



National Transportation Safety Board

Landing Accident
UPS 1354, A300
Birmingham, AL
August 14, 2013

Dr. Dan Bower
Investigator in Charge



Initial Information

- Part 121 cargo flight from Louisville, Kentucky
- Scheduled arrival at 0450 local
- Reported weather at the time of arrival
 - broken clouds at 1000 feet (above ground)
 - overcast at 7500 feet
 - calm winds
 - 10 miles visibility

Sequence of Events

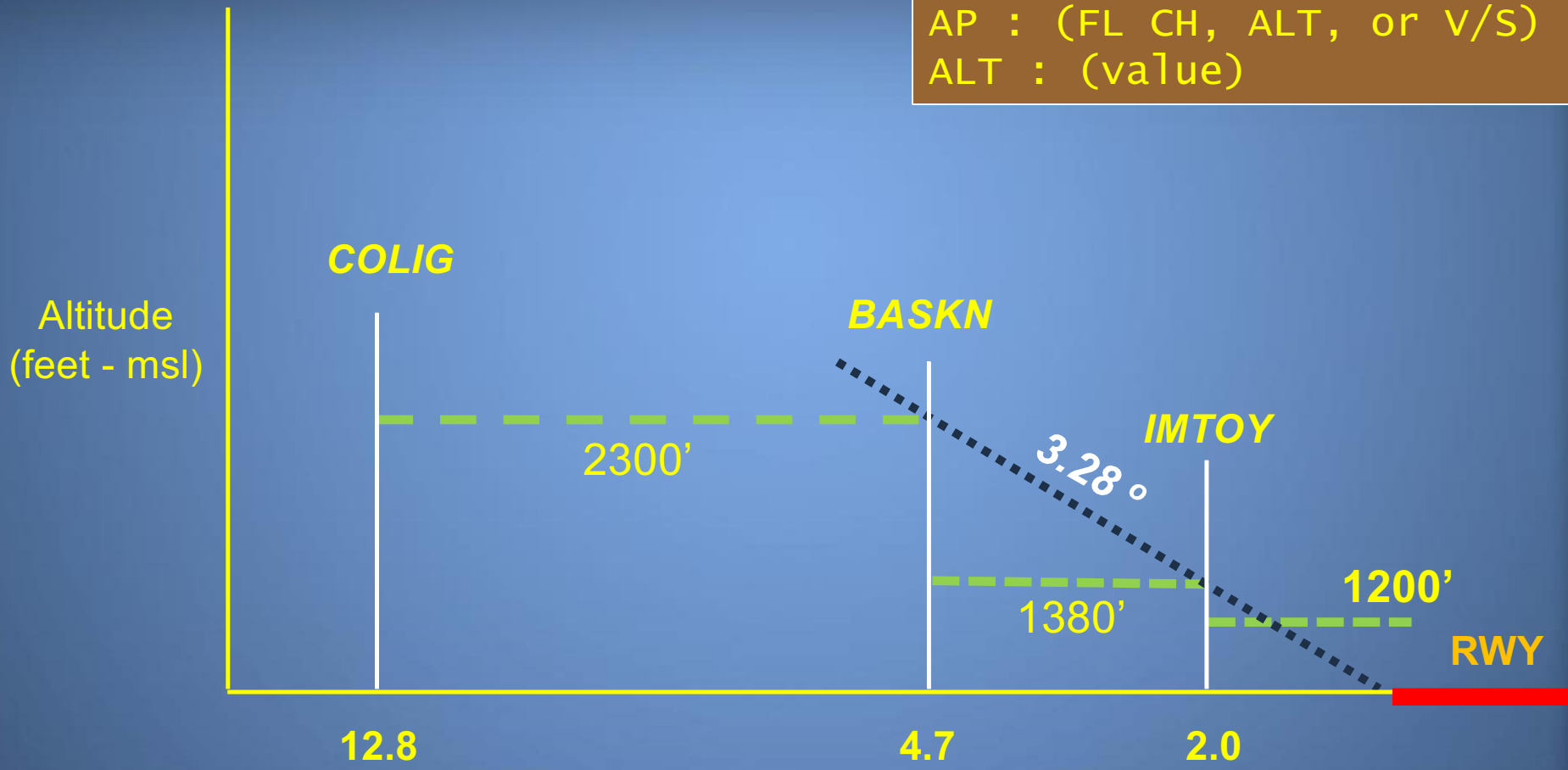
- Captain: pilot flying; FO: pilot monitoring
- Runway 6/24 was closed for repairs between 0400 and 0500
- Flight was dispatched with planned approach to Runway 18
- Captain briefed the Localizer Approach to runway 18

