# Data entering into the Data Logging Sheet (YYYYMMDD-PS122-A\_B-LLL-PPP)

1. Create PS122/X\_Y folder
2. Create subfolders for SYI and FYI site, look in DSHIP for DeviceOperation for SI\_corer\_9cm and SI\_corer\_7cm:
   * SYI-X\_Y-{DeviceOperation SI\_corer\_9cm}\_{DeviceOperation SI\_corer\_7cm}
   * SYI-X\_Y-{DeviceOperation SI\_corer\_9cm}\_{DeviceOperation SI\_corer\_7cm}
3. Create metadata template spreadsheet in the root folder:
   * YYYYMMDD-PS122-X\_Y-SYI-.xlsx
   * YYYYMMDD-PS122-X\_Y-FYI-.xlsx
4. Modify the metadata sheet (metadata-coring) in each template spreadsheet:
   1. Change expedition project (C3) to MOSAiC-PS\_122-X\_Y
   2. Change site (C4) to SYI Dark Site or FYI Dark Site according to SYI/FYI
   3. Change coordinate for (C8/9) start and end (F8/9) of station, if needed look in DSHIP for the Transponder coordinates of the first and last core collected
   4. Change time for start (C12/13) and end (D12/13)of station. If needed look in DSHIP for the Timestamp of the first and last core collected, eventually for the snowpit.
   5. Update snow depths (D-H 16) according to the snowpit logging sheet (4 corner , and T profile depth). If needed, compute the average snow depth.
   6. Update Age (C20), Topography (C21), Environment (C22), Surface Conditions (C23)
   7. Update Weather, if needed use DSHIP
   8. Update Temperature according to MetaData, SnowPit logging sheet. Either use DSHIP for water temperature of T from CTD cast in a corehole
   9. Update Sampling event:
      1. Sampling station: PS122-X\_Y-FYIYYYYMMDD or PS122-X\_Y-SYIYYYMMDD, according to SYI/FYI
      2. Update list of associated cores collected the  
         YYYYMMDD-PS122-X\_Y-SYI-T, YYYYMMDD-PS122-X\_Y-SYI-SALO, …
5. Modify the coring sheet (metadata-core) in each template spreadsheet:
   1. Update generic core name PS122-X\_Y-S(F)YIYYYYMMDD
   2. Update date YYYY-MM-DD
6. Check if the other sheet are empty
7. For each core:
   1. Copy core template in the subfolder
   2. Update the coring sheet
      1. Core Name
      2. Update time, if Needed look at the DSHIP ActionLog
      3. Enter Ice thickness, Ice Draft and Ice Core Length
   3. Update the device use. Cheatsheet in following tables:

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| --- | --- | --- |
| Corer | Kovacs Mark II, 9cm  Kovacs Mark III, 7cm | All but,  CT, |
| Conductivity Probe | Voltcraft LWT-100 | CT, RHO |
| Conductivity Probe | YSI30 (UAF, Robert Rembert) | SALO18 |
| Scale | LabDidakt 0-300g (NTNU , S. Maus) | CT |
| Temperature Probe | Testo720 (ECO) |  |
| SMP | SMP49 |  |
| Temperature Probe | SLF Snow Temperature Probe |  |
| Scale | Ohaus Corporation, JE500 Emerald |  |
| Conductivity Probe | YSI30 (UAF, Robert Rember) |  |
| Snow Cutter | Snow Cutter 3cm (100cm3) |  |
| Scale | Kern EMB-V (NTNU, S. Maus) | RHO |
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* 1. Update the texture sheet
  2. Update the other sheets (SALO18, CT, ECO...)