

SLUR_qc is **Daily SLUR quality control**. Data type is 16-byte unsigned, padding value is 999. The meaning of the specific values is shown in the table. Note that the QC binary bits are right-to-left, i.e., the left is the high bit, and the last four bits currently have no value and are filled with zeros.

Flag Name	Bits	Bit Values	Bit Values Definitions
Algorithm Flag	0-1	0 (00)	Invalid
		1 (01)	Linear-Sine interpolation
		2 (10)	Linear interpolation
		3 (11)	ERA5_Fill
Polar Flag	2-3	0 (00)	Normal
		1 (01)	Polar day
		2 (10)	Polar night
		3 (11)	Unused
Night_vaid_count Flag	4-7	0-15	Number of valid instantaneous values at night
Day_vaid_count Flag	8-11	0-15	Number of valid instantaneous values during the day
	12-15	0	Unused