Supplemental Fire Metadata

Fire Information
MTBS Fire ID: NPS-IMROAZGCP-063-20070719
Duplicate MTBS Fire IDs: AZ-GCP-063-20070719
Fire Name (if known): ROOSEVELT WFU
Date of Fire: July 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: 5354.1

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: -1421850
ULY: 1584420
LRX: -1409250
LRY: 1571040
Rows: 447
Columns: 421
Pixel size: 30 meters

Bounding Box
North Latitude: 36.21235 (36 12 44.47625072)
South Latitude: 36.14699 (36 08 49.147407505)
East Longitude: -111.92353 (-111 55 24.7238823576)
West Longitude: -111.99278 (-111 59 33.9949733964)

Latitude and Longitude within Fire Perimeter
Latitude: 36.181408 (36 10 53.0688)
Longitude: -111.953987 (-111 57 14.3532)

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-063-20070719_pre_refl.tif
Subset of Landsat scene used for pre-fire image (Bands 1-5, 7; Unsigned 8-bit GeoTIFF)

NPS-IMROAZGCP-063-20070719_post_refl.tif
Subset of Landsat scene used for post-fire image (Bands 1-5, 7; Unsigned 8-bit GeoTIFF)

NPS-IMROAZGCP-063-20070719_d.tif
dNBR used for burn severity analysis and mapping; subset to the fire area (Signed 16-bit GeoTIFF)

NPS-IMROAZGCP-063-20070719_dt.tif
Thematic dNBR; Derived by thresholding dNBR subset (8-bit GeoTIFF)

NPS-IMROAZGCP-063-20070719_rd.tif
Relative dNBR; subset to the fire area (Signed 16-bit GeoTIFF)

NPS-IMROAZGCP-063-20070719.shp
Perimeter of detectable fire area derived from satellite imagery (ESRI shapefile)

NPS-IMROAZGCP-063-20070719_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: