Geological Magazine

Phased Evolution and Variation of South Asian Monsoon, Weathering and Surface Erosion in Himalaya-Karakoram Mountains since late Pliocene from IODP Hole U1456A in Eastern Arabian Sea

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Supplementary Material

Table S1. Compiled zircon U-Pb ages of potential sources

Table S1.a. Compiled zircon U-Pb ages of Karakoram

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
Parrish and Tirrul (1989)		717.0	8.7	16.0	0.1
21.0	0.5	1016.0	9.2	19.7	0.1
21.0	0.5	14.9	0.9	18.0	0.1
Searle et al. (1990)		11.6	0.7	25.2	0.2
133.1	2.0	1437.0	33.0	19.6	0.0
126.8	2.0	743.0	6.2	18.1	0.1
124.2	2.4	40.8	0.6	16.3	0.1
144.2	2.0	Fraser et al. (2001)		18.7	0.1
180.0	1.8	106.0	0.4	15.9	0.1
Schärer et al. (1990)		105.0	0.9	Heuberger et al. (2007)	
27.2	1.0	106.0	0.5	121.2	0.5
33.9	1.0	48.6	0.3	147.3	0.9
27.9	1.0	48.1	0.3	121.4	0.9
65.7	1.0	48.5	0.2	103.9	0.9
117.0	1.0	50.7	0.2	132.7	0.9
128.0	1.0	34.1	0.2	103.6	0.3
Weinberg et al. (2000)		34.8	0.1	633.9	1.0
68.5	0.6	9.2	0.1	190.2	0.7
68.6	0.6	7.1	0.1	103.6	0.7
68.7	0.6	7.9	0.1	105.3	0.4
67.7	0.6	19.5	0.2	105.4	0.6
68.5	0.6	25.4	0.2	105.1	0.7
70.3	1.2	25.5	0.1	107.0	0.5
68.5	1.1	36.5	0.3	107.2	0.4
66.9	1.0	152.6	1.1	106.7	0.6
70.7	0.8	37.5	0.2	107.0	0.4
67.3	2.0	33.3	0.7	107.3	0.4
66.8	2.0	26.9	0.4	106.9	0.8
57.0	2.5	59.8	4.5	106.8	0.9
63.2	1.7	73.0	5.9	107.0	0.4
65.2	1.6	70.0	5.1	107.0	0.5
56.1	2.0	57.2	4.2	106.9	0.4
62.5	2.0	66.3	4.9	106.4	0.7
68.8	1.2	68.0	5.1	Jain and Singh (2008)	
14.6	0.6	65.0	4.9	74.0	2.0
15.3	0.6	Phillips et al. (2004)		77.0	1.0
14.4	0.8	16.0	0.2	61.0	1.0
14.4	0.7	24.4	0.1	72.0	2.0
15.8	0.6	13.7	0.2	76.0	1.0
15.4	0.6	19.3	0.2	75.0	2.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
76.0	1.0	69.0	1.0	46.0	2.0
71.0	3.0	62.0	1.0	52.0	2.0
75.0	1.0	60.0	1.0	Ravikant et al. (2009)	
73.0	1.0	67.0	1.0	102.0	2.0
71.0	1.0	57.0	1.0	101.0	2.0
76.0	1.0	65.0	1.0	106.0	3.0
79.0	1.0	65.0	1.0	109.0	2.0
75.0	1.0	62.0	1.0	107.0	2.0
77.0	1.0	57.0	1.0	96.0	2.0
74.0	1.0	54.0	2.0	103.0	2.0
72.0	1.0	59.0	1.0	99.0	2.0
72.0	2.0	59.0	1.0	102.0	2.0
76.0	1.0	63.0	1.0	108.0	2.0
69.0	1.0	61.0	1.0	105.0	2.0
76.0	1.0	63.0	1.0	106.0	3.0
76.0	1.0	57.0	3.0	103.0	2.0
72.0	1.0	60.0	1.0	106.0	2.0
66.0	1.0	65.0	1.0	105.0	2.0
23.0	0.1	56.0	1.0	103.0	2.0
22.0	0.1	58.0	1.0	99.0	2.0
21.0	0.1	68.0	1.0	98.0	2.0
21.0	0.1	59.0	2.0	105.0	2.0
20.0	0.1	60.0	1.0	104.0	2.0
19.0	1.0	62.0	1.0	103.0	2.0
22.0	0.1	62.0	1.0	107.0	2.0
21.0	0.1	62.0	1.0	105.0	2.0
20.0	0.1	61.0	1.0	92.0	3.0
21.0	2.0	61.0	1.0	103.0	2.0
23.0	0.1	60.0	1.0	101.0	2.0
23.0	0.1	57.0	1.0	100.0	2.0
21.0	0.1	62.0	1.0	102.0	2.0
20.0	0.1	60.0	1.0	645.0	14.0
23.0	1.0	54.0	2.0	104.0	2.0
19.0	1.0	61.0	1.0	105.0	3.0
40.0	1.0	59.0	1.0	104.0	3.0
26.0	1.0	45.0	1.0	103.0	3.0
64.0	1.0	61.0	1.0	106.0	2.0
53.0	1.0	57.0	1.0	100.0	2.0
58.0	1.0	61.0	1.0	101.0	2.0
62.0	1.0	60.0	1.0	103.0	2.0
51.0	1.0	61.0	1.0	100.0	2.0
65.0	1.0	45.0	2.0	112.0	3.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
123.0	3.0	73.0	2.0	55.0	1.0
97.0	2.0	73.0	2.0	56.0	1.0
97.0	2.0	72.0	2.0	57.0	2.0
102.0	2.0	72.0	2.0	55.0	2.0
103.0	2.0	73.0	2.0	57.0	1.0
110.0	2.0	71.0	2.0	57.0	1.0
101.0	2.0	73.0	3.0	58.0	1.0
90.0	2.0	78.0	2.0	56.0	1.0
99.0	2.0	53.0	1.0	55.0	1.0
105.0	2.0	71.0	2.0	55.0	2.0
102.0	2.0	69.0	2.0	56.0	1.0
98.0	2.0	71.0	2.0	53.0	2.0
107.0	2.0	76.0	2.0	56.0	3.0
99.0	2.0	78.0	2.0	54.0	1.0
101.0	2.0	66.0	2.0	18.2	0.4
99.0	2.0	75.0	2.0	54.0	2.0
96.0	2.0	71.0	2.0	38.7	0.6
102.0	2.0	73.0	2.0	518.0	8.0
106.0	3.0	64.0	1.0	16.6	0.2
74.0	2.0	66.0	1.0	155.0	2.0
76.0	2.0	65.0	1.0	61.0	1.0
76.0	3.0	63.0	1.0	21.8	0.4
76.0	2.0	60.0	1.0	56.0	1.0
76.0	2.0	64.0	1.0	19.8	0.3
74.0	1.0	64.0	1.0	47.0	1.0
72.0	3.0	64.0	1.0	605.0	9.0
71.0	1.0	64.0	1.0	622.0	10.0
48.0	2.0	60.0	1.0	32.7	0.6
74.0	1.0	61.0	1.0	19.3	0.3
74.0	2.0	64.0	1.0	25.2	0.4
72.0	1.0	58.0	1.0	617.0	9.0
75.0	4.0	65.0	1.0	60.0	2.0
70.0	1.0	61.0	1.0	63.0	1.0
74.0	2.0	61.0	1.0	60.0	1.0
72.0	1.0	65.0	1.0	17.2	0.4
71.0	2.0	63.0	1.0	781.0	16.0
49.0	1.0	60.0	1.0	187.0	4.0
51.0	1.0	57.0	4.0	18.7	0.4
73.0	1.0	55.0	1.0	515.0	10.0
74.0	2.0	57.0	1.0	32.5	0.7
69.0	2.0	57.0	1.0	489.0	10.0
69.0	2.0	57.0	1.0	18.0	0.4

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
20.9	0.9	70.3	1.0	14.2	4.0
18.0	0.4	72.6	1.1	18.5	0.4
19.2	1.0	72.2	1.0	19.6	11.6
18.0	0.4	74.5	1.3	20.1	0.3
372.0	8.0	70.5	1.1	Leloup et al. (2011)	
18.5	0.4	71.1	1.0	17.7	0.7
437.0	9.0	69.9	0.9	19.2	0.3
643.0	13.0	71.7	1.0	18.7	0.3
20.0	0.4	70.1	0.9	18.3	0.3
17.6	0.4	71.0	1.2	18.6	0.2
44.0	1.0	72.6	0.9	18.9	0.3
16.2	0.3	67.3	0.7	19.0	0.5
241.0	6.0	70.6	0.9	18.6	0.3
20.3	0.4	72.1	0.9	17.7	0.3
396.0	8.0	69.0	1.2	18.4	0.3
17.7	0.4	72.7	0.9	18.8	0.3
18.5	0.4	73.7	0.8	18.6	0.6
209.0	4.0	72.0	1.7	19.2	0.6
97.0	3.0	69.6	0.9	18.3	0.6
66.0	1.0	69.8	0.9	18.0	0.5
553.0	9.0	69.8	1.0	18.9	0.2
19.6	0.4	73.3	1.0	17.9	1.0
19.0	0.3	70.5	1.0	18.1	0.6
338.0	6.0	68.1	0.9	18.6	0.5
34.0	1.0	71.6	0.9	18.7	0.3
188.0	8.0	70.8	1.3	19.4	0.4
23.0	2.0	73.3	0.8	18.2	0.5
42.5	0.9	70.1	1.1	18.5	0.3
59.0	2.0	16.4	3.7	18.8	0.3
346.0	8.0	15.5	2.9	18.6	0.3
21.5	0.7	18.6	3.7	18.2	0.3
18.6	0.5	8.3	6.8	19.6	0.7
111.0	2.0	11.7	3.2	18.0	0.2
174.0	6.0	18.4	2.3	18.2	0.3
369.0	6.0	18.0	2.4	18.2	0.3
Reichardt et al. (2010)		17.0	3.3	18.6	1.0
61.2	0.7	13.7	3.5	18.8	0.4
73.1	0.9	16.3	3.3	18.3	0.3
68.1	1.0	19.6	3.5	18.8	0.2
71.6	0.9	15.6	4.5	16.7	0.5
71.3	1.1	17.0	3.7	15.8	0.5
68.3	1.2	16.3	2.1	16.0	0.3

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
17.4	0.3	14.0	0.4	70.6	1.8
16.6	0.6	14.1	0.4	70.7	1.8
Boutonnet et al. (2012)		14.1	0.4	71.1	1.8
72.2	0.9	14.2	0.3	72.8	2.1
73.5	3.0	29.9	0.8	17.5	0.4
18.7	0.5	14.2	0.4	15.6	0.4
43.1	1.0	14.3	0.4	15.8	0.4
66.4	3.0	14.2	0.4	15.7	0.4
71.1	1.0	14.8	0.4	16.5	0.4
21.1	2.0	65.0	1.6	15.7	0.4
18.5	0.7	14.9	0.4	16.9	0.4
19.5	1.0	14.5	0.4	17.3	0.5
19.9	1.0	15.0	0.4	17.1	0.4
18.6	0.5	14.7	0.4	16.6	0.4
19.8	0.3	14.9	0.4	15.6	0.4
17.8	0.2	14.6	0.3	15.7	0.4
16.1	0.3	14.4	0.3	14.9	0.4
18.6	0.2	14.6	0.3	19.1	0.5
14.3	0.7	64.2	1.6	18.5	0.5
18.1	0.2	14.6	0.4	17.2	0.4
16.5	0.2	14.2	0.3	17.4	0.4
16.7	0.2	14.8	0.4	15.9	0.4
21.2	0.6	14.4	0.4	18.0	0.5
21.4	0.7	24.4	0.6	15.6	0.4
24.7	0.7	14.3	0.4	14.3	0.4
21.5	0.5	17.8	0.5	108.5	2.8
22.8	0.6	18.8	0.5	91.2	2.4
24.5	0.6	14.0	0.4	65.4	1.6
21.5	0.6	17.3	0.5	93.6	2.4
23.3	0.6	68.8	1.7	104.9	2.7
21.5	0.5	69.5	1.8	Horton et al. (2013)	
21.3	0.5	71.7	1.8	13.4	0.2
21.6	0.6	70.3	1.8	20.1	0.1
21.9	0.6	69.8	1.8	11.4	0.2
21.5	0.5	71.2	1.8	9.0	0.2
23.9	0.6	71.9	1.9	20.7	0.1
21.3	0.5	71.8	2.1	14.9	0.3
23.1	0.8	70.4	1.8	18.4	0.2
22.8	0.6	73.3	1.9	13.9	0.1
22.9	0.6	71.0	1.8	19.1	0.1
22.4	0.6	71.2	1.8	14.4	0.1
14.0	0.3	71.7	1.8	17.3	0.2

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
14.1	0.3	16.6	0.4	17.2	0.9
13.6	0.3	19.3	0.3	17.6	1.1
15.8	0.1	17.4	0.3	60.7	3.1
16.8	0.1	17.4	0.3	41.3	4.1
17.8	0.2	18.6	0.3	57.1	2.8
18.1	0.1	19.5	0.4	59.8	2.2
15.9	0.2	18.0	0.5	65.2	2.7
13.1	0.1	19.3	0.3	60.9	0.5
17.9	0.3	18.0	0.3	53.0	5.9
18.5	0.1	16.8	0.2	38.2	2.6
16.2	0.1	18.8	0.3	61.7	1.3
19.9	0.1	18.2	0.4	60.3	0.5
14.5	0.1	164.5	2.5	58.2	1.2
14.0	0.3	156.9	2.6	56.3	0.6
15.6	0.4	158.9	2.9	46.2	7.1
17.3	0.2	18.9	0.3	58.0	4.3
19.0	0.2	153.1	2.0	55.7	3.8
11.9	0.3	15.2	0.2	58.7	3.1
15.0	0.1	15.8	0.2	61.8	6.4
18.7	0.1	16.9	0.2	32.8	4.1
66.4	0.2	14.9	0.2	22.8	0.6
56.1	0.6	15.1	0.3	56.5	4.7
56.2	0.2	15.2	0.2	18.9	1.1
35.6	0.2	15.2	0.2	88.9	8.9
50.0	0.3	15.2	0.2	90.0	4.2
39.7	0.3	15.3	0.2	45.1	3.0
18.6	0.2	15.2	0.3	85.5	0.9
19.2	0.2	69.1	2.9	21.2	0.9
20.3	0.2	17.8	1.6	79.7	5.0
19.4	0.2	17.4	1.6	88.0	6.2
62.5	0.3	18.4	3.5	82.0	5.1
21.1	0.1	18.5	1.0	18.2	0.6
19.7	0.2	17.1	2.5	18.6	0.6
21.1	0.3	17.2	0.5	18.3	1.5
22.2	0.5	17.6	0.9	89.1	3.6
65.9	0.4	18.2	3.4	18.6	1.0
20.0	0.2	16.8	1.8	17.8	1.6
69.2	0.3	18.2	2.6	86.4	4.8
18.4	0.2	15.9	1.8	168.6	4.2
20.2	0.1	17.7	1.3	162.0	5.9
16.6	0.2	17.4	1.0	160.0	3.0
17.7	0.2	17.9	2.1	163.5	5.2

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
156.3	3.3	24.4	1.3	22.1	0.6
155.7	3.1	21.6	0.3	22.4	1.7
140.2	9.8	21.7	0.3	23.1	1.4
148.4	3.2	23.0	0.2	24.1	2.0
672.3	8.4	23.8	0.2	22.7	0.2
160.5	6.1	921.8	118.8	22.5	0.2
163.1	5.1	23.8	3.7	24.5	0.9
123.7	9.1	15.0	0.6	72.0	2.4
495.8	22.0	21.3	1.1	95.7	3.5
755.2	12.0	21.6	0.5	96.0	1.8
519.8	8.5	21.6	1.9	97.5	2.9
159.8	3.5	21.9	0.7	97.7	3.3
806.2	13.4	22.1	0.7	98.6	1.9
689.1	19.5	23.2	1.6	17.1	5.3
126.7	13.9	22.6	0.3	18.2	0.9
137.6	15.1	21.0	0.5	17.9	0.7
158.6	1.4	22.7	0.7	17.4	0.5
162.0	3.6	23.4	0.2	17.4	0.3
154.4	2.5	21.5	0.1	17.5	1.0
17.4	1.3	18.3	0.8	17.6	1.4
21.5	0.8	22.1	0.3	20.3	3.3
25.7	0.4	23.5	0.6	17.7	0.6
19.5	0.4	76.2	3.4	17.7	0.5
17.2	1.6	21.9	1.1	18.0	0.4
40.3	10.0	22.1	1.9	17.9	0.8
14.0	3.6	22.2	0.4	17.0	3.2
25.4	0.4	22.4	0.7	18.3	0.6
Mahar et al. (2014)		22.7	0.4	17.6	0.8
17.3	1.7	22.9	1.2	18.1	0.7
17.7	0.4	23.5	0.6	22.1	4.1
17.9	0.8	22.5	0.1	17.5	0.7
18.2	0.4	25.0	0.5	17.1	1.3
18.2	0.6	25.4	0.2	18.1	2.4
18.4	0.7	23.6	0.5	16.7	0.9
18.5	0.7	24.1	0.4	16.7	1.5
18.9	0.7	23.8	0.2	18.9	1.2
18.5	0.3	26.3	1.2	14.9	4.1
20.5	0.8	23.7	0.2	17.7	0.1
21.1	1.7	557.7	18.9	17.2	0.2
21.3	1.0	21.4	1.4	17.8	0.2
21.6	0.9	21.8	0.8	18.2	0.4
22.7	0.9	22.0	1.9	19.5	0.5

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
17.7	0.3	20.1	0.5
18.3	0.7	77.7	4.5

Table S1.b. Compiled zircon U-Pb ages of Kohistan-Ladakh

Age (Ma)	Error (1s)
Honegger et al. (1982)	
103.0	3.0
Schärer et al. (1984a)	
62.9	0.4
101.0	2.0
Zeilinger et al. (2001)	
82.8	1.1
85.7	0.2
91.8	1.4
98.9	0.4
97.1	0.2
Krol et al. (1996)	
29.9	0.5
30.5	0.5
29.5	0.5
30.4	0.5
29.5	0.5
30.4	0.5
46.6	0.9
31.5	0.5
27.2	0.5
Weinberg and dunlap (2000)	
48.8	0.8
48.8	0.8
48.8	0.8
48.8	0.8
47.5	0.8
47.5	0.8
51.3	0.8
51.3	0.8
51.3	0.8
51.3	0.8
52.5	0.8
52.5	0.8
43.8	2.0
51.3	2.0
53.8	2.0
56.3	2.0
56.3	2.0
56.3	2.0
58.8	2.0
58.8	2.0
58.8	2.0
58.8	2.0
58.8	2.0
61.3	2.0
61.3	2.0
61.3	2.0
61.3	2.0
63.8	2.0
63.8	2.0
63.8	2.0
63.8	2.0
63.8	2.0
63.8	2.0
66.3	2.0
66.3	2.0
66.3	2.0
68.8	2.0
68.8	2.0
71.3	2.0
73.8	2.0
49.5	1.0
50.5	1.0
53.5	1.0
57.5	1.0
57.5	1.0
57.5	1.0
58.5	1.0
58.5	1.0
58.5	1.0
58.5	1.0
58.5	1.0
59.5	1.0
59.5	1.0
59.5	1.0
60.5	1.0
63.5	1.0
70.5	1.0
Schaltegger et al. (2002)	
99.3	22.0
98.8	5.0
98.9	7.0
99.1	5.0
97.1	28.0
97.0	16.0
97.3	13.0
91.8	15.0
91.3	7.0
92.3	13.0
83.5	8.0
83.2	12.0
81.5	5.0
85.6	5.0
85.7	5.0
85.7	5.0
85.8	5.0
Dunlap and Wysoczanski (2002)	
67.7	1.7
67.6	2.2
68.9	1.6
64.6	3.1
72.6	2.3
69.3	1.3
65.1	1.7
65.1	2.3
63.3	2.2
68.7	2.1
62.4	2.5
67.2	2.8
61.0	2.4
59.4	2.4
59.3	2.8
66.6	1.6
61.3	2.1

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
49.1	3.6	59.0	1.0	52.3	0.5
61.1	1.5	59.0	1.0	53.1	0.5
61.7	1.5	58.0	1.0	52.3	0.5
59.5	2.4	54.0	1.0	51.7	1.8
61.0	2.0	58.0	1.0	54.9	1.8
60.2	2.1	58.0	1.0	51.9	1.8
58.2	2.2	57.0	1.0	51.5	1.8
60.0	1.6	58.0	1.0	54.1	1.8
64.9	2.1	58.0	1.0	45.6	0.6
Yamamoto et al. (2005)		59.0	1.0	46.7	0.6
81.0	1.6	60.0	1.0	45.4	0.6
89.5	3.3	Heuberger et al. (2007)		44.8	0.6
94.0	1.9	111.8	0.5	45.1	0.6
107.7	1.8	111.4	0.3	67.2	2.1
75.8	1.7	112.2	0.4	65.9	2.1
80.6	4.5	111.2	0.4	67.4	2.1
75.7	1.4	110.8	0.4	Khan et al. (2009)	
82.0	2.0	44.2	0.9	65.1	1.0
110.7	4.9	45.4	0.8	64.6	1.0
Singh et al. (2007)		49.8	0.6	1255.0	1.0
59.0	1.0	45.9	0.9	64.9	1.0
55.0	1.0	48.2	0.9	65.1	1.0
61.0	1.0	192.0	0.9	62.3	1.0
62.0	1.0	198.1	0.9	62.8	1.0
60.0	1.0	125.2	0.9	61.5	1.0
62.0	1.0	168.8	0.9	61.8	1.0
59.0	1.0	163.6	0.8	41.1	1.0
60.0	1.0	60.3	0.8	41.2	1.0
61.0	1.0	49.7	0.7	39.9	1.0
76.0	4.0	38.6	0.3	46.4	1.0
60.0	1.0	40.0	0.7	46.6	1.0
95.0	2.0	38.7	0.3	58.1	1.0
60.0	1.0	39.0	0.5	156.0	1.0
61.0	1.0	49.0	0.5	204.0	1.0
60.0	2.0	Upadhyay et al. (2008)		271.0	1.0
62.0	1.0	57.6	1.4	441.0	1.0
57.0	1.0	57.7	1.4	403.0	1.0
58.0	1.0	58.9	1.4	65.5	1.0
63.0	1.0	58.4	1.4	65.0	1.0
59.0	2.0	56.3	1.4	64.4	1.0
59.0	2.0	57.3	0.5	64.8	1.0
58.0	2.0	48.9	0.5	64.8	1.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
64.6	1.0	67.0	3.0	50.1	0.8
64.4	1.0	73.0	2.0	65.0	2.0
65.0	1.0	72.0	2.0	61.0	2.0
64.8	1.0	52.0	2.0	64.0	1.0
Ravikant et al. (2009)		51.8	0.9	62.0	2.0
48.0	1.0	51.9	1.0	63.0	1.0
49.0	1.0	51.6	1.0	64.0	1.0
48.0	1.0	50.9	1.0	62.0	1.0
46.0	1.0	51.5	1.0	62.0	2.0
56.0	1.0	49.0	2.0	64.0	1.0
43.0	1.0	51.0	1.0	65.0	2.0
50.0	1.0	50.0	2.0	64.0	2.0
51.0	1.0	51.0	1.0	66.0	2.0
51.0	1.0	50.8	0.9	59.0	2.0
52.0	1.0	50.9	0.9	65.0	1.0
48.0	1.0	50.0	1.0	65.0	4.0
51.0	1.0	50.0	2.0	66.0	1.0
52.0	1.0	51.0	1.0	65.0	1.0
52.0	1.0	50.1	1.0	64.0	2.0
52.0	1.0	51.0	1.0	65.0	3.0
51.0	1.0	51.5	0.8	65.0	1.0
53.0	1.0	50.8	0.9	Jagoutz et al. (2009)	
52.0	1.0	51.0	1.0	62.5	2.9
52.0	1.0	50.7	0.8	65.0	3.0
53.0	1.0	50.7	0.8	65.6	1.5
77.0	2.0	50.6	0.8	59.8	1.4
74.0	2.0	50.9	0.8	60.4	1.4
70.0	2.0	50.0	2.0	62.2	1.4
70.0	2.0	50.3	0.8	59.7	1.5
67.0	2.0	50.0	1.0	65.8	1.6
69.0	2.0	51.0	1.0	59.7	1.5
66.0	2.0	50.5	0.9	65.4	1.6
65.0	1.0	50.0	1.0	61.6	1.6
66.0	1.0	50.7	0.9	59.2	1.3
71.0	2.0	51.0	2.0	64.6	1.4
66.0	1.0	50.7	0.8	59.1	1.3
71.0	2.0	49.8	0.8	61.9	1.4
67.0	2.0	49.0	1.0	64.6	1.4
67.0	1.0	50.9	0.7	65.3	2.3
69.0	2.0	50.0	1.0	60.7	1.5
73.0	2.0	50.6	0.8	62.8	1.6
68.0	2.0	50.1	1.0	59.5	1.5

