

**Table S1.** Computers, Main characteristics of UAV Photogrammetric data acquisitions, and Settings used in Agisoft Metashape software (version 1.6.2).

Computing hardware				
	Node	CPU	RAM	GPU
Field processing	Host	AMD Ryzen 7 5800H with Radeon Graphics 3.20 GHz	16 GB DDR4	AMD Radeon (TM) Graphics (gfx902) NVIDIA GeForce RTX 3060
Indoor processing	Host	Intel(R) Core (TM) i7-7700K CPU @ 4.20GHz 4.20 GHz	32 GB DDR4	GeForce GTX 1070 (15 compute units @ 1835 MHz 8192 MB) Intel(R) HD Graphics 630
Basic information				
	Number of images	Area coverage	Flight height	GSD
1	578	399000m <sup>2</sup>	130m	3.85 cm
2	193	9210m <sup>2</sup>	30m	0.89 cm
Photoalignment parameters				
	Accuracy	Reference preselection	Key Point limit	Tie Point limit
1	High	Source	40000	1000
2	Ultra-high	Source	40000	2000
Optimization				
	Camera accuracy	Marker accuracy	Scale bar accuracy	Tie point accuracy
1	10m	5m	0.001m	1pixel
2	1m	5m	0.001m	1pixel
Build Dense Cloud				
	Quality	Depth filtering		
1	Lowest and High	Moderate		
2	High	Moderate		

Note: CPU-Central Processing Unit; RAM: Random Access Memory; GPU: Graphics Processing Unit; 1-the first flight mission; 2-the second flight mission; Lowest and High: lowest quality for real-time processing in the field, and high quality for indoor reprocessing.