# Prescribed-CRE workflow

**Step #1**
**Run control with monthly, average output**

```
FINCL1 = 'QRL',  'QRS',  'FSNT',  'FLNT',  'FSNS',  'FLNS',
         'QRLC', 'QRSC', 'FSNTC', 'FLNTC', 'FSNSC', 'FLNSC'
```

**Step #2**
**Process mean radiative heating data**

**Run multistep process mean CRE bash script using climatological data**
```
bash template_pmcd.YYYYMMDD.control.RESOLUTION.MACHINE.sh
```

**Step #3**
**Run cloud-locking experiment adding following `user_nl_cam` entries**

```
presc_cre_datapath      = '/path/to/cre_data/'
presc_cre_file          = 'cre_data_file.nc'
presc_cre_type          = 'CYCLICAL'
presc_cre_num_file_years = 1.0
presc_cre_input_dtime   = 0.
```