

EXARC Journal

Experimental Bonfirings of Pottery with Camel Dung Fuel, Jordan, July 2018

| Maria Louise Sidoroff (US) | Issue 2019/2 | Experimental Archaeology

<https://exarc.net/journal>

Appendix 1. Data from experimental firings.

Firing & number of fuel buckets	Begin warming fire: AM	Begin Pottery firing: AM + Fuel	Temperatures in Celsius @ Time	Temperatures in Celsius @ Time	Temperatures in Celsius @ Time	Temperatures in Celsius @ Time	End pottery firing: AM
Firing # 1	7:05	7:45 Camel dung	559° 7:50 AM	532°, 530°, 537° 8:05 AM	532°, 413°, 513° 8:45 AM	584°, 606°, 561° 9:05 AM	10:30
Firing #2 5 buckets	6:20	7:15 Camel dung	515°, 486°, 335°, 475° 8:02 AM	571°, 361°, 402° 8:45 AM	434°, 457°, 509°, 336° 9:15 AM	x	9:40
Firing #3 6 buckets	5:50	6:10 Camel dung	393°, 509°, 270°, 127° 6:15 AM	494°, 537° 6:55 AM	309°, 319°, 611° 7:25 AM	488°, 469°, 599° 7:45 AM	7:45
Firing #4 4 buckets	5:50	6:30 Camel dung	x	339°, 453° 6:35 AM	498.4°, 351°, 192.6° 7:40 AM	510.4°, 668.9°, 393.7° 7:55 AM	8:00
Firing #5 5 buckets	5:50	6:15 Camel dung	571.8°, 621.7°, 507.7° 8:10 AM	516.6°, 542°, 530° 8:25 AM	x	x	8:25
Firing #6 7 buckets	6:15	6:37 Camel + sheep dung	504.8°, 217.8°, 456° 7:25 AM	552°, 532.1°, 520° 8:24 AM	x	x	8:40
Firing #7 8 buckets	6:25	6:47 Camel + sheep dung	489.2°, 502.1°, 481.5° 7:00 AM	337°, 554.2°, 474.7° 7:38 AM	552.9°, 543.9°, 599.2° 7:57 AM	x	8:00
Firing #8 8 buckets	6:00	6:20 Camel + sheep dung	553°, 444° 8:12 AM	556°, 550.8°, 421.7°, 309° 8:31 AM	502.6°, 348.7°, 164° 8:50 AM	x	8:55
Firing #9 8 buckets	6:10	6:25 Camel + sheep dung	x	x	x	x	8:00
Firing #10 8 buckets	6:10	6:30 Camel + sheep dung	429.4° 6:35 AM	350.3°, 359.6°, 256.9° 7:30 AM	390.2°, 325°, 94.4° 7:55 AM	557.6°, 528.7°, 198.7° 8:15 AM	8:15