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Identification Information:
 Citation:
   Citation Information:
     Originator: U.S. Geological Survey
     Publication Date: 20041001
     Title: Uvgoon Creek Fire of Noatak National Preserve - 2004
     Geospatial_Data_Presentation_Form:
       Raster digital data.
       Vector data are also available as ArcView Shape Files.
     Publication Information:
       Publication_Place: Sioux Falls, South Dakota USA
       Publisher: U.S. Geological Survey
     Online_Linkage: http://edc.usgs.gov
 Description:
   Abstract:
     The U.S. Geological Survey (USGS) has entered into a cooperative
     agreement with the National Park Service (NPS) to deliver satellite
     imagery and derivitive products centered on major fires that
     impact national parks and other federal lands. This data set was
     compiled at the request of a federal land management agency and is
     part of a suite of products generated for a specific fire.
     See the National Burn Severity Mapping web site at:
     http://edc2.usgs.gov/fsp/severity/fire_main.asp
   Purpose:
     The purpose of this project is to develop a robust mapping
     methodology and consistent data products that allow federal land
     managers and fire ecologists to evaluate and compare burn severity
     within individual fires and between fires across various
     ecosystems. These products will help land managers to more
     effectively plan, implement and monitor fire recovery activities.
   Supplemental_Information:
     Fire Name: Uvgoon Creek
     Agency: National Park Service
     Land Management Unit: Noatak National Preserve
     Dates of Fire: 6/1/2004
     Type of assessments: Initial
     Acres within Fire Perimeter: 10980
     Landsat Path and Row: 80/12
     Pre-Fire Landsat Date/Scene ID:
     Landsat 7; July 27, 2002 / LE7080012000220850
     Post-Fire Landsat Date/Scene ID:
     Landsat 7; Aug. 1, 2004 / LE7080012000421450
     Output Dataset Projection: Albers Conical Equal Area
     Datum Name: NAD27
     Spheroid Name: Clarke 1866
     1st Parallel: 55 00 00 N
     2nd Parallel: 65 00 00 N
     Central Meridian: 154 00 00 W
     Latitude of Origin: 50 00 00 N
     Image Corner Coordinate (center of upper left pixel, projection meters)
     ULX: -363810
                     LRX: -341760
                      LRY: 1990260
     ULY: 2008620
     Image size:
     #Rows: 613
     #Columns: 736
     Pixel size: 30 meters
     Bounding Box:
     North Lat: 67 50 58 N
     South Lat: 67 39 37 N
     East Long: 162 01 37 W
     West Long: 162 35 40 W
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Latitude and Longitude within Fire Perimeter:
    Lat: 67 45 32 N
    Long: 162 18 18 W
    Fire Perimeter: Digitized from Post fire Landsat scene and DNBR
    For further information on NLAPS and Landsat TM data, please refer
    to the metadatadocumentation found on the USGS Clearinghouse website at:
    http://www.fgdc.gov/clearinghouse/clearinghouse.html
    Product List:
    uvcr04a pretm.tif
    Pre-Fire Landsat data subset (bands 1-5,7 Geo-TIFF format)
    uvcr04a_postm.tif
    Post-Fire Landsat data subset (bands 1-5,7 Geo-TIFF format)
    uvcr04a dnbr
    Differenced Normalized Burn Ratio (DNBR) subset (ArcInfo GRID)
    uvcr04a pi
    Fire Perimeter (shape file)
    uvcr04a_hist.xls
    DNBR pixel count within the fire perimeter (excel file: Okoklik Lake and
    Uvgoon Creek only)
    d801207020804
    Full Scene DNBR (ArcInfo GRID)
Time_Period_of_Content:
  Time Period Information:
    Multiple Dates/Times:
      Single_Date/Time:
        Calendar_Date: 20020727 (pre-fire image)
      Single_Date/Time:
        Calendar_Date: 20040601 (date fire began)
      Single Date/Time:
        Calendar_Date: 20040801 (post-fire image)
  Currentness_Reference: ground condition
Status:
 Progress: Complete
 Maintenance_and_Update_Frequency: as needed
Spatial Domain:
 Bounding_Coordinates:
    West_Bounding_Coordinate: -162.35.40
    East_Bounding_Coordinate: -162.01.37
    North_Bounding_Coordinate: 67.50.58
    South Bounding Coordinate: 67.39.37
Keywords:
 Theme:
    Theme_Keyword_Thesaurus: none
    Theme_Keyword: burn mapping
    Theme_Keyword: imagery
    Theme_Keyword: fire
    Theme_Keyword: Landsat
    Theme_Keyword: National Park Service
 Place:
    Place_Keyword_Thesaurus: none
    Place_Keyword: Noatak National Preserve
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Place Keyword: Uvgoon Creek
      Place_Keyword: Alaska
  Access_Constraints: FTP data sets are available to any user.
