

An Avalanche of Data:

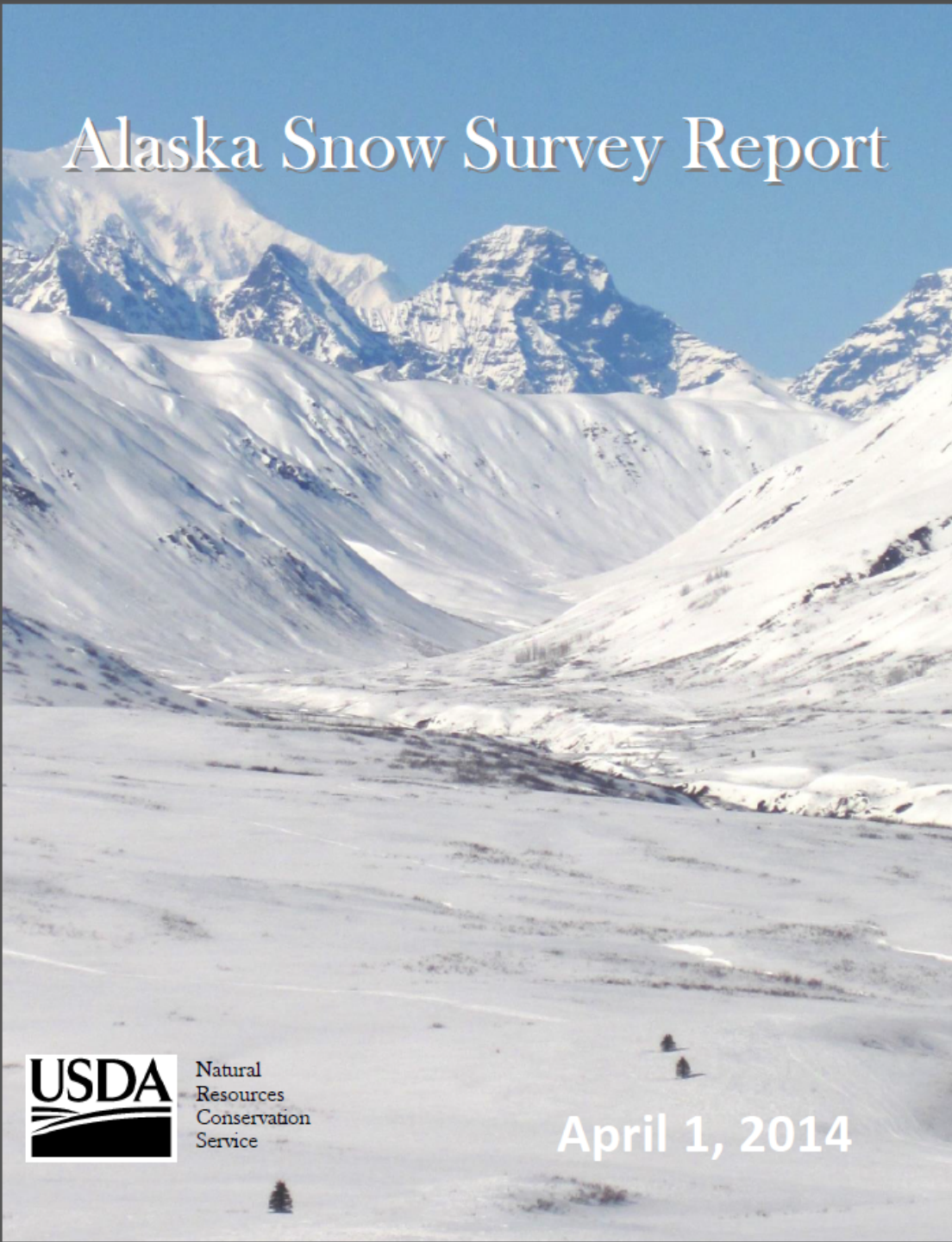
SNOTEL Sites, their instruments, and
what it all means

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NRCS-USDA

A little background. . .

- SNOTEL is short for SNOw TELelemetry
- The SNOTEL system is part of the Natural Resources Conservation Service's (NRCS) West Wide Snow Program, part of the USDA.
- Our mission since 1935 has been to collect snowpack data in the Western U.S. and Alaska to develop reliable water supply forecasts.

