|  |  |  |
| --- | --- | --- |
| 2015 | 2016 | |
|  | S1A\_IW\_GRDH\_1SDV\_20160112 | |
| S1A\_IW\_GRDH\_1SDH\_20150129 | S1A\_IW\_GRDH\_1SDV\_20160124 | |
| S1A\_IW\_GRDH\_1SDV\_20150210 | S1A\_IW\_GRDH\_1SDV\_20160205 | |
| S1A\_IW\_GRDH\_1SDV\_20150318 | S1A\_IW\_GRDH\_1SDV\_20160217 | |
| S1A\_IW\_GRDH\_1SDV\_20150330 | S1A\_IW\_GRDH\_1SDV\_20160229 | |
| S1A\_IW\_GRDH\_1SDV\_20150423 | S1A\_IW\_GRDH\_1SDV\_20160312 | |
| S1A\_IW\_GRDH\_1SDV\_20150505 | S1A\_IW\_GRDH\_1SDV\_20160324 | |
| S1A\_IW\_GRDH\_1SDV\_20150517 | S1A\_IW\_GRDH\_1SDV\_20160405 | |
| S1A\_IW\_GRDH\_1SDV\_20150529 | S1A\_IW\_GRDH\_1SDV\_20160417 | |
| S1A\_IW\_GRDH\_1SDV\_20150610 | S1A\_IW\_GRDH\_1SDV\_20160429 | |
| S1A\_IW\_GRDH\_1SDV\_20150622 | S1A\_IW\_GRDH\_1SDV\_20160511 | |
| S1A\_IW\_GRDH\_1SDV\_20150704 | S1A\_IW\_GRDH\_1SDV\_20160523 | |
| S1A\_IW\_GRDH\_1SDV\_20150716 | S1A\_IW\_GRDH\_1SDV\_20160604 | |
| S1A\_IW\_GRDH\_1SDV\_20150728 | S1A\_IW\_GRDH\_1SDV\_20160628 | |
| S1A\_IW\_GRDH\_1SDV\_20150809 | S1A\_IW\_GRDH\_1SDV\_20160722 | |
| S1A\_IW\_GRDH\_1SDV\_20150821 | S1A\_IW\_GRDH\_1SDV\_20160803 | |
| S1A\_IW\_GRDH\_1SDV\_20150902 | S1A\_IW\_GRDH\_1SDV\_20160815 | |
| S1A\_IW\_GRDH\_1SDV\_20150914 | S1A\_IW\_GRDH\_1SDV\_20160827 | |
| S1A\_IW\_GRDH\_1SDV\_20150926 | S1A\_IW\_GRDH\_1SDV\_20160908 | |
| S1A\_IW\_GRDH\_1SDV\_20151008 | S1A\_IW\_GRDH\_1SDV\_20161002 | |
| S1A\_IW\_GRDH\_1SDV\_20151020 | S1A\_IW\_GRDH\_1SDV\_20161014 | |
| S1A\_IW\_GRDH\_1SDV\_20151101 | S1A\_IW\_GRDH\_1SDV\_20161026 | |
| S1A\_IW\_GRDH\_1SDV\_20151113 | S1A\_IW\_GRDH\_1SDV\_20161107 | |
| S1A\_IW\_GRDH\_1SDV\_20151125 | S1A\_IW\_GRDH\_1SDV\_20161119 | |
| S1A\_IW\_GRDH\_1SDV\_20151207 | S1A\_IW\_GRDH\_1SDV\_20161201 | |
| S1A\_IW\_GRDH\_1SDV\_20151219 | S1A\_IW\_GRDH\_1SDV\_20161213 | |
| S1A\_IW\_GRDH\_1SDV\_20151231 | S1A\_IW\_GRDH\_1SDV\_20161225 | |
|  | | |
| **2017** | | **2018** |
|  | S1A\_IW\_GRDH\_1SDV\_20180101 | |
| S1A\_IW\_GRDH\_1SDV\_20170106 | S1A\_IW\_GRDH\_1SDV\_20180113 | |
| S1A\_IW\_GRDH\_1SDV\_20170118 | S1A\_IW\_GRDH\_1SDV\_20180125 | |
| S1A\_IW\_GRDH\_1SDV\_20170211 | S1A\_IW\_GRDH\_1SDV\_20180206 | |
| S1A\_IW\_GRDH\_1SDV\_20170223 | S1A\_IW\_GRDH\_1SDV\_20180218 | |
