Field Work Renovations and Upgrades

By

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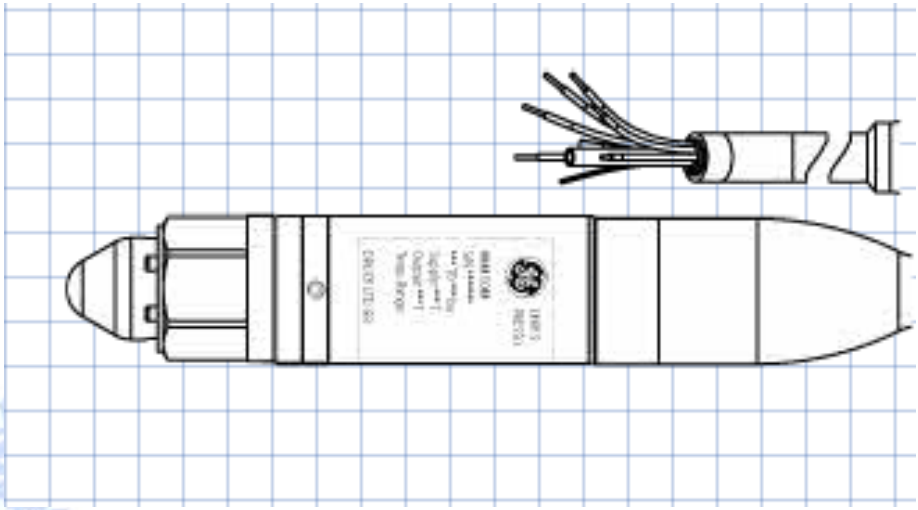
Outline

- New equipment with old stations
- New equipment, New Stations

The Use of Submersible PT's

DRUCK UNIK 5000



The Gap (FRW)

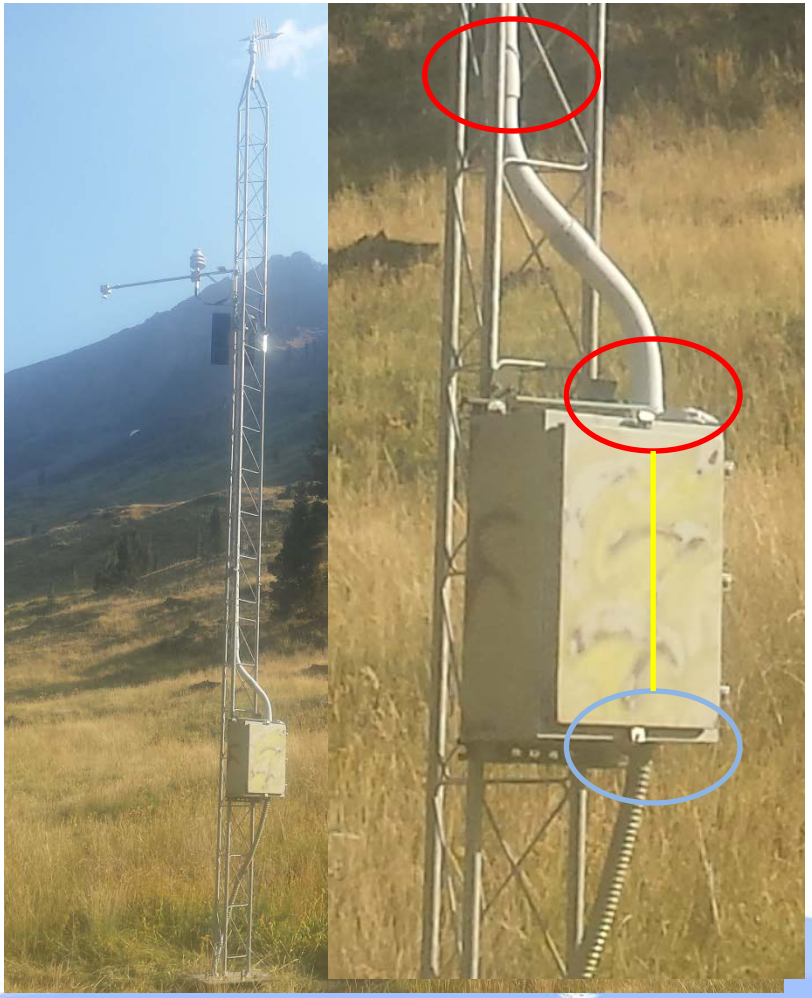
Kaweah Delta Watershed

Error: Root Cause – Water intrusion

Effect: Station Failure due to PWR Bus Short/Blown Fuse

Farewell Gap (FRW) Cont.