Alaska Snow Survey Report

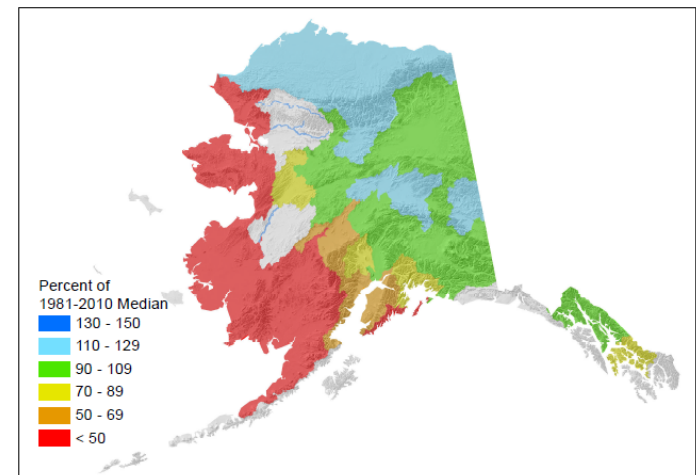


Natural
Resources
Conservation
Service

April 1, 2014



Alaska Snowpack as of April 1, 2014
Based on Snow Water Content



What is a SNOTEL site?



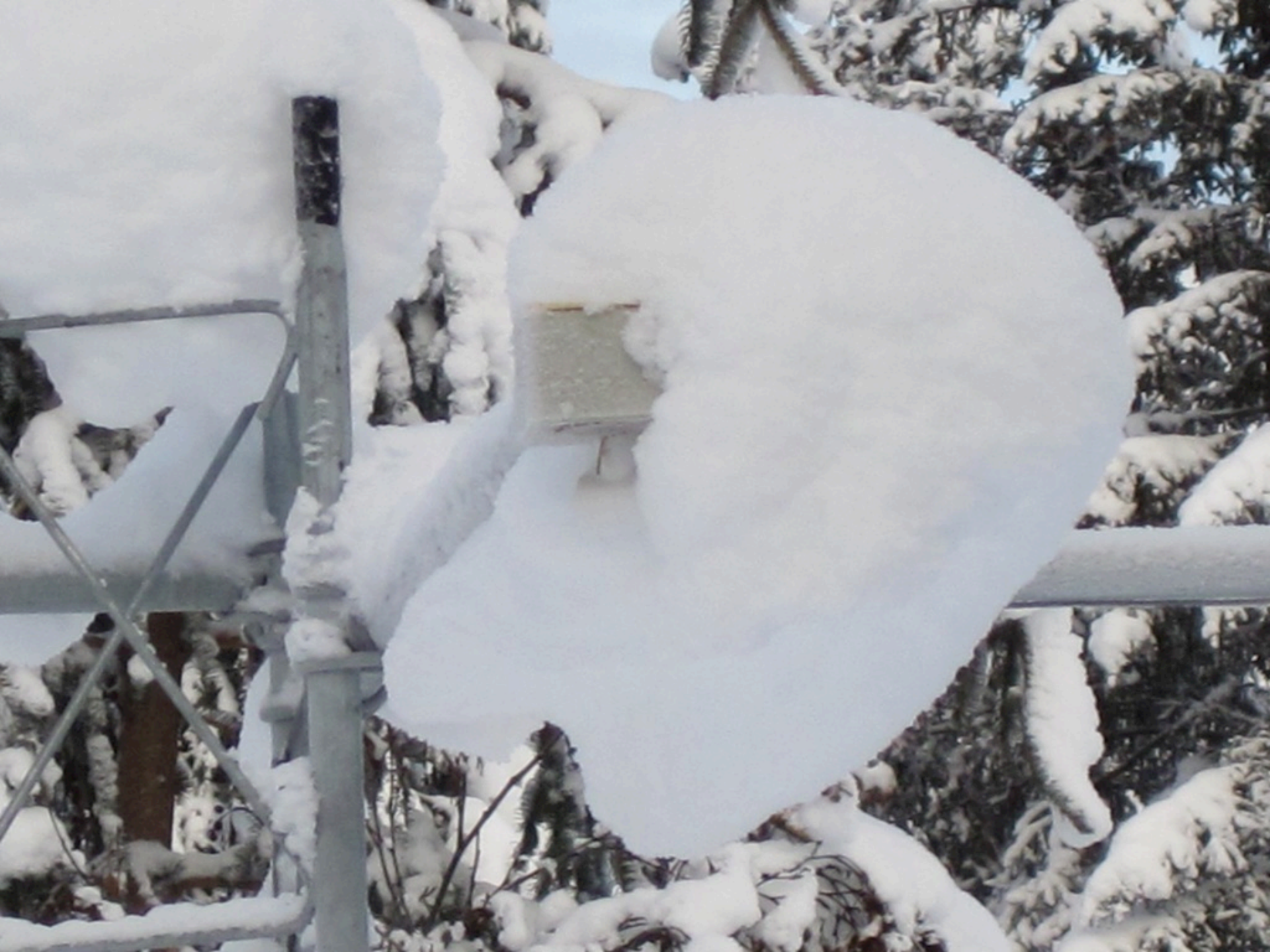
The “MET” Tower

- Snow Depth
- Solar Radiation
- Temperature or Temp/RH
- Anemometer
- Tipping bucket (sometimes)