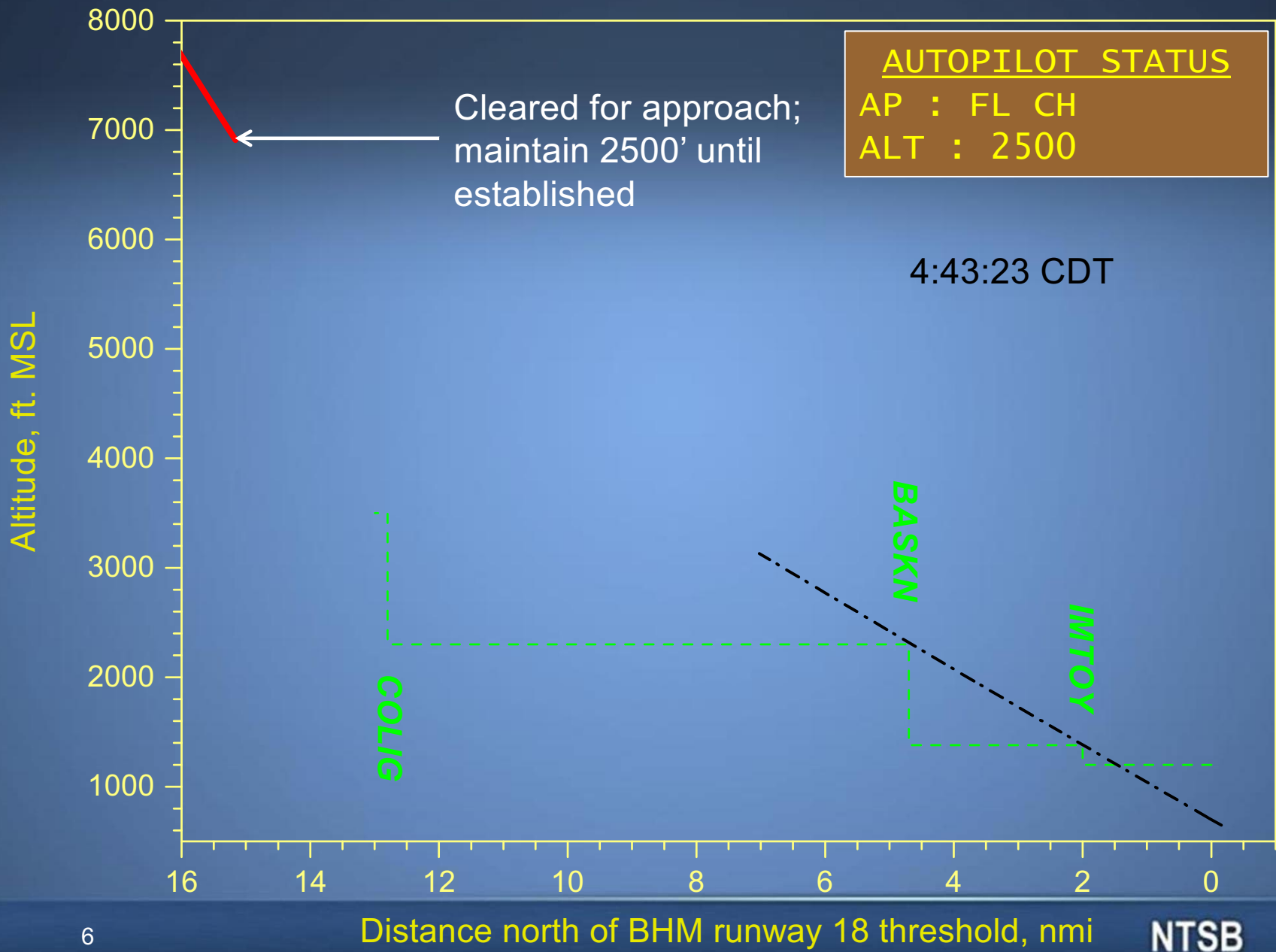
Sequence of Events

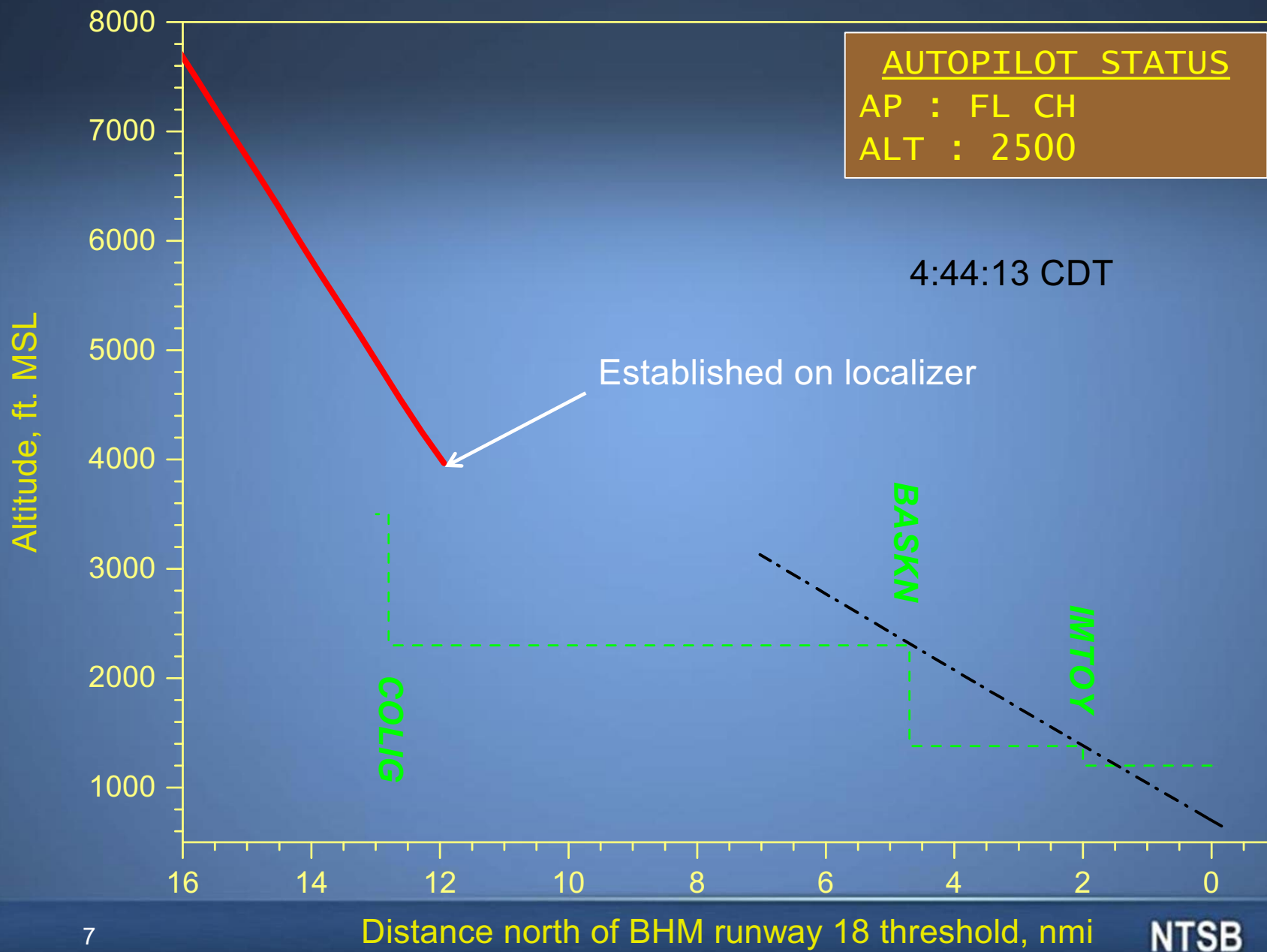
- Localizer Runway 18 approach to BHM is a **Non Precision Approach** :
 - Utilizes lateral guidance from airport (localizer)
 - Vertical guidance is provided by the flight management computer on the airplane.

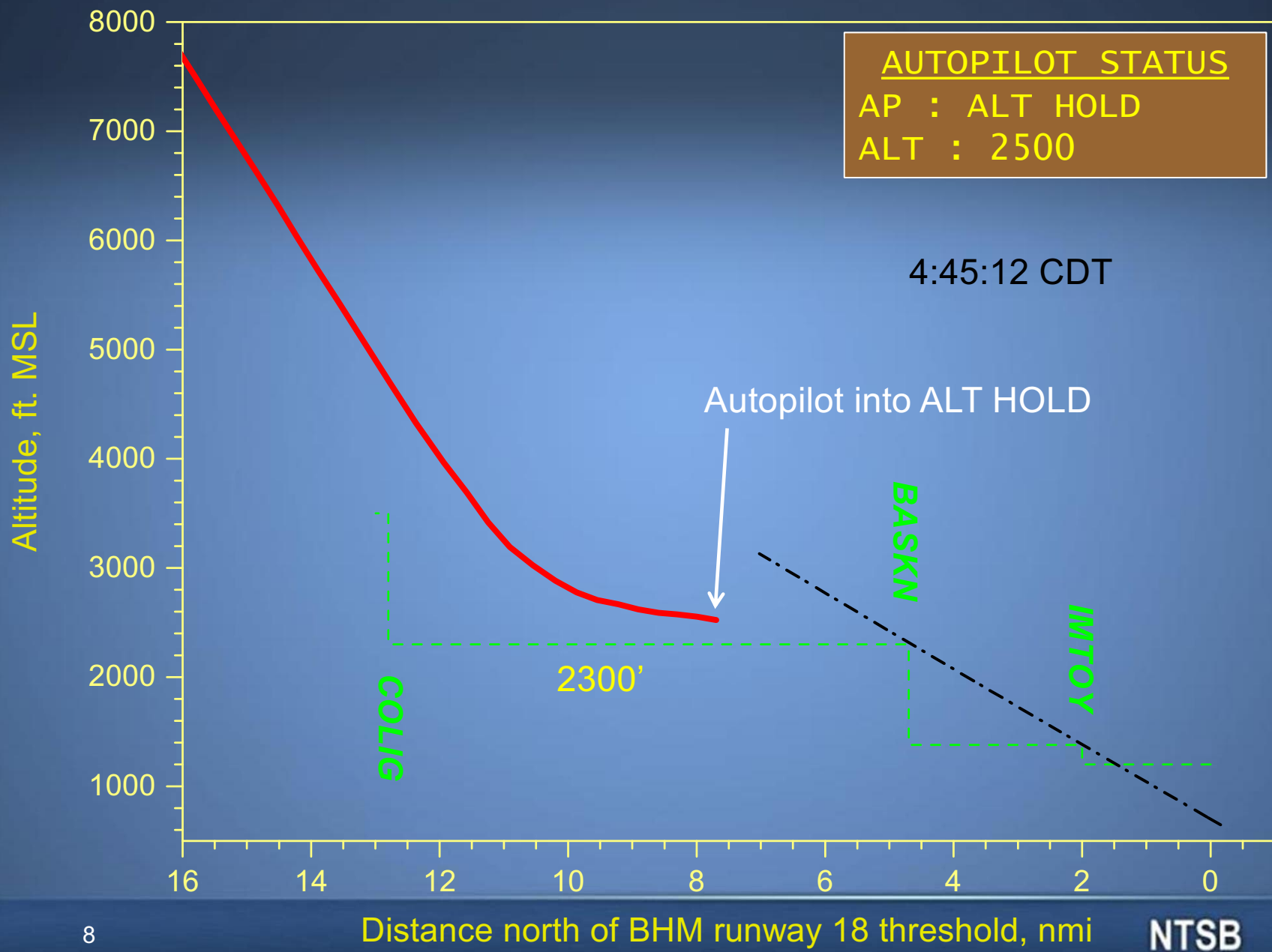
Vertical Path Defined By Approach Points

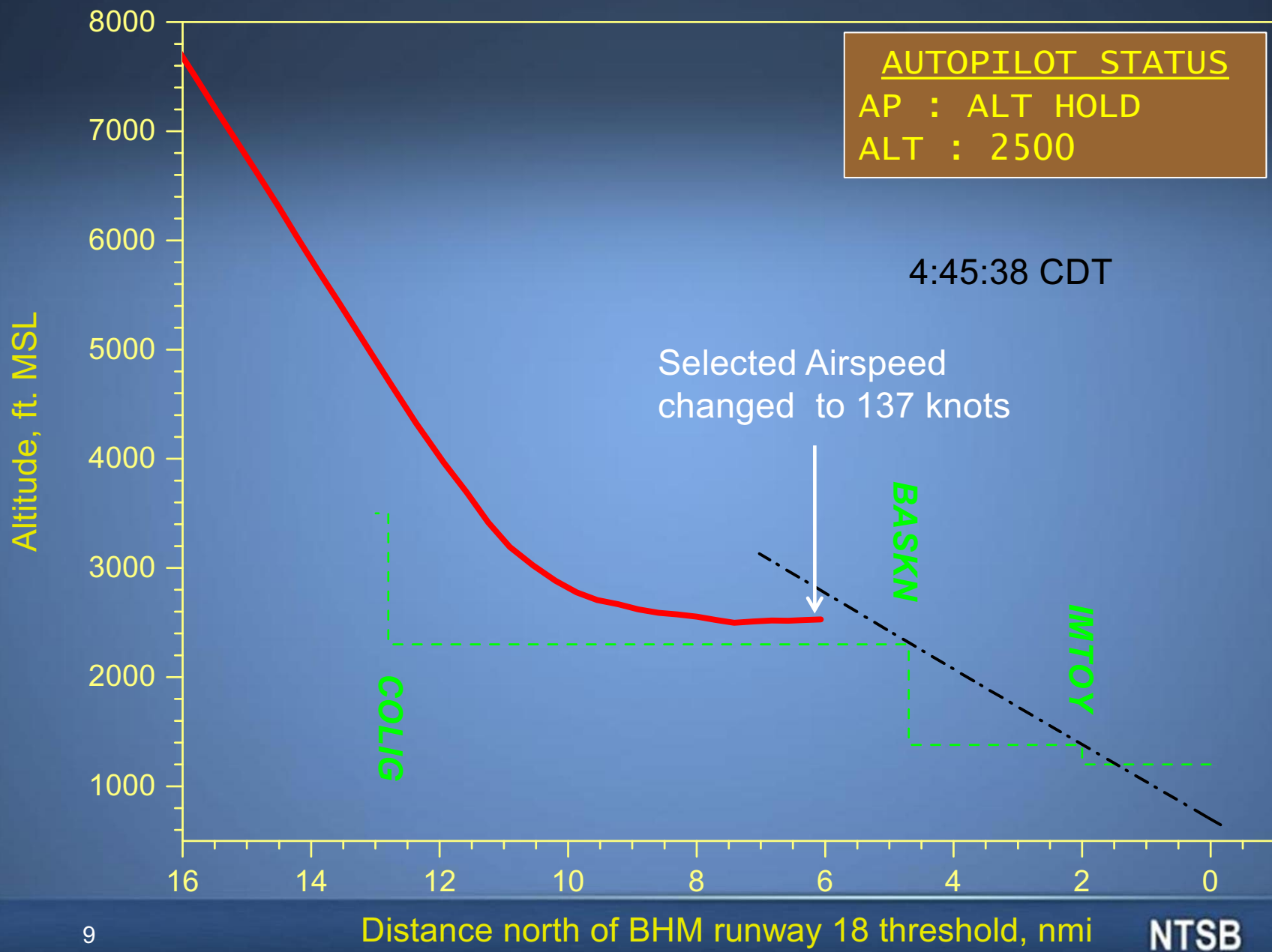
AUTOPILOT STATUS
AP : (FL CH, ALT, or V/S)
ALT : (value)

