ERRATUM

POST-IR IRSL DATING OF K-FELDSPAR FROM LAST INTERGLACIAL MARINE TERRACE DEPOSITS ON THE KAMIKITA COASTAL PLAIN, NORTHEASTERN JAPAN

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The original version of this article contained incorrect calculation of recombination centre density, ρ', and therefore all ρ' and fading-corrected age were re-calculated. This erratum provides corrected **Table 3**, **Fig. 4**, **Fig. 6** and **Fig. 7** , as well as a list of corrections in the text.

LIST OF CORRECTIONS IN THE TEXT

Page	Section	Line	Before correction	After correction
352	Abstract	9		
361	Discussion	25	126 ± 3 ka	122 ± 3 ka
363	Conclusion	14		
361	Fading-corrected (residual-subtracted) age	25	$(2.12 \pm 0.26) \times 10^{-6}$ and $(0.34 \pm 0.75) \times 10^{-6}$, respectively, for site 1 (gsj13-040, gsj13-039 and gsj14-030), and $(1.76 \pm 0.30) \times 10^{-6}$ and $(-0.02 \pm 0.79) \times 10^{-6}$, respectively, for site 2 (gsj13-093, gsj13-094 and gsj13-095)	$(1.43 \pm 0.17) \times 10^{-6}$ and $(0.20 \pm 0.51) \times 10^{-6}$, respectively, for site 1 (gsj13-040, gsj13-039 and gsj14-030), and $(1.17 \pm 0.19) \times 10^{-6}$ and $(-0.13 \pm 0.62) \times 10^{-6}$, respectively, for site 2 (gsj13-093, gsj13-094 and gsj13-095)

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Table 3. Results of pIRIR dating using different first IR stimulation temperatures. n is number of aliquots. ρ' is the dimensionless recombination centre density (Huntley, 2006). Residual dose was D_e after artificial sunlight bleaching for 3 h except for modern beach sand (gsj14-019) which was bleached for 800 h. Fading correction was performed based on Kars et al. (2008) and Kars and Wallinga (2009). To calculate the uncorrected ages, residual dose of modern beach sand (gsj14-019) was subtracted from D_e of each sample. D_0 values were calculated based on Wintle and Murray (2006).
[a] Terrigenous sediments. [b] If the average g-value of samples from site 2 was lower than zero, fading correction would not be performed.

