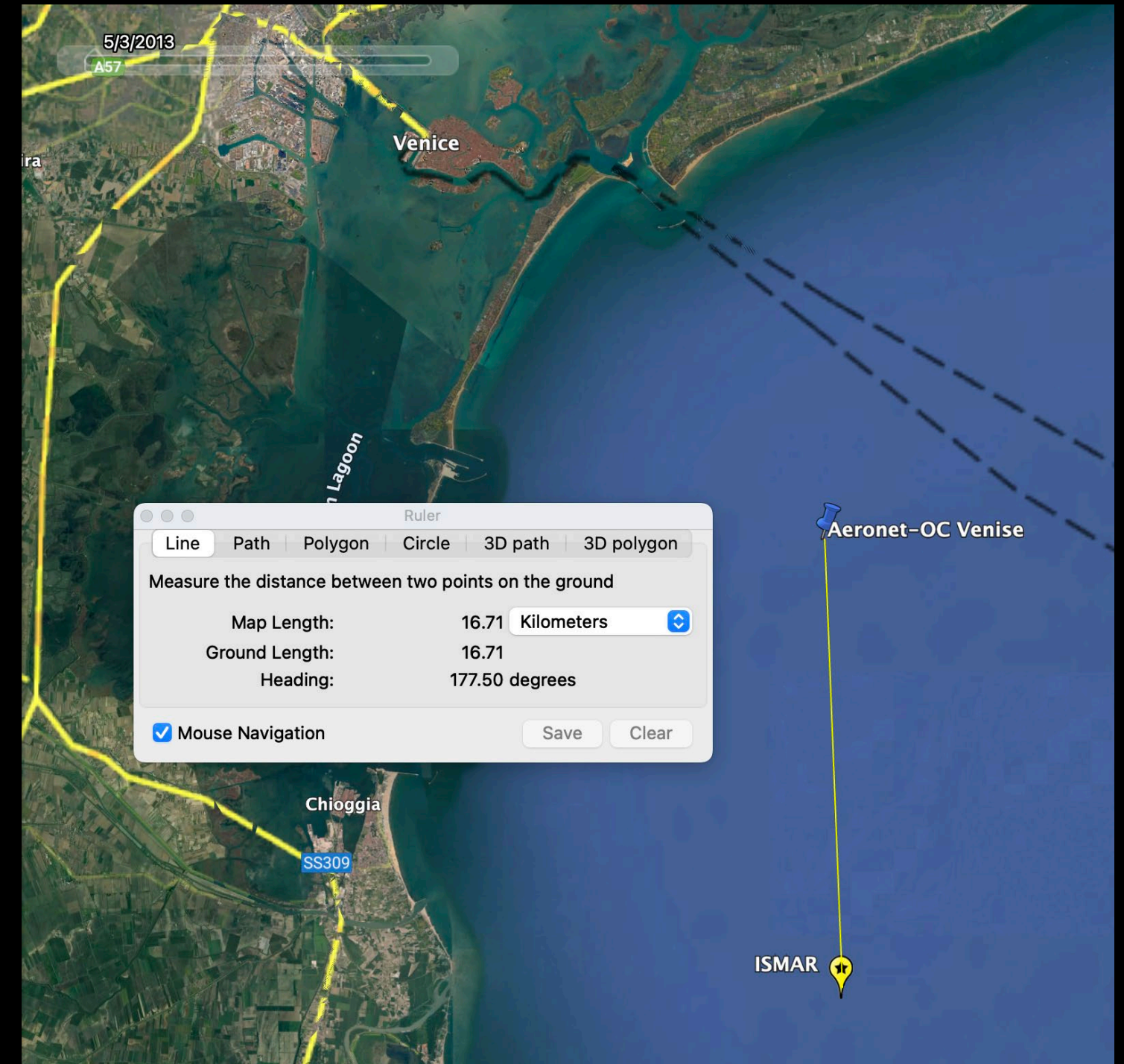
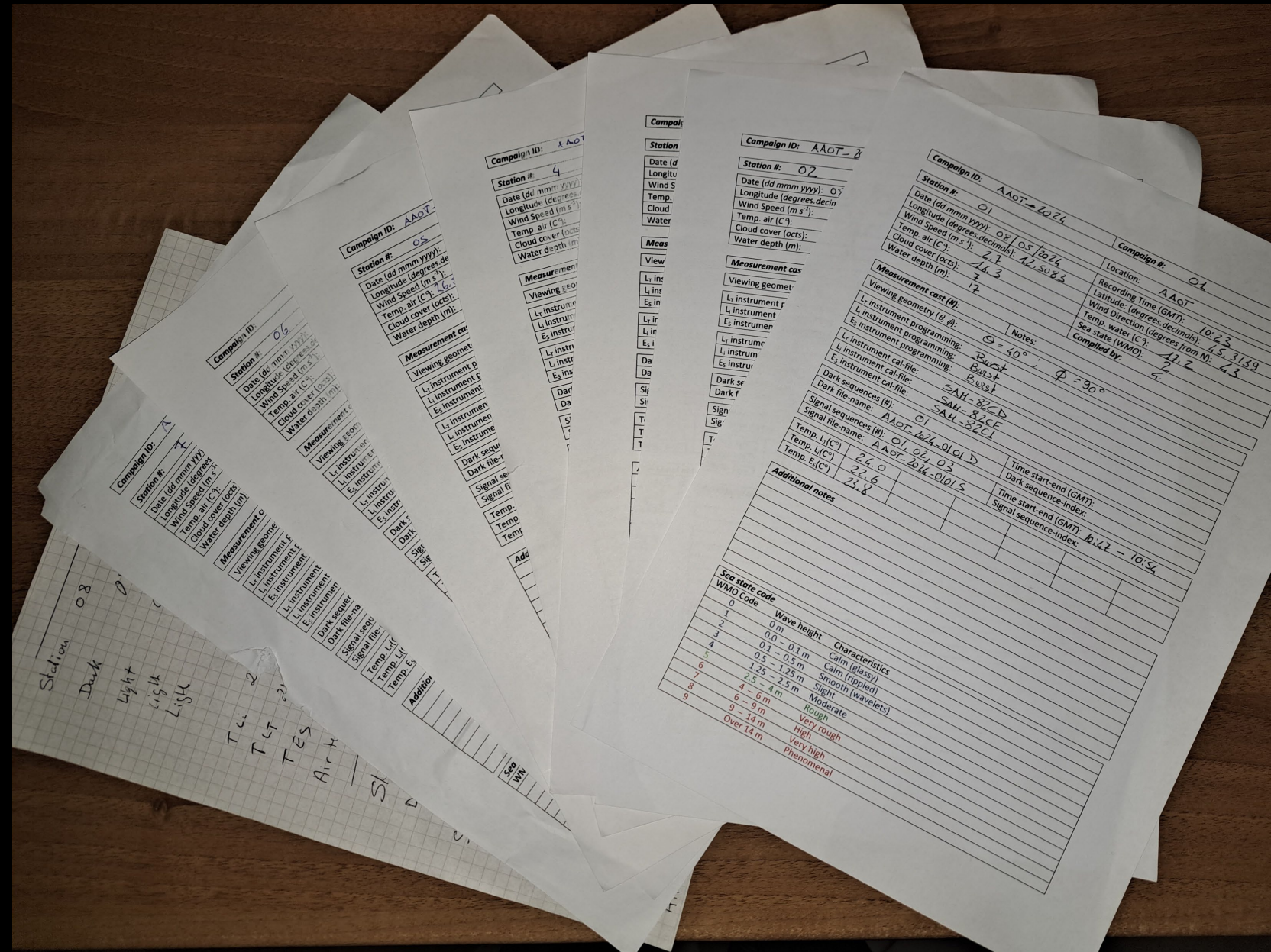
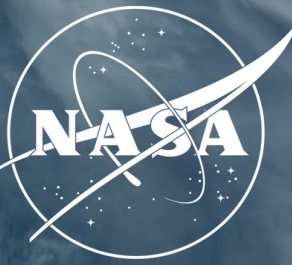