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
59.1	0.9	60.3	2.4	43.8	3.3
62.5	1.4	56.8	2.3	40.8	3.0
58.9	1.3	62.5	2.5	39.7	3.0
64.8	1.4	62.5	2.5	41.5	3.1
62.7	1.2	61.2	2.5	40.9	3.1
64.9	1.3	39.9	3.6	44.6	0.7
59.8	1.2	40.3	3.6	44.9	0.7
54.0	1.8	41.4	3.7	41.8	0.6
54.4	1.8	38.2	3.4	42.5	0.7
60.1	2.0	42.0	3.7	42.9	0.7
59.2	2.0	41.7	2.8	42.5	1.2
54.9	1.8	41.6	2.8	41.9	1.2
58.6	2.0	42.2	2.8	44.0	1.3
56.9	2.1	41.2	2.8	44.0	0.6
57.9	2.1	39.0	2.6	42.6	1.2
55.1	2.0	47.5	1.4	41.3	1.1
53.3	2.0	42.4	1.6	45.0	1.2
56.6	2.1	44.7	1.7	41.3	1.1
58.1	2.1	42.4	1.6	46.5	1.0
53.5	1.8	42.1	1.6	43.3	0.9
60.0	2.0	42.0	1.6	43.6	0.9
53.3	1.8	42.1	1.6	42.7	0.9
60.7	1.0	38.4	1.8	43.0	0.9
56.0	0.9	39.9	0.5	70.2	3.0
57.3	1.0	39.3	0.5	71.1	3.1
58.2	1.0	40.4	1.8	70.2	2.2
54.6	0.9	45.3	2.0	73.3	2.3
54.1	1.2	42.0	1.9	74.6	2.3
56.8	1.3	43.2	1.9	74.1	2.3
56.5	1.9	43.7	3.8	73.8	1.6
60.9	3.2	42.6	1.6	71.7	1.2
57.7	3.1	41.5	1.5	75.9	1.3
57.8	3.1	43.9	1.6	72.3	1.2
55.5	3.0	42.2	1.6	73.5	1.2
56.2	3.0	43.4	1.6	70.4	2.0
57.8	3.1	42.4	2.4	69.0	2.0
57.4	3.1	41.6	2.4	74.1	2.1
57.3	2.3	43.0	2.5	70.2	2.0
62.5	2.5	43.7	1.3	75.0	1.6
54.9	2.2	43.9	1.3	70.2	1.5
55.6	2.2	44.3	1.4	77.2	1.7
53.4	2.1	43.9	3.3	75.1	1.6

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
68.1	1.5	73.9	1.9	72.1	1.6
76.1	1.6	70.4	1.8	72.5	1.6
74.1	1.2	70.4	1.8	66.2	1.6
71.4	1.1	67.0	1.7	68.2	1.7
71.6	1.1	73.3	0.9	68.4	1.7
72.3	1.2	68.0	0.8	68.8	1.7
72.5	1.2	67.9	0.8	70.8	1.8
70.0	1.1	68.4	0.8	64.4	1.8
69.5	1.1	74.3	1.6	63.8	1.8
72.0	1.2	69.6	1.5	64.0	1.8
68.2	1.1	69.4	1.5	64.1	1.8
68.2	1.1	66.2	1.4	65.8	1.8
70.2	1.2	72.5	1.6	64.7	1.8
69.9	1.2	70.1	1.5	68.6	1.9
69.0	1.2	69.5	1.5	67.3	2.0
70.9	1.2	70.6	1.5	71.0	2.0
71.6	1.0	73.9	2.1	68.0	2.0
73.0	1.1	63.7	1.4	71.3	2.0
76.2	1.1	64.9	1.4	69.9	2.0
75.1	1.1	61.9	1.4	62.3	2.3
72.9	1.1	64.6	3.6	65.6	2.4
78.0	1.3	66.8	1.4	70.8	2.7
70.7	1.2	63.4	2.3	63.8	2.4
72.1	1.2	66.7	1.4	64.4	2.4
70.6	1.2	67.5	1.4	65.9	2.5
72.7	1.2	67.6	1.4	67.9	2.6
77.0	1.3	66.0	2.5	67.9	2.6
69.6	1.2	68.2	1.5	69.4	2.6
68.3	1.2	68.6	2.6	70.3	2.7
72.6	1.4	68.3	1.5	73.7	2.8
71.8	1.4	65.2	1.5	71.4	2.7
70.3	1.4	68.8	1.5	66.8	3.7
76.2	1.5	70.9	2.7	69.4	3.9
73.3	1.4	68.5	1.5	66.5	2.4
77.8	1.5	68.9	1.5	76.0	5.0
74.2	2.1	66.4	1.5	71.4	4.7
71.5	2.0	70.3	1.5	75.4	4.6
71.5	2.0	70.3	1.5	77.0	4.7
72.7	2.9	67.1	1.5	71.5	4.7
71.3	2.9	71.1	1.5	75.6	4.6
68.8	1.8	62.5	1.6	74.7	5.1
74.6	1.9	70.4	1.6	77.1	5.3

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
75.6	5.2	105.5	2.3	53.2	2.2
71.8	1.2	105.2	0.3	14.7	0.7
77.9	5.4	104.8	0.1	58.8	3.0
76.7	1.3	95.0	0.1	54.3	0.8
78.8	5.4	93.6	0.1	75.3	1.1
74.6	5.1	93.6	0.1	47.5	2.1
75.6	4.6	94.6	0.1	74.1	3.1
76.6	4.7	95.0	0.1	53.2	2.8
77.7	4.8	White et al. (2011)		55.2	1.1
72.8	4.8	55.3	1.5	12.3	2.4
72.9	3.8	58.3	1.1	16.4	0.4
72.4	4.8	67.6	1.3	59.8	1.5
St-Onge et al. (2010)		63.0	1.4	15.8	0.8
57.6	0.1	56.8	1.3	58.0	1.2
57.8	0.1	64.2	1.9	44.9	6.1
57.6	0.1	60.2	1.1	53.0	2.6
56.9	0.1	56.5	1.3	56.5	0.8
57.7	0.2	95.7	2.5	58.1	0.8
46.6	0.2	60.5	1.2	16.2	0.9
47.0	0.3	55.2	1.7	53.2	1.3
47.0	0.1	17.0	1.0	49.4	2.6
47.8	0.1	43.1	0.6	60.1	1.0
Bouilhol et al. (2011)		16.1	0.2	58.8	1.0
98.9	1.0	13.0	0.4	62.1	1.1
102.2	0.6	53.4	7.7	62.3	1.0
100.7	0.8	55.8	2.1	63.4	1.1
98.8	0.9	55.5	1.4	107.1	6.4
103.0	0.4	38.5	4.2	64.8	1.1
103.8	0.4	57.9	3.5	50.2	2.7
99.8	0.3	58.9	0.8	67.4	1.1
98.9	0.5	54.2	6.4	64.4	2.7
100.2	0.3	49.8	7.3	67.1	1.1
98.9	0.4	55.2	3.3	64.5	1.1
103.2	0.4	59.4	1.0	63.3	1.0
106.9	0.3	56.1	1.2	63.9	1.0
107.2	0.6	79.1	1.1	73.6	8.8
106.6	0.4	55.3	2.7	59.7	0.9
105.2	0.5	866.1	66.1	67.0	1.3
103.0	2.0	65.6	2.4	67.1	1.1
103.9	0.6	57.2	0.9	65.2	1.1
104.8	1.1	13.8	1.8	81.0	3.2
103.6	1.1	55.7	1.1	65.4	3.3

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
371.3	1727.2	67.8	3.4	58.4	1.0
61.4	1.0	65.2	1.7	60.2	2.9
66.4	1.1	61.3	1.8	46.2	1.4
80.6	1.6	59.0	1.2	58.9	1.4
60.8	1.0	60.7	3.1	57.3	1.2
65.6	1.1	59.5	2.2	47.0	1.5
68.2	6.5	60.7	1.4	46.9	1.0
64.4	1.1	53.0	4.5	48.8	0.5
67.1	2.2	53.6	1.9	59.9	4.1
66.1	2.1	59.6	4.4	54.6	4.9
63.7	1.0	54.0	6.2	59.3	2.3
64.5	1.9	57.9	3.2	48.9	0.6
65.8	1.2	59.8	2.4	97.7	1.3
69.7	4.7	56.3	4.0	51.7	0.6
67.4	1.1	57.6	1.1	55.3	0.8
64.2	1.0	48.5	1.1	50.2	1.3
73.0	2.6	59.4	8.5	56.6	0.7
63.9	1.4	60.9	1.9	52.1	1.0
64.6	1.1	59.3	1.3	51.1	1.9
67.2	1.3	60.0	3.9	74.0	4.2
70.2	3.2	42.9	3.4	49.6	1.4
68.9	1.1	54.3	11.4	52.1	0.7
69.3	1.2	58.2	7.4	55.5	0.6
67.3	1.2	54.4	3.1	53.0	0.8
62.7	1.0	56.2	5.3	50.8	0.6
62.9	4.3	54.7	3.7	60.1	0.7
58.3	0.9	54.8	1.2	56.6	1.0
67.5	1.1	56.0	1.1	64.8	0.7
67.4	1.3	57.3	0.7	50.6	1.1
65.3	1.1	47.1	1.0	52.3	1.8
64.6	1.0	55.3	1.4	53.1	0.8
57.9	1.2	54.8	2.3	55.7	1.1
48.7	1.7	47.2	1.5	52.0	0.9
53.9	2.8	47.1	0.6	50.2	0.9
55.0	2.1	46.8	0.6	47.0	0.6
56.5	2.4	46.9	0.6	69.3	2.1
52.9	2.3	49.4	0.7	56.2	2.3
58.8	3.0	55.2	3.6	54.9	0.8
55.8	4.5	61.4	0.8	49.8	0.5
43.7	5.4	64.8	1.3	61.8	0.8
56.3	3.3	52.9	1.3	51.5	4.3
51.3	4.7	57.3	3.7	55.7	3.8

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
61.2	0.6	61.3	0.7	73.4	2.1
58.5	0.8	56.3	3.2	69.0	1.9
55.7	0.7	58.8	1.3	68.4	1.6
60.0	0.7	54.0	1.5	70.9	1.4
52.4	0.5	57.5	2.1	68.1	2.4
57.4	0.6	62.6	1.2	70.6	2.0
52.4	1.8	57.9	0.6	88.1	3.5
53.2	1.7	59.2	0.8	81.9	1.8
57.4	0.8	52.0	1.4	68.4	1.7
57.7	0.6	56.5	2.5	72.6	2.0
58.3	1.3	52.5	2.3	70.0	2.1
50.2	19.4	54.3	0.6	73.3	1.4
52.8	0.7	58.0	0.9	70.0	1.8
47.3	5.2	53.4	2.3	67.8	1.7
52.7	2.0	62.9	0.7	78.4	1.5
60.3	3.8	58.6	0.6	68.9	2.0
53.0	0.6	58.6	0.7	79.0	1.8
47.7	0.6	59.6	2.2	74.1	1.3
57.0	1.8	56.5	2.4	71.5	2.2
43.6	1.9	58.6	1.5	68.8	2.2
53.7	7.7	52.9	1.9	76.3	1.5
55.9	0.7	62.1	1.4	75.6	1.7
53.5	1.5	61.5	0.7	70.2	1.9
49.0	0.5	57.3	1.4	74.4	2.4
55.3	0.9	55.1	1.6	74.5	2.3
68.1	0.7	62.0	4.2	68.9	2.0
72.0	3.7	52.5	2.6	77.3	1.7
53.4	0.6	58.6	0.7	67.8	1.6
69.1	1.6	57.9	0.6	75.6	1.3
45.0	1.4	58.4	1.9	71.3	2.0
50.8	0.5	57.4	3.5	350.7	27.3
54.8	1.5	53.7	1.6	76.6	1.9
54.8	0.9	49.9	4.6	69.9	2.1
55.3	2.7	56.3	3.2	78.3	1.9
53.3	1.7	46.9	1.4	70.1	1.8
49.3	1.3	46.6	0.7	76.1	3.8
57.5	0.6	61.1	1.0	1077.5	38.7
57.0	0.6	65.8	0.7	70.6	1.7
59.1	0.7	48.7	0.6	71.1	1.7
57.2	0.9	Sen et al. (2013)		73.8	2.1
59.7	0.6	73.8	2.3	73.7	2.8
56.7	0.6	65.1	1.5	73.4	1.8

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
72.2	2.0	59.2	0.6	59.0	5.7
72.4	2.1	45.4	0.6	53.0	5.3
477.7	9.0	95.4	0.5	59.0	8.2
70.6	1.7	356.0	1.1	60.0	6.3
71.4	1.9	Bouilhol et al. (2013)		56.0	7.3
78.2	2.0	74.0	9.5	56.0	3.6
71.2	2.0	76.0	7.6	60.0	3.4
35.1	0.7	78.0	5.1	58.0	8.6
35.5	0.9	76.0	7.8	57.0	5.1
36.9	1.4	71.0	17.0	59.0	7.8
33.4	0.6	70.0	6.5	55.0	5.3
40.0	0.7	75.0	10.9	57.0	3.1
47.5	1.3	77.0	4.7	59.0	4.6
45.9	1.2	64.0	9.5	57.0	8.3
35.1	0.6	80.0	10.9	52.0	7.1
39.5	0.8	79.0	7.6	58.0	2.6
37.5	1.0	81.0	8.6	58.0	6.6
51.5	1.1	74.0	9.6	60.0	6.5
39.4	1.6	81.0	8.4	61.0	5.6
35.9	0.7	50.0	7.2	62.0	4.0
38.5	0.7	50.0	4.7	57.0	3.1
868.5	30.1	49.0	6.8	57.0	4.8
37.6	0.8	45.0	9.3	47.0	3.9
37.2	0.7	51.0	6.0	45.0	3.1
39.8	1.1	48.0	5.7	47.0	3.8
38.5	0.7	47.0	4.1	45.0	3.1
36.3	1.1	53.0	6.2	47.0	7.9
34.1	0.7	51.0	9.9	46.0	4.4
50.9	0.7	53.0	4.0	49.0	5.8
31.5	0.8	50.0	5.8	49.0	7.5
47.3	0.8	55.0	4.4	49.0	7.5
39.4	0.8	47.0	8.2	49.0	7.3
51.8	0.6	55.0	8.4	48.0	4.1
40.7	0.6	61.0	6.0	47.0	4.0
257.0	4.5	56.0	9.4	50.0	3.2
42.8	0.6	63.0	11.9	51.0	2.9
30.7	0.6	62.0	11.5	50.0	3.6
40.7	0.7	53.0	6.6	52.0	11.8
38.5	1.0	52.0	6.7	57.0	5.8
43.5	0.7	59.0	7.3	45.0	20.5
31.4	0.8	58.0	4.6	56.0	7.6
191.6	0.6	55.0	5.4	48.0	7.4

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
46.0	7.5	28.0	3.4	71.0	12.1
43.0	8.6	32.0	3.7	73.0	6.7
51.0	15.2	31.0	2.1	66.0	5.4
49.0	4.1	32.0	4.5	62.0	5.9
49.0	5.5	31.0	2.3	61.0	6.1
49.0	4.8	30.0	1.6	53.0	8.4
52.0	9.1	30.0	3.4	66.0	6.3
51.0	5.5	29.0	3.3	66.0	6.3
50.0	5.2	78.0	12.0	61.0	6.0
55.0	6.5	101.0	8.8	62.0	9.9
60.0	6.9	91.0	19.2	60.0	7.0
61.0	2.4	95.0	12.2	64.0	7.9
62.0	4.7	95.0	8.9	67.0	7.6
64.0	18.0	96.0	23.2	67.0	6.8
65.0	4.9	90.0	14.1	63.0	4.5
62.0	4.3	101.0	19.2	63.0	3.8
63.0	4.0	98.0	14.5	59.0	3.8
56.0	4.8	106.0	95.8	62.0	5.5
66.0	6.7	92.0	9.9	60.0	4.1
59.0	5.0	97.0	7.8	49.0	13.2
61.0	4.6	109.0	11.2	60.0	17.3
63.0	4.6	100.0	6.9	49.0	5.6
62.0	6.4	103.0	7.1	47.0	8.1
64.0	3.3	98.0	6.3	52.0	6.8
58.0	5.8	79.0	19.3	53.0	4.1
62.0	5.4	74.0	6.3	46.0	5.2
61.0	4.4	70.0	4.7	54.0	6.5
60.0	5.2	73.0	6.9	52.0	9.7
40.0	2.4	70.0	6.8	51.0	8.6
41.0	2.6	75.0	10.6	50.0	5.4
39.0	3.2	76.0	6.8	51.0	7.9
38.0	2.2	71.0	5.3	52.0	6.5
40.0	2.2	71.0	4.5	51.0	7.0
39.0	1.7	76.0	13.9	53.0	3.6
41.0	2.3	73.0	8.3	46.0	13.5
40.0	2.1	73.0	5.1	43.0	7.5
40.0	1.8	71.0	7.6	47.0	13.7
29.0	2.5	72.0	4.0	55.0	6.9
29.0	4.3	65.0	8.5	60.0	6.2
31.0	4.0	69.0	8.3	56.0	7.1
32.0	6.1	68.0	5.3	52.0	4.8
28.0	4.3	77.0	7.9	53.0	4.4

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
56.0	10.5	76.0	5.7	62.0	7.3
51.0	6.3	73.0	7.5	62.0	3.6
51.0	10.6	74.0	6.6	65.0	7.7
53.0	4.7	68.0	11.2	61.0	5.9
52.0	3.7	79.0	5.9	57.0	4.9
50.0	5.1	74.0	7.7	58.0	4.6
52.0	2.9	71.0	3.6	62.0	35.9
56.0	6.0	67.0	5.0	55.0	11.3
52.0	5.4	74.0	6.3	65.0	4.3
52.0	7.9	73.0	5.1	63.0	10.2
55.0	6.0	72.0	10.3	62.0	5.8
54.0	6.5	73.0	18.3	61.0	12.5
51.0	5.0	72.0	5.0	71.0	15.2
54.0	8.0	75.0	6.0	73.0	7.6
54.0	11.7	70.0	5.0	74.0	10.7
50.0	6.6	70.0	7.2	71.0	9.0
53.0	16.0	71.0	6.5	74.0	10.1
52.0	6.5	60.0	4.5	62.0	7.2
51.0	20.4	57.0	5.1	63.0	8.9
58.0	4.1	58.0	6.1	65.0	12.6
49.0	5.8	54.0	7.7	46.0	7.1
52.0	12.3	56.0	4.5	42.0	7.0
58.0	7.2	57.0	8.5	76.0	12.2
51.0	5.7	60.0	4.3	68.0	12.1
102.0	7.5	60.0	4.2	41.0	3.1
103.0	6.9	57.0	4.6	43.0	2.2
98.0	7.3	60.0	8.0	42.0	2.7
97.0	8.8	56.0	7.3	43.0	3.1
91.0	8.7	60.0	3.3	44.0	1.9
103.0	8.2	61.0	4.4	42.0	2.8
97.0	9.3	29.0	2.2	39.0	3.3
99.0	7.9	33.0	2.1	41.0	2.6
108.0	10.9	30.0	2.8	41.0	2.7
23.0	2.3	28.0	1.9	48.0	9.5
104.0	7.2	29.0	3.3	48.0	7.5
107.0	11.3	28.0	7.3	46.0	7.9
101.0	6.6	29.0	4.9	44.0	7.3
96.0	10.7	32.0	3.3	53.0	7.4
105.0	6.2	31.0	2.0	33.0	5.6
76.0	11.3	30.0	4.0	49.0	3.5
76.0	6.9	62.0	7.8	43.0	7.3
71.0	5.6	60.0	6.2	51.0	5.3

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
46.0	12.8	62.0	9.2	41.0	1.5
47.0	5.6	61.0	4.0	46.0	13.4
46.0	10.3	66.0	14.8	45.0	6.0
43.0	3.8	62.0	7.8	40.0	2.3
36.0	4.3	62.0	10.0	39.0	3.4
47.0	6.3	62.0	8.3	58.0	9.8
29.0	5.1	64.0	6.1	62.0	5.5
44.0	5.7	64.0	16.8	71.0	29.3
40.0	12.5	68.0	9.1	57.0	6.2
46.0	3.5	73.0	5.5	60.0	7.0
44.0	6.0	70.0	11.8	52.0	7.3
40.0	2.6	68.0	8.2	57.0	7.3
43.0	4.7	70.0	13.3	57.0	8.6
43.0	3.7	72.0	6.4	62.0	8.3
43.0	3.0	65.0	6.9	57.0	7.7
39.0	3.4	66.0	9.7	59.0	8.9
42.0	2.4	65.0	6.6	56.0	3.3
42.0	3.0	69.0	12.3	57.0	7.6
40.0	3.7	59.0	12.7	61.0	6.3
42.0	3.1	61.0	5.5	56.0	7.7
55.0	10.5	64.0	2.6	62.0	6.4
57.0	7.6	32.0	1.4	62.0	3.8
60.0	6.2	32.0	1.6	56.0	8.8
58.0	5.8	29.0	8.1	64.0	6.4
58.0	4.5	32.0	2.2	64.0	9.7
62.0	6.3	30.0	4.5	58.0	7.3
62.0	13.1	31.0	1.9	24.0	7.6
61.0	7.7	31.0	2.7	87.0	17.4
57.0	6.0	39.0	3.0	80.0	27.2
54.0	10.1	41.0	4.7	81.0	17.2
57.0	10.3	40.0	4.1	83.0	17.7
60.0	5.1	37.0	4.2	74.0	15.7
62.0	6.9	37.0	2.6	18.0	6.0
59.0	3.9	38.0	3.7	81.0	9.2
66.0	9.9	35.0	5.6	85.0	11.9
57.0	6.3	33.0	5.9	79.0	10.4
64.0	5.3	38.0	5.9	84.0	18.4
61.0	5.9	38.0	3.2	92.0	18.9
62.0	7.9	36.0	3.0	89.0	9.7
62.0	5.3	40.0	20.6	78.0	11.2
58.0	9.7	40.0	1.7	80.0	10.7
58.0	5.0	41.0	2.8	76.0	13.7

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
83.0	7.5	53.0	7.5	21.1	2.5
93.0	10.5	49.0	5.0	21.4	2.2
82.0	14.9	89.0	8.4	21.7	1.7
70.0	13.3	93.0	14.1	69.6	4.3
89.0	18.1	87.0	6.7	68.5	4.3
85.0	12.1	83.0	10.1	70.2	6.6
35.0	4.3	97.0	26.2	69.7	5.1
44.0	5.3	87.0	7.7	69.6	5.7
51.0	8.8	86.0	11.8	64.8	5.0
45.0	3.6	87.0	9.8	66.6	4.6
47.0	6.7	85.0	6.4	69.7	6.0
14.0	5.0	86.0	10.3	69.1	3.7
46.0	7.9	82.0	13.3	65.4	11.3
49.0	5.8	86.0	13.6	68.4	10.3
49.0	5.3	93.0	9.9	69.8	14.1
49.0	4.9	90.0	10.3	67.8	5.3
48.0	9.6	54.0	12.8	68.1	7.3
50.0	6.1	73.0	14.5	Bosch et al. (2011)	
50.0	7.1	68.0	16.4	102.1	1.8
51.0	6.3	74.0	9.6	98.4	2.8
49.0	5.8	19.0	5.1	99.3	3.9
46.0	5.9	55.0	15.3	99.2	1.6
44.0	8.9	66.0	13.8	104.0	3.9
49.0	7.3	82.0	13.2	94.4	2.1
54.0	11.4	51.0	10.3	95.6	1.3
51.0	8.3	68.0	22.8	95.7	1.2
48.0	17.6	61.0	7.9	100.8	6.5
8.0	2.2	32.0	8.9	96.4	2.6
18.0	7.0	36.0	6.0	94.6	5.1
48.0	7.5	66.0	15.5	94.8	2.9
54.0	9.8	54.0	11.4	96.6	2.5
54.0	7.4	46.0	13.0	95.3	2.5
48.0	11.4	24.0	5.3	95.5	0.7
52.0	10.7	23.0	2.6	97.5	0.7
51.0	12.9	25.0	4.1	97.6	2.6
49.0	10.0	25.0	2.7	98.0	2.1
54.0	5.1	26.0	4.4	98.1	1.3
55.0	6.1	24.0	3.7	98.1	1.0
50.0	5.1	27.0	3.7	98.8	1.1
55.0	6.6	27.0	3.4	98.8	0.8
49.0	5.7	27.0	8.5	99.5	0.6
51.0	6.5	20.0	5.0	99.6	2.1

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
100.3	2.5	90.1	3.1	103.1	1.4
100.3	1.5	92.9	0.8	102.1	0.7
100.3	1.0	90.3	3.1	97.3	1.8
98.5	1.4	89.3	1.1	97.0	0.4
96.0	1.4	90.6	0.9	97.9	1.5
97.6	1.2	96.4	0.7	101.0	1.1
98.8	1.1	91.1	1.0	116.7	2.3
107.1	0.7	92.8	0.6	131.8	6.5
107.1	1.0	118.4	2.0	134.8	1.9
107.2	0.9	97.0	1.1	174.9	4.7
113.2	2.4	93.7	0.9	100.4	0.5
113.7	1.4	90.9	0.9	101.7	1.8
115.6	1.1	91.6	6.1	103.4	2.6
110.1	1.2	89.7	2.6	103.8	1.4
124.3	2.4	91.0	1.1	103.7	1.5
97.0	2.0	90.4	1.7	103.4	1.6
99.3	1.5	89.9	1.8	103.1	0.9
97.8	4.0	90.7	1.6	102.5	1.8
97.0	3.9	90.8	1.3	101.9	1.0
95.2	5.1	90.4	1.4	103.1	0.5
96.6	2.8	90.8	1.4	102.4	0.3
96.1	3.3	91.2	1.3	102.9	0.3
96.8	3.2	92.1	1.8	103.0	1.1
98.7	2.2	91.9	1.3	109.6	0.7
96.8	2.1	89.4	0.9	102.9	2.6
99.9	2.3	91.1	0.9	103.5	1.3
97.8	1.2	90.2	1.9	102.3	0.6
101.6	3.1	91.0	1.8	102.2	0.5
96.8	2.7	90.8	1.6	103.1	2.7
102.4	3.3	89.1	0.9	100.5	0.6
97.1	2.5	91.8	1.4	101.5	0.8
96.2	1.0	90.1	0.7	100.3	2.6
96.6	1.0	89.5	0.4	99.9	1.4
97.0	1.3	91.2	1.4	100.8	1.1
97.5	1.3	97.8	0.8	101.0	2.3
99.2	4.4	98.2	1.6	100.7	0.7
99.5	1.6	99.2	0.6	102.9	0.7
99.7	1.3	104.9	6.7	102.2	1.7
99.7	1.2	102.3	2.8	101.0	0.7
99.9	1.2	102.1	3.0	103.0	0.7
99.9	1.7	103.1	4.1	101.9	0.6
97.7	1.5	105.4	3.4	100.3	1.3

