Geochemical correlations of Shu'aiba sections: Stop trusting the trends!

1. Vahrenkamp (1996, 2010): OAE1a starts “with the MFI” (Maximum Flooding Interval) “of the Shu’aiba Formation”

2. Lorenzen et al. (2012): OAE1a spans segments C4 to C6 of Menegatti et al.’r curve (1998), i.e., ~ the ammonite Hambrovi Subzone of the Bedoulian (“Lower Aptian”)

3. Busnardo & Granier (2012) publish a list of ammonites, all indicative of the Furcata Zone (and the succeeding Martini Zone) of the “Gargasian” (“Middle Aptian”)

4. Granier (2000, 2008) and Granier et al. (2003): repeatedly assigned Varhenkamp’s MFI of the Shu’aiba (and the Bab) to the “Gargasian” (“Middle Aptian”) on the basis of the finds of ammonites