

**Procedència i evolució dels sistemes sedimentaris de
la conca de Jaca (conca d'avantpaís Sudpirinenca):
Interacció entre diverses àrees font en un context
tectònic actiu**



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Tesi Doctoral
2018

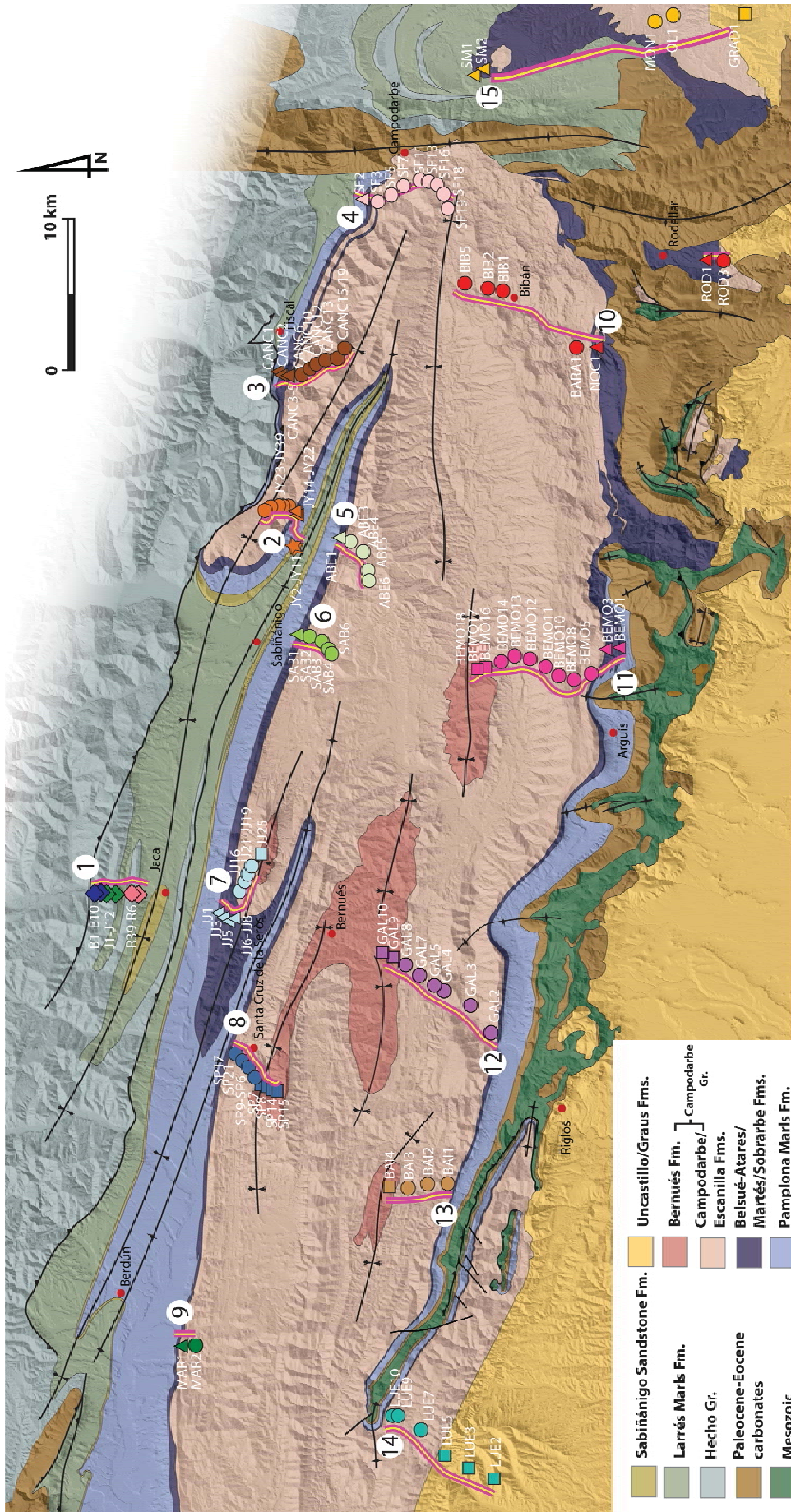
UAB

**Universitat Autònoma
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Annex 3

Situació de les mostres



Mapa geològic modificat de Puigdefàbregas (1975), mostrant la posició de les mostres analitzades en aquesta tesi.

Annex 4

Resultats d'U-Pb en zircons detrítics

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm							Age (Ma)		Age (Ma)		Age (Ma)		Age (Ma)		%	
Banaston_B1_1	492.00	3.54	0.36	0.01	0.05	0.00	0.55	315.50	6.20	304.10	8.10	372.00	64.00	304.10	8.10	3.61	
Banaston_B1_2	178.30	2.06	0.90	0.02	0.10	0.00	0.45	653.50	8.40	635.00	12.00	715.00	47.00	635.00	12.00	2.83	
Banaston_B1_3	312.00	2.91	0.93	0.02	0.10	0.00	0.45	667.40	7.70	638.50	9.80	788.00	32.00	638.50	9.80	4.33	
Banaston_B1_4	239.00	5.77	0.90	0.02	0.11	0.00	0.63	652.10	8.90	655.00	14.00	660.00	42.00	655.00	14.00	0.44	
Banaston_B1_5	69.20	1.62	0.81	0.03	0.10	0.00	0.44	602.00	20.00	592.00	27.00	609.00	95.00	592.00	27.00	1.66	
Banaston_B1_6	84.40	1.46	0.75	0.03	0.09	0.00	0.56	567.00	15.00	559.00	17.00	592.00	65.00	559.00	17.00	1.41	
Banaston_B1_7	190.50	1.72	0.70	0.02	0.09	0.00	0.53	536.00	13.00	525.00	25.00	606.00	91.00	525.00	25.00	2.05	
Banaston_B1_8	360.00	3.39	0.66	0.02	0.08	0.00	0.76	511.20	9.00	509.20	7.80	565.00	26.00	509.20	7.80	0.98	Rim
Banaston_B1_9	481.00	41.30	0.42	0.01	0.06	0.00	0.43	352.50	8.60	363.00	13.00	308.00	89.00	363.00	13.00	2.98	Rim
Banaston_B1_9	443.60	3.92	1.51	0.04	0.12	0.00	0.75	933.00	18.00	724.00	15.00	1474.00	33.00	DISC	DISC	22.40	Core
Banaston_B1_10	125.70	1.71	0.90	0.02	0.11	0.00	0.53	655.90	9.40	644.70	9.40	720.00	32.00	644.70	9.40	1.71	
Banaston_B1_11	465.00	2.54	0.34	0.01	0.05	0.00	0.47	296.30	5.80	297.20	6.00	314.00	46.00	297.20	6.00	0.30	
Banaston_B1_12	359.00	4.96	1.08	0.02	0.12	0.00	0.67	746.00	11.00	742.00	17.00	789.00	42.00	742.00	17.00	0.54	
Banaston_B1_13	40.10	1.79	0.94	0.03	0.11	0.00	0.18	672.00	16.00	654.00	16.00	773.00	81.00	654.00	16.00	2.68	
Banaston_B1_14	294.90	0.82	0.82	0.02	0.08	0.00	0.86	609.00	14.00	523.00	18.00	950.00	36.00	DISC	DISC	14.12	
Banaston_B1_15	153.00	1.38	1.33	0.02	0.14	0.00	0.56	857.40	8.00	853.00	10.00	887.00	28.00	887.00	28.00	3.83	
Banaston_B1_16	174.00	3.25	0.92	0.02	0.11	0.00	0.72	662.00	11.00	680.00	14.00	633.00	35.00	680.00	14.00	2.72	
Banaston_B1_17	84.20	4.38	0.58	0.02	0.07	0.00	0.33	467.00	11.00	459.00	15.00	564.00	79.00	459.00	15.00	1.71	
Banaston_B1_18	516.00	2.30	0.37	0.01	0.05	0.00	0.64	316.10	3.90	323.90	4.90	265.00	30.00	323.90	4.90	2.47	
Banaston_B1_19	240.00	2.03	0.40	0.01	0.05	0.00	0.44	340.00	10.00	338.00	10.00	325.00	74.00	338.00	10.00	0.59	
Banaston_B1_20	90.70	0.92	0.62	0.02	0.07	0.00	0.66	486.00	11.00	451.00	12.00	646.00	48.00	451.00	12.00	7.20	
Banaston_B1_21	315.00	2.50	0.58	0.01	0.07	0.00	0.44	465.90	5.80	461.00	5.90	502.00	39.00	461.00	5.90	1.05	
Banaston_B1_22	1003.00	2.79	0.28	0.01	0.02	0.00	0.62	251.70	6.80	155.80	4.60	1262.00	50.00	DISC	DISC	38.10	
Banaston_B1_23	245.00	4.02	0.36	0.01	0.05	0.00	0.60	311.60	6.30	312.40	8.50	295.00	49.00	312.40	8.50	0.26	
Banaston_B1_24	398.00	2.15	0.37	0.01	0.05	0.00	0.59	320.70	5.80	318.30	8.20	301.00	51.00	318.30	8.20	0.75	
Banaston_B1_25	251.00	1.88	5.09	0.09	0.31	0.01	0.64	1836.00	14.00	1732.00	26.00	1947.00	26.00	1947.00	26.00	11.04	
Banaston_B1_26	50.90	1.16	1.44	0.04	0.15	0.01	0.56	905.00	17.00	907.00	31.00	913.00	65.00	913.00	65.00	1.20	
Banaston_B1_27	271.20	2.30	12.60	0.22	0.45	0.01	0.86	2650.00	16.00	2377.00	40.00	2844.00	16.00	2844.00	16.00	16.42	
Banaston_B1_28	206.00	4.24	5.34	0.15	0.29	0.01	0.65	1872.00	24.00	1641.00	33.00	2154.00	34.00	2154.00	34.00	23.82	
Banaston_B1_29	443.00	3.70	0.73	0.03	0.09	0.00	0.63	556.00	14.00	537.00	20.00	615.00	73.00	537.00	20.00	3.42	
Banaston_B1_30	469.00	1.34	0.90	0.03	0.11	0.00	0.61	651.00	16.00	652.00	24.00	607.00	61.00	652.00	24.00	0.15	
Banaston_B1_31	441.00	2.66	0.40	0.02	0.05	0.00	0.54	342.00	13.00	311.00	20.00	570.00	110.00	311.00	20.00	9.06	
Banaston_B1_32	306.00	1.84	1.50	0.04	0.14	0.00	0.67	928.00	15.00	869.00	19.00	1025.00	39.00	1025.00	39.00	15.22	
Banaston_B1_33	281.00	2.24	0.39	0.01	0.05	0.00	0.69	336.40	7.90	328.00	11.00	362.00	58.00	328.00	11.00	2.50	
Banaston_B1_34	173.00	2.69	0.45	0.01	0.06	0.00	0.51	378.60	7.30	380.10	8.40	332.00	47.00	380.10	8.40	0.40	
Banaston_B1_35	183.10	2.85	0.91	0.01	0.11	0.00	0.52	655.40	7.60	650.00	10.00	678.00	32.00	650.00	10.00	0.82	
Banaston_B1_36	434.00	2.76	6.20	0.10	0.35	0.01	0.75	2093.00	15.00	1940.00	31.00	2074.00	24.00	2074.00	24.00	6.46	
Banaston_B1_37	434.00	5.20	0.40	0.02	0.05	0.00	0.48	341.00	12.00	309.00	12.00	524.00	93.00	309.00	12.00	9.38	
Banaston_B1_38	306.60	1.57	0.61	0.01	0.08	0.00	0.60	481.60	7.90	481.00	12.00	497.00	50.00	481.00	12.00	0.12	
Banaston_B1_39	289.50	8.59	5.85	0.08	0.33	0.01	0.74	1953.00	12.00	1842.00	26.00	2063.00	17.00	2063.00	17.00	10.71	
Banaston_B1_40	233.00	1.09	6.72	0.11	0.37	0.01	0.72	2073.00	14.00	2042.00	33.00	2115.00	24.00	2115.00	24.00	3.45	
Banaston_B1_41	132.90	1.94	0.67	0.02	0.08	0.00	0.49	519.50	9.50	515.00	11.00	552.00	49.00	515.00	11.00	0.87	
Banaston_B1_42	93.50	1.51	3.90	0.09	0.25	0.01	0.69	1613.00	19.00	1413.00	30.00	1906.00	33.00	1906.00	33.00	25.87	
Banaston_B1_43	241.00	1.22	1.58	0.03	0.16	0.00	0.57	961.00	12.00	947.00	21.00	983.00	39.00	983.00	39.00	3.66	
Banaston_B1_44	264.30	3.20	0.92	0.02	0.11	0.00	0.61	661.00	11.00	659.00	16.00	696.00	47.00	659.00	16.00	0.30	
Banaston_B1_45	572.00	2.16	0.71	0.03	0.08	0.00	0.76	546.00	17.00	478.00	18.00	860.00	44.00	DISC	DISC	12.45	
Banaston_B1_46	753.00	122.00	1.02	0.02	0.12	0.00	0.73	714.70	8.90	711.00	11.00	745.00	28.00	711.00	11.00	0.52	

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error Age (Ma)	206/238 Age (Ma)	2σ error Age (Ma)	207/206 Age (Ma)	2σ error Age (Ma)	Best age Age (Ma)	2σ error Age (Ma)	Discordance %	Rim / Core
Banaston_B1_47	127.20	1.60	1.02	0.03	0.11	0.00	0.52	712.00	14.00	683.00	16.00	805.00	49.00	683.00	16.00	4.07	
Banaston_B1_48	477.00	2.45	0.36	0.01	0.05	0.00	0.76	309.80	5.60	303.60	6.00	332.00	36.00	303.60	6.00	2.00	
Banaston_B1_49	278.20	2.06	0.40	0.01	0.05	0.00	0.30	340.10	6.70	290.50	5.80	660.00	54.00	DISC	DISC	14.58	
Banaston_B1_50	266.00	2.59	0.37	0.01	0.05	0.00	0.70	323.00	7.70	318.00	11.00	358.00	58.00	318.00	11.00	1.55	
Banaston_B1_51	357.00	6.20	0.68	0.01	0.08	0.00	0.33	526.30	5.70	518.90	5.40	545.00	32.00	518.90	5.40	1.41	
Banaston_B1_52	170.90	1.88	0.31	0.01	0.04	0.00	0.66	276.90	5.90	266.30	6.70	336.00	46.00	266.30	6.70	3.83	
Banaston_B1_53	455.00	3.77	0.34	0.01	0.05	0.00	0.64	297.20	4.30	293.00	4.00	312.00	30.00	293.00	4.00	1.41	
Banaston_B1_54	770.00	3.30	0.34	0.01	0.04	0.00	0.88	299.20	5.30	279.90	5.30	439.00	50.00	279.90	5.30	6.45	
Banaston_B1_55	269.00	7.70	2.06	0.17	0.14	0.01	0.88	1139.00	58.00	849.00	33.00	1729.00	86.00	DISC	DISC	25.46	Rim
Banaston_B1_55	67.50	0.76	12.97	0.20	0.46	0.01	0.64	2676.00	15.00	2441.00	29.00	2839.00	18.00	2839.00	18.00	14.02	Core
Banaston_B1_56	196.00	0.93	1.42	0.07	0.14	0.01	0.64	892.00	27.00	822.00	39.00	1070.00	89.00	822.00	39.00	7.85	
Banaston_B1_57	341.00	0.84	0.97	0.02	0.11	0.00	0.73	688.30	8.50	682.00	14.00	681.00	37.00	682.00	14.00	0.92	
Banaston_B1_58	404.00	0.56	0.89	0.03	0.09	0.00	0.85	643.00	15.00	558.00	18.00	940.00	35.00	DISC	DISC	13.22	
Banaston_B1_59	686.00	2.84	0.37	0.01	0.05	0.00	0.65	320.80	4.50	304.80	6.10	415.00	38.00	304.80	6.10	4.99	
Banaston_B1_60	517.00	2.45	0.38	0.01	0.05	0.00	0.70	327.00	8.50	324.00	11.00	358.00	58.00	324.00	11.00	0.92	
Banaston_B1_61	244.70	1.91	4.54	0.06	0.28	0.00	0.61	1738.00	11.00	1607.00	22.00	1900.00	24.00	1900.00	24.00	15.42	
Banaston_B1_62	36.40	1.63	13.48	0.38	0.50	0.01	0.67	2712.00	28.00	2602.00	42.00	2763.00	35.00	2763.00	35.00	5.83	
Banaston_B1_63	123.00	1.25	1.47	0.03	0.15	0.00	0.45	919.00	13.00	889.00	16.00	965.00	42.00	965.00	42.00	7.88	
Banaston_B1_64	190.00	2.32	0.38	0.01	0.05	0.00	0.52	327.10	7.90	326.00	10.00	271.00	65.00	326.00	10.00	0.34	
Banaston_B1_65	300.00	1.97	0.76	0.01	0.09	0.00	0.72	576.40	6.10	570.70	8.60	586.00	27.00	570.70	8.60	0.99	
Banaston_B1_66	33.10	1.24	0.87	0.02	0.10	0.00	0.14	637.00	13.00	630.00	10.00	662.00	64.00	630.00	10.00	1.10	
Banaston_B1_67	365.00	1.17	0.44	0.01	0.06	0.00	0.57	372.80	6.50	358.20	9.30	437.00	47.00	358.20	9.30	3.92	
Banaston_B1_68	554.00	2.76	0.39	0.01	0.05	0.00	0.61	336.90	6.90	334.80	9.50	380.00	49.00	334.80	9.50	0.62	
Banaston_B1_69	131.60	1.44	10.55	0.40	0.42	0.02	0.71	2480.00	35.00	2271.00	81.00	2640.00	45.00	2640.00	45.00	13.98	
Banaston_B1_70	134.50	1.30	1.73	0.04	0.16	0.00	0.72	1018.00	16.00	963.00	24.00	1102.00	42.00	1102.00	42.00	12.61	
Banaston_B1_71	113.60	2.29	1.07	0.04	0.12	0.01	0.50	738.00	21.00	721.00	35.00	766.00	96.00	721.00	35.00	2.30	
Banaston_B1_72	11.90	2.91	0.23	0.05	0.02	0.00	0.42	216.00	48.00	158.00	23.00	860.00	490.00	DISC	DISC	26.85	
Banaston_B1_73	450.00	1.45	0.41	0.01	0.05	0.00	0.76	347.40	9.20	293.00	12.00	743.00	64.00	DISC	DISC	15.66	
Banaston_B1_74	389.00	2.16	0.35	0.01	0.05	0.00	0.64	306.50	4.20	307.90	4.90	314.00	37.00	307.90	4.90	0.46	
Banaston_B1_75	54.50	0.90	1.50	0.03	0.15	0.00	0.52	930.00	12.00	894.00	20.00	1022.00	41.00	1022.00	41.00	12.52	
Banaston_B1_76	28.00	1.17	0.48	0.03	0.06	0.00	0.06	396.00	19.00	377.00	13.00	460.00	130.00	377.00	13.00	4.80	
Banaston_B1_77	167.60	0.62	0.82	0.02	0.10	0.00	0.52	607.30	9.70	597.00	12.00	682.00	43.00	597.00	12.00	1.70	
Banaston_B1_78	306.00	3.03	0.71	0.01	0.09	0.00	0.64	543.30	7.30	529.60	8.20	615.00	31.00	529.60	8.20	2.52	
Banaston_B1_79	500.00	15.30	3.37	0.09	0.21	0.01	0.58	1495.00	20.00	1244.00	36.00	1907.00	46.00	DISC	DISC	34.77	
Banaston_B1_80	337.00	2.51	0.81	0.01	0.09	0.00	0.59	602.60	7.90	583.30	9.40	664.00	30.00	583.30	9.40	3.20	
Banaston_B1_81	132.10	1.90	2.26	0.07	0.18	0.01	0.52	1195.00	21.00	1056.00	43.00	1417.00	69.00	1417.00	69.00	25.48	
Banaston_B1_82	142.80	1.17	9.83	0.10	0.40	0.01	0.70	2418.30	9.30	2179.00	34.00	2625.00	22.00	2625.00	22.00	16.99	
Banaston_B1_83	351.00	2.48	0.22	0.01	0.03	0.00	0.74	198.30	5.20	163.50	5.10	616.00	51.00	DISC	DISC	17.55	
Banaston_B1_84	404.00	2.34	0.34	0.01	0.05	0.00	0.53	294.40	4.20	288.70	4.60	336.00	35.00	288.70	4.60	1.94	
Banaston_B1_85	305.00	2.42	1.77	0.04	0.17	0.00	0.60	1034.00	14.00	1038.00	25.00	1016.00	45.00	1016.00	45.00	2.17	
Banaston_B1_86	169.00	2.29	0.89	0.03	0.11	0.00	0.66	648.00	13.00	653.00	19.00	602.00	49.00	653.00	19.00	0.77	
Banaston_B1_87	520.00	2.58	0.35	0.01	0.05	0.00	0.70	302.70	5.10	293.30	5.80	330.00	35.00	293.30	5.80	3.11	
Banaston_B1_88	131.00	2.27	0.85	0.02	0.10	0.00	0.49	625.00	13.00	585.00	14.00	729.00	54.00	585.00	14.00	6.40	
Banaston_B1_89	48.00	5.94	6.02	0.10	0.36	0.01	0.56	1977.00	15.00	1962.00	31.00	1990.00	28.00	1990.00	28.00	1.41	
Banaston_B1_90	362.00	5.69	0.38	0.01	0.05	0.00	0.55	325.70	6.80	326.00	10.00	352.00	60.00	326.00	10.00	0.09	
Banaston_B1_91	250.30	28.30	0.41	0.01	0.05	0.00	0.47	351.10	8.00	343.00	12.00	368.00	77.00	343.00	12.00	2.31	
Banaston_B1_92	188.40	1.46	0.78	0.02	0.09	0.00	0.43	585.00	12.00	584.00	18.00	591.00	66.00	584.00	18.00	0.17	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error Age (Ma)	206/238 Age (Ma)	2σ error Age (Ma)	207/206 Age (Ma)	2σ error Age (Ma)	Best age Age (Ma)	2σ error Age (Ma)	Discordance %	Rim / Core
Banaston_B1_93	166.00	2.45	1.05	0.03	0.11	0.00	0.58	729.00	12.00	690.00	17.00	834.00	48.00	690.00	17.00	5.35	
Banaston_B1_94	300.00	2.91	5.26	0.12	0.31	0.01	0.71	1861.00	19.00	1731.00	31.00	2010.00	27.00	2010.00	27.00	13.88	
Banaston_B1_96	198.00	28.80	6.30	0.12	0.37	0.01	0.68	2017.00	16.00	2010.00	46.00	2021.00	33.00	2021.00	33.00	0.54	
Banaston_B1_97	360.00	2.21	0.36	0.01	0.05	0.00	0.44	315.00	4.80	310.30	5.20	338.00	44.00	310.30	5.20	1.49	
Banaston_B1_99	405.00	2.70	0.35	0.01	0.05	0.00	0.59	307.00	5.90	304.00	8.80	351.00	53.00	304.00	8.80	0.98	
Banaston_B1_100	193.00	0.72	1.69	0.02	0.17	0.00	0.61	1004.60	7.70	1005.00	14.00	1011.00	30.00	1011.00	30.00	0.59	
Banaston_B1_101	606.00	1.03	0.37	0.00	0.05	0.00	0.67	318.60	3.70	306.20	4.80	398.00	26.00	306.20	4.80	3.89	
Banaston_B1_102	280.00	2.27	0.52	0.01	0.07	0.00	0.50	428.60	6.80	425.30	7.30	465.00	37.00	425.30	7.30	0.77	
Banaston_B1_103	218.00	1.88	0.80	0.02	0.10	0.00	0.62	593.00	11.00	605.00	15.00	544.00	44.00	605.00	15.00	2.02	
Banaston_B1_104	654.00	5.51	0.67	0.01	0.08	0.00	0.69	520.80	8.80	514.00	13.00	577.00	44.00	514.00	13.00	1.31	
Banaston_B1_105	1101.00	28.07	0.37	0.00	0.05	0.00	0.57	321.80	2.90	329.50	3.50	304.00	22.00	329.50	3.50	2.39	
Banaston_B1_106	58.10	1.22	7.00	0.11	0.38	0.01	0.69	2110.00	13.00	2096.00	27.00	2157.00	18.00	2157.00	18.00	2.83	
Banaston_B1_107	510.00	1.90	0.37	0.01	0.05	0.00	0.74	321.90	5.80	318.00	5.00	359.00	32.00	318.00	5.00	1.21	
Banaston_B1_108	604.00	2.73	0.42	0.01	0.06	0.00	0.62	353.70	8.40	355.00	9.90	357.00	57.00	355.00	9.90	0.37	
Banaston_B1_109	619.00	1.63	0.79	0.01	0.10	0.00	0.63	591.30	5.20	587.40	7.20	622.00	22.00	587.40	7.20	0.66	
Banaston_B1_110	144.00	2.48	0.59	0.02	0.07	0.00	0.46	470.00	11.00	465.00	11.00	491.00	61.00	465.00	11.00	1.06	
Banaston_B1_111	14.44	1.91	3.95	0.29	0.28	0.02	0.67	1610.00	60.00	1566.00	91.00	1710.00	100.00	1710.00	100.00	8.42	
Banaston_B1_112	220.60	2.60	0.38	0.01	0.05	0.00	0.54	323.20	6.30	325.10	7.90	303.00	54.00	325.10	7.90	0.59	
Banaston_B1_113	109.30	3.08	0.89	0.04	0.10	0.01	0.72	645.00	19.00	636.00	33.00	624.00	84.00	636.00	33.00	1.40	
Banaston_B1_114	279.00	0.67	0.82	0.01	0.10	0.00	0.42	609.20	6.00	598.00	9.30	656.00	33.00	598.00	9.30	1.84	
Banaston_B1_115	543.00	3.05	0.37	0.01	0.05	0.00	0.49	319.20	6.50	311.50	8.30	384.00	58.00	311.50	8.30	2.41	
Banaston_B1_116	111.00	3.16	0.89	0.01	0.10	0.00	0.44	647.40	7.80	633.30	9.10	709.00	35.00	633.30	9.10	2.18	
Banaston_B1_117	564.00	5.61	0.40	0.01	0.04	0.00	0.78	341.50	8.50	223.40	6.50	1297.00	52.00	DISC	DISC	34.58	
Banaston_B1_118	252.40	10.03	0.52	0.01	0.07	0.00	0.57	428.90	9.20	417.00	12.00	546.00	58.00	417.00	12.00	2.77	Rim
Banaston_B1_118	195.00	3.62	0.79	0.03	0.10	0.00	0.88	591.00	18.00	588.00	26.00	640.00	37.00	588.00	26.00	0.51	Core
Banaston_B1_119	417.00	2.61	0.66	0.01	0.08	0.00	0.64	514.70	7.30	510.00	12.00	559.00	36.00	510.00	12.00	0.91	
Banaston_B1_120	438.00	2.15	0.38	0.01	0.05	0.00	0.67	329.80	7.10	330.10	9.80	347.00	53.00	330.10	9.80	0.09	
Banaston_B6_1	540.00	1.46	6.35	0.07	0.39	0.00	0.71	2024.90	9.30	2140.00	22.00	1888.00	17.00	1888.00	17.00	13.35	
Banaston_B6_2	737.00	4.94	0.27	0.01	0.02	0.00	0.76	244.70	7.00	144.10	5.00	1371.00	51.00	DISC	DISC	41.11	
Banaston_B6_3	512.00	2.90	0.40	0.01	0.05	0.00	0.46	341.00	6.40	307.50	7.30	568.00	53.00	307.50	7.30	9.82	
Banaston_B6_4	47.00	1.63	3.53	0.22	0.21	0.01	0.94	1527.00	50.00	1231.00	73.00	1962.00	33.00	DISC	DISC	37.26	
Banaston_B6_5	145.00	0.92	0.77	0.02	0.09	0.00	0.71	578.30	9.30	571.30	9.90	611.00	31.00	571.30	9.90	1.21	
Banaston_B6_6	377.00	3.01	0.42	0.01	0.06	0.00	0.57	358.40	5.40	360.60	7.20	335.00	38.00	360.60	7.20	0.61	
Banaston_B6_7	710.00	2.32	0.43	0.01	0.06	0.00	0.22	362.00	4.10	367.10	4.60	334.00	29.00	367.10	4.60	1.41	
Banaston_B6_8	447.00	2.61	0.40	0.01	0.05	0.00	0.32	340.80	4.30	331.00	3.20	417.00	33.00	331.00	3.20	2.88	
Banaston_B6_9	521.00	3.55	1.34	0.05	0.14	0.00	0.72	868.00	22.00	860.00	22.00	939.00	22.00	939.00	22.00	8.41	
Banaston_B6_10	1186.00	7.35	0.65	0.02	0.08	0.00	0.71	510.00	11.00	522.90	7.60	468.00	51.00	522.90	7.60	2.53	Rim
Banaston_B6_10	455.00	1.46	1.46	0.04	0.15	0.00	0.72	917.00	19.00	913.00	25.00	942.00	53.00	942.00	53.00	3.08	Core
Banaston_B6_11	496.00	2.33	0.40	0.01	0.05	0.00	0.10	338.80	3.90	338.90	3.40	357.00	27.00	338.90	3.40	0.19	
Banaston_B6_12	732.00	2.04	0.41	0.00	0.06	0.00	0.41	351.20	2.60	358.90	2.50	303.00	20.00	358.90	2.50	2.19	
Banaston_B6_13	218.60	2.14	0.39	0.01	0.05	0.00	0.11	337.30	6.20	344.10	6.30	291.00	50.00	344.10	6.30	2.02	
Banaston_B6_14	378.00	2.21	0.41	0.00	0.06	0.00	0.37	346.20	3.50	349.50	3.50	324.00	29.00	349.50	3.50	0.95	
Banaston_B6_15	426.00	2.25	0.49	0.01	0.06	0.00	0.95	406.20	9.00	354.30	5.80	687.00	39.00	DISC	DISC	12.78	
Banaston_B6_16	460.00	4.19	1.65	0.03	0.17	0.00	0.87	990.00	11.00	996.00	15.00	961.00	18.00	961.00	18.00	3.64	
Banaston_B6_17	368.40	2.23	0.40	0.00	0.05	0.00	0.26	339.50	3.20	335.40	3.80	349.00	30.00	335.40	3.80	1.21	
Banaston_B6_18	620.00	1.91	0.41	0.01	0.05	0.00	0.50	346.30	3.90	344.30	4.50	343.00	29.00	344.30	4.50	0.58	
Banaston_B6_19	667.00	2.58	0.41	0.01	0.06	0.00	0.76	345.70	5.60	348.60	5.80	309.00	30.00	348.60	5.80	0.84	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error Age (Ma)	206/238 Age (Ma)	2σ error Age (Ma)	207/206 Age (Ma)	2σ error Age (Ma)	Best age Age (Ma)	2σ error Age (Ma)	Discordance %	Rim / Core
Banaston_B6_20	264.00	1.72	0.46	0.01	0.06	0.00	0.19	381.80	4.50	381.40	35.00	355.00	35.00	381.40	3.60	0.10	
Banaston_B6_21	415.00	1.78	0.38	0.01	0.05	0.00	0.70	325.20	4.20	328.40	29.00	303.00	29.00	328.40	4.40	0.98	
Banaston_B6_22	504.00	10.64	0.42	0.01	0.06	0.00	0.60	357.90	8.70	349.80	52.00	397.00	52.00	349.80	6.80	2.26	
Banaston_B6_23	321.00	2.97	0.36	0.01	0.05	0.00	0.54	309.30	4.60	308.10	40.00	306.00	40.00	308.10	5.30	0.39	
Banaston_B6_24	849.00	0.84	0.95	0.02	0.11	0.00	0.90	677.20	8.00	692.00	16.00	617.00	16.00	692.00	11.00	2.19	
Banaston_B6_25	1428.00	7.23	0.84	0.01	0.10	0.00	0.42	619.00	4.70	624.00	28.00	584.00	28.00	624.00	7.10	0.81	
Banaston_B6_26	76.90	0.63	4.82	0.05	0.31	0.00	0.54	1787.70	9.10	1754.00	19.00	1828.00	20.00	1828.00	20.00	4.05	
Banaston_B6_27	449.00	1.98	0.43	0.01	0.08	0.00	0.17	366.10	5.90	362.20	35.00	412.00	35.00	362.20	5.10	1.07	
Banaston_B6_28	308.00	4.69	0.64	0.01	0.08	0.00	0.37	504.20	4.20	503.60	27.00	484.00	27.00	503.60	5.10	0.12	
Banaston_B6_29	418.00	1.54	1.64	0.05	0.17	0.00	0.93	983.00	21.00	1000.00	27.00	950.00	23.00	950.00	23.00	5.26	
Banaston_B6_30	143.10	0.49	3.45	0.04	0.26	0.00	0.59	1515.00	10.00	1473.00	17.00	1561.00	24.00	1561.00	24.00	5.64	
Banaston_B6_31	593.00	2.82	0.40	0.01	0.06	0.00	0.41	345.00	4.10	348.60	33.00	336.00	33.00	348.60	4.60	1.04	
Banaston_B6_32	651.00	3.86	0.44	0.01	0.06	0.00	0.19	371.50	5.00	371.00	27.00	371.00	27.00	371.00	4.70	0.13	
Banaston_B6_33	623.00	2.52	0.39	0.01	0.05	0.00	0.56	335.60	4.70	340.10	28.00	305.00	28.00	340.10	3.70	1.34	
Banaston_B6_34	1060.00	113.00	0.39	0.01	0.05	0.00	0.43	336.60	4.20	339.70	33.00	326.00	33.00	339.70	5.90	0.92	Rim
Banaston_B6_34	294.00	2.50	0.66	0.02	0.08	0.00	0.70	515.00	14.00	522.00	16.00	490.00	16.00	522.00	16.00	1.36	Core
Banaston_B6_35	1211.00	1.03	0.46	0.01	0.06	0.00	0.67	382.50	5.10	394.40	29.00	320.00	29.00	394.40	7.10	3.11	
Banaston_B6_36	671.00	2.38	0.39	0.00	0.05	0.00	0.41	332.30	3.50	336.20	30.00	285.00	30.00	336.20	3.30	1.17	
Banaston_B6_37	391.00	2.68	0.89	0.01	0.11	0.00	0.61	644.50	7.20	653.00	28.00	639.00	28.00	653.00	7.30	1.32	
Banaston_B6_38	283.00	2.97	0.43	0.01	0.05	0.00	0.13	362.60	6.00	331.20	49.00	598.00	49.00	331.20	4.10	8.66	
Banaston_B6_39	38.00	1.59	13.34	0.25	0.50	0.01	0.72	2702.00	18.00	2606.00	34.00	2794.00	23.00	2794.00	23.00	6.73	
Banaston_B6_40	203.00	1.83	4.89	0.09	0.32	0.00	0.78	1804.00	14.00	1790.00	16.00	1806.00	16.00	1806.00	16.00	0.89	
Banaston_B6_41	661.00	1.72	0.39	0.00	0.05	0.00	0.43	330.70	3.00	337.60	22.00	280.00	22.00	337.60	2.80	2.09	
Banaston_B6_42	371.00	5.86	0.63	0.01	0.08	0.00	0.41	494.10	6.00	494.30	32.00	503.00	32.00	494.30	5.50	0.04	
Banaston_B6_43	558.00	2.51	0.43	0.01	0.06	0.00	0.68	362.50	5.70	359.10	36.00	376.00	36.00	359.10	7.60	0.94	
Banaston_B6_44	775.00	1.81	0.41	0.01	0.05	0.00	0.13	352.00	10.00	342.00	76.00	397.00	76.00	342.00	11.00	2.84	
Banaston_B6_45	559.00	2.33	0.39	0.01	0.05	0.00	0.69	335.90	4.10	332.90	24.00	347.00	24.00	332.90	4.40	0.89	
Banaston_B6_46	362.00	1.72	0.41	0.01	0.05	0.00	0.61	347.60	6.70	341.60	39.00	356.00	39.00	341.60	5.20	1.73	
Banaston_B6_47	490.00	2.91	0.38	0.00	0.05	0.00	0.29	329.00	3.60	331.50	32.00	299.00	32.00	331.50	3.40	0.76	
Banaston_B6_48	393.00	2.53	0.38	0.00	0.05	0.00	0.30	330.30	3.10	330.60	31.00	310.00	31.00	330.60	3.70	0.09	
Banaston_B6_49	437.00	1.93	0.40	0.01	0.05	0.00	0.51	344.30	6.00	326.80	47.00	466.00	47.00	326.80	7.00	5.08	
Banaston_B6_50	210.00	1.31	0.46	0.01	0.06	0.00	0.48	387.40	4.70	384.70	33.00	413.00	33.00	384.70	4.40	0.70	
Banaston_B6_51	446.00	2.46	0.38	0.01	0.05	0.00	0.30	328.90	4.30	328.00	36.00	314.00	36.00	328.00	3.60	0.27	
Banaston_B6_52	2780.00	3.71	0.44	0.01	0.06	0.00	0.90	369.80	6.60	371.30	28.00	348.00	28.00	371.30	8.80	0.41	
Banaston_B6_53	420.00	2.26	0.46	0.01	0.06	0.00	0.30	382.50	4.00	361.60	43.00	513.00	43.00	361.60	6.20	5.46	
Banaston_B6_54	265.00	4.99	0.63	0.01	0.08	0.00	0.49	493.20	6.20	494.80	37.00	456.00	37.00	494.80	7.30	0.32	
Banaston_B6_55	595.00	2.62	0.39	0.00	0.05	0.00	0.66	336.20	3.30	337.10	22.00	327.00	22.00	337.10	3.70	0.27	
Banaston_B6_56	205.90	2.34	0.45	0.01	0.05	0.00	0.33	375.40	7.90	343.50	52.00	562.00	52.00	343.50	4.00	8.50	
Banaston_B6_57	262.50	1.54	1.72	0.02	0.16	0.00	0.59	1013.90	5.80	975.20	16.00	1096.00	16.00	1096.00	16.00	11.02	
Banaston_B6_58	581.00	1.94	0.37	0.00	0.05	0.00	0.38	319.40	3.00	322.90	25.00	295.00	25.00	322.90	3.40	1.10	
Banaston_B6_59	152.60	0.53	0.88	0.02	0.10	0.00	0.13	639.30	8.60	635.30	50.00	638.00	50.00	635.30	9.50	0.63	
Banaston_B6_60	518.00	2.13	0.38	0.01	0.05	0.00	0.60	327.40	6.10	321.80	37.00	339.00	37.00	321.80	4.80	1.71	
Banaston_B6_61	114.70	1.32	0.90	0.02	0.11	0.00	0.27	648.50	8.50	660.00	11.00	611.00	11.00	660.00	11.00	1.77	
Banaston_B6_62	1012.00	1.71	0.41	0.01	0.06	0.00	0.65	347.90	4.10	351.00	26.00	320.00	26.00	351.00	4.60	0.89	
Banaston_B6_63	526.00	0.82	1.24	0.02	0.14	0.00	0.52	821.80	9.30	819.00	35.00	818.00	35.00	819.00	11.00	0.34	Rim
Banaston_B6_63	14.31	8.04	10.08	0.27	0.45	0.01	0.23	2446.00	26.00	2403.00	64.00	2467.00	64.00	2467.00	64.00	2.59	Core
Banaston_B6_64	586.00	1.92	0.38	0.00	0.05	0.00	0.50	329.20	3.00	330.10	24.00	305.00	24.00	330.10	3.10	0.27	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Age (Ma)	2σ error	Discordance	Rim / Core
Banaston B6_65	151.10	1.32	0.34	0.01	0.05	0.00	0.39	294.60	5.40	295.60	5.90	293.00	52.00	295.60	5.90	295.60	52.00	0.34	
Banaston B6_66	156.10	1.73	1.54	0.02	0.16	0.00	0.78	945.80	8.70	941.00	12.00	967.00	34.00	967.00	20.00	967.00	34.00	2.69	
Banaston B6_67	639.00	2.05	0.72	0.02	0.09	0.00	0.73	548.00	11.00	551.00	11.00	557.00	30.00	551.00	11.00	551.00	30.00	0.55	
Banaston B6_68	879.00	53.00	0.38	0.01	0.05	0.00	0.56	328.30	3.90	331.00	3.10	297.00	26.00	331.00	3.10	331.00	26.00	0.82	
Banaston B6_69	697.00	2.96	0.36	0.01	0.05	0.00	0.59	309.60	4.30	305.80	4.10	336.00	30.00	305.80	4.10	305.80	30.00	1.23	
Banaston B6_70	354.00	3.73	0.65	0.01	0.08	0.00	0.48	505.80	4.50	503.60	5.40	511.00	26.00	503.60	5.40	503.60	26.00	0.43	
Banaston B6_71	441.00	0.77	0.88	0.01	0.11	0.00	0.60	639.70	5.10	645.40	6.70	626.00	19.00	645.40	6.70	645.40	19.00	0.89	
Banaston B6_72	1240.00	2.13	0.37	0.01	0.05	0.00	0.87	321.40	4.90	322.80	5.40	300.00	19.00	322.80	5.40	322.80	19.00	0.44	
Banaston B6_73	311.00	1.04	0.36	0.01	0.05	0.00	0.36	309.70	4.40	313.90	4.60	294.00	34.00	313.90	4.60	313.90	34.00	1.36	
Banaston B6_74	830.00	2.16	0.29	0.01	0.04	0.00	0.56	257.60	5.70	225.90	5.30	571.00	47.00	DISC	DISC	DISC	47.00	12.31	
Banaston B6_75	849.00	2.71	0.47	0.02	0.05	0.00	0.57	394.00	11.00	340.20	9.20	671.00	57.00	DISC	DISC	DISC	57.00	13.65	
Banaston B6_76	573.00	18.60	12.16	0.25	0.49	0.01	0.75	2614.00	20.00	2550.00	45.00	2674.00	27.00	2674.00	27.00	2674.00	27.00	4.64	
Banaston B6_77	222.70	0.94	1.03	0.02	0.12	0.00	0.70	717.00	12.00	737.00	12.00	691.00	42.00	737.00	12.00	737.00	42.00	2.79	
Banaston B6_78	548.00	1.73	0.37	0.00	0.05	0.00	0.62	316.00	3.50	323.50	3.00	288.00	23.00	323.50	3.00	323.50	23.00	2.37	
Banaston B6_79	168.20	2.88	0.38	0.01	0.05	0.00	0.36	323.60	5.60	331.50	5.00	275.00	48.00	331.50	5.00	331.50	48.00	2.44	
Banaston B6_80	542.00	2.87	0.42	0.01	0.06	0.00	0.60	352.90	6.40	354.00	8.80	370.00	43.00	354.00	8.80	354.00	43.00	0.31	
Banaston B6_81	636.00	2.42	0.40	0.00	0.06	0.00	0.10	342.60	3.40	352.30	3.40	295.00	35.00	352.30	3.40	352.30	35.00	2.83	
Banaston B6_82	376.00	2.42	0.38	0.01	0.05	0.00	0.60	328.80	3.80	332.80	3.20	311.00	26.00	332.80	3.20	332.80	26.00	1.22	
Banaston B6_83	161.30	1.11	1.73	0.02	0.17	0.00	0.47	1019.10	8.10	1037.00	13.00	986.00	31.00	986.00	31.00	986.00	31.00	5.17	
Banaston B6_84	645.00	12.81	0.79	0.01	0.10	0.00	0.70	588.50	5.80	598.30	7.10	557.00	24.00	598.30	7.10	598.30	24.00	1.67	
Banaston B6_85	714.00	2.59	0.40	0.01	0.06	0.00	0.69	343.00	4.10	348.10	3.90	322.00	24.00	348.10	3.90	348.10	24.00	1.49	
Banaston B6_86	475.00	3.83	0.41	0.01	0.05	0.00	0.51	346.70	4.80	343.50	4.00	375.00	31.00	343.50	4.00	343.50	31.00	0.92	
Banaston B6_87	341.10	0.68	5.55	0.09	0.33	0.00	0.74	1913.00	14.00	1852.00	23.00	2000.00	22.00	2000.00	22.00	2000.00	22.00	7.40	
Banaston B6_88	740.00	272.00	0.38	0.02	0.05	0.00	0.71	326.00	17.00	321.10	7.50	379.00	96.00	321.10	7.50	321.10	96.00	1.50	Rim
Banaston B6_88	77.90	0.64	7.79	0.13	0.42	0.01	0.51	2207.00	14.00	2259.00	30.00	2169.00	24.00	2169.00	24.00	2169.00	24.00	4.15	Core
Banaston B6_89	507.00	1.70	0.39	0.01	0.05	0.00	0.38	333.10	4.50	325.90	4.00	384.00	36.00	325.90	4.00	325.90	36.00	2.16	
Banaston B6_90	680.00	1.67	0.38	0.01	0.05	0.00	0.55	326.20	3.70	330.00	2.80	309.00	25.00	330.00	2.80	330.00	25.00	1.16	
Banaston B6_91	720.00	2.79	0.41	0.01	0.06	0.00	0.51	352.40	5.70	354.60	6.70	354.00	39.00	354.60	6.70	354.60	39.00	0.62	
Banaston B6_92	620.00	2.63	0.38	0.00	0.05	0.00	0.46	330.20	2.40	332.40	2.80	303.00	21.00	332.40	2.80	332.40	21.00	0.67	
Banaston B6_93	618.00	2.10	0.37	0.00	0.05	0.00	0.16	322.30	2.70	324.40	2.20	301.00	21.00	324.40	2.20	324.40	21.00	0.65	
Banaston B6_94	790.00	2.03	0.38	0.01	0.05	0.00	0.58	324.60	3.80	323.30	4.60	312.00	31.00	323.30	4.60	323.30	31.00	0.40	
Banaston B6_95	700.00	1.53	0.39	0.01	0.05	0.00	0.24	335.40	4.60	333.30	4.90	333.00	34.00	333.30	4.90	333.30	34.00	0.63	
Banaston B6_96	260.00	2.55	1.00	0.01	0.12	0.00	0.56	705.00	6.40	705.20	8.40	717.00	22.00	705.20	8.40	705.20	22.00	0.93	
Banaston B6_97	704.00	1.70	0.38	0.00	0.05	0.00	0.49	327.90	3.10	324.80	3.50	328.00	23.00	324.80	3.50	324.80	23.00	0.95	
Banaston B6_98	246.80	1.56	0.35	0.01	0.05	0.00	0.09	303.30	3.80	301.60	3.10	288.00	38.00	301.60	3.10	301.60	38.00	0.56	
Banaston B6_99	795.00	1.62	0.40	0.01	0.05	0.00	0.09	340.20	5.90	324.20	6.80	439.00	72.00	324.20	6.80	324.20	72.00	4.70	
Banaston B6_100	572.00	1.32	0.88	0.02	0.10	0.00	0.36	639.00	11.00	618.00	8.20	669.00	35.00	618.00	8.20	618.00	35.00	3.29	
Banaston B6_101	687.00	2.04	0.40	0.01	0.05	0.00	0.58	338.00	5.20	338.70	6.30	326.00	38.00	338.70	6.30	338.70	38.00	0.21	
Banaston B6_102	1292.00	7.20	1.56	0.03	0.15	0.00	0.73	955.00	10.00	886.00	17.00	1100.00	30.00	1100.00	30.00	1100.00	30.00	19.45	
Banaston B6_103	461.00	2.08	0.39	0.01	0.05	0.00	0.67	331.10	5.70	327.60	5.10	358.00	35.00	327.60	5.10	327.60	35.00	1.06	
Banaston B6_104	234.00	1.30	0.35	0.01	0.05	0.00	0.14	301.90	4.60	299.60	3.90	301.00	44.00	299.60	3.90	299.60	44.00	0.76	
Banaston B6_105	331.00	3.11	0.86	0.01	0.10	0.00	0.42	632.20	4.70	634.50	6.50	606.00	22.00	634.50	6.50	634.50	22.00	0.36	
Banaston B6_106	388.00	2.16	0.39	0.01	0.05	0.00	0.42	331.20	4.20	331.70	4.80	328.00	34.00	331.70	4.80	331.70	34.00	0.15	
Banaston B6_107	501.00	2.05	0.36	0.00	0.05	0.00	0.42	315.80	3.20	316.00	2.90	319.00	27.00	316.00	2.90	316.00	27.00	0.06	
Banaston B6_108	847.00	1.87	0.42	0.01	0.06	0.00	0.41	356.10	4.00	350.50	5.30	377.00	33.00	350.50	5.30	350.50	33.00	1.57	
Banaston B6_109	499.00	1.72	0.39	0.01	0.05	0.00	0.59	335.50	4.00	331.60	4.00	361.00	27.00	331.60	4.00	331.60	27.00	1.16	
Banaston B6_110	488.00	1.94	0.37	0.00	0.05	0.00	0.47	316.40	3.40	318.70	3.30	317.00	28.00	318.70	3.30	318.70	28.00	0.73	

Sample	[U]	U/Th	207/235	2 σ error	206/238	2 σ error	RHO	207/235	2 σ error	206/238	2 σ error	207/206	2 σ error	Best age	2 σ error	Discordance	Rim / Core
	ppm							Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	%	
Banaston_B6_111_	527.00	2.95	0.36	0.01	0.05	0.00	0.55	313.80	4.30	317.20	4.40	290.00	30.00	317.20	4.40	1.08	
Banaston_B6_112_	349.00	2.24	0.37	0.01	0.05	0.00	0.44	322.80	4.50	327.30	4.00	313.00	35.00	327.30	4.00	1.39	
Banaston_B6_114_	420.00	1.86	0.39	0.01	0.05	0.00	0.53	335.90	3.80	332.30	3.90	392.00	34.00	332.30	3.90	1.07	
Banaston_B6_115_	985.00	2.25	0.39	0.01	0.05	0.00	0.61	336.80	3.80	341.60	4.10	337.00	23.00	341.60	4.10	1.43	
Banaston_B6_116_	141.90	1.75	0.89	0.02	0.09	0.00	0.63	648.60	9.70	586.00	13.00	858.00	34.00	586.00	13.00	9.65	
Banaston_B6_117_	374.00	2.27	0.41	0.01	0.05	0.00	0.35	345.80	3.80	335.70	4.00	430.00	36.00	335.70	4.00	2.92	
Banaston_B6_118_	477.00	2.11	0.40	0.01	0.05	0.00	0.11	340.00	3.70	328.40	3.30	423.00	34.00	328.40	3.30	3.41	
Banaston_B6_119_	585.00	4.37	0.38	0.01	0.04	0.00	0.54	328.60	5.50	279.40	5.00	723.00	36.00	DISC	DISC	14.97	
Banaston_B6_120_	1760.00	9.20	0.34	0.01	0.04	0.00	0.71	299.30	5.00	274.80	4.90	509.00	30.00	274.80	4.90	8.19	
Banaston_B10_1_	407.00	2.12	0.37	0.01	0.05	0.00	0.39	321.10	4.50	322.90	4.90	299.00	41.00	322.90	4.90	0.56	
Banaston_B10_2_	929.00	1.81	0.34	0.01	0.05	0.00	0.73	297.10	5.60	292.60	6.70	345.00	38.00	292.60	6.70	1.51	
Banaston_B10_3_	240.00	0.83	0.36	0.01	0.05	0.00	0.32	309.80	5.50	306.10	4.80	342.00	53.00	306.10	4.80	1.19	
Banaston_B10_4_	246.00	1.54	0.41	0.01	0.06	0.00	0.26	347.20	7.30	349.90	5.20	273.00	57.00	349.90	5.20	0.78	
Banaston_B10_5_	270.00	2.13	0.59	0.01	0.08	0.00	0.26	473.80	6.80	478.90	6.50	426.00	44.00	478.90	6.50	1.08	
Banaston_B10_6_	116.60	1.39	0.89	0.02	0.11	0.00	0.44	645.40	9.90	653.00	10.00	615.00	43.00	653.00	10.00	1.18	
Banaston_B10_7_	164.60	1.10	11.35	0.46	0.47	0.02	0.92	2546.00	39.00	2472.00	74.00	2610.00	27.00	2610.00	27.00	5.29	
Banaston_B10_8_	645.00	2.68	0.37	0.01	0.05	0.00	0.63	320.20	5.70	323.00	5.30	297.00	39.00	323.00	5.30	0.87	
Banaston_B10_9_	331.90	0.92	0.94	0.03	0.09	0.00	0.65	677.00	15.00	563.00	11.00	822.00	38.00	DISC	DISC	16.84	
Banaston_B10_10_	136.00	1.14	0.46	0.01	0.06	0.00	0.16	379.90	9.40	384.10	7.90	360.00	66.00	384.10	7.90	1.11	
Banaston_B10_11_	160.60	0.93	0.84	0.02	0.10	0.00	0.59	618.00	12.00	606.00	14.00	692.00	41.00	606.00	14.00	1.94	
Banaston_B10_12_	261.00	1.99	0.75	0.02	0.09	0.00	0.55	565.00	12.00	549.00	11.00	612.00	54.00	549.00	11.00	2.83	
Banaston_B10_13_	232.00	7.28	0.61	0.01	0.08	0.00	0.52	481.40	7.00	491.80	8.90	433.00	46.00	491.80	8.90	2.16	
Banaston_B10_14_	558.00	2.60	0.33	0.01	0.05	0.00	0.58	293.70	5.60	285.90	5.30	316.00	46.00	285.90	5.30	2.66	
Banaston_B10_15_	76.90	1.40	0.68	0.04	0.07	0.00	0.28	528.00	25.00	447.00	21.00	830.00	130.00	DISC	DISC	15.34	Rim
Banaston_B10_15_	49.90	0.64	4.73	0.34	0.30	0.02	0.93	1750.00	69.00	1661.00	97.00	1900.00	51.00	1900.00	51.00	12.58	Core
Banaston_B10_16_	468.00	2.15	0.25	0.01	0.03	0.00	0.64	229.90	5.40	220.50	6.50	344.00	69.00	220.50	6.50	4.09	
Banaston_B10_17_	209.00	1.11	5.63	0.23	0.32	0.01	0.94	1922.00	35.00	1797.00	61.00	2071.00	25.00	2071.00	25.00	13.23	
Banaston_B10_18_	454.00	4.12	1.85	0.03	0.18	0.00	0.68	1066.00	11.00	1075.00	16.00	1044.00	24.00	1044.00	24.00	2.97	
Banaston_B10_19_	910.00	2.75	0.37	0.01	0.05	0.00	0.71	317.30	6.60	313.90	6.30	348.00	42.00	313.90	6.30	1.07	
Banaston_B10_20_	297.00	4.35	0.71	0.01	0.09	0.00	0.60	544.90	7.40	544.90	9.80	549.00	34.00	544.90	9.80	0.00	
Banaston_B10_21_	236.40	3.88	0.35	0.01	0.05	0.00	0.49	303.80	7.50	308.30	6.30	277.00	56.00	308.30	6.30	1.48	
Banaston_B10_22_	60.90	1.17	1.61	0.06	0.16	0.01	0.70	969.00	24.00	928.00	33.00	1071.00	60.00	1071.00	60.00	13.35	
Banaston_B10_23_	236.00	1.15	0.99	0.02	0.11	0.00	0.61	696.00	10.00	691.00	15.00	706.00	43.00	691.00	15.00	0.72	
Banaston_B10_24_	542.00	1.62	0.71	0.01	0.09	0.00	0.61	542.10	5.90	539.10	8.30	552.00	33.00	539.10	8.30	0.55	
Banaston_B10_25_	375.00	3.10	1.63	0.03	0.17	0.00	0.67	980.00	12.00	988.00	17.00	975.00	31.00	975.00	31.00	1.33	
Banaston_B10_26_	240.00	12.40	0.92	0.02	0.11	0.00	0.35	661.40	9.50	673.00	12.00	650.00	45.00	673.00	12.00	1.75	
Banaston_B10_27_	307.00	3.61	0.85	0.02	0.10	0.00	0.60	629.00	12.00	633.00	19.00	603.00	58.00	633.00	19.00	0.64	
Banaston_B10_28_	192.00	5.75	0.88	0.02	0.11	0.00	0.56	638.00	12.00	647.00	18.00	629.00	59.00	647.00	18.00	1.41	
Banaston_B10_29_	273.10	7.58	4.62	0.20	0.22	0.01	0.91	1758.00	37.00	1261.00	37.00	2410.00	32.00	DISC	DISC	47.68	
Banaston_B10_30_	63.60	2.01	1.78	0.05	0.18	0.00	0.52	1037.00	17.00	1078.00	24.00	977.00	52.00	977.00	52.00	10.34	
Banaston_B10_31_	498.00	2.60	0.36	0.01	0.05	0.00	0.56	312.40	6.40	314.00	7.60	318.00	54.00	314.00	7.60	0.51	
Banaston_B10_32_	364.00	1.73	1.29	0.02	0.14	0.00	0.71	843.00	11.00	834.00	15.00	855.00	31.00	834.00	15.00	1.07	
Banaston_B10_33_	81.70	1.70	9.42	0.14	0.43	0.01	0.72	2377.00	14.00	2321.00	44.00	2449.00	28.00	2449.00	28.00	5.23	
Banaston_B10_34_	51.90	2.35	4.09	0.09	0.28	0.01	0.83	1649.00	18.00	1577.00	36.00	1771.00	27.00	1771.00	27.00	10.95	
Banaston_B10_35_	80.90	1.18	0.70	0.02	0.08	0.00	0.32	537.00	14.00	520.00	14.00	589.00	81.00	520.00	14.00	3.17	
Banaston_B10_36_	573.00	2.86	0.36	0.01	0.05	0.00	0.57	314.50	5.20	315.60	5.30	283.00	40.00	315.60	5.30	0.35	
Banaston_B10_37_	319.00	1.84	0.97	0.03	0.10	0.00	0.65	688.00	15.00	644.00	23.00	853.00	53.00	644.00	23.00	6.40	

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error	206/238 Age (Ma)	2σ error	207/206 Age (Ma)	2σ error	Best age Age (Ma)	2σ error	Discordance %	Rim / Core
Banaston_B10_38	302.90	2.00	9.77	0.22	0.45	0.01	0.73	2418.00	21.00	2409.00	51.00	2426.00	28.00	2426.00	28.00	0.70	
Banaston_B10_39	253.00	3.64	0.86	0.02	0.10	0.00	0.63	630.00	12.00	620.00	16.00	637.00	49.00	620.00	16.00	1.59	
Banaston_B10_40	522.00	2.34	0.21	0.01	0.03	0.00	0.61	193.30	5.60	180.30	5.10	356.00	52.00	180.30	5.10	6.73	
Banaston_B10_41	359.00	2.02	0.79	0.02	0.10	0.00	0.74	590.00	11.00	594.00	15.00	585.00	42.00	594.00	15.00	0.68	
Banaston_B10_42	75.60	2.77	1.08	0.04	0.12	0.00	0.64	743.00	19.00	714.00	24.00	840.00	66.00	714.00	24.00	3.90	
Banaston_B10_43	200.10	1.27	1.08	0.02	0.12	0.00	0.70	740.00	11.00	751.00	14.00	714.00	35.00	751.00	14.00	1.49	
Banaston_B10_44	578.00	2.47	0.35	0.01	0.05	0.00	0.60	308.70	5.60	302.50	6.00	370.00	43.00	302.50	6.00	2.01	
Banaston_B10_45	339.00	5.64	1.22	0.05	0.13	0.01	0.70	808.00	21.00	783.00	34.00	865.00	68.00	783.00	34.00	3.09	
Banaston_B10_46	257.00	2.72	0.37	0.01	0.05	0.00	0.38	321.60	7.10	324.10	8.80	298.00	64.00	324.10	8.80	0.78	
Banaston_B10_47	241.70	1.75	1.50	0.04	0.15	0.00	0.64	931.00	14.00	905.00	23.00	988.00	47.00	988.00	47.00	8.40	
Banaston_B10_48	76.00	1.04	1.39	0.05	0.14	0.00	0.63	886.00	20.00	819.00	23.00	1096.00	53.00	819.00	23.00	7.56	
Banaston_B10_49	243.00	2.31	1.53	0.02	0.16	0.00	0.55	944.30	9.40	936.00	15.00	981.00	33.00	981.00	33.00	4.59	
Banaston_B10_50	108.70	2.14	0.77	0.03	0.09	0.00	0.43	582.00	15.00	562.00	17.00	645.00	72.00	562.00	17.00	3.44	
Banaston_B10_51	351.90	3.52	0.78	0.01	0.10	0.00	0.61	586.60	7.60	595.70	8.70	559.00	35.00	595.70	8.70	1.55	
Banaston_B10_52	598.00	14.00	0.79	0.02	0.10	0.00	0.81	588.40	8.90	602.00	13.00	579.00	35.00	602.00	13.00	2.31	
Banaston_B10_53	137.00	30.10	0.93	0.03	0.11	0.00	0.56	667.00	14.00	659.00	21.00	694.00	62.00	659.00	21.00	1.20	
Banaston_B10_54	150.00	1.62	0.76	0.03	0.09	0.00	0.70	573.00	17.00	566.00	25.00	613.00	76.00	566.00	25.00	1.22	
Banaston_B10_55	200.00	2.78	0.78	0.02	0.07	0.00	0.66	582.00	13.00	456.00	14.00	1065.00	52.00	DISC	DISC	21.65	
Banaston_B10_56	108.00	1.56	0.79	0.02	0.09	0.00	0.24	589.30	9.10	581.00	13.00	603.00	57.00	581.00	13.00	1.41	
Banaston_B10_57	451.00	3.45	0.79	0.02	0.10	0.00	0.72	590.00	9.20	588.00	12.00	626.00	34.00	588.00	12.00	0.34	
Banaston_B10_58	471.00	3.27	0.95	0.01	0.11	0.00	0.64	675.40	6.80	689.20	8.90	653.00	27.00	689.20	8.90	2.04	
Banaston_B10_59	241.00	4.73	2.30	0.07	0.21	0.01	0.57	1211.00	22.00	1244.00	40.00	1188.00	64.00	1188.00	64.00	4.71	
Banaston_B10_60	471.00	7.20	0.62	0.02	0.08	0.00	0.64	489.20	9.90	497.00	12.00	474.00	42.00	497.00	12.00	1.59	
Banaston_B10_61	324.00	3.37	0.89	0.02	0.11	0.00	0.63	648.00	11.00	650.00	17.00	632.00	44.00	650.00	17.00	0.31	
Banaston_B10_62	440.00	7.40	0.60	0.01	0.08	0.00	0.57	480.60	6.30	480.30	8.10	499.00	34.00	480.30	8.10	0.06	
Banaston_B10_63	144.80	1.08	1.78	0.04	0.17	0.00	0.32	1039.00	14.00	1032.00	21.00	1071.00	48.00	1071.00	48.00	3.64	
Banaston_B10_64	380.00	4.02	0.37	0.01	0.05	0.00	0.45	319.30	6.50	319.90	5.90	283.00	50.00	319.90	5.90	0.19	
Banaston_B10_65	494.00	1.23	0.79	0.01	0.10	0.00	0.65	590.40	6.80	592.60	7.80	578.00	27.00	592.60	7.80	0.37	
Banaston_B10_66	426.00	2.82	0.38	0.01	0.05	0.00	0.55	328.90	5.30	331.60	5.60	300.00	42.00	331.60	5.60	0.82	
Banaston_B10_67	4.52	0.08	2.11	0.19	0.04	0.00	0.10	1137.00	61.00	221.00	25.00	4110.00	240.00	DISC	DISC	80.56	
Banaston_B10_68	149.00	1.12	0.78	0.01	0.10	0.00	0.19	585.00	8.10	587.40	8.00	561.00	42.00	587.40	8.00	0.41	
Banaston_B10_69	316.50	55.90	0.93	0.02	0.11	0.00	0.45	669.00	10.00	669.00	8.60	678.00	42.00	669.00	8.60	0.00	
Banaston_B10_70	745.00	3.83	1.78	0.03	0.17	0.00	0.83	1035.00	12.00	1037.00	18.00	1052.00	16.00	1052.00	16.00	1.43	
Banaston_B10_71	203.00	1.98	1.45	0.03	0.16	0.00	0.71	910.00	14.00	931.00	15.00	889.00	32.00	889.00	32.00	4.72	
Banaston_B10_72	433.00	13.00	6.19	0.12	0.36	0.01	0.83	2002.00	17.00	1979.00	37.00	2020.00	22.00	2020.00	22.00	2.03	
Banaston_B10_73	146.00	1.65	5.18	0.09	0.33	0.01	0.67	1848.00	14.00	1855.00	27.00	1866.00	24.00	1866.00	24.00	0.59	
Banaston_B10_74	274.00	5.89	0.58	0.01	0.08	0.00	0.52	460.40	8.80	466.00	11.00	421.00	46.00	466.00	11.00	1.22	
Banaston_B10_75	307.00	1.18	0.68	0.02	0.09	0.00	0.76	528.00	13.00	543.00	18.00	479.00	47.00	543.00	18.00	2.84	
Banaston_B10_76	290.00	9.36	0.92	0.02	0.11	0.00	0.56	665.40	7.70	655.00	11.00	671.00	35.00	655.00	11.00	1.56	
Banaston_B10_77	261.00	2.89	0.91	0.03	0.11	0.00	0.57	655.00	13.00	644.00	14.00	694.00	53.00	644.00	14.00	1.68	
Banaston_B10_78	194.30	1.53	0.64	0.01	0.08	0.00	0.30	502.70	8.50	499.40	7.90	529.00	51.00	499.40	7.90	0.66	
Banaston_B10_79	119.20	1.38	1.49	0.04	0.15	0.00	0.79	927.00	15.00	908.00	23.00	967.00	39.00	967.00	39.00	6.10	
Banaston_B10_80	155.40	1.35	1.68	0.03	0.17	0.00	0.58	1002.00	12.00	1008.00	14.00	972.00	31.00	972.00	31.00	3.70	
Banaston_B10_81	203.00	0.62	0.82	0.01	0.10	0.00	0.42	605.70	7.50	608.20	7.60	587.00	36.00	608.20	7.60	0.41	
Banaston_B10_82	189.00	1.11	0.76	0.02	0.09	0.00	0.58	574.00	12.00	546.00	13.00	697.00	48.00	546.00	13.00	4.88	
Banaston_B10_83	235.20	1.85	0.93	0.02	0.11	0.00	0.56	670.00	9.90	679.00	14.00	674.00	43.00	679.00	14.00	1.34	
Banaston_B10_84	95.80	0.92	0.80	0.02	0.10	0.00	0.45	593.00	12.00	588.00	14.00	625.00	55.00	588.00	14.00	0.84	

Annex 4: dades d'U-Pb en zircons detrítics

Sample	[U]	ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	Age (Ma)	2σ error	206/238	Age (Ma)	2σ error	207/206	Age (Ma)	2σ error	Best age	Age (Ma)	2σ error	Discordance	Rim / Core
Banaston_B10_85_		410.00	2.07	9.05	0.57	0.39	0.02	0.99	2325.00	60.00	2120.00	110.00	2529.00	16.00	2529.00	16.00	2529.00	16.00	16.17			16.17
Banaston_B10_86_		122.00	2.52	1.58	0.05	0.15	0.00	0.57	959.00	18.00	912.00	22.00	1052.00	45.00	1052.00	45.00	1052.00	45.00	13.31			13.31
Banaston_B10_87_		527.00	6.69	1.03	0.05	0.12	0.00	0.59	716.00	26.00	712.00	28.00	755.00	90.00	712.00	28.00	712.00	90.00	0.56			0.56
Banaston_B10_87_		139.10	1.29	1.87	0.05	0.18	0.00	0.59	1068.00	19.00	1051.00	18.00	1092.00	65.00	1092.00	65.00	1092.00	65.00	3.75			3.75
Banaston_B10_88_		212.00	1.85	0.86	0.02	0.10	0.00	0.29	628.90	8.20	624.50	9.90	641.00	43.00	624.50	43.00	624.50	43.00	0.70			0.70
Banaston_B10_89_		278.00	0.71	0.37	0.02	0.04	0.00	0.76	320.00	13.00	260.00	16.00	753.00	83.00	753.00	83.00	753.00	83.00	18.75			18.75
Banaston_B10_90_		165.00	0.96	4.17	0.08	0.30	0.01	0.78	1669.00	16.00	1694.00	25.00	1641.00	24.00	1641.00	24.00	1641.00	24.00	3.23			3.23
Banaston_B10_91_		192.70	13.40	0.84	0.04	0.10	0.00	0.00	617.00	22.00	607.00	22.00	722.00	78.00	607.00	78.00	607.00	78.00	1.62			1.62
Banaston_B10_92_		414.00	3.57	0.39	0.01	0.05	0.00	0.53	333.00	7.50	333.30	9.50	333.00	66.00	333.30	9.50	333.30	66.00	0.09			0.09
Banaston_B10_93_		299.00	2.78	5.26	0.18	0.31	0.01	0.94	1858.00	29.00	1752.00	46.00	1974.00	22.00	1974.00	22.00	1974.00	22.00	11.25			11.25
Banaston_B10_94_		437.00	3.00	0.72	0.01	0.09	0.00	0.39	551.90	6.80	570.30	9.10	518.00	40.00	570.30	40.00	570.30	40.00	3.33			3.33
Banaston_B10_95_		269.00	6.60	0.56	0.01	0.07	0.00	0.57	453.00	8.10	456.90	9.30	456.00	42.00	456.90	42.00	456.90	42.00	0.86			0.86
Banaston_B10_96_		529.00	2.84	0.40	0.01	0.05	0.00	0.41	339.80	8.00	332.00	11.00	366.00	74.00	332.00	74.00	332.00	74.00	2.30			2.30
Banaston_B10_97_		284.00	0.71	0.79	0.02	0.09	0.00	0.45	588.70	9.70	578.70	9.30	639.00	48.00	578.70	48.00	578.70	48.00	1.70			1.70
Banaston_B10_98_		518.00	10.90	0.90	0.02	0.11	0.00	0.86	650.30	8.10	646.20	9.60	648.00	20.00	646.20	20.00	646.20	20.00	0.63			0.63
Banaston_B10_99_		15.90	2.11	0.80	0.06	0.08	0.00	0.33	589.00	33.00	500.00	25.00	940.00	150.00	500.00	150.00	500.00	150.00	15.11			15.11
Banaston_B10_100_		895.00	37.20	0.44	0.01	0.06	0.00	0.51	609.00	5.50	372.60	7.30	349.00	39.00	372.60	39.00	372.60	39.00	0.98			0.98
Banaston_B10_101_		268.00	1.52	0.82	0.01	0.10	0.00	0.55	369.00	7.50	607.10	8.20	609.00	30.00	607.10	30.00	607.10	30.00	0.31			0.31
Banaston_B10_102_		514.00	1.91	0.37	0.01	0.05	0.00	0.47	319.40	5.20	320.00	4.90	322.00	45.00	320.00	45.00	320.00	45.00	0.19			0.19
Banaston_B10_103_		114.50	2.83	6.18	0.16	0.27	0.01	0.61	2000.00	22.00	1558.00	30.00	2484.00	47.00	2484.00	47.00	2484.00	47.00	37.28			37.28
Banaston_B10_104_		27.00	1.50	1.05	0.05	0.11	0.00	0.30	727.00	24.00	681.00	23.00	820.00	110.00	681.00	110.00	681.00	110.00	6.33			6.33
Banaston_B10_105_		408.00	2.15	1.54	0.03	0.16	0.00	0.78	943.00	11.00	962.00	16.00	915.00	23.00	915.00	23.00	915.00	23.00	5.14			5.14
Banaston_B10_106_		416.00	1.76	0.38	0.01	0.05	0.00	0.49	325.30	6.00	310.20	5.40	435.00	48.00	310.20	48.00	310.20	48.00	4.64			4.64
Banaston_B10_107_		126.30	0.35	0.78	0.03	0.09	0.00	0.03	586.00	15.00	580.00	13.00	552.00	84.00	580.00	84.00	580.00	84.00	1.02			1.02
Banaston_B10_108_		865.00	3.00	0.41	0.01	0.06	0.00	0.59	350.60	5.80	352.10	8.70	364.00	43.00	352.10	43.00	352.10	43.00	0.43			0.43
Banaston_B10_109_		399.00	2.42	0.78	0.02	0.10	0.00	0.46	585.80	9.50	590.00	15.00	561.00	56.00	590.00	56.00	590.00	56.00	0.72			0.72
Banaston_B10_110_		264.00	4.48	0.98	0.02	0.11	0.00	0.69	694.00	12.00	700.00	16.00	670.00	42.00	700.00	42.00	700.00	42.00	0.86			0.86
Banaston_B10_111_		553.00	2.43	0.38	0.01	0.05	0.00	0.66	330.50	9.20	326.90	9.30	335.00	62.00	326.90	62.00	326.90	62.00	1.09			1.09
Banaston_B10_112_		821.00	20.20	0.36	0.01	0.05	0.00	0.58	311.40	6.10	310.00	7.00	303.00	46.00	310.00	46.00	310.00	46.00	0.45			0.45
Banaston_B10_113_		373.00	1.92	0.36	0.01	0.05	0.00	0.57	310.00	4.70	304.20	4.80	347.00	41.00	304.20	41.00	304.20	41.00	1.87			1.87
Banaston_B10_114_		183.10	0.92	1.56	0.04	0.15	0.01	0.65	955.00	16.00	920.00	31.00	1041.00	53.00	1041.00	53.00	1041.00	53.00	11.62			11.62
Banaston_B10_115_		405.00	1.53	0.86	0.02	0.10	0.00	0.77	628.40	8.10	625.60	8.90	644.00	29.00	625.60	29.00	625.60	29.00	0.45			0.45
Banaston_B10_116_		119.00	1.05	1.61	0.03	0.16	0.00	0.55	971.00	13.00	954.00	12.00	1017.00	34.00	1017.00	34.00	1017.00	34.00	6.19			6.19
Banaston_B10_117_		441.00	1.78	0.39	0.01	0.05	0.00	0.84	336.80	7.80	341.10	7.40	320.00	41.00	341.10	41.00	341.10	41.00	1.28			1.28
Banaston_B10_118_		269.00	2.44	0.38	0.01	0.05	0.00	0.51	328.70	8.00	323.00	9.60	366.00	65.00	323.00	65.00	323.00	65.00	1.73			1.73
Banaston_B10_119_		543.00	2.89	1.57	0.03	0.16	0.00	0.76	956.00	13.00	951.00	19.00	941.00	33.00	941.00	33.00	941.00	33.00	1.06			1.06
Banaston_B10_120_		271.00	1.31	1.61	0.02	0.16	0.00	0.46	974.60	9.20	977.00	15.00	965.00	30.00	965.00	30.00	965.00	30.00	1.24			1.24
Jaca_J3_1_		645.00	2.85	0.37	0.01	0.05	0.00	0.53	319.60	5.30	316.30	4.60	328.00	40.00	316.30	40.00	316.30	40.00	2.03			2.03
Jaca_J3_2_		2900.00	2.70	0.42	0.01	0.06	0.00	0.74	359.20	7.10	362.00	8.30	320.00	39.00	320.00	39.00	362.00	39.00	8.30			8.30
Jaca_J3_3_		277.00	1.80	0.35	0.01	0.05	0.00	0.33	302.90	5.80	307.20	4.10	287.00	50.00	307.20	50.00	307.20	50.00	1.42			1.42
Jaca_J3_4_		432.00	1.67	0.35	0.01	0.05	0.00	0.41	303.40	6.10	295.00	4.40	331.00	53.00	295.00	53.00	295.00	53.00	2.77			2.77
Jaca_J3_5_		750.00	4.79	0.36	0.02	0.05	0.00	0.87	312.00	12.00	293.00	9.80	479.00	49.00	293.00	49.00	293.00	49.00	6.09			6.09
Jaca_J3_6_		629.00	2.21	0.35	0.01	0.05	0.00	0.77	305.30	7.80	291.20	8.10	398.00	43.00	291.20	43.00	291.20	43.00	4.62			4.62
Jaca_J3_7_		357.00	2.11	0.35	0.01	0.05	0.00	0.38	304.60	5.00	305.90	4.10	311.00	43.00	305.90	43.00	305.90	43.00	0.43			0.43
Jaca_J3_8_		553.00	2.06	0.36	0.01	0.05	0.00	0.50	312.00	6.60	304.40	5.80	357.00	47.00	304.40	47.00	304.40	47.00	2.44			2.44
Jaca_J3_9_		86.60	1.94	0.66	0.02	0.08	0.00	0.51	512.00	13.00	499.00	14.00	575.00	70.00	499.00	70.00	499.00	70.00	2.54			2.54
Jaca_J3_10_		311.00	1.03	0.68	0.01	0.09	0.00	0.47	526.60	6.20	529.30	8.20	506.00	37.00	506.00	37.00	529.30	37.00	0.51			0.51

