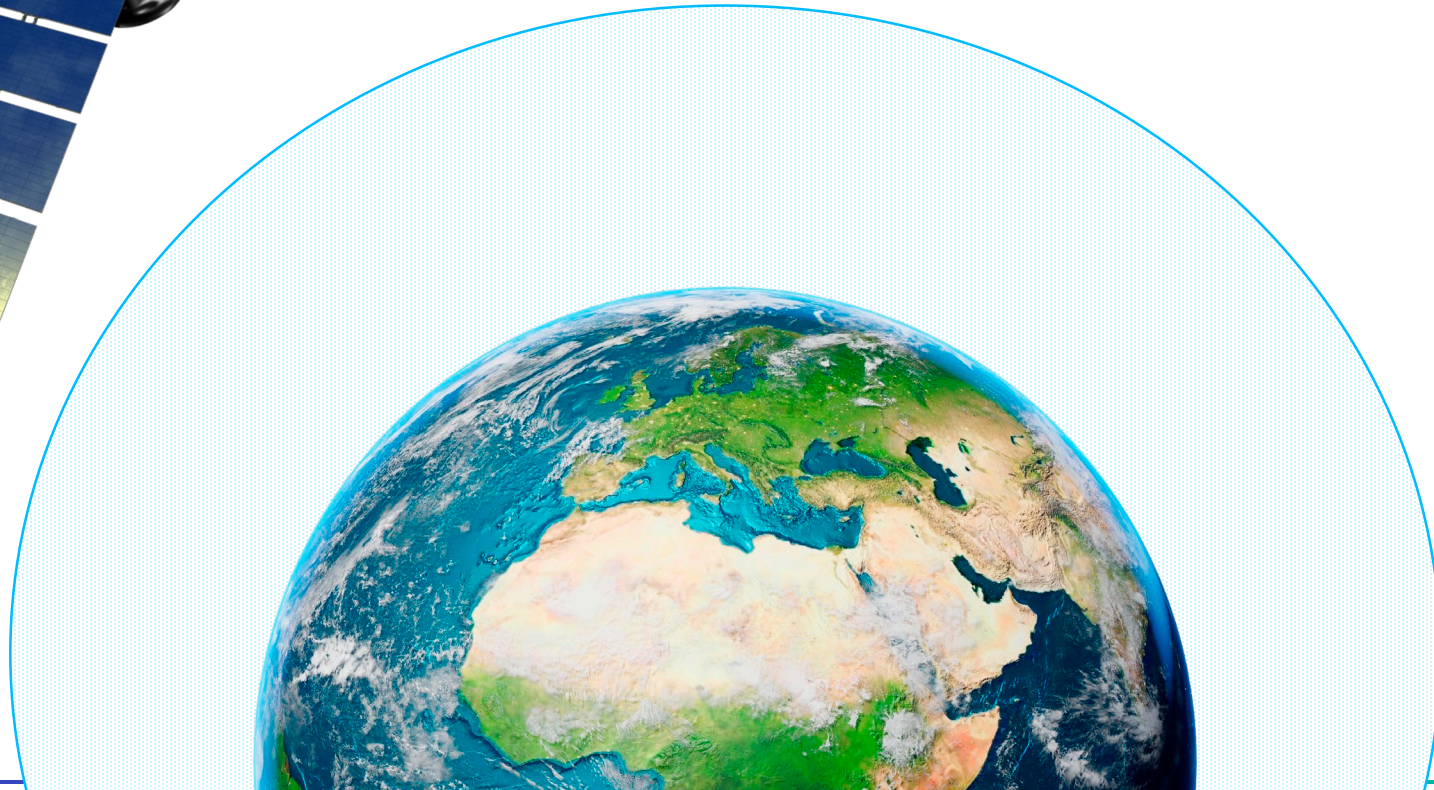
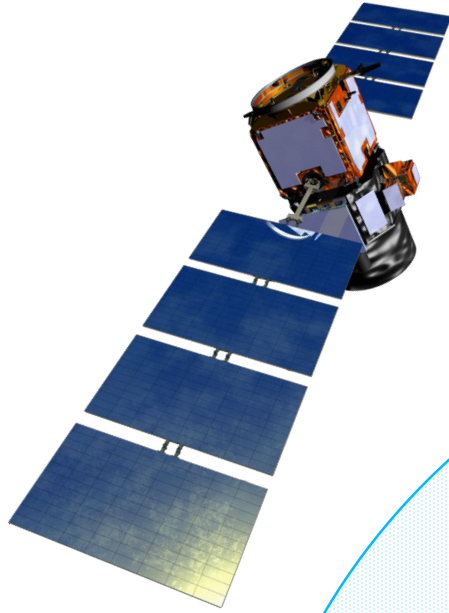


