Nov 18, 2026

2026 CLM Tutorial

Daily logistics

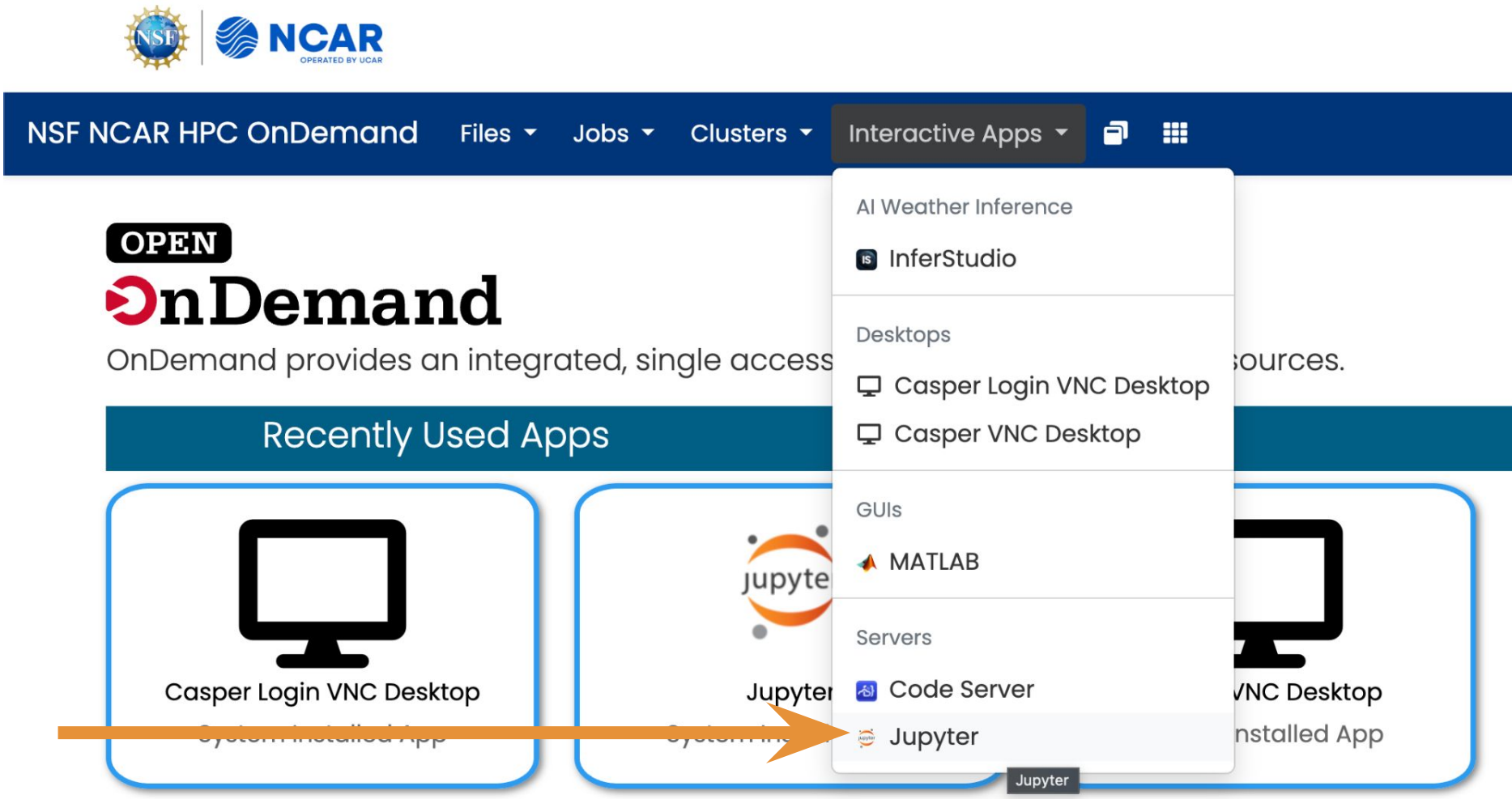
NCAR CGD

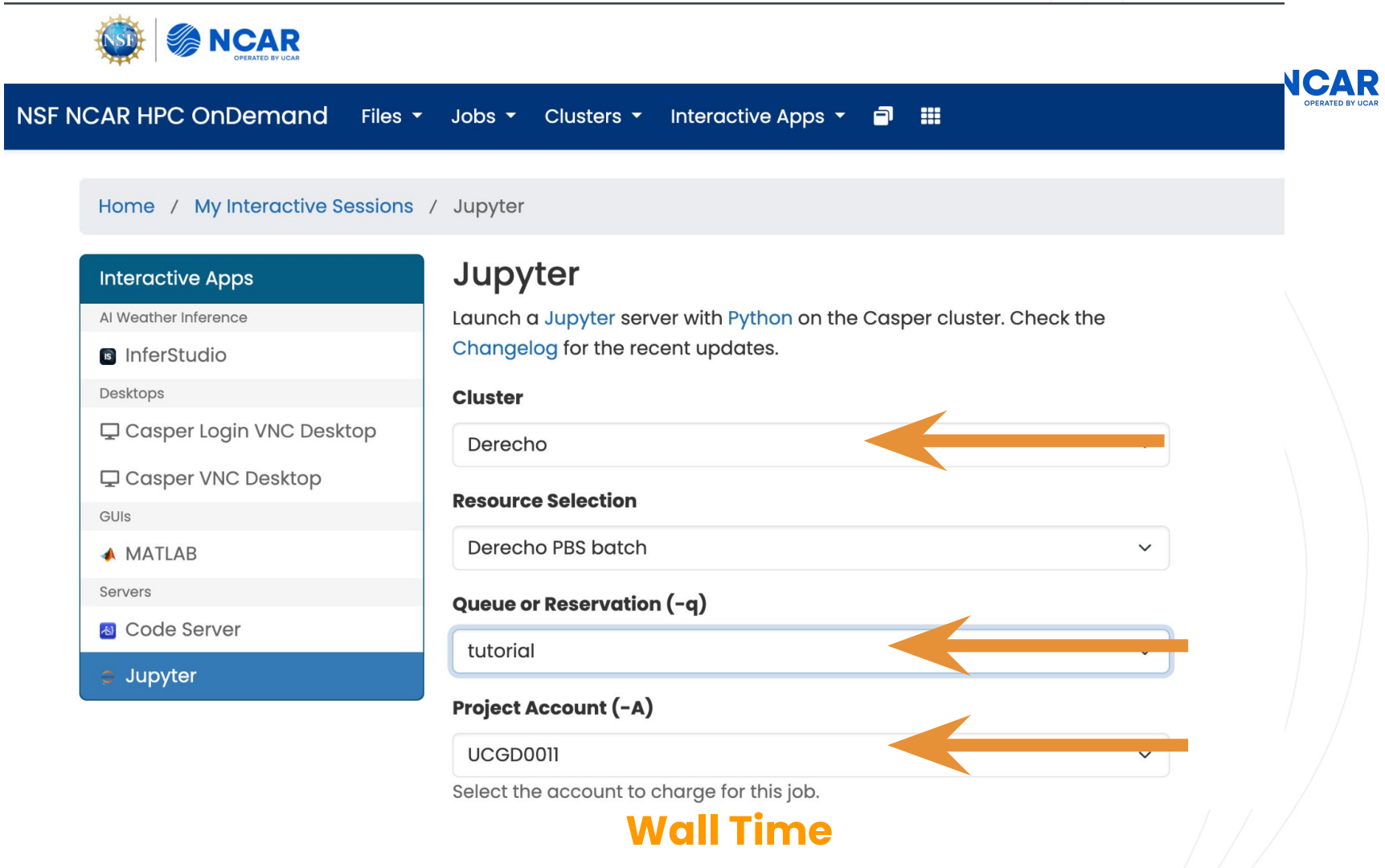
Material notes duis aute irure in reprehenderit velit esse dolor ex commodo magna lorem sit ipsum dolor nonummy aliquip cilum ut labore et dolore. Mattis elementum gravida eget consequat imperdiet sed. Mi erat hac urna facilisis facilisis.

