

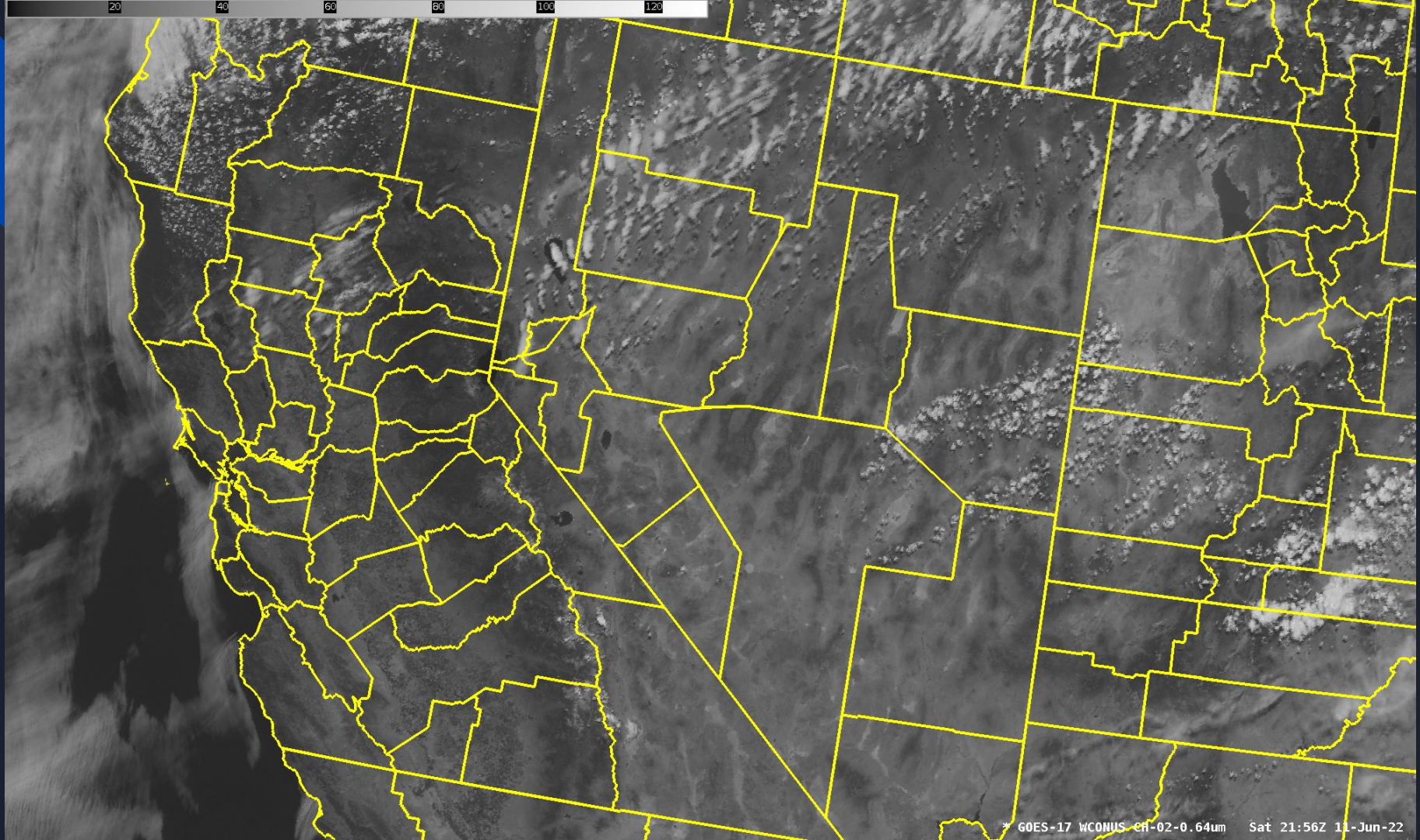


# Blowing Dust as seen from Weather Satellite

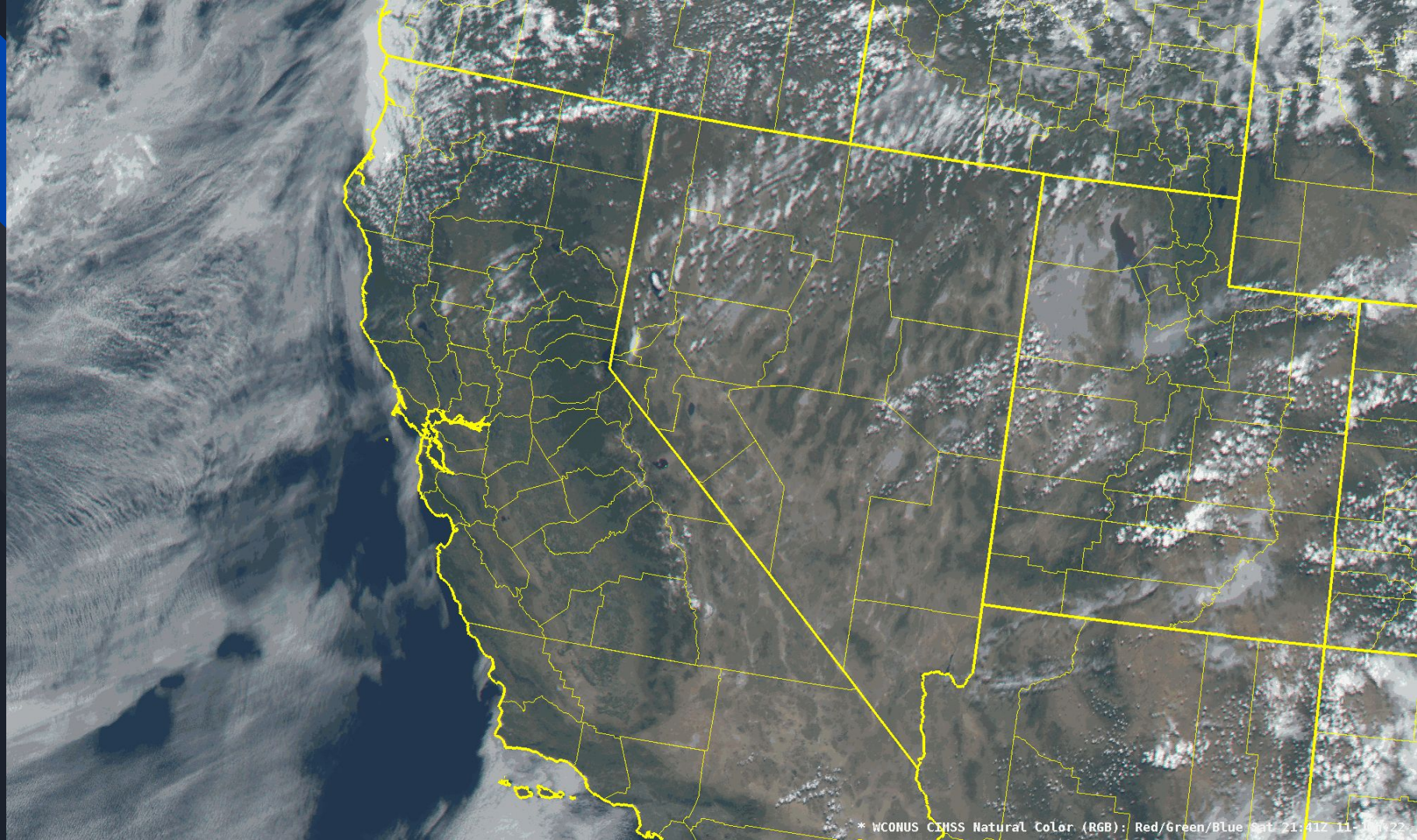
By: Meteorologist Steve Hannah  
NWS WFO Elko

A blue parallelogram and a light green parallelogram are positioned in the upper-left corner of the slide. The blue shape is partially behind the green one. Both shapes are oriented diagonally, with their longer sides running from the top-left towards the bottom-right.