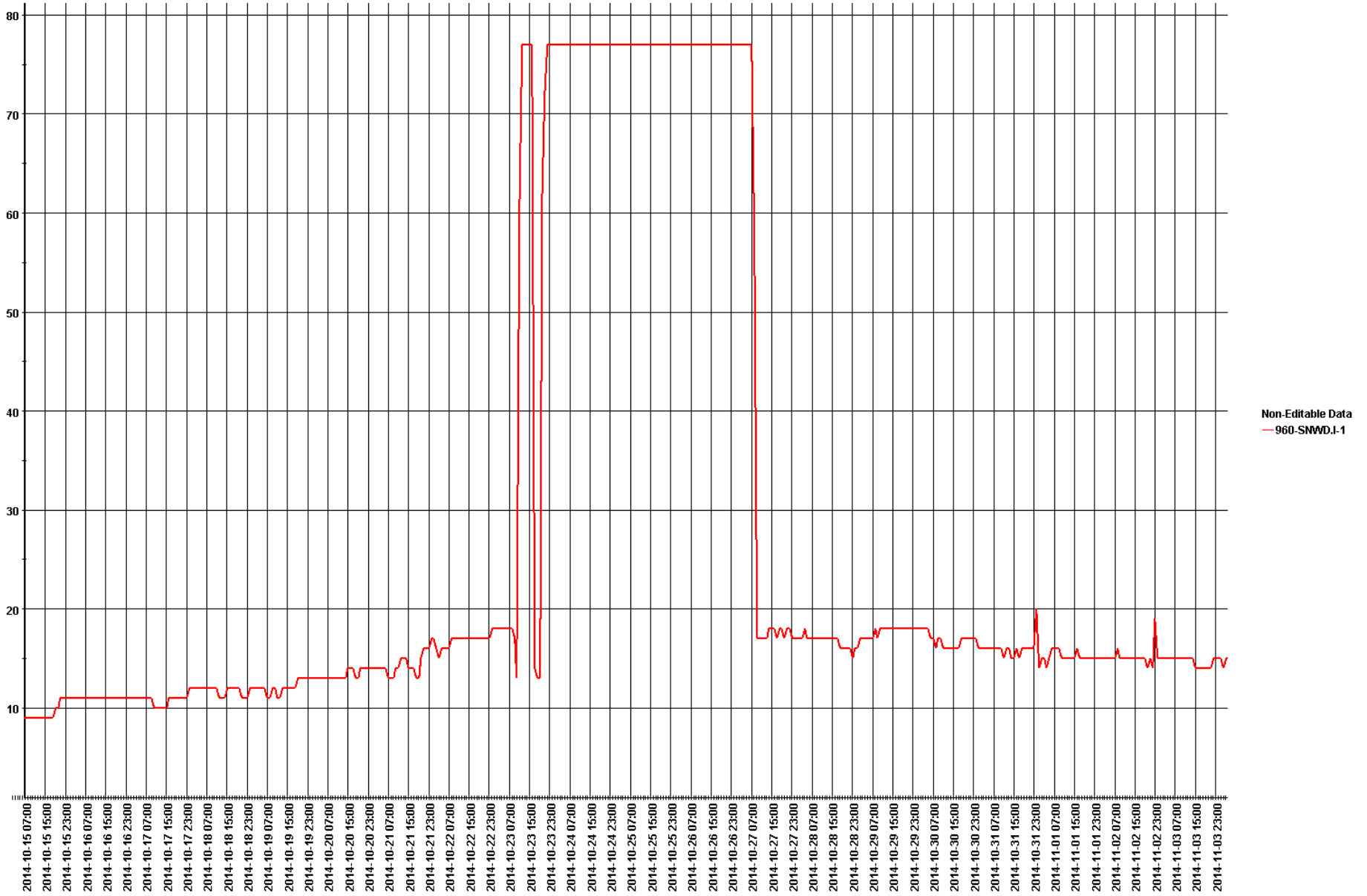








960-EAGLE SUMMIT

