

A hand is shown pointing towards the right side of the frame, with the index finger extended. The background is a blurred, light blue-grey color. Overlaid on the left side of the image is the text 'GPS | Global Positioning System' in a white, sans-serif font. The 'GPS' is in a larger font size than the rest of the text. A vertical line separates 'GPS' from 'Global Positioning System'.

GPS | Global  
Positioning  
System

1  
00:00:00,010 --> 00:00:03,480

[ Music ]

2  
00:00:03,500 --> 00:00:08,980

Although most people haven't heard of geodesy, one geodetic technique is GPS.

3  
00:00:09,000 --> 00:00:16,780

[ GPS voice: Please drive to highlighted route. ] The GPS in your car can get to your location within let's say ten

4  
00:00:16,800 --> 00:00:27,120

However for measuring plate tectonics, or other geophysical parameters, scientists need instruments that can

5  
00:00:27,140 --> 00:00:32,950

And the network of GPS receivers that we use can provide that.

6  
00:00:32,970 --> 00:00:38,680

My name is Carey Noll. I'm a computer scientist in the Solar System Exploration Division.

7  
00:00:38,700 --> 00:00:44,130

I'm also the manager of the Crustal Dynamics Data Information System, or the CDDIS.

8  
00:00:44,150 --> 00:00:48,430

The CDDIS is NASA's archive of space geodesy data and products.

9  
00:00:48,450 --> 00:00:58,380

A typical day at the CDDIS involves checking to make sure that what went on over the evening, through all of our

10  
00:00:58,400 --> 00:01:06,980

I meet with the staff to make sure that everything is working correctly, but we also are developing new applications

11  
00:01:07,000 --> 00:01:16,980

And then there's also answering tons of email every day to help users find what they're looking for, archive new

12  
00:01:17,000 --> 00:01:21,580

helping them use the data and the products that we have in the CDDIS.

13  
00:01:21,600 --> 00:01:29,880

Well, I probably should say that the most exciting part of working here at Goddard was that I met my future hus

14

00:01:29,900 --> 00:01:35,930

But being here at Goddard, working with some of the brightest scientists in the world, is a very rewarding thing,

15

00:01:35,950 --> 00:01:42,950

as well as enabling those scientists to do their research through what we do at the CDDIS.

16

00:01:42,970 --> 00:01:49,080

I've been working at Goddard for over thirty-one years and it's been a very rewarding experience.