

ED2 Model Summary and Assessment

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INPUT/OUTPUT SUMMARY

Directories

Namelist	/n/moorcrofts5/mjohnston/gitruns/run008/
Results	/n/moorcrofts5/mjohnston/gitruns/run008/analy/

Input files

	ED2IN Designation	Path
Input Vegetation	NL%SFILIN	. / Tonzi_fewcoh.
Input Meteorology	NL%ED_MET_DRIVER_DB	/ n / moorcrofts5 / mjohnston / ED2_Ashehad / Case7.6 / met6 / ED_MET_DRIVER_HEADER
Prescribed Phenology	NA	Not prescribed
XML	NL%IEDCNFGF	/ n / moorcrofts5 / mjohnston / gitruns / run008 / Tonzi.xml

Intended Dates

Start Request	End Request
NL%IMONTHA = 07	NL%IMONTHZ = 07 ! Month
NL%IDATEA = 01	NL%IDATEZ = 02 ! Day
NL%IYEARA = 2002	NL%IYEARZ = 2005 ! Year
NL%ITIMEA = 0000	NL%ITIMEZ = 0000 ! UTC

Output Files

tscales	numfiles	first	last
D	492	tonzi-D-2002-07-01-000000-g01.h5	tonzi-D-2003-11-04-000000-g01.h5
E	16	tonzi-E-2002-07-00-000000-g01.h5	tonzi-E-2003-10-00-000000-g01.h5
I	493	tonzi-I-2002-07-01-000000-g01.h5	tonzi-I-2003-11-05-000000-g01.h5
Q	16	tonzi-Q-2002-07-00-000000-g01.h5	tonzi-Q-2003-10-00-000000-g01.h5
T	2	tonzi-T-2002-00-00-000000-g01.h5	tonzi-T-2003-00-00-000000-g01.h5
Y	2	tonzi-Y-2002-00-00-000000-g01.h5	tonzi-Y-2003-00-00-000000-g01.h5

Plant Functional Types

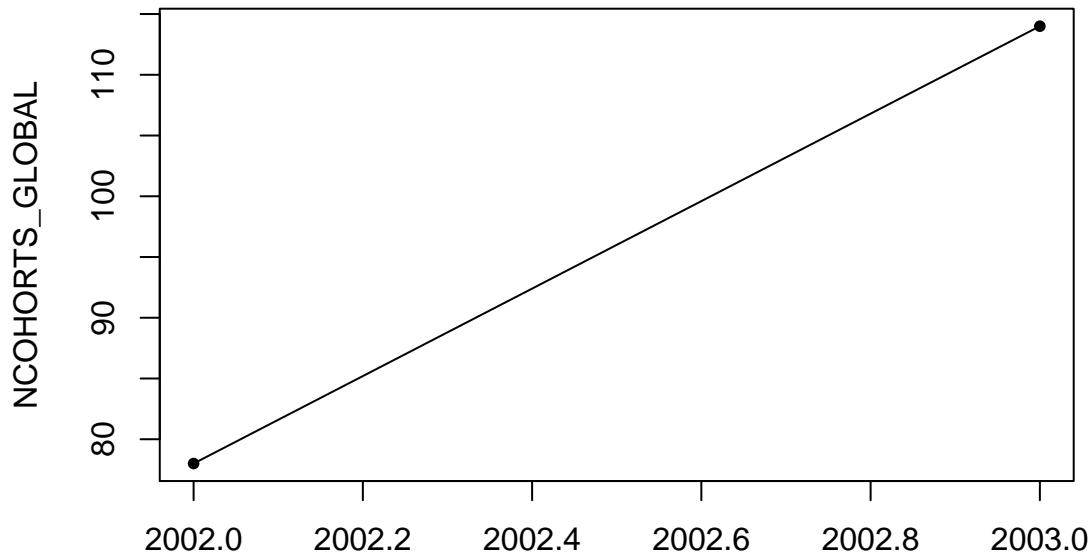
See ED/src/init/ed_params for PFT parameter values, but note that these are often overwritten by XML.

