Meta-dataQuality control and process flags

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

0: Good data 1: No data 2: L2 RangeCheck

4: CSAT Diagnostic 5: LI7500 Diagnostic 6: exclude dates

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

Corrections & QA/QC flags:

10: Linear [11: Rotation] [12: Massman] [13: Virtual F_{μ}]

[14: WPL] 15: TafromTv 16: L3 RangeCheck 17: L3 DiurnalCheck 18: u* filter 19: Gap co-ordination

21: Data-flag mismatch 22: L = 0 in $\zeta = z/L$

Gap-filling flags:

30: Gap filled by ANN 31: Gap not filled

40: Gap filled from one-minute average

60: Gap filled by interpolation 70: Gap filled by replacement

80: u* from F₁ 81: u* not from F₂ 82: L4 RangeCheck 83: L4 DiurnalCheck

84: L5 RangeCheck 85: L5 DiurnalCheck 86: L6 RangeCheck 87: L6 DiurnalCheck

3: L2 DiurnalCheck

Meta-data Process flags

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 $F_{c} = R_{p}$

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)

Bulk Richardson number flags:

171: $\Delta U = 0$ (RiB infinite)