

Supplemental Fire Metadata

Fire Information

MTBS Fire ID: NPS-AKROYUCA-0409-20070704
Duplicate MTBS Fire IDs: AK-AFS-DMT0-20070704
Fire Name (if known): CHARLEY RIVER
Date of Fire: July 04, 2007
State: Alaska
Agency: NPS
MTBS Mapping Zone: Alaska
HUC4 Catalog Unit: 19040401
Type of Assessment: Initial
Acres within Fire Perimeter: 3162.3

Required spatial adjustment for co-registration of pre-fire NBR to post-fire NBR
X-shift adjustment: 0 meters (relative to post-fire NBR)
Y-shift adjustment: +30 meters (relative to post-fire NBR)

Landsat Path and Row: 66/14

Pre-Fire Landsat Date/Scene ID: Landsat 5 TM; July 28, 2006 / 5066014000620910

Post-Fire Landsat Date/Scene ID: Landsat 5 TM; September 01, 2007 / 5066014000724410

Output Dataset Projection Albers Equal Area

Units: Meters
Datum: WGS84
Spheroid: WGS84
1st Standard Parallel: 55 00 00
2nd Standard Parallel: 65 00 00
Central Meridian: -154 00 00
Latitude of Origin: 50 00 00
False Northing: 0
False Easting: 0

Image Subset Corner Coordinates (center of pixel, projected meters)

ULX: 523830
ULY: 1758960
LRX: 534630
LRY: 1747230
Rows: 392
Columns: 361
Pixel size: 30 meters

Bounding Box

North Latitude: 65.35425 (65 21 15.3151916573)
South Latitude: 65.29981 (65 17 59.3278072116)
East Longitude: -142.54477 (-142 32 41.1549723852)
West Longitude: -142.65146 (-142 39 05.25266020802)

Latitude and Longitude within Fire Perimeter

Latitude: 65.326218 (65 19 34.3848)
Longitude: -142.594269 (-142 35 39.3684)

Fire Perimeter Generation Method: Manual

dNBR offset value used to calculate RdNBR: 2

Burn severity thresholds

No Data Threshold: -970
Increased Greenness: -150
Low Threshold: 150
Moderate Threshold: 377

High Threshold: 650

Product List:

NPS-AKROYUCA-0409-20070704_pre_refl.tif

Subset of Landsat scene used for pre-fire image (Bands 1-5, 7; Unsigned 8-bit GeoTIFF)

NPS-AKROYUCA-0409-20070704_post_refl.tif

Subset of Landsat scene used for post-fire image (Bands 1-5, 7; Unsigned 8-bit GeoTIFF)

NPS-AKROYUCA-0409-20070704_d.tif

dNBR used for burn severity analysis and mapping; subset to the fire area (Signed 16-bit GeoTIFF)

NPS-AKROYUCA-0409-20070704_dt.tif

Thematic dNBR; Derived by thresholding dNBR subset (8-bit GeoTIFF)

NPS-AKROYUCA-0409-20070704_rd.tif

Relative dNBR; subset to the fire area (Signed 16-bit GeoTIFF)

NPS-AKROYUCA-0409-20070704.shp

Perimeter of detectable fire area derived from satellite imagery (ESRI shapefile)

NPS-AKROYUCA-0409-20070704_cldshdw.shp

Mask for clouds, shadow, snow or anomalies intersecting fire area (ESRI shapefile)

d6614_20060728_6614_20070901.tif

dNBR for full Landsat scene (path/row: 66/14)