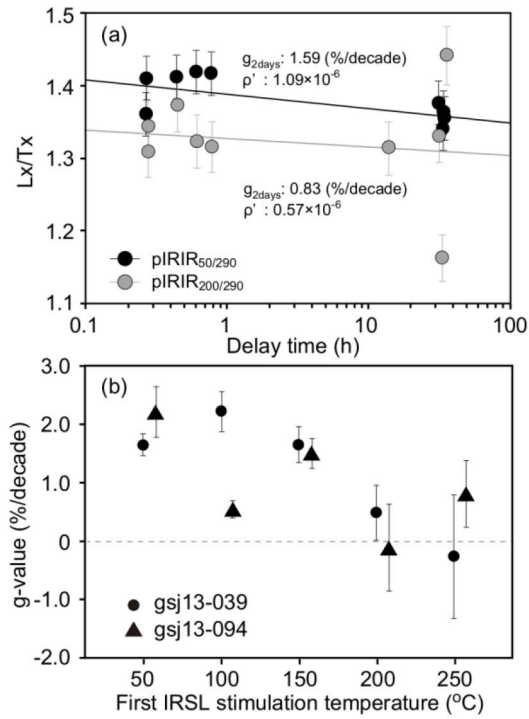| Sample	Measurement procedure	n	D_e (Gy)	Fading test n	g_{days} (%/decade)	$\rho'/10^{-6}$	Dose recovery test n	Dose recovery ratio	n	Residual dose (Gy)	Fading-uncorrected Age (ka)	Fading-corrected Age[b] (ka)	D_0 (Gy)
Site 1													
gsj13-040[a]	pIRIR50/290	11	96±4	11	2.19±0.09	1.48±0.06	3	0.93±0.09	3	10±1	59±5	81±7	361
	pIRIR200/290	17	120±6	7	-1.02±0.73	-0.72±0.51	3	1.07±0.09	3	12±6	74±7	78±7	251
gsj14-014	pIRIR50/290	8	163±12				3	1.16±0.05	3	15±1	99±11	139±16	413
	pIRIR200/290	11	192±10				3	1.20±0.10	3	25±1	116±10	122±11	324
gsj14-015	pIRIR50/290	8	178±10				3	1.06±0.03	3	12±0	105±10	143±14	724
	pIRIR200/290	12	181±10				3	0.81±0.05	3	22±1	106±10	112±11	392
gsj13-039	pIRIR50/290	28	176±12	28	1.65±0.18	1.11±0.12	10	1.03±0.10	6	15±0	103±10	146±16	422
	pIRIR100/290	12	191±15	12	2.22±0.34	1.48±0.22	9	1.10±0.12	6	18±2	112±12	162±19	424
	pIRIR150/290	10	200±11	12	1.65±0.31	1.10±0.21	9	1.06±0.12	6	23±2	118±11	154±15	451
	pIRIR200/290	19	183±22	20	0.49±0.46	0.30±0.32	12	1.02±0.11	12	27±2	107±15	113±16	370
	pIRIR250/290	10	229±17	10	-0.26±1.07	-0.27±0.76	9	1.08±0.40	6	28±7	134±14		248
gsj14-031	pIRIR50/290	7	163±10				3	1.06±0.05	3	13±1	94±9	132±13	410
	pIRIR200/290	9	194±14				3	1.01±0.07	3	25±1	112±12	118±13	298
gsj14-030	pIRIR50/290	8	204±8	8	2.53±0.31	1.69±0.21	3	1.04±0.05	3	15±0	116±9	164±14	448
	pIRIR200/290	13	214±15	12	1.57±0.40	1.03±0.26	3	0.94±0.17	3	31±1	120±12	128±13	258
gsj14-017	pIRIR50/290	8	184±7				3	1.04±0.05	3	16±1	113±9	158±13	514
	pIRIR200/290	12	204±17				3	1.02±0.07	3	31±1	125±14	131±15	446
gsj14-029	pIRIR50/290	8	183±7				3	0.96±0.04	3	14±1	107±9	150±12	453
	pIRIR200/290	10	206±17				3	1.01±0.10	3	21±1	120±13	127±14	339
Site 2													
gsj13-093[a]	pIRIR50/290	10	95±3	10	1.25±0.66	0.82±0.45	3	1.09±0.05	3	11±0	64±5	82±7	371
	pIRIR200/290	16	127±6	8	-1.34±0.57	-1.21±0.49	3	1.13±0.10	3	21±2	86±8		229
gsj13-094	pIRIR50/290	17	163±8	11	2.21±0.42	1.48±0.27	3	1.16±0.07	3	19±1	114±10	150±14	461
	pIRIR100/290	6	203±12	6	0.55±0.14	0.37±0.09	3	1.11±0.05	3	18±1	142±13	155±15	420
	pIRIR150/290	6	210±6	6	1.50±0.23	1.00±0.15	3	0.98±0.09	3	20±1	147±12	191±15	364
	pIRIR200/290	24	193±14	12	-0.11±0.74	-0.11±0.50	3	1.02±0.07	3	31±1	134±14		324
	pIRIR250/290	6	221±34	4	0.81±0.57	0.53±0.39	3	0.65±0.07	3	38±3	154±27		253
gsj13-092	pIRIR50/290	7	205±8				3	1.08±0.06	3	17±0	126±10	182±35	507
	pIRIR200/290	8	219±7				3	1.02±0.07	3	31±1	134±10	166±14	287
gsj13-095	pIRIR50/290	8	193±8	8	1.82±0.12	1.23±0.08	3	1.16±0.07	3	12±0	121±10	161±13	450
	pIRIR200/290	16	214±9	12	1.40±0.22	0.94±0.15	3	0.97±0.06	3	28±1	134±11		338
gsj13-091	pIRIR50/290	8	178±4				3	1.07±0.06	3	16±1	118±9	155±12	532
	pIRIR200/290	11	205±9				3	1.13±0.12	3	32±2	136±12		312
gsj13-096	pIRIR50/290	8	187±20				3	1.06±0.06	3	11±1	115±15	153±21	442
	pIRIR200/290	12	202±13				3	1.15±0.06	3	27±1	123±12		339
Site 3													
gsj14-019	pIRIR50/290	13	16±2						3	3±0			
	pIRIR100/290	8	14±2										
	pIRIR150/290	8	11±1										
	pIRIR200/290	15	17±1						3	4±0			
	pIRIR250/290	6	26±2										

Fig. 4. *Fading test results. (a) Typical results for sample gsj13-039; (b) g-values obtained with different first IR stimulation temperatures for gsj13-039 and gsj13-094. The error bars show one standard error.*
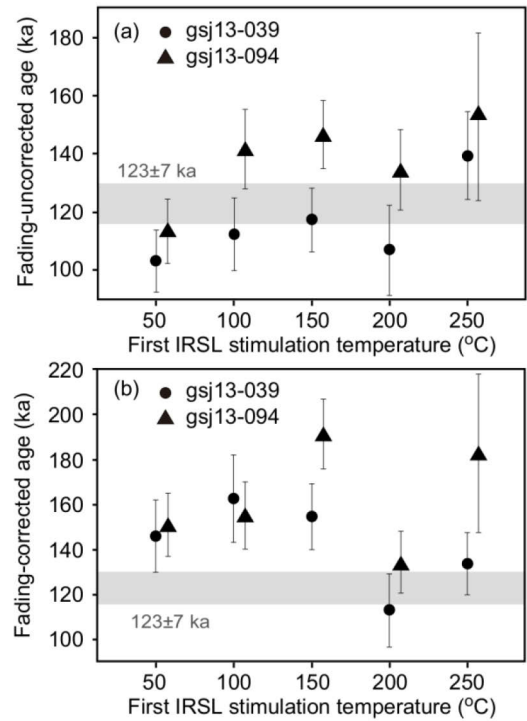

