



Argo Data visualization

Monitoring Argo floats – Euro-Argo

<https://fleetmonitoring.euro-argo.eu>



Euro-Argo fleet monitoring

- Dashboard
- Float webpages



Monitoring Argo floats – History

- Euro-Argo **float webpage** + dashboard all floats (update 2019-2020)

Float

3901612

MAIN INFORMATION

TECHNICAL PARAMETERS

ALL METADATA AND MISSION CONFIGURATION

About Float

WMO

3901612

Maker

NKE

Inst reference

AL2500-16DE007

Platform type

ARVOR

Transmission system

ARGOS

PTT

159801

Owner

BSH

Data Centre

CORIOLIS

Sensors

CTD_PRES, CTD_TEMP, CTD_CNDC

Deployment

2 years ago

Launched

28/01/2017 07:49:00

Deployment Latitude

-52.7467

Deployment Longitude

-45.9733

Ship

RRS James Clark Ross

Cruise

JRsouth

Project

ARGO-BSH

Principal Investigator

B. Klein

Cycle activity

Status

Active

Age

Last station date

16/09/2019 18:52:00

Cycle

97

Last Surface Data

Last Bottom Data

Stations data

[in Ascii](#) [in Netcdf](#)

Trajectory data

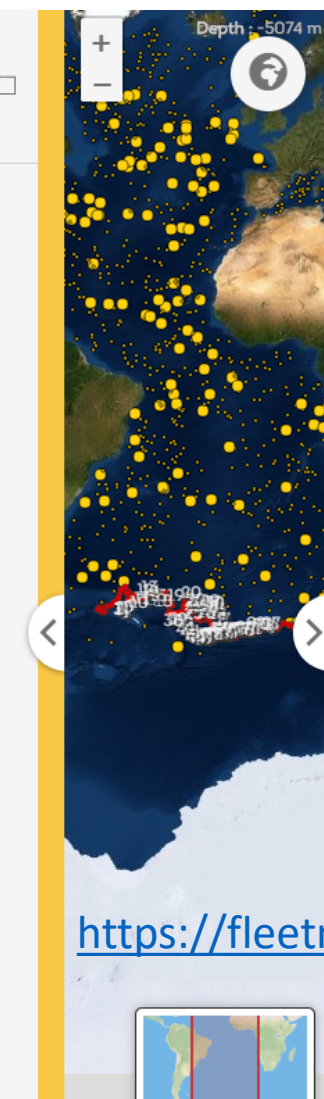
[in Ascii](#) [in Netcdf](#)

Grey List

Profile data

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97

Data



<https://fleetmonitoring.euro-argo.eu/float/3901612>



Monitoring Argo floats – History

- Euro-Argo float webpage + **dashboard all floats** (update 2019-2020)

DASHBOARD

Status

☐ Inactive 11504

☒ Active 3800

Year of deployment

☐ 2019 470

☐ 2018 662

☐ 2017 700

☐ 2016 614

...

Country

☐ France 285

☐ Germany 147

☐ United Kingdom 147

☐ Europe 123

...

Basin

☐ Pacific ocean 1842

☐ Atlantic ocean 957

☐ Indian ocean 762

☐ Mediterranean r... 85

...

Telecom

☐ IRIIDIUM 2779

☐ ARGOS 1021

DAC

☐ AOML 2077

☐ CORIOLIS 632

3800 floats

A	WMO	PTT/ARGOS Serial	Float	Last Tx	Last cycle	Battery
		289311 OIN-015-ARI-01	ARVOR	28/08/2019 03:00:30	413	5 VOLTAGE_BatteryPumpStartProfile
		651171 AI2600-18FI001	ARVOR	12/09/2019 10:16:00	59	10.3 VOLTAGE_BatteryPumpStartProfile
		651365 AI2600-18FR115	ARVOR	26/09/2019 12:11:30	74	10 VOLTAGE_BatteryPumpStartProfile
		360622 AI2600-16FR084	ARVOR	10/09/2019 02:03:00	382	10 VOLTAGE_BatteryPumpStartProfile
		399032 AI2600-16FR310	ARVOR	26/09/2019 12:12:30	71	10 VOLTAGE_BatteryPumpStartProfile
		596659 AI2632-18EU028	ARVOR	25/09/2019 06:04:30	38	10.2 VOLTAGE_BatteryPumpStartProfile
		596903 AI2632-18EU005	ARVOR	24/09/2019 10:45:00	200	10.2 VOLTAGE_BatteryPumpStartProfile
		44187 AL2500-17SP001	ARVOR	25/09/2019 06:02:00	88	10.2 VOLTAGE_BatteryPumpStartProfile
		360324 AI2600-16FR083	ARVOR	08/09/2019 09:28:00	344	10.1 VOLTAGE_BatteryPumpStartProfile

Depth : 2827 m

<https://fleetmonitoring.euro-argo.eu/dashboard>

EURO-ARGO.EU

4

- “Visualization of Argo profiling float metadata, ocean measurements, trajectories and technical parameters”
- For
 - **Argo fleet operators**
 - PIs
 - General public and communication activities
 - ARCs

- “Visualization of Argo profiling **float metadata**, ocean measurements, trajectories and technical parameters”

<

Float

5903795

MAIN INFORMATION

TECHNICAL PLOTS

ALL METADATA

About Float

WMO

5903795

Maker

SIO_IDG

Inst reference

3017

Platform type

SOLO

Transmission system

ARGOS

PTT

45827

Owner

AOML

Data Centre

AOML

Sensors

CTD_PRES, CTD_TEMP, CTD_CNDC

Deployment

7 years ago

Launched

15/10/2011 23:57:14

Deployment Latitude

-9.012

Deployment Longitude

-158.748

Ship

R/V Kaharoa

Cruise

Project

US ARGO PROJECT

Principal Investigator

DEAN ROEMMICH

Cycle activity

Status

Active

Age

7.98 years old

Last station date

07/10/2019 07:38:25

Cycle

285

Last Surface Data

5.5 dbar 28.088°C 36.216 PSU

Last Bottom Data

1452 dbar 2.812°C 34.666 PSU

Stations data

in Ascii in Netcdf

Trajectory data

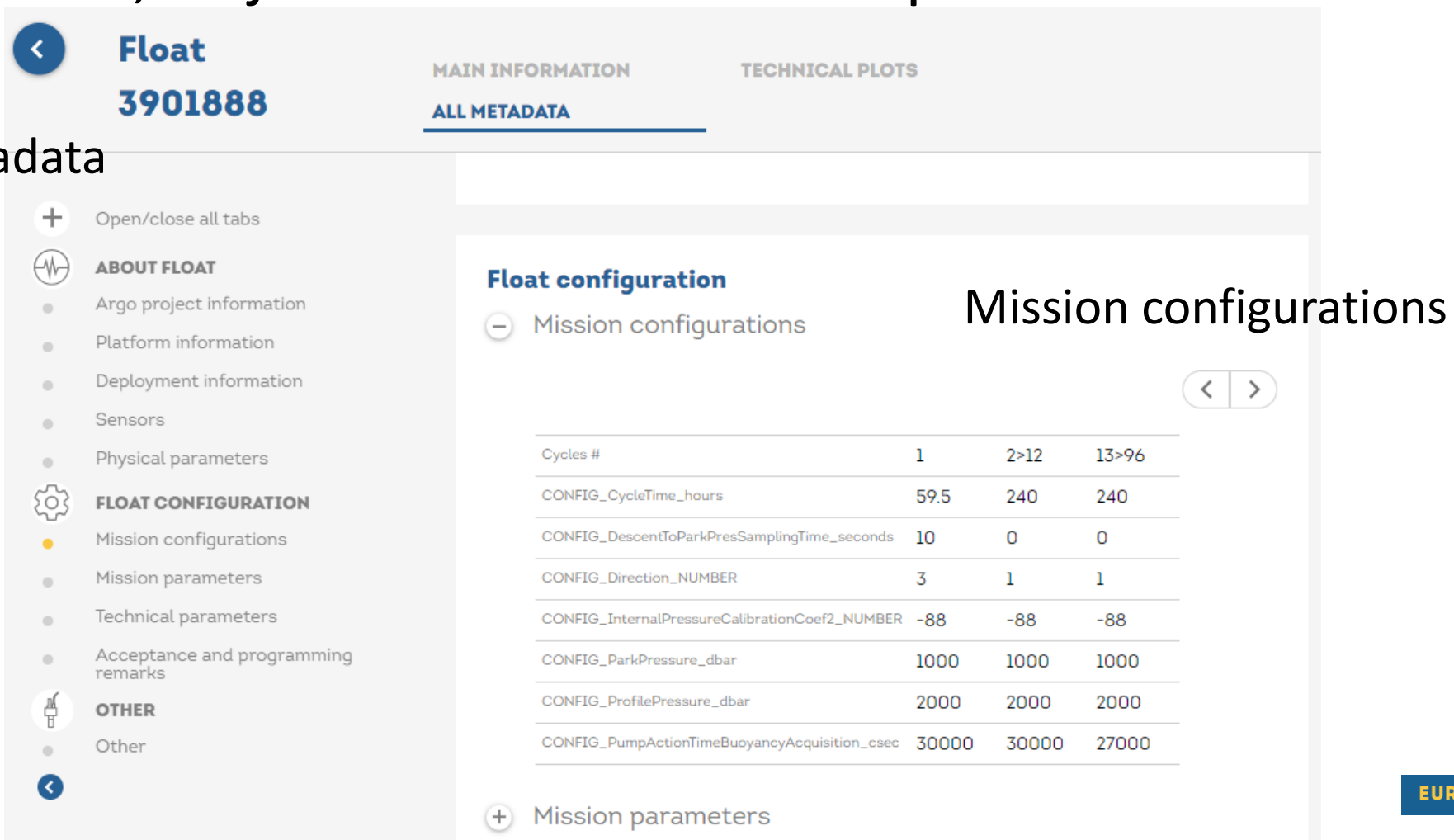
in Ascii in Netcdf

Grey List

PSAL

- “Visualization of Argo profiling **float metadata**, ocean measurements, trajectories and technical parameters”

Hierarchized metadata



Float 3901888

MAIN INFORMATION TECHNICAL PLOTS

ALL METADATA

Float configuration

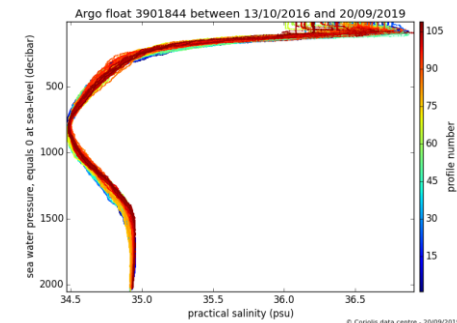
– Mission configurations

Cycles #	1	2>12	13>96
CONFIG_CycleTime_hours	59.5	240	240
CONFIG_DescentToParkPresSamplingTime_seconds	10	0	0
CONFIG_Direction_NUMBER	3	1	1
CONFIG_InternalPressureCalibrationCoef2_NUMBER	-88	-88	-88
CONFIG_ParkPressure_dbar	1000	1000	1000
CONFIG_ProfilePressure_dbar	2000	2000	2000
CONFIG_PumpActionTimeBuoyancyAcquisition_csec	30000	30000	27000

