







2018 - 2021

## GRAND CHALLENGE

Quick Look

9 missions 12 rockets



NASA GSFC/WFF • Andoya Space Center • University of Oslo • JAXA • ISAS • Dartmouth College • University of Iowa • University of Alaska Fairbanks • Clemson University • University of Colorado



## GRAND CHALLENGE INITIATIVE - CUSP

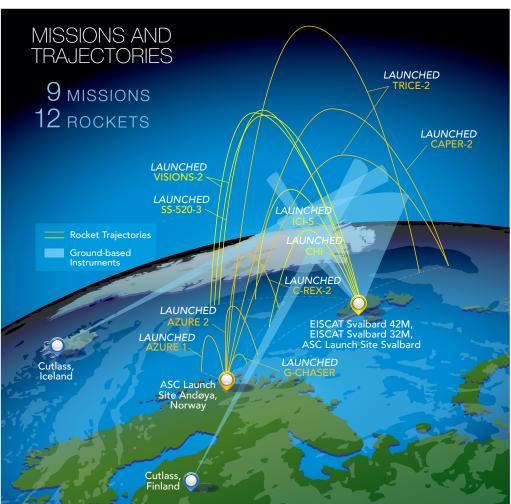


## SOUNDING ROCKET FAST FACTS

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- Known as sounding rockets for the nautical term "to sound," meaning to measure, these rockets reach a region between 30 and 800 miles above Earth's surface.
- The lower end of this region is otherwise inaccessible, as it's above the maximum altitude for scientific balloons and below the minimum for satellites.
- The flight is a simple parabolic trajectory and flight time is less than 20 minutes—providing just 5 to 10 solid minutes of scientific observations from space.







ICI-5



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For more information, please visit: http://www.grandchallenge.no