  Use Constraints: There are no restrictions on use, except for reasonable and proper
acknowledgement of information sources.
  Point_of_Contact:
    Contact Information:
      +001 605-594-6151 or (USA) 800-252-4547
      Contact Organization Primary:
        Contact Organization: U.S. Geological Survey
      Contact_Position: CSR
      Contact_Voice_Telephone: +001 605-594-6151
      Contact_Address:
        Address_Type: physical and mailing address
        Address: 47914 252nd Street
        City: Sioux Falls
        State_or_Province: SD
        Postal_Code: 57198-0001
        Country: USA
      Contact_TDD/TTY_Telephone: +001 605-594-6933
      Contact Voice Telephone: +001 605-594-6151
      Contact_Facsimile_Telephone: +001 605-594-6589
      Contact Electronic Mail Address: fsedc@usqs.gov
      Hours_of_Service: 0800 - 1600 CT, M-F, -6 h GMT
      Contact_Instructions: http://edc2.usgs.gov/fsp/severity/contact_us.asp
  Data_Set_Credit: USGS and NASA
 Native_Data_Set_Environment: Oracle, ERDAS Imagine, & ArcInfo
Data_Quality_Information:
 Attribute_Accuracy:
   Attribute_Accuracy_Report:
      Three on-board calibrators (two solar, one internal) provide an absolute
      accuracy of 5 percent, excluding band 6.
 Logical_Consistency_Report:
    These Landsat data are collected from a nominal altitude of 705 kilometers
    in a near-polar, near-circular, sun-synchronous orbit at an inclination of
    98.2 degrees, imaging the same 183-km swath of Earth's surface every 16 days.
    The pixels representing the bands for the image are in the data set only once.
  Completeness_Report: Fire perimeter was automated, (seed value 425, distance 325) with manual
edits.
  Positional Accuracy:
   Horizontal_Positional_Accuracy:
      Horizontal_Positional_Accuracy_Report:
        Energy reflected from Earth's surface passes through a whisk-broom scanning
        system and all-reflective optics before being collected by the solid-state
        detectors at the focal plane.
 Lineage:
   Process_Step:
      Process_Description:
        These data products are derived from Landsat Thematic Mapper data.
        A pre-fire scene and a post-fire scene are analyzed to create a
        Differenced Normalized Burn Ratio (DNBR) image. The DNBR image portrays
        the variations of burn severity within the fire.
        The Landsat images are terrain corrected and geometrically rectified
        to an Albers Conical Equal Area map projection using the National
        Landsat Archive Production System (NLAPS). The images are further
        processed to convert bands 1-5 and 7 to at-satellite-reflectance.
