**Long Talk:**

Intro- 30 secs

Name, year in atoc, etc

Repeat title in own words

Highlights- 30 secs

Need to stress main two points: first time clouds heights have been measured, how convective clouds and mixing are bigger factors than previously thought.

Background- 1 min 30 secs

Mention eyewall and boundary layer- can cut out details here if low on time

Mention how other tech hasn’t observed cloud top heights

Give model for previous eye inversions -> mention how we’ll update (optional)

Methods- jump from this paragraph frequently

Mention how everything is plotted on one distance axis, then explain figure 1

Figure 1- 2 mins

Mention date, time, storm name for case study

Why this case was chosen (optional)

Briefly mention what each panel is; sat, height dist, radar, lidar, in situ

Mention how dark regions rep attenuation, etc

Don’t explain what it shows yet

Figure 2- 1 min

cloud top algorithm intro

difference between clouds and rain

Figure 3 and table 2- 2 mins

Mention number of cases, how they’ve been broken up

Mention how plot was created

Talk about why the distributions look like this

Talk about mean heights and clear air within table

Discussion- 1 min

Mention case study- rh and rain asymmetries leading to small convective cells

Eye convection confirmed by small positive updrafts in fl data and vels in radar data

Summary- 1 min

**Short talk:**