My NASA Data - STEM Career Connections

Meet Ricky Brown, Software Engineer

Job Title

Software Engineer

Multimedia Resources

- J1-VIIRS
- NPP-VIIRS
- Aqua-MODIS
- Terra-MODIS

NASA Professional Profile

Meet Ricky Brown…

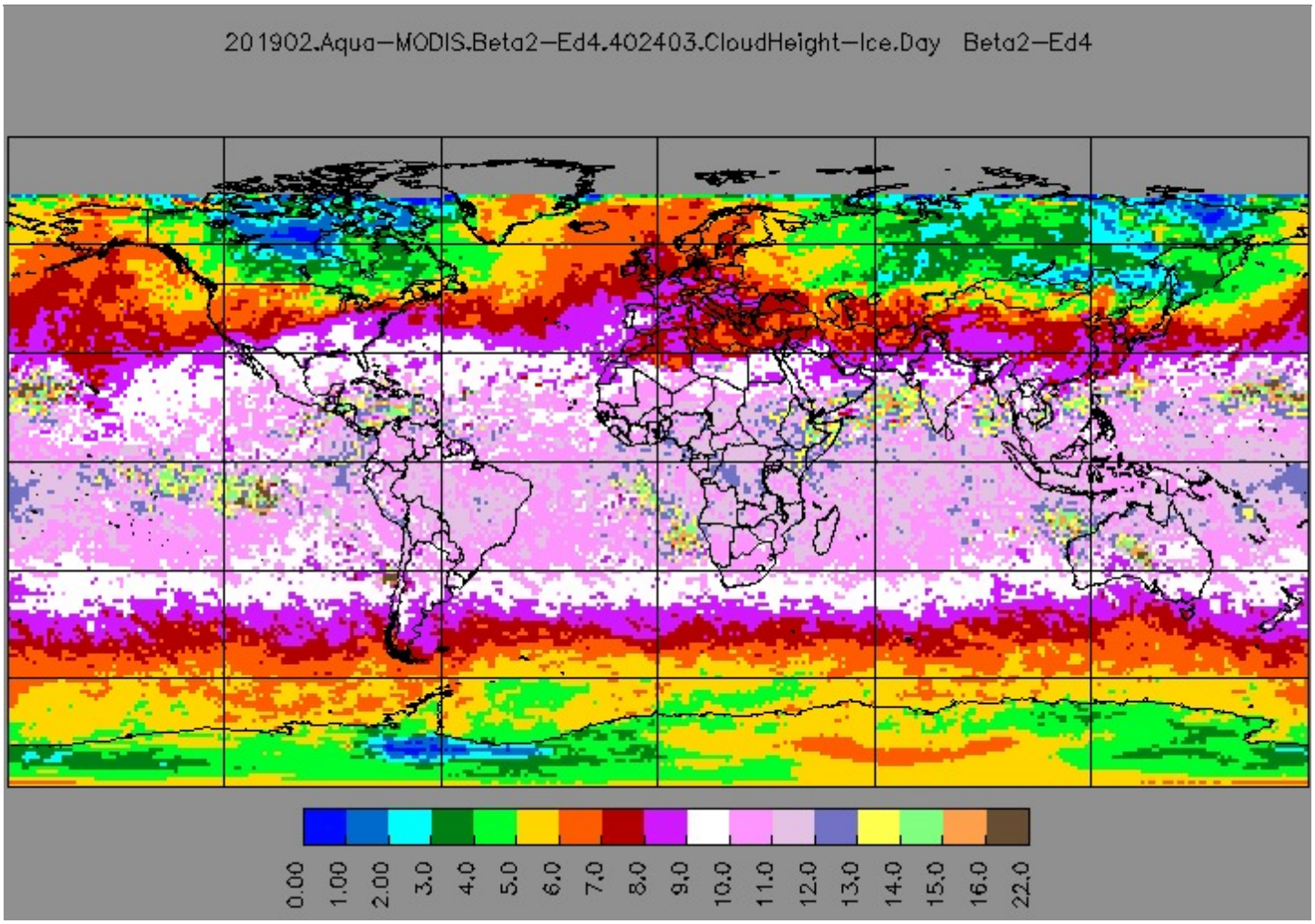
Ricky is a Software Engineer who works for the NASA Clouds and the Earth's Radiant Energy System (CERES) Project in Virginia with the group that specializes in clouds. He helps develop software to ensure that the satellite data collected about clouds are accurate and accessible.

Why is this important?

Scientists all over the world depend on NASA to provide accurate data so they can analyze our changing planet. People like Ricky are essential to ensuring these data are of the highest quality. His work helps others improve our understanding of the relationship between clouds and solar and longwave radiation, and ultimately, the Earth’s Energy Budget.

What else does Ricky do?