        The Normalized Burn Ratio (NBR) is computed for each date of imagery
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using the following formula:

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(Band 4 - Band 7) / (Band 4 + Band 7) = NBR
        The differenced NBR is computed by subtracting the post-fire NBR from
        the pre-fire NBR:
        PreNBR - PostNBR = DNBR
        Higher DNBR values are correlated with more severe burns. The DNBR
        image is evaluated to determine the threshold value between burned and
        unburned areas. The perimeter of the fire is delineated using the DNBR
        image. The DNBR image, the pre-fire and post-fire TM images, and a
        fire perimeter vector file are provided in digital format in the map
        projection used by the National Park Service.
      Source Used Citation Abbreviation: TM
      Process Date: 20041001
      Source_Produced_Citation_Abbreviation: DNBR
  Cloud Cover: 10
Distribution_Information:
  Distributor:
    Contact Information:
      Contact Organization Primary:
        Contact_Organization: U.S. Geological Survey
      Contact_Position:
        Principal Scientist
        Land Cover Applications
      Contact Address:
        Address_Type: mailing and physical address
        Address:
          47914 252nd Street
          EROS Data Center
        City: Sioux Falls
        State or Province: SD
        Postal_Code: 57198-0001
        Country: USA
      Contact_Voice_Telephone: +001 605-594-6151
      Contact_TDD/TTY_Telephone: +001 605 594-6933
      Contact_Facsimile_Telephone: +001 605 594-6589
      Contact Electronic Mail Address: fsedc@usqs.gov
      Hours_of_Service: 0800 - 1600 CT, M-F, -6 h GMT
      Contact_Instructions: http://edc2.usgs.gov/fsp/severity/contact_us.asp
  Distribution_Liability:
    No warranty expressed or implied is made by the USGS regarding the use
    of the data, nor does the act of distribution constitute any such warranty.
  Standard Order Process:
    Digital Form:
      Digital_Transfer_Information:
        Format_Name: Geo-TIFF
        Format_Version_Number: 1
      Digital Transfer Option:
        Online_Option:
          Computer_Contact_Information:
            Network_Address:
              Network_Resource_Name: http://edc2.usgs.gov/fsp/severity/download_data.asp
    Digital Form:
      Digital_Transfer_Information:
        Format_Name: DNBR ArcInfo GRID
        Format_Version_Number: 1
      Digital_Transfer_Option:
        Online_Option:
          Computer_Contact_Information:
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Network Address:
              Network_Resource_Name: http://edc2.usgs.gov/fsp/severity/download_data.asp
   Digital Form:
      Digital Transfer Information:
        Format Name: shape file
        Format_Version_Number: 1
      Digital_Transfer_Option:
        Online_Option:
          Computer_Contact_Information:
            Network Address:
              Network_Resource_Name: http://edc2.usgs.gov/fsp/severity/download_data.asp
    Fees: No charge
    Ordering_Instructions: http://edc2.usgs.gov/fsp/severity/help.asp#ordering
    Turnaround: same day
Metadata Reference Information:
  Metadata_Date: 20041014
  Metadata_Contact:
    Contact_Information:
      Contact_Organization_Primary:
        Contact_Organization:
          USGS EROS Data Center
          Science & Applications Branch
      Contact Position:
        Principal Scientist
        Land Cover Applications
      Contact Address:
        Address Type: mailing and physical address
        Address:
          47914 252nd Street
          EROS Data Center
        City: Sioux Falls
        State or Province: SD
        Postal_Code: 57198-0001
        Country: USA
      Contact_Voice_Telephone: +001 605-594-6151
      Contact_TDD/TTY_Telephone: +001 605-594-6933
      Contact Facsimile Telephone: +001 605-594-6589
      Contact_Electronic_Mail_Address: fsedc@usgs.gov
      Hours_of_Service: 0800 - 1600 CT, M-F, -6 h GMT
      Contact_Instructions: http://edc2.usgs.gov/fsp/severity/contact_us.asp
  Metadata_Standard_Name: Content Standard for Digital Geospatial Metadata
 Metadata_Standard_Version: FGDC-STD-001-1998
  Metadata Access Constraints: none
  Metadata_Use_Constraints: none
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