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ESA CCI+ Permafrost Project

15 Central Andes InSAR data

Last update: 23-03-2023

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DEM, made by the Argentinean geography institute, combining SRTM and ALOS DEM

Its accuracy against more than 23,400 GCP is maximum positive difference +4.16 m, maximum

negative difference –8.33 m, mean difference (Bias) –2.13 m and standar deviation of 1.91 m

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MDE_Ar_v2_selected_area_exp.tif	Float values
MDE_Ar_v2_selected_area_exp.dem.tif	Shaded relief

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InSAR ALOS-1 PALSAR-1 ascending orbit

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15_ALOS1_ASC_20070724_20070908_046_tflt.tif	Bperp: 14.8 m delta_T: 46 days
15_ALOS1_ASC_20080124_20080310_046_tflt.tif	Bperp: -499.4 m delta_T: 46 days

15_ALOS1_ASC_20100129_20100316_046_tflt.tif Bperp: -603.6 m delta_T: 46 days

15_ALOS1_ASC_20101217_20110201_046_tflt.tif Bperp: -250.4 m delta_T: 46 days

15_ALOS1_ASC_20100916_20101217_092_tflt.tif Bperp: -504.8 m delta_T: 92 days

15_ALOS1_ASC_20080124_20100316_782_tflt.tif Bperp: 535.2 m delta_T: 782 days

15_ALOS1_ASC_20080222_20080408_046_tflt.tif Bperp: -313.8 m delta_T: 46 days

15_ALOS1_ASC_20100227_20100414_046_tflt.tif Bperp: -567.5 m delta_T: 46 days

15_ALOS1_ASC_20100414_20100530_046_tflt.tif Bperp: -95.0 m delta_T: 46 days

15_ALOS1_ASC_20100530_20100715_046_tflt.tif Bperp: -112.8 m delta_T: 46 days

15_ALOS1_ASC_20080222_20100414_782_tflt.tif Bperp: 504.7 m delta_T: 782 days

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InSAR ALOS-2 PALSAR-2 descending orbit

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15_ALOS2_DES_20160324_20170323_364_tflt.tif Bperp: -174.3 m delta_T: 364 days

15_ALOS2_DES_20170309_20170504_056_tflt.tif Bperp: 108.1 m delta_T: 56 days

15_ALOS2_DES_20170309_20180419_406_tflt.tif Bperp: 217.6 m delta_T: 406 days

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InSAR ALOS-2 PALSAR-2 ascending orbit

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15_ALOS2_ASC_20170214_20180130_350_tflt.tif Bperp: 102.8 m delta_T: 350 days

15_ALOS2_ASC_20180130_20180522_112_tflt.tif Bperp: 39.4 m delta_T: 112 days

15_ALOS2_ASC_20180130_20190115_350_tflt.tif Bperp: 60.6 m delta_T: 350 days

15_ALOS2_ASC_20180522_20190115_238_tflt.tif Bperp: 21.2 m delta_T: 238 days

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InSAR Sentinel-1 descending orbit

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15_SENT1_DES_20180318_20180330_012_tflt.tif	-0.74490	12.0000
15_SENT1_DES_20180330_20180423_024_tflt.tif	37.26750	24.0000
15_SENT1_DES_20180423_20180505_012_tflt.tif	10.91700	12.0000
15_SENT1_DES_20180505_20180622_048_tflt.tif	-6.41730	48.0000
15_SENT1_DES_20180821_20180914_024_tflt.tif	-54.43280	24.0000
15_SENT1_DES_20181020_20190524_216_tflt.tif	-28.67130	216.0000
15_SENT1_DES_20181125_20181231_036_tflt.tif	31.25940	36.0000
15_SENT1_DES_20181219_20181231_012_tflt.tif	42.85150	12.0000
15_SENT1_DES_20181219_20190623_186_tflt.tif	48.35630	186.0005
15_SENT1_DES_20181225_20181231_006_tflt.tif	-3.46910	5.9995

