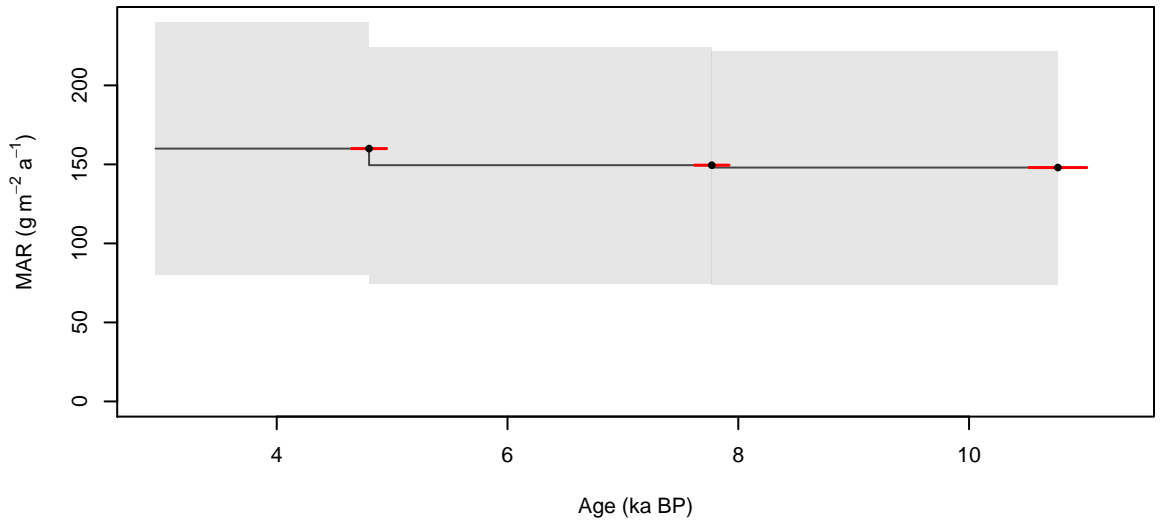
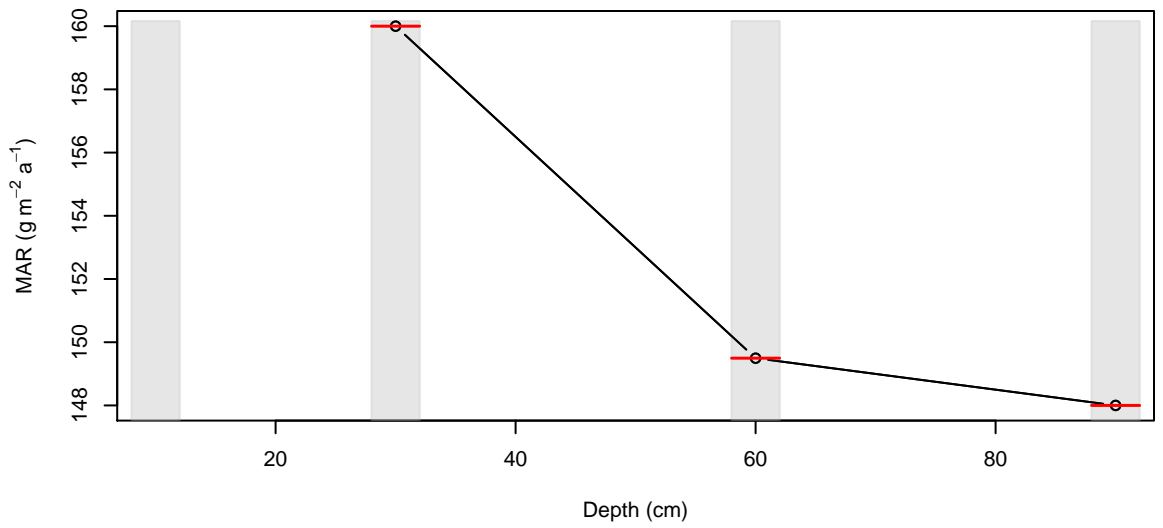


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Reference: Sun et al., 2012

Depth: OSL ages from depth interval few cm thick. Assuming that OSL depths are center, and the thickness of the sample used for analysis is 4 cm

Age: Ages are bottom ages for the sections. OSL smoothed ages (Sun et al., 2012)

SBMAR: LSR*DBD

SBMAR err: From LSR and DBD

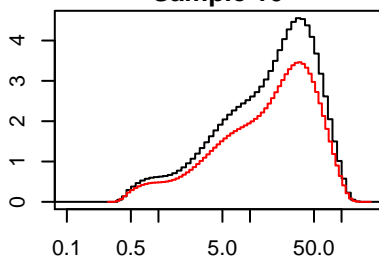
DBD: Assume 1.48 g/cm³ (Kohfeld and Harrison, 2003)

DBD err: Assume 15% (Kohfeld and Harrison, 2003)

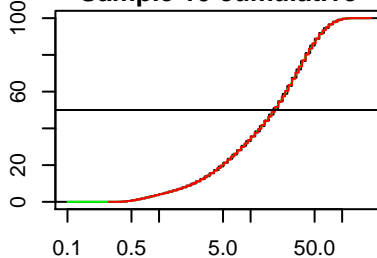
EC: Assume it is 1, organic content negligible (Derbyshire, 1982)

