Title: Dronning Maud Land ice shelf front positions from August 2012 to December 2013

Summary: This dataset provides Dronning Maud Land ice shelf front positions in August 2012, February 2013, March 2013, August 2013, October 2013 and December 2013 determined using Radarsat2’s ScanSAR narrow imagery. The area extent goes from 5 W to 34 E. The front position has been digitized by human operator using QGIS digitizing features.
To determine the front position in each occasion, images taken over about two weeks were used. Data are provided in shapefile format. In each shapefile, the front position is represented by numerous line segments. Individual segments have following attributes:

1. Date at which the image was taken (attributes “year”,”month”,”day”)
2. Qualitative measure of the position uncertainty (attribute “quality”, number can be 0 or 1). If the quality is 1, the front position is confidently determined. If the quality is 0, the front position is poorly determined. These quality indicators are assigned qualitatively by the operator.

Each file is named after the occasion at which the imagery was acquired. For example the ice shelves front position in February 2013 is stored in IS\_front\_2013\_2.shp .