

## Terminology for the International Maritime Meteorological Archive (IMMA) format

- **IMMA0, IMMA1**: observational data formats
  - Record structure (moving to multi-record layout in IMMA1)
    - **Main** – contains all IMMA0 format elements, and *Nocn*, *Ecr*, and *Uida* from IMMA1
      - ✓ One and only one record per input marine report
    - **Subsidiary** – new for IMMA1, contains *Uida+Ivad*, and *Uida+Error*
      - ✓ Can have many such records per Main
  - Format structural elements: **Core**
    - **Core** – Time/space location and many standard data fields (e.g. SLP, AT, SST, etc.)
  - Followed by zero or more attachments (attms), e.g.:
    - **Icoads** – ICOADS attm (SID, DCK, PT, ICOADS trimming/QC flags, etc.)
    - **Immt** – Additional standard surface met. (**Core+Immt** delivers content of IMMT format)
    - **Nocn** – Near-surface oceanographic attm
    - **Ecr** – Edited cloud report attm
    - **Uida** – Unique report identifier (UID) attm (also includes Release specifications)
    - **Suppl** – Supplemental data attm (original data used to create IMMA)
- **IVAD** – ICOADS Value-Added Database
  - A project, and a MySQL database
- **Auxiliary** dataset
  - IMMA1 data processed for input to ICOADS, but not yet formally merged
- **Preliminary** near-real-time (NRT) data
  - Extending the record past the end of a delayed-mode Release with GTS data