**Yakou Station Snow Obervation**

This dataset includes data recorded by the snow observations from 2014/01/01 to 2017/12/31. The Yakou snow observation (100.24° E, 38.01° N) was covered by Alpine meadow and located in the Dadongshu Yakou, Binggou town, Qilian County, Qinghai Province. The elevation is 4148 m.

An overview of the measured variables and sensor specifications of snow observation (installed at 2014/01/01) are summarized in the following Table, respectively:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variable | Unit | Corporation/Sensors | Height | | Direction |
| Snow depth | m | CSI/SR50A | 2.5 m | / | |
| Snow water equivalent | mm | CSI/CS725 | 2.5 m | / | |
| Drifting snow | g/m2/s | IAV/ FLOWCAPT | 0-1, 1-2, 2-3 m | / | |

The missing data are denoted by -6999, which include: 1) snow water equivalent (Tower 1) continually from 2016/05/07 to 2016/05/07, 2016/06/05 to 2016/10/20, and 2016/12/11 to 2016/12/31 due to sensor breakdown. 2) snow water equivalent of Tower 1 continually from 2017/01/01 to 2017/01/10, 2017/01/22 to 2017/01/28, 2017/06/17 to 2017/09/03, 2017/10/19 to 2017/11/26, and 2017/12/02 to 2017/12/29 due to sensor breakdown.

