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[1]

Rb-Sr

[2]

[3-4]

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:

#ž' 9S

1987-
#+(*ž

#ž' 9S

4\$" "\$" \$#%)

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E-mail yexiantao10@mails.ucas.ac.cn *

7ž_S[^|ZS YUZgS ʃ 2ZZgžWgžU

Group

104

U-Pb

1 460 Ma

2 ²⁰⁷Pb/

²⁰⁶Pb

1 468 ± 6 Ma

N = 79 MSWD = 0.68 ^[11]

1.4 Ga^[12]

1.5 1.4 Ga

Sailajia-

zitage Group

390

km²

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^[13] 1c

5 000 m

Kalakashi Group

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800 m

1b

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1c

Rb-Sr

1 764 Ma

^[1 9]

^[8-9] Zhang ^[10]

⁴⁰Ar-³⁹Ar

U-Pb

1 050 1 020 Ma

857 ± 3 Ma N=15 MSWD=1.4 2018

^[11] Zhang ^[11]

LA-MC-ICPMS U-Pb

SHRIMP U-Pb

839 ± 6 Ma 3 1

1 524.7 ± 4.3 Ma N=18, MSWD=1.3

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850 840 Ma

SHRIMP U-Pb

LA-ICPMS U-Pb

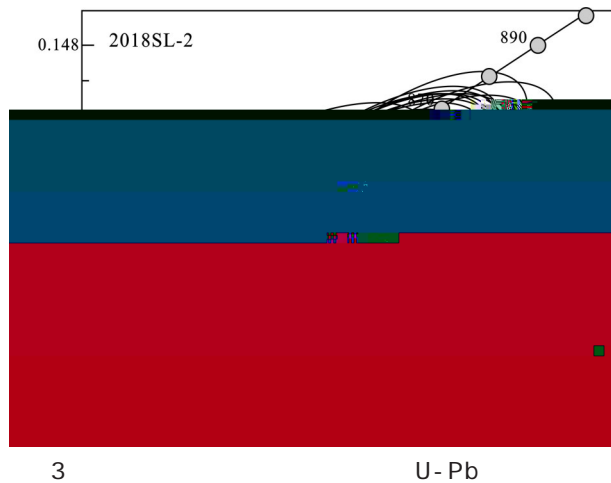
890 Ma

[14]

Aliankate Group

[9]

1b



Z

(1)

800 Ma

830 Ma^[16] 2

Qiakemakelike Group

Fig.3 Concordia diagram of U- Pb zircon data for the tuff layer from Sailajiazitage Group

1

LA- MC- ICPMS U- Pb

Tab.1 Zircon U- Pb age data analyzed by LA- MC- ICPMS from the tuff in the Sailajiazitage Group

Spot	U/ $\times 10^{-6}$	Th/ $\times 10^{-6}$	$^{207}\text{Pb}^*$ / ^{206}Pb	$\pm\%$	$^{207}\text{Pb}^*$ / ^{235}U	$\pm\%$	$^{206}\text{Pb}^*$ / ^{238}U	$\pm\%$	$^{207}\text{Pb}/^{235}\text{U}$ Age	1	$^{206}\text{Pb}/^{238}\text{U}$ Age	1
2018SL-2.1	1 976	1 022	0.068 4	1.31	1.313 2	1.73	0.139 1	1.60	852	15	840	13
2018SL-2.2	369	268	0.069 7	1.39	1.345 2	1.74	0.140 0	1.54	865	15	845	13
2018SL-2.3	485	425	0.068 4	1.34	1.305 8	1.68	0.138 5	1.52	848	14	836	13
2018SL-2.4	190	178	0.067 1	1.57	1.276 7	1.91	0.138 0	1.55	835	16	833	13
2018SL-2.5	228	171	0.067 8	1.49	1.289 2	1.82	0.137 8	1.53	841	15	832	13
2018SL-2.6	341	212	0.067 9	1.37	1.300 1	1.70	0.138 8	1.53	846	14	838	13
2018SL-2.7	346	382	0.068 4	1.46	1.329 7	1.74	0.140 9	1.54	859	15	850	13
2018SL-2.8	441	268	0.068 1	1.33	1.309 4	1.67	0.139 5	1.52	850	14	842	13
2018SL-2.9	174	120	0.068 3	1.68	1.318 4	1.97	0.140 0	1.51	854	17	844	13
2018SL-2.10	144	81	0.066 5	1.84	1.282 8	2.09	0.139 9	1.48	838	18	844	12
2018SL-2.11	1 168	1 734	0.068 8	1.31	1.289 9	1.63	0.136 0	1.49	841	14	822	12
2018SL-2.12	305	266	0.067 7	1.44	1.300 4	1.75	0.139 4	1.50	846	15	841	13
2018SL-2.13	271	205	0.068 7	1.43	1.309 8	1.73	0.138 2	1.49	850	15	834	12
2018SL-2.14	162	113	0.068 5	1.68	1.333 0	2.00	0.141 1	1.55	860	17	851	13
2018SL-2.15	500	362	0.069 9	1.37	1.315 4	1.64	0.136 5	1.46	853	14	825	12
2018SL-2.16	173	116	0.069 6	1.68	1.349 2	1.94	0.140 7	1.52	867	17	848	13

