Supplemental Fire Metadata

Fire Information
MTBS Fire ID: NPS-SEROGRSM-SMOK07A-20070302
Duplicate MTBS Fire IDs: No duplicate fire IDs
Fire Name (if known): SMOKEMONT
Date of Fire: March 02, 2007
State: North Carolina
Agency: NPS
MTBS Mapping Zone: Northeast
HUC4 Catalog Unit: 06010203
Type of Assessment: Initial
Acres within Fire Perimeter: 228.6

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: 19/35
Pre-Fire Landsat Date/Scene ID: Landsat 5 TM; June 01, 2006 / 5019035000615210
Post-Fire Landsat Date/Scene ID: Landsat 5 TM; May 19, 2007 / 5019035000713910

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: 1131870
ULY: 1469520
LRX: 1139220
LRY: 1462020
Rows: 251
Columns: 246
Pixel size: 30 meters

Bounding Box
North Latitude: 35.57088 (35 34 15.1603913942)
South Latitude: 35.55784 (35 33 28.2105888084)
East Longitude: -83.31574 (-83 18 56.6488118178)
West Longitude: -83.33162 (-83 19 53.8482240228)

Latitude and Longitude within Fire Perimeter
Latitude: 35.564713 (35 33 52.9668)
Longitude: -83.323952 (-83 19 26.2272)

Fire Perimeter Generation Method: Manual

dNBR offset value used to calculate RdNBR: 42

Burn severity thresholds
No Data Threshold: -970
Increased Greeness: -150
Low Threshold: 100
Moderate Threshold: 277

High Threshold: 500

Product List:
NPS-SEROGRSM-SMOK07A-20070302_pre_refl.tif
Subset of Landsat scene used for pre-fire image (Bands 1-5, 7; Unsigned 8-bit GeoTIFF)

NPS-SEROGRSM-SMOK07A-20070302_post_refl.tif
Subset of Landsat scene used for pot-fire image (Bands 1-5, 7; Unsigned 8-bit GeoTIFF)

NPS-SEROGRSM-SMOK07A-20070302_d.tif
dNBR used for burn severity analysis and mapping; subset to the fire area (Signed 16-bit GeoTIFF)

NPS-SEROGRSM-SMOK07A-20070302_dt.tif
Thematic dNBR; Derived by thresholding dNBR subset (8-bit GeoTIFF)

NPS-SEROGRSM-SMOK07A-20070302_rd.tif
Relative dNBR; subset to the fire area (Signed 16-bit GeoTIFF)

NPS-SEROGRSM-SMOK07A-20070302.shp
Perimeter of detectable fire area derived from satellite imagery (ESRI shapefile)

NPS-SEROGRSM-SMOK07A-20070302_cldshdw.shp
Mask for clouds, shadow, snow or anomallies intersecting fire area (ESRI shapefile)

d1935_20060601_1935_20070519.tif
dNBR for full Landsat scene (path/row: 19/35)