Supplementary Table S1

#	Lab. Code	Location	Dating technique	^{14}C Age (BP)	Calibrated age BC/AD	Reference
1	SOAN-9091	Kuektanar mouth, furnace #2	LSC	1250 ± 65	*68.3% probability* *676AD (42.1%) 776AD* *786AD (19.0%) 830AD* *854AD (7.1%) 873AD* *95.4% probability* *654AD (92.7%) 895AD* *924AD (2.7%) 950AD*	[30]
2	NSKA 00832	Kuektanar mouth, furnace #2	AMS	1368 ± 42	*68.3% probability* *608AD (7.4%) 620AD* *638AD (53.7%) 680AD* *748AD (7.2%) 758AD* *95.4% probability* *600AD (78.7%) 706AD* *737AD (16.8%) 774AD*	[30]
3	Le-11999	Kuektanar mouth, furnace #3	LSC	1970 ± 170	*68.3% probability* *176BC (68.3%) 244AD* *95.4% probability* *386BC (95.4%) 410AD*	[31]
4	SOAN-5040	Kuektanar mouth, furnace #3	LSC	1775 ± 35	*68.3% probability* *238AD (18.0%) 259AD* *279AD (50.3%) 334AD* *95.4% probability* *212AD (95.4%) 380AD*	[71]
5	Le-11997	Kuektanar mouth, furnace #3	LSC	1650 ± 80	*68.3% probability* *263AD (3.9%) 275AD* *346AD (48.7%) 481AD* *492AD (15.6%) 536AD* *95.4% probability* *240AD (95.4%) 575AD*	[31]
6	IAAA-171076	Kuektanar mouth, furnace #3	AMC	1540 ± 20	*68.3% probability* *481AD (7.9%) 492AD* *536AD (60.4%) 574AD* *95.4% probability* *436AD (10.8%) 464AD* *475AD (13.4%) 501AD* *508AD (1.5%) 516AD* *529AD (69.8%) 594AD*	[47]
7	NSKA 00833	Kuektanar mouth, furnace #3	AMS	1515 ± 33	*68.3% probability* *542AD (68.3%) 600AD* *95.4% probability* *436AD (6.1%) 464AD* *475AD (6.8%) 501AD* *508AD (1.1%) 516AD* *530AD (81.5%) 640AD*	[30]
8	Le-11994	Kuektanar mouth, furnace #4	LSC	2190 ± 250	*68.3% probability* *541BC (67.3%) 81AD* *98AD (1.0%) 110AD* *95.4% probability* *826BC (95.4%) 360AD*	[31]

9	Le-11992	Kuektanar mouth, furnace #4	LSC	2020 ± 150	*68.3% probability* *336BC (0.9%) 330BC* *198BC (65.2%) 167AD* *186AD (2.2%) 202AD* *95.4% probability* *393BC (92.8%) 259AD* *279AD (2.7%) 334AD*	[31]
10	Le-11993	Kuektanar mouth, furnace #4	LSC	1840 ± 180	*68.3% probability* *33BC (2.1%) 16BC* *6AD (66.1%) 410AD* *95.4% probability* *350BC (1.5%) 308BC* *207BC (94.0%) 589AD*	[31]
11	NTU_{AMS}-5803	Kuektanar mouth, furnace #4	AMC	1743 ± 69	*68.3% probability* *244AD (67.2%) 384AD* *398AD (1.0%) 400AD* *95.4% probability* *127AD (93.8%) 435AD* *465AD (0.5%) 474AD* *502AD (0.2%) 506AD* *516AD (0.8%) 530AD*	[31]
12	NTU_{AMS}-5800-1	Kuektanar mouth, furnace #4	AMS	1710 ± 60	*68.3% probability* *252AD (18.5%) 290AD* *320AD (49.8%) 414AD* *95.4% probability* *219AD (89.5%) 440AD* *455AD (2.1%) 478AD* *496AD (3.8%) 534AD*	[31]
13	Le-11828	Kuektanar mouth, furnace #4	LSC	1680 ± 50	*68.3% probability* *258AD (11.3%) 280AD* *332AD (56.9%) 425AD* *95.4% probability* *248AD (17.2%) 298AD* *306AD (65.7%) 442AD* *448AD (4.9%) 480AD* *494AD (7.7%) 536AD*	[31]
14	Le-11995	Kuektanar mouth, furnace #4	LSC	1680 ± 45	*68.3% probability* *260AD (10.3%) 278AD* *338AD (57.9%) 422AD* *95.4% probability* *248AD (16.7%) 297AD* *308AD (69.0%) 440AD* *453AD (3.5%) 478AD* *495AD (6.2%) 534AD*	[31]
15	NTU_{AMS}-5802	Kuektanar mouth, furnace #4	AMS	1666 ± 62	*68.3% probability* *259AD (8.1%) 279AD* *335AD (48.3%) 436AD* *464AD (3.7%) 475AD* *500AD (3.0%) 509AD* *515AD (5.2%) 530AD* *95.4% probability* *248AD (13.7%) 298AD* *306AD (81.8%) 544AD*	[31]

