

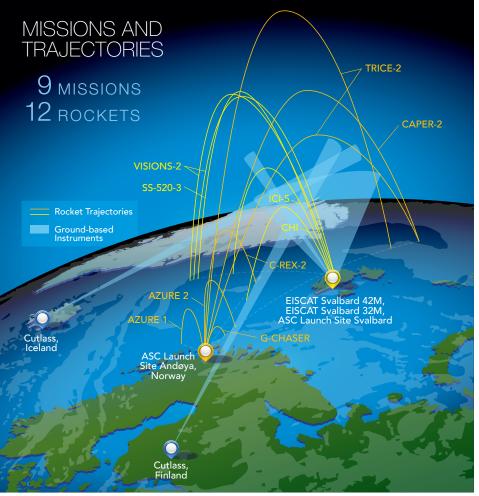
2018/2019 GRA LENGE Quick Look 9 MISSIONS 12 ROCKETS

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 2017-20 CHALLENGE

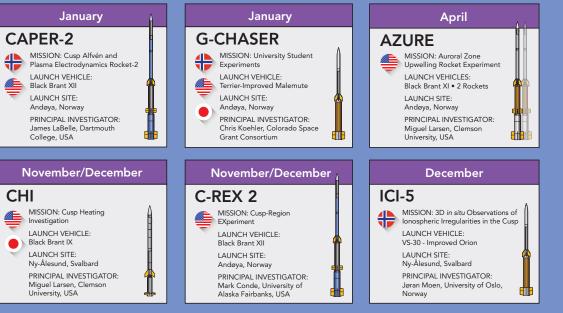
FEGRAND CHALLENGE INITIATIVE - CUSP





SOUNDING ROCKET FAST FACTS

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.



end of this region is otherwise inaccessible, as it's above the maximum altitude for scientific balloons and below the minimum for satellites.

The lower

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.

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