CORRECTION

Cenozoic vertical-axis rotation of the Altyn Tagh fault system

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An error was found in the calculation of vertical-axis rotation of the Altyn Tagh fault system. The corrected results are shown in Table 1. Complete details of the implications of the corrected data may be found in the Data Repository.[1]

TABLE 1. TECTONIC ROTATION ANALYSIS

Section	Age	Site location		Observed direction			Reference Pole			p	Expected Inc			Expected Dec			Rotation			Flattening		
	(Ma)	Lat (°N)	Long (°E)	I_m (°)	D_m (°)	α_{95} (°)	Lat (°N)	Long (°E)	α_{95} (°)	(°)	I_x (°)	±	δI (°)	D_x (°)	±	δD (°)	R (°)	±	ΔR (°)	F (°)	±	ΔF (°)
Yingjisha	80	38.1	76.4	37.1	7.6	9.9	76.2	198.9	3.4	60.2	48.9	±	3.9	13.4	±	3.9	-5.8	±	10.4	11.8	±	8.5
Aertashi	30	38.1	76.4	36.9	17.6	5.0	81.0	132.8	2.7	47.4	61.5	±	2.3	10.2	±	3.7	7.4	±	5.8	24.6	±	4.4
Puska	50	37.1	78.4	24.3	4.3	8.4	77.9	149.0	4.3	49.8	59.4	±	3.8	15.0	±	5.6	-10.7	±	8.6	35.1	±	7.4
Jianglisai	20	38.0	86.5	39.6	358.4	6.7	82.3	147.6	3.3	48.6	60.4	±	2.9	9.0	±	4.4	-10.6	±	7.8	20.8	±	5.8
Subei	30	39.5	94.8	39.7	344.7	6.6	81.0	132.8	2.7	43.7	64.5	±	2.1	8.0	±	3.9	-23.3	±	7.6	24.8	±	5.5

		Lat (°N)	Long (°E)	α_{95} (°)
Eurasia Reference Pole	20	82.3	147.6	3.3
Besse and Courtillot (1991)	30	81.0	132.8	2.7
	40	80.2	145.4	3.6
	50	77.9	149.0	4.3
	60	78.5	178.7	3.9
	70	77.2	192.4	4.1
	80	76.2	198.9	3.4

Note: I_m is measured inclination; D_m is measured declination; p is colatitude; I_x is expectected inclination; δI is error in expected inclination; D_x is expected declination; δD is error in expected declination; R and F are the calculated magnitude of vertical-axis rotations and flattening implied by the difference between the observed and expected directions.

[1]GSA Data Repository item 200053, Correction of Cenozoic vertical-axis rotation of the Altyn Tagh fault system, is available on request from Documents Secretary, GSA, P.O. Box 9140, Boulder, CO 80301-9140, editing@geosociety.org, or at www.geosociety.org/pubs/drpint.htm.