



Figure S1. Components and set-up of Skywalker X8 UAV used in this study.

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**Table S1.** List of flights used to produce data in this study. ‘Time’ refers to the local time (West Greenland Summer Time) at the flight midpoint. Flight locations are shown in Figure 1c.

<b>Location</b>	<b>Date</b>	<b>Time</b>
<b>Calving Front</b>	2017-07-10	12:33
	2017-07-10	18:45
	2017-07-11	10:20
	2017-07-11	16:50
	2017-07-11	22:06
	2017-07-12	10:08
	2017-07-12	16:18
	2017-07-12	22:17
	2017-07-13	10:15
	2017-07-14	22:03
<b>Downstream</b>	2017-07-22	15:22
<b>Transverse</b>	2017-07-26	09:34
<b>Upstream</b>	2017-07-22	21:35
<b>Longitudinal</b>	2017-07-26	11:26
<b>Downstream</b>	2017-07-22	14:24
<b>Longitudinal</b>	2017-07-26	08:43