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error Age (Ma)	206/238 Age (Ma)	2σ error Age (Ma)	207/206 Age (Ma)	2σ error Age (Ma)	Best age Age (Ma)	2σ error Age (Ma)	Discordance %	Rim / Core
Jaca_J3_11_	1480.00	1.79	0.39	0.01	0.05	0.00	0.68	334.80	4.80	336.80	4.50	319.00	30.00	336.80	4.50	0.60	
Jaca_J3_12_	814.00	2.07	0.37	0.01	0.05	0.00	0.27	321.40	6.10	310.10	4.40	396.00	47.00	310.10	4.40	3.52	
Jaca_J3_13_	80.50	1.06	0.69	0.02	0.09	0.00	0.23	532.00	10.00	529.90	8.60	590.00	62.00	529.90	8.60	0.39	
Jaca_J3_14_	1540.00	1.99	0.39	0.01	0.05	0.00	0.61	334.50	6.20	329.30	7.10	346.00	42.00	329.30	7.10	1.55	
Jaca_J3_15_	337.00	1.11	1.15	0.23	0.46	0.01	0.83	2568.00	19.00	2435.00	38.00	2657.00	19.00	2657.00	19.00	8.36	
Jaca_J3_16_	226.00	0.46	0.80	0.01	0.10	0.00	0.29	596.40	7.50	599.80	6.60	593.00	38.00	599.80	6.60	0.57	
Jaca_J3_17_	222.60	1.12	1.44	0.02	0.15	0.00	0.62	905.00	7.90	900.00	11.00	917.00	25.00	917.00	25.00	1.85	
Jaca_J3_18_	676.00	1.73	0.62	0.01	0.08	0.00	0.62	489.70	5.70	486.90	6.10	501.00	27.00	486.90	6.10	0.57	
Jaca_J3_19_	1650.00	1.20	0.43	0.01	0.06	0.00	0.68	361.00	5.00	364.10	6.30	333.00	32.00	364.10	6.30	0.86	
Jaca_J3_20_	354.00	2.38	0.36	0.01	0.05	0.00	0.26	310.50	4.70	314.90	3.70	264.00	41.00	314.90	3.70	1.42	
Jaca_J3_21_	823.00	2.16	0.36	0.01	0.05	0.00	0.44	313.50	4.00	310.90	4.30	314.00	33.00	310.90	4.30	0.83	
Jaca_J3_22_	689.00	3.31	0.38	0.01	0.05	0.00	0.41	324.40	5.00	313.90	6.20	404.00	47.00	313.90	6.20	3.24	
Jaca_J3_23_	728.00	2.16	0.34	0.01	0.05	0.00	0.44	299.30	4.40	295.30	4.00	341.00	35.00	295.30	4.00	1.34	
Jaca_J3_25_	290.10	1.48	1.19	0.02	0.13	0.00	0.52	794.10	9.40	789.00	12.00	820.00	34.00	789.00	12.00	0.64	
Jaca_J3_26_	785.00	2.83	0.35	0.01	0.05	0.00	0.55	306.60	6.10	310.40	7.70	272.00	57.00	310.40	7.70	1.24	
Jaca_J3_27_	311.00	1.95	0.60	0.01	0.08	0.00	0.38	477.00	6.30	474.40	6.40	500.00	41.00	474.40	6.40	0.55	
Jaca_J3_28_	601.00	2.26	0.36	0.01	0.05	0.00	0.38	311.30	4.60	315.20	3.50	298.00	39.00	315.20	3.50	1.25	
Jaca_J3_29_	153.40	0.66	0.89	0.03	0.11	0.00	0.34	644.00	15.00	658.00	10.00	578.00	72.00	658.00	10.00	2.17	
Jaca_J3_30_	880.00	2.34	0.36	0.01	0.05	0.00	0.45	312.90	4.80	308.80	4.50	355.00	38.00	308.80	4.50	1.31	
Jaca_J3_31_	366.00	2.52	0.34	0.01	0.05	0.00	0.27	295.40	4.90	294.60	5.00	294.00	51.00	294.60	5.00	0.27	
Jaca_J3_32_	181.40	1.43	0.72	0.02	0.09	0.00	0.41	553.00	11.00	559.00	10.00	565.00	53.00	559.00	10.00	1.08	
Jaca_J3_33_	613.00	1.78	0.36	0.01	0.05	0.00	0.51	315.00	4.70	310.50	4.50	353.00	34.00	310.50	4.50	1.43	
Jaca_J3_34_	198.30	0.91	0.71	0.02	0.08	0.00	0.33	546.00	11.00	521.30	8.10	663.00	52.00	521.30	8.10	4.52	
Jaca_J3_35_	290.80	1.92	0.34	0.01	0.05	0.00	0.37	298.70	5.00	300.80	4.80	300.00	47.00	300.80	4.80	0.70	
Jaca_J3_36_	426.00	0.46	0.83	0.01	0.10	0.00	0.49	613.10	7.90	600.30	9.50	649.00	35.00	600.30	9.50	2.09	
Jaca_J3_37_	761.00	2.53	0.85	0.01	0.10	0.00	0.59	625.60	7.20	621.00	7.70	667.00	26.00	621.00	7.70	0.74	
Jaca_J3_38_	710.00	2.15	0.38	0.01	0.05	0.00	0.57	324.40	5.30	327.60	4.80	340.00	40.00	327.60	4.80	0.99	
Jaca_J3_39_	982.00	2.71	0.38	0.01	0.05	0.00	0.62	325.30	5.20	326.00	6.80	320.00	38.00	326.00	6.80	0.22	
Jaca_J3_40_	1024.00	1.41	0.36	0.01	0.05	0.00	0.49	314.30	5.20	314.20	6.00	305.00	42.00	314.20	6.00	0.03	
Jaca_J3_41_	439.00	2.05	0.39	0.01	0.05	0.00	0.49	330.70	9.30	308.70	5.90	474.00	63.00	308.70	5.90	6.65	
Jaca_J3_42_	150.90	1.15	0.77	0.03	0.09	0.00	0.67	577.00	14.00	570.00	23.00	615.00	59.00	570.00	23.00	1.21	
Jaca_J3_43_	93.30	1.50	0.74	0.03	0.09	0.00	0.48	565.00	15.00	549.00	17.00	606.00	65.00	549.00	17.00	2.83	
Jaca_J3_44_	664.00	2.03	0.37	0.01	0.05	0.00	0.46	317.60	5.70	316.60	6.30	332.00	51.00	316.60	6.30	0.31	
Jaca_J3_45_	510.00	2.57	0.37	0.01	0.05	0.00	0.53	317.50	6.00	316.10	5.60	342.00	46.00	316.10	5.60	0.44	
Jaca_J3_46_	227.00	3.30	6.71	0.09	0.38	0.01	0.48	2076.00	11.00	2077.00	39.00	2085.00	32.00	2085.00	32.00	0.38	
Jaca_J3_47_	1550.00	2.30	0.29	0.01	0.04	0.00	0.78	260.40	6.70	248.50	7.50	367.00	43.00	248.50	7.50	4.57	
Jaca_J3_48_	657.00	2.67	0.41	0.01	0.05	0.00	0.42	350.30	7.30	331.60	7.50	482.00	60.00	331.60	7.50	5.34	
Jaca_J3_49_	511.00	2.06	0.36	0.01	0.05	0.00	0.37	314.30	5.20	317.30	5.40	302.00	49.00	317.30	5.40	0.95	
Jaca_J3_50_	892.00	1.99	0.36	0.01	0.05	0.00	0.29	309.10	3.90	299.80	3.80	380.00	35.00	299.80	3.80	3.01	
Jaca_J3_51_	470.00	1.80	0.37	0.01	0.05	0.00	0.08	320.60	4.80	319.50	4.30	346.00	48.00	319.50	4.30	0.34	
Jaca_J3_52_	636.00	1.84	0.36	0.01	0.05	0.00	0.40	312.30	5.20	313.40	5.00	319.00	47.00	313.40	5.00	0.35	
Jaca_J3_53_	688.00	2.54	0.36	0.01	0.05	0.00	0.49	312.60	5.30	312.70	4.60	295.00	40.00	312.70	4.60	0.03	
Jaca_J3_54_	1123.00	1.32	0.28	0.01	0.04	0.00	0.78	249.90	7.00	224.20	5.40	495.00	46.00	DISC	DISC	10.28	
Jaca_J3_55_	277.00	8.28	0.63	0.02	0.08	0.00	0.60	495.60	9.60	490.00	11.00	483.00	49.00	490.00	11.00	1.13	
Jaca_J3_56_	532.00	1.65	0.34	0.01	0.05	0.00	0.36	294.50	5.50	295.60	4.60	290.00	52.00	295.60	4.60	0.37	
Jaca_J3_57_	2220.00	2.35	0.39	0.01	0.05	0.00	0.68	337.10	4.60	336.40	6.60	312.00	37.00	336.40	6.60	0.21	
Jaca_J3_58_	819.00	2.36	0.38	0.01	0.05	0.00	0.49	329.80	4.60	325.30	5.40	359.00	38.00	325.30	5.40	1.36	

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error Age (Ma)	206/238 Age (Ma)	2σ error Age (Ma)	207/206 Age (Ma)	2σ error Age (Ma)	Best age Age (Ma)	2σ error Age (Ma)	Discordance		Rim / Core
																%	%	
Jaca_J3_59	707.00	1.65	0.73	0.02	0.08	0.00	0.61	556.00	12.00	523.00	9.80	696.00	44.00	523.00	9.80	5.94		
Jaca_J3_60	504.00	1.85	0.35	0.01	0.05	0.00	0.30	307.60	4.10	308.70	4.70	290.00	41.00	308.70	4.70	0.36		
Jaca_J3_61	580.00	1.68	0.35	0.01	0.05	0.00	0.41	304.90	5.70	310.00	5.80	259.00	49.00	310.00	5.80	1.67		
Jaca_J3_62	487.00	2.10	0.36	0.01	0.05	0.00	0.34	313.00	6.60	306.60	5.00	339.00	52.00	306.60	5.00	2.04		
Jaca_J3_63	525.00	5.16	0.64	0.01	0.08	0.00	0.42	502.70	7.50	504.50	7.70	513.00	39.00	504.50	7.70	0.36		
Jaca_J3_64	2260.00	0.74	0.23	0.01	0.03	0.00	0.92	207.70	9.00	186.10	8.50	423.00	40.00	DISC	DISC	10.40		
Jaca_J3_65	1140.00	38.10	0.36	0.00	0.05	0.00	0.60	314.60	3.50	311.90	4.10	326.00	29.00	311.90	4.10	0.86		
Jaca_J3_66	417.00	2.03	0.37	0.01	0.05	0.00	0.32	322.80	6.00	319.30	5.30	356.00	51.00	319.30	5.30	1.08		
Jaca_J3_67	554.00	2.54	0.37	0.01	0.05	0.00	0.32	316.50	5.80	318.50	5.90	284.00	51.00	318.50	5.90	0.59		
Jaca_J3_68	691.00	1.98	0.37	0.01	0.05	0.00	0.62	320.70	5.50	318.80	5.50	324.00	47.00	318.80	5.50	0.53		
Jaca_J3_69	2210.00	43.50	1.22	0.02	0.14	0.00	0.66	810.40	8.90	822.00	17.00	769.00	37.00	822.00	17.00	1.43	Rim	
Jaca_J3_69	779.00	2.59	1.64	0.05	0.16	0.01	0.80	983.00	20.00	974.00	33.00	987.00	45.00	987.00	45.00	1.32	Core	
Jaca_J3_70	402.00	2.22	0.36	0.01	0.05	0.00	0.25	308.50	5.90	305.80	5.80	306.00	57.00	305.80	5.80	0.88		
Jaca_J3_71	335.00	2.88	0.35	0.01	0.05	0.00	0.48	306.40	8.00	302.00	8.50	301.00	68.00	302.00	8.50	1.44		
Jaca_J3_72	243.00	2.22	0.36	0.01	0.05	0.00	0.24	313.70	7.20	309.20	6.40	301.00	70.00	309.20	6.40	1.43		
Jaca_J3_73	529.00	1.93	0.36	0.01	0.05	0.00	0.23	312.20	4.90	309.40	3.80	309.00	42.00	309.40	3.80	0.90		
Jaca_J3_74	452.00	5.17	0.64	0.02	0.08	0.00	0.70	505.30	8.80	493.00	9.70	530.00	36.00	493.00	9.70	2.43		
Jaca_J3_75	1493.00	2.19	0.40	0.01	0.05	0.00	0.67	343.50	5.60	340.40	6.10	365.00	35.00	340.40	6.10	0.90		
Jaca_J3_76	147.00	1.20	0.36	0.01	0.05	0.00	0.25	309.20	7.30	311.20	5.10	290.00	58.00	311.20	5.10	0.65		
Jaca_J3_77	591.00	2.09	0.38	0.01	0.05	0.00	0.30	313.10	5.20	306.70	4.60	321.00	48.00	306.70	4.60	2.04		
Jaca_J3_78	621.00	2.51	0.35	0.01	0.05	0.00	0.37	308.00	5.10	307.80	4.60	335.00	42.00	307.80	4.60	0.06		
Jaca_J3_79	1032.00	1.93	0.36	0.01	0.05	0.00	0.17	313.40	4.60	307.20	3.90	328.00	47.00	307.20	3.90	1.98		
Jaca_J3_80	297.00	3.05	1.10	0.02	0.12	0.00	0.60	752.00	7.20	748.00	11.00	748.00	32.00	748.00	11.00	0.53		
Jaca_J3_81	720.00	2.70	0.38	0.01	0.05	0.00	0.43	325.00	5.30	322.40	5.60	329.00	46.00	322.40	5.60	0.80		
Jaca_J3_82	344.00	3.06	0.38	0.01	0.05	0.00	0.32	325.80	6.10	321.50	5.00	344.00	50.00	321.50	5.00	1.32		
Jaca_J3_83	749.00	1.94	0.42	0.01	0.06	0.00	0.61	354.10	5.50	348.10	5.30	378.00	35.00	348.10	5.30	1.69		
Jaca_J3_84	847.00	1.85	0.38	0.01	0.05	0.00	0.38	324.10	4.60	318.10	4.70	351.00	43.00	318.10	4.70	1.85		
Jaca_J3_85	663.00	1.92	0.37	0.01	0.05	0.00	0.26	320.60	5.30	321.20	4.30	306.00	45.00	321.20	4.30	0.19		
Jaca_J3_86	623.00	1.23	0.85	0.02	0.10	0.00	0.59	625.00	10.00	618.00	12.00	628.00	42.00	618.00	12.00	1.12		
Jaca_J3_87	425.00	2.14	0.35	0.01	0.05	0.00	0.61	303.60	7.10	293.50	7.30	391.00	51.00	293.50	7.30	3.33		
Jaca_J3_88	701.00	1.53	1.00	0.02	0.12	0.00	0.58	702.80	7.80	714.20	8.80	633.00	27.00	714.20	8.80	1.62		
Jaca_J3_89	485.00	2.13	0.35	0.01	0.05	0.00	0.21	306.40	6.30	309.90	4.90	273.00	58.00	309.90	4.90	1.14		
Jaca_J3_90	586.00	2.18	0.37	0.01	0.05	0.00	0.29	321.20	5.10	322.70	4.70	298.00	45.00	322.70	4.70	0.47		
Jaca_J3_92	866.00	2.15	0.39	0.01	0.05	0.00	0.45	332.50	4.30	323.00	4.10	386.00	33.00	323.00	4.10	2.86		
Jaca_J3_93	523.00	2.35	0.58	0.01	0.08	0.00	0.55	467.30	5.80	468.60	7.50	466.00	32.00	468.60	7.50	0.28		
Jaca_J3_94	49.50	1.19	6.86	0.12	0.39	0.01	0.62	2093.00	15.00	2119.00	31.00	2061.00	29.00	2061.00	29.00	2.81		
Jaca_J3_95	2110.00	2.21	0.29	0.01	0.04	0.00	0.58	260.70	4.20	247.10	4.30	386.00	37.00	247.10	4.30	5.22		
Jaca_J3_96	1485.00	5.75	0.48	0.01	0.06	0.00	0.54	396.20	4.60	396.10	4.90	404.00	30.00	396.10	4.90	0.03		
Jaca_J3_97	979.00	1.92	0.37	0.01	0.05	0.00	0.48	322.70	3.90	323.10	4.30	317.00	34.00	323.10	4.30	0.12		
Jaca_J3_98	466.00	2.23	0.36	0.01	0.05	0.00	0.45	314.50	5.30	315.70	5.00	330.00	44.00	315.70	5.00	0.38		
Jaca_J3_99	510.00	2.15	0.36	0.01	0.05	0.00	0.28	311.10	5.10	309.00	4.80	339.00	47.00	309.00	4.80	0.68		
Jaca_J3_100	661.00	2.44	0.34	0.01	0.04	0.00	0.76	295.40	7.60	282.80	8.20	404.00	49.00	282.80	8.20	4.27		
Jaca_J3_101	65.70	1.36	0.83	0.03	0.10	0.00	0.32	609.00	14.00	614.00	14.00	634.00	67.00	614.00	14.00	0.82		
Jaca_J3_102	816.00	3.13	0.39	0.01	0.05	0.00	0.61	333.20	4.90	328.50	5.20	352.00	32.00	328.50	5.20	1.41		
Jaca_J3_103	460.00	2.49	0.37	0.01	0.05	0.00	0.11	319.70	5.00	320.10	3.50	301.00	48.00	320.10	3.50	0.13		
Jaca_J3_104	486.70	1.81	0.36	0.01	0.05	0.00	0.50	310.90	5.70	311.50	5.10	328.00	47.00	311.50	5.10	0.19		
Jaca_J3_105	782.00	2.31	0.38	0.01	0.05	0.00	0.30	327.10	4.40	324.70	4.60	340.00	42.00	324.70	4.60	0.73		

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
			Age (Ma)		Age (Ma)			Age (Ma)		Age (Ma)		Age (Ma)		Age (Ma)		%	
Jaca_J3_106	384.00	2.02	0.34	0.01	0.05	0.00	0.47	296.10	6.70	294.00	4.50	322.00	50.00	294.00	4.50	0.71	
Jaca_J3_107	423.00	2.39	0.34	0.01	0.05	0.00	0.30	299.50	4.60	299.00	4.00	295.00	44.00	299.00	4.00	0.17	
Jaca_J3_108	316.00	10.20	0.59	0.01	0.08	0.00	0.45	471.90	7.80	475.40	7.60	497.00	44.00	475.40	7.60	0.74	
Jaca_J3_109	480.00	2.79	0.37	0.01	0.05	0.00	0.42	324.20	6.80	315.80	5.60	366.00	45.00	315.80	5.60	2.59	
Jaca_J3_110	527.00	1.59	0.36	0.01	0.05	0.00	0.20	312.90	5.80	311.80	6.20	315.00	61.00	311.80	6.20	0.35	
Jaca_J3_111	125.20	0.60	1.03	0.02	0.12	0.00	0.50	719.00	13.00	706.00	13.00	754.00	51.00	706.00	13.00	1.81	
Jaca_J3_112	148.00	0.54	0.67	0.02	0.08	0.00	0.34	516.00	10.00	491.40	9.60	650.00	58.00	491.40	9.60	4.77	
Jaca_J3_113	351.40	2.37	1.96	0.03	0.18	0.00	0.53	1105.00	11.00	1093.00	19.00	1136.00	37.00	1136.00	37.00	3.79	
Jaca_J3_114	505.00	2.50	0.35	0.01	0.05	0.00	0.50	305.50	4.30	306.40	5.20	288.00	40.00	306.40	5.20	0.29	
Jaca_J3_115	134.70	1.81	0.85	0.03	0.10	0.00	0.26	624.00	14.00	628.00	13.00	618.00	70.00	628.00	13.00	0.64	
Jaca_J3_116	556.00	5.80	0.44	0.01	0.06	0.00	0.55	367.10	6.90	362.80	8.70	384.00	60.00	362.80	8.70	1.17	
Jaca_J3_117	1570.00	2.83	0.38	0.01	0.05	0.00	0.61	327.90	4.80	331.00	5.70	329.00	33.00	331.00	5.70	0.95	
Jaca_J3_118	383.00	9.72	0.61	0.01	0.08	0.00	0.41	481.50	6.90	478.30	8.20	491.00	45.00	478.30	8.20	0.66	
Jaca_J3_119	3060.00	3.65	0.36	0.01	0.05	0.00	0.82	311.60	7.90	308.00	11.00	360.00	53.00	308.00	11.00	1.16	
Jaca_J3_120	496.00	2.36	0.36	0.01	0.05	0.00	0.51	309.10	6.00	307.40	7.50	303.00	56.00	307.40	7.50	0.55	
Jaca_J9_1	181.90	1.25	0.98	0.02	0.11	0.00	0.63	692.00	11.00	685.00	11.00	736.00	35.00	685.00	11.00	1.01	
Jaca_J9_2	372.00	1.66	0.36	0.01	0.05	0.00	0.49	313.20	8.00	326.20	8.00	285.00	71.00	326.20	8.00	4.15	
Jaca_J9_3	222.00	4.35	14.22	0.44	0.48	0.02	0.67	2760.00	29.00	2517.00	70.00	2767.00	36.00	2767.00	36.00	9.04	
Jaca_J9_4	361.00	2.63	0.36	0.01	0.05	0.00	0.61	309.50	6.30	307.10	6.30	345.00	48.00	307.10	6.30	0.78	
Jaca_J9_5	349.00	1.07	0.76	0.02	0.09	0.00	0.66	576.00	8.60	567.00	12.00	617.00	36.00	567.00	12.00	1.56	
Jaca_J9_6	83.40	1.23	0.82	0.02	0.10	0.00	0.44	611.00	13.00	595.00	17.00	638.00	59.00	595.00	17.00	2.62	
Jaca_J9_7	337.00	6.46	0.61	0.02	0.07	0.00	0.64	482.80	9.70	461.00	13.00	587.00	52.00	461.00	13.00	4.52	
Jaca_J9_8	246.00	0.76	9.50	0.70	0.39	0.03	0.96	2377.00	67.00	2130.00	130.00	2640.00	37.00	2640.00	37.00	19.32	
Jaca_J9_9	503.00	2.69	0.55	0.01	0.07	0.00	0.71	447.80	8.40	443.00	13.00	469.00	51.00	443.00	13.00	1.07	
Jaca_J9_10	116.40	1.75	0.89	0.03	0.10	0.00	0.39	646.00	14.00	626.00	16.00	712.00	64.00	626.00	16.00	3.10	
Jaca_J9_11	264.00	7.56	0.59	0.01	0.07	0.00	0.60	471.70	6.50	466.00	7.50	507.00	34.00	466.00	7.50	1.21	
Jaca_J9_12	586.00	34.80	0.79	0.02	0.10	0.00	0.67	590.00	10.00	585.00	19.00	575.00	50.00	585.00	19.00	0.85	Rim
Jaca_J9_12_	202.60	27.40	5.22	0.09	0.32	0.01	0.74	1855.00	15.00	1785.00	34.00	1925.00	25.00	1925.00	25.00	7.27	Core
Jaca_J9_13	737.00	2.38	0.35	0.01	0.05	0.00	0.48	301.10	3.90	297.00	6.00	326.00	40.00	297.00	6.00	1.36	
Jaca_J9_14	196.30	1.68	0.78	0.02	0.09	0.00	0.64	582.00	11.00	578.00	18.00	566.00	56.00	578.00	18.00	0.69	
Jaca_J9_15	179.00	1.26	0.95	0.02	0.11	0.00	0.46	677.10	9.60	662.00	13.00	744.00	43.00	662.00	13.00	2.23	
Jaca_J9_16	232.00	1.89	1.00	0.04	0.11	0.01	0.60	702.00	18.00	695.00	29.00	745.00	74.00	695.00	29.00	1.00	
Jaca_J9_18	920.00	13.90	0.45	0.02	0.06	0.00	0.67	381.00	13.00	349.00	13.00	560.00	70.00	349.00	13.00	8.40	
Jaca_J9_19	353.00	1.71	0.88	0.03	0.09	0.00	0.79	642.00	15.00	576.00	14.00	898.00	37.00	576.00	37.00	10.28	
Jaca_J9_20	224.90	5.92	0.74	0.02	0.08	0.00	0.59	561.00	13.00	521.00	22.00	714.00	71.00	521.00	22.00	7.13	
Jaca_J9_21	533.00	1.27	0.62	0.03	0.07	0.00	0.66	489.00	16.00	444.00	22.00	673.00	68.00	444.00	22.00	9.20	
Jaca_J9_22	204.40	1.22	0.87	0.03	0.10	0.00	0.58	633.00	13.00	635.00	19.00	643.00	57.00	635.00	19.00	0.32	
Jaca_J9_23	337.10	12.10	0.59	0.02	0.07	0.00	0.64	471.00	13.00	459.00	15.00	513.00	63.00	459.00	15.00	2.55	
Jaca_J9_24	109.70	1.00	0.86	0.04	0.10	0.00	0.10	625.00	21.00	602.00	15.00	646.00	78.00	602.00	15.00	3.68	
Jaca_J9_25	590.00	6.36	2.61	0.19	0.22	0.02	0.81	1316.00	52.00	1259.00	87.00	1412.00	82.00	1412.00	82.00	10.84	
Jaca_J9_26	261.00	1.55	0.85	0.02	0.10	0.00	0.65	627.50	9.10	625.00	13.00	652.00	40.00	625.00	13.00	0.40	
Jaca_J9_27	102.80	2.03	0.83	0.04	0.10	0.01	0.51	611.00	23.00	590.00	31.00	700.00	110.00	590.00	31.00	3.44	
Jaca_J9_28	143.00	0.58	0.76	0.03	0.09	0.00	0.37	574.00	16.00	557.00	16.00	629.00	66.00	557.00	16.00	2.96	
Jaca_J9_29	172.00	1.25	1.80	0.06	0.17	0.01	0.82	1050.00	21.00	1038.00	30.00	1086.00	39.00	1086.00	39.00	4.42	
Jaca_J9_30	305.00	2.56	0.92	0.02	0.11	0.00	0.41	659.30	8.70	652.00	11.00	687.00	38.00	652.00	11.00	1.11	
Jaca_J9_31	355.90	1.17	0.80	0.02	0.09	0.00	0.62	596.10	8.50	577.00	13.00	657.00	39.00	577.00	13.00	3.20	
Jaca_J9_32	444.00	2.76	0.41	0.02	0.06	0.00	0.50	352.00	14.00	362.00	23.00	280.00	120.00	362.00	23.00	2.84	

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error	206/238 Age (Ma)	2σ error	207/206 Age (Ma)	2σ error	Best age Age (Ma)	2σ error	Discordance %	Rim / Core
Jaca_J9_33	197.00	1.24	0.81	0.02	0.10	0.00	0.63	598.70	9.80	585.00	15.00	627.00	50.00	585.00	15.00	2.29	
Jaca_J9_34	260.00	2.34	0.68	0.03	0.08	0.00	0.63	527.00	16.00	507.00	20.00	589.00	72.00	507.00	20.00	3.80	
Jaca_J9_35	764.00	3.55	0.72	0.01	0.09	0.00	0.63	550.70	7.00	536.60	9.00	573.00	33.00	536.60	9.00	2.56	
Jaca_J9_36	149.40	1.00	5.24	0.10	0.32	0.01	0.72	1858.00	16.00	1795.00	45.00	1897.00	38.00	1897.00	38.00	5.38	
Jaca_J9_37	357.00	3.54	0.40	0.02	0.05	0.00	0.53	344.00	11.00	317.00	15.00	542.00	90.00	317.00	15.00	7.85	
Jaca_J9_38	224.00	3.94	0.94	0.03	0.11	0.00	0.70	672.00	15.00	657.00	25.00	707.00	55.00	657.00	25.00	2.23	
Jaca_J9_39	359.00	6.92	0.54	0.03	0.07	0.00	0.62	443.00	18.00	420.00	25.00	530.00	110.00	420.00	25.00	5.19	
Jaca_J9_40	145.60	2.00	8.76	0.51	0.37	0.02	0.62	2300.00	56.00	2000.00	110.00	2585.00	82.00	2585.00	82.00	22.63	
Jaca_J9_41	373.00	1.69	6.99	0.14	0.38	0.01	0.75	2111.00	17.00	2084.00	41.00	2107.00	26.00	2107.00	26.00	1.09	
Jaca_J9_42	54.10	3.22	0.77	0.04	0.09	0.00	0.69	575.00	20.00	534.00	27.00	813.00	80.00	534.00	27.00	7.13	
Jaca_J9_43	385.00	2.55	0.42	0.01	0.05	0.00	0.67	357.80	5.90	344.20	6.60	421.00	38.00	344.20	6.60	3.80	
Jaca_J9_44	349.00	4.89	6.12	0.21	0.36	0.02	0.55	2006.00	29.00	1991.00	77.00	1998.00	64.00	1998.00	64.00	0.35	
Jaca_J9_45	129.30	1.86	1.66	0.05	0.17	0.01	0.56	999.00	20.00	988.00	31.00	1017.00	65.00	1017.00	65.00	2.85	
Jaca_J9_46	107.50	2.58	1.78	0.05	0.18	0.01	0.66	1043.00	19.00	1054.00	36.00	1020.00	61.00	1020.00	61.00	3.33	
Jaca_J9_47	139.00	1.88	0.78	0.02	0.09	0.00	0.67	583.00	12.00	585.00	17.00	551.00	55.00	585.00	17.00	0.34	
Jaca_J9_48	115.60	0.76	1.12	0.02	0.12	0.00	0.52	759.50	9.50	750.00	13.00	766.00	41.00	750.00	13.00	1.25	
Jaca_J9_49	94.10	1.51	1.78	0.07	0.17	0.01	0.53	1035.00	27.00	1018.00	42.00	1101.00	69.00	1101.00	69.00	7.54	
Jaca_J9_50	102.60	0.93	0.77	0.02	0.09	0.00	0.43	580.00	13.00	572.00	19.00	606.00	70.00	572.00	19.00	1.38	
Jaca_J9_51	200.00	2.15	16.11	0.29	0.55	0.01	0.91	2880.00	17.00	2824.00	42.00	2906.00	13.00	2906.00	13.00	2.82	
Jaca_J9_52	256.00	2.01	0.75	0.02	0.09	0.00	0.76	567.00	13.00	571.00	18.00	528.00	56.00	571.00	18.00	0.71	
Jaca_J9_53	347.00	3.76	0.36	0.01	0.05	0.00	0.49	312.00	11.00	315.00	11.00	339.00	80.00	315.00	11.00	0.96	
Jaca_J9_54	399.00	2.26	0.59	0.02	0.07	0.00	0.49	471.00	12.00	463.00	16.00	528.00	68.00	463.00	16.00	1.70	
Jaca_J9_55	481.00	3.51	0.84	0.02	0.10	0.00	0.57	615.30	9.00	610.00	14.00	631.00	40.00	610.00	14.00	0.86	
Jaca_J9_56	525.00	4.34	0.59	0.01	0.07	0.00	0.59	472.80	8.20	451.00	11.00	586.00	47.00	451.00	11.00	4.61	
Jaca_J9_57	417.00	2.80	0.40	0.02	0.05	0.00	0.81	344.00	12.00	340.00	15.00	352.00	64.00	340.00	15.00	1.16	
Jaca_J9_58	141.10	0.40	0.71	0.02	0.09	0.00	0.54	544.40	9.00	541.00	8.70	578.00	41.00	541.00	8.70	0.62	
Jaca_J9_59	1520.00	20.30	0.79	0.07	0.09	0.01	0.81	592.00	36.00	560.00	43.00	743.00	88.00	560.00	43.00	5.41	Rim
Jaca_J9_59	167.50	1.64	7.68	0.25	0.36	0.01	0.84	2190.00	30.00	1964.00	54.00	2413.00	31.00	2413.00	31.00	18.61	Core
Jaca_J9_60	262.00	11.70	0.54	0.02	0.07	0.00	0.78	435.00	12.00	436.50	9.70	443.00	46.00	436.50	9.70	0.34	
Jaca_J9_61	285.00	3.32	0.32	0.01	0.04	0.00	0.35	285.70	8.20	273.60	7.60	375.00	74.00	273.60	7.60	4.24	
Jaca_J9_62	26.80	0.48	1.73	0.06	0.17	0.01	0.38	1023.00	22.00	1007.00	32.00	1044.00	82.00	1044.00	82.00	3.54	
Jaca_J9_63	238.00	2.34	1.26	0.03	0.13	0.00	0.65	828.00	14.00	814.00	20.00	881.00	48.00	814.00	20.00	1.69	
Jaca_J9_64	638.00	2.03	0.37	0.01	0.05	0.00	0.59	317.90	7.80	316.90	9.80	311.00	69.00	316.90	9.80	0.31	
Jaca_J9_65	462.00	6.60	0.58	0.01	0.07	0.00	0.65	463.50	7.30	463.00	12.00	460.00	46.00	463.00	12.00	0.11	
Jaca_J9_66	103.80	2.36	0.84	0.02	0.10	0.00	0.44	621.00	12.00	594.00	20.00	721.00	70.00	594.00	20.00	4.35	
Jaca_J9_67	40.60	0.70	1.37	0.04	0.14	0.00	0.58	877.00	16.00	869.00	17.00	880.00	46.00	880.00	46.00	1.25	
Jaca_J9_68	180.00	2.32	0.76	0.02	0.09	0.00	0.56	576.00	10.00	566.60	8.30	629.00	41.00	566.60	8.30	1.63	
Jaca_J9_69	744.00	1.29	0.39	0.01	0.05	0.00	0.44	335.90	4.50	329.20	5.00	352.00	38.00	329.20	5.00	1.99	
Jaca_J9_70	341.00	4.04	0.56	0.01	0.07	0.00	0.68	451.10	8.30	441.00	10.00	493.00	41.00	441.00	10.00	2.24	
Jaca_J9_71	460.00	3.45	0.86	0.02	0.10	0.00	0.46	632.20	9.20	628.00	13.00	614.00	48.00	628.00	13.00	0.66	
Jaca_J9_73	70.60	1.52	1.76	0.05	0.17	0.00	0.34	1030.00	16.00	996.00	25.00	1116.00	60.00	1116.00	60.00	10.75	
Jaca_J9_74	370.00	1.12	0.83	0.02	0.10	0.00	0.67	613.00	12.00	603.00	14.00	642.00	46.00	603.00	14.00	1.63	
Jaca_J9_75	829.00	6.88	2.07	0.11	0.18	0.01	0.68	1145.00	36.00	1081.00	67.00	1234.00	93.00	1234.00	93.00	12.40	
Jaca_J9_76	64.00	1.15	0.75	0.03	0.09	0.00	0.41	570.00	17.00	558.00	14.00	593.00	41.00	558.00	14.00	2.11	
Jaca_J9_77	151.90	3.62	0.67	0.02	0.08	0.00	0.64	518.00	12.00	498.00	12.00	564.00	81.00	498.00	12.00	3.86	
Jaca_J9_78	331.00	2.09	1.28	0.03	0.14	0.00	0.79	837.00	15.00	817.00	19.00	842.00	36.00	817.00	19.00	2.39	
Jaca_J9_79	101.90	1.15	1.78	0.04	0.17	0.01	0.63	1040.00	17.00	1037.00	27.00	1029.00	49.00	1029.00	49.00	0.78	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
Jaca_J9_80	104.40	1.12	3.71	0.10	0.28	0.01	0.75	1571.00	23.00	1569.00	37.00	1534.00	42.00	1534.00	42.00	2.28	
Jaca_J9_81	255.00	12.05	1.55	0.03	0.16	0.00	0.40	950.00	13.00	957.00	25.00	934.00	59.00	934.00	59.00	2.46	
Jaca_J9_82	224.00	1.50	0.79	0.03	0.09	0.00	0.61	587.00	16.00	584.00	14.00	583.00	54.00	584.00	14.00	0.51	
Jaca_J9_83	569.00	24.90	0.37	0.01	0.05	0.00	0.59	319.90	5.60	315.60	6.30	317.00	37.00	315.60	6.30	1.34	
Jaca_J9_84	88.90	1.34	1.07	0.02	0.12	0.00	0.41	740.00	11.00	727.00	14.00	772.00	45.00	727.00	14.00	1.76	
Jaca_J9_85	59.20	2.04	0.99	0.05	0.11	0.01	0.60	697.00	24.00	650.00	34.00	755.00	98.00	650.00	34.00	6.74	
Jaca_J9_86	164.30	1.51	0.84	0.02	0.10	0.00	0.52	621.10	9.00	621.00	11.00	622.00	38.00	621.00	11.00	0.02	
Jaca_J9_87	199.00	5.24	0.66	0.02	0.08	0.00	0.53	514.70	9.60	523.00	11.00	471.00	52.00	523.00	11.00	1.61	
Jaca_J9_88	91.30	1.26	1.68	0.06	0.16	0.01	0.79	997.00	23.00	952.00	32.00	1121.00	47.00	1121.00	47.00	15.08	
Jaca_J9_89	110.60	6.40	0.95	0.03	0.11	0.00	0.45	677.00	12.00	670.00	17.00	702.00	62.00	670.00	17.00	1.03	
Jaca_J9_90	172.10	4.62	0.83	0.05	0.09	0.01	0.60	612.00	25.00	561.00	36.00	810.00	120.00	561.00	36.00	8.33	
Jaca_J9_91	305.30	2.91	0.79	0.02	0.09	0.00	0.74	590.00	11.00	568.00	12.00	672.00	38.00	568.00	12.00	3.73	
Jaca_J9_92	110.40	3.87	1.08	0.03	0.12	0.00	0.51	744.00	13.00	743.00	17.00	752.00	51.00	743.00	17.00	0.13	
Jaca_J9_93	196.00	3.91	0.69	0.02	0.08	0.00	0.80	532.00	12.00	493.00	17.00	722.00	51.00	493.00	17.00	7.33	
Jaca_J9_94	1030.00	3.40	0.39	0.02	0.05	0.00	0.56	336.00	12.00	304.90	8.20	506.00	70.00	304.90	8.20	9.26	
Jaca_J9_95	122.00	1.43	1.46	0.04	0.15	0.00	0.57	913.00	15.00	892.00	24.00	887.00	55.00	887.00	55.00	0.56	
Jaca_J9_96	254.00	2.04	0.61	0.01	0.08	0.00	0.50	485.10	7.70	486.20	9.10	486.00	42.00	486.20	9.10	0.23	
Jaca_J9_97	367.00	2.66	0.37	0.01	0.05	0.00	0.54	318.50	7.50	309.30	7.30	354.00	56.00	309.30	7.30	2.89	
Jaca_J9_98	32.70	0.61	0.47	0.03	0.05	0.00	0.14	390.00	19.00	307.00	16.00	1010.00	160.00	307.00	16.00	21.28	
Jaca_J9_99	388.00	3.49	0.74	0.01	0.09	0.00	0.53	562.50	7.40	554.20	9.00	575.00	40.00	554.20	9.00	1.48	
Jaca_J9_100	45.10	1.09	11.37	0.21	0.46	0.01	0.87	2553.00	18.00	2442.00	39.00	2638.00	20.00	2638.00	20.00	7.43	
Jaca_J9_101	768.00	3.99	13.30	0.24	0.43	0.01	0.78	2700.00	17.00	2319.00	37.00	2992.00	20.00	2992.00	20.00	22.49	
Jaca_J9_102	40.87	1.93	4.49	0.10	0.30	0.01	0.57	1727.00	19.00	1684.00	31.00	1745.00	36.00	1745.00	36.00	3.50	
Jaca_J9_104	269.00	0.24	0.42	0.01	0.05	0.00	0.39	352.30	7.70	334.20	8.40	483.00	63.00	334.20	8.40	5.14	
Jaca_J9_105	309.00	4.62	0.41	0.02	0.05	0.00	0.51	348.00	17.00	333.00	19.00	400.00	110.00	333.00	19.00	4.31	
Jaca_J9_106	120.50	1.32	1.54	0.03	0.16	0.00	0.35	945.00	12.00	935.00	17.00	963.00	48.00	963.00	48.00	2.91	
Jaca_J9_107	210.00	0.85	0.88	0.02	0.10	0.00	0.43	640.20	9.80	638.00	12.00	619.00	44.00	638.00	12.00	0.34	
Jaca_J9_108	388.00	1.82	1.32	0.02	0.13	0.00	0.69	853.00	10.00	800.00	17.00	976.00	33.00	800.00	17.00	6.21	
Jaca_J9_109	572.00	2.65	0.35	0.01	0.05	0.00	0.65	305.20	5.80	304.60	7.40	326.00	43.00	304.60	7.40	0.20	
Jaca_J9_110	251.30	1.21	0.90	0.02	0.11	0.00	0.38	653.10	8.30	658.00	9.40	621.00	40.00	658.00	9.40	0.75	
Jaca_J9_111	393.00	4.23	0.98	0.02	0.11	0.00	0.64	694.50	8.50	690.40	9.10	681.00	26.00	690.40	9.10	0.59	
Jaca_J9_112	210.00	2.48	0.35	0.01	0.05	0.00	0.53	304.50	9.00	295.30	7.00	319.00	70.00	295.30	7.00	3.02	
Jaca_J9_113	47.70	2.13	1.24	0.03	0.13	0.00	0.22	821.00	15.00	802.00	16.00	878.00	60.00	802.00	60.00	2.31	
Jaca_J9_114	362.00	1.58	1.18	0.05	0.12	0.00	0.58	790.00	25.00	733.00	22.00	960.00	75.00	733.00	22.00	7.22	
Jaca_J9_115	94.10	1.22	3.47	0.14	0.25	0.01	0.80	1515.00	32.00	1437.00	47.00	1622.00	50.00	1622.00	50.00	11.41	
Jaca_J9_116	143.40	0.55	5.16	0.08	0.33	0.00	0.76	1849.00	12.00	1845.00	23.00	1849.00	20.00	1849.00	20.00	0.22	
Jaca_J9_117	154.60	1.11	0.89	0.02	0.11	0.00	0.36	643.00	9.90	646.00	10.00	661.00	45.00	646.00	10.00	0.47	
Jaca_J9_118	303.00	1.87	2.18	0.05	0.20	0.01	0.60	1174.00	15.00	1160.00	29.00	1179.00	41.00	1179.00	41.00	1.61	
Jaca_J9_119	5.23	0.08	2.18	0.23	0.04	0.01	0.20	1156.00	69.00	233.00	36.00	4160.00	280.00	233.00	36.00	79.84	
Jaca_R27_1	259.60	2.89	0.34	0.01	0.05	0.00	0.34	296.80	6.10	290.80	4.50	314.00	53.00	290.80	4.50	2.02	
Jaca_R27_2	345.00	2.33	0.29	0.01	0.04	0.00	0.73	256.90	5.30	245.10	5.70	351.00	38.00	245.10	5.70	4.59	
Jaca_R27_3	142.20	1.27	1.66	0.04	0.16	0.00	0.53	993.00	14.00	962.00	22.00	1047.00	49.00	1047.00	49.00	8.12	
Jaca_R27_4	32.20	0.83	1.33	0.04	0.13	0.00	0.31	857.00	16.00	777.00	15.00	1047.00	58.00	777.00	15.00	9.33	
Jaca_R27_5	200.70	1.04	0.79	0.02	0.10	0.00	0.62	588.90	9.30	586.60	8.00	620.00	36.00	586.60	8.00	0.39	
Jaca_R27_6	553.00	4.22	0.34	0.01	0.05	0.00	0.31	300.50	4.70	300.30	3.90	337.00	35.00	300.30	3.90	0.07	
Jaca_R27_7	317.00	1.30	6.83	0.10	0.30	0.01	0.86	2087.00	14.00	1675.00	26.00	2518.00	15.00	1675.00	15.00	33.48	
Jaca_R27_8	266.40	12.05	0.84	0.01	0.10	0.00	0.44	616.90	6.60	605.30	7.60	672.00	30.00	605.30	7.60	1.88	

Annex 4: dades d'U-Pb en zircons detrítics

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error	206/238 Age (Ma)	2σ error	207/206 Age (Ma)	2σ error	Best age Age (Ma)	2σ error Age (Ma)	Discordance Age (Ma) %	Rim / Core
Jaca_R27_9	320.00	15.60	0.85	0.01	0.10	0.00	0.49	626.10	6.50	603.50	4.80	715.00	27.00	603.50	4.80	3.61	
Jaca_R27_10	475.00	2.40	0.32	0.00	0.04	0.00	0.31	284.70	3.60	282.90	4.20	296.00	45.00	282.90	4.20	0.63	
Jaca_R27_11	163.00	0.57	0.64	0.01	0.08	0.00	0.31	499.20	6.80	494.90	7.00	528.00	37.00	494.90	7.00	0.86	
Jaca_R27_12	73.60	1.19	1.52	0.02	0.15	0.00	0.17	938.30	8.90	924.00	11.00	983.00	36.00	983.00	36.00	6.00	
Jaca_R27_13	245.80	2.06	0.86	0.02	0.09	0.00	0.55	631.00	10.00	584.30	6.40	815.00	42.00	584.30	6.40	7.40	
Jaca_R27_14	179.00	2.95	0.56	0.01	0.07	0.00	0.29	453.70	5.60	431.70	5.80	566.00	37.00	431.70	5.80	4.85	
Jaca_R27_15	124.10	3.86	4.24	0.06	0.29	0.00	0.68	1684.00	12.00	1633.00	21.00	1751.00	23.00	1751.00	23.00	6.74	
Jaca_R27_16	183.00	5.45	1.12	0.02	0.12	0.00	0.58	764.70	7.30	754.70	9.40	803.00	30.00	754.70	9.40	1.31	
Jaca_R27_17	135.00	6.30	0.66	0.02	0.08	0.00	0.70	516.00	15.00	510.00	17.00	583.00	61.00	510.00	17.00	1.16	Rim
Jaca_R27_17_1	83.30	2.32	6.25	0.13	0.33	0.01	0.60	2014.00	17.00	1849.00	26.00	2163.00	29.00	2163.00	29.00	14.52	Core
Jaca_R27_18	247.00	9.00	0.50	0.02	0.06	0.00	0.27	409.00	12.00	391.00	12.00	540.00	100.00	391.00	12.00	4.40	Rim
Jaca_R27_18	347.00	8.05	2.93	0.13	0.21	0.01	0.88	1389.00	34.00	1210.00	52.00	1673.00	44.00	1673.00	44.00	27.67	Core
Jaca_R27_19	366.00	3.36	0.34	0.01	0.04	0.00	0.55	298.90	5.70	273.90	4.80	487.00	46.00	273.90	4.80	8.36	
Jaca_R27_20	380.20	7.07	0.89	0.01	0.10	0.00	0.76	646.80	6.30	638.70	7.90	676.00	21.00	638.70	7.90	1.25	
Jaca_R27_21	322.50	2.36	5.07	0.06	0.29	0.00	0.74	1831.10	9.70	1630.00	20.00	2056.00	17.00	2056.00	17.00	20.72	
Jaca_R27_22	77.00	1.74	1.66	0.03	0.16	0.00	0.63	991.00	11.00	943.00	15.00	1095.00	33.00	1095.00	33.00	13.88	
Jaca_R27_23	928.00	4.79	0.83	0.01	0.10	0.00	0.63	614.00	6.60	596.30	9.70	699.00	32.00	596.30	9.70	2.88	
Jaca_R27_24	146.00	68.50	0.88	0.02	0.10	0.00	0.33	644.00	10.00	624.00	17.00	687.00	65.00	624.00	17.00	3.11	
Jaca_R27_25	133.00	1.68	12.62	0.16	0.50	0.01	0.55	2653.00	11.00	2595.00	31.00	2698.00	21.00	2698.00	21.00	3.82	
Jaca_R27_26	457.00	7.03	0.72	0.01	0.09	0.00	0.50	548.90	4.70	542.40	5.10	570.00	22.00	542.40	5.10	1.18	
Jaca_R27_27	179.00	1.36	1.67	0.04	0.16	0.00	0.18	995.00	13.00	957.00	20.00	1073.00	33.00	1073.00	33.00	10.81	
Jaca_R27_28	249.00	1.77	1.11	0.01	0.12	0.00	0.41	761.30	6.40	725.40	8.40	851.00	26.00	725.40	8.40	4.72	
Jaca_R27_29	550.00	2.84	0.35	0.00	0.05	0.00	0.49	305.80	3.50	295.50	3.40	387.00	30.00	295.50	3.40	3.37	
Jaca_R27_30	127.00	2.77	1.02	0.02	0.11	0.00	0.47	710.50	8.80	667.00	11.00	826.00	35.00	667.00	11.00	6.12	
Jaca_R27_31	133.40	0.51	4.03	0.06	0.25	0.00	0.73	1640.00	13.00	1455.00	22.00	1862.00	25.00	1862.00	25.00	21.86	
Jaca_R27_32	357.00	31.90	0.36	0.02	0.05	0.00	0.65	317.00	13.00	301.00	11.00	428.00	71.00	301.00	11.00	5.05	
Jaca_R27_33	380.00	4.30	0.82	0.01	0.10	0.00	0.57	607.30	4.50	594.00	6.10	641.00	22.00	594.00	6.10	2.19	
Jaca_R27_34	515.00	3.42	0.37	0.01	0.05	0.00	0.66	323.80	6.70	297.80	8.10	477.00	59.00	297.80	8.10	8.03	Rim
Jaca_R27_34	159.60	2.81	2.01	0.04	0.14	0.00	0.67	1118.00	14.00	875.00	17.00	1632.00	44.00	875.00	17.00	46.38	Core
Jaca_R27_36	272.00	2.27	0.97	0.01	0.11	0.00	0.33	688.40	7.20	676.30	9.00	699.00	33.00	676.30	9.00	1.76	
Jaca_R27_37	804.00	2.69	0.36	0.01	0.05	0.00	0.68	308.90	4.40	297.50	4.40	375.00	29.00	297.50	4.40	3.69	
Jaca_R27_39	166.00	3.26	0.91	0.01	0.11	0.00	0.54	658.70	7.50	648.00	11.00	695.00	31.00	648.00	11.00	1.62	
Jaca_R27_40	93.90	1.13	1.88	0.04	0.17	0.00	0.53	1074.00	14.00	1016.00	16.00	1197.00	38.00	1197.00	38.00	15.12	
Jaca_R27_41	276.00	0.79	0.74	0.01	0.09	0.00	0.76	561.90	8.10	527.80	9.80	697.00	34.00	527.80	9.80	6.07	
Jaca_R27_42	537.00	3.78	0.76	0.01	0.09	0.00	0.66	571.90	7.90	557.00	10.00	605.00	33.00	557.00	10.00	2.61	
Jaca_R27_43	345.00	2.18	0.34	0.01	0.05	0.00	0.57	295.30	4.70	291.80	3.40	310.00	42.00	291.80	3.40	1.19	
Jaca_R27_44	373.00	7.53	0.88	0.01	0.10	0.00	0.75	642.70	7.20	623.50	9.20	685.00	21.00	623.50	9.20	2.99	
Jaca_R27_45	171.00	0.89	0.82	0.02	0.10	0.00	0.64	605.00	11.00	587.00	8.40	679.00	37.00	587.00	8.40	2.98	
Jaca_R27_46	455.00	1.61	1.83	0.02	0.18	0.00	0.66	1057.40	6.40	1048.00	10.00	1081.00	16.00	1081.00	16.00	3.05	
Jaca_R27_47	151.00	1.97	3.23	0.11	0.21	0.00	0.64	1465.00	25.00	1251.00	23.00	1755.00	47.00	1755.00	47.00	28.72	
Jaca_R27_48	466.00	2.53	0.35	0.00	0.05	0.00	0.07	301.40	3.70	294.30	3.40	337.00	33.00	294.30	3.40	2.36	
Jaca_R27_49	284.00	4.30	1.67	0.03	0.16	0.00	0.72	995.00	12.00	976.00	16.00	1017.00	28.00	1017.00	28.00	4.03	
Jaca_R27_50	652.00	9.72	0.96	0.02	0.11	0.00	0.68	683.50	8.00	678.00	10.00	696.00	23.00	678.00	10.00	0.80	
Jaca_R27_51	69.90	1.93	21.15	0.32	0.58	0.01	0.62	3147.00	15.00	2951.00	43.00	3278.00	23.00	3278.00	23.00	9.98	
Jaca_R27_52	69.50	1.37	0.88	0.03	0.10	0.00	0.47	640.00	14.00	599.00	12.00	765.00	54.00	599.00	12.00	6.41	
Jaca_R27_53	190.10	1.53	1.23	0.02	0.13	0.00	0.58	813.00	11.00	789.00	15.00	913.00	33.00	789.00	15.00	2.95	
Jaca_R27_54	415.60	1.36	0.72	0.01	0.09	0.00	0.60	552.60	6.60	542.50	8.00	595.00	30.00	542.50	8.00	1.83	

Annex 4: dades d'U-Pb en zircons detrítics

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
Jaca_R27_55_	108.60	0.69	0.76	0.02	0.09	0.00	0.39	572.00	10.00	557.50	47.00	648.00	8.10	557.50	8.10	2.53	
Jaca_R27_56_	308.00	2.31	0.87	0.02	0.10	0.00	0.62	633.00	11.00	614.00	44.00	701.00	16.00	614.00	16.00	3.00	
Jaca_R27_57_	361.00	4.02	6.34	0.08	0.36	0.00	0.77	2022.00	11.00	1959.00	17.00	2104.00	25.00	2104.00	17.00	6.89	
Jaca_R27_58_	94.00	1.51	0.93	0.03	0.11	0.00	0.29	664.00	17.00	650.00	90.00	748.00	20.00	650.00	20.00	2.11	
Jaca_R27_59_	178.00	2.87	0.32	0.01	0.04	0.00	0.16	282.90	4.60	282.10	44.00	316.00	3.30	282.10	3.30	0.28	
Jaca_R27_60_	414.00	1.38	0.39	0.01	0.05	0.00	0.71	335.80	8.90	287.60	40.00	740.00	6.70	DISC	DISC	14.35	
Jaca_R27_61_	213.30	1.85	1.15	0.03	0.12	0.00	0.59	778.00	14.00	749.00	52.00	934.00	24.00	749.00	24.00	3.73	
Jaca_R27_62_	228.00	2.72	0.76	0.01	0.09	0.00	0.57	574.60	7.30	562.20	28.00	630.00	7.30	562.20	7.30	2.16	
Jaca_R27_63_	139.00	14.20	0.95	0.04	0.11	0.00	0.72	677.00	19.00	659.00	67.00	873.00	26.00	659.00	26.00	2.66	
Jaca_R27_64_	282.00	1.32	0.74	0.01	0.09	0.00	0.11	563.60	5.50	558.90	30.00	614.00	6.20	558.90	6.20	0.83	
Jaca_R27_65_	233.90	3.02	0.33	0.01	0.05	0.00	0.53	290.90	5.20	292.70	38.00	315.00	4.60	292.70	4.60	0.62	
Jaca_R27_66_	247.20	1.48	1.58	0.05	0.16	0.00	0.54	962.00	20.00	948.00	50.00	1025.00	20.00	1025.00	50.00	7.51	
Jaca_R27_67_	78.70	15.70	0.88	0.02	0.10	0.00	0.16	638.00	11.00	621.00	33.00	719.00	12.00	621.00	12.00	1.66	
Jaca_R27_68_	506.00	2.90	0.31	0.01	0.04	0.00	0.58	274.80	3.90	270.20	4.10	322.00	4.10	270.20	4.10	1.67	
Jaca_R27_69_	147.40	2.83	2.19	0.05	0.19	0.00	0.62	1176.00	14.00	1135.00	38.00	1256.00	21.00	1256.00	38.00	9.63	
Jaca_R27_71_	85.00	1.67	10.79	0.25	0.43	0.01	0.84	2505.00	21.00	2303.00	49.00	2668.00	49.00	2668.00	21.00	13.68	
Jaca_R27_72_	127.20	3.02	0.78	0.02	0.09	0.00	0.29	585.90	8.40	549.60	9.30	723.00	9.30	549.60	9.30	6.20	
Jaca_R27_73_	338.00	2.83	0.37	0.01	0.05	0.00	0.66	321.10	8.30	300.50	55.00	465.00	8.90	300.50	8.90	6.42	
Jaca_R27_74_	263.00	118.00	0.51	0.06	0.06	0.00	0.97	404.00	37.00	369.00	22.00	546.00	22.00	369.00	22.00	8.66	
Jaca_R27_75_	254.00	2.16	1.33	0.02	0.13	0.00	0.80	861.00	11.00	804.00	22.00	1016.00	11.00	804.00	11.00	6.62	
Jaca_R27_76_	194.50	0.85	1.49	0.03	0.15	0.00	0.55	925.00	11.00	918.00	39.00	956.00	16.00	956.00	39.00	3.97	
Jaca_R27_77_	200.60	1.70	0.96	0.01	0.11	0.00	0.34	684.80	5.60	677.00	10.00	710.00	10.00	677.00	10.00	1.14	
Jaca_R27_78_	221.00	1.64	0.33	0.01	0.05	0.00	0.51	291.90	6.60	287.10	53.00	328.00	5.90	287.10	5.90	1.64	
Jaca_R27_80_	874.00	1.94	9.82	0.25	0.40	0.01	0.75	2420.00	25.00	2179.00	33.00	2636.00	33.00	2636.00	33.00	17.34	
Jaca_R27_81_	58.35	1.70	0.77	0.02	0.09	0.00	0.17	580.40	8.40	574.10	50.00	640.00	8.10	574.10	8.10	1.09	
Jaca_R27_82_	163.00	0.79	0.83	0.02	0.10	0.00	0.78	612.00	11.00	605.00	33.00	646.00	14.00	605.00	14.00	1.14	
Jaca_R27_83_	156.00	2.29	1.51	0.02	0.15	0.00	0.46	933.50	7.00	911.90	23.00	998.00	9.80	998.00	23.00	8.63	
Jaca_R27_84_	595.00	10.91	1.69	0.02	0.17	0.00	0.73	1003.80	7.60	996.00	20.00	1026.00	14.00	1026.00	20.00	2.92	
Jaca_R27_85_	125.00	1.71	0.93	0.02	0.11	0.00	0.37	668.10	8.80	662.00	44.00	702.00	10.00	662.00	10.00	0.91	
Jaca_R27_86_	150.70	3.08	5.78	0.09	0.26	0.01	0.86	1943.00	14.00	1497.00	23.00	2478.00	35.00	DISC	DISC	39.59	
Jaca_R27_87_	149.10	1.29	9.13	0.16	0.38	0.01	0.84	2350.00	16.00	2098.00	15.00	2584.00	36.00	2584.00	15.00	18.81	
Jaca_R27_88_	51.90	3.02	0.72	0.02	0.09	0.00	0.33	551.00	14.00	534.00	74.00	584.00	13.00	534.00	13.00	3.09	
Jaca_R27_89_	670.00	11.76	14.54	0.44	0.49	0.02	0.75	2786.00	30.00	2571.00	46.00	2952.00	79.00	2952.00	46.00	12.91	
Jaca_R27_90_	183.80	2.39	4.83	0.08	0.31	0.01	0.71	1790.00	13.00	1731.00	25.00	1875.00	31.00	1875.00	25.00	7.68	
Jaca_R27_91_	63.70	1.68	11.44	0.34	0.43	0.02	0.71	2557.00	28.00	2334.00	43.00	2761.00	71.00	2761.00	43.00	15.47	
Jaca_R27_92_	193.90	5.22	0.74	0.02	0.09	0.00	0.52	563.30	8.60	542.90	42.00	674.00	9.50	542.90	9.50	3.62	
Jaca_R27_93_	284.00	2.01	1.64	0.04	0.16	0.00	0.68	987.00	13.00	949.00	35.00	1091.00	21.00	1091.00	35.00	13.02	
Jaca_R27_94_	453.00	4.03	0.89	0.02	0.10	0.00	0.67	642.80	8.50	644.00	35.00	654.00	14.00	644.00	14.00	0.19	
Jaca_R27_95_	1250.00	0.74	0.13	0.00	0.02	0.00	0.73	127.00	3.80	114.90	47.00	366.00	2.60	114.90	2.60	9.53	
Jaca_R27_96_	415.00	5.24	0.38	0.01	0.05	0.00	0.65	332.00	11.00	323.00	94.00	372.00	16.00	323.00	16.00	2.71	
Jaca_R27_97_	252.00	8.09	0.55	0.01	0.07	0.00	0.21	442.90	5.50	426.30	42.00	521.00	6.10	426.30	6.10	3.75	
Jaca_R27_98_	551.00	1.24	0.71	0.01	0.09	0.00	0.53	543.70	7.90	539.80	40.00	571.00	9.50	539.80	9.50	0.72	
Jaca_R27_99_	177.30	0.99	0.70	0.01	0.08	0.00	0.26	538.80	7.10	512.60	47.00	636.00	7.90	512.60	7.90	4.86	
Jaca_R27_100_	200.00	11.60	1.16	0.04	0.13	0.00	0.48	779.00	21.00	767.00	67.00	804.00	22.00	767.00	22.00	1.54	
Jaca_R27_101_	332.00	5.48	0.87	0.02	0.10	0.00	0.71	639.00	10.00	608.00	36.00	735.00	14.00	608.00	14.00	4.85	
Jaca_R27_102_	143.90	5.65	1.68	0.09	0.15	0.01	0.42	998.00	34.00	903.00	110.00	1130.00	48.00	1130.00	110.00	20.09	
Jaca_R27_103_	111.40	1.12	1.77	0.05	0.17	0.00	0.47	1033.00	17.00	1022.00	52.00	1052.00	26.00	1052.00	52.00	2.85	

Annex 4: dades d'U-Pb en zircons detrítics

Sample	[U] ppm	U/Th	207/235		206/238		2σ error	RHO	207/235		206/238		207/206		Best age		2σ error		Discordance %	Rim / Core
			Age (Ma)	2σ error	Age (Ma)	2σ error			Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error		
Jaca_R27_55_	108.60	0.69	0.76	0.02	0.09	0.02	0.00	0.39	572.00	10.00	557.50	8.10	648.00	47.00	557.50	8.10	2.53			
Jaca_R27_56_	308.00	2.31	0.87	0.02	0.10	0.00	0.00	0.62	633.00	11.00	614.00	16.00	701.00	44.00	614.00	16.00	3.00			
Jaca_R27_57_	361.00	4.02	6.34	0.08	0.36	0.01	0.00	0.77	2022.00	11.00	1959.00	25.00	2104.00	17.00	2104.00	17.00	6.89			
Jaca_R27_58_	94.00	1.51	0.93	0.03	0.11	0.00	0.00	0.29	664.00	17.00	650.00	20.00	748.00	90.00	650.00	20.00	2.11			
Jaca_R27_59_	178.00	2.87	0.32	0.01	0.04	0.00	0.00	0.16	282.90	4.60	282.10	3.30	316.00	44.00	282.10	3.30	0.28			
Jaca_R27_60_	414.00	1.38	0.39	0.01	0.05	0.00	0.00	0.71	335.80	8.90	287.60	6.70	740.00	40.00	DISC	DISC	14.35			
Jaca_R27_61_	213.30	1.85	1.15	0.03	0.12	0.00	0.00	0.59	778.00	14.00	749.00	24.00	934.00	52.00	749.00	24.00	3.73			
Jaca_R27_62_	228.00	2.72	0.76	0.01	0.09	0.00	0.00	0.57	574.60	7.30	562.20	7.30	630.00	28.00	562.20	7.30	2.16			
Jaca_R27_63_	139.00	14.20	0.95	0.04	0.11	0.00	0.00	0.72	677.00	19.00	659.00	26.00	873.00	67.00	659.00	26.00	2.66			
Jaca_R27_64_	282.00	1.32	0.74	0.01	0.09	0.00	0.00	0.11	563.60	5.50	558.90	6.20	614.00	30.00	558.90	6.20	0.83			
Jaca_R27_65_	233.90	3.02	0.33	0.01	0.05	0.00	0.00	0.53	290.90	5.20	292.70	4.60	315.00	38.00	292.70	4.60	0.62			
Jaca_R27_66_	247.20	1.48	1.58	0.05	0.16	0.00	0.00	0.54	962.00	20.00	948.00	20.00	1025.00	50.00	1025.00	50.00	7.51			
Jaca_R27_67_	78.70	15.70	0.88	0.02	0.10	0.00	0.00	0.16	638.00	11.00	621.00	12.00	719.00	50.00	621.00	12.00	2.66			
Jaca_R27_68_	506.00	2.90	0.31	0.01	0.04	0.00	0.00	0.58	274.80	3.90	270.20	4.10	322.00	33.00	270.20	4.10	1.67			
Jaca_R27_69_	147.40	2.83	2.19	0.05	0.19	0.00	0.00	0.62	1176.00	14.00	1135.00	21.00	1256.00	38.00	1256.00	38.00	9.63			
Jaca_R27_71_	85.00	1.67	10.79	0.25	0.43	0.01	0.00	0.84	2505.00	21.00	2303.00	49.00	2668.00	21.00	2668.00	21.00	13.68			
Jaca_R27_72_	127.20	3.02	0.78	0.02	0.09	0.00	0.00	0.29	585.90	8.40	549.60	9.30	723.00	42.00	549.60	9.30	6.20			
Jaca_R27_73_	338.00	2.83	0.37	0.01	0.05	0.00	0.00	0.66	321.10	8.30	300.50	8.90	465.00	55.00	300.50	8.90	6.42			
Jaca_R27_74_	263.00	118.00	0.51	0.06	0.06	0.00	0.00	0.97	404.00	37.00	369.00	22.00	546.00	95.00	369.00	22.00	8.66			
Jaca_R27_75_	254.00	2.16	1.33	0.02	0.13	0.00	0.00	0.80	861.00	11.00	804.00	11.00	1016.00	22.00	804.00	11.00	6.62			
Jaca_R27_76_	194.50	0.85	1.49	0.03	0.15	0.00	0.00	0.55	925.00	11.00	918.00	16.00	956.00	39.00	956.00	39.00	3.97			
Jaca_R27_77_	200.60	1.70	0.96	0.01	0.11	0.00	0.00	0.34	684.80	5.60	677.00	10.00	710.00	38.00	677.00	10.00	1.14			
Jaca_R27_78_	221.00	1.64	0.33	0.01	0.05	0.00	0.00	0.51	291.90	6.60	287.10	5.90	328.00	53.00	287.10	5.90	1.64			
Jaca_R27_80_	874.00	1.94	9.82	0.25	0.40	0.01	0.00	0.75	2420.00	25.00	2179.00	53.00	2636.00	33.00	2636.00	33.00	17.34			
Jaca_R27_81_	58.35	1.70	0.77	0.02	0.09	0.00	0.00	0.17	580.40	8.40	574.10	8.10	640.00	50.00	574.10	8.10	1.09			
Jaca_R27_82_	163.00	0.79	0.83	0.02	0.10	0.00	0.00	0.78	612.00	11.00	605.00	14.00	646.00	33.00	605.00	14.00	1.14			
Jaca_R27_83_	156.00	2.29	1.51	0.02	0.15	0.00	0.00	0.46	933.50	7.00	911.90	9.80	998.00	23.00	998.00	23.00	8.63			
Jaca_R27_84_	595.00	10.91	1.69	0.02	0.17	0.00	0.00	0.73	1003.80	7.60	996.00	14.00	1026.00	20.00	1026.00	20.00	2.92			
Jaca_R27_85_	125.00	1.71	0.93	0.02	0.11	0.00	0.00	0.37	668.10	8.80	662.00	10.00	702.00	44.00	662.00	10.00	0.91			
Jaca_R27_86_	150.70	3.08	5.78	0.09	0.26	0.01	0.00	0.86	1943.00	14.00	1497.00	35.00	2478.00	23.00	DISC	DISC	39.59			
Jaca_R27_87_	149.10	1.29	9.13	0.16	0.38	0.01	0.00	0.84	2350.00	16.00	2098.00	36.00	2584.00	15.00	2584.00	15.00	18.81			
Jaca_R27_88_	51.90	3.02	0.72	0.02	0.09	0.00	0.00	0.33	551.00	14.00	534.00	13.00	584.00	74.00	534.00	13.00	3.09			
Jaca_R27_89_	670.00	11.76	14.54	0.44	0.49	0.02	0.00	0.75	2786.00	30.00	2571.00	79.00	2952.00	46.00	2952.00	46.00	12.91			
Jaca_R27_90_	183.80	2.39	4.83	0.08	0.31	0.01	0.00	0.71	1790.00	13.00	1731.00	31.00	1875.00	25.00	1875.00	25.00	7.68			
Jaca_R27_91_	63.70	1.68	11.44	0.34	0.43	0.02	0.00	0.71	2557.00	28.00	2334.00	71.00	2761.00	43.00	2761.00	43.00	15.47			
Jaca_R27_92_	193.90	5.22	0.74	0.02	0.09	0.00	0.00	0.52	563.30	8.60	542.90	9.50	674.00	42.00	542.90	9.50	3.62			
Jaca_R27_93_	284.00	2.01	1.64	0.04	0.16	0.00	0.00	0.68	987.00	13.00	949.00	21.00	1091.00	35.00	1091.00	35.00	13.02			
Jaca_R27_94_	453.00	4.03	0.89	0.02	0.10	0.00	0.00	0.67	642.80	8.50	644.00	14.00	654.00	35.00	644.00	14.00	0.19			
Jaca_R27_95_	1250.00	0.74	0.13	0.00	0.02	0.00	0.00	0.73	127.00	3.80	114.90	2.60	366.00	47.00	114.90	2.60	9.53			
Jaca_R27_96_	415.00	5.24	0.38	0.01	0.05	0.00	0.00	0.65	332.00	11.00	323.00	16.00	372.00	94.00	323.00	16.00	2.71			
Jaca_R27_97_	252.00	8.09	0.55	0.01	0.07	0.00	0.00	0.21	442.90	5.50	426.30	6.10	521.00	42.00	426.30	6.10	3.75			
Jaca_R27_98_	551.00	1.24	0.71	0.01	0.09	0.00	0.00	0.53	543.70	7.90	539.80	9.50	571.00	40.00	539.80	9.50	0.72			
Jaca_R27_99_	177.30	0.99	0.70	0.01	0.08	0.00	0.00	0.26	538.80	7.10	512.60	7.90	636.00	47.00	512.60	7.90	4.86			
Jaca_R27_100_	200.00	11.60	1.16	0.04	0.13	0.00	0.00	0.48	779.00	21.00	767.00	22.00	804.00	67.00	767.00	22.00	1.54			
Jaca_R27_101_	332.00	5.48	0.87	0.02	0.10	0.00	0.00	0.71	639.00	14.00	608.00	14.00	735.00	36.00	608.00	14.00	4.85			
Jaca_R27_102_	143.90	5.65	1.68	0.09	0.15	0.01	0.00	0.42	998.00	34.00	903.00	48.00	1130.00	110.00	1130.00	110.00	20.09			
Jaca_R27_103_	111.40	1.12	1.77	0.05	0.17	0.00	0.00	0.47	1033.00	17.00	1022.00	26.00	1052.00	52.00	1052.00	52.00	2.85			

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
Jaca_R27_104_	101.50	9.30	0.83	0.02	0.10	0.00	0.65	615.00	14.00	586.00	12.00	723.00	44.00	586.00	14.00	4.72	
Jaca_R27_105_	289.00	2.10	3.08	0.10	0.22	0.01	0.92	1429.00	27.00	1289.00	24.00	1633.00	30.00	1633.00	23.00	21.07	
Jaca_R27_106_	342.00	77.00	0.42	0.01	0.05	0.00	0.58	352.80	5.10	333.90	5.10	450.00	3.00	333.90	4.00	5.36	
Jaca_R27_107_	142.00	3.76	0.88	0.06	0.09	0.00	0.29	638.00	33.00	542.00	33.00	1080.00	18.00	DISC	DISC	15.05	
Jaca_R27_108_	132.30	1.66	0.90	0.02	0.10	0.00	0.38	648.70	8.90	635.00	8.90	669.00	41.00	635.00	8.50	2.11	
Jaca_R27_109_	221.60	3.44	0.30	0.01	0.04	0.00	0.47	264.10	6.40	233.70	6.40	553.00	78.00	DISC	DISC	11.51	
Jaca_R27_110_	79.00	0.75	9.84	0.15	0.40	0.01	0.77	2418.00	13.00	2163.00	13.00	2623.00	18.00	2623.00	18.00	17.54	
Jaca_R27_111_	279.00	4.93	2.00	0.03	0.19	0.00	0.66	1113.60	8.70	1103.00	8.70	1146.00	24.00	1146.00	24.00	3.75	
Jaca_R27_112_	150.00	1.50	6.37	0.06	0.35	0.00	0.74	2029.60	23.00	1955.00	23.00	2101.00	18.00	2101.00	18.00	6.95	
Jaca_R27_113_	146.10	0.72	0.96	0.02	0.11	0.00	0.58	681.80	8.80	677.00	8.80	709.00	41.00	677.00	14.00	0.70	
Jaca_R27_114_	297.90	4.06	0.35	0.02	0.05	0.01	0.73	304.00	15.00	286.00	15.00	440.00	250.00	DISC	DISC	5.92	
Jaca_R27_115_	275.00	1.33	1.58	0.03	0.16	0.00	0.72	963.00	10.00	944.00	10.00	1004.00	33.00	1004.00	33.00	5.98	
Jaca_R27_116_	229.80	5.79	0.53	0.01	0.07	0.00	0.54	432.80	6.90	425.70	6.90	479.00	38.00	425.70	5.70	1.64	
Jaca_R27_117_	90.80	1.92	1.67	0.06	0.11	0.00	0.36	1006.00	19.00	686.00	19.00	1760.00	75.00	DISC	DISC	31.81	
Jaca_R27_118_	128.00	0.91	1.40	0.02	0.15	0.00	0.38	891.60	9.50	877.00	9.50	919.00	41.00	919.00	41.00	4.57	
Jaca_R27_119_	103.90	1.20	0.83	0.02	0.10	0.00	0.48	615.00	12.00	601.00	12.00	661.00	62.00	601.00	15.00	2.28	
Jaca_R27_120_	122.70	0.76	4.58	0.05	0.29	0.00	0.75	1745.00	9.90	1649.00	9.90	1868.00	15.00	1868.00	15.00	11.72	
Sabriñanigo_JY2_1_	62.60	0.81	10.75	0.16	0.44	0.01	0.65	2501.00	14.00	2364.00	14.00	2640.00	22.00	2640.00	22.00	10.45	
Sabriñanigo_JY2_2_	202.10	1.16	0.99	0.01	0.11	0.00	0.55	698.20	7.00	687.40	7.00	757.00	28.00	687.40	9.30	1.55	
Sabriñanigo_JY2_3_	328.00	3.76	0.71	0.01	0.09	0.00	0.63	546.40	6.80	558.00	6.80	538.00	38.00	558.00	11.00	2.12	
Sabriñanigo_JY2_4_	312.00	1.97	1.63	0.02	0.16	0.00	0.71	983.30	8.10	965.00	8.10	1043.00	19.00	1043.00	19.00	7.48	
Sabriñanigo_JY2_5_	103.70	1.37	1.58	0.03	0.16	0.00	0.20	961.00	12.00	949.00	12.00	974.00	46.00	974.00	46.00	2.57	
Sabriñanigo_JY2_6_	138.00	0.90	0.82	0.03	0.10	0.00	0.69	605.00	14.00	599.00	14.00	576.00	55.00	599.00	20.00	0.99	
Sabriñanigo_JY2_7_	265.00	3.39	0.92	0.01	0.11	0.00	0.57	662.90	6.20	658.50	6.20	672.00	30.00	658.50	9.10	0.66	
Sabriñanigo_JY2_8_	940.00	93.00	0.89	0.02	0.11	0.00	0.63	648.30	9.30	646.20	9.30	649.00	34.00	646.20	9.00	0.32	Rim
Sabriñanigo_JY2_8_	291.00	0.41	1.49	0.03	0.15	0.00	0.59	927.00	11.00	889.00	11.00	986.00	36.00	986.00	36.00	9.84	Core
Sabriñanigo_JY2_9_	191.00	2.12	0.36	0.01	0.05	0.00	0.33	311.30	6.50	297.60	6.50	331.00	58.00	297.60	4.40	4.40	
Sabriñanigo_JY2_10_	207.00	5.62	1.00	0.02	0.11	0.00	0.49	704.40	9.60	683.00	9.60	746.00	44.00	683.00	15.00	3.04	
Sabriñanigo_JY2_11_	487.00	2.70	0.34	0.01	0.05	0.00	0.66	299.60	3.90	292.80	3.90	317.00	28.00	292.80	4.70	2.27	
Sabriñanigo_JY2_12_	210.00	17.80	0.41	0.01	0.05	0.00	0.56	345.20	6.30	341.40	6.30	333.00	50.00	341.40	7.70	1.10	
Sabriñanigo_JY2_14_	980.00	2.46	0.37	0.01	0.05	0.00	0.43	319.00	3.70	317.30	3.70	300.00	60.00	317.30	8.90	0.53	
Sabriñanigo_JY2_15_	59.80	3.17	1.52	0.04	0.15	0.00	0.52	937.00	15.00	888.00	15.00	1016.00	50.00	1016.00	50.00	12.60	
Sabriñanigo_JY2_16_	236.00	1.07	0.76	0.01	0.09	0.00	0.42	574.70	6.00	556.20	6.00	619.00	31.00	556.20	7.30	3.22	
Sabriñanigo_JY2_17_	166.30	2.54	0.91	0.05	0.10	0.01	0.59	656.00	25.00	642.00	25.00	669.00	91.00	642.00	41.00	2.13	
Sabriñanigo_JY2_18_	42.50	3.28	0.95	0.03	0.10	0.00	0.50	677.00	14.00	624.00	14.00	855.00	51.00	624.00	12.00	7.83	
Sabriñanigo_JY2_19_	487.00	1.36	0.79	0.02	0.10	0.00	0.72	592.00	11.00	588.00	11.00	601.00	42.00	588.00	14.00	0.68	
Sabriñanigo_JY2_20_	406.00	1.74	0.88	0.03	0.10	0.00	0.68	639.00	17.00	641.00	17.00	600.00	65.00	641.00	23.00	0.31	
Sabriñanigo_JY2_21_	449.20	2.29	0.33	0.00	0.05	0.00	0.42	290.20	3.80	285.60	3.80	319.00	34.00	285.60	3.90	1.59	
Sabriñanigo_JY2_22_	488.00	19.50	0.60	0.01	0.08	0.00	0.69	474.60	8.00	467.70	8.00	494.00	39.00	467.70	9.80	1.45	
Sabriñanigo_JY2_23_	2110.00	49.20	0.58	0.02	0.08	0.00	0.76	462.00	11.00	466.00	11.00	485.00	46.00	466.00	13.00	0.87	Rim
Sabriñanigo_JY2_23_	424.00	2.89	0.83	0.02	0.10	0.00	0.79	614.30	9.50	611.50	9.50	641.00	24.00	611.50	8.90	0.46	Core
Sabriñanigo_JY2_24_	535.00	5.40	0.25	0.01	0.03	0.00	0.59	230.30	6.40	214.70	6.40	416.00	66.00	214.70	5.60	6.77	
Sabriñanigo_JY2_25_	272.90	2.89	0.35	0.01	0.05	0.00	0.59	304.60	5.80	303.20	5.80	361.00	44.00	303.20	6.90	0.46	
Sabriñanigo_JY2_26_	211.00	4.97	0.67	0.01	0.08	0.00	0.53	521.80	6.90	520.80	6.90	566.00	32.00	520.80	6.90	0.19	
Sabriñanigo_JY2_27_	325.00	3.45	0.37	0.01	0.05	0.00	0.48	321.30	4.70	320.70	4.70	348.00	38.00	320.70	5.40	0.19	
Sabriñanigo_JY2_28_	220.00	3.41	4.43	0.11	0.27	0.01	0.67	1716.00	20.00	1561.00	20.00	1964.00	44.00	1964.00	44.00	20.52	
Sabriñanigo_JY2_29_	336.00	3.82	0.37	0.01	0.05	0.00	0.67	322.80	7.20	325.00	7.20	365.00	54.00	325.00	11.00	0.68	

