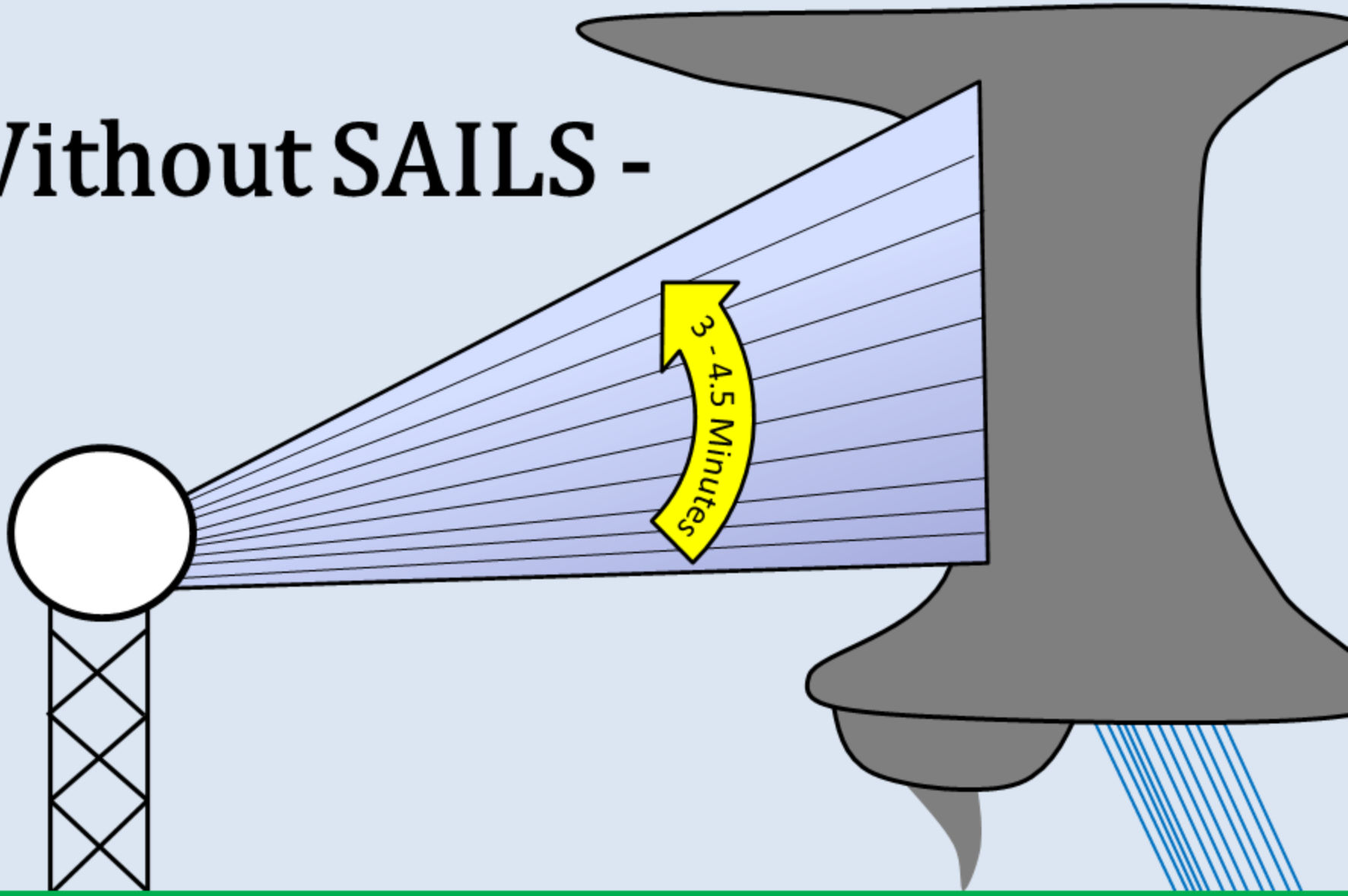
New Upgrade to Our Doppler Radar!