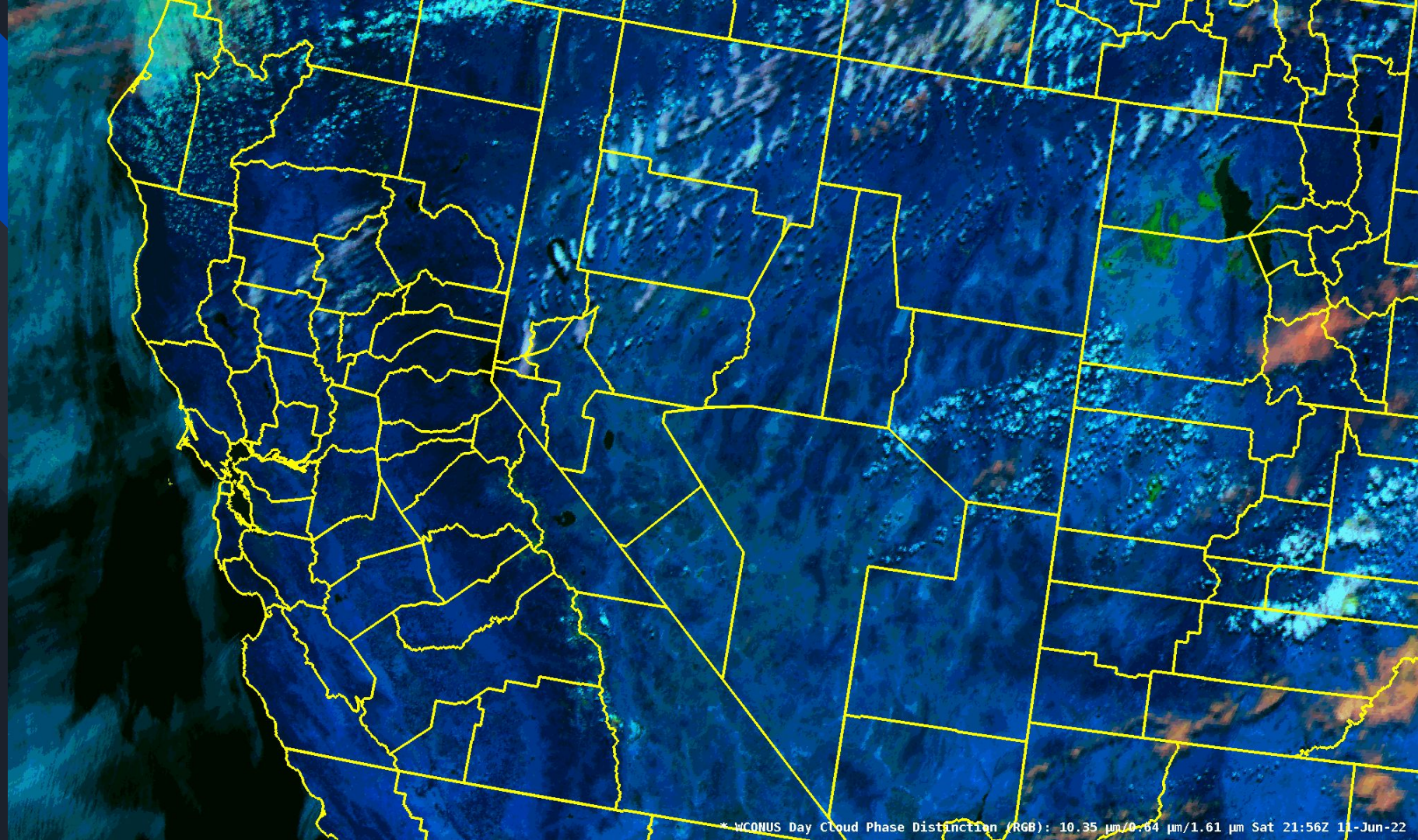
Day #1  
June 11th 2022





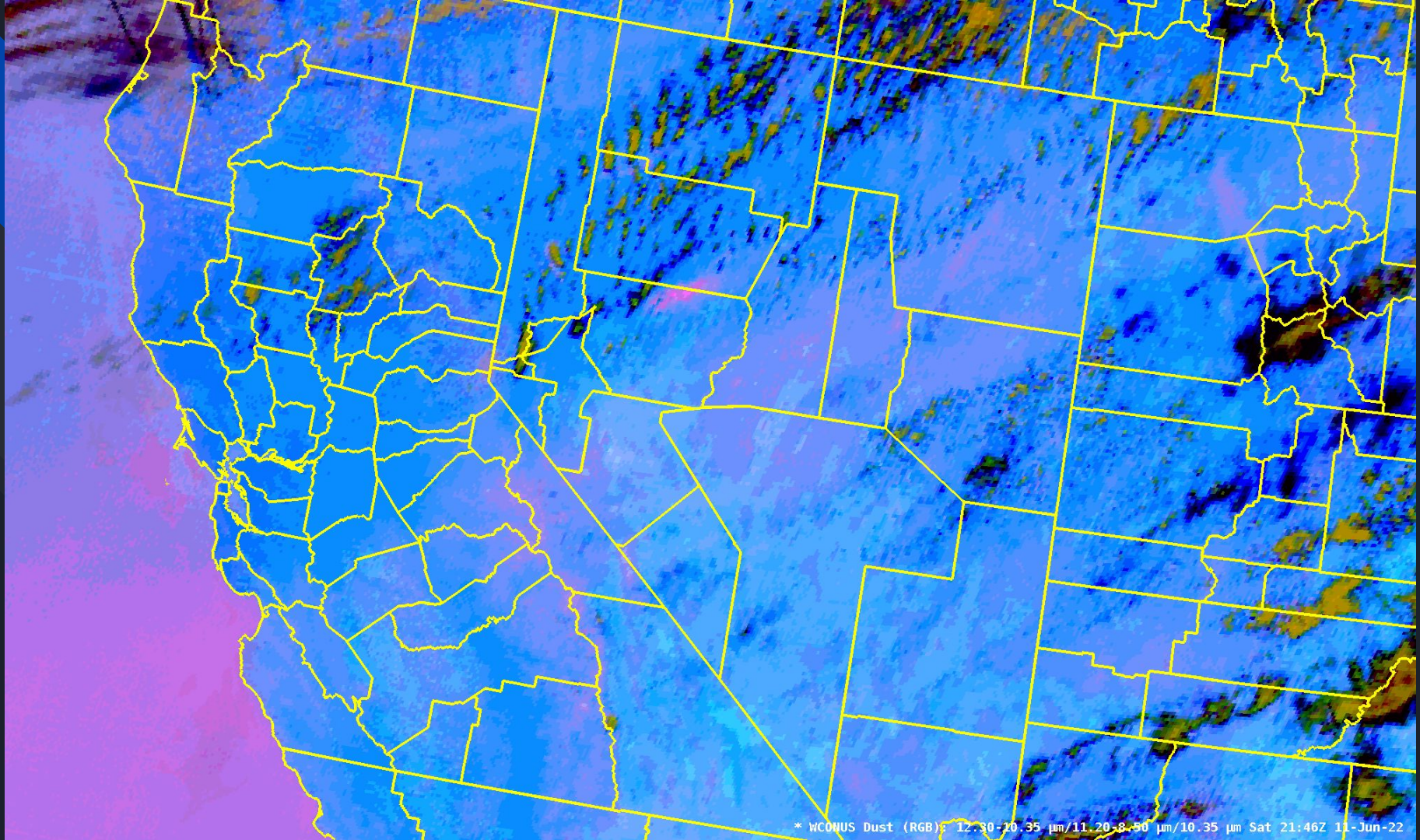






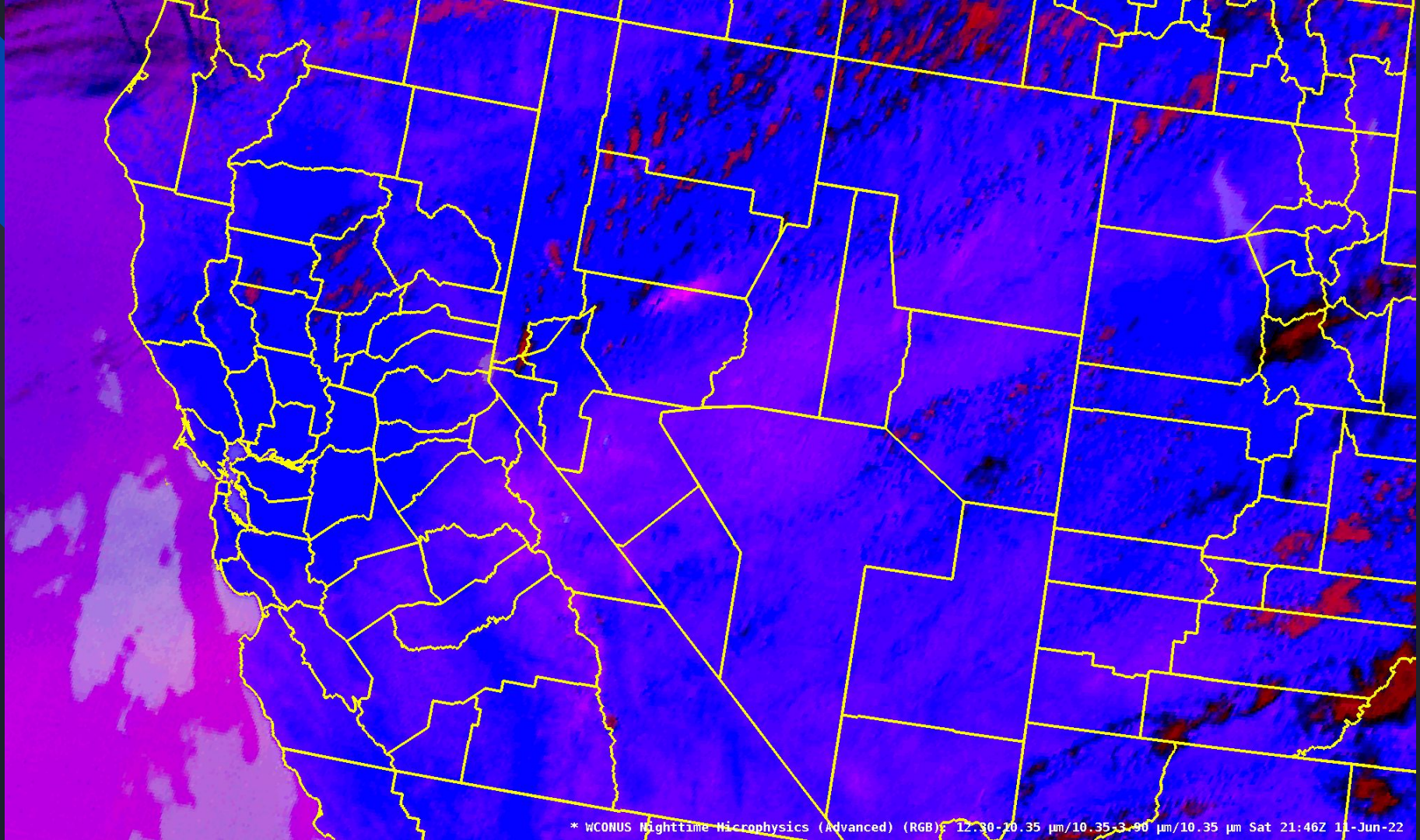
\* WCONUS Day Cloud Phase Distinction (RGB): 10.35  $\mu\text{m}$ /0.64  $\mu\text{m}$ /1.61  $\mu\text{m}$  Sat 21:56Z 11-Jun-22





\* WCONUS Dust (RGB): 12.30-10.35 μm/11.20-8.50 μm/10.35 μm Sat 21:46Z 11-Jun-22





\* WCONUS Nighttime Microphysics (Advanced) (RGB): 12:30-10:35  $\mu\text{m}$ /10:35-3:40  $\mu\text{m}$ /10:35  $\mu\text{m}$  Sat 21:46Z 11-Jun-22