Fig. 6. *(a) Uncorrected and (b) corrected pIRIR ages of gsj13-039 and gsj13-094 obtained with different first IR stimulation temperatures. The error bars show one standard error.*
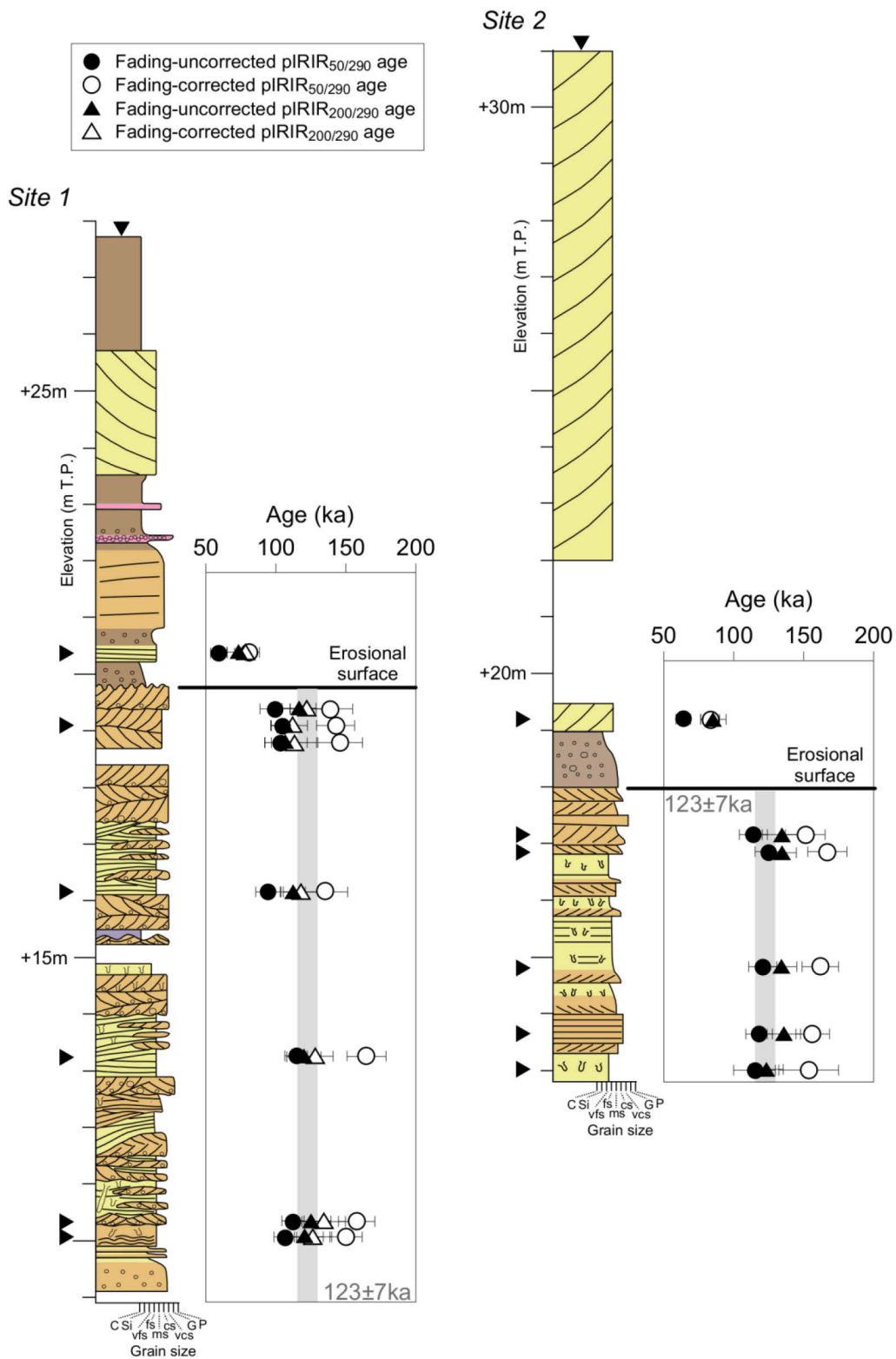
Fig. 7. *Columnar sections as in Fig. 2. For sites 1 and 2, the fading-uncorrected and -corrected ages of the pIRIR$_{50/290}$ and pIRIR$_{200/290}$ signals are shown with one standard error. For site 2, the fading corrected ages of pIRIR$_{200/290}$ signals were not calculated because the average ρ' value was lower than zero. For each site, the vertical gray bar shows the expected age range.*

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