FICE2024 AAOT Radiometric Data

Dirk Aurin
NASA/GSFC

Metadata



Machine readable field logs and buoy data

Field Logs

station	raw filename	station start date/time	station lat	lon	ship l	ship s	h	relative azi mut (solar-sensor)	relative azimuth (solar-sensor)	wind speed	wind d	waves (Or salinity)	sea surface tempera ture	air temp (Es/Li/Lt)	sensor temps	cloud	solar disk	bottom c	omments
FICE2024, AAOT, Group effort. Set-up notes: 17 m height on Aqua Alta tower NW corner (w/ AERONET). SST and wind from ISMAR buoy. At from field notes																			
6	(name agre name)	(UTC. Confirm all systm)	(UTC)	(deg: 3-4	(deg)	(deg)	(kts)	r;	water; only if set manually)	(m/s)	(deg)	(m)	(psu)	(deg)	(deg C) Here using average h	(% or x(T/F)	(m)	(haze, fog, rain, optically shallow/bottom reflection, oth	
7	1.1 AAOT_2024_0101S	2024-05-08T10:47:00	45.30417	12.5083						90				16.3	23.8/22.6/26.0	7		17	Cloudy day - not optimal for radiometry measurements
8	1.2 AAOT_2024_0102S	2024-05-08T10:54:00	45.30417	12.5083						90				16.3		7		17	Cloudy day - not optimal for radiometry measurements
9	1.3 AAOT_2024_0103S	2024-05-08T11:00:00	45.30417	12.5083						90				16.3		7		17	Cloudy day - not optimal for radiometry measurements
10	2.1 AAOT_2024_0201S	2024-05-08T12:03:00	45.30417	12.5083						90				16.6		6		17	Cloudy day - not optimal for radiometry measurements
11	2.2 AAOT_2024_0202S	2024-05-08T12:12:00	45.30417	12.5083						90				16.6		6		17	Cloudy day - not optimal for radiometry measurements
12	2.3 AAOT_2024_0203S	2024-05-08T12:18:00	45.30417	12.5083						90				16.6		6		17	Cloudy day - not optimal for radiometry measurements
13	3.1 AAOT_2024_0301S	2024-05-08T13:22:00	45.30417	12.5083						90				17.5		7		17	Cloudy day - not optimal for radiometry measurements
14	3.2 AAOT_2024_0302S	2024-05-08T13:28:00	45.30417	12.5083						90				17.5		7		17	Cloudy day - not optimal for radiometry measurements
15	3.3 AAOT_2024_0303S	2024-05-08T13:32:00	45.30417	12.5083						90				17.5		7		17	Cloudy day - not optimal for radiometry measurements
16	4.1 AAOT_2024_0401S	2024-05-12T09:10:00	45.30417	12.5083						90						3	1	17	Haze. No air temp provided.Using buoy data
17	4.2 AAOT_2024_0402S	2024-05-12T09:14:00	45.30417	12.5083						90						4	1	17	Haze
18	4.3 AAOT_2024_0403S	2024-05-12T09:28:00	45.30417	12.5083						90				27.1/27.5/29.6		4	1	17	Haze
19	5.1 AAOT_2024_0501S	2024-05-12T11:15:00	45.30417	12.5083						90				26.5		7	1	17	Haze. Increasing thin cirrus overhead throughout the day
20	5.2 AAOT_2024_0502S	2024-05-12T11:20:00	45.30417	12.5083						90				26.5		7	1	17	Haze. Increasing thin cirrus overhead throughout the day

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Buoy Data

Data	Piattaforma CNR Liv.Idrom. medio 1m	Piattaforma CNR D.Vento med. 10m	Piattaforma CNR V.Vento med.10m	Piattaforma CNR V.Vento max	Piattaforma CNR Alt. sign.	Piattaforma CNR Onda: Alt. max	Piattaforma CNR Onda: Pressione	Piattaforma CNR Temperatura	Piattaforma CNR Temp. Acqua	Piattaforma CNR Umidita'	Piattaforma CNR Radiazione solare	Piattaforma CNR Pioggia 5m	
2	5/8/24 11:20	0.54	90	1.9	2.2	0.47	0.76	1015.7	16.5	17.3	79	572	0
3	5/8/24 11:25	0.53	93	1.8	2.2	0.47	0.76	1015.7	16.6	17.3	79	795	0
4	5/8/24 11:30	0.52	100	1.7	2.1	0.48	0.78	1015.7	16.7	17.4	79	750	0
5	5/8/24 11:35	0.51	86	1.7	2.4	0.48	0.78	1015.7	16.6	17.3	78	735	0
6	5/8/24 11:40	0.51	79	1.8	2.1	0.48	0.78	1015.7	16.6	17.4	77	773	0
7	5/8/24 11:45	0.5	85	1.7	2.1	0.45	0.81	1015.6	16.6	17.5	77	690	0
8	5/8/24 11:50	0.49	77	1.7	2.2	0.45	0.81	1015.6	16.6	17.5	76	545	0
9	5/8/24 11:55	0.48	81	1.7	2.4	0.45	0.81	1015.6	16.6	17.4	76	547	0
10	5/8/24 12:00	0.47	78	1.7	2.2	0.47	0.76	1015.6	16.6	17.4	76	580	0
11	5/8/24 12:05	0.46	77	1.6	2.1	0.47	0.76	1015.5	16.7	17.5	77	955	0
12	5/8/24 12:10	0.45	78	1.6	2.2	0.47	0.76	1015.5	16.7	17.6	76	1060	0
13	5/8/24 12:15	0.44	83	1.6	1.9	0.47	0.84	1015.5	16.9	17.4	76	1009	0
14	5/8/24 12:20	0.43	91	1.5	1.9	0.47	0.84	1015.5	16.9	17.5	74	902	0