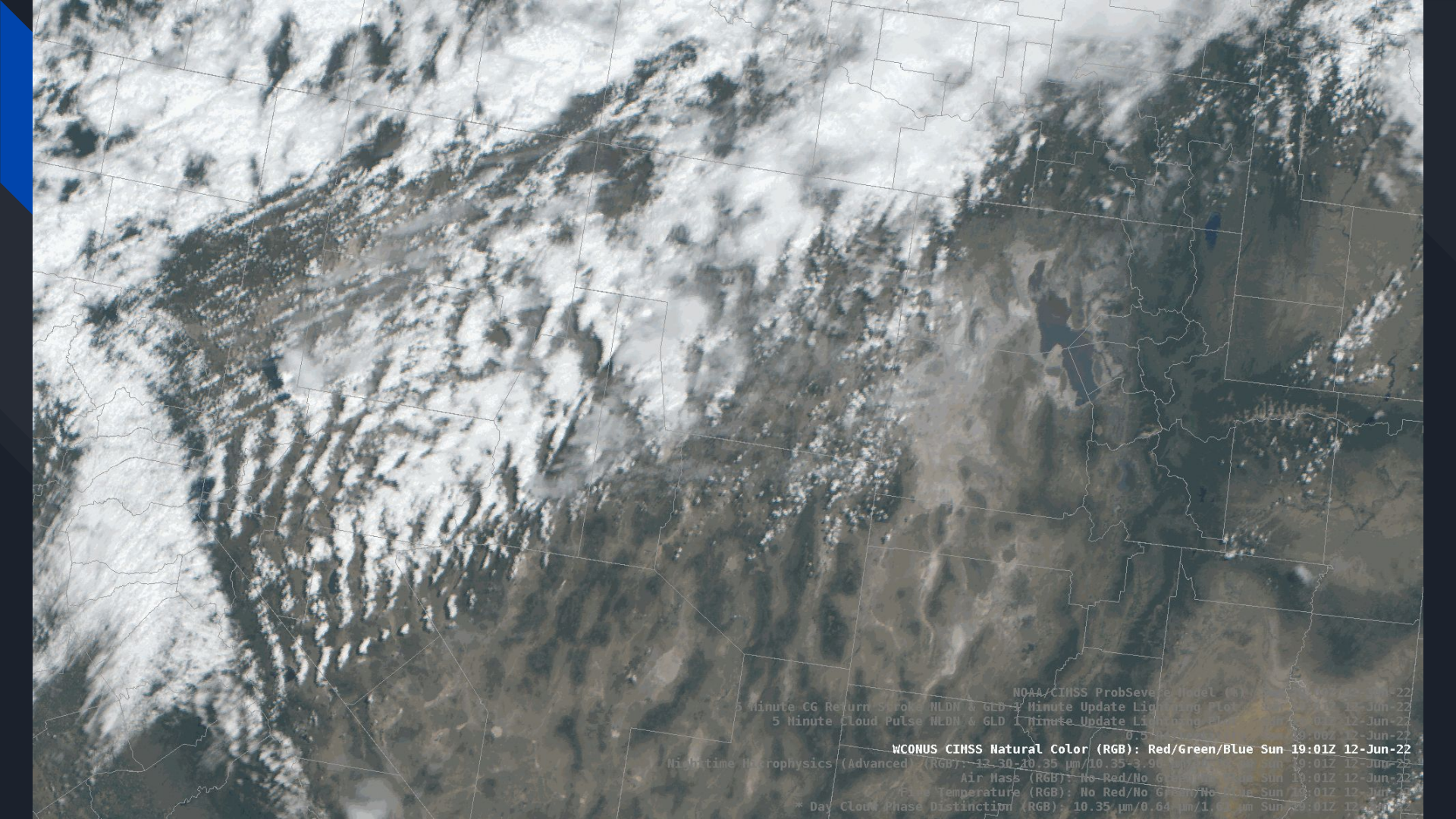




A blue parallelogram and a light green parallelogram are positioned in the upper-left corner of the slide. The blue shape is partially behind the green one. Both shapes are oriented diagonally, matching the overall geometric theme of the dark blue background.

Day #2  
June 12th, 2022





NOAA/CINSS ProbSevere Model (R) 10.35  $\mu$ m/0.64  $\mu$ m/1.64  $\mu$ m Sun 19:01Z 12-Jun-22

5 Minute CG Return S-Pol, NLDN & GLD 3 Minute Update Lightning Plot 10.35  $\mu$ m/0.64  $\mu$ m/1.64  $\mu$ m Sun 19:01Z 12-Jun-22

5 Minute Cloud Pulse NLDN & GLD 1 Minute Update Lightning Plot 10.35  $\mu$ m/0.64  $\mu$ m/1.64  $\mu$ m Sun 19:01Z 12-Jun-22

