

## **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: 8/9/06

Report for the **Monthly** period: July 2006

Starting Date 7/1/06

Ending Date 7/31/06

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 had 1 launch in July from each of Lamar University in Beaumont, Stephen F. Austin State University in Nacogdoches, and Texas A&M University in College Station, (July 13, 18, and 28, respectively) (Task #4).
- We had 7 launches in July from Rice University in Houston, TX (July 12, 15, 19, 21, 27, 29, 31) (Task #2).
- Data from our launches is available on the project web site:  
[www.ruf.rice.edu/~ozone](http://www.ruf.rice.edu/~ozone) (Task #6)

Section II: Problems/Solutions

<p><b>Problem(s) Identified</b></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"> <li>• Bad tank of helium gas in Beaumont.</li> <li>• Poor signal quality caused by faulty preamplifier</li> <li>• Rain caused several launches in early July to be cancelled</li> <li>• Laboratory space no longer available at Rice University</li> </ul>
<p><b>Proposed Solution(s)</b></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"> <li>• Borrowed good helium from Lamar University. Will use different vendor for helium in Beaumont, due to repeated poor helium quality</li> <li>• Receiver preamplifier should be replaced.</li> <li>• Diligently watch radar and try to launch before storms build (some weather is unavoidable).</li> <li>• New laboratory space should be identified at another location</li> </ul>
<p><b>Action(s) Conducted and Results</b></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"> <li>• New vendor identified for Beaumont; will not return unless helium is ordered from new supplier</li> <li>• New preamplifier ordered. Will be replaced in August.</li> <li>• Composite reflectivity radar used to plan launches and avoid rain.</li> <li>• University of Houston identified as a potential laboratory/launch site; will move in August</li> </ul>

