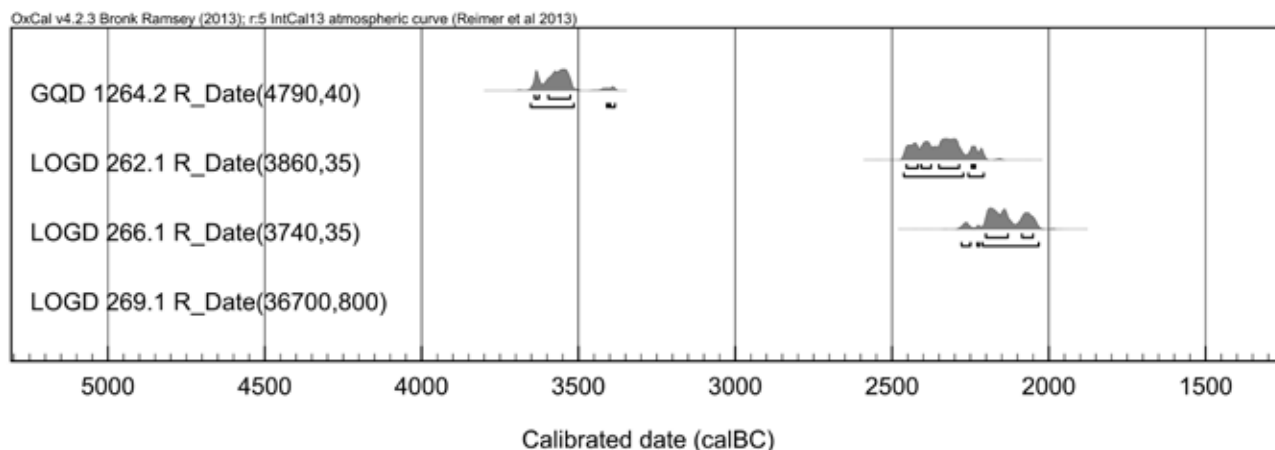




APPENDIX B

RADIOCARBON DATING

Results of calibration of ^{14}C dates



<i>Sample name</i>	<i>Lab. no.</i>	<i>Age ^{14}C</i>	<i>Remark</i>
GQD 1264.2	Poz-91136	4790 \pm 40 BP	
LOGD 237.1	Poz-0	>0 BP	dissolved
LOGD 262.1	Poz-91138	3860 \pm 35 BP	
LOGD 266.1	Poz-91139	3740 \pm 35 BP	
LOGD 269.1	Poz-91140	36700 \pm 800 BP	

Five charcoal samples were analysed in 2016, four from Logardan Trench D and one from Girdi Qala Trench D, north mound. One of them dissolved during preparation (LogD 237.1), while LogD 269.1 produced an aberrant result. A second analysis of the same showed that it was a mixed sample, blending charcoals of different origins, thus polluted. Not nowadays but in the ancient times (which doesn't really explain why the result would be fine, if divided by 10 !). We hope that next season provides convenient radiocarbon samples from level 4 of Logardan D. The three other samples (GQD 1264.2, LOGD 262.1 and LOGD 266.1) produced datings that are totally consistent with their cultural assemblage (respectively Middle Uruk, Akkad and Late Akkad) and stratigraphical location.

Given are intervals of calendar age, where the true ages of the samples encompass with the probability of ca. 68% and ca. 95%. The calibration was made with the OxCal software.

OxCal v4.2.3 Bronk Ramsey (2013); r:5

IntCal13 atmospheric curve (Reimer et al 2013)

GQD 1264.2 R_Date(4790,40) (*GQ D Lvl 3*)

68.2% probability

3640BC (10.4%) 3627BC

3596BC (57.8%) 3527BC

95.4% probability

3653BC (92.7%) 3515BC

3410BC (0.5%) 3405BC

3399BC (2.2%) 3384BC

LOGD 262.1 R_Date(3860,35) (*Log D Lvl 3b*)

68.2% probability

2454BC (15.4%) 2418BC

2407BC (14.6%) 2376BC

2351BC (35.9%) 2286BC

2247BC (1.1%) 2244BC

2239BC (1.1%) 2236BC

95.4% probability

2463BC (81.7%) 2273BC

2257BC (13.7%) 2208BC

LOGD 266.1 R_Date(3740,35) (*Log D Lvl 3a*)

68.2% probability

2201BC (48.1%) 2131BC

2086BC (20.1%) 2051BC

95.4% probability

2279BC (5.5%) 2251BC

2229BC (1.1%) 2221BC

2211BC (88.8%) 2033BC

LOGD 269.1 R_Date(36700,800) (*Log D Lvl 4*)

68.2% probability

40004BC (68.2%) 38610BC

95.4% probability

40602BC (95.4%) 37839BC