+ Mission parameters

Mission configurations

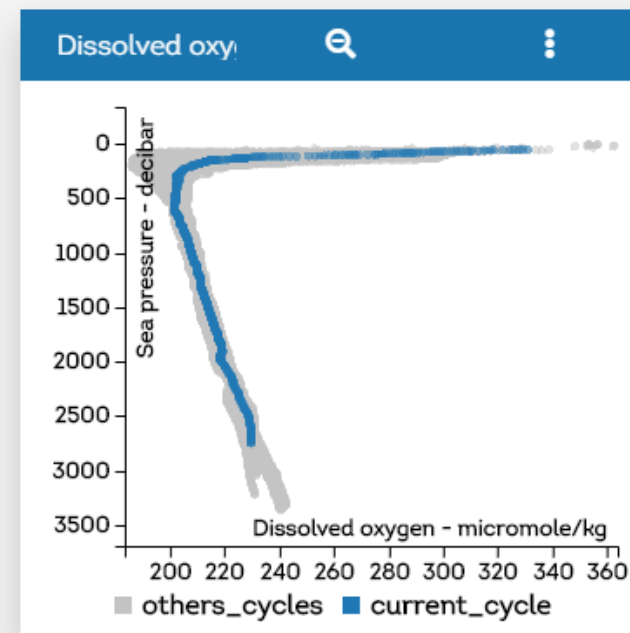
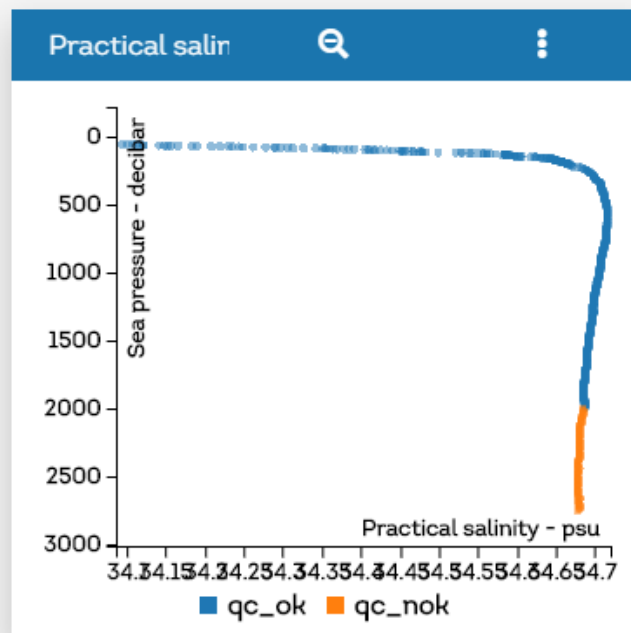
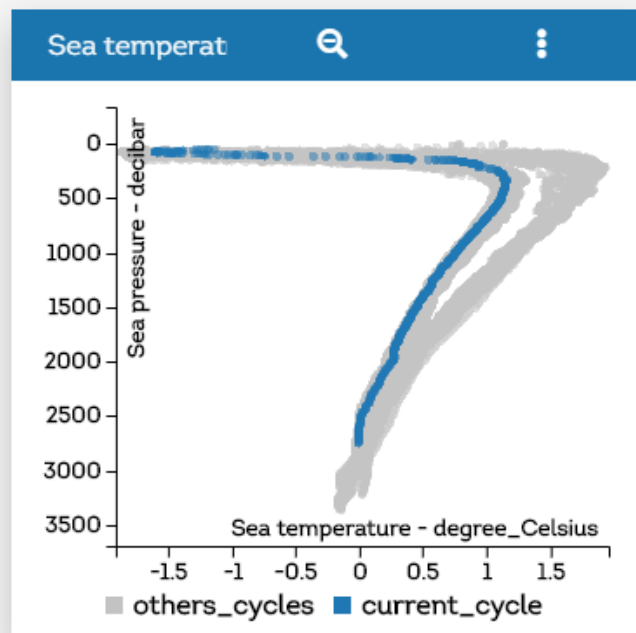
- “Visualization of Argo profiling float metadata, **ocean measurements**, trajectories and technical parameters”
- Data popup (will be updated in 2020)



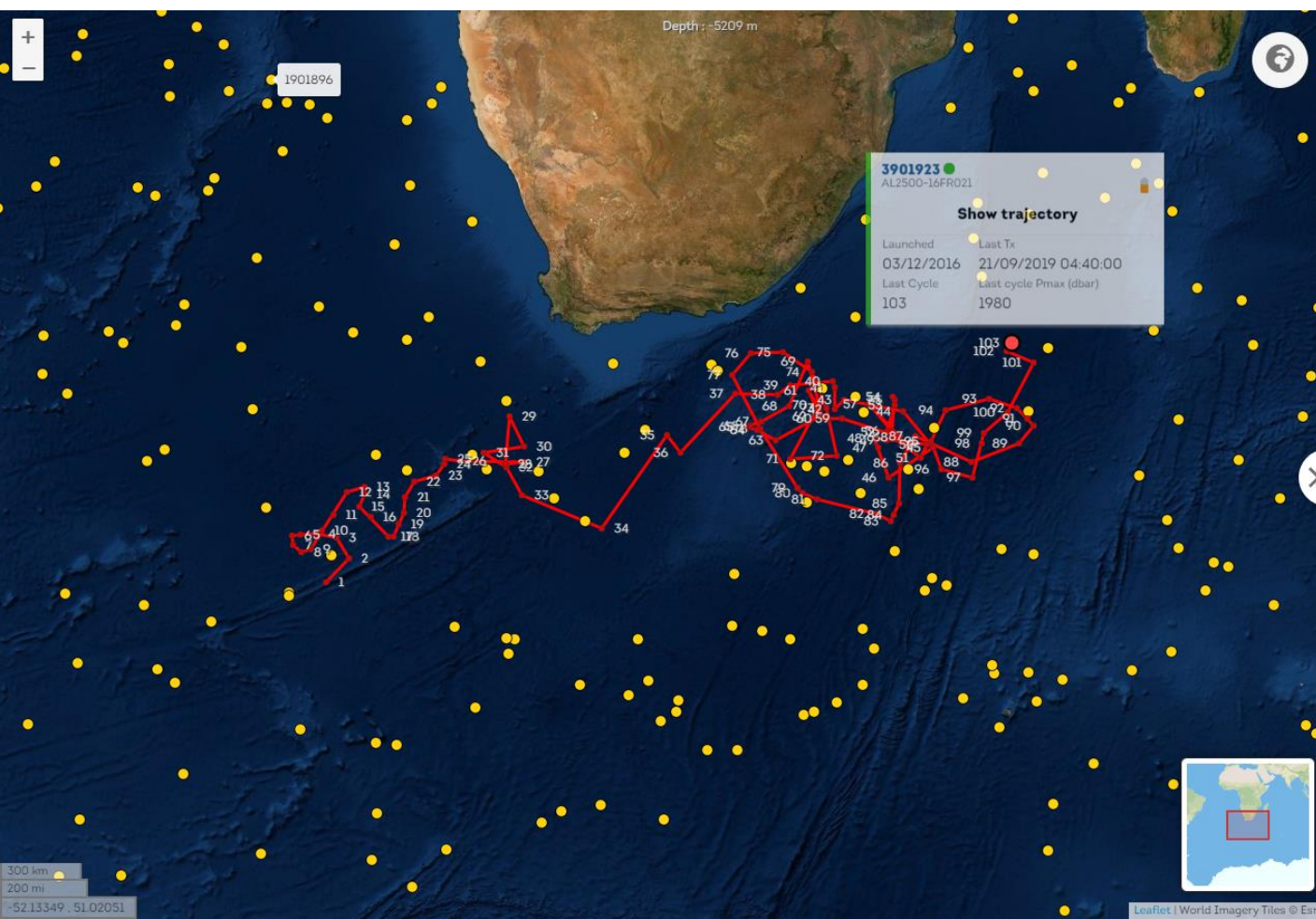
Float 3902129 Cycle 34 ASCENDING



[in Ascii](#) [in Netcdf](#)

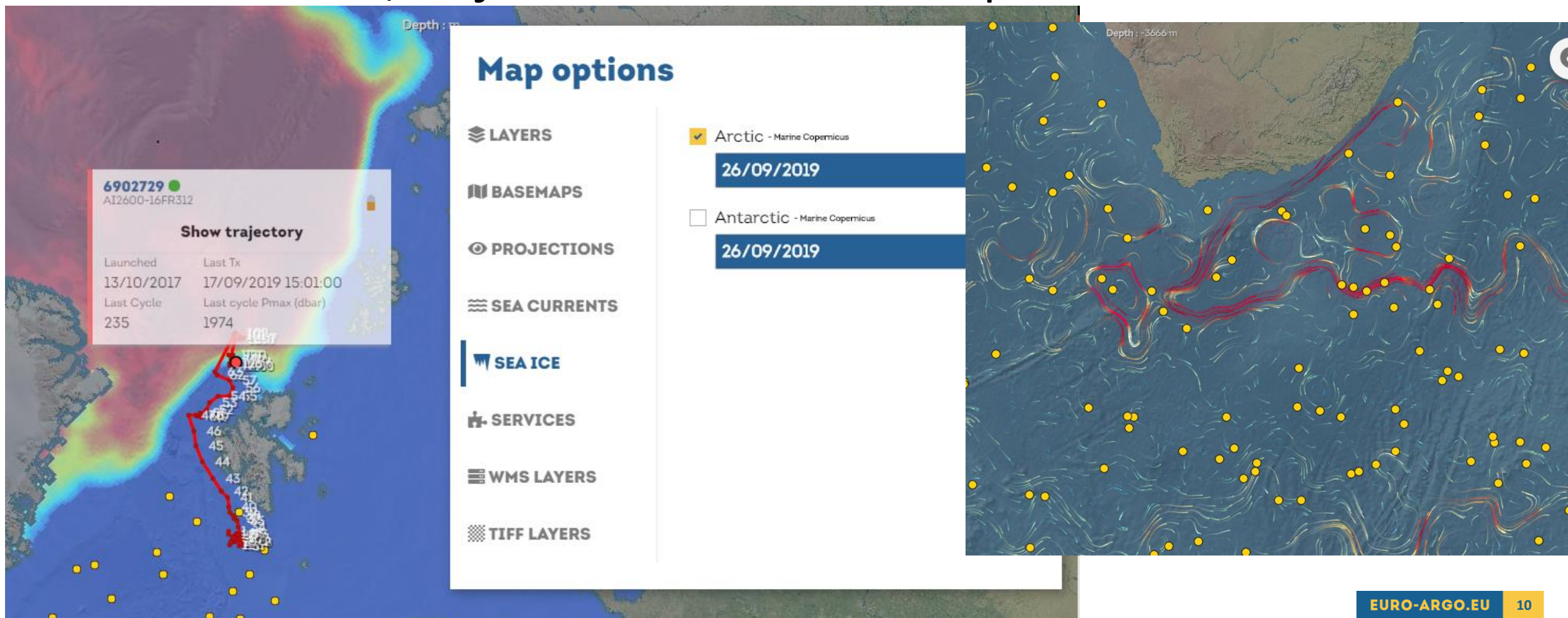


- “Visualization of Argo profiling float metadata, ocean measurements, **trajectories** and technical parameters”



- Basemaps
- Projections
- Context (depth, sea ice, sea currents, etc.)
- Last position of all floats
- ...