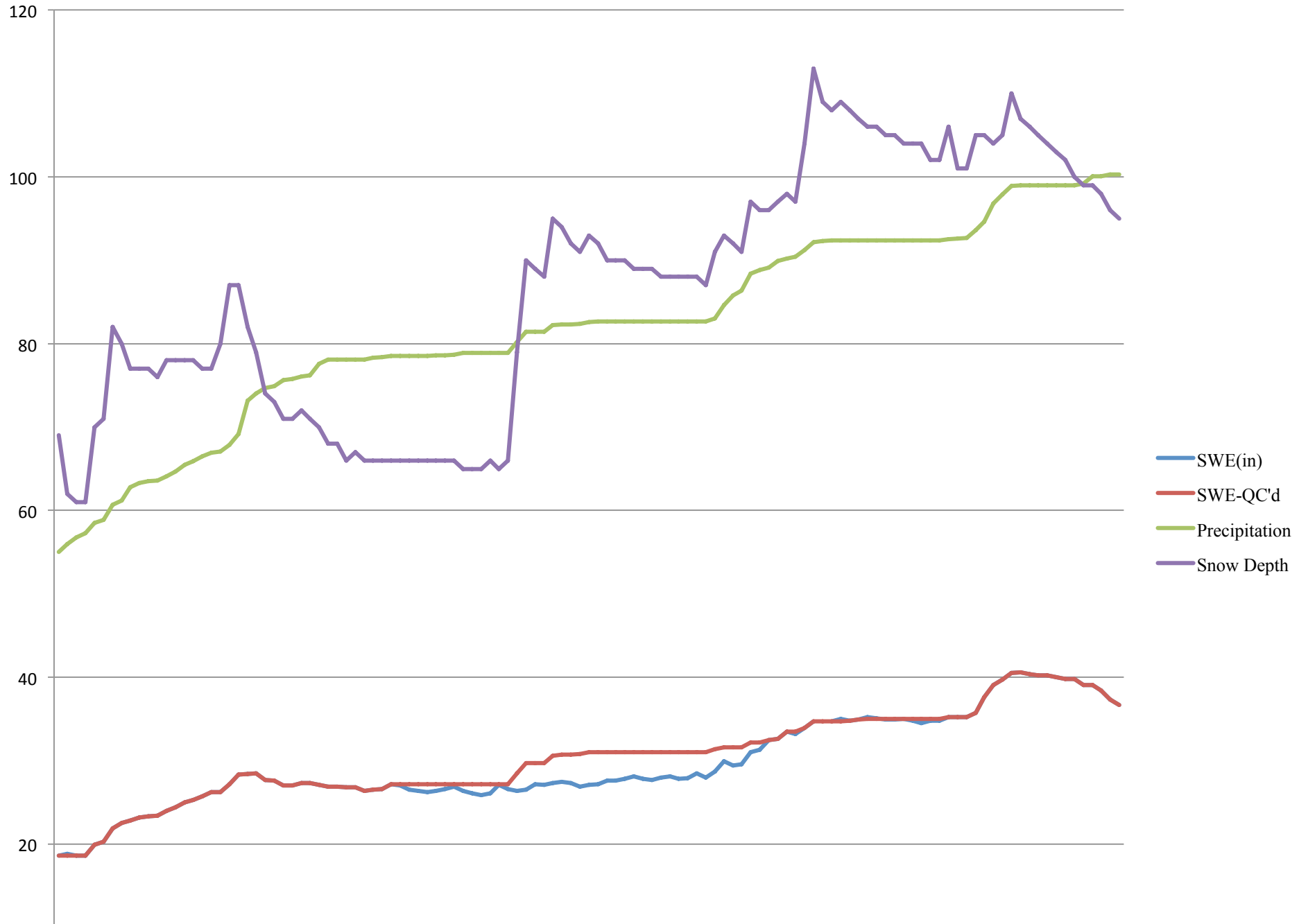


954-TURNAGAIN PASS