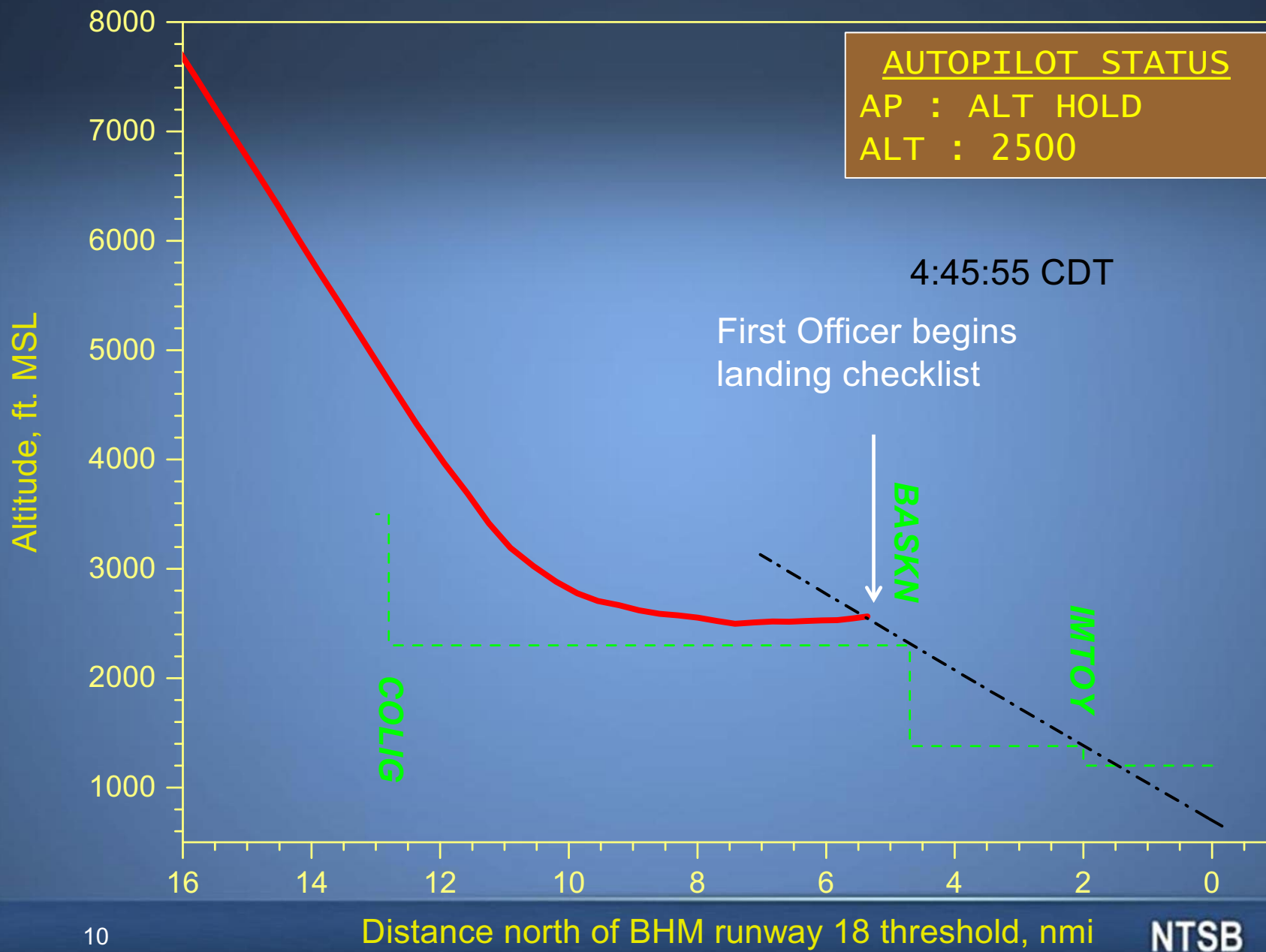


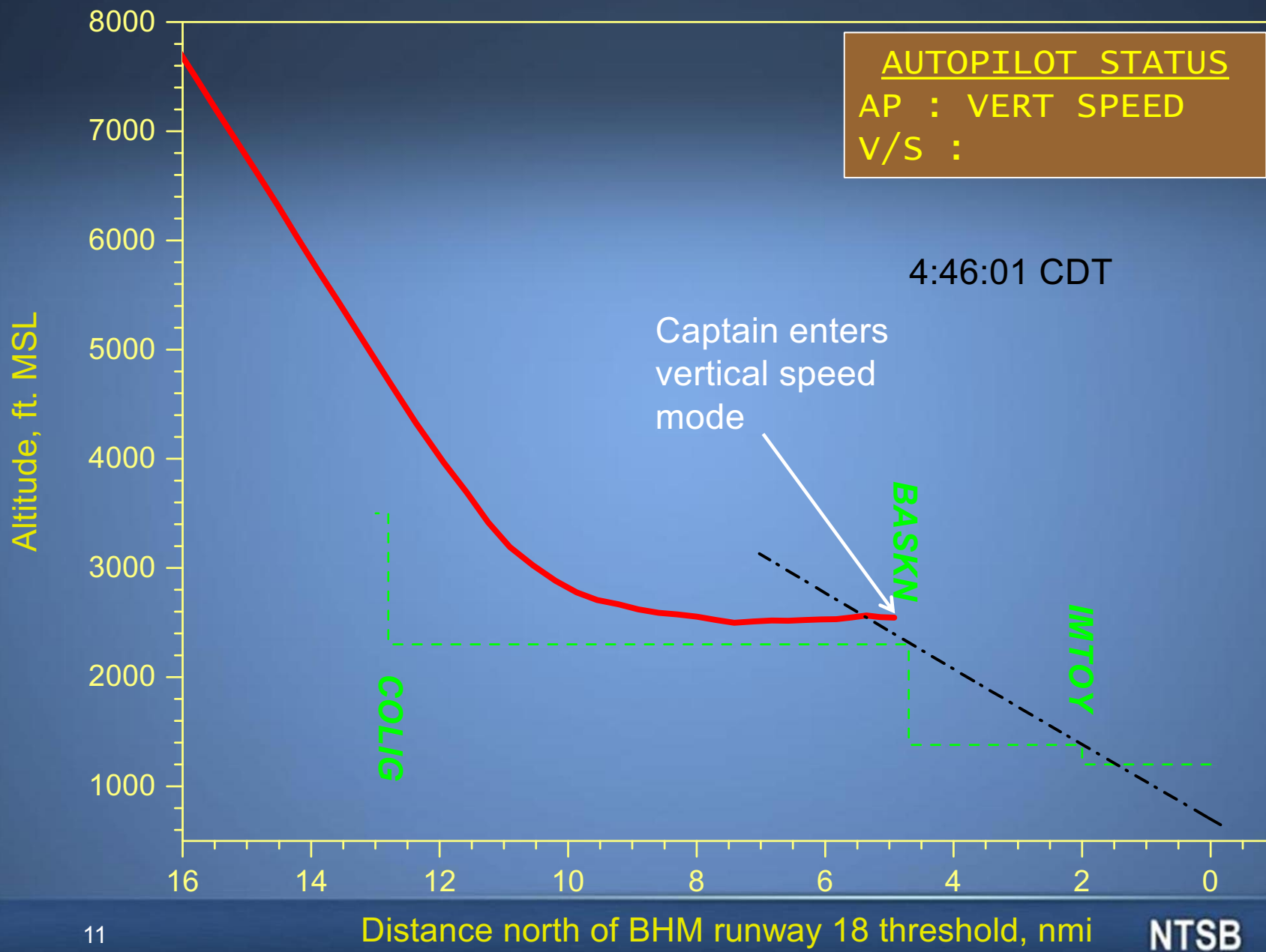


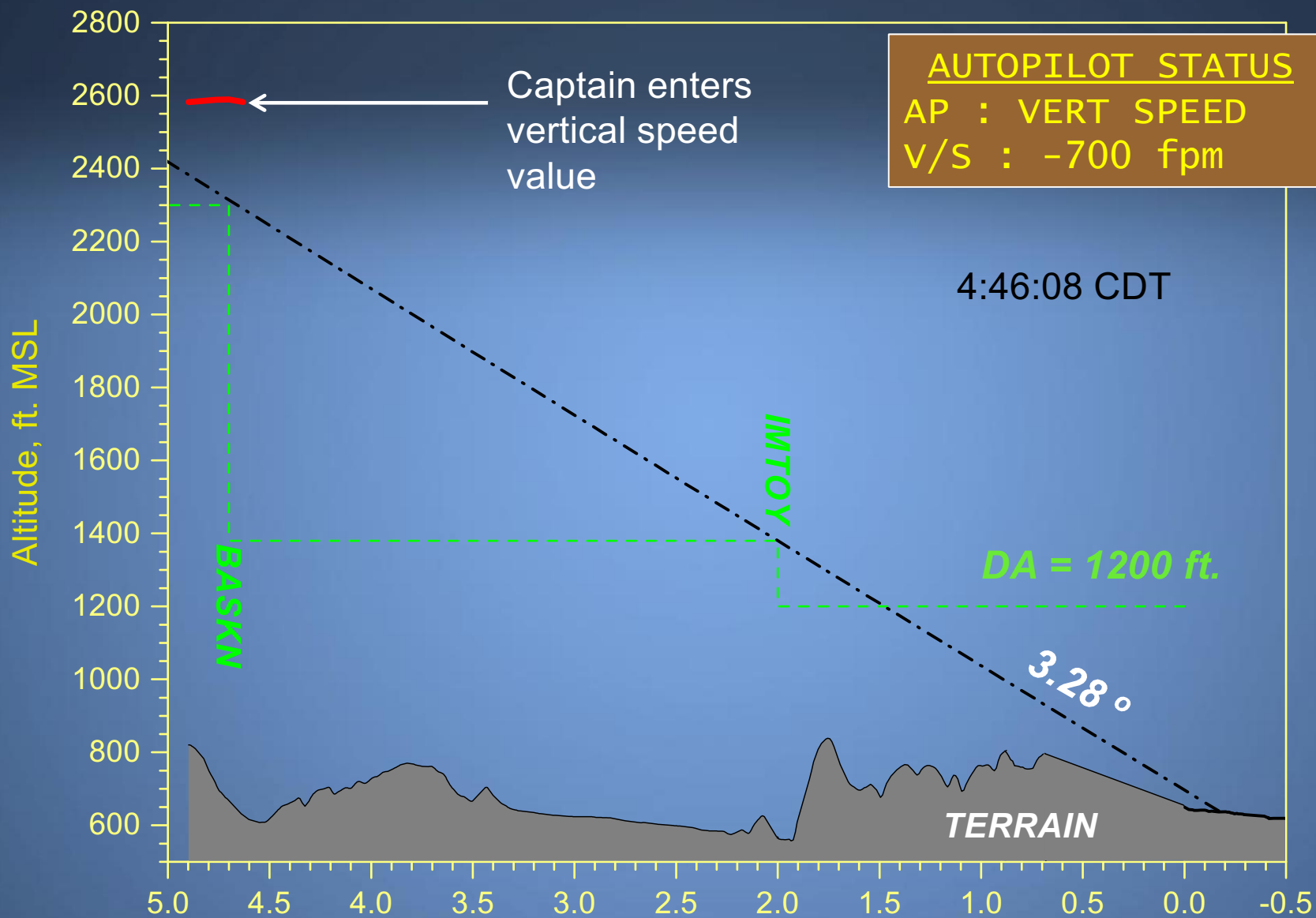


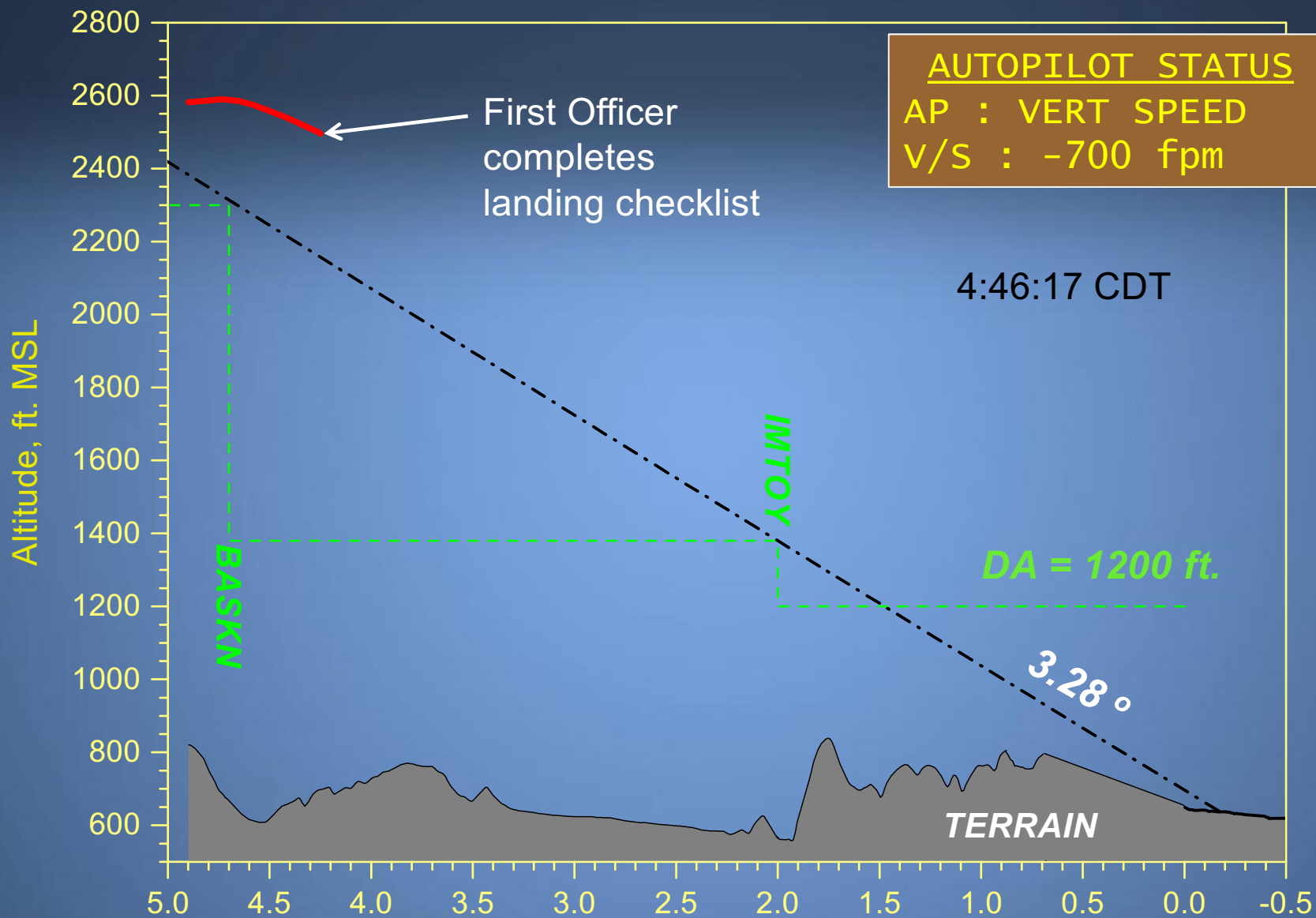