Sample	[U]	U/Th	207/235	206/238	2σ error	RHO	207/235	206/238	2σ error	207/235	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm						Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	%	
Sabiñanigo_JV2_30	120.80	1.77	0.68	0.02	0.08	0.00	525.00	13.00	13.00	513.00	14.00	14.00	634.00	58.00	513.00	14.00	2.29	
Sabiñanigo_JV2_31	173.00	4.43	0.87	0.02	0.10	0.00	638.00	10.00	645.00	15.00	15.00	15.00	615.00	41.00	645.00	15.00	1.10	
Sabiñanigo_JV2_32	187.00	9.38	0.59	0.01	0.08	0.00	469.90	7.00	475.10	8.80	8.80	8.80	479.00	44.00	475.10	8.80	1.11	
Sabiñanigo_JV2_33	445.00	2.55	0.34	0.01	0.05	0.00	300.60	4.20	296.90	4.40	353.00	30.00	353.00	30.00	296.90	4.40	1.23	
Sabiñanigo_JV2_34	397.00	2.06	0.35	0.01	0.05	0.00	305.20	4.00	300.20	4.90	371.00	38.00	371.00	38.00	300.20	4.90	1.64	
Sabiñanigo_JV2_35	204.00	9.14	1.59	0.03	0.16	0.00	965.20	9.70	972.00	14.00	951.00	32.00	951.00	32.00	951.00	32.00	2.21	
Sabiñanigo_JV2_36	60.70	4.45	0.64	0.02	0.08	0.00	505.00	11.00	473.90	9.40	646.00	56.00	646.00	56.00	473.90	9.40	6.16	
Sabiñanigo_JV2_37	155.10	1.41	0.76	0.02	0.09	0.00	572.00	11.00	577.00	17.00	620.00	58.00	620.00	58.00	577.00	17.00	0.87	
Sabiñanigo_JV2_38	220.00	4.44	0.61	0.01	0.08	0.00	484.50	5.90	478.20	5.10	502.00	30.00	502.00	30.00	478.20	5.10	1.30	
Sabiñanigo_JV2_39	182.00	2.19	0.69	0.01	0.08	0.00	529.10	6.70	512.00	6.80	601.00	36.00	601.00	36.00	512.00	6.80	3.23	
Sabiñanigo_JV2_40	368.00	9.80	0.58	0.01	0.07	0.00	462.30	3.80	455.90	4.50	500.00	24.00	500.00	24.00	455.90	4.50	1.38	
Sabiñanigo_JV2_41	119.80	1.88	3.79	0.07	0.25	0.01	1592.00	16.00	1430.00	29.00	1798.00	33.00	1798.00	33.00	1798.00	33.00	20.47	
Sabiñanigo_JV2_42	156.00	1.45	10.82	0.17	0.44	0.01	2509.00	15.00	2352.00	37.00	2620.00	23.00	2620.00	23.00	2620.00	23.00	10.23	
Sabiñanigo_JV2_43	124.10	1.60	5.49	0.07	0.32	0.01	1900.00	12.00	1765.00	29.00	2040.00	25.00	2040.00	25.00	2040.00	25.00	13.48	
Sabiñanigo_JV2_44	168.00	2.19	0.33	0.01	0.05	0.00	292.40	5.70	291.40	3.90	294.00	47.00	294.00	47.00	291.40	3.90	0.34	
Sabiñanigo_JV2_45	129.00	2.29	0.69	0.01	0.09	0.00	534.20	7.00	539.10	7.60	524.00	41.00	524.00	41.00	539.10	7.60	0.92	
Sabiñanigo_JV2_46	16.80	1.41	2.01	0.05	0.18	0.00	1116.00	18.00	1054.00	24.00	1260.00	56.00	1260.00	56.00	1260.00	56.00	16.35	
Sabiñanigo_JV2_47	112.40	2.13	0.89	0.02	0.10	0.00	646.20	8.10	633.00	12.00	699.00	40.00	699.00	40.00	633.00	12.00	2.04	
Sabiñanigo_JV2_48	33.90	15.70	0.61	0.03	0.07	0.00	485.00	15.00	427.00	13.00	787.00	71.00	787.00	71.00	DISC	DISC	11.96	
Sabiñanigo_JV2_49	308.00	32.00	0.90	0.01	0.11	0.00	653.00	5.30	649.50	8.40	680.00	31.00	680.00	31.00	649.50	8.40	0.54	
Sabiñanigo_JV2_50	1200.00	32.40	0.57	0.01	0.07	0.00	460.20	4.80	456.20	5.70	489.00	25.00	489.00	25.00	456.20	5.70	0.87	
Sabiñanigo_JV2_51	144.10	1.27	1.85	0.04	0.18	0.00	1063.00	13.00	1079.00	22.00	1035.00	48.00	1035.00	48.00	1035.00	48.00	4.25	
Sabiñanigo_JV2_52	355.00	122.00	0.89	0.04	0.10	0.00	636.00	14.00	627.00	19.00	662.00	60.00	662.00	60.00	627.00	19.00	1.42	
Sabiñanigo_JV2_53	251.00	1.43	1.12	0.02	0.12	0.00	764.00	10.00	745.00	15.00	838.00	39.00	838.00	39.00	745.00	15.00	2.49	
Sabiñanigo_JV2_54	200.40	1.98	0.43	0.01	0.06	0.00	364.70	7.30	364.00	7.10	365.00	41.00	364.00	41.00	364.00	7.10	0.19	
Sabiñanigo_JV2_55	98.80	1.60	0.79	0.02	0.09	0.00	588.60	9.10	567.30	9.40	676.00	43.00	676.00	43.00	567.30	9.40	3.62	
Sabiñanigo_JV2_56	299.00	5.92	0.37	0.01	0.05	0.00	322.40	6.70	313.10	7.20	384.00	40.00	384.00	40.00	313.10	7.20	2.88	
Sabiñanigo_JV2_58	557.00	1.96	0.28	0.01	0.04	0.00	233.00	4.80	239.90	5.60	333.00	46.00	333.00	46.00	239.90	5.60	5.18	
Sabiñanigo_JV2_59	445.50	0.90	0.76	0.01	0.09	0.00	573.70	4.80	562.10	6.00	616.00	22.00	616.00	22.00	562.10	6.00	2.02	
Sabiñanigo_JV2_60	234.00	9.40	0.79	0.02	0.09	0.00	593.00	10.00	561.00	12.00	718.00	31.00	718.00	31.00	561.00	12.00	5.40	
Sabiñanigo_JV2_61	268.00	0.88	0.74	0.02	0.09	0.00	559.80	9.90	536.00	11.00	666.00	36.00	666.00	36.00	536.00	11.00	4.25	
Sabiñanigo_JV2_62	126.90	1.85	3.56	0.06	0.24	0.01	1542.00	12.00	1409.00	26.00	1709.00	22.00	1709.00	22.00	1709.00	22.00	17.55	
Sabiñanigo_JV2_63	137.30	1.88	12.03	0.20	0.46	0.01	2611.00	16.00	2420.00	37.00	2723.00	27.00	2723.00	27.00	2723.00	27.00	11.13	
Sabiñanigo_JV2_64	613.00	3.19	0.34	0.01	0.05	0.00	299.40	5.60	296.70	6.30	312.00	36.00	312.00	36.00	296.70	6.30	0.90	
Sabiñanigo_JV2_65	536.00	3.44	0.31	0.01	0.04	0.00	272.80	4.70	267.80	4.60	317.00	35.00	317.00	35.00	267.80	4.60	1.83	
Sabiñanigo_JV2_66	275.00	3.07	0.33	0.01	0.05	0.00	287.10	5.30	287.10	6.50	291.00	53.00	291.00	53.00	287.10	6.50	0.00	
Sabiñanigo_JV2_67	108.90	1.03	1.51	0.03	0.15	0.00	932.00	10.00	908.00	14.00	1025.00	36.00	1025.00	36.00	1025.00	36.00	11.41	
Sabiñanigo_JV2_68	133.30	1.02	1.24	0.03	0.13	0.00	819.00	11.00	791.00	13.00	916.00	37.00	916.00	37.00	791.00	13.00	3.42	
Sabiñanigo_JV2_69	82.40	1.27	1.28	0.03	0.13	0.00	835.00	14.00	778.00	14.00	1031.00	31.00	1031.00	31.00	778.00	14.00	6.83	
Sabiñanigo_JV2_70	257.00	19.90	0.52	0.01	0.07	0.00	424.50	8.70	425.50	8.20	452.00	43.00	452.00	43.00	425.50	8.20	0.24	
Sabiñanigo_JV2_71	217.00	1.36	1.57	0.02	0.16	0.00	960.20	8.50	952.00	18.00	988.00	39.00	988.00	39.00	988.00	39.00	3.64	
Sabiñanigo_JV2_72	305.00	0.81	1.41	0.03	0.15	0.00	896.00	11.00	889.00	14.00	932.00	17.00	932.00	17.00	932.00	17.00	4.61	
Sabiñanigo_JV2_73	218.20	0.96	5.66	0.06	0.34	0.00	1924.50	8.80	1907.00	20.00	1965.00	17.00	1965.00	17.00	1965.00	17.00	2.95	
Sabiñanigo_JV2_74	343.40	4.11	9.61	0.20	0.43	0.01	2402.00	17.00	2281.00	51.00	2520.00	31.00	2520.00	31.00	2520.00	31.00	9.48	
Sabiñanigo_JV2_75	462.00	2.91	0.37	0.00	0.05	0.00	320.50	3.40	321.10	3.90	333.00	26.00	333.00	26.00	321.10	3.90	0.19	
Sabiñanigo_JV2_76	36.06	1.10	0.80	0.02	0.10	0.00	602.00	14.00	585.00	15.00	673.00	68.00	673.00	68.00	585.00	15.00	2.82	
Sabiñanigo_JV2_77	146.90	0.85	1.06	0.01	0.12	0.00	732.10	6.20	719.50	7.60	782.00	23.00	782.00	23.00	719.50	7.60	1.72	

Annex 4: dades d'U-Pb en zircons detrítics

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
Sabiñanigo_JV2_78	322.00	1.01	1.54	0.02	0.16	0.00	0.46	944.70	6.10	934.60	9.30	980.00	23.00	980.00	23.00	4.63	
Sabiñanigo_JV2_79	129.00	1.92	0.44	0.01	0.06	0.00	0.61	368.90	7.50	356.10	8.60	444.00	47.00	356.10	8.60	3.47	
Sabiñanigo_JV2_80	123.00	1.38	0.54	0.02	0.07	0.00	0.50	439.00	14.00	418.00	17.00	575.00	73.00	418.00	17.00	4.78	
Sabiñanigo_JV2_81	589.00	3.25	0.39	0.01	0.05	0.00	0.55	334.90	6.40	326.70	8.10	378.00	40.00	326.70	8.10	2.45	
Sabiñanigo_JV2_82	728.00	4.25	0.38	0.00	0.05	0.00	0.61	327.80	3.30	320.70	4.50	353.00	23.00	320.70	4.50	2.17	
Sabiñanigo_JV2_83	268.00	1.32	0.54	0.01	0.07	0.00	0.47	437.30	5.90	410.10	6.80	556.00	36.00	410.10	6.80	6.22	
Sabiñanigo_JV2_84	190.20	2.71	0.68	0.02	0.08	0.00	0.69	526.80	9.40	516.60	8.00	545.00	41.00	516.60	8.00	1.94	
Sabiñanigo_JV2_85	144.40	2.45	0.81	0.01	0.09	0.00	0.44	600.70	6.70	578.10	7.70	646.00	34.00	578.10	7.70	3.76	
Sabiñanigo_JV2_86	100.50	4.27	0.60	0.01	0.08	0.00	0.38	477.40	5.70	467.90	6.50	519.00	39.00	467.90	6.50	1.99	
Sabiñanigo_JV2_87	147.20	3.55	1.71	0.03	0.17	0.00	0.60	1014.10	9.40	988.00	14.00	1039.00	25.00	1039.00	25.00	4.91	
Sabiñanigo_JV2_88	183.10	1.51	0.89	0.02	0.10	0.00	0.64	646.00	8.00	634.00	11.00	679.00	33.00	634.00	11.00	1.86	
Sabiñanigo_JV2_89	464.00	2.92	0.35	0.01	0.05	0.00	0.62	308.10	4.20	307.70	4.50	286.00	31.00	307.70	4.50	0.13	
Sabiñanigo_JV2_90	268.00	1.44	12.13	0.19	0.48	0.01	0.84	2613.00	15.00	2547.00	34.00	2656.00	16.00	2656.00	16.00	4.10	
Sabiñanigo_JV2_91	143.40	2.15	0.48	0.02	0.06	0.00	0.31	393.00	13.00	353.00	11.00	657.00	87.00	DISC	DISC	10.18	
Sabiñanigo_JV2_92	1250.00	3.50	0.27	0.01	0.04	0.00	0.79	243.60	7.50	230.40	9.60	373.00	50.00	230.40	9.60	5.42	
Sabiñanigo_JV2_93	159.00	2.97	0.63	0.01	0.08	0.00	0.50	496.60	8.50	499.00	11.00	523.00	46.00	499.00	11.00	0.48	
Sabiñanigo_JV2_94	71.30	1.25	3.85	0.11	0.24	0.01	0.77	1602.00	23.00	1368.00	29.00	1964.00	33.00	DISC	DISC	30.35	
Sabiñanigo_JV2_95	447.00	4.47	0.38	0.01	0.05	0.00	0.66	326.30	6.80	331.70	8.00	307.00	52.00	331.70	8.00	0.53	
Sabiñanigo_JV2_96	202.80	2.87	0.63	0.02	0.08	0.00	0.51	494.60	9.90	492.00	14.00	542.00	63.00	492.00	14.00	1.65	
Sabiñanigo_JV2_97	56.20	1.80	0.92	0.03	0.10	0.00	0.48	662.00	13.00	619.00	14.00	803.00	57.00	619.00	14.00	6.50	
Sabiñanigo_JV2_98	149.70	1.86	3.30	0.08	0.21	0.01	0.67	1480.00	18.00	1221.00	31.00	1917.00	38.00	DISC	DISC	36.31	
Sabiñanigo_JV2_99	217.20	1.77	1.55	0.03	0.16	0.00	0.56	948.00	13.00	930.00	22.00	1010.00	49.00	1010.00	49.00	7.92	
Sabiñanigo_JV2_100	151.00	2.21	0.82	0.02	0.09	0.00	0.62	608.80	9.90	580.00	13.00	738.00	44.00	580.00	13.00	4.73	
Sabiñanigo_JV2_101	342.30	2.90	0.28	0.01	0.04	0.00	0.52	251.50	4.70	242.50	9.30	388.00	72.00	242.50	9.30	3.58	
Sabiñanigo_JV2_102	440.00	22.40	0.58	0.01	0.08	0.00	0.40	463.80	5.80	467.80	9.40	466.00	46.00	467.80	9.40	0.86	
Sabiñanigo_JV2_103	70.50	1.49	1.80	0.04	0.17	0.00	0.49	1044.00	14.00	1028.00	22.00	1069.00	46.00	1069.00	46.00	3.84	
Sabiñanigo_JV2_104	73.80	1.39	0.98	0.03	0.10	0.00	0.53	698.00	14.00	605.00	17.00	1040.00	54.00	DISC	DISC	13.32	
Sabiñanigo_JV2_105	218.00	3.61	0.34	0.01	0.05	0.00	0.57	297.70	5.00	285.90	6.20	363.00	47.00	285.90	6.20	3.96	
Sabiñanigo_JV2_106	160.80	0.98	0.83	0.02	0.09	0.00	0.45	612.20	8.50	565.50	7.30	784.00	38.00	565.50	7.30	7.63	
Sabiñanigo_JV2_107	219.10	2.68	0.81	0.02	0.10	0.00	0.60	601.70	9.30	598.00	12.00	613.00	46.00	598.00	12.00	0.61	
Sabiñanigo_JV2_108	134.10	1.86	5.90	0.08	0.33	0.00	0.63	1961.00	12.00	1826.00	24.00	2098.00	22.00	2098.00	22.00	12.96	
Sabiñanigo_JV2_109	93.10	1.90	21.68	0.46	0.61	0.01	0.78	3168.00	21.00	3071.00	44.00	3239.00	21.00	3239.00	21.00	5.19	
Sabiñanigo_JV2_110	51.20	5.53	9.62	0.19	0.38	0.01	0.81	2403.00	18.00	2086.00	49.00	2656.00	27.00	2656.00	27.00	21.46	
Sabiñanigo_JV10-1	440.00	1.22	13.09	0.14	0.52	0.01	0.81	2689.00	10.00	2718.00	27.00	2635.00	14.00	2635.00	14.00	3.15	
Sabiñanigo_JV10-2	346.00	1.22	0.38	0.01	0.05	0.00	0.41	325.00	5.30	321.20	4.40	325.00	41.00	321.20	4.40	1.17	
Sabiñanigo_JV10-3	353.00	4.45	0.36	0.01	0.05	0.00	0.45	315.10	4.80	306.30	4.50	371.00	38.00	306.30	4.50	2.79	
Sabiñanigo_JV10-4	445.00	1.96	0.81	0.02	0.10	0.00	0.54	602.00	11.00	596.00	14.00	601.00	35.00	596.00	14.00	1.00	
Sabiñanigo_JV10-5	451.00	2.41	1.39	0.02	0.15	0.00	0.54	885.60	9.90	899.00	15.00	868.00	34.00	868.00	34.00	3.57	
Sabiñanigo_JV10-6	132.30	1.76	9.71	0.19	0.44	0.01	0.88	2411.00	18.00	2348.00	42.00	2446.00	17.00	2446.00	17.00	4.01	
Sabiñanigo_JV10-7	192.00	2.32	0.64	0.01	0.08	0.00	0.28	501.60	6.40	522.20	6.40	421.00	40.00	522.20	6.40	4.11	
Sabiñanigo_JV10-8	834.00	9.60	0.56	0.02	0.07	0.00	0.74	452.00	12.00	449.00	16.00	408.00	59.00	449.00	16.00	0.66	Rim
Sabiñanigo_JV10-8	288.20	3.83	5.50	0.17	0.26	0.01	0.90	1897.00	27.00	1487.00	40.00	2380.00	23.00	DISC	DISC	37.52	Core
Sabiñanigo_JV10-9	2220.00	9.10	0.58	0.03	0.08	0.00	0.87	464.00	20.00	468.00	24.00	403.00	69.00	468.00	24.00	0.86	Rim
Sabiñanigo_JV10-9	1019.00	4.18	0.85	0.01	0.11	0.00	0.74	626.20	6.20	648.00	11.00	547.00	28.00	648.00	11.00	3.48	Core
Sabiñanigo_JV10-10	186.00	2.48	0.99	0.02	0.12	0.00	0.43	695.00	11.00	709.00	13.00	656.00	47.00	709.00	13.00	2.01	
Sabiñanigo_JV10-11	1150.00	53.00	0.52	0.04	0.06	0.00	0.79	426.00	28.00	397.00	27.00	530.00	110.00	397.00	27.00	6.81	Rim
Sabiñanigo_JV10-11	321.00	3.81	2.94	0.12	0.23	0.01	0.88	1389.00	30.00	1331.00	46.00	1505.00	35.00	1505.00	35.00	11.56	Core

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
Sabiñanigo_JY10-12_	439.00	2.80	0.64	0.01	0.08	0.00	0.58	501.70	8.50	507.00	7.40	457.00	39.00	507.00	7.40	1.06	
Sabiñanigo_JY10-13_	1720.00	4.20	0.46	0.01	0.06	0.00	0.86	386.30	5.70	388.50	7.60	377.00	24.00	388.50	7.60	0.57	
Sabiñanigo_JY10-14_	65.20	0.73	0.89	0.05	0.10	0.00	0.48	642.00	26.00	633.00	19.00	630.00	100.00	633.00	19.00	1.40	
Sabiñanigo_JY10-15_	186.80	1.12	0.80	0.01	0.10	0.00	0.45	595.70	7.80	619.00	10.00	527.00	42.00	619.00	10.00	3.91	
Sabiñanigo_JY10-16_	124.00	1.64	0.86	0.02	0.11	0.00	0.37	627.00	12.00	646.00	12.00	565.00	60.00	646.00	12.00	3.03	
Sabiñanigo_JY10-17_	346.00	0.49	0.86	0.02	0.10	0.00	0.69	630.00	10.00	636.00	10.00	583.00	37.00	636.00	10.00	0.95	
Sabiñanigo_JY10-18_	225.00	1.96	0.75	0.02	0.10	0.00	0.77	568.00	12.00	590.00	10.00	504.00	39.00	590.00	10.00	3.87	
Sabiñanigo_JY10-19_	133.00	1.76	0.90	0.02	0.11	0.00	0.40	649.50	9.40	658.50	8.20	601.00	42.00	658.50	8.20	1.39	
Sabiñanigo_JY10-20_	467.00	1.74	0.87	0.01	0.11	0.00	0.64	634.50	6.00	644.00	9.00	592.00	26.00	644.00	9.00	1.50	
Sabiñanigo_JY10-21_	599.00	3.25	1.89	0.03	0.19	0.00	0.64	1075.00	10.00	1110.00	13.00	1004.00	22.00	1004.00	22.00	10.56	
Sabiñanigo_JY10-22_	233.00	3.03	0.71	0.01	0.09	0.00	0.51	544.80	8.40	549.10	8.90	539.00	39.00	549.10	8.90	0.79	
Sabiñanigo_JY10-23_	868.00	17.70	0.90	0.02	0.10	0.00	0.65	653.60	8.90	636.10	9.10	702.00	31.00	636.10	9.10	2.68	
Sabiñanigo_JY10-24_	395.00	2.25	1.91	0.06	0.18	0.00	0.78	1077.00	21.00	1044.00	21.00	1192.00	35.00	1192.00	35.00	12.42	Rim
Sabiñanigo_JY10-24_	83.70	0.53	4.73	0.08	0.32	0.01	0.00	1772.00	14.00	1812.00	28.00	1728.00	38.00	1728.00	38.00	4.86	Core
Sabiñanigo_JY10-25_	297.00	2.42	0.37	0.01	0.05	0.00	0.12	322.50	5.60	320.80	4.10	341.00	51.00	320.80	4.10	0.53	
Sabiñanigo_JY10-26_	296.00	2.10	0.36	0.01	0.05	0.00	0.36	308.40	4.70	306.00	5.30	324.00	47.00	306.00	5.30	0.78	
Sabiñanigo_JY10-27_	242.00	1.85	0.36	0.01	0.05	0.00	0.01	309.80	4.50	304.90	3.70	346.00	45.00	304.90	3.70	1.58	
Sabiñanigo_JY10-28_	277.00	0.44	0.88	0.01	0.11	0.00	0.35	641.90	6.90	657.80	8.00	581.00	35.00	657.80	8.00	2.48	
Sabiñanigo_JY10-29_	659.00	2.47	0.90	0.01	0.11	0.00	0.42	661.30	6.90	655.30	9.00	663.00	33.00	655.30	9.00	0.61	
Sabiñanigo_JY10-30_	581.00	2.72	0.82	0.02	0.10	0.00	0.88	605.00	12.00	618.00	16.00	559.00	26.00	618.00	16.00	2.15	
Sabiñanigo_JY10-31_	185.20	2.06	6.02	0.14	0.36	0.01	0.79	1976.00	21.00	1968.00	49.00	1963.00	33.00	1963.00	33.00	0.25	
Sabiñanigo_JY10-32_	762.00	2.43	0.37	0.01	0.05	0.00	0.56	315.90	7.80	316.00	11.00	328.00	73.00	316.00	11.00	0.03	
Sabiñanigo_JY10-33_	228.00	2.67	1.03	0.02	0.12	0.00	0.69	718.70	9.50	722.00	16.00	717.00	38.00	722.00	16.00	0.46	
Sabiñanigo_JY10-34_	355.00	6.10	1.18	0.02	0.13	0.00	0.55	790.90	9.50	785.00	15.00	813.00	39.00	785.00	15.00	0.75	
Sabiñanigo_JY10-35_	460.00	1.48	0.41	0.01	0.06	0.00	0.54	352.50	4.30	348.80	7.00	338.00	43.00	348.80	7.00	1.05	
Sabiñanigo_JY10-36_	148.30	1.91	1.78	0.04	0.18	0.00	0.47	1040.00	13.00	1045.00	17.00	1037.00	36.00	1037.00	36.00	0.77	
Sabiñanigo_JY10-37_	331.00	2.62	1.13	0.02	0.13	0.00	0.67	767.00	11.00	773.00	17.00	776.00	39.00	773.00	17.00	0.78	
Sabiñanigo_JY10-38_	106.70	1.28	0.82	0.03	0.10	0.00	0.40	608.00	16.00	598.00	20.00	651.00	80.00	598.00	20.00	1.64	
Sabiñanigo_JY10-39_	67.60	1.04	5.02	0.14	0.30	0.01	0.56	1820.00	23.00	1697.00	37.00	1984.00	40.00	1984.00	40.00	14.47	
Sabiñanigo_JY10-40_	187.90	2.13	11.30	0.19	0.47	0.01	0.69	2546.00	16.00	2479.00	50.00	2620.00	27.00	2620.00	27.00	5.38	
Sabiñanigo_JY10-41_	114.10	1.94	1.48	0.08	0.15	0.01	0.58	917.00	31.00	872.00	53.00	1030.00	110.00	1030.00	110.00	15.34	
Sabiñanigo_JY10-42_	240.00	0.93	0.78	0.02	0.10	0.00	0.70	588.00	12.00	585.00	14.00	602.00	46.00	585.00	14.00	0.51	
Sabiñanigo_JY10-43_	273.00	14.19	6.19	0.27	0.26	0.01	0.85	1997.00	39.00	1476.00	53.00	2622.00	34.00	DISC	DISC	43.71	
Sabiñanigo_JY10-44_	323.00	3.90	0.62	0.02	0.08	0.00	0.29	491.00	11.00	492.00	15.00	478.00	88.00	492.00	15.00	0.20	
Sabiñanigo_JY10-45_	75.80	3.41	0.85	0.02	0.10	0.00	0.46	620.00	13.00	630.00	18.00	625.00	64.00	630.00	18.00	1.61	
Sabiñanigo_JY10-46_	317.00	1.57	1.78	0.04	0.17	0.01	0.64	1036.00	15.00	1033.00	28.00	1066.00	49.00	1066.00	49.00	3.10	
Sabiñanigo_JY10-47_	325.00	6.96	0.79	0.01	0.10	0.00	0.63	589.20	7.80	585.00	10.00	613.00	32.00	585.00	10.00	0.71	
Sabiñanigo_JY10-48_	154.70	2.18	0.73	0.03	0.09	0.00	0.49	556.00	15.00	552.00	19.00	604.00	77.00	552.00	19.00	0.72	
Sabiñanigo_JY10-49_	254.00	1.26	0.71	0.03	0.09	0.00	0.47	548.00	19.00	550.00	27.00	520.00	120.00	550.00	27.00	0.36	
Sabiñanigo_JY10-50_	345.00	1.25	0.77	0.02	0.10	0.00	0.49	584.00	12.00	586.00	14.00	557.00	59.00	586.00	14.00	0.34	
Sabiñanigo_JY10-51_	26.62	0.52	0.99	0.04	0.11	0.00	0.37	700.00	20.00	695.00	17.00	676.00	87.00	695.00	17.00	0.71	
Sabiñanigo_JY10-52_	195.20	1.12	5.94	0.18	0.32	0.01	0.90	1963.00	27.00	1793.00	50.00	2147.00	28.00	2147.00	28.00	16.49	
Sabiñanigo_JY10-53_	263.90	8.16	10.63	0.30	0.42	0.01	0.77	2488.00	26.00	2262.00	61.00	2700.00	35.00	2700.00	35.00	16.22	
Sabiñanigo_JY10-54_	320.00	1.72	0.37	0.01	0.05	0.00	0.53	322.90	6.40	323.20	9.20	298.00	62.00	323.20	9.20	0.59	
Sabiñanigo_JY10-55_	420.00	2.34	0.36	0.01	0.05	0.00	0.58	310.40	6.30	299.40	8.20	380.00	49.00	299.40	8.20	3.54	
Sabiñanigo_JY10-56_	228.20	1.71	0.78	0.02	0.09	0.00	0.63	587.00	12.00	583.00	16.00	599.00	52.00	583.00	16.00	0.68	
Sabiñanigo_JY10-57_	102.00	4.40	1.16	0.06	0.13	0.01	0.42	779.00	26.00	770.00	38.00	780.00	100.00	770.00	38.00	1.16	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm							Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	%	
Sabiñanigo_JY10-102_	275.00	0.99	0.87	0.02	0.10	0.00	0.45	637.90	7.90	636.00	10.00	622.00	39.00	636.00	10.00	0.30	
Sabiñanigo_JY10-103_	126.40	0.96	1.62	0.04	0.16	0.00	0.68	977.00	14.00	940.00	20.00	1031.00	40.00	1031.00	40.00	8.83	
Sabiñanigo_JY10-104_	840.00	50.00	0.86	0.02	0.10	0.00	0.53	629.20	9.20	619.00	14.00	640.00	51.00	619.00	14.00	1.62	Rim
Sabiñanigo_JY10-104_	115.30	2.40	1.36	0.03	0.14	0.00	0.53	869.00	15.00	861.00	19.00	874.00	53.00	874.00	53.00	1.49	Core
Sabiñanigo_JY10-105_	384.00	1.21	0.46	0.01	0.06	0.00	0.64	387.10	7.00	375.50	9.30	438.00	43.00	375.50	9.30	3.00	
Sabiñanigo_JY10-106_	380.00	2.26	0.80	0.02	0.10	0.00	0.70	598.00	10.00	593.00	15.00	604.00	40.00	593.00	15.00	0.84	
Sabiñanigo_JY10-107_	373.00	1.68	0.41	0.01	0.05	0.00	0.58	349.10	6.10	344.00	7.30	351.00	40.00	344.00	7.30	1.46	
Sabiñanigo_JY10-108_	627.00	2.15	12.42	0.20	0.48	0.01	0.87	2634.00	15.00	2541.00	44.00	2701.00	17.00	2701.00	17.00	5.92	
Sabiñanigo_JY10-109_	477.00	3.63	0.38	0.01	0.05	0.00	0.57	324.80	6.90	313.00	10.00	377.00	54.00	313.00	10.00	3.63	
Sabiñanigo_JY10-110_	717.00	1.74	0.40	0.01	0.05	0.00	0.79	343.20	9.40	336.70	9.70	321.00	45.00	336.70	9.70	1.89	
Sabiñanigo_JY10-111_	206.00	1.21	1.63	0.03	0.16	0.00	0.76	984.00	11.00	969.00	19.00	1030.00	28.00	1030.00	28.00	5.92	
Sabiñanigo_JY10-112_	369.40	1.57	0.78	0.01	0.09	0.00	0.54	585.80	6.90	574.60	9.50	648.00	33.00	574.60	9.50	1.91	
Sabiñanigo_JY10-113_	161.20	1.39	1.01	0.02	0.12	0.00	0.46	708.00	10.00	708.00	15.00	707.00	46.00	708.00	15.00	0.00	
Sabiñanigo_JY10-114_	192.00	1.18	11.45	0.22	0.48	0.01	0.85	2562.00	18.00	2506.00	52.00	2614.00	20.00	2614.00	20.00	4.13	
Sabiñanigo_JY10-115_	299.00	1.21	1.94	0.06	0.19	0.01	0.60	1092.00	19.00	1104.00	33.00	1096.00	53.00	1096.00	53.00	0.73	
Sabiñanigo_JY10-116_	135.00	1.87	9.75	0.37	0.41	0.02	0.91	2409.00	33.00	2188.00	74.00	2623.00	34.00	2623.00	34.00	16.58	
Sabiñanigo_JY10-117_	414.80	8.16	0.58	0.01	0.08	0.00	0.67	463.60	7.60	474.00	12.00	448.00	46.00	474.00	12.00	2.24	
Sabiñanigo_JY10-118_	886.00	1.88	0.35	0.01	0.05	0.00	0.60	307.80	4.60	309.20	4.30	329.00	33.00	309.20	4.30	0.45	
Sabiñanigo_JY10-119_	322.00	1.03	0.76	0.03	0.10	0.00	0.57	573.00	14.00	585.00	18.00	566.00	66.00	585.00	18.00	2.09	
Sabiñanigo_JY10-120_	241.70	1.47	1.57	0.03	0.16	0.00	0.67	955.00	11.00	969.00	15.00	956.00	29.00	956.00	29.00	1.36	
Atares_JY15_1	37.00	1.52	0.86	0.05	0.08	0.00	0.24	632.00	23.00	484.00	17.00	1260.00	120.00	DISC	DISC	23.42	
Atares_JY15_2	491.00	4.60	0.70	0.02	0.09	0.00	0.55	541.80	9.20	548.30	9.40	513.00	38.00	548.30	9.40	1.20	
Atares_JY15_3	72.90	1.01	0.82	0.03	0.10	0.00	0.31	604.00	19.00	592.00	25.00	630.00	100.00	592.00	25.00	1.99	
Atares_JY15_4	186.00	3.64	4.92	0.07	0.32	0.01	0.57	1804.00	12.00	1789.00	24.00	1815.00	26.00	1815.00	26.00	1.43	
Atares_JY15_5	361.00	3.34	0.34	0.01	0.05	0.00	0.39	296.00	6.00	300.30	5.20	268.00	50.00	300.30	5.20	1.45	
Atares_JY15_6	289.00	1.01	8.01	0.24	0.36	0.01	0.73	2231.00	28.00	1991.00	56.00	2431.00	40.00	2431.00	40.00	18.10	
Atares_JY15_7	110.90	4.73	1.33	0.05	0.14	0.00	0.54	855.00	21.00	825.00	25.00	922.00	60.00	825.00	25.00	3.51	
Atares_JY15_8	233.00	2.95	0.58	0.01	0.07	0.00	0.44	463.70	9.20	465.00	10.00	427.00	56.00	465.00	10.00	0.28	
Atares_JY15_9	375.00	2.77	5.44	0.08	0.32	0.01	0.59	1892.00	12.00	1792.00	25.00	1985.00	24.00	1985.00	24.00	9.72	
Atares_JY15_10	291.00	1.24	1.49	0.03	0.15	0.00	0.34	924.00	13.00	906.00	24.00	954.00	51.00	954.00	51.00	5.03	
Atares_JY15_11	593.00	20.90	0.88	0.10	0.09	0.01	0.39	635.00	50.00	574.00	39.00	860.00	220.00	574.00	39.00	9.61	Rim
Atares_JY15_11	170.70	1.92	9.84	0.39	0.41	0.02	0.76	2425.00	35.00	2204.00	80.00	2613.00	43.00	2613.00	43.00	15.65	Core
Atares_JY15_13	446.00	1.78	1.80	0.03	0.17	0.00	0.60	1045.00	12.00	1036.00	20.00	1072.00	36.00	1072.00	36.00	3.36	
Atares_JY15_14	18.52	0.52	1.67	0.09	0.16	0.01	0.23	998.00	33.00	973.00	29.00	1110.00	120.00	1110.00	120.00	12.34	
Atares_JY15_15	666.00	2.40	0.33	0.01	0.05	0.00	0.50	291.90	4.80	288.20	4.20	308.00	39.00	288.20	4.20	1.27	
Atares_JY15_16	156.30	1.26	1.67	0.03	0.17	0.00	0.53	1000.00	10.00	996.00	17.00	996.00	34.00	996.00	34.00	0.00	
Atares_JY15_17	427.00	2.30	0.35	0.01	0.05	0.00	0.37	307.70	5.70	301.90	4.80	356.00	49.00	301.90	4.80	1.88	
Atares_JY15_18	189.00	0.63	1.86	0.03	0.18	0.00	0.44	1068.00	10.00	1056.00	20.00	1068.00	35.00	1068.00	35.00	1.12	
Atares_JY15_19	504.00	1.57	0.79	0.01	0.10	0.00	0.41	589.90	7.10	585.10	7.90	606.00	36.00	585.10	7.90	0.81	
Atares_JY15_20	351.00	17.70	1.34	0.02	0.14	0.00	0.52	864.00	10.00	852.00	13.00	883.00	38.00	883.00	38.00	3.51	
Atares_JY15_21	177.00	1.86	0.40	0.01	0.05	0.00	0.18	338.70	8.10	300.00	6.90	617.00	71.00	DISC	DISC	11.43	
Atares_JY15_22	290.00	7.38	0.89	0.02	0.10	0.00	0.30	648.00	12.00	619.00	15.00	711.00	57.00	619.00	15.00	4.48	
Atares_JY15_23	44.40	1.47	1.14	0.04	0.13	0.01	0.21	776.00	21.00	780.00	28.00	760.00	100.00	780.00	28.00	0.52	
Atares_JY15_24	165.10	0.95	1.02	0.05	0.12	0.01	0.45	708.00	23.00	712.00	38.00	640.00	120.00	712.00	38.00	0.56	
Atares_JY15_25	179.00	1.53	3.33	0.10	0.25	0.01	0.55	1484.00	23.00	1434.00	40.00	1575.00	49.00	1575.00	49.00	8.95	
Atares_JY15_26	683.00	22.50	0.46	0.02	0.06	0.00	0.70	387.00	11.00	377.90	9.90	459.00	51.00	377.90	9.90	2.35	
Atares_JY15_27	117.30	3.38	0.64	0.02	0.08	0.00	0.35	504.00	10.00	498.00	12.00	566.00	61.00	498.00	12.00	1.19	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm							Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	%	
Atares_JY15_28	140.00	1.67	1.23	0.06	0.13	0.01	0.79	813.00	29.00	787.00	32.00	885.00	67.00	787.00	32.00	3.20	
Atares_JY15_29	227.00	0.87	0.77	0.04	0.09	0.00	0.42	573.00	20.00	554.00	13.00	667.00	73.00	554.00	13.00	3.32	
Atares_JY15_30	252.00	3.57	1.36	0.04	0.15	0.00	0.64	871.00	17.00	841.00	27.00	841.00	56.00	841.00	27.00	0.92	
Atares_JY15_31	138.10	1.38	1.68	0.05	0.16	0.00	0.47	999.00	20.00	982.00	25.00	1071.00	56.00	1071.00	56.00	8.31	
Atares_JY15_32	204.60	2.03	1.74	0.04	0.18	0.00	0.37	1023.00	13.00	1047.00	20.00	1026.00	45.00	1026.00	45.00	2.05	
Atares_JY15_33	510.00	1.71	1.53	0.03	0.16	0.00	0.71	941.00	11.00	939.00	18.00	936.00	34.00	936.00	34.00	0.32	
Atares_JY15_34	111.80	35.40	0.91	0.03	0.09	0.00	0.25	656.00	15.00	575.00	13.00	953.00	72.00	DISC	DISC	12.35	Rim
Atares_JY15_35	303.00	6.19	0.97	0.04	0.11	0.00	0.45	689.00	20.00	652.00	18.00	841.00	74.00	652.00	18.00	5.37	
Atares_JY15_35	57.50	0.72	9.20	0.25	0.40	0.02	0.67	2357.00	25.00	2159.00	70.00	2573.00	53.00	2573.00	53.00	16.09	Core
Atares_JY15_36	166.00	2.33	0.85	0.03	0.10	0.00	0.70	625.00	15.00	613.00	19.00	657.00	58.00	613.00	19.00	1.92	
Atares_JY15_37	113.70	1.66	1.53	0.04	0.16	0.00	0.35	940.00	16.00	960.00	18.00	889.00	57.00	889.00	57.00	7.99	
Atares_JY15_38	300.00	0.90	0.86	0.02	0.10	0.00	0.68	628.00	11.00	630.00	14.00	606.00	42.00	630.00	14.00	0.32	
Atares_JY15_39	29.83	0.76	1.32	0.05	0.13	0.00	0.33	858.00	20.00	771.00	27.00	1084.00	95.00	DISC	DISC	10.14	
Atares_JY15_40	82.30	1.81	0.55	0.02	0.07	0.00	0.07	444.00	12.00	442.00	10.00	442.00	78.00	442.00	10.00	0.45	
Atares_JY15_41	51.20	1.79	3.55	0.19	0.25	0.01	0.71	1544.00	43.00	1423.00	57.00	1645.00	70.00	1645.00	70.00	13.50	
Atares_JY15_42	402.00	41.20	0.52	0.01	0.07	0.00	0.19	427.90	6.30	430.40	6.80	435.00	49.00	430.40	6.80	0.58	
Atares_JY15_43	497.00	4.26	0.60	0.01	0.08	0.00	0.46	477.90	8.20	489.00	12.00	447.00	57.00	489.00	12.00	2.32	
Atares_JY15_44	362.00	3.60	0.75	0.02	0.08	0.00	0.58	566.70	9.80	523.00	11.00	729.00	44.00	523.00	11.00	7.71	
Atares_JY15_45	739.00	17.30	0.92	0.02	0.11	0.00	0.37	660.20	9.00	658.00	13.00	668.00	50.00	658.00	13.00	0.33	
Atares_JY15_46	407.00	4.91	0.54	0.01	0.06	0.00	0.50	434.80	8.70	404.50	9.40	576.00	56.00	404.50	9.40	6.97	
Atares_JY15_47	371.00	6.84	0.99	0.03	0.12	0.00	0.56	699.00	14.00	714.00	21.00	652.00	63.00	714.00	21.00	2.15	
Atares_JY15_48	324.00	2.68	0.36	0.01	0.05	0.00	0.10	308.70	6.70	299.90	5.90	332.00	65.00	299.90	5.90	2.85	
Atares_JY15_49	443.00	4.03	13.22	0.36	0.49	0.02	0.67	2992.00	26.00	2564.00	81.00	2770.00	44.00	2770.00	44.00	7.44	
Atares_JY15_50	191.00	1.06	0.72	0.02	0.08	0.00	0.36	551.00	13.00	501.00	14.00	760.00	65.00	501.00	14.00	9.07	
Atares_JY15_51	471.00	2.61	0.34	0.01	0.05	0.00	0.43	296.20	5.10	301.10	5.80	268.00	44.00	301.10	5.80	1.65	
Atares_JY15_52	118.60	1.22	1.65	0.05	0.17	0.00	0.57	990.00	18.00	988.00	22.00	944.00	48.00	944.00	48.00	4.66	
Atares_JY15_53	131.40	1.73	31.83	0.64	0.68	0.02	0.68	3541.00	20.00	3330.00	63.00	3675.00	31.00	3675.00	31.00	9.39	
Atares_JY15_54	351.00	4.39	0.79	0.02	0.10	0.00	0.48	591.00	11.00	600.00	12.00	525.00	51.00	600.00	12.00	1.52	
Atares_JY15_55	124.20	2.09	0.81	0.04	0.10	0.00	0.62	603.00	20.00	592.00	23.00	660.00	85.00	592.00	23.00	1.82	
Atares_JY15_56	46.60	0.50	4.80	0.13	0.30	0.01	0.73	1781.00	24.00	1686.00	40.00	1855.00	39.00	1855.00	39.00	9.11	
Atares_JY15_57	130.00	1.13	1.74	0.04	0.17	0.00	0.35	1021.00	16.00	994.00	18.00	1080.00	46.00	1080.00	46.00	7.96	
Atares_JY15_58	693.00	4.13	0.65	0.02	0.08	0.00	0.53	508.30	9.90	503.00	12.00	551.00	55.00	503.00	12.00	1.04	
Atares_JY15_59	280.50	1.84	10.15	0.16	0.45	0.01	0.59	2448.00	14.00	2406.00	38.00	2457.00	28.00	2457.00	28.00	2.08	
Atares_JY15_60	128.50	1.44	5.21	0.10	0.32	0.01	0.63	1856.00	16.00	1816.00	38.00	1890.00	38.00	1890.00	38.00	3.92	
Atares_JY15_61	303.10	9.37	0.63	0.01	0.08	0.00	0.22	496.00	8.70	492.20	9.90	509.00	60.00	492.20	9.90	0.77	
Atares_JY15_62	108.00	1.98	0.94	0.03	0.11	0.00	0.57	674.00	16.00	668.00	19.00	674.00	67.00	668.00	19.00	0.89	
Atares_JY15_63	221.00	3.88	0.65	0.01	0.08	0.00	0.34	505.20	8.60	500.00	9.10	548.00	50.00	500.00	9.10	1.03	
Atares_JY15_64	147.20	2.25	1.52	0.05	0.15	0.01	0.56	936.00	20.00	924.00	39.00	988.00	76.00	988.00	76.00	6.48	
Atares_JY15_65	379.00	22.10	0.99	0.05	0.12	0.00	0.44	695.00	23.00	717.00	20.00	604.00	82.00	717.00	20.00	3.17	Rim
Atares_JY15_65	192.90	1.68	1.59	0.06	0.16	0.00	0.66	965.00	22.00	968.00	27.00	910.00	57.00	910.00	57.00	6.37	Core
Atares_JY15_66	335.00	3.90	1.18	0.03	0.13	0.00	0.56	788.00	12.00	805.00	20.00	743.00	53.00	805.00	20.00	2.16	
Atares_JY15_67	422.00	4.79	0.64	0.02	0.08	0.00	0.67	503.00	14.00	494.00	13.00	496.00	54.00	494.00	13.00	1.79	
Atares_JY15_69	112.00	3.77	0.64	0.03	0.05	0.00	0.34	504.00	18.00	302.60	5.90	1586.00	77.00	DISC	DISC	39.96	
Atares_JY15_70	241.00	3.49	0.74	0.02	0.09	0.00	0.64	563.00	13.00	530.00	15.00	677.00	64.00	530.00	15.00	5.86	
Atares_JY15_71	115.10	0.92	0.75	0.02	0.09	0.00	0.36	564.00	11.00	549.00	13.00	605.00	56.00	549.00	13.00	2.66	
Atares_JY15_72	99.00	1.48	1.26	0.04	0.13	0.01	0.38	831.00	17.00	805.00	30.00	859.00	72.00	805.00	30.00	3.13	
Atares_JY15_73	281.00	74.00	0.36	0.01	0.05	0.00	0.23	311.00	11.00	304.00	11.00	310.00	110.00	304.00	11.00	2.25	Rim

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
Atares_JV15_73	722.00	2.48	0.63	0.02	0.08	0.00	0.54	493.00	13.00	493.00	16.00	520.00	16.00	493.00	78.00	0.00	Core
Atares_JV15_74	69.80	0.55	1.48	0.04	0.15	0.00	0.49	923.00	17.00	919.00	21.00	950.00	21.00	950.00	58.00	3.26	Core
Atares_JV15_75	208.00	2.23	0.35	0.01	0.05	0.00	0.38	303.30	7.30	296.10	6.40	383.00	6.40	296.10	66.00	2.37	
Atares_JV15_76	265.00	1.82	1.06	0.02	0.12	0.00	0.44	737.00	10.00	724.00	11.00	754.00	11.00	724.00	41.00	1.76	
Atares_JV15_77	281.00	6.59	0.63	0.01	0.08	0.00	0.61	497.70	8.50	498.70	8.70	501.00	8.70	498.70	42.00	0.20	
Atares_JV15_78	44.70	1.85	1.03	0.04	0.11	0.00	0.14	716.00	20.00	703.00	19.00	820.00	19.00	703.00	100.00	1.82	
Atares_JV15_79	147.10	1.12	0.65	0.02	0.08	0.00	0.27	510.00	12.00	496.00	12.00	558.00	12.00	496.00	74.00	2.75	
Atares_JV15_81	79.40	3.71	1.26	0.04	0.13	0.00	0.04	829.00	16.00	799.00	15.00	896.00	15.00	799.00	64.00	3.62	
Atares_JV15_82	327.00	3.13	0.59	0.01	0.07	0.00	0.41	468.20	7.00	463.40	8.10	469.00	8.10	463.40	46.00	1.03	
Atares_JV15_83	419.00	3.14	0.85	0.02	0.10	0.00	0.55	622.80	8.00	620.00	12.00	640.00	12.00	620.00	38.00	0.45	
Atares_JV15_84	212.00	1.87	1.23	0.02	0.13	0.00	0.34	811.00	10.00	804.00	14.00	827.00	14.00	804.00	43.00	0.86	
Atares_JV15_85	125.20	1.65	4.78	0.14	0.28	0.01	0.68	1786.00	24.00	1607.00	43.00	2007.00	43.00	2007.00	46.00	19.93	
Atares_JV15_86	466.00	2.93	0.96	0.03	0.11	0.00	0.62	679.00	13.00	679.00	18.00	653.00	18.00	679.00	55.00	0.00	
Atares_JV15_87	445.00	2.53	0.36	0.01	0.05	0.00	0.69	310.40	8.90	284.10	8.40	526.00	8.40	284.10	55.00	8.47	
Atares_JV15_88	287.00	1.35	4.32	0.10	0.26	0.01	0.62	1695.00	19.00	1514.00	35.00	1940.00	35.00	1940.00	41.00	21.96	
Atares_JV15_89	322.00	0.61	12.57	0.25	0.51	0.01	0.69	2649.00	18.00	2652.00	56.00	2640.00	56.00	2640.00	31.00	0.45	
Atares_JV15_90	298.00	5.43	10.38	0.14	0.43	0.01	0.54	2469.00	13.00	2291.00	28.00	2598.00	28.00	2598.00	23.00	11.82	
Atares_JV15_91	90.50	1.08	14.13	0.34	0.53	0.02	0.75	2756.00	23.00	2727.00	61.00	2803.00	61.00	2803.00	30.00	2.71	
Atares_JV15_92	75.20	16.80	0.93	0.03	0.11	0.00	0.18	666.00	15.00	662.00	19.00	715.00	19.00	662.00	86.00	0.60	
Atares_JV15_93	344.80	0.57	11.80	0.19	0.48	0.01	0.59	2587.00	15.00	2508.00	39.00	2629.00	39.00	2629.00	25.00	4.60	
Atares_JV15_94	695.00	7.21	0.35	0.01	0.05	0.00	0.26	301.40	4.00	296.20	4.30	331.00	4.30	296.20	42.00	1.73	
Atares_JV15_95	307.00	0.77	0.92	0.02	0.11	0.00	0.18	662.00	12.00	662.00	13.00	644.00	13.00	662.00	46.00	0.00	
Atares_JV15_96	106.50	0.45	0.85	0.03	0.10	0.00	0.45	623.00	14.00	613.00	15.00	614.00	15.00	613.00	66.00	1.61	
Atares_JV15_97	429.00	2.19	0.34	0.01	0.05	0.00	0.36	301.20	6.10	302.80	5.80	255.00	5.80	302.80	57.00	0.53	
Atares_JV15_99	228.00	1.06	1.62	0.04	0.16	0.00	0.53	977.00	14.00	935.00	20.00	1083.00	20.00	1083.00	46.00	13.67	
Atares_JV15_100	272.00	10.50	0.85	0.02	0.10	0.00	0.25	621.20	8.30	624.00	11.00	614.00	11.00	624.00	44.00	0.45	
Atares_JV15_102	182.30	2.45	1.38	0.05	0.14	0.00	0.65	879.00	20.00	846.00	27.00	982.00	27.00	846.00	56.00	3.75	
Atares_JV15_103	117.10	2.37	0.84	0.03	0.09	0.00	0.45	619.00	17.00	550.00	12.00	892.00	12.00	892.00	74.00	11.15	
Atares_JV15_104	108.00	1.07	1.61	0.06	0.16	0.01	0.49	972.00	23.00	969.00	29.00	968.00	29.00	968.00	81.00	0.10	
Atares_JV15_105	224.00	1.00	4.96	0.11	0.33	0.01	0.73	1813.00	19.00	1838.00	35.00	1772.00	35.00	1772.00	28.00	3.72	
Atares_JV15_106	78.50	0.46	2.02	0.06	0.19	0.00	0.35	1121.00	19.00	1098.00	26.00	1151.00	26.00	1151.00	62.00	4.60	
Atares_JV15_107	276.00	0.91	12.63	0.20	0.51	0.01	0.64	2651.00	15.00	2645.00	39.00	2665.00	39.00	2665.00	23.00	0.75	
Atares_JV15_108	82.10	3.41	1.29	0.06	0.13	0.01	0.38	835.00	27.00	765.00	29.00	1041.00	29.00	765.00	99.00	8.38	
Atares_JV15_110	267.00	11.50	0.97	0.02	0.12	0.00	0.37	688.80	8.20	702.00	13.00	674.00	13.00	702.00	47.00	1.92	
Atares_JV15_112	135.20	1.81	0.49	0.02	0.07	0.00	0.55	403.00	14.00	420.00	21.00	376.00	21.00	420.00	94.00	4.22	
Atares_JV15_113	262.60	1.10	4.90	0.06	0.29	0.00	0.69	1801.00	11.00	1658.00	21.00	1986.00	21.00	1986.00	17.00	16.52	
Atares_JV15_114	143.90	1.22	7.75	0.18	0.38	0.01	0.67	2204.00	22.00	2055.00	43.00	2354.00	43.00	2354.00	35.00	12.70	
Atares_JV15_115	499.00	3.60	5.26	0.09	0.32	0.01	0.68	1864.00	15.00	1780.00	29.00	1958.00	29.00	1958.00	25.00	9.09	
Atares_JV15_116	331.00	0.91	1.72	0.03	0.08	0.00	0.51	550.00	16.00	496.00	21.00	727.00	21.00	496.00	84.00	9.82	
Atares_JV15_117	253.00	6.13	1.12	0.04	0.13	0.00	0.30	759.00	17.00	761.00	21.00	710.00	21.00	761.00	69.00	0.26	
Atares_JV15_118	267.00	1.37	0.46	0.01	0.06	0.00	0.37	386.00	8.80	389.50	7.70	349.00	7.70	389.50	60.00	0.91	
Atares_JV15_119	61.60	0.97	1.68	0.04	0.17	0.00	0.34	1000.00	16.00	1000.00	19.00	1025.00	19.00	1025.00	57.00	2.44	
Atares_JV15_120	423.00	11.72	0.61	0.01	0.08	0.00	0.38	479.60	7.60	482.00	11.00	450.00	11.00	482.00	54.00	0.50	
Atares_JV18-1	145.10	33.40	0.92	0.02	0.11	0.00	0.67	663.60	8.50	663.60	9.30	697.00	9.30	663.60	27.00	0.09	
Atares_JV18-2	293.00	1.96	0.65	0.01	0.08	0.00	0.47	506.10	6.30	517.00	5.70	472.00	5.70	517.00	31.00	2.15	
Atares_JV18-3	281.20	0.97	0.82	0.02	0.10	0.00	0.43	605.20	9.50	617.60	8.70	576.00	8.70	617.60	40.00	2.05	
Atares_JV18-4	182.90	0.59	5.01	0.07	0.32	0.00	0.58	1821.00	11.00	1805.00	22.00	1878.00	22.00	1878.00	24.00	3.89	

Annex 4: dades d'U-Pb en zircons detrítics

Sample	[U]	U/Th	207/235	206/238	2σ error	RHO	207/235	206/238	2σ error	207/238	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm						Age (Ma)	Age (Ma)		Age (Ma)	Age (Ma)		Age (Ma)		Age (Ma)	Age (Ma)	%	
Atares_JV18-5	523.00	1.55	0.60	0.01	0.07	0.50	478.00	465.50	5.90	465.50	465.50	8.50	568.00	32.00	465.50	8.50	2.62	
Atares_JV18-6	41.50	1.47	1.27	0.04	0.14	0.56	829.00	826.00	32.00	826.00	826.00	22.00	900.00	120.00	826.00	22.00	0.36	
Atares_JV18-7	300.00	2.68	1.90	0.04	0.19	0.78	1078.00	1094.00	13.00	1094.00	1094.00	18.00	1060.00	26.00	1060.00	26.00	3.21	
Atares_JV18-8	639.00	2.87	0.65	0.01	0.08	0.58	509.80	525.50	4.60	525.50	525.50	4.90	449.00	21.00	525.50	4.90	3.08	
Atares_JV18-9	22.20	0.67	0.78	0.04	0.10	0.32	588.00	596.00	22.00	596.00	596.00	15.00	570.00	110.00	596.00	15.00	1.36	
Atares_JV18-10	359.00	0.93	2.05	0.02	0.19	0.61	1132.60	1145.00	6.40	1145.00	1145.00	12.00	1112.00	21.00	1112.00	21.00	2.97	
Atares_JV18-11	224.00	2.31	6.24	0.06	0.37	0.63	2009.30	2039.00	7.90	2039.00	2039.00	19.00	1999.00	19.00	1999.00	19.00	2.00	
Atares_JV18-12	180.00	1.09	5.06	0.05	0.35	0.67	1828.60	1919.00	8.30	1919.00	1919.00	17.00	1748.00	14.00	1748.00	14.00	9.78	
Atares_JV18-13	702.00	1.07	4.41	0.20	0.28	0.96	1718.00	1579.00	37.00	1579.00	1579.00	62.00	1896.00	19.00	1896.00	19.00	16.72	
Atares_JV18-14	680.00	9.49	0.52	0.01	0.07	0.58	429.50	418.90	8.10	418.90	418.90	8.60	496.00	47.00	418.90	8.60	2.47	
Atares_JV18-15	403.00	1.21	1.24	0.06	0.10	0.31	813.00	616.50	27.00	616.50	616.50	9.50	1400.00	110.00	DISC	DISC	24.17	
Atares_JV18-16	131.90	0.56	0.93	0.02	0.11	0.60	667.00	689.00	10.00	689.00	689.00	13.00	607.00	50.00	689.00	13.00	3.30	
Atares_JV18-17	682.00	4.29	1.04	0.01	0.12	0.67	724.30	737.10	5.70	737.10	737.10	5.60	692.00	16.00	737.10	5.60	1.77	
Atares_JV18-18	307.00	1.18	0.91	0.01	0.11	0.63	658.10	669.00	6.90	669.00	669.00	10.00	632.00	26.00	669.00	10.00	1.66	
Atares_JV18-19	670.00	22.90	0.93	0.02	0.11	0.75	665.00	661.00	12.00	661.00	661.00	39.00	650.00	120.00	661.00	39.00	0.60	Rim
Atares_JV18-19	615.00	7.72	8.74	0.10	0.39	0.75	2311.00	2139.00	10.00	2139.00	2139.00	25.00	2471.00	16.00	2471.00	16.00	13.44	Core
Atares_JV18-20	612.00	0.72	11.46	0.24	0.51	0.93	2558.00	2657.00	19.00	2657.00	2657.00	44.00	2489.00	14.00	2489.00	14.00	6.75	
Atares_JV18-21	1090.00	6.77	5.72	0.12	0.35	0.89	1935.00	1916.00	17.00	1916.00	1916.00	29.00	1969.00	15.00	1969.00	15.00	2.69	
Atares_JV18-22	375.00	2.06	0.99	0.01	0.12	0.51	696.80	705.50	6.80	705.50	705.50	8.70	693.00	26.00	705.50	8.70	1.25	
Atares_JV18-23	169.60	0.89	2.03	0.04	0.20	0.59	1126.00	1181.00	11.00	1181.00	1181.00	17.00	1025.00	26.00	1025.00	26.00	15.22	
Atares_JV18-24	225.00	1.38	1.21	0.02	0.14	0.59	804.50	819.00	8.80	819.00	819.00	11.00	760.00	27.00	819.00	11.00	1.80	
Atares_JV18-25	407.00	8.22	0.84	0.01	0.10	0.05	616.80	616.60	6.00	616.60	616.60	6.90	622.00	24.00	616.60	6.90	0.03	
Atares_JV18-26	184.00	1.55	7.76	0.07	0.42	0.80	2203.00	2267.00	7.90	2267.00	2267.00	20.00	2141.00	10.00	2141.00	10.00	5.89	
Atares_JV18-27	184.00	1.87	0.55	0.01	0.07	0.33	446.50	452.90	7.00	452.90	452.90	7.10	421.00	43.00	452.90	7.10	1.43	
Atares_JV18-28	208.70	3.97	13.83	0.34	0.53	0.86	2735.00	2742.00	23.00	2742.00	2742.00	42.00	2732.00	20.00	2732.00	20.00	0.37	
Atares_JV18-29	87.00	2.20	1.44	0.03	0.15	0.64	907.00	912.00	12.00	912.00	912.00	18.00	914.00	40.00	914.00	40.00	0.22	
Atares_JV18-30	354.00	0.91	12.72	0.13	0.51	0.76	2659.40	2667.00	9.80	2667.00	2667.00	21.00	2640.00	11.00	2640.00	11.00	1.02	
Atares_JV18-31	154.40	1.37	1.48	0.02	0.16	0.61	919.10	937.00	9.90	937.00	937.00	11.00	855.00	28.00	855.00	28.00	9.59	
Atares_JV18-32	537.00	2.28	1.53	0.03	0.16	0.92	939.00	964.00	14.00	964.00	964.00	21.00	909.00	20.00	909.00	20.00	6.05	
Atares_JV18-33	257.00	0.83	0.88	0.01	0.11	0.56	641.70	659.60	5.80	659.60	659.60	9.00	589.00	28.00	659.60	9.00	2.79	
Atares_JV18-34	122.00	1.19	0.69	0.01	0.09	0.40	532.60	538.20	8.40	538.20	538.20	9.30	488.00	42.00	538.20	9.30	1.05	
Atares_JV18-35	849.00	2.51	0.37	0.01	0.05	0.59	319.70	325.00	6.00	325.00	325.00	6.60	294.00	40.00	325.00	6.60	1.66	
Atares_JV18-36	969.00	3.07	0.41	0.00	0.05	0.35	350.90	344.30	3.20	344.30	344.30	3.60	362.00	28.00	344.30	3.60	1.88	
Atares_JV18-37	135.00	5.40	1.12	0.02	0.13	0.15	766.00	782.00	12.00	782.00	782.00	16.00	725.00	54.00	782.00	16.00	2.09	
Atares_JV18-38	754.00	1.73	0.84	0.01	0.10	0.71	617.80	629.00	7.90	629.00	629.00	11.00	557.00	33.00	629.00	11.00	1.81	
Atares_JV18-39	330.00	3.91	5.17	0.11	0.31	0.78	1854.00	1726.00	18.00	1726.00	1726.00	30.00	2000.00	25.00	2000.00	25.00	13.70	
Atares_JV18-40	596.00	10.40	0.66	0.02	0.08	0.39	516.00	510.50	10.00	510.50	510.50	9.60	493.00	47.00	510.50	9.60	1.07	
Atares_JV18-41	573.00	8.45	0.63	0.01	0.08	0.36	496.40	496.80	7.00	496.80	496.80	5.70	474.00	43.00	496.80	5.70	0.08	Rim
Atares_JV18-41	204.10	0.70	1.45	0.06	0.15	0.55	909.00	910.00	24.00	910.00	910.00	19.00	879.00	60.00	879.00	60.00	3.53	Core
Atares_JV18-42	320.00	2.39	0.74	0.01	0.09	0.60	563.50	574.00	7.80	574.00	574.00	12.00	515.00	38.00	574.00	12.00	1.86	
Atares_JV18-43	470.00	84.00	0.84	0.03	0.10	0.44	620.00	614.00	14.00	614.00	614.00	22.00	584.00	80.00	614.00	22.00	0.97	Rim
Atares_JV18-43	102.70	0.61	5.47	0.08	0.35	0.89	1895.00	1924.00	13.00	1924.00	1924.00	25.00	1862.00	19.00	1862.00	19.00	3.33	Core
Atares_JV18-44	91.80	1.25	1.45	0.03	0.16	0.44	911.00	930.00	14.00	930.00	930.00	17.00	843.00	50.00	843.00	17.00	2.09	
Atares_JV18-45	173.90	1.12	0.92	0.01	0.11	0.51	660.60	665.00	7.20	665.00	665.00	9.70	647.00	30.00	665.00	9.70	0.67	
Atares_JV18-46	916.00	2.17	0.39	0.01	0.05	0.40	331.00	326.60	4.30	326.60	326.60	5.00	343.00	37.00	326.60	5.00	1.33	
Atares_JV18-47	779.00	28.80	0.96	0.02	0.11	0.55	681.00	669.00	12.00	669.00	669.00	14.00	712.00	43.00	669.00	14.00	1.76	Rim
Atares_JV18-47	601.00	12.43	2.04	0.03	0.17	0.61	1128.00	1012.00	11.00	1012.00	1012.00	18.00	1390.00	36.00	1390.00	36.00	27.19	Core

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error	206/238 Age (Ma)	2σ error	207/206 Age (Ma)	2σ error	Best age Age (Ma)	2σ error	Discordance %	Rim / Core
Atares_JY18-48	446.00	1.31	0.83	0.01	0.10	0.01	0.67	616.00	6.50	615.00	7.30	599.00	27.00	615.00	7.30	0.16	
Atares_JY18-49	826.00	3.86	5.27	0.12	0.31	0.01	0.91	1861.00	20.00	1761.00	29.00	1979.00	14.00	1979.00	14.00	11.02	
Atares_JY18-50	440.00	6.01	0.60	0.01	0.08	0.00	0.84	477.90	8.20	476.80	8.20	482.00	29.00	476.80	8.20	2.03	
Atares_JY18-51	1180.00	24.50	0.93	0.05	0.11	0.01	0.80	667.00	25.00	653.00	31.00	732.00	76.00	653.00	31.00	2.10	Rim
Atares_JY18-51	376.00	3.10	1.76	0.07	0.17	0.01	0.81	1034.00	25.00	1036.00	33.00	1055.00	46.00	1055.00	46.00	1.80	Core
Atares_JY18-52	464.00	1.19	0.34	0.01	0.05	0.00	0.42	299.00	4.80	290.80	5.00	352.00	40.00	290.80	5.00	2.74	
Atares_JY18-53	134.70	0.57	4.58	0.13	0.31	0.01	0.75	1750.00	23.00	1722.00	48.00	1805.00	38.00	1805.00	38.00	4.60	
Atares_JY18-54	171.60	2.21	1.35	0.02	0.15	0.00	0.61	869.00	10.00	886.00	12.00	846.00	33.00	846.00	12.00	1.96	
Atares_JY18-55	180.90	0.62	0.80	0.02	0.10	0.00	0.54	596.70	9.90	595.40	7.90	620.00	41.00	595.40	7.90	0.22	
Atares_JY18-56	214.20	2.49	1.14	0.02	0.13	0.00	0.53	773.80	7.90	768.00	11.00	802.00	29.00	768.00	11.00	0.75	
Atares_JY18-57	985.00	0.81	12.31	0.26	0.44	0.01	0.93	2626.00	20.00	2357.00	50.00	2830.00	17.00	2830.00	17.00	16.71	
Atares_JY18-58	589.00	2.25	1.40	0.05	0.14	0.01	0.67	896.00	15.00	862.00	38.00	959.00	55.00	959.00	55.00	10.11	
Atares_JY18-59	238.00	1.65	0.75	0.01	0.09	0.00	0.58	566.70	6.20	556.40	8.80	622.00	32.00	556.40	8.80	1.82	
Atares_JY18-60	718.00	2.43	0.39	0.01	0.05	0.00	0.56	335.20	6.30	334.30	6.40	321.00	45.00	334.30	6.40	0.27	
Atares_JY18-61	421.00	1.72	1.38	0.02	0.15	0.00	0.74	879.60	6.50	890.90	8.20	856.00	16.00	856.00	16.00	4.08	
Atares_JY18-62	236.00	0.67	2.07	0.03	0.20	0.00	0.77	1140.10	9.70	1176.00	16.00	1092.00	19.00	1092.00	19.00	7.69	
Atares_JY18-63	334.40	4.35	0.54	0.02	0.07	0.00	0.37	440.00	10.00	433.00	11.00	417.00	67.00	433.00	11.00	1.59	Rim
Atares_JY18-63	481.00	5.38	5.46	0.24	0.32	0.01	0.81	1903.00	42.00	1795.00	25.00	2025.00	54.00	2025.00	54.00	11.36	Core
Atares_JY18-64	256.00	0.60	0.55	0.01	0.07	0.00	0.38	446.10	7.90	450.00	10.00	461.00	66.00	450.00	10.00	0.87	
Atares_JY18-65	155.20	1.33	1.83	0.03	0.18	0.00	0.59	1055.50	9.70	1054.00	14.00	1058.00	26.00	1058.00	26.00	0.38	
Atares_JY18-66	354.20	7.75	0.99	0.03	0.11	0.00	0.82	697.00	16.00	701.00	18.00	708.00	38.00	701.00	18.00	0.57	
Atares_JY18-67	132.00	0.61	0.91	0.02	0.11	0.00	0.36	656.20	9.40	659.00	11.00	656.00	44.00	659.00	11.00	0.43	
Atares_JY18-68	218.90	0.94	0.83	0.01	0.10	0.00	0.30	611.20	7.40	624.30	8.60	563.00	39.00	624.30	8.60	2.14	
Atares_JY18-69	102.60	0.53	0.84	0.02	0.10	0.00	0.41	618.50	8.70	613.40	8.60	649.00	41.00	613.40	8.60	0.82	
Atares_JY18-70	597.00	6.87	2.08	0.04	0.20	0.00	0.75	1143.00	11.00	1155.00	18.00	1142.00	23.00	1142.00	23.00	1.14	
Atares_JY18-71	416.00	5.51	0.61	0.01	0.08	0.00	0.31	485.30	4.70	487.90	5.70	498.00	32.00	487.90	5.70	0.54	
Atares_JY18-72	479.00	3.85	0.34	0.01	0.05	0.00	0.51	299.70	4.90	294.90	3.40	364.00	36.00	294.90	3.40	1.60	
Atares_JY18-73	145.90	1.44	1.65	0.04	0.17	0.00	0.56	989.00	15.00	988.00	18.00	1001.00	49.00	1001.00	49.00	1.30	
Atares_JY18-74	63.30	0.99	0.68	0.02	0.08	0.00	0.54	522.00	13.00	468.00	14.00	748.00	63.00	DISC	DISC	10.34	
Atares_JY18-75	259.20	0.65	0.89	0.01	0.11	0.00	0.53	644.80	6.80	647.80	9.00	651.00	30.00	647.80	9.00	0.47	
Atares_JY18-76	205.00	3.54	14.00	0.33	0.49	0.01	0.90	2751.00	23.00	2584.00	40.00	2888.00	18.00	2888.00	18.00	10.53	
Atares_JY18-77	408.00	8.67	0.75	0.02	0.09	0.00	0.44	569.00	10.00	567.00	15.00	596.00	59.00	567.00	15.00	0.35	
Atares_JY18-78	66.30	1.24	3.96	0.05	0.28	0.00	0.62	1625.00	11.00	1607.00	24.00	1645.00	27.00	1645.00	27.00	2.31	
Atares_JY18-79	93.10	0.75	5.97	0.10	0.35	0.01	0.74	1972.00	14.00	1929.00	31.00	2051.00	21.00	2051.00	21.00	5.95	
Atares_JY18-80	605.00	5.00	0.91	0.01	0.11	0.00	0.76	655.70	6.60	667.80	9.00	645.00	22.00	667.80	9.00	1.85	
Atares_JY18-81	288.00	2.36	0.72	0.01	0.09	0.00	0.65	547.20	8.00	560.10	8.70	524.00	31.00	560.10	8.70	2.36	
Atares_JY18-82	73.70	1.26	1.07	0.02	0.11	0.00	0.31	740.00	11.00	650.00	14.00	1036.00	53.00	DISC	DISC	12.16	
Atares_JY18-83	251.00	5.50	12.10	0.40	0.49	0.02	0.74	2613.00	32.00	2566.00	88.00	2645.00	49.00	2645.00	49.00	2.99	
Atares_JY18-84	760.00	6.60	0.70	0.02	0.08	0.00	0.54	535.00	13.00	520.00	13.00	629.00	65.00	520.00	13.00	2.80	Rim
Atares_JY18-84	335.00	3.71	3.43	0.15	0.20	0.01	0.78	1510.00	33.00	1171.00	70.00	2010.00	54.00	DISC	DISC	41.74	Core
Atares_JY18-85	244.10	3.86	6.07	0.06	0.36	0.00	0.68	1986.60	8.90	1986.00	21.00	2007.00	16.00	2007.00	16.00	1.05	
Atares_JY18-86	398.00	0.56	0.82	0.01	0.10	0.00	0.62	608.30	6.50	616.10	8.70	617.00	27.00	616.10	8.70	1.28	
Atares_JY18-87	174.00	0.75	1.49	0.08	0.14	0.01	0.84	921.00	33.00	879.00	45.00	1110.00	56.00	1110.00	56.00	20.81	
Atares_JY18-88	374.00	1.39	0.75	0.01	0.09	0.00	0.63	565.90	8.20	574.90	9.10	549.00	33.00	574.90	9.10	1.59	
Atares_JY18-89	297.00	2.25	0.94	0.02	0.10	0.00	0.40	672.00	12.00	610.60	8.40	886.00	47.00	610.60	8.40	9.14	
Atares_JY18-90	184.70	0.50	0.84	0.02	0.10	0.00	0.51	620.10	9.20	622.00	11.00	630.00	42.00	622.00	11.00	0.31	
Atares_JY18-91	48.80	2.00	1.17	0.06	0.14	0.01	0.41	785.00	26.00	820.00	31.00	790.00	100.00	820.00	31.00	4.46	