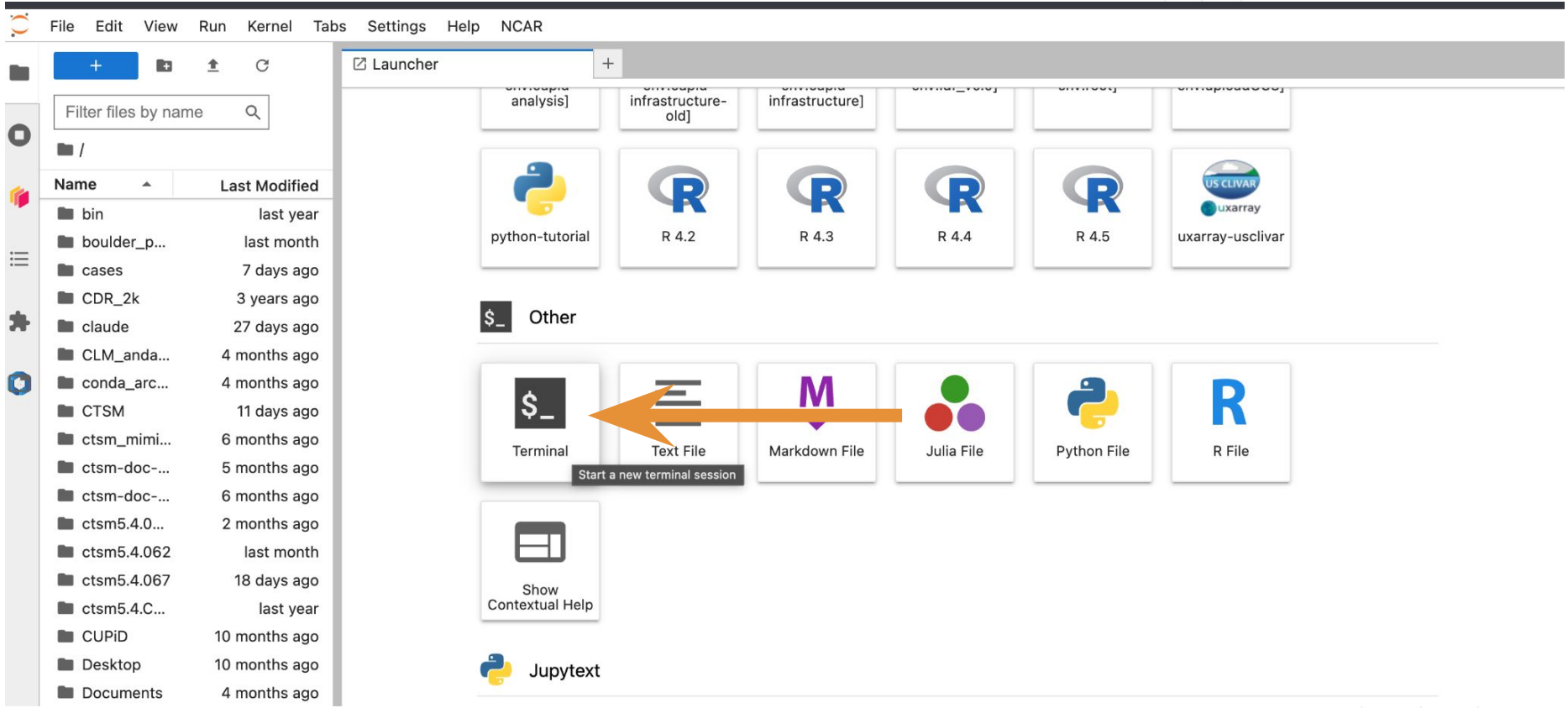


Agenda

8:25-8:30	Daily logistics
8:30-9:15	Spinup and Data assimilation (*Daniel Kennedy* & Brett Raczka**)
9:15-9:30	Break (coffee + snack)
9:30-10:15	Parameter Calibration & Machine Learning (*Linnia Hawkins & Katie Dagon*)
10:15-10:30	Break (snacks)
10:30-10:45	Intro to Lab: Single point (*Sam Rabin*)
10:45-12:00	Lab exercises (Library)
12:00-1:15	Lunch on your own + activities • 12:00-1:00: ML Public tour (Meet at noon front door) • 12:15-1:00: Meet an expert (Breakout rooms to be assigned, *Dave Lawrence, Linnia Hawkins, Sam Rabin, Katie Dagon, Sam Levis*)
1:15-2:00	Fire, MEGAN, Dust, Ozone (*Sam Rabin & Danica Lombardozzi*)
2:00-2:15	Break
2:15-2:25	Lab exercises check in
2:25-4:20	Lab exercises (Library)
4:25-4:35	Daily debrief


NSF NCAR
OPERATED BY UCAR
NSF NCAR HPC OnDemand
Files
Jobs
Clusters
Interactive Apps
OPEN
OnDemand
OnDemand provides an integrated, single access
sources.
Recently Used Apps
Casper Login VNC Desktop
Jupyter
VNC Desktop
nstalled App
AI Weather Inference
InferStudio
Desktops
Casper Login VNC Desktop
Casper VNC Desktop
