

# Accessing Sentinel-1 Data for Interferometry

1. **Go to the Alaska Satellite Facility Sentinel Data Portal:** <https://search.asf.alaska.edu/>
  - **Identify the area** (-121.463489 35.88952, -121.388017 35.88952, -121.388017 35.821763, -121.463489 35.821763) **and dates** (2016-04-12, 2016-05-6) of interest (Mud Creek landslide, California, USA)
    1. Identify images of interest (Sentinel-1 A/B)
    2. Click More>Additional Filters>File Type> "L1 Single Look Complex (SLC)"
    3. Click More>Additional Filters>Direction> "Descending"
    4. Click **Search**
    5. Select Granule:  
S1A\_IW\_SLC\_\_1SSV\_20160412T140755\_20160412T140823\_010789\_0101FE\_956F-SLC
    6. Download the L1 Single Look Complex (SLC) (2.01 GB) Product
    7. Similarly download SLC for Granule:  
S1A\_IW\_SLC\_\_1SSV\_20160506T140756\_20160506T140824\_011139\_010CD3\_980D-SLC

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The screenshot displays the NASA Earthdata ASF Data Search interface. At the top, the NASA logo and 'EARTHDATA' are visible, along with a 'Feedback' link. The search bar includes the following fields: Search Type (Geographic), Dataset (Sentinel-1), Area of Interest (-121.463489 3E), Start Date (4/12/2016), and End Date (5/6/2016). A 'SEARCH' button and a 'Clear' button are also present. Below the search bar, it indicates '250 of 3 Files' and 'File Types: SLC, Flight Dir: Descending'. The main area shows a satellite image with a red rectangular area of interest and a yellow square marker. Below the image, there is a 'Results' dropdown menu. The results section shows '3 Scenes (3 of 3 Files)' and '1 File'. The first scene is 'S1A\_IW\_SLC\_1SSV...980D' from May 6, 2016. The second scene is 'S1A\_IW\_SLC\_1SDV...3089' from Apr. 24, 2016. The third scene is 'S1A\_IW\_SLC\_1SSV...956F' from Apr. 12, 2016. The details for the selected scene 'S1A\_IW\_SLC\_1SSV...956F' are shown, including 'Sentinel-1 - C-Band', 'Aquisition Date - Apr. 12, 2016', 'Beam Mode - IW', 'Path - 42', 'Frame - 472', and 'Flight Direction - DESCENDING'. The file size is '2.07 GB'.