He creates visualizations and statistics from the CERES data for scientists and researchers to use when analyzing how the Earth’s energy budget is changing. These statistics and visualizations are used in research publications from scientists all across the world!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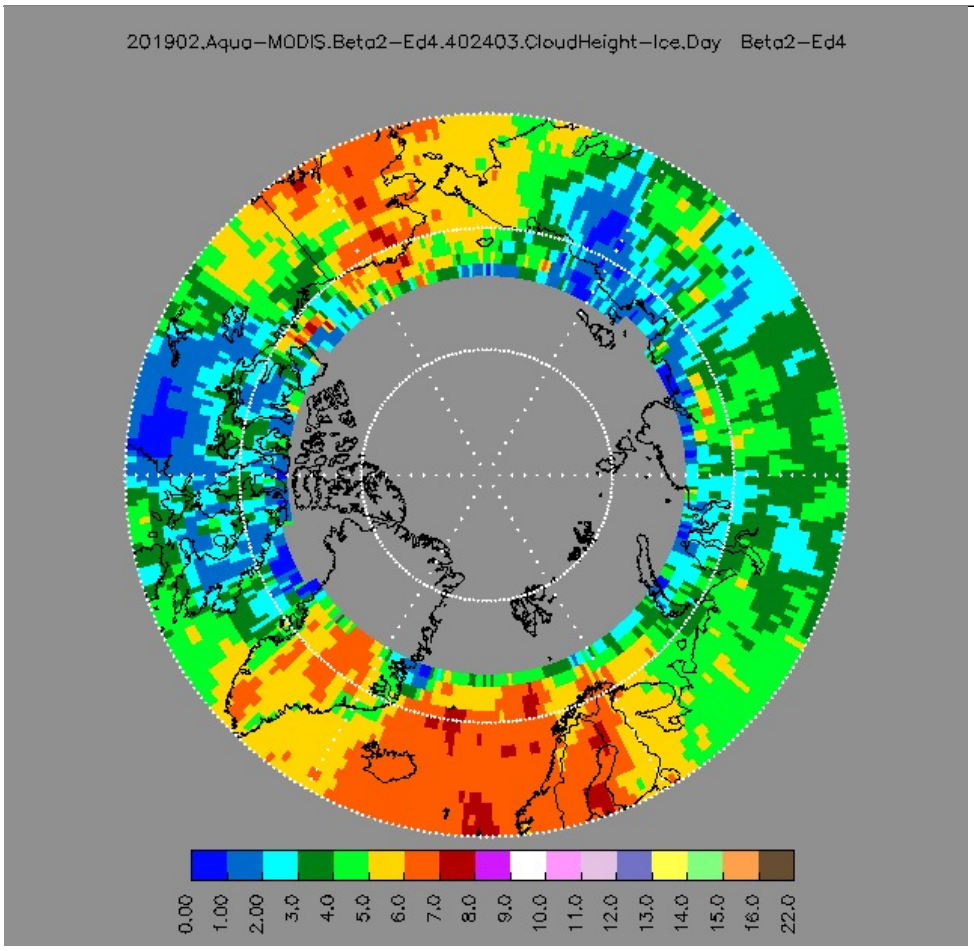
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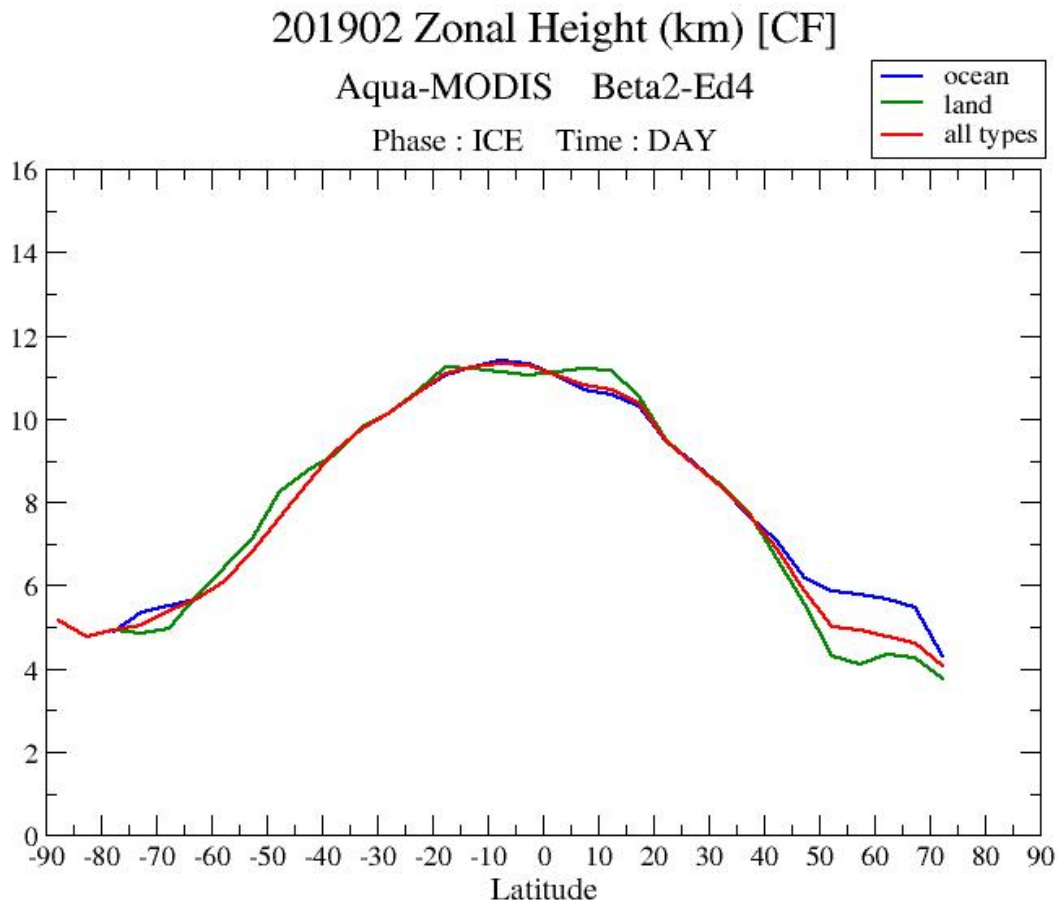
201902 Zonal Height (km) [CF]
Aqua-MODIS Beta2-Ed4
Phase : ICE Time : DAY
ocean
land
all types
16
14
12
10
8
6
4
2
0
-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90
Latitude

To learn more about the data and instruments that Ricky works with, visit the sites below:

- J1-VIIRS
- NPP-VIIRS
- Aqua-MODIS
- Terra-MODIS