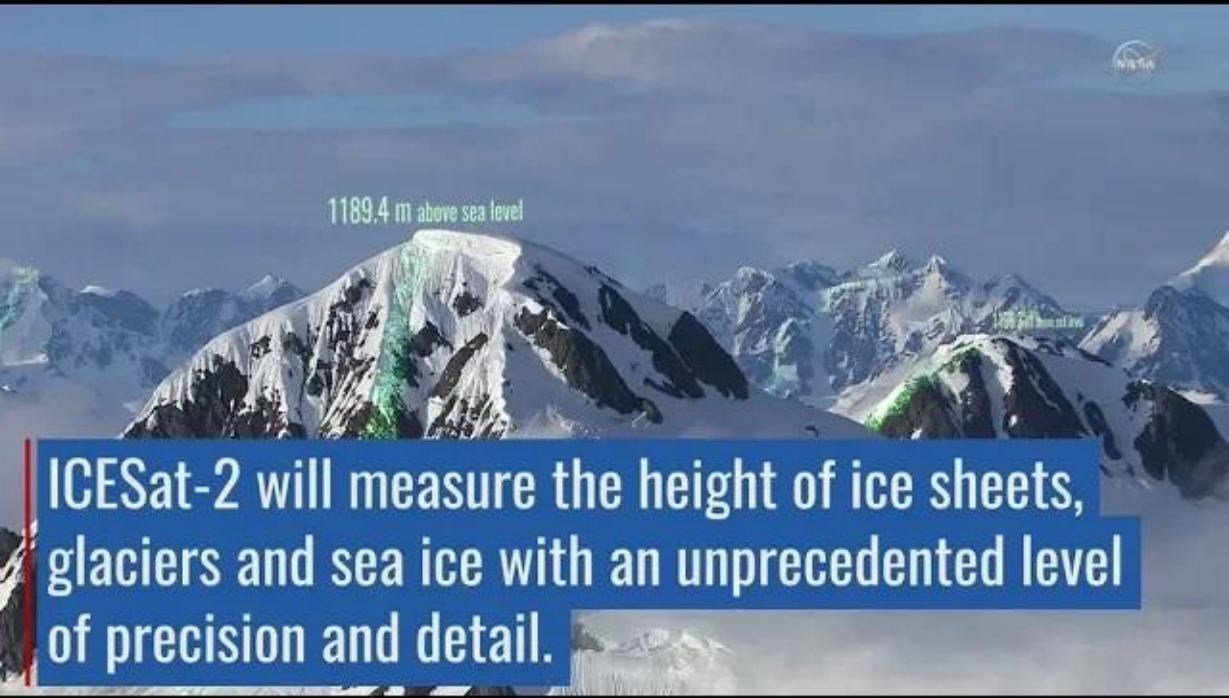
1189.4 m above sea level
ICESat-2 will measure the height of ice sheets, glaciers and sea ice with an unprecedented level of precision and detail.

1
00:00:00,050 --> 00:00:04,050
The Ice, Cloud and land Elevation Satellite-2 (ICESat-2) will add the third dimension to our study of Earth.

2
00:00:08,120 --> 00:00:12,140
ICESat-2 will measure the height of ice sheets, glaciers and sea ice with an unprecedented level of precision a

3
00:00:16,210 --> 00:00:20,220
To do this, ICESat-2 will fly the most advanced laser altimeter NASA has ever launched.

4
00:00:20,240 --> 00:00:24,250
The laser fires 10,000 pulses of light a second.

5
00:00:24,270 --> 00:00:28,290
The instrument measures the time of flight of individual photons, down to Earth and back, within a billionth of a

6
00:00:32,340 --> 00:00:36,340
With this new technology, ICESat-2 will track annual ice sheet change to a fraction of a centimeter.