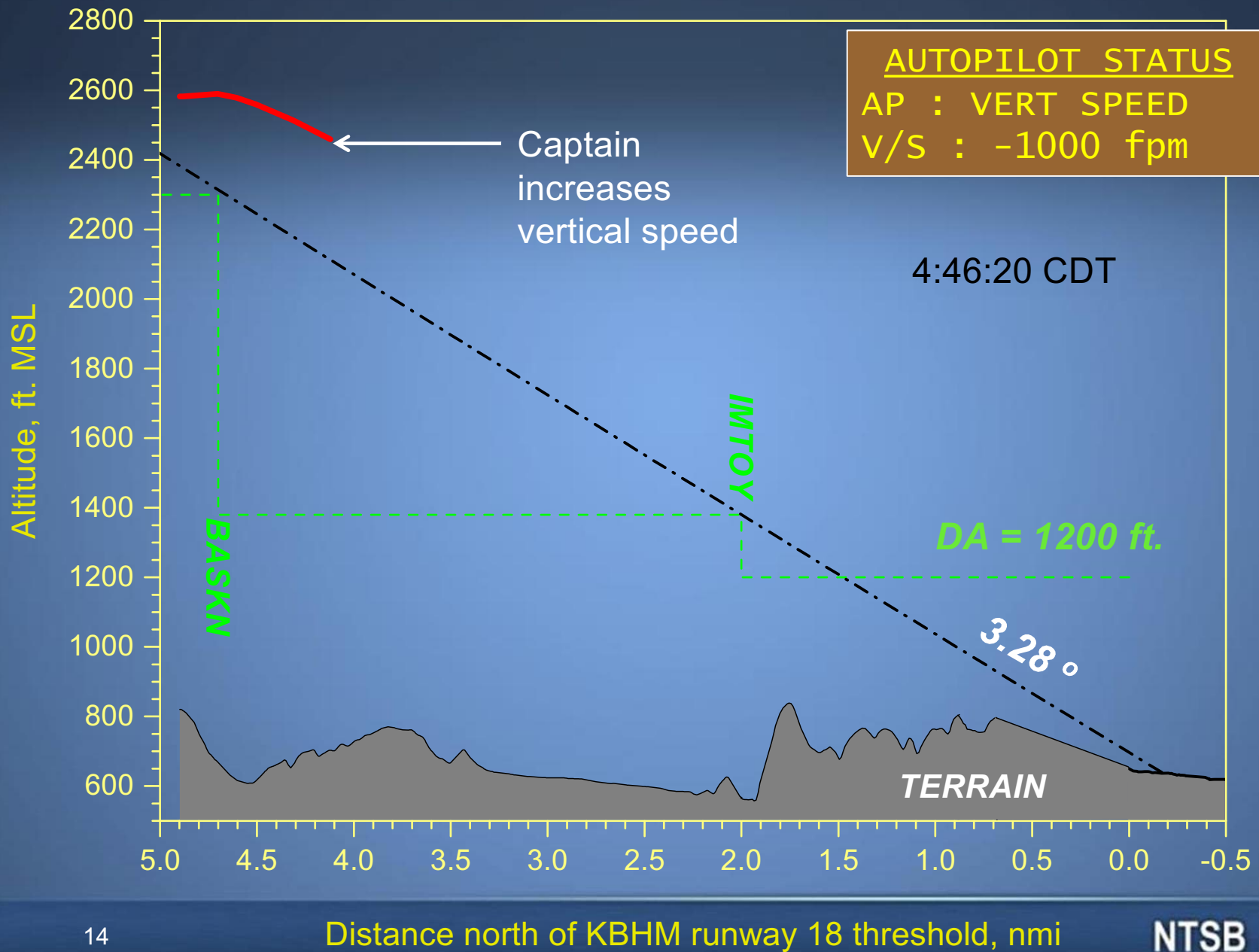


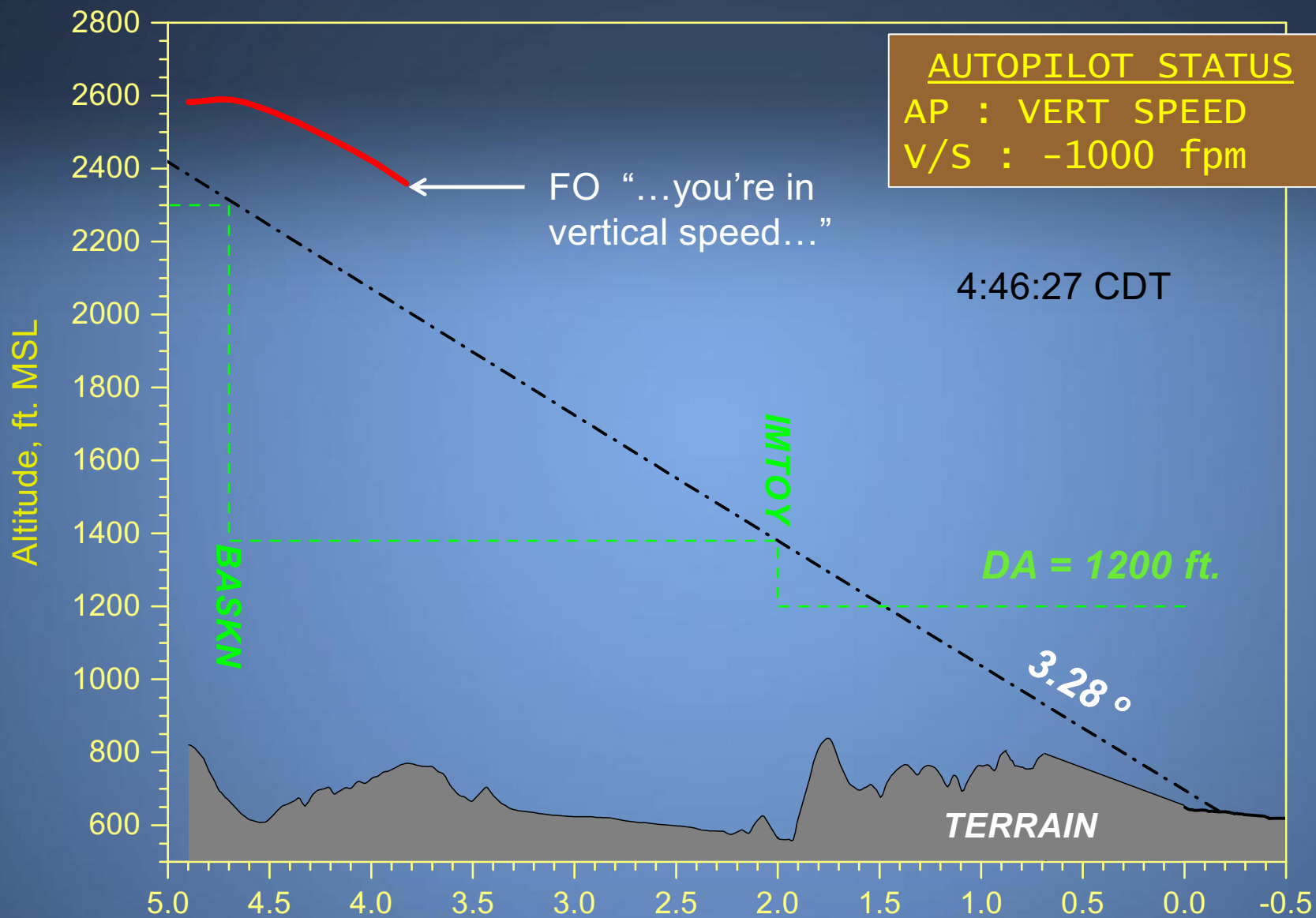


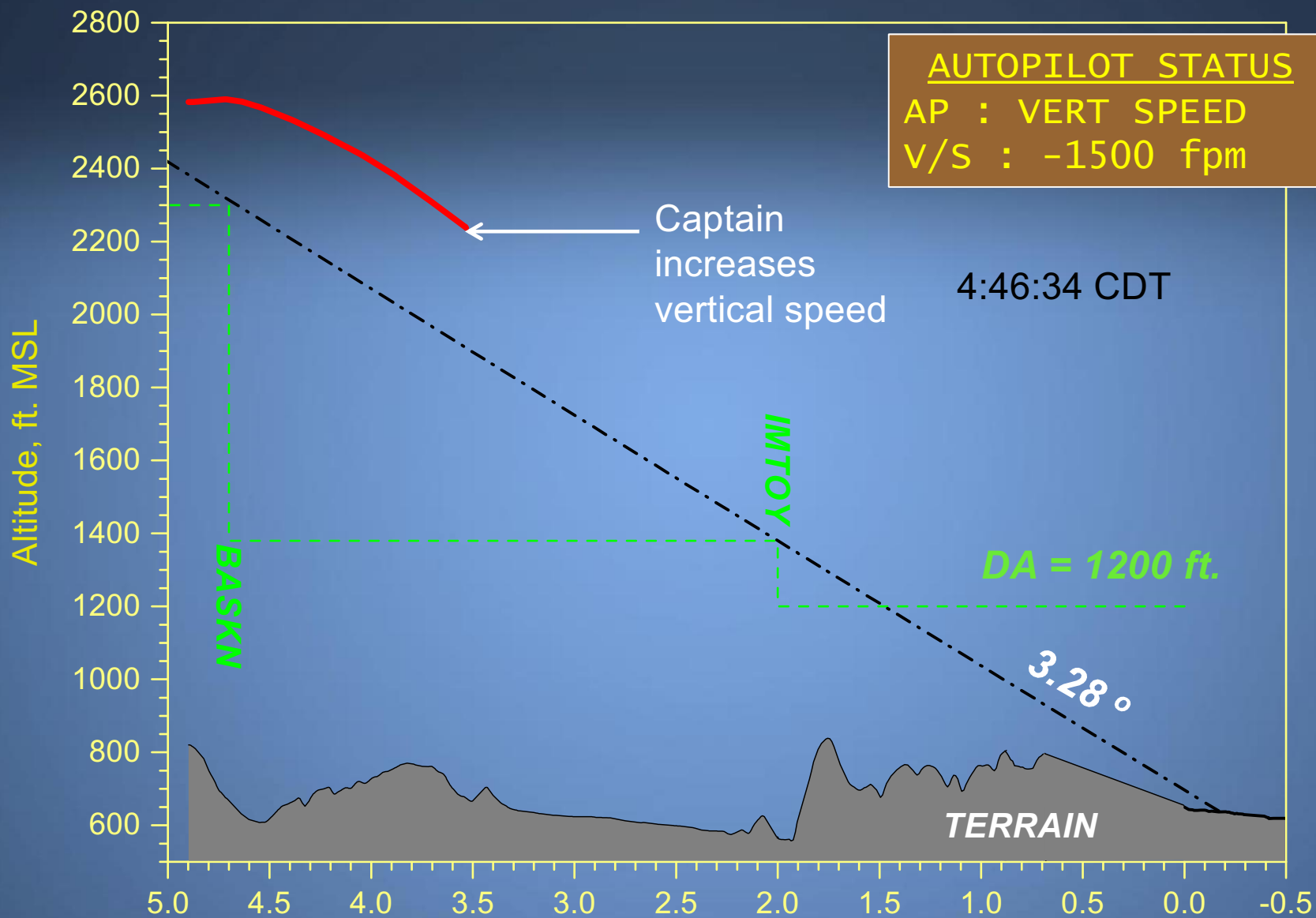