15_SENT1_DES_20181225_20191226_366_tflt.tif	-56.55960	365.9996
15_SENT1_DES_20190118_20190205_018_tflt.tif	16.18370	17.9995
15_SENT1_DES_20190118_20190211_024_tflt.tif	33.40570	24.0000
15_SENT1_DES_20190205_20190301_024_tflt.tif	41.09730	24.0000
15_SENT1_DES_20190217_20200218_366_tflt.tif	30.29660	366.0006
15_SENT1_DES_20190223_20190828_185_tflt.tif	-64.56110	185.9996
15_SENT1_DES_20190301_20190307_006_tflt.tif	-1.80950	6.0005
15_SENT1_DES_20190301_20190325_024_tflt.tif	-20.69110	24.0000
15_SENT1_DES_20190307_20190325_018_tflt.tif	-18.88160	17.9995
15_SENT1_DES_20190313_20190406_024_tflt.tif	-23.10100	24.0000
15_SENT1_DES_20190406_20190412_006_tflt.tif	9.08240	6.0005
15_SENT1_DES_20190406_20191009_186_tflt.tif	-9.92820	186.0006
15_SENT1_DES_20190512_20190524_012_tflt.tif	4.07860	12.0000
15_SENT1_DES_20190611_20190617_006_tflt.tif	12.71890	5.9995
15_SENT1_DES_20190611_20191208_180_tflt.tif	8.55610	180.0001
15_SENT1_DES_20190623_20190711_018_tflt.tif	35.13280	17.9995
15_SENT1_DES_20190903_20190921_018_tflt.tif	37.40330	17.9995
15_SENT1_DES_20190921_20191009_018_tflt.tif	-66.84210	18.0005
15_SENT1_DES_20191021_20191108_018_tflt.tif	-32.17990	17.9995
15_SENT1_DES_20191108_20191126_018_tflt.tif	-60.40610	18.0005
15_SENT1_DES_20191108_20191202_024_tflt.tif	43.29200	24.0000
15_SENT1_DES_20191126_20191220_024_tflt.tif	76.59240	24.0000
15_SENT1_DES_20191214_20200107_024_tflt.tif	-53.48600	24.0000
15_SENT1_DES_20200206_20200218_012_tflt.tif	43.91900	12.0000

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InSAR Sentinel-1 ascending orbit

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15_SENT1_ASC_20180212_20180320_036_tflt.tif 154.18150 36.0000

15_SENT1_ASC_20180224_20180413_048_tflt.tif -104.67450 48.0000

15_SENT1_ASC_20180224_20180425_060_tflt.tif -25.49390 60.0000

15_SENT1_ASC_20180308_20180320_012_tflt.tif -26.63140 12.0000

15_SENT1_ASC_20180320_20180413_024_tflt.tif -105.75300 24.0000

15_SENT1_ASC_20180320_20180507_048_tflt.tif -39.20360 48.0000

15_SENT1_ASC_20180320_20180519_060_tflt.tif -14.84020 60.0000

15_SENT1_ASC_20180413_20180425_012_tflt.tif 79.18060 12.0000

15_SENT1_ASC_20180425_20180519_024_tflt.tif 11.73220 24.0000

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InSAR Sentinel-1 6/12 days stacking

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10_SENT1_DES_stacking_2018_2019.tif 20180210_20180222 6 days

20180222_20180306 6 days

20180306_20180318 6 days

20180318_20180330 6 days

20180330_20180411 6 days

20180411_20180423 6 days

20180423_20180505 6 days

10_SENT1_ASC_stacking_2018_2019.tif 20180212_20180224 12 days

20180224_20180308 12 days

20180308_20180320 12 days

20180413_20180425 12 days

20180425_20180507 12 days

20180507_20180519 12 days

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InSAR SAOCOM ascending orbit

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15_SAOCOM_ASC_20211102_20211110_008_tflt.tif Bperp: 117.6462 delta_T: 8.00258

15_SAOCOM_ASC_20220513_20220521_008_tflt.tif Bperp: 96.8990 delta_T: 8.00257

15_SAOCOM_ASC_20220825_20220902_008_tflt.tif Bperp: -3.3491 delta_T: 7.99740

15_SAOCOM_ASC_20221129_20221215_016_tflt.tif Bperp: -118.1591 delta_T: 16.00000

15_SAOCOM_ASC_20220825_20220910_016_tflt.tif Bperp: -281.3220 delta_T: 16.00002

15_SAOCOM_ASC_20220902_20220910_008_tflt.tif Bperp: -277.9410 delta_T: 8.00261

15_SAOCOM_ASC_20221121_20221129_008_tflt.tif Bperp: -382.7241 delta_T: 8.00262

15_SAOCOM_ASC_20211118_20211220_032_tflt.tif Bperp: 199.6964 delta_T: 31.99998

15_SAOCOM_ASC_20211118_20211228_040_tflt.tif Bperp: 932.0945 delta_T: 40.00253

15_SAOCOM_ASC_20221121_20221215_024_tflt.tif Bperp: -500.9120 delta_T: 24.00262

15_SAOCOM_ASC_20211220_20220513_144_tflt.tif Bperp: 435.8452 delta_T: 144.00002

15_SAOCOM_ASC_20211228_20220521_144_tflt.tif Bperp: -199.6236 delta_T: 144.00003

15_SAOCOM_ASC_20220513_20221121_192_tflt.tif Bperp: -866.2127 delta_T: 192.00004

15_SAOCOM_ASC_20211118_20221121_368_tflt.tif Bperp: -230.6711 delta_T: 368.00004

15_SAOCOM_ASC_20211102_20221129_392_tflt.tif Bperp: 557.0883 delta_T: 392.00261

15_SAOCOM_ASC_20211110_20221215_400_tflt.tif Bperp: 321.2127 delta_T: 400.00003

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