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BYRD POLAR AND CLIMATE RESEARCH CENTER Bring a Science Snapshot to life! Share your masterpiece with us @ByrdPolar on Twitter, Facebook and Instagram!



Science Snapshot Coloring Book

Each of these sheets was created by Maria Burns, an OSU alumna, in collaboration with the researchers featured. Download sheets at go.osu.edu/ColoringBook/

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Allison Chartrand

Allison Chartrand is a Ph.D. candidate in the Glacier Dynamics Research Group at Byrd. She grew up in the glacially-formed hills of upstate New York, where she developed a love for frozen and liquid water sports — she once skied on snow and water in the same afternoon! Allison switched from a career in music to a career in science because of her fascination with glaciers, but she still plays French horn when she's not looking at ice.

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Michalea King

Michalea grew up in rural Ohio and was drawn to science by watching the sky: she enjoyed studying the stars through her dad's telescope and seeing clouds change shape as they rolled over her family's farm. Now, Michalea is a scientist researching how Earth's icy polar regions are changing. She has worked in Greenland, Antarctica, and Alaska.



Melisa Diaz

Melisa is a Latinx Ph.D. student and a National Science Foundation Graduate Research Fellow at The Ohio State University. Native to Massachusetts, Melisa is a cat fanatic and avid juggler. She once juggled rock hammers on the Shackleton Glacier! Melisa's research focuses on the soil geochemistry of ice-free areas in the Shackleton Glacier region of Antarctica.



Jerry Zou

Jerry Zou, a graduate student in the Atmospheric Sciences Program of the Department of Geography, joined the Polar Meteorology Group at the Byrd Center in 2016. Jerry joined Byrd because of the Weather Research and Forecast technology — and because of all the penguin decorations around the building.



Gabo Zeballos

Born and raised in Bolivia, Gabo has a deep passion for the natural and cultural history of the Andes and the Amazon. Gabo is interested in social justice and climate change resilience. He likes old maps, the smell of new books, and he would never say no to a basketball game or a chess challenge.



Forrest Schoessow

Forrest is a scientist and explorer who grew up free-range in the corn fields of Ohio. He's on a mission to understand and protect our home planet. When Forrest isn't in the laboratory, he's playing in the mountains.



Floods are one of the most common, widespread, and destructive natural disasters. Through her research, Apoorva strives to better understand floods and to mitigate their impact on people and society.

The arrangement of features of a landscape, called topography, is the most important input for flood models. However, globallyavailable Digital Elevation Models are not

accurate. Apoorva's research is aimed at improving these elevation models using remote sensing images and flood models.

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Apoorva has conducted flood research in the Logone Floodplain, Cameroon; Goldboro, North Carolina; and Tanzania. Since Apoorva's research is based on remote sensing and computer modeling, her most important equipment is a computer.

> During her PhD program, Apoorva spent the summer of 2017 in Alabama, where she attended the National Water Center Summer Institute. It gave her valuable experience in collaborating and working with fellow graduate students and professionals from across the country.

Apoorva Shastry

Apoorva Shastry is an Earth Scientist with a background in hydrology and remote sensing. She is most interested in studying flooding, because of its impact on people and society, especially in a changing climate. Her research is focused on understanding the importance of topography, the arrangement of features of a landscape, in building flood models.