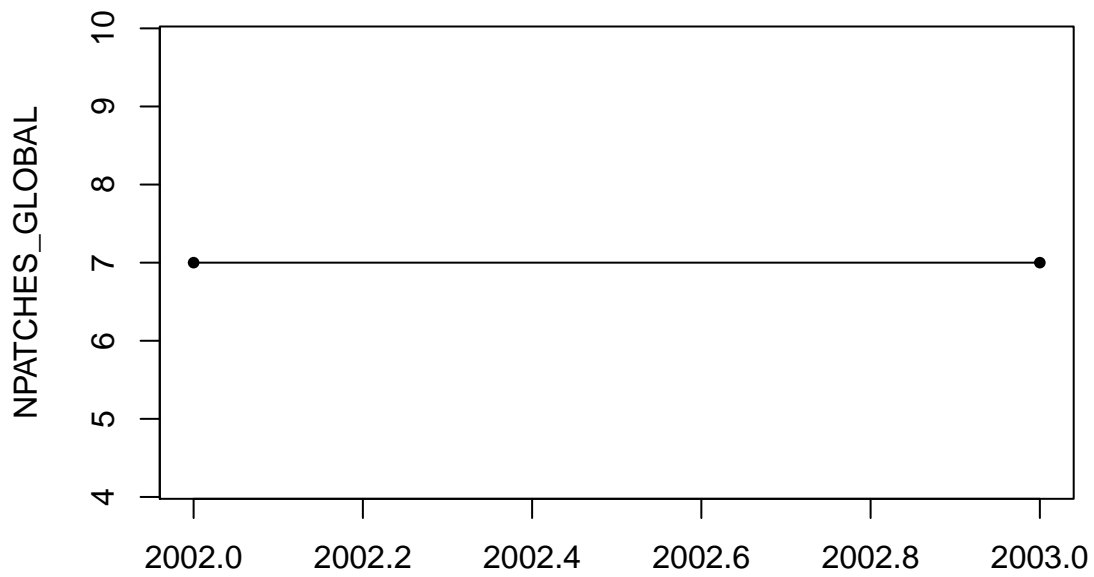
PFTs in model: 5,7,11

YEARLY DIAGNOSTICS

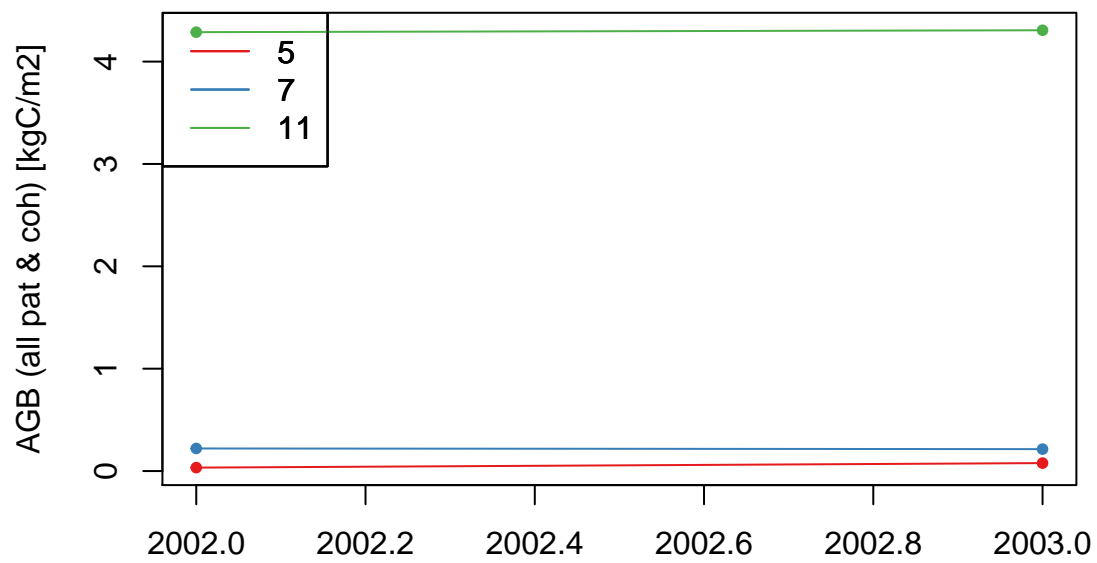
Number of cohorts and patches over time

There are <100 yearly files; extracting data from all of them.