How did this happen?



Farewell Gap (FRW) Cont

The Fix

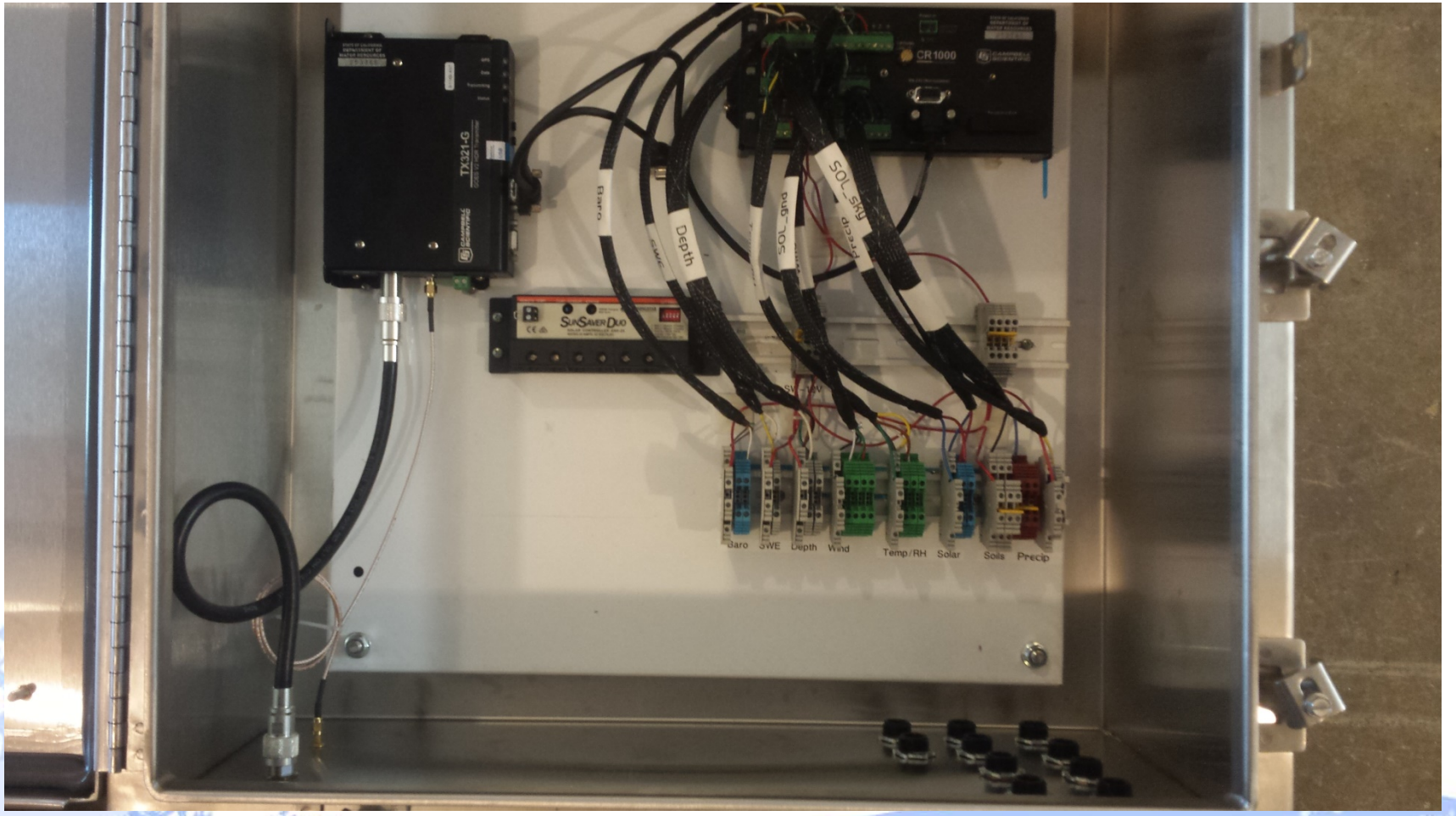
- Submersible Pressure Transducer in a NEMA 4x Box.

