

INTRODUCTION

BACKGROUND

**EXPERIMENT
DESIGN**

ANALYSIS PLAN

CONCLUSION

REFERENCES

This section is an introduction to your project and science question.

This section includes background information about the specific features you are studying.

This section includes the step-by-step process detailing exactly what you will do to collect your data so that other scientists can rely on and repeat your experiment.

This section includes how you plan to list and display your data in order to analyze it.

This section includes a summary of what your team is proposing to do.

This section includes a list of all sources of information used to create your science proposal.

What is your science question?

Why do you think your science question is important and interesting?

List any hypotheses you may have of what the answer(s) might be to your science question.

List definitions, specific knowledge, and hypotheses from other scientists about your geologic feature(s) on Mars as it relates to your science question?

Show what your feature(s) look like on Mars in selected images, sketches, or pictures.

Show how your features are thought to form (the geologic process) on Mars and Earth in a sketch or image.

During your preliminary background research what geographic regions did you observe these features on Mars?

What specific spacecraft and camera will you use to collect your data?

As part of your experiment design, what geologic feature(s) will you focus on for your study and why?

What website(s) will you use to gather your data and how will you use it (them)?

How many THEMIS images will you need to gather in order to answer your science question?

As part of your experiment design what specific information do you plan to record in a table (Image ID#, latitude, longitude, specific features, etc.) from each image you observe, and why?

What measurements do you plan to make, if any?

What tables, graphs, and maps can you make to illustrate your data?

Restate your science question.

Restate your hypotheses.

Restate why it is important to answer your question and why your proposal should be accepted for your team to use the THEMIS visible camera.

A list of any books, websites, people, and equipment used to obtain information for your proposal.

