

Effects of external DEM inaccuracy on StaMPS-PS processing: A case study in Shenzhen, China

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Table S1 The parameters of the selected TerraSAR-X images

Orbit	Acquisition time	Perpendicular baseline(m)	Incident Angle(°)	Acquisition time	Perpendicular baseline(m)	Incident Angle(°)
51	20081025	-157	37.32	20091114	46	37.35
51	20081116	18	37.33	20091125	-80	37.35
51	20081127	-96	37.30	20091206	-93	37.35
51	20081208	-98	37.32	20091217	9	37.35
51	20090110	65	37.32	20100406	15	37.35
51	20090121	-1	37.32	20100611	15	37.35
51	20090201	-79	37.32	20100622	78	37.34
51	20090223	-135	37.35	20100703	138	37.34
51	20090306	-52	37.35	20100714	78	37.34
51	20090317	50	37.35	20100725	228	37.34
51	20090430	51	37.34	20100805	-94	37.35
51	20090511	30	37.35	20100816	-61	37.35
51	20090522	26	37.35	20100907	-25	37.35
51	20090602	-10	37.35	20100918	-195	37.35
51	20090624	227	37.34	20100929	139	37.34
51	20090705	106	37.34	20101010	49	37.33
51	20090716	-43	37.35	20101021	587	37.29
51	20090727	-2	37.35	20101101	99	37.34
51	20091001	113	37.34	20101112	-34	37.35
51	20091012	-142	37.35	20101204	602	37.29
51	20091023	0	37.35	20101215	641	37.29
51	20091103	-105	37.35	20101226	-14	37.35

Table S2 The parameters of the selected ASAR images

Track	Acquisition time	Perpendicular baseline(m)	Incident Angle(°)
175	20070624	-88	22.82
175	20070729	-154	22.83
175	20070902	21	22.84
175	20071007	-207	22.83
175	20071111	49	22.83
175	20071216	-234	22.83
175	20080120	-244	22.82
175	20080224	-312	22.83
175	20080330	94	22.84
175	20080504	-120	22.84
175	20080608	31	22.82
175	20080713	136	22.83
175	20080817	-40	22.84
175	20080921	-212	22.82
175	20081026	-8	22.82
175	20081130	-169	22.84
175	20090104	0	22.83
175	20090208	-252	22.81
175	20090315	350	22.84
175	20090419	-195	22.85
175	20090524	-12	22.83
175	20090628	119	22.82
175	20090802	-154	22.84
175	20090906	93	22.83
175	20091115	88	22.83
175	20091220	-184	22.83
175	20100124	148	22.81
175	20100228	-299	22.83
175	20100404	185	22.85
175	20100509	134	22.83
175	20100613	108	22.82
175	20100718	-151	22.84
175	20100822	-227	22.84
175	20100926	12	22.82

Table S3 The parameters of the selected ALOS/PALSAR images

Path	Frame	Acquisition time	Perpendicular baseline(m)	Incident Angle(°)
459	440	20061222	-756	38.74
459	440	20070206	-40	38.74
459	440	20070624	314	38.74
459	440	20070809	450	38.74
459	440	20071225	594	38.74
459	440	20080209	1327	38.74
459	440	20080511	1719	38.74
459	440	20080626	181	38.74
459	440	20080926	-1175	38.73
459	440	20081111	-1025	38.73
459	440	20081227	-1063	38.73
459	440	20090211	-548	38.73
459	440	20090629	-176	38.74
459	440	20090814	-327	38.74
459	440	20090929	0	38.73
459	440	20091114	140	38.74
459	440	20091230	428	38.74
459	440	20100214	764	38.74
459	440	20100517	870	38.74
459	440	20100702	1150	38.74
459	440	20101002	1438	38.74
459	440	20101117	971	38.75
459	440	20110102	1518	38.75