



California Science Center
CALIFORNIA STATE SCIENCE FAIR
2001 PROJECT SUMMARY

Your Name (List all student names if multiple authors.) Ian J. Becker	Science Fair Use Only <h1 style="margin: 0;">J0602</h1>
Project Title (Limit: 120 characters. Those beyond 120 will be ignored. See pg. 9) Is the Globalstar Satellite System Efficient?	Division <u>X</u> Junior (6-8) _ Senior (9-12)
Preferred Category (See page 5 for descriptions.) 5 - Earth Sciences/ Planetary Sciences/ Physical Environments	
Abstract (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>Objective: 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>Methods: 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>Results: 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>Conclusion: The globalstar system is efficient. The system has been well thought out and well planned. It doesn't require additional satellites.</p>	
Summary Statement (In one sentence, state what your project is about.) Is the Globalstar satellite system efficient	
Help Received in Doing Project (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	