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
99.7	1.4	84.4	2.3	49.0	1.0
102.7	1.4	83.6	3.0	48.0	1.0
89.4	0.5	80.9	1.9	48.0	1.0
91.6	1.0	82.8	1.4	49.0	3.0
89.6	1.0	80.5	1.7	48.0	1.0
91.5	1.8	81.9	1.9	51.0	2.0
90.0	1.4	83.8	2.5	50.0	1.0
89.1	1.0	80.1	1.5	48.0	1.0
90.2	0.7	79.6	4.0	52.0	1.0
89.9	0.7	82.6	2.0	48.0	1.0
90.0	1.3	78.4	2.2	48.0	1.0
88.8	0.9	79.9	3.4	49.0	1.0
91.6	1.1	83.8	2.6	48.0	1.0
82.3	3.3	82.4	2.0	48.0	1.0
85.4	1.4	79.3	0.8	52.0	1.0
83.5	0.7	81.0	2.0	48.0	2.0
85.4	1.8	81.5	1.2	51.0	1.0
81.5	1.8	80.4	1.8	49.0	1.0
84.4	0.8	79.8	1.1	52.0	1.0
84.7	1.7	83.5	3.1	52.0	2.0
82.0	1.1	79.3	2.3	47.0	2.0
83.7	5.0	82.3	3.4	55.0	2.0
84.8	2.7	82.2	1.5	47.5	0.9
78.9	2.1	80.7	1.3	49.0	2.0
83.7	3.7	Shellnutt et al. (2014)		49.0	1.0
82.3	2.7	51.0	1.0	50.0	2.0
82.9	1.6	49.0	1.0	49.0	2.0
83.4	0.4	46.3	0.9	51.0	2.0
81.7	0.8	45.7	0.9	51.0	1.0
83.5	1.6	49.3	0.9	46.0	1.0
82.5	4.0	47.0	0.9	50.0	1.0
82.1	4.7	48.0	1.0	50.0	1.0
83.3	2.6	47.1	0.9	49.3	1.0
84.6	3.1	46.8	0.9	48.4	1.0
84.9	3.2	48.0	0.9	51.0	1.0
83.5	1.7	47.6	0.9	49.6	1.0
85.6	0.4	46.6	1.0	51.0	1.0
85.1	3.4	49.1	1.0	51.0	1.0
84.3	0.9	47.2	0.9	47.9	1.0
83.7	0.3	49.1	1.0	50.0	1.0
85.1	1.3	47.0	1.0	47.5	1.0
86.5	1.8	52.0	2.0	52.0	1.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
53.0	1.0	56.0	1.0	57.0	1.0
50.0	1.0	54.0	1.0	60.0	1.0
50.0	1.0	57.0	1.0	54.0	1.0
50.0	1.0	55.0	1.0	54.0	1.0
57.0	1.0	57.0	1.0	58.0	1.0
53.0	1.0	57.0	1.0	56.0	1.0
53.0	1.0	55.0	1.0	58.0	1.0
55.0	1.0	55.0	1.0	57.0	1.0
56.0	1.0	58.0	1.0	56.0	1.0
56.0	1.0	53.0	1.0	60.0	1.0
58.0	1.0	54.0	1.0	56.0	1.0
56.0	1.0	56.0	1.0	56.0	1.0
57.0	1.0	56.0	1.0	57.0	1.0
59.0	1.0	58.0	1.0	59.0	1.0
55.0	1.0	52.0	2.0	55.0	1.0
53.0	1.0	59.0	1.0	57.0	1.0
55.0	1.0	57.0	1.0	60.0	1.0
56.0	1.0	56.0	1.0	58.0	1.0
55.0	1.0	55.0	1.0	59.0	1.0
58.0	1.0	58.0	2.0	57.0	1.0
56.0	1.0	57.0	1.0	58.0	1.0
56.0	1.0	56.0	1.0	56.0	1.0
55.0	1.0	55.0	2.0	57.0	1.0
56.0	1.0	57.0	1.0	57.0	1.0
58.0	1.0	60.0	2.0	58.0	1.0
54.0	1.0	58.0	1.0	58.0	1.0
53.0	1.0	55.0	2.0	58.0	1.0
56.0	1.0	57.0	2.0	59.0	1.0
54.0	1.0	55.0	1.0		
55.0	1.0	59.0	1.0		

Table S1.c. Compiled zircon U-Pb ages of Greater Himalaya (from Gehrels et al., 2011)

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
Parrish and Hodges (1996)		1090.0	12.0	1666.0	19.0
		1100.0	28.0	1745.0	19.0
967.0	2.3	1113.0	45.0	1754.0	12.0
1710.0	1.5	1114.0	13.0	1762.0	5.0
1180.7	1.4	1137.0	5.0	1777.0	8.0
971.2	1.4	1137.0	20.0	1791.0	19.0
1441.2	1.4	1137.0	15.0	1814.0	33.0
Gehrels et al. (2006a)		1138.0	20.0	1914.0	7.0
710.0	9.0	1164.0	28.0	2062.0	3.0
715.0	9.0	1167.0	20.0	2359.0	4.0
770.0	29.0	1169.0	24.0	2441.0	5.0
864.0	25.0	1177.0	25.0	2456.0	17.0
870.0	49.0	1179.0	15.0	2469.0	3.0
873.0	23.0	1181.0	24.0	2481.0	10.0
884.0	21.0	1199.0	23.0	2521.0	17.0
895.0	22.0	1203.0	21.0	2528.0	6.0
900.0	22.0	1208.0	25.0	2537.0	17.0
936.0	21.0	1209.0	8.0	2539.0	17.0
955.0	21.0	1215.0	25.0	2542.0	17.0
970.0	31.0	1222.0	24.0	2543.0	17.0
972.0	23.0	1226.0	11.0	2591.0	17.0
976.0	10.0	1261.0	21.0	2620.0	1.0
976.0	11.0	1293.0	4.0	2639.0	2.0
977.0	83.0	1301.0	7.0	2646.0	2.0
981.0	13.0	1314.0	50.0	2648.0	24.0
982.0	21.0	1383.0	20.0	2707.0	6.0
988.0	69.0	1401.0	21.0	2749.0	1.0
1011.0	21.0	1460.0	7.0	2771.0	2.0
1015.0	20.0	1468.0	20.0	2960.0	16.0
1017.0	17.0	1511.0	6.0	3175.0	16.0
1028.0	22.0	1511.0	19.0	3308.0	3.0
1036.0	25.0	1517.0	19.0	3463.0	16.0
1037.0	20.0	1556.0	6.0	3499.0	2.0
1044.0	20.0	1573.0	19.0	3976.0	15.0
1045.0	29.0	1607.0	20.0	Gehrels et al. (2006b)	
1068.0	21.0	1621.0	12.0	900.0	16.0
1085.0	20.0	1662.0	64.0	913.0	66.0
1085.0	17.0	1666.0	21.0	946.0	4.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
989.0	4.0	1323.0	18.0	2834.0	4.0
989.0	20.0	1328.0	14.0	2920.0	15.0
1005.0	15.0	1415.0	52.0	2953.0	8.0
1007.0	27.0	1440.0	30.0	2977.0	6.0
1019.0	5.0	1497.0	5.0	3051.0	7.0
1027.0	95.0	1539.0	15.0	3212.0	9.0
1030.0	4.0	1549.0	4.0	3221.0	7.0
1034.0	24.0	1551.0	9.0	3446.0	11.0
1036.0	32.0	1594.0	4.0	3457.0	5.0
1049.0	4.0	1610.0	13.0	557.0	10.0
1052.0	19.0	1657.0	4.0	617.0	8.0
1057.0	4.0	1707.0	11.0	641.0	4.0
1061.0	7.0	1707.0	4.0	722.0	6.0
1073.0	15.0	1782.0	12.0	746.0	4.0
1089.0	22.0	1900.0	5.0	780.0	6.0
1089.0	18.0	1905.0	5.0	786.0	5.0
1091.0	4.0	2017.0	9.0	789.0	7.0
1092.0	30.0	2072.0	6.0	795.0	6.0
1093.0	72.0	2109.0	7.0	916.0	5.0
1113.0	19.0	2199.0	11.0	954.0	12.0
1113.0	5.0	2319.0	13.0	967.0	6.0
1114.0	37.0	2388.0	6.0	986.0	4.0
1120.0	5.0	2412.0	8.0	1002.0	7.0
1126.0	5.0	2439.0	12.0	1016.0	29.0
1141.0	15.0	2441.0	13.0	1018.0	22.0
1152.0	11.0	2451.0	5.0	1031.0	4.0
1154.0	32.0	2471.0	4.0	1033.0	5.0
1155.0	57.0	2488.0	5.0	1054.0	6.0
1166.0	28.0	2510.0	5.0	1064.0	6.0
1176.0	3.0	2520.0	6.0	1065.0	4.0
1188.0	10.0	2532.0	5.0	1066.0	6.0
1198.0	9.0	2534.0	5.0	1070.0	12.0
1218.0	11.0	2551.0	4.0	1074.0	19.0
1220.0	4.0	2560.0	4.0	1075.0	16.0
1220.0	3.0	2615.0	6.0	1076.0	5.0
1256.0	6.0	2632.0	3.0	1079.0	4.0
1261.0	13.0	2640.0	4.0	1079.0	4.0
1269.0	36.0	2641.0	6.0	1087.0	6.0
1271.0	37.0	2695.0	16.0	1090.0	5.0
1274.0	11.0	2738.0	3.0	1090.0	6.0
1292.0	10.0	2744.0	6.0	1094.0	12.0
1316.0	4.0	2768.0	3.0	1101.0	13.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1105.0	34.0	2574.0	5.0	982.0	43.0
1111.0	5.0	2582.0	6.0	986.0	30.0
1112.0	6.0	2592.0	4.0	1002.0	14.0
1119.0	10.0	2593.0	5.0	1019.0	34.0
1121.0	8.0	2601.0	5.0	1023.0	8.0
1125.0	8.0	2625.0	8.0	1027.0	18.0
1127.0	7.0	2627.0	6.0	1027.0	23.0
1148.0	8.0	2632.0	5.0	1047.0	22.0
1174.0	5.0	2655.0	5.0	1060.0	35.0
1176.0	8.0	2668.0	6.0	1060.0	20.0
1178.0	4.0	2681.0	5.0	1140.0	15.0
1178.0	7.0	2790.0	6.0	1178.0	17.0
1182.0	6.0	2842.0	3.0	1321.0	23.0
1184.0	14.0	2875.0	5.0	1394.0	21.0
1185.0	10.0	3145.0	3.0	1485.0	26.0
1200.0	6.0	3280.0	4.0	1518.0	49.0
1203.0	7.0	3320.0	4.0	1554.0	8.0
1203.0	7.0	3533.0	2.0	1589.0	6.0
1214.0	5.0	4082.0	6.0	1595.0	16.0
1246.0	8.0	Martin et al. (2005)		1609.0	38.0
1272.0	16.0	651.0	16.0	1630.0	44.0
1274.0	16.0	656.0	19.0	1641.0	5.0
1295.0	10.0	818.0	34.0	1663.0	80.0
1327.0	9.0	846.0	23.0	1664.0	13.0
1376.0	8.0	848.0	25.0	1669.0	12.0
1474.0	5.0	870.0	35.0	1682.0	81.0
1562.0	5.0	870.0	39.0	1698.0	28.0
1672.0	6.0	879.0	18.0	1706.0	29.0
1693.0	4.0	887.0	11.0	1747.0	9.0
1723.0	6.0	888.0	17.0	1759.0	4.0
1787.0	5.0	895.0	7.0	1807.0	8.0
1824.0	8.0	910.0	7.0	1843.0	6.0
1981.0	6.0	910.0	8.0	1853.0	8.0
2141.0	6.0	916.0	19.0	2403.0	11.0
2252.0	5.0	925.0	7.0	2413.0	5.0
2481.0	4.0	925.0	30.0	2422.0	4.0
2511.0	5.0	930.0	13.0	2449.0	18.0
2513.0	6.0	950.0	33.0	2483.0	8.0
2519.0	5.0	950.0	19.0	2533.0	30.0
2522.0	4.0	953.0	35.0	2685.0	19.0
2543.0	5.0	959.0	13.0	2911.0	14.0
2569.0	8.0	974.0	21.0	592.0	4.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
649.0	13.0	2028.0	18.0	1065.0	23.0
686.0	11.0	2341.0	14.0	1077.0	23.0
710.0	6.0	2384.0	17.0	1078.0	25.0
711.0	12.0	2489.0	17.0	1088.0	17.0
721.0	9.0	2497.0	95.0	1092.0	25.0
737.0	9.0	2501.0	9.0	1099.0	10.0
740.0	11.0	2511.0	11.0	1102.0	13.0
768.0	19.0	2625.0	20.0	1109.0	28.0
772.0	16.0	2632.0	15.0	1114.0	21.0
777.0	21.0	2643.0	5.0	1121.0	40.0
789.0	15.0	2662.0	7.0	1126.0	25.0
807.0	13.0	2735.0	10.0	1129.0	21.0
814.0	26.0	3277.0	7.0	1129.0	27.0
838.0	7.0	581.0	7.0	1130.0	8.0
840.0	7.0	644.0	4.0	1136.0	17.0
862.0	15.0	649.0	6.0	1137.0	16.0
915.0	8.0	712.0	7.0	1143.0	14.0
919.0	12.0	742.0	10.0	1149.0	16.0
935.0	19.0	876.0	34.0	1166.0	23.0
955.0	20.0	884.0	29.0	1174.0	20.0
962.0	37.0	892.0	16.0	1191.0	15.0
979.0	38.0	899.0	8.0	1208.0	20.0
981.0	16.0	917.0	20.0	1210.0	25.0
1002.0	32.0	934.0	58.0	1225.0	22.0
1008.0	19.0	964.0	25.0	1233.0	28.0
1125.0	31.0	976.0	19.0	1289.0	28.0
1128.0	13.0	1003.0	26.0	1357.0	16.0
1202.0	4.0	1007.0	13.0	1438.0	32.0
1208.0	28.0	1015.0	43.0	1469.0	33.0
1233.0	10.0	1015.0	40.0	1674.0	9.0
1417.0	26.0	1019.0	20.0	1739.0	25.0
1433.0	5.0	1023.0	20.0	1810.0	24.0
1467.0	14.0	1030.0	18.0	1817.0	23.0
1613.0	13.0	1039.0	15.0	1846.0	22.0
1691.0	12.0	1040.0	24.0	1902.0	29.0
1751.0	20.0	1041.0	16.0	2144.0	23.0
1807.0	11.0	1041.0	16.0	2160.0	25.0
1851.0	35.0	1043.0	21.0	2387.0	20.0
1855.0	20.0	1045.0	23.0	2483.0	3.0
1870.0	11.0	1048.0	19.0	2498.0	22.0
1905.0	7.0	1064.0	52.0	2733.0	20.0
2014.0	1.0	1065.0	24.0	3361.0	8.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
541.0	5.0	1039.0	18.0	1543.0	3.0
542.0	2.0	1042.0	53.0	1552.0	15.0
545.0	4.0	1043.0	17.0	1557.0	55.0
548.0	7.0	1043.0	34.0	1570.0	33.0
551.0	6.0	1044.0	26.0	1595.0	56.0
563.0	27.0	1045.0	39.0	1617.0	20.0
567.0	13.0	1049.0	22.0	1632.0	20.0
577.0	13.0	1049.0	43.0	1653.0	48.0
626.0	3.0	1050.0	55.0	1676.0	8.0
637.0	15.0	1059.0	13.0	1682.0	7.0
653.0	22.0	1065.0	26.0	1732.0	23.0
687.0	12.0	1096.0	43.0	1735.0	17.0
831.0	30.0	1096.0	45.0	1817.0	14.0
875.0	36.0	1105.0	28.0	1831.0	26.0
880.0	48.0	1108.0	24.0	1832.0	7.0
887.0	53.0	1126.0	12.0	1920.0	6.0
895.0	39.0	1142.0	14.0	1923.0	16.0
898.0	10.0	1153.0	12.0	2187.0	21.0
899.0	48.0	1155.0	21.0	2235.0	7.0
903.0	27.0	1156.0	32.0	2277.0	33.0
914.0	42.0	1160.0	47.0	2279.0	3.0
920.0	40.0	1165.0	49.0	2308.0	16.0
933.0	31.0	1167.0	40.0	2322.0	10.0
934.0	33.0	1175.0	34.0	2342.0	31.0
942.0	36.0	1177.0	26.0	2385.0	9.0
945.0	17.0	1189.0	8.0	2405.0	5.0
948.0	52.0	1218.0	26.0	2405.0	5.0
958.0	36.0	1226.0	45.0	2407.0	11.0
960.0	31.0	1230.0	56.0	2471.0	6.0
964.0	40.0	1241.0	33.0	2548.0	2.0
968.0	7.0	1242.0	21.0	2624.0	1.0
973.0	9.0	1246.0	24.0	2774.0	39.0
979.0	13.0	1261.0	46.0	2777.0	6.0
981.0	19.0	1263.0	23.0	2805.0	8.0
987.0	35.0	1276.0	66.0	2834.0	9.0
994.0	46.0	1295.0	27.0	2852.0	6.0
997.0	38.0	1328.0	22.0	3034.0	17.0
1005.0	23.0	1354.0	50.0	3081.0	13.0
1022.0	17.0	1368.0	73.0	3244.0	8.0
1028.0	39.0	1388.0	14.0	3248.0	20.0
1030.0	13.0	1436.0	42.0	902.0	5.0
1032.0	7.0	1526.0	16.0	902.0	17.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
941.0	20.0	1715.0	8.0	1472.0	15.0
955.0	13.0	1752.0	19.0	1555.0	12.0
971.0	51.0	1787.0	18.0	1566.0	3.0
978.0	9.0	1889.0	16.0	1594.0	5.0
988.0	10.0	2407.0	26.0	1644.0	14.0
999.0	15.0	2426.0	11.0	1656.0	4.0
1024.0	22.0	2435.0	18.0	1660.0	5.0
1032.0	15.0	2455.0	6.0	1685.0	3.0
1032.0	19.0	2456.0	18.0	1698.0	5.0
1060.0	20.0	2478.0	3.0	1703.0	8.0
1060.0	31.0	2486.0	7.0	1770.0	4.0
1110.0	15.0	2496.0	22.0	1777.0	4.0
1132.0	23.0	2517.0	11.0	1780.0	5.0
1145.0	16.0	2527.0	32.0	1806.0	6.0
1174.0	16.0	2536.0	23.0	1829.0	2.0
1208.0	38.0	2541.0	21.0	1869.0	8.0
1211.0	57.0	2544.0	12.0	1880.0	10.0
1215.0	29.0	2549.0	6.0	1908.0	2.0
1250.0	18.0	2559.0	10.0	2158.0	3.0
1288.0	22.0	2579.0	14.0	2238.0	5.0
1311.0	7.0	2669.0	6.0	2254.0	7.0
1325.0	14.0	2862.0	8.0	2526.0	3.0
1383.0	15.0	3262.0	12.0	2552.0	1.0
1408.0	10.0	822.0	19.0	2553.0	6.0
1415.0	4.0	941.0	6.0	2562.0	2.0
1415.0	16.0	1041.0	14.0	2579.0	11.0
1489.0	11.0	1042.0	8.0	2618.0	3.0
1544.0	15.0	1043.0	3.0	2667.0	3.0
1548.0	10.0	1044.0	5.0	2731.0	3.0
1586.0	16.0	1046.0	56.0	2822.0	2.0
1615.0	7.0	1046.0	26.0	DeCelles et al. (2000)	
1626.0	9.0	1048.0	20.0	1008.1	47.3
1639.0	6.0	1059.0	9.0	1030.4	51.9
1641.0	13.0	1083.0	5.0	1155.0	196.0
1641.0	15.0	1087.0	9.0	1193.5	43.0
1652.0	10.0	1200.0	8.0	1211.6	96.2
1653.0	12.0	1212.0	15.0	1218.0	36.7
1664.0	8.0	1261.0	10.0	1234.4	25.6
1667.0	19.0	1270.0	9.0	1244.4	54.1
1673.0	14.0	1284.0	25.0	1300.0	59.1
1690.0	5.0	1361.0	3.0	1316.5	51.5
1696.0	8.0	1452.0	10.0	1356.9	171.6

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1376.9	83.7	1727.9	22.6	1705.0	12.0
1402.1	52.0	1728.2	58.6	2228.0	19.0
1402.6	67.4	1732.6	20.7	829.4	9.9
1402.9	50.5	1737.8	24.3	839.1	51.9
1411.9	47.2	1743.3	37.7	847.0	32.6
1413.8	28.4	1755.0	14.3	875.4	45.4
1433.4	23.3	1757.1	48.3	883.4	48.3
1437.6	42.6	1758.9	39.5	897.9	32.9
1450.4	30.1	1759.2	57.2	899.8	15.4
1461.4	31.8	1761.0	35.1	900.3	7.2
1478.9	49.8	1782.9	59.5	906.9	79.2
1481.9	101.0	1789.2	14.6	912.9	59.9
1494.1	35.6	1791.9	32.6	919.7	74.2
1494.1	24.5	1798.2	13.1	929.7	29.8
1494.3	43.4	1799.4	73.2	943.8	85.1
1499.0	69.1	1799.9	22.5	944.7	30.4
1516.5	194.5	1801.5	42.2	948.0	24.0
1572.0	26.9	1802.7	28.2	950.3	12.4
1580.6	41.0	1808.1	24.7	952.8	30.9
1584.8	63.4	1809.9	42.9	960.9	42.5
1588.9	26.6	1813.2	97.8	969.0	46.8
1595.8	35.9	1820.7	32.1	978.1	43.4
1601.0	31.2	1860.1	54.9	980.1	35.9
1612.0	31.2	1861.6	55.1	984.0	43.6
1613.6	61.4	1887.7	40.9	984.7	42.7
1646.4	27.6	1909.7	51.8	986.1	46.6
1646.5	62.1	1915.7	65.1	993.4	28.7
1646.9	27.5	1949.8	19.5	995.9	96.4
1658.7	117.2	2052.3	49.7	997.5	20.8
1667.7	11.8	2156.0	50.3	997.7	14.6
1669.9	24.8	2391.0	21.7	1002.2	32.6
1670.9	15.3	2466.9	9.9	1005.3	18.9
1682.6	32.6	2487.0	11.8	1007.0	18.6
1686.5	51.6	2748.5	20.9	1011.3	29.3
1688.9	103.9	833.0	18.0	1014.1	43.7
1690.0	35.7	943.0	22.0	1039.0	34.1
1692.9	30.7	953.0	21.0	1052.2	11.1
1693.3	20.6	1137.0	12.0	1064.4	29.9
1695.6	48.3	1296.0	94.0	1065.6	102.7
1700.3	17.6	1561.0	13.0	1073.5	38.0
1700.8	23.9	1586.0	21.0	1080.3	72.1
1725.7	127.6	1674.0	17.0	1116.2	16.9

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1148.7	44.5	2605.7	6.0	998.4	36.8
1175.7	29.4	2617.2	19.5	1002.0	51.2
1199.7	31.6	847.0	10.0	1004.5	24.6
1205.4	61.0	868.0	30.0	1008.7	50.9
1207.0	56.1	879.0	9.0	1015.9	30.6
1235.2	38.0	949.0	8.0	1021.9	44.3
1238.6	16.2	964.0	11.0	1024.1	58.7
1259.2	63.8	1596.0	8.0	1029.5	65.3
1274.4	42.5	1979.0	6.0	1032.9	58.8
1342.0	70.3	Gehrels et al. (2011)		1039.5	37.2
1450.0	50.3	568.5	10.4	1040.0	32.7
1501.5	28.4	581.1	6.9	1043.5	47.0
1503.2	31.1	583.3	13.4	1044.2	30.5
1513.7	35.4	595.8	9.7	1047.3	46.8
1591.0	10.7	606.3	5.9	1052.3	41.2
1593.1	16.7	609.8	5.8	1054.1	22.6
1611.3	47.6	623.6	10.7	1060.7	35.6
1627.7	23.0	631.2	7.9	1063.9	93.7
1632.5	10.8	635.0	6.0	1065.5	30.0
1666.8	15.5	672.7	6.4	1069.3	27.3
1670.8	12.6	675.3	9.9	1074.3	29.3
1758.3	13.5	676.4	6.4	1077.8	31.1
1758.6	4.8	706.7	9.0	1081.1	28.3
1784.8	54.0	726.9	21.7	1083.4	29.9
1851.2	21.0	816.3	13.7	1084.4	33.9
1895.1	27.2	838.2	9.2	1084.9	23.9
1915.5	15.3	848.4	7.9	1085.0	37.9
2084.8	23.8	867.5	35.1	1085.3	48.2
2465.2	47.0	889.2	29.3	1085.4	36.3
2465.4	5.6	894.4	17.4	1085.8	64.0
2469.0	5.9	918.1	12.9	1088.1	26.5
2473.6	24.4	939.1	108.2	1089.9	30.5
2474.3	8.4	953.0	39.7	1097.4	27.2
2475.8	22.4	956.6	59.7	1100.1	26.4
2477.7	9.2	959.1	33.1	1106.4	45.0
2490.7	8.2	964.1	29.2	1107.0	52.0
2491.0	23.2	979.6	55.0	1114.5	72.7
2493.8	7.5	982.9	47.2	1115.7	37.3
2495.2	21.4	989.6	48.4	1117.2	48.3
2507.3	6.2	995.1	64.7	1119.7	41.9
2536.3	15.8	995.9	20.3	1149.2	19.9
2553.5	8.4	996.6	32.9	1162.3	31.5