| S1A\_IW\_GRDH\_1SDV\_20170307 | S1A\_IW\_GRDH\_1SDV\_20180302 | |
| S1A\_IW\_GRDH\_1SDV\_20170319 | S1A\_IW\_GRDH\_1SDV\_20180314 | |
| S1A\_IW\_GRDH\_1SDV\_20170331 | S1A\_IW\_GRDH\_1SDV\_20180326 | |
| S1A\_IW\_GRDH\_1SDV\_20170412 | S1A\_IW\_GRDH\_1SDV\_20180407 | |
| S1A\_IW\_GRDH\_1SDV\_20170424 | S1A\_IW\_GRDH\_1SDV\_20180419 | |
| S1A\_IW\_GRDH\_1SDV\_20170506 | S1A\_IW\_GRDH\_1SDV\_20180501 | |
| S1A\_IW\_GRDH\_1SDV\_20170518 | S1A\_IW\_GRDH\_1SDV\_20180513 | |
| S1A\_IW\_GRDH\_1SDV\_20170530 | S1A\_IW\_GRDH\_1SDV\_20180525 | |
| S1A\_IW\_GRDH\_1SDV\_20170611 | S1A\_IW\_GRDH\_1SDV\_20180606 | |
| S1A\_IW\_GRDH\_1SDV\_20170623 | S1A\_IW\_GRDH\_1SDV\_20180618 | |
| S1A\_IW\_GRDH\_1SDV\_20170705 | S1A\_IW\_GRDH\_1SDV\_20180630 | |
| S1A\_IW\_GRDH\_1SDV\_20170717 | S1A\_IW\_GRDH\_1SDV\_20180712 | |
| S1A\_IW\_GRDH\_1SDV\_20170729 | S1A\_IW\_GRDH\_1SDV\_20180724 | |
| S1A\_IW\_GRDH\_1SDV\_20170810 | S1A\_IW\_GRDH\_1SDV\_20180805 | |
| S1A\_IW\_GRDH\_1SDV\_20170822 | S1A\_IW\_GRDH\_1SDV\_20180817 | |
| S1A\_IW\_GRDH\_1SDV\_20170903 | S1A\_IW\_GRDH\_1SDV\_20180829 | |
| S1A\_IW\_GRDH\_1SDV\_20170915 | S1A\_IW\_GRDH\_1SDV\_20180910 | |
| S1A\_IW\_GRDH\_1SDV\_20170927 | S1A\_IW\_GRDH\_1SDV\_20180922 | |
| S1A\_IW\_GRDH\_1SDV\_20171009 | S1A\_IW\_GRDH\_1SDV\_20181004 | |
| S1A\_IW\_GRDH\_1SDV\_20171021 | S1A\_IW\_GRDH\_1SDV\_20181016 | |
| S1A\_IW\_GRDH\_1SDV\_20171102 | S1A\_IW\_GRDH\_1SDV\_20181028 | |
| S1A\_IW\_GRDH\_1SDV\_20171114 | S1A\_IW\_GRDH\_1SDV\_20181109 | |
| S1A\_IW\_GRDH\_1SDV\_20171126 | S1A\_IW\_GRDH\_1SDV\_20181121 | |
| S1A\_IW\_GRDH\_1SDV\_20171208 | S1A\_IW\_GRDH\_1SDV\_20181203 | |
| S1A\_IW\_GRDH\_1SDV\_20171220 | S1A\_IW\_GRDH\_1SDV\_20181215 | |
|  | S1A\_IW\_GRDH\_1SDV\_20181227 | |

**Table S2**. Satellite image acquisitions distributed across 2015 - 2018 to derive representative glacier velocities. Image names follow European Space Agency naming convention to identify satellite instrument (S1A or S1B), mode (IW= The Interferometric Wide swath), product type (GRD = Ground Range Detected), resolution class (H = high), processing level (1), product class (S=standard), polarization (DV = Dual HH+HV or DH= VV+VH) and date of acquisition (YYYY-MM-DD).