DME
Distance Measuring Equipment

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DME
The big question is...
How far away am I?
DME Overview

DME Basics
What DME is
How DME works
Examples of DME displays
DME Slant Range
DME Basics

- Aircraft DME transceiver (transmitter/receiver) measures distance from DME station
  - DME ground station often co-located with VOR ground station
  - Accurate within three percent
  - Aircraft must have DME transceiver
    - (extra radio- more than basic VOR)
  - On some aircraft, VOR and DME selection is paired and automatic, select VOR and get DME at same time
How DME Works

- Aircraft DME transceiver sends signal to DME Ground Station
- DME Ground Station sends DME signal back to aircraft DME transceiver
- Aircraft DME transceiver measures send-receive time delay
- Converts delay into distance
- Displays DME on DME indicator
SLANT RANGE

- DME measures distance in slant range
- Slant range = straight-line-of-sight

- Directly over the station DME measures height above ground
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Works Cited

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