



The Abdus Salam
**International Centre
for Theoretical Physics**
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Readme for Day-1 tutorial

The Day-1 tutorial explores changes in high-latitude mean precipitation. Details of the dataset and the analysis can be found in Zhang et al, 2014, submitted. Please contact Xuebin Zhang (Xuebin.Zhang@ec.gc.ca) for details.

To run the tutorial code, change directories to the directory DA_high_lat_precip, start `R`, and issue the command

```
source("main.r")
```

The tutorial uses the Environment Canada detection and attribution package, `ECOF_V1.r`, which provides R implementations of the `ols`, `tls`, and `rof` (regularized optimal fingerprinting) detection and attribution methods. See the `readme` in the `DA_high_lat_precip` directory for further details.