WCONUS CINSS Natural Color (RGB): Red/Green/Blue Sun 19:01Z 12-Jun-22

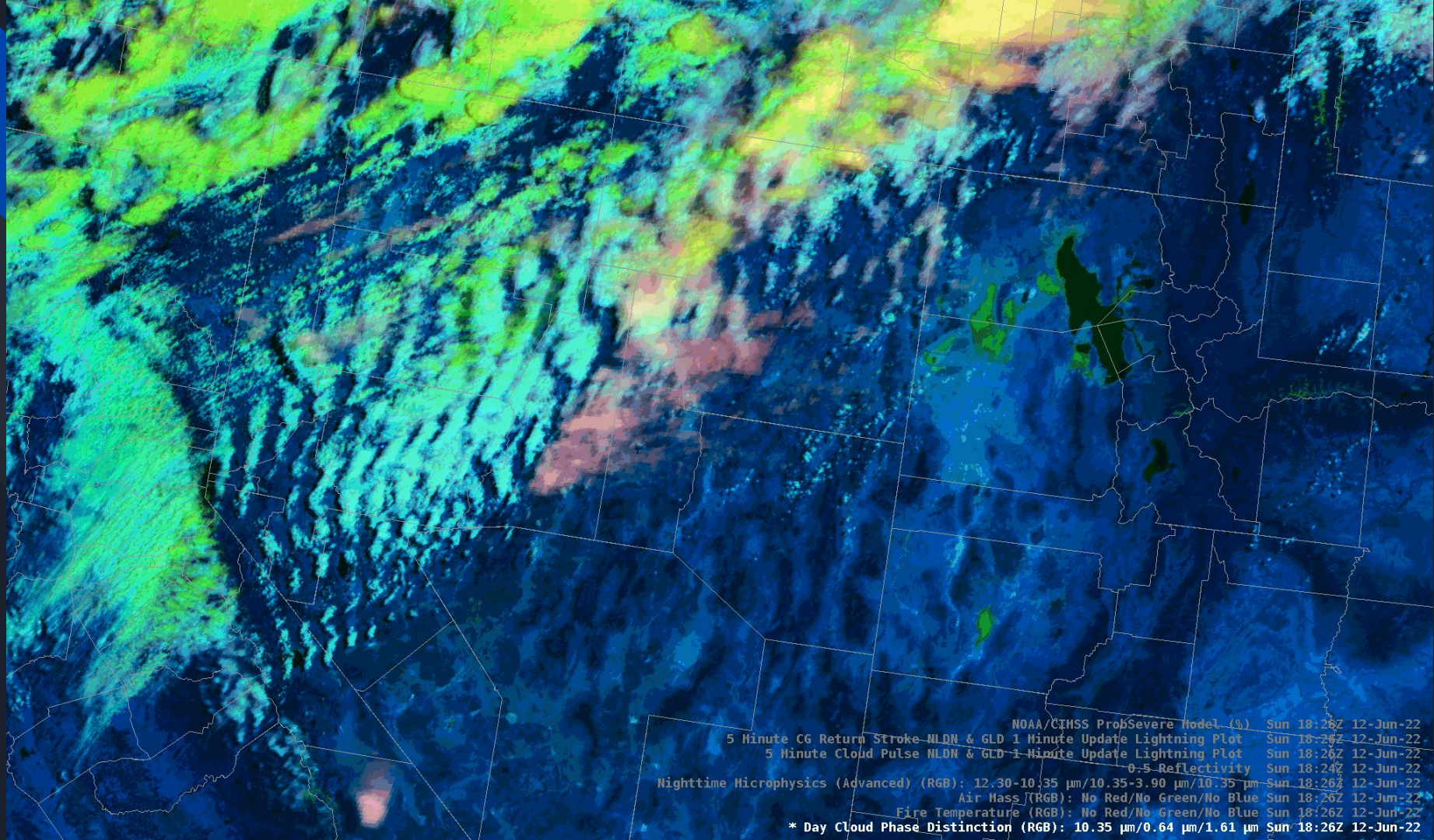
High-time Microphysics (Advanced) (RGB): 10.35  $\mu$ m/0.64  $\mu$ m/1.64  $\mu$ m Sun 19:01Z 12-Jun-22