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1181.4	27.9	837.9	15.0	1599.6	34.7
1251.6	30.0	839.0	19.8	1608.9	56.7
1288.3	24.5	842.8	7.9	1624.6	41.1
1319.7	26.4	845.6	7.9	1654.2	31.9
1739.0	23.7	847.3	16.8	1683.2	23.8
1739.2	18.3	849.8	8.7	1690.4	38.4
1747.2	29.7	850.7	10.2	1755.9	54.5
1891.0	58.7	851.3	15.1	1858.7	20.2
1976.5	31.7	853.1	31.4	1873.1	32.3
2013.9	22.3	864.7	8.1	1876.0	26.7
2129.6	23.5	869.1	9.3	1892.7	39.2
2136.8	33.6	877.6	14.4	1991.7	20.1
2153.6	23.9	929.5	33.5	1991.8	40.7
2456.0	27.9	937.8	80.6	2140.2	17.7
2474.1	25.3	943.0	60.9	2142.8	43.2
2560.2	28.1	949.0	94.8	2261.7	39.5
2659.3	16.6	955.1	106.6	2329.3	37.0
2697.0	22.3	957.8	62.4	2358.6	28.5
2730.4	28.7	966.0	27.4	2455.0	34.3
2737.0	25.2	972.1	30.6	2463.3	39.7
2804.4	36.3	975.5	84.3	2469.2	25.0
2855.3	30.3	980.9	69.1	2481.2	18.9
3054.3	20.8	981.2	77.7	2484.0	36.9
3192.8	17.1	984.5	56.4	2493.4	32.2
686.9	20.9	985.6	47.2	2496.1	32.2
733.9	24.6	986.2	42.1	2497.4	30.6
750.4	23.4	991.8	41.3	2510.1	46.6
761.1	42.8	992.5	28.5	2517.7	37.6
776.1	7.3	994.8	48.2	2520.1	34.6
776.7	17.9	997.7	43.9	2520.6	53.8
789.5	41.1	999.0	74.2	2521.0	16.8
790.5	11.5	999.1	38.4	2529.5	40.8
792.8	14.8	1005.8	25.2	2540.1	39.1
795.1	17.4	1020.4	46.8	2543.6	44.4
801.5	7.5	1027.8	61.1	2607.7	79.5
808.5	8.4	1034.2	32.8	2719.2	29.2
809.4	17.7	1057.3	51.8	2739.7	45.2
817.6	10.4	1070.1	59.7	2754.9	31.7
825.3	8.5	1151.6	66.9	582.1	19.8
827.1	16.1	1200.5	48.5	596.5	11.2
831.4	7.8	1247.4	23.5	603.2	20.7
834.6	7.8	1504.6	26.3	603.5	20.9

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
606.9	5.8	1024.7	43.7	2166.1	20.2
607.8	7.6	1026.1	28.1	2358.4	24.1
609.0	9.6	1031.1	49.1	2463.4	24.7
613.6	5.9	1036.8	43.4	2514.3	27.6
647.2	14.9	1037.3	68.7	2676.7	54.5
652.8	6.2	1040.1	27.5	2699.2	33.7
653.9	7.5	1040.2	65.2	2745.3	35.8
676.4	6.4	1040.7	20.2	2800.2	75.1
682.5	8.3	1044.5	36.9	607.9	24.7
720.5	6.8	1045.1	42.0	616.6	5.9
726.4	13.2	1062.3	88.4	620.7	15.4
727.7	51.9	1067.8	56.3	650.9	30.1
760.3	52.7	1079.3	23.7	661.0	23.4
891.8	20.7	1081.1	29.7	711.7	22.4
896.1	89.6	1081.8	88.7	726.1	20.0
899.6	74.7	1083.2	34.5	747.3	31.2
915.9	64.2	1088.5	26.5	767.3	27.9
917.2	41.4	1091.6	50.1	777.6	16.9
922.7	38.5	1091.8	34.3	798.5	18.7
931.1	59.1	1093.3	63.9	825.8	42.8
934.1	74.1	1093.6	35.6	832.0	20.9
945.2	70.9	1095.3	35.2	835.4	102.5
953.6	48.9	1095.4	29.2	836.7	54.4
960.1	70.5	1101.8	65.2	845.8	70.6
960.7	41.7	1104.5	22.6	846.4	25.8
961.6	63.4	1105.4	93.8	848.5	84.7
962.7	58.6	1112.4	24.2	851.2	37.0
971.8	72.2	1131.9	68.1	858.0	35.3
976.5	27.3	1142.4	56.9	858.5	28.0
977.4	30.8	1144.5	60.3	861.9	43.0
978.4	48.3	1150.2	38.9	863.4	37.4
997.0	25.0	1150.7	76.7	865.3	37.1
998.5	90.7	1168.5	27.5	871.6	84.4
1000.2	40.2	1174.2	104.8	872.3	22.6
1006.2	53.6	1241.7	20.6	874.7	46.6
1006.3	27.8	1297.3	33.2	876.0	52.2
1011.5	48.9	1303.3	50.9	876.5	89.7
1011.9	34.1	1303.7	92.5	877.8	50.7
1015.3	27.2	1766.5	35.8	878.8	35.8
1016.0	40.7	2046.8	23.7	888.9	32.0
1016.7	41.9	2083.9	42.8	890.9	55.2
1020.7	28.8	2126.9	25.0	895.6	53.9

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
899.7	54.0	1791.4	42.8	3119.6	24.0
904.9	62.7	1792.2	54.2	3249.2	26.6
907.9	45.3	1826.8	27.0	594.1	16.0
917.3	54.1	1846.4	48.5	599.3	9.0
940.8	57.8	1860.5	18.1	607.1	20.2
952.5	63.4	1862.5	46.8	607.2	9.5
961.2	41.3	2072.1	17.6	624.3	12.1
963.1	57.0	2072.9	34.2	630.6	16.5
967.0	45.7	2110.4	22.3	644.1	24.9
972.7	51.7	2450.4	54.0	651.6	32.6
974.8	52.4	2460.0	18.9	655.8	9.0
985.1	46.8	2480.3	24.1	696.2	28.1
989.4	35.0	2481.1	32.4	755.0	25.1
990.2	32.3	2483.0	19.2	766.2	11.1
996.8	46.5	2483.6	27.5	778.0	15.7
998.7	36.8	2484.5	49.6	778.0	39.3
1000.5	21.1	2491.2	44.1	794.0	7.5
1009.1	30.0	2491.6	38.1	847.8	65.6
1021.3	29.8	2492.9	25.1	867.2	57.5
1023.6	29.4	2501.8	28.8	878.2	8.4
1026.4	49.4	2504.5	42.6	926.9	30.5
1026.7	141.3	2508.6	27.9	927.1	34.3
1026.9	42.5	2512.2	32.0	937.6	45.1
1063.4	91.2	2513.4	23.0	938.5	8.7
1068.0	41.3	2514.9	35.8	991.4	13.0
1107.0	40.8	2516.1	25.2	1058.7	51.4
1111.7	129.9	2517.6	32.3	1220.0	26.5
1271.2	39.6	2517.7	20.7	1063.6	34.8
1314.6	23.7	2519.1	26.2	1142.4	30.6
1330.2	29.6	2520.5	31.4	1043.0	30.1
1472.9	37.0	2521.4	26.4	1109.3	30.2
1562.6	36.8	2521.6	27.7	1397.5	19.2
1584.7	45.3	2524.1	36.8	1359.3	59.8
1585.8	36.8	2530.9	32.2	1086.5	60.4
1605.6	39.5	2546.4	30.0	1102.2	64.4
1614.4	19.7	2549.4	32.2	1376.6	34.0
1637.0	42.7	2563.1	27.6	1212.2	65.2
1645.3	48.4	2582.5	26.4	1434.7	94.5
1714.2	20.0	2587.9	64.3	1133.9	58.9
1740.7	27.1	2626.3	22.3	1124.5	42.1
1749.5	27.8	2725.0	41.5	1197.7	48.9
1762.0	22.1	3111.5	30.7	1086.5	54.4

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1123.5	31.7	1249.1	29.0	1662.2	28.0
1145.8	19.9	1233.5	19.6	1878.3	22.5
1162.4	19.8	1215.4	31.7	1843.6	30.0
1116.1	78.5	1338.8	21.5	1823.4	18.1
1153.9	47.4	1418.6	40.5	2058.3	24.0
1203.1	50.9	1404.5	62.1	2467.2	34.5
1189.3	19.7	1456.0	33.1	2839.3	18.9
1150.5	22.0	1764.7	51.2	2646.4	122.3
1201.2	54.2	1623.0	34.8	2820.9	46.9
1389.9	28.0	1643.2	46.6	2701.1	18.2
1632.8	41.4	1734.9	29.0	2849.9	23.9

Table S1.d. Compiled zircon U-Pb ages of Tethyan Himalaya

(from Gehrels et al., 2011)

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
TETHYAN STRATA IN		1076.0	13.0	620.0	6.0
HIGHER HIMALAYA		1151.0	11.0	626.0	9.0
Myrow et al. (2010)		1163.0	24.0	647.0	7.0
455.0	4.0	1201.0	55.0	739.0	8.0
552.0	5.0	1285.0	46.0	810.0	8.0
556.0	6.0	1289.0	14.0	856.0	9.0
576.0	6.0	1457.0	19.0	873.0	9.0
602.0	8.0	1551.0	42.0	881.0	8.0
663.0	7.0	1616.0	21.0	919.0	10.0
664.0	7.0	1682.0	6.0	929.0	10.0
742.0	8.0	1706.0	13.0	936.0	10.0
756.0	8.0	1730.0	11.0	940.0	12.0
806.0	9.0	1777.0	9.0	941.0	12.0
825.0	8.0	1966.0	16.0	941.0	10.0
835.0	18.0	1978.0	14.0	950.0	12.0
919.0	9.0	2212.0	11.0	958.0	9.0
920.0	12.0	2293.0	37.0	959.0	11.0
921.0	9.0	2339.0	30.0	961.0	10.0
933.0	9.0	2361.0	5.0	962.0	10.0
941.0	10.0	2461.0	20.0	963.0	9.0
957.0	14.0	2462.0	13.0	966.0	11.0
970.0	13.0	2470.0	22.0	984.0	10.0
974.0	10.0	2486.0	22.0	985.0	12.0
976.0	9.0	2500.0	16.0	999.0	10.0
982.0	10.0	2517.0	6.0	1001.0	12.0
989.0	12.0	2585.0	15.0	1052.0	50.0
994.0	14.0	2628.0	2.0	1067.0	65.0
997.0	17.0	2876.0	5.0	1069.0	11.0
998.0	10.0	2969.0	6.0	1100.0	8.0
1004.0	24.0	3463.0	7.0	1129.0	51.0
1004.0	16.0	399.0	4.0	1159.0	10.0
1019.0	11.0	447.0	6.0	1165.0	20.0
1040.0	31.0	469.0	5.0	1167.0	45.0
1054.0	16.0	524.0	7.0	1199.0	42.0
1061.0	34.0	566.0	6.0	1217.0	17.0
1070.0	23.0	593.0	6.0	1229.0	18.0
1072.0	33.0	595.0	6.0	1311.0	79.0
1075.0	43.0	614.0	6.0	1380.0	22.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1411.0	23.0	1044.0	33.0	883.0	12.0
1432.0	13.0	1065.0	51.0	885.0	9.0
1447.0	14.0	1134.0	39.0	941.0	10.0
1469.0	13.0	1146.0	47.0	946.0	10.0
1491.0	13.0	1155.0	29.0	949.0	11.0
1497.0	17.0	1160.0	35.0	954.0	181.0
1587.0	22.0	1171.0	25.0	963.0	10.0
1630.0	10.0	1181.0	29.0	968.0	12.0
1880.0	11.0	1212.0	29.0	971.0	11.0
2425.0	38.0	1240.0	14.0	971.0	10.0
2432.0	22.0	1299.0	310.0	977.0	11.0
2469.0	21.0	1365.0	26.0	999.0	12.0
2469.0	6.0	1435.0	33.0	1004.0	11.0
2478.0	19.0	1548.0	15.0	1024.0	188.0
2527.0	5.0	1607.0	23.0	1027.0	91.0
2549.0	14.0	1621.0	23.0	1044.0	101.0
2552.0	5.0	1652.0	31.0	1062.0	61.0
2555.0	12.0	1653.0	133.0	1078.0	329.0
2564.0	5.0	1718.0	15.0	1096.0	20.0
2777.0	13.0	1734.0	13.0	1121.0	65.0
3167.0	7.0	1788.0	20.0	1126.0	25.0
424.0	5.0	1838.0	97.0	1126.0	74.0
484.0	6.0	1845.0	6.0	1155.0	281.0
532.0	6.0	1908.0	148.0	1156.0	83.0
551.0	9.0	1919.0	18.0	1192.0	54.0
575.0	8.0	2175.0	12.0	1219.0	21.0
618.0	7.0	2753.0	6.0	1373.0	479.0
623.0	8.0	3147.0	6.0	1418.0	104.0
630.0	7.0	3225.0	6.0	1427.0	73.0
657.0	7.0	526.0	6.0	1444.0	17.0
662.0	9.0	526.0	7.0	1493.0	56.0
707.0	9.0	536.0	9.0	1498.0	95.0
747.0	29.0	545.0	11.0	1601.0	20.0
764.0	9.0	569.0	6.0	1616.0	12.0
770.0	8.0	575.0	7.0	1667.0	32.0
783.0	12.0	576.0	14.0	1682.0	26.0
827.0	10.0	673.0	9.0	1694.0	10.0
867.0	11.0	698.0	14.0	1697.0	36.0
870.0	10.0	776.0	9.0	1714.0	23.0
960.0	11.0	823.0	12.0	1752.0	19.0
1037.0	20.0	823.0	13.0	1769.0	24.0
1039.0	177.0	875.0	10.0	1805.0	17.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1847.0	66.0	933.0	9.0	826.0	9.0
1915.0	14.0	940.0	10.0	845.0	9.0
2491.0	20.0	941.0	9.0	888.0	9.0
2503.0	26.0	948.0	9.0	894.0	9.0
2574.0	31.0	948.0	10.0	897.0	13.0
525.0	5.0	960.0	9.0	898.0	12.0
532.0	5.0	1035.0	20.0	901.0	10.0
542.0	6.0	1043.0	58.0	922.0	9.0
546.0	8.0	1043.0	16.0	923.0	12.0
548.0	6.0	1051.0	34.0	923.0	11.0
550.0	6.0	1071.0	9.0	926.0	12.0
558.0	10.0	1093.0	13.0	940.0	11.0
569.0	6.0	1107.0	15.0	948.0	10.0
592.0	6.0	1843.0	62.0	949.0	12.0
593.0	7.0	2232.0	14.0	952.0	13.0
605.0	10.0	2247.0	5.0	965.0	12.0
613.0	7.0	2416.0	4.0	967.0	14.0
619.0	6.0	2437.0	9.0	984.0	13.0
621.0	7.0	2448.0	12.0	986.0	12.0
625.0	8.0	3340.0	3.0	989.0	57.0
630.0	7.0	3399.0	2.0	992.0	11.0
633.0	7.0	3636.0	597.0	1023.0	50.0
639.0	7.0	283.0	3.0	1043.0	166.0
649.0	7.0	330.0	4.0	1062.0	25.0
649.0	7.0	353.0	4.0	1078.0	31.0
672.0	7.0	409.0	4.0	1104.0	33.0
722.0	10.0	493.0	7.0	1107.0	25.0
730.0	7.0	506.0	9.0	1168.0	21.0
736.0	7.0	521.0	7.0	1207.0	106.0
742.0	26.0	523.0	5.0	1292.0	19.0
752.0	11.0	532.0	8.0	1330.0	187.0
752.0	7.0	541.0	6.0	1424.0	12.0
764.0	9.0	545.0	6.0	1425.0	16.0
784.0	9.0	568.0	6.0	1448.0	67.0
784.0	8.0	595.0	6.0	1593.0	22.0
803.0	10.0	657.0	7.0	1626.0	26.0
865.0	11.0	672.0	8.0	1645.0	22.0
869.0	9.0	751.0	9.0	1743.0	13.0
881.0	9.0	766.0	8.0	2182.0	11.0
899.0	9.0	803.0	10.0	2224.0	19.0
909.0	11.0	814.0	14.0	2429.0	25.0
912.0	10.0	817.0	9.0	2456.0	11.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
2493.0	4.0	1498.0	42.0	936.0	9.0
2688.0	7.0	1501.0	16.0	963.0	10.0
302.0	3.0	1507.0	11.0	966.0	11.0
386.0	13.0	1559.0	53.0	968.0	9.0
459.0	5.0	1561.0	39.0	969.0	99.0
512.0	5.0	1602.0	21.0	969.0	14.0
522.0	5.0	1607.0	8.0	979.0	9.0
560.0	6.0	1620.0	11.0	980.0	10.0
629.0	12.0	1641.0	14.0	985.0	30.0
637.0	6.0	1701.0	6.0	996.0	10.0
753.0	9.0	1746.0	16.0	1005.0	17.0
765.0	8.0	1746.0	45.0	1041.0	23.0
787.0	8.0	1997.0	7.0	1058.0	46.0
802.0	8.0	2108.0	3.0	1066.0	14.0
827.0	8.0	2224.0	9.0	1094.0	14.0
848.0	9.0	2298.0	4.0	1135.0	10.0
867.0	8.0	2369.0	10.0	1139.0	26.0
871.0	9.0	2477.0	7.0	1153.0	10.0
873.0	9.0	2491.0	20.0	1165.0	63.0
876.0	8.0	2520.0	7.0	1168.0	36.0
886.0	9.0	2560.0	10.0	1202.0	15.0
888.0	9.0	2617.0	12.0	1205.0	45.0
890.0	14.0	2704.0	7.0	1220.0	18.0
897.0	13.0	2732.0	16.0	1238.0	9.0
905.0	11.0	2810.0	9.0	1339.0	32.0
917.0	10.0	2897.0	5.0	1372.0	32.0
960.0	10.0	707.0	15.0	1433.0	51.0
980.0	13.0	766.0	10.0	1438.0	4.0
1024.0	18.0	803.0	8.0	1450.0	4.0
1050.0	21.0	812.0	8.0	1467.0	8.0
1126.0	23.0	812.0	9.0	1520.0	26.0
1126.0	9.0	815.0	9.0	1567.0	110.0
1142.0	37.0	826.0	9.0	1598.0	7.0
1153.0	34.0	828.0	9.0	1633.0	14.0
1229.0	21.0	830.0	10.0	1655.0	49.0
1234.0	34.0	843.0	9.0	1719.0	10.0
1272.0	6.0	867.0	9.0	1723.0	15.0
1348.0	26.0	880.0	9.0	1723.0	5.0
1372.0	25.0	909.0	9.0	1742.0	75.0
1400.0	9.0	909.0	9.0	1771.0	7.0
1407.0	13.0	925.0	9.0	1834.0	64.0
1448.0	11.0	928.0	11.0	1862.0	4.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1960.0	48.0	1249.0	27.0	951.0	9.1
2453.0	21.0	1250.0	12.0	951.5	8.8
2464.0	3.0	1253.0	40.0	954.9	13.7
2476.0	11.0	1282.0	11.0	966.6	15.7
2643.0	34.0	1304.0	41.0	974.6	20.4
3246.0	6.0	1346.0	20.0	977.1	42.2
474.0	12.0	1348.0	73.0	977.2	24.1
482.0	6.0	1387.0	45.0	977.3	45.7
487.0	8.0	1400.0	22.0	978.7	23.8
498.0	7.0	1426.0	16.0	983.1	61.1
501.0	7.0	1429.0	15.0	991.1	76.1
507.0	5.0	1500.0	26.0	996.8	35.4
507.0	7.0	1532.0	11.0	999.4	68.9
543.0	7.0	1582.0	34.0	1000.0	51.8
571.0	8.0	1655.0	8.0	1000.2	35.5
578.0	6.0	1818.0	10.0	1004.3	51.8
578.0	8.0	1837.0	13.0	1004.5	46.7
585.0	6.0	1900.0	6.0	1006.2	20.3
635.0	10.0	1926.0	87.0	1012.1	20.3
666.0	15.0	2235.0	37.0	1014.5	83.1
717.0	13.0	2385.0	8.0	1030.9	52.2
739.0	9.0	2483.0	5.0	1038.8	56.3
745.0	8.0	3123.0	8.0	1039.1	68.9
758.0	9.0	3267.0	9.0	1089.9	59.1
781.0	12.0	McQuarrie et al. (2008)		1180.4	30.1
801.0	12.0	836.7	7.8	1220.7	50.7
896.0	13.0	851.3	8.0	1262.6	41.2
901.0	10.0	875.1	8.2	1397.4	257.9
1047.0	53.0	878.8	8.2	1413.1	65.4
1054.0	13.0	903.4	16.3	1490.6	35.1
1066.0	14.0	906.9	25.2	1515.3	47.8
1067.0	27.0	908.6	28.9	1567.4	29.8
1071.0	48.0	911.0	11.2	1579.3	29.2
1093.0	10.0	912.3	12.8	1587.3	20.9
1097.0	36.0	917.9	8.6	1593.2	36.8
1104.0	43.0	919.2	8.6	1611.6	42.9
1115.0	72.0	919.9	16.2	1613.5	18.6
1127.0	33.0	928.0	8.6	1623.2	62.7
1176.0	26.0	928.6	9.1	1623.8	21.8
1182.0	41.0	941.6	14.1	1645.2	20.8
1184.0	13.0	944.4	11.3	1696.6	19.9
1198.0	330.0	950.8	18.2	1699.6	21.7

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1716.6	27.8	544.5	5.2	1111.3	41.6
1717.6	21.9	567.3	7.5	1119.8	45.5
1721.6	18.4	588.7	5.6	1120.7	80.4
1737.0	45.7	605.4	15.0	1122.0	41.3
1760.9	24.0	726.7	8.6	1126.0	38.7
1802.9	30.9	761.9	12.3	1142.4	42.8
1822.3	62.6	771.8	16.5	1160.8	31.3
1853.4	52.2	831.1	59.3	1172.9	27.1
1856.2	24.4	847.3	59.2	1201.4	43.4
1880.2	77.9	848.6	62.4	1209.7	56.5
1886.4	54.4	881.6	45.6	1264.6	59.2
1889.6	18.0	914.0	48.2	1333.6	72.2
1891.2	76.2	920.2	34.8	1400.1	19.6
1951.6	30.4	923.0	43.2	1429.4	55.7
2074.4	53.0	928.3	84.9	1432.2	43.1
2104.4	34.4	931.2	43.5	1506.5	53.7
2146.7	96.9	948.5	26.8	1510.9	57.6
2238.3	74.8	973.5	31.4	1522.4	*82.2*
2369.8	32.2	975.0	23.2	1554.4	52.6
2414.8	18.3	997.5	32.9	1560.3	32.5
2422.1	51.6	999.9	34.3	1578.7	43.6
2426.3	34.1	1000.6	39.8	1585.0	29.5
2440.0	51.7	1002.6	48.9	1600.9	51.7
2443.9	26.1	1004.6	44.2	1643.4	27.8
2455.0	16.9	1010.6	56.0	1652.7	38.4
2461.5	42.8	1022.7	55.9	1654.9	33.4
2469.4	22.1	1023.8	39.3	1667.1	49.6
2476.3	43.0	1027.5	33.6	1684.8	25.7
2476.7	16.9	1032.0	71.8	1771.1	23.0
2486.4	43.0	1032.2	50.5	1780.3	41.7
2491.0	16.9	1032.3	51.7	1801.8	30.2
2496.6	63.7	1033.0	53.4	1876.9	65.7
2530.1	37.4	1040.1	72.3	1879.8	38.6
2543.2	28.8	1048.9	45.2	1901.7	45.8
2546.5	20.4	1049.4	69.4	1913.8	59.4
2794.3	28.0	1049.9	41.3	2061.9	57.0
2812.1	73.6	1068.0	34.2	2086.2	47.0
2909.5	51.9	1073.0	51.0	2126.8	27.8
Gehrels et al. (2011)		1081.3	42.1	2225.1	30.5
527.7	12.4	1088.2	*39.8*	2390.2	42.4
534.5	5.1	1106.8	70.0	2437.3	17.6
538.6	11.4	1110.3	27.0	2474.8	24.3

