File: SAMPLE_HYPERSAS_NOTRACKER Collected: Wed Aug 22 21:45:32 2018

L1A : Process RAW to L1A

Raw binary to HDF5 and filter data on SZA.

Processing Parameters and metadata:
HyperInSPACE version: 1.1.2

SZA Limit (L1A): 70.0

 Example of HyperSAS with NO sun tracker robot
/version=R0
/investigators=Philip_Marlow
/affiliations=Chandler_U
/contact=trickydick@cu.edu
/experiment=sample_NoSolarTracker
/cruise=sample_cruise
/documents=README.md
/instrument_manufacturer=Satlantic
/instrument_model=HyperSAS
/calibration_date=20180730
/calibration_files=SATTHS0045A.tdf,HSL0386D.cal,GPRMC_NMEA0183v3.01.tdf,HSE0488Ea.cal,HSL0385D.cal,SATMSG.tdf,SATPYR.tdf,HLD0385D.cal,IRP3397A.cal,HLD0386D.cal,SAS045_20180730.sip,GPGGA_NMEA0183.tdf,SATNAV0001A.tdf,HED0488Ea.cal
/data_type=above_water
/data_status=preliminary
/measurement_depth=0
/platform=sample_ship

Process log:
Process Single Level
ProcessL1a.processL1a: 21-Apr-2023 19:30:16
L1A file produced:

/ssdwork/GitRepos/HyperInSPACE/Data/Sample_Data/L1A/SAMPLE_HYPERSAS_NOTRACKER_L1A.hdf
Process   Single   Level:
/ssdwork/GitRepos/HyperInSPACE/Data/Sample_Data/L1A/SAMPLE_HYPERSAS_NOTRACKER_L1A.hdf - SUCCESSFUL

L1AQC : Process L1A to L1AQC

Low level QC (pitch, roll, yaw, and azimuth) and deglitching.

Processing Parameters:
Rotator Home Angle: 0.0
Rel Azimuth Min: 90.0
Rel Azimuth Max: 135.0
ES Dark Window: 11
ES Light Window: 5
ES Dark Sigma: 3.2
ES Light Sigma: 3.5
LT Dark Window: 11
LT Light Window: 5
LT Dark Sigma: 3.0
LT Light Sigma: 3.2
LI Dark Window: 11
LI Light Window: 5
LI Dark Sigma: 3.2
LI Light Sigma: 3.4
ES Light Thresh. Band: None
ES Dark Thresh. Band: None
ES Min.: None
ES Max.: None
LI Dark Thresh. Band: 505.55
LI Min.: None
LI Max.: None
LT Dark Thresh. Band: None
LT Min.: None
LT Max.: None

Process log:
Process Single Level
Found data: station
Found data: lat
Found data: lon
Found data: wind
Found data: wt
Found data: sal
Found data: speed_f_w
Deglitching file Config/sample_NOTRACKER_anoms.csv found for sample_NOTRACKER. Using these parameters.
ProcessL1aqc.processL1aqc: 21-Apr-2023 19:32:33
Required ancillary sensor azimuth is missing. Abort.
L1aqc processing failed. Nothing to output.

Example Deglitching

Randomized. Complete plots of hyperspectral deglitching from anomaly analysis can be found in [output_directory]/Plots/L1AQC_Anoms.

None found.
None found.
None found.
None found.
None found.
None found.