|  |
| --- |
| **Grain size record ≤ 15.1µm** |
| **Intervals** | 1AD-450AD | 750-1400AD |
| 500AD-700AD | p < 0.01 | p < 0.01 |
| 1450-1850AD | p < 0.01 | p < 0.01 |
|  |  |  |
| **µXRF dust fraction record** |
| **Intervals** | 1AD-450AD | 750-1400AD |
| 500AD-685AD | p = 0.06 | p < 0.01 |
| 1450-1850AD | p = 0.60 | p < 0.01 |
|  |  |  |
| **Composite record** |
| **Intervals** | 1AD-450AD | 750-1400AD |
| 500AD-700AD | p < 0.01 | p < 0.01 |
| 1450-1850AD | p < 0.01 | p < 0.01 |
|  |  |  |
| **Southwestern PDSI reconstruction** |
| **Intervals** | 1AD-450AD | 750-1400AD |
| 500AD-700AD | p < 0.01 | p = 0.27 |
| 1450-1850AD | p < 0.01 | p < 0.01 |

**S1 Table.** **Testing for significant differences in records between intervals.** Significance level of mean-differences between respective periods in the dust and drought records highlighted by the vertical bars in Fig 8.