2017

Paleomagnetic secular variation (PSV) ages of Wilson Crk, PLC08-1, BL04-4, OL90-1 and 2

Larry Benson
U.S. Geological Survey, great.basin666@gmail.com

In the paleomagnetic secular variation (PSV) ages folder:

The data for OL90-1 and 2 have not been published

The data for PLC08-1 are reported in:

Benson, L.V., Smoot, J.P., Lund, S.P., Mensing, S.A., Rye, R.O., 2013. Insights from a synthesis of old and new climate-proxy data from the western Lahontan Basin for the period 48 to 11.5 ka. Quaternary International310, 62-82.

Lund, S., Benson, L., Negrini, R., Liddicoat, J., Mensing, S., 2016. A full-vector paleomagnetic secular variation record (PSV) from Pyramid Lake (Nevada) from 47-17 ka: Evidence for the successive Mono Lake and Laschamp Excursions. Earth and Planetary Sciences online.

The data for BL04-4 are reported in:

Benson, L.V., Lund, S.P., Smoot, J.P., Rhode, D.E., Spencer, R.J., Verosub, K.L., Louderback, L.A., Johnson, C.A., Rye, R.O., Negrini, R., 2011. The rise and fall of Lake Bonneville between 45 and 10.5 ka. Quaternary International 235, 57-69.

The data for the Wilson Creek Formation are reported in:

Benson, L.V., Lund, S.P., Burdett, J.W., Kashgarian, M., Rose, T.P., Smoot, J.P., and Schwartz, M., 1998, Correlation of Late-Pleistocene lake level oscillations in Mono Lake, California, with North Atlantic climate events: Quaternary Research, vol. 49, p. 1-10.

Name	Date modified	Time modified	Size MB	Extension
PSV Ages of Wilson Crk, PLC08-1, BL04-4, OL90-1 and2\PSV Ages of Wilson Crk, PLC08-1, BL04-4, OL90-1 and2				
PSV age as a fcm of depth forWilson Crk Fm, PLC08-1, BL04-4 and OL90-1 and 2.xlsx	13.11.2017	01:02:00	0.10	xlsx

General Comment: In most cases an age model based on ^{14}C analyses is not included with the data sets although ones were created for the original publications. Given the general problems with ^{14}C ages in the lakes of the Great Basin, age models based on paleomagnetic secular variation (PSV) are much preferred. However the original ^{14}C data are included below so that the reader may create their own age models. Most of the calibrated ages in this data base have been done more recently than the times of original publication so they may not exactly match the dates in the publications.