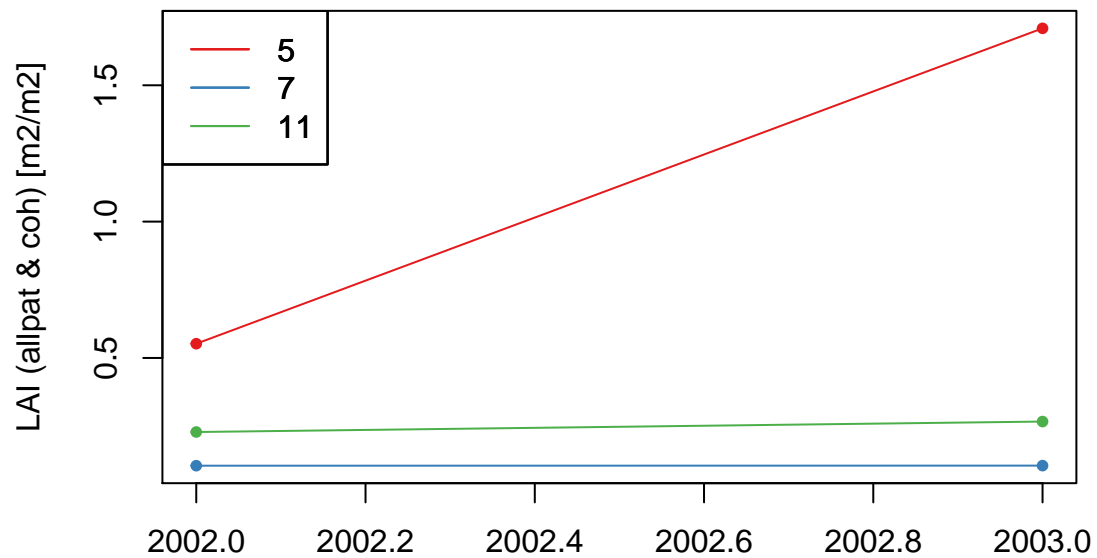




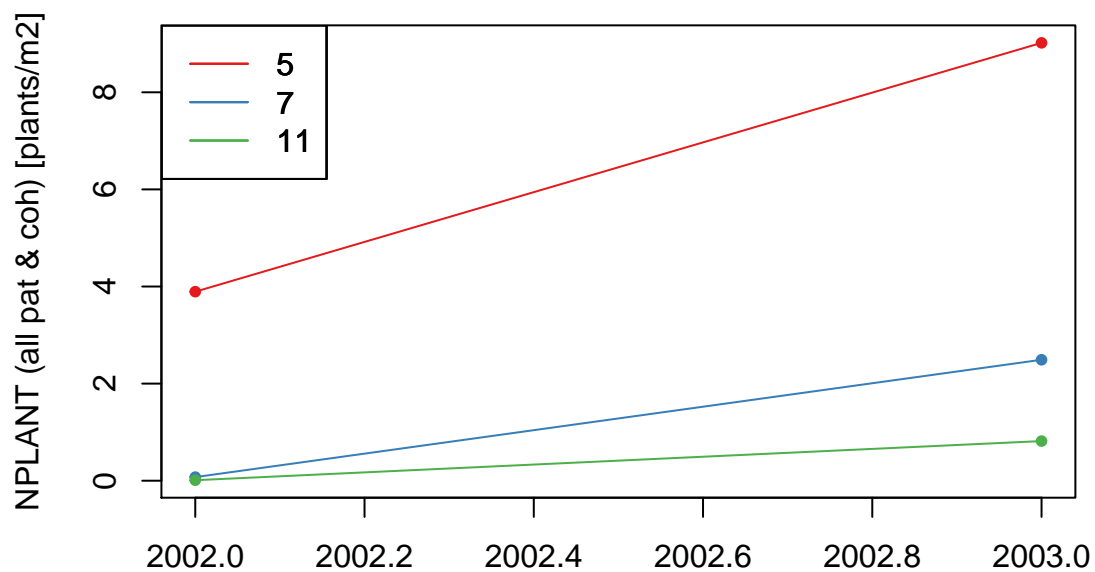
Above-ground biomass



Leaf Area Index



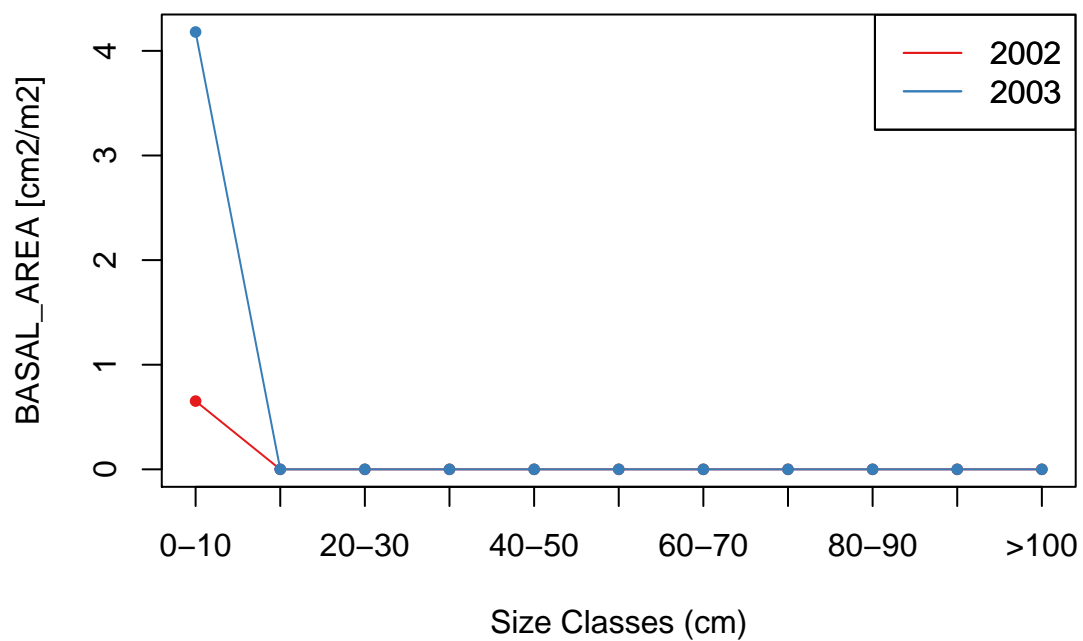
Number of plants



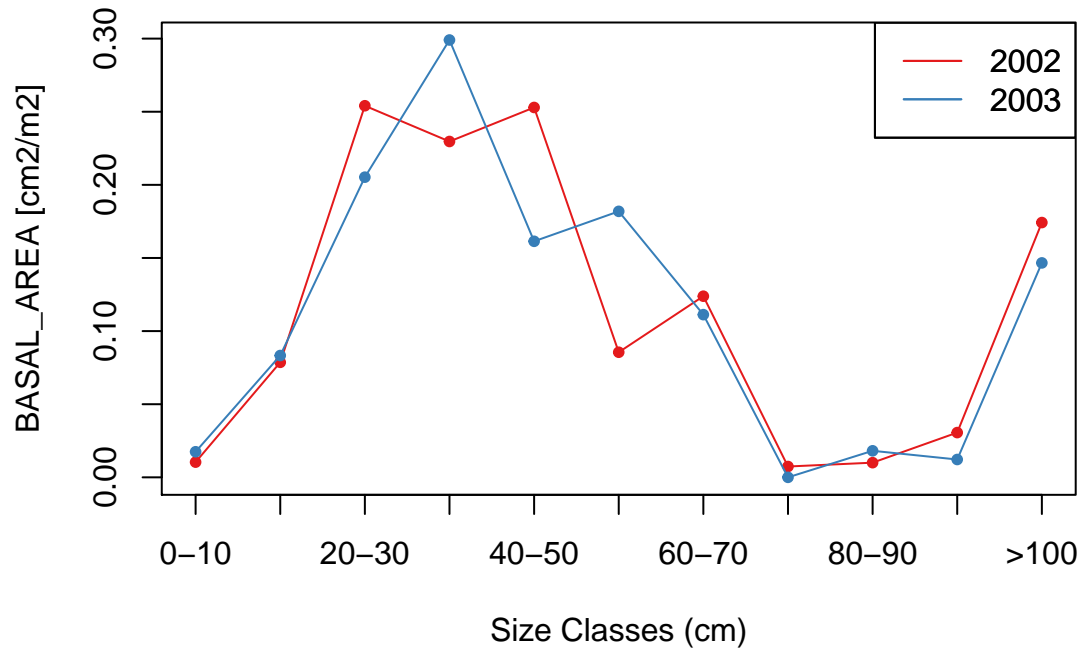
Basal area

Showing basal area size distributions from all available yearfiles.

