Supplemental Fire Metadata

Fire Information
MTBS Fire ID: NPS-IMROAZGCP-099-20071019
Duplicate MTBS Fire IDs: No duplicate fire IDs
Fire Name (if known): SW ROOST
Date of Fire: October 19, 2007
State: Arizona
Agency: NPS
MTBS Mapping Zone: Southwest
Geographic Area: Southwest
HUC4 Catalog Unit: 15010002
Type of Assessment: Extended
Acres within Fire Perimeter: 2269.8

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: -1439070
ULY: 1596690
LRX: -1429260
LRY: 1586460
Rows: 342
Columns: 328
Pixel size: 30 meters

Bounding Box
North Latitude: 36.28904 (36 17 20.528813566)
South Latitude: 36.25301 (36 15 10.8499533246)
East Longitude: -112.16759 (-112 10 03.33864204958)
West Longitude: -112.21221 (-112 12 43.9508315772)

Latitude and Longitude within Fire Perimeter
Latitude: 36.270447 (36 16 13.6092)
Longitude: -112.190994 (-112 11 27.5784)

Fire Perimeter Generation Method: Manual

dNBR offset value used to calculate RdNBR: 53

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

Product List:
NPS-IMROAZGCP-099-20071019_pre_refl.tif
Subset of Landsat scene used for pre-fire image (Bands 1-5, 7; Unsigned 8-bit
GeoTIFF)

NPS-IMROAZGCP-099-20071019_post_refl.tif
Subset of Landsat scene used for post-fire image (Bands 1-5, 7; Unsigned 8-bit
GeoTIFF)

NPS-IMROAZGCP-099-20071019_d.tif
dNBR used for burn severity analysis and mapping; subset to the fire area
(Signed 16-bit GeoTIFF)

NPS-IMROAZGCP-099-20071019_dt.tif
Thematic dNBR; Derived by thresholding dNBR subset (8-bit GeoTIFF)

NPS-IMROAZGCP-099-20071019_rd.tif
Relative dNBR; subset to the fire area (Signed 16-bit GeoTIFF)

NPS-IMROAZGCP-099-20071019.shp
Perimeter of detectable fire area derived from satellite imagery (ESRI
shapefile)

NPS-IMROAZGCP-099-20071019_cldshdw.shp
Mask for clouds, shadow, snow or anomallies intersecting fire area (ESRI
shapefile)

d3735_20020628_3735_20080620.tif
dNBR for full Landsat scene (path/row: 37/35)

Processing Comments: