

Processing Landsat 8 Velocities for Larsen C

□ = Data & Inputs
○ = Script

Landsat IDs
from <http://earthexplorer.usgs.gov/>
See Supplementary Table in Borstad et al.

Download_Prep_L8.ipynb
<http://doi.org/10.5281/zenodo.185651>
<https://github.com/developmentseed/landsat-util>
using Landsat-util

Original Scenes

PyCorr
<http://dx.doi.org/10.1016/j.rse.2015.11.023>

Correlation Vectors
NSIDC Global Land Ice Velocities
See Supplementary Table in Borstad et al.

Subset_pycorr.ipynb
<http://doi.org/10.5281/zenodo.185651>

Cropped Correlation Vectors (tiff)

Larsen_to_nc.m
<http://doi.org/10.5281/zenodo.185651>

Cropped Vectors (netCDF)

Larsen_filter_nc.m
<http://doi.org/10.5281/zenodo.185651>

Filtered Velocity Vectors (netCDF)

Vector Stack Statistics (netCDF)

Larsen_mosaic.m
<http://doi.org/10.5281/zenodo.185651>

Larsen_timeseries.m
<http://doi.org/10.5281/zenodo.185651>

Velocity Mosaics (tiff)

Velocity Timeseries

New Landsat IDs
from <http://earthexplorer.usgs.gov/>
See Supplementary Table in Borstad et al.

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<http://doi.org/10.5281/zenodo.185651>
<https://github.com/developmentseed/landsat-util>
using Landsat-util

New Scenes

PyCorr
<http://dx.doi.org/10.1016/j.rse.2015.11.023>

Correlation Vectors
NSIDC Global Land Ice Velocities
See Supplementary Table in Borstad et al.

Notebook: subset_pycorr
<http://doi.org/10.5281/zenodo.185651>

Cropped Correlation Vectors (tiff)

Larsen_update_nc.m
<http://doi.org/10.5281/zenodo.185651>

Updated, Filtered Vectors (netCDF)

New Vector Stack Statistics (netCDF)

Larsen_mosaic.m
<http://doi.org/10.5281/zenodo.185651>

Larsen_timeseries.m
<http://doi.org/10.5281/zenodo.185651>

Updated Velocity Mosaics (tiff)

Updated Velocity Timeseries