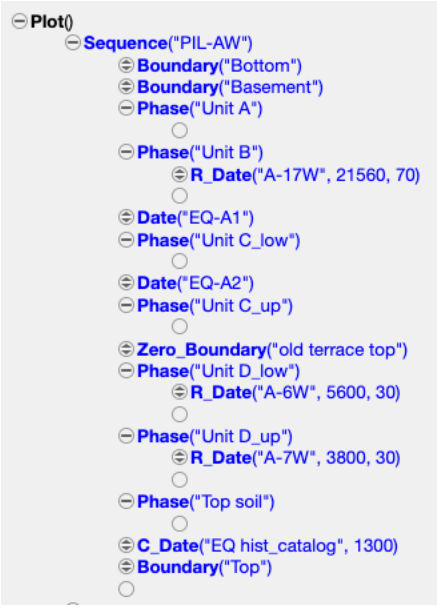
Sample	Trench	Type	Radiocarbon age		Calibrated age		Percent of modern Carbon		D14C		Δ14C	
			BP	1σ error	from_95.4	to_95.4	pMC	1σ error	‰	1σ error	‰	1σ error
R_Date A-17W	PIL	Organic Sediment	21560	70	-24031	-23806	6.83	0.06	-931.71	0.6	-932.28	0.6
R_Date A-6W	PIL	Charcoal	5600	30	-4494	-4355	49.8	0.19	-501.99	1.86	-506.19	1.86
R_Date A-7W	PIL	Organic Sediment	3800	30	-2343	-2138	62.31	0.23	-376.9	2.33	-382.16	2.33
R_Date C-12W	PIL	Organic Sediment	12750	40	-13396	-13111	20.45	0.1	-795.51	1.02	-797.23	1.02
R_Date C-8W	PIL	Organic Sediment	4900	30	-3765	-3636	54.34	0.2	-456.64	2.03	-461.22	2.03
R_Date C-7E	PIL	Charcoal	970	30	1022	1159	88.63	0.33	-113.75	3.31	-121.33	3.31
R_Date A3	RUB	Charcoal	3300	30	-1629	-1502	66.31	0.25	-336.89	2.48	-342.56	2.48
R_Date B2	RUB	Charcoal	3040	30	-1401	-1216	68.49	0.26	-315.07	2.56	-320.93	2.56
R_Date C3	RUB	Charcoal	3100	30	-1434	-1278	67.98	0.25	-320.17	2.54	-325.98	2.54
R_Date C4	RUB	Charcoal	3210	30	-1519	-1422	67.06	0.25	-329.42	2.5	-335.15	2.5
R_Date D1	RUB	Charcoal	3130	30	-1496	-1298	67.73	0.25	-322.7	2.53	-328.58	2.53
R_Date E1	RUB	Charcoal	3020	30	-1391	-1130	68.66	0.26	-313.37	2.56	-319.24	2.56
R_Date F2	RUB	Charcoal	3060	30	-1412	-1227	68.32	0.26	-316.78	2.55	-322.62	2.55

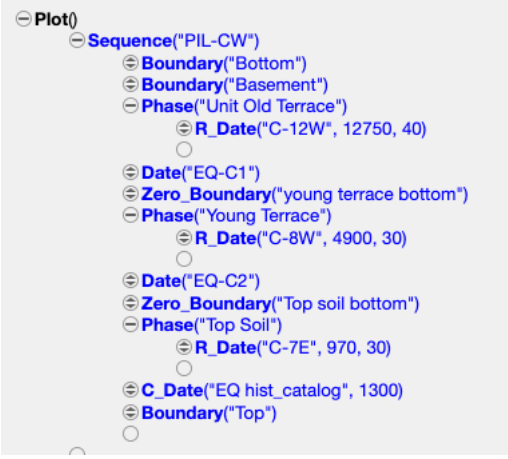
PIL site, trench A




```
Plot()
 {
  Sequence("PIL-AW")
  {
   Boundary("Bottom");
   Boundary("Basement");
   Phase("Unit A")
   {
   };
   Phase("Unit B")
   {
    R_Date("A-17W", 21560, 70);
   };
   Date("EQ-A1");
   Phase("Unit C_low")
   {
   };
   Date("EQ-A2");
   Phase("Unit C_up")
```