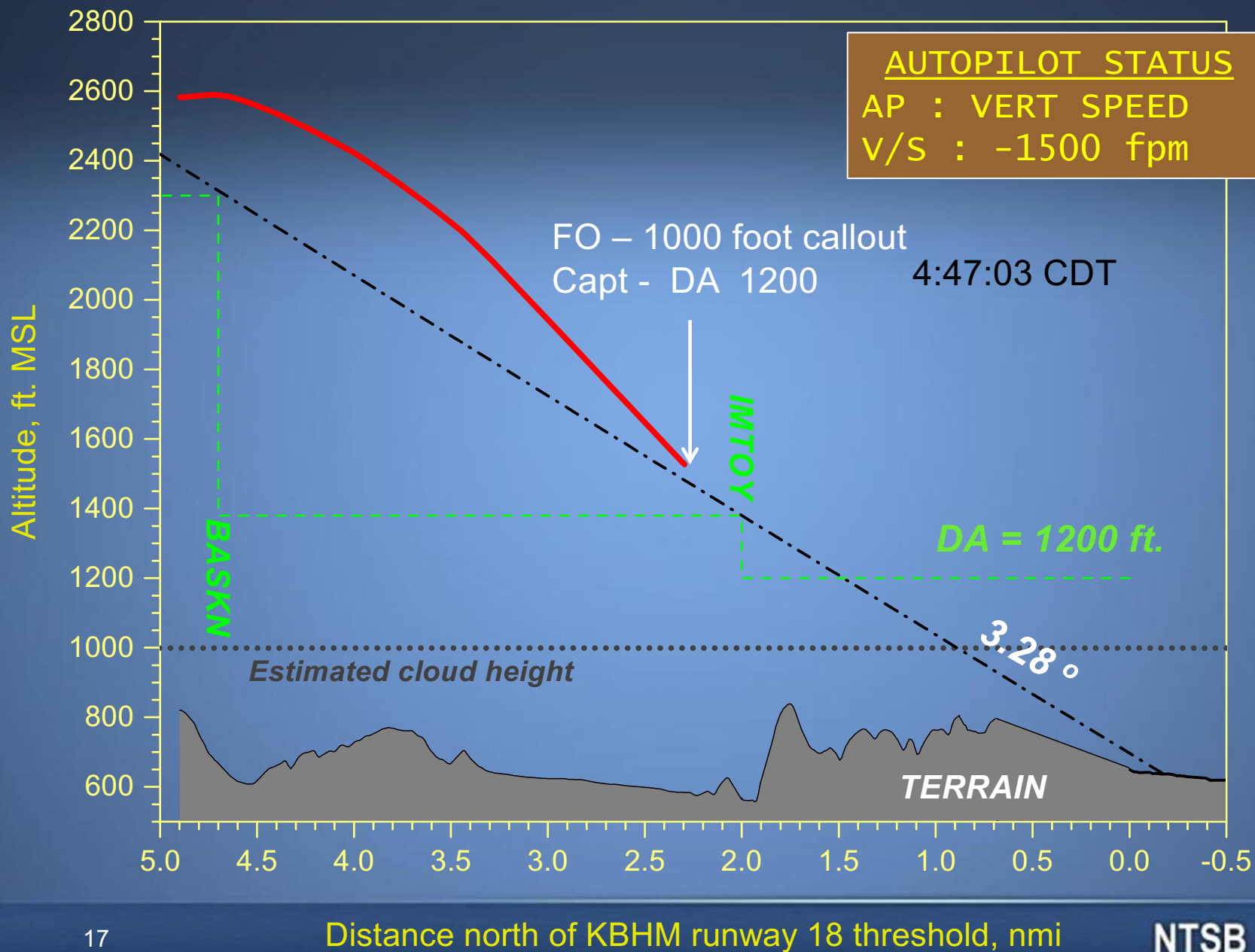


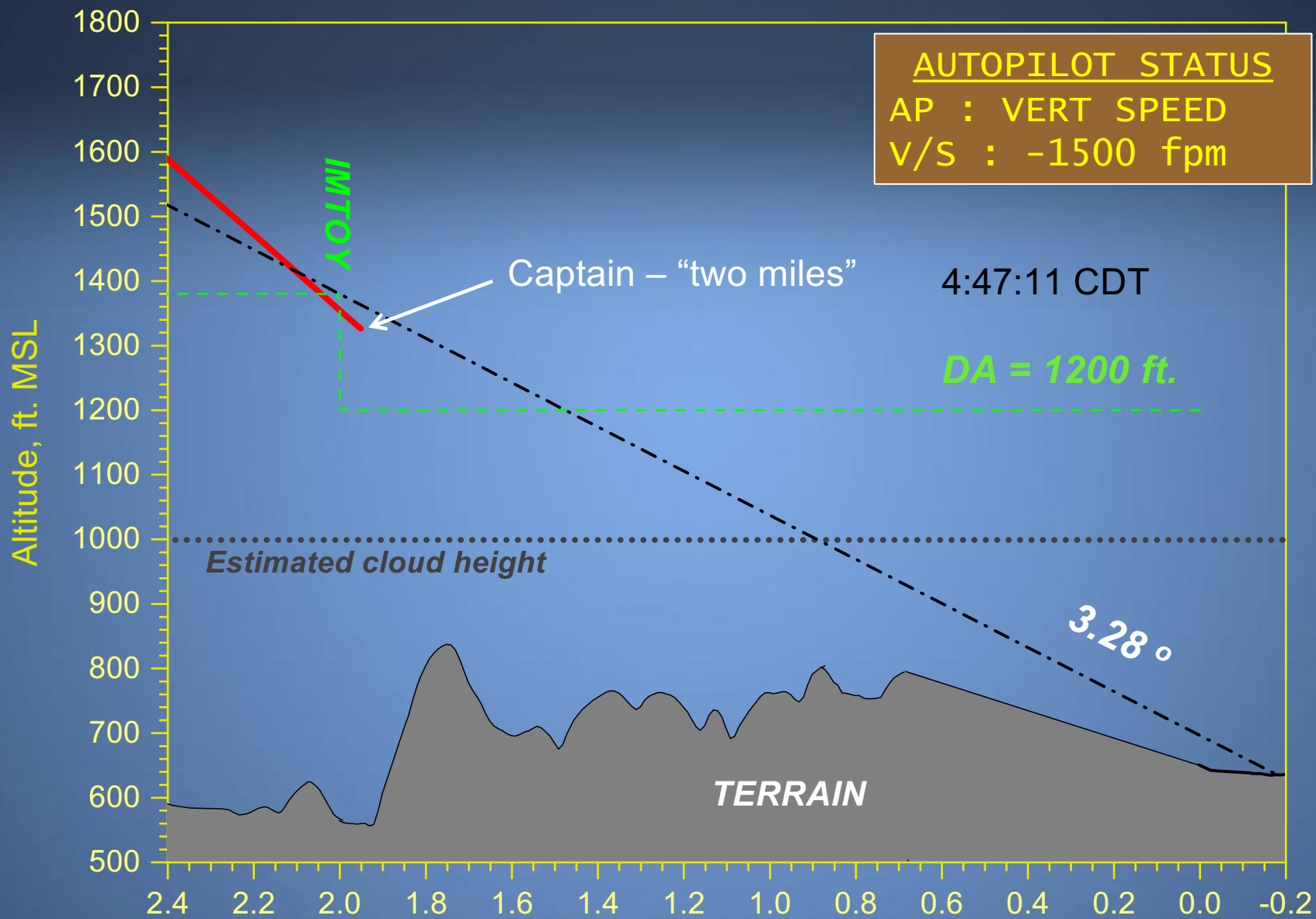






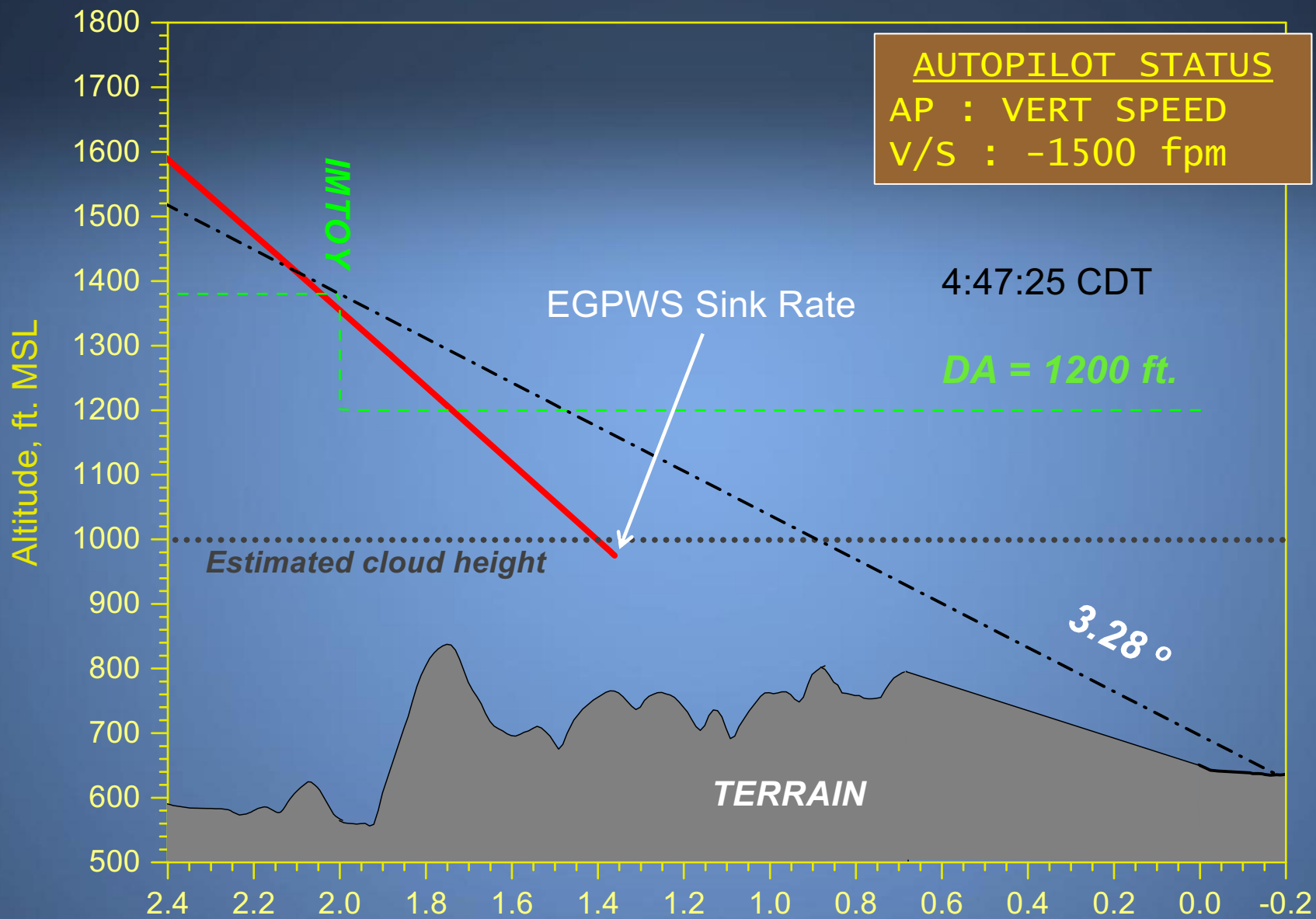






Distance north of KBHM