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
2483.9	58.0	1310.0	21.0	1143.7	29.9
2485.3	40.1	1337.9	9.1	1181.3	23.1
2485.9	37.9	1413.7	2.2	1197.5	31.8
2503.7	37.9	1783.0	27.4	1199.7	30.5
2504.1	38.2	1830.5	47.3	1205.3	27.0
2544.6	38.9	1845.0	14.8	1208.2	34.5
2687.3	46.5	1864.2	12.1	1212.6	33.7
2700.5	32.9	2640.0	19.0	1213.4	28.1
2774.3	44.9	2670.0	18.8	1219.2	28.7
3053.3	88.6	3404.0	16.0	1222.7	19.2
3218.3	22.1	495.4	9.0	1224.5	30.7
599.0	19.2	495.6	6.7	1228.0	24.2
770.0	9.9	503.6	29.3	1236.3	30.3
2634.0	3.0	511.3	8.8	1236.3	34.2
501.2	12.5	636.5	17.7	1239.8	29.4
503.2	16.4	645.7	31.7	1324.8	26.2
514.1	8.7	652.6	14.5	1337.6	25.6
516.1	5.1	653.6	25.6	1341.0	33.5
518.2	5.4	682.2	18.9	1356.0	24.5
525.4	20.1	691.4	25.3	1367.9	17.2
650.1	13.5	696.5	13.3	1628.2	18.6
732.2	17.3	704.0	17.8	1730.0	27.2
766.5	15.7	869.0	18.1	1733.7	21.8
770.3	18.3	879.4	24.6	1735.2	26.1
781.8	16.6	879.5	12.4	1743.3	27.5
828.9	18.2	898.1	14.8	1747.9	27.1
843.3	22.2	899.6	21.2	1751.4	10.9
1063.3	44.7	929.7	24.0	1757.2	23.7
1069.2	76.3	940.3	22.2	1762.2	32.2
1097.0	20.0	942.7	12.8	1783.1	19.9
1101.0	37.0	949.4	13.5	1784.9	28.0
1153.3	8.7	983.4	16.1	1791.4	27.9
1162.1	55.1	1026.9	32.9	1795.7	23.0
1163.0	119.2	1055.5	27.7	1799.6	30.5
1163.5	23.8	1087.5	33.0	1812.6	26.5
1164.1	26.1	1101.7	38.1	1850.4	30.3
1182.4	86.0	1103.7	38.3	1861.6	33.4
1217.5	49.0	1106.8	22.5	1866.8	19.5
1219.0	31.0	1116.9	44.8	1907.7	29.7
1235.6	59.8	1128.4	34.2	1912.1	19.5
1247.8	21.4	1129.1	30.2	1913.3	25.6
1270.0	29.0	1136.0	31.9	1918.6	34.5

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1964.1	27.1	645.5	16.5	1074.1	25.3
2005.7	31.8	741.8	18.0	1078.5	21.0
2084.3	17.5	756.4	20.3	1088.8	21.5
2116.4	22.4	796.0	17.7	1095.9	20.4
2298.5	25.9	797.3	20.6	1097.2	21.0
2333.2	25.9	800.7	20.4	1129.2	20.1
2478.0	14.1	814.5	20.0	1129.3	21.6
2490.5	29.1	820.5	26.2	1142.4	20.0
2534.0	23.2	825.5	21.9	1147.7	21.4
2571.9	30.3	828.8	18.3	1163.2	20.1
2606.0	30.0	850.9	25.3	1164.4	20.0
2606.2	26.5	854.0	19.3	1194.2	20.2
2641.4	23.7	863.4	19.5	1231.1	33.2
2655.3	29.3	864.4	19.6	1264.9	19.9
2686.7	27.3	866.0	40.6	1274.0	19.6
2698.7	19.4	870.2	21.9	1363.7	19.5
2800.8	18.0	871.7	20.5	1370.2	19.6
2805.0	22.6	889.0	58.2	1380.9	19.6
2838.7	28.2	889.7	20.7	1388.4	19.5
2888.5	22.4	890.4	21.5	1398.1	20.1
3291.1	22.6	905.5	21.8	1454.1	19.4
481.4	10.2	906.6	22.6	1490.4	19.1
494.7	11.8	916.1	51.4	1637.5	18.7
497.3	10.8	939.7	21.5	1735.3	18.5
505.0	10.8	940.2	21.7	1744.3	18.3
510.3	10.9	943.0	21.0	1963.0	18.1
517.2	14.2	963.0	21.8	2454.1	17.0
524.4	11.9	964.8	23.5	2476.5	20.6
524.6	12.8	964.8	21.4	2480.0	16.9
525.5	11.6	971.8	22.0	2496.9	16.9
525.6	12.2	982.8	22.3	2506.4	16.8
525.7	12.3	983.2	44.1	2511.3	22.7
530.0	12.2	1008.8	26.8	2710.2	16.5
530.4	11.7	1023.8	63.5	3083.0	16.0
531.1	14.5	1029.7	20.9	483.6	7.3
538.8	11.8	1034.4	22.4	485.1	8.5
544.8	12.0	1053.5	25.3	485.5	5.9
562.4	12.4	1062.3	21.3	503.8	5.9
564.4	13.9	1062.7	23.7	507.8	5.9
572.0	12.7	1065.9	21.5	508.6	6.2
595.8	13.5	1066.0	23.8	515.2	8.0
607.5	14.6	1073.2	20.2	516.2	7.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
524.9	7.1	878.1	10.2	2486.7	16.9
528.1	6.3	881.9	12.1	2501.1	17.1
529.4	6.8	889.3	10.9	2511.9	16.9
532.5	6.6	894.1	11.6	2519.6	16.8
537.1	7.1	901.1	13.1	2523.3	17.3
542.2	6.3	909.6	12.7	2543.9	16.8
549.4	9.6	917.0	19.8	506.2	6.1
550.9	6.4	924.0	13.4	513.4	10.6
559.6	7.4	924.5	10.9	514.5	10.5
567.1	6.4	929.9	14.1	519.3	5.0
571.0	7.6	931.9	11.6	520.7	5.0
571.9	9.3	944.8	10.7	522.5	7.4
597.6	10.2	952.0	12.4	527.6	7.3
614.5	11.9	960.5	31.3	543.0	10.9
621.9	8.7	968.5	11.7	547.8	7.1
657.0	7.9	975.5	13.6	548.3	5.3
733.8	9.0	978.8	12.5	548.9	9.8
747.0	26.4	1021.8	21.0	556.8	10.2
751.0	9.0	1055.6	22.8	565.4	7.4
753.7	11.3	1065.2	21.2	570.4	13.4
763.5	9.3	1093.6	22.6	585.3	8.1
768.9	15.0	1095.8	20.5	616.9	7.1
770.6	10.4	1107.7	37.4	618.0	5.9
778.1	10.3	1148.6	22.1	672.8	7.2
791.5	16.1	1190.2	20.9	699.2	12.3
794.1	9.2	1209.0	19.9	702.8	25.0
796.0	14.1	1225.4	19.7	752.7	11.9
797.6	14.8	1237.1	20.3	764.5	11.4
803.3	12.6	1246.0	21.5	783.7	12.3
812.0	10.7	1256.6	19.9	801.5	7.5
819.3	12.5	1266.7	20.3	811.1	7.8
821.1	10.7	1319.0	21.0	812.3	7.6
829.4	11.2	1331.5	19.5	821.6	7.7
831.1	11.2	1332.4	20.8	847.2	17.9
831.8	9.9	1417.9	19.4	851.1	18.5
832.0	29.8	1496.5	19.5	873.8	21.2
837.1	14.2	1515.0	19.5	883.1	9.2
839.6	10.5	1521.2	19.3	883.6	16.3
845.4	11.2	1735.4	20.1	885.5	25.0
845.5	29.3	1770.6	18.5	902.2	16.8
873.8	22.0	1771.4	18.4	902.3	25.2
876.9	21.3	2465.7	17.9	909.9	14.3

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
912.2	8.5	1911.0	31.1	669.2	9.7
914.2	14.1	1918.8	52.0	678.1	14.6
915.0	18.9	1928.2	29.4	684.4	14.7
915.7	9.8	1928.4	42.5	685.8	7.7
919.0	9.2	1957.3	46.2	731.2	37.4
920.2	8.6	2223.7	64.5	734.7	8.1
934.0	8.7	2432.7	29.0	786.1	8.7
935.8	17.1	2434.0	18.6	790.4	12.1
940.0	19.6	2436.6	17.0	796.7	21.0
943.8	16.1	2470.7	32.1	801.3	22.8
943.9	10.6	2473.3	22.8	809.2	22.6
944.4	15.4	2506.7	28.6	811.5	9.5
945.8	8.8	2506.9	46.8	827.4	29.0
952.2	8.9	2512.2	27.2	841.6	7.9
953.1	22.2	2512.7	33.8	850.7	9.1
953.3	21.9	2524.8	19.2	873.3	8.2
959.0	8.9	2525.5	56.6	877.7	12.6
961.2	18.0	2613.1	16.7	906.4	8.5
963.0	14.5	2632.4	23.1	918.3	13.4
968.2	27.2	2844.4	26.6	922.1	30.6
973.8	9.9	2857.8	25.2	927.4	22.8
982.2	11.4	2919.8	34.2	933.0	13.0
1002.7	11.1	368.7	7.2	933.9	9.0
1025.4	27.9	400.6	7.2	935.2	11.7
1026.1	15.7	406.1	8.1	937.9	21.7
1050.5	10.7	512.7	7.2	949.7	12.5
1051.4	12.8	516.1	7.7	951.8	12.9
1054.7	13.8	520.6	6.0	952.3	8.9
1060.7	11.2	532.6	7.9	957.0	9.2
1074.0	14.2	540.0	15.0	959.2	14.4
1087.1	25.6	540.7	12.6	963.7	17.2
1149.9	47.3	543.2	9.8	968.7	9.0
1286.0	20.1	544.4	8.0	969.2	18.3
1318.1	59.0	547.6	6.5	971.4	9.0
1495.1	49.8	554.7	6.6	973.0	9.5
1559.2	50.7	557.2	7.6	973.6	9.0
1590.3	91.0	562.4	9.9	976.9	9.1
1614.2	22.4	610.3	11.8	977.0	10.1
1695.6	25.1	624.9	6.0	978.2	10.8
1696.5	21.2	627.5	10.9	979.0	21.2
1713.4	30.4	643.2	17.7	983.9	9.1
1776.3	27.7	648.2	6.2	984.3	9.1

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
990.0	9.2	496.1	7.2	967.3	9.0
990.8	11.7	500.3	13.0	939.3	17.9
1032.7	75.6	503.6	11.8	917.9	23.4
1078.1	29.3	507.5	8.5	968.7	19.1
1079.9	62.6	510.8	18.2	1004.7	13.7
1089.6	25.2	515.4	7.0	944.2	13.8
1090.1	40.3	518.3	5.5	1002.4	31.1
1098.4	25.4	518.8	10.5	953.5	20.1
1125.8	19.9	518.8	9.1	885.5	81.7
1195.8	31.4	521.4	12.7	986.0	26.5
1196.7	34.1	523.7	9.0	1003.3	29.2
1216.7	26.7	523.7	5.8	1014.9	38.3
1218.4	46.4	523.8	6.1	1027.0	36.0
1330.4	39.9	527.3	6.3	1040.0	48.5
1332.2	19.3	535.1	5.4	1050.3	47.0
1431.5	19.7	552.5	11.8	1058.3	39.6
1463.0	39.6	562.0	6.1	1072.2	63.1
1779.9	40.1	563.2	24.3	1082.1	34.7
1786.9	18.2	583.3	13.6	1087.7	29.6
1879.4	43.1	600.8	47.5	1088.3	34.9
1896.3	25.9	602.2	5.7	1092.3	20.0
2063.2	21.9	606.6	7.4	1166.9	35.5
2380.1	39.0	659.1	7.0	1172.1	33.5
2421.2	22.4	704.8	14.6	1181.2	23.9
2437.4	16.9	740.4	14.4	1225.2	41.1
2466.9	20.8	759.0	10.7	1239.3	19.7
2477.1	16.9	764.1	10.4	1245.8	24.9
2493.4	22.7	770.0	29.0	1266.7	31.8
2498.0	21.6	770.4	30.9	1273.8	21.9
2507.5	22.5	809.3	16.7	1322.3	33.9
2508.3	29.6	815.6	10.4	1389.7	20.9
2532.3	16.8	853.5	43.1	1636.3	48.5
2582.1	17.2	881.7	16.0	1968.8	17.8
2628.1	18.5	856.7	22.0	2005.0	42.4
2716.2	19.6	924.1	15.1	2095.7	38.7
2830.2	16.3	917.4	34.2	2412.9	23.6
2877.2	23.9	901.7	16.5	2466.5	22.8
3607.1	15.5	904.9	26.7	2469.6	22.8
485.2	8.5	881.1	14.2	2477.4	44.2
486.4	8.2	907.7	33.3	2499.3	27.3
491.4	13.6	889.8	25.4	2502.3	18.5
495.4	13.2	892.6	11.2	2507.5	30.1

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
2517.4	17.0	564.2	13.5	979.9	9.1
2648.5	62.4	565.7	10.0	981.5	26.1
2654.2	24.2	566.6	8.5	992.1	19.7
2659.4	24.7	570.5	8.6	993.3	22.4
2860.3	16.3	570.8	6.7	998.0	9.6
2955.3	16.1	573.0	10.1	1005.0	12.0
3156.4	15.9	580.8	19.5	1013.1	9.4
3257.3	30.2	586.4	5.6	1026.8	9.5
3264.1	33.2	590.7	12.9	1032.1	34.8
3317.9	43.1	602.0	21.3	1035.6	14.3
3445.6	18.8	603.1	9.0	1048.7	16.5
485.0	33.9	612.8	9.9	1050.0	27.4
543.0	11.9	625.2	16.7	1051.3	11.8
500.0	7.5	625.3	19.8	1101.8	35.2
542.0	5.9	638.3	13.0	1137.5	24.3
920.0	7.1	643.6	18.3	1218.2	28.3
963.0	7.6	645.4	6.1	1318.8	55.2
2608.0	6.0	647.8	6.7	1463.9	26.4
498.8	6.3	651.2	7.2	1467.6	26.2
513.8	7.8	668.2	7.7	1599.0	45.7
516.8	6.7	671.9	17.9	1790.3	42.6
526.0	10.8	706.8	8.7	1798.1	33.5
527.2	13.8	707.2	12.6	1855.5	18.8
530.1	12.1	774.7	12.3	1938.7	19.7
530.2	5.1	775.3	14.1	1966.9	20.5
536.4	11.4	841.0	9.5	2048.9	20.3
539.8	5.2	860.0	8.1	2077.3	34.7
540.9	8.1	884.9	11.3	2289.0	37.7
542.2	6.8	885.1	8.3	2293.9	17.2
543.9	9.4	890.6	12.6	2388.1	20.8
544.8	7.3	903.7	23.4	2484.1	23.9
545.3	6.5	906.0	20.8	2489.8	35.9
546.3	6.8	906.7	10.1	2524.5	35.1
549.3	9.9	915.0	15.9	2532.8	25.3
550.9	5.3	915.8	10.7	2574.3	22.1
552.7	6.3	925.3	21.4	2584.7	21.7
553.4	15.5	930.6	16.6	2656.4	34.3
555.4	5.9	938.8	8.7	2733.1	28.6
555.8	6.2	951.4	13.9	2737.6	22.2
556.0	5.3	955.3	19.6	2781.4	21.0
558.4	7.2	968.4	34.0	2790.8	30.9
558.6	5.5	968.7	9.0	3272.3	15.7

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
3328.0	21.6	920.8	10.5	2036.6	48.3
3523.5	21.1	923.0	18.4	2097.2	61.0
258.4	7.6	926.2	14.8	2111.2	33.2
426.1	5.8	937.2	14.2	2287.5	70.4
459.1	4.4	944.4	12.2	2362.2	53.3
512.4	10.9	969.6	9.4	2483.5	35.9
517.3	6.0	975.9	15.8	2559.7	42.8
517.7	10.4	992.9	23.9	2619.9	37.6
522.4	5.8	1007.2	11.8	2640.6	30.7
532.3	14.4	1012.9	29.6	2666.5	23.5
536.4	6.4	1015.4	14.9	2676.0	30.0
540.4	8.0	1018.0	13.3	2847.7	32.4
543.2	6.8	1034.3	11.4	2974.4	140.5
564.3	20.2	1043.0	16.4	3104.3	33.0
567.3	13.0	1045.6	9.7	3107.3	15.9
571.9	28.0	1056.9	37.5	3341.9	27.5
579.2	8.5	1094.4	20.7	3453.8	46.4
583.9	8.6	1117.4	40.5	419.6	15.3
593.4	10.0	1125.9	138.7	485.7	6.0
604.2	7.4	1144.0	42.5	490.0	9.0
630.6	10.8	1201.5	44.0	495.7	5.9
670.2	11.9	1215.0	34.0	496.3	5.2
685.9	10.2	1261.5	68.2	498.8	7.3
687.8	33.1	1262.4	32.3	500.6	11.1
724.0	13.2	1284.2	26.1	501.7	6.2
727.2	9.1	1349.9	29.5	503.6	10.0
731.0	10.4	1350.0	19.3	505.9	8.1
774.9	20.0	1387.3	41.3	510.2	12.6
775.3	7.9	1398.6	41.8	514.3	6.4
783.5	25.2	1410.6	31.2	514.3	7.7
784.9	7.4	1448.3	57.5	516.1	12.0
790.5	13.6	1518.4	45.3	520.4	7.9
795.5	7.5	1574.4	61.2	520.6	5.2
802.6	35.0	1641.6	78.4	521.9	9.5
806.9	46.6	1650.3	226.8	522.0	31.2
821.5	7.9	1652.7	39.7	522.9	9.6
857.0	17.5	1657.0	147.5	524.0	10.8
869.2	8.1	1739.5	28.4	525.1	8.2
877.5	8.2	1804.2	18.2	527.8	11.7
898.6	15.6	1824.9	35.2	528.6	11.1
898.7	20.0	1835.3	18.5	531.6	12.4
914.1	9.4	1970.1	24.2	532.1	5.3

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
534.5	12.8	1156.5	32.4	464.8	4.5
539.3	6.1	1160.6	20.0	484.8	4.7
539.8	10.6	1178.6	26.1	508.1	12.7
542.1	11.0	1185.6	40.5	508.2	6.1
542.3	6.7	1188.0	51.3	511.3	5.2
546.3	8.1	1188.3	26.5	515.2	26.5
549.8	7.2	1193.6	24.5	532.4	5.1
582.4	5.6	1204.5	22.7	533.4	8.0
582.5	20.6	1205.0	38.6	538.0	17.0
586.0	28.1	1247.2	27.6	541.5	5.2
587.8	25.2	1334.6	19.5	543.8	13.1
627.2	17.3	1445.3	62.3	548.0	5.3
634.1	13.2	1615.2	29.3	549.0	10.0
674.8	10.3	1646.2	21.2	549.5	9.7
679.7	7.1	2362.4	18.9	552.7	7.0
694.5	11.6	2409.6	53.4	553.4	12.6
694.7	9.6	2419.6	18.7	559.0	5.4
708.1	12.3	2453.3	16.9	562.1	5.4
722.6	11.6	2457.3	23.8	565.0	8.0
725.2	27.4	2457.8	19.1	566.2	10.5
730.0	23.0	2460.6	16.9	571.2	7.8
733.8	14.7	2462.6	28.7	574.6	14.3
760.8	58.9	2477.2	17.2	578.6	7.1
780.1	20.4	2479.4	18.2	604.3	5.8
835.5	29.5	2484.5	16.9	615.5	34.6
840.2	25.2	2508.8	16.8	647.2	11.0
876.5	13.7	2840.8	16.3	664.6	10.1
877.9	16.5	3043.1	28.8	719.3	6.8
906.6	16.9	3118.6	15.9	726.1	11.9
928.7	27.7	3136.7	16.5	738.0	67.7
934.9	12.0	3452.5	17.8	758.0	9.4
937.1	36.7	3457.4	15.5	777.0	24.2
968.4	14.4	516.0	2.5	819.2	18.1
975.1	17.3	500.0	8.0	843.4	11.6
984.6	9.1	568.0	4.7	847.8	16.2
1017.4	21.8	499.0	2.6	854.4	8.0
1025.2	32.9	842.0	3.6	855.7	15.8
1037.2	31.1	766.0	12.3	864.5	29.4
1107.8	43.0	907.0	5.5	868.8	19.7
1118.5	20.0	1218.0	9.0	882.2	23.7
1147.2	55.4	1810.0	13.0	905.6	24.2
1148.3	31.9	2299.0	5.0	920.8	15.3

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
930.1	8.7	1795.0	36.2	542.0	7.0
935.6	8.7	1810.0	51.6	542.3	9.2
948.0	14.3	1878.5	25.8	543.5	8.5
967.2	22.2	1892.1	39.6	545.6	11.1
974.0	42.1	1966.5	20.9	546.8	9.0
975.5	9.1	2108.6	21.2	551.8	18.9
983.4	9.1	2254.3	60.8	553.6	15.0
1009.2	9.3	2461.2	16.9	559.4	9.1
1023.9	12.2	2483.9	31.5	559.5	11.0
1027.2	12.1	2540.2	24.8	560.6	5.4
1040.0	9.6	2557.6	19.9	569.1	9.8
1063.5	13.9	2962.7	26.3	611.8	10.5
1144.3	64.4	3001.8	97.7	613.5	10.5
1149.0	60.2	3375.8	20.9	628.8	6.6
1163.0	28.1	3440.2	24.4	647.3	6.2
1165.5	43.8	3662.8	37.7	699.7	6.6
1167.4	47.7	120.1	3.4	722.0	10.2
1171.9	32.9	124.0	2.0	789.8	13.8
1183.9	28.9	126.8	1.4	791.6	18.7
1194.8	27.4	128.7	4.8	815.2	13.2
1200.9	32.5	128.8	2.3	835.5	21.2
1201.4	56.2	128.9	3.7	840.5	8.5
1209.1	76.8	129.5	1.5	857.5	8.8
1216.5	38.2	129.6	2.6	862.0	12.9
1252.9	51.9	129.7	3.4	878.6	10.7
1331.6	33.7	132.1	4.6	888.0	8.4
1393.4	31.7	481.8	6.4	891.7	13.8
1417.8	19.1	496.9	6.9	897.4	8.4
1491.7	28.8	503.0	14.4	902.0	11.4
1508.6	73.7	514.2	6.9	910.4	11.9
1616.9	29.4	517.0	5.5	914.2	14.4
1622.0	54.2	517.9	13.0	915.4	10.8
1661.1	38.1	520.2	12.2	939.3	22.1
1661.2	41.7	520.2	6.2	947.7	15.9
1664.6	38.1	522.3	7.2	958.5	20.3
1672.5	22.7	526.6	18.3	965.4	22.0
1683.6	43.6	528.1	5.1	977.8	17.8
1687.1	50.4	528.8	16.6	981.3	9.1
1716.7	56.3	532.1	5.4	983.1	13.7
1730.4	19.5	532.9	11.8	989.8	20.0
1750.7	42.7	537.7	14.5	991.8	16.3
1754.7	19.6	538.6	19.0	992.8	9.2

