



California Science Center  
**CALIFORNIA STATE SCIENCE FAIR**  
**2001 PROJECT SUMMARY**

<b>Your Name</b> (List all student names if multiple authors.) <b>Ian J. Becker</b>	<b>Science Fair Use Only</b>  <h1 style="margin: 0;">J0602</h1>
<b>Project Title</b> (Limit: 120 characters. Those beyond 120 will be ignored. See pg. 9) <b>Is the Globalstar Satellite System Efficient?</b>	<b>Division</b> <u>X</u> Junior (6-8) _ Senior (9-12)
<b>Preferred Category</b> (See page 5 for descriptions.) <b>5 - Earth Sciences/ Planetary Sciences/ Physical Environments</b>	
<b>Abstract</b> (Include Objective, Methods, Results, Conclusion. See samples on page 14.) Use no attachments. Only text inside these boxes will be used for category assignment or given to your judges.	
<p><b>Objective:</b> Is the Globalstar communication satellite system efficient. Plus can you determine the satellites distance be determined by using a satellite phone and laptop computer. Also, will barriers decrease the efficiency of the system.</p> <p><b>Methods:</b> For the first part of determining the distance of the satellite. To do this I will use the Dewsk Delay number and plug it into the mathematical equation given to determine the distance. To see if the satellite system is efficient I will record how many satellites plus satellite beams are active every minute for the next 30 minutes in an open and closed area.</p> <p><b>Results:</b> The result I gathered show that the globalstar satellite system is efficient. Also that you can determine the distance of a satellite and the distance of the satellite doesn't effect the efficiency.</p> <p><b>Conclusion:</b> The globalstar system is efficient. The system has been well thought out and well planned. It doesn't require additional satellites.</p>	
<b>Summary Statement</b> (In one sentence, state what your project is about.) Is the Globalstar satellite system efficient	
<b>Help Received in Doing Project</b> (e.g. Mother helped type report; Neighbor helped wire board; Used lab equipment at university X under the supervision of Dr. Y; Participant in NSF Young Scholars Program) See Display Regulation #8 on page 4. Mom + Dad Typed report ; Teacher helped correct ; Engineer Jeff Lorobec helped get equipment	