- “Visualization of Argo profiling float metadata, ocean measurements, **trajectories** and technical parameters”



- “Visualization of Argo profiling float metadata, ocean measurements, trajectories and **technical parameters**”

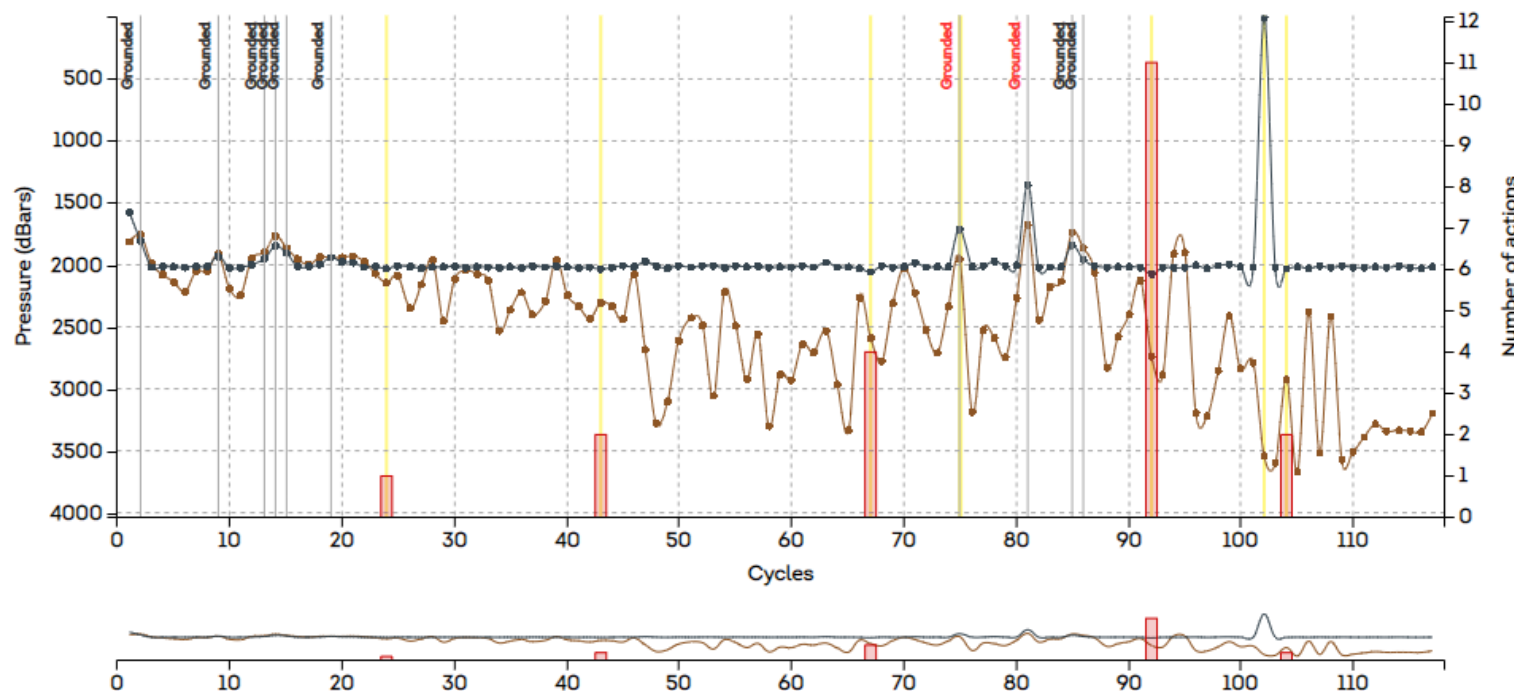
- DESCENT TO PARK**
 - Pump Actions
 - Valve Actions
- DRIFT**
 - Pump Actions
 - Valve Actions
- DESCENT TO PROFILE**
 - Pump Actions
 - Valve Actions
- PROFILE DRIFT**
 - Hydraulic Actions
- ASCENT TO SURFACE**
 - Pump Actions
- POSITIONING**
 - Positioning
- ICE**
 - Ice Detection Related Parameters
- DATA TRANSMISSION**

Descent to Profile - Pump actions

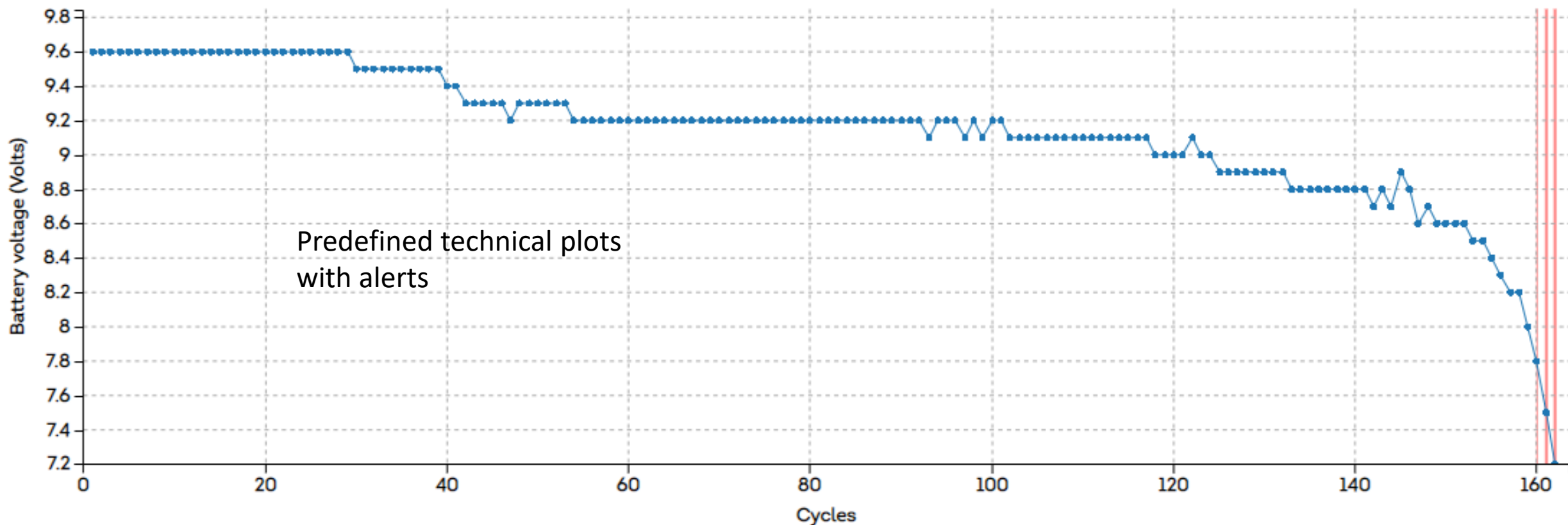


■ PRES_Traj-DescentToProfileMaxPressure_dbar
 ■ NUMBER_PumpActionsDuringDescentToProfile_COUNT
 ■ GEBCO Bathymetry


Predefined technical plots with alerts



- “Visualization of Argo profiling float metadata, ocean measurements, trajectories and **technical parameters**”



• Dashboard



DASHBOARD

Status

☐ Inactive 263

☒ Active 612

Year of deployment

☐ 2019 495

☐ 2018 660

☐ 2017 699

☒ 2016 612

...

Country

☐ France 34

☐ Germany 30

☐ Europe 30

☐ United Kingdom 25

...

Basin

☐ Pacific ocean 223

☐ Indian ocean 200

☐ Atlantic ocean 154

☐ Arctic ocean 15

...

Telecom

☐ IRIDIUM 502

☐ ARGOS 110

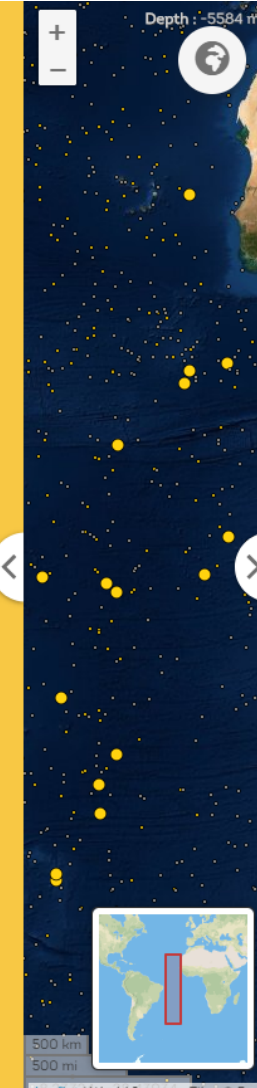
DAC

☐ AOML 351

☐ CORIOLIS 105

612 floats

A	WMO	Float S/N PTT	Float	Last Tx	Last cycle	Battery	Launch date	Cruise
		5902480	6474 n/a	SOLO_II	08/10/2019 18:57:01	112	<div></div>	18/10/2016
		5902521	6017 n/a	SOLO_D	03/10/2019 05:20:59	88	<div></div>	18/10/2016
		4902351	7370 n/a	S2A	21/09/2019 05:17:27	111	<div></div>	18/10/2016
		6902737	OIN-15-S4-08 lovbio103c	PROVOR_III	08/10/2019 04:37:00	372	<div>9.3</div>	18/10/2016 SoCLIM
		6902736	OIN-15-S4-06 lovbio101c	PROVOR_III	07/10/2019 02:39:00	373	<div>9.5</div>	18/10/2016 SoCLIM
		4902352	7372 n/a	S2A	03/10/2019 15:30:54	112	<div></div>	18/10/2016
		5902481	8473 n/a	SOLO_II	30/09/2019 07:50:01	111	<div></div>	19/10/2016
		6902735	OIN-15-S4-05 lovbio100c	PROVOR_III	01/10/2019 06:01:00	369	<div>5.4</div>	19/10/2016 SoCLIM
		5902523	6019 n/a	SOLO_D	06/10/2019 23:05:00	90	<div></div>	20/10/2016
		5902482	8474 n/a	SOLO_II	29/09/2019 14:10:02	111	<div></div>	20/10/2016
		3901846	AI2600-16FR009	ARVOR	07/10/2019 17:43:30	109	<div>10.5</div>	20/10/2016 M131



Depth: -5584 m

500 km 500 mi

Leaflet | World Imagery Tiles © Esri

- Indexes
- Results table
- Link to float pages
- Alerts
- Map



Euro-Argo fleet monitoring

- Use cases

- Your floats (selection through indexes)
- Sort by Alert
 - **Missing Profile** (today > cycle_period + last Tx): your float is probably dead or not decoded
 - **Battery**: your float will probably die soon; consider recovery?