16	Le-11996	Kuektanar mouth, furnace #4	LSC	1660 ± 70	*68.3% probability* *260AD (6.6%) 278AD* *336AD (42.0%) 440AD* *456AD (7.0%) 478AD* *496AD (12.6%) 534AD* *95.4% probability* *246AD (95.4%) 552AD*	[31]
17	NTU_{AMS}-5801-1	Kuektanar mouth, furnace #4	AMS	1614 ± 60	*68.3% probability* *412AD (68.3%) 540AD* *95.4% probability* *260AD (2.6%) 278AD* *337AD (92.9%) 583AD*	[31]
18	Le-11825	Kuektanar mouth, furnace #4	LSC	1610 ± 30	*68.3% probability* *418AD (17.9%) 440AD* *454AD (19.0%) 478AD* *496AD (31.3%) 534AD* *95.4% probability* *412AD (95.4%) 542AD*	[31]
19	$IGAN_{AMS}$ 5012	Turgun	AMS	1270 ± 70	*68.3% probability* *665AD (53.4%) 775AD* *788AD (14.9%) 826AD* *95.4% probability* *645AD (93.4%) 895AD* *924AD (2.0%) 950AD*	[30]
20	Le-12001	Yustyd valley, left river bank	LSC	1630 ± 50	*68.3% probability* *404AD (42.9%) 482AD* *490AD (25.4%) 537AD* *95.4% probability* *260AD (3.0%) 278AD* *340AD (92.5%) 557AD*	[39]
21	$IGAN_{AMS}$ 7165	Yustyd valley, left river bank	AMS	1565 ± 20	*68.3% probability* *436AD (24.0%) 464AD* *476AD (23.2%) 500AD* *510AD (2.6%) 514AD* *530AD (18.4%) 550AD* *95.4% probability* *432AD (95.4%) 560AD*	This paper
22	IAAA-171075	Yustyd valley, left river bank	AMS	1540 ± 20	*68.3% probability* *481AD (7.9%) 492AD* *536AD (60.4%) 574AD* *95.4% probability* *436AD (10.8%) 464AD* *475AD (13.4%) 501AD* *508AD (1.5%) 516AD* *529AD (69.8%) 594AD*	[47]
23	IAAA-171074	Yustyd valley, left river bank	AMS	1510 ± 20	*68.3% probability* *556AD (68.3%) 590AD* *95.4% probability* *541AD (95.4%) 604AD*	[47]
24	N/A	Yustyd valley, right river bank	LSC	1830 ± 40	*68.3% probability* *130AD (5.9%) 144AD* *155AD (56.5%) 250AD* *296AD (5.9%) 309AD* *95.4% probability* *120AD (77.8%) 259AD* *278AD (17.6%) 334AD*	[70]

25	Le-12003	Yustyd valley, left river bank	LSC	2230 ± 80	*68.3% probability* *390BC (68.3%) 197BC* *95.4% probability* *456BC (0.5%) 442BC* *418BC (95.0%) 46BC*	[39]
26	Le-12004	Yustyd valley, left river bank	LSC	1910 ± 110	*68.3% probability* *36BC (4.4%) 14BC* *4AD (63.9%) 240AD* *95.4% probability* *166BC (95.4%) 380AD*	[39]
27	Le-12002	Yustyd valley, left river bank	LSC	1860 ± 125	*68.3% probability* *22AD (56.1%) 260AD* *278AD (12.2%) 338AD* *95.4% probability* *166BC (95.3%) 433AD* *521AD (0.1%) 526AD*	[39]
28	NTU_{AMS}-5804-1	Yustyd valley, right river bank	AMS	1792 ± 61	*68.3% probability* *204AD (68.3%) 360AD* *95.4% probability* *124AD (95.4%) 405AD*	[39]
29	NTU_{AMS}-5805-1	Yustyd valley, right river bank	AMS	1731 ± 59	*68.3% probability* *250AD (22.5%) 294AD* *314AD (45.8%) 402AD* *95.4% probability* *206AD (93.8%) 436AD* *464AD (0.5%) 475AD* *500AD (0.4%) 508AD* *515AD (0.8%) 530AD*	[39]
30	$IGAN_{AMS}$ 7166	Yustyd valley, left river bank	AMS	1720 ± 20	*68.3% probability* *258AD (20.9%) 280AD* *333AD (47.4%) 380AD* *95.4% probability* *254AD (26.9%) 287AD* *324AD (68.6%) 406AD*	This paper

Available radiocarbon ages for charcoals from iron smelting furnaces in the Kosh-Agach ferrous metallurgy province. All of the dates were calibrated using OxCal v4.4.4 program [53] and the IntCal20 calibration curve [54]. Applied techniques: LSC = liquid scintillation; AMS = accelerated mass spectrometry.