4

750 Ma

\$

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[4 22-23]

1.52 Ga

[11]

p

1.0 Ga

[10]

Ma

1 020 Ma

[6]

5a

1.0 Ga

[7 26]

850 840 Ma

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5c

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[27]

5d

760 750 Ma

[28]

1.9 Ga

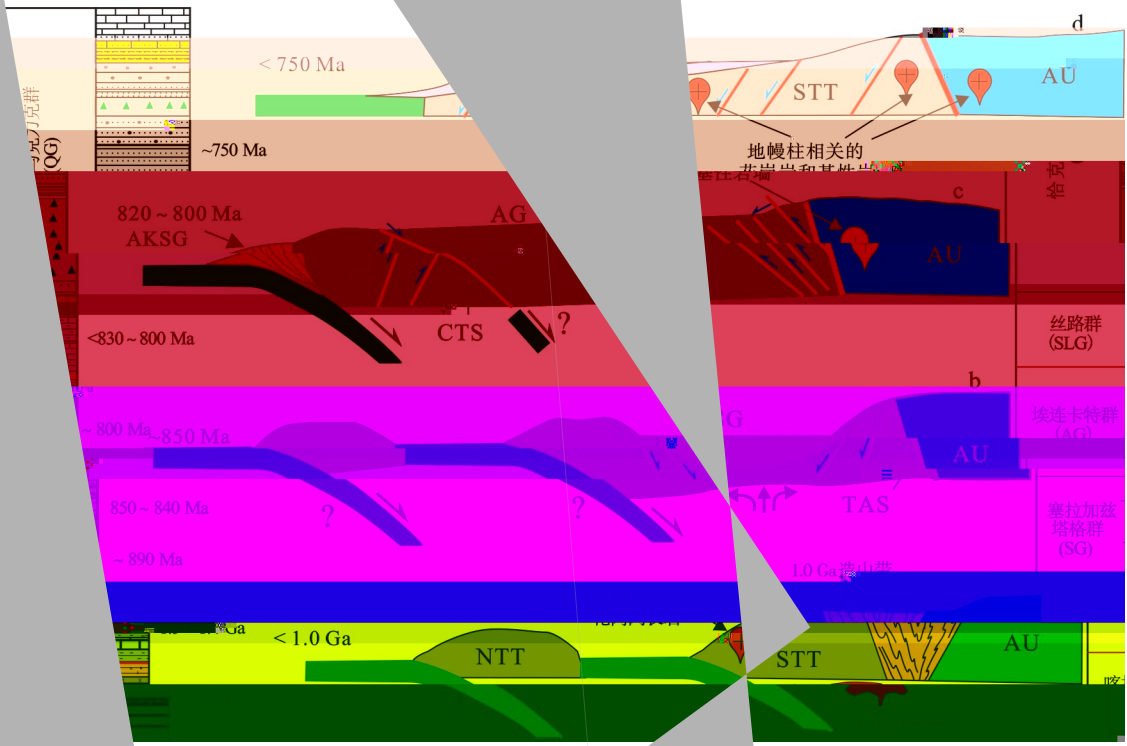
Co

[11]

1 525 Ma

[12]

1 117



5

[17]

geologic diagram to illustrate the relationship

evolution of the late Mesoproterozoic-

imentary basins and tectonic evolution

the southwestern margin of the Tarim

E9ž

3Gž

EFFž

5FEž

Ga

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2

800 Ma
750 Ma

2000

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M2 "\$ #" \$() , \$%#Z\$#&' ž
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