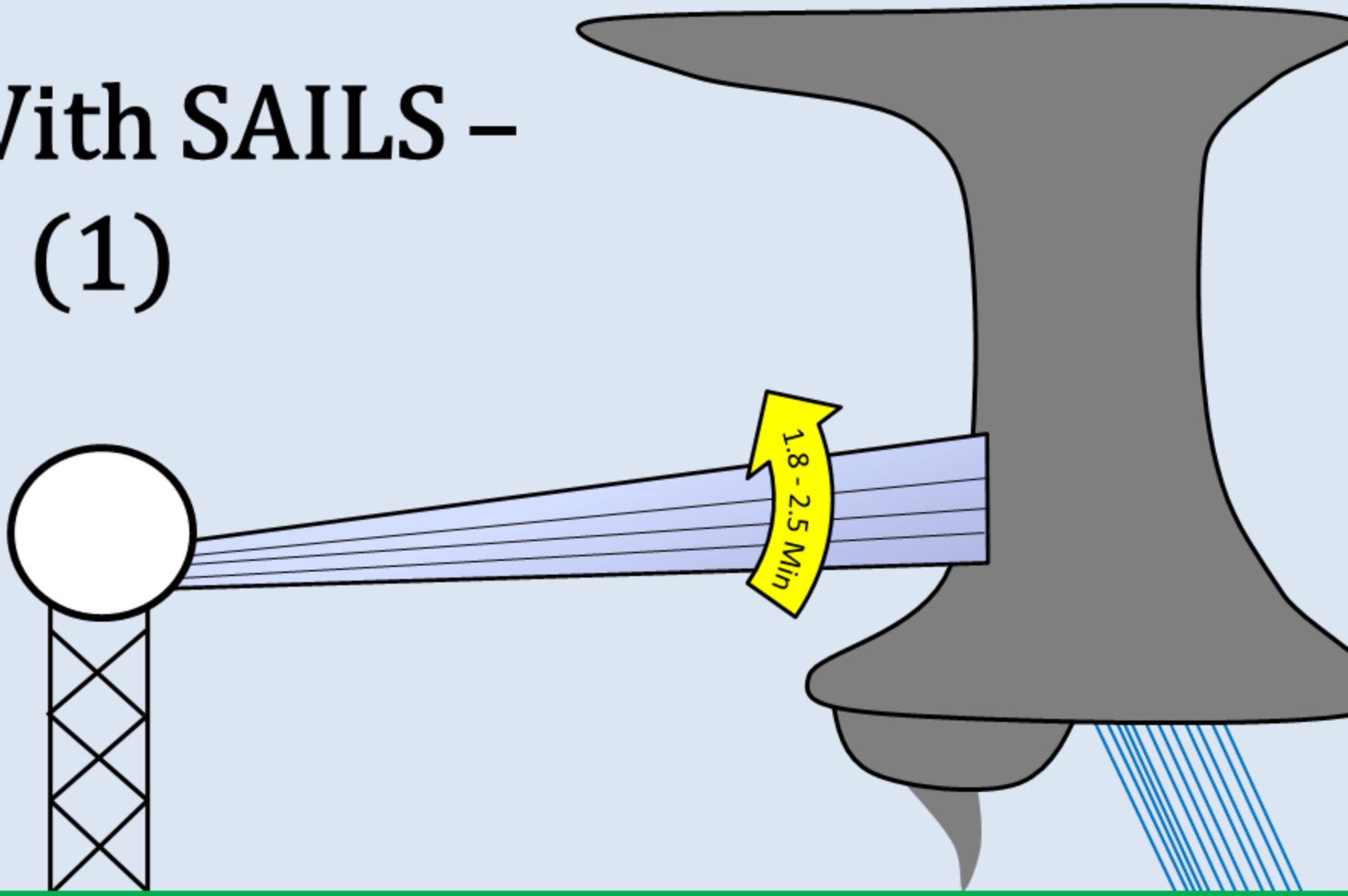
- SAILS (Supplemental Adaptive Intra-Volume Low-Level Scan) cuts the time between scans for the lowest level by half, from about 4 minutes to about 2 minutes
- This will help radar operators detect rapidly-developing low-level rotation, such as occurred in the University City tornado on April 3, 2014
- SAILS became operational on June 17, 2014