Air Mass (RGB): No Red/No Green/No Blue Sun 19:01Z 12-Jun-22

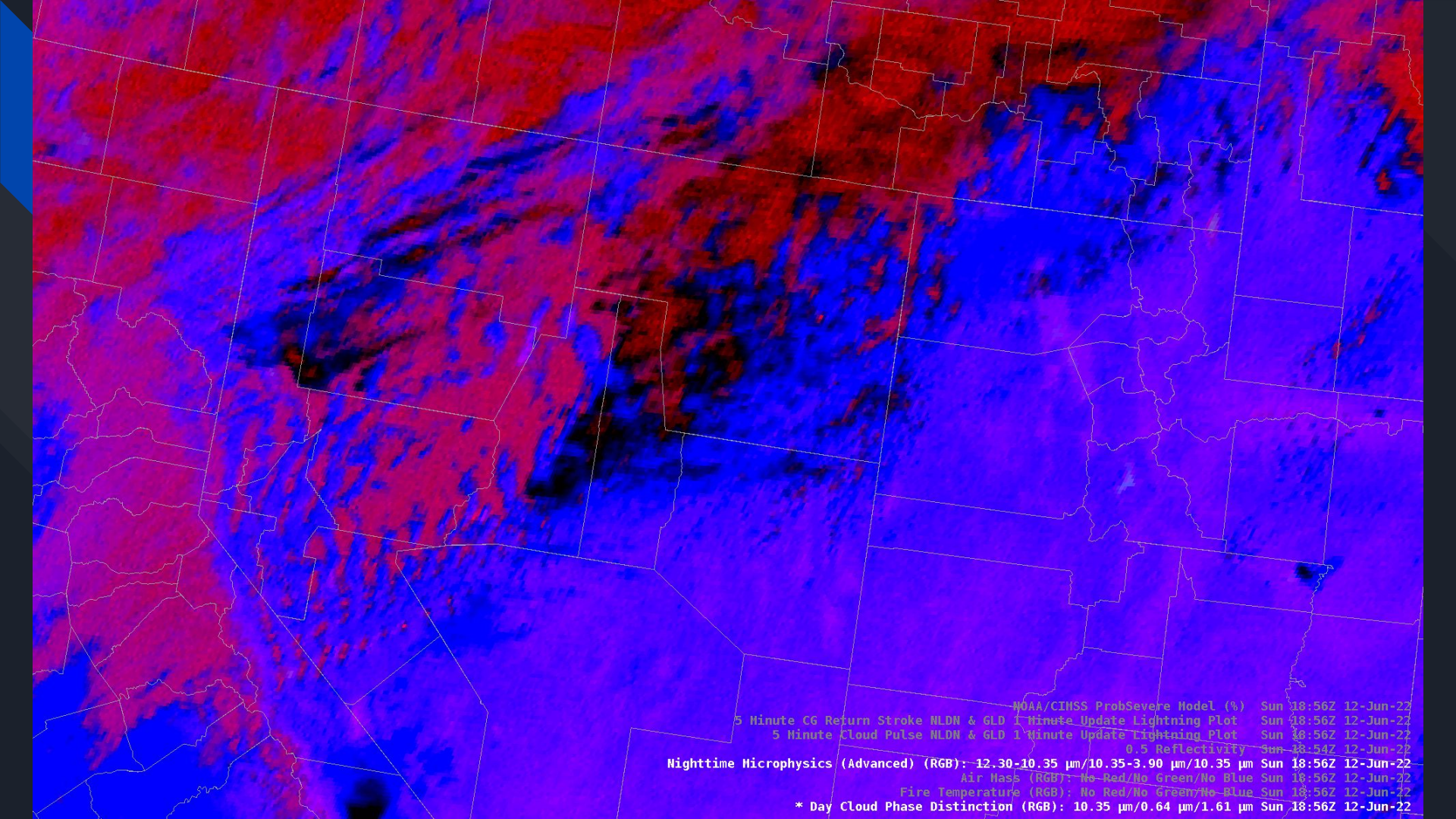
Fire Temperature (RGB): No Red/No Green/No Blue Sun 19:01Z 12-Jun-22

