

Figure F1. Schematic of steps in depth assignments to an IODP drill core and its samples and measurements in the case of Site U1588, where depth shifting and splicing was done at the core composite depth below seafloor, Method B (CCSF-B), depth scale. A. Cored interval or advancement at the driller's depth below seafloor (DSF) scale. B. Recovered core length (RL), typically expanded in soft sediments. C. Curated core length (CL) after curation, which typically deviates slightly from the RL. D. Core depth below seafloor, Method A (CSF-A), scale assigned to core samples and measurements based on section lengths and the offset in section (OIS). E. Virtually compressed core depth below seafloor, Method B (CSF-B), scale assigned to measurements using the core-specific factor F. F. Correlated core at the core composite depth below seafloor, Method B (CCSF-B), scale defined by the cumulative offset (CO). G. Splice interval selected from the core. To derive the sample identities from the CCSF-B depths, both reverse steps F to E (green arrows) and E to D (red arrows) must be applied before the correct CSF-A depths and OIS can be found.

Figure F2. Workbook sheets for Case 1a.

Figure F3. Workbook sheets for Case 1b.

Figure F4. Workbook sheets for Case 1c.

Figure F5. Workbook sheets for Case 2.

Figure F6. Workbook sheets for Case 3a.

Figure F7. Workbook sheets for Case 3b.

Figure F8. Workbook sheets for Case 3c.

Figure F9. Workbook sheets for Case 4.

Figure F10. Workbook sheets for Case 5a.

Figure F11. Workbook sheets for Case 5b.