EOLDAS – user perspective

## Tristan Quaife

Installation

- Requires:
  - Python (>2.5)
  - Numpy (>1.4)
  - Scipy
  - openopt
  - gfortran
  - FuncDesigner
  - DerApproximator
  - SpaceFuncs

- All of the above are open source and everything other than gfortran and Python can be installed using Python's easy_install functionality
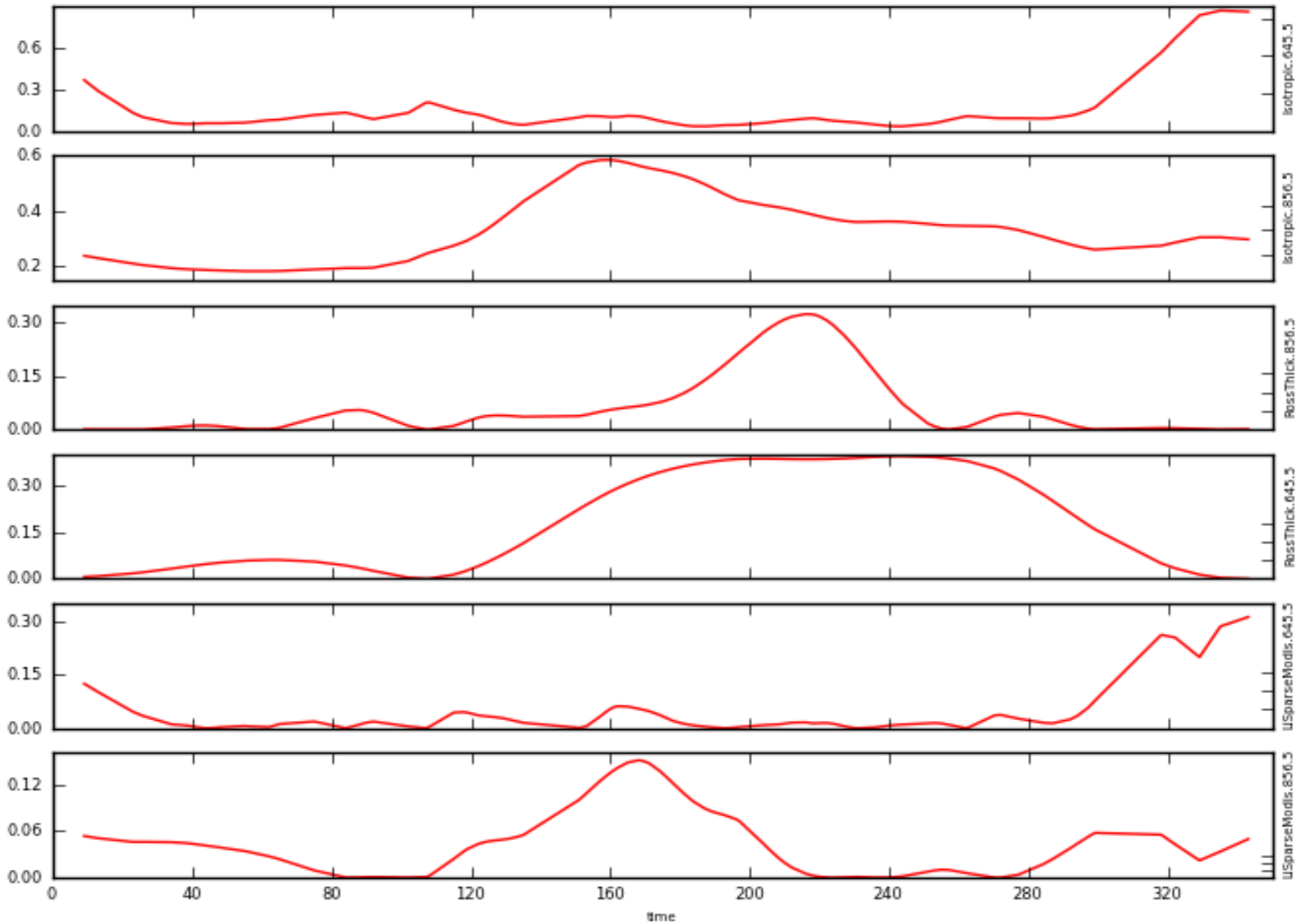
Running the EOLDAS

