**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: drifting snow (0\_1m) of Tower 1 from 2015/01/01 to 2015/12/31. drifting snow(0-1, 1-2, 2-3 m) from 2016/01/01 to 2016/12/31. drifting snow (0-1, 1-2, 2-3 m) from 2017/01/19 to 2017/02/28 due to sensor breakdown;