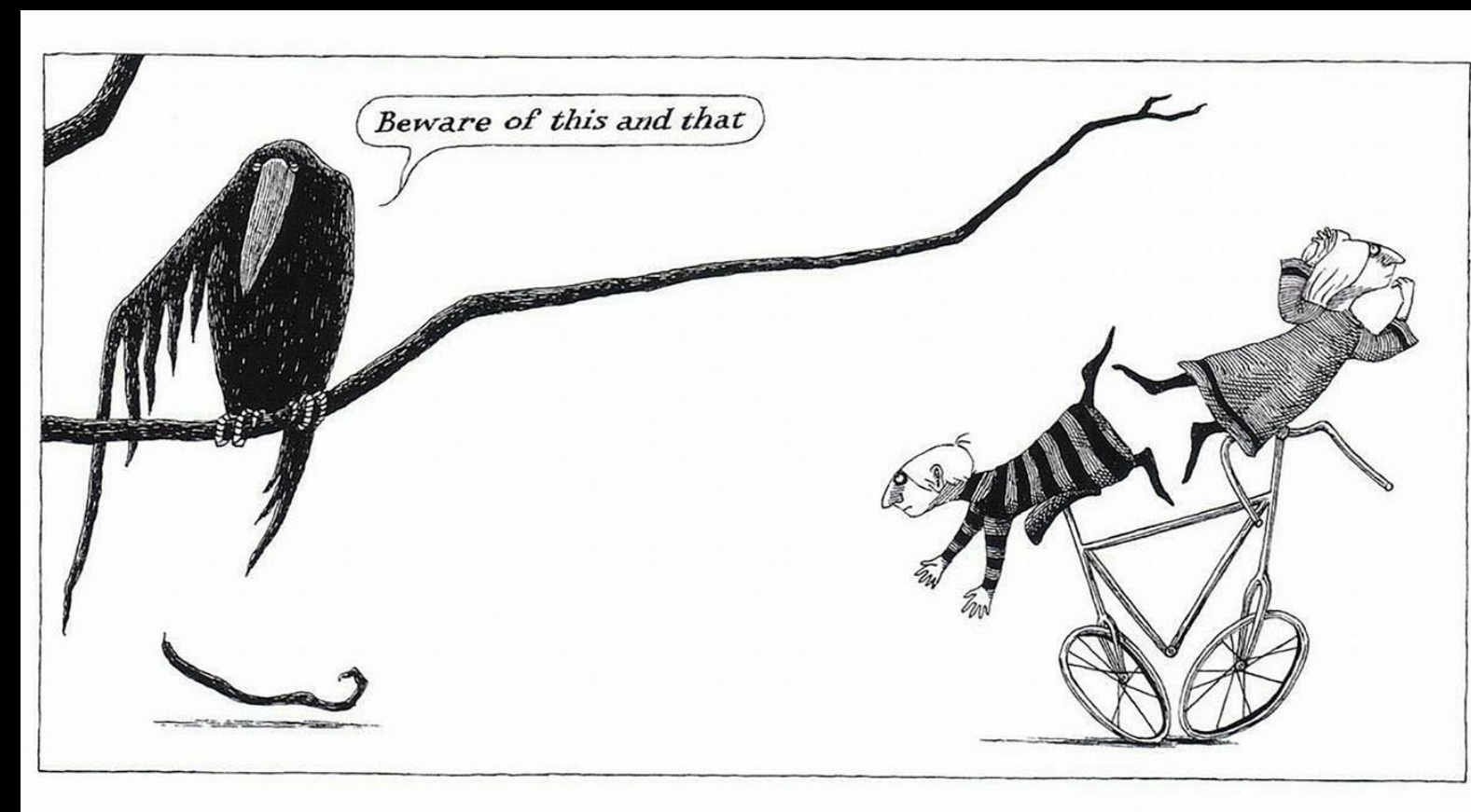
Beware of this and that...