Without SAILS -



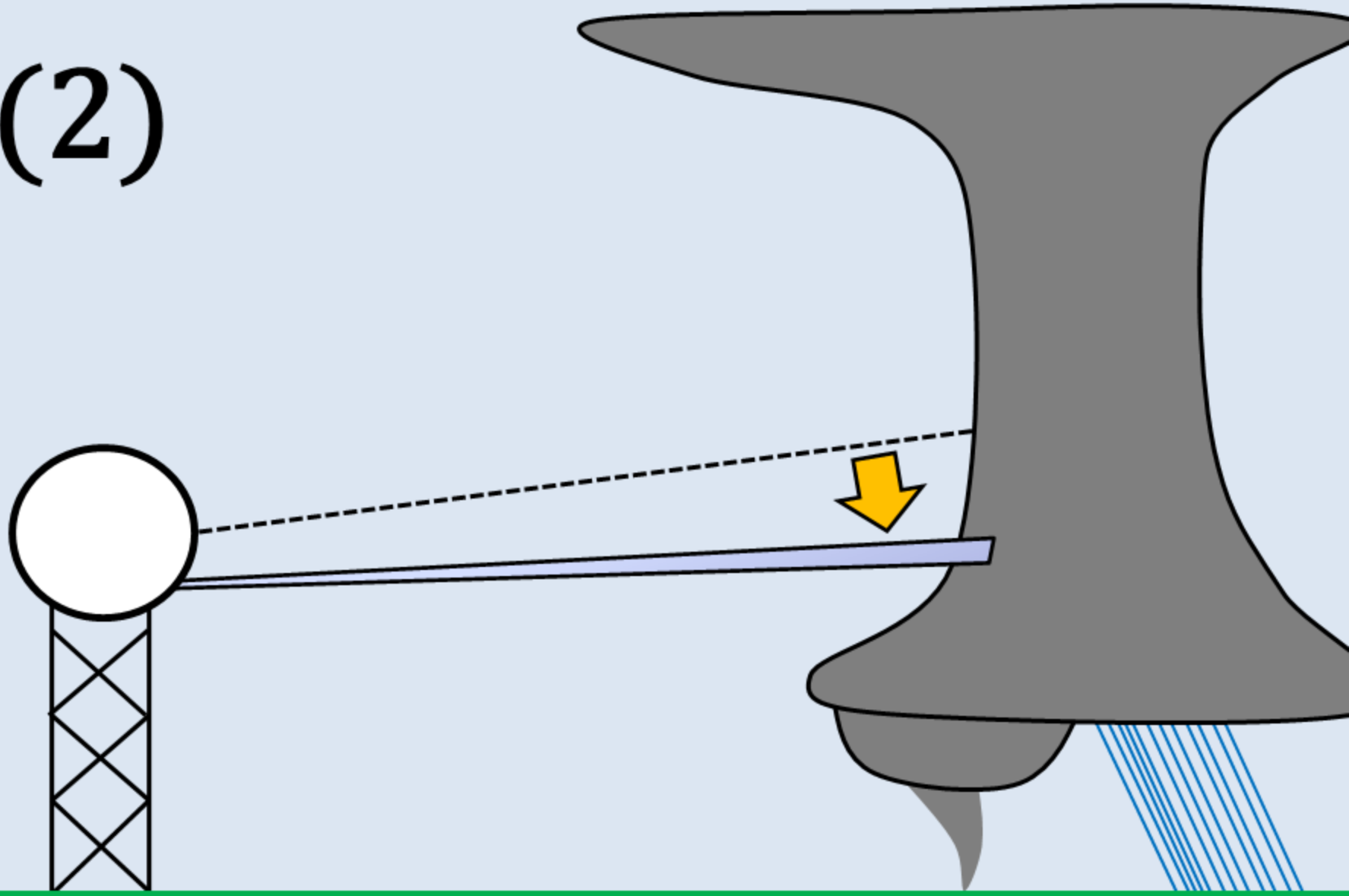
Radar beam would start at 0.5 degrees and progressively scan upward until it reached the top of the storm (or 19.5 degrees)

With SAILS – (1)