GLOBE AIR QUALITY EVENT 2025

ATMOSPHERIC SOUNDING FROM SPACE

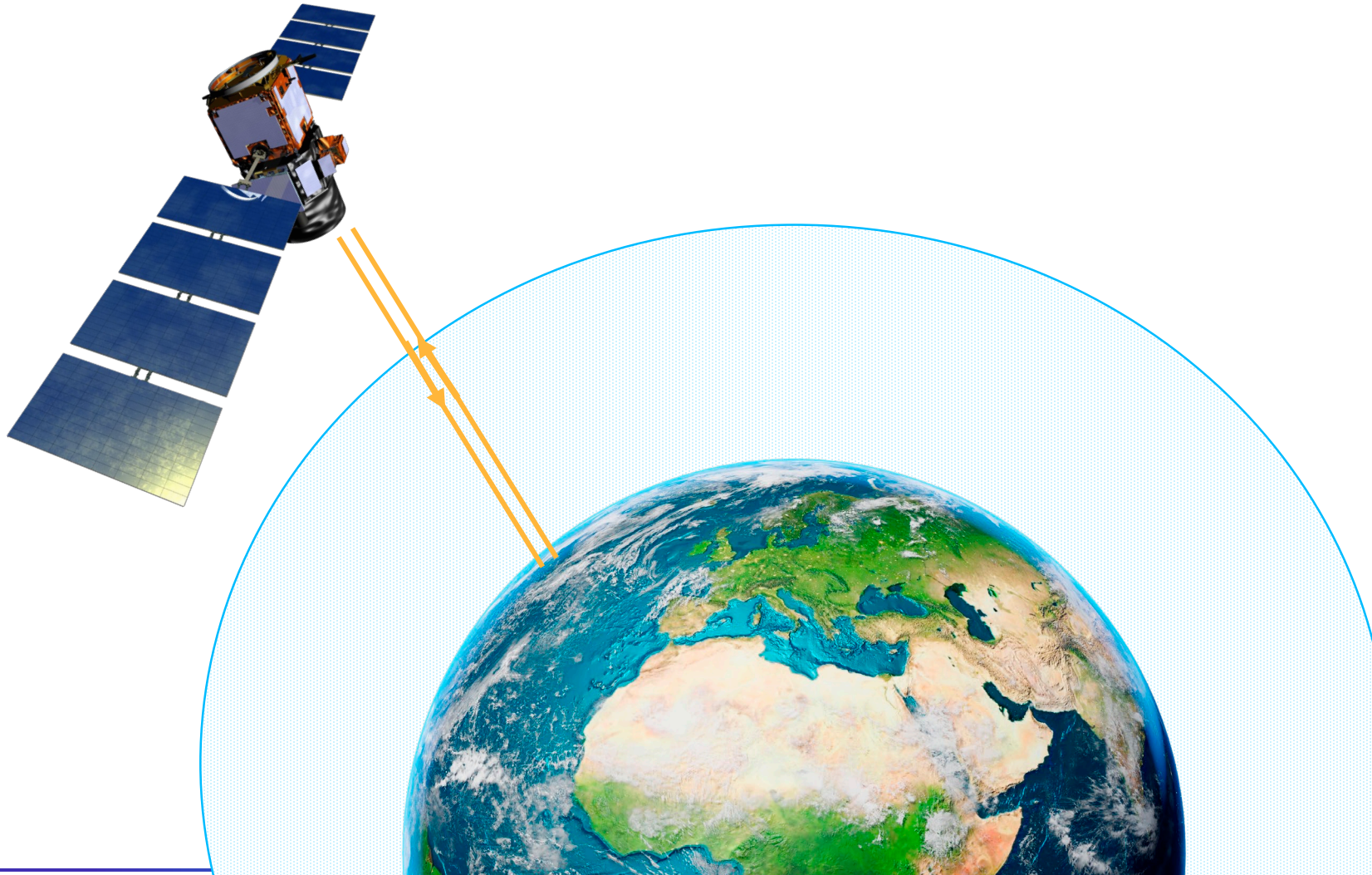
03/04/2025

ATMOSPHERIC SOUNDING



ACTIVE
PASSIVE

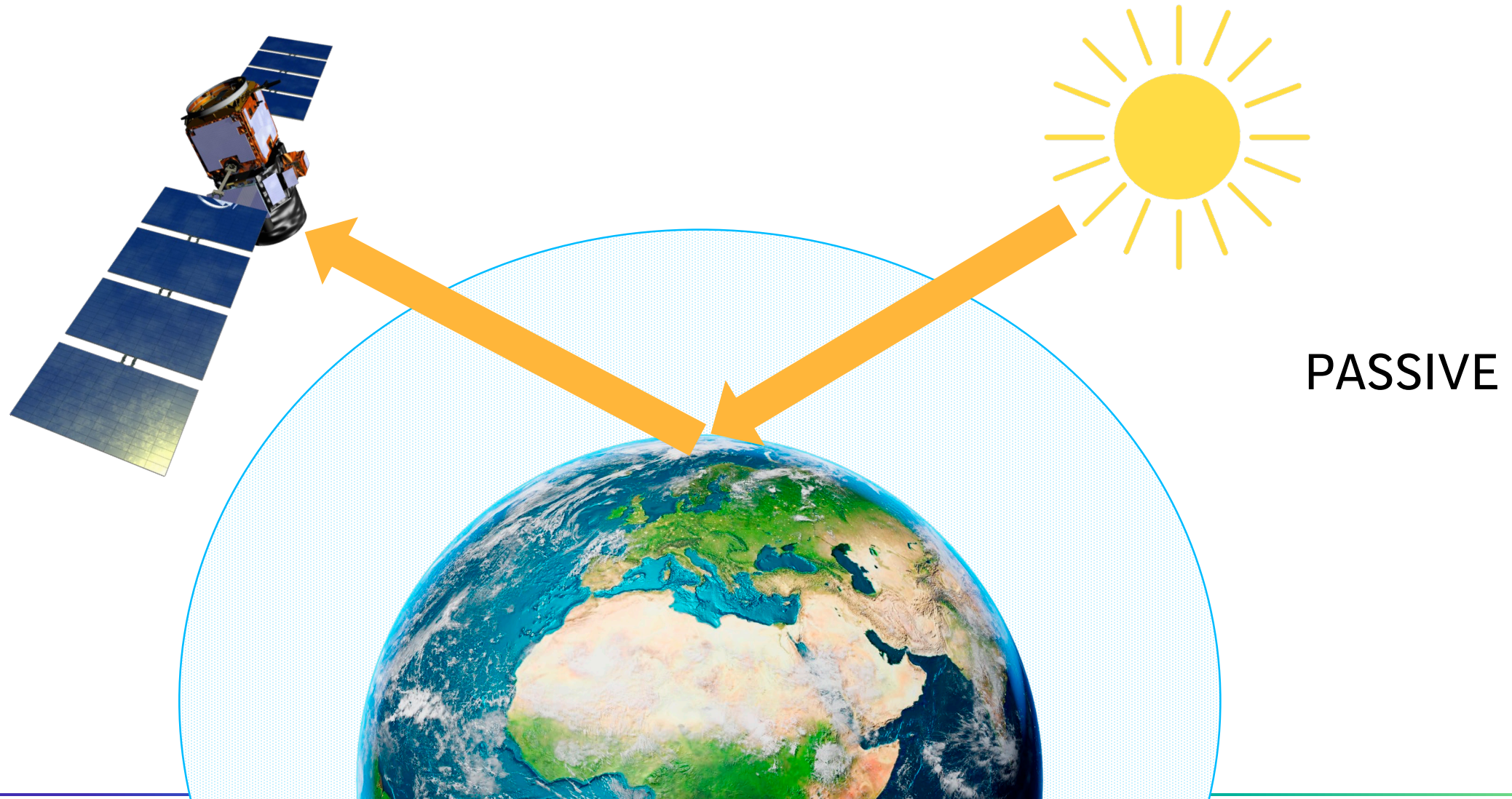
ATMOSPHERIC SOUNDING



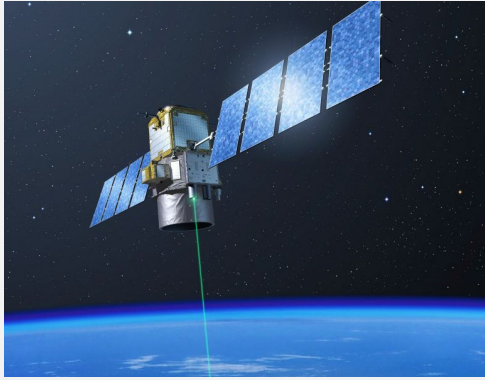
ACTIVE

Ex : Lidar

ATMOSPHERIC SOUNDING



EXAMPLE OF MISSION



©CNES