- Relies on a "configuration" file
  - Package comes with a number of examples
  - Fairly intuitive to edit and adjust to own needs

- Data format for input files is ASCII and straightforward to generate
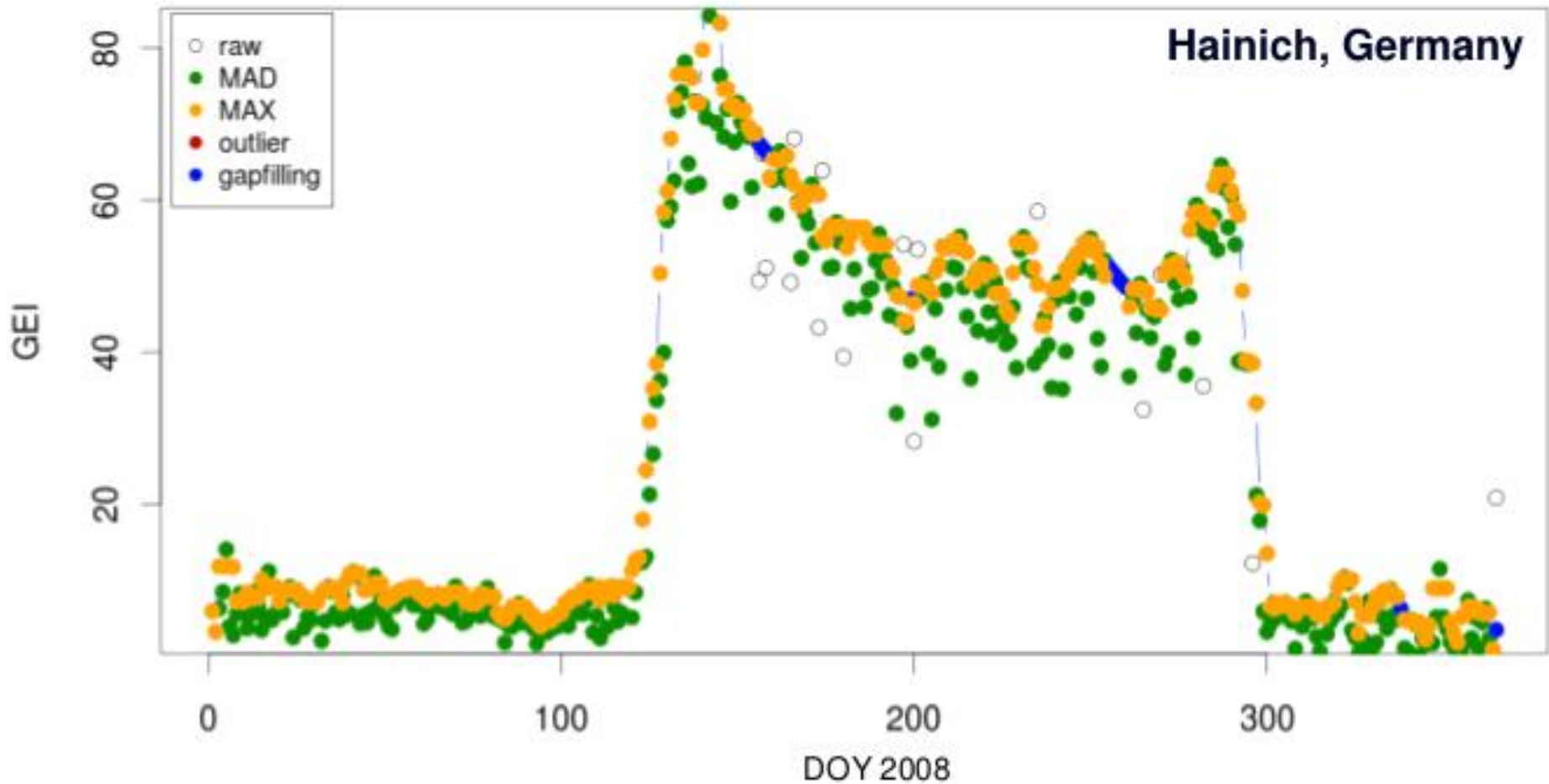 - Should be trivial to build Python interface with other data formats (e.g. HDF–EOS)

