Abby Rinerson
Clouds Second Report
ATLS 4151-001
Stratocumulus
10/20/19 at 10:28 am
Utah - Indian Creek

This image was taken for the Clouds Second assignment. I intended to capture a nice image of clouds, framed by the landscape. I was interested in capturing clouds that were more distinct from my Clouds First assignment, which captured Altocumulus clouds, however I liked this image too much not to submit it. These clouds were captured at Indian Creek in Utah on October 20th at 10:28 am. I believe this image is facing east and the angle of the camera is about 20 degrees and almost parallel with the ground.

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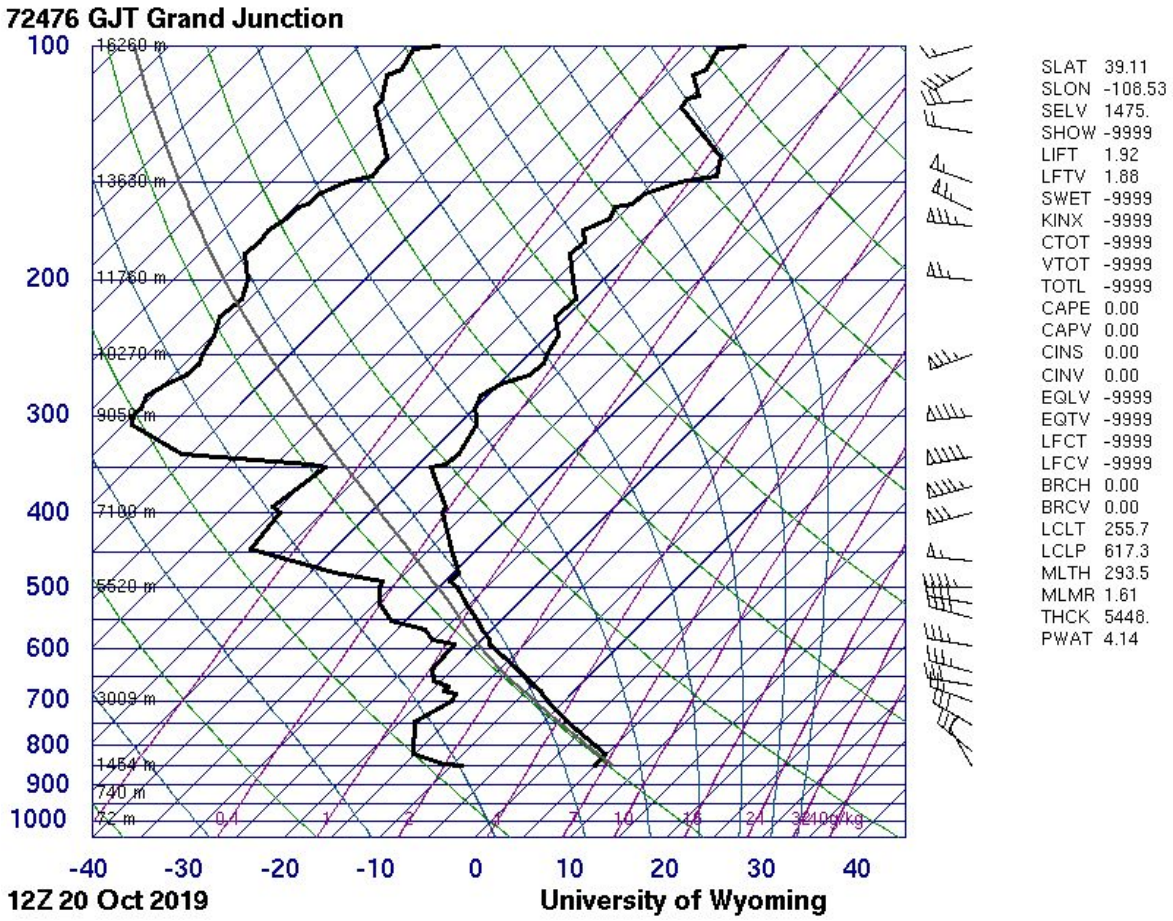

The clouds in the image and what the skew-t diagram indicates may be slightly off due to the location of the given skew-t. The image was taken near Moab and the closest skew-t diagram was in Grand Junction. I believe the clouds pictured are Stratocumulus clouds. These clouds form when moisture rises and condenses and “appear like cotton balls floating in the sky” (“Stratocumulus Clouds.”). The CAPE value is zero, indicating a stable atmosphere. The skew-t indicates clouds were around 3,000 to 8,000 meters in elevation and stratocumulus clouds are usually found at an elevation of 6,600 feet (about 2,000 meters) (Weatheronline.co.uk). The rest of the sky was clear and the day was calm, having rained the evening before.

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The field of view appears to be several miles long, as I did not zoom in a large amount. The image was taken on a Canon EOS 80D with a focal length of 35. The original image is 6,000 by 4,000 pixels and the final image is 5,306 by 3,537 pixels. The aperture was 10, the shutter speed was 1/400 and the ISO was 100. For editing, I used Lightroom to crop, rotate and adjust the image. The original image was slightly darker so I adjusted the light attributes in order to get a brighter and more visible image. The original image is shown below.

The image reveals how stratocumulus clouds appear during the day and their natural flow across the sky. I like how the image is framed and I really like the overall landscape as I don't think it takes too much away from the clouds.

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Citations

"Stratocumulus Clouds." *Names of Clouds*,
www.namesofclouds.com/types-of-clouds/stratocumulus-clouds.html.

Weatheronline.co.uk. "Stratocumulus." *WeatherOnline*,
www.weatheronline.co.uk/reports/wxfacts/Stratocumulus.htm.