Age (Ma)	Error (1s)
999.0	29.2
1019.0	11.9
1024.5	10.3
1036.8	21.5
1042.5	21.2
1046.6	12.4
1053.5	27.4
1056.9	12.1
1122.6	31.1
1148.7	25.4
1157.7	38.9
1164.1	44.0
1170.5	30.5
1175.6	56.8
1191.4	60.7
1223.4	41.7
1231.2	48.1
1364.9	45.0
1378.1	97.4
1615.0	53.2
1635.7	27.3
1638.6	18.6
1654.2	20.4
1728.4	20.3
1807.7	69.6
2242.0	26.4
2284.9	96.5
2423.7	18.7
2449.6	32.7
2469.0	18.7
2525.4	19.0
2629.1	16.6
2684.6	16.5
3047.3	36.4
TETHYAN STRATA IN THRUST SHEETS OF FRONTAL HIMALAYA	
Gehrels et al. (2006a)	
621.0	10.0
630.0	9.0
653.0	8.0
663.0	8.0
683.0	8.0
709.0	3.0
718.0	9.0
720.0	13.0
756.0	8.0
759.0	8.0
767.0	9.0
808.0	10.0
864.3	13.0
897.7	11.6
905.0	11.0
907.0	11.0
916.0	15.0
922.4	4.4
927.0	20.0
947.2	10.2
950.0	11.0
968.0	12.0
970.0	15.0
972.0	12.0
976.0	13.0
981.9	6.8
994.0	37.0
1006.0	23.0
1018.0	20.0
1027.0	20.0
1036.0	19.0
1038.0	21.0
1042.0	23.0
1043.0	21.0
1043.0	8.0
1045.0	23.0
1052.0	20.0
1054.0	27.0
1056.0	20.0
1057.0	20.0
1060.0	57.0
1063.0	22.0
1063.0	17.0
1063.0	12.0
1067.0	21.0
1069.0	20.0
1077.0	21.0
1089.0	22.0
1107.0	41.0
1109.0	26.0
1112.0	22.0
1117.0	32.0
1125.0	20.0
1129.0	18.0
1132.0	20.0
1135.0	21.0
1142.0	10.0
1143.0	20.0
1144.0	24.0
1146.0	7.0
1147.0	26.0
1148.0	20.0
1162.0	20.0
1162.0	37.0
1171.0	20.0
1171.0	22.0
1171.0	5.0
1174.0	7.0
1203.0	20.0
1234.0	20.0
1241.0	20.0
1258.0	36.0
1271.0	9.0
1273.0	55.0
1282.0	20.0
1296.0	37.0
1345.0	56.0
1370.0	20.0
1379.0	19.0
1395.0	3.0
1402.0	42.0
1452.0	20.0
1574.0	3.0
1625.0	10.0
1694.0	19.0
1760.0	24.0
1832.0	18.0
1904.0	3.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1969.0	19.0	526.7	9.1	1239.0	90.0
1982.0	18.0	527.0	10.0	1259.0	17.0
2361.0	17.0	530.0	8.1	1285.0	11.0
2529.0	17.0	531.4	6.6	1288.0	12.0
2542.0	17.0	532.0	13.0	1291.0	12.0
2725.0	17.0	535.0	9.0	1312.0	23.0
2753.0	16.0	546.0	7.0	1312.0	27.0
3023.0	18.0	559.9	2.6	1330.0	35.0
3121.0	16.0	568.2	22.5	1333.0	16.0
498.0	5.0	580.8	7.6	1346.0	12.0
476.9	9.4	595.0	25.0	1349.0	29.0
642.6	55.0	642.6	15.3	1392.0	26.0
678.9	8.6	671.3	7.1	1539.0	27.0
730.9	23.8	696.2	3.2	1618.0	11.0
732.8	20.5	736.0	11.5	1681.0	58.0
746.0	11.0	784.6	24.0	1685.0	47.0
888.0	32.0	789.3	5.9	1731.0	23.0
857.3	8.4	827.0	13.0	1732.0	18.0
1046.0	109.0	861.6	16.3	1763.0	41.0
1081.0	113.0	1065.0	30.0	1776.0	9.0
1103.0	23.0	1076.0	54.0	1802.0	39.0
1114.0	111.0	1078.0	67.0	1895.0	15.0
1143.0	68.0	1094.0	26.0	1980.0	14.0
1152.0	29.0	1097.0	77.0	2019.0	9.0
1192.0	8.0	1110.0	11.0	2093.0	20.0
1225.0	29.0	1114.0	13.0	2104.0	9.0
1244.0	31.0	1127.0	10.0	2377.0	12.0
1294.0	28.0	1134.0	28.0	2429.0	12.0
1351.0	48.0	1138.0	22.0	2649.0	3.0
1392.0	143.0	1140.0	16.0	2654.0	14.0
1561.0	21.0	1140.2	45.6	2769.0	9.0
1755.0	15.0	1158.0	69.0	2843.0	18.0
1799.0	24.0	1160.0	90.0	2853.0	11.0
1832.0	57.0	1169.0	3.0	2944.0	5.0
2500.0	8.0	1176.0	12.0	496.8	5.7
2520.0	6.0	1189.0	33.0	497.4	4.5
2610.0	5.0	1196.0	32.0	516.0	12.0
3037.0	149.0	1217.0	21.0	518.8	6.0
3236.0	5.0	1225.0	26.0	569.0	6.0
474.5	14.7	1227.0	59.0	596.0	18.0
490.2	6.0	1234.0	33.0	609.0	8.0
504.5	17.3	1234.0	19.0	620.0	14.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
625.8	5.3	1226.0	20.0	2828.0	37.0
632.3	13.4	1229.0	32.0	2830.0	16.0
773.0	29.0	1275.0	27.0	2877.0	16.0
780.0	18.0	1320.0	38.0	2953.0	16.0
800.0	9.0	1433.0	25.0	3103.0	19.0
820.6	6.8	1439.0	6.0	3311.0	16.0
823.0	15.0	1447.0	8.0	3538.0	16.0
835.0	9.5	1519.0	37.0	3785.0	15.0
839.0	9.0	1534.0	20.0	497.0	3.0
846.0	12.0	1537.0	23.0	419.0	7.1
861.0	12.0	1628.0	19.0	425.0	2.8
869.0	10.0	1629.0	23.0	775.0	4.3
874.0	12.0	1671.0	3.0	919.0	5.8
879.0	7.5	1720.0	19.0	924.0	5.3
908.0	35.0	1734.0	20.0	942.0	4.9
937.0	14.0	1768.0	19.0	867.0	7.2
972.0	44.0	1784.0	21.0	1134.0	8.0
973.0	13.0	1800.0	19.0	1468.0	5.0
985.0	16.0	1801.0	25.0	1632.0	5.0
1005.0	52.0	2082.0	28.0	2172.0	12.0
1010.0	16.0	2105.0	18.0	2701.0	5.0
1010.0	20.0	2171.0	18.0	2856.0	4.0
1030.0	88.0	2270.0	18.0	Gehrels et al. (2006b)	
1056.0	86.0	2345.0	18.0	489.0	4.0
1058.0	26.0	2467.0	17.0	491.0	5.0
1071.0	21.0	2504.0	20.0	498.0	6.0
1079.0	29.0	2507.0	17.0	536.0	4.0
1087.0	20.0	2522.0	18.0	568.0	6.0
1088.0	12.0	2530.0	18.0	654.0	5.0
1090.0	35.0	2534.0	17.0	659.0	5.0
1090.0	24.0	2543.0	17.0	669.0	6.0
1095.0	68.0	2597.0	17.0	752.0	4.0
1101.0	23.0	2597.0	4.0	772.0	4.0
1120.0	23.0	2601.0	24.0	799.0	5.0
1124.0	32.0	2626.0	17.0	806.0	5.0
1145.0	24.0	2632.0	29.0	815.0	4.0
1150.0	24.0	2652.0	17.0	835.0	4.0
1153.0	16.0	2680.0	17.0	837.0	4.0
1154.0	95.0	2686.0	6.0	846.0	8.0
1155.0	22.0	2703.0	1.0	877.0	17.0
1223.0	3.0	2725.0	16.0	887.0	8.0
1225.0	20.0	2737.0	17.0	895.0	6.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
919.0	9.0	1631.0	7.0	584.0	4.0
921.0	6.0	1664.0	12.0	589.0	24.0
932.0	5.0	1706.0	12.0	611.0	6.0
935.0	11.0	1731.0	7.0	615.0	6.0
935.0	9.0	1756.0	10.0	637.0	6.0
939.0	8.0	1775.0	8.0	657.0	6.0
1027.0	5.0	1783.0	8.0	658.0	6.0
1042.0	8.0	2013.0	9.0	691.0	15.0
1042.0	10.0	2226.0	10.0	692.0	7.0
1045.0	5.0	2454.0	5.0	702.0	5.0
1052.0	8.0	2465.0	8.0	714.0	10.0
1053.0	12.0	2503.0	6.0	834.0	4.0
1062.0	32.0	2506.0	7.0	835.0	47.0
1064.0	25.0	2511.0	8.0	838.0	9.0
1070.0	6.0	2515.0	11.0	846.0	7.0
1077.0	5.0	2545.0	24.0	880.0	12.0
1090.0	19.0	2562.0	5.0	928.0	4.0
1109.0	13.0	2563.0	6.0	974.0	6.0
1116.0	17.0	2575.0	6.0	976.0	5.0
1120.0	6.0	2585.0	8.0	1007.0	4.0
1152.0	4.0	2588.0	5.0	1017.0	7.0
1160.0	6.0	2607.0	7.0	1032.0	5.0
1161.0	5.0	2607.0	14.0	1035.0	5.0
1170.0	13.0	2625.0	22.0	1041.0	12.0
1172.0	19.0	2632.0	3.0	1045.0	90.0
1174.0	7.0	2653.0	7.0	1047.0	11.0
1198.0	18.0	2668.0	6.0	1049.0	13.0
1205.0	8.0	2685.0	4.0	1053.0	4.0
1215.0	7.0	2687.0	8.0	1081.0	27.0
1216.0	36.0	2706.0	7.0	1084.0	36.0
1247.0	23.0	2741.0	5.0	1087.0	5.0
1251.0	10.0	2772.0	6.0	1088.0	17.0
1256.0	7.0	2836.0	17.0	1088.0	18.0
1287.0	8.0	2970.0	5.0	1098.0	6.0
1297.0	6.0	3755.0	5.0	1101.0	26.0
1305.0	32.0	4042.0	6.0	1117.0	5.0
1360.0	35.0	489.0	13.0	1119.0	12.0
1372.0	21.0	495.0	6.0	1125.0	25.0
1380.0	22.0	496.0	9.0	1130.0	5.0
1400.0	12.0	499.0	5.0	1131.0	6.0
1423.0	12.0	529.0	5.0	1132.0	4.0
1581.0	12.0	568.0	5.0	1136.0	4.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1150.0	5.0	2839.0	8.0	1060.0	5.0
1159.0	6.0	2915.0	7.0	1061.0	4.0
1159.0	4.0	3037.0	8.0	1063.0	7.0
1165.0	12.0	3227.0	6.0	1070.0	11.0
1168.0	8.0	3235.0	5.0	1071.0	7.0
1179.0	8.0	3285.0	6.0	1071.0	10.0
1237.0	6.0	3472.0	4.0	1078.0	4.0
1346.0	9.0	3507.0	4.0	1112.0	7.0
1373.0	7.0	496.0	4.0	1117.0	9.0
1375.0	20.0	497.0	6.0	1132.0	34.0
1471.0	25.0	506.0	5.0	1159.0	16.0
1480.0	4.0	516.0	4.0	1168.0	3.0
1511.0	6.0	535.0	8.0	1235.0	8.0
1535.0	6.0	652.0	6.0	1352.0	5.0
1596.0	5.0	669.0	4.0	1365.0	18.0
1621.0	4.0	695.0	3.0	1376.0	20.0
1657.0	8.0	762.0	10.0	1459.0	14.0
1663.0	7.0	770.0	5.0	1553.0	6.0
1664.0	8.0	773.0	9.0	1591.0	3.0
1674.0	18.0	785.0	7.0	1593.0	4.0
1733.0	21.0	812.0	4.0	1611.0	5.0
1757.0	8.0	814.0	5.0	1612.0	6.0
1772.0	7.0	838.0	5.0	1644.0	4.0
1784.0	5.0	842.0	11.0	1700.0	10.0
2154.0	18.0	849.0	9.0	1708.0	5.0
2218.0	6.0	904.0	10.0	1714.0	5.0
2361.0	5.0	908.0	4.0	1757.0	4.0
2484.0	5.0	914.0	7.0	1798.0	6.0
2497.0	6.0	917.0	16.0	1835.0	16.0
2511.0	3.0	947.0	8.0	1862.0	4.0
2530.0	14.0	950.0	6.0	1878.0	9.0
2536.0	8.0	951.0	11.0	1920.0	5.0
2549.0	5.0	953.0	8.0	1948.0	4.0
2557.0	6.0	955.0	10.0	2134.0	5.0
2603.0	5.0	978.0	6.0	2217.0	3.0
2620.0	7.0	989.0	49.0	2390.0	4.0
2623.0	6.0	998.0	5.0	2462.0	3.0
2700.0	6.0	1004.0	9.0	2510.0	5.0
2713.0	5.0	1020.0	12.0	2535.0	3.0
2726.0	15.0	1031.0	6.0	2558.0	4.0
2788.0	5.0	1039.0	4.0	2570.0	3.0
2825.0	6.0	1052.0	18.0	2570.0	5.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
2572.0	5.0	2544.0	5.0	1057.8	9.8
2574.0	2.0	Gehrels et al. (2011)		1059.8	29.8
2576.0	6.0	502.2	14.3	1086.1	17.8
2587.0	8.0	506.7	6.7	1086.8	23.4
2587.0	5.0	511.7	8.0	1088.4	23.7
2596.0	4.0	526.2	5.1	1111.1	19.7
2599.0	6.0	589.7	5.6	1122.7	10.3
2607.0	5.0	599.8	8.6	1125.9	10.3
2615.0	5.0	664.1	7.7	1160.5	42.0
2644.0	7.0	771.2	7.3	1219.6	27.3
2696.0	5.0	784.9	27.3	1315.6	103.5
2698.0	6.0	787.8	20.8	1321.4	36.0
2731.0	6.0	787.8	14.5	1342.3	28.6
2746.0	5.0	827.1	7.8	1375.6	127.8
2760.0	6.0	855.3	27.1	1407.1	81.8
2760.0	5.0	874.7	17.0	1428.9	43.9
2812.0	6.0	887.4	13.8	1496.3	21.6
2916.0	5.0	907.3	8.5	1529.9	31.8
3310.0	7.0	914.1	13.3	1558.1	38.7
3372.0	6.0	929.5	12.6	1566.1	36.0
DeCelles et al. (2000)		945.6	20.8	1570.4	53.2
508.0	11.2	947.2	8.8	1582.2	47.3
504.0	7.1	951.9	12.8	1584.5	27.5
536.0	3.4	953.2	12.7	1621.2	47.8
845.0	7.2	954.5	15.6	1691.8	73.2
893.0	7.3	954.9	14.9	1730.5	25.7
932.0	9.6	959.4	8.9	1759.4	38.6
854.0	4.4	966.1	11.8	1761.9	32.7
943.0	8.5	966.6	11.1	2046.6	20.7
940.0	4.7	970.0	18.3	2102.0	29.9
951.0	4.4	981.3	22.5	2139.4	138.4
957.0	5.8	981.7	9.1	2203.5	18.4
1041.0	11.0	983.0	13.5	2284.3	68.7
1104.0	5.0	987.5	10.5	2330.7	37.0
1578.0	5.0	991.8	16.1	2410.0	34.5
1592.0	4.0	992.4	9.2	2410.5	29.7
1734.0	8.0	996.8	9.2	2420.3	17.0
1772.0	10.0	997.3	10.4	2443.0	25.4
2414.0	5.0	1016.7	23.4	2451.1	32.3
2463.0	4.0	1027.5	9.5	2508.0	39.7
2493.0	3.0	1028.3	10.6	2524.5	30.7
2509.0	4.0	1031.6	21.2	2524.8	29.7

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
2540.2	31.0	1148.6	35.8	1703.3	39.8
2544.0	26.0	1169.6	47.7	1743.7	77.7
2544.4	36.0	1188.0	48.0	1744.1	67.3
2545.7	30.8	1199.2	42.4	1760.9	34.0
2561.8	32.6	1250.6	33.3	1770.2	56.8
2644.1	28.6	1251.1	34.8	1775.9	41.1
2666.2	20.2	1300.1	47.4	1780.6	43.6
2667.1	16.6	1310.1	51.2	1781.0	59.7
2690.0	56.0	1310.4	87.2	1785.5	37.4
2735.8	32.3	1332.1	32.1	1798.6	43.7
2745.7	53.0	1342.8	90.5	1800.2	52.8
2862.1	36.1	1348.3	32.5	1808.2	44.5
2955.4	199.0	1349.6	45.6	1809.6	25.1
3284.4	17.4	1358.8	60.7	1828.3	49.7
3327.7	19.3	1359.5	34.3	1846.8	33.8
3420.2	79.7	1366.5	32.4	1848.1	50.4
3636.8	19.6	1369.1	34.1	1855.0	26.6
UPPER	LESSER	1381.9	134.8	1870.0	61.2
HIMALAYA	STRATA IN	1383.1	42.3	1882.2	49.6
FRONTAL HIMALAYA		1386.2	62.9	1942.3	55.8
McQuarrie et al. (2008)		1398.8	26.3	1969.3	56.5
481.4	14.0	1455.9	69.4	2020.3	58.3
485.7	11.9	1459.5	53.2	2021.3	56.9
540.3	47.4	1491.2	36.8	2024.8	68.0
540.9	32.2	1493.7	110.8	2047.7	91.4
574.4	22.8	1503.8	54.4	2313.4	48.2
973.1	53.9	1508.2	38.0	2372.3	54.1
987.8	22.3	1510.5	60.8	2445.2	49.1
988.6	89.2	1535.7	86.4	2477.5	31.9
990.2	78.1	1578.3	34.2	2484.3	63.4
994.9	65.2	1581.9	88.9	3241.3	35.6
999.8	48.6	1582.3	114.2	951.4	77.4
1009.8	27.2	1591.7	106.2	988.9	46.3
1025.3	84.8	1599.7	76.2	1002.8	38.2
1030.8	81.3	1603.5	18.7	1013.5	74.5
1053.8	52.0	1608.2	44.8	1021.9	87.3
1061.7	67.4	1620.8	74.1	1080.5	48.5
1090.4	39.7	1622.1	97.0	1131.9	24.7
1093.5	79.6	1641.9	83.6	1153.0	69.5
1118.0	78.6	1656.4	35.2	1158.7	48.4
1124.9	62.4	1685.9	76.5	1176.5	66.3
1139.6	81.0	1688.2	57.0	1180.5	24.2

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1185.0	27.9	1655.7	26.1	2685.9	23.3
1197.8	53.0	1655.9	43.8	2711.2	29.9
1208.4	45.3	1669.5	57.2	3407.2	40.6
1213.2	44.2	1697.6	54.2	282.0	14.8
1225.9	80.2	1699.4	25.1	500.4	20.6
1226.7	39.1	1704.0	47.7	501.8	9.3
1259.2	77.4	1709.0	48.2	511.8	6.2
1262.1	48.7	1711.1	26.7	514.4	20.2
1264.3	53.5	1713.7	54.5	516.3	5.0
1290.6	59.6	1715.4	63.3	519.6	7.9
1309.9	43.3	1723.8	44.1	520.7	12.7
1321.0	49.2	1724.8	48.3	526.3	11.2
1323.0	42.3	1732.9	51.4	526.6	12.8
1351.5	62.2	1741.3	91.5	536.0	5.1
1356.4	68.5	1743.0	34.3	537.2	8.5
1357.7	41.7	1744.1	44.5	554.9	13.0
1362.9	37.4	1765.7	45.1	596.9	6.1
1365.6	54.4	1768.4	26.6	624.2	13.9
1383.1	41.5	1770.0	45.7	666.2	29.1
1390.4	74.3	1783.4	18.3	726.5	15.8
1390.9	30.2	1794.4	50.3	788.4	16.3
1395.0	58.1	1794.8	28.4	812.1	7.6
1420.0	48.4	1796.0	22.5	826.0	10.0
1421.5	47.6	1801.6	23.8	901.7	34.9
1426.9	72.4	1808.8	32.2	929.4	54.4
1443.8	31.1	1809.5	46.2	950.8	36.9
1456.0	64.1	1844.1	52.1	960.0	55.6
1463.4	76.8	1850.4	65.5	968.2	60.7
1472.9	19.0	1864.1	26.4	972.2	42.8
1474.8	54.3	1871.7	38.4	988.1	62.1
1489.8	37.7	1925.4	50.7	988.3	57.6
1495.0	25.6	1940.4	31.0	1008.6	59.3
1523.5	56.4	1961.1	102.5	1015.0	30.1
1543.2	38.0	1995.7	61.3	1024.1	44.8
1559.9	29.5	2010.1	40.5	1027.0	34.3
1574.5	35.0	2182.5	30.3	1051.7	33.0
1581.3	48.5	2226.1	38.6	1053.6	35.3
1586.9	51.7	2433.1	79.9	1067.4	69.8
1592.3	62.4	2467.6	59.1	1069.3	24.9
1606.0	23.6	2469.7	47.5	1069.8	74.1
1622.6	37.8	2493.6	38.9	1079.5	75.1
1636.2	72.4	2633.6	41.0	1091.4	34.5

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1092.7	54.7	1988.3	39.3	1399.0	44.0
1102.9	34.0	1988.6	35.4	1418.0	24.0
1109.3	75.5	2014.5	28.9	1441.0	9.0
1118.5	38.5	2050.8	45.2	1500.0	40.0
1122.3	76.6	2200.6	60.5	1524.0	18.0
1129.6	49.1	2289.0	26.0	1555.0	16.0
1133.7	51.0	2348.3	37.4	1557.0	106.0
1137.3	38.2	2412.1	36.0	1559.0	18.0
1151.6	19.9	2450.6	48.6	1586.0	11.0
1155.4	44.5	2506.2	51.7	1595.0	35.0
1158.5	43.3	2568.8	30.9	1600.0	17.0
1183.6	35.5	2623.7	32.8	1626.0	20.0
1185.4	59.6	2814.3	27.1	1682.0	18.0
1205.2	43.6	2867.0	16.3	1697.0	20.0
1283.7	34.3	Myrow et al. (2010)		1699.0	13.0
1287.9	35.4	403.0	6.0	1701.0	20.0
1292.1	48.1	682.0	12.0	1704.0	15.0
1297.4	113.8	747.0	9.0	1736.0	14.0
1322.5	73.1	756.0	9.0	1752.0	30.0
1358.2	41.8	773.0	14.0	1752.0	29.0
1365.6	43.5	787.0	9.0	1763.0	17.0
1369.2	37.9	792.0	19.0	1766.0	18.0
1379.7	43.3	797.0	10.0	1766.0	18.0
1404.0	41.0	803.0	10.0	1772.0	15.0
1408.4	43.8	809.0	10.0	1794.0	14.0
1415.2	83.6	865.0	11.0	1801.0	11.0
1545.3	35.5	880.0	12.0	1808.0	16.0
1610.1	36.8	906.0	12.0	1843.0	10.0
1689.9	60.0	918.0	12.0	1880.0	18.0
1693.1	59.4	922.0	10.0	1918.0	22.0
1702.4	40.0	932.0	12.0	1925.0	18.0
1704.7	30.6	976.0	10.0	2020.0	160.0
1706.6	25.2	977.0	12.0	2075.0	9.0
1717.2	27.0	980.0	28.0	2113.0	43.0
1730.3	38.2	984.0	10.0	2231.0	15.0
1732.9	37.3	989.0	10.0	2310.0	16.0
1734.7	47.3	1081.0	41.0	2449.0	27.0
1739.4	33.9	1186.0	22.0	214.0	3.0
1740.5	35.8	1275.0	13.0	524.0	7.0
1745.7	72.7	1322.0	28.0	532.0	7.0
1747.6	40.3	1357.0	16.0	542.0	6.0
1884.2	61.4	1373.0	45.0	547.0	9.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
548.0	8.0	1067.0	27.0	754.0	5.0
553.0	7.0	1070.0	25.0	785.0	16.0
559.0	10.0	1129.0	24.0	789.0	14.0
561.0	10.0	1543.0	37.0	797.0	14.0
563.0	15.0	1825.0	45.0	800.0	7.0
592.0	10.0	1881.0	14.0	812.0	14.0
594.0	7.0	1978.0	17.0	822.0	17.0
596.0	11.0	2176.0	16.0	825.0	19.0
597.0	8.0	2196.0	13.0	841.0	17.0
621.0	7.0	2432.0	7.0	841.0	13.0
641.0	8.0	2498.0	8.0	843.0	7.0
663.0	8.0	2500.0	9.0	864.0	16.0
674.0	8.0	2512.0	7.0	869.0	14.0
683.0	9.0	2512.0	11.0	906.0	9.0
685.0	10.0	2522.0	11.0	910.0	11.0
691.0	7.0	2529.0	16.0	941.0	20.0
751.0	10.0	2540.0	28.0	953.0	23.0
752.0	9.0	2583.0	9.0	959.0	19.0
753.0	8.0	3524.0	5.0	962.0	8.0
782.0	13.0	Myrow et al. (2003)		969.0	16.0
791.0	10.0	525.0	8.0	969.0	19.0
800.0	9.0	537.0	14.0	977.0	18.0
804.0	13.0	542.0	9.0	979.0	12.0
814.0	14.0	542.0	15.0	993.0	16.0
820.0	11.0	550.0	8.0	999.0	22.0
826.0	20.0	552.0	6.0	1052.0	9.0
831.0	10.0	560.0	19.0	1082.0	18.0
844.0	10.0	561.0	13.0	1136.0	16.0
850.0	12.0	563.0	13.0	1528.0	82.0
869.0	11.0	585.0	6.0	1750.0	95.0
872.0	15.0	590.0	14.0	1882.0	15.0
909.0	10.0	594.0	9.0	1976.0	22.0
942.0	12.0	599.0	21.0	2156.0	36.0
944.0	14.0	620.0	6.0	2201.0	17.0
958.0	17.0	644.0	14.0	2435.0	9.0
963.0	17.0	662.0	12.0	2498.0	7.0
963.0	11.0	674.0	6.0	2502.0	12.0
976.0	14.0	684.0	15.0	2510.0	12.0
976.0	12.0	686.0	8.0	2518.0	13.0
978.0	14.0	691.0	4.0	2523.0	9.0
994.0	67.0	749.0	9.0	2543.0	16.0
996.0	14.0	752.0	10.0	2564.0	26.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
2581.0	11.0	937.7	18.4	1773.0	31.4
2635.0	7.0	938.0	12.4	1773.8	31.8
3526.0	7.0	939.9	12.9	1776.1	58.4
Gehrels et al. (2011)		940.3	16.5	1777.5	18.2
498.5	12.8	943.0	12.8	1795.5	24.0
503.9	13.9	956.0	10.0	2275.5	48.4
507.0	7.2	957.9	21.8	2314.3	22.8
507.6	8.9	958.2	13.2	2409.6	50.3
523.9	6.3	970.7	17.0	2457.2	22.7
530.4	5.1	974.6	9.0	2462.8	23.5
533.2	8.5	978.5	11.4	2497.6	19.7
537.8	9.7	978.7	13.6	2500.4	32.2
540.5	10.4	980.2	16.0	2502.3	25.2
543.9	9.7	986.6	10.8	2524.3	28.9
544.2	10.9	989.5	15.1	2551.4	28.8
544.6	6.2	996.9	22.4	2560.6	19.2
545.9	21.1	1002.7	16.2	2579.5	24.2
546.2	5.2	1003.4	9.3	2745.3	36.2
551.9	19.7	1012.1	12.1	2755.5	20.5
554.7	6.6	1025.8	18.8	3448.0	43.1
564.3	5.6	1076.6	31.3	424.8	21.9
580.2	11.4	1084.6	45.1	490.8	11.5
586.9	9.5	1102.8	26.8	512.4	12.5
593.4	15.8	1155.4	38.7	524.4	11.3
606.5	20.5	1165.9	36.5	524.6	6.8
611.4	8.2	1166.8	55.7	526.1	10.0
613.5	8.7	1177.6	39.0	533.0	8.9
707.5	11.6	1197.6	98.7	535.8	7.4
718.6	6.8	1284.9	27.7	538.4	10.3
773.6	10.5	1381.5	27.1	543.4	11.5
791.9	21.0	1554.0	33.8	548.9	16.6
818.3	24.8	1577.6	237.7	554.6	5.3
829.1	11.8	1604.2	26.7	557.6	8.7
866.7	32.0	1624.6	26.4	592.9	14.8
867.4	17.9	1669.9	32.2	604.2	11.6
896.4	14.4	1682.1	75.2	605.2	10.7
898.9	14.8	1684.6	52.2	614.2	9.0
901.3	18.3	1743.7	32.3	615.7	11.9
911.7	11.0	1750.3	30.6	622.8	9.3
927.3	18.5	1752.9	21.8	626.3	8.8
928.9	8.7	1760.4	19.4	627.7	13.6
930.9	14.7	1761.5	22.5	629.5	6.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
653.8	6.2	997.6	9.2	2800.4	16.4
655.3	22.7	1005.5	22.7	3204.8	21.3
728.9	7.9	1011.6	9.4	3418.3	24.6
734.2	13.5	1034.3	18.1	3443.3	17.4
754.3	17.9	1057.6	16.5	3466.3	15.5
761.6	8.5	1081.4	19.4	476.0	6.3
764.7	19.0	1194.9	33.5	476.4	8.8
772.6	11.1	1201.4	45.3	478.4	6.5
776.6	19.2	1274.8	92.4	478.7	13.3
778.7	10.7	1329.8	42.1	481.9	6.5
792.8	18.4	1395.4	51.8	488.0	11.6
793.4	7.5	1420.1	39.0	493.1	8.3
839.8	17.4	1434.2	80.7	499.7	6.8
863.3	15.2	1440.7	63.9	501.0	11.6
869.5	15.3	1447.1	47.3	501.2	4.8
878.1	8.3	1453.6	24.4	507.7	8.7
895.9	8.4	1486.6	67.1	511.8	6.3
897.4	27.1	1585.8	59.5	515.8	7.5
915.0	12.8	1626.7	23.4	517.7	8.2
916.0	11.2	1640.4	32.3	520.5	6.7
917.5	8.6	1645.4	21.3	525.5	5.0
923.8	22.3	1794.1	22.0	526.6	5.1
925.3	29.9	1834.5	126.3	526.9	8.6
929.2	23.6	1904.7	46.2	531.1	7.7
929.6	19.0	2185.4	36.4	535.8	5.1
935.5	13.2	2328.3	47.8	537.7	7.7
935.7	18.4	2358.9	21.9	541.1	5.2
938.0	8.7	2377.7	72.8	544.1	5.2
941.1	18.3	2380.1	19.6	545.8	5.2
941.5	12.3	2396.2	17.2	555.7	5.3
946.5	25.4	2440.9	16.9	563.4	8.5
954.0	10.6	2451.5	16.9	584.5	8.0
957.4	21.4	2454.0	17.8	588.5	10.5
958.6	11.6	2460.9	24.0	613.4	11.1
963.1	17.4	2468.8	37.7	632.6	6.0
966.6	29.1	2472.3	43.6	643.3	16.2
970.8	11.3	2484.0	19.7	682.6	12.2
972.3	9.8	2484.5	24.4	692.8	10.0
972.7	14.4	2495.1	19.0	706.5	13.0
976.3	9.1	2495.4	19.7	724.6	10.3
981.4	10.7	2560.0	23.6	727.6	10.0
990.2	31.8	2799.7	25.9	731.9	10.4