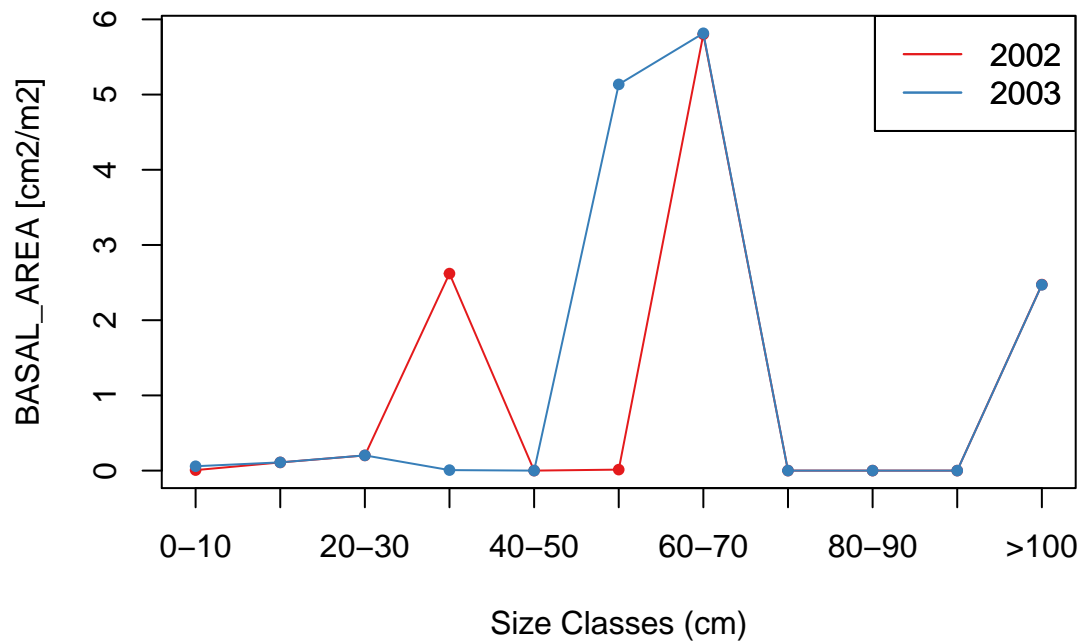
PFT: 5



PFT: 7



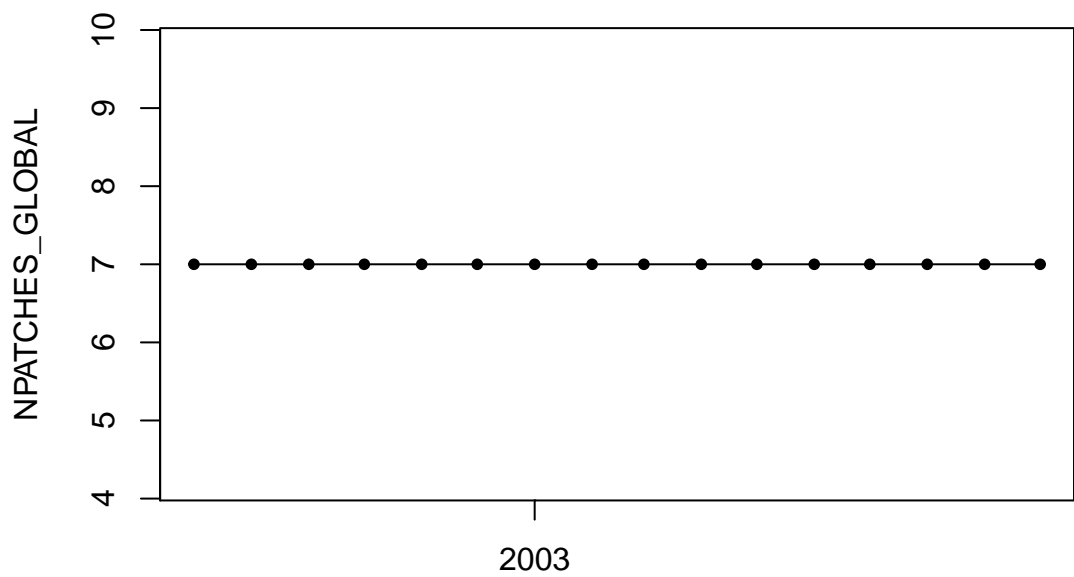
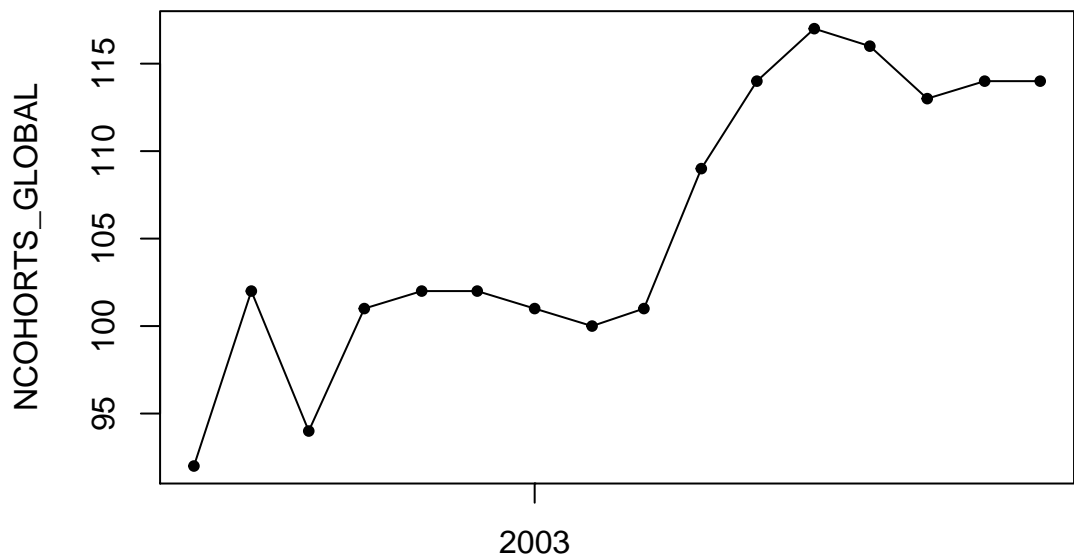
PFT: 11



