

NTRD Program Disclaimers

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**Texas Commission on Environmental Quality
New Technology Research & Development (NTRD) Program
Monthly Project Status Report**

Contract Number: 582-5-70807-0016

Grantee: Valparaiso University

Date Submitted: 10/31/05

Report for the **Monthly** period: January – June 2005

Starting Date 9/1/05 Ending Date 9/30/05

Section I. Accomplishments *(Please provide a bulleted list of project accomplishments as well as a description of their importance to the project.)* **Indicate which part of the Grant Activities as defined in the grant agreement, the above accomplishments are related to:**

- We launched 3 ozonesondes in September (2.2.2.1, 2.2.2.2)
- Data from our launches is available on the project web site:
www.ruf.rice.edu/~ozone (2.2.6)

Section II: Problems/Solutions

<p>Problem(s) Identified</p> <p><i>(Please report anticipated or unanticipated problem(s) encountered and its effect on the progress of the project)</i></p>	<ul style="list-style-type: none"> • The relief operations for Hurricane Katrina based in Houston involved many helicopters. As a result, FAA was reluctant to having us launch our ozonesondes as frequently as we might have liked. • The arrival of Hurricane Rita prevented launches in late September as my students and Houstonians evacuated.
<p>Proposed Solution(s)</p> <p><i>(Please report any possible solution(s) to the problem(s) that were considered/encountered)</i></p>	<ul style="list-style-type: none"> • Revise launch schedule. • Launch when safe to do so.
<p>Action(s) Conducted and Results</p> <p><i>(Please describe the action(s) taken to resolve the problem(s) and its effect)</i></p>	<ul style="list-style-type: none"> • Undergraduate students from Rice U. continue to plan launches at least 2 times per month during the school year so that we can get an idea of the annual variability of ozone profiles over Houston (2.2.2.1 and 2.2.2.2).

Section III. Goals and Issues for Succeeding Period: *(Please provide a brief description of the goal(s) you hope to realize in the coming period and identify any notable challenges that can be foreseen)*

We were able to launch 3 times during September. The active hurricane season and the involvement of Houston in two named storms limited our launch schedule during September.

Scott Hersey continues his senior honors project this fall analyzing the data gathered as part of this grant (Task 5). He also has trained another undergraduate student (a freshman) to prepare and launch ozonesondes (2.1.3).

NOTE: *Please attach any additional information that you feel should be a part of your report or that may be required to meet the deliverable requirements for tasks completed during this reporting period.*

Authorized Project Representative's Signature

Date: _____