

SUPPLEMENTARY INFORMATION

OxCal Run File

Plot()

{

Outlier_Model("SSimple",N(0,2),0,"s");

Outlier_Model("Charcoal",Exp(1,-10,0),U(0,3),"t");

Outlier_Model("General",T(5),U(0,4),"t");

Sequence()

{

Boundary("Start Holmedale");

Phase("Holmedale")

{

R_Date("UGAMS-59371_Holmedale_carbonized maize kernel fragments",970,25)

{Outlier("General",0.01); };

R_Date("UGAMS-59372_Holmedale_carbonized maize kernel fragments",970,20)

{Outlier("General",0.01); };

// R_Date("UGAMS-59373_Holmedale_carbonized maize kernel fragments",1090,20)

{Outlier("General",0.01); };

R_Date("UGAMS-59374_Holmedale_carbonized maize kernel fragments",960,20)

{Outlier("General",0.01); };

R_Date("TO-6079_Holmedale_Zea mays",1010,70) {Outlier("General",0.01); };

```
//R_Date("WAT-3005_Holmedale_Carbonized Walnut",1080,80)
{Outlier("General",0.05); };
R_Date("UOC-16305*_Holmedale_Zea mays",906,30) {Outlier("General",0.01); };
//R_Date("UOC-16306*_Holmedale_Zea mays",878,32) {Outlier("General",0.01); };
Date("Date Holmedale");
};
Boundary("End Holmedale");
};
Sequence()
{
Boundary("Start Porteous");
Phase("Porteous")
{
R_Date("UOC-13128*_Porteous_Zea mays",878,28) {Outlier("General",0.01); };
R_Date("UOC-13129*_Porteous_Zea mays",841,25) {Outlier("General",0.01); };
R_Date("UOC-13519*_Porteous_Zea mays",876,27) {Outlier("General",0.01); };
R_Date("UOC-13130*_Porteous_Zea mays",888,26) {Outlier("General",0.01); };
Date("Porteous");
};
Boundary("End Porteous");
};
Sequence()
{
```

```
Boundary("Start Van Besien");
Phase("Van Besien")
{
//R_Date("I-6848_Van Besien_Wood Charcoal",1175,140) {Outlier("Charcoal", 1); };
//R_Date("I-6847_Van Besien_Wood Charcoal",1010,90) {Outlier("Charcoal", 1); };
//R_Date("I-6167_Van Besien_Wood Charcoal",1005,90) {Outlier("Charcoal", 1); };
R_Date("UOC-13131*_Van Besien_Zea mays",858,26) {Outlier("General",0.01); };
R_Date("UOC-13132*_Van Besien_Zea mays",787,26) {Outlier("General",0.01); };
R_Date("UOC-13133*_Van Besien_Zea mays",822,26) {Outlier("General",0.01); };
Date("Van Besien");
};
Boundary("End Van Besien");
};
Sequence()
{
Boundary("Start Elliott II");
Phase("Elliott II")
{
//R_Date("I-13098_Elliot_Wood Charcoal",1100,80) {Outlier("Charcoal", 1); };
//R_Date("xxx68_Elliot_Wood Charcoal",1000,80) {Outlier("Charcoal", 1); };
R_Date("I-13095_Elliot_Wood Charcoal",890,80) {Outlier("Charcoal", 1); };
R_Date("I-13096_Elliot_Wood Charcoal",820,80) {Outlier("Charcoal", 1); };
R_Date("I-13097_Elliot_Wood Charcoal",760,80) {Outlier("Charcoal", 1); };
};
};
};
```

```
R_Date("UOC-4223*_Elliot II_Zea mays",813,35) {Outlier("General",0.01); };
R_Date("UOC-4224*_Elliot II_Zea mays",840,35) {Outlier("General",0.01); };
R_Date("UOC-16300*_Elliot II_Zea mays",832,26) {Outlier("General",0.01); };