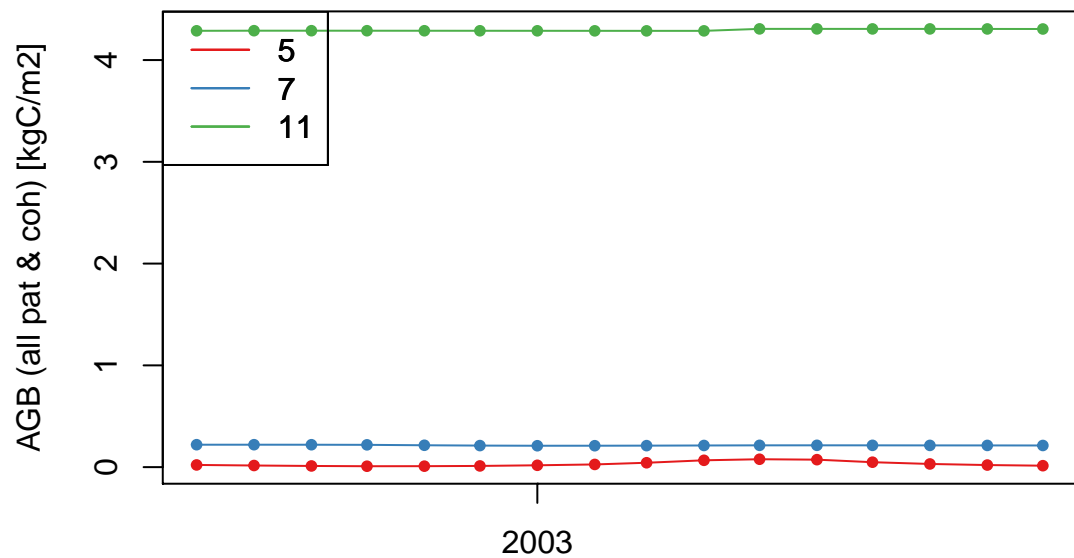
MONTHLY DIAGNOSTICS

Number of cohorts and patches over time

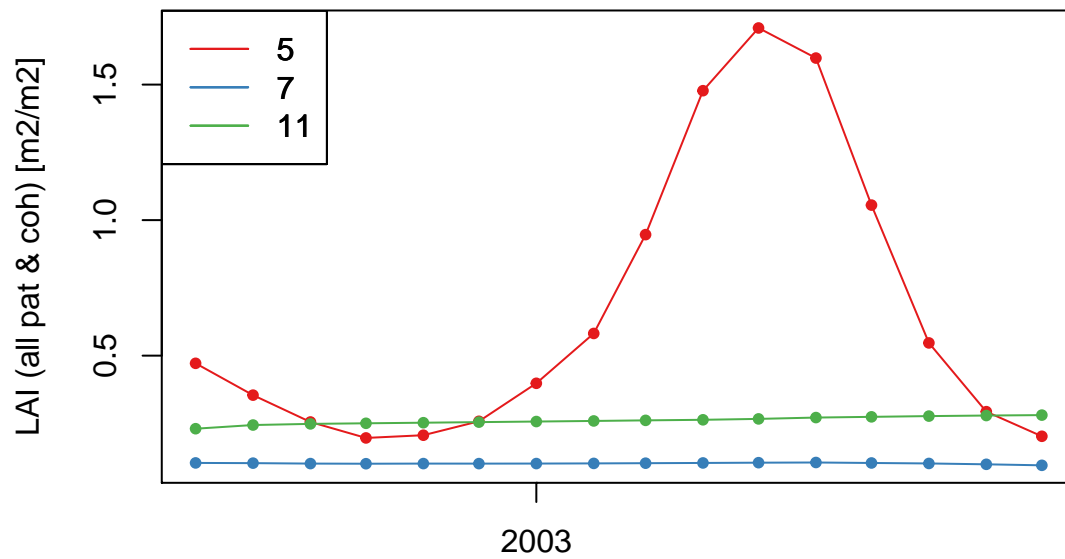
There are <100 monthly files; extracting data from all of them.