The dashboard displays information on float last cycle only

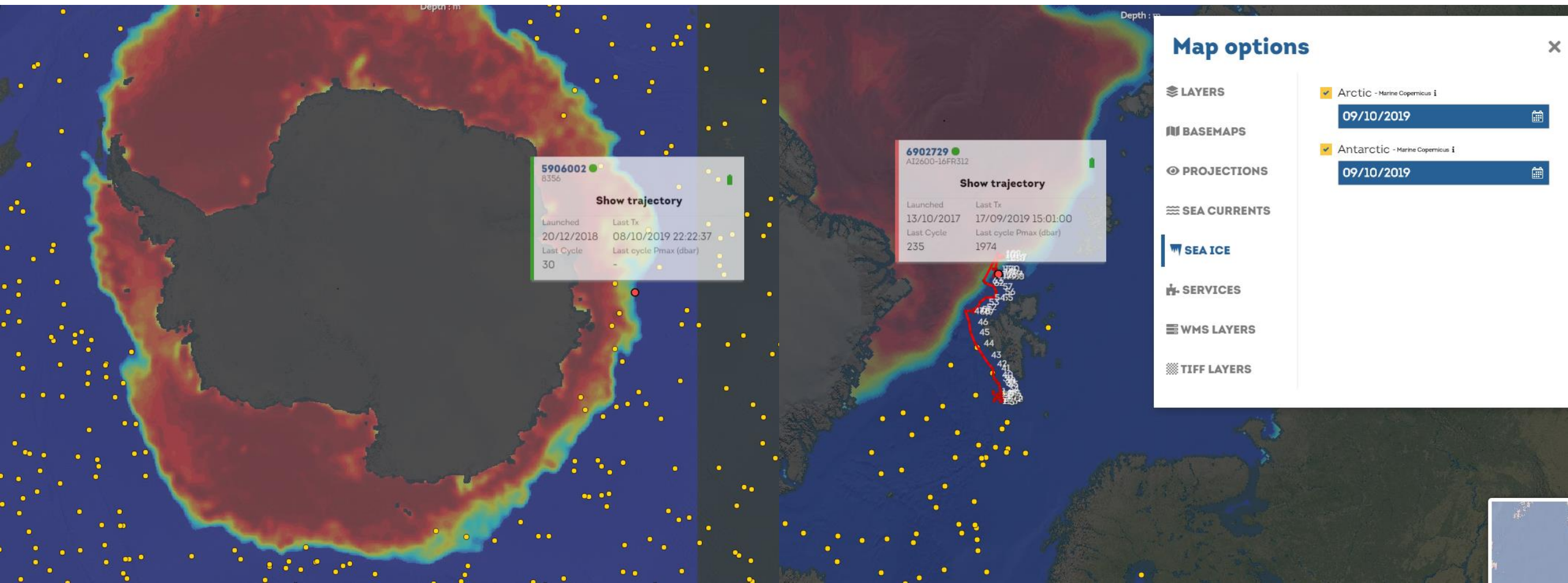
6901677	OIN-14-AR-32 140824	ARVOR	08/10/2019 07:27:00	154	  6.9	29/07/2015
6902631	OIN-15D-ARL-11 152046	ARVOR	25/09/2019  12:13:00	141	  6.9	15/11/2015
6901735	OIN-14-AR-74 144178	ARVOR	28/09/2019 20:31:00	165	  6.9	31/03/2015

- **Surface** (End of Life messages, grounded @ 0 dbar, tech messages but not profile data, saturation of valve actions during buoyancy reduction phase, etc.): check your float!
- **Grounding** (alert if not coherent with bathy; to be refined)
- **Profile max pressure:** your float did not reach its target profile pressure +/- tolerance

A	WMO	Last Tx	Last cycle	Battery	Last cycle Pmax (dbar)	Surface float	Last cycle grounded ▼
	3901860	12:22:55		10.6			
	3901941	10/09/2019 02:03:00	382	10	0	10/09/2019 06:28:23	G
	6902811	30/09/2019 07:04:40	79	12.6	2967		G
	6901269	01/10/2019 05:54:00	48	9.5	1360		G

6902753	30/09/2019 23:55:00	77	9.2	2070
6902904	09/10/2019 09:24:00	83	9.7	1950
6900900	02/10/2019 06:13:00	170	9.5	1990

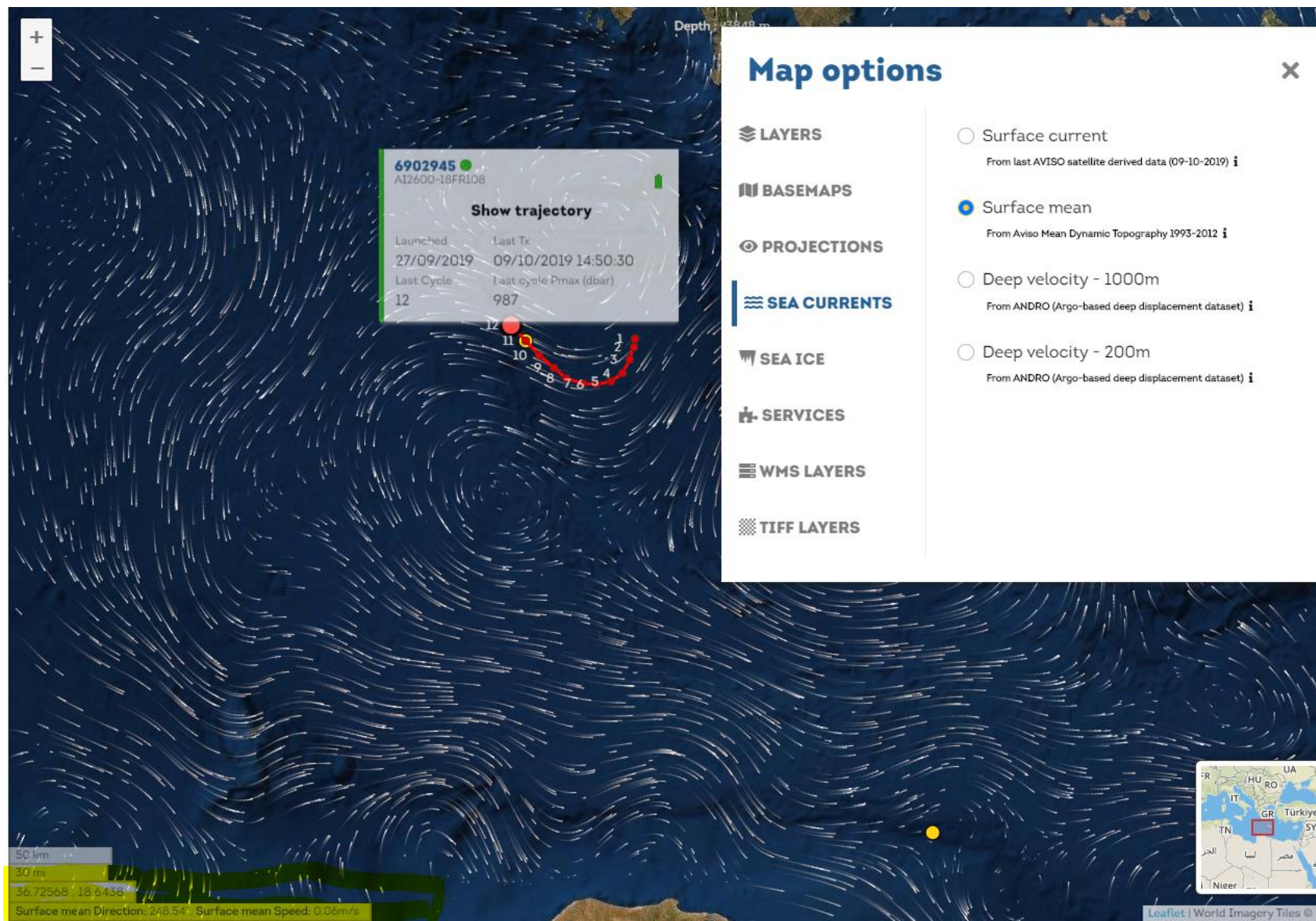
- **Check float positions with last sea ice edge:**
adjust float parameters (ISA, cycle period etc.) before the float is trapped under ice;
- Go back in time to check ice edges with float trajectory and profile dates



