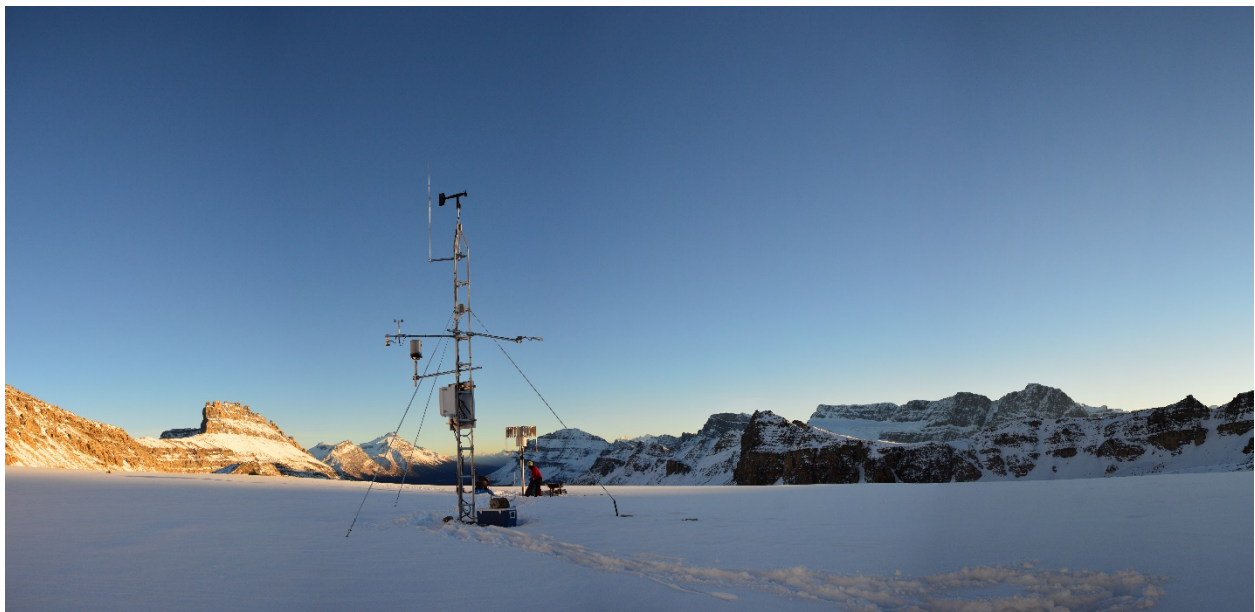


## Research Opportunities with John Pomeroy

There are several research studentships and positions with Professor John Pomeroy, Director of the Global Water Futures Programme (GWF) and of the Centre for Hydrology at the University of Saskatchewan, Saskatoon, Sask. & Canmore, Alberta. GWF is the largest freshwater research programme in the world and is transforming our ability to understand and predict cold regions water security. Exceptional students may also be considered for a \$45,000/year GWF Excellence Scholarship (see [www.usask.ca/water](http://www.usask.ca/water)).



### **MSc Student – Drone-based snow measurement**

The successful candidate for this position will have proven their suitability for research through high marks in an honours bachelor degree in a physical environmental science or engineering. Their undergraduate science or engineering background should include GIS and physical hydrology, and some knowledge/interest in snow and unmanned aerial vehicles (UAVs or Drones). The candidate should be comfortable surviving and working in remote mountain environments in winter and have excellent backcountry snow travel skills on ski, snowshoe and snow machine. Experience piloting UAVs is an asset to this post. The student will be working in the 'Transformative Sensor Technologies and Smart Watersheds for Canadian Water Futures' project of the Global Water Futures programme at the University of Saskatchewan. The project is to use UAVs with LiDAR and photogrammetry (Structure from Motion) to measure snowcover depth and coverage changes over winter and spring in mountain and prairie environments and relate this to spatial variation in snow redistribution and energetics.

101-121 Research Dr.  
Saskatoon SK S7N 1K2 Canada  
Tel: (306) 966-1427

Interested applicants should contact Dr. John Pomeroy ([centre.hydrology@usask.ca](mailto:centre.hydrology@usask.ca)) with a cover letter explaining their motivation, academic CV, unofficial transcripts and contact details for three academic references.

<http://artsandscience.usask.ca/geography/graduates/welcome.php>