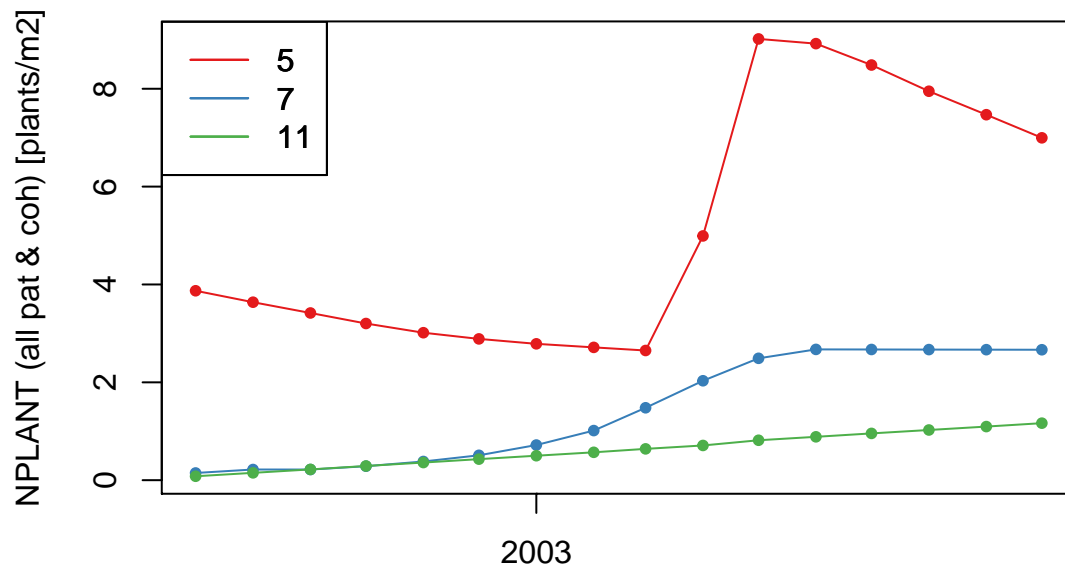
Above-ground biomass



Leaf area index



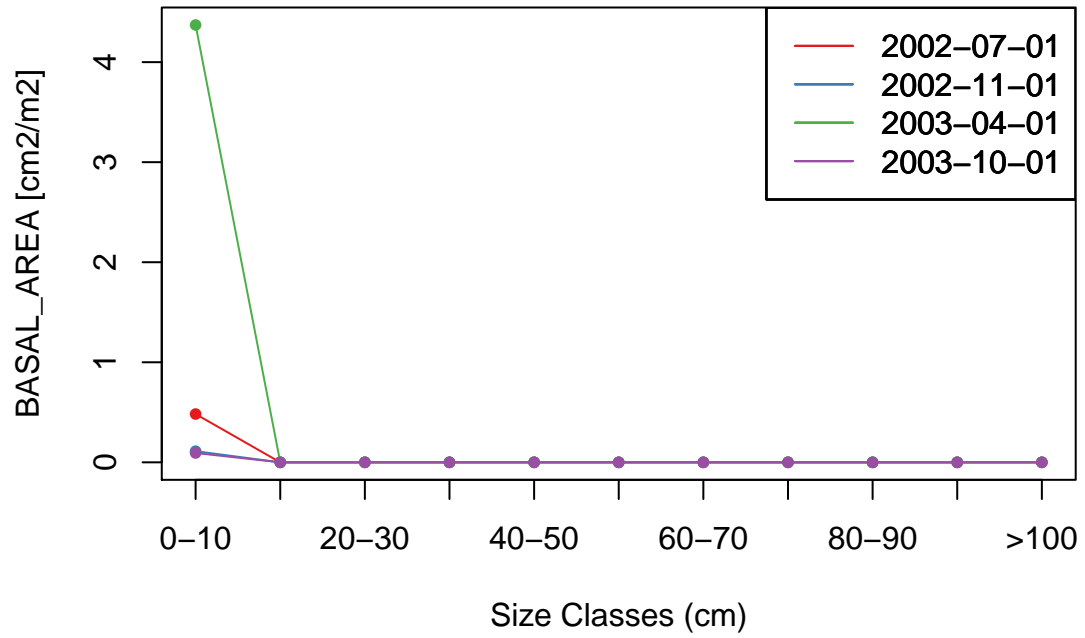
Number of plants



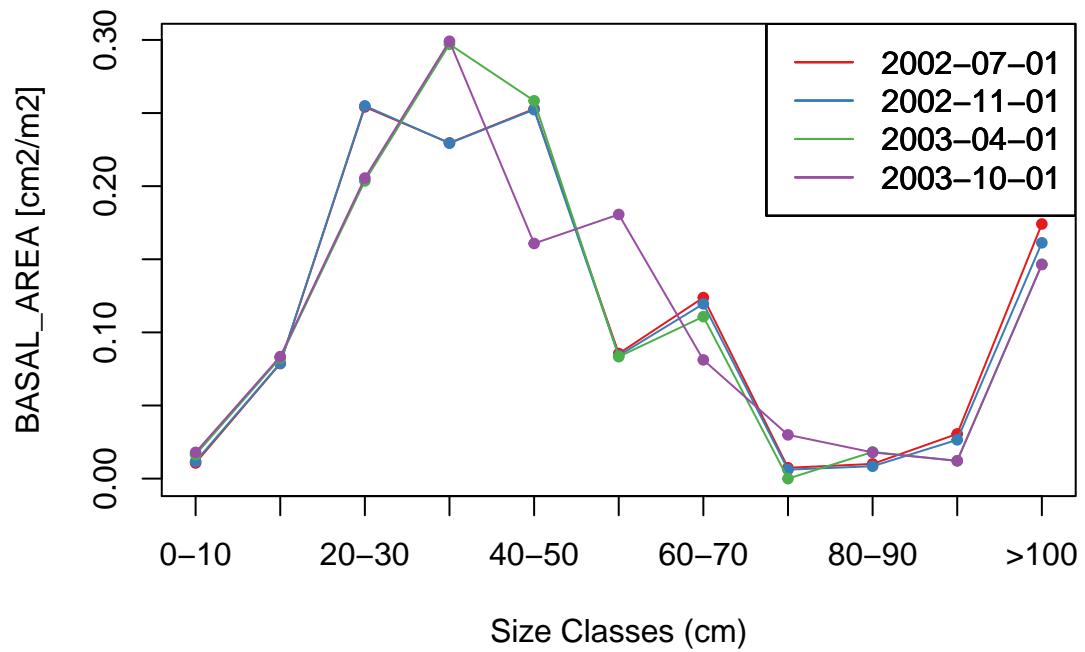
Basal area

Below: showing basal area size distributions of first month, last month, month 1/3 through simulation, and month 2/3 through simulation