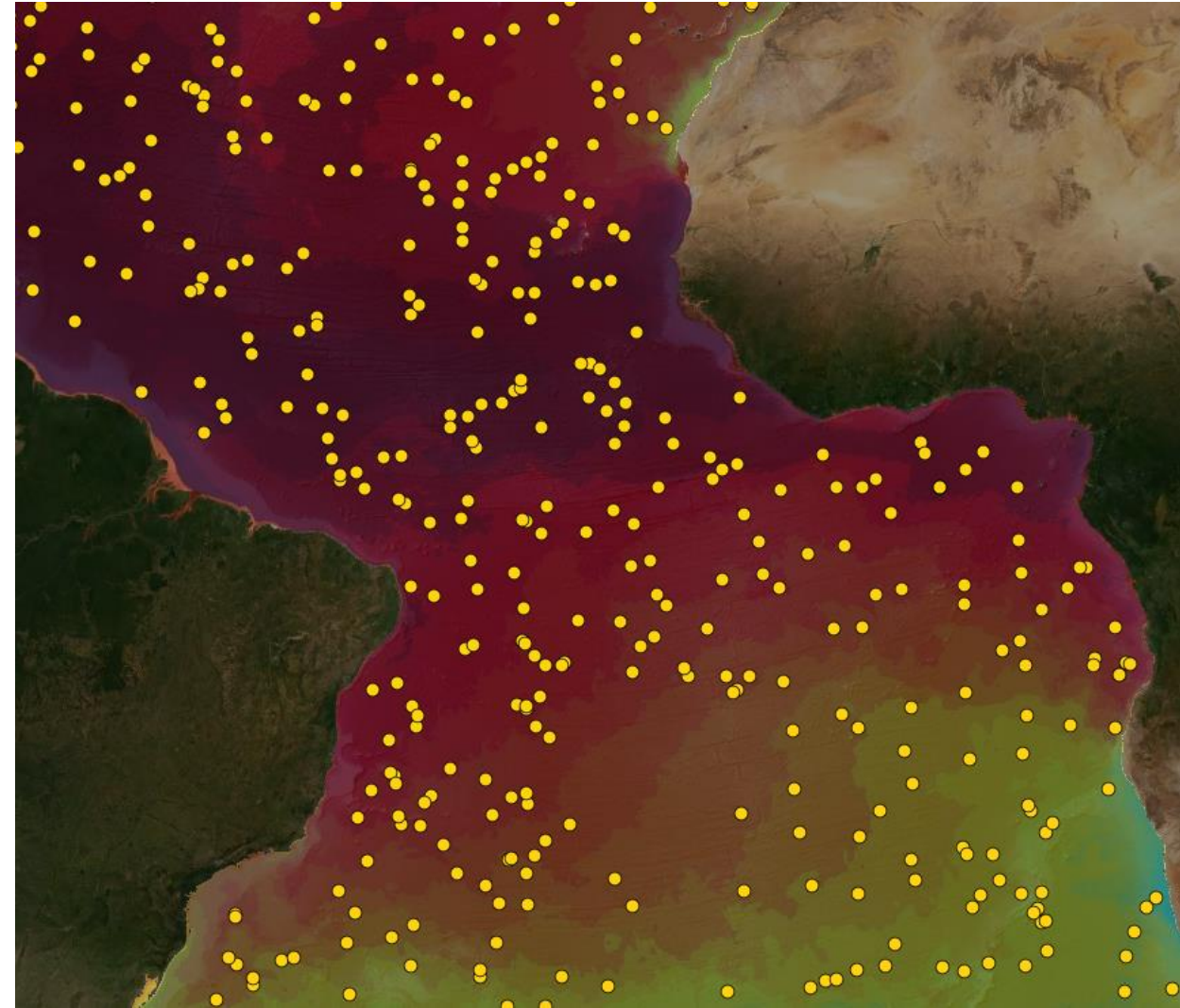
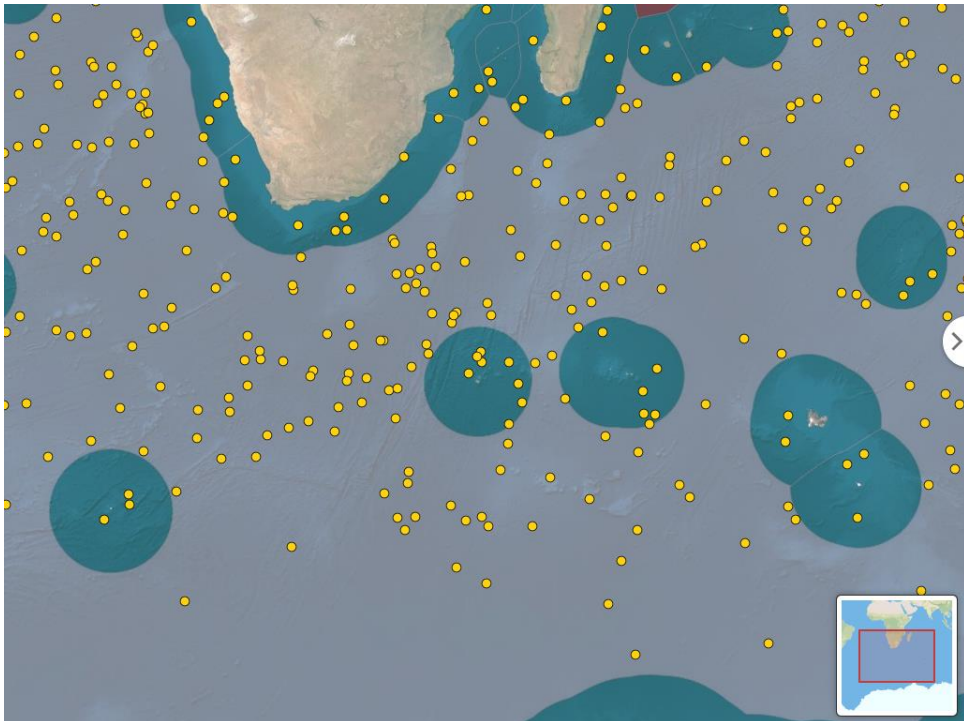


Dashboard – Map – CURRENTS

- Float trajectory with surface current (AVISO) deep current (ANDRO)



- Sea Surface Temperature
- EEZ
- WMS



- *Stabilisation problems during drift (pump actions)*
- *Increased tolerance after cycle 161*



Float 3901986

MAIN INFORMATION

TECHNICAL PLOTS

ALL METADATA



Float 3901986

MAIN INFORMATION

TECHNICAL PLOTS

ALL METADATA

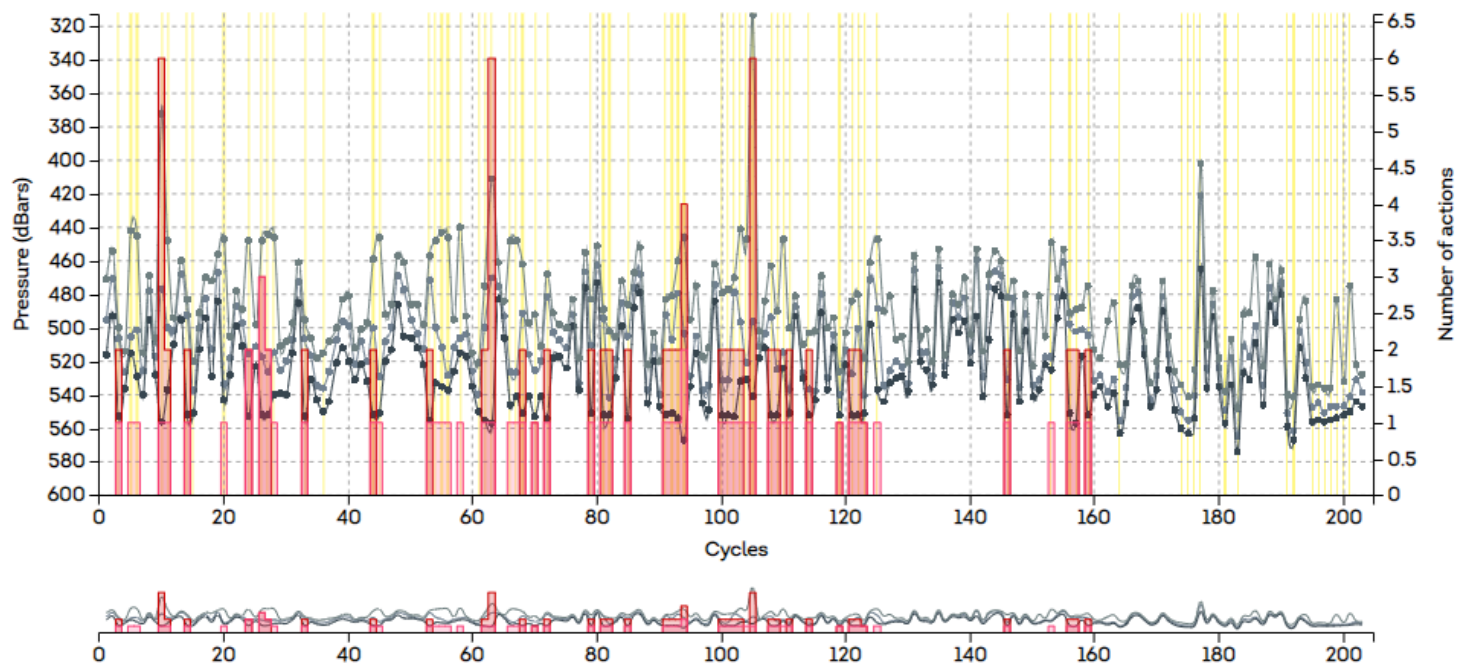
Float configuration

Mission configurations

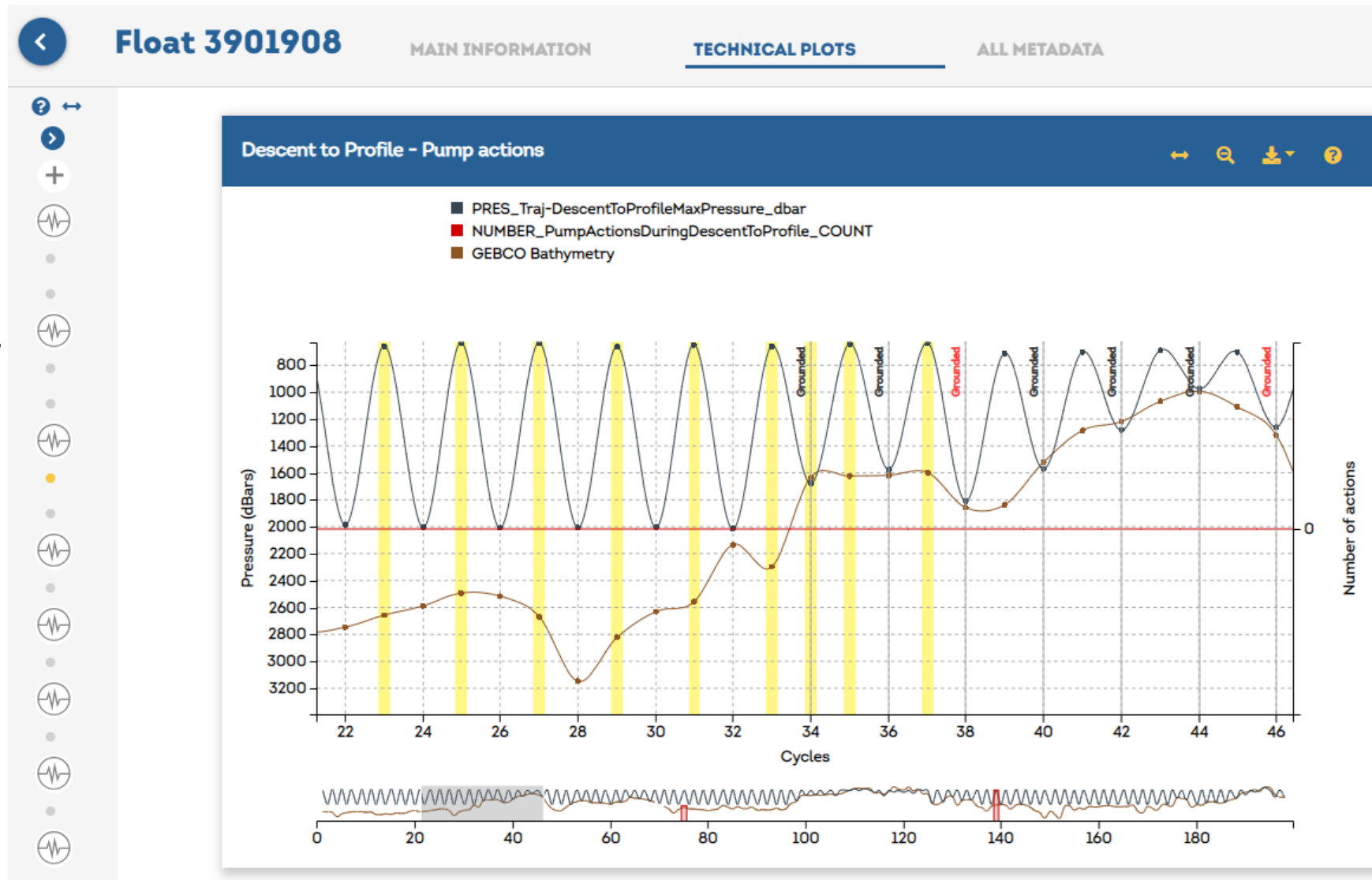
Cycles #	1	2>160	161>203
CONFIG_CycleTime_hours	60.5	72	72
CONFIG_DescentToParkPresSamplingTime_seconds	10	0	0
CONFIG_Direction_NUMBER	3	1	1
CONFIG_InternalPressureCalibrationCoef2_NUMBER	-133	-133	-133
CONFIG_ParkPressure_dbar	500	500	500
CONFIG_PressureTargetToleranceDuringDrift_dbar	50	50	100
CONFIG_PressureTargetToleranceForStabilisation_dbar	30	30	50
CONFIG_ProfilePressure_dbar	2000	2000	2000