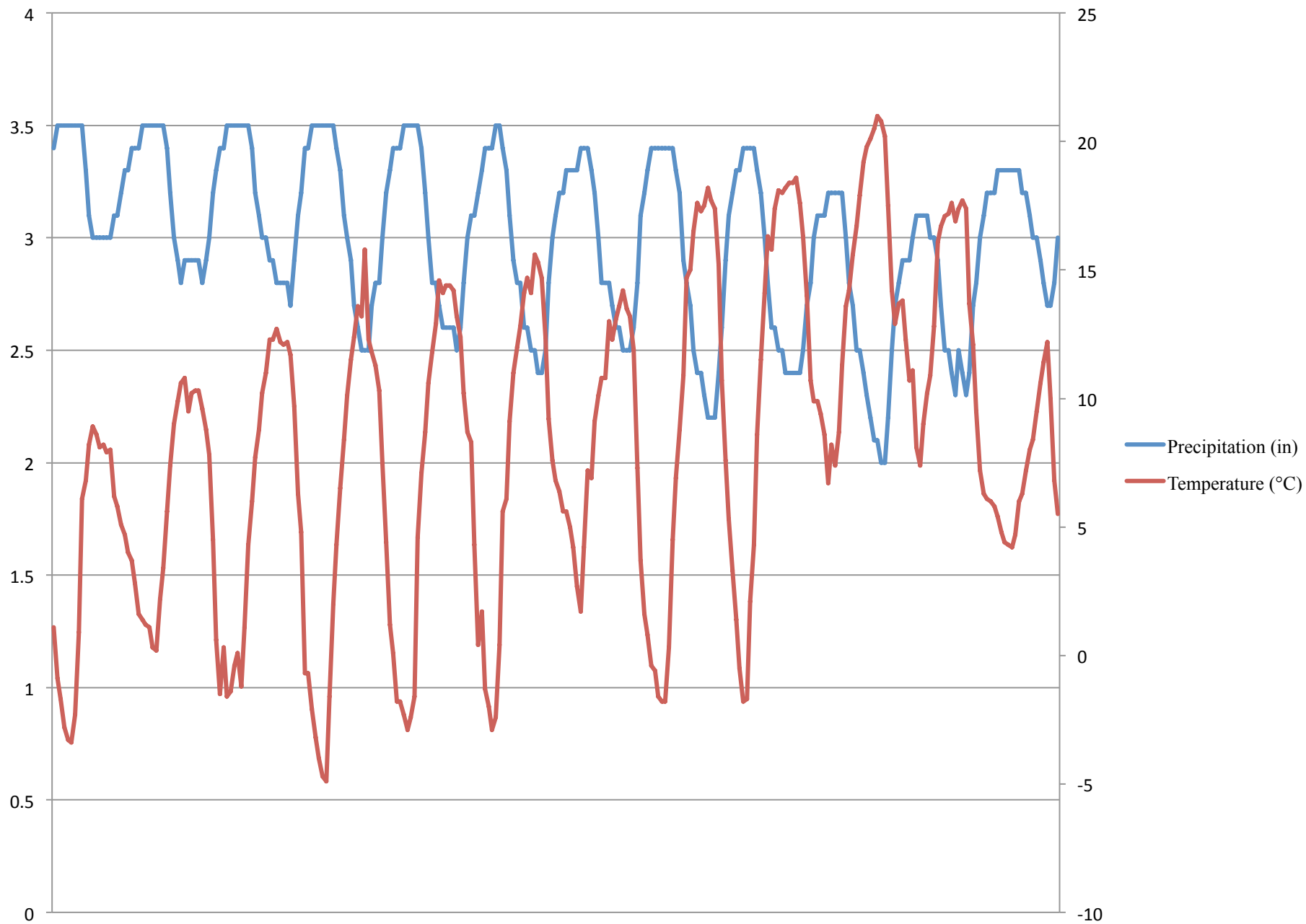
Long Lake SNOTEL -- Dec 25, 2013-April 22, 2014



