

1. Identification

FileName: glaciers_cci_iv_rgi14_ASAR_2004-2005_v150923.zip
Content: Yearly ice velocity map Baltoro glacier **Size:** 13.4 MB
Creators: Tazio Strozzi and Andreas Wiesmann **Institution:** Gamma Remote Sensing
 Gümligen (BE), Switzerland
Created at: 23.09.2015 **Type:** Raster files
Entry-ID: iv_rgi14_008 **Funding:** ESA Glaciers_cci

2. Description

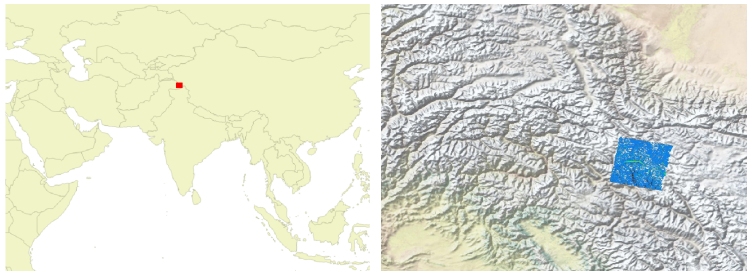
Description: This data set provides an ice velocity map for part of RGI region 14 covering the Baltoro glacier. Ice velocity is derived from ENVISAT ASAR images acquired in 2004 and 2005.
Methods: Offset fields between a pair of ENVISAT ASAR satellite data acquired with a one year interval are employed for the estimation of glacier velocity. Offset tracking measurements made along the SAR slant-range (incidence angle is about 23° for ENVISAT ASAR observations) and azimuth directions are combined to retrieve horizontal displacement on the ground.
References: Glaciers_cci (2015): Climate Research Data Package (CRDP) Technical Document. Prepared by the Glaciers_cci consortium, 20 pp.
Citation: When using this dataset, please cite the above reference (Glaciers_cci 2015). A related journal publication is in preparation.

3. Source data

Source: Eoli-sa **Nr. of scenes:** 2
Satellites: ASAR **Date (range):** 04.04.2004 - 24.04.2005
Sensors: ENVISAT **Years total:** 1
Path (range): 377 **Product:** SLC
Row (range): 2886 **Remarks:** SRTM v4.1 used for topographic reference, RGI 4.0 used for validation

4. Geographic coverage

Country: Several
Region: Karakoram
RGI Region: 14 (South Asia West)
Longitude: 75.9-77.2 E
Latitude: 35.1-36.3 N
Projection: EQA
Datum: WGS84
Sampling: 0.00083



5. Individual data files

Name	Description
IV_RGI14_ASAR_20040404T050501_20050424T050506.300.tif	Quicklook scaled > 300 m/yr
IV_RGI14_ASAR_20040404T050501_20050424T050506.csv	ASCII Table
IV_RGI14_ASAR_20040404T050501_20050424T050506.tif	Geotiff
IV_RGI14_ASAR_20040404T050501_20050424T050506.xml	Metadata