Drift - Pump actions

- PRES_Traj-RepresentativeParkPressure_dBar
- PRES_Traj-ParkMaximum_dbar
- PRES_Traj-ParkMinimum_dbar
- NUMBER_PumpActionsDuringPark_COUNT
- NUMBER_RepositionsDuringPark_COUNT
- GEBCO Bathymetry



- Targeted profile pressure not reached for alternate cycles (@700 dbar)
- Decrease DescentSpeed after cycle 38



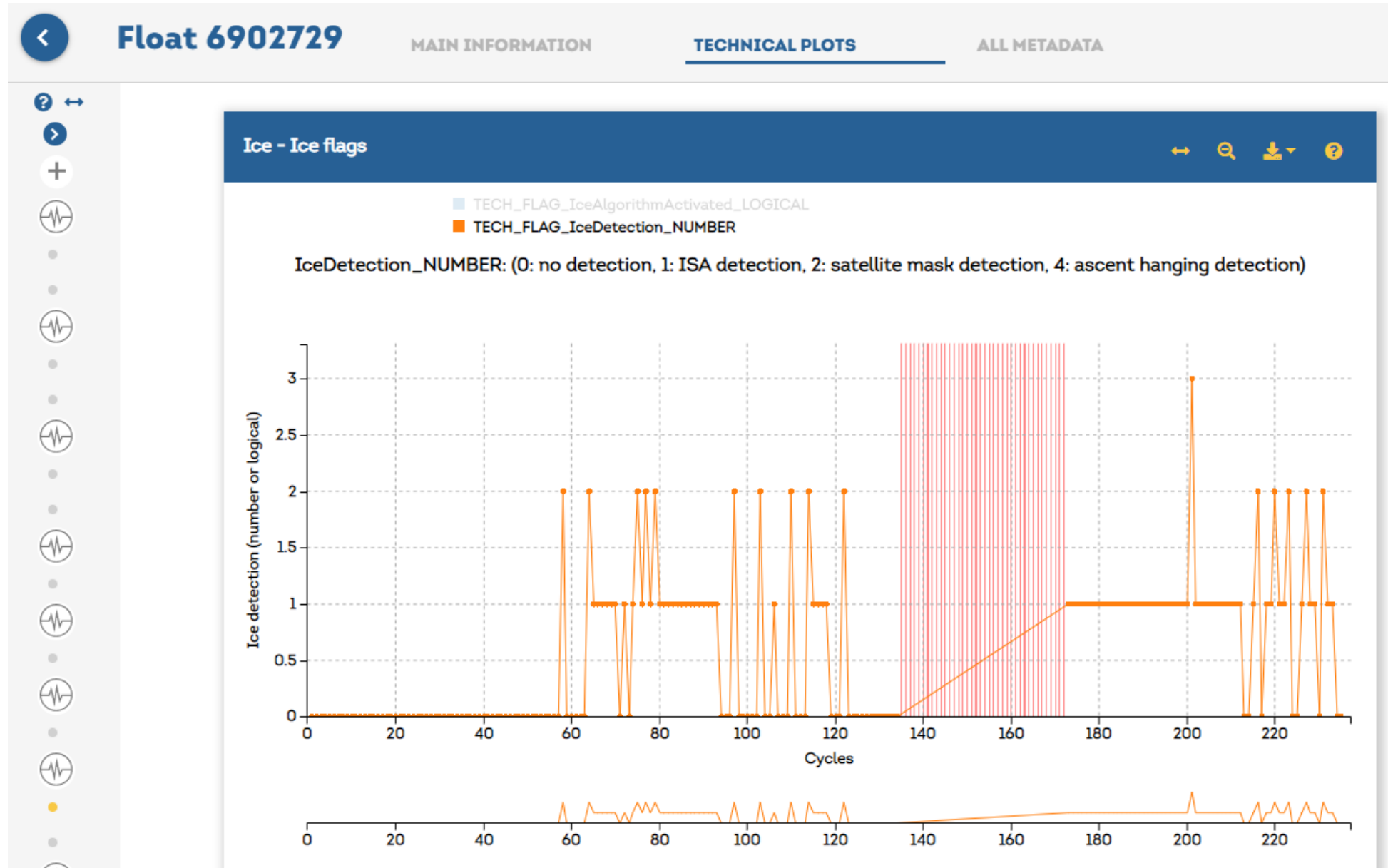


Dashboard – Statistics – MISSING CYCLES

- *Check the floats that have missing cycles*
(difference between number of cycles and max cycle number)
- *Under ice, not decoded, etc.*

< 152 floats			Nb floats	Nb cycles
+ CTD			6 3.95%	14 0.09%
+ FLAG_InvalidSalinity_LOGICAL			6 3.95%	7 0.05%
+ FLAG_InvalidTemperature_LOGICAL			2 1.32%	7 0.05%
+ Hydraulic			151 99.34%	6413 41.32%
+ FLAG_Park_ImmersionDriftOutTolerance_LOGICAL			147 96.71%	2593 16.71%
+ FLAG_ProfileMaxPressureAnomaly_LOGICAL			142 93.42%	2158 13.9%
- FLAG_MissingCycle_LOGICAL			13 8.55%	103 0.66%
3901842 3901851 3901863 3901874 3901879 3901885 3901899 3901902 3901906 3901909 3901938 3901957 3901982				

- Ice detections*



- *GPS valid fix*



Float 3901900

MAIN INFORMATION

TECHNICAL PLOTS

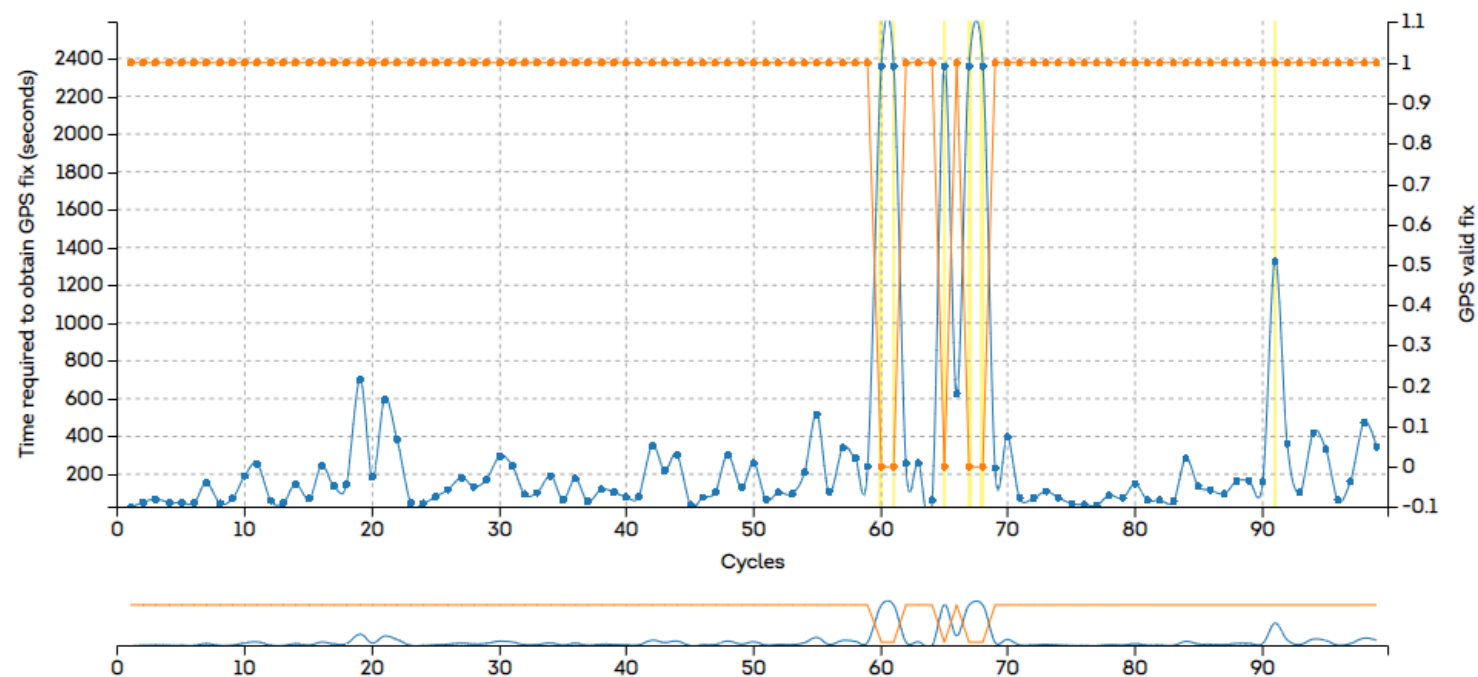
ALL METADATA

Positioning

Positioning -



■ TIME_IridiumGPSFix_seconds
■ TECH_FLAG_GPSValidFix_LOGICAL





- Descent to Profile**

Descent to Profile - Pump actions

Legend:

 - PRES_Traj-DescentToProfileMaxPressure_dbar
 - NUMBER_PumpActionsDuringDescentToProfile_COUNT
 - GEBCO Bathymetry

Pressure (dBar)

