





Table S2. Detail of the 40 S1 SAR interferometric pairs. Dates are in YYYY/MM/DD format. Blue diamond indicates the pre-storm image pairs and orange diamond indicates the storm image pairs. For those dates with both ascending and descending orbit images, the two perpendicular baselines are presented respectively.

Image 1	Image 2	Btemp [d]	Orbit type	B _L [m]
2016/06/01	2016/06/13	12	ASC	63.22
2016/07/19	2016/07/31	12	ASC	36.17
2016/09/05	2016/09/17	12	ASC	81.94
2016/07/01	2016/07/13	12	DESC	67.22
2016/07/25	2016/08/06	12	DESC	42.08
2016/09/11	2016/09/23	12	DESC	50.67
2016/10/29	2016/11/10	12	ASC / DESC	100.12 / 120.77
2016/12/16	2016/12/28	12	ASC / DESC	53.04 / 39.64
2017/02/02	2017/02/14	12	ASC / DESC	21.39 / 37.91
2017/03/04	2017/03/10	6	ASC / DESC	20.46 / 35.43
2017/04/03	2017/04/09	6	ASC / DESC	9.07 / 117.73
2017/05/03	2017/05/09	6	ASC / DESC	66.74 / 10.44
2017/06/08	2017/06/14	6	ASC / DESC	29.23 / 98.31
2017/07/08	2017/07/14	6	ASC / DESC	85.81 / 66.68
2017/08/07	2017/08/13	6	ASC / DESC	74.19 / 72.90
2017/09/06	2017/09/12	6	ASC / DESC	182.49 / 21.64
2017/10/06	2017/10/12	6	ASC / DESC	143.92 / 41.81
2017/11/05	2017/11/11	6	ASC / DESC	58.77 / 86.09
2017/12/05	2017/12/11	6	ASC / DESC	134.45 / 103.29
2018/01/04	2018/01/10	6	ASC / DESC	51.32 / 17.95
2018/02/03	2018/02/09	6	ASC / DESC	13.02 / 60.81
2018/02/21 	2018/02/27 	6	ASC / DESC	35.84 / 134.49
2018/02/27 	2018/03/05 	6	ASC / DESC	37.47 / 32.95