☰
MENU
City of Venice

	minutes)	
VVx	max wind speed (in the previous 15 minutes)	m/s
Pr	atmospheric pressure	hPa
T air	air temperature	°C
T H2O	water temperature	°C
Um	relative humidity	%
Pg	precipitation	mm
Rs	solar radiation	W/m2
Or Hs	significant wave height	meter
Or Hx	maximum wave height	meter

The tidal heights, recorded by the instruments of the Telemareographic Network of the Venice Lagoon, refer to the fundamental plan of the State Altimetric Network (1897). The reference time is solar all year round (UTC+1). The CPSM declines any responsibility for the use of such data.

Last update: 04/15/2022 at 09:45



SeaBASS ancillary file for HyperCP

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!
! COMMENTS
!
! FRM4S0C-2 Field InterComparison Experiment (FICE)
! May 8 - May 13, 2024
! Acqua Alta Oceanographic Tower (AAOT), CNR-ISMAR
!
! Ancillary data from: % https://www.comune.venezia.it/content/3-piattaforma-ISMAR-CNR
! https://aeronet.gsfc.nasa.gov/new_web/ocean_color.html and field notes. relAz refers
! to relative solar-sensor azimuth.
!
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```

The screenshot shows the Nextcloud web interface for a user named 'FICE2024'. The breadcrumb navigation shows 'DATA' and a '+ New' button. The directory listing includes:

- AAOT_Raw_MLB (folder)
- Instrument_Files (folder)
- Metadata (folder)** - This folder is highlighted with a red rectangular box.
- Zhang_rho_db.mat (file)

At the bottom of the interface, it states '3 folders and 1 file' and 'Nextcloud - Tartu Ülikooli Nextcloud'.

owncloud.ut.ee/owncloud/s/K37XLieE3DELLkM?...
NASA MSU Coding AERONET-OC HyperCP GLIMR Microsoft Office H...
FICE2024
DATA > Instrument_Files > + New
Name
FICE22_Full_Characterizations
FICE2024_Full_Characterization
FICE2024_TriOS_Factory_Cal_Files
Sample_Data_Factory_Files
Nextcloud - Tartu Ülikooli Nextcloud

Key:
SAM_82CD: Lt
SAM_82CF: Li
SAM_82C1: Es

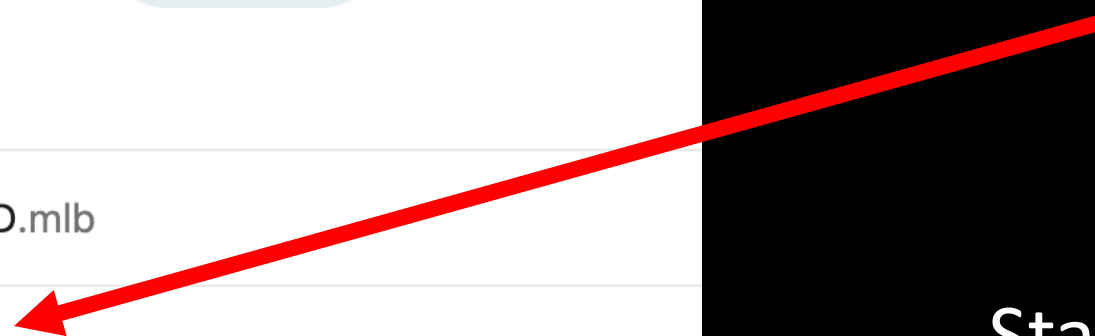
FICE2024

DATA > AAOT_Raw_MLB > MLB > + New

<input type="checkbox"/>	Name
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<input type="checkbox"/>	SAM_82C1_RAW_SPECTRUM_0101S.mlb
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<input type="checkbox"/>	SAM_82C1_RAW_SPECTRUM_0103S.mlb
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<input type="checkbox"/>	SAM_82C1_RAW_SPECTRUM_0202S.mlb
<input type="checkbox"/>	SAM_82C1_RAW_SPECTRUM_0203S.mlb

Nextcloud – Tartu Ülikooli Nextcloud

Station 1 Cast 1 (S for light D for dark)



Stations 7 – 9 were recorded with timestamps in the wrong month. If we can correct the data in time, they will also be made available here.

Thanks to all who helped collect and transcribe field notes, provided calibrations, and have worked to correct the erroneous timestamps. And very special thanks to Krista for exporting data from the MSDA software!

Questions?