Cycles

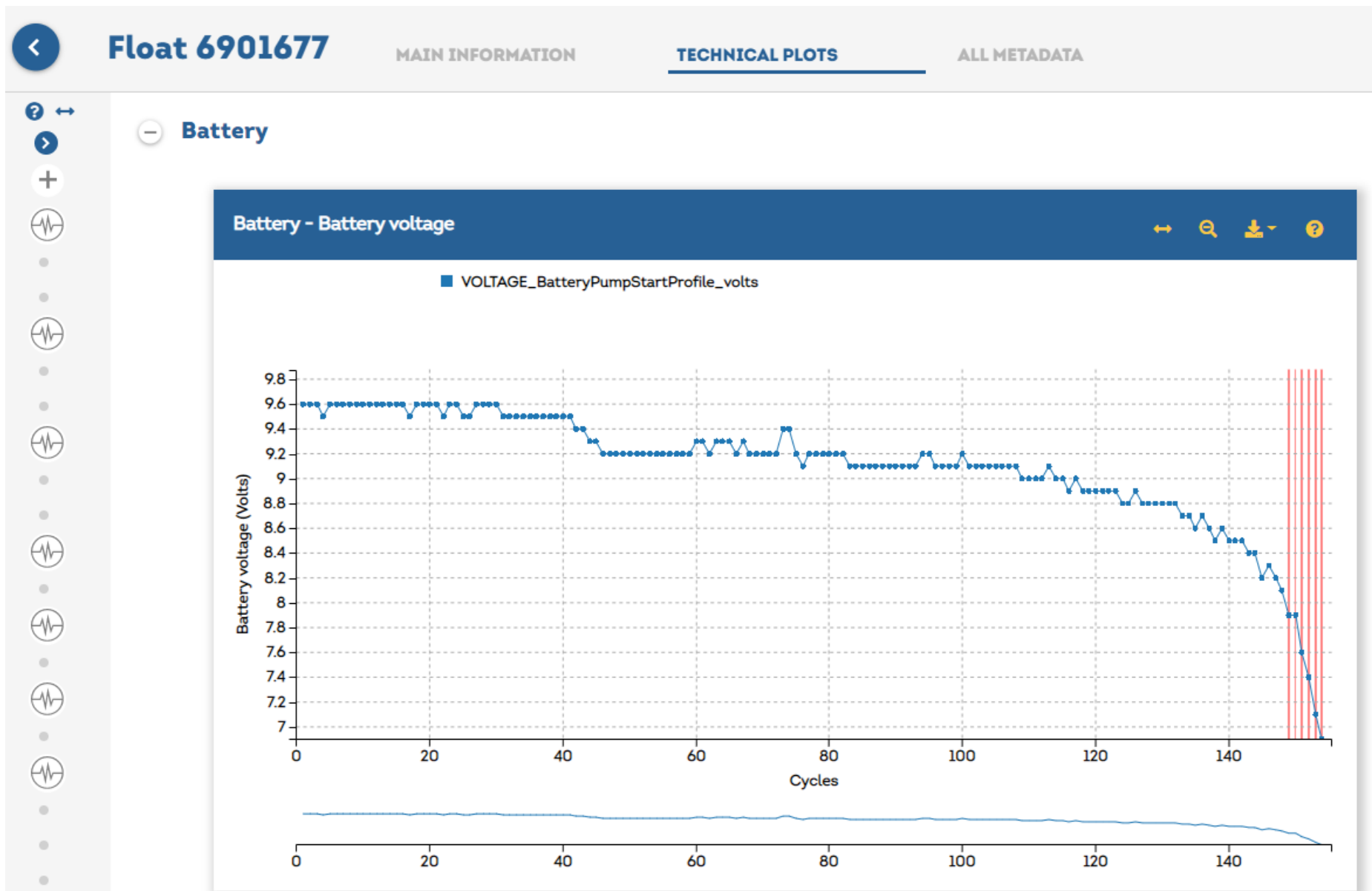
Number of actions

Cycles	PRES_Traj-DescentToProfileMaxPressure_dbar	NUMBER_PumpActionsDuringDescentToProfile_COUNT	GEBCO Bathymetry
0	2000	0	2800
5	2000	0	2800
10	2000	0	2800
15	2000	0	2800
16	1800	0	1800
17	1800	0	1800
18	1800	0	1800
19	1800	0	1800
20	1800	0	1800
21	1800	0	1800
22	1800	0	1800
23	1800	0	1800
24	1800	0	1800
25	1800	0	1800
26	2000	6000	2000
27	2000	6000	2000
28	2000	6000	2000
29	2000	6000	2000
30	2000	6000	2000
31	2000	6000	2000
32	2000	6000	2000
33	2000	6000	2000
34	2000	6000	2000
35	2000	6000	2000
36	2000	6000	2000
37	2000	6000	2000
38	2000	6000	2000
39	2000	6000	2000
40	2000	6000	2000
41	2000	6000	2000
42	2000	6000	2000
43	2000	6000	2000
44	2000	6000	2000
45	2000	6000	2000
46	2000	6000	2000
47	2000	6000	2000
48	2000	6000	2000
49	2000	6000	2000
50	2000	6000	2000
51	2000	6000	2000
52	2000	6000	2000
53	2000	6000	2000
54	2000	6000	2000
55	2000	6000	2000
56	2000	6000	2000
57	2000	6000	2000
58	2000	6000	2000
59	2000	6000	2000
60	2000	6000	2000



