

## 3D modeling solar flares

Select AR, date, time

Download full-disk  
Vector magnetograms

Transform Vector magnetograms  
to the region of interest

Add LOS maps

Create magnetic extrapolation  
PF / NLFFF

## 3D modeling Active Regions

Reprocess magnetic data cube to  
find (B, L) pairs for each voxel

Apply a parametric heating model  
to the data cube

Add chromospheric model

