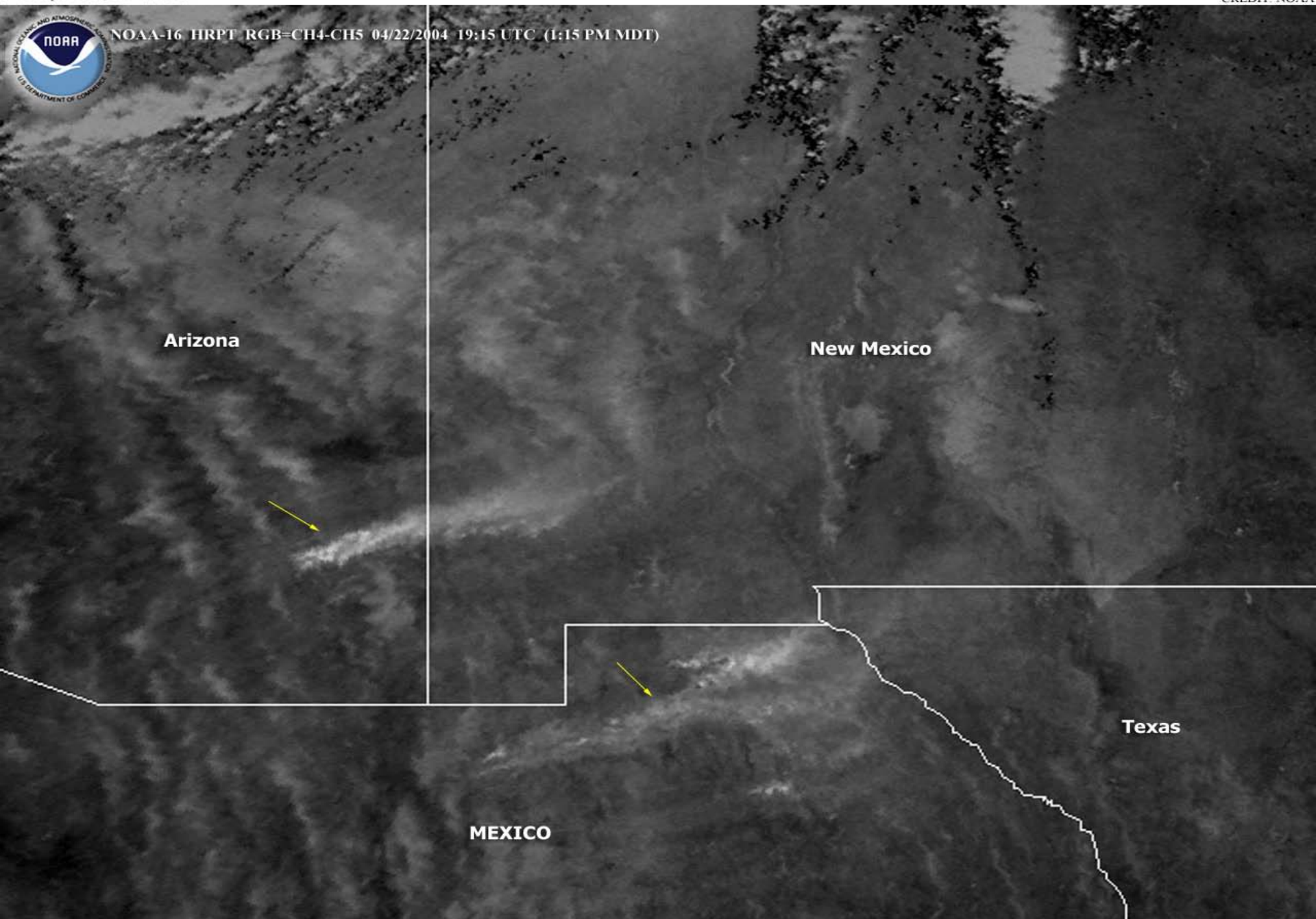


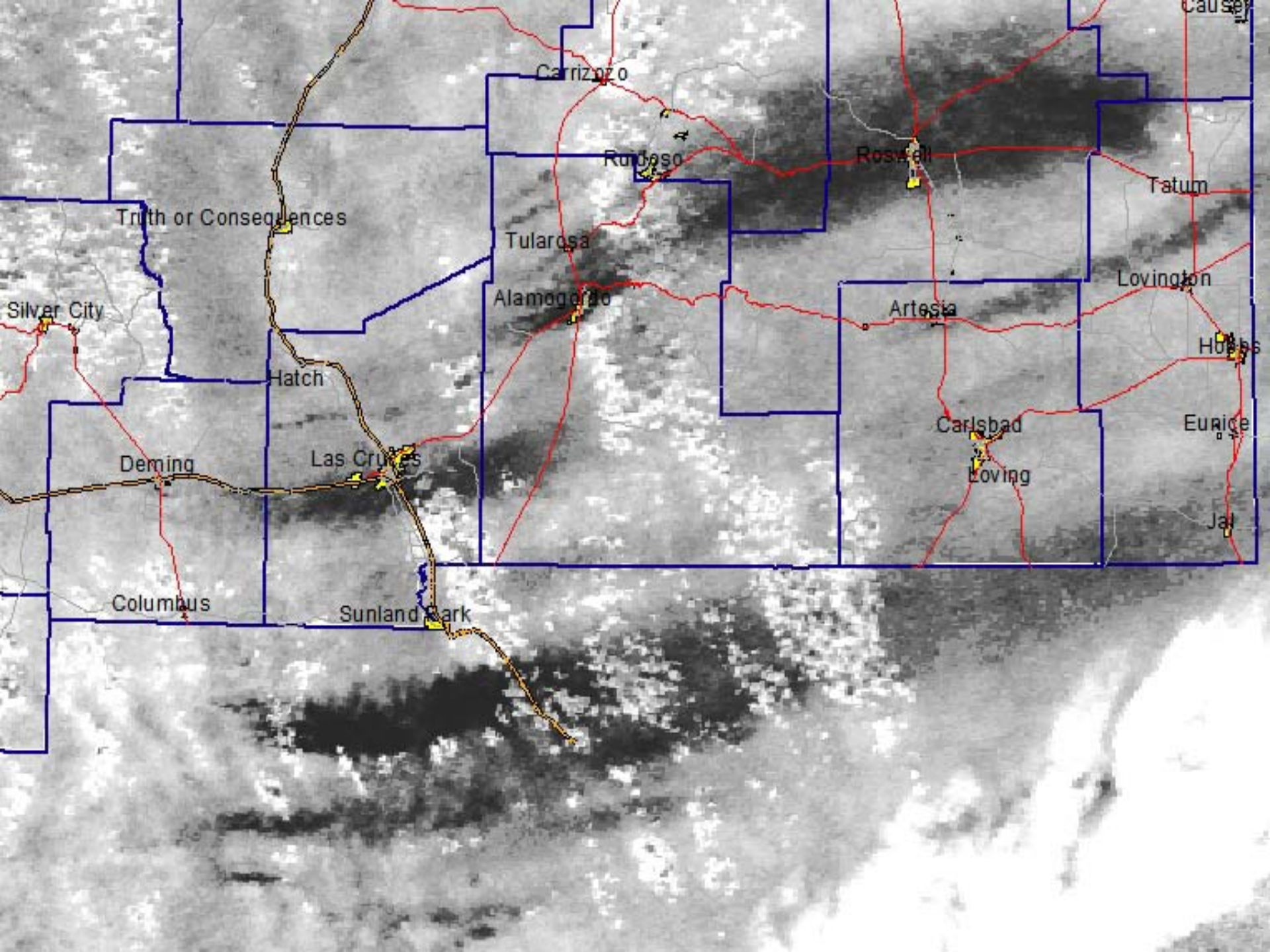
# U.S.-Mexico Regional Air Quality Assessment and Coccidioidomycosis Initiative



In this channel 4 minus channel 5 image, dust plumes (indicated by the yellow arrows) are visible across parts of Arizona, New Mexico, and Mexico. Subtracting channel 5 (12 micron) from channel 4 (11 micron) often enhances the signature of airborne silicate particles, such as dust.

CREDIT: NOAA





Carrizozo

Ruidoso

Roswell

Tatum

Truth or Consequences

Tularosa

Lovington

Alamogordo

Artesia

Hobbs

Silver City

Hatch

Carlsbad

Eunice

Deming

Las Cruces

Loving

Jalisco

Columbus

Sunland Park

# Justification for the New Initiative

- ❑ Air quality is consistently ranked among the top 3 environmental health priorities in our region
- ❑ Climate change projections for New Mexico, West Texas and Northwestern Chihuahua portend drier, more windy conditions, with violent monsoons
- ❑ Intensification of land and resource uses and landscape changes increase dust generation
- ❑ Due to cultural conditions, certain chronic and infectious diseases are presumed underreported
- ❑ Border Infectious Disease Respiratory Workgroup: Establish a borderwide influenza surveillance network, and then add Cocci



# The US/Mexico Border



# Elements of the New Initiative

- ❑ **Assessment of Land-based Sources of Air Quality Contaminants in the Binational Border Region of Southwestern New Mexico and Northwestern Chihuahua (April 2010-March 2014)**
- ❑ **Improved Diagnosis, Reporting and Treatment of Coccidioidomycosis in the four-state region of New Mexico-Chihuahua-Arizona and Sonora (beginning in May 2010)**

