



**CALIFORNIA STATE SCIENCE FAIR
2011 PROJECT SUMMARY**

Name(s) Marissa A. DeVogelaere	Project Number 31293
Project Title Should You Look to the Ocean to See What Will Happen in the Sky?	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals We all know that weather is slightly different every year, if not a lot. I wanted to describe the weather patterns in Moss Landing and see if it correlated with ocean surface temperature.</p> <p>Methods/Materials By looking at the sky before going to school each morning over the last nine years, I was able to get average weather conditions and calculate how each year was different from average. I was also able to get ocean temperature information from a research buoy in the Monterey Bay that has been recording ocean temperature since 1990.</p> <p>Results In general, when the ocean temperatures were cooler than average, there was more fog and less sun compared to the average weather pattern.</p> <p>Conclusions/Discussion There were exceptions to the patterns I saw, and more frequent, detailed sampling would probably improve my understanding between the links of ocean temperature and weather.</p>	
Summary Statement I correlated 9 years of weather patterns in Moss Landing (cloudy, sunny, fog, rain, overcast) with local ocean temperature buoy measurements.	
Help Received I was just going to do my project on the weather in Moss Landing, but I thank Mr. Kreeger for suggesting that I correlate it with something else. I thank my father for all his advice on my project, and my mom, who helped with my poster. I also thank my brother for gathering data three years before I started school.	