Judge: **Judge:** **Project #** **Time:** **School:**
Student(s): **Project Title:**

Part A: SCIENTIFIC THOUGHT and CREATIVITY (Maximum: 50 points)							
Scientific Thought (Indicate type of project by marking box in appropriate column.)				**Creative Ability**			
				Satisfactory	**Good**	**Very Good**	**Outstanding**
Experiment An investigation undertaken to test a specific hypothesis using experiments.		**Investigation** A collection and analysis of data to reveal evidence of a fact or situation of scientific interest. It could include a study of cause and effect relationships involving ecological, social, political or economic considerations; in-depth studies; theoretical investigations.	**Technology** Involving the development and evaluation of innovative devices, models or techniques or approaches in fields such as technology, engineering or computers (both hardware and software).	A textbook or magazine type project with some small student input, average or common design, little imagination.	A project on a current or common topic, using commonly available resources. A standard approach, fair to good design, common use of equipment. Some creativity demonstrated.	An imaginative project with available resources well used. Well thought out approach, extends topic from the ordinary and shows creativity in design and/or use of equipment.	A highly original project or a novel approach. Shows resourcefulness and creativity in design, use of equipment, and/or construction of project.
Lab Assistant	Duplicating a known experiment to confirm the hypothesis. The hypothesis is totally predictable.	Study of printed material related to the basic issue.	Building models (devices) to duplicate existing technology.	**25 26** **27 28**	**29 30** **31 32**	**33 34** **35 36**	**37 38** **39 40**
Apprentice	Extend a known experiment through modifications of procedures, data gathering and application.	Study of material collected through personal observations. Display attempts to address a specific issue.	Make improvements to, or demonstrate new applications for existing technological systems or equipment and be able to justify them.	**30 31** **32 33**	**34 35** **36 37**	**38 39** **40 41**	**42 43** **44 45**
Scientist	Devise and carry out an original experiment with controls. Variables are identified and some significant variables are controlled.	Study based on observations and literature research illustrating various options for dealing with a relevant issue. Appropriate statistical analysis, in relation to some significant variables.	Design and build innovative technology or provide adaptations to existing technology that will have economic applications and or human benefit.	**35 36** **37 38**	**39 40** **41 42**	**43 44** **45 46**	**47 48** **49 50**

Part B: DISPLAY (15 points)

SKILL

* Is the presentation neat and carefully done?
* Is the layout logical and self-explanatory?
* Is the content clearly and logically presented?
* Are acknowledgments and bibliography included?
* Does it have impact?
* Do the background, table and displays meld together?

1 2 3 4 5
6 7 8 9 10
11 12 13 14 15
(circle one mark)

Part C: WEATHER DATA (15 points)

HIGH Pts.: Mesonet/ARM data or other weather data is highly related and necessary to solve project's purpose or problem.

LOW Pts.: Weather data is not related to project's purpose or problem.

1 2 3 4 5
6 7 8 9 10
11 12 13 14 15
(circle one mark)

Part D: METHODOLOGY (5 points)

Are the hypothesis, data, results, and conclusions consistent with each other?

1 2 3 4 5
(circle one mark)

Part E: INTERVIEW (15 points)

LEVEL OF UNDERSTANDING
(Select one)

Student is unsure of the material or the process of the project and has difficulty answering questions about the project. ☐

OR

Student can summarize the project adequately and can answer the majority of questions about the project. ☐

OR

Student explains the project well and can answer all questions about the project clearly and logically. ☐

PRESENTATION
Logic, poise, confidence, fluency, and enthusiasm
(circle one mark)

1 2 3 4 5
6 7 8 9 10
11 12 13 14 15

Comments:

SUMMARY of POINTS

Part A: _____ / 50
Part B: _____ / 15
Part C: _____ / 15
Part D: _____ / 5
Part E: _____ / 15

TOTAL: _____ / 100

Judge 1 Score + Judge 2 Score / 2 = Final Score

Final Score _____

Award Eligibility
(circle one)

Scores 100 to 80 = Superior

Scores 79 to 60 = Excellent

Scores 59 to 40 = Honorable Mention