variables	explanation	unit
YEAR	year of simulation	
MONTH	month of simulation	
DAY	day of simulation	
*****	***class level***	*****
LAYER	forest layer	
HEIGHT	tree height	meter
AGE	average age	year
SPECIES	name	
GPP	gross primary production	gC/m2/day
AR	autotrophic respiration	gC/m2/day
NPP	net primary production	gC/m2/day
LAI	Leaf Area Index	m2/m2
AVDBH	avg dbh	cm
CC	canopy cover	frac/cell
Ntree	number of trees	tree
CET	canopy evapotranspiration	mm/m2/day
CLE	canopy latent heat	W/m2
dWRes	delta C to reserve	tC/cell/day
dWS	delta C to stem	tC/cell/day
dWL	delta C to leaf	tC/cell/day
dWFR	delta C to fine root	tC/cell/day
dWCR	delta C to coarse root	tC/cell/day
dWBB	delta C to branch	tC/cell/day
SAR	stem aut respiration	gC/m2/day
LAR	leaf aut resp	gC/m2/day
FAR	fine root aut resp	gC/m2/day
CRAR	coarse root aut resp	gC/m2/day
BBAR	branch aut resp	gC/m2/day
*****	***cell level***	*****
gpp	gross primary production	gC/m2/day
npp	net primary production	gC/m2/day
ar	autotrophic respiration	gC/m2/day
et	cell evapotransiration (canopy + soil)	mm/m2/day
le	cell latent heat (canopy + soil)	W/m2/day
asw	cell available soil water	mm/m2
*****	***	*****
	note: variables are updated at the enf of the year	