

Meta-data

Quality control flags

- **0: good data**
- **QA/QC flags:**
 - 1: No data
 - 2: L2 RangeCheck
 - 3: CSAT Diagnostic
 - 4: LI7500 Diagnostic
 - 5: L2 DiurnalCheck
 - 6: exclude dates
 - 7: exclude hours
- **Corrections flags:**
 - 10: Linear
 - 11: Rotation
 - 12: Massman
 - 13: Virtual F_H
 - 14: WPL
 - 15: TafromTv
 - 16: L3 RangeCheck
 - 17: L3 DiurnalCheck
 - 18: u^* filter
 - 19: Gap co-ordination
- **Gap-filling flags:**
 - 30: Flux gap filled by ANN
 - 31: Flux gap not filled by ANN
 - 32: Met gap filled from climatology
 - 33: Gap filled from ratios
 - 34: Gap filled by interpolation
 - 35: Gap filled by replacement
 - 36: u^* from F_H
 - 37: u^* not from F_H
 - 38: L4 RangeCheck
 - 39: L4 DiurnalCheck

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Process flags

- **albedo flags:**

51: albedo $F_{sd} < \text{threshold}$ 52: albedo time flag

- **Penman-Monteith inversion flags:**

61: $r_{st} < 0$ 62: $F_e < \text{threshold}$ 63: $F_{sd} < \text{threshold}$ 64: $U = 0$

- **Carbon partitioning flags:**

70: night R_e from Q_{10} 80: Day R_e from light response curve 90: GPP night mask 91: Day $F_c > R_e$

- **Footprint flags:**

101: Date filter 102: $u^* < 0.2 \text{ m s}^{-1}$ 103: out of range: L, ww, vv