# Partners in the Air Quality Assessment

- NM Department of Health/Office of Border Health
- New Mexico State University
- University of Texas-El Paso
- Desert Research Institute
- Universidad Autónoma de Juárez
- New Mexico Environment Department
- U.S. Environmental Protection Agency
- Mexican Environment/Natural Resources Secretariat
- Local County and Municipal Governments
- Others to be identified

# Partners in the Cocci Initiative

- ❑ NM Dept. of Health Infectious Disease Epidemiology Bureau and Office of Border Health
- ❑ Valley Fever Center of Excellence
- ❑ University of Arizona School of Medicine
- ❑ Arizona Department of Health Services
- ❑ Mayo Clinic-Arizona
- ❑ Banner Health Arizona
- ❑ Border Infectious Disease Surveillance (BIDS)--  
Centers for Disease Control and Prevention
- ❑ Early Warning Infectious Disease Surveillance (EWIDS)-  
Assistant Secretary for Preparedness and Response
- ❑ Mexican Secretariat of Health
- ❑ State Secretariats of Health of Chihuahua and Sonora
- ❑ U.S.-Mexico Border Health Commission (*future collaboration*)

# Objectives of this CME Training in Cocci

- ❑ **Overall Goal: Improve the diagnosis, treatment and reporting of Cocci in the U.S.-Mexico Border Region of New Mexico, West Texas, Chihuahua and Sonora**
- ❑ ***Objectives:***
  1. Determine the current level of knowledge of cocci of participants (pre-training)
  2. Impart state-of-art information on the epidemiology, etiology, diagnosis, and treatment of Cocci
  3. Build capacity among participants to contribute to improving surveillance and response to Cocci-related disease and long-term solutions to protect public health

# For more information:

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