runway 18 threshold, nmi

NTSB



AUTOPILOT STATUS
AP : VERT SPEED
V/S : -1500 fpm

4:47:25 CDT

DA = 1200 ft.

EGPWS Sink Rate

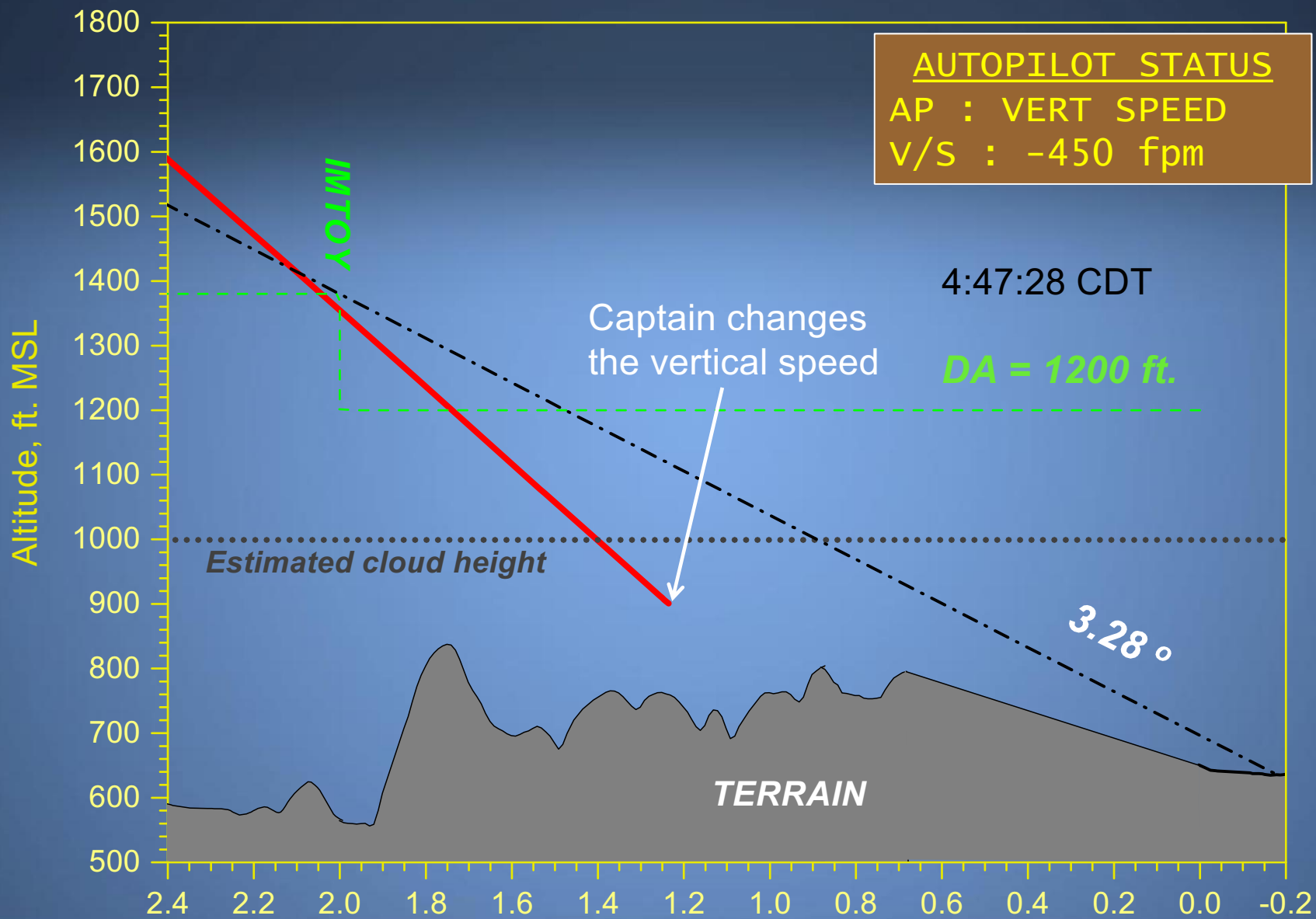
