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MISSION_NAME="DEV"
VEHICLE_NAME="bench132"
DEPLOYMENT_NAME="epsiauto"
PATH_MISSION="/Users/aleboyer/ARNAUD/SCRIPPS/"
RAW_DATA_FILENAME="MADREtest.dat"
RECORDING_MODE="STREAMING" # other choice is SD or STREAMING
NB_CHANNEL=8
CHANNELS="t1,t2,s1,s2,c,a1,a2,a3"
PROBE_S1_SN="102"
PROBE_S2_SN="102"
PROBE_T1_SN="000"
PROBE_T2_SN="000"
PROBE_C_SN="000"
PROBE_SHEAR_CALFILE=".....CALIBRATION/SHEAR_PROBES....."
AUX1_NAME="SBE49"
AUX1_SN="0058"
AUX1_CALFILE="./SBE49/0058.cal"
MADRE_REV="MADREB.0"
MADRE_SN="0002"
MAP_REV="MAPB.0"
MAP_SN="0001"
FIRMWARE_VERSION="MADRE2.1"
FIRMWARE_SAMPLING="320Hz"
FIRMWARE_ADCshear="bipolar"
FIRMWARE_ADCFPO7="bipolar"
FIRMWARE_ADCcond="count"
FIRMWARE_ADCaccelerometer="unipolar"
FIRMWARE_ADCshearfilt="sinc4"
FIRMWARE_ADCfpo7filt="sinc4"
FIRMWARE_ADCcondfilt="none"
FIRMWARE_ADCaccelfilt="sinc4"
  
```

MS struct with fields:

- indscan: {1×237 cell} : indexes of 3s chunk from profile
- nbscan: 237 => number of chunks
- fmax: 45 => hard cut off frequency
- nbchannel: 7 => number of channels
- w: [1×237 double] => vertical speed per chunk
- t: [1×237 double] => temperature per chunks
- s: [1×237 double] => salinity per chunk
- pr: [1×237 double] => pressure per chunk
- kvis: [237×1 double] => kinematic viscosity per chunk
- ktemp: [237×1 double] => diffusivity per chunk
- f: [1×485 double] => frequency array
- k: [1×1201 double] => Vertical wavenumber array
- Pf: [7×237×485 double]: Frequency spectra per chunk and channels
- kmax: [1×237 double] => dynamic cut off frequency per chunk
- PphiT_k: [237×1201×2 double] => T° gradient wavenumber spectra
- Pshear_k: [237×1201×2 double] => shear wavenumber spectra
- Paccel_k: [237×1201×3 double] => acceleration wavenumber spectra
- epsilon: [237×2 double]: epsilon profiles
- kc: [237×2 double] =>
- Ppan: [237×1201×2 double] => Panchev spectra
- fc_index: [237×2 double] => dynmic cut off for T° spectra
- chi: [237×2 double] => chi profile