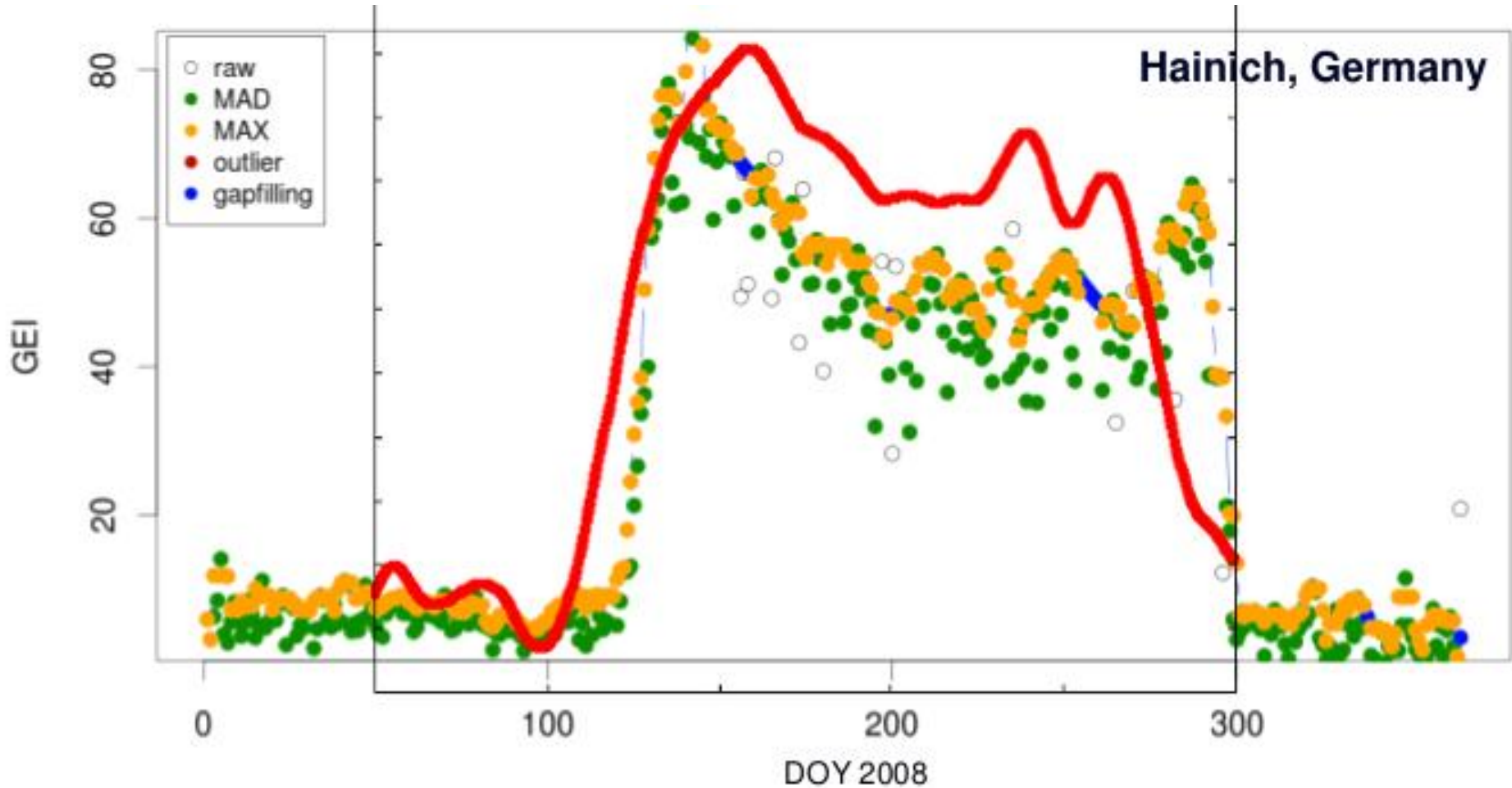# Test case 1: Hainich
