



SUN EARTH DAY

The Top 5 Solar Discoveries

1
00:00:06,390 --> 00:00:03,990
from a spy glass to satellites our

2
00:00:09,350 --> 00:00:06,400
backyard to the very edge of our solar

3
00:00:11,270 --> 00:00:09,360
system every culture on every continent

4
00:00:12,870 --> 00:00:11,280
has observed the sun

5
00:00:15,110 --> 00:00:12,880
we have been searching for the answers

6
00:00:17,910 --> 00:00:15,120
to the mysteries of time and the seasons

7
00:00:19,349 --> 00:00:17,920
the web of life on earth and our place

8
00:00:21,670 --> 00:00:19,359
in the universe

9
00:00:23,750 --> 00:00:21,680
our sun has always been more than a ball

10
00:00:25,750 --> 00:00:23,760
of heat and light

11
00:00:28,310 --> 00:00:25,760
our sun through curious minds and

12
00:00:30,630 --> 00:00:28,320
innovative technology has allowed us to

13
00:00:33,510 --> 00:00:30,640

explore how the northern lights dance

14
00:00:50,709 --> 00:00:33,520
and how our solar system may have formed

15
00:00:55,270 --> 00:00:52,869
before sophisticated satellites brought

16
00:00:58,069 --> 00:00:55,280
us vibrant images and wavelengths beyond

17
00:00:59,029 --> 00:00:58,079
our senses people simply looked at the

18
00:01:01,430 --> 00:00:59,039
sun

19
00:01:04,950 --> 00:01:01,440
although he was not alone in his pursuit

20
00:01:07,510 --> 00:01:04,960
in 1609 galileo galilei pioneered the

21
00:01:10,950 --> 00:01:07,520
use of the telescope in order to observe

22
00:01:16,710 --> 00:01:13,350
his detailed sketches produced over the

23
00:01:19,190 --> 00:01:16,720
summer in 1612 revealed that the sun was

24
00:01:23,510 --> 00:01:19,200
not a static orb in the sky but a

25
00:01:28,230 --> 00:01:26,070
galileo's solar discoveries sparked an

26

00:01:29,910 --> 00:01:28,240

academic interest in the sun leading

27

00:01:32,390 --> 00:01:29,920

astronomers around the world to

28

00:01:33,670 --> 00:01:32,400

investigate how the sun shapes life on

29

00:01:35,910 --> 00:01:33,680

earth

30

00:01:38,710 --> 00:01:35,920

400 years later astronomers with

31

00:01:40,789 --> 00:01:38,720

increasingly complex satellite imagers