\* Day Cloud Phase Distinction (RGB): 10.35  $\mu$ m/0.64  $\mu$ m/1.64  $\mu$ m Sun 19:01Z 12-Jun-22









NOAA/CIMSS ProbSevere Model (%) Sun 18:56Z 12-Jun-22  
5 Minute CG Return Stroke NLDN & GLD 1 Minute Update Lightning Plot Sun 18:56Z 12-Jun-22  
5 Minute Cloud Pulse NLDN & GLD 1 Minute Update Lightning Plot Sun 18:56Z 12-Jun-22  
0.5 Reflectivity Sun 18:54Z 12-Jun-22  
Nighttime Microphysics (Advanced) (RGB): 12.30-10.35  $\mu\text{m}$ /10.35-3.90  $\mu\text{m}$ /10.35  $\mu\text{m}$  Sun 18:56Z 12-Jun-22  
Air Mass (RGB): No Red/No Green/No Blue Sun 18:56Z 12-Jun-22  
Fire Temperature (RGB): No Red/No Green/No Blue Sun 18:56Z 12-Jun-22  
\* Day Cloud Phase Distinction (RGB): 10.35  $\mu\text{m}$ /0.64  $\mu\text{m}$ /1.61  $\mu\text{m}$  Sun 18:56Z 12-Jun-22


























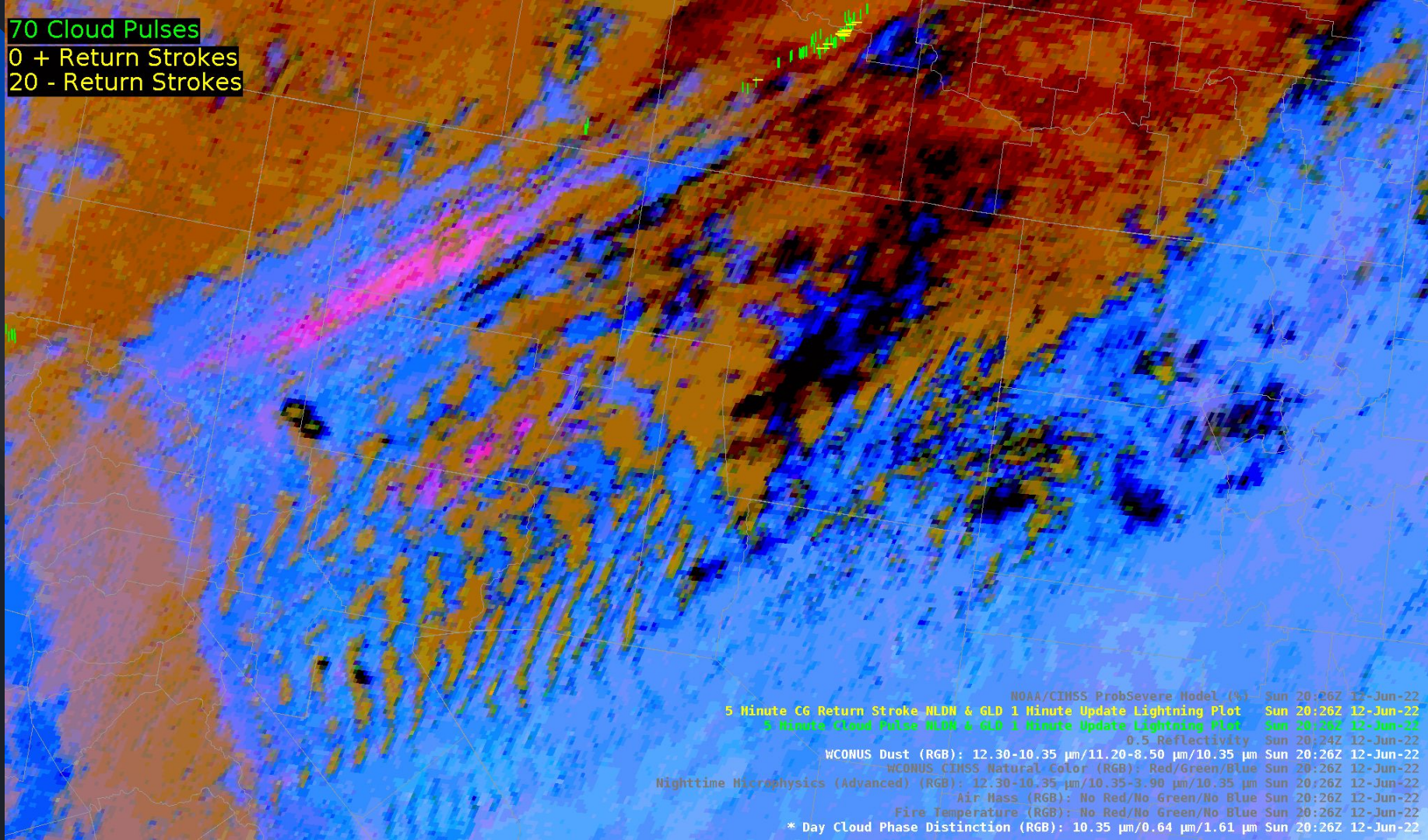
A blue parallelogram and a light green parallelogram are positioned in the upper-left corner of the slide. The blue shape is partially behind the green one. The background is a dark navy blue with faint, lighter blue diagonal stripes.

