

Supplemental Fire Metadata

Fire Information

MTBS Fire ID: NPS-IMROAZGCP-107-20071019  
Duplicate MTBS Fire IDs: NPS-IMROAZGCP-108-20071019  
Fire Name (if known): UNCLE JIM  
Date of Fire: October 19, 2007  
State: Arizona  
Agency: NPS  
MTBS Mapping Zone: Southwest  
Geographic Area: Southwest  
HUC4 Catalog Unit: 15010001  
Type of Assessment: Extended  
Acres within Fire Perimeter: 4619.2

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: 37/35

Pre-Fire Landsat Date/Scene ID: Landsat 7 ETM+; June 28, 2002 / 7037035000217910  
Post-Fire Landsat Date/Scene ID: Landsat 5 TM; June 20, 2008 / 5037035000817250

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: -1426830  
ULY: 1590780  
LRX: -1411890  
LRY: 1579620  
Rows: 373  
Columns: 499  
Pixel size: 30 meters

Bounding Box

North Latitude: 36.25982 (36 15 35.3472293326)  
South Latitude: 36.21098 (36 12 39.539929882)  
East Longitude: -111.95937 (-111 57 33.7184921448)  
West Longitude: -112.06007 (-112 03 36.234555592)

Latitude and Longitude within Fire Perimeter

Latitude: 36.235497 (36 14 07.78920000001)  
Longitude: -112.011204 (-112 00 40.3344)

Fire Perimeter Generation Method: Manual

dNBR offset value used to calculate RdNBR: 53

Burn severity thresholds  
No Data Threshold: -970  
Increased Greenness: -150  
Low Threshold: 100  
Moderate Threshold: 291  
High Threshold: 525

Product List:

NPS-IMROAZGCP-107-20071019\_pre\_refl.tif

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

NPS-IMROAZGCP-107-20071019\_post\_refl.tif

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

NPS-IMROAZGCP-107-20071019\_d.tif

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

NPS-IMROAZGCP-107-20071019\_dt.tif

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

NPS-IMROAZGCP-107-20071019\_rd.tif

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

NPS-IMROAZGCP-107-20071019.shp

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

NPS-IMROAZGCP-107-20071019\_cldshdw.shp

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

d3735\_20020628\_3735\_20080620.tif

dNBR for full Landsat scene (path/row: 37/35)

Processing Comments: exact fire dates unknown when processing these fires