 Contact_Information:
 Contact_Organization_Primary:
 Contact_Person: Service Coordinator
 Contact_Position: Service Coordinator
 Contact_Address:
 Address_Type: mailing and physical address
 City: Sioux Falls
 State_or_Province: SD
 Postal_Code: 57198-0001
 Country: USA
 Contact_Voice_Telephone: +001 605-594-6151 or U.S. toll free: 1-800-252-4547
 Contact_Facsimile_Telephone: +001 605-594-6589
 Contact_Electronic_Mail_Address: custserv@usgs.gov
 Hours_of_Service: 0800 - 1600 CT, M-F, -6 h GMT

Resource_Description: Georeference Corona Image of the Fakara (Niger, 1995)

Distribution_Liability: Although these data have been processed successfully on a computer system at the USGS, no warranty expressed or implied is made by the USGS regarding the use of the data on any other system, nor does the act of distribution constitute any such warran

Standard_Order_Process:

Non/digital_Form: Mission-specific reports (collateral information) of varied length

Fees: Product media formats, pricing and shipping information are available at: <<http://edcsns17.cr.usgs.gov/helpdocs/prices.html>>

Ordering_Instructions: Online Ordering: Once you have selected the image of your choice via the EarthExplorer system at <<http://earthexplorer.usgs.gov>> , Contact Customer Services at the USGS National Center for Earth Resources Observation & Science (EROS) at <<http://edc.u>

Turnaround: Delivery Times

Metadata_Reference_Information:

Metadata_Date: 20070207

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: USGS National Center for Earth Resources Observation & Science (EROS)

Contact_Position: Archive Management

Contact_Address:

Address_Type: mailing and physical address

Address: Archive Management, USGS National Center for Earth Resources Observation & Science (EROS)

City: Sioux Falls

State_or_Province: SD

Postal_Code: 57198-0001

Country: USA

Contact_Voice_Telephone: +001 605-594-6594 or U.S. toll free: 1-800-252-4547

Contact_Facsimile_Telephone: +001 605-594-6953

Contact_Electronic_Mail_Address: meta@usgs.gov

Hours_of_Service: 0800 - 1600 CT, M-F, -6 h GMT

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Access_Constraints: None

Metadata_Use_Constraints: None

Metadata_Security_Information:

Metadata_Security_Classification_System: None

Metadata_Security_Classification: Declassified

Metadata_Security_Handling_Description: None

Metadata_Extensions:

Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>

Profile_Name: ESRI Metadata Profile