

Supplemental Fire Metadata

Fire Information

MTBS Fire ID: NPS-IMROWYYP-0714-20070809  
Duplicate MTBS Fire IDs: NPS-IMROWYYP-0712-20070722, NPS-IMROWYYP-0715-20070809, NPS-IMROWYYP-19-20070807, WY-YEL-2007-14, WY-YEL-2007-12, WY-YEL-2007-16  
Fire Name (if known): COLUMBINE, BEAVERDAM, PROMONTORY CMLPX  
Date of Fire: August 09, 2007  
State: Wyoming  
Agency: NPS  
MTBS Mapping Zone: North Central  
Geographic Area: Northern Rockies  
HUC4 Catalog Unit: 10070001  
Type of Assessment: Extended  
Acres within Fire Perimeter: 20333.9

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: 0 meters (relative to post-fire NBR)

Landsat Path and Row: 38/29  
Pre-Fire Landsat Date/Scene ID: Landsat 5 TM; June 25, 2007 / 5038029000717650  
Post-Fire Landsat Date/Scene ID: Landsat 5 TM; July 29, 2008 / 5038029000821150

Output Dataset Projection Albers Equal Area

Units: Meters  
Datum: NAD83  
Spheroid: GRS80  
1st Standard Parallel: 29 30 00  
2nd Standard Parallel: 45 30 00  
Central Meridian: -96 00 00  
Latitude of Origin: 23 00 00  
False Northing: 0  
False Easting: 0

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

ULX: -1135020  
ULY: 2471760  
LRX: -1103160  
LRY: 2450910  
Rows: 696  
Columns: 1063  
Pixel size: 30 meters

Bounding Box

North Latitude: 44.46299 (44 27 46.7702239158)  
South Latitude: 44.32347 (44 19 24.4894207048)  
East Longitude: -109.98584 (-109 59 09.01057625881)  
West Longitude: -110.29954 (-110 17 58.343760096)

Latitude and Longitude within Fire Perimeter

Latitude: 44.367554 (44 22 03.19439999999)  
Longitude: -110.178819 (-110 10 43.7484)

Fire Perimeter Generation Method: Manual

dNBR offset value used to calculate RdNBR: -61

Burn severity thresholds

No Data Threshold: -970  
Increased Greenness: -150  
Low Threshold: 75  
Moderate Threshold: 295  
High Threshold: 550

Product List:

NPS-IMROWYYNP-0714-20070809\_pre\_refl.tif

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

NPS-IMROWYYNP-0714-20070809\_post\_refl.tif

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

NPS-IMROWYYNP-0714-20070809\_d.tif

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

NPS-IMROWYYNP-0714-20070809\_dt.tif

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

NPS-IMROWYYNP-0714-20070809\_rd.tif

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

NPS-IMROWYYNP-0714-20070809.shp

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

NPS-IMROWYYNP-0714-20070809\_cldshdw.shp

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

d3829\_20070625\_3829\_20080729.tif

dNBR for full Landsat scene (path/row: 38/29)

Processing Comments: cloud mask covers snow