

HCM TOPO data from SRTM3 V4.1 data

During the conversion of the SRTM3 V4.1 data to the HCM TOPO format, I detected several problems:

- In the North, SRTM3 data reach up to 60 degrees north. But the last row of data in the North, at exact 60.0000 degrees, is missing. The last row with correct data is at 59 degrees, 59 minutes and 57 seconds (3 seconds below 60 degrees). Therefore I copied this last row with correct data to the missing row at 60.0000 degrees. This was necessary, because reading heights of points between 59 degrees, 59 minutes and 57 seconds and 60.0000 degrees, the 60.0000 degree value is required for interpolation.
- Inside the Caspian Sea, a lot of data is missing (NODATA_value = -9999 m). All surrounding data are -29 m. Therefore this missing data inside the Caspian Sea was set to -29 m.
- In Germany, near the town of Koblenz, there is a big bridge over the valley of the river Mosel. The latitude is 50N 18' 51". At longitude values of 7E 29' 42", 7E 29'45" and 7E 29' 48" there are wrong heights of 10, -57 and 19 m. The correct height is 54 m (surface of the river Mosel). The explanation of the wrong height may be an additional reflection of the radar-beam from the shuttle to the ground, to the bottom of the bridge, back to the ground and then to the receiver in the shuttle. This results in a 'measured' height of two times lower than the bridge height over ground. These three wrong values are corrected by inserting the height of 54 m.

If you detect more errors in the data, please report it by email to

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