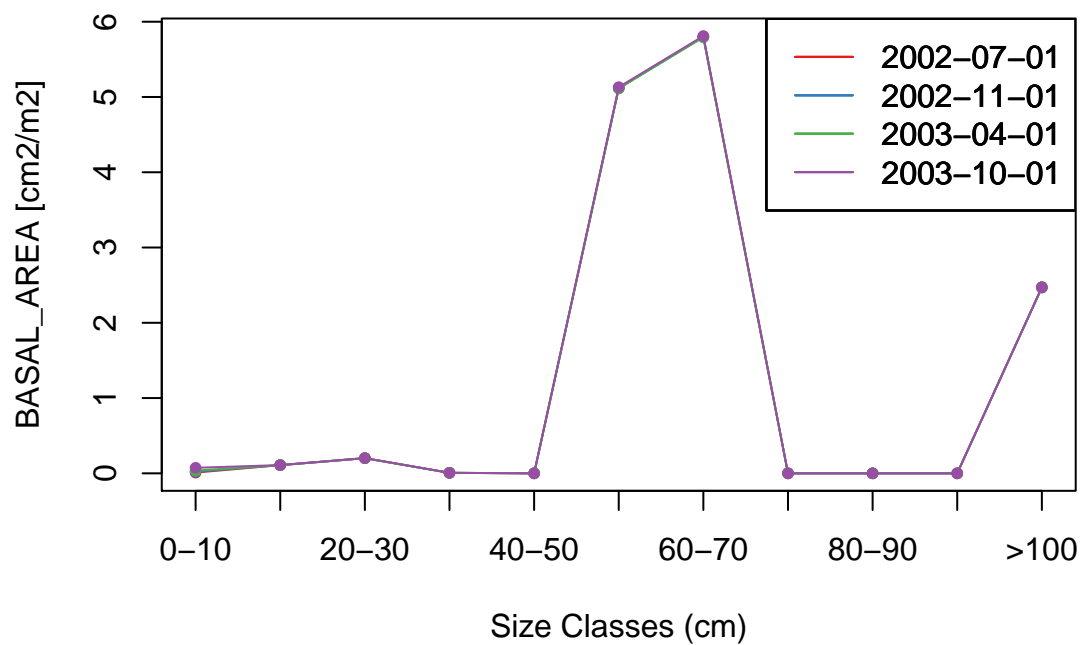
PFT: 5



PFT: 7

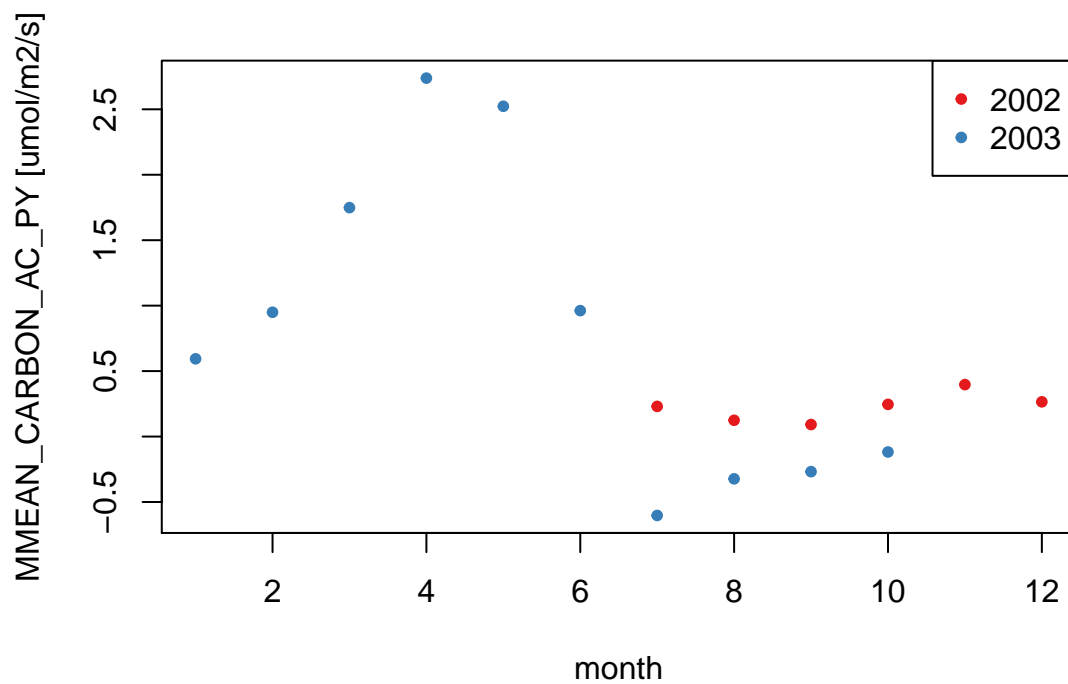


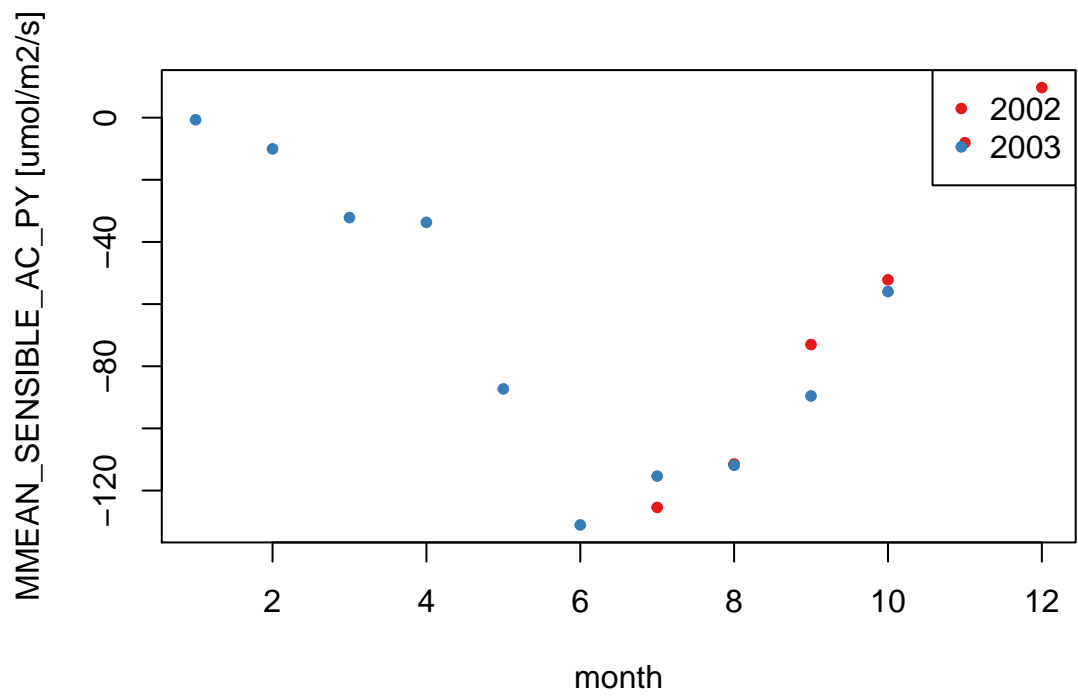
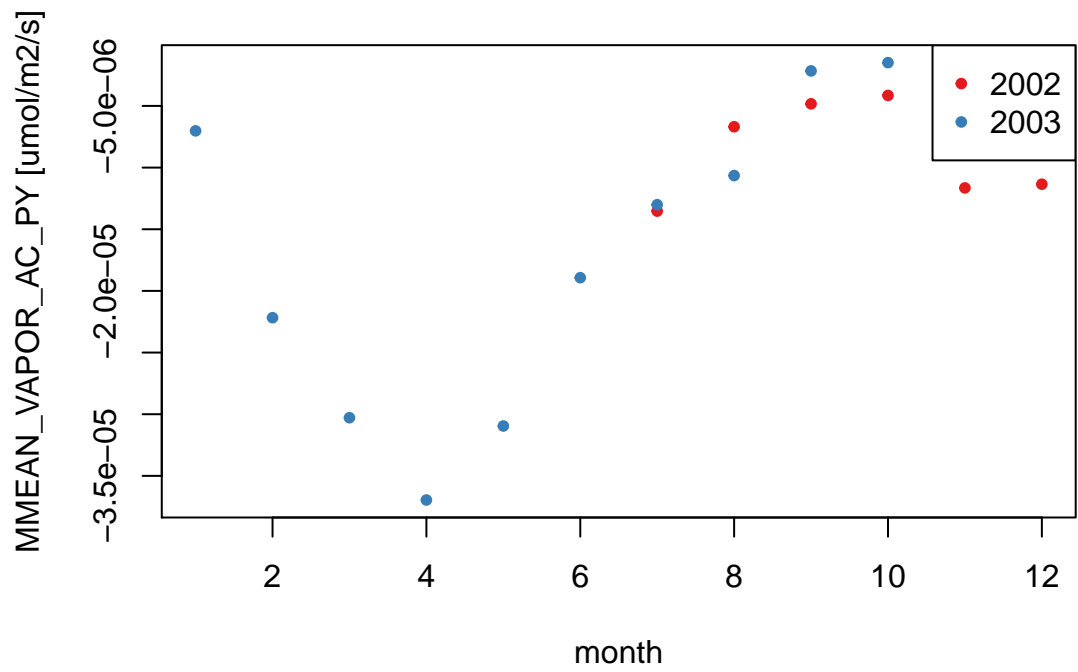
PFT: 11



