

**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.**

