

Master	Slave	Sensor	Separation (days)	Pixel size (m)	Uncertainty (m a <sup>-1</sup> )
M1160035_03519721117	M2160035_03519751111	MSS	1089	60	15
M2160035_03519751111	M2160035_03519770802	MSS	630	60	26
M3160035_03519780719	M3160035_03519790714	MSS	360	60	76
M2160035_03519790406	M3160035_03519790626	MSS	81	60	338
M3160035_03519790626	M3160035_03519790819	MSS	54	60	304
M3160035_03519790714	M3160035_03519790819	MSS	36	60	456
M3160035_03519790714	M3160035_03519790906	MSS	54	60	507
11992778605060552231X0	11992778606270552291X0	HRV	52	20	88

Table S1: Image pairs used in feature tracking and their estimated uncertainty. Uncertainty calculations are based on estimated co-registration errors (0.5 – 1.0 pixels) and an algorithm precision of 0.25 pixels accounting for the coarse representation of surface features in the MSS imagery.