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Chuan-lin¹, Y

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and

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

4.3 P597.1

1 2552 2014 05- 0606- 08

Li X T, Li H K. The northern margin of the Tarim Craton. *Geology of China*, 2014, 33(5):

Zircon U - Pb dating reveals that the rocks from the northern margin of the Tarim Craton crystallized at 630.1 ± 1.3 Ma. These rocks were derived from partial melting of a mafic protolith. The results, in conjunction with a comprehensive analysis of the geochronology of the rocks in Quruqtagh, indicate that the rocks in Quruqtagh were the latest phase of the Neoproterozoic supercontinent, i.e., they had not yet been incorporated into the Gondwana supercontinent. The rocks in Quruqtagh exhibited typical characteristics of a supercontinent, i.e., they had not yet been incorporated into the Gondwana supercontinent. **Keywords:** Tarim; Neoproterozoic granitoid rocks

—
 $60 \times 10^4 \text{ km}^2$

2013- 12- 02

2014- 03

10%~15%

1%~5%

5%

2- b

735Ma 650-615 Ma

735Ma

[47- 11]

650

[1012]

2009KR 015

2009KR 016

63

N 41° 49' 15" E 86° 12' 15" N 41° 49' 33" E 86° 11'

U-

200

1000

Rodinia

a

LA- ICP- MS

2

Hf

Hf

[13]

Fig

Original from www.usps.gov

Original from www.usps.gov

18	392			
19	2273	1.1		
20	925	902		
21	600	578	1.0	
22	4081	2256	1.81	
23	937	989	0.95	
24	510	494	1.03	0.0

19	0.07		
20	0.1164		
21	0.0286	0.0008	
22	0.0334	0.0008	
23	0.0248	0.0007	
24	0.0619	0.0015	0.2822
25	0.0517	0.0014	0.2822
26	0.0547	0.0016	0.2822



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