

Field Project Worksheet

My name:
Team members:

Our Scenario:

Research:

1. What research questions could you ask in order to learn what you need to know for your scenario? What do you want to know? (Hint: look at the scenario titles.)
2. Which field project will help you answer your research question and learn more about your scenario? Once you have filled this out, check with your teacher to make sure you've selected the correct field project.
3. Which research equipment have you selected to conduct your field project? First, select one or more platforms, and then select instruments to go on the platforms. Check off these items from the list below.

Platforms:

- Research Ship
- High-flying Research Aircraft
- Low-flying Research Aircraft
- Research Truck

Instruments:

- Greenhouse Gas Sensors
- Truck-mounted Radar
- Fixed Ground-based Radar
- Weather Balloon
- Lightning Map Array
- Buoy System
- Cloud Droplet Sensor
- Dropsonde
- Ship-based Radar
- Solar Radiation Sensor
- Ocean Salinity & Temperature Sensor
- Particle Sensor

4. Summarize the types of data produced by this field project. (Hint: look at the graphs and titles/captions for the graphs.)



Field Projects: Science in Action

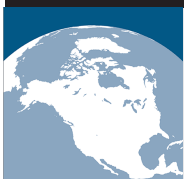
Activity by Becca Hatheway, UCAR Center for Science Education and Alison Rockwell, Earth Observing Laboratory, NCAR
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5. After discussing the Data Discussion Questions with your group, record answers to the three questions here:

Conclusions:

6. Scientists are still analyzing the data from this field project and scientific conclusions of this research aren't available yet. Read the research summary on the Field Project Fact Sheet and look over everything you've written about the field project on this worksheet. What has this activity taught you about the process of science?
7. How has the research from this field project benefitted society? Why do these findings matter to you and your future?
8. Do these findings help address the real-world scenario you started with? What is the evidence to support your findings?



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