

Supplemental data table for Bartholomaeus et al., 2016, Contrasts in the response of adjacent fjords and glaciers to ice sheet surface melt in West Greenland, Annals of Glaciology, 57(73), doi: 10.1017/aog.2016.19

Table S1: Data products used in figures

Figure number	Data Product	Product Description	Product Reference	Product Use
Figure 1	bed topography		Morlighem et al., 2014	visual display
Figure 1	bathymetry	new data merged w/ reference	Dowdeswell et al., 2014	visual display
Figure 1	ice velocity	2007-2008 winter InSAR	Joughin et al., 2010	visual display
Figure 5	ice velocity	Landsat and TSX	see Table S2	visual display
Figure 6 & 7	ice velocity	2008-2009 composite	Rignot and Mouginot, 2012	force balance calculation
Figure 6 & 7	bed topography	mass conserving bed	Morlighem et al., 2014	force balance calculation
Figure 6 & 7	surface elevation	merged stereo. and photocl.	Howat et al., 2014	force balance calculation
Figure 6 & 7	ice velocity	2007-2008 winter InSAR	Joughin et al., 2010	ISSM inversion
Figure 6 & 7	bed topography	mass conserving bed	Morlighem et al., 2014	ISSM inversion
Figure 6 & 7	surface elevation	merged stereo. and photocl.	Howat et al., 2014	ISSM inversion

Table S2: Imagery used to derive ice velocity in Figure 5

Image1	Image2	Sensor	Glacier
2/1/13	2/12/13	TSX	KS, RI
4/23/13	5/29/13	Landsat	KS, RI
4/30/13	5/11/13	TSX	KS, RI
6/24/13	7/5/13	TSX	KS, RI
7/5/13	7/16/13	TSX	KS, RI
7/16/13	7/27/13	TSX	KS, RI
7/27/13	8/18/13	TSX	KS, RI
8/18/13	8/29/13	TSX	KS, RI
11/3/13	11/14/13	TSX	KS, RI
11/14/13	12/6/13	TSX	KS, RI
12/6/13	12/17/13	TSX	KS, RI
12/17/13	12/28/13	TSX	KS, RI
12/28/13	1/8/14	TSX	KS, RI
1/8/14	1/19/14	TSX	KS, RI
1/19/14	1/30/14	TSX	KS, RI
3/2/14	3/18/14	Landsat	KS, RI
4/10/14	5/5/14	Landsat	KS, RI
4/28/14	5/31/14	TSX	KS, RI
5/5/14	6/13/14	Landsat	KS, RI
5/31/14	7/3/14	TSX	KS, RI
7/3/14	7/25/14	TSX	KS, RI
7/25/14	8/5/14	TSX	KS, RI
8/5/14	8/16/14	TSX	KS, RI
8/16/14	8/27/14	TSX	KS, RI
8/27/14	9/7/14	TSX	KS, RI
9/7/14	9/18/14	TSX	KS, RI
9/17/14	10/3/14	Landsat	KS, RI
4/23/13	5/18/13	Landsat	UI
5/18/13	5/29/13	Landsat	UI
6/19/13	6/30/13	TSX	UI
6/30/13	7/22/13	TSX	UI
7/22/13	8/2/13	TSX	UI
9/15/13	10/7/13	TSX	UI
10/7/13	10/29/13	TSX	UI
10/29/13	11/20/13	TSX	UI
11/20/13	12/12/13	TSX	UI
12/12/13	1/3/14	TSX	UI
3/2/14	4/3/14	Landsat	UI
5/4/14	5/26/14	TSX	UI
5/26/14	6/17/14	TSX	UI
6/17/14	7/9/14	TSX	UI
7/9/14	7/31/14	TSX	UI
7/31/14	8/11/14	TSX	UI
8/11/14	8/22/14	TSX	UI
9/17/14	10/3/14	Landsat	UI