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
750.1	7.7	1721.6	32.2	117.2	2.8
758.6	7.2	1725.5	43.5	117.8	2.6
809.3	13.2	1728.4	18.4	118.1	6.2
816.1	19.0	1750.9	44.7	118.4	9.1
837.4	11.2	1782.5	53.1	118.4	2.6
856.0	17.9	1810.9	28.4	118.8	3.5
876.6	12.4	1827.0	18.1	118.8	3.9
878.6	22.8	1913.7	29.8	119.0	4.1
885.2	11.5	2412.4	26.8	119.9	3.8
889.4	14.8	2434.4	31.7	120.1	1.3
893.6	13.9	2444.0	24.7	120.2	6.7
894.7	20.1	2458.3	45.5	120.2	4.0
903.9	9.8	2458.5	16.9	120.4	2.0
904.0	8.4	2460.6	30.5	120.4	1.7
904.1	21.8	2461.4	27.0	120.6	4.1
906.9	19.7	2472.9	38.7	120.7	3.1
911.5	17.0	2499.6	16.8	121.0	4.5
913.8	22.4	2506.6	31.1	121.4	1.2
927.4	20.2	2511.0	40.0	121.5	3.3
930.6	12.5	2512.3	39.0	121.8	2.2
930.7	16.9	2534.5	43.6	124.1	2.9
953.1	8.9	2607.3	41.4	124.2	1.8
954.1	27.8	2708.8	18.3	125.3	3.1
979.5	9.1	2711.7	29.7	126.4	4.4
999.6	24.7	2837.9	16.3	126.9	1.3
1021.9	16.1	3023.2	34.2	1714.3	64.4
1114.5	39.0	3090.3	18.2	1809.2	18.9
1185.1	40.7	3150.7	26.4	1838.9	44.6
1211.6	21.5	3277.7	28.1	1847.4	27.9
1220.3	73.6	3500.9	27.2	1859.5	27.8
1259.6	43.4	110.4	8.1	1862.0	31.4
1271.7	36.5	111.0	10.0	1865.3	29.2
1303.3	60.7	111.5	5.3	1867.9	33.9
1314.1	27.4	111.6	5.7	1870.1	27.4
1315.0	56.1	111.8	1.6	1875.3	68.3
1325.0	46.8	112.8	6.4	1877.4	25.4
1330.4	120.6	113.4	3.9	1882.9	18.0
1336.5	44.5	114.0	3.8	1883.5	33.9
1476.9	44.4	114.5	1.9	1885.4	28.3
1656.9	65.2	115.0	4.0	1885.9	29.2
1706.6	35.6	116.7	6.4	1887.3	27.0
1719.7	19.8	117.2	4.6	1887.4	22.7

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1890.5	32.6	2476.7	35.6	1958.0	5.0
1894.7	22.3	2478.7	21.4	1970.0	2.0
1900.4	25.3	2481.9	23.4	1971.0	1.0
1902.2	19.2	2502.7	54.0	1972.0	3.0
1905.7	40.8	2509.6	24.0	1979.0	3.0
1907.3	19.8	2522.7	16.8	1980.0	1.0
1910.4	61.4	2589.0	47.7	1981.0	4.0
1912.7	25.1	2637.1	35.9	1982.0	1.0
1915.0	19.4	2660.2	22.0	1984.0	1.0
1916.0	42.3	2777.8	46.1	1993.0	4.0
1918.7	21.2	2843.2	30.6	1997.0	1.0
1920.7	40.7	2888.6	30.8	2006.0	4.0
1922.6	27.2	2948.3	60.6	2009.0	3.0
1930.9	23.1	3147.6	28.4	2010.0	3.0
1933.6	18.8	DeCelles et al. (2004)		2012.0	3.0
1947.1	24.3	122.8	6.4	2019.0	1.0
1948.2	17.9	124.5	1.1	2024.0	3.0
1964.7	24.4	129.2	2.7	2041.0	4.0
1970.5	31.9	131.2	2.8	2042.0	2.0
1970.8	31.5	139.5	1.5	2053.0	1.0
1972.0	24.9	153.7	5.2	2055.0	5.0
1973.4	23.5	221.2	7.6	2060.0	6.0
1973.5	26.9	250.9	11.7	2072.0	2.0
1992.0	23.3	257.1	12.2	2110.0	3.0
2000.0	21.9	275.9	14.7	2115.0	2.0
2008.7	32.1	278.0	20.0	2139.0	42.0
2021.2	96.7	287.9	17.6	2160.0	2.0
2034.7	29.2	297.1	12.7	2161.0	75.0
2053.9	17.7	312.1	10.4	2217.0	2.0
2055.1	72.8	369.2	19.4	2289.0	3.0
2110.8	28.8	387.9	37.3	2302.0	4.0
2129.8	99.0	421.3	46.4	2307.0	3.0
2143.7	22.0	538.9	3.4	2351.0	8.0
2161.4	43.3	646.5	62.4	2405.0	7.0
2238.1	30.8	722.1	86.0	2418.0	1.0
2282.1	27.0	744.1	21.7	2424.0	6.0
2324.9	81.3	1543.0	8.0	2424.0	17.0
2333.3	26.0	1556.0	3.0	2442.0	2.0
2353.5	35.5	1792.0	6.0	2445.0	1.0
2423.4	26.1	1930.0	13.0	2487.0	3.0
2443.6	36.7	1942.0	8.0	2507.0	3.0
2471.4	27.7	1955.0	2.0	2551.0	3.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
2621.0	3.0	1894.1	38.5	2491.1	16.9
2628.0	1.0	1899.6	23.5	2494.1	35.4
2689.0	44.0	1903.0	41.7	2509.0	23.4
2746.0	9.0	1904.0	51.8	2519.4	37.0
2782.0	1.0	1909.2	18.9	2520.1	48.6
2802.0	43.0	1915.0	41.1	2522.6	18.6
2871.0	2.0	1915.0	33.0	2590.8	28.7
2928.0	1.0	1922.3	64.2	2750.4	28.3
3114.0	3.0	1927.3	56.5	3057.6	54.7
109.9	3.1	1935.8	35.4	3359.0	30.5
113.0	3.7	1936.5	39.7	564.5	16.1
115.7	2.7	1937.0	17.9	646.1	10.5
118.6	2.3	1948.1	24.7	681.4	6.1
119.3	1.2	1959.2	27.8	682.9	13.9
886.0	22.4	1960.7	55.0	761.4	10.0
1748.1	60.3	1969.3	38.2	782.7	19.0
1827.9	43.2	1974.7	19.2	788.8	8.6
1842.7	30.2	1974.8	23.7	835.9	41.9
1843.8	36.9	1977.5	43.1	870.5	10.3
1851.3	51.2	2005.1	33.6	907.9	20.9
1854.6	37.4	2010.5	37.8	915.1	12.4
1855.1	28.2	2043.7	54.3	1501.0	19.0
1862.0	41.5	2057.2	43.6	1829.0	3.0
1862.8	45.1	2076.9	46.0	1831.0	2.0
1866.6	29.6	2108.6	44.0	1837.0	2.0
1868.9	55.9	2121.1	76.8	1845.0	2.0
1869.3	46.0	2123.4	29.3	1852.0	3.0
1871.3	41.5	2123.9	60.8	1862.0	3.0
1873.0	47.1	2134.1	56.0	1911.0	1.0
1873.5	31.7	2135.8	25.0	1920.0	2.0
1874.4	59.2	2171.2	41.5	1924.0	8.0
1875.6	45.3	2179.3	35.5	1939.0	5.0
1877.9	27.0	2203.2	45.1	1940.0	3.0
1879.4	29.4	2227.5	56.3	1941.0	2.0
1880.4	51.7	2288.6	39.2	1944.0	2.0
1880.9	32.4	2380.2	48.4	1944.0	3.0
1881.2	46.1	2397.6	17.3	1944.0	2.0
1881.6	34.4	2398.8	31.1	1946.0	2.0
1882.5	30.3	2407.3	27.9	1950.0	2.0
1885.5	39.8	2414.7	34.0	1950.0	4.0
1887.7	43.4	2419.7	41.2	1955.0	2.0
1892.9	32.9	2420.1	67.2	1957.0	2.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1963.0	2.0	2558.0	1.0	468.1	25.2
1964.0	3.0	2561.0	3.0	596.3	26.1
1965.0	4.0	2565.0	2.0	684.5	22.6
1966.0	3.0	2569.0	1.0	1481.0	4.0
1975.0	3.0	2569.0	1.0	1603.0	9.0
1979.0	5.0	2573.0	3.0	1726.0	5.0
2000.0	7.0	2576.0	2.0	1760.0	2.0
2001.0	4.0	2577.0	2.0	1764.0	2.0
2015.0	3.0	2596.0	3.0	1773.0	2.0
2024.0	3.0	2673.0	2.0	1813.0	3.0
2026.0	4.0	2697.0	2.0	1829.0	8.0
2043.0	5.0	2714.0	4.0	1841.0	2.0
2050.0	3.0	2719.0	3.0	1845.0	6.0
2075.0	10.0	2730.0	4.0	1846.0	18.0
2080.0	6.0	2896.0	7.0	1866.0	4.0
2109.0	2.0	2903.0	7.0	1877.0	2.0
2109.0	8.0	3004.0	2.0	1879.0	3.0
2125.0	1.0	3046.0	1.0	1881.0	4.0
2139.0	11.0	3101.0	6.0	1883.0	2.0
2152.0	9.0	3302.0	2.0	1886.0	2.0
2176.0	3.0	3753.0	1.0	1887.0	6.0
2178.0	4.0	120.0	2.0	1888.0	4.0
2237.0	15.0	118.0	2.0	1892.0	2.0
2321.0	15.0	1856.0	7.0	1896.0	3.0
2329.0	11.0	1861.0	6.0	1901.0	4.0
2334.0	3.0	1866.0	6.0	1902.0	3.0
2349.0	17.0	1959.0	9.0	1905.0	8.0
2356.0	2.0	2010.0	9.0	1906.0	3.0
2357.0	2.0	2470.0	6.0	1908.0	5.0
2369.0	5.0	2493.0	5.0	1915.0	2.0
2371.0	3.0	2540.0	6.0	1921.0	3.0
2390.0	3.0	2562.0	6.0	1925.0	4.0
2391.0	1.0	113.6	2.0	1928.0	9.0
2398.0	5.0	122.1	0.9	1934.0	3.0
2508.0	4.0	137.5	2.1	1935.0	5.0
2517.0	3.0	145.2	2.1	1937.0	7.0
2522.0	9.0	149.1	1.4	1941.0	5.0
2525.0	4.0	154.0	4.9	1949.0	6.0
2532.0	3.0	218.5	7.6	1953.0	6.0
2545.0	3.0	288.4	6.6	1972.0	4.0
2548.0	1.0	313.5	14.7	1984.0	2.0
2548.0	3.0	321.4	11.8	2002.0	3.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
2034.0	11.0	2318.0	18.0	2509.0	3.0
2045.0	6.0	2379.0	2.0	2521.0	5.0
2077.0	2.0	2398.0	2.0	2526.0	2.0
2130.0	7.0	2412.0	3.0	2544.0	3.0
2154.0	18.0	2439.0	2.0	2547.0	5.0
2154.0	4.0	2446.0	2.0	2555.0	1.0
2165.0	3.0	2454.0	3.0	2560.0	1.0
2204.0	4.0	2456.0	8.0	2614.0	2.0
2208.0	6.0	2462.0	2.0	2665.0	2.0
2233.0	4.0	2470.0	5.0	2977.0	3.0
2262.0	4.0	2480.0	5.0	3116.0	1.0
2286.0	2.0	2488.0	5.0	3131.0	1.0
2315.0	6.0	2507.0	3.0		

Table S1.e. Compiled zircon U-Pb ages of Lesser Himalaya

(from Gehrels et al., 2011)

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
Gehrels et al. (2011)		2251.3	3.3	2729.7	4.4
1798.0	56.4	2264.3	1.5	2779.5	2.1
1923.0	6.5	2270.5	2.5	2787.9	2.3
1938.5	3.0	2328.3	4.0	2792.7	2.5
1947.7	2.5	2356.6	2.1	2845.4	1.5
1950.8	5.8	2365.6	3.3	2845.7	1.3
1955.9	2.7	2368.2	2.7	2860.2	3.2
1977.2	5.9	2374.7	2.9	2942.7	2.2
1989.4	3.8	2395.5	1.6	3348.0	1.3
2005.8	4.4	2417.6	5.4	1882.0	22.0
2021.7	4.3	2523.6	2.4	1947.0	12.0
2035.9	2.8	2535.4	2.8	1966.0	10.0
2036.9	9.9	2543.0	1.2	2186.0	16.0
2038.8	2.4	2545.7	3.3	2238.0	7.0
2042.2	2.4	2548.1	2.1	2358.0	16.0
2045.8	4.2	2553.5	7.3	2398.0	7.0
2046.0	3.6	2555.1	2.7	2420.0	6.0
2080.3	6.5	2563.3	2.8	1877.0	9.8
2084.2	6.7	2568.9	2.3	1877.1	4.4
2102.0	6.2	2572.0	3.3	1888.0	3.5
2108.3	1.9	2573.4	2.4	1896.2	4.7
2116.5	2.9	2578.7	5.5	1896.5	3.2
2127.4	5.3	2579.3	7.2	1898.4	3.4
2136.6	2.3	2580.4	2.0	1903.7	3.3
2138.2	1.8	2581.4	1.9	1914.5	2.7
2141.6	3.5	2581.4	3.0	1915.4	2.3
2150.7	3.7	2590.3	2.3	1918.4	4.6
2151.0	5.8	2592.0	7.7	1918.9	3.2
2156.9	1.4	2596.4	5.6	1920.8	6.1
2166.8	4.2	2597.2	2.2	1923.2	2.3
2188.6	9.2	2601.7	1.3	1927.9	10.2
2208.1	19.3	2607.0	26.9	1929.3	2.4
2217.9	1.2	2618.6	10.4	1929.5	1.9
2222.0	4.8	2636.2	1.0	1931.0	7.2
2231.3	2.5	2688.7	2.0	1932.0	4.9
2233.4	5.6	2689.7	2.8	1932.1	3.8
2236.0	3.0	2693.2	1.7	1932.1	3.0
2250.8	2.9	2718.3	5.9	1932.7	48.4

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1939.4	4.8	2311.9	0.8	1916.1	11.9
1941.7	3.6	2348.7	6.7	1916.5	6.0
1944.5	4.5	2373.5	13.8	1917.4	8.6
1949.6	6.4	2392.3	3.7	1936.5	4.6
1955.0	24.1	2400.4	5.0	1938.2	4.8
1963.3	11.7	2432.1	10.5	1938.3	7.9
1968.9	2.1	2451.5	33.0	1940.1	7.1
1969.3	7.0	2467.0	4.6	1944.3	14.3
1971.3	4.0	2480.3	1.2	1949.9	8.4
1985.7	3.4	2493.7	5.9	1950.3	7.0
1985.9	10.3	2500.4	2.8	1951.6	6.3
1986.4	3.8	2503.9	5.6	1953.6	5.8
1993.6	2.4	2515.5	4.2	1953.6	5.1
2000.8	1.2	2533.9	2.6	1955.0	5.0
2005.0	5.3	2540.7	3.7	1955.0	10.4
2005.6	5.2	2543.5	1.2	1956.6	6.6
2005.7	8.2	2545.9	4.7	1957.2	4.5
2005.8	6.0	2550.6	4.1	1958.8	4.4
2008.8	2.8	2555.7	2.0	1959.9	8.8
2009.9	2.5	2556.3	2.9	1960.1	7.1
2015.7	3.1	2562.3	7.5	1961.3	4.0
2025.9	8.3	2573.4	1.8	1964.2	4.7
2027.9	5.6	2574.9	2.7	1970.1	4.1
2033.9	2.0	2629.3	3.5	1975.8	16.8
2049.8	2.8	2720.2	3.2	1977.0	6.1
2056.3	18.1	2722.7	3.5	1980.3	10.6
2062.1	1.9	2759.4	14.3	1981.3	3.5
2064.6	3.7	2763.5	3.1	1982.4	4.2
2074.0	8.6	2769.0	7.6	1986.7	11.4
2084.9	10.5	2954.8	2.3	1992.3	6.5
2099.6	5.4	2990.6	6.9	1996.6	9.0
2137.3	2.2	1936.0	7.0	2001.1	8.8
2192.7	6.4	1942.0	8.0	2004.2	7.6
2199.0	12.1	1948.0	5.0	2016.8	9.2
2217.4	4.9	2154.0	7.0	2019.5	9.1
2224.0	2.7	2314.0	5.0	2149.1	7.1
2225.6	1.3	1725.4	27.2	2263.2	18.6
2228.1	6.5	1858.5	8.1	2280.4	3.7
2235.3	2.8	1865.1	12.0	2427.2	2.2
2241.7	6.7	1894.0	18.1	2428.7	12.5
2296.9	2.1	1904.2	5.4	2552.2	3.5
2304.8	1.9	1914.3	4.4	2568.6	9.1

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
2593.3	4.2	1874.3	2.3	1901.5	22.8
2663.5	3.9	1875.5	2.2	1902.6	2.9
2671.3	2.7	1875.7	2.7	1940.1	4.9
2687.2	5.8	1876.4	4.7	2018.1	7.3
2690.2	8.6	1876.4	3.7	2086.9	3.4
2779.4	2.6	1876.7	6.3	2103.1	3.4
2925.1	1.9	1876.8	8.3	2153.7	3.1
1834.0	6.0	1878.3	3.5	2159.2	4.1
1841.0	11.0	1879.3	1.5	2175.7	14.5
1843.0	10.0	1879.3	3.0	2277.4	5.9
1846.0	7.0	1879.8	5.1	2313.5	2.5
1847.0	8.0	1880.1	4.1	2332.7	5.7
1859.0	6.0	1880.5	1.9	2354.9	10.1
1861.0	6.0	1880.9	3.0	2399.6	2.4
1866.0	9.0	1881.0	2.5	2405.8	1.9
2454.0	6.0	1881.2	5.3	2422.8	1.8
1661.0	23.2	1881.3	2.6	2435.1	5.0
1804.4	6.8	1882.0	5.0	2468.3	6.4
1843.8	4.6	1882.0	4.8	2485.9	2.8
1846.8	3.7	1882.6	2.2	2493.5	5.0
1847.1	3.7	1883.0	3.8	2537.4	3.7
1849.5	6.9	1883.0	3.3	2680.0	1.2
1851.8	2.0	1883.0	4.3	2693.0	3.0
1855.1	9.0	1883.2	4.1	2719.5	2.4
1855.9	2.4	1884.0	7.5	2728.1	1.0
1856.1	4.4	1884.1	4.5	3352.0	2.9
1858.4	2.1	1885.5	1.5	1842.0	8.0
1860.9	3.5	1888.0	2.4	1847.0	6.0
1864.7	4.5	1888.3	7.6	1866.0	9.0
1865.3	3.5	1888.3	2.4	1860.0	5.0
1866.0	2.5	1890.2	3.3	1862.0	7.0
1866.1	6.4	1891.0	3.1	1862.0	5.0
1867.6	1.1	1891.0	6.1	1865.0	6.0
1868.1	7.0	1891.9	5.1	1869.0	5.0
1868.3	4.6	1892.1	2.0	1869.0	9.0
1868.4	3.9	1892.4	8.3	1870.0	8.0
1868.4	8.6	1892.8	4.3	1458.3	15.7
1869.2	7.5	1895.9	8.2	1473.8	25.4
1870.8	9.0	1898.4	6.8	1481.1	6.3
1871.9	1.7	1899.5	5.8	1484.8	14.6
1872.3	6.7	1900.2	4.3	1533.5	25.9
1873.1	5.3	1901.4	14.2	1578.1	14.7

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1594.8	6.7	1684.0	19.0	1823.6	5.3
1598.7	5.9	1699.0	18.0	1837.0	11.4
1605.3	11.2	1892.0	14.0	1844.9	11.8
1644.6	8.6	1988.0	15.0	1848.0	4.3
1647.8	7.9	2046.0	9.0	601.5	11.6
1652.8	5.4	1848.6	31.6	1857.6	5.4
1656.9	15.9	1858.3	13.8	1895.7	4.8
1659.5	14.9	1866.8	10.4	1910.3	4.0
1690.0	13.3	1869.2	3.1	1916.4	5.6
1698.9	4.7	1886.6	26.8	1925.2	4.5
1702.3	9.8	1886.7	5.2	1926.6	4.8
1711.9	4.8	1914.3	11.8	1928.4	6.8
1713.4	2.9	1935.5	1.9	1933.1	4.1
1715.6	5.3	1949.9	7.0	1947.3	4.8
1739.0	6.0	1950.6	7.6	1949.1	4.6
1747.6	8.5	1965.7	9.5	1967.6	4.0
1748.0	5.7	1966.7	14.1	1979.6	4.8
1749.4	7.0	1976.0	28.4	2003.8	8.9
1754.5	6.9	2035.5	3.1	2018.4	6.3
1756.4	6.0	2051.0	13.9	2021.6	25.2
1757.2	7.3	2099.9	10.2	2084.6	9.2
1758.7	6.4	2471.6	4.5	2149.1	8.0
1764.9	11.6	2494.6	6.9	2234.3	3.8
1766.7	5.8	2533.9	5.7	2286.8	8.0
1770.2	3.5	2564.5	8.2	2316.1	9.2
1771.2	6.5	2567.3	3.7	2367.9	2.8
1774.3	16.6	2568.7	5.0	2515.8	3.4
1781.4	6.5	2600.0	19.1	2540.2	4.8
1793.2	4.9	2621.0	5.7	2555.3	3.1
1797.7	14.6	2781.8	5.2	2556.0	6.6
1801.0	9.3	2849.9	2.6	2673.6	3.4
1806.8	5.5	1614.0	25.0	2752.7	10.0
1811.0	6.5	1715.0	9.0	2774.0	5.3
1834.1	4.8	1718.0	24.0	2900.6	1.6
1861.2	5.9	1834.0	15.0	3300.5	1.2
1887.4	7.5	1851.0	9.0	1604.0	11.0
2144.7	3.9	1858.0	8.0	1644.0	13.0
2443.5	9.5	1935.0	7.0	1726.0	14.0
2453.1	5.7	1961.0	8.0	1836.0	10.0
2520.0	3.7	2469.0	5.0	2106.0	12.0
1673.0	8.0	2476.0	5.0	2406.0	10.0
1682.0	30.0	1769.9	5.7	2434.0	7.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
2480.0	7.0	1904.2	29.3	3028.8	46.8
2501.0	11.0	1918.8	55.7	3030.0	65.5
2529.0	12.0	1973.4	17.8	3037.6	16.0
1757.8	33.6	2002.8	25.0	3039.2	24.8
1769.6	18.3	2022.0	21.4	3045.5	24.0
1774.4	31.4	2035.1	18.2	3048.1	29.0
1776.5	29.6	2068.3	22.9	3050.9	16.0
1777.3	18.3	2158.7	29.0	3057.1	29.8
1777.7	33.5	2171.7	18.6	3082.9	41.0
1778.1	35.2	2224.4	27.9	3102.5	19.6
1780.2	22.6	2239.9	37.5	3105.4	15.9
1786.6	21.9	2272.7	41.9	3105.6	24.2
1787.2	18.2	2305.1	17.5	3116.8	15.9
1787.3	22.1	2380.0	17.0	3143.7	17.8
1788.8	27.6	2395.9	27.9	3144.9	34.5
1789.7	19.9	2410.7	26.3	3154.0	24.9
1792.9	24.0	2503.8	25.7	3180.7	27.1
1793.5	21.3	2525.9	70.0	3199.8	15.8
1798.2	33.5	2555.1	24.6	3352.3	23.9
1798.5	26.3	2558.3	25.4	Kohn et al. (2010)	
1798.7	22.6	2558.6	54.8	1795.0	11.0
1802.2	18.2	2560.6	18.9	1794.0	11.0
1802.7	19.8	2563.3	44.2	1788.0	11.0
1802.9	24.9	2574.5	33.1	1806.0	11.0
1804.2	18.3	2606.8	33.8	1796.0	6.0
1805.9	23.1	2622.4	19.3	1801.0	7.0
1806.1	26.4	2656.6	33.9	1797.0	6.0
1808.8	50.4	2659.8	54.4	1801.0	7.0
1809.3	34.7	2680.3	51.3	1797.0	7.0
1811.7	36.7	2742.6	27.8	1796.0	7.0
1817.1	44.9	2790.3	22.9	1799.0	6.0
1819.0	34.1	2917.2	19.8	1787.0	7.0
1822.0	35.8	2922.4	26.4	1793.0	9.0
1847.4	26.3	2946.0	16.2	1782.0	9.0
1871.3	18.0	2947.2	16.2	1791.0	9.0
1872.2	18.0	2966.8	18.5	1787.0	9.0
1874.5	19.7	2975.5	17.1	1800.0	9.0
1876.1	34.1	2986.9	18.4	1799.0	9.0
1892.1	70.7	3010.6	32.8	1780.0	9.0
1893.5	22.0	3016.6	18.8	1784.0	9.0
1901.0	41.2	3018.4	37.9	1787.0	9.0
1903.0	22.5	3025.1	29.0	Martin et al. (2005)	