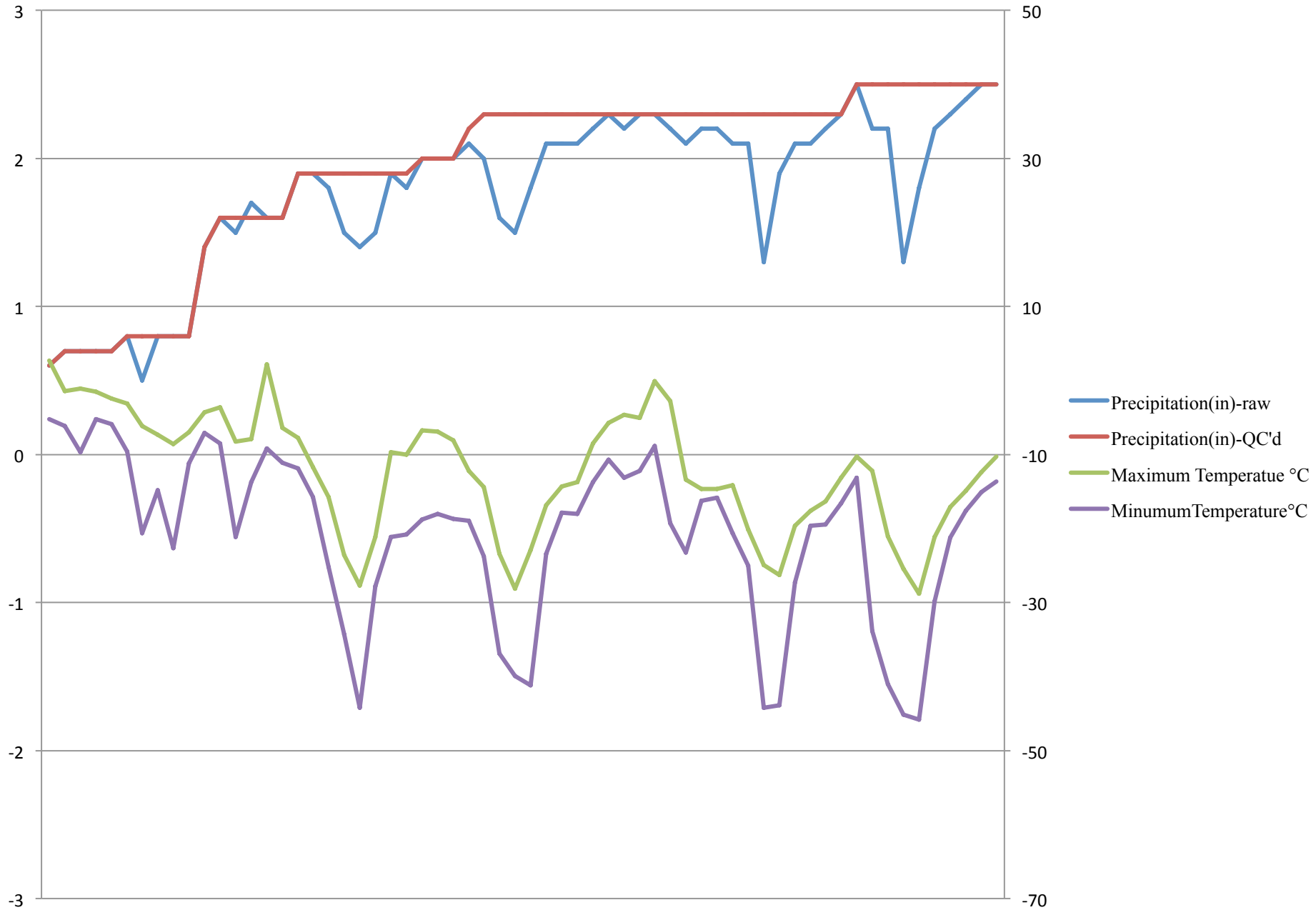
“Rocket” Gauge



Rhoads Creek SNOTEL Site - April, 2014



Rhoads Creek SNOTEL - Daily Values Nov. 1, 2013- January 3, 2014



