Meta-data
Quality control and process flags

- **Good data: flag divisible by 10**
- **QA/QC flags:**

  0: Good data   1: No data   2: L2 RangeCheck   3: CSAT Diagnostic

  4: LI7500 Diagnostic   5: L2 DiurnalCheck   6: exclude dates

  7: exclude hours   8: albedo F_{sd} < threshold   9: albedo time flag

- **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

  40: Met gap filled from climatology

  50: Gap filled from ratios

  60: Gap filled by interpolation

  70: Gap filled by replacement

  80: u* from F_H 81: u* not from F_H 82: L4 RangeCheck   83: L4 DiurnalCheck

- **Carbon partitioning flags:**

  90: night R_e from Q_{10}

  100: Day R_e from light response curve or NEEmax

  110: GPP night mask

  120: Day F_c > R_e

Meta-data
Process flags

- **Footprint flags:**

  121: Date filter   **122: no solution**

- **Penman-Monteith inversion flags:**

  131: $r_{st} < 0$ **132: $F_e <$ threshold**   **133: $F_{sd} <$ threshold**
  134: $U = 0$

- **Penman-Monteith aerodynamic resistance flags:**

  140: rav_base short circuit (rav_top good)

  150: rav_top short circuit (rav_base good)   **151: rav_top not short circuit (rav_base bad)**

  160: parallel circuit (rav_full and rav_top good)   **161: not parallel circuit (rav_full short-circuit)**