

Metadata Central Yakutia Landsat Mosaics

Two mosaics from Landsat scenes were constructed for the study area for the years 2001&2002 and 2009. Mosaicking process was done in ERDAS IMAGINE 9.1. Mosaicking process was done in ERDAS IMAGINE 9.1. We used the "Mosaic Images" processing chain of the "data preparation" menu. After adding all images into the "Mosaic Tool Viewer", the image quality within the overlap areas were evaluated. Cutlines between neighboring images were drawn manually, in order to create a cloud free coverage for the entire area. Output map area was set to "Union of all inputs", output cell size to 30m (mosaic 2001/2002) and 32 m (mosaic 2009). No color corrections along the border of cutlines or across the images have been applied.

ETM_mosaic_Central_Yakutia_2001_2002.img

Projection : UTM, Zone 52 North, Datum: WGS-84, Pixel: 30m

Extent: South-bound Latitude: 59.59 * West-bound Longitude 111.17* North-bound Latitude: 65.78 * East-bound Longitude: 133.31

The mosaic from 2001/2002 consists of 31 Landsat ETM+ scenes acquired during two consecutive years 2001 and 2002. Used Landsat paths were 121-130, used Landsat rows 15-18. Image scenes included in the mosaic were the following:

LE71210162002224EDC00
LE71210172002224EDC00
LE71220152001228SGS00
LE71220152002215EDC00
LE71220162002215EDC00
LE71220172001196EDC00
LE71220172002231EDC00
LE71230152002190EDC00
LE71230162002190EDC00
LE71240152002213EDC00
LE71240162001210EDC00
LE71240162002213EDC00
LE71240172001242EDC00
LE71250152002188EDC00
LE71250172002188EDC00
LE71250172002204EDC00
LE71260152001192SGS00
LE71260162001192SGS00
LE71260172001192SGS00
LE71260172002227SGS00
LE71270152001199SGS00
LE71270162001199SGS00
LE71280152002225SGS00
LE71280162002225SGS00
LE71280172002225SGS00
LE71280182002225SGS00
LE71290152002200SGS00

LE71290172002200SGS00
LE71300152001236SGS01
LE71300162001236SGS01
LE71300172001236SGS01

TM5_mosaic_Central_Yakutia_2009.img

UTM, Zone 52 North, Pixel : 32 Meters, Datum : WGS-84

Extent: South-bound Latitude: 60.40 * West-bound Longitude: 113.00 * North-bound Latitude: 65.60
* East-bound Longitude: 133.40

The mosaic covers parts of Central Yakutia and consists of 25 Landsat TM5 scenes. Used Landsat pathes 121-129, used Landsat rows 15-17. Image scenes included in the mosaic were the following:

LT51210162009219IKR00
LT51210172009219IKR00
LT51220152009194MGR01
LT51220162009194MGR01
LT51220162009242IKR01
LT51220172009242IKR01
LT51230152009233IKR00
LT51230162009233IKR00
LT51230172009233IKR00
LT51250152009199MGR00
LT51250162009199MGR00
LT51250172009199MGR00
LT51260152009190IKR00
LT51260162009190IKR00
LT51260172009190IKR00
LT51270152009197MGR01
LT51270162009197MGR01
LT51270162009213MGR00
LT51270172009197MGR01
LT51280152009236MGR00
LT51280162009236MGR00
LT51280172009236MGR00
LT51290152009195MGR01
LT51290172009243MGR00
LT51290162009243MGR00

Landsat 5 TM and Landsat 7 ETM+ SLC-on data courtesy of the U.S. Geological Survey.