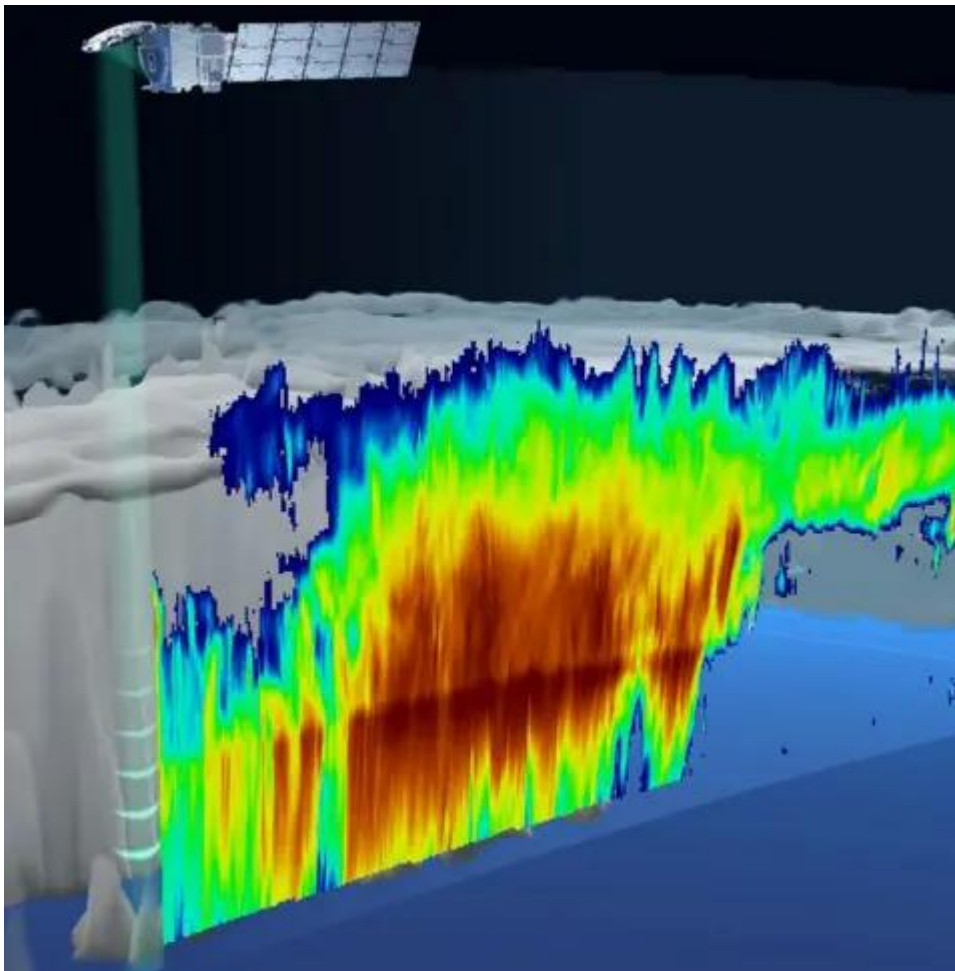


Satellite captures first-of-a-kind cloud image

27 June 2024

By Jonathan Amos, @BBCAmos, Science correspondent

Share



ESA.

The dark red

represents the highest density of ice crystals, snowflakes and raindrops

Our Introductory Comments

The BBC News article featured above (and below) focuses on clouds and new things scientists are learning about them. While clouds are common there is still a lot that humans don't know. But, God fully understands them, because he created, and controls, them, as the book of Job illustrates with word pictures 3,500 years ago:

“He wraps up the waters in his clouds, yet the clouds do not burst under their weight”—Job 26:8 NIV

“The clouds pour down their moisture and abundant showers fall on mankind, Who can understand how he spreads out the clouds”—Job 36:28,29 NIV

The Text of the BBC Article:

“A never-seen-before space image of the interior structure of a storm cloud has been released by the European and Japanese space agencies.

Their Earthcare satellite used a Doppler radar to capture the view.

The data reveals the density of ice, snow, and rain in the cloud, as well as the speed with which these particles are falling to Earth.

The novel Earthcare mission was launched in May to better understand how clouds influence the climate.

Scientists expect the €850m (£725m) spacecraft's observations to also improve weather forecasts.

The type of image it produces is routinely acquired by research planes and from ground installations, but not from orbit.

“I am absolutely thrilled to see the first radar images from Earthcare – for the first time ever

we can measure the fall speeds of ice crystals, raindrops and snowflakes around the whole globe, not just at a handful of ground-based radar stations,” said Dr Robin Hogan, a mission scientist from the European Centre for Medium-Range Weather Forecasts (ECMWF).

“This is a great technological achievement: we are using the tiny Doppler shift in the radar echo to infer fall speeds of only around one metre-per-second, and this is from a satellite that is hurtling round its orbit at 7km/s,” he told BBC News.

The sample cloud was observed over the Pacific Ocean, just east of Japan, on 13 June.”

Our Conclusion

Humans have learned a lot of things in the last 3,500 years, and yet, fully understanding all of God’s ways remains elusive, as the BBC article about clouds illustrates.

“These are just the beginning of all that he does, merely a whisper of his power. Who, then, can comprehend the thunder of his power”—Job 26:14 NLT

“We cannot imagine the power of the Almighty”—Job 37:24 NLT

Humans inability even today to fully understand God’s ways and creations simply underscore the Bible’s authenticity, and God’s Almightyness!.