Annex 4: dades d'U-Pb en zircons detrítics

Sample	[U]	U/Th	207/235		206/238		207/235		206/238		207/206		Best age		2σ error		Discordance	Rim / Core
					Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error		
Atares_JY18-92	690.00	1.86	6.44	0.08	0.38	0.01	0.82	2040.00	11.00	2070.00	29.00	2023.00	2023.00	16.00	2023.00	16.00	2.32	
Atares_JY18-93	151.50	1.01	9.29	0.27	0.40	0.01	0.91	2370.00	25.00	2161.00	53.00	2542.00	2542.00	21.00	2542.00	21.00	14.99	
Atares_JY18-94	167.70	1.86	1.45	0.04	0.15	0.00	0.81	906.00	16.00	909.00	25.00	929.00	929.00	38.00	929.00	38.00	2.15	
Atares_JY18-95	324.00	7.20	0.64	0.01	0.08	0.00	0.50	502.70	5.90	508.00	6.10	510.00	510.00	31.00	508.00	6.10	1.05	
Atares_JY18-96	337.00	2.25	2.10	0.03	0.19	0.00	0.77	1147.00	10.00	1145.00	16.00	1180.00	1180.00	19.00	1180.00	19.00	2.97	
Atares_JY18-97	123.60	1.63	5.30	0.08	0.31	0.01	0.78	1867.00	13.00	1765.00	26.00	1985.00	1985.00	21.00	1985.00	21.00	11.08	
Atares_JY18-98	317.00	5.94	0.59	0.01	0.08	0.00	0.48	468.60	5.00	471.40	7.00	468.00	468.00	33.00	471.40	7.00	0.60	
Atares_JY18-99	591.00	2.72	0.64	0.01	0.08	0.00	0.43	502.50	6.10	487.80	5.90	582.00	582.00	36.00	487.80	5.90	2.93	
Atares_JY18-100	307.00	2.80	6.82	0.13	0.35	0.01	0.73	2087.00	16.00	1927.00	31.00	2261.00	2261.00	23.00	2261.00	23.00	14.77	
Atares_JY18-101	431.00	1.47	3.17	0.08	0.23	0.01	0.85	1445.00	20.00	1328.00	30.00	1622.00	1622.00	20.00	1622.00	20.00	18.13	
Atares_JY18-102	554.00	2.82	8.10	0.21	0.35	0.01	0.95	2238.00	24.00	1908.00	49.00	2538.00	2538.00	14.00	2538.00	14.00	24.82	
Atares_JY18-103	473.00	1.78	0.76	0.01	0.09	0.00	0.48	571.50	6.60	564.90	8.90	565.00	565.00	37.00	564.90	8.90	1.15	
Atares_JY18-104	160.00	2.83	1.50	0.03	0.16	0.00	0.75	930.00	12.00	935.00	19.00	924.00	924.00	31.00	924.00	31.00	1.19	
Atares_JY18-105	304.50	1.43	4.54	0.05	0.27	0.00	0.54	1738.00	8.40	1556.00	15.00	1942.00	1942.00	17.00	1942.00	17.00	19.88	
Atares_JY18-106	417.00	2.60	11.50	0.17	0.48	0.01	0.88	2563.00	13.00	2516.00	30.00	2590.00	2590.00	13.00	2590.00	13.00	2.86	
Atares_JY18-107	642.00	2.43	0.38	0.01	0.05	0.00	0.59	327.90	4.50	325.40	4.80	330.00	330.00	35.00	325.40	4.80	0.76	
Atares_JY18-108	154.70	2.17	2.17	0.03	0.20	0.00	0.47	1171.40	9.00	1171.00	14.00	1158.00	1158.00	26.00	1158.00	26.00	1.12	
Atares_JY18-109	279.00	1.65	0.37	0.01	0.05	0.00	0.32	319.10	5.50	313.00	4.90	351.00	351.00	49.00	313.00	4.90	1.91	
Atares_JY18-110	471.00	1.87	0.69	0.03	0.08	0.00	0.47	534.00	19.00	506.00	20.00	642.00	642.00	63.00	506.00	20.00	5.24	
Atares_JY18-111	226.00	1.22	0.74	0.01	0.09	0.00	0.58	564.40	8.00	558.10	9.20	553.00	553.00	36.00	558.10	9.20	1.12	
Atares_JY18-112	41.60	1.07	1.03	0.03	0.12	0.00	0.27	722.00	16.00	716.00	14.00	721.00	721.00	66.00	716.00	14.00	0.83	
Atares_JY18-113	405.20	1.41	12.97	0.17	0.50	0.01	0.82	2676.00	12.00	2614.00	31.00	2703.00	2703.00	15.00	2703.00	15.00	3.29	
Atares_JY18-114	1210.00	2.35	0.36	0.01	0.05	0.00	0.55	309.10	3.90	309.80	4.20	277.00	277.00	30.00	309.80	4.20	0.23	
Atares_JY18-115	491.00	7.69	0.99	0.02	0.11	0.00	0.49	700.20	8.10	697.00	11.00	670.00	670.00	33.00	697.00	11.00	0.46	
Atares_JY18-116	1240.00	2.68	0.72	0.01	0.09	0.00	0.73	551.40	6.20	532.00	7.60	598.00	598.00	26.00	532.00	7.60	3.52	
Atares_JY18-117	219.20	2.86	1.92	0.03	0.18	0.00	0.68	1088.00	11.00	1088.00	19.00	1083.00	1083.00	30.00	1083.00	30.00	0.46	
Atares_JY18-118	156.80	1.81	3.38	0.06	0.26	0.00	0.70	1497.00	13.00	1483.00	23.00	1456.00	1456.00	26.00	1456.00	26.00	1.85	
Atares_JY18-119	469.00	3.00	6.05	0.09	0.36	0.01	0.86	1982.00	13.00	1989.00	28.00	1966.00	1966.00	16.00	1966.00	16.00	1.17	
Atares_JY18-120	2030.00	1.96	0.35	0.01	0.04	0.00	0.71	306.60	8.70	271.00	10.00	564.00	564.00	57.00	DISC	DISC	11.61	
Atares_JY21-1	73.90	0.72	1.64	0.04	0.17	0.00	0.45	984.00	15.00	997.00	23.00	1005.00	1005.00	51.00	1005.00	51.00	0.80	
Atares_JY21-2	207.00	1.50	0.92	0.01	0.11	0.00	0.52	659.10	7.10	659.30	9.60	683.00	683.00	31.00	659.30	9.60	0.03	
Atares_JY21-3	1610.00	2.81	0.33	0.01	0.05	0.00	0.67	292.80	9.40	288.00	19.00	435.00	435.00	85.00	288.00	19.00	1.64	
Atares_JY21-4	140.40	1.39	3.19	0.06	0.24	0.00	0.59	1453.00	13.00	1411.00	24.00	1516.00	1516.00	28.00	1516.00	28.00	6.93	
Atares_JY21-5	71.90	1.28	7.65	0.22	0.39	0.01	0.87	2191.00	26.00	2100.00	45.00	2313.00	2313.00	25.00	2313.00	25.00	9.21	
Atares_JY21-6	440.00	2.16	0.35	0.01	0.04	0.00	0.45	301.10	9.30	278.70	7.80	508.00	508.00	69.00	278.70	7.80	7.44	
Atares_JY21-7	352.00	1.76	0.35	0.01	0.05	0.00	0.43	306.70	4.30	305.90	4.20	307.00	307.00	34.00	305.90	4.20	0.26	
Atares_JY21-8	244.30	1.93	0.83	0.02	0.10	0.00	0.57	613.50	9.80	612.00	17.00	636.00	636.00	46.00	612.00	17.00	0.24	
Atares_JY21-9	191.20	2.66	0.85	0.01	0.10	0.00	0.63	624.20	7.50	619.10	9.90	644.00	644.00	31.00	619.10	9.90	0.82	
Atares_JY21-10	393.00	32.90	0.46	0.02	0.06	0.00	0.58	385.00	13.00	364.00	13.00	531.00	531.00	88.00	364.00	13.00	5.45	
Atares_JY21-11	327.00	1.32	0.86	0.01	0.10	0.00	0.78	629.50	7.90	626.40	9.80	640.00	640.00	23.00	626.40	9.80	0.49	
Atares_JY21-12	91.60	0.88	0.85	0.02	0.10	0.00	0.63	626.00	12.00	615.00	13.00	649.00	649.00	42.00	615.00	13.00	1.76	
Atares_JY21-13	422.00	2.35	0.33	0.01	0.05	0.00	0.66	291.70	5.70	288.10	6.70	323.00	323.00	43.00	288.10	6.70	1.23	
Atares_JY21-14	73.30	2.59	0.36	0.01	0.05	0.00	0.28	313.50	6.70	319.50	6.60	271.00	271.00	65.00	319.50	6.60	1.91	
Atares_JY21-15	150.00	1.96	5.56	0.07	0.33	0.01	0.70	1911.00	11.00	1851.00	25.00	1972.00	1972.00	20.00	1972.00	20.00	6.14	
Atares_JY21-16	96.00	1.20	1.65	0.03	0.17	0.00	0.49	987.00	10.00	1001.00	15.00	950.00	950.00	33.00	950.00	33.00	5.37	
Atares_JY21-17	49.60	1.00	1.72	0.06	0.17	0.01	0.62	1015.00	20.00	992.00	28.00	1062.00	1062.00	56.00	1062.00	56.00	6.59	
Atares_JY21-18	144.90	6.43	0.58	0.02	0.07	0.00	0.82	461.00	11.00	462.00	11.00	447.00	447.00	46.00	462.00	46.00	0.22	

Annex 4: dades d'U-Pb en zircons detrítics

Sample	[U]	U/Th	207/235		206/238		RHO		207/235		206/238		207/206		Best age		2σ error		Discordance %	Rim / Core
			ppm		2σ error		2σ error		Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error		
Atares_JV21-19	29.40	0.11	0.32	0.02	0.02	0.02	0.00	0.24	280.00	16.00	121.10	6.80	1980.00	130.00	613.20	9.20	56.75			
Atares_JV21-20	289.00	5.53	0.85	0.02	0.10	0.00	0.00	0.61	621.00	10.00	613.20	9.20	637.00	30.00	327.30	4.70	1.26			
Atares_JV21-21	318.00	1.45	0.38	0.01	0.05	0.00	0.00	0.69	326.30	5.40	327.30	4.70	312.00	29.00	352.00	4.70	0.31			
Atares_JV21-22	369.00	2.15	0.42	0.01	0.06	0.00	0.00	0.58	356.60	5.90	352.00	5.20	394.00	38.00	352.00	5.20	1.29			
Atares_JV21-23	472.00	0.67	2.27	0.07	0.16	0.00	0.00	0.94	1207.00	21.00	946.00	23.00	1717.00	21.00	DISC	DISC	44.90			
Atares_JV21-24	407.00	1.47	0.87	0.02	0.10	0.00	0.00	0.77	635.90	8.70	633.00	12.00	623.00	28.00	633.00	12.00	0.46			
Atares_JV21-26	436.30	2.05	6.35	0.08	0.37	0.01	0.00	0.53	2025.00	11.00	2015.00	26.00	2035.00	21.00	2035.00	21.00	0.98			
Atares_JV21-27	467.00	0.99	1.78	0.03	0.17	0.00	0.00	0.62	1039.00	11.00	1037.00	17.00	1031.00	32.00	1031.00	32.00	0.58			
Atares_JV21-28	26.20	2.66	0.89	0.03	0.10	0.00	0.00	0.40	645.00	16.00	622.00	13.00	683.00	71.00	622.00	13.00	3.57			
Atares_JV21-29	829.00	4.38	0.39	0.01	0.05	0.00	0.00	0.66	331.30	5.20	333.50	6.70	289.00	37.00	333.50	6.70	0.66			
Atares_JV21-30	107.60	1.37	2.87	0.06	0.22	0.00	0.00	0.59	1380.00	15.00	1272.00	25.00	1514.00	32.00	1514.00	32.00	15.98			
Atares_JV21-31	92.60	1.65	4.35	0.06	0.29	0.00	0.00	0.73	1704.00	11.00	1647.00	24.00	1766.00	22.00	1766.00	22.00	6.74			
Atares_JV21-32	58.10	1.88	1.05	0.03	0.12	0.00	0.00	0.60	731.00	13.00	722.00	13.00	778.00	45.00	722.00	13.00	1.23			
Atares_JV21-33	29.40	1.81	1.86	0.10	0.17	0.01	0.00	0.68	1070.00	34.00	1006.00	56.00	1146.00	84.00	1146.00	84.00	12.22			
Atares_JV21-34	266.00	2.18	0.48	0.03	0.05	0.00	0.00	0.23	398.00	19.00	308.80	5.80	920.00	110.00	DISC	DISC	22.41			
Atares_JV21-35	229.30	4.28	0.67	0.01	0.08	0.00	0.00	0.58	518.90	6.00	518.10	7.30	506.00	28.00	518.10	7.30	0.15			
Atares_JV21-36	129.00	1.70	0.68	0.02	0.08	0.00	0.00	0.57	526.00	15.00	509.00	21.00	559.00	79.00	509.00	21.00	3.23			
Atares_JV21-37	137.00	1.93	0.77	0.01	0.09	0.00	0.00	0.41	582.80	6.40	578.20	7.90	585.00	35.00	578.20	7.90	0.79			
Atares_JV21-38	92.00	1.86	1.69	0.03	0.17	0.00	0.00	0.49	1005.00	10.00	1017.00	13.00	966.00	30.00	966.00	30.00	5.28			
Atares_JV21-39	82.00	1.45	0.75	0.01	0.09	0.00	0.00	0.39	565.60	8.10	554.10	8.20	614.00	39.00	554.10	8.20	2.03			
Atares_JV21-40	64.90	1.53	7.30	0.16	0.39	0.01	0.00	0.74	2147.00	20.00	2131.00	42.00	2135.00	28.00	2135.00	28.00	0.19			
Atares_JV21-41	155.00	1.84	0.73	0.01	0.09	0.00	0.00	0.52	556.40	7.10	562.00	10.00	535.00	36.00	562.00	10.00	1.01			
Atares_JV21-42	541.00	2.95	0.71	0.02	0.09	0.00	0.00	0.83	544.00	11.00	539.00	14.00	531.00	31.00	539.00	14.00	0.92			
Atares_JV21-43	112.70	1.14	1.64	0.04	0.16	0.00	0.00	0.71	983.00	14.00	974.00	21.00	1000.00	33.00	1000.00	33.00	2.60			
Atares_JV21-44	96.00	0.66	1.60	0.03	0.16	0.00	0.00	0.60	973.00	11.00	973.00	14.00	979.00	28.00	979.00	28.00	0.61			
Atares_JV21-45	199.00	3.03	0.96	0.01	0.11	0.00	0.00	0.62	681.50	6.90	676.60	8.70	687.00	25.00	676.60	8.70	0.72			
Atares_JV21-46	601.00	2.12	2.88	0.08	0.18	0.01	0.00	0.91	1372.00	22.00	1076.00	29.00	1860.00	25.00	DISC	DISC	42.15			
Atares_JV21-47	167.00	2.56	1.11	0.02	0.12	0.00	0.00	0.68	757.00	11.00	754.00	15.00	756.00	32.00	754.00	15.00	0.40			
Atares_JV21-48	218.00	1.34	0.83	0.01	0.10	0.00	0.00	0.46	614.10	7.60	620.40	9.50	584.00	37.00	620.40	9.50	1.03			
Atares_JV21-49	62.00	1.03	0.75	0.02	0.09	0.00	0.00	0.38	569.00	10.00	561.30	8.50	602.00	43.00	561.30	8.50	1.35			
Atares_JV21-50	134.00	2.73	0.87	0.04	0.10	0.00	0.00	0.73	636.00	22.00	599.00	29.00	677.00	65.00	599.00	29.00	5.82			
Atares_JV21-51	203.00	2.24	0.75	0.01	0.09	0.00	0.00	0.63	565.50	7.00	568.70	8.60	566.00	31.00	568.70	8.60	0.57			
Atares_JV21-52	87.30	1.35	3.79	0.11	0.27	0.01	0.00	0.57	1589.00	23.00	1518.00	35.00	1666.00	51.00	1666.00	51.00	8.88			
Atares_JV21-53	515.00	1.49	0.37	0.01	0.05	0.00	0.00	0.59	321.70	5.30	317.60	5.00	331.00	36.00	317.60	5.00	1.27			
Atares_JV21-54	104.00	1.11	9.81	0.21	0.42	0.01	0.00	0.75	2417.00	21.00	2243.00	46.00	2575.00	25.00	2575.00	25.00	12.89			
Atares_JV21-55	740.00	6.60	0.97	0.02	0.11	0.00	0.00	0.64	689.40	8.30	671.00	14.00	755.00	39.00	671.00	14.00	2.67			
Atares_JV21-56	413.00	69.20	0.47	0.01	0.06	0.00	0.00	0.22	391.50	9.40	391.00	13.00	380.00	73.00	391.00	13.00	0.13			
Atares_JV21-57	186.30	1.77	1.38	0.04	0.14	0.00	0.00	0.68	880.00	15.00	846.00	20.00	956.00	25.00	846.00	20.00	3.86			
Atares_JV21-58	582.00	2.73	0.37	0.01	0.05	0.00	0.00	0.72	321.70	6.60	325.60	5.50	313.00	40.00	325.60	5.50	1.21			
Atares_JV21-59	186.60	3.56	3.32	0.05	0.28	0.01	0.00	0.58	1484.00	12.00	1566.00	26.00	1377.00	33.00	1377.00	33.00	13.73			
Atares_JV21-60	467.00	3.58	0.37	0.01	0.05	0.00	0.00	0.43	318.60	5.60	312.10	5.90	329.00	46.00	312.10	5.90	2.04			
Atares_JV21-61	341.00	2.09	0.97	0.02	0.11	0.00	0.00	0.68	688.00	10.00	679.00	15.00	720.00	36.00	679.00	15.00	1.31			
Atares_JV21-62	47.40	1.19	7.69	0.26	0.29	0.01	0.00	0.86	2194.00	30.00	1635.00	44.00	2767.00	28.00	DISC	DISC	40.91			
Atares_JV21-63	133.60	3.04	2.69	0.05	0.23	0.01	0.00	0.67	1331.00	14.00	1308.00	27.00	1384.00	33.00	1384.00	33.00	5.49			
Atares_JV21-64	208.10	0.92	0.79	0.02	0.10	0.00	0.00	0.50	590.00	11.00	589.00	15.00	578.00	57.00	589.00	15.00	0.17			
Atares_JV21-65	142.20	2.72	0.85	0.02	0.10	0.00	0.00	0.62	625.90	9.10	625.30	8.20	644.00	29.00	625.30	8.20	0.10			
Atares_JV21-66	157.00	3.28	0.48	0.01	0.06	0.00	0.00	0.45	403.30	7.50	389.10	6.50	491.00	49.00	389.10	6.50	3.52			

Annex 4: dades d'U-Pb en zircons detrítics

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error	206/238 Age (Ma)	2σ error	207/206 Age (Ma)	2σ error	Best age Age (Ma)	2σ error	Discordance Age (Ma)	Rim / Core
Atares_JY21-67_	327.00	5.98	0.53	0.01	0.07	0.00	0.75	430.60	7.00	427.60	8.80	447.00	34.00	427.60	8.80	0.70	
Atares_JY21-68_	189.00	0.82	0.97	0.02	0.11	0.00	0.47	686.80	9.10	647.00	11.00	833.00	40.00	647.00	11.00	5.79	
Atares_JY21-69_	271.00	7.05	0.98	0.06	0.11	0.01	0.24	892.00	30.00	696.00	38.00	629.00	97.00	696.00	38.00	0.58	
Atares_JY21-70_	246.00	1.66	1.43	0.09	0.14	0.01	0.72	699.00	35.00	829.00	38.00	1123.00	90.00	829.00	38.00	7.79	Rim
Atares_JY21-70_	99.10	1.00	4.81	0.14	0.28	0.01	0.77	1785.00	25.00	1588.00	37.00	2002.00	37.00	2002.00	37.00	20.68	Core
Atares_JY21-71_	113.70	0.91	0.69	0.02	0.09	0.00	0.64	529.00	11.00	541.00	12.00	501.00	50.00	541.00	12.00	2.27	
Atares_JY21-72_	448.00	1.79	0.37	0.01	0.05	0.00	0.57	320.50	4.90	314.70	4.90	336.00	38.00	314.70	4.90	1.81	
Atares_JY21-73_	798.00	3.70	0.40	0.01	0.05	0.00	0.56	343.30	5.30	324.90	4.80	485.00	36.00	324.90	4.80	5.36	
Atares_JY21-74_	116.60	1.20	1.56	0.02	0.16	0.00	0.61	954.70	9.20	953.00	13.00	960.00	28.00	960.00	28.00	0.73	
Atares_JY21-75_	380.00	4.72	0.92	0.01	0.11	0.00	0.59	659.00	6.90	656.60	8.60	672.00	28.00	656.60	8.60	0.36	
Atares_JY21-76_	143.80	0.75	1.61	0.02	0.16	0.00	0.47	972.10	8.80	949.00	13.00	1024.00	30.00	1024.00	30.00	7.32	
Atares_JY21-77_	533.00	16.30	0.36	0.01	0.05	0.00	0.64	312.00	4.00	310.60	4.70	332.00	32.00	310.60	4.70	0.45	
Atares_JY21-78_	481.00	0.63	5.52	0.25	0.21	0.01	0.96	1890.00	40.00	1244.00	50.00	2699.00	16.00	DISC	DISC	53.91	
Atares_JY21-79_	34.70	0.72	0.80	0.03	0.10	0.00	0.49	598.00	14.00	586.00	13.00	616.00	61.00	586.00	13.00	2.01	
Atares_JY21-80_	150.00	2.78	2.02	0.03	0.19	0.00	0.65	1121.00	11.00	1125.00	15.00	1119.00	27.00	1119.00	27.00	0.54	
Atares_JY21-81_	236.00	5.54	1.48	0.09	0.13	0.01	0.91	929.00	36.00	784.00	44.00	1284.00	47.00	DISC	DISC	15.61	
Atares_JY21-82_	111.90	0.67	0.77	0.02	0.09	0.00	0.24	577.40	9.90	565.90	7.70	622.00	51.00	565.90	7.70	1.99	
Atares_JY21-83_	146.00	0.89	1.56	0.02	0.16	0.00	0.57	951.80	8.20	945.00	11.00	974.00	26.00	974.00	26.00	2.98	
Atares_JY21-84_	90.00	1.17	1.47	0.03	0.14	0.00	0.30	920.00	10.00	867.00	15.00	1018.00	41.00	1018.00	41.00	14.83	
Atares_JY21-86_	141.00	1.22	2.79	0.05	0.21	0.00	0.79	1353.00	13.00	1245.00	20.00	1524.00	27.00	1524.00	27.00	18.31	
Atares_JY21-87_	202.00	1.58	0.40	0.01	0.05	0.00	0.47	342.80	7.00	318.20	5.10	507.00	50.00	318.20	5.10	7.18	
Atares_JY21-88_	557.00	1.81	0.75	0.01	0.09	0.00	0.55	570.90	7.00	573.10	8.20	564.00	30.00	573.10	8.20	0.39	
Atares_JY21-89_	433.00	2.00	0.35	0.01	0.05	0.00	0.48	301.80	4.10	298.70	4.00	308.00	35.00	298.70	4.00	1.03	
Atares_JY21-90_	161.00	2.56	1.02	0.02	0.12	0.00	0.66	714.00	12.00	717.00	18.00	721.00	43.00	717.00	18.00	0.42	
Atares_JY21-91_	170.20	0.60	0.87	0.02	0.10	0.00	0.56	636.80	8.70	617.70	9.90	700.00	36.00	617.70	9.90	3.00	
Atares_JY21-92_	319.00	1.42	0.62	0.01	0.08	0.00	0.55	486.30	6.70	486.30	7.00	489.00	36.00	486.30	7.00	0.00	
Atares_JY21-93_	533.00	4.15	0.95	0.01	0.11	0.00	0.68	679.60	5.40	679.00	7.90	680.00	20.00	679.00	7.90	0.09	
Atares_JY21-94_	106.00	2.00	5.65	0.07	0.35	0.00	0.62	1923.00	10.00	1920.00	23.00	1936.00	23.00	1936.00	23.00	0.83	
Atares_JY21-95_	226.00	2.41	0.76	0.01	0.09	0.00	0.45	572.70	6.70	567.50	7.50	581.00	34.00	567.50	7.50	0.91	
Atares_JY21-97_	95.30	0.96	1.47	0.05	0.15	0.00	0.45	917.00	20.00	912.00	19.00	943.00	55.00	943.00	55.00	3.29	
Atares_JY21-98_	98.90	1.54	1.27	0.03	0.13	0.00	0.48	831.00	13.00	815.00	17.00	875.00	50.00	815.00	17.00	1.93	
Atares_JY21-100_	177.90	1.26	0.72	0.03	0.09	0.00	0.80	547.00	15.00	536.00	17.00	603.00	46.00	536.00	17.00	2.01	
Atares_JY21-101_	292.00	0.73	2.81	0.11	0.18	0.01	0.56	1354.00	28.00	1087.00	32.00	1821.00	44.00	DISC	DISC	40.31	
Atares_JY21-102_	153.40	4.29	0.54	0.01	0.07	0.00	0.56	438.00	6.70	431.50	7.50	499.00	38.00	431.50	7.50	1.48	
Atares_JY21-104_	162.60	1.00	1.68	0.03	0.17	0.00	0.76	1000.10	9.40	995.00	18.00	1007.00	24.00	1007.00	24.00	1.19	
Atares_JY21-105_	103.00	0.40	0.86	0.02	0.10	0.00	0.23	627.60	9.70	624.20	9.60	662.00	49.00	624.20	9.60	0.54	
Atares_JY21-106_	34.00	0.80	1.75	0.06	0.17	0.01	0.75	1029.00	20.00	1008.00	28.00	1043.00	46.00	1043.00	46.00	3.36	
Atares_JY21-107_	288.00	3.40	1.16	0.02	0.13	0.00	0.59	783.50	7.60	788.20	9.80	769.00	27.00	788.20	9.80	0.60	
Atares_JY21-108_	319.00	7.70	1.06	0.07	0.12	0.00	0.29	732.00	34.00	706.00	18.00	910.00	150.00	706.00	18.00	3.55	Rim
Atares_JY21-108_	239.00	1.20	7.27	0.28	0.33	0.01	0.94	2147.00	34.00	1837.00	62.00	2466.00	24.00	2466.00	24.00	25.51	Core
Atares_JY21-109_	86.30	1.38	0.71	0.01	0.09	0.00	0.42	542.00	8.30	536.70	7.60	535.00	45.00	536.70	7.60	0.98	
Atares_JY21-110_	737.00	2.79	0.76	0.02	0.09	0.00	0.59	570.70	8.70	559.00	9.20	627.00	39.00	559.00	9.20	2.05	
Atares_JY21-111_	495.00	2.51	0.37	0.01	0.05	0.00	0.65	317.90	5.10	316.30	5.10	317.00	34.00	316.30	5.10	0.50	
Atares_JY21-112_	306.00	5.14	0.91	0.01	0.11	0.00	0.58	654.90	7.60	651.70	8.50	657.00	30.00	651.70	8.50	0.49	
Atares_JY21-113_	548.00	3.62	0.38	0.01	0.05	0.00	0.82	323.40	6.30	321.10	6.90	363.00	35.00	321.10	6.90	0.71	
Atares_JY21-114_	193.30	6.13	0.56	0.01	0.07	0.00	0.65	451.40	8.80	424.40	9.80	577.00	38.00	424.40	9.80	5.98	
Atares_JY21-115_	171.00	1.15	1.72	0.03	0.17	0.00	0.66	1019.00	10.00	1020.00	15.00	1023.00	28.00	1023.00	28.00	0.29	

Sample	[U]	U/Th	207/235		206/238		RHO		207/235		206/238		207/206		2σ error		Best age		2σ error		Discordance %	Rim / Core
			Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error		
Atares_JY21-116	338.00	16.70	0.58	0.01	0.07	0.00	0.46	464.60	6.90	459.50	9.80	524.00	47.00	459.50	9.80	1.10						
Atares_JY21-117	519.00	1.97	0.37	0.01	0.05	0.00	0.71	317.10	4.50	315.80	4.20	325.00	29.00	315.80	4.20	0.41						
Atares_JY21-118	198.00	3.19	0.45	0.01	0.06	0.00	0.41	379.10	5.10	374.90	5.60	407.00	37.00	374.90	5.60	1.11						
Atares_JY21-119	317.00	3.43	0.44	0.01	0.06	0.00	0.58	369.70	5.60	365.00	7.20	410.00	38.00	365.00	7.20	1.27						
Atares_JY21-120	240.00	4.89	0.78	0.02	0.09	0.00	0.55	584.00	12.00	567.00	13.00	675.00	50.00	567.00	13.00	2.91						
SantaOrosia_JY23-1	465.00	20.30	0.56	0.02	0.07	0.00	0.88	452.00	12.00	424.00	11.00	615.00	52.00	424.00	11.00	6.19						
SantaOrosia_JY23-1	146.10	1.00	3.67	0.12	0.23	0.01	0.93	1562.00	27.00	1316.00	30.00	1931.00	22.00	DISC	DISC	31.85						
SantaOrosia_JY23-2	289.60	1.83	0.70	0.01	0.09	0.00	0.46	540.30	5.10	531.70	8.50	592.00	34.00	531.70	8.50	1.59						
SantaOrosia_JY23-3	308.80	2.05	0.98	0.01	0.11	0.00	0.35	694.30	6.90	672.00	7.60	771.00	34.00	672.00	7.60	3.21						
SantaOrosia_JY23-4	312.00	2.01	0.34	0.01	0.05	0.00	0.64	300.10	4.80	301.30	4.30	292.00	32.00	301.30	4.30	0.40						
SantaOrosia_JY23-5	388.00	2.35	0.34	0.00	0.05	0.00	0.48	294.50	3.10	292.40	2.80	319.00	26.00	292.40	2.80	0.71						
SantaOrosia_JY23-6	328.00	3.24	0.57	0.01	0.07	0.00	0.34	460.60	4.00	457.10	4.00	490.00	26.00	457.10	4.00	0.76						
SantaOrosia_JY23-7	119.50	1.40	0.70	0.01	0.09	0.00	0.69	538.70	7.50	537.20	6.80	552.00	29.00	537.20	6.80	2.88						
SantaOrosia_JY23-8	268.00	8.35	0.55	0.01	0.07	0.00	0.82	444.20	9.60	431.40	7.60	535.00	34.00	431.40	7.60	2.88						
SantaOrosia_JY23-9	399.00	1.95	0.41	0.01	0.05	0.00	0.69	346.30	6.50	326.80	5.00	505.00	36.00	326.80	5.00	5.63						
SantaOrosia_JY23-10	118.00	9.07	0.75	0.02	0.09	0.00	0.17	570.00	13.00	542.00	11.00	692.00	58.00	542.00	11.00	4.91						
SantaOrosia_JY23-10	172.00	7.21	5.04	0.15	0.31	0.01	0.91	1825.00	25.00	1720.00	45.00	1954.00	23.00	1954.00	23.00	11.98						
SantaOrosia_JY23-11	200.00	0.92	0.83	0.01	0.10	0.00	0.33	613.50	5.20	616.10	6.90	599.00	29.00	616.10	6.90	0.42						
SantaOrosia_JY23-12	97.90	2.42	9.21	0.17	0.42	0.01	0.78	2358.00	17.00	2248.00	34.00	2451.00	20.00	2451.00	20.00	8.28						
SantaOrosia_JY23-13	301.00	2.20	0.59	0.01	0.08	0.00	0.50	472.30	4.80	472.90	4.70	473.00	26.00	472.90	4.70	0.13						
SantaOrosia_JY23-14	2327.00	19.30	0.36	0.01	0.05	0.00	0.19	315.80	7.20	302.80	8.20	411.00	46.00	302.80	8.20	4.12						
SantaOrosia_JY23-14	513.00	0.69	8.85	0.16	0.43	0.01	0.64	2322.00	16.00	2304.00	23.00	2345.00	28.00	2345.00	28.00	1.75						
SantaOrosia_JY23-15	209.20	1.01	1.08	0.01	0.12	0.00	0.62	743.40	5.80	737.50	8.10	769.00	21.00	737.50	8.10	0.79						
SantaOrosia_JY23-16	125.20	0.62	0.77	0.01	0.08	0.00	0.64	581.90	7.70	511.80	9.00	875.00	29.00	DISC	DISC	12.05						
SantaOrosia_JY23-17	250.00	1.91	0.81	0.02	0.10	0.00	0.68	605.40	9.80	589.00	10.00	677.00	32.00	589.00	10.00	2.71						
SantaOrosia_JY23-18	331.00	1.61	0.73	0.01	0.09	0.00	0.43	554.80	6.60	546.20	5.80	598.00	32.00	546.20	5.80	1.55						
SantaOrosia_JY23-19	553.00	2.53	0.34	0.00	0.05	0.00	0.51	300.10	3.70	301.90	3.70	317.00	29.00	301.90	3.70	0.60						
SantaOrosia_JY23-20	555.00	10.30	8.24	0.08	0.39	0.00	0.61	2258.10	9.10	2121.00	19.00	2408.00	15.00	2408.00	15.00	11.92						
SantaOrosia_JY23-21	125.10	1.29	12.22	0.34	0.46	0.01	0.97	2614.00	29.00	2454.00	59.00	2763.00	13.00	2763.00	13.00	11.18						
SantaOrosia_JY23-22	359.00	1.09	0.62	0.01	0.08	0.00	0.48	491.60	7.40	470.80	6.20	598.00	36.00	470.80	6.20	4.23						
SantaOrosia_JY23-23	109.30	4.38	6.05	0.11	0.34	0.01	0.86	1982.00	16.00	1862.00	26.00	2136.00	17.00	2136.00	17.00	12.83						
SantaOrosia_JY23-24	700.00	9.80	0.89	0.02	0.11	0.00	0.63	646.00	10.00	649.00	13.00	634.00	40.00	649.00	13.00	0.46						
SantaOrosia_JY23-24	396.00	5.48	2.23	0.04	0.18	0.00	0.76	1190.00	11.00	1067.00	19.00	1420.00	23.00	1420.00	23.00	24.86						
SantaOrosia_JY23-25	514.00	1.14	0.36	0.01	0.05	0.00	0.56	315.50	4.60	307.00	5.00	381.00	36.00	307.00	5.00	2.69						
SantaOrosia_JY23-26	139.00	1.87	0.70	0.01	0.09	0.00	0.59	536.60	7.50	535.40	7.40	573.00	32.00	535.40	7.40	0.22						
SantaOrosia_JY23-27	244.00	2.17	2.84	0.07	0.23	0.00	0.69	1365.00	19.00	1336.00	24.00	1426.00	33.00	1426.00	33.00	6.31						
SantaOrosia_JY23-28	84.20	1.73	1.51	0.02	0.15	0.00	0.55	933.30	8.80	923.00	14.00	956.00	33.00	956.00	33.00	3.45						
SantaOrosia_JY23-29	353.70	0.97	0.70	0.01	0.09	0.00	0.52	541.10	6.80	533.30	9.20	597.00	32.00	533.30	9.20	1.44						
SantaOrosia_JY23-30	162.00	2.33	0.88	0.01	0.10	0.00	0.58	638.70	6.10	638.00	6.60	668.00	24.00	638.00	6.60	0.06						
SantaOrosia_JY23-31	98.30	0.92	0.84	0.01	0.10	0.00	0.36	616.00	7.30	613.70	7.00	630.00	35.00	613.70	7.00	0.37						
SantaOrosia_JY23-32	197.00	1.41	1.73	0.04	0.17	0.00	0.59	1020.00	13.00	1006.00	19.00	1050.00	34.00	1050.00	34.00	4.19						
SantaOrosia_JY23-33	254.90	5.29	6.76	0.22	0.33	0.01	0.93	2078.00	28.00	1835.00	40.00	2330.00	20.00	2330.00	20.00	21.24						
SantaOrosia_JY23-34	686.00	216.00	0.74	0.02	0.09	0.00	0.76	560.00	12.00	562.00	14.00	562.00	35.00	562.00	14.00	0.36						
SantaOrosia_JY23-35	564.00	2.51	0.55	0.01	0.07	0.00	0.47	447.30	5.60	443.70	5.30	469.00	36.00	443.70	5.30	0.80						
SantaOrosia_JY23-36	315.50	1.50	4.07	0.05	0.28	0.00	0.69	1648.80	8.70	1600.00	14.00	1713.00	14.00	1713.00	14.00	6.60						
SantaOrosia_JY23-37	207.00	4.17	0.57	0.01	0.07	0.00	0.70	459.40	8.70	451.90	7.40	538.00	35.00	451.90	7.40	1.63						
SantaOrosia_JY23-38	411.00	0.98	3.44	0.04	0.24	0.00	0.70	1514.70	9.80	1396.00	18.00	1694.00	21.00	1694.00	21.00	17.59						

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error Age (Ma)	206/238 Age (Ma)	2σ error Age (Ma)	207/206 Age (Ma)	2σ error Age (Ma)	Best age Age (Ma)	2σ error Age (Ma)	Discordance %	Rim / Core
SantaOrosia_JY23-39	102.20	1.70	0.82	0.01	0.10	0.00	0.32	608.80	7.80	601.00	12.00	651.00	49.00	601.00	12.00	1.28	
SantaOrosia_JY23-40	252.00	0.81	0.84	0.01	0.10	0.00	0.58	621.70	5.70	612.20	7.50	667.00	24.00	612.20	7.50	1.53	
SantaOrosia_JY23-41	566.00	8.50	0.60	0.01	0.08	0.00	0.32	477.10	8.10	473.00	11.00	496.00	50.00	473.00	11.00	0.86	
SantaOrosia_JY23-42	1332.00	1.40	0.45	0.01	0.05	0.00	0.31	378.80	7.60	304.80	5.10	874.00	52.00	DISC	DISC	19.54	
SantaOrosia_JY23-43	215.70	1.20	0.76	0.03	0.08	0.00	0.49	572.00	19.00	502.00	18.00	858.00	89.00	DISC	DISC	12.24	
SantaOrosia_JY23-44	168.90	0.69	1.14	0.02	0.12	0.00	0.56	773.50	9.70	755.00	13.00	831.00	31.00	755.00	13.00	2.39	
SantaOrosia_JY23-45	118.70	1.86	1.67	0.02	0.16	0.00	0.50	998.10	7.10	979.00	11.00	1022.00	23.00	1022.00	23.00	4.21	
SantaOrosia_JY23-46	160.80	1.45	0.83	0.01	0.10	0.00	0.56	615.40	7.80	614.30	9.30	633.00	31.00	614.30	9.30	0.18	
SantaOrosia_JY23-47	506.00	0.81	0.89	0.02	0.10	0.00	0.75	645.00	10.00	630.10	7.30	688.00	26.00	630.10	7.30	2.31	
SantaOrosia_JY23-48	356.00	9.10	0.58	0.01	0.07	0.00	0.50	465.40	4.60	462.00	4.30	470.00	23.00	462.00	4.30	0.73	
SantaOrosia_JY23-49	112.40	1.01	0.86	0.01	0.10	0.00	0.57	629.20	7.30	625.20	8.30	638.00	30.00	625.20	8.30	0.64	
SantaOrosia_JY23-50	153.50	1.34	0.75	0.01	0.09	0.00	0.30	567.50	8.40	556.60	7.20	618.00	40.00	556.60	7.20	1.92	
SantaOrosia_JY23-52	172.50	1.88	0.32	0.01	0.04	0.00	0.27	283.80	4.60	278.60	3.50	329.00	43.00	278.60	3.50	1.83	
SantaOrosia_JY23-53	72.50	0.77	0.80	0.02	0.09	0.00	0.21	597.00	11.00	578.00	10.00	664.00	57.00	578.00	10.00	3.18	
SantaOrosia_JY23-54	200.00	0.82	3.14	0.08	0.21	0.00	0.80	1450.00	20.00	1248.00	25.00	1729.00	29.00	1729.00	29.00	27.82	
SantaOrosia_JY23-55	520.00	1.64	0.35	0.01	0.05	0.00	0.56	301.20	4.90	293.70	4.30	342.00	34.00	293.70	4.30	2.49	
SantaOrosia_JY23-56	828.00	4.83	0.99	0.01	0.11	0.00	0.74	696.80	5.40	693.50	7.50	688.00	18.00	693.50	7.50	0.47	
SantaOrosia_JY23-57	121.90	0.74	5.10	0.06	0.32	0.00	0.71	1836.10	9.00	1782.00	17.00	1887.00	15.00	1887.00	15.00	5.56	
SantaOrosia_JY23-58	25.31	0.87	1.98	0.06	0.16	0.00	0.20	1108.00	19.00	966.00	20.00	1380.00	69.00	DISC	DISC	30.00	
SantaOrosia_JY23-59	402.00	18.70	0.86	0.02	0.10	0.00	0.67	629.00	12.00	595.00	15.00	772.00	36.00	595.00	15.00	5.41	
SantaOrosia_JY23-60	427.00	5.13	6.10	0.07	0.36	0.01	0.78	1990.00	11.00	2004.00	25.00	1965.00	21.00	1965.00	21.00	1.98	
SantaOrosia_JY23-61	530.00	3.32	4.47	0.05	0.30	0.00	0.76	1725.80	9.20	1688.00	19.00	1749.00	15.00	1749.00	15.00	3.49	
SantaOrosia_JY23-62	123.80	1.46	1.80	0.02	0.18	0.00	0.58	1043.50	8.50	1049.00	15.00	1015.00	29.00	1015.00	29.00	3.35	
SantaOrosia_JY23-63	280.00	1.55	0.61	0.01	0.08	0.00	0.54	485.20	7.30	476.20	7.90	493.00	29.00	476.20	7.90	1.85	
SantaOrosia_JY23-64	137.30	1.39	2.14	0.02	0.19	0.00	0.47	1160.60	7.30	1135.00	14.00	1198.00	25.00	1198.00	25.00	5.26	
SantaOrosia_JY23-65	138.00	1.07	1.45	0.03	0.14	0.00	0.65	910.00	14.00	867.00	13.00	986.00	37.00	986.00	37.00	12.07	
SantaOrosia_JY23-66	586.00	4.14	0.89	0.01	0.10	0.00	0.34	648.20	6.30	588.10	7.10	828.00	32.00	588.10	7.10	9.27	
SantaOrosia_JY23-67	371.00	1.87	0.37	0.01	0.05	0.00	0.46	319.60	5.00	298.50	3.70	459.00	37.00	298.50	3.70	6.60	
SantaOrosia_JY23-68	421.90	1.87	0.32	0.01	0.04	0.00	0.60	283.30	4.90	279.20	5.40	272.00	38.00	279.20	5.40	1.45	
SantaOrosia_JY23-69	364.00	4.10	0.69	0.01	0.09	0.00	0.75	533.80	6.20	525.70	8.50	556.00	23.00	525.70	8.50	1.52	
SantaOrosia_JY23-70	167.00	1.34	7.28	0.09	0.38	0.00	0.61	2145.00	10.00	2093.00	20.00	2182.00	19.00	2182.00	19.00	4.08	
SantaOrosia_JY23-71	577.00	3.28	0.82	0.02	0.09	0.00	0.73	604.00	11.00	577.20	9.80	676.00	35.00	577.20	9.80	4.44	
SantaOrosia_JY23-72	117.70	0.89	0.82	0.02	0.10	0.00	0.23	611.50	7.90	589.50	9.40	648.00	46.00	589.50	9.40	3.60	
SantaOrosia_JY23-73	630.00	5.93	0.50	0.02	0.06	0.00	0.52	412.00	11.00	372.00	12.00	667.00	73.00	372.00	12.00	9.71	
SantaOrosia_JY23-74	23.90	3.05	1.81	0.05	0.15	0.00	0.66	1051.00	18.00	923.00	23.00	1315.00	43.00	1315.00	43.00	29.81	
SantaOrosia_JY23-75	78.90	1.00	1.21	0.02	0.13	0.00	0.54	806.00	10.00	795.80	9.10	831.00	33.00	795.80	9.10	1.27	
SantaOrosia_JY23-76	157.60	3.95	0.62	0.01	0.08	0.00	0.50	489.20	5.30	475.30	6.20	546.00	31.00	475.30	6.20	2.84	
SantaOrosia_JY23-77	186.80	8.05	0.61	0.02	0.08	0.00	0.54	483.00	11.00	475.30	9.70	503.00	56.00	475.30	9.70	1.59	Rim
SantaOrosia_JY23-77	233.00	1.78	3.31	0.18	0.22	0.01	0.85	1478.00	43.00	1282.00	50.00	1733.00	57.00	1733.00	57.00	26.02	Core
SantaOrosia_JY23-78	358.00	1.04	1.72	0.03	0.16	0.00	0.75	1017.10	9.80	983.00	13.00	1083.00	20.00	1083.00	20.00	9.23	
SantaOrosia_JY23-79	662.00	2.07	3.49	0.04	0.27	0.00	0.79	1523.10	8.50	1532.00	15.00	1509.00	14.00	1509.00	14.00	1.52	
SantaOrosia_JY23-80	770.00	3.12	0.33	0.01	0.04	0.00	0.58	287.00	4.30	276.10	5.70	347.00	47.00	276.10	5.70	3.80	
SantaOrosia_JY23-81	259.70	2.13	1.18	0.02	0.13	0.00	0.63	792.60	7.60	769.10	9.00	852.00	34.00	769.10	9.00	2.96	
SantaOrosia_JY23-82	662.00	3.41	0.80	0.02	0.10	0.00	0.67	594.00	8.30	588.00	10.00	638.00	24.00	588.00	10.00	1.01	
SantaOrosia_JY23-83	63.60	2.98	1.34	0.03	0.13	0.00	0.50	862.00	12.00	797.00	16.00	1029.00	50.00	797.00	16.00	7.54	
SantaOrosia_JY23-84	223.00	0.64	6.35	0.08	0.36	0.01	0.70	2026.00	12.00	1969.00	28.00	2080.00	20.00	2080.00	20.00	5.34	
SantaOrosia_JY23-85	581.00	0.88	0.37	0.01	0.05	0.00	0.82	321.40	5.00	300.30	5.30	488.00	24.00	300.30	5.30	6.57	

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error	206/238 Age (Ma)	2σ error	207/206 Age (Ma)	2σ error	Best age Age (Ma)	2σ error Age (Ma)	Discordance %	Rim / Core
SantaOrosia_JY23-86	540.00	1.06	1.37	0.03	0.14	0.00	0.61	877.00	13.00	860.00	16.00	915.00	34.00	915.00	34.00	6.01	
SantaOrosia_JY23-87	463.00	0.94	1.57	0.04	0.16	0.00	0.61	957.00	16.00	939.00	24.00	1018.00	50.00	1018.00	50.00	7.76	
SantaOrosia_JY23-88	226.70	1.93	1.19	0.02	0.13	0.00	0.53	795.20	8.40	785.00	11.00	838.00	33.00	785.00	11.00	1.28	
SantaOrosia_JY23-89	941.00	15.10	0.59	0.01	0.08	0.00	0.76	471.50	5.70	471.00	7.10	470.00	22.00	471.00	7.10	0.11	
SantaOrosia_JY23-90	332.90	11.32	0.57	0.01	0.07	0.00	0.57	457.30	5.20	443.40	6.10	507.00	29.00	443.40	6.10	3.04	
SantaOrosia_JY23-91	846.00	1.33	0.43	0.01	0.06	0.00	0.43	361.00	3.70	359.20	4.00	370.00	33.00	359.20	4.00	0.50	
SantaOrosia_JY23-92	55.30	1.89	2.31	0.04	0.20	0.00	0.59	1217.00	12.00	1161.00	21.00	1305.00	33.00	1305.00	33.00	11.03	
SantaOrosia_JY23-93	138.70	0.75	0.85	0.02	0.10	0.00	0.56	627.00	12.00	619.00	12.00	653.00	46.00	619.00	12.00	1.28	
SantaOrosia_JY23-95	382.00	1.66	5.61	0.10	0.33	0.01	0.82	1923.00	15.00	1843.00	24.00	2004.00	17.00	2004.00	17.00	8.03	
SantaOrosia_JY23-96	114.00	1.55	4.04	0.07	0.29	0.01	0.68	1641.00	15.00	1662.00	25.00	1597.00	26.00	1597.00	26.00	4.07	
SantaOrosia_JY23-97	596.00	3.40	0.35	0.01	0.05	0.00	0.72	301.10	4.30	298.00	4.40	309.00	26.00	298.00	4.40	1.03	
SantaOrosia_JY23-98	193.50	0.73	5.03	0.08	0.32	0.00	0.46	1823.00	14.00	1768.00	16.00	1884.00	20.00	1884.00	20.00	6.16	
SantaOrosia_JY23-99	421.00	2.46	6.26	0.08	0.35	0.00	0.86	2011.00	11.00	1950.00	23.00	2067.00	12.00	2067.00	12.00	5.66	
SantaOrosia_JY23-100	586.00	1.28	0.34	0.01	0.05	0.00	0.65	295.60	6.20	290.10	6.00	334.00	45.00	290.10	6.00	1.86	
SantaOrosia_JY23-101	162.00	1.78	0.94	0.01	0.11	0.00	0.33	672.90	7.20	668.80	7.10	676.00	34.00	668.80	7.10	0.61	
SantaOrosia_JY23-102	400.00	7.40	5.00	0.16	0.30	0.01	0.95	1815.00	27.00	1685.00	50.00	1986.00	18.00	1986.00	18.00	15.16	
SantaOrosia_JY23-103	508.00	2.29	0.34	0.00	0.05	0.00	0.55	299.40	3.40	295.00	3.90	327.00	32.00	295.00	3.90	1.47	
SantaOrosia_JY23-104	215.00	1.04	0.71	0.01	0.09	0.00	0.51	544.90	7.00	541.20	7.50	578.00	32.00	541.20	7.50	0.68	
SantaOrosia_JY23-105	121.40	5.11	0.70	0.02	0.08	0.00	0.67	538.00	13.00	467.00	13.00	828.00	51.00	DISC	DISC	13.20	
SantaOrosia_JY23-106	241.00	1.98	6.11	0.07	0.35	0.00	0.73	1991.00	10.00	1913.00	22.00	2062.00	16.00	2062.00	16.00	7.23	
SantaOrosia_JY23-107	384.00	3.19	1.51	0.02	0.15	0.00	0.70	934.90	6.60	890.00	9.70	1021.00	18.00	1021.00	18.00	12.83	
SantaOrosia_JY23-108	61.10	0.98	0.43	0.02	0.06	0.00	0.40	365.00	10.00	348.20	6.10	476.00	73.00	348.20	6.10	4.60	
SantaOrosia_JY23-109	141.00	2.14	0.70	0.02	0.08	0.00	0.44	539.80	9.00	515.20	6.30	650.00	46.00	515.20	6.30	4.56	
SantaOrosia_JY23-110	208.00	4.59	0.69	0.01	0.09	0.00	0.55	534.00	6.60	530.80	6.40	563.00	30.00	530.80	6.40	0.60	
SantaOrosia_JY23-111	109.60	1.05	3.55	0.06	0.26	0.00	0.62	1536.00	12.00	1492.00	19.00	1604.00	23.00	1604.00	23.00	6.98	
SantaOrosia_JY23-112	275.00	0.99	5.21	0.07	0.32	0.01	0.81	1854.00	12.00	1809.00	24.00	1912.00	19.00	1912.00	19.00	5.39	
SantaOrosia_JY23-113	400.00	10.52	0.88	0.02	0.10	0.00	0.59	640.00	10.00	618.00	16.00	712.00	49.00	618.00	16.00	3.44	
SantaOrosia_JY23-114	171.00	2.00	6.88	0.08	0.37	0.01	0.71	2097.00	10.00	2048.00	26.00	2144.00	18.00	2144.00	18.00	4.48	
SantaOrosia_JY23-116	355.00	4.03	0.56	0.01	0.07	0.00	0.39	449.70	4.40	434.70	5.20	524.00	28.00	434.70	5.20	3.34	
SantaOrosia_JY23-117	418.00	2.26	0.34	0.01	0.05	0.00	0.40	300.80	6.60	291.70	5.60	396.00	58.00	291.70	5.60	3.03	
SantaOrosia_JY23-118	767.00	3.59	1.03	0.01	0.12	0.00	0.56	720.80	6.90	708.20	9.40	767.00	28.00	708.20	9.40	1.75	
SantaOrosia_JY23-119	110.00	4.50	1.43	0.04	0.15	0.00	0.58	901.00	18.00	890.00	21.00	959.00	53.00	959.00	53.00	7.19	
SantaOrosia_JY23-120	71.30	1.22	0.82	0.03	0.10	0.00	0.41	606.00	14.00	596.20	9.20	653.00	65.00	596.20	9.20	1.62	
SantaOrosia_JY28_1	318.00	6.91	8.84	0.44	0.37	0.02	0.73	2314.00	45.00	2015.00	92.00	2530.00	60.00	2530.00	65.00	20.36	
SantaOrosia_JY28_3	153.50	3.09	0.36	0.02	0.05	0.00	0.07	313.00	15.00	294.00	13.00	410.00	110.00	294.00	13.00	6.07	
SantaOrosia_JY28_4	586.00	4.08	1.04	0.01	0.12	0.00	0.74	721.80	7.10	714.80	9.00	715.00	20.00	714.80	9.00	0.97	
SantaOrosia_JY28_5	67.00	1.34	0.51	0.02	0.05	0.00	0.40	415.00	14.00	313.00	14.00	968.00	96.00	DISC	DISC	24.58	
SantaOrosia_JY28_6	195.00	1.80	1.55	0.04	0.15	0.01	0.77	949.00	17.00	918.00	32.00	1035.00	51.00	1035.00	51.00	11.30	
SantaOrosia_JY28_7	162.80	1.34	4.55	0.09	0.30	0.01	0.60	1738.00	16.00	1706.00	47.00	1762.00	45.00	1762.00	45.00	3.18	
SantaOrosia_JY28_8	1130.00	2.46	0.40	0.03	0.05	0.00	0.86	343.00	22.00	290.00	14.00	760.00	77.00	DISC	DISC	15.45	
SantaOrosia_JY28_9	219.00	2.23	1.39	0.03	0.15	0.00	0.62	882.00	12.00	873.00	16.00	915.00	34.00	915.00	34.00	4.59	
SantaOrosia_JY28_10	452.00	1.98	0.85	0.02	0.10	0.00	0.65	623.00	8.80	625.00	11.00	577.00	30.00	625.00	11.00	0.32	
SantaOrosia_JY28_11	167.50	2.13	0.38	0.01	0.05	0.00	0.52	325.60	7.80	330.80	6.10	320.00	53.00	330.80	6.10	1.60	
SantaOrosia_JY28_12	340.00	6.50	0.97	0.03	0.11	0.00	0.53	688.00	14.00	677.00	22.00	724.00	66.00	677.00	22.00	1.60	
SantaOrosia_JY28_13	120.80	0.92	0.84	0.02	0.10	0.00	0.28	620.70	9.50	597.00	10.00	715.00	48.00	597.00	10.00	3.82	
SantaOrosia_JY28_14	201.00	3.30	2.98	0.05	0.24	0.00	0.61	1402.00	12.00	1408.00	25.00	1401.00	30.00	1401.00	30.00	0.50	
SantaOrosia_JY28_15	96.10	3.26	2.91	0.14	0.18	0.01	0.47	1376.00	37.00	1092.00	56.00	1912.00	81.00	DISC	DISC	42.89	

Annex 4: dades d'U-Pb en zircons detrítics

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	Age (Ma)	2σ error	207/206	2σ error	Age (Ma)	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm							Age (Ma)		Age (Ma)		Age (Ma)		Age (Ma)		Age (Ma)		Age (Ma)		%	
SantaOrosia_JY28_16	85.50	4.15	0.36	0.02	0.04	0.00	0.46	316.00	12.00	269.00	12.00	690.00	100.00	690.00	100.00	526.00	21.00	526.00	21.00	14.87	Rim
SantaOrosia_JY28_16	60.90	2.23	0.65	0.03	0.09	0.00	0.28	506.00	19.00	526.00	19.00	460.00	130.00	460.00	130.00	328.00	46.00	328.00	46.00	3.95	Core
SantaOrosia_JY28_17	308.00	4.09	0.37	0.01	0.05	0.00	0.47	318.40	5.10	328.00	5.10	288.00	46.00	288.00	46.00	2406.00	30.00	2406.00	30.00	21.45	
SantaOrosia_JY28_18	313.80	2.72	7.31	0.17	0.34	0.01	0.65	2156.00	22.00	1890.00	22.00	1890.00	45.00	1890.00	45.00	595.00	84.00	432.00	11.00	6.29	
SantaOrosia_JY28_19	54.50	2.23	0.58	0.03	0.07	0.00	0.51	461.00	17.00	432.00	17.00	432.00	84.00	432.00	84.00	647.00	38.00	647.00	38.00	0.16	
SantaOrosia_JY28_20	255.00	1.72	0.85	0.02	0.10	0.00	0.81	625.00	12.00	624.00	12.00	624.00	38.00	624.00	38.00	461.00	140.00	461.00	140.00	2.12	
SantaOrosia_JY28_21	31.60	3.25	0.60	0.04	0.07	0.00	0.35	471.00	24.00	461.00	24.00	461.00	140.00	461.00	140.00	590.10	49.00	590.10	49.00	2.46	
SantaOrosia_JY28_22	93.40	2.09	0.82	0.02	0.10	0.00	0.37	605.00	11.00	590.10	11.00	675.00	49.00	675.00	49.00	1992.00	45.00	1992.00	45.00	4.37	
SantaOrosia_JY28_23	289.00	1.63	5.79	0.15	0.34	0.01	0.73	1950.00	23.00	1905.00	23.00	1905.00	56.00	1905.00	56.00	514.00	489.00	514.00	489.00	2.45	
SantaOrosia_JY28_24	355.00	15.18	0.64	0.02	0.08	0.00	0.61	501.70	9.70	514.00	9.70	489.00	55.00	489.00	55.00	674.00	14.00	674.00	14.00	0.30	
SantaOrosia_JY28_25	102.80	1.94	0.94	0.02	0.11	0.00	0.46	674.00	12.00	674.00	12.00	674.00	49.00	674.00	49.00	726.00	91.00	726.00	91.00	0.44	
SantaOrosia_JY28_26	93.50	4.32	0.95	0.04	0.11	0.00	0.46	677.00	18.00	674.00	18.00	674.00	27.00	674.00	27.00	2613.00	21.00	2613.00	21.00	5.20	
SantaOrosia_JY28_27	125.20	1.26	11.31	0.21	0.47	0.01	0.72	2547.00	18.00	2477.00	18.00	2477.00	38.00	2477.00	38.00	962.00	50.00	962.00	50.00	7.48	
SantaOrosia_JY28_28	79.00	0.53	1.44	0.03	0.15	0.00	0.33	902.00	14.00	890.00	14.00	890.00	50.00	890.00	50.00	701.00	110.00	701.00	110.00	1.41	
SantaOrosia_JY28_29	657.00	56.00	1.03	0.09	0.12	0.01	0.73	711.00	43.00	701.00	43.00	701.00	51.00	701.00	51.00	559.00	17.00	559.00	17.00	0.53	
SantaOrosia_JY28_30	83.90	0.76	0.74	0.03	0.09	0.00	0.60	562.00	20.00	559.00	20.00	559.00	58.00	559.00	58.00	696.00	37.00	696.00	37.00	2.25	
SantaOrosia_JY28_31	453.00	2.06	0.45	0.01	0.06	0.00	0.63	373.80	9.10	365.00	9.10	365.00	12.00	365.00	12.00	2040.00	34.00	2040.00	34.00	2.45	
SantaOrosia_JY28_32	423.00	14.10	0.97	0.02	0.11	0.00	0.53	687.50	9.20	696.00	9.20	696.00	37.00	696.00	37.00	663.00	34.00	663.00	34.00	1.24	
SantaOrosia_JY28_33	193.00	5.30	6.32	0.12	0.36	0.01	0.55	2033.00	17.00	1990.00	17.00	1990.00	34.00	1990.00	34.00	566.00	66.00	566.00	66.00	0.89	
SantaOrosia_JY28_34	146.00	1.42	0.74	0.02	0.09	0.00	0.48	561.00	14.00	566.00	14.00	566.00	66.00	566.00	66.00	292.10	5.90	292.10	5.90	0.52	
SantaOrosia_JY28_35	150.00	1.11	0.33	0.01	0.05	0.00	0.01	290.60	8.10	292.10	8.10	292.10	5.90	292.10	5.90	1035.00	40.00	1035.00	40.00	10.27	
SantaOrosia_JY28_36	157.10	0.94	1.76	0.03	0.18	0.00	0.55	1031.00	11.00	1045.00	11.00	1045.00	20.00	1045.00	20.00	2745.00	21.00	2745.00	21.00	0.97	
SantaOrosia_JY28_37	57.90	0.99	12.07	0.30	0.47	0.01	0.86	2609.00	23.00	2463.00	23.00	2463.00	32.00	2463.00	32.00	926.00	32.00	926.00	32.00	5.94	
SantaOrosia_JY28_38	247.10	2.75	1.59	0.03	0.16	0.00	0.72	968.00	12.00	981.00	12.00	981.00	61.00	981.00	61.00	1574.00	61.00	1574.00	61.00	10.93	
SantaOrosia_JY28_39	33.24	1.29	3.29	0.08	0.24	0.01	0.37	1478.00	19.00	1402.00	19.00	1402.00	82.00	1402.00	82.00	194.40	5.80	194.40	5.80	3.19	
SantaOrosia_JY28_40	185.40	2.89	0.22	0.01	0.03	0.00	0.48	200.80	7.10	194.40	7.10	194.40	82.00	194.40	82.00	1043.00	34.00	1043.00	34.00	0.29	
SantaOrosia_JY28_41	133.00	7.96	1.78	0.03	0.18	0.00	0.51	1037.00	10.00	1046.00	10.00	1046.00	16.00	1046.00	16.00	2097.00	28.00	2097.00	28.00	2.38	
SantaOrosia_JY28_42	242.00	1.64	7.00	0.17	0.40	0.01	0.77	2108.00	22.00	2147.00	22.00	2147.00	52.00	2147.00	52.00	620.00	110.00	620.00	110.00	1.36	Rim
SantaOrosia_JY28_43	174.00	4.58	0.78	0.03	0.09	0.00	0.39	587.00	17.00	579.00	17.00	579.00	27.00	579.00	27.00	964.00	33.00	964.00	33.00	1.76	Core
SantaOrosia_JY28_43	263.00	1.79	1.54	0.04	0.16	0.00	0.68	944.00	15.00	947.00	15.00	947.00	52.00	947.00	52.00	491.00	11.00	491.00	11.00	0.08	
SantaOrosia_JY28_44	457.00	12.88	0.62	0.01	0.08	0.00	0.45	490.60	9.00	491.00	9.00	491.00	89.00	491.00	89.00	585.00	39.00	585.00	39.00	0.26	
SantaOrosia_JY28_46	108.90	1.22	5.74	0.32	0.37	0.02	0.65	1927.00	50.00	1990.00	50.00	1990.00	110.00	1990.00	110.00	634.00	39.00	634.00	39.00	1.77	
SantaOrosia_JY28_48	197.20	2.46	0.78	0.02	0.09	0.00	0.58	586.50	9.20	585.00	9.20	585.00	51.00	585.00	51.00	613.00	69.00	613.00	69.00	1.92	
SantaOrosia_JY28_49	252.00	1.97	0.84	0.02	0.10	0.00	0.58	620.00	13.00	631.00	13.00	631.00	69.00	631.00	69.00	644.00	63.00	644.00	63.00	6.96	
SantaOrosia_JY28_50	102.00	2.29	0.85	0.03	0.10	0.00	0.23	625.00	15.00	613.00	15.00	613.00	69.00	613.00	69.00	768.00	81.00	768.00	81.00	8.18	
SantaOrosia_JY28_52	179.00	25.50	0.67	0.03	0.08	0.00	0.75	517.00	19.00	481.00	19.00	481.00	25.00	481.00	25.00	997.00	56.00	997.00	56.00	8.32	
SantaOrosia_JY28_53	218.30	3.04	0.87	0.03	0.09	0.00	0.34	636.00	14.00	584.00	14.00	584.00	76.00	584.00	76.00	878.00	67.00	878.00	67.00	2.75	
SantaOrosia_JY28_54	90.00	1.40	1.50	0.04	0.15	0.00	0.53	927.00	17.00	914.00	17.00	914.00	35.00	914.00	35.00	350.50	5.60	350.50	5.60	0.03	
SantaOrosia_JY28_55	286.00	2.34	1.50	0.04	0.16	0.01	0.46	932.00	17.00	955.00	17.00	955.00	44.00	955.00	44.00	343.00	50.00	343.00	50.00	1.66	
SantaOrosia_JY28_56	323.00	1.82	1.70	0.06	0.17	0.01	0.67	1006.00	21.00	1010.00	21.00	1010.00	61.00	1010.00	61.00	325.70	6.90	325.70	6.90	6.68	
SantaOrosia_JY28_57	402.00	2.47	0.41	0.01	0.06	0.00	0.35	350.40	7.00	350.50	7.00	350.50	33.00	350.50	33.00	2610.00	23.00	2610.00	23.00	9.27	
SantaOrosia_JY28_58	289.40	20.10	0.39	0.01	0.05	0.00	0.44	331.20	7.30	325.70	7.30	325.70	61.00	325.70	61.00	559.00	110.00	559.00	110.00	0.40	
SantaOrosia_JY28_59	152.90	1.92	0.80	0.04	0.09	0.01	0.56	999.00	25.00	559.00	25.00	559.00	61.00	559.00	61.00	609.00	16.00	609.00	16.00	11.74	
SantaOrosia_JY28_60	428.00	5.15	10.62	0.23	0.45	0.01	0.83	2487.00	20.00	2368.00	20.00	2368.00	51.00	2368.00	51.00	500.00	14.00	500.00	14.00	6.88	
SantaOrosia_JY28_61	306.00	1.95	0.64	0.02	0.08	0.00	0.53	502.00	11.00	500.00	11.00	500.00	71.00	500.00	71.00	582.00	51.00	582.00	51.00	6.88	
SantaOrosia_JY28_62	60.10	1.79	0.98	0.04	0.10	0.00	0.47	690.00	19.00	609.00	19.00	609.00	18.00	609.00	18.00	801.00	18.00	801.00	18.00	6.88	
SantaOrosia_JY28_63	185.20	3.01	0.85	0.03	0.09	0.00	0.66	625.00	18.00	582.00	18.00	582.00	51.00	582.00	51.00	582.00	51.00	582.00	51.00	6.88	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	Age (Ma)	2σ error	207/206	2σ error	Age (Ma)	2σ error	Best age	2σ error	Discordance	Rim / Core
SantaOrosia_JY28_64	74.60	1.25	0.78	0.02	0.09	0.00	0.25	585.00	12.00	578.00	13.00	596.00	73.00	596.00	73.00	578.00	13.00	578.00	13.00	1.20	Core
SantaOrosia_JY28_65	59.10	2.11	0.86	0.03	0.10	0.00	0.11	629.00	15.00	605.00	17.00	699.00	73.00	699.00	73.00	605.00	17.00	605.00	17.00	3.82	
SantaOrosia_JY28_66	115.70	3.98	0.97	0.04	0.11	0.01	0.52	689.00	21.00	700.00	31.00	667.00	90.00	667.00	90.00	700.00	31.00	700.00	31.00	1.60	
SantaOrosia_JY28_67	96.30	1.29	1.22	0.03	0.13	0.00	0.65	808.00	13.00	799.00	15.00	820.00	39.00	820.00	39.00	799.00	15.00	799.00	15.00	1.11	
SantaOrosia_JY28_69	183.00	3.88	1.15	0.05	0.08	0.00	0.46	772.00	24.00	502.00	26.00	1600.00	100.00	1600.00	100.00	DISC	DISC	DISC	DISC	34.97	
SantaOrosia_JY28_70	90.00	0.67	3.46	0.06	0.23	0.00	0.58	1516.00	13.00	1348.00	24.00	1761.00	31.00	1761.00	31.00	1761.00	31.00	1761.00	31.00	23.45	
SantaOrosia_JY28_71	172.00	3.77	1.01	0.04	0.11	0.01	0.22	709.00	20.00	676.00	31.00	790.00	120.00	790.00	120.00	676.00	31.00	676.00	31.00	4.65	
SantaOrosia_JY28_72	177.70	0.50	0.92	0.02	0.11	0.00	0.14	659.00	10.00	648.00	11.00	662.00	54.00	662.00	54.00	648.00	11.00	648.00	11.00	1.67	
SantaOrosia_JY28_73	124.00	0.81	1.59	0.04	0.16	0.00	0.46	971.00	15.00	933.00	22.00	1003.00	47.00	1003.00	47.00	1003.00	47.00	1003.00	47.00	6.98	
SantaOrosia_JY28_74	127.20	2.43	0.96	0.02	0.11	0.00	0.34	685.00	11.00	656.00	11.00	744.00	49.00	744.00	49.00	656.00	11.00	656.00	11.00	4.23	
SantaOrosia_JY28_75	46.70	1.51	0.62	0.04	0.08	0.00	0.40	488.00	24.00	504.00	22.00	390.00	120.00	390.00	120.00	504.00	22.00	504.00	22.00	3.28	
SantaOrosia_JY28_76	65.80	1.62	0.56	0.02	0.06	0.00	0.01	448.00	15.00	395.00	12.00	710.00	110.00	710.00	110.00	DISC	DISC	DISC	DISC	11.83	
SantaOrosia_JY28_77	101.50	1.73	13.22	0.35	0.51	0.02	0.67	2695.00	26.00	2637.00	67.00	2727.00	41.00	2727.00	41.00	2727.00	41.00	2727.00	41.00	3.30	
SantaOrosia_JY28_78	62.80	2.29	0.67	0.03	0.08	0.00	0.47	518.00	20.00	472.00	23.00	670.00	120.00	670.00	120.00	472.00	23.00	472.00	23.00	8.88	
SantaOrosia_JY28_79	262.00	60.00	0.89	0.05	0.11	0.00	0.33	645.00	26.00	659.00	22.00	600.00	120.00	600.00	120.00	659.00	22.00	659.00	22.00	2.17	Rim
SantaOrosia_JY28_79	58.70	2.44	6.17	0.16	0.34	0.01	0.62	2002.00	23.00	1869.00	41.00	2127.00	35.00	2127.00	35.00	2127.00	35.00	2127.00	35.00	12.13	Core
SantaOrosia_JY28_80	523.00	40.10	0.83	0.03	0.10	0.00	0.47	611.00	19.00	596.00	19.00	608.00	82.00	608.00	82.00	596.00	19.00	596.00	19.00	2.45	Rim
SantaOrosia_JY28_81	119.60	1.08	1.24	0.03	0.13	0.00	0.64	815.00	15.00	805.00	18.00	860.00	43.00	860.00	43.00	805.00	18.00	805.00	18.00	1.23	Core
SantaOrosia_JY28_81	396.00	2.07	0.43	0.01	0.06	0.00	0.45	360.50	6.10	364.70	6.00	351.00	46.00	351.00	46.00	364.70	6.00	364.70	6.00	1.17	
SantaOrosia_JY28_82	102.40	2.48	1.01	0.03	0.12	0.00	0.55	708.00	15.00	719.00	27.00	747.00	71.00	747.00	71.00	719.00	27.00	719.00	27.00	1.55	
SantaOrosia_JY28_83	87.30	5.06	4.02	0.18	0.30	0.02	0.61	1630.00	37.00	1706.00	81.00	1628.00	90.00	1628.00	90.00	1628.00	90.00	1628.00	90.00	4.79	
SantaOrosia_JY28_84	276.00	6.48	0.73	0.03	0.09	0.00	0.39	554.00	15.00	553.00	22.00	553.00	86.00	553.00	86.00	553.00	22.00	553.00	22.00	0.18	
SantaOrosia_JY28_85	167.00	1.46	1.06	0.02	0.12	0.00	0.61	736.00	10.00	756.00	14.00	693.00	38.00	693.00	38.00	756.00	14.00	756.00	14.00	2.72	
SantaOrosia_JY28_86	556.00	1.86	0.80	0.01	0.10	0.00	0.54	594.90	5.90	598.80	8.00	611.00	32.00	611.00	32.00	598.80	8.00	598.80	8.00	0.66	
SantaOrosia_JY28_87	106.70	1.98	0.76	0.03	0.09	0.00	0.45	573.00	15.00	562.00	20.00	640.00	84.00	640.00	84.00	562.00	20.00	562.00	20.00	1.92	
SantaOrosia_JY28_88	710.00	21.30	0.37	0.01	0.05	0.00	0.63	319.60	6.50	322.00	6.30	291.00	43.00	291.00	43.00	322.00	6.30	322.00	6.30	0.75	
SantaOrosia_JY28_90	364.00	2.60	0.88	0.04	0.11	0.00	0.56	641.00	20.00	645.00	27.00	571.00	88.00	571.00	88.00	645.00	27.00	645.00	27.00	0.62	
SantaOrosia_JY28_91	267.00	1.37	1.48	0.04	0.15	0.00	0.65	921.00	16.00	896.00	20.00	942.00	45.00	942.00	45.00	942.00	45.00	942.00	45.00	4.88	
SantaOrosia_JY28_92	166.10	2.18	2.66	0.13	0.23	0.01	0.58	1309.00	35.00	1331.00	72.00	1310.00	94.00	1310.00	94.00	1310.00	94.00	1310.00	94.00	1.60	
SantaOrosia_JY28_93	775.00	36.60	0.40	0.02	0.05	0.00	0.76	343.00	11.00	342.00	10.00	350.00	52.00	350.00	52.00	342.00	10.00	342.00	10.00	0.29	Rim
SantaOrosia_JY28_93	392.00	0.31	0.77	0.02	0.09	0.00	0.85	577.00	12.00	566.00	16.00	603.00	52.00	603.00	52.00	566.00	16.00	566.00	16.00	1.91	Core
SantaOrosia_JY28_94	58.20	2.61	0.85	0.03	0.10	0.00	0.36	625.00	17.00	617.00	19.00	655.00	85.00	655.00	85.00	617.00	19.00	617.00	19.00	1.28	
SantaOrosia_JY28_95	349.00	10.94	0.61	0.01	0.08	0.00	0.53	481.60	8.20	478.00	12.00	483.00	46.00	483.00	46.00	478.00	12.00	478.00	12.00	0.75	
SantaOrosia_JY28_96	425.00	45.90	0.36	0.02	0.05	0.00	0.48	310.00	11.00	291.00	15.00	390.00	110.00	390.00	110.00	291.00	15.00	291.00	15.00	6.13	
SantaOrosia_JY28_97	91.30	1.68	0.90	0.03	0.11	0.00	0.49	655.00	15.00	646.00	22.00	629.00	69.00	629.00	69.00	646.00	22.00	646.00	22.00	1.37	
SantaOrosia_JY28_99	244.00	3.05	0.36	0.02	0.05	0.00	0.55	311.00	12.00	297.00	15.00	410.00	110.00	410.00	110.00	297.00	15.00	297.00	15.00	4.50	
SantaOrosia_JY28_100	169.20	2.50	0.72	0.02	0.09	0.00	0.23	550.70	8.90	554.00	10.00	558.00	54.00	558.00	54.00	554.00	10.00	554.00	10.00	0.60	
SantaOrosia_JY28_102	267.00	1.48	1.17	0.04	0.13	0.01	0.47	786.00	19.00	782.00	37.00	853.00	81.00	853.00	81.00	782.00	37.00	782.00	37.00	0.51	
SantaOrosia_JY28_105	532.00	1.78	0.73	0.01	0.09	0.00	0.57	554.00	5.60	555.00	7.80	557.00	29.00	557.00	29.00	555.00	7.80	555.00	7.80	0.18	
SantaOrosia_JY28_106	868.00	15.60	1.65	0.03	0.17	0.00	0.71	990.00	12.00	985.00	17.00	1016.00	25.00	1016.00	25.00	1016.00	25.00	1016.00	25.00	3.05	
SantaOrosia_JY28_107	196.00	4.25	1.63	0.06	0.14	0.01	0.76	992.00	21.00	820.00	29.00	1409.00	54.00	1409.00	54.00	DISC	DISC	DISC	DISC	17.34	
SantaOrosia_JY28_108	654.00	2.40	0.39	0.02	0.05	0.00	0.68	333.00	13.00	302.00	15.00	555.00	78.00	555.00	78.00	302.00	15.00	302.00	15.00	9.31	
SantaOrosia_JY28_109	122.50	1.33	1.79	0.04	0.17	0.01	0.46	1043.00	15.00	1014.00	32.00	1067.00	64.00	1067.00	64.00	1067.00	64.00	1067.00	64.00	4.97	
SantaOrosia_JY28_110	233.00	0.44	0.80	0.02	0.10	0.00	0.55	594.00	12.00	589.00	17.00	627.00	56.00	627.00	56.00	589.00	17.00	589.00	17.00	0.84	
SantaOrosia_JY28_111	323.00	2.43	0.36	0.01	0.05	0.00	0.27	310.60	5.60	304.10	5.80	319.00	63.00	319.00	63.00	304.10	5.80	304.10	5.80	2.09	
SantaOrosia_JY28_112	138.50	0.67	0.83	0.02	0.10	0.00	0.52	614.00	11.00	624.00	12.00	594.00	47.00	594.00	47.00	624.00	12.00	624.00	12.00	1.63	
SantaOrosia_JY28_113	54.90	1.16	0.90	0.03	0.10	0.00	0.47	650.00	17.00	642.00	15.00	700.00	71.00	700.00	71.00	642.00	15.00	642.00	15.00	1.23	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm							Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	%	
SantaOrosia_JY28_114	101.70	1.88	0.50	0.02	0.06	0.00	0.31	412.00	15.00	398.00	14.00	530.00	100.00	398.00	14.00	3.40	
SantaOrosia_JY28_116	74.90	0.66	5.02	0.11	0.32	0.01	0.54	1824.00	19.00	1794.00	17.00	1867.00	41.00	1867.00	41.00	3.91	
SantaOrosia_JY28_117	84.10	2.69	0.38	0.02	0.05	0.00	0.24	328.00	14.00	311.00	13.00	360.00	150.00	311.00	17.00	5.18	
SantaOrosia_JY28_118	488.00	13.80	0.61	0.04	0.08	0.00	0.74	479.00	23.00	481.00	24.00	489.00	91.00	481.00	24.00	0.42	
SantaOrosia_JY28_119	223.00	10.22	0.57	0.01	0.07	0.00	0.55	459.20	8.80	443.30	8.40	555.00	43.00	443.30	8.40	3.46	
SantaOrosia_JY35_1	64.10	1.13	0.84	0.02	0.10	0.00	0.35	622.00	12.00	638.70	9.50	565.00	52.00	638.70	9.50	2.68	
SantaOrosia_JY35_2	74.00	1.78	0.75	0.01	0.09	0.00	0.21	570.40	7.60	577.00	8.40	559.00	47.00	577.00	8.40	1.16	
SantaOrosia_JY35_3	194.00	1.76	0.80	0.01	0.10	0.00	0.47	596.30	6.60	615.00	11.00	557.00	37.00	615.00	11.00	3.14	
SantaOrosia_JY35_4	485.00	2.13	0.37	0.01	0.05	0.00	0.73	323.00	5.20	323.70	5.70	362.00	34.00	323.70	5.70	0.22	
SantaOrosia_JY35_5	180.00	1.80	0.96	0.01	0.11	0.00	0.57	683.00	6.70	695.40	8.50	690.00	28.00	695.40	8.50	1.82	
SantaOrosia_JY35_6	406.00	0.70	5.36	0.11	0.32	0.01	0.91	1878.00	17.00	1794.00	30.00	1987.00	15.00	1987.00	15.00	9.71	
SantaOrosia_JY35_7	94.40	0.29	0.81	0.01	0.10	0.00	0.31	600.80	7.60	591.10	7.50	681.00	40.00	591.10	7.50	1.61	
SantaOrosia_JY35_8	1.15	0.90	62.50	3.00	0.60	0.04	0.29	4228.00	48.00	3060.00	150.00	4918.00	91.00	DISC	DISC	37.78	
SantaOrosia_JY35_9	222.90	1.01	6.21	0.06	0.36	0.00	0.71	2005.00	8.20	1997.00	20.00	2023.00	14.00	2023.00	14.00	1.29	
SantaOrosia_JY35_11	335.00	0.59	0.84	0.01	0.10	0.00	0.56	620.70	5.60	621.00	7.20	624.00	25.00	621.00	7.20	0.05	
SantaOrosia_JY35_12	131.70	0.80	0.89	0.02	0.10	0.00	0.43	644.20	7.90	640.70	9.30	637.00	41.00	640.70	9.30	0.54	
SantaOrosia_JY35_13	1040.00	35.00	2.37	0.09	0.21	0.00	0.79	1233.00	26.00	1248.00	25.00	1185.00	55.00	1185.00	55.00	5.32	Rim
SantaOrosia_JY35_13	155.00	2.19	6.02	0.12	0.35	0.01	0.64	1977.00	17.00	1949.00	27.00	1995.00	22.00	1995.00	22.00	2.31	Core
SantaOrosia_JY35_14	245.00	1.30	5.70	0.10	0.32	0.01	0.69	1933.00	15.00	1805.00	28.00	2054.00	18.00	2054.00	18.00	12.12	
SantaOrosia_JY35_15	28.10	1.39	1.36	0.03	0.14	0.00	0.33	871.00	14.00	856.00	15.00	874.00	58.00	874.00	58.00	2.06	
SantaOrosia_JY35_16	139.40	2.00	1.30	0.02	0.14	0.00	0.60	842.80	9.90	830.00	13.00	868.00	34.00	830.00	13.00	1.52	
SantaOrosia_JY35_17	125.00	2.52	1.62	0.03	0.16	0.00	0.46	980.00	10.00	963.00	13.00	1016.00	35.00	1016.00	35.00	5.22	
SantaOrosia_JY35_18	416.00	3.66	0.38	0.01	0.05	0.00	0.37	323.60	5.40	302.90	6.20	474.00	48.00	302.90	6.20	6.40	
SantaOrosia_JY35_19	376.00	2.52	0.64	0.01	0.08	0.00	0.47	500.50	6.70	491.10	5.80	533.00	32.00	491.10	5.80	1.88	
SantaOrosia_JY35_20	224.00	1.99	1.02	0.01	0.12	0.00	0.65	710.80	6.60	707.00	9.80	712.00	27.00	707.00	9.80	0.53	
SantaOrosia_JY35_21	466.00	1.42	17.21	0.23	0.55	0.01	0.68	2945.00	13.00	2804.00	30.00	3040.00	16.00	3040.00	16.00	7.76	
SantaOrosia_JY35_22	482.00	2.04	0.97	0.01	0.11	0.00	0.63	686.80	5.20	685.00	6.60	683.00	20.00	685.00	6.60	0.26	
SantaOrosia_JY35_23	2050.00	17.90	1.15	0.02	0.13	0.00	0.68	775.50	9.10	776.00	15.00	789.00	33.00	776.00	15.00	0.06	
SantaOrosia_JY35_24	826.00	44.10	0.95	0.01	0.11	0.00	0.60	675.90	5.00	680.70	7.10	652.00	21.00	680.70	7.10	0.71	
SantaOrosia_JY35_25	135.90	0.88	0.89	0.02	0.10	0.00	0.39	644.70	8.10	637.90	7.30	649.00	35.00	637.90	7.30	1.05	
SantaOrosia_JY35_27	177.00	1.60	0.64	0.01	0.08	0.00	0.24	499.90	7.10	478.90	5.70	579.00	40.00	478.90	5.70	4.20	
SantaOrosia_JY35_28	209.00	2.64	0.98	0.02	0.11	0.00	0.28	696.70	7.20	676.50	6.50	736.00	31.00	676.50	6.50	2.90	
SantaOrosia_JY35_29	203.00	0.89	0.79	0.02	0.10	0.00	0.56	592.20	8.70	587.40	7.90	613.00	32.00	587.40	7.90	0.81	
SantaOrosia_JY35_30	348.30	2.27	0.91	0.02	0.10	0.00	0.29	654.40	9.80	638.00	12.00	671.00	55.00	638.00	12.00	2.51	
SantaOrosia_JY35_31	545.00	2.42	1.00	0.02	0.11	0.00	0.74	704.10	7.70	697.30	9.40	701.00	22.00	697.30	9.40	0.97	
SantaOrosia_JY35_32	968.00	7.48	0.42	0.01	0.05	0.00	0.52	353.10	5.60	332.50	5.50	481.00	43.00	332.50	5.50	5.83	
SantaOrosia_JY35_33	302.00	4.93	0.67	0.01	0.08	0.00	0.30	521.10	6.80	516.80	5.60	506.00	35.00	516.80	5.60	0.83	
SantaOrosia_JY35_34	381.00	2.53	1.30	0.04	0.14	0.00	0.80	846.00	17.00	819.00	23.00	880.00	41.00	819.00	23.00	3.19	
SantaOrosia_JY35_35	57.60	1.27	0.77	0.02	0.09	0.00	0.07	581.00	12.00	572.20	8.00	594.00	63.00	572.20	8.00	1.51	
SantaOrosia_JY35_36	218.30	1.30	0.80	0.01	0.10	0.00	0.46	596.70	6.10	588.70	6.90	600.00	26.00	588.70	6.90	1.34	
SantaOrosia_JY35_37	201.00	2.88	6.52	0.16	0.37	0.01	0.66	2047.00	22.00	2011.00	49.00	2100.00	35.00	2100.00	35.00	4.24	Rim
SantaOrosia_JY35_37	195.00	3.75	11.89	0.26	0.46	0.01	0.79	2594.00	20.00	2458.00	38.00	2679.00	26.00	2679.00	26.00	8.25	Core
SantaOrosia_JY35_38	116.30	1.54	1.08	0.02	0.12	0.00	0.37	745.00	8.90	710.00	12.00	844.00	37.00	710.00	12.00	4.70	
SantaOrosia_JY35_39	235.00	2.04	10.01	0.10	0.44	0.00	0.70	2435.10	9.60	2342.00	20.00	2508.00	12.00	2508.00	12.00	6.62	
SantaOrosia_JY35_40	537.00	8.15	0.64	0.01	0.07	0.00	0.48	499.50	6.90	440.00	6.10	752.00	35.00	440.00	6.10	11.91	
SantaOrosia_JY35_41	193.70	0.74	0.81	0.01	0.10	0.00	0.39	602.60	7.80	590.10	8.70	637.00	36.00	590.10	8.70	2.07	
SantaOrosia_JY35_42	56.20	2.44	1.79	0.04	0.17	0.00	0.59	1039.00	15.00	999.00	23.00	1132.00	47.00	1132.00	47.00	11.75	

