

# Prescribed-RadHt workflow

## Step #1

Run control with monthly, average output

```
FINCL1 = 'QRL', 'QRS', 'FSNT', 'FLNT', 'FSNS', 'FLNS'
```

## Step #2

Process mean radiative heating data

Run multistep process mean radiation bash script using climatological data

```
bash template_pmr.YYYYMMDD.control.RESOLUTION.MACHINE.sh
```

## Step #3

Run cloud-locking experiment adding following `user_nl_cam` entries

```
presc_radheat_datapath      = '/path/to/radheat_data/'  
presc_radheat_file         = 'rad_heat_data_file.nc'  
presc_radheat_type         = 'CYCLICAL'  
presc_radheat_num_file_years = 1.0  
presc_radheat_input_dtime  = 0.
```