

Down To Earth: Mission Sensor Watch

Criteria	Accomplished	Proficient	Developing	Beginning
Identification of Heat Islands	Accurately identifies all potential heat islands in the community using satellite imagery, providing clear evidence and justification for each area identified.	Accurately identifies most major heat islands in the community using satellite imagery, with some evidence and justification provided.	Identifies some heat islands in the community, but with limited use of satellite imagery and minimal evidence.	Fails to identify any significant heat islands or provides no evidence from satellite imagery.
Analysis of Heat Island Causes	Provides a thorough analysis of the topographical features and land use patterns that contribute to the formation of heat islands. Demonstrates a deep understanding of the underlying causes.	Provides a reasonable analysis of the key factors contributing to heat islands, using the satellite imagery and other information.	Attempts to analyze the causes of heat islands, but analysis is incomplete or lacks sufficient detail.	Little to no analysis of the causes of heat islands, or analysis is inaccurate or irrelevant.
Proposed Solutions	Proposes highly effective, innovative, and feasible solutions to address the heat islands, with clear explanations of how each solution would reduce the impact. Solutions are well-aligned with the identified problems.	Proposes reasonable solutions to address the heat islands, with some explanation of how the solutions would be effective. Solutions are generally aligned with the identified problems.	Proposes limited or somewhat ineffective solutions, with minimal explanation of how they would address the heat islands. Solutions may not be well-aligned with the identified problems.	Fails to propose any viable solutions or provides solutions that are clearly ineffective or inappropriate for addressing the heat islands.
Communication and Presentation	Presents the investigation and proposed solutions in a clear, well-organized, and visually appealing manner. Uses appropriate terminology, data visualizations, and supporting evidence to effectively communicate findings.	Presents the investigation and proposed solutions in a generally clear and organized manner, with appropriate use of terminology, data, and visuals.	Communication is somewhat disorganized or lacks clarity, with inconsistent use of terminology, data, and visuals.	Communication is unclear, disorganized, and lacks appropriate use of terminology, data, and visuals.