Sample	[U]	U/Th	207/235		206/238		RHO	207/235		206/238		207/206		Best age		Discordance		Rim / Core
				2σ error		2σ error		Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error	Age (Ma)	2σ error	
SantaOrosia_JY35_43_	247.00	0.45	0.80	0.02	0.09	0.00	0.48	595.00	12.00	568.40	9.90	663.00	53.00	568.40	9.90	4.47		
SantaOrosia_JY35_44_	311.00	5.62	0.95	0.02	0.11	0.00	0.47	677.00	14.00	669.00	14.00	737.00	42.00	669.00	14.00	1.18		
SantaOrosia_JY35_45_	119.90	1.27	0.77	0.02	0.09	0.00	0.36	580.60	9.30	565.00	9.30	639.00	47.00	565.00	9.30	2.69		
SantaOrosia_JY35_46_	198.00	2.17	0.94	0.02	0.10	0.00	0.59	674.00	10.00	590.00	13.00	920.00	46.00	DISC	DISC	12.46		
SantaOrosia_JY35_47_	252.50	0.97	0.82	0.02	0.09	0.00	0.64	607.00	10.00	581.00	13.00	679.00	43.00	581.00	13.00	4.28		
SantaOrosia_JY35_48_	522.00	2.18	0.76	0.01	0.09	0.00	0.76	575.60	7.40	572.90	9.00	579.00	27.00	572.90	9.00	0.47		
SantaOrosia_JY35_49_	223.00	1.80	0.78	0.02	0.09	0.00	0.45	585.40	9.50	559.00	11.00	673.00	46.00	559.00	11.00	4.51		
SantaOrosia_JY35_50_	1290.00	7.90	0.35	0.01	0.05	0.00	0.69	308.00	5.10	300.00	6.60	364.00	39.00	300.00	6.60	2.60		
SantaOrosia_JY35_51_	165.40	0.84	1.33	0.02	0.14	0.00	0.35	857.00	11.00	846.10	9.90	866.00	37.00	846.10	9.90	1.27		
SantaOrosia_JY35_52_	314.00	1.71	0.37	0.01	0.05	0.00	0.67	315.60	7.10	310.90	4.50	353.00	46.00	310.90	4.50	1.49		
SantaOrosia_JY35_53_	615.00	4.61	0.69	0.01	0.09	0.00	0.54	533.60	4.30	528.50	5.50	561.00	24.00	528.50	5.50	0.96		
SantaOrosia_JY35_54_	79.70	1.30	1.01	0.05	0.12	0.01	0.50	709.00	25.00	712.00	45.00	610.00	130.00	712.00	45.00	0.42		
SantaOrosia_JY35_55_	341.00	1.09	0.89	0.01	0.10	0.00	0.57	647.90	7.50	631.30	8.80	683.00	29.00	631.30	8.80	2.56		
SantaOrosia_JY35_56_	200.30	1.41	2.46	0.06	0.18	0.00	0.65	1258.00	17.00	1071.00	21.00	1575.00	31.00	DISC	DISC	32.00		
SantaOrosia_JY35_57_	122.30	0.66	1.16	0.02	0.13	0.00	0.29	783.00	11.00	764.00	12.00	798.00	44.00	764.00	12.00	2.43		
SantaOrosia_JY35_59_	632.00	1.31	0.83	0.01	0.10	0.00	0.48	614.70	6.20	606.40	7.60	631.00	27.00	606.40	7.60	1.35		
SantaOrosia_JY35_60_	267.20	2.29	1.53	0.02	0.16	0.00	0.70	940.30	9.40	934.00	15.00	947.00	27.00	947.00	27.00	1.37		
SantaOrosia_JY35_61_	558.00	13.00	0.60	0.02	0.08	0.00	0.51	474.00	10.00	471.00	12.00	497.00	58.00	471.00	12.00	0.63	Rim	
SantaOrosia_JY35_61_	149.00	3.09	0.92	0.02	0.10	0.00	0.70	660.00	13.00	625.00	12.00	781.00	41.00	625.00	12.00	5.30	Core	
SantaOrosia_JY35_62_	565.00	0.81	11.56	0.16	0.48	0.01	0.85	2569.00	13.00	2511.00	25.00	2626.00	11.00	2626.00	11.00	4.38		
SantaOrosia_JY35_64_	426.00	2.99	0.71	0.01	0.09	0.00	0.35	543.20	4.80	537.10	4.70	572.00	27.00	537.10	4.70	1.12		
SantaOrosia_JY35_65_	149.00	1.73	15.01	0.15	0.54	0.01	0.70	2816.40	9.20	2785.00	29.00	2858.00	13.00	2858.00	13.00	2.55		
SantaOrosia_JY35_66_	82.00	2.56	0.57	0.04	0.06	0.00	0.87	453.00	22.00	371.00	28.00	1004.00	70.00	DISC	DISC	18.10		
SantaOrosia_JY35_67_	410.00	5.55	0.60	0.01	0.08	0.00	0.48	475.10	4.60	474.60	4.80	504.00	27.00	474.60	4.80	0.11		
SantaOrosia_JY35_68_	254.00	5.25	0.57	0.01	0.07	0.00	0.01	454.60	5.80	461.00	5.50	432.00	35.00	461.00	5.50	1.41		
SantaOrosia_JY35_69_	251.10	1.09	0.35	0.01	0.05	0.00	0.25	304.50	4.40	300.80	3.80	344.00	44.00	300.80	3.80	1.22		
SantaOrosia_JY35_70_	372.00	0.76	0.84	0.01	0.10	0.00	0.65	616.70	5.70	623.60	8.30	608.00	25.00	623.60	8.30	1.12		
SantaOrosia_JY35_71_	105.70	1.93	0.76	0.01	0.09	0.00	0.36	573.70	8.20	573.70	8.10	575.00	43.00	573.70	8.10	0.00		
SantaOrosia_JY35_72_	21.80	13.80	0.93	0.06	0.07	0.01	0.74	665.00	33.00	454.00	32.00	1490.00	110.00	DISC	DISC	31.73	Rim	
SantaOrosia_JY35_72_	438.00	2.46	11.34	0.12	0.47	0.01	0.75	2552.00	10.00	2472.00	28.00	2593.00	14.00	2593.00	14.00	4.67	Core	
SantaOrosia_JY35_73_	1005.00	3.88	1.16	0.02	0.13	0.00	0.69	780.40	7.30	768.00	12.00	838.00	27.00	768.00	12.00	1.59		
SantaOrosia_JY35_74_	471.00	11.02	0.59	0.01	0.08	0.00	0.54	472.60	4.70	474.10	6.00	480.00	24.00	474.10	6.00	0.32		
SantaOrosia_JY35_75_	365.00	1.29	0.79	0.02	0.09	0.00	0.52	593.00	12.00	569.00	26.00	746.00	84.00	569.00	26.00	4.05		
SantaOrosia_JY35_76_	621.00	2.03	0.77	0.01	0.09	0.00	0.54	578.40	5.10	578.20	6.20	589.00	24.00	578.20	6.20	0.03		
SantaOrosia_JY35_77_	678.00	1.49	0.60	0.01	0.08	0.00	0.72	475.50	4.90	474.00	6.70	475.00	23.00	474.00	6.70	0.32		
SantaOrosia_JY35_78_	176.00	1.68	2.75	0.04	0.23	0.00	0.61	1341.80	9.80	1322.00	21.00	1361.00	26.00	1361.00	26.00	2.87		
SantaOrosia_JY35_79_	241.50	1.26	1.50	0.02	0.15	0.00	0.72	930.50	9.00	905.00	13.00	964.00	25.00	964.00	25.00	6.12		
SantaOrosia_JY35_80_	417.70	1.38	1.86	0.02	0.18	0.00	0.74	1065.30	7.40	1051.00	11.00	1052.00	17.00	1052.00	17.00	0.10		
SantaOrosia_JY35_81_	644.00	2.54	0.38	0.01	0.05	0.00	0.02	328.60	4.20	322.30	3.40	323.00	33.00	322.30	3.40	1.92		
SantaOrosia_JY35_82_	287.70	0.55	0.82	0.02	0.10	0.00	0.55	605.20	9.20	590.70	9.90	615.00	40.00	590.70	9.90	2.40		
SantaOrosia_JY35_83_	430.00	3.57	0.92	0.01	0.11	0.00	0.78	660.50	7.50	664.80	9.80	641.00	21.00	664.80	9.80	0.65		
SantaOrosia_JY35_84_	246.00	0.89	0.81	0.01	0.10	0.00	0.40	603.30	6.50	595.40	6.30	617.00	31.00	595.40	6.30	1.31		
SantaOrosia_JY35_85_	70.50	0.84	0.80	0.02	0.09	0.00	0.25	594.00	12.00	579.90	9.00	656.00	57.00	579.90	9.00	2.37		
SantaOrosia_JY35_86_	778.00	1.83	0.43	0.01	0.06	0.00	0.66	361.40	3.90	363.40	5.60	366.00	28.00	363.40	5.60	0.55		
SantaOrosia_JY35_87_	264.00	3.69	0.76	0.02	0.09	0.00	0.65	572.00	12.00	577.00	16.00	547.00	43.00	577.00	16.00	0.87		
SantaOrosia_JY35_89_	328.00	1.60	0.69	0.02	0.08	0.00	0.88	533.00	10.00	523.00	13.00	634.00	30.00	523.00	13.00	1.88		
SantaOrosia_JY35_90_	922.00	2.43	0.37	0.00	0.05	0.00	0.60	319.80	3.10	322.90	3.80	295.00	24.00	322.90	3.80	0.97		

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm							Age (Ma)		Age (Ma)		Age (Ma)		Age (Ma)	Age (Ma)	%	
SantaOrosia_JY35_91_	213.00	1.83	0.74	0.02	0.09	0.00	0.64	563.00	8.40	558.30	7.70	585.00	31.00	558.30	7.70	0.83	
SantaOrosia_JY35_93_	481.00	1.17	0.89	0.01	0.11	0.00	0.68	645.10	5.20	648.60	7.70	634.00	24.00	648.60	7.70	0.54	
SantaOrosia_JY35_94_	192.80	1.76	0.82	0.03	0.09	0.00	0.59	608.00	14.00	566.00	15.00	744.00	54.00	566.00	15.00	6.91	
SantaOrosia_JY35_95_	222.00	1.77	1.58	0.03	0.16	0.00	0.68	961.00	10.00	938.40	9.90	1026.00	24.00	1026.00	24.00	8.54	
SantaOrosia_JY35_96_	392.00	0.84	1.45	0.02	0.14	0.00	0.61	909.40	8.40	832.40	9.50	1072.00	22.00	832.40	9.50	8.47	
SantaOrosia_JY35_97_	195.50	0.94	1.56	0.03	0.16	0.00	0.73	951.00	12.00	937.00	13.00	946.00	31.00	946.00	31.00	0.95	
SantaOrosia_JY35_98_	370.00	1.54	1.75	0.02	0.17	0.00	0.70	1028.30	7.20	993.00	13.00	1078.00	20.00	1078.00	20.00	7.88	
SantaOrosia_JY35_99_	229.00	2.43	0.88	0.02	0.10	0.00	0.68	643.60	9.60	615.00	11.00	698.00	33.00	615.00	11.00	4.44	
SantaOrosia_JY35_100_	198.00	6.02	1.18	0.04	0.13	0.00	0.71	790.00	18.00	791.00	22.00	749.00	52.00	791.00	22.00	0.13	
SantaOrosia_JY35_101_	398.00	7.24	1.45	0.02	0.16	0.00	0.73	908.40	7.30	951.00	10.00	793.00	22.00	793.00	10.00	4.69	
SantaOrosia_JY35_102_	702.00	0.81	5.99	0.13	0.37	0.01	0.92	1971.00	20.00	2034.00	39.00	1911.00	14.00	1911.00	14.00	6.44	
SantaOrosia_JY35_103_	375.00	2.03	1.34	0.04	0.14	0.00	0.81	862.00	16.00	863.00	16.00	898.00	27.00	898.00	27.00	3.90	
SantaOrosia_JY35_104_	319.00	2.46	0.38	0.01	0.05	0.00	0.52	326.50	5.20	320.00	4.80	393.00	33.00	320.00	4.80	1.99	
SantaOrosia_JY35_105_	487.00	1.78	5.68	0.17	0.35	0.01	0.95	1923.00	25.00	1932.00	43.00	1942.00	15.00	1942.00	15.00	0.51	
SantaOrosia_JY35_106_	472.00	2.76	1.02	0.01	0.12	0.00	0.71	711.30	6.40	716.60	9.00	707.00	24.00	716.60	9.00	0.75	
SantaOrosia_JY35_107_	185.00	1.10	0.85	0.01	0.10	0.00	0.69	622.70	7.40	618.10	8.10	659.00	30.00	618.10	8.10	0.74	
SantaOrosia_JY35_108_	770.00	2.88	0.90	0.01	0.11	0.00	0.65	652.30	7.70	661.00	10.00	638.00	30.00	661.00	10.00	1.33	
SantaOrosia_JY35_109_	1111.00	1.45	0.96	0.01	0.11	0.00	0.48	685.00	5.60	697.40	7.40	647.00	25.00	697.40	7.40	1.81	
SantaOrosia_JY35_110_	246.90	6.69	1.09	0.02	0.12	0.00	0.68	747.00	9.00	735.00	10.00	801.00	25.00	735.00	10.00	1.61	
SantaOrosia_JY35_111_	253.30	1.30	0.97	0.02	0.11	0.00	0.55	689.20	7.40	662.00	11.00	750.00	28.00	662.00	11.00	3.95	
SantaOrosia_JY35_112_	337.00	5.91	0.78	0.01	0.09	0.00	0.62	585.40	6.20	569.50	7.40	631.00	29.00	569.50	7.40	2.72	
SantaOrosia_JY35_113_	475.00	1.32	1.38	0.02	0.14	0.00	0.71	881.10	9.10	867.00	11.00	902.00	22.00	902.00	22.00	3.88	
SantaOrosia_JY35_114_	344.00	2.20	2.08	0.02	0.19	0.00	0.65	1141.20	6.80	1118.00	11.00	1163.00	20.00	1163.00	20.00	3.87	
SantaOrosia_JY35_115_	430.00	6.85	0.65	0.02	0.08	0.00	0.54	509.00	11.00	472.10	9.40	698.00	52.00	472.10	9.40	7.25	
SantaOrosia_JY35_117_	219.00	3.19	0.98	0.02	0.11	0.00	0.76	692.00	12.00	676.00	17.00	748.00	38.00	676.00	17.00	2.31	
SantaOrosia_JY35_118_	46.10	0.58	0.73	0.02	0.08	0.00	0.25	556.00	12.00	498.40	8.90	804.00	68.00	DISC	DISC	10.36	
SantaOrosia_JY35_119_	194.00	2.24	1.14	0.01	0.12	0.00	0.56	773.70	6.60	755.00	8.90	814.00	27.00	755.00	8.90	2.42	
SantaOrosia_JY35_120_	313.00	5.99	0.63	0.02	0.07	0.00	0.64	495.00	11.00	462.20	8.90	642.00	47.00	462.20	8.90	6.63	
SantaOrosia_JY39-1_	72.10	1.09	0.89	0.02	0.10	0.00	0.43	648.00	11.00	633.20	9.30	742.00	42.00	633.20	9.90	2.28	
SantaOrosia_JY39-2_	258.00	3.24	1.08	0.01	0.12	0.00	0.59	744.30	6.30	719.30	8.90	836.00	24.00	719.30	8.90	3.36	
SantaOrosia_JY39-3_	73.60	0.87	1.18	0.03	0.12	0.00	0.46	790.00	14.00	738.10	9.20	959.00	43.00	738.10	9.20	6.57	
SantaOrosia_JY39-4_	1290.00	4.63	0.35	0.01	0.05	0.00	0.74	303.20	5.50	301.00	6.40	324.00	37.00	301.00	6.40	0.73	
SantaOrosia_JY39-5_	235.00	2.98	1.14	0.03	0.12	0.00	0.40	772.00	14.00	720.00	13.00	899.00	49.00	720.00	13.00	6.74	
SantaOrosia_JY39-6_	198.10	1.89	1.47	0.03	0.15	0.00	0.73	916.00	12.00	878.00	14.00	986.00	29.00	986.00	29.00	10.95	
SantaOrosia_JY39-7_	220.30	2.83	0.37	0.01	0.05	0.00	0.33	319.40	7.50	310.00	6.10	385.00	60.00	310.00	6.10	2.94	
SantaOrosia_JY39-8_	240.90	1.35	0.76	0.01	0.09	0.00	0.43	571.80	7.10	570.70	6.50	588.00	30.00	570.70	6.50	0.19	
SantaOrosia_JY39-9_	283.00	1.01	0.36	0.01	0.05	0.00	0.51	311.90	4.40	308.80	4.20	309.00	34.00	308.80	4.20	0.99	
SantaOrosia_JY39-10_	89.50	0.74	5.01	0.07	0.32	0.00	0.73	1819.00	12.00	1772.00	23.00	1879.00	20.00	1879.00	20.00	5.69	
SantaOrosia_JY39-11_	93.50	1.65	0.66	0.01	0.08	0.00	0.24	511.60	7.90	502.40	7.80	572.00	51.00	502.40	7.80	1.80	
SantaOrosia_JY39-12_	482.60	41.90	0.83	0.02	0.10	0.00	0.61	615.00	10.00	609.00	11.00	653.00	36.00	609.00	11.00	0.98	
SantaOrosia_JY39-13_	184.00	3.30	0.62	0.01	0.08	0.00	0.57	488.40	8.10	480.20	6.40	555.00	39.00	480.20	6.40	1.68	
SantaOrosia_JY39-14_	202.00	2.62	1.03	0.03	0.12	0.00	0.66	716.00	17.00	710.00	17.00	691.00	57.00	710.00	17.00	0.84	
SantaOrosia_JY39-15_	265.00	1.42	0.92	0.01	0.11	0.00	0.69	662.40	6.00	659.40	8.20	681.00	21.00	659.40	8.20	0.45	
SantaOrosia_JY39-16_	185.00	1.19	1.52	0.02	0.15	0.00	0.55	939.00	7.00	925.00	14.00	994.00	25.00	994.00	25.00	6.94	
SantaOrosia_JY39-17_	296.00	2.11	0.58	0.01	0.07	0.00	0.49	464.00	4.90	459.10	5.50	496.00	29.00	459.10	5.50	1.06	
SantaOrosia_JY39-18_	76.30	2.63	0.91	0.01	0.10	0.00	0.15	659.90	7.90	639.10	8.10	735.00	40.00	639.10	8.10	3.15	
SantaOrosia_JY39-19_	112.80	2.93	0.77	0.02	0.09	0.00	0.54	581.00	12.00	579.00	11.00	580.00	53.00	579.00	11.00	0.34	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	207/235	Age (Ma)	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm																Age (Ma)	Age (Ma)	%	
SantaOrosia_JY39-20	408.00	2.00	0.36	0.01	0.05	0.00	0.60	311.30	4.60	304.30	362.00	31.00	304.30	304.30	362.00	31.00	304.30	4.40	2.25	
SantaOrosia_JY39-21	471.00	2.99	0.60	0.01	0.08	0.00	0.64	475.20	5.10	471.00	497.00	27.00	471.00	471.00	497.00	27.00	471.00	5.50	0.88	
SantaOrosia_JY39-22	131.90	1.12	10.58	0.12	0.44	0.00	0.78	2486.00	10.00	2356.00	2590.00	13.00	2590.00	2590.00	2590.00	13.00	2590.00	13.00	9.03	
SantaOrosia_JY39-23	198.00	2.68	1.73	0.02	0.17	0.00	0.56	1017.80	7.30	1011.40	1037.00	19.00	1037.00	1037.00	1037.00	19.00	1037.00	19.00	2.47	
SantaOrosia_JY39-24	132.70	2.27	0.71	0.01	0.09	0.00	0.47	545.90	7.30	543.40	568.00	33.00	543.40	543.40	568.00	33.00	543.40	6.00	0.46	
SantaOrosia_JY39-25	174.50	2.29	4.90	0.10	0.29	0.01	0.80	1801.00	17.00	1648.00	1987.00	18.00	1987.00	1987.00	1987.00	18.00	1987.00	18.00	17.06	
SantaOrosia_JY39-26	497.00	2.40	1.29	0.02	0.14	0.00	0.67	839.30	6.80	832.90	885.00	20.00	832.90	832.90	885.00	20.00	832.90	9.30	0.76	
SantaOrosia_JY39-27	215.50	2.31	0.64	0.02	0.08	0.00	0.61	505.20	9.30	497.00	540.00	44.00	497.00	497.00	540.00	44.00	497.00	10.00	1.62	
SantaOrosia_JY39-28	179.00	3.95	1.67	0.02	0.17	0.00	0.58	997.20	8.80	985.00	1036.00	24.00	1036.00	1036.00	1036.00	24.00	1036.00	24.00	4.92	
SantaOrosia_JY39-29	47.50	2.57	1.22	0.03	0.13	0.00	0.55	807.00	13.00	791.00	861.00	45.00	791.00	791.00	861.00	45.00	791.00	13.00	1.98	
SantaOrosia_JY39-30	385.00	6.84	0.56	0.01	0.07	0.00	0.48	449.20	4.30	443.20	503.00	25.00	443.20	443.20	503.00	25.00	443.20	5.30	1.34	
SantaOrosia_JY39-31	309.00	1.22	10.14	0.15	0.45	0.01	0.77	2448.00	13.00	2404.00	2489.00	16.00	2489.00	2489.00	2489.00	16.00	2489.00	16.00	3.42	
SantaOrosia_JY39-32	321.00	1.97	5.59	0.07	0.34	0.00	0.73	1914.80	9.90	1875.00	1946.00	17.00	1946.00	1946.00	1946.00	17.00	1946.00	17.00	3.65	
SantaOrosia_JY39-33	326.00	14.50	0.89	0.01	0.10	0.00	0.48	647.90	6.80	629.20	707.00	30.00	629.20	629.20	707.00	30.00	629.20	8.60	2.89	
SantaOrosia_JY39-34	695.00	1.88	0.85	0.01	0.10	0.00	0.43	623.50	5.00	622.40	640.00	24.00	622.40	622.40	640.00	24.00	622.40	6.20	0.18	
SantaOrosia_JY39-35	387.00	2.33	0.34	0.01	0.05	0.00	0.40	294.50	4.40	291.20	336.00	40.00	291.20	291.20	336.00	40.00	291.20	4.10	1.12	
SantaOrosia_JY39-36	264.00	1.40	0.93	0.02	0.11	0.00	0.78	667.30	9.00	659.00	694.00	25.00	659.00	659.00	694.00	25.00	659.00	10.00	1.24	
SantaOrosia_JY39-37	61.20	1.87	1.43	0.03	0.15	0.00	0.36	899.00	12.00	884.00	947.00	44.00	884.00	884.00	947.00	44.00	884.00	44.00	6.65	
SantaOrosia_JY39-38	640.00	1.04	0.88	0.01	0.10	0.00	0.64	641.50	7.10	630.10	697.00	25.00	630.10	630.10	697.00	25.00	630.10	7.20	1.78	
SantaOrosia_JY39-39	659.00	3.49	0.81	0.02	0.09	0.00	0.33	606.00	12.00	555.00	770.00	67.00	555.00	555.00	770.00	67.00	555.00	11.00	8.42	
SantaOrosia_JY39-40	290.20	3.85	0.95	0.01	0.11	0.00	0.68	677.80	6.00	672.80	697.00	22.00	672.80	672.80	697.00	22.00	672.80	7.00	0.74	
SantaOrosia_JY39-41	494.00	4.69	0.36	0.01	0.05	0.00	0.46	315.20	5.00	310.90	334.00	36.00	310.90	310.90	334.00	36.00	310.90	4.60	1.36	
SantaOrosia_JY39-42	840.00	4.11	0.36	0.01	0.05	0.00	0.76	315.10	4.90	313.50	338.00	32.00	313.50	313.50	338.00	32.00	313.50	6.70	0.51	
SantaOrosia_JY39-43	1364.00	2.00	1.11	0.02	0.11	0.00	0.83	758.00	11.00	683.00	1004.00	26.00	683.00	683.00	1004.00	26.00	683.00	16.00	9.89	
SantaOrosia_JY39-44	639.00	10.80	0.92	0.01	0.11	0.00	0.81	663.00	7.20	662.00	667.00	20.00	662.00	662.00	667.00	20.00	662.00	10.00	0.15	
SantaOrosia_JY39-45	185.00	7.71	0.61	0.01	0.08	0.00	0.48	484.00	7.80	475.00	587.00	42.00	475.00	475.00	587.00	42.00	475.00	7.70	1.86	
SantaOrosia_JY39-46	396.00	14.90	0.85	0.02	0.10	0.00	0.53	624.00	12.00	624.00	678.00	55.00	624.00	624.00	678.00	55.00	624.00	17.00	0.00	Rim
SantaOrosia_JY39-46	200.90	1.16	4.88	0.08	0.32	0.01	0.64	1798.00	14.00	1769.00	1853.00	24.00	1853.00	1853.00	1853.00	24.00	1853.00	24.00	4.53	Core
SantaOrosia_JY39-47	43.70	0.57	1.59	0.05	0.16	0.00	0.68	964.00	18.00	933.00	1035.00	56.00	1035.00	1035.00	1035.00	56.00	1035.00	56.00	9.86	
SantaOrosia_JY39-48	602.00	7.10	8.72	0.12	0.44	0.01	0.75	2310.00	12.00	2328.00	2304.00	16.00	2304.00	2304.00	2304.00	16.00	2304.00	16.00	1.04	
SantaOrosia_JY39-49	67.00	0.90	4.93	0.07	0.31	0.00	0.72	1809.00	12.00	1730.00	1902.00	19.00	1902.00	1902.00	1902.00	19.00	1902.00	19.00	9.04	
SantaOrosia_JY39-50	30.00	5.16	4.41	0.14	0.27	0.01	0.71	1714.00	27.00	1543.00	1919.00	51.00	1919.00	1919.00	1919.00	51.00	1919.00	51.00	19.59	
SantaOrosia_JY39-51	218.20	6.24	0.61	0.01	0.08	0.00	0.45	483.00	6.10	474.80	523.00	33.00	474.80	474.80	523.00	33.00	474.80	6.00	1.70	
SantaOrosia_JY39-52	107.90	0.87	1.62	0.03	0.16	0.00	0.40	978.00	13.00	971.00	998.00	36.00	998.00	998.00	998.00	36.00	998.00	36.00	2.71	
SantaOrosia_JY39-54	225.00	2.47	1.09	0.02	0.12	0.00	0.31	746.80	8.10	723.30	814.00	34.00	723.30	723.30	814.00	34.00	723.30	9.50	3.15	
SantaOrosia_JY39-55	353.00	7.26	1.03	0.02	0.12	0.00	0.62	720.30	7.30	721.70	742.00	26.00	721.70	721.70	742.00	26.00	721.70	9.70	0.19	
SantaOrosia_JY39-56	56.80	1.68	1.05	0.03	0.11	0.00	0.38	728.00	13.00	698.00	850.00	58.00	698.00	698.00	850.00	58.00	698.00	13.00	4.12	
SantaOrosia_JY39-57	75.80	0.37	0.89	0.02	0.10	0.00	0.37	643.30	9.80	625.60	708.00	39.00	625.60	625.60	708.00	39.00	625.60	9.00	2.75	
SantaOrosia_JY39-58	207.00	1.00	0.74	0.01	0.09	0.00	0.49	563.80	6.70	543.90	633.00	30.00	543.90	543.90	633.00	30.00	543.90	8.90	3.53	
SantaOrosia_JY39-59	54.70	2.49	1.23	0.02	0.13	0.00	0.37	812.00	11.00	789.00	882.00	53.00	789.00	789.00	882.00	53.00	789.00	18.00	2.83	
SantaOrosia_JY39-60	676.00	1.15	0.45	0.01	0.06	0.00	0.71	379.80	4.20	377.50	382.00	22.00	377.50	377.50	382.00	22.00	377.50	4.80	0.61	
SantaOrosia_JY39-61	189.00	1.77	0.98	0.01	0.11	0.00	0.45	693.60	7.20	687.60	694.00	31.00	687.60	687.60	694.00	31.00	687.60	9.20	0.87	
SantaOrosia_JY39-62	212.00	1.00	0.76	0.02	0.09	0.00	0.59	576.90	8.10	567.20	607.00	37.00	567.20	567.20	607.00	37.00	567.20	8.70	1.68	
SantaOrosia_JY39-63	950.00	13.41	0.37	0.00	0.05	0.00	0.59	322.10	3.50	321.20	333.00	24.00	321.20	321.20	333.00	24.00	321.20	3.90	0.28	
SantaOrosia_JY39-64	79.20	1.29	0.88	0.02	0.10	0.00	0.30	639.50	9.20	644.00	626.00	51.00	644.00	644.00	626.00	51.00	644.00	12.00	0.70	
SantaOrosia_JY39-66	828.00	7.38	0.76	0.02	0.08	0.00	0.75	573.30	9.60	488.60	894.00	35.00	488.60	488.60	894.00	35.00	488.60	8.30	14.77	
SantaOrosia_JY39-68	213.00	1.49	10.50	0.13	0.44	0.01	0.79	2481.00	12.00	2340.00	2588.00	14.00	2340.00	2340.00	2588.00	14.00	2340.00	26.00	9.58	

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
SantaOrosia_JY39-69	381.00	1.46	1.80	0.02	0.18	0.00	0.56	1044.30	7.60	1051.00	8.40	1033.00	20.00	1033.00	20.00	1.74	
SantaOrosia_JY39-70	143.00	0.54	5.66	0.06	0.34	0.00	0.68	1925.80	9.70	1902.00	19.00	1964.00	15.00	1964.00	15.00	3.16	
SantaOrosia_JY39-71	203.00	1.26	0.61	0.01	0.08	0.00	0.30	485.20	6.90	475.00	6.30	561.00	41.00	475.00	6.30	2.10	
SantaOrosia_JY39-72	330.60	5.17	0.90	0.02	0.11	0.00	0.84	652.00	7.90	643.70	8.90	676.00	17.00	643.70	8.90	1.27	
SantaOrosia_JY39-73	516.00	1.62	5.87	0.06	0.34	0.00	0.80	1957.90	9.80	1906.00	20.00	2003.00	13.00	2003.00	13.00	4.84	
SantaOrosia_JY39-74	280.80	3.28	0.35	0.01	0.05	0.00	0.44	307.10	6.30	298.70	6.00	408.00	50.00	298.70	6.00	2.74	
SantaOrosia_JY39-75	187.00	1.43	0.80	0.01	0.10	0.00	0.48	594.30	6.70	597.90	6.90	558.00	31.00	597.90	6.90	0.61	
SantaOrosia_JY39-76	68.00	1.07	1.21	0.03	0.13	0.00	0.56	803.00	12.00	782.00	11.00	851.00	34.00	782.00	11.00	2.62	
SantaOrosia_JY39-77	169.00	4.44	12.70	0.22	0.49	0.01	0.91	2655.00	17.00	2568.00	37.00	2714.00	12.00	2714.00	12.00	5.38	
SantaOrosia_JY39-79	445.00	22.00	0.95	0.02	0.11	0.00	0.35	677.00	11.00	672.00	11.00	695.00	53.00	672.00	11.00	0.74	
SantaOrosia_JY39-80	51.80	1.17	0.77	0.02	0.09	0.00	0.16	581.00	12.00	556.00	12.00	629.00	72.00	556.00	12.00	4.30	
SantaOrosia_JY39-81	464.00	25.77	0.96	0.02	0.11	0.00	0.43	682.00	11.00	681.00	12.00	665.00	46.00	681.00	12.00	0.15	Rim
SantaOrosia_JY39-81	154.00	1.87	5.57	0.09	0.33	0.01	0.54	1910.00	13.00	1860.00	26.00	1973.00	26.00	1973.00	26.00	5.73	Core
SantaOrosia_JY39-82	402.00	2.61	9.22	0.24	0.41	0.01	0.91	2364.00	25.00	2226.00	41.00	2468.00	17.00	2468.00	17.00	9.81	
SantaOrosia_JY39-83	238.00	1.62	0.73	0.01	0.09	0.00	0.53	555.30	7.80	538.00	10.00	586.00	43.00	538.00	10.00	3.12	
SantaOrosia_JY39-84	312.00	1.22	0.85	0.01	0.10	0.00	0.54	622.00	5.80	615.50	7.50	643.00	27.00	615.50	7.50	1.05	
SantaOrosia_JY39-85	959.00	1.21	2.80	0.05	0.23	0.00	0.86	1355.00	14.00	1342.00	24.00	1380.00	21.00	1380.00	21.00	2.75	
SantaOrosia_JY39-86	478.00	2.56	0.36	0.01	0.05	0.00	0.41	113.10	4.90	306.40	5.30	372.00	40.00	306.40	5.30	2.14	
SantaOrosia_JY39-87	109.60	1.21	12.52	0.16	0.49	0.01	0.80	2643.00	12.00	2549.00	27.00	2704.00	14.00	2704.00	14.00	5.73	
SantaOrosia_JY39-88	119.20	0.70	4.67	0.08	0.28	0.00	0.79	1763.00	13.00	1587.00	20.00	1976.00	18.00	1976.00	18.00	19.69	
SantaOrosia_JY39-89	522.00	2.02	0.34	0.00	0.05	0.00	0.53	299.20	3.20	297.80	2.90	311.00	26.00	297.80	2.90	0.47	
SantaOrosia_JY39-90	441.00	8.40	7.97	0.16	0.38	0.01	0.76	2226.00	19.00	2074.00	25.00	2371.00	23.00	2371.00	23.00	12.53	
SantaOrosia_JY39-91	169.60	1.88	0.95	0.02	0.11	0.00	0.46	675.10	9.00	661.00	11.00	723.00	41.00	661.00	11.00	2.09	
SantaOrosia_JY39-92	269.40	0.67	1.57	0.03	0.15	0.00	0.73	959.00	11.00	921.00	15.00	1031.00	26.00	1031.00	26.00	10.67	
SantaOrosia_JY39-94	517.00	10.95	0.59	0.02	0.08	0.00	0.69	468.00	12.00	471.00	16.00	468.00	53.00	471.00	16.00	0.64	Rim
SantaOrosia_JY39-94	328.00	2.16	1.60	0.02	0.16	0.00	0.60	969.80	8.60	946.00	13.00	1035.00	28.00	1035.00	28.00	8.60	Core
SantaOrosia_JY39-95	516.00	33.10	1.06	0.03	0.12	0.00	0.80	737.00	12.00	729.00	13.00	757.00	24.00	729.00	13.00	1.09	
SantaOrosia_JY39-96	166.00	0.73	0.78	0.02	0.09	0.00	0.49	589.70	8.90	578.50	9.10	611.00	42.00	578.50	9.10	1.90	
SantaOrosia_JY39-97	82.30	1.29	2.06	0.03	0.19	0.00	0.42	1133.10	8.60	1132.00	12.00	1123.00	26.00	1123.00	26.00	0.80	
SantaOrosia_JY39-98	732.00	2.53	1.12	0.02	0.12	0.00	0.64	761.20	8.60	758.00	21.00	731.00	52.00	758.00	21.00	0.42	
SantaOrosia_JY39-99	701.00	5.03	0.99	0.02	0.11	0.00	0.63	696.20	8.40	696.00	11.00	683.00	27.00	696.00	11.00	0.03	
SantaOrosia_JY39-100	264.00	1.83	0.98	0.01	0.11	0.00	0.56	692.50	5.30	682.10	8.00	722.00	24.00	682.10	8.00	1.50	
SantaOrosia_JY39-101	26.78	1.23	1.68	0.05	0.17	0.00	0.23	1001.00	18.00	984.00	24.00	1054.00	77.00	1054.00	77.00	6.64	
SantaOrosia_JY39-102	572.00	4.80	0.57	0.01	0.07	0.00	0.52	456.70	4.40	452.10	5.00	446.00	24.00	452.10	5.00	1.01	
SantaOrosia_JY39-103	229.40	3.71	0.70	0.01	0.09	0.00	0.63	542.60	8.20	530.20	8.90	604.00	32.00	530.20	8.90	2.29	
SantaOrosia_JY39-104	127.70	1.45	0.78	0.01	0.10	0.00	0.37	585.40	6.60	585.20	5.80	574.00	30.00	585.20	5.80	0.03	
SantaOrosia_JY39-105	286.00	1.34	6.21	0.08	0.35	0.01	0.69	2005.00	12.00	1928.00	27.00	2080.00	17.00	2080.00	17.00	7.31	
SantaOrosia_JY39-106	53.00	2.90	1.92	0.05	0.18	0.00	0.71	1089.00	15.00	1073.00	20.00	1118.00	32.00	1118.00	32.00	4.03	
SantaOrosia_JY39-107	429.00	2.66	0.37	0.01	0.05	0.00	0.45	319.80	3.90	320.90	4.20	322.00	29.00	320.90	4.20	0.34	
SantaOrosia_JY39-108	539.00	2.05	1.45	0.03	0.13	0.00	0.85	912.00	12.00	812.00	16.00	1176.00	19.00	DISC	DISC	10.96	
SantaOrosia_JY39-109	591.00	2.50	0.87	0.02	0.10	0.00	0.75	633.00	11.00	612.00	13.00	724.00	29.00	612.00	13.00	3.32	
SantaOrosia_JY39-110	162.60	2.69	0.61	0.01	0.08	0.00	0.33	483.60	8.50	470.10	7.90	551.00	50.00	470.10	7.90	2.79	
SantaOrosia_JY39-111	0.68	7.80	87.20	4.40	0.82	0.05	0.78	4540.00	51.00	3880.00	170.00	4875.00	64.00	DISC	DISC	20.41	
SantaOrosia_JY39-112	673.00	14.12	0.81	0.01	0.10	0.00	0.54	601.70	5.60	607.40	7.10	579.00	26.00	607.40	7.10	0.95	
SantaOrosia_JY39-113	80.00	4.93	0.63	0.03	0.06	0.00	0.52	499.00	15.00	403.00	14.00	955.00	79.00	DISC	DISC	19.24	
SantaOrosia_JY39-114	289.00	4.50	0.84	0.02	0.10	0.00	0.51	621.60	9.60	613.00	12.00	644.00	45.00	613.00	12.00	1.38	
SantaOrosia_JY39-115	242.30	0.93	0.84	0.01	0.10	0.00	0.58	617.50	6.40	611.30	7.00	642.00	26.00	611.30	7.00	1.00	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
SantaOrosia_JY39-116	945.00	3.70	0.86	0.01	0.10	0.00	0.44	631.50	6.00	626.40	8.30	666.00	30.00	626.40	8.30	0.81	
SantaOrosia_JY39-117	392.00	0.87	0.79	0.01	0.10	0.00	0.76	590.80	6.20	588.90	8.00	620.00	22.00	588.90	8.00	0.32	
SantaOrosia_JY39-118	100.20	1.11	11.57	0.23	0.47	0.01	0.83	2568.00	19.00	2468.00	31.00	2667.00	18.00	2667.00	18.00	7.46	
SantaOrosia_JY39-119	145.00	2.45	1.41	0.02	0.15	0.00	0.29	893.70	8.40	886.00	10.00	916.00	31.00	916.00	31.00	3.28	
SantaOrosia_JY39-120	81.70	0.70	3.71	0.05	0.27	0.00	0.63	1573.60	9.70	1520.00	16.00	1654.00	19.00	1654.00	19.00	8.10	
Cancias_JY36_1	254.00	5.78	0.71	0.02	0.09	0.00	0.30	541.70	8.80	544.00	13.00	560.00	71.00	544.00	13.00	0.42	Rim
Cancias_JY36_1	164.00	1.93	1.50	0.05	0.14	0.00	0.82	930.00	21.00	867.00	23.00	1060.00	35.00	1060.00	35.00	18.21	Core
Cancias_JY36_2	189.00	12.21	2.00	0.07	0.19	0.01	0.94	1122.00	21.00	1140.00	28.00	1090.00	23.00	1090.00	23.00	4.59	
Cancias_JY36_3	184.30	1.59	5.85	0.07	0.36	0.00	0.75	1952.00	11.00	1976.00	19.00	1943.00	15.00	1943.00	15.00	1.70	
Cancias_JY36_4	333.00	2.40	1.19	0.01	0.13	0.00	0.25	797.10	5.70	808.20	8.50	810.00	31.00	808.20	8.50	1.39	
Cancias_JY36_5	190.00	1.91	0.64	0.01	0.08	0.00	0.19	501.20	5.00	496.30	5.30	546.00	33.00	496.30	5.30	0.98	
Cancias_JY36_6	106.30	2.05	1.66	0.03	0.17	0.00	0.63	995.00	11.00	993.00	15.00	1046.00	29.00	1046.00	29.00	5.07	
Cancias_JY36_7	243.00	2.79	0.79	0.01	0.09	0.00	0.65	589.00	7.80	533.50	9.30	855.00	32.00	533.50	9.30	9.42	
Cancias_JY36_8	120.50	0.83	1.61	0.03	0.15	0.00	0.76	973.00	11.00	909.00	17.00	1162.00	23.00	1162.00	23.00	21.77	
Cancias_JY36_9	652.00	62.10	0.38	0.00	0.05	0.00	0.45	330.60	3.30	334.40	4.20	315.00	31.00	334.40	4.20	1.15	
Cancias_JY36_10	785.00	1.69	1.88	0.02	0.19	0.00	0.82	1075.70	8.00	1101.00	13.00	1040.00	15.00	1040.00	15.00	5.87	
Cancias_JY36_11	789.00	9.30	0.40	0.01	0.05	0.00	0.41	339.80	3.90	344.60	3.90	358.00	33.00	344.60	3.90	1.41	Rim
Cancias_JY36_11	1370.00	0.97	0.67	0.02	0.08	0.00	0.02	520.00	11.00	474.20	6.70	711.00	78.00	474.20	6.70	8.81	Core
Cancias_JY36_12	108.80	1.99	3.57	0.04	0.27	0.00	0.66	1541.80	9.10	1554.00	18.00	1566.00	18.00	1566.00	18.00	0.77	
Cancias_JY36_13	59.30	0.97	1.62	0.03	0.16	0.00	0.50	978.00	12.00	945.00	12.00	1094.00	31.00	1094.00	31.00	13.62	
Cancias_JY36_14	244.00	6.30	0.58	0.01	0.08	0.00	0.42	466.10	6.40	470.40	7.70	455.00	39.00	470.40	7.70	0.92	
Cancias_JY36_15	429.00	0.88	0.84	0.01	0.10	0.00	0.51	617.90	5.30	620.80	6.00	593.00	19.00	620.80	6.00	0.47	
Cancias_JY36_16	101.00	0.88	1.39	0.02	0.14	0.00	0.54	885.70	9.40	868.00	12.00	926.00	29.00	926.00	29.00	6.26	
Cancias_JY36_17	80.10	1.97	13.89	0.19	0.55	0.01	0.80	2741.00	13.00	2804.00	27.00	2685.00	12.00	2685.00	12.00	4.43	
Cancias_JY36_18	241.00	13.80	1.02	0.04	0.12	0.00	0.22	715.00	20.00	711.00	14.00	780.00	100.00	711.00	14.00	0.56	
Cancias_JY36_19	206.00	6.45	0.65	0.01	0.08	0.00	0.64	510.40	5.30	508.10	6.70	516.00	27.00	508.10	6.70	0.45	
Cancias_JY36_20	277.00	70.00	2.03	0.07	0.20	0.00	0.57	1137.00	30.00	1156.00	14.00	1011.00	49.00	1011.00	49.00	14.34	Rim
Cancias_JY36_20	211.00	1.66	2.98	0.03	0.24	0.00	0.53	1401.50	7.10	1410.00	17.00	1359.00	21.00	1359.00	21.00	3.75	Core
Cancias_JY36_21	582.00	3.83	0.95	0.01	0.11	0.00	0.64	677.00	5.10	681.20	6.40	634.00	16.00	681.20	6.40	0.62	
Cancias_JY36_22	483.00	1.44	1.68	0.03	0.17	0.00	0.82	1000.00	12.00	1020.00	13.00	925.00	17.00	925.00	17.00	10.27	
Cancias_JY36_23	211.00	1.31	0.79	0.01	0.10	0.00	0.71	590.60	7.90	588.00	10.00	607.00	31.00	588.00	10.00	0.44	
Cancias_JY36_24	158.10	0.84	0.92	0.02	0.11	0.00	0.32	660.50	8.10	663.30	9.60	618.00	42.00	663.30	9.60	0.42	
Cancias_JY36_25	536.00	7.24	2.05	0.03	0.19	0.00	0.56	1133.00	8.80	1143.00	14.00	1081.00	22.00	1081.00	22.00	5.74	
Cancias_JY36_26	198.00	1.36	7.08	0.08	0.39	0.01	0.75	2121.00	10.00	2111.00	24.00	2109.00	16.00	2109.00	16.00	0.09	
Cancias_JY36_27	124.40	0.73	0.89	0.01	0.11	0.00	0.47	647.30	7.10	658.90	7.30	642.00	29.00	658.90	7.30	1.79	
Cancias_JY36_28	439.00	1.81	0.33	0.01	0.05	0.00	0.54	293.20	6.50	295.80	5.10	317.00	52.00	295.80	5.10	0.89	Rim
Cancias_JY36_28	300.30	2.37	0.65	0.02	0.08	0.00	0.45	505.30	9.80	498.20	9.70	528.00	37.00	498.20	9.70	1.41	Core
Cancias_JY36_29	555.00	18.80	0.62	0.01	0.08	0.00	0.82	492.40	7.70	509.00	11.00	447.00	28.00	509.00	11.00	3.37	
Cancias_JY36_30	171.90	1.30	0.79	0.01	0.10	0.00	0.17	590.30	7.40	601.80	8.30	582.00	44.00	601.80	8.30	1.95	
Cancias_JY36_31	107.50	1.06	0.64	0.01	0.08	0.00	0.08	503.60	6.80	496.40	5.60	528.00	43.00	496.40	5.60	1.43	
Cancias_JY36_33	111.30	1.65	1.79	0.02	0.18	0.00	0.54	1039.40	8.30	1055.00	12.00	1022.00	27.00	1022.00	27.00	3.23	
Cancias_JY36_34	792.00	0.87	0.50	0.00	0.07	0.00	0.51	410.10	3.20	413.60	3.90	361.00	21.00	413.60	3.90	0.85	
Cancias_JY36_35	76.80	1.08	0.81	0.02	0.09	0.00	0.66	608.00	12.00	582.00	12.00	651.00	43.00	582.00	12.00	4.28	
Cancias_JY36_36	174.60	1.01	0.74	0.02	0.09	0.00	0.51	563.00	8.60	551.10	8.80	593.00	38.00	551.10	8.80	2.10	
Cancias_JY36_37	265.00	0.41	0.82	0.01	0.10	0.00	0.52	604.90	6.60	595.00	10.00	612.00	34.00	595.00	10.00	1.64	
Cancias_JY36_38	171.00	1.12	2.01	0.03	0.19	0.00	0.57	1119.00	11.00	1106.00	12.00	1101.00	24.00	1101.00	24.00	0.45	
Cancias_JY36_39	437.00	2.12	0.38	0.01	0.05	0.00	0.57	327.30	5.30	322.20	4.70	339.00	35.00	322.20	4.70	1.56	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm							Age (Ma)		Age (Ma)		Age (Ma)		Age (Ma)		%	
Cancias_JY36_40	432.00	6.18	0.65	0.01	0.08	0.00	0.57	507.60	4.30	503.20	4.70	496.00	21.00	503.20	4.70	0.87	
Cancias_JY36_41	221.10	1.26	0.89	0.01	0.11	0.00	0.46	646.40	5.50	646.80	6.20	632.00	25.00	646.80	6.20	0.06	
Cancias_JY36_42	173.00	2.15	5.58	0.05	0.35	0.00	0.69	1913.00	6.90	1915.00	15.00	1905.00	13.00	1905.00	13.00	0.52	
Cancias_JY36_43	291.00	76.90	0.61	0.01	0.08	0.00	0.40	484.50	6.90	481.40	7.40	502.00	47.00	481.40	7.40	0.64	Rim
Cancias_JY36_43	82.00	0.99	5.81	0.18	0.33	0.01	0.81	1947.00	27.00	1834.00	60.00	2031.00	48.00	2031.00	48.00	9.70	Core
Cancias_JY36_44	249.00	3.39	0.65	0.01	0.08	0.00	0.34	507.50	5.30	504.90	5.40	509.00	27.00	504.90	5.40	0.51	
Cancias_JY36_45	239.30	2.08	0.96	0.02	0.11	0.00	0.67	683.60	7.70	667.90	9.90	741.00	26.00	667.90	9.90	2.30	
Cancias_JY36_46	260.00	154.00	0.91	0.01	0.11	0.00	0.56	654.90	6.50	660.30	9.20	675.00	26.00	660.30	9.20	0.82	
Cancias_JY36_47	434.00	18.20	0.47	0.02	0.05	0.00	0.31	389.00	11.00	339.00	5.70	723.00	73.00	DISC	DISC	12.85	Rim
Cancias_JY36_47	575.00	11.86	4.16	0.05	0.25	0.00	0.65	1665.00	10.00	1461.00	21.00	1910.00	17.00	1910.00	17.00	23.51	Core
Cancias_JY36_48	785.00	40.50	0.44	0.01	0.06	0.00	0.55	368.90	4.20	374.80	3.90	344.00	24.00	374.80	3.90	1.60	
Cancias_JY36_49	193.20	3.64	0.65	0.01	0.08	0.00	0.36	505.50	5.10	513.90	5.80	458.00	35.00	513.90	5.80	1.66	
Cancias_JY36_50	394.00	0.99	0.84	0.01	0.10	0.00	0.57	616.40	4.90	617.90	7.30	589.00	22.00	617.90	7.30	0.24	
Cancias_JY36_51	243.00	1.47	0.35	0.01	0.05	0.00	0.13	304.00	5.30	302.90	5.60	326.00	61.00	302.90	5.60	0.36	Rim
Cancias_JY36_51	248.50	1.45	0.79	0.02	0.09	0.00	0.83	590.00	11.00	548.00	12.00	682.00	55.00	548.00	12.00	7.12	Core
Cancias_JY36_53	310.00	4.13	0.63	0.01	0.08	0.00	0.52	494.90	6.10	483.50	6.80	510.00	30.00	483.50	6.80	2.30	
Cancias_JY36_54	421.00	5.25	2.01	0.02	0.19	0.00	0.64	1119.60	8.20	1096.00	13.00	1132.00	20.00	1132.00	20.00	3.18	
Cancias_JY36_55	78.60	1.36	1.91	0.03	0.18	0.00	0.51	1082.70	9.90	1080.00	15.00	1051.00	31.00	1051.00	31.00	2.76	
Cancias_JY36_56	178.60	2.11	0.38	0.01	0.05	0.00	0.36	327.90	4.60	320.60	3.70	332.00	35.00	320.60	3.70	2.23	
Cancias_JY36_57	95.30	1.04	0.80	0.02	0.10	0.00	0.58	596.00	10.00	584.80	8.20	627.00	41.00	584.80	8.20	1.88	
Cancias_JY36_58	680.00	7.40	2.39	0.04	0.16	0.00	0.65	1240.00	12.00	971.00	15.00	1712.00	27.00	DISC	DISC	43.28	
Cancias_JY36_59	335.00	1.95	0.85	0.01	0.10	0.00	0.49	626.80	5.60	637.70	5.90	609.00	24.00	637.70	5.90	1.74	
Cancias_JY36_60	331.00	2.33	0.80	0.01	0.10	0.00	0.25	595.90	4.90	601.40	5.30	603.00	28.00	601.40	5.30	0.92	
Cancias_JY36_61	363.00	2.26	1.08	0.02	0.12	0.00	0.82	744.10	7.90	743.00	11.00	774.00	17.00	743.00	11.00	0.15	
Cancias_JY36_62	670.00	23.10	1.00	0.03	0.12	0.00	0.73	703.00	17.00	730.00	19.00	693.00	51.00	730.00	19.00	3.84	Rim
Cancias_JY36_62	101.00	1.58	1.53	0.03	0.16	0.00	0.62	949.00	12.00	931.00	12.00	989.00	29.00	989.00	29.00	5.86	Core
Cancias_JY36_63	297.00	2.19	1.54	0.03	0.16	0.00	0.67	945.00	11.00	948.00	16.00	941.00	30.00	941.00	30.00	0.74	
Cancias_JY36_64	115.90	2.50	0.82	0.01	0.10	0.00	0.34	608.90	7.50	611.30	7.70	638.00	33.00	611.30	7.70	0.39	
Cancias_JY36_65	1370.00	19.70	0.45	0.01	0.06	0.00	0.63	380.50	5.60	377.60	5.70	424.00	34.00	377.60	5.70	0.76	
Cancias_JY36_66	71.00	0.42	0.83	0.02	0.10	0.00	0.30	614.00	13.00	625.00	10.00	536.00	67.00	625.00	10.00	1.79	
Cancias_JY36_67	167.40	1.15	1.18	0.02	0.13	0.00	0.59	790.40	7.90	789.90	8.70	789.00	26.00	789.90	8.70	0.06	
Cancias_JY36_68	634.00	1.26	0.85	0.02	0.10	0.00	0.56	623.00	8.60	620.70	7.60	646.00	38.00	620.70	7.60	0.37	
Cancias_JY36_69	661.00	19.70	1.80	0.04	0.18	0.00	0.65	1044.00	13.00	1043.00	16.00	1057.00	34.00	1057.00	34.00	1.32	Rim
Cancias_JY36_69	326.00	0.69	11.02	0.13	0.47	0.01	0.74	2524.00	11.00	2471.00	26.00	2569.00	14.00	2569.00	14.00	3.81	Core
Cancias_JY36_70	345.00	1.26	0.52	0.01	0.07	0.00	0.35	423.10	4.20	424.00	4.10	407.00	30.00	424.00	4.10	0.21	
Cancias_JY36_71	438.00	36.00	0.62	0.02	0.08	0.00	0.76	488.30	9.20	479.10	9.00	562.00	38.00	479.10	9.00	1.88	
Cancias_JY36_72	310.00	1.06	1.23	0.02	0.13	0.00	0.62	812.60	6.80	809.20	7.30	815.00	20.00	809.20	7.30	0.42	
Cancias_JY36_73	293.00	1.34	0.38	0.01	0.05	0.00	0.50	324.30	3.80	323.10	3.90	328.00	29.00	323.10	3.90	0.37	
Cancias_JY36_74	447.00	0.87	0.85	0.02	0.10	0.00	0.82	622.00	10.00	598.00	13.00	737.00	25.00	598.00	13.00	3.86	
Cancias_JY36_75	465.00	3.08	1.04	0.01	0.11	0.00	0.43	726.30	6.00	698.30	9.90	786.00	31.00	698.30	9.90	3.86	
Cancias_JY36_76	382.00	10.84	0.61	0.01	0.08	0.00	0.58	486.00	4.80	488.30	6.00	490.00	23.00	488.30	6.00	0.47	
Cancias_JY36_77	690.00	6.01	0.97	0.01	0.11	0.00	0.71	689.60	6.40	694.30	8.50	673.00	21.00	694.30	8.50	0.68	
Cancias_JY36_78	194.00	1.65	0.81	0.01	0.10	0.00	0.27	603.20	5.90	601.00	7.00	627.00	33.00	601.00	7.00	0.36	
Cancias_JY36_79	40.60	2.87	1.15	0.05	0.13	0.00	0.31	773.00	24.00	803.00	23.00	699.00	90.00	803.00	23.00	3.88	
Cancias_JY36_80	62.59	1.36	5.18	0.09	0.32	0.00	0.61	1851.00	15.00	1797.00	23.00	1903.00	27.00	1903.00	27.00	5.57	
Cancias_JY36_81	445.00	2.06	1.52	0.02	0.16	0.00	0.70	936.60	8.60	948.00	12.00	917.00	22.00	917.00	22.00	3.38	
Cancias_JY36_82	333.00	0.92	0.87	0.01	0.10	0.00	0.27	634.50	5.20	634.40	7.00	631.00	27.00	634.40	7.00	0.02	