CALIPSO

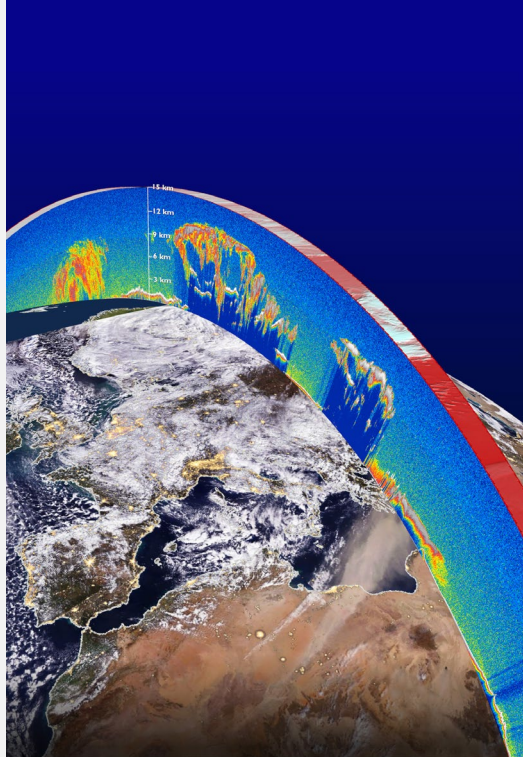
Operator: NASA / CNES

Launch: April 28, 2006

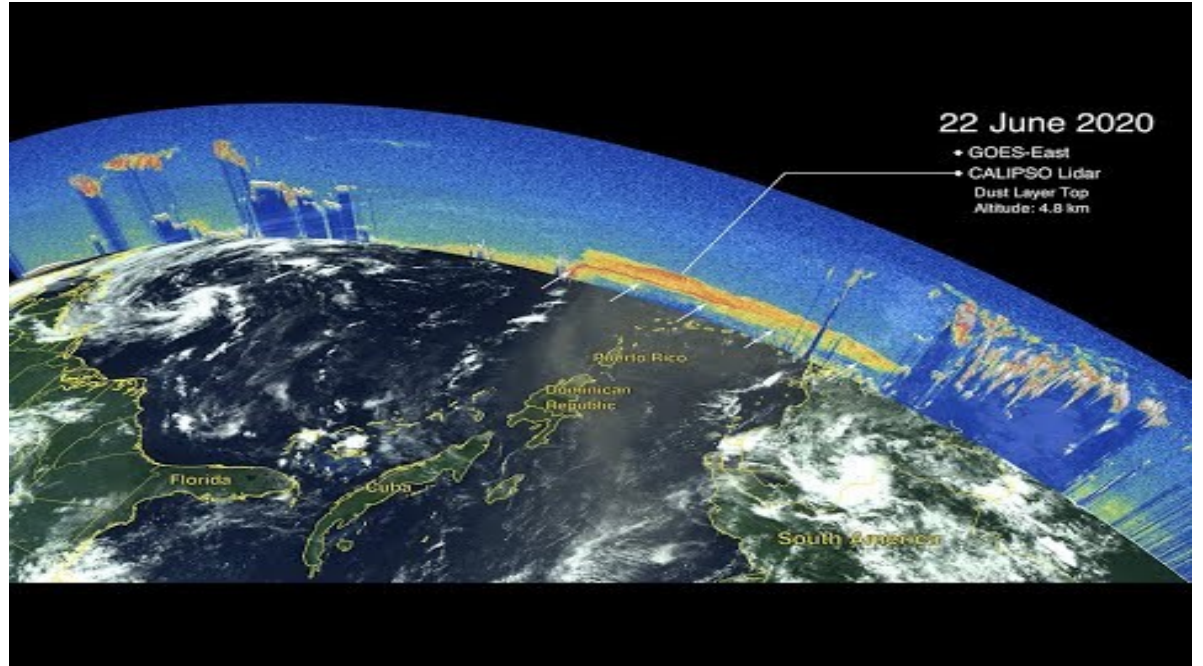
Mission Duration: 18 years

Goal : study the roles of clouds and aerosols of climate and weather

3 instruments including the Lidar
CALIOP (Cloud-Aerosol Lidar with
Orthogonal Polarization)

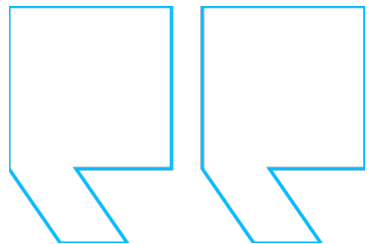


©NASA

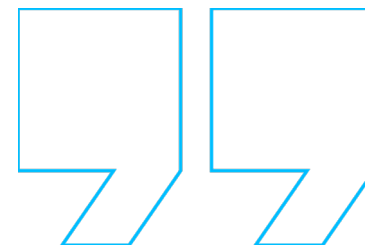


The CALIPSO satellite observed the plume as it traveled across the ocean and eventually affected the mainland of the United States

Video credit: Animation by Roman Kowch/NASA Langley Research Center



THANK YOU



ANNEXES



ATMOSPHERIC SOUNDING

