

OxCal code for slip models 1 and 2 using uniform distributions for the IRSL dating results. The same routine was carried out using normal distributions for the IRSL dating results, but with negligible differences in the results. Results are shown in Figure 11 (upper and lower panel, respectively). Prior to this joint calculation, each sequence was calculated by its own; the results are presented in Figure 11, middle panel.

```
Plot()
{
Phase("slip model 1 (U)")
{
Sequence("SDF3_U")
{
Date("IRSL-93", U(2011-179000, 2011-137000,
10));
Date("IRSL-95", U(2011-139000, 2011-107000,
10));
Date("E6a");
Date("E5a");
Date("IRSL-96", U(2011-123060, 2011-99800,
10));
Date("IRSL-97", U(2011-78800, 2011-62800,
10));
Date("E4a");
Date("E2");
Date("IRSL-98", U(2011-37000, 2011-26800,
10));
Date("E1");
Date("IRSL-102", U(2011-5300, 2011-4300,
10));
Date("E0", AD(2011));
};
Sequence("SDF1_U")
{
Date("E6a");
Date("IRSL-39", U(2010-116000, 2010-92000,
10));
Date("E5a");
Date("E4a");
Date("IRSL-40", U(2010-66300, 2010-50900,
10));
Date("IRSL-41", U(2010-53700, 2010-44100,
10));
Date("E3");
Date("E2");
Date("IRSL-44", U(2010-18100, 2010-14500,
10));
Date("E1");
Date("IRSL-46", U(2010-15200, 2010-12400,
10));
Date("E0");
};
Sequence("WAG_U")
{
Date("E2");
Date("IRSL-25", U(2010-17800, 2010-14400,
10));
Date("IRSL-26", U(2010-16600, 2010-13600,
10));
Date("E1");
};
Difference("RI02", "E0", "E2");
Difference("RI23", "E2", "E3");
Difference("RI34", "E3", "E4a");
Difference("RI45", "E4a", "E5a");
Difference("RI56", "E5a", "E6a");
Difference("RI6-End", "E6a", "IRSL-93");
};
}
```

```
Plot()
{
Phase("slip model 2 (U)")
{
Sequence("SDF3_U")
{
Date("IRSL-93", U(2011-179000, 2011-137000,
10));
Date("IRSL-95", U(2011-139000, 2011-107000,
10));
Date("E5b");
Date("E4b");
Date("IRSL-96", U(2011-123060, 2011-99800,
10));
Date("IRSL-97", U(2011-78800, 2011-62800,
10));
Date("E3");
Date("E2");
Date("IRSL-98", U(2011-37000, 2011-26800,
10));
Date("E1");
Date("IRSL-102", U(2011-5300, 2011-4300,
10));
Date("E0", AD(2011));
}; Sequence("SDF1_U")
{
Date("IRSL-39", U(2010-116000, 2010-92000,
10));
Date("E5b");
Date("E4b");
Date("IRSL-40", U(2010-66300, 2010-50900,
10));
Date("IRSL-41", U(2010-53700, 2010-44100,
10));
Date("E3");
Date("E2");
Date("IRSL-44", U(2010-18100, 2010-14500,
10));
Date("E1");
Date("IRSL-46", U(2010-15200, 2010-12400,
10));
Date("E0");
};
Sequence("WAG_U")
{
Date("E2");
Date("IRSL-25", U(2010-17800, 2010-14400,
10));
Date("IRSL-26", U(2010-16600, 2010-13600,
10));
Date("E1");
};
};
Difference("RI02", "E0", "E2");
Difference("RI23", "E2", "E3");
Difference("RI34", "E3", "E4b");
Difference("RI45", "E4b", "E5b");
Difference("RI5-End", "E5b", "IRSL-93");
};
```