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error Age (Ma)	206/238 Age (Ma)	2σ error Age (Ma)	207/206 Age (Ma)	2σ error Age (Ma)	Best age Age (Ma)	2σ error Age (Ma)	Discordance %	Rim / Core
Cancias_JY36_85_	108.80	1.53	1.18	0.02	0.13	0.00	0.47	790.80	8.90	779.00	12.00	819.00	35.00	779.00	12.00	1.49	
Cancias_JY36_86_	301.00	1.84	6.94	0.07	0.39	0.00	0.90	2103.40	8.60	2100.00	18.00	2116.00	12.00	2116.00	12.00	0.76	
Cancias_JY36_87_	244.00	1.77	0.35	0.01	0.05	0.00	0.33	302.80	4.30	302.90	3.30	314.00	36.00	302.90	3.30	0.03	
Cancias_JY36_88_	80.30	1.51	0.71	0.02	0.09	0.00	0.48	545.70	8.80	539.10	8.20	580.00	44.00	539.10	8.20	1.21	
Cancias_JY36_89_	990.00	3.56	0.37	0.01	0.05	0.00	0.77	315.50	8.30	303.30	9.60	463.00	48.00	303.30	9.60	3.87	
Cancias_JY36_90_	221.00	7.40	0.73	0.03	0.09	0.00	0.77	559.00	13.00	577.00	15.00	565.00	52.00	577.00	15.00	3.22	Rim
Cancias_JY36_90_	161.90	7.01	1.40	0.03	0.14	0.00	0.42	887.00	11.00	865.00	12.00	928.00	35.00	928.00	35.00	6.79	Core
Cancias_JY36_91_	400.00	6.11	0.63	0.01	0.08	0.00	0.58	494.50	5.20	494.40	6.60	489.00	27.00	494.40	6.60	0.02	
Cancias_JY36_92_	182.50	5.84	0.98	0.02	0.11	0.00	0.49	694.20	8.20	694.00	7.60	696.00	31.00	694.00	7.60	0.03	
Cancias_JY36_93_	75.00	0.72	1.41	0.03	0.14	0.00	0.39	893.00	11.00	868.00	13.00	945.00	39.00	945.00	39.00	8.15	
Cancias_JY36_94_	233.70	2.16	5.12	0.09	0.33	0.00	0.77	1837.00	15.00	1814.00	21.00	1852.00	17.00	1852.00	17.00	2.05	
Cancias_JY36_96_	143.40	2.73	0.63	0.02	0.08	0.00	0.70	493.00	11.00	486.40	9.50	479.00	44.00	486.40	9.50	1.34	
Cancias_JY36_97_	279.00	2.02	0.43	0.01	0.06	0.00	0.35	364.10	4.00	362.00	3.40	352.00	29.00	362.00	3.40	0.58	
Cancias_JY36_98_	224.00	2.13	0.87	0.01	0.10	0.00	0.58	636.70	6.20	635.80	6.90	626.00	22.00	635.80	6.90	0.14	
Cancias_JY36_99_	649.00	10.92	1.25	0.02	0.14	0.00	0.86	820.90	9.50	819.00	12.00	818.00	17.00	819.00	12.00	0.23	
Cancias_JY36_100_	458.00	4.82	0.91	0.02	0.11	0.00	0.58	657.70	9.50	651.00	11.00	702.00	41.00	651.00	11.00	1.02	
Cancias_JY36_101_	201.00	3.32	0.86	0.01	0.10	0.00	0.58	633.90	7.10	633.90	9.20	637.00	25.00	633.90	9.20	0.30	
Cancias_JY36_102_	194.00	1.10	0.83	0.01	0.10	0.00	0.46	613.10	6.60	613.00	8.00	644.00	31.00	613.00	8.00	0.02	
Cancias_JY36_103_	229.20	1.63	14.59	0.22	0.53	0.01	0.80	2792.00	15.00	2718.00	43.00	2849.00	18.00	2849.00	18.00	4.60	
Cancias_JY36_104_	324.00	0.87	5.08	0.08	0.33	0.00	0.78	1831.00	13.00	1826.00	23.00	1868.00	15.00	1868.00	15.00	2.25	
Cancias_JY36_105_	158.00	1.22	0.93	0.01	0.11	0.00	0.37	665.40	7.20	677.70	7.30	701.00	32.00	677.70	7.30	1.85	
Cancias_JY36_106_	737.00	2.21	0.87	0.01	0.10	0.00	0.65	635.80	5.30	640.80	7.80	697.00	19.00	640.80	7.80	0.79	
Cancias_JY36_107_	434.00	2.72	0.77	0.01	0.10	0.00	0.53	577.30	7.50	599.20	9.20	554.00	37.00	599.20	9.20	3.79	
Cancias_JY36_108_	390.00	1.67	0.74	0.01	0.09	0.00	0.57	566.10	5.80	580.40	6.60	573.00	27.00	580.40	6.60	2.53	
Cancias_JY36_109_	265.00	1.79	1.75	0.03	0.17	0.00	0.75	1025.00	11.00	1021.00	14.00	1093.00	22.00	1093.00	22.00	6.59	
Cancias_JY36_110_	460.00	6.52	0.61	0.01	0.08	0.00	0.66	483.20	4.90	491.80	7.40	527.00	27.00	491.80	7.40	1.78	
Cancias_JY36_111_	216.00	4.08	1.15	0.02	0.13	0.00	0.64	776.30	8.80	778.00	12.00	797.00	29.00	778.00	12.00	0.22	
Cancias_JY36_112_	1152.00	2.50	0.40	0.00	0.06	0.00	0.65	344.90	3.30	345.30	4.80	362.00	26.00	345.30	4.80	0.12	
Cancias_JY36_113_	143.00	1.29	1.89	0.02	0.18	0.00	0.53	1079.10	7.90	1075.00	10.00	1090.00	21.00	1090.00	21.00	1.38	
Cancias_JY36_114_	79.60	0.82	1.59	0.06	0.15	0.01	0.79	966.00	25.00	918.00	29.00	1028.00	46.00	1028.00	46.00	10.70	Rim
Cancias_JY36_115_	928.00	19.60	1.10	0.05	0.12	0.01	0.72	752.00	26.00	735.00	31.00	776.00	75.00	735.00	31.00	2.26	Core
Cancias_JY36_115_	294.70	3.82	3.19	0.07	0.21	0.01	0.78	1455.00	16.00	1240.00	28.00	1747.00	22.00	1747.00	22.00	29.02	
Cancias_JY36_116_	327.00	2.17	0.37	0.01	0.05	0.00	0.58	320.20	5.10	303.50	4.60	405.00	35.00	303.50	4.60	5.22	
Cancias_JY36_117_	363.00	11.20	0.62	0.01	0.08	0.00	0.58	487.50	7.30	474.30	7.90	486.00	34.00	474.30	7.90	2.71	
Cancias_JY36_118_	91.20	0.77	0.81	0.02	0.10	0.00	0.44	603.50	9.40	586.00	11.00	602.00	48.00	586.00	11.00	2.90	
Cancias_JY36_119_	129.00	1.81	0.80	0.01	0.10	0.00	0.47	597.00	7.40	590.30	5.90	600.00	31.00	590.30	5.90	1.12	
Cancias_JY36_120_	314.00	1.23	7.67	0.13	0.40	0.01	0.79	2194.00	15.00	2189.00	30.00	2167.00	17.00	2167.00	17.00	1.02	
AtarésOroel_JJ1-1_	450.00	11.80	10.79	0.43	0.50	0.02	0.78	2501.00	37.00	2629.00	86.00	2404.00	50.00	2404.00	50.00	9.36	
AtarésOroel_JJ1-2_	253.00	3.33	1.24	0.07	0.12	0.01	0.45	816.00	30.00	702.00	44.00	1160.00	120.00	702.00	44.00	13.97	
AtarésOroel_JJ1-3_	531.00	20.40	0.93	0.04	0.10	0.00	0.25	666.00	20.00	610.00	22.00	870.00	120.00	610.00	22.00	8.41	
AtarésOroel_JJ1-4_	191.00	5.79	1.94	0.15	0.13	0.01	0.73	1091.00	50.00	787.00	41.00	1822.00	57.00	787.00	41.00	27.86	
AtarésOroel_JJ1-5_	305.00	1.41	0.87	0.08	0.04	0.00	0.76	630.00	45.00	228.00	14.00	2610.00	100.00	228.00	14.00	63.81	
AtarésOroel_JJ1-6_	310.00	2.89	1.05	0.05	0.12	0.01	0.79	734.00	22.00	737.00	27.00	672.00	79.00	737.00	27.00	0.41	
AtarésOroel_JJ1-8_	271.00	5.35	1.87	0.14	0.16	0.01	0.63	1065.00	47.00	931.00	44.00	1350.00	100.00	931.00	44.00	31.04	
AtarésOroel_JJ1-9_	230.00	3.50	7.08	0.41	0.38	0.03	0.89	2118.00	52.00	2080.00	140.00	2173.00	62.00	2173.00	62.00	4.28	
AtarésOroel_JJ1-10_	98.80	4.95	0.92	0.05	0.08	0.00	0.04	658.00	27.00	524.00	18.00	1121.00	87.00	524.00	18.00	20.36	
AtarésOroel_JJ1-11_	210.00	2.57	0.89	0.03	0.10	0.00	0.69	650.00	14.00	638.00	14.00	690.00	42.00	638.00	14.00	1.85	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/235	2σ error	206/238	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm							Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	%	
AtarésOroel_JJ1-12	94.80	2.79	0.87	0.06	0.08	0.00	0.54	626.00	32.00	488.00	20.00	1200.00	100.00	1200.00	DISC	DISC	DISC	22.04	
AtarésOroel_JJ1-13	115.00	8.40	2.84	0.59	0.11	0.00	0.03	1330.00	150.00	652.00	28.00	2680.00	320.00	2680.00	DISC	DISC	DISC	50.98	
AtarésOroel_JJ1-14	112.00	1.71	11.35	0.41	0.48	0.02	0.81	2548.00	34.00	2533.00	74.00	2613.00	48.00	2613.00	DISC	DISC	DISC	3.06	
AtarésOroel_JJ1-15	169.00	14.10	1.13	0.05	0.11	0.00	0.36	764.00	23.00	679.00	23.00	965.00	88.00	965.00	DISC	DISC	DISC	11.13	
AtarésOroel_JJ1-16	133.50	2.78	6.98	0.24	0.39	0.01	0.76	2110.00	30.00	2122.00	60.00	2102.00	43.00	2102.00	DISC	DISC	DISC	0.95	
AtarésOroel_JJ1-17	143.30	1.02	0.97	0.04	0.10	0.00	0.64	689.00	21.00	620.00	23.00	879.00	69.00	879.00	DISC	DISC	DISC	10.01	
AtarésOroel_JJ1-18	86.60	2.49	1.19	0.04	0.11	0.00	0.38	794.00	20.00	685.00	21.00	1150.00	77.00	1150.00	DISC	DISC	DISC	13.73	
AtarésOroel_JJ1-19	642.00	3.65	0.57	0.03	0.06	0.00	0.43	464.00	19.00	394.00	12.00	845.00	98.00	845.00	DISC	DISC	DISC	15.09	
AtarésOroel_JJ1-20	124.00	1.83	8.30	0.22	0.41	0.01	0.66	2265.00	26.00	2205.00	62.00	2340.00	39.00	2340.00	DISC	DISC	DISC	5.77	
AtarésOroel_JJ1-21	61.90	1.33	2.18	0.12	0.16	0.01	0.58	1170.00	39.00	934.00	37.00	1646.00	85.00	1646.00	DISC	DISC	DISC	43.26	
AtarésOroel_JJ1-22	282.00	9.08	1.91	0.13	0.09	0.00	0.68	1083.00	44.00	555.00	16.00	2388.00	90.00	2388.00	DISC	DISC	DISC	48.75	
AtarésOroel_JJ1-23	305.00	2.62	0.59	0.05	0.04	0.00	0.19	466.00	31.00	271.00	16.00	1670.00	190.00	1670.00	DISC	DISC	DISC	41.85	
AtarésOroel_JJ1-24	1170.00	4.06	0.23	0.02	0.03	0.00	0.91	1242.00	16.00	173.00	15.00	665.00	76.00	665.00	DISC	DISC	DISC	18.40	
AtarésOroel_JJ1-25	183.00	5.91	2.41	0.08	0.20	0.01	0.65	1215.00	22.00	1179.00	28.00	1318.00	48.00	1318.00	DISC	DISC	DISC	10.55	
AtarésOroel_JJ1-26	120.00	2.09	4.78	0.17	0.31	0.01	0.77	1777.00	29.00	1735.00	59.00	1841.00	41.00	1841.00	DISC	DISC	DISC	5.76	
AtarésOroel_JJ1-27	662.00	4.62	1.33	0.08	0.10	0.01	0.81	855.00	34.00	636.00	34.00	1535.00	64.00	1535.00	DISC	DISC	DISC	25.61	
AtarésOroel_JJ1-28	310.00	6.12	1.19	0.06	0.11	0.00	0.70	792.00	26.00	685.00	26.00	1049.00	64.00	1049.00	DISC	DISC	DISC	13.51	
AtarésOroel_JJ1-30	60.50	1.51	1.12	0.07	0.10	0.00	0.43	758.00	32.00	594.00	19.00	1310.00	110.00	1310.00	DISC	DISC	DISC	21.64	
AtarésOroel_JJ1-31	536.00	1.74	0.64	0.02	0.07	0.00	0.46	500.00	12.00	459.00	11.00	681.00	60.00	459.00	DISC	DISC	DISC	8.20	
AtarésOroel_JJ1-32	335.60	1.78	0.66	0.02	0.07	0.00	0.50	517.00	13.00	454.10	7.60	791.00	52.00	791.00	DISC	DISC	DISC	12.17	
AtarésOroel_JJ1-33	307.00	0.80	0.98	0.02	0.10	0.00	0.52	693.00	13.00	627.00	11.00	938.00	49.00	627.00	DISC	DISC	DISC	9.52	
AtarésOroel_JJ1-34	836.00	1.27	0.95	0.03	0.11	0.00	0.46	679.00	14.00	651.00	20.00	786.00	53.00	651.00	DISC	DISC	DISC	4.12	
AtarésOroel_JJ1-35	453.00	15.50	0.92	0.02	0.10	0.00	0.69	661.00	11.00	634.00	14.00	735.00	37.00	634.00	DISC	DISC	DISC	4.08	
AtarésOroel_JJ1-36	518.00	4.94	0.56	0.02	0.06	0.00	0.55	448.00	12.00	398.00	12.00	742.00	63.00	742.00	DISC	DISC	DISC	11.16	
AtarésOroel_JJ1-37	59.40	1.17	1.80	0.07	0.13	0.00	0.58	1045.00	26.00	763.00	25.00	1662.00	61.00	1662.00	DISC	DISC	DISC	26.99	
AtarésOroel_JJ1-38	210.00	2.59	1.14	0.02	0.13	0.00	0.62	774.50	7.90	767.00	12.00	817.00	28.00	767.00	DISC	DISC	DISC	0.97	
AtarésOroel_JJ1-39	208.70	1.98	0.73	0.02	0.08	0.00	0.48	556.00	10.00	524.00	11.00	671.00	46.00	524.00	DISC	DISC	DISC	5.76	
AtarésOroel_JJ1-40	543.00	8.20	0.69	0.02	0.09	0.00	0.84	534.00	11.00	527.00	17.00	571.00	44.00	527.00	DISC	DISC	DISC	1.31	
AtarésOroel_JJ1-41	183.00	1.38	1.87	0.03	0.18	0.00	0.54	1070.00	12.00	1044.00	18.00	1128.00	37.00	1128.00	DISC	DISC	DISC	7.45	
AtarésOroel_JJ1-42	482.00	1.16	1.45	0.04	0.15	0.00	0.86	914.00	17.00	889.00	24.00	985.00	35.00	985.00	DISC	DISC	DISC	9.75	
AtarésOroel_JJ1-43	958.00	3.96	0.97	0.02	0.11	0.00	0.59	686.00	11.00	685.00	14.00	699.00	40.00	685.00	DISC	DISC	DISC	0.15	
AtarésOroel_JJ1-44	134.30	0.79	0.97	0.04	0.10	0.00	0.38	684.00	22.00	633.00	12.00	856.00	81.00	633.00	DISC	DISC	DISC	7.46	
AtarésOroel_JJ1-45	81.50	1.06	4.45	0.06	0.31	0.01	0.64	1722.00	12.00	1746.00	27.00	1693.00	25.00	1693.00	DISC	DISC	DISC	3.13	
AtarésOroel_JJ1-46	124.90	0.99	0.69	0.02	0.08	0.00	0.29	530.90	9.40	516.10	8.40	590.00	56.00	516.10	DISC	DISC	DISC	2.79	
AtarésOroel_JJ1-47	337.40	8.19	0.60	0.01	0.07	0.00	0.40	473.90	8.20	433.90	8.50	613.00	45.00	433.90	DISC	DISC	DISC	8.44	
AtarésOroel_JJ1-48	149.00	0.85	0.89	0.02	0.10	0.00	0.61	647.00	13.00	635.00	14.00	685.00	42.00	635.00	DISC	DISC	DISC	1.85	
AtarésOroel_JJ1-49	738.00	19.50	0.53	0.01	0.07	0.00	0.72	428.50	7.60	421.80	8.10	463.00	32.00	421.80	DISC	DISC	DISC	1.56	
AtarésOroel_JJ1-50	145.50	0.87	3.81	0.14	0.27	0.01	0.77	1600.00	28.00	1524.00	38.00	1725.00	41.00	1725.00	DISC	DISC	DISC	11.65	
AtarésOroel_JJ1-51	91.00	1.76	1.08	0.03	0.12	0.00	0.67	748.00	15.00	711.00	16.00	836.00	44.00	711.00	DISC	DISC	DISC	4.95	
AtarésOroel_JJ1-52	91.20	1.83	3.56	0.08	0.27	0.01	0.83	1540.00	29.00	1527.00	29.00	1553.00	28.00	1553.00	DISC	DISC	DISC	1.67	
AtarésOroel_JJ1-53	530.00	2.30	0.87	0.01	0.10	0.00	0.67	636.20	6.00	636.00	8.60	656.00	25.00	636.00	DISC	DISC	DISC	0.03	
AtarésOroel_JJ1-54	288.20	2.20	0.96	0.02	0.11	0.00	0.46	684.80	8.40	648.50	9.20	780.00	32.00	648.50	DISC	DISC	DISC	5.30	
AtarésOroel_JJ1-55	262.70	5.88	5.88	0.14	0.28	0.01	0.47	1957.00	21.00	1600.00	34.00	2377.00	45.00	1600.00	DISC	DISC	DISC	32.69	
AtarésOroel_JJ1-56	153.00	1.66	1.33	0.03	0.14	0.00	0.41	861.00	13.00	816.00	13.00	960.00	42.00	816.00	DISC	DISC	DISC	5.23	
AtarésOroel_JJ1-57	176.70	1.32	0.89	0.03	0.10	0.00	0.31	642.00	11.00	594.00	11.00	821.00	72.00	594.00	DISC	DISC	DISC	7.48	
AtarésOroel_JJ1-58	309.90	1.20	0.82	0.02	0.09	0.00	0.41	609.00	11.00	560.20	7.80	811.00	45.00	560.20	DISC	DISC	DISC	8.01	
AtarésOroel_JJ1-59	134.50	1.13	4.14	0.08	0.29	0.00	0.60	1663.00	15.00	1651.00	25.00	1673.00	29.00	1673.00	DISC	DISC	DISC	1.32	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
AtarésOroel_JJ1-60	343.90	4.16	0.63	0.02	0.07	0.00	0.56	498.00	10.00	465.40	60.00	637.00	9.70	465.40	9.70	6.55	
AtarésOroel_JJ1-61	147.80	1.05	1.87	0.03	0.18	0.00	0.58	1071.30	9.80	1087.00	27.00	1038.00	15.00	1038.00	27.00	4.72	
AtarésOroel_JJ1-62	80.00	2.17	1.42	0.03	0.15	0.00	0.46	895.00	11.00	888.00	40.00	928.00	15.00	928.00	40.00	4.31	
AtarésOroel_JJ1-63	330.00	0.79	0.40	0.01	0.05	0.00	0.57	342.20	6.70	335.30	42.00	387.00	6.10	335.30	6.10	2.02	
AtarésOroel_JJ1-64	221.20	0.95	0.64	0.01	0.08	0.00	0.36	504.40	7.10	501.10	39.00	533.00	7.30	501.10	7.30	0.65	
AtarésOroel_JJ1-65	225.00	2.38	0.67	0.01	0.08	0.00	0.60	522.20	7.80	471.90	41.00	753.00	9.00	471.90	9.00	9.63	
AtarésOroel_JJ1-66	245.50	3.07	1.32	0.05	0.12	0.00	0.69	853.00	20.00	754.00	54.00	1129.00	22.00	754.00	54.00	11.61	
AtarésOroel_JJ1-67	218.00	20.80	1.02	0.06	0.09	0.00	0.18	712.00	30.00	555.00	120.00	1210.00	16.00	555.00	120.00	22.05	
AtarésOroel_JJ1-68	291.00	1.78	0.40	0.01	0.05	0.00	0.33	339.40	8.30	331.00	59.00	388.00	5.90	331.00	5.90	2.47	
AtarésOroel_JJ1-69	334.00	1.12	5.91	0.09	0.35	0.01	0.70	1963.00	13.00	1934.00	20.00	1994.00	26.00	1994.00	20.00	3.01	
AtarésOroel_JJ1-70	108.00	1.44	1.84	0.03	0.17	0.00	0.39	1058.00	11.00	1033.00	36.00	1093.00	16.00	1093.00	36.00	5.49	
AtarésOroel_JJ1-71	311.00	1.13	0.75	0.01	0.09	0.00	0.73	565.90	8.10	561.20	31.00	587.00	9.40	561.20	9.40	0.83	
AtarésOroel_JJ1-73	170.00	2.34	0.92	0.02	0.11	0.00	0.66	662.00	11.00	649.00	41.00	683.00	11.00	649.00	41.00	1.96	
AtarésOroel_JJ1-74	263.00	2.24	0.36	0.01	0.05	0.00	0.69	311.90	7.80	306.50	51.00	368.00	6.10	306.50	6.10	1.73	
AtarésOroel_JJ1-75	96.60	1.92	0.92	0.03	0.10	0.00	0.60	662.00	16.00	598.00	60.00	884.00	12.00	598.00	60.00	9.67	
AtarésOroel_JJ1-76	152.00	1.74	1.71	0.03	0.17	0.00	0.60	1011.00	12.00	991.00	35.00	1069.00	17.00	1069.00	35.00	7.30	
AtarésOroel_JJ1-77	513.00	3.98	0.99	0.02	0.11	0.00	0.74	697.00	11.00	655.00	34.00	792.00	16.00	655.00	34.00	6.03	
AtarésOroel_JJ1-78	325.00	2.09	3.19	0.08	0.24	0.01	0.63	1453.00	20.00	1399.00	34.00	1554.00	29.00	1554.00	34.00	9.97	
AtarésOroel_JJ1-79	170.90	0.57	0.93	0.02	0.11	0.00	0.49	666.90	7.70	659.40	34.00	702.00	9.60	659.40	9.60	1.12	
AtarésOroel_JJ1-80	191.00	7.86	0.64	0.01	0.08	0.00	0.31	499.30	8.80	493.80	53.00	556.00	7.70	493.80	7.70	1.10	
AtarésOroel_JJ1-81	519.00	3.57	0.88	0.02	0.10	0.00	0.62	641.00	13.00	638.00	48.00	677.00	17.00	638.00	48.00	0.47	
AtarésOroel_JJ1-82	337.00	3.36	0.94	0.01	0.11	0.00	0.65	670.90	7.50	671.00	27.00	682.00	10.00	671.00	27.00	0.01	
AtarésOroel_JJ1-83	406.00	2.21	1.30	0.04	0.14	0.00	0.57	843.00	18.00	840.00	42.00	861.00	21.00	840.00	42.00	0.36	
AtarésOroel_JJ1-84	70.70	0.44	1.91	0.07	0.14	0.01	0.61	1086.00	24.00	865.00	57.00	1547.00	31.00	865.00	57.00	44.09	
AtarésOroel_JJ1-85	308.00	1.02	0.61	0.02	0.07	0.00	0.75	482.10	9.70	430.00	39.00	741.00	11.00	430.00	39.00	10.81	
AtarésOroel_JJ1-86	252.00	1.03	0.77	0.02	0.09	0.00	0.75	580.00	11.00	572.00	38.00	611.00	11.00	572.00	38.00	1.38	
AtarésOroel_JJ1-87	586.00	1.97	0.74	0.01	0.08	0.00	0.57	561.20	6.00	522.10	31.00	721.00	9.00	522.10	9.00	6.97	
AtarésOroel_JJ1-88	529.00	2.48	0.36	0.01	0.05	0.00	0.63	310.70	5.60	305.80	42.00	354.00	5.70	305.80	42.00	1.58	
AtarésOroel_JJ1-89	214.90	2.10	3.07	0.08	0.23	0.01	0.79	1422.00	19.00	1339.00	32.00	1554.00	35.00	1554.00	32.00	13.84	
AtarésOroel_JJ1-90	314.00	1.45	0.72	0.02	0.09	0.00	0.57	549.70	8.70	541.70	41.00	604.00	7.50	541.70	7.50	1.46	
AtarésOroel_JJ1-91	519.00	8.99	2.11	0.03	0.19	0.00	0.74	1150.00	10.00	1147.00	19.00	1153.00	18.00	1153.00	19.00	0.52	
AtarésOroel_JJ1-93	290.00	2.03	1.80	0.04	0.17	0.00	0.73	1048.00	14.00	1010.00	28.00	1101.00	16.00	1101.00	28.00	8.27	
AtarésOroel_JJ1-94	228.20	15.78	0.96	0.07	0.10	0.00	0.42	679.00	34.00	631.00	120.00	850.00	25.00	631.00	120.00	7.07	Rim
AtarésOroel_JJ1-94	319.00	2.73	5.18	0.08	0.31	0.01	0.68	1849.00	13.00	1734.00	25.00	1977.00	30.00	1977.00	25.00	12.29	Core
AtarésOroel_JJ1-95	124.50	4.08	1.54	0.02	0.16	0.00	0.64	945.30	9.20	945.00	29.00	942.00	14.00	942.00	29.00	0.32	
AtarésOroel_JJ1-96	487.00	1.39	7.20	0.11	0.36	0.01	0.74	2134.00	14.00	2002.00	21.00	2256.00	31.00	2256.00	21.00	11.26	
AtarésOroel_JJ1-97	333.20	2.42	0.88	0.02	0.10	0.00	0.69	644.20	9.60	627.00	37.00	693.00	12.00	627.00	37.00	2.67	
AtarésOroel_JJ1-98	989.00	22.80	0.90	0.03	0.10	0.00	0.64	649.00	16.00	619.00	49.00	774.00	14.00	619.00	49.00	4.62	Rim
AtarésOroel_JJ1-98	563.00	8.22	3.92	0.09	0.21	0.01	0.66	1617.00	19.00	1226.00	43.00	2195.00	34.00	1226.00	43.00	44.15	Core
AtarésOroel_JJ1-99	547.00	4.31	0.62	0.01	0.07	0.00	0.31	486.20	7.60	460.50	37.00	588.00	7.50	460.50	37.00	5.29	
AtarésOroel_JJ1-100	650.00	7.37	0.96	0.02	0.11	0.00	0.59	685.00	10.00	654.00	32.00	798.00	14.00	654.00	32.00	4.53	
AtarésOroel_JJ1-101	249.00	1.42	1.89	0.05	0.18	0.00	0.00	1075.00	18.00	1044.00	37.00	1125.00	20.00	1125.00	37.00	7.20	
AtarésOroel_JJ1-102	688.00	7.74	0.90	0.02	0.10	0.00	0.74	654.00	12.00	605.00	33.00	829.00	11.00	605.00	33.00	7.49	
AtarésOroel_JJ1-103	421.00	0.85	1.02	0.02	0.11	0.00	0.63	712.30	9.40	698.00	29.00	769.00	11.00	698.00	29.00	2.01	
AtarésOroel_JJ1-104	350.00	7.30	0.67	0.02	0.08	0.00	0.74	524.00	11.00	504.00	45.00	616.00	14.00	504.00	45.00	3.82	
AtarésOroel_JJ1-105	483.00	18.20	0.92	0.07	0.09	0.00	0.70	660.00	35.00	580.00	87.00	972.00	23.00	580.00	87.00	12.12	
AtarésOroel_JJ1-106	130.70	0.85	1.05	0.03	0.11	0.00	0.51	728.00	14.00	681.00	62.00	871.00	17.00	681.00	62.00	6.46	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm							Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	%	
AtarésOroel_JJ1-108	64.90	0.79	1.66	0.09	0.15	0.01	0.18	988.00	33.00	907.00	68.00	1174.00	68.00	1174.00	68.00		22.74
AtarésOroel_JJ1-109	139.60	0.71	1.99	0.06	0.19	0.00	0.32	1111.00	21.00	1096.00	50.00	1155.00	50.00	1155.00	50.00		5.11
AtarésOroel_JJ1-110	491.00	1.92	1.43	0.04	0.13	0.00	0.61	900.00	15.00	796.00	52.00	1182.00	52.00	DISC	DISC		11.56
AtarésOroel_JJ1-111	305.00	1.77	1.62	0.02	0.16	0.00	0.63	977.60	7.50	965.00	24.00	1021.00	24.00	1021.00	24.00		5.48
AtarésOroel_JJ1-112	577.00	5.85	0.83	0.02	0.09	0.00	0.53	614.90	8.40	561.00	33.00	812.00	33.00	561.00	8.10		8.77
AtarésOroel_JJ1-113	274.00	2.20	3.19	0.05	0.25	0.00	0.79	1454.00	12.00	1445.00	20.00	1468.00	20.00	1468.00	20.00		1.57
AtarésOroel_JJ1-114	805.00	2.83	0.71	0.02	0.09	0.00	0.66	543.00	11.00	537.00	56.00	575.00	56.00	537.00	17.00		1.10
AtarésOroel_JJ1-115	136.00	0.67	1.08	0.02	0.12	0.00	0.57	746.00	12.00	730.00	15.00	804.00	15.00	730.00	41.00		2.14
AtarésOroel_JJ1-116	480.00	30.50	0.96	0.02	0.11	0.00	0.39	685.00	12.00	680.00	51.00	694.00	51.00	680.00	13.00		0.73
AtarésOroel_JJ1-117	225.90	2.98	0.84	0.02	0.10	0.00	0.35	621.00	9.20	617.00	11.00	624.00	11.00	617.00	11.00		0.64
AtarésOroel_JJ1-118	117.30	0.84	0.83	0.02	0.09	0.00	0.44	615.30	9.80	563.70	8.70	817.00	42.00	563.70	8.70		8.39
AtarésOroel_JJ1-119	206.00	3.74	2.01	0.06	0.17	0.00	0.08	1115.00	19.00	1025.00	48.00	1279.00	48.00	1279.00	48.00		19.86
AtarésOroel_JJ1-120	142.00	1.50	6.51	0.09	0.37	0.00	0.61	2049.00	13.00	2054.00	21.00	2040.00	19.00	2040.00	19.00		0.69
AtarésOroel_JJ1-121	194.00	1.78	0.89	0.02	0.10	0.00	0.43	645.30	8.20	603.30	36.00	799.00	36.00	603.30	7.90		6.51
AtarésOroel_JJ1-122	559.00	1.62	0.82	0.02	0.09	0.00	0.66	605.00	13.00	581.00	17.00	712.00	17.00	581.00	17.00		3.97
AtarésOroel_JJ1-123	341.00	0.82	0.71	0.01	0.08	0.00	0.43	543.10	7.30	523.90	37.00	615.00	37.00	523.90	7.20		3.54
AtarésOroel_JJ1-124	178.00	0.95	1.19	0.05	0.09	0.00	0.21	792.00	24.00	570.00	85.00	1467.00	85.00	DISC	DISC		28.03
AtarésOroel_JJ1-125	276.80	6.20	1.73	0.05	0.16	0.00	0.68	1019.00	17.00	973.00	36.00	1138.00	36.00	1138.00	36.00		14.50
AtarésOroel_JJ1-126	377.20	5.19	0.61	0.02	0.07	0.00	0.41	480.00	12.00	430.40	62.00	710.00	62.00	DISC	DISC		10.33
AtarésOroel_JJ1-127	33.20	1.40	2.69	0.21	0.12	0.00	0.59	1315.00	58.00	711.00	17.00	2480.00	110.00	DISC	DISC		45.93
AtarésOroel_JJ1-128	207.00	1.00	1.61	0.02	0.16	0.00	0.70	973.90	7.90	964.00	21.00	988.00	21.00	988.00	21.00		2.43
AtarésOroel_JJ1-129	79.30	1.12	5.99	0.09	0.32	0.01	0.65	1974.00	13.00	1800.00	22.00	2155.00	22.00	2155.00	22.00		16.47
AtarésOroel_JJ1-130	148.00	2.38	11.24	0.19	0.45	0.01	0.76	2341.00	16.00	2408.00	36.00	2648.00	36.00	2648.00	19.00		9.06
AtarésOroel_JJ1-131	647.00	2.34	0.87	0.08	0.06	0.00	0.31	632.00	41.00	393.00	18.00	1600.00	160.00	DISC	DISC		37.82
AtarésOroel_JJ1-132	442.00	3.16	0.58	0.01	0.07	0.00	0.58	462.00	4.00	462.70	24.00	459.00	24.00	462.70	5.30		0.15
AtarésOroel_JJ1-133	211.00	2.10	1.02	0.03	0.11	0.00	0.78	713.00	14.00	690.00	41.00	760.00	41.00	690.00	14.00		3.23
AtarésOroel_JJ1-134	109.50	4.47	0.97	0.02	0.11	0.00	0.38	688.80	9.70	677.10	40.00	732.00	40.00	677.10	9.20		1.70
AtarésOroel_JJ1-135	116.00	0.82	0.81	0.02	0.10	0.00	0.63	600.70	9.50	593.00	37.00	624.00	37.00	593.00	12.00		1.28
AtarésOroel_JJ1-136	69.10	1.78	11.74	0.28	0.46	0.01	0.94	2582.00	23.00	2425.00	15.00	2693.00	15.00	2693.00	15.00		9.95
AtarésOroel_JJ1-137	957.00	4.06	0.40	0.01	0.05	0.00	0.36	344.50	8.40	299.70	53.00	618.00	53.00	DISC	DISC		13.00
AtarésOroel_JJ1-138	389.00	12.50	0.82	0.03	0.08	0.00	0.37	608.00	17.00	501.00	74.00	1013.00	74.00	DISC	DISC		17.60
AtarésOroel_JJ1-139	273.00	1.55	0.77	0.02	0.07	0.00	0.59	580.00	12.00	460.90	48.00	1082.00	48.00	DISC	DISC		20.53
AtarésOroel_JJ1-140	181.00	2.41	0.61	0.03	0.05	0.00	0.22	479.00	16.00	297.20	68.00	1456.00	68.00	DISC	DISC		37.95
AtarésOroel_JJ1-141	250.30	0.70	4.72	0.05	0.29	0.00	0.66	1773.00	10.00	1656.00	22.00	1887.00	22.00	1887.00	22.00		12.24
AtarésOroel_JJ1-142	107.40	1.35	7.01	0.10	0.35	0.01	0.64	2111.00	13.00	1928.00	22.00	2266.00	22.00	2266.00	22.00		14.92
AtarésOroel_JJ1-143	258.00	1.81	0.36	0.01	0.05	0.00	0.16	310.50	6.70	289.90	89.00	479.00	89.00	289.90	8.10		6.63
AtarésOroel_JJ1-144	276.00	1.28	10.06	0.13	0.41	0.01	0.64	2441.00	11.00	2207.00	18.00	2627.00	18.00	2627.00	18.00		15.99
AtarésOroel_JJ1-145	416.00	2.65	0.40	0.01	0.05	0.00	0.73	339.50	5.20	334.90	31.00	348.00	31.00	334.90	6.50		1.35
AtarésOroel_JJ1-146	35.00	1.22	1.48	0.04	0.15	0.00	0.54	921.00	17.00	895.00	58.00	964.00	58.00	964.00	58.00		7.16
AtarésOroel_JJ1-147	37.80	1.10	1.21	0.03	0.13	0.00	0.31	805.00	16.00	779.00	71.00	876.00	71.00	779.00	22.00		3.23
AtarésOroel_JJ1-148	17.96	6.14	0.90	0.03	0.10	0.00	0.09	650.00	16.00	635.00	87.00	673.00	87.00	635.00	16.00		2.31
AtarésOroel_JJ1-149	75.10	1.03	6.01	0.09	0.34	0.01	0.66	1976.00	13.00	1880.00	24.00	2077.00	24.00	2077.00	24.00		9.48
AtarésOroel_JJ1-150	127.40	1.82	2.94	0.05	0.24	0.00	0.72	1392.00	12.00	1376.00	23.00	1450.00	23.00	1450.00	23.00		5.10
AtarésOroel_JJ1-151	158.90	2.10	2.51	0.06	0.21	0.00	0.84	1274.00	16.00	1239.00	26.00	1356.00	26.00	1356.00	24.00		8.63
AtarésOroel_JJ1-152	133.00	1.64	0.59	0.01	0.07	0.00	0.42	470.60	6.30	443.40	39.00	614.00	39.00	443.40	5.90		5.78
AtarésOroel_JJ1-153	415.00	0.89	0.39	0.01	0.05	0.00	0.32	335.00	7.30	306.60	52.00	571.00	52.00	306.60	5.70		8.48
AtarésOroel_JJ1-154	151.90	2.59	4.75	0.09	0.32	0.00	0.68	1776.00	17.00	1779.00	27.00	1787.00	27.00	1787.00	27.00		0.45

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm							Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	%	
AtarésOroel_JJ1-155	136.70	0.67	0.79	0.01	0.10	0.00	0.38	591.30	7.80	587.00	11.00	621.00	43.00	587.00	11.00	0.73	
AtarésOroel_JJ1-156	198.00	2.94	1.00	0.05	0.09	0.00	0.72	701.00	24.00	554.00	110.00	1350.00	110.00	DISC	DISC	20.97	Rim
AtarésOroel_JJ1-157	297.00	1.94	10.58	0.29	0.43	0.01	0.95	2484.00	60.00	2322.00	49.00	2633.00	16.00	2633.00	16.00	11.81	Core
AtarésOroel_JJ1-158	277.70	2.34	0.67	0.01	0.08	0.00	0.25	522.90	8.70	478.90	5.70	763.00	51.00	478.90	5.70	8.41	
AtarésOroel_JJ1-159	140.70	2.00	6.07	0.08	0.34	0.01	0.67	1985.00	12.00	1892.00	25.00	2086.00	21.00	2086.00	21.00	9.30	
AtarésOroel_JJ1-160	506.00	98.40	0.72	0.01	0.09	0.00	0.71	549.20	6.90	543.40	9.10	590.00	28.00	543.40	9.10	1.06	
AtarésOroel_JJ1-161	141.30	4.54	0.72	0.01	0.09	0.00	0.24	551.40	8.10	549.00	8.70	557.00	47.00	549.00	8.70	0.44	
AtarésOroel_JJ1-162	385.00	35.40	0.59	0.01	0.07	0.00	0.47	468.40	7.70	451.90	8.30	605.00	42.00	451.90	8.30	3.52	
AtarésOroel_JJ1-163	48.40	0.90	5.54	0.08	0.34	0.00	0.65	1908.00	12.00	1873.00	23.00	1960.00	21.00	1960.00	21.00	4.44	
AtarésOroel_JJ1-164	202.80	1.00	0.86	0.01	0.10	0.00	0.63	630.10	7.70	625.00	11.00	662.00	31.00	625.00	11.00	0.81	
AtarésOroel_JJ1-165	272.00	4.52	6.49	0.09	0.38	0.01	0.81	2045.00	12.00	2066.00	26.00	2048.00	17.00	2048.00	17.00	0.88	
AtarésOroel_JJ1-166	378.00	2.33	0.66	0.01	0.08	0.00	0.71	514.70	6.80	503.80	7.40	591.00	28.00	503.80	7.40	2.12	
AtarésOroel_JJ1-167	230.00	1.61	0.42	0.01	0.05	0.00	0.44	356.60	5.80	337.70	6.50	474.00	50.00	337.70	6.50	5.30	
AtarésOroel_JJ1-168	155.30	1.91	0.65	0.02	0.08	0.00	0.53	511.00	14.00	467.00	14.00	707.00	67.00	467.00	14.00	8.61	
AtarésOroel_JJ1-169	266.00	1.00	0.87	0.02	0.10	0.00	0.53	634.70	7.90	642.30	9.10	641.00	27.00	642.30	9.10	1.20	
AtarésOroel_JJ1-170	326.00	20.30	0.88	0.03	0.10	0.00	0.70	640.00	14.00	626.00	17.00	735.00	55.00	626.00	17.00	2.19	Rim
AtarésOroel_JJ1-171	356.00	1.30	1.69	0.03	0.17	0.00	0.64	1005.00	11.00	1003.00	17.00	1030.00	26.00	1030.00	26.00	2.62	Core
AtarésOroel_JJ1-172	131.00	1.11	5.56	0.08	0.33	0.01	0.63	1908.00	13.00	1854.00	27.00	1980.00	24.00	1980.00	24.00	6.36	
AtarésOroel_JJ1-173	449.00	2.25	0.40	0.00	0.05	0.00	0.38	341.40	3.40	333.60	4.20	410.00	33.00	333.60	4.20	2.28	
AtarésOroel_JJ1-174	164.00	1.62	1.87	0.03	0.18	0.00	0.68	1068.70	9.70	1058.00	15.00	1104.00	24.00	1104.00	24.00	4.17	
AtarésOroel_JJ1-175	168.80	1.33	4.95	0.13	0.28	0.01	0.93	1808.00	22.00	1607.00	35.00	2066.00	15.00	2066.00	15.00	22.22	
AtarésOroel_JJ1-176	93.30	1.47	1.21	0.03	0.13	0.00	0.47	802.00	11.00	795.10	9.80	858.00	38.00	795.10	9.80	0.86	
AtarésOroel_JJ1-177	118.20	0.49	4.72	0.09	0.30	0.01	0.75	1769.00	16.00	1668.00	26.00	1908.00	31.00	1908.00	31.00	12.58	
AtarésOroel_JJ1-178	276.00	1.09	0.87	0.02	0.10	0.00	0.61	636.00	12.00	611.00	12.00	730.00	40.00	611.00	12.00	3.93	
AtarésOroel_JJ5-1	222.00	2.21	0.60	0.02	0.08	0.00	0.65	477.50	9.90	472.00	15.00	529.00	64.00	472.00	15.00	1.15	
AtarésOroel_JJ5-2	158.00	1.06	0.84	0.02	0.10	0.00	0.53	616.00	13.00	602.00	15.00	699.00	55.00	602.00	15.00	2.27	
AtarésOroel_JJ5-3	282.50	10.16	0.60	0.01	0.08	0.00	0.54	474.20	6.60	469.90	7.50	524.00	36.00	469.90	7.50	0.91	
AtarésOroel_JJ5-4	317.00	1.88	0.36	0.01	0.05	0.00	0.47	313.90	4.70	309.60	5.30	354.00	43.00	309.60	5.30	1.37	
AtarésOroel_JJ5-5	227.00	12.60	0.63	0.03	0.08	0.00	0.56	496.00	18.00	476.00	21.00	590.00	120.00	476.00	21.00	4.03	
AtarésOroel_JJ5-6	150.50	1.31	0.80	0.02	0.09	0.00	0.61	596.00	11.00	547.00	13.00	769.00	45.00	547.00	13.00	8.22	
AtarésOroel_JJ5-7	413.00	3.56	0.35	0.01	0.05	0.00	0.52	307.80	5.70	307.10	6.30	345.00	43.00	307.10	6.30	0.23	
AtarésOroel_JJ5-8	281.30	1.25	0.86	0.02	0.10	0.00	0.72	631.00	12.00	607.00	13.00	726.00	30.00	607.00	13.00	3.80	
AtarésOroel_JJ5-9	213.10	1.47	1.69	0.03	0.17	0.00	0.70	1005.00	12.00	1008.00	16.00	983.00	27.00	983.00	27.00	2.54	
AtarésOroel_JJ5-10	64.90	1.35	1.35	0.04	0.13	0.00	0.59	864.00	19.00	760.00	19.00	1091.00	54.00	DISC	DISC	12.04	
AtarésOroel_JJ5-11	161.90	1.56	4.23	0.07	0.30	0.01	0.82	1677.00	13.00	1669.00	26.00	1677.00	24.00	1677.00	24.00	0.48	
AtarésOroel_JJ5-12	258.00	2.86	0.62	0.01	0.07	0.00	0.43	491.10	8.60	456.10	9.40	650.00	45.00	456.10	9.40	7.13	
AtarésOroel_JJ5-14	654.00	9.01	0.68	0.04	0.08	0.00	0.18	526.00	21.00	491.00	16.00	700.00	100.00	491.00	16.00	6.65	
AtarésOroel_JJ5-15	231.00	1.27	0.66	0.02	0.08	0.00	0.65	511.00	12.00	504.00	11.00	562.00	49.00	504.00	11.00	1.37	
AtarésOroel_JJ5-16	127.00	0.35	12.53	0.17	0.51	0.01	0.71	2643.00	13.00	2667.00	30.00	2622.00	19.00	2622.00	19.00	1.72	
AtarésOroel_JJ5-17	33.20	1.44	1.16	0.03	0.13	0.00	0.44	782.00	13.00	784.00	19.00	775.00	56.00	784.00	19.00	0.26	
AtarésOroel_JJ5-18	512.00	6.03	0.87	0.03	0.10	0.00	0.72	636.00	17.00	633.00	15.00	617.00	39.00	633.00	15.00	0.47	
AtarésOroel_JJ5-19	240.20	1.23	0.85	0.02	0.10	0.00	0.44	623.70	9.60	616.40	8.70	659.00	43.00	616.40	8.70	1.17	
AtarésOroel_JJ5-20	173.90	1.62	0.64	0.02	0.07	0.00	0.47	499.00	14.00	449.00	11.00	729.00	55.00	DISC	DISC	10.02	
AtarésOroel_JJ5-21	773.00	57.00	0.97	0.03	0.11	0.00	0.60	685.00	14.00	674.00	19.00	701.00	46.00	674.00	19.00	1.61	
AtarésOroel_JJ5-22	584.00	8.95	0.99	0.02	0.11	0.00	0.71	700.30	7.40	693.00	10.00	715.00	27.00	693.00	10.00	1.04	
AtarésOroel_JJ5-23	342.00	2.60	0.93	0.02	0.11	0.00	0.71	668.90	9.10	678.00	12.00	634.00	32.00	678.00	12.00	1.36	
AtarésOroel_JJ5-24	323.00	8.43	0.96	0.02	0.09	0.00	0.68	684.00	11.00	582.00	13.00	1018.00	36.00	DISC	DISC	14.91	

Sample	[U]	U/Th	207/235	206/238	2σ error	RHO	207/235	206/238	2σ error	207/235	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm		Age (Ma)	Age (Ma)	Age (Ma)		Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	%	
AtarésOroel JJ5-25	345.00	0.49	9.70	0.20	0.01	0.84	2404.00	19.00	2171.00	37.00	2599.00	18.00	2599.00	18.00	2599.00	18.00	16.47	
AtarésOroel JJ5-26	586.00	0.89	0.79	0.02	0.00	0.69	588.10	8.80	555.00	12.00	709.00	39.00	709.00	39.00	555.00	12.00	5.63	
AtarésOroel JJ5-27	495.00	0.38	0.34	0.01	0.00	0.64	297.00	4.70	295.70	5.50	331.00	36.00	331.00	36.00	295.70	5.50	0.44	
AtarésOroel JJ5-28	225.00	4.93	0.88	0.02	0.00	0.21	642.00	13.00	635.00	16.00	647.00	62.00	647.00	62.00	635.00	16.00	1.09	
AtarésOroel JJ5-29	230.00	2.00	3.26	0.06	0.00	0.71	1470.00	13.00	1416.00	22.00	1538.00	25.00	1538.00	25.00	1538.00	25.00	7.93	
AtarésOroel JJ5-30	749.00	3.18	0.92	0.02	0.00	0.48	662.00	12.00	646.00	20.00	726.00	70.00	726.00	70.00	646.00	20.00	2.42	
AtarésOroel JJ5-31	358.00	8.00	0.66	0.02	0.00	0.68	515.00	12.00	512.00	12.00	511.00	53.00	511.00	53.00	512.00	12.00	0.58	
AtarésOroel JJ5-32	431.00	7.18	1.22	0.03	0.00	0.75	809.00	16.00	778.00	26.00	944.00	48.00	944.00	48.00	778.00	26.00	3.83	
AtarésOroel JJ5-33	264.00	2.15	2.98	0.07	0.00	0.76	1404.00	17.00	1354.00	25.00	1457.00	26.00	1457.00	26.00	1457.00	26.00	7.07	
AtarésOroel JJ5-34	846.00	1.87	0.67	0.01	0.00	0.78	521.00	6.90	518.00	9.40	545.00	31.00	545.00	31.00	518.00	9.40	0.58	
AtarésOroel JJ5-35	464.00	1.10	0.82	0.01	0.00	0.78	609.90	8.10	611.00	11.00	591.00	26.00	611.00	26.00	611.00	11.00	0.18	
AtarésOroel JJ5-36	283.50	1.25	9.51	0.15	0.01	0.77	2389.00	15.00	2335.00	37.00	2421.00	21.00	2421.00	21.00	2421.00	21.00	3.55	
AtarésOroel JJ5-37	140.00	1.59	0.34	0.02	0.00	0.56	295.00	11.00	280.20	9.20	462.00	89.00	462.00	89.00	280.20	9.20	5.02	
AtarésOroel JJ5-38	146.50	1.21	5.09	0.09	0.01	0.75	1834.00	14.00	1782.00	29.00	1879.00	22.00	1879.00	22.00	1879.00	22.00	5.16	
AtarésOroel JJ5-39	254.60	1.04	1.64	0.03	0.00	0.81	987.00	10.00	959.00	17.00	1038.00	20.00	1038.00	20.00	1038.00	20.00	7.61	
AtarésOroel JJ5-40	1181.00	25.60	0.59	0.01	0.00	0.63	467.50	9.10	469.00	13.00	499.00	51.00	499.00	51.00	469.00	13.00	0.32	
AtarésOroel JJ5-41	536.10	8.88	0.73	0.01	0.00	0.68	558.00	7.40	557.20	9.30	570.00	35.00	570.00	35.00	557.20	9.30	0.14	
AtarésOroel JJ5-42	227.30	1.80	0.93	0.02	0.00	0.61	665.30	8.80	668.00	15.00	627.00	46.00	627.00	46.00	668.00	15.00	0.41	
AtarésOroel JJ5-43	180.50	3.48	0.87	0.02	0.00	0.60	635.00	9.20	606.00	12.00	726.00	36.00	726.00	36.00	606.00	12.00	4.57	
AtarésOroel JJ5-44	129.30	1.58	0.82	0.03	0.00	0.63	607.00	17.00	606.00	13.00	649.00	67.00	649.00	67.00	606.00	13.00	0.16	
AtarésOroel JJ5-45	585.00	8.10	0.77	0.02	0.00	0.49	576.30	9.10	573.00	12.00	586.00	45.00	586.00	45.00	573.00	12.00	0.57	
AtarésOroel JJ5-46	131.40	2.18	0.95	0.02	0.00	0.51	674.00	12.00	660.00	15.00	734.00	47.00	734.00	47.00	660.00	15.00	2.08	
AtarésOroel JJ5-47	722.00	3.68	1.00	0.02	0.00	0.80	702.00	11.00	696.00	15.00	716.00	27.00	716.00	27.00	696.00	15.00	0.85	
AtarésOroel JJ5-48	209.00	1.83	0.74	0.02	0.00	0.54	563.30	9.40	556.00	11.00	596.00	45.00	596.00	45.00	556.00	11.00	1.30	
AtarésOroel JJ5-49	338.00	2.11	0.71	0.01	0.00	0.65	543.70	7.00	544.80	7.90	532.00	31.00	532.00	31.00	544.80	7.90	0.20	
AtarésOroel JJ5-50	242.00	1.02	0.90	0.01	0.00	0.55	651.20	7.30	656.00	11.00	640.00	37.00	640.00	37.00	656.00	11.00	0.74	
AtarésOroel JJ5-51	278.00	3.14	0.76	0.01	0.00	0.50	572.50	6.10	569.70	7.90	598.00	32.00	598.00	32.00	569.70	7.90	0.49	
AtarésOroel JJ5-52	697.00	2.20	0.38	0.01	0.00	0.72	325.30	4.70	320.50	4.70	341.00	26.00	341.00	26.00	320.50	4.70	1.48	Rim
AtarésOroel JJ5-53	1220.00	76.00	0.51	0.02	0.00	0.07	417.00	16.00	376.00	14.00	630.00	130.00	630.00	130.00	376.00	14.00	9.83	Core
AtarésOroel JJ5-53	523.00	2.83	9.59	0.34	0.01	0.76	2393.00	32.00	2247.00	59.00	2506.00	41.00	2506.00	41.00	2506.00	41.00	10.34	
AtarésOroel JJ5-55	609.00	4.80	0.87	0.01	0.00	0.58	635.60	7.50	628.30	7.70	650.00	28.00	650.00	28.00	628.30	7.70	1.15	
AtarésOroel JJ5-56	294.00	1.27	0.80	0.01	0.00	0.67	596.10	7.50	591.10	9.50	623.00	28.00	623.00	28.00	591.10	9.50	0.84	
AtarésOroel JJ5-57	60.00	0.72	1.07	0.03	0.00	0.63	740.00	14.00	709.00	18.00	805.00	55.00	805.00	55.00	709.00	18.00	4.19	
AtarésOroel JJ5-58	132.70	1.09	1.63	0.03	0.00	0.58	980.00	10.00	975.00	16.00	985.00	27.00	985.00	27.00	985.00	27.00	1.02	
AtarésOroel JJ5-59	291.80	3.12	0.34	0.01	0.00	0.66	299.80	8.00	292.60	9.00	328.00	50.00	328.00	50.00	292.60	9.00	2.40	
AtarésOroel JJ5-61	540.00	18.70	0.59	0.01	0.00	0.63	472.90	7.60	462.90	7.80	513.00	35.00	513.00	35.00	462.90	7.80	2.11	
AtarésOroel JJ5-62	181.00	0.93	0.63	0.02	0.00	0.62	496.00	10.00	486.00	10.00	517.00	49.00	517.00	49.00	486.00	10.00	2.02	
AtarésOroel JJ5-63	91.60	2.04	1.02	0.02	0.00	0.36	712.00	12.00	645.00	12.00	923.00	53.00	923.00	53.00	645.00	12.00	9.41	
AtarésOroel JJ5-64	83.90	1.77	1.05	0.03	0.00	0.56	730.00	13.00	708.00	16.00	789.00	54.00	789.00	54.00	708.00	16.00	3.01	
AtarésOroel JJ5-65	944.00	12.79	1.21	0.02	0.00	0.63	805.00	10.00	821.00	12.00	738.00	31.00	738.00	31.00	821.00	12.00	1.99	
AtarésOroel JJ5-67	454.00	1.63	9.82	0.22	0.01	0.88	2422.00	21.00	2120.00	41.00	2674.00	18.00	2674.00	18.00	2674.00	18.00	20.72	
AtarésOroel JJ5-68	322.00	1.06	0.52	0.01	0.00	0.71	427.90	6.60	427.90	7.60	452.00	29.00	452.00	29.00	427.90	7.60	0.00	
AtarésOroel JJ5-69	345.00	1.07	0.81	0.02	0.00	0.71	602.40	8.40	600.00	13.00	616.00	36.00	616.00	36.00	600.00	13.00	0.70	
AtarésOroel JJ5-70	643.00	58.00	1.30	0.05	0.00	0.67	845.00	21.00	850.00	22.00	883.00	55.00	883.00	55.00	850.00	22.00	3.74	
AtarésOroel JJ5-71	326.50	1.19	1.61	0.03	0.00	0.71	977.00	13.00	948.00	20.00	1056.00	29.00	1056.00	29.00	948.00	20.00	10.23	
AtarésOroel JJ5-72	410.00	2.63	3.42	0.07	0.01	0.82	1508.00	15.00	1502.00	28.00	1524.00	23.00	1524.00	23.00	1524.00	23.00	1.44	
AtarésOroel JJ5-73	344.00	4.51	0.90	0.01	0.00	0.70	652.60	6.90	647.40	9.60	670.00	24.00	670.00	24.00	647.40	9.60	0.80	

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error Age (Ma)	206/238 Age (Ma)	2σ error Age (Ma)	207/206 Age (Ma)	2σ error Age (Ma)	Best age Age (Ma)	2σ error Age (Ma)	Discordance %	Rim / Core
AtarésOroel_JJ5-74	122.30	1.29	1.02	0.02	0.11	0.00	0.15	715.00	11.00	691.00	13.00	774.00	58.00	691.00	13.00	3.36	
AtarésOroel_JJ5-75	500.30	1.36	0.37	0.01	0.05	0.00	0.50	317.00	5.30	306.30	5.40	398.00	43.00	306.30	5.40	3.38	
AtarésOroel_JJ5-76	63.30	1.94	4.77	0.07	0.31	0.00	0.60	1780.00	11.00	1757.00	24.00	1789.00	25.00	1789.00	25.00	1.79	
AtarésOroel_JJ5-77	1237.00	3.31	0.41	0.01	0.05	0.00	0.69	345.30	5.50	342.90	6.90	375.00	34.00	342.90	6.90	0.70	
AtarésOroel_JJ5-78	155.00	2.26	1.87	0.03	0.18	0.00	0.54	1069.00	12.00	1050.00	19.00	1094.00	37.00	1094.00	37.00	4.02	
AtarésOroel_JJ5-79	185.00	4.25	1.09	0.03	0.12	0.00	0.67	750.00	14.00	730.00	15.00	820.00	39.00	730.00	15.00	2.67	
AtarésOroel_JJ5-80	404.00	16.00	0.84	0.03	0.10	0.00	0.80	619.00	17.00	605.00	17.00	718.00	50.00	605.00	17.00	2.26	
AtarésOroel_JJ5-81	224.70	2.53	0.74	0.02	0.09	0.00	0.82	564.00	10.00	573.00	13.00	542.00	47.00	573.00	13.00	1.60	
AtarésOroel_JJ5-82	441.00	2.48	1.47	0.03	0.15	0.00	0.84	916.00	13.00	906.00	22.00	953.00	28.00	953.00	28.00	4.93	
AtarésOroel_JJ5-83	180.00	1.65	11.48	0.18	0.47	0.01	0.85	2565.00	15.00	2481.00	32.00	2625.00	17.00	2625.00	17.00	5.49	
AtarésOroel_JJ5-84	280.00	2.86	0.56	0.01	0.07	0.00	0.64	449.80	7.20	446.60	7.80	484.00	37.00	446.60	7.80	0.71	
AtarésOroel_JJ5-85	630.00	6.68	1.36	0.02	0.14	0.00	0.61	872.00	11.00	845.00	15.00	925.00	34.00	845.00	15.00	3.10	
AtarésOroel_JJ5-86	113.40	1.01	0.78	0.03	0.09	0.00	0.30	583.70	8.60	573.80	8.20	617.00	43.00	573.80	8.20	1.70	
AtarésOroel_JJ5-87	208.00	0.60	5.55	0.11	0.33	0.01	0.77	1906.00	16.00	1848.00	30.00	1966.00	23.00	1966.00	23.00	6.00	
AtarésOroel_JJ5-88	254.40	5.30	0.59	0.01	0.07	0.00	0.52	470.20	7.30	459.50	8.10	528.00	40.00	459.50	8.10	2.28	
AtarésOroel_JJ5-89	281.30	1.92	1.10	0.02	0.12	0.00	0.56	754.00	8.10	758.00	10.00	756.00	31.00	758.00	10.00	0.53	
AtarésOroel_JJ5-90	422.00	2.28	1.60	0.04	0.16	0.00	0.56	969.00	16.00	929.00	13.00	1054.00	35.00	1054.00	35.00	11.86	
AtarésOroel_JJ5-91	360.50	0.97	0.78	0.01	0.09	0.00	0.59	589.00	7.40	583.00	11.00	599.00	38.00	583.00	11.00	1.02	
AtarésOroel_JJ5-92	168.50	1.12	1.12	0.04	0.12	0.00	0.66	761.00	17.00	743.00	26.00	790.00	56.00	743.00	26.00	2.37	
AtarésOroel_JJ5-93	295.00	2.02	1.67	0.03	0.17	0.00	0.73	998.20	9.60	991.00	18.00	992.00	28.00	992.00	28.00	0.10	
AtarésOroel_JJ5-94	292.00	1.69	0.35	0.01	0.05	0.00	0.28	300.90	7.50	288.40	6.30	361.00	72.00	288.40	6.30	4.15	
AtarésOroel_JJ5-95	461.00	2.22	0.36	0.01	0.05	0.00	0.61	314.50	6.40	312.90	6.70	337.00	42.00	312.90	6.70	0.51	
AtarésOroel_JJ5-96	369.00	1.48	1.75	0.03	0.17	0.00	0.61	1026.00	10.00	1021.00	17.00	1041.00	30.00	1041.00	30.00	1.92	
AtarésOroel_JJ5-97	436.00	1.58	0.82	0.02	0.10	0.00	0.79	605.00	13.00	600.00	17.00	632.00	37.00	600.00	17.00	0.83	
AtarésOroel_JJ5-98	531.00	2.49	0.35	0.01	0.05	0.00	0.59	304.50	6.70	301.80	5.60	337.00	52.00	301.80	5.60	0.89	
AtarésOroel_JJ5-99	79.90	0.36	5.18	0.09	0.32	0.01	0.78	1851.00	15.00	1798.00	28.00	1884.00	23.00	1884.00	23.00	4.56	
AtarésOroel_JJ5-100	149.00	6.37	0.84	0.03	0.10	0.00	0.57	616.00	16.00	595.00	22.00	712.00	77.00	595.00	22.00	3.41	Rim
AtarésOroel_JJ5-100	268.00	1.78	4.17	0.13	0.26	0.01	0.86	1666.00	26.00	1473.00	44.00	1929.00	25.00	1929.00	25.00	23.64	Core
AtarésOroel_JJ5-101	235.00	17.80	0.95	0.08	0.11	0.00	0.69	675.00	39.00	651.00	27.00	760.00	120.00	651.00	27.00	3.56	Rim
AtarésOroel_JJ5-101	59.00	0.83	5.49	0.10	0.33	0.01	0.65	1897.00	16.00	1853.00	34.00	1953.00	26.00	1953.00	26.00	5.12	Core
AtarésOroel_JJ5-102	699.00	1.95	0.37	0.01	0.05	0.00	0.60	323.40	5.90	321.20	7.00	315.00	43.00	321.20	7.00	0.68	
AtarésOroel_JJ5-103	89.00	3.05	0.99	0.02	0.11	0.00	0.32	699.00	10.00	696.00	11.00	672.00	51.00	696.00	11.00	0.43	
AtarésOroel_JJ5-104	99.20	1.98	0.55	0.01	0.07	0.00	0.30	446.50	9.30	437.30	8.20	480.00	56.00	437.30	8.20	2.06	
AtarésOroel_JJ5-106	238.30	2.52	0.55	0.01	0.07	0.00	0.49	443.20	7.60	429.60	8.00	487.00	43.00	429.60	8.00	3.07	
AtarésOroel_JJ5-107	426.00	14.40	0.80	0.03	0.09	0.00	0.81	598.00	15.00	574.00	18.00	699.00	41.00	574.00	18.00	4.01	Rim
AtarésOroel_JJ5-107	164.00	2.06	4.34	0.14	0.27	0.01	0.83	1700.00	27.00	1563.00	43.00	1858.00	42.00	1858.00	42.00	15.88	Core
AtarésOroel_JJ5-108	138.90	1.50	0.92	0.03	0.10	0.00	0.53	658.00	16.00	623.00	14.00	787.00	48.00	623.00	14.00	5.32	
AtarésOroel_JJ5-109	273.00	0.89	4.17	0.14	0.27	0.01	0.85	1664.00	28.00	1516.00	44.00	1844.00	36.00	1844.00	36.00	17.79	
AtarésOroel_JJ5-110	309.30	4.70	0.70	0.02	0.08	0.00	0.56	535.90	8.90	520.00	14.00	615.00	49.00	520.00	14.00	2.97	
AtarésOroel_JJ5-111	144.20	0.63	0.81	0.02	0.10	0.00	0.34	603.90	8.80	594.90	9.20	639.00	44.00	594.90	9.20	1.49	
AtarésOroel_JJ5-112	95.40	1.89	12.58	0.17	0.52	0.01	0.70	2647.00	13.00	2681.00	33.00	2623.00	19.00	2623.00	19.00	2.21	
AtarésOroel_JJ5-113	435.00	0.96	0.87	0.01	0.10	0.00	0.74	636.70	6.10	633.00	11.00	661.00	25.00	633.00	11.00	0.58	
AtarésOroel_JJ5-114	354.00	1.59	1.00	0.02	0.11	0.00	0.61	702.00	11.00	700.00	15.00	704.00	43.00	700.00	15.00	0.28	
AtarésOroel_JJ5-115	637.00	3.08	0.37	0.01	0.05	0.00	0.69	316.60	4.90	313.90	5.20	307.00	33.00	313.90	5.20	0.85	
AtarésOroel_JJ5-116	75.20	1.23	16.01	0.39	0.45	0.01	0.76	2875.00	23.00	2396.00	64.00	3207.00	29.00	3207.00	29.00	25.29	
AtarésOroel_JJ5-117	179.00	1.27	1.60	0.04	0.16	0.00	0.61	973.00	13.00	959.00	17.00	998.00	39.00	998.00	39.00	3.91	Rim
AtarésOroel_JJ5-118	700.00	38.30	0.99	0.03	0.11	0.00	0.73	696.00	17.00	698.00	22.00	715.00	52.00	698.00	22.00	0.29	

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error	206/238 Age (Ma)	2σ error	207/206 Age (Ma)	2σ error	Best age Age (Ma)	2σ error Age (Ma)	Discordance %	Rim / Core
AtarésOroel_JJ5-118	312.00	3.88	3.01	0.10	0.21	0.01	0.71	1409.00	26.00	1202.00	40.00	1703.00	47.00	1703.00	47.00	29.42	Core
AtarésOroel_JJ5-119	238.00	0.79	1.70	0.04	0.16	0.00	0.71	1007.00	15.00	974.00	25.00	1078.00	39.00	1078.00	39.00	9.65	Core
AtarésOroel_JJ5-120	187.40	0.60	3.19	0.13	0.23	0.01	0.95	1450.00	32.00	1329.00	45.00	1631.00	22.00	1631.00	22.00	18.52	Core
Oroelfan_JJ22-1	104.40	1.67	0.42	0.01	0.06	0.00	0.36	356.50	7.70	360.20	6.10	344.00	58.00	360.20	6.10	1.04	Core
Oroelfan_JJ22-2	584.00	5.70	0.88	0.02	0.11	0.00	0.74	642.00	12.00	643.00	12.00	629.00	32.00	643.00	12.00	0.16	Core
Oroelfan_JJ22-3	143.00	7.50	0.46	0.01	0.06	0.00	0.46	381.10	7.10	379.00	6.50	368.00	49.00	379.00	6.50	0.55	Core
Oroelfan_JJ22-4	340.00	6.30	0.71	0.01	0.09	0.00	0.72	543.20	7.70	528.60	9.50	597.00	30.00	528.60	9.50	2.69	Core
Oroelfan_JJ22-5	179.10	1.97	6.39	0.09	0.36	0.01	0.75	2031.00	12.00	1982.00	27.00	2070.00	17.00	2070.00	17.00	4.25	Core
Oroelfan_JJ22-6	401.00	4.47	0.36	0.01	0.04	0.00	0.61	313.00	7.00	241.40	6.20	893.00	49.00	DISC	DISC	22.88	Core
Oroelfan_JJ22-7	28.70	1.78	0.71	0.02	0.09	0.00	0.13	546.00	14.00	537.00	14.00	568.00	90.00	537.00	14.00	1.65	Core
Oroelfan_JJ22-8	301.00	6.43	0.95	0.04	0.11	0.00	0.64	674.00	19.00	663.00	22.00	686.00	65.00	663.00	22.00	1.63	Core
Oroelfan_JJ22-10	16.89	1.04	1.56	0.07	0.15	0.00	0.35	950.00	26.00	884.00	24.00	1078.00	88.00	1078.00	88.00	18.00	Core
Oroelfan_JJ22-12	310.10	8.35	0.71	0.02	0.08	0.00	0.57	541.90	9.10	505.30	7.80	670.00	38.00	505.30	7.80	6.75	Core
Oroelfan_JJ22-13	53.90	3.68	1.23	0.04	0.13	0.00	0.56	813.00	16.00	779.00	24.00	871.00	59.00	779.00	24.00	4.18	Core
Oroelfan_JJ22-14	192.00	13.54	0.64	0.01	0.08	0.00	0.42	500.00	7.80	492.10	9.60	528.00	47.00	492.10	9.60	1.58	Core
Oroelfan_JJ22-15	92.20	64.20	0.76	0.03	0.09	0.00	0.39	575.00	15.00	559.00	14.00	660.00	70.00	559.00	14.00	2.78	Core
Oroelfan_JJ22-16	296.00	1.30	0.58	0.01	0.07	0.00	0.55	465.10	8.00	442.00	9.20	592.00	51.00	442.00	9.20	4.97	Core
Oroelfan_JJ22-17	91.00	3.59	0.83	0.02	0.10	0.00	0.43	615.00	12.00	607.90	9.80	630.00	49.00	607.90	9.80	1.15	Core
Oroelfan_JJ22-18	167.00	1.44	0.82	0.02	0.10	0.00	0.48	608.00	13.00	596.00	15.00	675.00	64.00	596.00	15.00	1.97	Core
Oroelfan_JJ22-19	44.98	1.53	1.37	0.03	0.13	0.00	0.46	878.00	13.00	804.00	16.00	1023.00	47.00	804.00	16.00	8.43	Core
Oroelfan_JJ22-20	67.80	0.76	1.09	0.03	0.12	0.00	0.20	747.00	16.00	735.00	16.00	810.00	69.00	735.00	16.00	1.61	Core
Oroelfan_JJ22-21	50.80	0.88	0.92	0.02	0.10	0.00	0.51	663.00	13.00	639.00	18.00	754.00	56.00	639.00	18.00	3.62	Core
Oroelfan_JJ22-22	162.00	2.81	3.52	0.06	0.26	0.00	0.75	1531.00	14.00	1506.00	24.00	1567.00	24.00	1567.00	24.00	3.89	Core
Oroelfan_JJ22-24	118.00	4.06	0.62	0.01	0.08	0.00	0.44	487.40	7.70	484.20	7.90	483.00	47.00	484.20	7.90	0.66	Core
Oroelfan_JJ22-25	313.00	0.84	0.85	0.01	0.10	0.00	0.69	625.40	7.40	624.50	7.90	627.00	28.00	624.50	8.90	0.14	Core
Oroelfan_JJ22-26	391.00	2.07	0.33	0.01	0.04	0.00	0.38	289.90	8.20	279.60	9.10	350.00	90.00	279.60	9.10	3.55	Core
Oroelfan_JJ22-27	189.40	1.92	0.32	0.01	0.04	0.00	0.63	283.40	8.60	274.40	8.80	375.00	64.00	274.40	8.80	3.18	Core
Oroelfan_JJ22-28	264.00	2.38	0.71	0.01	0.09	0.00	0.59	545.40	8.40	530.70	9.00	612.00	37.00	530.70	9.00	2.70	Core
Oroelfan_JJ22-29	355.00	4.92	0.97	0.03	0.10	0.00	0.58	688.00	16.00	586.00	12.00	1045.00	55.00	DISC	DISC	14.83	Core
Oroelfan_JJ22-30	328.00	1.65	0.81	0.02	0.10	0.00	0.61	602.20	9.40	592.00	11.00	636.00	40.00	592.00	11.00	1.69	Core
Oroelfan_JJ22-31	203.80	1.90	1.65	0.02	0.16	0.00	0.68	989.40	8.50	974.00	11.00	1034.00	22.00	1034.00	22.00	5.80	Core
Oroelfan_JJ22-32	78.00	1.41	0.81	0.02	0.10	0.00	0.20	604.00	12.00	593.00	10.00	631.00	64.00	593.00	10.00	1.82	Core
Oroelfan_JJ22-33	166.90	0.55	0.80	0.02	0.10	0.00	0.52	596.90	8.50	585.10	9.60	633.00	37.00	585.10	9.60	1.98	Core
Oroelfan_JJ22-34	785.00	114.00	0.46	0.02	0.06	0.00	0.75	384.00	16.00	374.00	17.00	455.00	76.00	374.00	17.00	2.60	Rim
Oroelfan_JJ22-34	107.60	2.43	1.56	0.04	0.16	0.00	0.58	953.00	16.00	940.00	27.00	998.00	55.00	998.00	55.00	5.81	Core
Oroelfan_JJ22-35	271.00	1.67	1.52	0.03	0.15	0.00	0.69	937.00	13.00	927.00	22.00	912.00	39.00	912.00	39.00	1.64	Core
Oroelfan_JJ22-36	545.00	3.93	0.36	0.01	0.05	0.00	0.71	310.30	5.30	308.70	5.90	316.00	38.00	308.70	5.90	0.52	Core
Oroelfan_JJ22-37	247.00	0.79	0.34	0.01	0.05	0.00	0.47	297.80	6.70	297.20	5.30	322.00	57.00	297.20	5.30	0.20	Core
Oroelfan_JJ22-38	253.70	1.12	0.79	0.02	0.09	0.00	0.59	592.30	8.80	582.80	8.70	652.00	36.00	582.80	8.70	1.60	Core
Oroelfan_JJ22-39	840.00	1.85	0.70	0.01	0.08	0.00	0.71	536.70	8.10	507.00	10.00	658.00	33.00	507.00	10.00	5.53	Core
Oroelfan_JJ22-40	305.00	14.29	0.58	0.01	0.07	0.00	0.62	466.50	6.90	466.20	8.00	498.00	35.00	466.20	8.00	0.06	Core
Oroelfan_JJ22-41	433.00	1.42	0.80	0.01	0.10	0.00	0.63	594.70	7.80	590.30	9.70	608.00	29.00	590.30	9.70	0.74	Core
Oroelfan_JJ22-42	73.40	1.74	0.76	0.02	0.09	0.00	0.39	576.00	12.00	564.00	11.00	615.00	53.00	564.00	11.00	2.08	Core
Oroelfan_JJ22-43	780.00	113.00	0.42	0.02	0.06	0.00	0.89	356.00	11.00	359.00	18.00	345.00	60.00	359.00	18.00	0.84	Rim
Oroelfan_JJ22-43	75.90	1.10	9.76	0.23	0.44	0.01	0.75	2410.00	21.00	2330.00	55.00	2471.00	33.00	2471.00	33.00	5.71	Core
Oroelfan_JJ22-44	248.00	1.34	0.83	0.02	0.10	0.00	0.45	611.60	8.20	604.00	11.00	655.00	35.00	604.00	11.00	1.24	Core
Oroelfan_JJ22-45	633.00	2.88	0.37	0.01	0.05	0.00	0.74	316.70	5.50	320.00	6.10	293.00	33.00	320.00	6.10	1.04	Core

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error Age (Ma)	206/238 Age (Ma)	2σ error Age (Ma)	207/206 Age (Ma)	2σ error Age (Ma)	Best age Age (Ma)	2σ error Age (Ma)	Discordance %	Rim / Core
Oroelfan_J122-46	716.00	1.27	0.99	0.02	0.06	0.00	0.61	698.00	12.00	404.00	12.00	1792.00	44.00	719.00	44.00	42.12	
Oroelfan_J122-48	31.90	1.36	1.08	0.04	0.12	0.00	0.44	741.00	20.00	719.00	17.00	812.00	73.00	719.00	17.00	2.97	
Oroelfan_J122-49	228.20	0.72	0.82	0.00	0.10	0.00	0.68	608.00	13.00	596.00	14.00	585.00	40.00	596.00	14.00	1.97	
Oroelfan_J122-50	203.70	0.68	0.79	0.01	0.09	0.00	0.68	591.70	7.90	583.00	10.00	625.00	34.00	583.00	10.00	1.47	
Oroelfan_J122-51	495.00	1.50	1.70	0.04	0.17	0.00	0.76	1008.00	13.00	1015.00	19.00	998.00	29.00	998.00	29.00	1.70	
Oroelfan_J122-52	446.00	0.96	1.54	0.03	0.16	0.00	0.77	947.00	13.00	963.00	24.00	951.00	32.00	951.00	32.00	1.26	
Oroelfan_J122-53	176.50	2.35	7.56	0.10	0.37	0.01	0.70	2179.00	12.00	2030.00	28.00	2328.00	20.00	2328.00	20.00	12.80	
Oroelfan_J122-54	199.00	3.25	1.15	0.02	0.13	0.00	0.52	775.00	9.20	768.00	14.00	818.00	34.00	768.00	14.00	0.90	
Oroelfan_J122-55	67.30	1.77	1.15	0.03	0.13	0.00	0.45	776.00	14.00	766.00	15.00	810.00	47.00	766.00	15.00	1.29	
Oroelfan_J122-56	167.00	1.92	1.96	0.04	0.19	0.00	0.47	1100.00	12.00	1105.00	19.00	1087.00	34.00	1087.00	34.00	1.66	
Oroelfan_J122-57	242.60	1.96	0.88	0.02	0.10	0.00	0.62	638.20	8.60	634.00	11.00	686.00	35.00	634.00	11.00	0.66	
Oroelfan_J122-60	244.00	1.60	5.84	0.13	0.33	0.01	0.82	1950.00	20.00	1849.00	42.00	2044.00	26.00	2044.00	26.00	9.54	
Oroelfan_J122-61	256.00	1.58	0.89	0.02	0.10	0.00	0.69	644.60	9.60	640.00	12.00	646.00	33.00	640.00	12.00	0.71	
Oroelfan_J122-62	78.80	1.06	1.75	0.03	0.17	0.00	0.50	1026.00	12.00	1020.00	15.00	1064.00	33.00	1064.00	33.00	4.14	
Oroelfan_J122-63	555.00	4.28	0.37	0.01	0.05	0.00	0.50	320.20	7.10	300.40	7.50	467.00	57.00	300.40	7.50	6.18	
Oroelfan_J122-64	153.00	5.98	9.46	0.41	0.36	0.01	0.96	2379.00	41.00	1972.00	65.00	2752.00	22.00	2752.00	22.00	28.34	
Oroelfan_J122-65	247.30	3.53	1.54	0.02	0.15	0.00	0.73	945.00	13.00	924.00	14.00	985.00	29.00	985.00	29.00	6.19	
Oroelfan_J122-66	598.00	2.85	1.19	0.02	0.13	0.00	0.66	798.10	7.60	799.00	11.00	787.00	25.00	799.00	11.00	0.11	
Oroelfan_J122-67	943.00	2.82	1.95	0.02	0.19	0.00	0.73	1097.50	7.80	1115.00	13.00	1060.00	18.00	1060.00	18.00	5.19	
Oroelfan_J122-68	17.80	74.00	0.82	0.04	0.10	0.01	0.18	611.00	20.00	602.00	31.00	630.00	150.00	602.00	31.00	1.47	Rim
Oroelfan_J122-68	228.80	3.80	8.53	0.25	0.36	0.01	0.91	2285.00	27.00	1983.00	48.00	2564.00	23.00	2564.00	23.00	22.66	Core
Oroelfan_J122-69	309.00	1.80	0.33	0.01	0.05	0.00	0.56	290.60	5.80	286.80	5.90	327.00	49.00	286.80	5.90	1.31	
Oroelfan_J122-70	133.80	0.92	0.68	0.01	0.08	0.00	0.27	527.20	7.20	516.50	8.60	574.00	45.00	516.50	8.60	2.03	
Oroelfan_J122-71	186.00	1.11	0.87	0.02	0.10	0.00	0.60	636.30	8.80	639.00	10.00	628.00	36.00	639.00	10.00	0.42	
Oroelfan_J122-72	128.60	3.37	0.76	0.01	0.09	0.00	0.23	570.30	7.90	575.90	7.60	573.00	39.00	575.90	7.60	0.98	
Oroelfan_J122-73	205.00	2.68	0.36	0.01	0.05	0.00	0.22	308.80	6.20	302.00	5.90	360.00	58.00	302.00	5.90	2.20	
Oroelfan_J122-74	314.00	2.22	0.37	0.01	0.05	0.00	0.51	317.20	5.70	313.60	5.40	342.00	45.00	313.60	5.40	1.13	
Oroelfan_J122-75	153.70	1.75	1.83	0.03	0.16	0.00	0.70	1058.00	11.00	957.00	17.00	1251.00	29.00	1251.00	29.00	23.50	
Oroelfan_J122-76	70.60	1.68	4.53	0.10	0.31	0.01	0.62	1736.00	19.00	1730.00	34.00	1743.00	30.00	1743.00	30.00	0.75	
Oroelfan_J122-77	180.10	4.10	5.25	0.15	0.27	0.01	0.77	1863.00	25.00	1542.00	37.00	2244.00	34.00	DISC	DISC	31.28	
Oroelfan_J122-78	581.00	0.66	1.26	0.04	0.13	0.00	0.68	828.00	17.00	764.00	28.00	1024.00	59.00	764.00	28.00	7.73	
Oroelfan_J122-79	56.70	1.09	4.06	0.08	0.29	0.01	0.65	1645.00	15.00	1659.00	27.00	1625.00	32.00	1625.00	32.00	2.09	
Oroelfan_J122-80	293.00	3.02	0.88	0.01	0.10	0.00	0.67	640.90	7.50	642.00	12.00	655.00	29.00	642.00	12.00	0.17	
Oroelfan_J122-81	448.00	27.70	0.83	0.02	0.10	0.00	0.63	614.70	9.60	603.00	14.00	646.00	38.00	603.00	14.00	1.90	
Oroelfan_J122-83	278.00	2.61	3.13	0.05	0.24	0.00	0.71	1439.00	13.00	1394.00	23.00	1524.00	26.00	1524.00	26.00	8.53	
Oroelfan_J122-84	275.80	5.33	0.61	0.01	0.08	0.00	0.60	481.50	7.10	478.00	8.50	487.00	37.00	478.00	8.50	0.73	
Oroelfan_J122-85	116.10	2.27	0.82	0.02	0.10	0.00	0.46	608.40	9.50	608.10	9.40	622.00	43.00	608.10	9.40	0.05	
Oroelfan_J122-86	860.00	1.22	1.90	0.04	0.18	0.00	0.64	1080.00	13.00	1079.00	23.00	1116.00	35.00	1116.00	35.00	5.20	
Oroelfan_J122-87	341.00	1.80	5.16	0.06	0.32	0.01	0.72	1845.00	10.00	1779.00	17.00	1922.00	24.00	1922.00	24.00	7.44	
Oroelfan_J122-88	126.00	0.97	0.79	0.01	0.10	0.00	0.37	591.60	7.60	587.00	10.00	624.00	40.00	587.00	10.00	0.78	
Oroelfan_J122-89	205.30	2.59	0.34	0.01	0.05	0.00	0.17	293.90	5.00	298.80	4.10	268.00	51.00	298.80	4.10	1.67	
Oroelfan_J122-90	109.20	1.70	0.74	0.02	0.09	0.00	0.54	559.20	9.00	551.00	10.00	628.00	46.00	551.00	10.00	1.47	
Oroelfan_J122-91	140.30	1.21	0.76	0.02	0.09	0.00	0.29	571.00	10.00	571.30	9.40	574.00	51.00	571.30	9.40	0.15	
Oroelfan_J122-92	206.00	5.80	1.43	0.03	0.12	0.00	0.71	899.00	14.00	736.00	13.00	1327.00	29.00	DISC	DISC	18.13	
Oroelfan_J122-93	33.10	0.98	8.51	0.30	0.44	0.01	0.87	2287.00	30.00	2344.00	56.00	2223.00	29.00	2223.00	29.00	5.44	
Oroelfan_J122-94	97.10	0.44	1.30	0.02	0.14	0.00	0.09	846.90	8.80	824.80	9.50	906.00	41.00	824.80	9.50	2.61	
Oroelfan_J122-95	93.10	0.77	1.37	0.03	0.14	0.00	0.52	876.00	13.00	849.00	16.00	970.00	41.00	849.00	16.00	3.08	