Day #2  
June 12th, 2022  
Slightly Later

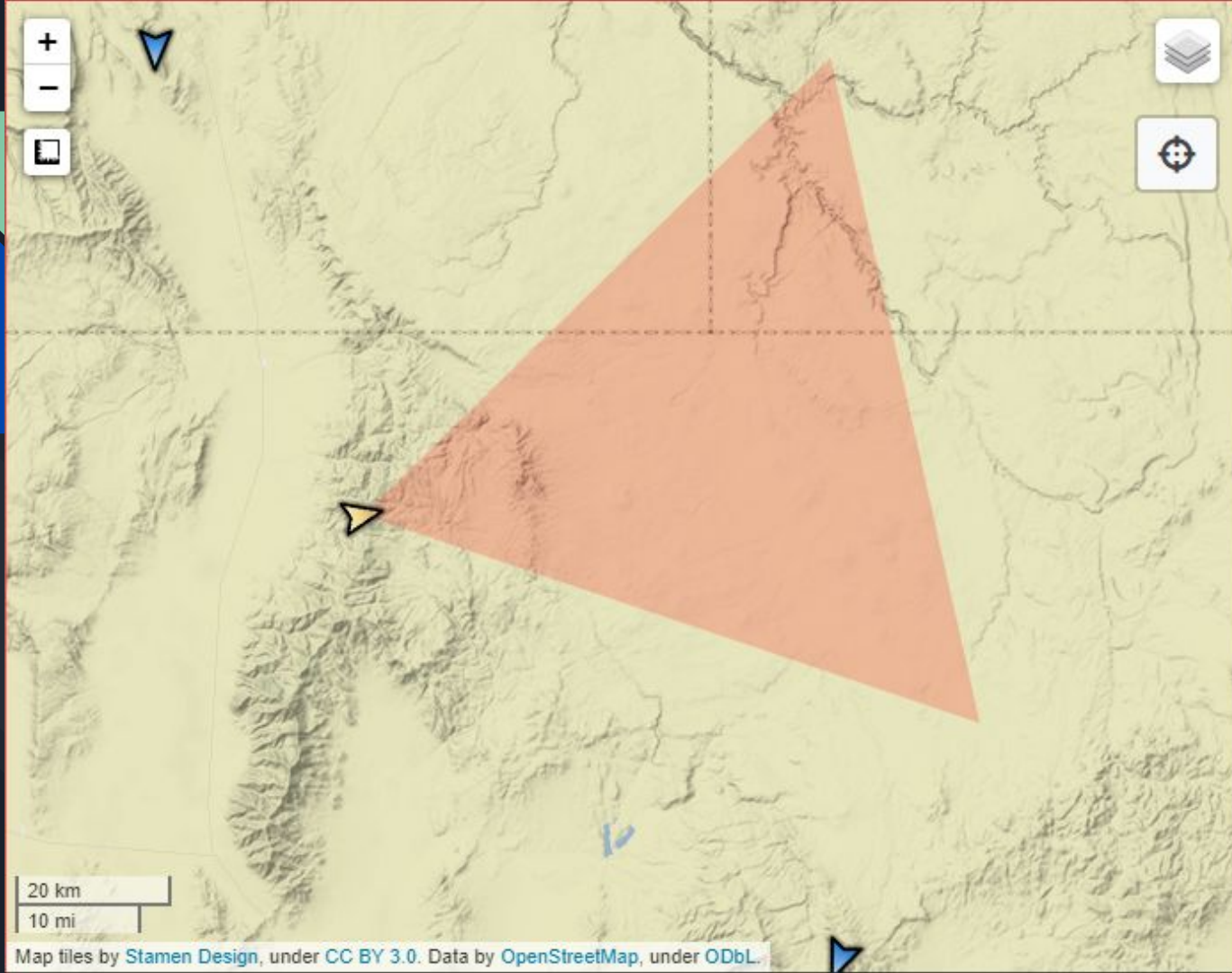
70 Cloud Pulses

0 + Return Strokes

20 - Return Strokes









0

1.00 mi

1.92 mi









# TakeAway

- Weather Satellite is a fantastic tool for both planning and keeping situational awareness for flight.

