

Appendix 1. Radiocarbon ages obtained for dateable materials from the event deposits.

Locality	Sample name	Code No.	Sample material	$\delta^{13}\text{C}$ (‰)	^{14}C Age (yrBP $\pm 1\sigma$)	Calibrated Age 2σ
SD-06	SD06-seed	YU-2779	Grass seed	-31.17 \pm 0.19	1205 \pm 20	768AD(95.4%)886AD
SKK	SKK-3 grass	YU-1829	Grass stem	-10.70 \pm 0.38	895 \pm 20	1044AD(41.4%)1100AD 1118AD(54.0%)1210AD
	SKK-3seed	YU-2525	Grass seed	-23.42 \pm 0.63	929 \pm 24	1032AD(95.4%)1160AD
SD-08	BS1 (AK-D)	I-19002*	Wood	-26.2	1060 \pm 60	777AD(1.4%)792AD 803AD(3.0%)844AD 858AD(84.9%)1050AD 1083AD(4.7%)1126AD 1136AD(1.4%)1151AD
	BS4(AK-A/B)	I-19037*	Wood	-27.0	1000 \pm 70	891AD(94.9%)1190AD 1198AD(0.5%)1204AD
	BS6 (Ak-1160m)	IAA-1006*	Wood	-27.6	1010 \pm 90	778AD(1.0%)791AD 804AD(2.3%)842AD 860AD(92.1%)1218D
SD-09	SHICHIKUBO-U	IAA-1094*	Wood	-26.7	1280 \pm 90	605AD(90.3%)906AD 915AD(5.1%)968AD
	Tnsh	YU-377	Wood	-25.00 \pm 0.25	805 \pm 30	1170AD(1.2%)1174AD 1180AD(94.2%)1272AD
	09T-Seed-2	YU-634	Grass seed	-28.84 \pm 0.25	1010 \pm 20	986AD(95.4%)1040AD
SD-10	Sckb E2	YU-320	Wood	-22.81 \pm 0.36	1130 \pm 20	878AD(95.4%)982AD
	10TL-g1	YU-635	Grass stem	-27.20 \pm 0.26	1010 \pm 20	986AD(95.4%)1040AD
	10TU-g1	YU-636	Grass stem	-25.93 \pm 0.31	1030 \pm 20	984AD(95.4%)1026AD
	10T-Seed-3	YU-637	Grass seed	-26.70 \pm 0.30	970 \pm 20	1018AD(41.9%)1052AD 1081AD(53.5%)1152AD
SD-11	SD11grass	YU-2781	Grass leaf	-27.22 \pm 0.14	1309 \pm 19	660AD(70.6%)718AD 742AD(24.8%)766AD
	SD11seed	YU-2782	Grass seed	-30.41 \pm 0.16	970 \pm 20	1018AD(41.9%)1052AD 1081AD(53.5%)1152AD

* : By beta counting