



**CALIFORNIA STATE SCIENCE FAIR  
2008 PROJECT SUMMARY**

<b>Name(s)</b> <b>Charlotte M.N. Mayeda</b>	<b>Project Number</b> <b>J0711</b>
<b>Project Title</b> <b>Hurricanes: The Heat Diffusers</b>	
<b>Abstract</b> <b>Methods/Materials</b> Computer with internet access and a printer. <b>Results</b> The data I#ve collected shows that after collecting a total of 41 hurricanes and tropical storms. It turned out that the hurricanes supported my hypothesis and the tropical storms didn#. Out of a total of 22 hurricanes, 13 hurricanes showed coolness on the day it hit the buoy and the day after. This means that 59% of the hurricanes were supportive of my hypothesis. On the other hand the group of tropical storms had a total of 7 supporting and 12 not supporting. This made for a total of 36% of the tropical storms supporting and 63 % not supporting. This shows that the stronger the storm then the cooler the ocean. <b>Conclusions/Discussion</b> In conclusion my data showed that 59% of the hurricane data did support my hypothesis, and only 36% of my tropical storm data supported my hypothesis. I feel that this is a good percentage of data in support of my hypothesis. However I do believe that if I would have collected more hurricane and tropical storm data it might have led to a higher percentage of supporting data, which have helped me in the long run for the science fair. Here I used the variables in this experiment were hurricanes verses tropical storms. All together out of my science project I feel that I would have had a better understanding of interpreting the data represented by the graphs. I also wonder what would have happened if I had had more data. Would my hypothesis have been better supported or less well supported. I also have questions about how hurricanes affect sea creatures. Knowing that a stronger storm does cool the ocean has led me to come up with many more questions, and another opportunity to study and learn.	
<b>Summary Statement</b> The purpose of my project was to test if hurricanes cool the ocean.	
<b>Help Received</b> Mother helped type report and paste up board. Father helped with information and testing. Advisor guided me through the scientific process.	