|  |  |  |  |
| --- | --- | --- | --- |
| **Sample type and ID** | **Collection date** |  |  |
|  |  | **δ18O (‰ V-SMOW)** | **δD (‰ V-SMOW)** |
| **Drip water** |  |  |  |
| 1 | 2009-09-04 | -5.84 | -34.02 |
| 2 | 2010-01-21 | -6.09 | -37.04 |
| 3 | 2010-06-11 | -5.68 | -35.11 |
| 4 | 2010-09-30 | -6.37 | -36.51 |
| 5 | 2011-02-04 | -6.59 | -38.58 |
| 6 | 2011-05-31 | -6.00 | -41.33 |
| 7 | 2011-10-08 | -6.56 | -42.28 |
| 8 | 2012-02-01 | -6.48 | -40.58 |
| 9 | 2012-07-06 | -6.47 | -41.27 |
| **Modern calcite** |  |  |  |
|  |  | **δ18O (‰ V-PDB)** | **δ13O (‰ V-PDB)** |
|  | September 2009 | -4.99 | -9.93 |
|  | January 2010 | -4.65 | -7.02 |
|  | January 2010 | -4.37 | -6.94 |
|  | September 2010 | -5.12 | -8.72 |

|  |  |  |
| --- | --- | --- |
| **Predicted values using drip water sample:** | Kim and O'Neil, 1997δ18O (‰ V-PDB) | Tremaine et al., 2011δ18O (‰ V-PDB) |
| 1 | -5.57 | -4.52 |
| 2 | -5.82 | -4.76 |
| 3 | -5.41 | -4.35 |
| 4 | -6.09 | -5.04 |
| 5 | -6.32 | -5.26 |
| 6 | -5.72 | -4.67 |
| 7 | -6.29 | -5.23 |
| 8 | -6.20 | -5.15 |
| 9 | -6.19 | -5.13 |
| **Average** | **-5.95** | **-4.90** |