**0400\_T3B2**

**Site name: Titicaca LT01-3B 2**

**Original papers: Gosling et al ,2008; Gosling et al ,2009**

**Age model in original papers:**

No hiatus

No outliers

No reversals

Comments: 24\*14C dates from sister core LT01-3A (Table 2) were added to this chronology of LT01-3B (Table 1).

Between 0-11ka the SH calibration curve was used and for older dated the NH curve.

A tephra layer at 93.77 mblf was matched to a tephra layer from LT01-2B at 151,000 cal yr BP.

The chronology was validated by biostratigraphic comparison with fossil pollen from LT01-2B (Hanselman, unpublished data) and orbitally tuned to the precessional cycle (Table 3).

Calculations used to generate the fill age depth profile (Fig. 3d) are detailed in Table 4.

**Recalibrated age model in this paper:**

Original depth file available

# Run 8 Only 14C dates used.

# Run 9 Additional tie points older section added. Numerous age reversals occurring.

# Run 10: All depth below 93.77 m removed and smoothness factor adjusted. No outliers implemented.

# Run 11: Proposed outliers implemented.