

Data Set Number 199: Multispectral Spot 5 Imagery of the Fakara taken on 28 September 2004 Level 1B

Identification_Information:

Citation:

Citation_Information:

Originator: CNES

Publication_Date: 20041029

Publication_Time: 10:28:51

Title: Multispectral Spot 5 Imagery of the Fakara taken on 28 September 2004 Level 1B

Geospatial_Data_Presentation_Form: remote-sensing image

Online_Linkage: \\ENGE-FROUFROU\LACIE

(F)\metadata_fakara\Spot\Spot2004\multi\IMAGERY.TIF

Description:

Abstract: Multispectral Spot 5 image acquired over the Fakara on 28 September 2004 (SCENE 5 062-323/0 04/09/28 10:28:55 1 J)

Purpose: Land use land cover mapping

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 20040928

Time_of_Day: 10:28:55

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: 2.396548

East_Bounding_Coordinate: 3.057893

North_Bounding_Coordinate: 13.845693

South_Bounding_Coordinate: 13.195663

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: SPOT 5

Theme_Keyword: SPOT

Theme_Keyword: CNES

Theme_Keyword: SPOT IMAGE

Theme_Keyword: MULTISPECTRAL

Theme_Keyword: IR

Theme_Keyword: INFRARED

Theme_Keyword: HIGH RESOLUTION

Theme_Keyword: SATELLITE

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: 2004

Access_Constraints: Copyrighted CNES Spot Image

Use_Constraints: Some derived products can be used

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Catholic University of Louvain

Contact_Person: BRUNO GERARD

Contact_Position: Visitor Scientist

Contact_Address:

Address_Type: mailing and physical

Address: Faculty of Biological, Agronomic and Environmental
Engineering

Catholic university of Louvain

Croix du Sud, 2 bte 16

B-1348 Louvain-la-Neuve (Belgium)

Fax 32 (0) 10 47 88 98

City: Louvain-la-Neuve

Country: Belgique

Contact_Voice_Telephone: 32 (0) 10 47 92 57

Contact_Electronic_Mail_Address: b.Gerard@cgiar.org

Contact_Electronic_Mail_Address: gerard@enge.ucl.ac.be

Data_Set_Credit: Spot Image

Security_Information:

Security_Classification: Unclassified

Native_Data_Set_Environment: Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.2.0.1324

Data_Quality_Information:

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report: Level 1B

Lineage:

Process_Step:

Process_Description:

- 1) Orthorectification of pan and multispectral scenes using SRTM MNT and GCP surveyed with differential GPS
- 2) Pansharpening data fusion to produce multispectral scene with 5 m ground resolution
- 3) Multiscale segmentation of the image
- 4) Object based classification using expert knowledge for ground cover condition and using LCCS classification scheme

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Bruno Gerard

Contact_Organization: ICRISAT

Cloud_Cover: 0

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Raster

Raster_Object_Information:

Raster_Object_Type: Pixel

Row_Count: 6022

Column_Count: 5970

Vertical_Count: 1

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000
 Geographic_Coordinate_Units: Decimal degrees
 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_Person_Primary:
 Contact_Person: Bruno Gerard
 Contact_Organization: ICRISAT
 Contact_Address:
 Address_Type: mailing and physical address
 Address: BP: 12404
 City: Niamey
 Country: Niger
 Contact_Voice_Telephone: +22720722626
 Contact_Facsimile_Telephone: +22720734329
 Contact_Electronic_Mail_Address: b.gerard@cgiar.org
 Contact_Electronic_Mail_Address: icrisatsc@cgiar.org
 Contact_Instructions: http://www.icrisat.org/
 Resource_Description: Multispectral Spot 5 Imagery of the Fakara
 taken on 28 September 2004 Level 1B
 Distribution_Liability:
 Standard_Order_Process:
 Digital_Form:
 Digital_Transfer_Information:
 Transfer_Size: 0.000
 Metadata_Reference_Information:
 Metadata_Date: 20070206
 Metadata_Contact:
 Contact_Information:
 Contact_Organization_Primary:
 Contact_Organization: ICRISAT
 Contact_Person: AMADOU M.Laouali
 Contact_Address:
 Address_Type: mailing and physical address
 City: Niamey
 State_or_Province: address.
 Country: Niger
 Contact_Voice_Telephone: +22720722626
 Contact_Facsimile_Telephone: +22720734329
 Contact_Electronic_Mail_Address: a.m.laouali@cgiar.org
 Contact_Instructions: http://www.icrisat.org/
 Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial
 Metadata
 Metadata_Standard_Version: FGDC-STD-001-1998
 Metadata_Time_Convention: local time
 Metadata_Extensions:
 Online_Linkage: http://www.esri.com/metadata/esriprof80.html
 Profile_Name: ESRI Metadata Profile