Highland Meadows (HHM)

The First of Many

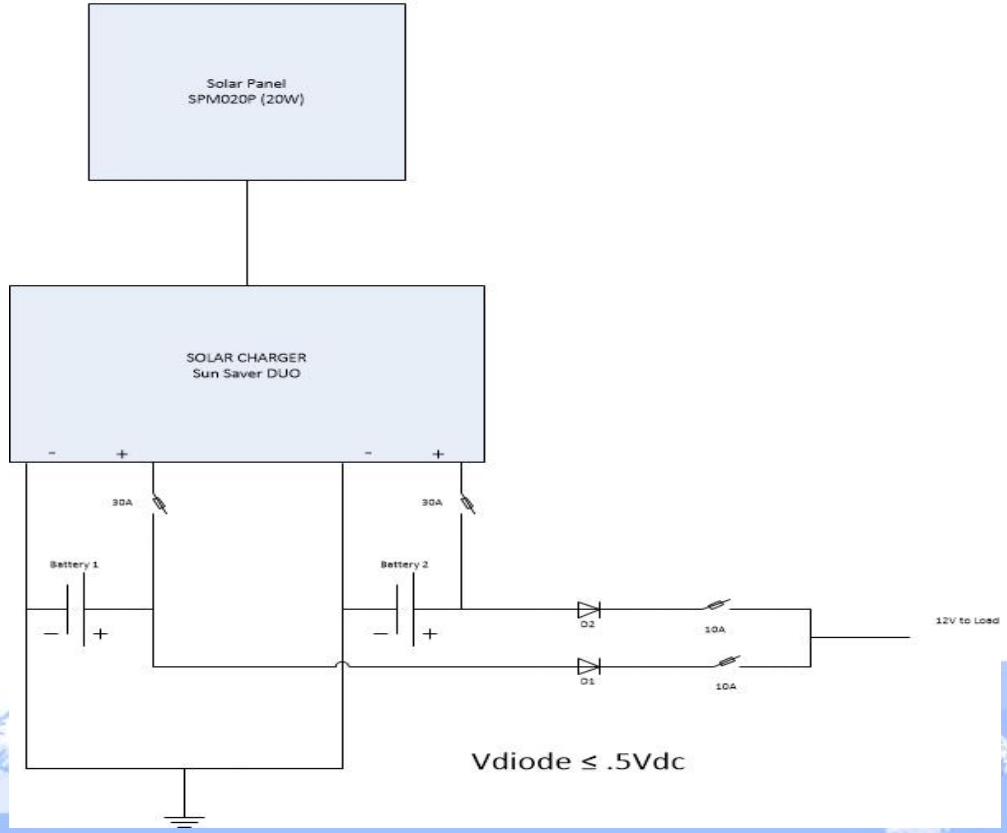
- First Upgraded DWR snow surveys station
  - California Climate Snow Station (CCSS)
- 17 Parameters every 20min = 51/hour
- Intent
  - Direct variables for Basic Water Information (BWI)
  - More Accurate BWI for Models
  - MORE DATA!!!!

DAQ/DCP Box


TX321-G
CR1000
SunSaver Duo
Baro
Depth
SOL_gnd
SOL_sky
Baro
SWE
Depth
Wind
Temp/RH
Solar
Soils
Precip

Power Circuit

DUAL BATTERY CIRCUIT



Highland Meadows (HHM) Cont.

Highland Meadows (HHM) Cont

Highland Meadows Vulnerabilities

The Beast Grazers – aka the Cows

The End