

## The longest tree-ring chronologies in the world, summarised by Rob Wilson 1-Nov-2010

### Long Continuous Chronologies

Location	Species	Loc.	Start Date	Publication	Comment
Central Europe	Oak-Pine composite	N	10644 BC	Becker 1993; Spurk et al. 98; Friedrich et al, Radiocarbon 46(3) 2004	Oak chronology extended with Younger Dryas-Preboreal Pine Chronology
Southern Germany	Oak	N	8480 BC	Becker 1993; Spurk et al. 98; Friedrich et al, Radiocarbon 46(3) 2004	
European Alps	Pinus cembra, Larix decidua	N	7109 BC	Nicolussi et al., the Holocene 19/6 (2009)	
US White Mts. California. Methuselah Walk	Bristlecone (Pinus longaeva)	N	6828 BC	Hughes and Graumlich NATO ASI series (141) 1996	
Finland, Lapland	Pinus silvestris	N	5634 BC	Helama et al. Norwegian Journal of Geography. 62. 2008.	
Ireland Long Oak Chronology	Oak	N	5474 BC		
Sweden, Torneträsk	Pinus silvestris	N	5405 BC	Grudd et al. The Holocene 12(6), 2002	
US White Mts. California. Campito Mountain	Bristlecone (Pinus longaeva)	N	5278 BC		
English Long Oak Chronology	Oak	N	5012 BC		
US White Mts. California. Sheep Mountain	Bristlecone (Pinus longaeva)	N	3796 BC	Salzer et al., PNAS 106 48 2009	
Southern Chile	Fitzroya cupressoides	S	3656 BC		
US Nevada. Pearl Peak (Ruby Range)	Bristlecone (Pinus longaeva)	N	2676 BC	Salzer et al., PNAS 106 48 2009	
US Nevada. Mount Washington (Snake Range)	Bristlecone (Pinus longaeva)	N	2668 BC	Salzer et al., PNAS 106 48 2009	
Tasmania (Mt. Read)	Huon pine (Lagarostrobos franklinii)	S	2146 BC	Cook et al., 2006	
Yamal, Western Siberia	Larch (Larix sibirica)	N	2000 BC	Hantemirov and Shiyatov. The Holocene 12(6), 2002	
New Zealand (north)	Agathis australis	S	1724 BC	Boswijk et al., 2006	
Chile	Fitzroya cupressoides	S	1637 BC	Lara et al., 2000	
Northeastern Qinghai-Tibetan Plateau	Qilian juniper	N	1580 BC	Shao et al. QSR. 29 (17-18) 2010	
North East France	Oak	N	1500 BC	Tegel et al. QSR. 29 (17-18) 2010	
Austria, Dachstein	Spruce and Larch	N	1475 BC		
Norway, Dividalen	Scots pine (Pinus sylvestris)	N	600 BC	Kirchhefer, in prep.	
Tasmania (Stanley River)	Huon pine (Lagarostrobos franklinii)	S	571 BC	Buckley et al. 1997	
Taimyr, Eastern Siberia	Siberian Larch	N	431 BC	Naurzbaev et al. The Holocene 12(6), 2002	
Chile	Fitzroya cupressoides	S	~400 BC	Lara et al., 2000	
Argentina	Fitzroya cupressoides	S	~350 BC	Lara et al., 2000	
New Zealand	Lagarostrobos colensoi	S	323 BC	Cook et al. 2006	

### Discontinuous but back to.....

Location	Species	Earlie Publication			
New Zealand Kauri	Kauri (Agathis australis)	S	> 50,000 years	Ogden et al., 1992; Hogg et al., 2006; Palmer et al. 2006; Boswijk et al., 2006	
Southern Chile	Fitzroya cupressoides	S	~50,000 years	Roig et al. Nature. 410. 2001; Villagrán & Roig, 2003	
Central Europe	Younger Dryas-Preboreal Pine Chronology	N	10644 - 7942 BC	Friedrich et al., Radiocarbon 46(3) 2004; Hua et al., QSR 2009; Kaiser et al., QSR (2010)	
Yamal, Western Siberia	Larch (Larix sibirica)	N	7390 BC	Hantemirov and Shiyatov. The Holocene 12(6), 2002	
Scotland, Cairngorms	Pinus silvestris	N	5900 BC	Wilson et al. submitted	Very early days
Tasmania (Stanley River)	Huon pine (Lagarostrobos franklinii)	S	5603 – 1348 BC	Cook pers com	
Sweden, Jämtland	Pinus silvestris	N	4868 BC	Gunnarson	
Taimyr, Eastern Siberia	Siberian Larch	N	4140 BC	Naurzbaev et al. The Holocene 12(6), 2002	