

A SMERGE data file contains only a few variables as indicated in the table below. Here is an example of SMERGE data for a single date.

| smflag | RZSM | CCI_ano |
|--------|------|---------|
| 0 | 0.40 | -0.02 |

smflag is the Data Quality Flag

- 0 Indicates Interpolated Data (to be used with discretion)
- 1 Indicates Recommended Data

RZSM is the volumetric soil moisture from the SMERGE product in units [$\text{m}^3 \text{m}^{-3}$]

CCI-ano is a measure of the CCI-based 0 to 40 cm soil moisture anomaly measured in units [$\text{m}^3 \text{m}^{-3}$]

- The anomaly values is derived by removing the climatological soil moisture value during a given date. Positive values are a soil moisture value above the daily average and negative values indicate a soil moisture value below the daily average