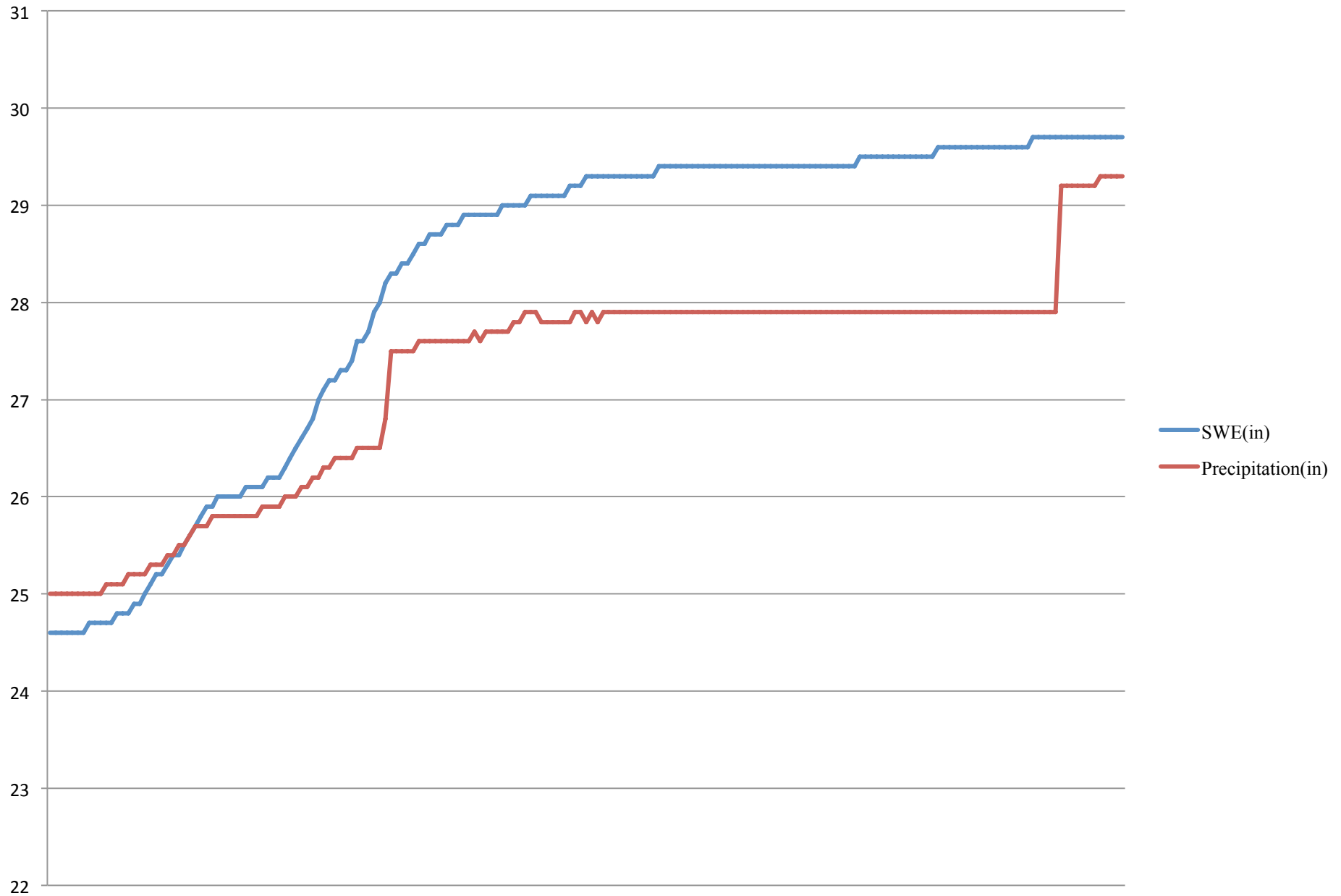


“Capped” versus “plugged”



Grandview SNOTEL

Feb 25-March 5, 2013



Future Sensors?



Any Questions???



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