CLIK – off line

your own personal downscaler

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Test - Step 1

Connecting to 31 server

- IP adress: 210.98.49.31
- login and password are the same

Copy bash.rc & DFT codes

>> cp /scratch01/cptp/cptp28/.bashrc .
>> bash
>> mkdir ForCLIK
>> cd ForCLIK
>> cp –r /scratch01/cptp/cptp28/ForCLIK /CLIK_offline .

Test - Step 2

Run the test script

> cd CLIK_offline/code

> ruby ex1.rb

Change options

- cp ex1.rb ex2.rb
- vi ex2.rb

- START_MON & MONTH, (SEP -> DEC. etc…)
- PREDICTOR (ex. SLP, T850, PREC, U850, etc..)
- ZOOM_WINDOW -> downscaling region

Your own station data

Converting to format

- Convert your station data to netcdf format
- see ruby+ncl script under the directory “CLIK_offline”
- stn_to_nc.rb and stn_to_nc.ncl
- copy both to your working directory, edit stn_to_nc.rb

Your own station data

Editable portions of stn_to_nc.rb

```
stn_data_file = "fakedata.txt" # name of station data file
temp_dir = "Temp" # name of a directory to be used
# as a temporary directory
# make sure this is a new directory
start_year = 1982
end_year = 2006
start_mon = 1
end_mon = 12
variable = "prec"
unit = "mm/month"
missing_value = -9999
outfile = "test.nc" # will be deleted if present
ncl_script = "./stn_to_nc.ncl"
```

Installing
CLIK off – line
in your laptop

Step 0 - I assume your Linux machine runs Ubuntu

Step 1 - Install ruby

apt-get install ruby

Step 2 - Download NCL

sftp khan@env-224b.u-aizu.ac.jp

login: khan

password: khan

get ncl_ncarg-6.0.0.Linux_Debian_i686_nodap_gcc432.tar.gz

or “get ncl_ncarg*.*”

Step 3- Install NCL

mkdir /usr/local/NCL6.0

cd /usr/local/NCL6.0

tar xvf ~/ncl_ncarg-6.0.0.Linux_Debian_i686_nodap_gcc432.tar.gz

Step 4 - Download CLIK_offline

sftp env-224b.u-aizu.ac.jp
login: khan
password: khan

get for_clik.tgz or get for*.*

Step 5 - Install CLIK_Offilne
cd
tar xvf for_clik.tgz

Step 6 - Configure your system
- sftp sample.bashrc following previous instruction
- cp sample.bashrc .bashrc
- to affect the new bash file -> bash .bashrc

Set up environmental variables

- Add these to the ".bashrc" file located in your home directory
- export AFS2 = $HOME/AFS2
- export DFT = $HOME/DFT