
1900-2000
Accumulated Mass Change (Gigatons)
-30
-20
-10
0
10
20
30

1
00:00:01,240 --> 00:00:04,040
A new NASA-led study tells a complicated story

2
00:00:05,960 --> 00:00:10,730
Snowfall over Antarctica increased on average between the years 1901 and 2000

3
00:00:11,700 --> 00:00:14,930
Mitigating sea level rise by 0.4 inches

4
00:00:15,990 --> 00:00:18,130
Red = less snow

5
00:00:18,830 --> 00:00:21,500
Blue = more snow

6
00:00:24,980 --> 00:00:28,560
However, that doesn’t mean that the Antarctic ice sheet has stopped shrinking

7
00:00:29,610 --> 00:00:32,280
Or that sea level rise is slowing down

8
00:00:33,750 --> 00:00:36,390
Sea level is directly affected by changes in snowfall

9
00:00:36,390 --> 00:00:40,230
The amount of snow controls how much water is locked up in ice sheets

10
00:00:41,330 --> 00:00:46,000
Even with the extra snowfall, the Antarctic ice sheet is still melting due to a warming climate

11
00:00:46,810 --> 00:00:49,170
Findings reveal that without these gains, the planet could have experienced

12
00:00:49,170 --> 00:00:52,240
Even more sea level rise during the 20th century

13
00:00:54,070 --> 00:00:57,860

But extra ice gained from more snow only makes up for a third of the current ice loss