

Table A.1. Summary of geological events that occurred at the Acasta gneiss complex

Episode #	Age (Ga)	Geological event
1	4200	Crystallization of inherited zircon core
2	4020-4000	Formation of the oldest diorites and tonalites (Idiwhaa unit)
3	3960-3920	Tonalite formation
4	~3800	Inherited and/or metamorphic zircon age
5	3700-3750	Granitoid formation and metamorphism
6	3600-3550	Anatexis and granitoid formation
7	3400-3350	Regional metamorphism and granitoid formation
8	3150-3100	Regional metamorphism, garnet formation
9	2950-2900	Regional metamorphism, granitoid formation, garnet formation
10	2550-2600	Granite intrusion
11	1900-1800	Wopmay orogen
12	1800-...	Discrete metamorphic overprints

(a) Bowring et al. (1989); (b) Bowring and Housh (1995); (c) Hodges and Bowring (1995) (1997); (e) Moorbath et al. (1997); (f) Stern and Bleeker (1998); (g) Amelin et al. (1999); (1999); (i) Bowring and Williams (1999); (j) Sano et al. (1999); (k) Amelin et al. (2000); (Iizuka et al. (2007); (n) Iizuka et al. (2009); (o) Guitreau et al. (2012); (p) Ault et al., (2014); (r) Mojzsis et al. (2014); (s) Reimink et al. (2014); (t) Maneiro, 2016; (u) Reimink al. (2017); (w) Guitreau et al. (2018).

Titre: Understanding preservation of primary signatures in apatite by comparing matrix and zircon-hosted crystals from the Eoarchean Acasta Gneiss Complex (Canada)
 Antoine, C., Bruand, E., Guitreau, M., Devidal, J-L

References
<i>l</i>
<i>d, f, h, i, s, u, w</i>
<i>a, b, m, o, q, r, u, v, w</i>
<i>a, d, g, i, k, m, o, r</i>
<i>b, g, k, m, o, s, v, w</i>
<i>b, d, g, i, k, m, o, q, r, u, v</i>
<i>d, e, i, m, r, u, v, w</i>
<i>d, t</i>
<i>d, t, u, v</i>
<i>h</i>
<i>c, i, j</i>
<i>c, p, w</i>

); (d) Bleeker and Stern

(h) Bleeker and Davies

1) Iizuka et al. (2006); (m)

3); (q) Guitreau et al.

et al. (2016); (v) Bauer et