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<td>corestone</td>
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**Fig. 1**

- **2003-2004**
  - 06PR35
  - BRC-1,2,3

- **2006**
  - 06PR35
  - 06PR35 a, b

- **rindlets**
  - 06PR13
  - 06PR14
  - 06PR15
  - 06PR16
  - 06PR17
  - 06PR18
  - 06PR19
  - 06PR20
  - 06PR21
  - 06PR22
  - 06PR23
  - 06PR24
  - 06PR27
  - 06PR28
  - 06PR29

- **corestone**
Fig. 3

- **Cw Ca**: 0.00 to 4.00
- **Cw Mg**: 0.00 to 1.00
- **Cw Na**: 0.00 to 2.00
- **Cw K**: 0.00 to 0.40
- **Cw Si**: 0.00 to 20.00
- **Cw Mn**: 0.00 to 0.04
- **Cw Sr**: 0.00 to 100.00

- 2006 rindlets, this study
Fig. 4

Corestone:
- Buss et al., 2008
- White et al., 1998
- Turner et al., 2003
- Seiders, 1971
- Riebe et al., 2003
- Corestone of this study

Rindlets:
- 2006 Rindlets
- 2003-2004 Rindlets, Buss et al., 2008

Regolith:
- Lower saprolite
- Upper saprolite
- Soil

Corestone:
- Mafic
- Felsic
- Weathering
Fig. 5

- Soil
- Upper saprolite
- Lower saprolite
- 2006 rindlets
- Quartz diorite corestone

Graphs showing the concentration of various elements in different samples: CaO, MgO, Na₂O, K₂O, Fe₂O₃, Al₂O₃, TiO₂, LOI, and CWI.
Fig. 7
Fig. 8
Fig. 9

Range of the primary Minerals end-member

\[ \frac{^{87}\text{Sr}}{^{86}\text{Sr}} \]

- 10%
- 50%
- 100%

\[ \epsilon_{\text{Nd}} \]

- soil
- upper saprolite
- lower saprolite
- 2006 rindlets
- remnant 2003-2004 rindlets
- saprolite Pett-Ridge et al., 2009a
- Saharan dust, Pett-Ridge et al., 2009a

\[ R = 5.1 \]
\[ R = 1 \]
\[ R = 0.1 \]

Fig. 9
Lower saprolite
P constant without 232Th

Fig 10a
**Rindlets**

P constant without 232Th

---

**Fig 10b**

**Number of runs**

- 10 m/Ma
- 52 m/Ma

**Weathering rate in m/Ma**

---

**Graph 1**: 
- (230Th/238U)
- ~6.5ka, ~4.6ka
- RC-3, RC-4
- ~3.1ka
- RC-2
- ~7.7ka
- RC-5

**Graph 2**: 
- (226Ra/230Th)
- ~6.5ka, ~4.6ka
- RC-3, RC-4
- ~3.1ka
- RC-2
- ~7.7ka
- RC-5

---

RC-2
RC-5
3-8
RC-3, RC-4
3-8
RC-4, RC-3
RC-2