

Jobsheet

GOES Sounder-Based Red-Green-Blue (RGB)

Airmass Product

ANSWER KEY

Question 1: Where does the product show diurnal variations?

Cloud free areas over land that are experiencing daytime heating, but particularly over New Mexico and West Texas where land is elevated and the atmosphere is dry.

Question 2: What components or channels do you think are responsible for the diurnal variations?

Channels 8 (11.03) IR window and 11 (7.43) weak water vapor