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780-760 Ma 735 Ma 825-800 Ma 2

735 Ma 60-615 Ma

[7,12] 30 Ma

Hf - Pb 650-615 Ma

Rod

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TTG Zhu 650-

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 650-615Ma basic dykes
 and composite
 Quruqtagh area c

Fig. 2 U - Pb concordia diagram of zircons from Neoproterozoic granite and granodiorite in Quruqtagh area, Xinjiang

Bi— Hb— Pl— Or—

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U-Th-Pb

Table 1 U-Th-Pb isotopic data of zircons from Neoproterozoic K-feldspar granite and granodiorite in Quruqtagh area

	Th	U	Th/U	$^{206}\text{Pb}/^{238}\text{U}$	/%	$^{207}\text{Pb}/^{235}\text{U}$	/%	$^{206}\text{Pb}/^{238}\text{U}$	1	^{207}Pb
	/10 ⁶							/Ma		
2009KR015										
1	413	427	0.97	0.1031	0.44	0.8624	1.08	632	3	632
2	331	418	0.79	0.1016	0.43	0.8450	1.56	624	3	632
3	127	219	0.58	0.1028	0.48	0.8510	1.60	631	3	632
4	355	359	0.99	0.1030	0.63	0.8714	1.38	632	4	632
5	154	168	0.91	0.1029	0.70	0.8553	2.16	632	4	632
6	377	386	0.98	0.1030	0.72	0.8709	1.31	632	5	632
7	312	357	0.87	0.1026	0.76	0.8689	1.41	629	5	632
8	147	169	0.87	0.1025	0.82	0.8425	2.09	629	5	632
9	167	193	0.87	0.1024	0.85	0.8662	2.43	628	5	632
10	198	263	0.75	0.1023	0.89	0.8635	1.49	628	6	632
11	194	208	0.93	0.1028	0.66	0.8720	1.76	631	4	632
12	388	416	0.93	0.1025	0.54	0.8695	1.10	629	3	632
13	289	325	0.89	0.1021	0.74	0.8646	1.28	626	5	632
14	251	309	0.81	0.1024	0.76	0.8735	1.37	629	5	632
15	136	194	0.70	0.1033	0.57	0.8577	1.58	634	4	632
16	320	348	0.92	0.1035	0.54	0.8729	1.11	635	3	632
17	117	168	0.70	0.1032	0.56	0.8730	2.01	633	4	632
18	242	303	0.80	0.1038	0.59	0.8763	1.12	636	4	632
19	304	368	0.83	0.1028	0.62	0.8721	1.18	631	4	632
20	408	428	0.95	0.1030	0.49	0.8674	1.07	632	3	632
21	995	1404	0.71	0.1022	0.63	0.8704	0.92	627	4	632
22	258	256	1.01	0.1019	0.56	0.8631	2.50	626	4	632
23	272	304	0.90	0.1021	0.54	0.8609	2.51	627	3	632
2009KR016										
1	310	411	0.76	0.1020	0.65	0.8616	1.04	626	4	632
2	172	190	0.91	0.1032	0.65	0.8703	1.87	633	4	632
3	750	834	0.90	0.1028	0.74	0.8779	0.88	631	5	640
4	287	357	0.80	0.1030	0.60	0.8785	1.02	632	4	640
5	434	585	0.74	0.1038	0.56	0.8771	0.88	636	4	639
6	845	788	1.07	0.1030	0.60	0.8795	0.84	632	4	641
7	102	752	1.36	0.1033	0.60	0.8732	0.86	634	4	637
8	702	638	1.10	0.1028	0.69	0.8642	0.89	631	4	632
9	969	849	1.14	0.1031	0.52	0.8707	0.85	633	3	636
10	782	825	0.95	0.1030	0.48	0.8624	0.82	632	3	631
11	687	718	0.96	0.1027	0.45	0.8619	0.86	630	3	631
12	1061	1016	1.04	0.1029	0.40	0.8647	0.80	631	3	633
13	451	641	0.70	0.1028	0.47	0.8638	0.88	631	3	632
14	107	154	0.69	0.1024	0.52	0.8669	2.14	628	3	634
15	287	321	0.89	0.1026	0.54	0.8731	1.35	630	3	637
16	528	573	0.92	0.1027	0.49	0.8653	0.92	630	3	633
17	717	609	1.18	0.1024	0.39	0.8640	0.95	629	2	632
18	392	558	0.70	0.1025	0.39	0.8621	1.02	629	2	631
19	2273	1709	1.33	0.1026	0.40	0.8671	0.80	630	3	634
20	925	902	1.02	0.1025	0.39	0.8660	0.85	629	2	633
21	600	578	1.04	0.1028	0.46	0.8725	0.95	631	3	637
22	4081	2256	1.81	0.1027	0.45	0.8680	0.78	630	3	634
23	937	989	0.95	0.0975	0.46	0.8093	0.82	600	3	602
24	510	494	1.03	0.1029	0.49	0.8680	1.00	631	3	635

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Hf

Hf

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la

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U [101]

Zh [21]

U-PI

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Zhu [21]

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S U- P U- P

740Ma 25Ma 3 Ma 740-600 Ma

Zhu [7] U- P

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