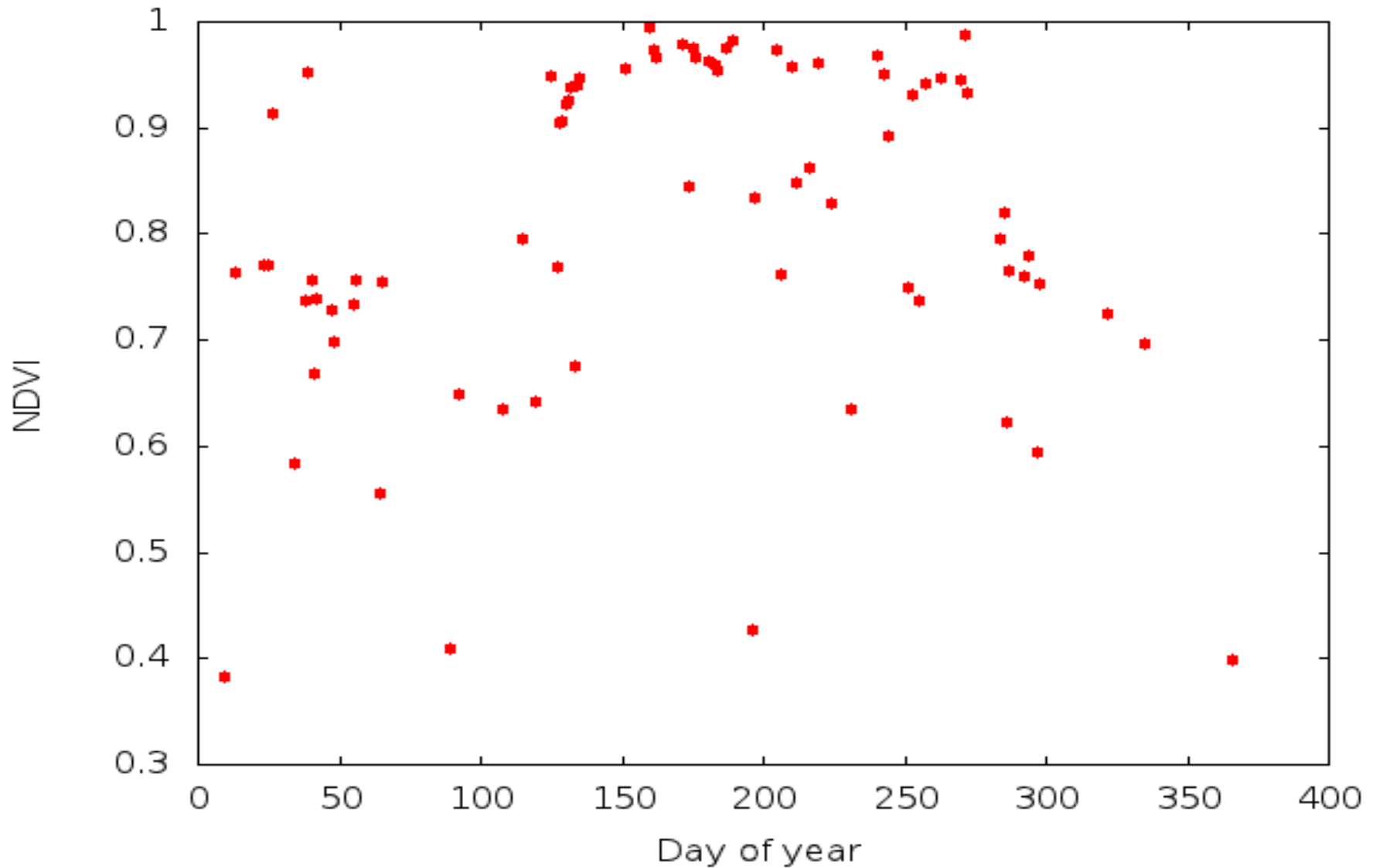
Hainich – EOLDAS