R_Date("UOC-16301*_Elliot II_Zea mays",801,30) {Outlier("General",0.01); };
Date("Elliott II");
};
Boundary("End Elliott II");
};
Sequence()
{
Boundary("Start Elliott III");
Phase("Elliott III")
{
R_Date("UOC-4221*_Elliot III_Zea mays",820,35) {Outlier("General",0.01); };
R_Date("UOC-4222*_Elliot III_Zea mays",824,35) {Outlier("General",0.01); };
R_Date("UOC-16302*_Elliot III_Zea mays",785,28) {Outlier("General",0.01); };
R_Date("UOC-16303*_Elliot III_Zea mays",803,31) {Outlier("General",0.01); };
R_Date("UOC-16304*_Elliot III_Zea mays",768,28) {Outlier("General",0.01); };
Date("Elliott III");
};
Boundary("End Elliott III");
};
Sequence()
```

```
{  
  Boundary("Start DeWaele");  
  Phase("DeWaele")  
  {  
    R_Date("I-6411_De Waele_Wood Charcoal",900,90) {Outlier("Charcoal", 1); };  
    R_Date("I-6412_De Waele_Wood Charcoal",855,90) {Outlier("Charcoal", 1); };  
    R_Date("UOC-15868*_De Waele_Zea mays",747,26) {Outlier("General",0.01); };  
    R_Date("UOC-15869*_De Waele_Zea mays",762,26) {Outlier("General",0.01); };  
    R_Date("UOC-15870*_De Waele_Zea mays",710,28) {Outlier("General",0.01); };  
    Date("DeWaele");  
  };  
  Boundary("End DeWaele");  
};  
Sequence()  
{  
  Boundary("Start Uren");  
  Phase("Uren")  
  {  
    R_Date("WSU-1959_Uren_Charcoal",700,70) {Outlier("Charcoal", 1); };  
    R_Date("WFU-1958_Uren_Charcoal",680,70) {Outlier("Charcoal", 1); };  
    //R_Date("WFU-1957_Uren_Zea mays",825,70) {Outlier("SSimple",0.01); };  
    R_Date("WFU-1956_Uren_Charcoal",650,60) {Outlier("Charcoal", 1); };  
    //R_Date("DIC-905_Uren_Zea mays",1390,75) {Outlier("General",0.01); };  
  }  
}
```

```
R_Date("UGA-26439a_Uren_Maize",580,20) {Outlier("General",0.01); };
R_Date("UGA-26439b_Uren_Maize",570,26) {Outlier("General",0.01); };
Date("Uren");
};
Boundary("End Uren");
};
Sequence()
{
Boundary("Start Tillsonberg");
Phase("Tillsonberg")
{
R_Date("UOC-2297_Tillsonberg_Bone",630,11) {Outlier("General",0.05); };
R_Date("UOC-19269_Tillsonberg_Bone",600,11) {Outlier("General",0.05); };
R_Date("UOC-19270_Tillsonberg_Bone",565,11) {Outlier("General",0.05); };
R_Date("UOC-19186_Tillsonberg_Charcoal",605,11) {Outlier("Charcoal", 1); };
R_Date("UOC-19187_Tillsonberg_Charcoal",571,11) {Outlier("Charcoal", 1); };
R_Date("UOC-19188_Tillsonberg_Charcoal",547,11) {Outlier("Charcoal", 1); };
R_Date("UOC-19271_Tillsonberg_Bone",563,11) {Outlier("General",0.05); };
R_Date("UOC-19272_Tillsonberg_Bone",583,11) {Outlier("General",0.05); };
R_Date("UOC-19189_Tillsonberg_Charcoal",547,11) {Outlier("Charcoal", 1); };
R_Date("UOC-19191_Tillsonberg_Charcoal",538,11) {Outlier("Charcoal", 1); };
Date("Tillsonberg");
};
```

```
Boundary("End Tillsonberg");
```

```
};
```

```
};
```