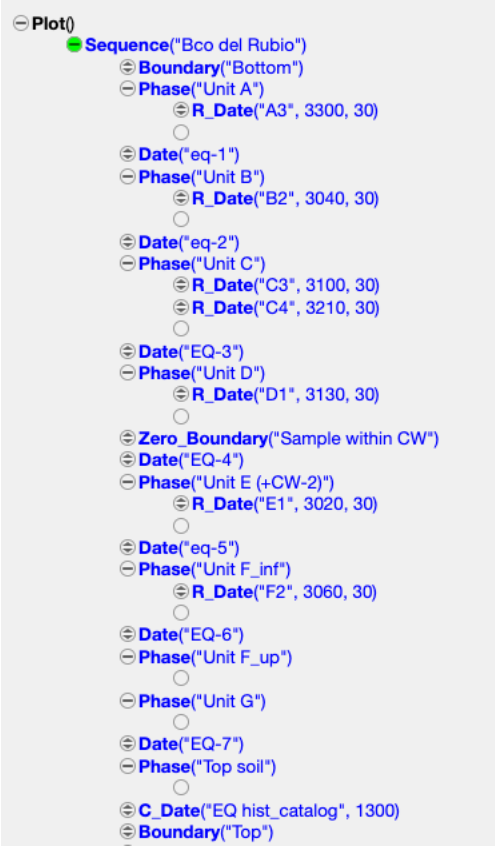
```
 {
 };
 Zero_Boundary("old terrace top");
 Phase("Unit D_low")
 {
  R_Date("A-6W", 5600, 30);
 };
 Phase("Unit D_up")
 {
  R_Date("A-7W", 3800, 30);
 };
 Phase("Top soil")
 {
 };
 C_Date("EQ hist_catalog", 1300);
 Boundary("Top");
};
};
```

PIL site, trench C




```
Plot()
 {
  Sequence("PIL-CW")
  {
   Boundary("Bottom");
   Boundary("Basement");
   Phase("Unit Old Terrace")
   {
    R_Date("C-12W", 12750, 40);
   };
   Date("EQ-C1");
   Zero_Boundary("young terrace bottom");
   Phase("Young Terrace")
   {
    R_Date("C-8W", 4900, 30);
   };
   Date("EQ-C2");
   Zero_Boundary("Top soil bottom");
   Phase("Top Soil")
   {
    R_Date("C-7E", 970, 30);
   };
   C_Date("EQ hist_catalog", 1300);
   Boundary("Top");
  };
 };
```

RUB trench ALL earthquakes

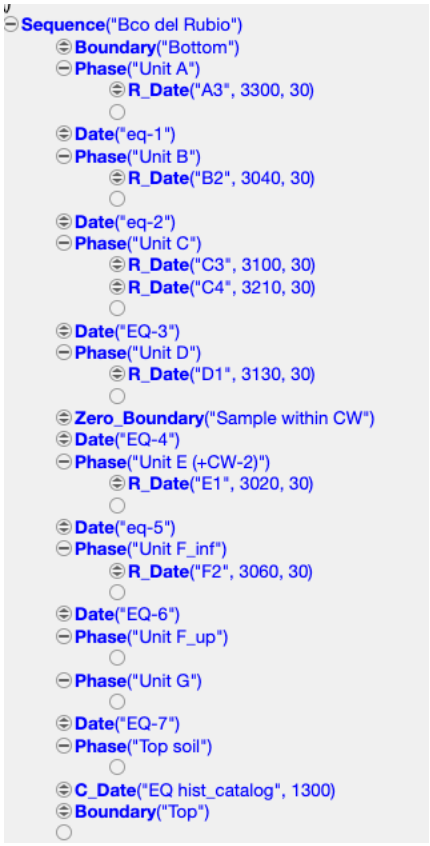



```
Plot()
 {
  Sequence("Bco del Rubio")
  {
   Boundary("Bottom");
   Phase("Unit A")
   {
    R_Date("A3", 3300, 30);
   };
   Date("eq-1");
   Phase("Unit B")
   {
```

```
 R_Date("B2", 3040, 30);
};
Date("eq-2");
Phase("Unit C")
{
 R_Date("C3", 3100, 30);
 R_Date("C4", 3210, 30);
};
Date("EQ-3");
Phase("Unit D")
{
 R_Date("D1", 3130, 30);
};
Zero_Boundary("Sample within CW");
Date("EQ-4");
Phase("Unit E (+CW-2)")
{
 R_Date("E1", 3020, 30);
};
Date("eq-5");
Phase("Unit F_inf")
{
 R_Date("F2", 3060, 30);
};
Date("EQ-6");
Phase("Unit F_up")
{
};
Phase("Unit G")
{
};
Date("EQ-7");
```

```
  Phase("Top soil")
  {
  };
  C_Date("EQ hist_catalog", 1300);
  Boundary("Top");
 };
};
```

RUB trench MAJOR earthquakes




```
Plot()
 {
  Sequence("Bco del Rubio")
  {
   Boundary("Bottom");
   Phase("Unit A")
   {
    R_Date("A3", 3300, 30);
   };
   Date("eq-1");
   Phase("Unit B")
   {
    R_Date("B2", 3040, 30);
   };
   Date("eq-2");
```

```
Phase("Unit C")
{
 R_Date("C3", 3100, 30);
 R_Date("C4", 3210, 30);
};
Date("EQ-3");
Phase("Unit D")
{
 R_Date("D1", 3130, 30);
};
Zero_Boundary("Sample within CW");
Date("EQ-4");
Phase("Unit E (+CW-2)")
{
 R_Date("E1", 3020, 30);
};
Date("eq-5");
Phase("Unit F_inf")
{
 R_Date("F2", 3060, 30);
};
Date("EQ-6");
Phase("Unit F_up")
{
};
Phase("Unit G")
{
};
Date("EQ-7");
Phase("Top soil")
{
};
```

```
  C_Date("EQ hist_catalog", 1300);
  Boundary("Top");
 };
};
```