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error Age (Ma)	206/238 Age (Ma)	2σ error Age (Ma)	207/206 Age (Ma)	2σ error Age (Ma)	Best age Age (Ma)	2σ error Age (Ma)	Discordance %	Rim / Core
Oroelfan_J122-96_	197.00	1.25	0.34	0.01	0.05	0.00	0.39	294.50	5.70	291.40	5.60	341.00	44.00	291.40	5.60	1.05	
Oroelfan_J122-97_	21.50	1.52	1.78	0.07	0.17	0.00	0.27	1035.00	24.00	1016.00	27.00	1098.00	84.00	1098.00	84.00	7.47	
Oroelfan_J122-98_	256.00	6.30	0.64	0.01	0.08	0.00	0.28	501.00	5.80	501.60	6.80	521.00	36.00	501.60	6.80	0.12	
Oroelfan_J122-99_	229.00	4.91	0.61	0.01	0.08	0.00	0.59	485.20	6.80	483.80	8.10	497.00	33.00	483.80	8.10	0.29	
Oroelfan_J122-100_	102.50	1.27	0.73	0.02	0.09	0.00	0.37	560.00	10.00	545.00	11.00	633.00	56.00	545.00	11.00	2.68	
Oroelfan_J122-101_	315.00	8.29	0.60	0.01	0.08	0.00	0.69	477.30	5.80	483.10	7.50	458.00	28.00	483.10	7.50	1.22	
Oroelfan_J122-102_	124.60	1.32	0.99	0.02	0.11	0.00	0.45	697.50	9.10	681.00	11.00	746.00	43.00	681.00	11.00	2.37	
Oroelfan_J122-103_	305.70	5.28	0.49	0.01	0.06	0.00	0.61	405.10	8.60	397.40	7.90	429.00	50.00	397.40	7.90	1.90	
Oroelfan_J122-104_	129.40	0.65	0.79	0.02	0.10	0.00	0.30	591.00	12.00	602.00	14.00	552.00	68.00	602.00	14.00	1.86	
Oroelfan_J122-105_	610.00	3.08	0.99	0.01	0.12	0.00	0.45	700.60	6.00	704.00	8.60	687.00	27.00	704.00	8.60	0.49	
Oroelfan_J122-106_	179.00	2.48	10.47	0.15	0.46	0.01	0.55	2476.00	13.00	2423.00	35.00	2531.00	21.00	2531.00	21.00	4.27	
Oroelfan_J122-107_	39.60	3.59	0.82	0.02	0.09	0.00	0.10	604.00	12.00	565.00	11.00	789.00	69.00	565.00	11.00	6.46	
Oroelfan_J122-108_	2090.00	2.24	0.39	0.01	0.05	0.00	0.87	335.00	10.00	330.00	14.00	344.00	45.00	330.00	14.00	1.49	
Oroelfan_J122-110_	255.00	15.10	0.67	0.01	0.08	0.00	0.47	520.10	7.30	526.50	7.50	496.00	39.00	526.50	7.50	1.23	
Oroelfan_J122-111_	588.00	13.43	0.58	0.01	0.07	0.00	0.80	461.10	7.30	459.00	8.20	475.00	27.00	459.00	8.20	0.46	
Oroelfan_J122-112_	158.10	0.43	0.83	0.03	0.10	0.00	0.67	614.00	17.00	610.00	16.00	616.00	46.00	610.00	16.00	0.65	
Oroelfan_J122-113_	148.00	1.27	1.20	0.02	0.13	0.00	0.60	799.00	11.00	788.00	16.00	849.00	42.00	788.00	16.00	1.38	
Oroelfan_J122-114_	289.10	1.88	0.34	0.01	0.04	0.00	0.21	298.30	7.20	277.40	6.60	474.00	70.00	277.40	6.60	7.01	
Oroelfan_J122-115_	70.40	1.26	0.93	0.02	0.10	0.00	0.27	664.00	12.00	640.00	12.00	740.00	60.00	640.00	12.00	3.61	
Oroelfan_J122-116_	1390.00	100.00	0.87	0.02	0.10	0.00	0.78	637.00	13.00	642.00	13.00	629.00	37.00	642.00	13.00	0.78	
Oroelfan_J122-117_	378.00	1.82	0.35	0.01	0.05	0.00	0.23	303.70	4.20	301.70	4.80	320.00	41.00	301.70	4.80	0.66	
Oroelfan_J122-118_	319.90	1.29	5.26	0.12	0.34	0.01	0.76	1860.00	19.00	1862.00	35.00	1884.00	30.00	1884.00	30.00	1.17	
Oroelfan_J122-119_	268.00	1.96	1.73	0.03	0.17	0.00	0.70	1019.00	11.00	1011.00	16.00	1019.00	27.00	1019.00	27.00	0.79	
Oroelfan_J122-120_	163.30	2.42	1.02	0.02	0.12	0.00	0.60	714.00	10.00	724.00	17.00	679.00	45.00	724.00	17.00	1.40	
Oroelfan_J117_1_	425.00	7.64	0.66	0.01	0.09	0.00	0.42	512.70	5.90	526.50	7.00	455.00	35.00	526.50	7.00	2.69	
Oroelfan_J117_2_	257.00	1.30	6.66	0.05	0.40	0.00	0.45	2066.80	7.00	2160.00	22.00	1970.00	21.00	1970.00	21.00	9.64	
Oroelfan_J117_3_	331.00	0.65	0.97	0.01	0.12	0.00	0.57	690.70	7.20	710.40	9.20	629.00	28.00	710.40	9.20	2.85	
Oroelfan_J117_4_	487.00	2.83	8.98	0.24	0.39	0.01	0.93	2336.00	25.00	2104.00	54.00	2551.00	18.00	2551.00	18.00	17.52	
Oroelfan_J117_5_	144.00	1.23	0.68	0.01	0.09	0.00	0.33	525.90	6.00	526.50	6.10	516.00	37.00	526.50	6.10	0.11	
Oroelfan_J117_6_	103.20	1.83	0.88	0.02	0.10	0.00	0.50	638.00	13.00	591.00	16.00	816.00	53.00	591.00	16.00	7.37	
Oroelfan_J117_7_	188.00	2.03	1.21	0.04	0.13	0.00	0.91	801.00	18.00	806.00	25.00	783.00	30.00	806.00	25.00	0.62	
Oroelfan_J117_8_	369.00	15.80	0.66	0.01	0.08	0.00	0.66	512.60	8.10	514.90	9.10	508.00	35.00	514.90	9.10	0.45	
Oroelfan_J117_9_	444.00	1.71	0.40	0.01	0.06	0.00	0.54	342.70	4.10	345.60	3.70	341.00	30.00	345.60	3.70	0.85	
Oroelfan_J117_10_	125.00	1.50	1.68	0.03	0.17	0.00	0.61	999.80	9.70	996.00	15.00	1020.00	24.00	1020.00	24.00	2.35	
Oroelfan_J117_11_	308.00	20.30	0.92	0.04	0.10	0.00	0.70	663.00	18.00	614.00	15.00	870.00	43.00	614.00	15.00	7.39	Rim
Oroelfan_J117_11_	140.00	1.15	1.91	0.05	0.19	0.01	0.74	1083.00	18.00	1117.00	32.00	990.00	51.00	990.00	51.00	12.83	Core
Oroelfan_J117_12_	455.00	1.03	0.42	0.00	0.06	0.00	0.39	353.60	3.50	358.50	4.30	314.00	31.00	358.50	4.30	1.39	
Oroelfan_J117_13_	229.00	26.00	0.84	0.03	0.10	0.00	0.18	618.00	15.00	588.00	22.00	760.00	90.00	588.00	22.00	4.85	Rim
Oroelfan_J117_13_	55.80	0.69	2.04	0.08	0.19	0.01	0.81	1134.00	30.00	1119.00	36.00	1131.00	54.00	1131.00	54.00	1.06	Core
Oroelfan_J117_14_	80.90	1.37	1.05	0.02	0.12	0.00	0.38	730.00	9.20	716.40	9.40	759.00	39.00	716.40	9.40	1.86	
Oroelfan_J117_15_	296.00	2.09	0.82	0.01	0.10	0.00	0.49	610.00	6.90	631.20	8.60	534.00	30.00	631.20	8.60	3.48	
Oroelfan_J117_16_	161.30	1.08	7.35	0.07	0.42	0.00	0.66	2155.70	8.40	2272.00	19.00	2052.00	13.00	2052.00	13.00	10.72	
Oroelfan_J117_17_	185.00	1.18	0.98	0.01	0.12	0.00	0.48	692.60	7.30	705.30	7.30	653.00	23.00	705.30	7.30	1.83	
Oroelfan_J117_18_	603.00	1.11	0.62	0.01	0.08	0.00	0.38	492.50	4.50	484.30	6.80	525.00	30.00	484.30	6.80	1.66	
Oroelfan_J117_19_	400.00	2.83	0.79	0.03	0.10	0.00	0.66	590.00	16.00	597.00	15.00	583.00	63.00	597.00	15.00	1.19	Rim
Oroelfan_J117_19_	108.70	1.42	10.45	0.33	0.49	0.01	0.86	2477.00	27.00	2551.00	50.00	2420.00	26.00	2420.00	26.00	5.41	Core
Oroelfan_J117_20_	318.00	159.00	0.92	0.04	0.11	0.01	0.56	660.00	21.00	655.00	36.00	684.00	86.00	655.00	36.00	0.76	Rim

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm							Age (Ma)		Age (Ma)		Age (Ma)		Age (Ma)		%	Core
Oroelfan_J17_20_	120.10	1.37	2.98	0.05	0.25	0.00	0.45	1403.00	12.00	1446.00	16.00	1344.00	26.00	1344.00	26.00	7.59	Core
Oroelfan_J17_21_	390.00	1.27	0.55	0.01	0.07	0.00	0.39	447.90	6.10	438.50	5.60	520.00	33.00	438.50	5.60	2.10	
Oroelfan_J17_22_	182.00	1.20	0.94	0.02	0.11	0.00	0.44	675.00	10.00	654.00	11.00	732.00	43.00	654.00	11.00	3.11	
Oroelfan_J17_23_	223.10	5.52	0.59	0.01	0.07	0.00	0.60	470.60	5.50	464.90	6.20	507.00	30.00	464.90	6.20	1.21	
Oroelfan_J17_24_	255.40	4.14	0.34	0.01	0.05	0.00	0.41	300.30	4.50	295.80	3.60	317.00	37.00	295.80	3.60	1.50	
Oroelfan_J17_25_	665.00	1.40	0.88	0.01	0.10	0.00	0.54	641.50	5.90	606.00	7.70	773.00	27.00	606.00	7.70	5.53	
Oroelfan_J17_26_	462.00	4.40	7.47	0.09	0.36	0.00	0.77	2170.00	11.00	1992.00	23.00	2335.00	15.00	2335.00	15.00	14.69	
Oroelfan_J17_27_	357.00	5.19	0.54	0.01	0.07	0.00	0.48	441.20	4.40	425.90	6.90	527.00	34.00	425.90	6.90	3.47	
Oroelfan_J17_28_	157.70	2.63	0.60	0.02	0.08	0.00	0.03	479.10	9.40	471.30	7.90	487.00	56.00	471.30	7.90	1.63	
Oroelfan_J17_29_	125.70	1.40	0.84	0.01	0.10	0.00	0.20	622.20	8.10	608.10	9.10	661.00	45.00	608.10	9.10	2.27	
Oroelfan_J17_30_	322.00	3.68	1.46	0.02	0.15	0.00	0.71	913.10	9.50	898.00	11.00	929.00	23.00	929.00	23.00	3.34	
Oroelfan_J17_31_	134.30	0.64	1.62	0.03	0.16	0.00	0.54	979.00	10.00	953.00	13.00	1026.00	29.00	1026.00	29.00	7.12	
Oroelfan_J17_32_	81.00	1.12	3.57	0.05	0.26	0.00	0.47	1543.10	9.90	1475.00	20.00	1627.00	26.00	1627.00	26.00	9.34	
Oroelfan_J17_33_	808.00	6.47	0.35	0.01	0.05	0.00	0.66	307.60	4.40	301.00	4.10	345.00	30.00	301.00	4.10	2.15	
Oroelfan_J17_34_	218.00	4.85	0.61	0.01	0.08	0.00	0.40	483.30	6.00	467.90	5.70	532.00	36.00	467.90	5.70	3.19	
Oroelfan_J17_35_	120.60	3.14	0.52	0.01	0.07	0.00	0.30	423.70	8.50	411.00	10.00	477.00	61.00	411.00	10.00	3.00	
Oroelfan_J17_36_	166.00	184.00	0.85	0.02	0.10	0.00	0.59	623.90	9.20	597.00	11.00	693.00	46.00	597.00	11.00	4.31	
Oroelfan_J17_37_	292.00	2.37	0.39	0.01	0.05	0.00	0.55	337.20	8.60	337.90	7.90	359.00	53.00	337.90	7.90	0.21	
Oroelfan_J17_39_	316.00	1.52	0.58	0.01	0.07	0.00	0.47	463.80	5.80	453.20	6.80	534.00	33.00	453.20	6.80	2.29	
Oroelfan_J17_40_	436.00	6.76	0.60	0.01	0.08	0.00	0.58	478.20	5.40	467.00	6.50	518.00	28.00	467.00	6.50	2.34	
Oroelfan_J17_41_	116.90	0.68	4.62	0.07	0.30	0.00	0.62	1752.00	12.00	1667.00	19.00	1865.00	22.00	1865.00	22.00	10.62	
Oroelfan_J17_42_	409.00	1.68	0.87	0.02	0.10	0.00	0.62	637.00	12.00	598.00	14.00	779.00	49.00	598.00	14.00	6.12	
Oroelfan_J17_43_	230.50	2.31	1.10	0.01	0.12	0.00	0.52	754.60	6.40	748.50	7.90	781.00	24.00	748.50	7.90	0.81	
Oroelfan_J17_44_	229.00	0.88	0.90	0.02	0.10	0.00	0.27	650.00	10.00	597.70	6.70	831.00	44.00	597.70	6.70	8.05	
Oroelfan_J17_45_	175.30	1.67	1.77	0.03	0.17	0.00	0.60	1038.30	9.00	1032.00	13.00	1060.00	23.00	1060.00	23.00	2.64	
Oroelfan_J17_46_	368.00	31.10	0.59	0.01	0.07	0.00	0.61	471.60	5.90	463.50	9.40	471.00	36.00	463.50	9.40	1.72	
Oroelfan_J17_47_	28.56	0.79	2.66	0.07	0.20	0.00	0.65	1316.00	18.00	1150.00	26.00	1608.00	42.00	1608.00	42.00	28.48	
Oroelfan_J17_48_	540.00	10.70	0.48	0.01	0.06	0.00	0.70	398.00	6.90	377.80	8.20	530.00	36.00	377.80	8.20	5.08	
Oroelfan_J17_49_	348.00	3.77	3.09	0.03	0.24	0.00	0.67	1430.90	6.70	1367.00	14.00	1514.00	16.00	1514.00	16.00	9.71	
Oroelfan_J17_50_	381.90	1.33	0.89	0.01	0.10	0.00	0.53	647.00	7.40	632.70	9.10	670.00	28.00	632.70	9.10	2.21	
Oroelfan_J17_51_	1034.00	3.06	0.38	0.01	0.05	0.00	0.72	326.00	5.10	319.30	6.80	391.00	31.00	319.30	6.80	2.06	
Oroelfan_J17_52_	142.80	0.80	5.93	0.10	0.35	0.01	0.76	1964.00	14.00	1941.00	27.00	1983.00	20.00	1983.00	20.00	2.12	
Oroelfan_J17_53_	390.00	3.43	0.33	0.01	0.05	0.00	0.42	291.20	3.90	284.90	5.10	336.00	45.00	284.90	5.10	2.16	
Oroelfan_J17_54_	187.00	1.35	5.90	0.09	0.35	0.01	0.69	1962.00	14.00	1936.00	32.00	1992.00	24.00	1992.00	24.00	2.81	
Oroelfan_J17_56_	759.00	196.00	0.38	0.03	0.05	0.00	0.73	326.00	19.00	330.00	22.00	350.00	120.00	330.00	22.00	1.23	Rim
Oroelfan_J17_56_	96.20	0.53	1.42	0.03	0.15	0.00	0.52	895.00	13.00	877.00	13.00	935.00	35.00	935.00	35.00	6.20	Core
Oroelfan_J17_57_	58.80	0.94	0.78	0.02	0.09	0.00	0.43	583.00	12.00	563.00	16.00	671.00	67.00	563.00	16.00	3.43	
Oroelfan_J17_58_	97.50	0.80	1.62	0.04	0.16	0.00	0.56	977.00	14.00	962.00	14.00	1006.00	38.00	1006.00	38.00	4.37	
Oroelfan_J17_59_	124.00	1.17	1.24	0.02	0.13	0.00	0.59	818.00	10.00	811.00	12.00	872.00	37.00	811.00	12.00	0.86	
Oroelfan_J17_60_	412.00	2.14	0.34	0.01	0.05	0.00	0.45	299.90	5.40	294.70	3.70	330.00	46.00	294.70	3.70	1.73	
Oroelfan_J17_61_	94.30	1.02	1.67	0.03	0.16	0.00	0.61	1001.00	12.00	981.00	14.00	1050.00	31.00	1050.00	31.00	6.57	
Oroelfan_J17_62_	114.70	0.94	0.88	0.02	0.10	0.00	0.32	640.90	8.70	632.80	8.80	703.00	47.00	632.80	8.80	1.26	
Oroelfan_J17_63_	241.00	1.14	0.85	0.01	0.10	0.00	0.62	625.00	5.90	622.70	7.60	644.00	25.00	622.70	7.60	0.37	
Oroelfan_J17_64_	794.00	1.78	0.37	0.01	0.05	0.00	0.72	319.30	7.10	317.30	7.20	319.00	45.00	317.30	7.20	0.63	
Oroelfan_J17_65_	300.00	2.08	0.59	0.01	0.08	0.00	0.41	470.30	5.20	469.80	6.00	483.00	31.00	469.80	6.00	0.11	
Oroelfan_J17_66_	612.00	1.91	0.38	0.01	0.05	0.00	0.51	325.00	5.50	294.10	5.10	536.00	39.00	294.10	5.10	9.51	
Oroelfan_J17_67_	117.20	1.80	0.77	0.01	0.09	0.00	0.45	581.00	8.10	577.70	6.60	594.00	37.00	577.70	6.60	0.57	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm							Age (Ma)		Age (Ma)		Age (Ma)		Age (Ma)		%	
Oroelfan_J17_68_	215.00	45.00	0.92	0.03	0.10	0.00	0.63	663.00	16.00	643.00	25.00	745.00	81.00	643.00	25.00	3.02	Rim
Oroelfan_J17_68_	74.30	1.50	1.59	0.05	0.15	0.00	0.65	964.00	21.00	928.00	24.00	1038.00	53.00	1038.00	53.00	10.60	Core
Oroelfan_J17_69_	793.00	28.60	0.41	0.05	0.05	0.00	0.58	350.80	5.20	333.10	7.30	464.00	41.00	333.10	7.30	5.05	
Oroelfan_J17_70_	255.00	0.99	0.92	0.01	0.11	0.00	0.68	661.60	7.00	660.00	11.00	673.00	26.00	660.00	11.00	0.24	
Oroelfan_J17_71_	163.90	1.96	6.15	0.08	0.35	0.01	0.54	1996.00	11.00	1919.00	27.00	2081.00	23.00	2081.00	23.00	7.78	
Oroelfan_J17_72_	519.00	2.82	0.40	0.01	0.05	0.00	0.36	343.50	4.80	331.40	4.20	402.00	46.00	331.40	4.20	3.52	
Oroelfan_J17_73_	288.00	8.67	0.59	0.01	0.08	0.00	0.52	472.30	5.70	477.70	7.50	460.00	31.00	477.70	7.50	1.14	
Oroelfan_J17_74_	493.00	2.86	0.59	0.01	0.07	0.00	0.58	470.60	7.10	465.20	7.50	516.00	36.00	465.20	7.50	1.15	
Oroelfan_J17_75_	181.70	1.14	7.15	0.19	0.39	0.01	0.39	2129.00	25.00	2126.00	48.00	2137.00	46.00	2137.00	46.00	0.51	
Oroelfan_J17_76_	265.00	1.49	0.94	0.02	0.11	0.00	0.62	672.50	9.90	659.00	13.00	720.00	37.00	659.00	13.00	2.01	
Oroelfan_J17_77_	282.00	3.00	0.62	0.01	0.08	0.00	0.50	491.50	5.10	485.60	6.50	507.00	30.00	485.60	6.50	1.20	
Oroelfan_J17_78_	870.00	5.05	0.36	0.00	0.05	0.00	0.45	315.10	2.00	313.30	2.80	324.00	21.00	313.30	2.80	0.57	
Oroelfan_J17_79_	172.10	0.97	27.12	0.28	0.66	0.01	0.68	3393.00	10.00	3247.00	35.00	3472.00	14.00	3472.00	14.00	6.48	
Oroelfan_J17_80_	274.30	2.36	1.80	0.03	0.18	0.00	0.67	1046.00	11.00	1056.00	20.00	1012.00	30.00	1012.00	30.00	4.35	
Oroelfan_J17_81_	59.90	2.03	0.95	0.02	0.10	0.00	0.47	679.00	12.00	616.00	11.00	890.00	47.00	616.00	11.00	9.28	
Oroelfan_J17_82_	395.00	0.56	0.85	0.02	0.09	0.00	0.70	624.00	10.00	582.00	11.00	786.00	35.00	582.00	11.00	6.73	
Oroelfan_J17_83_	446.00	11.70	0.58	0.01	0.07	0.00	0.61	465.00	4.40	464.40	6.50	487.00	30.00	464.40	6.50	0.13	
Oroelfan_J17_84_	324.00	1.27	0.51	0.01	0.07	0.00	0.65	417.40	5.20	417.40	6.70	431.00	28.00	417.40	6.70	0.50	
Oroelfan_J17_85_	321.30	1.79	0.36	0.01	0.05	0.00	0.47	308.60	4.80	305.00	5.00	330.00	40.00	305.00	5.00	1.17	
Oroelfan_J17_86_	268.00	1.39	0.45	0.01	0.06	0.00	0.41	373.60	5.20	376.30	5.30	354.00	41.00	376.30	5.30	0.72	
Oroelfan_J17_87_	572.00	7.40	0.92	0.02	0.10	0.00	0.69	663.00	11.00	636.00	15.00	750.00	43.00	636.00	15.00	4.07	
Oroelfan_J17_88_	241.00	1.62	1.24	0.02	0.13	0.00	0.65	816.70	7.30	815.00	12.00	823.00	25.00	815.00	12.00	0.21	
Oroelfan_J17_89_	226.00	1.35	0.87	0.02	0.10	0.00	0.64	633.00	11.00	625.00	15.00	701.00	44.00	625.00	15.00	1.26	
Oroelfan_J17_90_	454.00	4.64	0.37	0.01	0.05	0.00	0.72	322.50	5.80	317.80	6.30	358.00	37.00	317.80	6.30	1.46	
Oroelfan_J17_91_	544.00	4.85	0.90	0.01	0.10	0.00	0.46	651.50	5.70	636.30	8.00	703.00	26.00	636.30	8.00	2.33	
Oroelfan_J17_92_	133.80	1.33	0.87	0.02	0.10	0.00	0.44	634.30	8.30	640.00	11.00	598.00	48.00	640.00	11.00	0.90	
Oroelfan_J17_93_	130.20	0.46	6.08	0.15	0.35	0.01	0.84	1986.00	22.00	1955.00	55.00	2004.00	31.00	2004.00	31.00	2.45	
Oroelfan_J17_94_	426.00	5.00	0.56	0.01	0.07	0.00	0.68	451.30	8.70	430.00	9.70	551.00	40.00	430.00	9.70	4.72	
Oroelfan_J17_95_	436.00	1.72	0.51	0.01	0.07	0.00	0.43	416.30	6.00	407.10	6.90	469.00	42.00	407.10	6.90	2.21	
Oroelfan_J17_96_	406.00	0.87	10.95	0.21	0.45	0.01	0.86	2523.00	18.00	2373.00	35.00	2643.00	13.00	2643.00	13.00	10.22	
Oroelfan_J17_97_	560.00	2.56	0.40	0.00	0.05	0.00	0.50	339.40	3.50	341.40	3.80	316.00	27.00	341.40	3.80	0.59	
Oroelfan_J17_98_	361.00	8.19	0.61	0.01	0.08	0.00	0.47	480.70	6.50	484.20	7.50	471.00	36.00	484.20	7.50	0.73	
Oroelfan_J17_99_	73.70	1.77	0.69	0.01	0.08	0.00	0.35	534.00	7.90	522.70	9.00	583.00	43.00	522.70	9.00	2.12	
Oroelfan_J17_100_	77.00	0.89	0.83	0.02	0.10	0.00	0.16	614.10	8.80	600.20	6.90	671.00	45.00	600.20	6.90	2.26	
Oroelfan_J17_101_	384.00	1.33	0.41	0.01	0.05	0.00	0.10	348.10	4.00	340.50	3.80	397.00	37.00	340.50	3.80	2.18	
Oroelfan_J17_102_	150.30	1.25	3.45	0.05	0.27	0.00	0.66	1515.00	11.00	1524.00	20.00	1495.00	23.00	1495.00	23.00	1.94	
Oroelfan_J17_103_	664.00	9.57	0.86	0.01	0.10	0.00	0.62	630.60	4.50	629.90	5.60	624.00	20.00	629.90	5.60	0.11	
Oroelfan_J17_104_	207.80	5.71	0.78	0.02	0.09	0.00	0.45	583.00	11.00	571.50	8.30	633.00	56.00	571.50	8.30	1.97	
Oroelfan_J17_105_	286.00	0.96	0.78	0.01	0.09	0.00	0.43	583.00	7.80	566.80	7.80	648.00	39.00	566.80	7.80	2.78	
Oroelfan_J17_106_	360.00	2.66	0.95	0.02	0.11	0.00	0.65	678.00	8.10	693.00	12.00	693.00	33.00	670.00	12.00	1.18	
Oroelfan_J17_107_	665.00	1.24	0.72	0.01	0.09	0.00	0.51	550.00	5.70	543.20	6.30	593.00	27.00	543.20	6.30	1.24	
Oroelfan_J17_108_	231.00	1.88	1.19	0.02	0.13	0.00	0.56	796.60	8.50	769.00	11.00	878.00	29.00	769.00	11.00	3.46	
Oroelfan_J17_109_	240.00	1.96	0.43	0.01	0.06	0.00	0.53	360.30	7.90	355.60	8.00	378.00	49.00	355.60	8.00	1.30	
Oroelfan_J17_110_	383.00	1.31	0.41	0.01	0.05	0.00	0.22	347.50	9.00	310.60	4.40	607.00	68.00	DISC	DISC	10.62	
Oroelfan_J17_111_	661.00	23.50	0.76	0.04	0.08	0.00	0.41	516.00	24.00	516.00	18.00	830.00	110.00	DISC	DISC	10.42	
Oroelfan_J17_112_	534.00	2.41	0.36	0.01	0.05	0.00	0.62	314.00	4.30	315.90	4.60	305.00	35.00	315.90	4.60	0.61	
Oroelfan_J17_113_	427.00	3.63	0.58	0.01	0.07	0.00	0.49	460.40	7.20	458.60	5.70	491.00	37.00	458.60	5.70	0.39	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm							Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	%	Core
Oroelfan JJ17_114	363.00	1.70	1.77	0.02	0.17	0.00	0.54	1034.40	6.10	1039.00	10.00	1033.00	18.00	1033.00	18.00	0.58	
Oroelfan JJ17_115	262.00	2.21	0.80	0.05	0.09	0.00	0.45	595.00	30.00	589.00	18.00	680.00	110.00	589.00	18.00	1.01	Rim
Oroelfan JJ17_115	258.90	1.17	4.96	0.12	0.31	0.01	0.84	1812.00	21.00	1714.00	52.00	1965.00	32.00	1965.00	32.00	12.77	Core
Oroelfan JJ17_116	313.00	8.20	0.92	0.01	0.11	0.00	0.33	659.80	5.00	667.00	6.80	675.00	27.00	667.00	6.80	1.09	
Oroelfan JJ17_117	253.00	4.11	0.86	0.02	0.10	0.00	0.68	630.00	12.00	632.00	18.00	658.00	52.00	632.00	18.00	0.32	
Oroelfan JJ17_118	446.00	7.05	0.64	0.01	0.08	0.00	0.47	501.10	4.30	507.20	5.00	505.00	24.00	507.20	5.00	1.22	
Oroelfan JJ17_119	181.10	8.26	3.45	0.06	0.27	0.00	0.88	1514.00	14.00	1535.00	25.00	1497.00	21.00	1497.00	21.00	2.54	
Oroelfan JJ17_120	441.00	2.33	0.38	0.01	0.05	0.00	0.53	327.40	6.60	326.50	7.30	360.00	52.00	326.50	7.30	0.27	
Campodarbe SP17_1	358.00	0.80	0.44	0.01	0.06	0.00	0.68	366.80	7.70	369.30	8.70	359.00	46.00	369.30	8.70	0.68	
Campodarbe SP17_2	80.20	3.88	0.78	0.03	0.09	0.00	0.33	589.00	16.00	582.00	14.00	544.00	84.00	582.00	14.00	1.19	
Campodarbe SP17_3	78.90	2.69	1.66	0.03	0.17	0.00	0.40	992.00	13.00	1005.00	17.00	961.00	43.00	961.00	43.00	4.58	
Campodarbe SP17_4	333.40	8.56	6.70	0.16	0.39	0.01	0.53	2069.00	21.00	2117.00	55.00	1996.00	45.00	1996.00	45.00	6.06	
Campodarbe SP17_5	207.00	1.16	0.95	0.02	0.11	0.00	0.63	676.00	12.00	679.00	15.00	653.00	43.00	679.00	15.00	0.44	
Campodarbe SP17_6	89.00	83.40	1.02	0.03	0.12	0.00	0.52	711.00	14.00	710.00	16.00	699.00	56.00	710.00	16.00	0.14	
Campodarbe SP17_7	277.00	1.17	0.45	0.01	0.06	0.00	0.18	374.80	4.90	388.40	4.80	281.00	45.00	388.40	4.80	3.63	
Campodarbe SP17_8	39.80	0.98	12.78	0.16	0.51	0.01	0.44	2665.00	12.00	2646.00	37.00	2665.00	29.00	2665.00	29.00	0.71	
Campodarbe SP17_9	336.00	1.47	1.82	0.03	0.18	0.00	0.69	1051.00	12.00	1052.00	23.00	1041.00	40.00	1041.00	40.00	1.06	
Campodarbe SP17_10	51.00	2.28	0.85	0.03	0.10	0.00	0.35	628.00	17.00	611.00	13.00	699.00	75.00	611.00	13.00	2.71	
Campodarbe SP17_11	273.30	10.74	0.64	0.02	0.08	0.00	0.63	503.00	15.00	516.00	17.00	462.00	84.00	516.00	17.00	2.58	
Campodarbe SP17_12	217.00	1.68	0.36	0.01	0.05	0.00	0.30	314.80	5.60	321.80	6.00	279.00	53.00	321.80	6.00	2.22	
Campodarbe SP17_13	378.00	2.61	0.38	0.01	0.05	0.00	0.41	328.70	5.70	328.50	6.60	344.00	54.00	328.50	6.60	0.06	
Campodarbe SP17_14	54.40	2.37	6.72	0.15	0.38	0.01	0.60	2074.00	20.00	2062.00	45.00	2101.00	46.00	2101.00	46.00	1.86	
Campodarbe SP17_15	31.80	1.01	0.99	0.04	0.11	0.00	0.30	697.00	22.00	694.00	17.00	778.00	90.00	694.00	17.00	0.43	
Campodarbe SP17_16	200.90	0.68	0.90	0.03	0.11	0.00	0.61	650.00	15.00	647.00	19.00	659.00	64.00	647.00	19.00	0.46	
Campodarbe SP17_17	578.00	1.24	0.43	0.01	0.06	0.00	0.33	365.60	5.30	374.60	6.20	318.00	44.00	374.60	6.20	2.46	
Campodarbe SP17_18	752.00	3.38	0.36	0.01	0.05	0.00	0.19	313.80	7.20	322.20	5.90	250.00	64.00	322.20	5.90	2.68	
Campodarbe SP17_19	155.00	1.56	0.90	0.02	0.11	0.00	0.45	653.00	11.00	675.00	12.00	574.00	46.00	675.00	12.00	3.37	
Campodarbe SP17_20	141.00	1.54	1.71	0.03	0.17	0.00	0.56	1014.00	11.00	1011.00	15.00	1034.00	28.00	1034.00	28.00	2.22	
Campodarbe SP17_21	60.60	1.42	0.77	0.04	0.09	0.00	0.62	575.00	24.00	563.00	18.00	620.00	110.00	563.00	18.00	2.09	
Campodarbe SP17_22	61.90	8.28	0.98	0.03	0.11	0.00	0.15	695.00	14.00	684.00	15.00	729.00	65.00	684.00	15.00	1.58	
Campodarbe SP17_23	518.00	2.71	0.80	0.01	0.10	0.00	0.63	597.60	6.70	593.50	8.00	591.00	31.00	593.50	8.00	0.69	
Campodarbe SP17_24	644.00	11.60	0.53	0.01	0.07	0.00	0.66	429.50	7.90	426.90	9.40	435.00	41.00	426.90	9.40	0.61	
Campodarbe SP17_25	359.00	2.52	2.05	0.05	0.19	0.00	0.76	1129.00	15.00	1100.00	26.00	1128.00	37.00	1128.00	37.00	2.48	
Campodarbe SP17_26	76.30	1.13	0.84	0.03	0.10	0.00	0.21	622.00	14.00	605.00	11.00	655.00	72.00	605.00	11.00	2.73	
Campodarbe SP17_27	403.00	1.25	1.14	0.02	0.13	0.00	0.71	772.10	8.50	767.00	13.00	756.00	25.00	767.00	13.00	0.66	
Campodarbe SP17_29	138.60	0.83	1.66	0.03	0.17	0.00	0.46	996.00	11.00	1005.00	15.00	962.00	36.00	962.00	36.00	4.47	
Campodarbe SP17_30	288.00	2.85	0.38	0.01	0.05	0.00	0.23	325.70	7.10	324.10	4.70	301.00	54.00	324.10	4.70	0.49	
Campodarbe SP17_31	162.00	2.35	0.65	0.01	0.08	0.00	0.28	510.20	8.60	503.50	8.50	525.00	51.00	503.50	8.50	1.31	
Campodarbe SP17_32	66.00	0.93	0.94	0.03	0.11	0.00	0.30	674.00	14.00	669.00	12.00	695.00	61.00	669.00	12.00	0.74	
Campodarbe SP17_33	240.00	10.92	0.57	0.02	0.07	0.00	0.55	455.00	12.00	450.00	12.00	443.00	69.00	450.00	12.00	1.10	
Campodarbe SP17_34	298.00	2.55	0.37	0.01	0.05	0.00	0.39	319.00	5.50	320.60	5.70	320.00	54.00	320.60	5.70	0.50	
Campodarbe SP17_35	1056.00	1.46	0.42	0.01	0.06	0.00	0.54	355.70	4.90	345.60	4.90	428.00	32.00	345.60	4.90	2.84	
Campodarbe SP17_36	1071.00	3.37	0.53	0.01	0.07	0.00	0.50	428.50	9.20	431.00	11.00	443.00	62.00	431.00	11.00	0.58	
Campodarbe SP17_37	122.60	2.14	0.72	0.02	0.09	0.00	0.09	550.00	11.00	525.80	8.20	646.00	64.00	525.80	8.20	4.40	
Campodarbe SP17_38	1202.00	11.97	0.46	0.02	0.06	0.00	0.16	385.00	13.00	378.00	12.00	450.00	120.00	378.00	12.00	1.82	
Campodarbe SP17_39	124.40	1.95	0.68	0.02	0.08	0.00	0.13	527.00	13.00	498.00	10.00	657.00	85.00	498.00	10.00	5.50	
Campodarbe SP17_40	442.00	62.00	0.45	0.03	0.06	0.00	0.44	386.00	27.00	376.00	18.00	410.00	190.00	376.00	18.00	2.59	Rim

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim /
	ppm			Age (Ma)		Age (Ma)		Age (Ma)		Age (Ma)		Age (Ma)		Age (Ma)		%	Core
Campodarbe_SP17_40	144.20	1.49	0.99	0.02	0.11	0.00	0.49	701.00	12.00	699.00	14.00	725.00	48.00	699.00	14.00	0.29	Core
Campodarbe_SP17_41	267.00	7.79	2.02	0.04	0.19	0.00	0.51	1123.00	12.00	1133.00	23.00	1086.00	39.00	1086.00	39.00	4.33	Core
Campodarbe_SP17_42	439.00	18.00	0.66	0.01	0.08	0.00	0.45	516.20	6.40	519.30	6.80	506.00	34.00	519.30	6.80	0.60	
Campodarbe_SP17_44	309.00	2.81	1.09	0.03	0.12	0.00	0.70	748.00	12.00	757.00	13.00	739.00	36.00	757.00	13.00	1.20	
Campodarbe_SP17_45	73.80	1.35	3.61	0.18	0.25	0.01	0.87	1564.00	44.00	1421.00	55.00	1767.00	56.00	1767.00	56.00	19.58	
Campodarbe_SP17_46	125.70	0.56	0.75	0.02	0.09	0.00	0.34	566.20	9.30	565.00	11.00	583.00	52.00	565.00	11.00	0.21	
Campodarbe_SP17_48	401.00	1.56	0.45	0.01	0.06	0.00	0.19	380.60	5.20	371.00	4.90	400.00	45.00	371.00	4.90	2.52	
Campodarbe_SP17_49	547.00	18.30	0.47	0.01	0.06	0.00	0.64	392.00	5.80	389.00	5.50	400.00	33.00	389.00	5.50	0.77	
Campodarbe_SP17_50	290.00	4.03	0.99	0.03	0.11	0.00	0.42	700.00	14.00	662.00	14.00	813.00	65.00	662.00	14.00	5.43	
Campodarbe_SP17_51	114.00	1.28	11.84	0.19	0.49	0.01	0.55	2591.00	15.00	2591.00	33.00	2581.00	24.00	2581.00	24.00	0.39	
Campodarbe_SP17_52	399.00	2.05	0.39	0.01	0.05	0.00	0.41	334.50	6.00	334.40	6.30	335.00	55.00	334.40	6.30	0.03	
Campodarbe_SP17_54	125.00	1.43	0.43	0.01	0.06	0.00	0.05	364.80	7.90	363.10	6.70	366.00	73.00	363.10	6.70	0.47	
Campodarbe_SP17_55	101.50	2.06	7.78	0.24	0.40	0.01	0.72	2207.00	29.00	2171.00	56.00	2230.00	43.00	2230.00	43.00	2.65	
Campodarbe_SP17_47	171.00	2.80	1.10	0.02	0.12	0.00	0.52	754.00	11.00	754.00	15.00	770.00	52.00	754.00	15.00	0.00	
Campodarbe_SP17_56	112.70	1.17	1.72	0.04	0.17	0.00	0.54	1016.00	13.00	1020.00	25.00	1002.00	44.00	1002.00	44.00	1.80	
Campodarbe_SP17_57	310.00	2.09	5.38	0.11	0.34	0.01	0.65	1882.00	19.00	1871.00	31.00	1897.00	30.00	1897.00	30.00	1.37	
Campodarbe_SP17_58	337.00	4.36	0.63	0.01	0.08	0.00	0.59	498.10	5.80	500.60	6.80	504.00	31.00	500.60	6.80	0.50	
Campodarbe_SP17_59	175.00	4.64	0.60	0.02	0.08	0.00	0.39	474.70	9.90	483.00	11.00	453.00	60.00	483.00	11.00	1.75	
Campodarbe_SP17_60	116.00	1.53	5.71	0.11	0.35	0.01	0.70	1933.00	17.00	1954.00	32.00	1915.00	26.00	1915.00	26.00	2.04	
Campodarbe_SP17_62	183.20	2.51	7.29	0.11	0.40	0.01	0.73	2147.00	13.00	2147.00	24.00	2149.00	18.00	2149.00	18.00	0.09	
Campodarbe_SP17_63	280.70	1.42	0.46	0.01	0.06	0.00	0.46	385.20	6.90	385.60	6.70	380.00	44.00	385.60	6.70	0.10	
Campodarbe_SP17_64	259.20	2.62	0.37	0.01	0.05	0.00	0.22	516.20	6.70	312.30	5.50	354.00	59.00	312.30	5.50	1.23	
Campodarbe_SP17_65	134.00	1.92	0.64	0.01	0.08	0.00	0.12	303.30	8.90	508.40	7.40	496.00	62.00	508.40	7.40	1.01	
Campodarbe_SP17_66	201.00	1.99	0.43	0.01	0.05	0.00	0.27	360.40	9.30	321.90	6.00	682.00	75.00	DISC	DISC	10.68	
Campodarbe_SP17_67	469.00	3.02	0.61	0.01	0.08	0.00	0.59	485.90	8.40	491.00	10.00	491.00	44.00	491.00	10.00	1.05	
Campodarbe_SP17_68	544.00	1.41	0.38	0.01	0.05	0.00	0.41	330.50	4.70	334.80	5.20	333.00	39.00	334.80	5.20	1.30	
Campodarbe_SP17_69	773.00	4.85	0.89	0.02	0.11	0.00	0.75	647.00	11.00	662.00	15.00	574.00	33.00	662.00	15.00	2.32	
Campodarbe_SP17_70	881.00	2.22	0.36	0.01	0.05	0.00	0.16	312.90	4.30	314.50	4.20	309.00	39.00	314.50	4.20	0.51	
Campodarbe_SP17_71	158.00	15.30	1.01	0.07	0.11	0.01	0.68	708.00	35.00	693.00	33.00	710.00	100.00	693.00	33.00	2.12	Rim
Campodarbe_SP17_71	208.00	1.07	4.33	0.10	0.29	0.01	0.50	1698.00	19.00	1618.00	28.00	1786.00	48.00	1786.00	48.00	9.41	Core
Campodarbe_SP17_73	170.00	5.63	0.61	0.02	0.08	0.00	0.46	482.90	9.50	483.60	9.90	460.00	56.00	483.60	9.90	0.14	
Campodarbe_SP17_74	103.00	1.07	17.21	0.32	0.58	0.01	0.66	2946.00	17.00	2926.00	48.00	2973.00	26.00	2973.00	26.00	1.58	
Campodarbe_SP17_75	438.00	1.05	0.46	0.01	0.06	0.00	0.60	383.80	9.30	381.20	9.50	402.00	57.00	381.20	9.50	0.68	
Campodarbe_SP17_76	823.00	64.00	0.44	0.01	0.06	0.00	0.44	366.50	7.30	365.30	5.80	385.00	53.00	365.30	5.80	0.33	Rim
Campodarbe_SP17_76	36.80	1.06	0.89	0.07	0.11	0.01	0.19	644.00	37.00	683.00	36.00	590.00	190.00	683.00	36.00	6.06	Core
Campodarbe_SP17_77	144.70	2.17	0.62	0.01	0.08	0.00	0.46	486.80	8.50	486.50	9.70	481.00	50.00	486.50	9.70	0.06	
Campodarbe_SP17_78	241.00	2.91	0.66	0.03	0.06	0.00	0.40	514.00	21.00	403.00	7.80	1027.00	89.00	DISC	DISC	21.60	
Campodarbe_SP17_79	153.90	2.05	0.88	0.02	0.10	0.00	0.27	639.30	9.20	636.00	11.00	630.00	47.00	636.00	11.00	0.52	
Campodarbe_SP17_80	511.00	1.85	0.95	0.02	0.11	0.00	0.71	678.50	7.90	673.00	14.00	656.00	33.00	673.00	14.00	0.81	
Campodarbe_SP17_81	569.00	3.57	0.38	0.01	0.05	0.00	0.56	327.60	5.50	324.00	5.40	317.00	40.00	324.00	5.40	1.10	
Campodarbe_SP17_83	273.00	1.86	0.37	0.01	0.05	0.00	0.33	319.80	7.40	321.70	5.70	275.00	57.00	321.70	5.70	0.59	
Campodarbe_SP17_84	262.00	2.71	0.65	0.02	0.08	0.00	0.40	507.00	11.00	498.00	13.00	575.00	59.00	498.00	13.00	1.78	
Campodarbe_SP17_85	331.00	177.00	0.38	0.02	0.05	0.00	0.21	325.00	14.00	325.00	13.00	290.00	120.00	325.00	13.00	0.00	Rim
Campodarbe_SP17_85	192.00	0.72	0.87	0.02	0.10	0.00	0.41	636.00	11.00	642.00	14.00	637.00	55.00	642.00	14.00	0.94	Core
Campodarbe_SP17_87	42.10	0.80	7.21	0.14	0.39	0.01	0.59	2137.00	17.00	2148.00	38.00	2108.00	27.00	2108.00	27.00	1.90	
Campodarbe_SP17_88	61.30	0.84	1.41	0.07	0.15	0.00	0.49	902.00	29.00	888.00	27.00	911.00	88.00	911.00	88.00	2.52	
Campodarbe_SP17_89	456.00	3.96	0.38	0.01	0.05	0.00	0.46	330.30	6.70	328.60	7.10	356.00	52.00	328.60	7.10	0.51	

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error Age (Ma)	206/238 Age (Ma)	2σ error Age (Ma)	207/206 Age (Ma)	2σ error Age (Ma)	Best age Age (Ma)	2σ error Age (Ma)	Discordance %	Rim / Core
Campodarbe_SP17_90	146.90	32.90	0.91	0.02	0.11	0.00	0.62	658.00	11.00	666.00	14.00	631.00	43.00	666.00	14.00	1.22	
Campodarbe_SP17_91	1077.00	19.90	0.47	0.01	0.06	0.00	0.60	390.80	6.20	391.70	6.80	379.00	36.00	391.70	6.80	0.23	
Campodarbe_SP17_92	740.00	174.00	0.44	0.01	0.06	0.00	0.20	369.50	8.60	378.00	14.00	350.00	120.00	378.00	14.00	2.30	Rim
Campodarbe_SP17_92	260.00	1.48	0.83	0.02	0.10	0.00	0.23	615.30	8.80	616.70	8.90	610.00	51.00	616.70	8.90	0.23	Core
Campodarbe_SP17_93	538.00	10.39	0.64	0.02	0.08	0.00	0.55	502.00	12.00	500.00	13.00	527.00	64.00	500.00	13.00	0.40	
Campodarbe_SP17_94	89.00	1.85	0.73	0.03	0.09	0.00	0.53	559.00	16.00	553.00	16.00	607.00	72.00	553.00	16.00	1.07	
Campodarbe_SP17_95	152.60	1.79	0.80	0.02	0.10	0.00	0.25	599.50	9.80	605.00	10.00	574.00	56.00	605.00	10.00	0.92	
Campodarbe_SP17_96	62.80	0.73	0.77	0.03	0.09	0.00	0.39	580.00	19.00	562.00	16.00	644.00	87.00	562.00	16.00	3.10	
Campodarbe_SP17_97	276.00	2.12	0.36	0.02	0.04	0.00	0.61	315.00	16.00	272.00	19.00	670.00	110.00	DISC	DISC	13.65	
Campodarbe_SP17_98	383.00	0.97	0.71	0.01	0.09	0.00	0.49	544.90	7.00	540.70	9.30	548.00	40.00	540.70	9.30	0.77	
Campodarbe_SP17_99	1046.00	2.61	0.81	0.02	0.09	0.00	0.60	601.40	9.10	576.00	12.00	673.00	42.00	576.00	12.00	4.22	
Campodarbe_SP17_100	333.00	2.48	0.44	0.02	0.05	0.00	0.35	370.00	12.00	320.90	6.40	636.00	80.00	DISC	DISC	13.27	
Campodarbe_SP17_101	152.70	3.27	0.64	0.02	0.08	0.00	0.16	501.00	10.00	513.00	12.00	447.00	63.00	513.00	12.00	2.40	
Campodarbe_SP17_102	1050.00	1.27	0.42	0.01	0.06	0.00	0.52	356.80	6.10	350.10	6.90	415.00	44.00	350.10	6.90	1.88	
Campodarbe_SP17_103	205.00	1.40	1.67	0.05	0.16	0.01	0.16	995.00	17.00	947.00	28.00	1104.00	66.00	1104.00	66.00	14.22	
Campodarbe_SP17_104	429.40	1.01	1.84	0.03	0.18	0.00	0.51	1060.50	8.90	1061.00	13.00	1056.00	27.00	1056.00	27.00	0.47	
Campodarbe_SP17_105	104.90	1.58	1.93	0.05	0.18	0.01	0.58	1091.00	18.00	1069.00	31.00	1107.00	50.00	1107.00	50.00	3.43	
Campodarbe_SP17_106	364.00	2.74	0.38	0.01	0.05	0.00	0.19	327.70	5.30	321.70	5.60	369.00	51.00	321.70	5.60	1.83	
Campodarbe_SP17_108	179.00	2.97	0.92	0.02	0.11	0.00	0.33	661.00	12.00	655.00	12.00	678.00	51.00	655.00	12.00	0.91	
Campodarbe_SP17_109	310.00	1.97	0.46	0.01	0.06	0.00	0.51	383.70	7.50	380.70	8.80	380.00	50.00	380.70	8.80	0.78	
Campodarbe_SP17_110	256.00	2.41	1.06	0.02	0.12	0.00	0.54	735.00	11.00	743.00	17.00	663.00	48.00	743.00	17.00	1.09	
Campodarbe_SP17_111	879.00	2.02	0.45	0.01	0.06	0.00	0.38	380.00	7.40	377.50	6.80	331.00	61.00	377.50	6.80	0.66	
Campodarbe_SP17_113	400.00	2.93	0.80	0.02	0.10	0.00	0.59	599.70	8.70	596.00	11.00	597.00	38.00	596.00	11.00	0.62	
Campodarbe_SP17_114	139.90	4.44	0.64	0.01	0.08	0.00	0.53	502.10	8.40	498.30	8.60	474.00	42.00	498.30	8.60	0.76	
Campodarbe_SP17_115	134.80	0.80	2.02	0.06	0.20	0.01	0.64	1117.00	22.00	1151.00	30.00	996.00	47.00	996.00	47.00	15.56	
Campodarbe_SP17_116	70.70	1.44	6.37	0.14	0.37	0.01	0.70	2028.00	19.00	2027.00	40.00	2013.00	35.00	2013.00	35.00	0.70	
Campodarbe_SP17_118	333.00	2.71	0.66	0.01	0.08	0.00	0.51	516.30	6.70	522.30	6.90	455.00	33.00	522.30	6.90	1.16	
Campodarbe_SP17_119	83.00	2.80	0.79	0.03	0.10	0.00	0.52	587.00	14.00	585.00	19.00	655.00	68.00	585.00	19.00	0.34	
Campodarbe_SP17_120	200.00	1.13	0.84	0.01	0.10	0.00	0.46	620.00	7.80	621.00	13.00	606.00	48.00	621.00	13.00	0.16	
SanJuanfan_SP1_1	130.50	1.11	0.78	0.02	0.09	0.00	0.69	583.00	11.00	560.00	11.00	646.00	45.00	560.00	11.00	3.95	
SanJuanfan_SP1_2	306.00	2.65	0.76	0.04	0.09	0.00	0.65	571.00	22.00	555.00	28.00	824.00	79.00	555.00	28.00	2.80	Rim
SanJuanfan_SP1_2	283.10	2.67	0.67	0.09	0.13	0.00	0.27	511.00	49.00	797.00	20.00	1160.00	120.00	DISC	DISC	55.97	Core
SanJuanfan_SP1_3	201.10	0.28	0.86	0.02	0.10	0.00	0.40	630.00	9.60	625.00	11.00	628.00	40.00	625.00	11.00	0.79	
SanJuanfan_SP1_4	151.00	0.69	0.96	0.04	0.11	0.00	0.00	682.00	18.00	701.00	14.00	866.00	79.00	701.00	14.00	2.79	
SanJuanfan_SP1_5	61.40	2.29	0.60	0.02	0.08	0.00	0.31	477.00	13.00	486.00	13.00	431.00	84.00	486.00	13.00	1.89	
SanJuanfan_SP1_6	481.00	8.43	0.89	0.01	0.11	0.00	0.70	644.70	6.50	652.50	9.40	617.00	22.00	652.50	9.40	1.21	
SanJuanfan_SP1_8	372.00	2.86	1.81	0.03	0.18	0.00	0.52	1049.00	11.00	1051.00	17.00	1025.00	29.00	1025.00	29.00	2.54	
SanJuanfan_SP1_9	602.00	1.82	1.31	0.02	0.14	0.00	0.68	851.60	9.70	872.00	12.00	803.00	48.00	803.00	12.00	2.40	
SanJuanfan_SP1_10	220.50	1.78	0.80	0.02	0.10	0.00	0.56	596.00	10.00	597.00	9.60	587.00	44.00	597.00	9.60	0.17	
SanJuanfan_SP1_11	352.00	1.73	0.99	0.02	0.11	0.00	0.62	696.00	10.00	700.00	13.00	658.00	41.00	700.00	13.00	0.57	
SanJuanfan_SP1_12	305.00	1.44	0.49	0.01	0.06	0.00	0.46	403.20	7.60	394.90	8.30	455.00	55.00	394.90	8.30	2.06	
SanJuanfan_SP1_13	58.70	1.83	0.72	0.04	0.09	0.00	0.46	558.00	23.00	526.00	15.00	660.00	100.00	526.00	15.00	5.73	
SanJuanfan_SP1_14	599.00	1.95	1.10	0.02	0.13	0.00	0.59	753.00	8.00	786.00	14.00	691.00	30.00	786.00	14.00	4.38	
SanJuanfan_SP1_15	100.90	1.48	0.97	0.03	0.12	0.00	0.36	688.00	13.00	702.00	13.00	628.00	59.00	702.00	13.00	2.03	
SanJuanfan_SP1_16	99.60	0.35	14.45	0.63	0.21	0.01	0.78	2781.00	44.00	1251.00	38.00	4227.00	35.00	DISC	DISC	70.40	
SanJuanfan_SP1_17	81.20	1.53	5.76	0.10	0.36	0.01	0.62	1938.00	16.00	2003.00	34.00	1911.00	33.00	1911.00	33.00	4.81	
SanJuanfan_SP1_18	388.00	10.91	0.78	0.01	0.10	0.00	0.53	585.70	6.20	602.60	9.60	543.00	31.00	602.60	9.60	2.89	

Annex 4: dades d'U-Pb en zircons detrítics

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error Age (Ma)	206/238 Age (Ma)	2σ error Age (Ma)	207/206 Age (Ma)	2σ error Age (Ma)	Best age Age (Ma)	2σ error Age (Ma)	Discordance %	Rim / Core
SanJuanfan_SP1_19_	63.80	0.88	1.73	0.04	0.17	0.00	0.50	1018.00	15.00	1034.00	19.00	1017.00	38.00	1017.00	38.00	1.67	
SanJuanfan_SP1_20_	167.50	3.86	0.95	0.02	0.11	0.00	0.58	676.00	13.00	683.00	14.00	659.00	48.00	683.00	14.00	1.09	
SanJuanfan_SP1_21_	196.70	0.76	5.61	0.06	0.36	0.00	0.78	1916.10	9.20	1965.00	21.00	1877.00	16.00	1877.00	16.00	4.69	
SanJuanfan_SP1_22_	355.00	1.52	0.38	0.01	0.05	0.00	0.60	324.50	7.20	315.30	9.00	402.00	47.00	315.30	9.00	2.84	
SanJuanfan_SP1_23_	189.80	9.90	0.87	0.04	0.10	0.00	0.26	632.00	23.00	634.00	17.00	650.00	110.00	634.00	17.00	0.32	Rim
SanJuanfan_SP1_23_	128.10	0.75	1.89	0.08	0.18	0.01	0.68	1076.00	27.00	1076.00	32.00	1115.00	51.00	1115.00	51.00	3.50	Core
SanJuanfan_SP1_24_	289.00	2.77	0.86	0.02	0.10	0.00	0.65	633.00	11.00	637.00	16.00	632.00	46.00	637.00	16.00	0.95	
SanJuanfan_SP1_25_	880.00	2.18	0.39	0.01	0.05	0.00	0.38	631.90	4.60	339.00	4.50	331.00	37.00	339.00	4.50	1.53	
SanJuanfan_SP1_26_	149.60	2.23	0.87	0.04	0.11	0.00	0.46	633.00	22.00	663.00	13.00	580.00	100.00	663.00	13.00	4.74	
SanJuanfan_SP1_27_	363.00	3.13	0.30	0.01	0.04	0.00	0.34	264.10	8.70	242.60	8.40	493.00	82.00	242.60	8.40	8.14	
SanJuanfan_SP1_28_	230.20	0.59	1.58	0.05	0.15	0.00	0.67	961.00	20.00	909.00	23.00	1095.00	46.00	1095.00	46.00	16.99	
SanJuanfan_SP1_29_	98.60	0.62	1.98	0.05	0.20	0.00	0.61	1110.00	15.00	1158.00	24.00	1022.00	42.00	1022.00	42.00	13.31	
SanJuanfan_SP1_30_	74.30	0.59	1.93	0.04	0.20	0.00	0.52	1097.00	15.00	1150.00	19.00	1034.00	44.00	1034.00	44.00	11.22	
SanJuanfan_SP1_32_	566.00	2.33	0.46	0.01	0.06	0.00	0.37	385.70	5.20	391.60	6.50	349.00	45.00	391.60	6.50	1.53	
SanJuanfan_SP1_33_	1018.00	11.47	0.95	0.02	0.11	0.00	0.48	680.00	12.00	697.00	21.00	636.00	60.00	697.00	21.00	2.50	Rim
SanJuanfan_SP1_33_	431.00	3.81	2.40	0.13	0.19	0.01	0.81	1240.00	39.00	1122.00	74.00	1486.00	70.00	1486.00	70.00	24.50	Core
SanJuanfan_SP1_34_	732.00	1.45	0.36	0.01	0.05	0.00	0.44	309.60	4.80	302.80	4.30	356.00	41.00	302.80	4.30	2.20	
SanJuanfan_SP1_35_	271.80	1.50	0.95	0.08	0.10	0.00	0.38	671.00	38.00	602.00	18.00	890.00	140.00	DISC	DISC	10.28	
SanJuanfan_SP1_36_	169.00	2.16	0.73	0.02	0.09	0.00	0.36	556.00	12.00	580.00	15.00	465.00	79.00	580.00	15.00	4.32	
SanJuanfan_SP1_37_	408.00	2.97	0.37	0.01	0.05	0.00	0.47	323.20	5.70	325.00	6.20	326.00	42.00	325.00	6.20	0.56	
SanJuanfan_SP1_38_	188.80	4.32	1.40	0.10	0.09	0.00	0.29	886.00	42.00	554.00	18.00	1860.00	110.00	DISC	DISC	37.47	
SanJuanfan_SP1_39_	160.20	0.66	1.20	0.03	0.13	0.00	0.41	801.00	15.00	813.00	20.00	758.00	66.00	813.00	20.00	1.50	
SanJuanfan_SP1_40_	535.00	1.67	12.93	0.18	0.54	0.01	0.86	2674.00	13.00	2765.00	34.00	2593.00	13.00	2593.00	13.00	6.63	
SanJuanfan_SP1_41_	1580.00	3.18	0.86	0.02	0.10	0.00	0.83	628.00	13.00	605.00	16.00	733.00	35.00	605.00	16.00	3.66	
SanJuanfan_SP1_42_	185.30	1.26	1.34	0.02	0.15	0.00	0.46	863.90	8.30	889.00	14.00	804.00	36.00	804.00	14.00	2.91	
SanJuanfan_SP1_43_	345.50	3.84	1.19	0.02	0.13	0.00	0.68	793.00	11.00	810.00	18.00	743.00	34.00	810.00	18.00	2.14	
SanJuanfan_SP1_44_	67.40	0.77	2.20	0.07	0.20	0.00	0.48	1183.00	21.00	1180.00	24.00	1180.00	57.00	1180.00	57.00	0.00	
SanJuanfan_SP1_45_	362.00	9.83	0.65	0.01	0.08	0.00	0.51	511.00	8.10	513.00	8.80	505.00	40.00	513.00	8.80	0.39	
SanJuanfan_SP1_46_	396.00	23.10	0.67	0.01	0.08	0.00	0.49	520.30	7.60	525.20	9.60	471.00	43.00	525.20	9.60	0.94	
SanJuanfan_SP1_47_	128.00	1.37	1.06	0.02	0.12	0.00	0.38	734.00	11.00	744.00	15.00	679.00	44.00	744.00	15.00	1.36	
SanJuanfan_SP1_48_	235.10	1.56	0.42	0.01	0.05	0.00	0.44	353.20	8.40	330.10	8.10	480.00	70.00	330.10	8.10	6.54	
SanJuanfan_SP1_49_	744.00	3.35	0.38	0.01	0.05	0.00	0.61	327.60	7.80	319.00	12.00	390.00	62.00	319.00	12.00	2.63	
SanJuanfan_SP1_50_	243.00	1.52	1.26	0.03	0.13	0.00	0.68	826.00	15.00	811.00	20.00	871.00	44.00	811.00	20.00	1.82	
SanJuanfan_SP1_52_	506.00	2.35	0.93	0.02	0.11	0.00	0.50	668.00	8.60	667.00	11.00	647.00	35.00	667.00	11.00	0.15	
SanJuanfan_SP1_53_	753.00	3.12	1.30	0.03	0.14	0.00	0.74	844.00	13.00	830.00	26.00	922.00	36.00	830.00	26.00	1.66	
SanJuanfan_SP1_54_	135.70	1.16	1.22	0.03	0.14	0.00	0.60	810.00	13.00	825.00	21.00	767.00	44.00	825.00	21.00	1.85	
SanJuanfan_SP1_55_	412.00	8.49	1.58	0.03	0.16	0.00	0.52	963.00	13.00	978.00	17.00	923.00	41.00	923.00	41.00	5.96	
SanJuanfan_SP1_56_	140.70	0.62	2.01	0.04	0.20	0.00	0.51	1117.00	13.00	1169.00	22.00	1038.00	45.00	1038.00	45.00	12.62	
SanJuanfan_SP1_57_	286.00	0.86	1.71	0.04	0.17	0.00	0.76	1009.00	15.00	1002.00	23.00	1026.00	34.00	1026.00	34.00	2.34	
SanJuanfan_SP1_58_	423.00	0.42	0.89	0.02	0.11	0.00	0.72	645.80	9.00	653.00	11.00	637.00	31.00	653.00	11.00	1.11	
SanJuanfan_SP1_59_	234.00	2.79	0.69	0.01	0.09	0.00	0.48	534.40	8.60	555.00	12.00	413.00	50.00	555.00	12.00	3.85	
SanJuanfan_SP1_60_	1510.00	0.78	0.44	0.01	0.06	0.00	0.70	371.50	4.00	373.20	5.20	371.00	23.00	373.20	5.20	0.46	
SanJuanfan_SP1_61_	418.00	1.18	0.89	0.02	0.10	0.00	0.55	646.00	12.00	624.00	14.00	728.00	48.00	624.00	14.00	3.41	
SanJuanfan_SP1_62_	371.00	3.01	0.34	0.01	0.05	0.00	0.66	298.70	6.20	297.80	5.60	293.00	52.00	297.80	5.60	0.30	
SanJuanfan_SP1_63_	68.50	0.68	6.27	0.11	0.36	0.01	0.40	2012.00	15.00	2000.00	34.00	2043.00	28.00	2043.00	28.00	2.10	
SanJuanfan_SP1_64_	140.20	0.83	0.72	0.02	0.09	0.00	0.14	552.00	14.00	549.00	14.00	559.00	87.00	549.00	14.00	0.54	
SanJuanfan_SP1_65_	192.00	8.00	0.64	0.04	0.08	0.01	0.50	509.00	23.00	496.00	32.00	550.00	130.00	496.00	32.00	2.55	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm							Age (Ma)		Age (Ma)		Age (Ma)		Age (Ma)		%	
SanJuanfan_SP1_66	360.00	2.06	0.79	0.02	0.10	0.00	0.53	590.20	8.40	602.00	12.00	552.00	43.00	602.00	12.00	2.00	
SanJuanfan_SP1_67	492.00	3.28	0.38	0.01	0.05	0.00	0.48	325.80	5.30	335.30	6.60	296.00	47.00	335.30	6.60	2.92	
SanJuanfan_SP1_68	406.00	2.16	0.38	0.01	0.05	0.00	0.32	328.00	5.70	325.30	5.80	376.00	45.00	325.30	5.80	0.82	
SanJuanfan_SP1_69	329.00	3.90	0.39	0.01	0.05	0.00	0.39	334.00	9.40	337.00	10.00	373.00	79.00	337.00	10.00	0.90	
SanJuanfan_SP1_70	297.60	2.50	0.70	0.02	0.09	0.00	0.63	539.00	10.00	547.00	11.00	547.00	44.00	547.00	11.00	1.48	
SanJuanfan_SP1_71	795.00	1.39	0.43	0.01	0.05	0.00	0.52	365.60	7.90	319.00	12.00	693.00	69.00	DISC	DISC	12.75	
SanJuanfan_SP1_72	175.20	1.06	1.48	0.03	0.15	0.00	0.60	924.00	12.00	905.00	19.00	966.00	37.00	966.00	37.00	6.31	
SanJuanfan_SP1_73	868.00	15.40	6.53	0.14	0.39	0.01	0.83	2049.00	19.00	2116.00	33.00	2000.00	20.00	2000.00	20.00	5.80	Rim
SanJuanfan_SP1_73	72.20	1.42	13.34	0.28	0.53	0.01	0.55	2703.00	20.00	2743.00	47.00	2648.00	33.00	2648.00	33.00	3.59	Core
SanJuanfan_SP1_74	598.00	1.38	0.41	0.01	0.06	0.00	0.63	345.40	5.20	352.10	6.20	298.00	33.00	352.10	6.20	1.94	
SanJuanfan_SP1_75	158.80	3.06	0.67	0.02	0.09	0.00	0.51	522.00	11.00	534.00	12.00	481.00	52.00	534.00	12.00	2.30	
SanJuanfan_SP1_76	155.90	1.12	4.14	0.11	0.31	0.01	0.68	1662.00	21.00	1725.00	39.00	1574.00	34.00	1574.00	34.00	9.59	
SanJuanfan_SP1_77	430.00	9.23	0.66	0.01	0.08	0.00	0.51	515.60	6.20	512.70	7.30	506.00	33.00	512.70	7.30	0.56	
SanJuanfan_SP1_78	368.00	30.50	0.89	0.04	0.10	0.00	0.77	645.00	20.00	628.00	25.00	671.00	67.00	628.00	25.00	2.64	
SanJuanfan_SP1_79	616.00	2.52	0.38	0.01	0.05	0.00	0.42	324.10	5.40	329.80	6.10	284.00	48.00	329.80	6.10	1.76	
SanJuanfan_SP1_80	438.00	5.67	0.62	0.01	0.08	0.00	0.45	490.50	8.30	479.30	8.50	558.00	48.00	479.30	8.50	2.28	
SanJuanfan_SP1_81	491.00	1.86	0.39	0.01	0.05	0.00	0.67	334.70	5.90	331.40	7.40	346.00	36.00	331.40	7.40	0.99	
SanJuanfan_SP1_82	141.40	0.71	0.86	0.02	0.10	0.00	0.37	626.50	8.40	626.00	10.00	640.00	43.00	626.00	10.00	0.08	
SanJuanfan_SP1_83	946.00	20.20	0.38	0.01	0.05	0.00	0.63	325.50	4.10	325.20	4.90	328.00	27.00	325.20	4.90	0.09	
SanJuanfan_SP1_84	101.00	1.91	0.98	0.04	0.09	0.00	0.29	691.00	19.00	548.00	12.00	1179.00	76.00	DISC	DISC	20.69	
SanJuanfan_SP1_85	841.00	1.14	1.50	0.03	0.16	0.00	0.79	927.00	12.00	929.00	15.00	896.00	25.00	896.00	25.00	3.68	
SanJuanfan_SP1_86	162.50	2.04	1.04	0.02	0.11	0.00	0.53	724.00	12.00	703.00	16.00	785.00	44.00	703.00	16.00	2.90	
SanJuanfan_SP1_87	482.00	5.04	0.79	0.01	0.10	0.00	0.55	590.20	6.10	586.50	7.90	609.00	32.00	586.50	7.90	0.63	
SanJuanfan_SP1_88	501.00	1.18	0.91	0.01	0.11	0.00	0.53	657.50	6.80	654.90	9.10	647.00	30.00	654.90	9.10	0.40	
SanJuanfan_SP1_89	476.00	2.33	0.38	0.01	0.05	0.00	0.29	330.00	5.30	315.90	5.00	406.00	44.00	315.90	5.00	4.27	
SanJuanfan_SP1_90	80.40	1.42	1.80	0.04	0.17	0.00	0.53	1042.00	13.00	1019.00	22.00	1063.00	48.00	1063.00	48.00	4.14	
SanJuanfan_SP1_91	188.90	6.05	0.93	0.03	0.11	0.00	0.64	666.00	13.00	674.00	23.00	643.00	52.00	674.00	23.00	1.20	
SanJuanfan_SP1_92	453.00	1.68	5.67	0.10	0.36	0.01	0.68	1927.00	16.00	1971.00	36.00	1866.00	27.00	1866.00	27.00	5.63	
SanJuanfan_SP1_93	63.70	0.88	2.02	0.06	0.20	0.00	0.66	1120.00	20.00	1157.00	26.00	1053.00	44.00	1053.00	44.00	9.88	
SanJuanfan_SP1_94	106.50	1.31	0.36	0.01	0.05	0.00	0.20	315.50	8.70	311.90	7.20	307.00	75.00	311.90	7.20	1.14	
SanJuanfan_SP1_95	185.00	2.02	0.40	0.01	0.05	0.00	0.09	342.20	8.10	339.10	7.20	367.00	68.00	339.10	7.20	0.91	
SanJuanfan_SP1_96	204.10	1.93	0.62	0.01	0.08	0.00	0.59	488.60	8.30	482.60	7.40	485.00	40.00	482.60	7.40	1.23	
SanJuanfan_SP1_97	200.00	1.10	3.24	0.10	0.24	0.01	0.95	1468.00	23.00	1367.00	39.00	1612.00	22.00	1612.00	22.00	15.20	
SanJuanfan_SP1_98	188.00	0.94	1.80	0.03	0.18	0.00	0.64	1043.00	11.00	1073.00	17.00	987.00	29.00	987.00	29.00	8.71	
SanJuanfan_SP1_99	209.00	0.79	0.87	0.02	0.10	0.00	0.50	632.50	8.20	634.40	9.50	647.00	35.00	634.40	9.50	0.30	
SanJuanfan_SP1_100	158.00	1.62	7.55	0.13	0.43	0.01	0.75	2179.00	15.00	2281.00	39.00	2090.00	23.00	2090.00	23.00	9.14	
SanJuanfan_SP1_101	500.00	12.23	0.93	0.02	0.11	0.00	0.71	665.30	8.10	657.00	11.00	688.00	29.00	657.00	11.00	1.25	
SanJuanfan_SP1_102	368.00	2.42	0.96	0.02	0.11	0.00	0.55	685.00	13.00	668.00	14.00	756.00	50.00	668.00	14.00	2.48	
SanJuanfan_SP1_103	125.00	0.93	0.82	0.02	0.10	0.00	0.45	606.00	13.00	604.00	19.00	603.00	83.00	604.00	19.00	0.33	
SanJuanfan_SP1_104	508.00	1.40	0.34	0.01	0.05	0.00	0.37	297.60	4.60	301.50	5.30	275.00	45.00	301.50	5.30	1.31	
SanJuanfan_SP1_105	234.40	2.31	0.81	0.01	0.10	0.00	0.51	604.50	7.50	607.80	9.10	611.00	38.00	607.80	9.10	0.55	
SanJuanfan_SP1_106	741.00	186.00	0.88	0.02	0.11	0.00	0.72	642.00	13.00	651.00	19.00	614.00	52.00	651.00	19.00	1.40	Rim
SanJuanfan_SP1_106	194.20	1.72	1.63	0.05	0.17	0.01	0.80	980.00	19.00	1011.00	35.00	972.00	47.00	972.00	47.00	4.01	Core
SanJuanfan_SP1_107	284.00	1.62	0.44	0.01	0.06	0.00	0.38	369.20	9.70	348.00	7.80	537.00	63.00	348.00	7.80	5.74	
SanJuanfan_SP1_108	155.20	1.17	1.82	0.02	0.19	0.00	0.47	1052.70	8.20	1101.00	13.00	976.00	26.00	976.00	26.00	12.81	
SanJuanfan_SP1_109	1143.00	3.11	0.92	0.02	0.11	0.00	0.76	663.00	10.00	667.00	15.00	677.00	32.00	667.00	15.00	0.60	
SanJuanfan_SP1_110	174.00	2.48	0.73	0.02	0.09	0.00	0.55	552.00	11.00	564.00	13.00	537.00	56.00	564.00	13.00	2.17	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm																
SanJuanfan_SP1_111	226.00	5.69	0.38	0.01	0.05	0.00	0.37	328.50	6.20	331.00	5.40	304.00	49.00	331.00	5.40	0.76	
SanJuanfan_SP1_112	198.60	3.96	0.77	0.04	0.09	0.01	0.61	581.00	20.00	573.00	30.00	600.00	100.00	573.00	30.00	1.38	
SanJuanfan_SP1_113	316.30	1.23	0.90	0.02	0.11	0.00	0.41	653.20	9.10	660.60	8.80	643.00	37.00	660.60	8.80	1.13	
SanJuanfan_SP1_114	439.00	2.41	0.94	0.02	0.11	0.00	0.59	673.10	8.30	680.00	11.00	647.00	33.00	680.00	11.00	1.03	
SanJuanfan_SP1_115	538.00	39.70	0.92	0.03	0.11	0.00	0.63	661.00	18.00	677.00	26.00	623.00	82.00	677.00	26.00	2.42	Rim
SanJuanfan_SP1_115	92.80	1.10	1.65	0.05	0.16	0.01	0.35	991.00	17.00	980.00	32.00	995.00	74.00	995.00	74.00	1.51	Core
SanJuanfan_SP1_116	90.80	1.76	0.96	0.03	0.12	0.00	0.24	685.00	16.00	713.00	19.00	570.00	83.00	713.00	19.00	4.09	
SanJuanfan_SP1_117	103.50	1.48	0.96	0.02	0.11	0.00	0.56	680.00	12.00	683.00	14.00	665.00	52.00	683.00	14.00	0.44	
SanJuanfan_SP1_118	40.20	0.98	13.02	0.24	0.53	0.01	0.64	2678.00	17.00	2717.00	50.00	2634.00	29.00	2634.00	29.00	3.15	
SanJuanfan_SP1_119	316.60	0.90	1.75	0.03	0.18	0.00	0.69	1025.00	9.70	1043.00	17.00	974.00	30.00	974.00	30.00	7.08	
SanJuanfan_SP1_120	141.70	2.01	1.37	0.08	0.14	0.00	0.45	863.00	25.00	820.00	14.00	962.00	69.00	820.00	14.00	4.98	
SanJuanfan_SP3_1	180.20	0.86	0.91	0.04	0.11	0.00	0.43	658.00	19.00	647.00	18.00	714.00	79.00	647.00	18.00	1.67	
SanJuanfan_SP3_2	385.00	3.30	0.99	0.02	0.12	0.00	0.55	699.40	7.70	711.00	14.00	640.00	36.00	711.00	14.00	1.66	
SanJuanfan_SP3_3	939.00	24.20	0.42	0.01	0.06	0.00	0.59	357.90	6.00	364.00	8.60	306.00	44.00	364.00	8.60	1.70	
SanJuanfan_SP3_5	78.80	1.03	1.72	0.04	0.18	0.00	0.44	1019.00	12.00	1040.00	16.00	968.00	38.00	968.00	38.00	7.44	
SanJuanfan_SP3_6	190.00	3.01	0.84	0.02	0.10	0.00	0.35	616.70	8.90	617.00	11.00	618.00	47.00	617.00	11.00	0.05	
SanJuanfan_SP3_7	329.50	1.26	1.34	0.04	0.13	0.00	0.55	861.00	16.00	813.00	25.00	945.00	54.00	813.00	25.00	5.57	
SanJuanfan_SP3_9	48.70	2.32	1.49	0.05	0.15	0.00	0.53	927.00	19.00	923.00	26.00	904.00	69.00	904.00	69.00	2.10	
SanJuanfan_SP3_10	213.00	2.27	7.38	0.45	0.32	0.02	0.89	2159.00	54.00	1790.00	85.00	2551.00	51.00	2551.00	51.00	29.83	
SanJuanfan_SP3_11	271.50	1.13	0.88	0.02	0.11	0.00	0.60	639.90	8.30	649.00	10.00	622.00	35.00	649.00	10.00	1.42	
SanJuanfan_SP3_12	277.00	5.89	0.92	0.03	0.11	0.00	0.48	661.00	14.00	680.00	17.00	576.00	60.00	680.00	17.00	2.87	
SanJuanfan_SP3_13	95.50	1.00	7.33	0.13	0.43	0.01	0.74	2151.00	16.00	2284.00	41.00	2017.00	33.00	2017.00	33.00	13.24	
SanJuanfan_SP3_14	158.50	3.37	0.71	0.02	0.09	0.00	0.34	546.30	8.70	554.00	10.00	522.00	52.00	554.00	10.00	1.41	
SanJuanfan_SP3_15	162.30	0.25	13.16	0.15	0.54	0.01	0.66	2691.00	11.00	2780.00	27.00	2616.00	16.00	2616.00	16.00	6.27	
SanJuanfan_SP3_16	219.00	1.10	1.00	0.02	0.12	0.00	0.61	705.00	12.00	723.00	16.00	644.00	46.00	723.00	16.00	2.55	
SanJuanfan_SP3_17	101.10	1.38	0.83	0.03	0.10	0.00	0.48	611.00	14.00	593.00	16.00	709.00	78.00	593.00	16.00	2.95	
SanJuanfan_SP3_18	526.00	1.70	1.51	0.04	0.14	0.00	0.89	937.00	15.00	835.00	19.00	1177.00	23.00	DISC	DISC	10.89	
SanJuanfan_SP3_20	175.00	1.74	0.40	0.01	0.05	0.00	0.28	342.70	6.30	339.90	5.80	380.00	52.00	339.90	5.80	0.82	
SanJuanfan_SP3_21	164.00	2.66	1.80	0.03	0.18	0.00	0.66	1046.00	12.00	1095.00	20.00	978.00	31.00	978.00	31.00	11.96	
SanJuanfan_SP3_22	399.00	1.54	0.97	0.02	0.11	0.00	0.43	692.00	11.00	685.00	12.00	719.00	47.00	685.00	12.00	1.01	
SanJuanfan_SP3_23	274.00	1.12	0.93	0.02	0.11	0.00	0.44	666.90	8.20	657.00	11.00	708.00	36.00	657.00	11.00	1.48	
SanJuanfan_SP3_24	145.00	0.80	5.73	0.08	0.36	0.01	0.64	1937.00	13.00	1990.00	29.00	1873.00	22.00	1873.00	22.00	6.25	
SanJuanfan_SP3_25	115.80	1.06	4.09	0.07	0.30	0.00	0.64	1651.00	13.00	1709.00	22.00	1574.00	26.00	1574.00	26.00	8.58	
SanJuanfan_SP3_27	346.20	1.61	1.25	0.01	0.14	0.00	0.45	823.70	5.60	845.80	8.70	770.00	24.00	845.80	8.70	2.68	
SanJuanfan_SP3_28	48.20	2.21	1.35	0.05	0.14	0.00	0.41	863.00	21.00	862.00	20.00	857.00	78.00	857.00	78.00	0.58	
SanJuanfan_SP3_29	240.90	0.78	0.95	0.02	0.11	0.00	0.73	674.70	9.20	696.00	11.00	585.00	36.00	696.00	11.00	3.16	
SanJuanfan_SP3_30	674.00	0.93	0.93	0.02	0.11	0.00	0.44	667.90	7.30	680.20	8.60	636.00	35.00	680.20	8.60	1.84	
SanJuanfan_SP3_31	231.10	9.20	0.65	0.02	0.08	0.00	0.53	505.00	10.00	474.00	13.00	592.00	60.00	474.00	13.00	6.14	
SanJuanfan_SP3_32	452.00	1.82	2.02	0.06	0.20	0.01	0.81	1122.00	18.00	1167.00	27.00	1041.00	30.00	1041.00	30.00	12.10	
SanJuanfan_SP3_33	171.50	0.62	0.86	0.02	0.10	0.00	0.60	632.00	12.00	624.00	11.00	694.00	42.00	624.00	11.00	1.27	
SanJuanfan_SP3_34	144.80	2.08	5.78	0.08	0.37	0.01	0.59	1943.00	12.00	2030.00	27.00	1860.00	26.00	1860.00	26.00	9.14	
SanJuanfan_SP3_35	234.00	1.38	1.21	0.02	0.14	0.00	0.49	805.90	7.90	837.00	11.00	731.00	32.00	837.00	11.00	3.86	
SanJuanfan_SP3_36	281.00	0.36	1.01	0.03	0.12	0.00	0.34	710.00	13.00	740.00	11.00	629.00	47.00	740.00	11.00	4.23	
SanJuanfan_SP3_37	98.00	1.15	1.40	0.03	0.15	0.00	0.41	888.00	11.00	903.00	16.00	839.00	38.00	839.00	16.00	1.69	
SanJuanfan_SP3_38	143.30	1.20	0.97	0.02	0.11	0.00	0.50	686.00	12.00	691.00	15.00	695.00	49.00	691.00	15.00	0.73	
SanJuanfan_SP3_39	286.00	0.87	13.54	0.42	0.54	0.02	0.94	2717.00	30.00	2785.00	75.00	2656.00	18.00	2656.00	18.00	4.86	
SanJuanfan_SP3_40	1430.00	7.13	0.38	0.01	0.05	0.00	0.83	329.80	5.40	325.50	6.20	353.00	27.00	325.50	6.20	1.30	