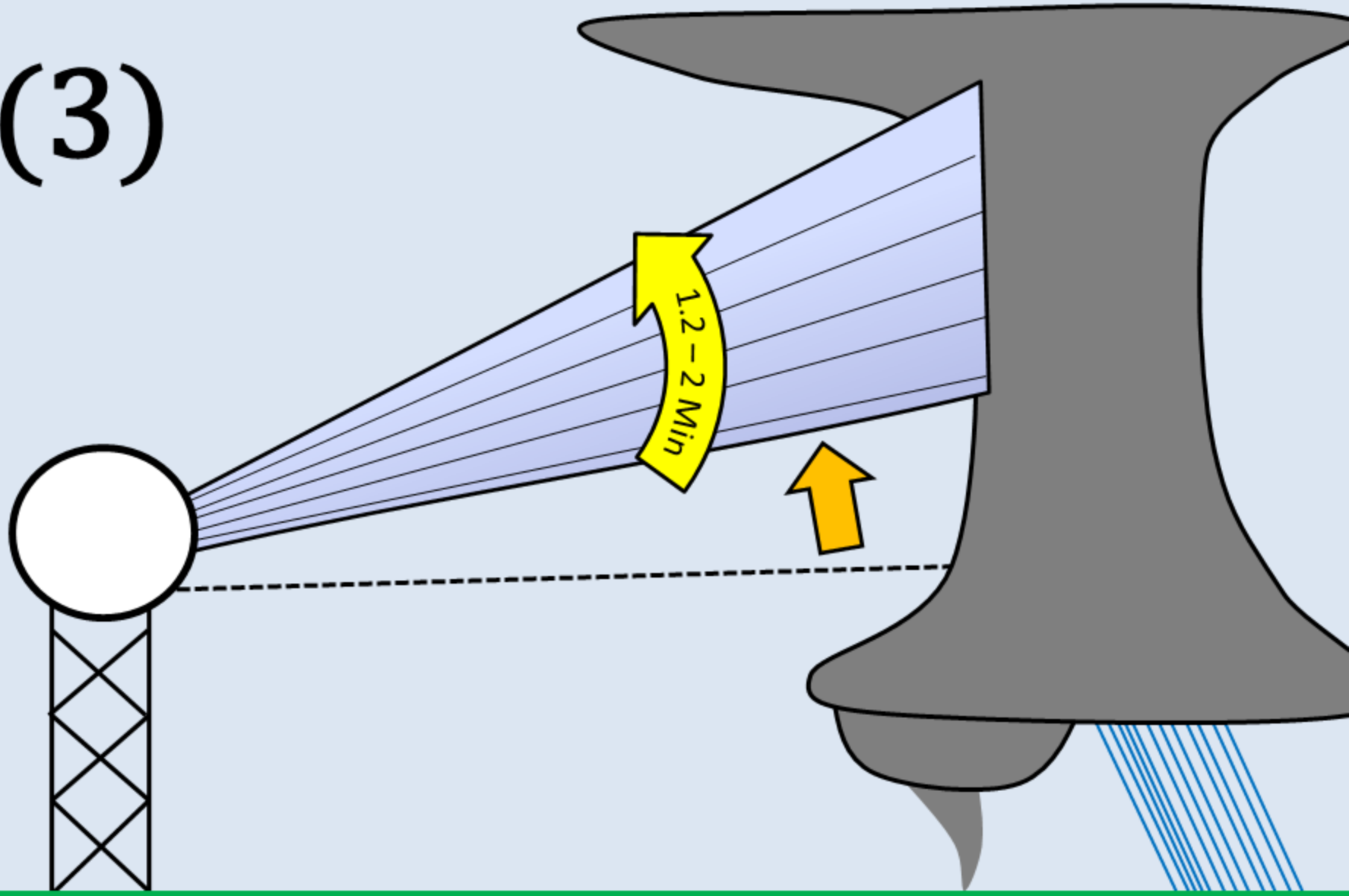
Radar beam will start at 0.5 degrees and scan up to between 1.8 and 3.1 degrees…

(2)



And then drop to 0.5 degrees to complete one scan…

(3)



And then return to where it left off to complete the scan.