Hainich webcam observations

Data courtesy of Knohl, Kolle &
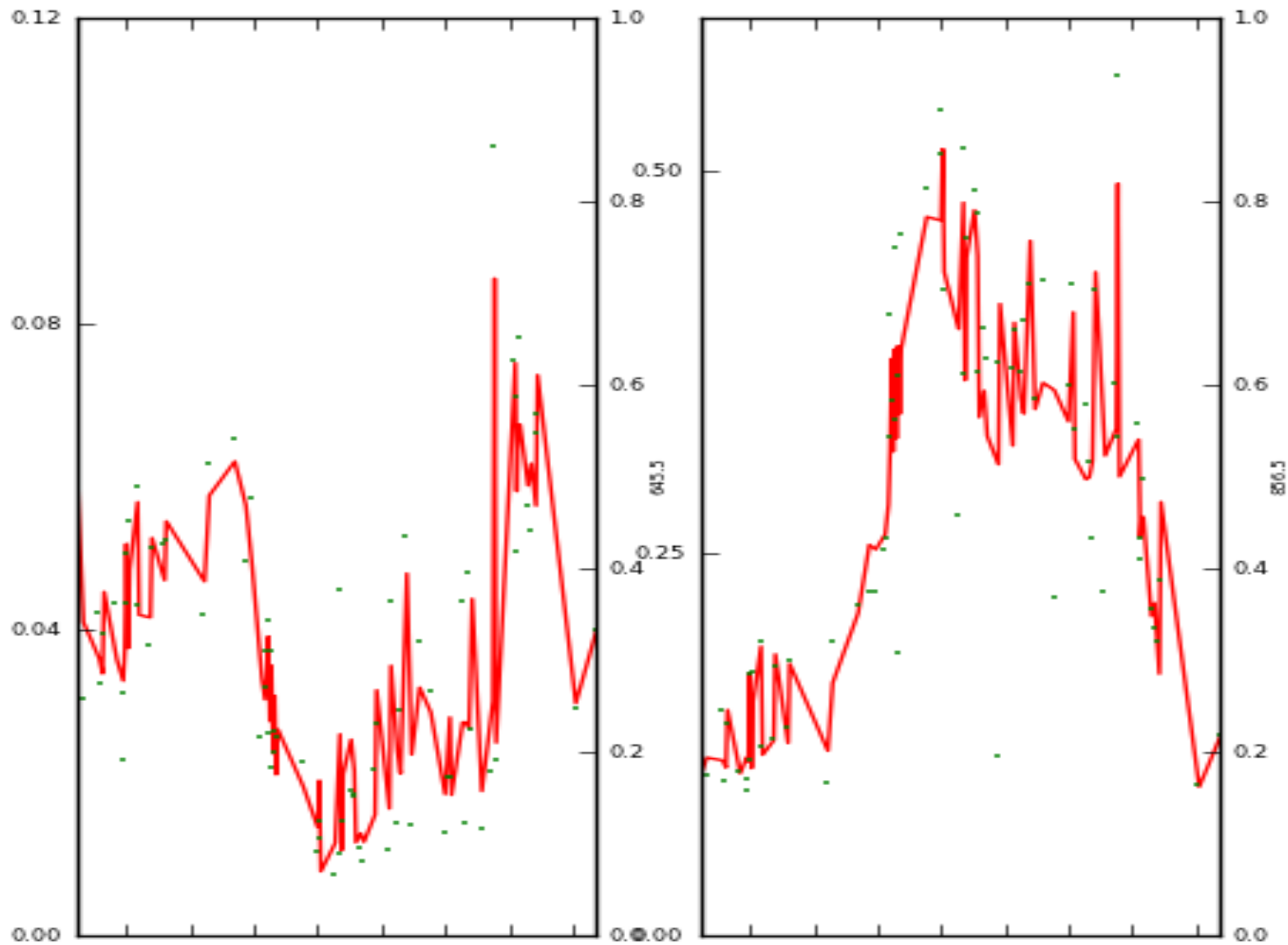Werner
Plot courtesy of Wingate
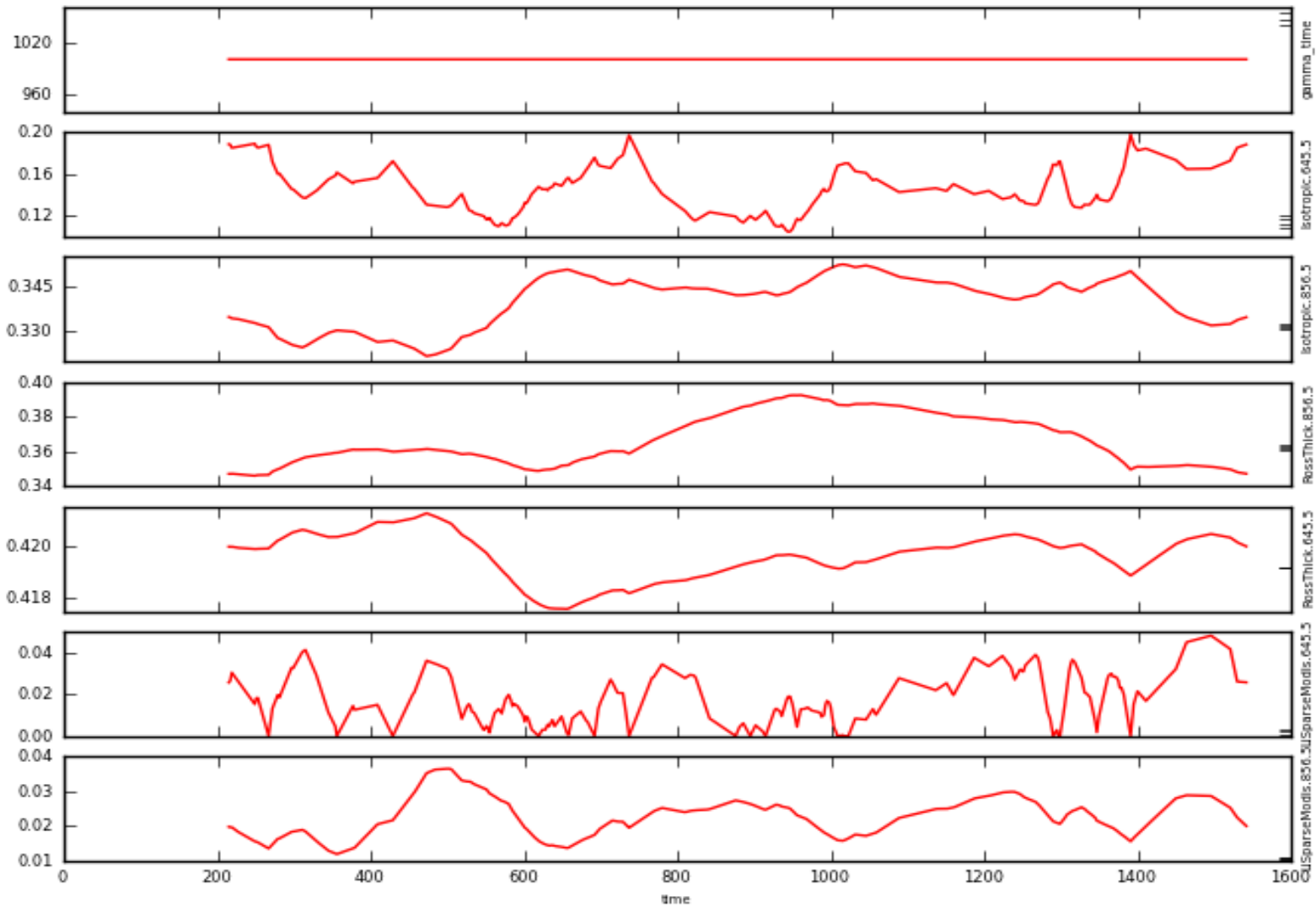
Hainich webcam observations

Data courtesy of Knohl, Kolle &
Werner
Plot courtesy of Wingate

Hainich

Test case 2: Tapajos

Issues

- Configuration file
  - Very flexible, but...
  - Consequently can become quite complex

- Mechanism for terminating runs
  - Sometimes runs are clearly not progressing
  - Would be nice if plots and outputs could be generated on receipt of a kill signal