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1514.0	41.0	1718.0	15.0	1848.4	42.0
1553.0	15.0	1719.0	14.0	1849.4	35.4
1563.0	14.0	1721.0	8.0	1853.1	38.3
1568.0	11.0	1722.0	19.0	1863.0	36.1
1569.0	15.0	1731.0	14.0	1865.1	41.0
1576.0	15.0	1732.0	9.0	1868.9	36.3
1594.0	34.0	1732.0	14.0	1870.2	22.7
1605.0	22.0	1733.0	17.0	1870.7	19.1
1622.0	11.0	1736.0	14.0	1871.3	34.1
1622.0	40.0	1767.0	16.0	1871.5	31.4
1623.0	14.0	1768.0	15.0	1873.0	22.0
1625.0	33.0	1778.0	13.0	1873.1	33.4
1625.0	14.0	1787.0	24.0	1875.9	49.8
1632.0	15.0	1787.0	12.0	1876.6	34.1
1634.0	23.0	1790.0	20.0	1881.3	19.5
1638.0	12.0	1794.0	12.0	1881.5	27.7
1639.0	8.0	1809.0	35.0	1883.0	22.9
1642.0	15.0	1809.0	13.0	1885.2	44.3
1646.0	10.0	1813.0	8.0	1885.9	23.6
1655.0	12.0	1825.0	11.0	1889.1	47.6
1661.0	9.0	1833.0	21.0	1890.6	48.6
1669.0	32.0	1861.0	18.0	1891.8	21.8
1671.0	9.0	1883.0	14.0	1896.8	37.1
1673.0	16.0	1937.0	11.0	1899.4	27.5
1675.0	10.0	1946.0	15.0	1900.8	37.6
1677.0	7.0	1960.0	15.0	1902.8	23.9
1683.0	9.0	2012.0	16.0	1902.9	23.5
1685.0	14.0	2220.0	15.0	1903.6	23.9
1687.0	21.0	2461.0	14.0	1907.7	25.9
1689.0	25.0	2525.0	13.0	1908.7	27.8
1692.0	12.0	2532.0	14.0	1913.6	49.0
1694.0	11.0	Martin et al. (2011)		1930.3	24.0
1694.0	18.0	1770.2	34.2	1931.0	25.5
1695.0	7.0	1777.5	27.7	1932.2	35.1
1699.0	10.0	1780.6	47.2	1952.4	24.9
1700.0	13.0	1795.7	54.4	1952.4	30.5
1707.0	54.0	1801.1	57.5	1953.1	51.6
1709.0	12.0	1811.3	42.7	1954.0	26.6
1710.0	13.0	1841.6	55.3	1960.3	35.7
1710.0	14.0	1844.7	20.9	1963.2	19.5
1712.0	16.0	1846.5	26.4	1964.3	17.1
1718.0	14.0	1847.6	18.7	1972.9	31.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1984.3	34.7	2441.0	74.6	2584.0	23.0
1989.9	26.4	2450.2	37.7	2586.8	17.4
2006.6	44.1	2451.3	26.9	2595.7	52.4
2053.3	39.6	2460.9	19.6	2602.2	27.7
2057.6	34.2	2463.3	47.0	2620.0	24.1
2068.8	16.6	2464.1	35.3	2635.5	22.6
2070.2	16.6	2465.5	36.7	2673.6	47.9
2071.7	18.6	2466.3	36.3	2682.3	17.4
2072.2	61.3	2471.0	20.8	2682.7	48.5
2083.5	32.8	2477.4	44.6	2700.0	31.4
2087.2	29.6	2481.8	30.4	2700.6	77.5
2100.5	25.3	2482.3	54.9	2702.7	40.8
2123.7	31.5	2482.5	33.6	2715.7	29.7
2127.9	25.2	2485.6	45.4	2717.1	19.1
2150.6	36.0	2485.8	33.2	2728.8	32.1
2151.4	43.5	2493.0	37.4	2731.9	22.1
2167.6	18.0	2496.6	38.4	2746.9	28.4
2168.7	16.6	2498.7	26.6	2751.7	27.8
2168.8	74.3	2505.1	23.4	2756.5	24.0
2170.2	26.7	2506.6	25.2	2758.6	27.4
2176.5	64.1	2506.8	31.6	2787.4	27.5
2187.9	32.5	2507.9	33.2	2789.5	19.7
2189.2	22.4	2510.4	36.0	2790.4	48.8
2197.6	27.1	2514.7	18.8	2831.5	28.9
2206.8	18.6	2520.7	33.4	3011.4	32.3
2242.4	33.4	2521.8	24.4	3120.9	19.8
2251.9	58.7	2521.9	22.5	1758.4	57.8
2255.1	33.7	2527.1	33.6	1781.4	33.6
2287.8	37.6	2531.2	28.7	1793.0	20.2
2307.0	29.5	2537.1	39.1	1799.4	17.3
2341.1	16.1	2542.3	18.8	1800.7	24.6
2341.7	24.1	2544.0	34.0	1804.2	20.9
2351.6	20.2	2546.9	32.2	1806.2	30.4
2368.6	24.2	2549.7	17.8	1806.8	36.1
2377.0	22.6	2549.9	28.3	1807.4	33.1
2380.9	22.8	2551.1	29.7	1813.1	21.3
2381.3	24.4	2551.3	43.9	1817.9	24.3
2397.1	20.6	2557.8	26.3	1823.5	70.8
2398.2	40.5	2559.0	25.1	1825.8	29.9
2414.4	26.7	2565.1	38.8	1827.6	47.7
2423.9	23.1	2574.3	46.0	1830.5	45.1
2438.5	33.9	2580.3	31.6	1847.7	31.3

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1849.2	79.3	1890.7	35.3	1942.1	39.2
1849.2	30.9	1890.8	41.0	1950.2	20.6
1852.7	21.2	1890.9	48.1	1950.4	19.5
1857.5	28.0	1892.0	60.5	1950.6	12.2
1858.7	39.0	1892.3	11.2	1953.5	75.4
1859.0	31.6	1892.6	41.4	1958.9	45.2
1859.1	41.2	1893.0	28.1	1960.4	49.1
1859.2	30.1	1894.2	68.7	1961.0	30.9
1859.6	26.6	1894.8	19.3	1963.4	25.4
1862.5	14.5	1895.7	33.5	1965.5	35.0
1862.8	38.3	1896.5	27.3	1966.7	33.9
1863.3	44.6	1898.0	40.1	1968.9	63.5
1864.9	22.6	1899.8	40.1	1970.9	27.6
1866.7	23.3	1900.0	31.5	1981.2	47.5
1866.9	39.7	1901.1	34.9	1991.9	40.5
1867.2	45.5	1901.8	44.2	1992.3	33.8
1867.2	30.3	1902.2	30.4	1993.1	25.1
1867.7	53.1	1902.9	26.8	1999.4	43.5
1868.9	18.8	1903.0	64.0	2022.2	43.2
1869.6	32.1	1903.7	38.5	2022.5	54.2
1870.7	25.3	1903.9	15.5	2023.8	20.9
1870.8	13.9	1904.1	27.1	2031.6	28.5
1871.9	41.3	1904.8	19.8	2044.5	12.1
1873.4	23.6	1906.5	44.7	2047.1	33.4
1878.0	90.5	1906.8	33.6	2056.1	63.2
1880.0	40.4	1907.2	44.4	2070.3	26.1
1882.5	28.3	1908.7	39.5	2072.9	40.5
1882.7	34.2	1914.1	62.3	2078.5	24.7
1884.2	22.2	1915.4	25.3	2096.1	10.7
1884.4	40.5	1915.6	18.5	2117.2	24.5
1886.4	34.9	1920.1	27.3	2141.4	60.4
1886.4	19.5	1920.6	45.2	2146.0	19.1
1886.9	43.2	1922.2	18.8	2164.0	53.7
1887.2	27.0	1923.1	34.8	2179.6	76.8
1887.4	19.8	1925.9	45.5	2185.9	74.3
1888.5	26.3	1926.0	52.3	2192.3	44.0
1888.7	35.3	1929.2	51.6	2193.7	28.7
1888.9	31.7	1931.5	29.0	2198.3	40.1
1888.9	30.6	1934.4	53.5	2214.0	14.6
1889.0	32.6	1936.2	15.8	2220.7	42.6
1889.0	43.0	1937.7	32.8	2230.6	17.8
1889.4	57.8	1939.8	18.1	2251.4	29.9

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
2256.6	64.4	1750.8	26.7	1812.8	25.3
2278.9	13.6	1753.1	29.8	1814.1	21.4
2348.1	60.4	1756.6	23.1	1814.9	28.0
2353.6	38.4	1761.5	24.7	1816.0	21.5
2377.8	33.8	1763.9	18.3	1819.8	21.1
2404.8	16.7	1769.7	21.9	1823.2	27.1
2419.1	28.0	1769.8	27.9	1823.5	39.9
2421.5	57.4	1771.5	23.6	1832.7	34.1
2453.6	22.7	1771.6	18.6	1834.5	29.7
2453.7	15.4	1777.5	33.3	1835.7	49.3
2469.0	22.3	1779.6	32.7	1837.3	41.7
2478.0	37.0	1780.4	22.3	1838.2	30.4
2482.8	50.3	1781.0	25.0	1842.1	28.8
2489.1	56.8	1782.6	18.2	1842.5	40.5
2497.4	23.7	1785.4	24.8	1850.1	35.3
2501.8	53.4	1786.0	21.9	1857.0	35.2
2506.8	73.7	1786.0	44.5	1863.5	25.4
2517.4	33.8	1786.2	21.7	1870.4	19.3
2523.7	32.1	1786.8	32.0	1873.7	28.8
2526.8	29.0	1788.6	38.1	1878.7	24.0
2528.1	31.9	1789.8	26.4	1885.1	18.0
2529.5	26.7	1789.9	23.6	1885.8	18.0
2536.8	33.4	1790.2	36.6	1887.8	20.9
2537.6	27.9	1790.9	19.2	1888.0	18.0
2543.3	51.3	1792.2	18.2	1890.7	18.1
2547.5	40.4	1792.8	18.2	1891.1	18.0
2559.5	42.0	1793.9	22.9	1894.8	25.0
2570.7	18.2	1794.1	18.3	1904.7	18.0
2579.3	52.8	1794.3	28.9	1905.8	18.0
2584.4	14.5	1795.3	18.4	1909.9	32.1
2595.4	32.9	1804.7	21.5	1914.6	23.9
2599.8	30.0	1804.9	18.2	1926.3	17.9
2613.2	42.5	1805.6	26.7	1928.1	17.9
2655.5	40.6	1808.7	28.4	1933.3	21.7
2738.7	18.3	1809.3	18.2	1939.0	30.5
2744.0	12.3	1810.1	18.2	1952.4	26.5
2761.6	22.0	1810.6	29.6	1980.5	25.3
2845.0	25.6	1810.8	18.2	1985.9	17.8
2853.4	35.8	1811.3	25.1	2008.6	35.3
3511.4	29.0	1811.5	29.7	2037.4	28.3
1735.2	18.6	1811.5	29.3	2078.3	18.3
1747.9	20.1	1812.0	18.2	2124.9	23.0

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
2129.4	26.1	1868.8	20.1	1906.8	18.0
2180.1	17.5	1870.2	18.1	1906.9	18.0
2215.8	39.2	1871.0	27.3	1907.0	31.4
2217.9	21.7	1871.8	27.4	1907.5	18.0
2250.3	21.8	1874.6	18.0	1908.2	31.2
2270.3	25.2	1875.9	39.8	1908.2	28.4
2348.0	22.2	1876.9	18.0	1908.2	21.8
2410.8	23.4	1878.9	24.0	1910.0	21.7
2442.3	26.8	1879.2	22.2	1910.0	20.9
2492.2	23.4	1879.4	18.0	1910.6	18.0
2493.8	27.1	1880.6	18.0	1911.3	18.0
2503.5	18.3	1881.1	21.6	1911.8	27.8
2503.6	26.1	1881.9	27.7	1912.1	17.9
2504.2	54.0	1882.1	18.0	1912.9	28.9
2514.0	22.7	1883.5	18.0	1913.8	18.0
2522.4	16.8	1883.9	27.2	1914.1	29.8
2537.5	28.7	1884.4	18.0	1914.2	29.6
2543.6	27.0	1885.5	29.6	1917.1	17.9
2546.7	28.7	1886.6	22.5	1918.2	21.0
2548.6	23.8	1887.2	25.7	1920.2	17.9
2550.5	37.5	1889.7	20.7	1920.5	22.1
2565.3	26.8	1889.9	31.3	1921.6	18.0
2595.7	16.7	1889.9	22.4	1922.9	17.9
2598.3	16.7	1890.2	56.0	1925.2	22.9
2657.2	16.6	1890.3	30.1	1927.0	30.1
2683.3	22.2	1890.3	18.0	1928.6	18.0
2745.2	17.8	1891.1	19.8	1928.8	18.7
2786.8	39.3	1891.8	18.0	1930.5	31.9
2788.8	45.4	1892.4	27.0	1939.5	26.0
2852.1	41.9	1893.2	18.0	1939.9	22.4
2857.7	65.0	1894.4	18.0	1952.3	18.2
2895.8	61.8	1895.7	29.9	1960.3	31.8
2943.9	16.5	1895.9	21.0	1963.0	21.4
2989.3	35.4	1897.5	34.7	1968.3	17.8
3087.9	46.9	1898.7	19.4	1971.6	21.2
3091.8	16.0	1899.5	18.0	1979.7	46.5
3163.1	44.6	1899.8	19.8	1980.4	17.8
3245.6	18.6	1901.4	18.0	1992.8	21.5
1838.7	24.3	1902.3	18.0	1998.0	23.8
1849.4	29.3	1904.2	18.0	2004.1	20.0
1867.1	18.1	1904.3	18.0	2011.2	23.8
1867.5	39.0	1904.4	18.0	2020.7	35.1

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
2022.7	24.6	2572.4	19.4	1898.8	39.6
2040.4	17.7	2579.3	17.9	1899.8	18.0
2048.1	26.2	2772.6	56.0	1899.8	27.2
2052.2	17.8	2949.2	31.8	1900.0	26.3
2053.8	26.9	3318.9	18.8	1900.1	25.2
2057.5	23.5	1776.7	18.3	1900.9	23.6
2079.5	37.2	1791.0	18.2	1901.0	18.0
2088.4	21.8	1794.8	18.5	1901.5	18.0
2090.4	30.4	1798.5	18.2	1902.2	18.0
2091.8	17.6	1801.7	18.2	1902.5	27.5
2156.1	31.9	1805.1	18.2	1902.6	21.9
2178.7	17.4	1805.6	18.2	1903.4	18.0
2185.3	65.4	1809.9	26.4	1904.9	18.0
2191.8	17.5	1813.6	23.3	1905.4	18.3
2199.2	30.4	1816.4	18.2	1905.6	18.0
2202.7	20.7	1821.9	28.7	1906.9	18.0
2205.2	17.4	1826.3	39.2	1907.0	18.0
2209.1	26.9	1826.6	27.6	1907.4	18.0
2252.5	56.0	1826.6	47.9	1907.8	18.5
2257.9	20.5	1833.1	21.8	1907.9	18.3
2271.7	31.9	1833.1	22.3	1908.0	21.9
2292.8	41.6	1842.4	18.1	1908.4	32.4
2295.3	35.9	1847.9	25.6	1908.8	20.1
2301.1	17.2	1853.7	23.9	1910.4	19.0
2384.4	17.0	1854.2	18.1	1910.5	18.0
2441.7	16.9	1856.4	47.5	1910.6	20.3
2452.8	26.1	1864.4	21.7	1910.9	18.0
2453.1	31.8	1867.7	24.5	1911.6	18.0
2485.9	16.9	1872.7	21.3	1911.9	27.9
2496.2	16.8	1873.9	18.0	1912.5	18.0
2496.9	16.8	1875.2	31.7	1913.5	18.2
2504.1	24.2	1875.9	22.4	1913.7	17.9
2507.4	16.8	1881.3	32.3	1913.7	24.4
2508.2	20.9	1884.7	22.7	1914.4	30.0
2508.4	19.3	1886.2	18.0	1914.4	21.7
2509.2	33.3	1891.9	28.1	1914.9	32.1
2517.9	35.6	1892.4	22.7	1915.0	17.9
2518.7	16.8	1893.6	20.4	1915.3	19.4
2518.8	20.2	1893.7	18.0	1915.5	17.9
2527.2	16.8	1895.9	22.7	1916.4	21.6
2536.6	42.3	1896.5	28.4	1916.8	25.9
2550.1	36.2	1898.4	18.0	1917.8	18.9

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1918.4	17.9	2109.5	24.6	2562.8	16.7
1919.0	18.8	2124.3	45.7	2563.8	21.9
1919.2	17.9	2126.8	39.6	2569.0	18.6
1919.8	35.7	2129.2	34.5	2574.5	26.7
1919.9	26.4	2134.9	31.7	2576.5	19.4
1920.0	17.9	2165.5	26.7	2577.0	16.7
1920.1	23.7	2185.0	47.7	2577.9	26.7
1920.4	18.0	2204.1	34.1	2586.6	16.7
1920.7	29.6	2209.3	37.5	2589.2	41.6
1921.5	26.9	2219.4	19.3	2599.8	19.5
1922.4	17.9	2230.2	26.5	2601.6	22.5
1922.7	21.5	2245.2	22.3	2601.8	18.0
1923.6	33.3	2247.9	21.1	2669.3	16.6
1924.0	20.6	2257.2	50.8	2718.5	21.4
1926.8	21.1	2286.1	41.3	2718.8	16.5
1927.4	38.5	2313.2	21.8	2721.9	24.9
1927.7	17.9	2333.6	17.1	2945.9	24.4
1930.8	21.7	2338.0	17.1	3293.8	15.7
1931.1	23.6	2342.3	20.2	3389.2	17.0
1931.7	19.3	2357.2	17.1	1749.8	33.6
1934.3	21.5	2373.1	18.3	1762.7	22.7
1934.3	21.9	2376.5	56.8	1764.7	29.6
1934.9	18.0	2387.8	17.0	1767.0	18.3
1935.9	21.0	2390.6	17.0	1769.5	31.5
1937.3	29.0	2409.5	25.5	1770.2	24.1
1937.7	21.3	2464.6	17.0	1773.2	35.2
1938.6	17.9	2487.5	32.7	1773.6	18.3
1943.0	17.9	2497.4	38.7	1776.1	33.5
1945.4	40.1	2498.6	30.6	1778.8	27.6
1956.2	33.6	2503.3	16.8	1780.3	25.0
1965.9	17.8	2503.3	19.0	1783.5	26.4
1972.6	27.5	2518.8	20.0	1783.5	21.9
1981.7	18.9	2522.1	34.6	1786.4	19.9
1988.6	17.8	2523.4	41.7	1787.2	18.2
1996.2	51.3	2523.8	23.2	1787.3	22.1
2003.1	17.8	2524.8	23.5	1788.0	33.5
2011.1	17.9	2529.1	17.3	1788.2	22.6
2027.8	20.4	2534.7	23.5	1788.5	21.3
2030.7	17.7	2538.4	31.7	1790.5	18.2
2048.5	29.2	2541.7	16.8	1793.6	18.3
2059.7	17.7	2554.2	21.8	1795.5	50.4
2083.4	24.3	2558.9	20.6	1804.3	34.7

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
1805.9	23.1	2906.8	26.4	1883.0	30.6
1808.0	36.7	2946.0	16.2	1884.3	48.5
1810.3	35.9	2947.2	16.2	1887.2	37.1
1814.1	34.2	2955.5	17.1	1899.3	50.7
1817.1	44.9	2962.5	18.5	1901.0	42.1
1837.5	26.3	2997.5	32.8	1901.3	28.2
1856.8	19.7	3005.1	29.1	1904.9	18.9
1866.0	34.1	3006.3	18.8	1905.9	35.7
1867.4	18.0	3007.8	46.9	1907.9	21.5
1877.0	22.0	3011.1	65.6	1911.6	42.9
1892.4	70.7	3015.2	37.9	1915.7	17.9
1892.5	22.5	3022.0	24.9	1917.1	40.9
1899.9	41.2	3036.2	16.0	1922.7	36.8
1904.2	29.3	3041.1	24.0	1927.5	38.3
1969.3	17.8	3047.2	29.0	1933.4	38.9
2001.3	25.0	3047.7	29.8	1934.6	43.7
2022.0	21.4	3050.9	16.0	1936.2	32.0
2035.1	18.2	3070.0	41.1	1940.4	55.8
2046.1	23.0	3101.1	15.9	1941.4	31.8
2137.0	29.0	3102.5	19.6	1947.0	32.0
2168.3	18.7	3103.4	24.2	1948.6	88.7
2219.7	27.9	3114.6	15.9	1952.8	36.4
2230.3	37.6	3123.9	17.8	1955.2	33.8
2258.7	41.9	3144.9	34.5	1955.9	25.2
2296.7	17.6	3180.7	27.1	1959.7	23.0
2375.4	17.1	3184.6	15.8	1971.3	49.0
2388.8	27.9	3352.3	23.9	1971.5	62.6
2401.2	26.4	McQuarrie et al. (2008)		1973.1	52.2
2491.5	25.8	1811.6	25.4	1976.2	30.1
2523.5	70.1	1821.7	71.0	1977.2	28.5
2537.8	54.9	1823.7	67.9	1978.7	24.2
2545.9	24.6	1825.1	45.5	1978.9	52.7
2560.6	18.9	1832.7	45.7	1981.0	45.2
2573.6	33.1	1841.0	21.4	1984.5	31.9
2607.1	33.8	1843.1	40.2	1991.6	31.7
2622.4	19.3	1844.6	63.9	2000.9	27.2
2647.0	33.9	1855.5	44.5	2003.7	102.5
2647.7	54.4	1860.1	38.5	2007.4	41.5
2677.0	51.3	1862.2	37.2	2007.5	39.2
2738.1	27.8	1863.8	39.0	2012.3	35.1
2781.3	22.9	1878.1	45.4	2024.6	33.7
2904.1	19.8	1878.4	30.5	2028.4	43.7

Age (Ma)	Error (1s)	Age (Ma)	Error (1s)	Age (Ma)	Error (1s)
2042.9	31.1	2312.8	29.9	2551.7	16.8
2047.7	26.3	2313.2	42.6	2558.4	64.1
2047.7	48.2	2354.3	30.9	2574.6	45.5
2048.4	57.4	2373.1	43.8	2593.7	66.9
2052.8	48.4	2384.1	87.3	2611.1	22.5
2089.4	44.8	2433.6	43.6	2642.6	26.1
2089.9	34.8	2478.1	27.2	2685.8	31.6
2099.4	52.9	2499.2	44.6	2689.2	43.6
2153.1	19.4	2501.0	31.5	2689.2	39.3
2157.4	33.0	2503.8	16.8	2701.5	19.1
2162.7	34.0	2508.6	54.0	2702.9	20.3
2183.3	72.2	2513.9	36.7	2716.0	32.0
2184.1	42.3	2516.0	50.8	2748.0	43.8
2268.2	38.3	2524.7	71.2	2773.9	49.5
2269.5	31.7	2527.8	21.3	3268.7	36.6

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