

Attachment

Table S1. Vertical offset measurement points

Location	Longitude	Latitude	Vertical Offset/m	Offset Error/m	Longitude	Latitude	vertical Offset/m	Offset Error/m
Kekejin	92.8591	43.3525	0.39	0.02	92.8543	43.3547	0.59	0.04
	92.8585	43.3531	0.78	0.01	92.8538	43.3548	0.45	0.01
	92.8577	43.3538	0.7	0.07	92.8538	43.3532	0.23	0.01
	92.8556	43.3545	0.59	0.03	92.8494	43.3553	0.25	0.01
	92.8554	43.3529	0.23	0.04	92.8489	43.3553	0.13	0.03
Daipuseke Bulak	92.8019	43.3747	0.9	0.1	92.7790	43.3782	0.7	0.1
	92.8003	43.3753	0.5	0.1	92.7775	43.3779	0.6	0.1
	92.7999	43.3758	0.45	0.01	92.7769	43.3782	0.7	0.1
	92.7871	43.3784	0.6	0.01	92.7732	43.3781	0.8	0.1
	92.7858	43.3781	0.6	0.01	92.7645	43.3808	1.5	0.2
	92.7834	43.3781	0.7	0.1	92.7632	43.3810	1.3	0.2
	92.7828	43.3781	0.8	0.1	92.7629	43.3811	1.3	0.2
	92.7796	43.3784	0.9	0.1	92.6996	43.3793	0.8	0.1
Liushugou	92.7047	43.3785	2.13	0.03	92.6988	43.3795	0.4	0.05
	92.7028	43.3791	0.6	0.1	92.6974	43.3806	0.6	0.1
	92.7022	43.3792	0.6	0.1	92.6951	43.3804	0.6	0.1
	92.7011	43.3792	0.7	0.1	92.6593	43.3804	0.4	0.1
	92.7003	43.3792	0.56	0.05	92.6279	43.3943	0.17	0.03
Wuzun Bulake	92.6341	43.3952	0.39	0.02	92.6273	43.3938	0.15	0.05
	92.6319	43.3949	0.28	0.05	92.6271	43.3938	0.17	0.03
	92.6315	43.3949	0.25	0.01	92.6270	43.3945	0.38	0.13
	92.6313	43.3949	0.32	0.06	92.6269	43.3939	0.19	0.02
	92.6311	43.3949	0.25	0.01	92.6266	43.3938	0.4	0.24
	92.6308	43.3951	0.25	0.12	92.6265	43.3934	0.38	0.12
	92.6307	43.3949	0.33	0.08	92.6263	43.3934	0.28	0.07
	92.6284	43.3944	0.32	0.02	92.6249	43.3923	0.38	0.05