GUIs
MATLAB
Servers
Code Server
Jupyter
Jupyter


NSF NCAR
OPERATED BY UCAR
NCAR
OPERATED BY UCAR
NSF NCAR HPC OnDemand
Files
Jobs
Clusters
Interactive Apps
Home / My Interactive Sessions / Jupyter
Interactive Apps
AI Weather Inference
InferStudio
Desktops
Casper Login VNC Desktop
Casper VNC Desktop
GUIs
MATLAB
Servers
Code Server
Jupyter
Jupyter
Launch a Jupyter server with Python on the Casper cluster. Check the Changelog for the recent updates.
Cluster
Derecho
Resource Selection
Derecho PBS batch
Queue or Reservation (-q)
tutorial
Project Account (-A)
UCGD0011
Select the account to charge for this job.
Wall Time

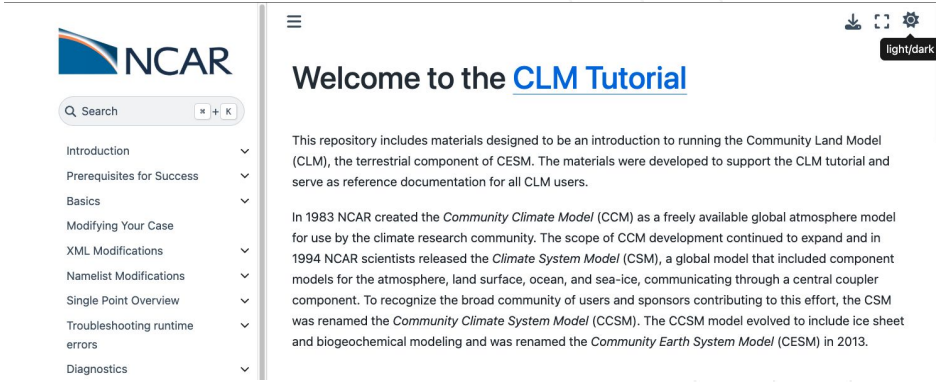


Pros: More intuitive interface, Simpler than vs code

Cons: Slow to get onto derecho

Lab Documentation

https://ncar.github.io/CLM-Tutorial/README.html



Rough guidelines for the lab

Mon: CLM basics
Tues: Modifying your experimental design
Weds: Single point
Thurs: Diagnostics lab:

BUT

This is a **self-paced lab.**
We all come from different backgrounds. Some people will move faster, and some will move slower. It's completely okay.