

Step 1. Daily tile merging

MODIS Terra
MOD10A1

+

MODIS Aqua
MYD10A1

Merged data
MCDAT

YES

$t \leq X$

NO

Aggregated data
MCDATXD

Step 2. Temporal aggregation
X number of days

Step 3. Gap filling w. classifiers

MCDXGFD