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error Age (Ma)	206/238 Age (Ma)	2σ error Age (Ma)	207/206 Age (Ma)	2σ error Age (Ma)	Best age Age (Ma)	2σ error Age (Ma)	Discordance %	Rim / Core
Sanlufanfan_SP3_41	292.00	1.95	1.79	0.04	0.18	0.00	0.76	1039.00	14.00	1072.00	24.00	963.00	34.00	963.00	34.00	11.32	
Sanlufanfan_SP3_42	92.40	0.82	6.38	0.11	0.38	0.01	0.81	2029.00	15.00	2072.00	32.00	1980.00	22.00	1980.00	22.00	4.65	
Sanlufanfan_SP3_43	990.00	1.66	0.40	0.01	0.06	0.00	0.39	342.60	5.20	347.70	4.20	317.00	33.00	347.70	4.20	1.49	
Sanlufanfan_SP3_44	39.30	2.60	4.11	0.13	0.24	0.01	0.81	1658.00	28.00	1405.00	55.00	2057.00	44.00	DISC	DISC	31.70	
Sanlufanfan_SP3_45	68.30	1.86	1.38	0.03	0.15	0.00	0.26	882.00	13.00	899.00	11.00	809.00	43.00	809.00	11.00	1.93	
Sanlufanfan_SP3_46	675.00	3.54	0.68	0.02	0.08	0.00	0.69	526.80	9.60	466.00	17.00	779.00	58.00	DISC	DISC	11.54	
Sanlufanfan_SP3_47	206.00	1.17	1.08	0.03	0.12	0.00	0.56	741.00	13.00	735.00	19.00	769.00	48.00	735.00	19.00	0.81	
Sanlufanfan_SP3_48	27.80	0.45	4.49	0.35	0.27	0.02	0.51	1726.00	66.00	1510.00	90.00	2020.00	130.00	2020.00	130.00	25.25	
Sanlufanfan_SP3_49	249.00	6.46	0.57	0.02	0.07	0.00	0.65	457.00	11.00	438.00	14.00	512.00	63.00	438.00	14.00	4.16	
Sanlufanfan_SP3_50	198.00	1.37	5.27	0.10	0.33	0.01	0.58	1865.00	16.00	1818.00	33.00	1936.00	30.00	1936.00	30.00	6.10	
Sanlufanfan_SP3_51	351.00	37.30	6.97	0.19	0.41	0.01	0.84	2113.00	24.00	2215.00	56.00	1998.00	24.00	1998.00	24.00	10.86	
Sanlufanfan_SP3_52	783.00	3.34	0.97	0.01	0.12	0.00	0.59	687.90	7.10	703.30	8.70	630.00	27.00	703.30	8.70	2.24	
Sanlufanfan_SP3_53	98.70	1.03	1.01	0.02	0.11	0.00	0.28	707.00	11.00	690.00	12.00	786.00	51.00	690.00	12.00	2.40	
Sanlufanfan_SP3_55	121.00	4.02	3.67	0.14	0.28	0.01	0.87	1563.00	31.00	1585.00	45.00	1598.00	46.00	1598.00	46.00	0.81	
Sanlufanfan_SP3_56	363.00	2.42	1.12	0.02	0.13	0.00	0.39	764.00	7.30	780.90	8.40	713.00	31.00	780.90	8.40	2.21	
Sanlufanfan_SP3_57	140.40	0.42	0.39	0.02	0.05	0.00	0.27	330.00	11.00	310.20	8.40	474.00	94.00	310.20	8.40	6.00	Rim
Sanlufanfan_SP3_58	208.00	53.30	0.47	0.02	0.06	0.00	0.49	387.00	15.00	395.00	14.00	427.00	97.00	395.00	14.00	2.07	Rim
Sanlufanfan_SP3_58	108.10	8.51	1.60	0.07	0.12	0.00	0.46	970.00	27.00	753.00	22.00	1488.00	83.00	DISC	DISC	22.37	Core
Sanlufanfan_SP3_59	273.40	1.96	1.00	0.01	0.12	0.00	0.44	704.50	6.90	733.00	8.20	632.00	29.00	733.00	8.20	4.05	
Sanlufanfan_SP3_60	140.40	1.99	0.96	0.04	0.11	0.00	0.45	684.00	19.00	683.00	24.00	711.00	83.00	683.00	24.00	0.15	Rim
Sanlufanfan_SP3_60	155.10	2.03	12.65	0.29	0.51	0.02	0.88	2653.00	22.00	2677.00	64.00	2674.00	30.00	2674.00	30.00	0.11	Core
Sanlufanfan_SP3_61	157.50	0.59	6.44	0.09	0.39	0.01	0.73	2036.00	12.00	2120.00	24.00	1970.00	17.00	1970.00	17.00	7.61	
Sanlufanfan_SP3_62	377.00	2.99	0.48	0.02	0.05	0.00	0.72	398.00	11.00	334.40	7.90	793.00	50.00	DISC	DISC	15.98	
Sanlufanfan_SP3_63	667.00	1.27	8.65	0.12	0.43	0.01	0.86	2301.00	13.00	2327.00	35.00	2274.00	14.00	2274.00	14.00	2.33	
Sanlufanfan_SP3_64	243.00	2.21	3.09	0.23	0.24	0.02	0.98	1417.00	62.00	1390.00	100.00	1481.00	23.00	1481.00	23.00	6.14	
Sanlufanfan_SP3_65	339.00	3.44	18.90	0.38	0.61	0.02	0.72	3036.00	20.00	3075.00	68.00	3035.00	35.00	3035.00	35.00	1.32	
Sanlufanfan_SP3_66	42.80	0.74	2.46	0.05	0.23	0.00	0.34	1265.00	15.00	1319.00	22.00	1185.00	48.00	1185.00	48.00	11.31	
Sanlufanfan_SP3_67	222.40	1.85	1.51	0.04	0.17	0.00	0.57	937.00	15.00	990.00	22.00	815.00	44.00	815.00	22.00	5.66	
Sanlufanfan_SP3_68	1233.00	5.13	0.94	0.01	0.12	0.00	0.69	671.50	5.70	711.60	8.20	546.00	22.00	711.60	8.20	5.97	
Sanlufanfan_SP3_69	542.00	5.52	0.91	0.01	0.11	0.00	0.74	657.30	7.30	690.00	10.00	557.00	23.00	690.00	10.00	4.97	
Sanlufanfan_SP3_70	2630.00	2.50	0.53	0.02	0.05	0.00	0.89	429.00	12.00	301.00	10.00	1203.00	32.00	DISC	DISC	29.84	
Sanlufanfan_SP3_71	348.00	1.35	0.87	0.02	0.10	0.00	0.54	637.70	8.40	640.00	11.00	627.00	37.00	640.00	11.00	0.36	
Sanlufanfan_SP3_72	592.00	1.97	0.31	0.01	0.04	0.00	0.51	276.40	5.00	272.30	5.90	316.00	45.00	272.30	5.90	1.48	
Sanlufanfan_SP3_73	608.00	0.89	0.02	0.00	0.00	0.00	0.23	22.40	1.20	22.13	0.59	60.00	110.00	22.13	0.59	1.21	
Sanlufanfan_SP3_74	281.00	1.35	0.82	0.02	0.10	0.00	0.65	611.00	11.00	618.00	17.00	578.00	52.00	618.00	17.00	1.15	
Sanlufanfan_SP3_75	39.70	1.63	12.64	0.72	0.36	0.02	0.91	2635.00	52.00	1964.00	95.00	3246.00	39.00	DISC	DISC	39.49	
Sanlufanfan_SP3_76	397.00	5.77	0.39	0.01	0.05	0.00	0.22	337.10	4.90	340.70	3.70	309.00	40.00	340.70	3.70	2.57	
Sanlufanfan_SP3_77	626.00	10.38	0.95	0.02	0.11	0.00	0.58	678.00	10.00	695.00	12.00	604.00	39.00	695.00	12.00	1.01	
Sanlufanfan_SP3_78	335.00	1.34	1.84	0.04	0.18	0.00	0.69	1060.00	15.00	1050.00	27.00	1030.00	46.00	1030.00	46.00	1.94	
Sanlufanfan_SP3_79	366.00	2.72	0.41	0.01	0.06	0.00	0.34	346.30	7.70	357.70	8.40	277.00	67.00	357.70	8.40	3.29	
Sanlufanfan_SP3_80	300.00	2.68	0.87	0.01	0.10	0.00	0.50	634.80	7.20	641.30	9.60	608.00	33.00	641.30	9.60	1.02	
Sanlufanfan_SP3_81	1360.00	6.14	0.63	0.02	0.08	0.00	0.87	493.60	9.60	498.00	12.00	462.00	27.00	498.00	12.00	0.89	
Sanlufanfan_SP3_82	88.50	1.34	1.76	0.05	0.17	0.00	0.72	1030.00	19.00	1032.00	26.00	1038.00	43.00	1038.00	43.00	0.58	
Sanlufanfan_SP3_83	252.30	1.04	7.34	0.15	0.43	0.01	0.67	2151.00	19.00	2305.00	48.00	2032.00	35.00	2032.00	35.00	13.44	
Sanlufanfan_SP3_84	100.20	0.34	0.97	0.02	0.11	0.00	0.27	690.00	11.00	693.00	12.00	692.00	48.00	693.00	12.00	0.43	
Sanlufanfan_SP3_85	521.00	1.42	0.88	0.01	0.11	0.00	0.52	638.40	6.90	657.00	10.00	550.00	34.00	657.00	10.00	2.91	
Sanlufanfan_SP3_86	201.00	0.82	0.93	0.02	0.11	0.00	0.37	667.50	9.50	687.00	13.00	613.00	36.00	687.00	13.00	2.92	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm							Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	%	
SanJuanfan_SP3_87	122.20	2.48	1.39	0.03	0.15	0.00	0.41	884.00	15.00	886.00	17.00	882.00	50.00	882.00	50.00	882.00	882.00	50.00	0.45		
SanJuanfan_SP3_88	620.00	7.96	0.59	0.02	0.08	0.00	0.75	470.00	11.00	475.00	12.00	444.00	45.00	475.00	45.00	475.00	475.00	12.00	1.06		
SanJuanfan_SP3_89	197.00	2.45	1.09	0.02	0.13	0.00	0.45	750.00	10.00	779.00	16.00	672.00	45.00	779.00	45.00	779.00	779.00	16.00	3.87		
SanJuanfan_SP3_90	109.90	0.57	0.39	0.01	0.05	0.00	0.22	333.00	9.40	330.60	7.20	345.00	81.00	330.60	7.20	330.60	330.60	7.20	0.72		
SanJuanfan_SP3_91	213.00	2.00	0.40	0.01	0.05	0.00	0.22	341.20	6.00	322.80	5.10	485.00	50.00	322.80	5.10	322.80	322.80	5.10	5.39		
SanJuanfan_SP3_92	372.00	7.46	0.62	0.01	0.08	0.00	0.47	488.60	5.50	491.60	8.10	454.00	38.00	491.60	8.10	491.60	491.60	8.10	0.61		
SanJuanfan_SP3_93	815.00	2.72	0.95	0.02	0.11	0.00	0.62	675.00	10.00	695.00	13.00	618.00	38.00	695.00	13.00	695.00	695.00	13.00	2.96		
SanJuanfan_SP3_94	534.00	3.19	0.37	0.01	0.05	0.00	0.70	317.70	5.00	317.30	6.40	324.00	35.00	317.30	6.40	317.30	317.30	6.40	0.13		
SanJuanfan_SP3_95	599.00	0.89	0.97	0.02	0.11	0.00	0.66	689.40	9.10	694.00	13.00	639.00	33.00	694.00	13.00	694.00	694.00	13.00	0.67		
SanJuanfan_SP3_96	70.40	0.60	0.87	0.03	0.10	0.00	0.17	634.00	15.00	612.00	15.00	642.00	83.00	612.00	15.00	612.00	612.00	15.00	3.47		
SanJuanfan_SP3_97	222.00	1.65	0.76	0.02	0.09	0.00	0.53	575.00	13.00	553.00	15.00	620.00	66.00	553.00	15.00	553.00	553.00	15.00	3.83		
SanJuanfan_SP3_98	253.00	2.15	1.22	0.04	0.13	0.01	0.49	807.00	18.00	793.00	29.00	872.00	73.00	793.00	29.00	793.00	793.00	29.00	1.73		
SanJuanfan_SP3_99	188.00	3.01	0.70	0.02	0.09	0.00	0.32	536.00	11.00	531.00	13.00	542.00	69.00	531.00	13.00	531.00	531.00	13.00	0.93		
SanJuanfan_SP3_100	217.90	2.58	0.57	0.01	0.07	0.00	0.41	455.80	9.10	441.80	7.20	485.00	54.00	441.80	7.20	441.80	441.80	7.20	3.07		
SanJuanfan_SP3_101	91.00	2.19	1.04	0.03	0.12	0.00	0.45	721.00	15.00	738.00	17.00	661.00	64.00	738.00	17.00	738.00	738.00	17.00	2.36		
SanJuanfan_SP3_102	522.00	5.01	0.88	0.03	0.10	0.00	0.83	640.00	16.00	640.00	18.00	635.00	44.00	640.00	18.00	640.00	640.00	18.00	0.00	Rim	
SanJuanfan_SP3_102	174.00	0.71	2.14	0.07	0.21	0.01	0.72	1159.00	21.00	1207.00	29.00	1038.00	43.00	1038.00	43.00	1038.00	1038.00	43.00	16.28	Core	
SanJuanfan_SP3_103	357.00	2.38	0.41	0.01	0.06	0.00	0.42	348.80	6.10	351.00	5.20	310.00	48.00	351.00	5.20	351.00	351.00	5.20	0.63		
SanJuanfan_SP3_104	517.00	2.48	1.28	0.02	0.14	0.00	0.70	836.80	9.10	819.00	12.00	877.00	26.00	819.00	12.00	819.00	819.00	12.00	2.13		
SanJuanfan_SP3_105	598.00	1.48	4.68	0.16	0.29	0.01	0.87	1756.00	28.00	1650.00	56.00	1904.00	33.00	1904.00	33.00	1904.00	1904.00	33.00	13.34		
SanJuanfan_SP3_107	236.20	1.30	0.92	0.01	0.11	0.00	0.29	664.40	7.40	663.30	6.10	653.00	33.00	663.30	6.10	663.30	663.30	6.10	0.17		
SanJuanfan_SP3_108	442.00	2.80	0.98	0.02	0.12	0.00	0.52	692.30	7.60	707.00	11.00	641.00	31.00	707.00	11.00	707.00	707.00	11.00	2.12		
SanJuanfan_SP3_109	405.00	1.76	1.33	0.03	0.15	0.00	0.71	859.00	12.00	892.00	16.00	772.00	27.00	772.00	27.00	772.00	772.00	16.00	3.84		
SanJuanfan_SP3_110	156.00	1.36	1.72	0.04	0.17	0.00	0.55	1016.00	14.00	1013.00	19.00	998.00	36.00	998.00	36.00	998.00	998.00	36.00	1.50		
SanJuanfan_SP3_111	810.00	8.38	1.03	0.01	0.12	0.00	0.57	718.80	5.50	725.10	7.00	695.00	22.00	725.10	7.00	725.10	725.10	7.00	0.88		
SanJuanfan_SP3_112	1247.00	16.66	0.49	0.01	0.07	0.00	0.67	402.40	4.50	407.00	6.20	344.00	27.00	407.00	6.20	407.00	407.00	6.20	1.14		
SanJuanfan_SP3_113	952.00	74.00	2.01	0.04	0.20	0.00	0.85	1116.00	14.00	1155.00	24.00	1036.00	22.00	1036.00	22.00	1036.00	1036.00	22.00	11.49		
SanJuanfan_SP3_114	158.50	1.36	1.26	0.02	0.14	0.00	0.10	826.60	9.60	836.00	13.00	797.00	48.00	836.00	13.00	836.00	836.00	13.00	6.57		
SanJuanfan_SP3_115	68.30	1.37	8.13	0.13	0.44	0.01	0.50	2246.00	15.00	2336.00	27.00	2192.00	28.00	2192.00	28.00	2192.00	2192.00	28.00	1.54		
SanJuanfan_SP3_116	182.00	8.29	0.69	0.02	0.09	0.00	0.44	532.00	10.00	548.00	12.00	449.00	57.00	548.00	12.00	548.00	548.00	12.00	3.01		
SanJuanfan_SP3_117	384.00	2.16	5.32	0.07	0.33	0.01	0.77	1873.00	12.00	1850.00	25.00	1896.00	19.00	1896.00	19.00	1896.00	1896.00	19.00	2.43		
SanJuanfan_SP3_118	73.10	1.30	1.00	0.03	0.12	0.00	0.36	704.00	17.00	706.00	13.00	691.00	64.00	706.00	13.00	706.00	706.00	13.00	0.28		
SanJuanfan_SP3_119	96.40	0.90	5.96	0.30	0.38	0.03	0.71	1968.00	44.00	2060.00	110.00	1832.00	79.00	1832.00	79.00	1832.00	1832.00	79.00	12.45		
SanJuanfan_SP3_120	633.00	71.70	1.04	0.02	0.12	0.00	0.59	724.90	9.10	743.00	14.00	654.00	38.00	743.00	14.00	743.00	743.00	14.00	2.50		
SanJuanfan_SP3(bis)_1	363.00	3.73	0.58	0.01	0.07	0.00	0.34	466.20	7.10	466.40	9.90	495.00	54.00	466.40	9.90	466.40	466.40	9.90	0.04		
SanJuanfan_SP3(bis)_2	488.00	1.56	0.77	0.04	0.08	0.00	0.66	584.00	23.00	492.00	27.00	1043.00	91.00	492.00	27.00	1043.00	DISC	DISC	15.75		
SanJuanfan_SP3(bis)_3	189.00	5.11	1.57	0.05	0.16	0.01	0.65	961.00	18.00	953.00	31.00	997.00	56.00	997.00	56.00	997.00	997.00	56.00	4.41		
SanJuanfan_SP3(bis)_4	401.00	1.41	0.02	0.00	0.00	0.00	0.16	24.90	1.80	23.82	0.92	140.00	150.00	23.82	0.92	23.82	23.82	0.92	4.34		
SanJuanfan_SP3(bis)_5	331.00	2.70	0.38	0.01	0.05	0.00	0.27	327.30	6.40	330.90	7.30	312.00	58.00	330.90	7.30	330.90	330.90	7.30	1.10		
SanJuanfan_SP3(bis)_6	41.90	0.76	0.12	0.01	0.02	0.00	0.10	110.00	11.00	101.40	5.30	260.00	220.00	101.40	5.30	101.40	101.40	5.30	7.82		
SanJuanfan_SP3(bis)_7	312.00	2.02	0.39	0.01	0.05	0.00	0.62	332.60	9.90	316.00	11.00	495.00	81.00	316.00	11.00	316.00	316.00	11.00	4.99		
SanJuanfan_SP3(bis)_8	64.00	1.67	0.97	0.04	0.11	0.00	0.42	688.00	18.00	692.00	26.00	766.00	80.00	692.00	26.00	692.00	692.00	26.00	0.58		
SanJuanfan_SP3(bis)_9	306.30	4.14	0.63	0.02	0.08	0.00	0.23	498.00	10.00	482.30	9.60	619.00	64.00	482.30	9.60	482.30	482.30	9.60	3.15		
SanJuanfan_SP3(bis)_10	146.10	1.69	1.22	0.02	0.14	0.00	0.42	812.00	16.00	821.00	16.00	802.00	45.00	821.00	16.00	821.00	821.00	16.00	1.11		
SanJuanfan_SP3(bis)_11	118.60	2.27	0.84	0.03	0.10	0.00	0.57	622.00	16.00	600.00	22.00	746.00	81.00	600.00	22.00	600.00	600.00	22.00	3.54		
SanJuanfan_SP3(bis)_12	601.00	1.28	0.03	0.00	0.00	0.00	0.01	28.00	2.20	26.60	1.10	240.00	190.00	26.60	1.10	26.60	26.60	1.10	5.00		
SanJuanfan_SP3(bis)_13	473.00	2.23	0.34	0.01	0.05	0.00	0.38	299.80	7.20	295.20	6.20	330.00	60.00	295.20	6.20	295.20	295.20	6.20	1.53		

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm							Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	%	
SanLuanfan_SP3(bis)_14	276.70	2.39	0.36	0.01	0.05	0.00	0.41	313.70	7.60	311.70	7.50	354.00	65.00	311.70	7.50	0.64	
SanLuanfan_SP3(bis)_15	190.10	1.31	0.83	0.02	0.10	0.00	0.57	616.00	12.00	626.00	17.00	595.00	55.00	626.00	17.00	1.62	
SanLuanfan_SP3(bis)_16	504.00	4.43	0.58	0.01	0.08	0.00	0.57	465.00	8.40	473.00	13.00	429.00	49.00	473.00	13.00	1.72	
SanLuanfan_SP3(bis)_17	134.90	1.04	0.68	0.03	0.08	0.00	0.52	528.00	17.00	484.00	12.00	737.00	85.00	484.00	12.00	8.33	
SanLuanfan_SP3(bis)_18	549.00	3.01	0.35	0.01	0.05	0.00	0.52	305.50	5.90	301.10	8.10	391.00	58.00	301.10	8.10	1.44	
SanLuanfan_SP3(bis)_19	690.00	3.28	0.75	0.02	0.09	0.00	0.47	566.00	12.00	553.00	20.00	672.00	70.00	553.00	20.00	2.30	
SanLuanfan_SP3(bis)_20	409.00	1.71	0.85	0.03	0.10	0.00	0.37	623.00	14.00	618.00	18.00	655.00	74.00	618.00	18.00	0.80	
SanLuanfan_SP3(bis)_21	686.00	9.90	0.57	0.03	0.07	0.00	0.38	459.00	21.00	455.00	21.00	560.00	130.00	455.00	21.00	0.87	
SanLuanfan_SP3(bis)_22	310.00	1.85	0.34	0.01	0.05	0.00	0.49	301.80	6.00	300.50	6.50	309.00	52.00	300.50	6.50	0.43	
SanLuanfan_SP3(bis)_23	417.00	38.10	0.60	0.03	0.07	0.00	0.68	473.00	18.00	461.00	25.00	550.00	100.00	461.00	25.00	2.54	Rim
SanLuanfan_SP3(bis)_23	400.00	1.26	1.59	0.05	0.16	0.01	0.73	964.00	20.00	973.00	32.00	972.00	50.00	972.00	50.00	0.10	Core
SanLuanfan_SP3(bis)_24	168.00	0.72	0.75	0.02	0.09	0.00	0.31	568.10	9.60	563.00	14.00	645.00	62.00	563.00	14.00	0.90	
SanLuanfan_SP3(bis)_25	84.80	1.98	1.12	0.04	0.12	0.00	0.49	765.00	17.00	755.00	21.00	822.00	64.00	755.00	21.00	1.31	
SanLuanfan_SP3(bis)_26	324.00	2.50	0.38	0.01	0.05	0.00	0.27	324.60	6.70	316.60	6.20	400.00	59.00	316.60	6.20	2.46	
SanLuanfan_SP3(bis)_27	439.00	1.64	0.34	0.01	0.05	0.00	0.54	299.30	6.40	301.00	6.70	260.00	53.00	301.00	6.70	0.57	
SanLuanfan_SP3(bis)_28	466.00	1.46	0.35	0.01	0.05	0.00	0.60	307.90	6.50	296.20	5.20	375.00	48.00	296.20	5.20	3.80	
SanLuanfan_SP3(bis)_29	280.00	1.17	0.65	0.02	0.08	0.00	0.51	508.90	9.50	491.00	10.00	594.00	48.00	491.00	10.00	3.52	
SanLuanfan_SP3(bis)_30	305.00	2.12	0.84	0.04	0.11	0.00	0.65	619.00	22.00	646.00	16.00	574.00	74.00	646.00	16.00	4.36	
SanLuanfan_SP3(bis)_31	572.00	1.44	9.19	0.23	0.42	0.01	0.74	2358.00	22.00	2270.00	37.00	2453.00	30.00	2453.00	30.00	7.46	
SanLuanfan_SP3(bis)_32	196.40	2.28	0.76	0.02	0.09	0.00	0.53	572.90	9.80	569.00	12.00	612.00	48.00	569.00	12.00	0.68	
SanLuanfan_SP3(bis)_33	357.00	1.94	9.25	0.22	0.37	0.01	0.86	2360.00	22.00	2047.00	38.00	2637.00	20.00	2637.00	20.00	22.37	
SanLuanfan_SP3(bis)_34	275.00	0.96	1.73	0.03	0.17	0.00	0.60	1023.40	9.80	1007.00	16.00	1068.00	32.00	1068.00	32.00	5.71	
SanLuanfan_SP3(bis)_35	274.00	5.21	0.58	0.01	0.07	0.00	0.65	465.90	7.90	465.00	11.00	456.00	45.00	465.00	11.00	0.19	
SanLuanfan_SP3(bis)_36	469.00	2.68	0.69	0.01	0.09	0.00	0.56	534.10	8.10	531.40	8.90	531.00	39.00	531.40	8.90	0.51	
SanLuanfan_SP3(bis)_37	121.00	1.09	0.72	0.02	0.08	0.00	0.51	551.00	11.00	515.00	11.00	695.00	55.00	515.00	11.00	6.53	
SanLuanfan_SP3(bis)_38	1380.00	2.04	0.32	0.01	0.04	0.00	0.73	281.90	7.90	269.90	7.20	401.00	46.00	269.90	7.20	4.26	
SanLuanfan_SP3(bis)_39	380.00	2.25	0.81	0.02	0.09	0.00	0.69	603.30	8.90	578.00	10.00	675.00	34.00	578.00	10.00	4.19	
SanLuanfan_SP3(bis)_40	181.70	6.64	0.54	0.02	0.07	0.00	0.32	438.00	10.00	439.00	12.00	433.00	76.00	439.00	12.00	0.23	
SanLuanfan_SP3(bis)_41	127.70	0.96	1.55	0.04	0.16	0.00	0.45	950.00	18.00	934.00	21.00	998.00	55.00	998.00	55.00	6.41	
SanLuanfan_SP3(bis)_42	301.00	2.14	0.36	0.01	0.05	0.00	0.62	309.60	8.10	300.30	6.40	350.00	58.00	300.30	6.40	3.00	
SanLuanfan_SP3(bis)_43	125.00	2.78	0.92	0.04	0.11	0.00	0.59	662.00	19.00	685.00	23.00	623.00	65.00	685.00	23.00	3.47	
SanLuanfan_SP3(bis)_44	219.00	1.74	0.60	0.01	0.08	0.00	0.41	476.30	8.90	466.70	8.70	487.00	45.00	466.70	8.70	2.02	
SanLuanfan_SP3(bis)_45	446.00	1.61	0.91	0.02	0.11	0.00	0.60	657.40	9.30	643.00	11.00	653.00	36.00	643.00	11.00	2.19	
SanLuanfan_SP3(bis)_46	190.00	2.61	0.39	0.01	0.05	0.00	0.39	334.00	7.60	315.10	8.00	419.00	69.00	315.10	8.00	5.66	
SanLuanfan_SP3(bis)_47	228.00	1.97	0.75	0.02	0.09	0.00	0.51	566.00	13.00	544.00	13.00	643.00	56.00	544.00	13.00	3.89	
SanLuanfan_SP3(bis)_48	287.00	1.74	0.34	0.01	0.05	0.00	0.52	300.00	7.40	284.00	12.00	412.00	79.00	284.00	12.00	5.33	
SanLuanfan_SP3(bis)_49	137.00	0.97	0.75	0.02	0.09	0.00	0.42	567.00	13.00	563.00	11.00	563.00	63.00	563.00	11.00	0.71	
SanLuanfan_SP3(bis)_50	202.00	4.21	0.33	0.01	0.04	0.00	0.54	288.60	8.90	280.90	7.80	333.00	68.00	280.90	7.80	2.67	
SanLuanfan_SP3(bis)_51	265.00	1.37	6.56	0.23	0.38	0.01	0.85	2059.00	27.00	2066.00	63.00	2076.00	35.00	2076.00	35.00	0.48	
SanLuanfan_SP3(bis)_52	265.00	3.19	0.91	0.03	0.11	0.00	0.49	655.00	15.00	669.00	21.00	602.00	71.00	669.00	21.00	2.14	
SanLuanfan_SP3(bis)_53	300.00	2.16	0.34	0.01	0.05	0.00	0.39	296.70	6.50	307.30	6.10	217.00	61.00	307.30	6.10	3.57	
SanLuanfan_SP3(bis)_54	79.50	0.94	2.34	0.08	0.16	0.01	0.61	1220.00	24.00	945.00	31.00	1783.00	63.00	945.00	31.00	47.00	
SanLuanfan_SP3(bis)_55	387.00	1.72	0.35	0.01	0.05	0.00	0.62	303.10	5.70	303.30	6.20	296.00	44.00	303.30	6.20	0.07	
SanLuanfan_SP3(bis)_56	238.00	2.30	0.36	0.01	0.05	0.00	0.17	309.90	6.20	301.20	5.90	337.00	67.00	301.20	5.90	2.81	
SanLuanfan_SP3(bis)_57	135.20	1.41	0.51	0.02	0.07	0.00	0.30	420.00	10.00	432.80	9.80	357.00	71.00	432.80	9.80	3.05	
SanLuanfan_SP3(bis)_58	112.40	1.50	0.61	0.03	0.07	0.00	0.68	482.00	20.00	459.00	24.00	601.00	94.00	459.00	24.00	4.77	
SanLuanfan_SP3(bis)_59	256.00	7.17	0.64	0.02	0.08	0.00	0.57	506.00	10.00	504.00	12.00	478.00	52.00	504.00	12.00	0.40	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm		Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)		Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	%	
SanJuanfan_SP3(bis)_60	307.00	1.59	0.36	0.01	0.05	0.00	0.50	314.20	7.20	306.00	5.30	329.00	51.00	306.00	5.30	2.61	
SanJuanfan_SP3(bis)_61	282.00	1.64	0.44	0.02	0.06	0.00	0.32	368.00	11.00	354.40	8.70	444.00	81.00	354.40	8.70	3.70	
SanJuanfan_SP3(bis)_62	227.00	1.13	0.78	0.03	0.08	0.00	0.73	583.00	20.00	508.00	25.00	865.00	64.00	DISC	DISC	12.86	
SanJuanfan_SP3(bis)_63	303.00	8.33	0.53	0.01	0.07	0.00	0.64	434.90	9.60	409.80	8.50	527.00	39.00	409.80	8.50	5.77	
SanJuanfan_SP3(bis)_64	507.00	2.57	0.62	0.02	0.08	0.00	0.49	490.30	9.90	484.00	16.00	530.00	58.00	484.00	16.00	1.28	
SanJuanfan_SP3(bis)_65	355.00	1.76	0.78	0.02	0.09	0.00	0.46	583.00	8.90	575.00	11.00	595.00	43.00	575.00	11.00	1.37	
SanJuanfan_SP3(bis)_66	863.00	2.95	0.38	0.01	0.05	0.00	0.81	325.80	9.30	322.00	10.00	339.00	42.00	322.00	10.00	1.17	
SanJuanfan_SP3(bis)_67	405.00	2.88	0.41	0.01	0.06	0.00	0.47	346.40	6.10	347.50	6.60	330.00	43.00	347.50	6.60	0.32	
SanJuanfan_SP3(bis)_68	433.00	1.34	0.03	0.00	0.00	0.00	0.14	27.40	3.30	24.90	1.10	260.00	250.00	24.90	1.10	9.12	
SanJuanfan_SP3(bis)_69	270.00	1.37	0.81	0.02	0.10	0.00	0.78	599.00	12.00	598.00	12.00	620.00	37.00	598.00	12.00	0.17	
SanJuanfan_SP3(bis)_70	499.00	1.45	0.37	0.01	0.05	0.00	0.69	319.80	8.80	312.50	9.90	374.00	54.00	312.50	9.90	2.28	
SanJuanfan_SP3(bis)_71	417.00	3.00	1.01	0.02	0.12	0.00	0.66	706.00	10.00	710.00	18.00	690.00	41.00	710.00	18.00	0.57	
SanJuanfan_SP3(bis)_72	950.00	5.94	0.27	0.01	0.03	0.00	0.63	241.40	6.50	210.40	7.40	557.00	61.00	DISC	DISC	12.84	
SanJuanfan_SP3(bis)_73	301.00	2.15	0.61	0.02	0.08	0.00	0.48	481.70	9.60	473.00	10.00	552.00	57.00	473.00	10.00	1.81	
SanJuanfan_SP3(bis)_74	493.00	1.54	0.37	0.01	0.05	0.00	0.59	317.70	7.20	310.90	7.40	372.00	55.00	310.90	7.40	2.14	
SanJuanfan_SP3(bis)_75	210.20	1.32	1.06	0.03	0.12	0.00	0.48	735.00	12.00	723.00	12.00	746.00	45.00	723.00	12.00	1.63	
SanJuanfan_SP3(bis)_76	536.00	2.96	0.39	0.01	0.05	0.00	0.28	331.70	8.00	318.10	8.90	463.00	76.00	318.10	8.90	4.10	
SanJuanfan_SP3(bis)_77	1030.00	21.10	0.59	0.02	0.07	0.00	0.81	472.00	12.00	462.00	16.00	487.00	69.00	462.00	16.00	2.12	Rim
SanJuanfan_SP3(bis)_78	111.70	2.42	0.79	0.02	0.10	0.00	0.48	593.00	12.00	592.00	14.00	614.00	62.00	592.00	14.00	0.17	Core
SanJuanfan_SP3(bis)_79	204.00	2.49	0.56	0.02	0.07	0.00	0.34	452.40	9.50	441.00	13.00	485.00	77.00	441.00	13.00	2.52	
SanJuanfan_SP3(bis)_80	212.00	8.97	0.52	0.02	0.06	0.00	0.36	424.60	9.60	404.00	11.00	519.00	68.00	404.00	11.00	4.85	
SanJuanfan_SP3(bis)_81	65.90	1.83	1.03	0.04	0.12	0.00	0.26	719.00	18.00	703.00	19.00	799.00	68.00	703.00	19.00	2.23	
SanJuanfan_SP3(bis)_82	187.00	0.99	0.77	0.03	0.09	0.00	0.65	578.00	14.00	566.00	18.00	625.00	63.00	566.00	18.00	2.08	
SanJuanfan_SP3(bis)_83	208.00	2.82	0.72	0.01	0.09	0.00	0.58	549.90	8.20	525.50	9.40	600.00	39.00	525.50	9.40	4.44	
SanJuanfan_SP3(bis)_84	216.00	4.64	0.57	0.02	0.07	0.00	0.36	454.00	11.00	431.00	9.10	586.00	66.00	431.00	9.10	5.07	
SanJuanfan_SP3(bis)_85	451.00	2.64	0.36	0.01	0.05	0.00	0.43	316.00	10.00	294.90	8.60	440.00	76.00	294.90	8.60	6.68	
SanJuanfan_SP3(bis)_86	217.10	2.67	0.37	0.01	0.05	0.00	0.39	318.50	6.60	317.10	7.80	298.00	58.00	317.10	7.60	0.44	
SanJuanfan_SP3(bis)_87	226.00	1.72	0.36	0.01	0.05	0.00	0.41	309.90	8.10	308.00	7.80	305.00	63.00	308.00	7.80	0.61	
SanJuanfan_SP3(bis)_88	234.00	0.77	0.81	0.02	0.10	0.00	0.49	598.90	9.50	600.00	12.00	606.00	46.00	600.00	12.00	0.18	
SanJuanfan_SP3(bis)_89	369.00	3.72	0.35	0.01	0.05	0.00	0.52	305.60	5.50	304.50	6.10	292.00	46.00	304.50	6.10	0.36	
SanJuanfan_SP3(bis)_90	394.00	1.83	0.36	0.01	0.05	0.00	0.59	309.40	5.90	302.90	5.90	382.00	45.00	302.90	5.90	2.10	
SanJuanfan_SP3(bis)_91	218.00	4.19	0.58	0.01	0.08	0.00	0.61	461.40	8.40	469.00	11.00	443.00	52.00	469.00	11.00	1.65	
SanJuanfan_SP3(bis)_92	294.00	2.85	0.60	0.02	0.07	0.00	0.48	473.00	12.00	459.00	13.00	548.00	68.00	459.00	13.00	2.96	
SanJuanfan_SP3(bis)_93	59.00	1.98	1.44	0.04	0.14	0.00	0.42	904.00	18.00	864.00	20.00	997.00	65.00	997.00	65.00	13.34	
SanJuanfan_SP3(bis)_94	805.00	0.86	0.02	0.00	0.00	0.00	0.04	23.50	1.50	22.85	0.81	110.00	140.00	22.85	0.81	2.77	
SanJuanfan_SP3(bis)_95	274.00	2.82	0.37	0.01	0.05	0.00	0.40	317.30	6.30	313.60	6.10	327.00	51.00	313.60	6.10	1.17	
SanJuanfan_SP3(bis)_96	267.00	7.91	0.38	0.01	0.05	0.00	0.48	327.00	10.00	336.00	11.00	315.00	86.00	336.00	11.00	2.75	
SanJuanfan_SP3(bis)_97	156.00	2.10	0.96	0.03	0.11	0.00	0.44	684.00	16.00	652.00	16.00	797.00	59.00	652.00	16.00	4.68	
SanJuanfan_SP3(bis)_98	170.00	0.78	0.35	0.02	0.05	0.00	0.64	300.00	14.00	299.00	11.00	285.00	83.00	299.00	11.00	0.33	
SanJuanfan_SP3(bis)_99	432.00	2.29	0.41	0.01	0.05	0.00	0.11	346.10	9.80	342.00	9.50	396.00	93.00	342.00	9.50	1.18	
SanJuanfan_SP3(bis)_100	386.00	1.84	0.91	0.02	0.11	0.00	0.59	657.00	12.00	657.00	17.00	666.00	53.00	657.00	17.00	0.00	
SanJuanfan_SP3(bis)_101	169.00	2.12	0.33	0.01	0.05	0.00	0.45	292.00	7.30	298.90	6.40	270.00	57.00	298.90	6.40	2.36	
SanJuanfan_SP3(bis)_102	237.00	3.33	0.58	0.01	0.07	0.00	0.52	463.10	9.10	460.00	10.00	507.00	50.00	460.00	10.00	0.67	
SanJuanfan_SP3(bis)_103	462.00	1.59	0.38	0.01	0.05	0.00	0.71	322.00	10.00	326.00	12.00	263.00	66.00	326.00	12.00	1.24	
SanJuanfan_SP3(bis)_104	315.00	4.66	0.59	0.01	0.08	0.00	0.33	472.80	7.90	467.50	9.40	437.00	56.00	467.50	9.40	1.12	
SanJuanfan_SP3(bis)_105	160.00	2.71	2.33	0.06	0.22	0.01	0.64	1222.00	17.00	1264.00	31.00	1156.00	45.00	1156.00	45.00	9.34	

Sample	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error	206/238 Age (Ma)	2σ error	207/206 Age (Ma)	2σ error	Best age Age (Ma)	2σ error Age (Ma)	Discordance %	Rim / Core
SanJuanfan_SP3(bis)_106	89.30	0.81	8.75	0.28	0.39	0.01	0.81	2313.00	30.00	2128.00	67.00	2458.00	32.00	2458.00	32.00	13.43	
SanJuanfan_SP3(bis)_107	287.00	1.46	0.52	0.02	0.04	0.00	0.17	420.00	14.00	235.00	11.00	1544.00	97.00	DISC	DISC	44.05	
SanJuanfan_SP3(bis)_108	143.00	2.17	0.64	0.02	0.08	0.00	0.24	501.00	15.00	503.00	12.00	500.00	78.00	503.00	12.00	0.40	
SanJuanfan_SP3(bis)_110	257.00	2.63	0.38	0.01	0.05	0.00	0.46	329.40	9.10	315.30	7.60	367.00	74.00	315.30	7.60	4.28	
SanJuanfan_SP3(bis)_111	130.30	9.21	0.91	0.03	0.11	0.00	0.22	654.00	15.00	662.00	24.00	620.00	100.00	662.00	24.00	1.22	
SanJuanfan_SP3(bis)_112	628.00	2.53	0.35	0.01	0.05	0.00	0.49	305.30	6.20	293.60	6.00	336.00	46.00	293.60	6.00	3.83	
SanJuanfan_SP3(bis)_113	245.00	8.86	0.71	0.02	0.09	0.00	0.58	546.00	11.00	556.00	14.00	481.00	51.00	556.00	14.00	1.83	
SanJuanfan_SP3(bis)_114	566.00	1.90	0.27	0.01	0.03	0.00	0.45	241.90	7.10	176.30	6.90	929.00	73.00	DISC	DISC	27.12	
SanJuanfan_SP3(bis)_115	377.00	1.64	0.37	0.01	0.05	0.00	0.41	318.20	5.90	312.90	6.70	347.00	54.00	312.90	6.70	1.67	
SanJuanfan_SP3(bis)_116	528.00	2.50	0.63	0.02	0.08	0.00	0.57	497.00	10.00	490.00	14.00	521.00	59.00	490.00	14.00	1.41	
SanJuanfan_SP3(bis)_117	613.00	2.53	0.37	0.01	0.05	0.00	0.51	316.90	6.20	308.30	7.00	340.00	51.00	308.30	7.00	2.71	
SanJuanfan_SP3(bis)_118	238.00	1.82	0.35	0.02	0.05	0.00	0.41	307.00	11.00	302.00	12.00	217.00	79.00	302.00	12.00	1.63	
SanJuanfan_SP3(bis)_119	226.00	1.21	0.34	0.01	0.04	0.00	0.35	297.70	7.70	281.80	5.60	383.00	72.00	281.80	5.60	5.34	
SanJuanfan_SP3(bis)_120	273.00	3.03	0.51	0.02	0.06	0.00	0.59	414.00	14.00	353.50	9.70	772.00	65.00	DISC	DISC	14.61	
SanJuanfan_SP3(bis)_121	523.00	1.42	0.75	0.03	0.09	0.00	0.63	569.00	14.00	535.00	18.00	665.00	62.00	535.00	18.00	5.98	
SanJuanfan_SPI8_1	859.00	56.20	7.76	0.20	0.35	0.01	0.86	2205.00	24.00	1910.00	41.00	2481.00	25.00	2481.00	25.00	23.01	
SanJuanfan_SPI8_2	644.00	16.70	6.35	0.19	0.31	0.01	0.67	2022.00	27.00	1740.00	46.00	2320.00	46.00	2320.00	46.00	25.00	
SanJuanfan_SPI8_3	91.30	0.91	0.72	0.02	0.09	0.00	0.63	552.00	9.40	554.00	11.00	531.00	42.00	554.00	11.00	0.36	
SanJuanfan_SPI8_4	130.00	1.52	2.08	0.08	0.18	0.01	0.70	1137.00	28.00	1065.00	45.00	1285.00	68.00	1285.00	68.00	17.12	
SanJuanfan_SPI8_5	298.00	1.72	6.70	0.19	0.37	0.01	0.82	2068.00	24.00	2023.00	59.00	2120.00	33.00	2120.00	33.00	4.58	
SanJuanfan_SPI8_6	57.00	3.12	0.60	0.03	0.07	0.00	0.28	481.00	17.00	452.00	15.00	623.00	98.00	452.00	15.00	6.03	
SanJuanfan_SPI8_7	187.00	1.14	0.95	0.03	0.10	0.00	0.54	680.00	14.00	586.00	16.00	1001.00	53.00	DISC	DISC	13.82	
SanJuanfan_SPI8_8	91.50	2.05	1.87	0.03	0.18	0.00	0.55	1069.80	9.70	1085.00	16.00	1026.00	31.00	1026.00	31.00	5.75	
SanJuanfan_SPI8_9	69.70	2.94	6.86	0.13	0.38	0.01	0.69	2094.00	16.00	2081.00	39.00	2118.00	26.00	2118.00	26.00	1.75	
SanJuanfan_SPI8_10	177.40	6.14	0.62	0.02	0.08	0.00	0.43	491.00	13.00	485.00	14.00	497.00	79.00	485.00	14.00	1.22	
SanJuanfan_SPI8_11	62.00	2.86	1.66	0.08	0.17	0.01	0.68	989.00	31.00	998.00	45.00	938.00	77.00	938.00	77.00	6.40	
SanJuanfan_SPI8_12	558.00	3.15	0.40	0.01	0.05	0.00	0.51	343.10	4.90	342.10	6.00	351.00	39.00	342.10	6.00	0.29	
SanJuanfan_SPI8_13	233.00	9.17	0.73	0.01	0.09	0.00	0.47	556.50	8.10	561.00	11.00	526.00	40.00	561.00	11.00	0.81	
SanJuanfan_SPI8_14	936.00	1.71	0.40	0.01	0.05	0.00	0.66	341.80	4.10	342.20	5.30	351.00	28.00	342.20	5.30	0.12	
SanJuanfan_SPI8_15	246.00	5.06	1.47	0.04	0.15	0.00	0.74	920.00	17.00	920.00	26.00	919.00	42.00	919.00	42.00	0.11	
SanJuanfan_SPI8_16	515.00	11.10	1.13	0.04	0.12	0.01	0.62	767.00	19.00	710.00	38.00	921.00	93.00	710.00	38.00	7.43	
SanJuanfan_SPI8_17	40.10	0.53	4.80	0.08	0.32	0.01	0.44	1785.00	13.00	1809.00	33.00	1756.00	32.00	1756.00	32.00	3.02	
SanJuanfan_SPI8_18	66.60	0.49	0.90	0.02	0.11	0.00	0.37	652.00	12.00	645.00	12.00	687.00	55.00	645.00	12.00	1.07	
SanJuanfan_SPI8_19	322.00	35.50	1.04	0.03	0.12	0.00	0.73	724.00	13.00	738.00	19.00	718.00	43.00	738.00	19.00	1.93	
SanJuanfan_SPI8_20	96.60	3.39	1.44	0.04	0.15	0.00	0.72	902.00	15.00	886.00	26.00	949.00	41.00	949.00	41.00	6.64	
SanJuanfan_SPI8_21	556.00	2.29	0.86	0.02	0.10	0.00	0.64	629.40	9.20	621.00	12.00	656.00	34.00	621.00	12.00	1.33	
SanJuanfan_SPI8_22	100.00	2.25	1.66	0.04	0.16	0.00	0.61	990.00	13.00	942.00	22.00	1120.00	43.00	1120.00	43.00	15.89	
SanJuanfan_SPI8_23	192.30	2.35	7.24	0.09	0.39	0.01	0.53	2140.00	11.00	2126.00	24.00	2165.00	22.00	2165.00	22.00	1.80	
SanJuanfan_SPI8_24	68.70	1.35	0.66	0.02	0.08	0.00	0.20	513.50	9.10	522.00	10.00	497.00	59.00	522.00	10.00	1.66	
SanJuanfan_SPI8_25	222.00	2.81	1.16	0.03	0.13	0.00	0.67	783.00	12.00	782.00	14.00	814.00	32.00	782.00	14.00	0.13	
SanJuanfan_SPI8_26	528.00	4.24	4.09	0.17	0.24	0.01	0.94	1650.00	34.00	1374.00	56.00	2019.00	23.00	DISC	DISC	31.95	
SanJuanfan_SPI8_27	990.00	23.10	0.44	0.01	0.06	0.00	0.70	372.40	6.30	375.10	7.90	341.00	41.00	375.10	7.90	0.73	
SanJuanfan_SPI8_28	410.00	8.67	0.94	0.02	0.11	0.00	0.72	669.00	10.00	673.00	16.00	703.00	42.00	673.00	16.00	0.60	
SanJuanfan_SPI8_29	77.10	1.26	1.89	0.03	0.18	0.00	0.44	1078.00	10.00	1080.00	14.00	1114.00	30.00	1114.00	30.00	3.05	
SanJuanfan_SPI8_30	217.00	7.10	4.53	0.08	0.31	0.01	0.81	1737.00	14.00	1714.00	35.00	1793.00	24.00	1793.00	24.00	4.41	
SanJuanfan_SPI8_31	163.90	2.53	0.83	0.02	0.10	0.00	0.67	614.00	12.00	617.00	16.00	596.00	44.00	617.00	16.00	0.49	
SanJuanfan_SPI8_32	107.00	6.48	0.69	0.03	0.08	0.00	0.55	535.00	15.00	519.00	16.00	602.00	72.00	519.00	16.00	2.99	

Annex 4: dades d'U-Pb en zircons detrítics

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	Age (Ma)	2σ error	207/206	2σ error	Age (Ma)	2σ error	Best age	2σ error	Discordance	Rim / Core
Sanluanfan_SP18_33_	141.80	1.29	0.83	0.02	0.10	0.00	0.50	614.00	11.00	610.00	11.00	672.00	55.00	610.00	11.00	610.00	11.00	610.00	11.00	0.65	Core
Sanluanfan_SP18_34_	174.00	2.28	0.67	0.01	0.09	0.00	0.59	521.40	8.20	526.20	9.90	500.00	39.00	526.20	9.90	526.20	9.90	526.20	9.90	0.92	Rim
Sanluanfan_SP18_34_	170.50	2.22	0.67	0.01	0.09	0.00	0.64	520.70	8.20	528.00	10.00	507.00	40.00	528.00	10.00	528.00	10.00	528.00	10.00	1.40	Core
Sanluanfan_SP18_35_	241.00	6.02	0.85	0.02	0.11	0.00	0.47	621.00	10.00	647.00	13.00	564.00	48.00	647.00	13.00	647.00	13.00	647.00	13.00	4.19	
Sanluanfan_SP18_36_	89.00	2.91	3.21	0.24	0.22	0.02	0.81	1455.00	62.00	1249.00	89.00	1813.00	82.00	1249.00	89.00	1249.00	89.00	1249.00	89.00	31.11	
Sanluanfan_SP18_37_	109.80	1.37	1.58	0.03	0.15	0.00	0.58	964.00	12.00	923.00	17.00	1045.00	43.00	1045.00	43.00	1045.00	43.00	1045.00	43.00	11.67	
Sanluanfan_SP18_38_	315.00	0.98	4.09	0.09	0.29	0.01	0.71	1651.00	21.00	1653.00	36.00	1648.00	32.00	1648.00	32.00	1648.00	32.00	1648.00	32.00	0.30	
Sanluanfan_SP18_39_	25.90	1.13	1.13	0.04	0.11	0.00	0.21	767.00	18.00	660.00	24.00	1100.00	90.00	1100.00	90.00	1100.00	90.00	1100.00	90.00	13.95	
Sanluanfan_SP18_40_	191.40	1.35	1.34	0.02	0.14	0.00	0.48	864.00	10.00	847.00	17.00	900.00	43.00	847.00	17.00	847.00	17.00	847.00	17.00	1.97	
Sanluanfan_SP18_41_	98.80	0.83	5.62	0.10	0.35	0.01	0.65	1917.00	15.00	1934.00	37.00	1890.00	28.00	1890.00	28.00	1890.00	28.00	1890.00	28.00	2.33	
Sanluanfan_SP18_42_	159.50	1.36	11.53	0.21	0.47	0.01	0.68	2565.00	17.00	2483.00	47.00	2626.00	28.00	2626.00	28.00	2626.00	28.00	2626.00	28.00	5.45	
Sanluanfan_SP18_43_	205.80	12.04	0.62	0.01	0.08	0.00	0.55	488.50	6.80	497.50	7.30	450.00	38.00	497.50	7.30	497.50	7.30	497.50	7.30	1.84	
Sanluanfan_SP18_44_	331.20	2.90	0.88	0.02	0.10	0.00	0.72	641.00	11.00	623.00	17.00	649.00	50.00	623.00	17.00	623.00	17.00	623.00	17.00	2.81	
Sanluanfan_SP18_45_	257.00	1.88	2.05	0.03	0.19	0.00	0.58	1132.80	9.50	1128.00	18.00	1096.00	30.00	1096.00	30.00	1096.00	30.00	1096.00	30.00	2.92	
Sanluanfan_SP18_46_	165.00	2.23	6.84	0.35	0.37	0.03	0.76	2086.00	45.00	2050.00	140.00	2140.00	110.00	2140.00	110.00	2140.00	110.00	2140.00	110.00	4.21	Rim
Sanluanfan_SP18_46_	125.00	1.08	13.42	0.47	0.52	0.02	0.82	2704.00	33.00	2702.00	85.00	2689.00	40.00	2689.00	40.00	2689.00	40.00	2689.00	40.00	0.48	Core
Sanluanfan_SP18_47_	132.00	7.02	1.68	0.06	0.15	0.01	0.65	998.00	23.00	925.00	32.00	1099.00	60.00	1099.00	60.00	1099.00	60.00	1099.00	60.00	15.83	
Sanluanfan_SP18_48_	182.00	4.03	2.35	0.09	0.21	0.01	0.69	1223.00	29.00	1206.00	52.00	1280.00	63.00	1280.00	63.00	1280.00	63.00	1280.00	63.00	5.78	
Sanluanfan_SP18_49_	300.00	2.07	0.36	0.01	0.05	0.00	0.57	313.40	7.90	301.00	12.00	368.00	76.00	301.00	12.00	301.00	12.00	301.00	12.00	3.96	
Sanluanfan_SP18_50_	487.00	1.61	0.69	0.01	0.09	0.00	0.60	530.90	8.50	529.00	10.00	546.00	42.00	529.00	10.00	529.00	10.00	529.00	10.00	0.36	
Sanluanfan_SP18_51_	115.60	1.41	5.24	0.08	0.33	0.01	0.68	1858.00	13.00	1850.00	26.00	1886.00	23.00	1886.00	23.00	1886.00	23.00	1886.00	23.00	1.91	
Sanluanfan_SP18_52_	898.00	1.99	0.42	0.01	0.06	0.00	0.68	353.50	5.50	350.50	7.30	404.00	38.00	350.50	7.30	350.50	7.30	350.50	7.30	0.85	
Sanluanfan_SP18_53_	38.90	1.95	0.66	0.03	0.08	0.00	0.48	517.00	18.00	496.00	19.00	632.00	93.00	496.00	19.00	496.00	19.00	496.00	19.00	4.06	
Sanluanfan_SP18_54_	336.00	6.02	16.85	0.27	0.58	0.01	0.75	2928.00	16.00	2926.00	59.00	2914.00	22.00	2914.00	22.00	2914.00	22.00	2914.00	22.00	0.41	
Sanluanfan_SP18_55_	342.00	11.51	0.47	0.02	0.05	0.00	0.18	387.00	12.00	338.00	18.00	700.00	130.00	700.00	130.00	700.00	130.00	700.00	130.00	12.66	
Sanluanfan_SP18_56_	140.60	1.00	0.68	0.02	0.08	0.00	0.42	526.00	14.00	520.00	13.00	586.00	77.00	520.00	13.00	520.00	13.00	520.00	13.00	1.14	
Sanluanfan_SP18_57_	162.10	0.96	0.92	0.02	0.11	0.00	0.59	659.40	9.70	658.00	13.00	678.00	39.00	658.00	13.00	658.00	13.00	658.00	13.00	0.21	
Sanluanfan_SP18_58_	93.20	1.86	1.60	0.04	0.16	0.00	0.52	972.00	17.00	981.00	25.00	974.00	56.00	974.00	56.00	974.00	56.00	974.00	56.00	0.72	
Sanluanfan_SP18_59_	268.90	1.38	1.63	0.03	0.16	0.01	0.61	981.00	12.00	969.00	29.00	1064.00	49.00	1064.00	49.00	1064.00	49.00	1064.00	49.00	8.93	
Sanluanfan_SP18_60_	793.00	1.86	0.38	0.00	0.05	0.00	0.43	325.50	3.60	329.20	4.30	309.00	28.00	329.20	4.30	329.20	4.30	329.20	4.30	1.14	
Sanluanfan_SP18_61_	213.00	7.10	0.64	0.01	0.08	0.00	0.48	499.50	7.10	502.90	9.90	503.00	45.00	502.90	9.90	502.90	9.90	502.90	9.90	0.68	
Sanluanfan_SP18_62_	352.00	7.11	0.63	0.02	0.08	0.00	0.65	496.10	9.60	494.00	14.00	543.00	51.00	494.00	14.00	494.00	14.00	494.00	14.00	0.42	
Sanluanfan_SP18_63_	162.90	4.23	1.27	0.05	0.12	0.01	0.78	832.00	21.00	731.00	30.00	1131.00	67.00	1131.00	67.00	1131.00	67.00	1131.00	67.00	12.14	
Sanluanfan_SP18_64_	72.60	13.40	6.09	0.11	0.36	0.01	0.79	1988.00	16.00	1974.00	38.00	2017.00	24.00	2017.00	24.00	2017.00	24.00	2017.00	24.00	2.13	
Sanluanfan_SP18_65_	399.00	1.70	0.37	0.01	0.05	0.00	0.47	319.30	4.40	318.70	5.50	329.00	41.00	318.70	5.50	318.70	5.50	318.70	5.50	0.19	
Sanluanfan_SP18_66_	166.00	2.56	0.91	0.02	0.11	0.00	0.56	656.30	9.00	666.00	13.00	627.00	40.00	666.00	13.00	666.00	13.00	666.00	13.00	1.48	
Sanluanfan_SP18_67_	246.60	4.37	1.37	0.02	0.15	0.00	0.57	875.60	9.20	888.00	14.00	871.00	30.00	871.00	30.00	871.00	30.00	871.00	30.00	1.95	
Sanluanfan_SP18_68_	597.00	21.20	1.06	0.08	0.12	0.01	0.80	732.00	40.00	704.00	41.00	835.00	95.00	704.00	41.00	704.00	41.00	704.00	41.00	3.83	Rim
Sanluanfan_SP18_69_	85.50	1.12	5.27	0.11	0.33	0.01	0.63	1866.00	17.00	1836.00	39.00	1920.00	35.00	1920.00	35.00	1920.00	35.00	1920.00	35.00	4.38	Core
Sanluanfan_SP18_69_	320.00	7.30	0.67	0.02	0.09	0.00	0.71	518.00	13.00	533.00	13.00	475.00	53.00	533.00	13.00	533.00	13.00	533.00	13.00	2.90	
Sanluanfan_SP18_70_	163.20	3.16	1.74	0.03	0.17	0.00	0.55	1021.00	11.00	1025.00	18.00	1012.00	35.00	1012.00	35.00	1012.00	35.00	1012.00	35.00	1.28	
Sanluanfan_SP18_71_	598.00	3.38	1.93	0.11	0.15	0.01	0.68	1092.00	37.00	881.00	50.00	1550.00	91.00	881.00	50.00	881.00	50.00	881.00	50.00	43.16	
Sanluanfan_SP18_72_	756.00	2.87	0.46	0.01	0.05	0.00	0.48	382.00	9.10	327.80	8.40	732.00	59.00	327.80	8.40	327.80	8.40	327.80	8.40	14.19	
Sanluanfan_SP18_73_	172.00	1.02	0.67	0.02	0.08	0.00	0.49	522.00	10.00	525.00	11.00	521.00	51.00	525.00	11.00	525.00	11.00	525.00	11.00	0.57	
Sanluanfan_SP18_74_	369.70	2.39	0.71	0.02	0.09	0.00	0.74	545.00	12.00	555.00	17.00	523.00	48.00	555.00	17.00	555.00	17.00	555.00	17.00	1.83	
Sanluanfan_SP18_75_	174.20	2.34	0.87	0.02	0.10	0.00	0.55	633.00	13.00	615.00	20.00	679.00	62.00	615.00	20.00	615.00	20.00	615.00	20.00	2.84	
Sanluanfan_SP18_76_	70.10	0.73	1.02	0.03	0.11	0.00	0.44	710.00	14.00	685.00	14.00	811.00	55.00	685.00	14.00	685.00	14.00	685.00	14.00	3.52	

Sample	[U]	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235	2σ error	206/238	2σ error	207/235	2σ error	207/206	2σ error	Best age	2σ error	Discordance	Rim / Core
	ppm							Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	Age (Ma)	%	
SanJuanfan_SP18_77	76.30	1.42	0.95	0.03	0.11	0.00	0.46	678.00	13.00	682.00	16.00	680.00	58.00	680.00	58.00	682.00	16.00	0.59	
SanJuanfan_SP18_78	272.00	3.98	1.28	0.02	0.14	0.00	0.43	836.00	11.00	853.00	18.00	778.00	45.00	778.00	45.00	778.00	18.00	2.03	
SanJuanfan_SP18_79	780.00	1.82	0.41	0.01	0.05	0.00	0.46	352.60	8.90	315.10	9.10	575.00	68.00	DISC	DISC	DISC	DISC	10.64	
SanJuanfan_SP18_80	200.00	1.27	0.36	0.01	0.05	0.00	0.46	314.30	7.20	305.50	8.20	391.00	66.00	305.50	305.50	305.50	8.20	2.80	
SanJuanfan_SP18_81	357.00	1.91	0.71	0.02	0.09	0.00	0.65	541.10	9.60	527.00	13.00	585.00	50.00	527.00	527.00	527.00	13.00	2.61	
SanJuanfan_SP18_82	251.30	1.80	1.29	0.02	0.13	0.00	0.38	840.00	11.00	812.00	23.00	908.00	60.00	812.00	812.00	812.00	23.00	3.33	
SanJuanfan_SP18_83	259.00	1.80	1.33	0.03	0.14	0.00	0.74	859.00	13.00	844.00	21.00	876.00	38.00	844.00	844.00	844.00	21.00	1.75	
SanJuanfan_SP18_84	425.00	12.92	6.04	0.16	0.35	0.01	0.76	1981.00	24.00	1926.00	51.00	2067.00	39.00	2067.00	2067.00	2067.00	39.00	6.82	
SanJuanfan_SP18_85	266.00	2.30	1.10	0.02	0.13	0.00	0.54	751.10	9.50	763.00	15.00	704.00	43.00	763.00	763.00	763.00	15.00	1.58	
SanJuanfan_SP18_86	105.00	1.09	1.70	0.05	0.17	0.01	0.61	1007.00	20.00	1017.00	29.00	980.00	57.00	980.00	980.00	980.00	57.00	3.78	
SanJuanfan_SP18_87	113.50	1.14	1.90	0.06	0.19	0.01	0.58	1076.00	22.00	1113.00	46.00	1042.00	68.00	1042.00	1042.00	1042.00	68.00	6.81	
SanJuanfan_SP18_88	663.00	9.00	0.63	0.02	0.07	0.00	0.47	493.00	10.00	460.00	11.00	639.00	48.00	460.00	460.00	460.00	11.00	6.69	
SanJuanfan_SP18_89	64.20	0.96	1.73	0.05	0.17	0.01	0.59	1016.00	19.00	1006.00	33.00	1016.00	67.00	1016.00	1016.00	1016.00	67.00	0.98	
SanJuanfan_SP18_90	160.40	0.61	1.57	0.03	0.15	0.00	0.54	957.00	14.00	927.00	24.00	1039.00	48.00	1039.00	1039.00	1039.00	48.00	10.78	
SanJuanfan_SP18_91	156.60	3.27	0.93	0.02	0.11	0.00	0.63	668.00	10.00	680.00	15.00	628.00	48.00	680.00	680.00	680.00	15.00	1.80	
SanJuanfan_SP18_92	267.00	2.71	16.60	0.37	0.55	0.01	0.65	2912.00	21.00	2825.00	58.00	2973.00	30.00	2973.00	2973.00	2973.00	30.00	4.98	
SanJuanfan_SP18_93	454.00	5.85	0.68	0.02	0.09	0.00	0.56	525.90	9.40	532.00	16.00	498.00	51.00	532.00	532.00	532.00	16.00	1.16	
SanJuanfan_SP18_94	76.20	1.76	1.61	0.04	0.16	0.00	0.36	971.00	15.00	971.00	23.00	1019.00	51.00	1019.00	1019.00	1019.00	51.00	4.71	
SanJuanfan_SP18_95	96.10	1.40	0.87	0.03	0.10	0.00	0.43	636.00	14.00	613.00	19.00	778.00	69.00	613.00	613.00	613.00	19.00	3.62	
SanJuanfan_SP18_96	183.00	2.14	1.23	0.04	0.13	0.01	0.67	812.00	17.00	801.00	29.00	889.00	66.00	801.00	801.00	801.00	29.00	1.35	
SanJuanfan_SP18_97	356.00	246.00	0.42	0.02	0.06	0.00	0.66	353.00	16.00	352.00	27.00	420.00	130.00	420.00	352.00	352.00	27.00	0.28	Rim
SanJuanfan_SP18_97	166.70	1.20	1.57	0.04	0.16	0.00	0.43	962.00	16.00	936.00	27.00	1024.00	68.00	1024.00	1024.00	1024.00	68.00	8.59	Core
SanJuanfan_SP18_98	189.00	1.32	4.67	0.15	0.29	0.01	0.59	1763.00	28.00	1653.00	58.00	1943.00	62.00	1943.00	1943.00	1943.00	62.00	14.93	
SanJuanfan_SP18_99	377.00	2.40	0.41	0.01	0.05	0.00	0.46	351.90	8.20	339.00	15.00	454.00	92.00	339.00	339.00	339.00	15.00	3.67	
SanJuanfan_SP18_100	332.00	2.29	0.39	0.02	0.05	0.00	0.48	333.00	13.00	319.00	18.00	430.00	110.00	319.00	319.00	319.00	18.00	4.20	
SanJuanfan_SP18_101	72.30	1.04	1.63	0.05	0.16	0.01	0.52	983.00	22.00	974.00	31.00	1020.00	65.00	1020.00	1020.00	1020.00	65.00	4.51	
SanJuanfan_SP18_102	297.00	14.10	1.11	0.05	0.13	0.01	0.74	756.00	24.00	759.00	36.00	825.00	80.00	759.00	759.00	759.00	36.00	0.40	Rim
SanJuanfan_SP18_102	305.00	1.16	5.48	0.18	0.34	0.02	0.81	1902.00	31.00	1894.00	70.00	1951.00	45.00	1951.00	1951.00	1951.00	45.00	2.92	Core
SanJuanfan_SP18_103	321.00	0.84	0.57	0.01	0.07	0.00	0.40	455.50	8.10	456.80	9.50	453.00	55.00	456.80	456.80	456.80	9.50	0.29	
SanJuanfan_SP18_104	554.00	9.79	0.68	0.02	0.09	0.00	0.57	529.00	11.00	533.00	15.00	532.00	56.00	533.00	533.00	533.00	15.00	0.76	
SanJuanfan_SP18_105	131.10	1.60	0.57	0.02	0.07	0.00	0.49	455.00	15.00	452.00	25.00	490.00	110.00	452.00	452.00	452.00	25.00	0.66	
SanJuanfan_SP18_106	446.00	2.25	0.40	0.01	0.05	0.00	0.76	340.50	7.60	341.20	9.60	357.00	52.00	341.20	341.20	341.20	9.60	0.21	
SanJuanfan_SP18_108	296.00	5.79	1.27	0.03	0.14	0.00	0.67	831.00	15.00	840.00	26.00	810.00	60.00	840.00	840.00	840.00	26.00	1.08	
SanJuanfan_SP18_109	330.00	2.13	1.65	0.02	0.17	0.00	0.65	990.80	9.00	992.00	14.00	990.00	26.00	990.00	990.00	990.00	26.00	0.20	
SanJuanfan_SP18_110	45.90	11.02	0.86	0.03	0.09	0.00	0.44	634.00	17.00	572.00	21.00	855.00	78.00	855.00	855.00	855.00	78.00	9.78	
SanJuanfan_SP18_111	296.00	8.70	0.92	0.04	0.11	0.01	0.76	661.00	21.00	644.00	29.00	729.00	65.00	644.00	644.00	644.00	29.00	2.57	Rim
SanJuanfan_SP18_111	68.20	1.19	1.64	0.04	0.16	0.00	0.64	985.00	17.00	944.00	26.00	1102.00	51.00	1102.00	1102.00	1102.00	51.00	14.34	Core
SanJuanfan_SP18_112	434.00	2.46	11.48	0.29	0.47	0.01	0.32	2561.00	24.00	2465.00	62.00	2608.00	61.00	2608.00	2608.00	2608.00	61.00	5.48	
SanJuanfan_SP18_113	144.00	1.54	1.89	0.04	0.18	0.00	0.67	1076.00	15.00	1072.00	26.00	1067.00	47.00	1067.00	1067.00	1067.00	47.00	0.47	
SanJuanfan_SP18_114	299.00	2.07	0.40	0.01	0.05	0.00	0.38	339.80	6.00	334.20	7.20	323.00	56.00	334.20	334.20	334.20	7.20	1.65	
SanJuanfan_SP18_115	413.00	2.38	0.43	0.01	0.06	0.00	0.51	366.70	5.50	350.00	7.70	400.00	48.00	400.00	400.00	400.00	7.70	4.55	
SanJuanfan_SP18_116	387.00	2.41	0.42	0.01	0.05	0.00	0.51	354.00	6.30	311.40	5.30	616.00	49.00	616.00	DISC	DISC	DISC	12.03	
SanJuanfan_SP18_117	220.80	2.69	0.90	0.02	0.10	0.00	0.57	653.70	7.70	613.00	11.00	749.00	34.00	613.00	613.00	613.00	11.00	6.23	
SanJuanfan_SP18_118	789.00	7.01	0.41	0.01	0.05	0.00	0.63	348.70	6.60	325.00	7.80	465.00	43.00	325.00	325.00	325.00	7.80	6.80	
SanJuanfan_SP18_119	355.00	3.69	1.06	0.03	0.11	0.00	0.80	734.00	17.00	695.00	24.00	830.00	47.00	695.00	695.00	695.00	24.00	5.31	
SanJuanfan_SP18_120	181.30	12.94	0.67	0.02	0.08	0.00	0.56	519.50	9.20	511.00	13.00	495.00	52.00	511.00	511.00	511.00	13.00	1.64	

