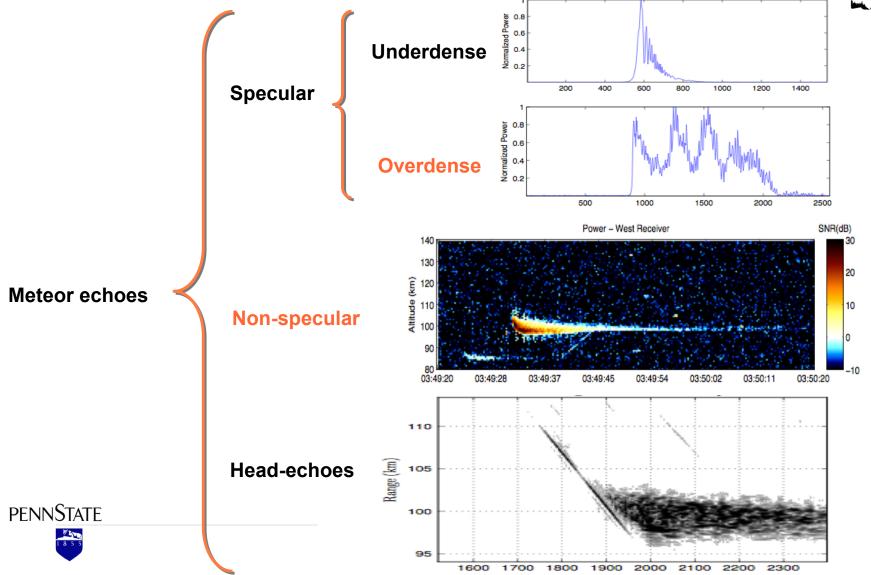
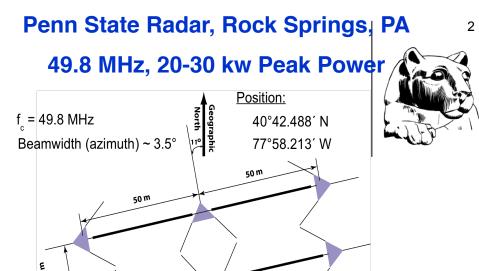
## What does a RADAR detect?

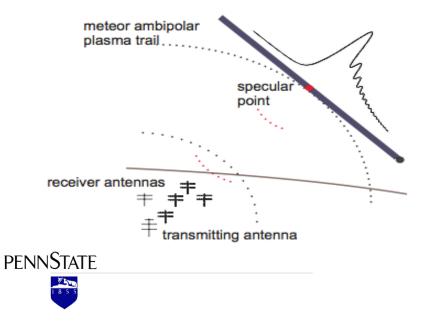






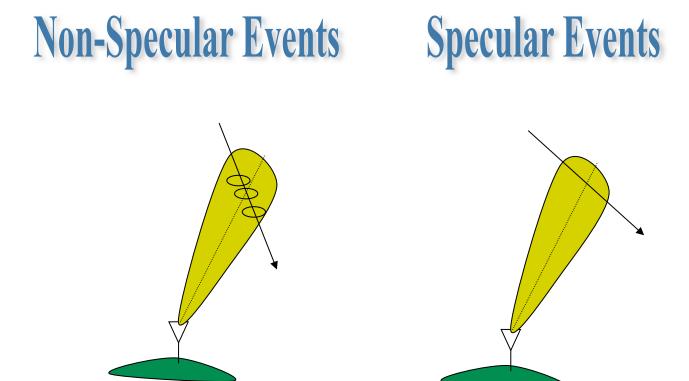


5.5



## Jicamarca Observatory, Lima - Peru





- Non-specular trails are reflections from turbulent meteor plasma that occur at an arbitrary angle as long as the radar points perpendicular to B
- They result in longer duration echoes due to the instabilities which can last several seconds or more
- They span larger altitude ranges due to the FAI reflection

PENNSTATE



 Specular trails are generated when a meteoroid passes perpendicular to the radar beam 3

 They are observed as less than one second duration echoes from a single range