

Supplement A: Radiocarbon dates on annual material and their chronological classification according to oral history. The probabilities in line with the stratigraphic location of the samples and the oral history are marked in grey.

Lab No	Context	Material	Conventional Radiocarbon Age	2 Sigma (95.4 % probability)		Oral history
Erl-13869	Tyi-jo D3	<i>Ziziphus</i> sp., endocarp	73±51BP	1680-1739 cal AD 1742-1763 cal AD 1800-1938 cal AD 1950-1950 cal AD	26.0% 3.3% 66.1% 0%	17th century CE
Beta-764822	Tyi-kun D9	<i>Adansonia digitata</i> , seed	90±30 BP	1686-1731 cal AD 1806-1926 cal AD 1954-1955 cal AD	26.1% 69.1% 0.2%	Earliest 18th century CE (and older than D4)
Beta-764821	Tyi-kun D4	<i>Adansonia digitata</i> , seed	150±30 BP	1667-1712 cal AD 1718-1782 cal AD 1796-1825 cal AD 1831-1894 cal AD 1904-1949 cal AD 1951-1954 cal AD	16.2% 26.2% 10.4% 26.2% 18.9% 0.5%	Latest 20th century CE (and younger than D9)