

CWSF 2010 - Peterborough, Ontario



Shannon Ball

Taking the "Pulse" of the Value People Add to Forecasting Using Lightning Dat

Division: Physical & Mathematical Sciences

Category: Intermediate

Region: Manitoba Schools Science Symposium

City: Winnipeg, MB

School:

Abstract: Project Phoenix set up two teams, an operations team that had access to all the data, both real and model, and a second that only had access to real data. The second team beat the first. My idea was to use data from Canadian models, along with lightning data, to understand why Project Phoenix results show a significant improvement over the operations based forecasts.

Biography

Hi, I'm Shannon Ball, a native of Winnipeg, Manitoba! I love horses and "The Lord of the Rings." I happen to be a fan of country music. I play baritone saxophone in concert band and jazz band. I am not sure what I want to do after high school, although I am leaning towards becoming a vet with a specialty in equine medicine. This is my eighth year doing science fairs and my fifth with MSSS. This will be my second year attending the CWSF, and that is a huge achievement for me! However, my most notable experience would be going down to Kentucky for the last three years with my mom. My dad has been the greatest supporter of my science fairs and it means a lot to be to have him be able to see my projects reach this standard.

Awards

Value

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| The Actuarial Foundation of Canada Award - Intermediate | \$750 |
| The University of Western Ontario Scholarship | \$2 000 |
| Silver Medallist - \$2000 Entrance Scholarship | |
| Sponsor: University of Western Ontario | |
| Silver Medal - Physical & Mathematical Sciences - Intermediate | \$700 |
| Sponsor: Encana Corporation | |
| Total | \$3 450 |