Size: Malvern 2000 laser counter after removal of organic matter and carbonate

Sample 10

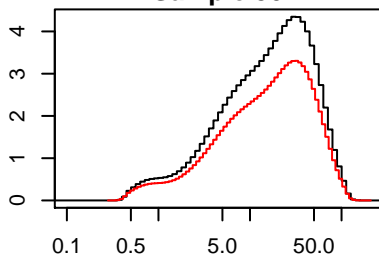


Sample 10 cumulative

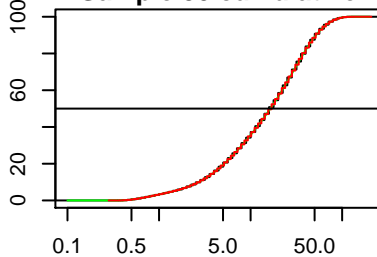


Sample statistics
 Mass conserved = 1
 Median(obs/new) = 18.91 / 17.71
 1%(obs/new) = 0.53 / 0.56
 5%(obs/new) = 1.19 / 1.24
 25%(obs/new) = 6.71 / 6.35
 75%(obs/new) = 37.74 / 35.05
 95%(obs/new) = 67.1 / 69.36
 99%(obs/new) = 94.79 / 97.56

Sample 30

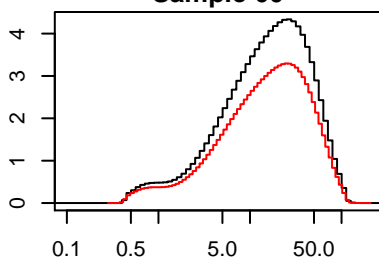


Sample 30 cumulative

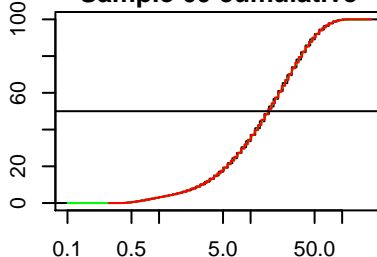


Sample statistics
 Mass conserved = 1
 Median(obs/new) = 16.86 / 16.26
 1%(obs/new) = 0.6 / 0.62
 5%(obs/new) = 1.5 / 1.47
 25%(obs/new) = 6.71 / 6.35
 75%(obs/new) = 33.63 / 32.19
 95%(obs/new) = 67.1 / 63.69
 99%(obs/new) = 94.79 / 89.58

Sample 60

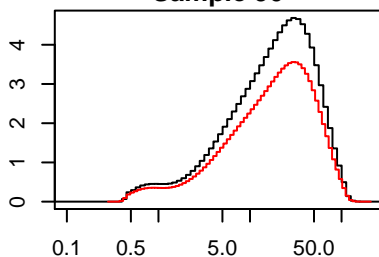


Sample 60 cumulative

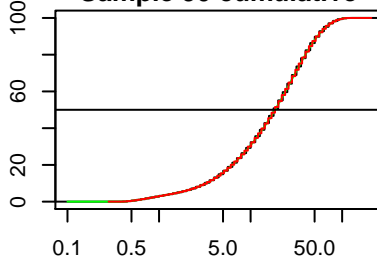


Sample statistics
 Mass conserved = 1
 Median(obs/new) = 15.02 / 16.26
 1%(obs/new) = 0.6 / 0.62
 5%(obs/new) = 1.5 / 1.61
 25%(obs/new) = 6.71 / 6.92
 75%(obs/new) = 29.97 / 32.19
 95%(obs/new) = 59.81 / 63.69
 99%(obs/new) = 84.48 / 89.58

Sample 90

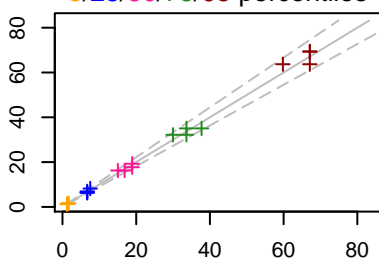


Sample 90 cumulative

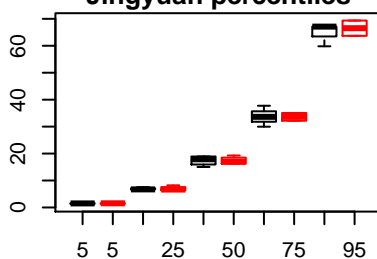


Sample statistics
 Mass conserved = 1
 Median(obs/new) = 18.91 / 19.29
 1%(obs/new) = 0.6 / 0.62
 5%(obs/new) = 1.69 / 1.61
 25%(obs/new) = 7.53 / 8.21
 75%(obs/new) = 33.63 / 35.05
 95%(obs/new) = 67.1 / 69.36
 99%(obs/new) = 94.79 / 89.58

5/25/50/75/95 percentiles



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Site statistics
 Percentiles Pearson's corr. = 0.577
 Mean normalized bias = 0.01