

**BBC** WHERE WE'LL FIND THE SOLAR SYSTEM'S WATER

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# Sky at Night

THE UK'S BEST-SELLING ASTRONOMY MAGAZINE

## THE CATAclySMIC UNIVERSE

Why astronomers are so fascinated  
by things that explode in space

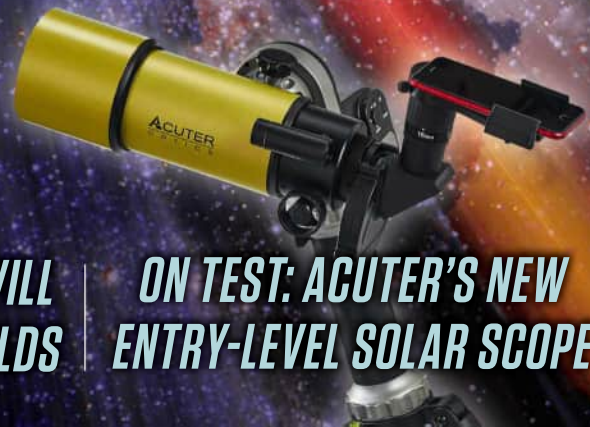
***DARK MATTER: HAVE WE GOT  
THE RULES OF GRAVITY WRONG?***

***STARS ON FILM: ASTROPHOTOS  
BEFORE THE DIGITAL AGE***

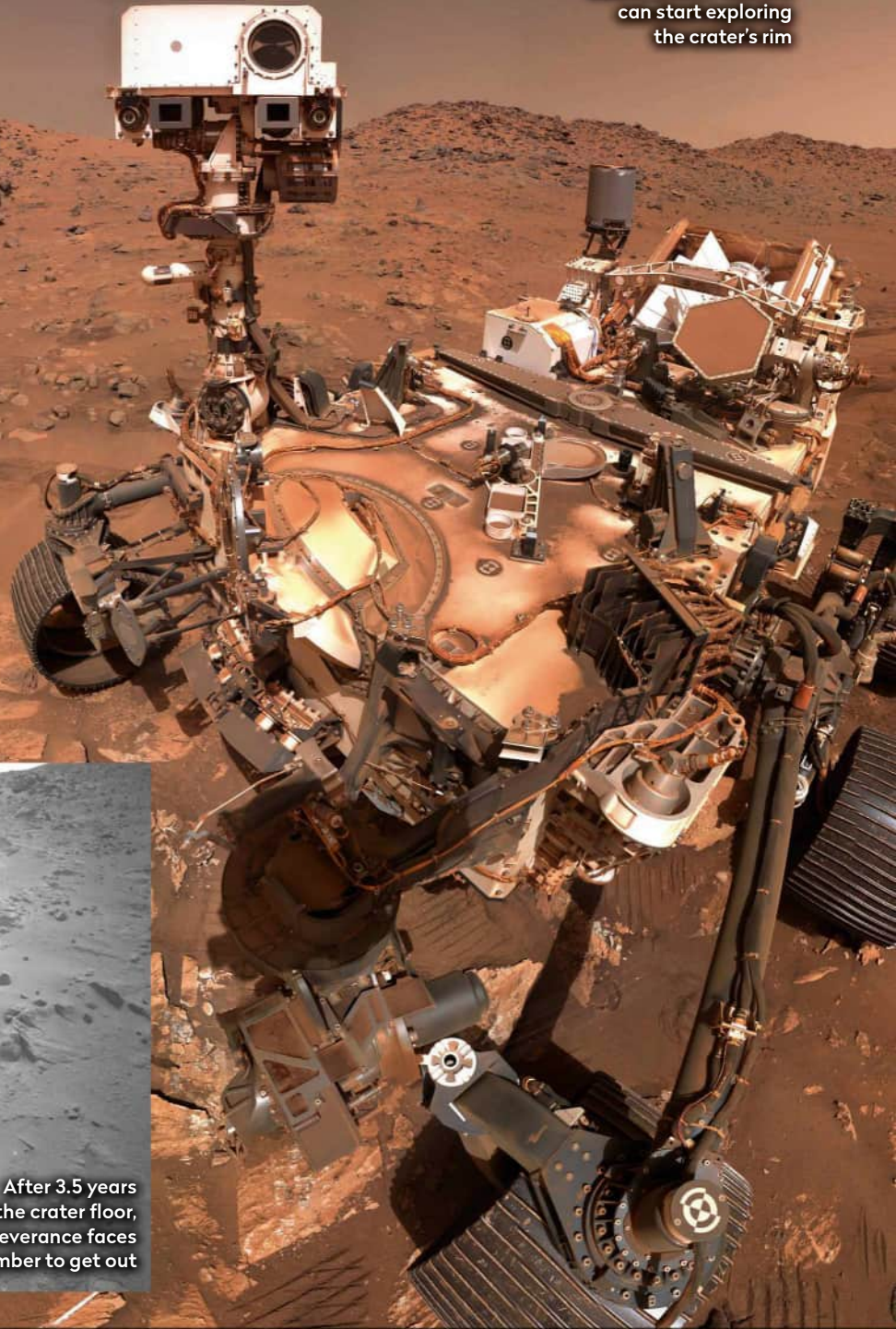
***WHICH METEOR SHOWERS  
POSE THE GREATEST THREAT?***

***THE MISSION THAT WILL  
SHOW US ALIEN WORLDS***

***ON TEST: ACUTER'S NEW  
ENTRY-LEVEL SOLAR SCOPE***



The six-wheeled vehicle's climb will take months, after which it can start exploring the crater's rim



After 3.5 years on the crater floor, Perseverance faces a clamber to get out

## Mars rover begins its long climb

The Perseverance rover has a steep journey ahead out of Jezero Crater

**Perseverance has begun** the long climb up out of Jezero Crater, the former riverbed it's been exploring since landing there on 18 February 2021.

The journey marks the start of Perseverance's fifth science campaign. It will take many months to climb to the crater's rim, rising through 300 metres

(1,000ft) of elevation. Though mission planners have picked out a route to avoid the steepest climbs, the rover will still have to navigate slopes of 23°. To put that into perspective, the UK's steepest street, Vale Street in Bristol, is just 22°.

"Perseverance has completed four science campaigns, collected 22 rock

cores and travelled over 18 unpaved miles," says Art Thompson, Perseverance's project manager from NASA's Jet Propulsion Laboratory. "As we start the Crater Rim Campaign, our rover is in excellent condition and the team is raring to see what's on the roof of this place." [www.jpl.nasa.gov](http://www.jpl.nasa.gov)