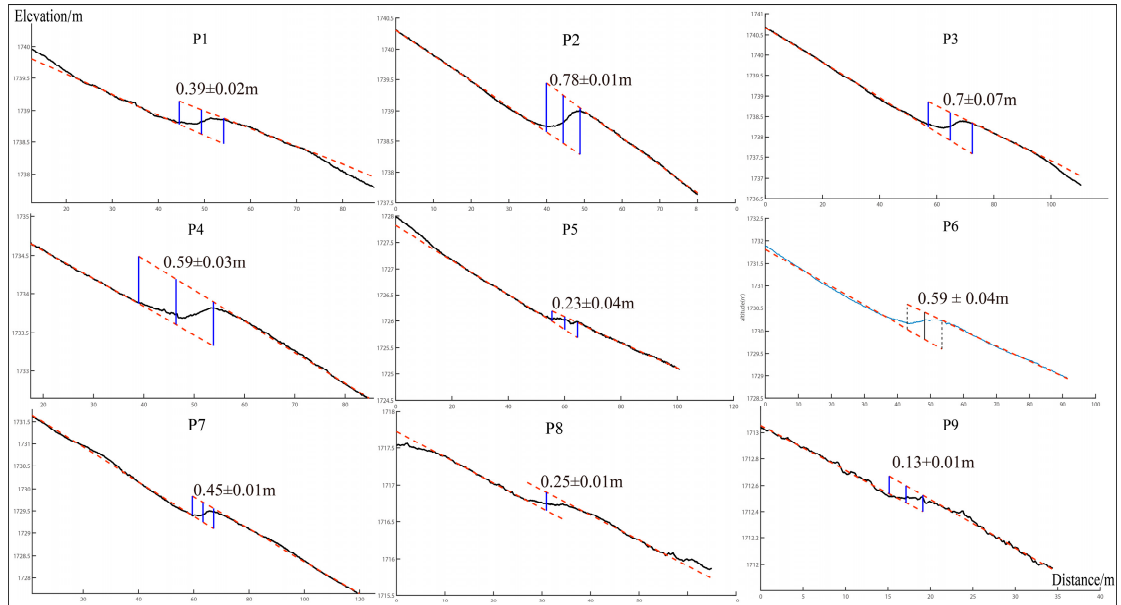


Figure S1. Typical scarp profiles of the seismic rupture zone in Kekejin segment

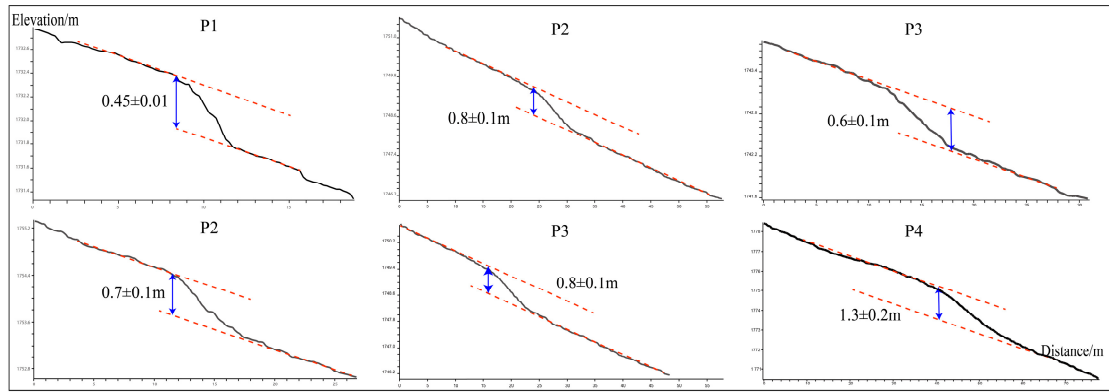


Figure S2. Typical scarp profiles of the seismic rupture zone in Daipuseke Bulake segment

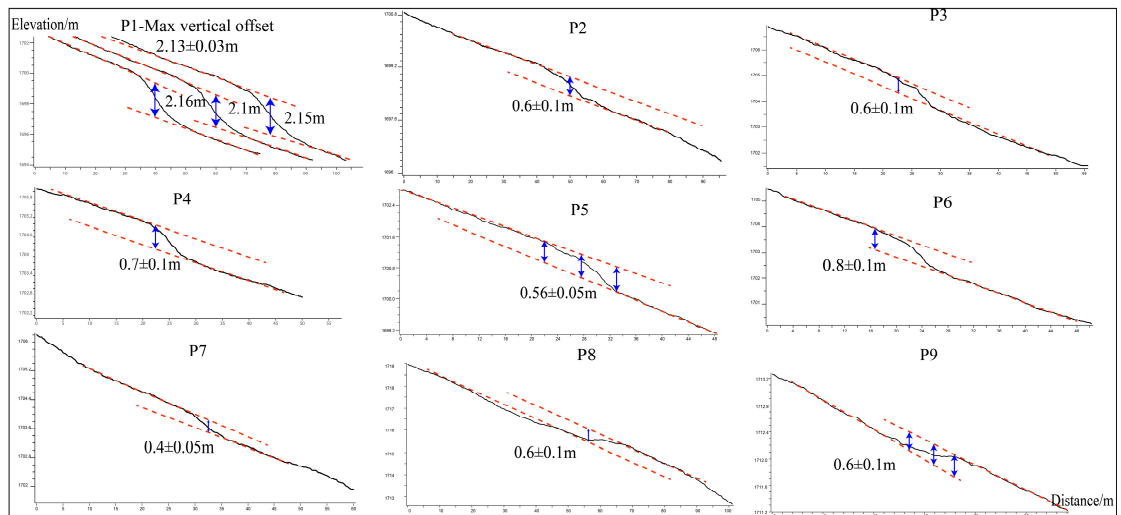


Figure S3. Typical scarp profiles of the seismic rupture zone in Liushugou segment

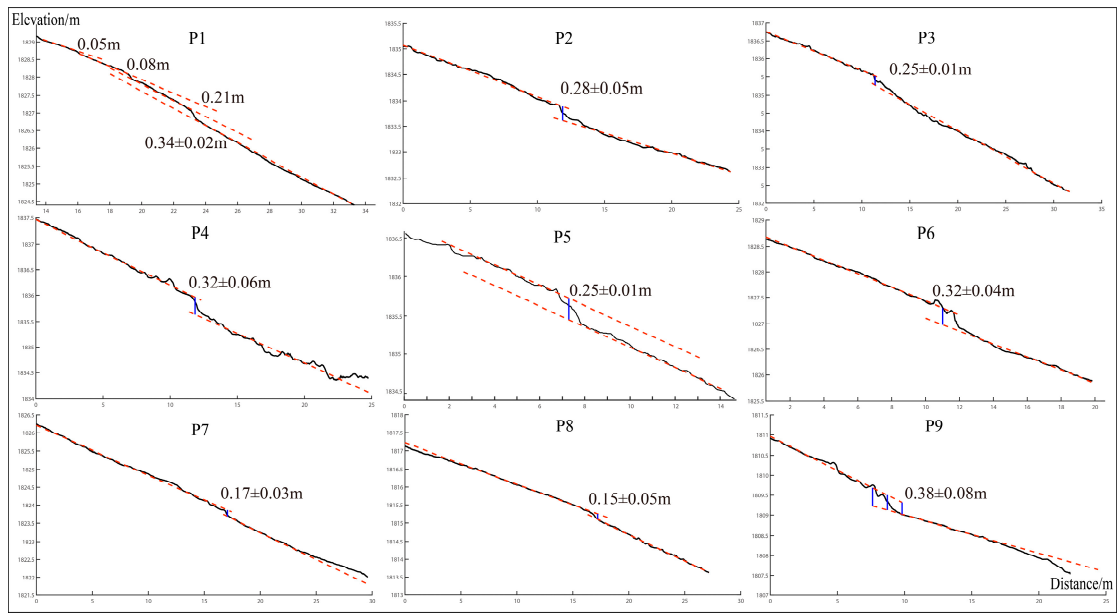


Figure S4. Typical scarp profiles of the seismic rupture zone in Wuzun Bulake segment