**e.quinox Datalogging Expedition Checklist**

Note: Kishan will be able to bring the items marked in red from Kenya but an extra DMM would be good to have

**TOOLS**

1. Drill and Drill Bits
2. Soldering Iron, Solder, Solder Wick, Solder Sucker
3. DMM
4. Screwdrivers
5. Stanley Knife
6. Pliers
7. Masking Tape
8. Insulating Tape
9. Duct Tape (Always useful to have)
10. Wire Stripper, Coloured Wire from labs
11. Crimp Tool – Should be around in the labs somewhere

**EQUIPMENT NEEDED**

1. Insulating Tape
2. Cable wall clips
3. Cable Ties
4. 10A Cable
5. Working Datalogger
6. The Other Datalogger even if it hasn’t been fixed

**COMPONENTS NEEDED**

These are extra components taken as a precaution

1. MBED
2. MCP602 OPAMPS
3. RTC Batteries
4. IL300
5. Transformer
6. AD7993
7. ACS712
8. Crimps
9. Crimp Connectors and PCB headers
10. Extra PCBs
11. Extra resistors for the DC Voltage Board in case we need to measure a higher voltage than 20V.

**STUFF THAT NEEDS TO BE ORDERED/BOUGHT**

1. Check the left-over components in the labs and order extra as necessary but atleast 10 of the MCP602 need to be ordered
2. Insulating Tape – Farnell (152346, 152349, 152350, 152360) 🡪 Order any three
3. Cable Ties (Farnell Part number: [1366999](http://uk.farnell.com/jsp/search/productdetail.jsp?sku=1366999), 1416050) 🡪 Order any one
4. 10A Cable (Farnell Part number: 1494800)
5. Cable wall clips (Farnell Part number: [611943](http://uk.farnell.com/tower/73cb06/tv-clip-black-6-7mm-bx100/dp/611943), [611955](http://uk.farnell.com/tower/73cb07/tv-clip-black-7-8mm-bx100/dp/611955)) 🡪 Order both
6. Duct Tape (Farnell Part number: 1768519)
7. MBED (Farnell Part number: 1761179)
8. Masking Tape
9. Adhesive/Glue (EEE Stores AS0040)