Supplemental Fire Metadata

Fire Information
MTBS Fire ID: NPS-AKROYUCA-0222-20070606
Duplicate MTBS Fire IDs: AK-AFS-DHQ5-20070606
Fire Name (if known): WOODCHOPPER 2
Date of Fire: June 06, 2007
State: Alaska
Agency: NPS
MTBS Mapping Zone: Alaska
HUC4 Catalog Unit: 19040401
Type of Assessment: Initial
Acres within Fire Perimeter: 20861.0

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: 481380
ULY: 1753980
LRX: 502710
LRY: 1731330
Rows: 756
Columns: 712
Pixel size: 30 meters

Bounding Box
North Latitude: 65.36817 (65 22 05.4029616071)
South Latitude: 65.22535 (65 13 31.2438534953)
East Longitude: -143.25584 (-143 15 21.009606858)
West Longitude: -143.59438 (-143 35 39.7710284568)

Latitude and Longitude within Fire Perimeter
Latitude: 65.304153 (65 18 14.9508)
Longitude: -143.43512 (-143 26 06.43200000004)

Fire Perimeter Generation Method: Manual

dNBR offset value used to calculate RdNBR: 5

Burn severity thresholds
No Data Threshold: -970
Increased Greeness: -150
Low Threshold: 150
Moderate Threshold: 377

High Threshold: 650

Product List:
NPS-AKROYUCA-0222-20070606_pre_refl.tif
Subset of Landsat scene used for pre-fire image (Bands 1-5, 7; Unsigned 8-bit GeoTIFF)

NPS-AKROYUCA-0222-20070606_post_refl.tif
Subset of Landsat scene used for pot-fire image (Bands 1-5, 7; Unsigned 8-bit GeoTIFF)

NPS-AKROYUCA-0222-20070606_d.tif
dNBR used for burn severity analysis and mapping; subset to the fire area (Signed 16-bit GeoTIFF)

NPS-AKROYUCA-0222-20070606_dt.tif
Thematic dNBR; Derived by thresholding dNBR subset (8-bit GeoTIFF)

NPS-AKROYUCA-0222-20070606_rd.tif
Relative dNBR; subset to the fire area (Signed 16-bit GeoTIFF)

NPS-AKROYUCA-0222-20070606.shp
Perimeter of detectable fire area derived from satellite imagery (ESRI shapefile)

NPS-AKROYUCA-0222-20070606_cldshdw.shp
Mask for clouds, shadow, snow or anomallies intersecting fire area (ESRI shapefile)

d6614_20060728_6614_20070901.tif
dNBR for full Landsat scene (path/row: 66/14)