

1 2

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210016  
300170

210016  
300170

Pb 630.1±1.3Ma U - Pb 630.6±1.3Ma Hf 650-615Ma 2

Rodinia

P534.3 P597.1 U - Pb Hf A 1671- 2552 2014 05- 0606- 08

C L, Ye X T, Li H K. The latest Neoproterozoic igneous activity on the northern margin of the Tarim Craton. *Geological Bulletin of China*, 2014, 33(5):606-613

Abst

Tarim

margin

Bas

roc

ia

q

h

T

1988

33 5

825-800 Ma  
780-760 Ma 735 Ma -65 Ma 2  
735 Ma

60-615 Ma

[7,12] 30 Ma

Hf - Pb 650-615 Ma

Rod

740 Ma  
Rodinia

[13]

1

[14] 630 Ma

TTG  
Zhu  
650-

20

35%



1

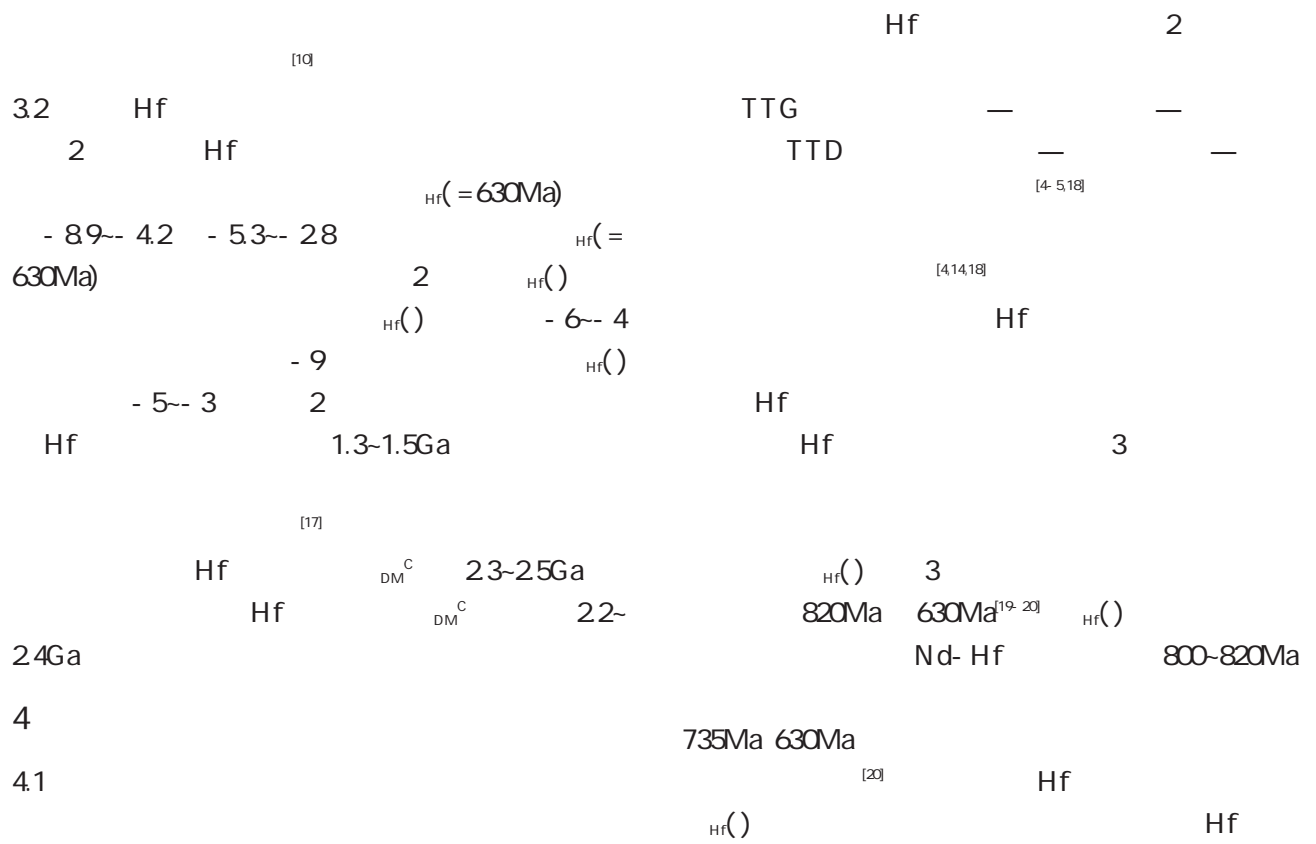
**Table 1 U-Th-Pb isotopic data for K-feldspar granite samples**

	Th	U	Th/U	<sup>206</sup> Pb/ <sup>238</sup> U	ε <sub>206</sub>	ε <sub>207</sub>
	/10 <sup>6</sup>					
009KR015						
1	413	427	0.97	0.1031	0.44	0.00
2	331	418	0.79	0.1016	0.43	0.00
3	127	219	0.58	0.1028	0.48	0.00
4	355	359	0.99	0.1030	0.63	0.00
5	154	168	0.91	0.1029	0.70	0.00
6	377	386	0.98	0.1030	0.72	0.00
7	312	357	0.87	0.1026	0.76	0.00
8	147	169	0.87	0.1025	0.82	0.00
9	167	193	0.87	0.1024	0.85	0.00
10	198	263	0.75	0.1023	0.89	0.00
11	194	208	0.93	0.1028	0.66	0.00
12	388	416	0.93	0.1025	0.54	0.00
13	289	325	0.89	0.1021	0.74	0.00
14	251	309	0.81	0.1024	0.76	0.00
15	136	194	0.70	0.1033	0.57	0.00
16	320	348	0.92	0.1035	0.54	0.00
17	117	168	0.70	0.1032	0.56	0.00
18	242	303	0.80	0.1038	0.59	0.00
19	304	368	0.83	0.1028	0.62	0.00
20	408	428	0.95	0.1030	0.49	0.00
21	995	1404	0.71	0.1022	0.63	0.00

1.03 0.1029 0.49 0.86

10	0.0374	0	C
11	0.0233	7	C
12	0.0391	1	C
13	0.0145	4	C
14	0.0640	5	C
15	0.0467	2	C
16	0.0947	4	C
17	0.0253	7	C
18	0.0642	0	C
19		0	C

20									
21									
22	0.282250	-18.1	-4.6	1395	2366	-0.97			
23	0.255	-18.0	-4.4	1385	2351	-0.98			
		-16.2	-3.0	1345	2223	-0.95			
			-3.1	1349	2237	-0.96			
			-4.6	1412	2370	-0.95			



3  
3.6-2.2Ga  
[14] 820-800Ma  
735Ma — [9]  
[17]  
[28]

Diagram of ages of Precambrian rocks in Tarim Basin

612

630M

hu [10,12]

Z

Rodinia

R odinia

5

1  
615Ma

820Ma  
650-615Ma

[11,23]

[11]

SHRIMP

725Ma 615Ma

u [7]

la

760Ma

Li [13,24]

Rodinia

[13]

530Ma

