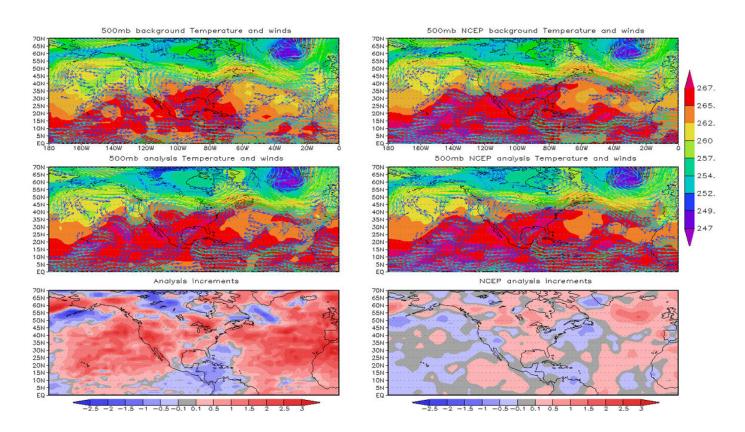
# **My NASA Data - STEM Career Connections**

### **MATHEMATICS: Mathematical Modeler**



### **Education**

Mathematical modelers require a minimum of a bachelor's degree in mathematics, followed by a master's or Ph.D. degree in applied mathematics. Industry software certifications are also essential.

### **Related Fields**

- Machine Learning Research Scientist <u>Link</u>
- · Cognitive Algorithms Research Scientist Link

### **Work Description**

Mathematical modelers use mathematics to create models that demonstrate complex processes or solve problems. Many mathematical modelers use their skills to create and animate 3D representations of their processes with the assistance of software technology.

## Why is this job Important?

Mathematical modelers are important because they help us understand phenomena and predict how they will behave over time. They also provide insights into how these phenomena interact with one another.

### **NASA Connections**

### **Job Title NASA Examples:**

- Data modeler
- Mathematical Statistician?????

### **NASA Career Links:**

- NASA Careers
- NASA Internships & Fellowships Pathways
- NASA Student Volunteer Program