Fluxes of carbon, water, sensible heat - yearly patterns

No complete years of monthly files available; plotting all months

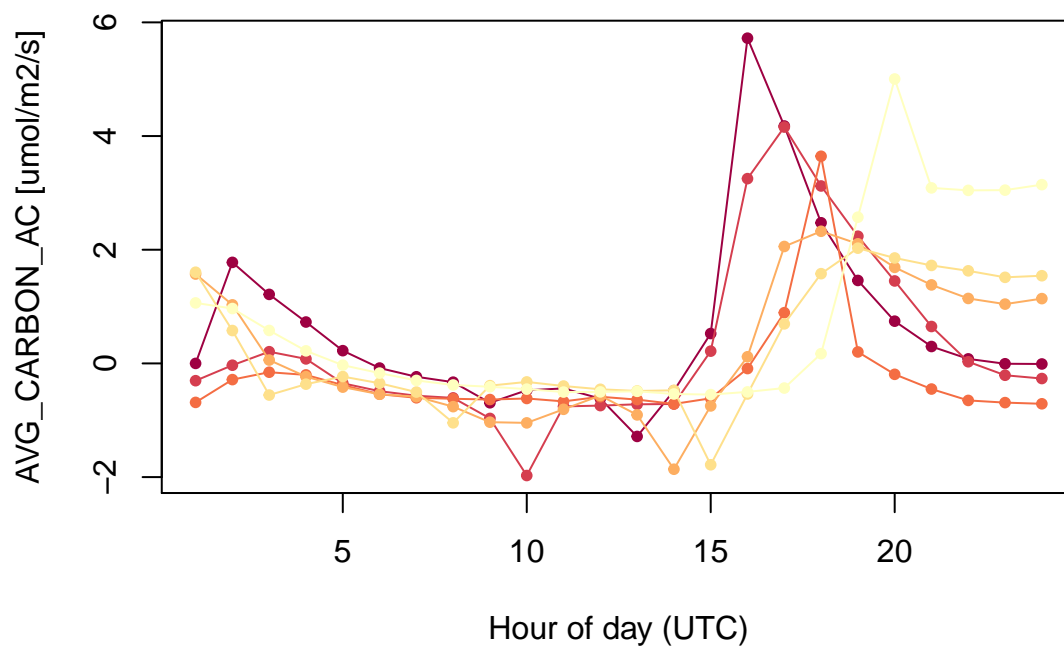
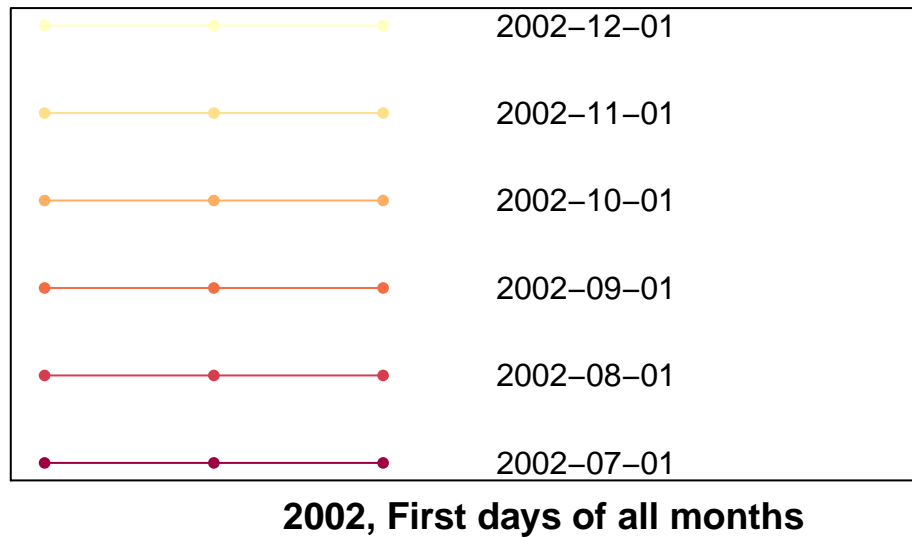




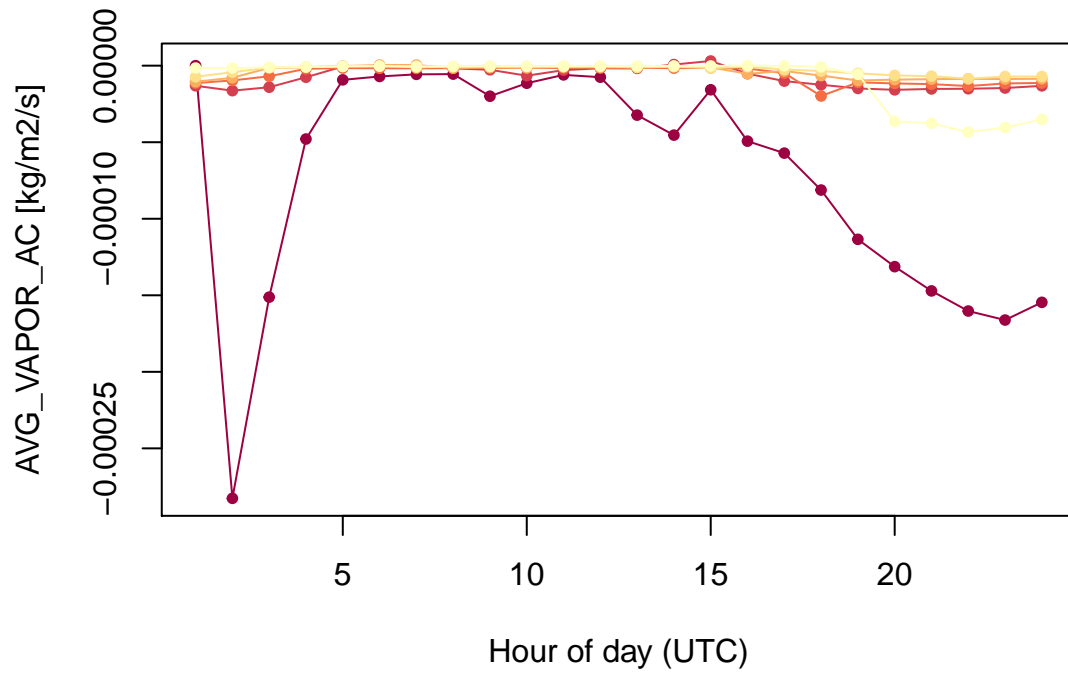
—‘INSTANTANEOUS’ DIAGNOSTICS—

Fluxes of carbon, water, sensible heat - diurnal patterns

Legend for the flux plots:



2002, First days of all months



2002, First days of all months