3.28°

Estimated cloud height

TERRAIN

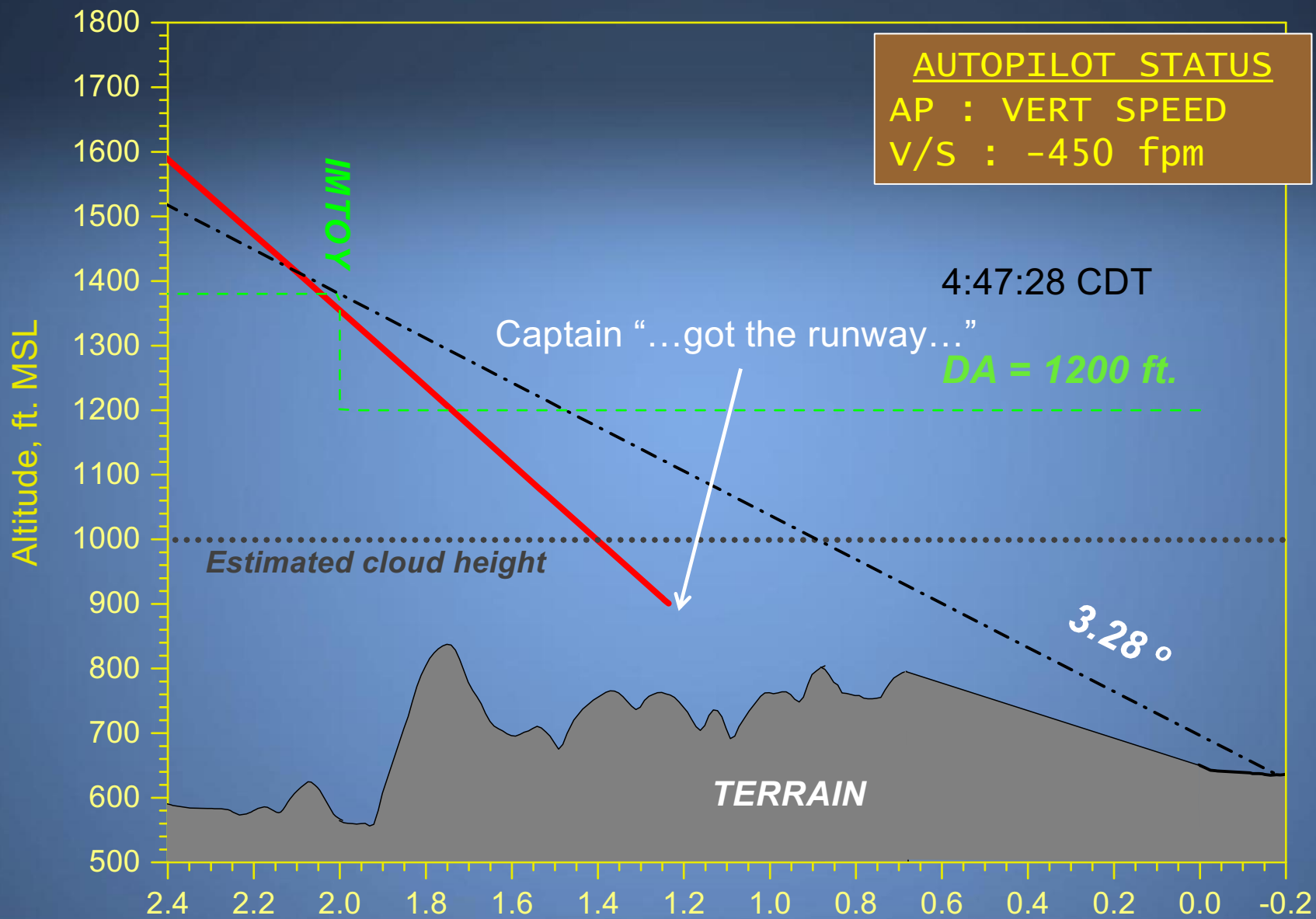
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NTSB



