

# proctool\_owl\_v2.1

## AisaOWL pre-processing tool

### quick operation instructions - Linux

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*Doc.Ver. 1.0*

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#### Scope

This is an extension of the AisaOWL pre-processing tool quick operation instructions for Windows to Linux version. Operation of the tool does not differentiate from Windows version.

#### Owl data processing in Linux

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1. Download Matlab Compiler Runtime 8.3 (MCR)

[http://www.mathworks.se/supportfiles/downloads/R2014a/deployment\\_files/R2014a/installers/glnxa64/MCR\\_R2014a\\_glnxa64\\_installer.zip](http://www.mathworks.se/supportfiles/downloads/R2014a/deployment_files/R2014a/installers/glnxa64/MCR_R2014a_glnxa64_installer.zip)

2. Install MCR to the processing computer. Here are the installation instructions:

<http://www.mathworks.se/help/compiler/working-with-the-mcr.html#bs5vv3i>

3. Set the MCR environment variables

\* In the end of the installation process the installer displays configuration notes for the target computer.

4. the processing tool is run in the same way as Windows tool

\* Example screenshot

```
Processing : proctool_owl_2_ - Konsole
File Edit View Bookmarks Settings Help
[repe@localhost Processing]$ ls .
proctool_owl_2_2 sensor.dat
[repe@localhost Processing]$ ls ../OWL3_150-14_2014-05-30_16-22-38/capture/
OWL3_150-14_2014-05-30_16-22-38.hdr      T1_OWL3_150-14_2014-05-30_16-22-38.raw
OWL3_150-14_2014-05-30_16-22-38.nav    T2_OWL3_150-14_2014-05-30_16-22-38.hdr
OWL3_150-14_2014-05-30_16-22-38.raw    T2_OWL3_150-14_2014-05-30_16-22-38.raw
T1_OWL3_150-14_2014-05-30_16-22-38.hdr
[repe@localhost Processing]$ ./proctool_owl_2_2 ../OWL3_150-14_2014-05-30_16-22-38/
proctool_owl ver 2.2 (c) Specim 30.05.2014

Source file: ../OWL3_150-14_2014-05-30_16-22-38/capture/OWL3_150-14_2014-05-30_16-22-38.raw
Phase: 0/6 - Radiometric calibration.
Blackbody measurement 1(T=288.15K): ../OWL3_150-14_2014-05-30_16-22-38/capture/T1_OWL3_150-14_2014-05-30_16-22-38.raw
Blackbody measurement 2(T=333.15K): ../OWL3_150-14_2014-05-30_16-22-38/capture/T2_OWL3_150-14_2014-05-30_16-22-38.raw

Read files...
10% 20% 29% 39% 49% 59% 68% 78% 88% 98%
10% 20% 29% 39% 49% 59% 68% 78% 88% 98%

Calculate radiometric coefficients...
10% 20% 29% 39% 49% 59% 69% 78% 88% 98%
```