

1. Identification

LongName	glaciers_cci_ecd_rgi18_srtm2-ast14d_2000-2006_v140501.zip		
ShortName	ELC-dDEM New Zealand ASTER	Type	raster, geotiff
Creators	Christopher Nuth, Andreas Kääb	Institution	Dept. of Geosciences University of Oslo
Created at	01.05. 2014 (release 1.0)	Funding	ESA Glaciers_cci
Entry ID	ecd_rgi18_001	Remarks	

2. Description

Description	This data set provides elevation differences over glaciers between the SRTM DEM (non-void filled version 2) and the ASTER14DMO product provided by NASA/JAXA.
Methods	Standard co-registration and along/across track bias removal, performed at the Univ. of Oslo.
References	Nuth, C. and Kääb, A. (2011): Co-registration and bias corrections of satellite elevation data sets for quantifying glacier thickness change, The Cryosphere, 5, 271-290, doi:10.5194/tc-5-271-2011.
Citation	When using this dataset, please cite the above reference (Nuth and Kääb, 2011).

3. Source data

Source	USGS / JAXA
Satellites	Terra, Space Shuttle
Sensors	ASTER, SRTM C Band
Path – Row	075-90 (from WRS2)
Nr. of datasets	2
Date (range)	2000 vs 2006
Years total	6
Product	USGS ASTER14DMO and SRTMv2

Remarks There may be penetration of the C-band radar into snow and ice such that the surface elevation of the glacier may actually be higher than the SRTM elevation value. Also, small artefacts (2-4 m) from satellite jitter are still present in the ASTER DEM model, and thus within the differences.

4. Geographic coverage

Country	New Zealand
Region	Southern Alps
RGI Region	18 (New Zealand)
Longitude	169.712-170.706 E
Latitude	46.2711-46.9356 S
Projection	UTM (Zone 59)
Datum	WGS84
Sampling	90 m



5. Data files

Name* glaciers_cci_ecd_rgi18_srtm2-ast14d_2000-2006_v140501

Size	xx MB	Upload: 21.04.2015
File 1	Raster: .tif	
File 2	Metadata: .txt	
File 3	Geographical coverage: .jpg	
File 4	This Metadata Information Sheet: .doc	