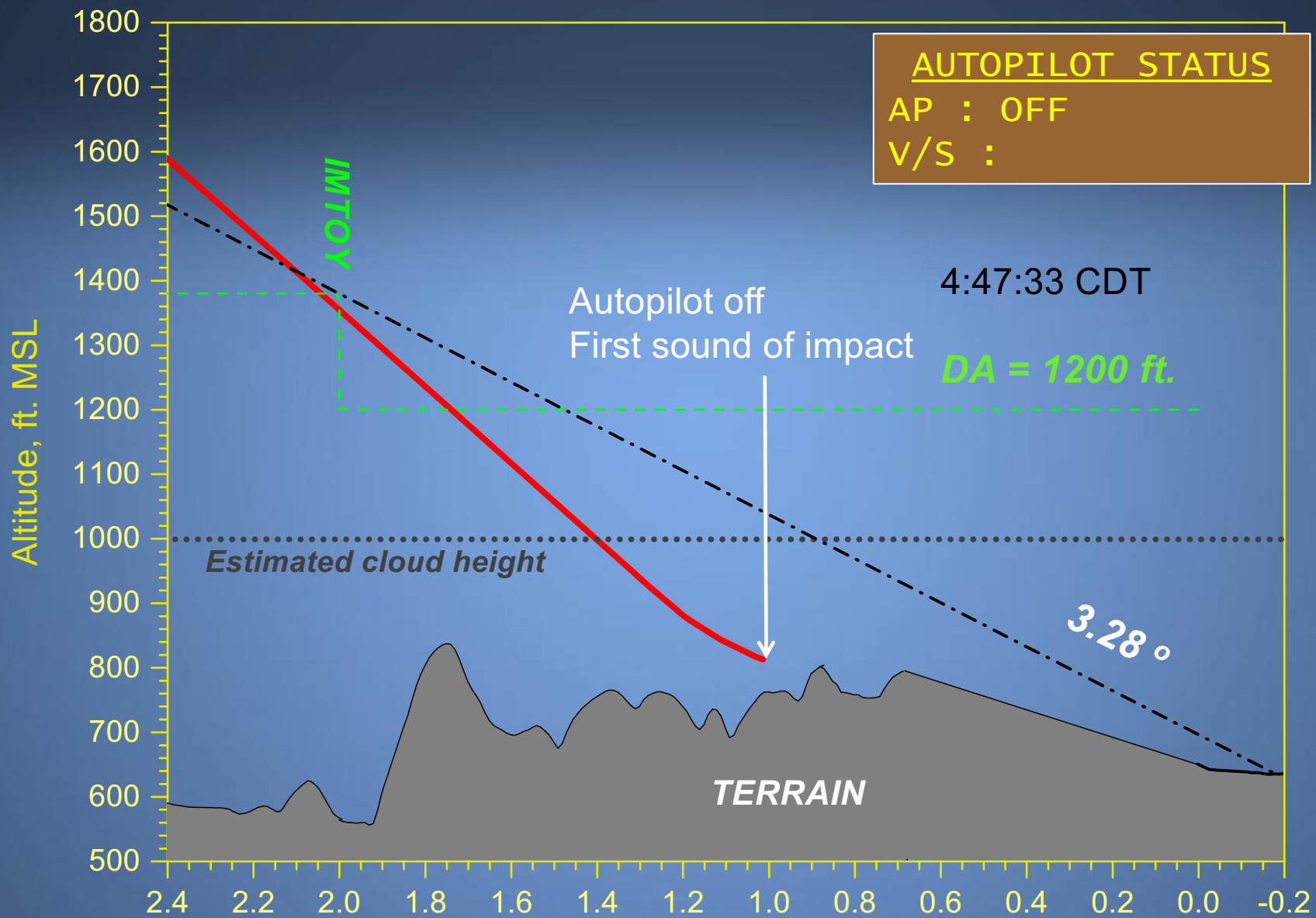
Distance north of KBHM runway 18 threshold, nmi

NTSB



Distance north of KBHM runway 18 threshold, nmi

NTSB



Distance north of KBHM runway 18 threshold, nmi

NTSB



First Tree Strike

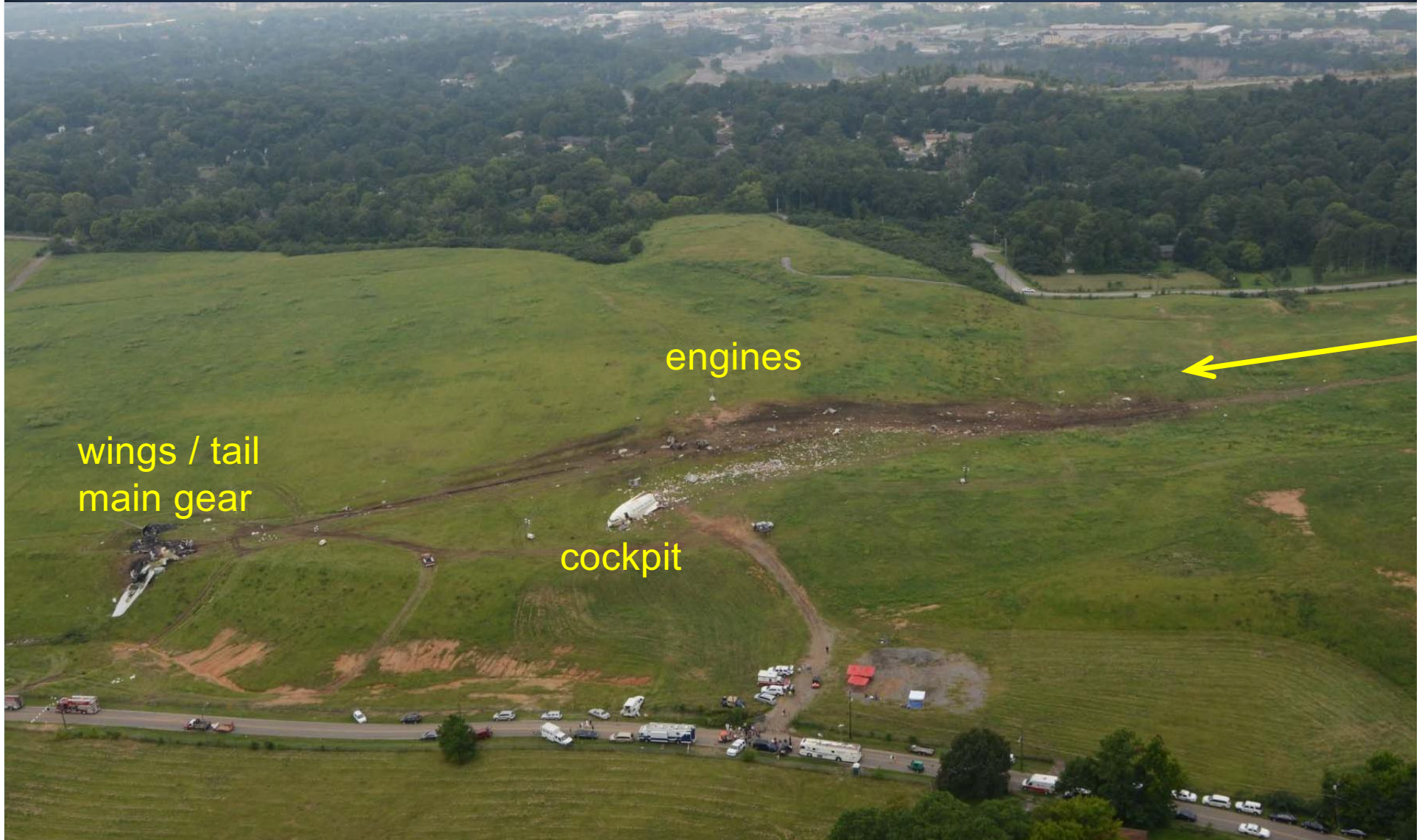


Main Wreckage

Surveillance Video Still



Main Impact Area



Hearing Agenda

- Panel 1 - Execution of Non Precision Approaches
 - Initial and recurrent training
 - Standard operating procedures
 - Proficiency
- Panel 2 – Human Factors
 - Crew resource management and coordination
 - Monitoring and cross checking
 - Fatigue and fitness for duty

Hearing Agenda

- Panel 3 – Dispatch Procedures
 - Training
 - Roles and responsibilities of dispatchers
 - Limitations of dispatch related software



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