Float page – Technical plots – BATTERY VOLTAGES

- *Below threshold*
- *Drop (difference x% compared to last cycle)*





Float page – Technical plots – BATTERY VOLTAGES

- *APEX Alkaline*

Float 6900366

MAIN INFORMATION

TECHNICAL PLOTS

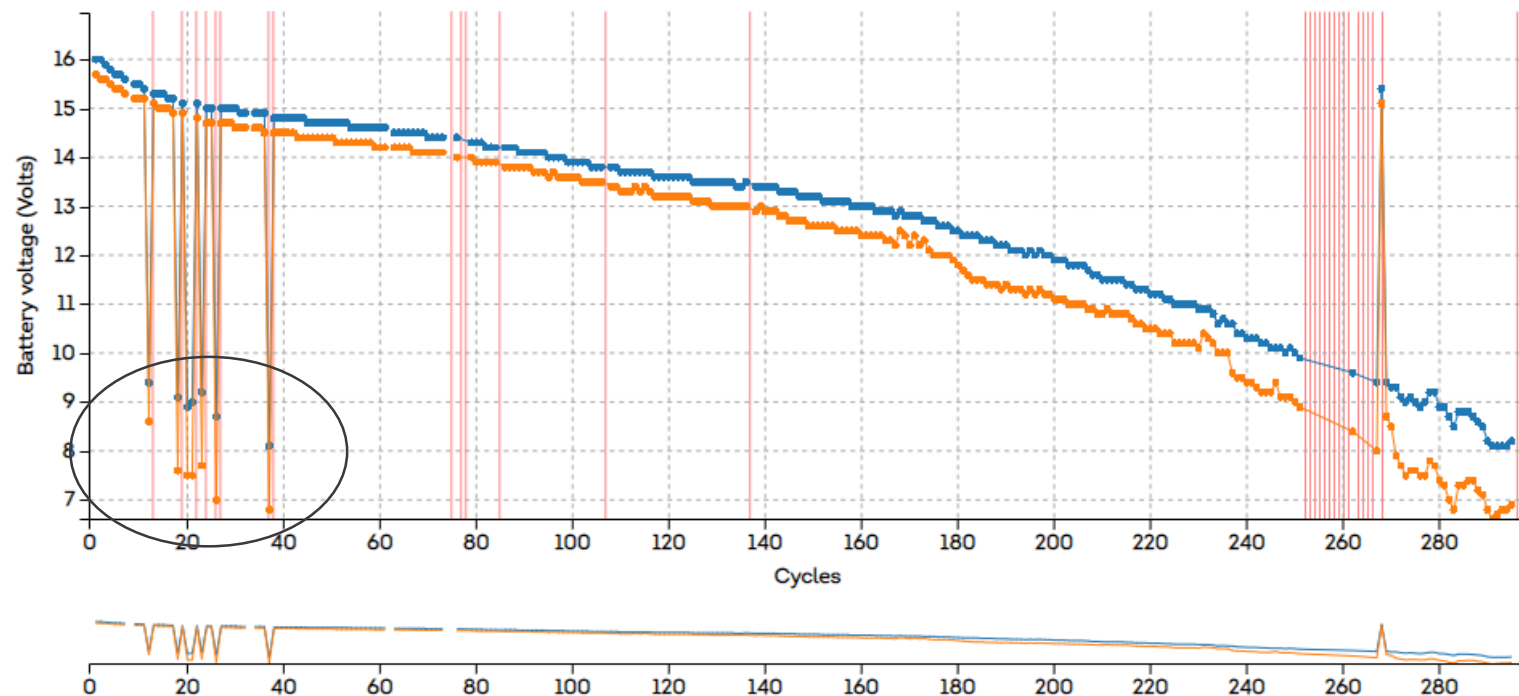
ALL METADATA

– Battery

Battery - Battery voltage

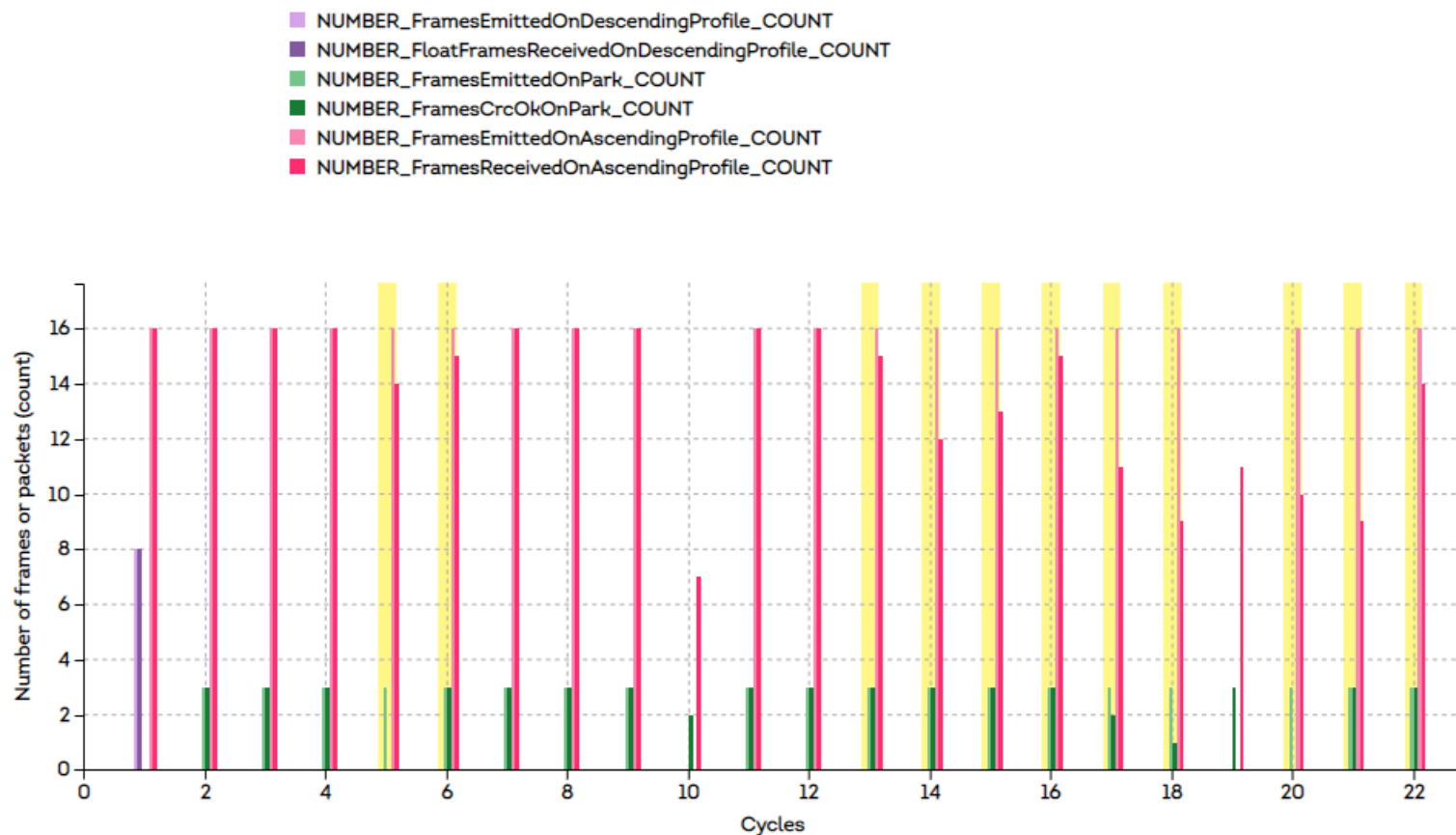


VOLTAGE_BatteryParkEnd_VOLTS
VOLTAGE_BatterySBEAscent_VOLTS



Data Transmission

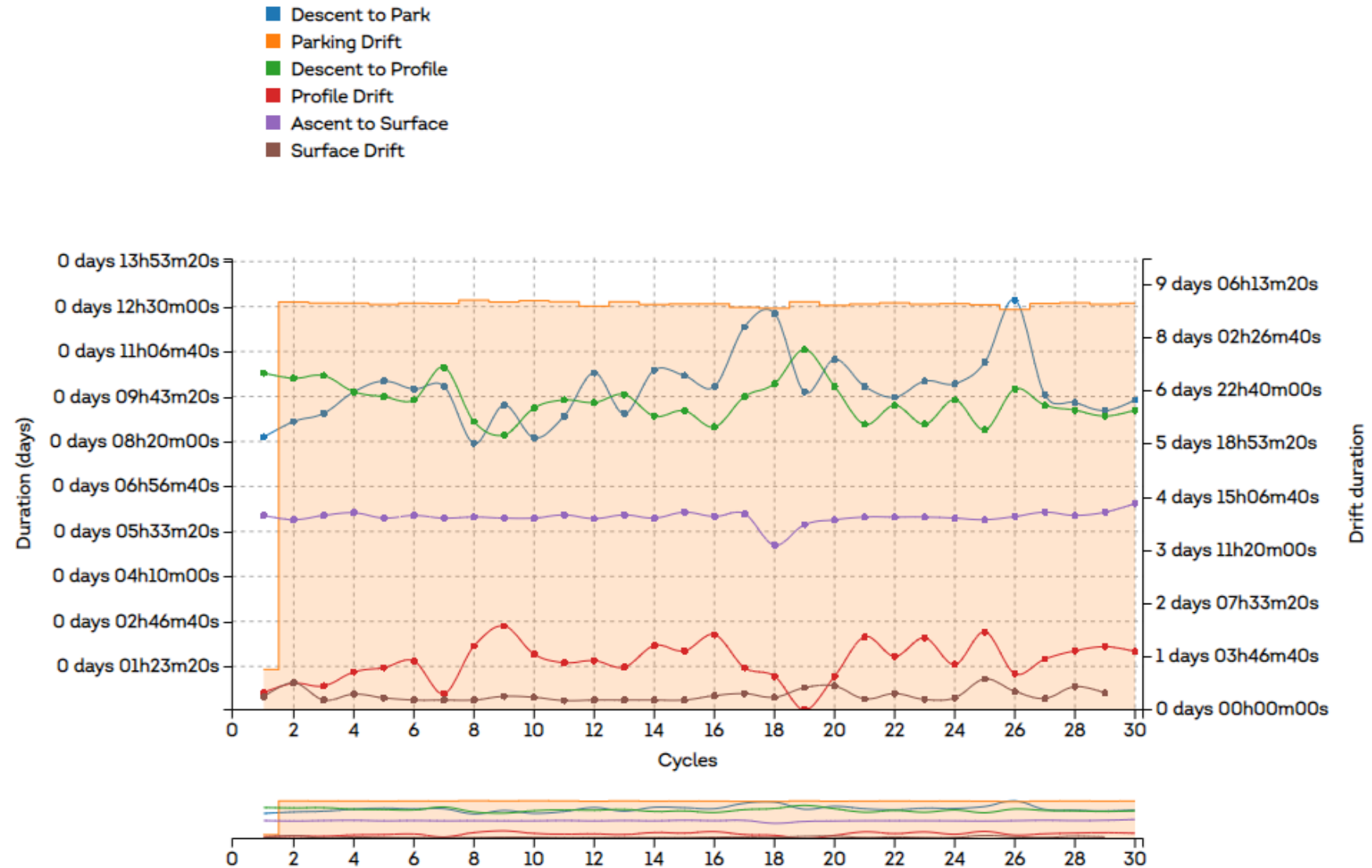
Data Transmission - CTD messages



- ARGOS transmission problems
- Some packets sent by the float are not received on shore



Cycle phases durations - Deep cycle phases durations





Float page – Technical plots – ANY PARAMETER

Plot any technical parameter

Float
3901887

MAIN INFORMATION

TECHNICAL PLOTS

TIME_PreviousIridiumSession_seconds

NUMBER_Traj-ClockOffset_FLOAT

CLOCK_EndDescentToProfile_HHMM

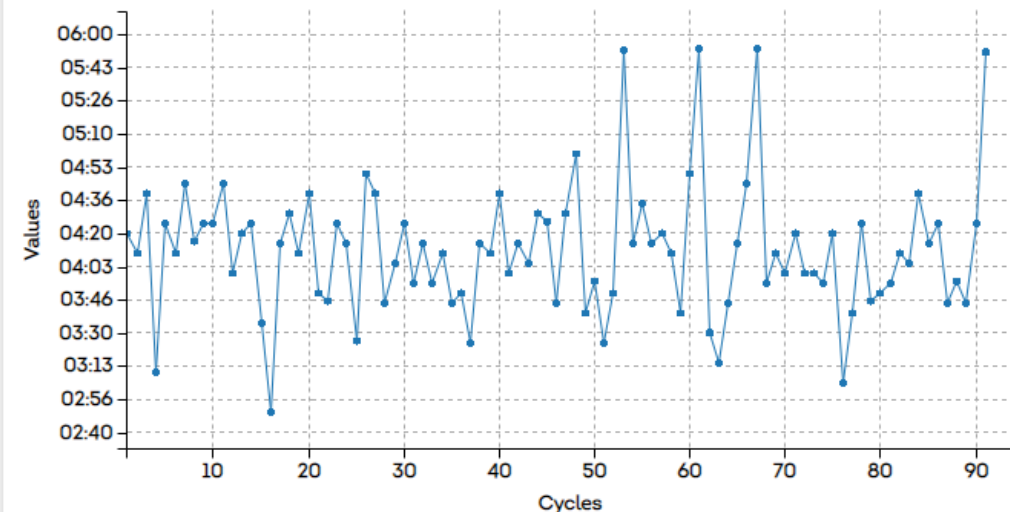
CLOCK_InitialValveActionDescentToPark_HHMM

CLOCK_Traj-JuldParkend_DDMMYYYYHHMMSS

FLAG_InitialCheckError_NUMBER

*CLOCK_EndDescentToProfile_HHMM *TECH_NUMBER_AscentIridiumPacketsReceived_COUNT

CLOCK_EndDescentToProfile_HHMM

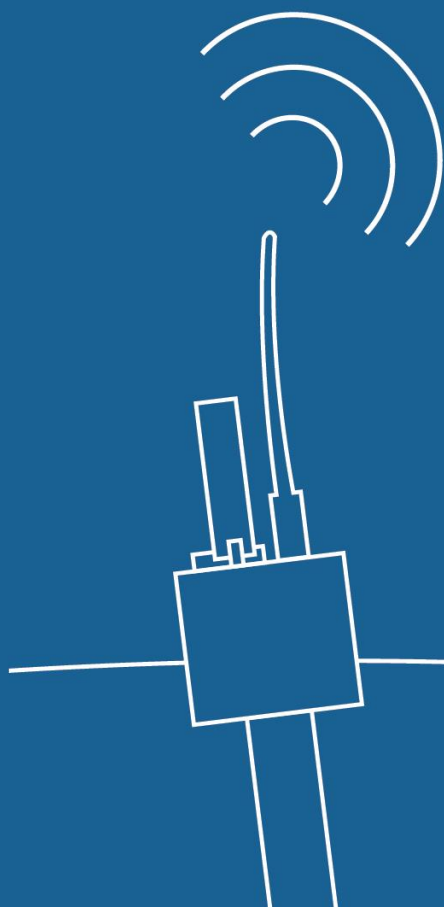


Technical Parameters

Select the technical parameters from here

*CLOCK_EndDescentToProfile_HHMM *TECH_NUMBER_AscentIridiumPacketsReceived_COUNT

Please send us your feedback!



EURO-ARGO.EU

euroargo@ifremer.fr

 @EuroArgoERIC



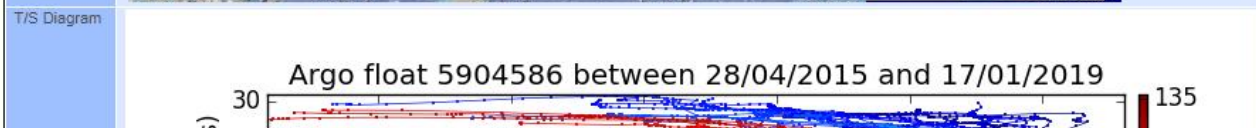
Euro-Argo fleet monitoring

- History

- Ifremer **float webpage** + at sea monitoring for group of floats (2002 => 2017)

Code	5904586	<input type="button" value="Login"/> <input type="text" value="Enter platform code"/> <input type="button" value="Float list"/>
Name	NAVIS_A Profiling Float	
Description	Argo PMEL	
Project	US ARGO PROJECT	
Institution	Pacific Marine Environmental Laboratory (PMEL), National Oceanic and Atmospheric Administration (NOAA)	
Data Assembly Center	AO : AOML	
Activity	Inactive	
Status		
Comment		
First station date	28/04/2015 14:35:58	
Last station date	17/01/2019 06:35:50	
Float cycles	162, 161, 160, 159, 158, 157, 156, 155, 154, 153, 152, 151, 150, 149, 148, 147, 146, 145, 144, 143, 142, 141, 140, 139, 138, 137, 136, 135, 134, 133, 132, 131, 130, 129, 128, 127, 126, 125, 124, 123, 122, 121, 120, 119, 118, 117, 116, 115, 114, 113, 112, 111, 110, 109, 108, 107, 106, 105, 104, 103, 102, 101, 100, 99, 98, 97, 96, 95, 94, 93, 92, 91, 90, 89, 88, 87, 86, 85, 84, 83, 82, 81, 80, 79, 78, 77, 76, 75, 74, 73, 72, 71, 70, 69, 68, 67, 66, 65, 64, 63, 62, 61, 60, 59, 58, 57, 56, 55, 54, 53, 52, 51, 50, 49, 48, 47, 46, 45, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0	
Stations	in Ascii, in Netcdf	
Trajectory data	in Ascii, in Netcdf	
Graphics of individual profiles	Verticals profiles, Immersion profiles	
Map		

<http://www.ifremer.fr/co-argoFloats/float?ptfCode=5904586>



- Ifremer float webpage + at sea monitoring for group of floats (2002 => 2017)

Float age

Float status

Functional monitoring

Technical monitoring

[Full report](#) | [WMO Correspondance](#) | [Print page](#)

[Active Floats](#)
[Dead Floats](#)

MOCCA

152 floats - 138 active floats at 27/09/2019

2 deployed floats, 2 new dead float(s) since last monthly bulletin at 02/08/2019

ARVOR (20)
+ 0
- 0

ARVOR_I (116)
+ 2
- 2

floats - 20 active floats at 27/09/2019

0 deployed floats, 0 new dead floats since last monthly bulletin at 02/08/2019

	Floats	Program	Deployment data	Lastest cycle Missing cycles	T/S Profiles		Drift Cycles with anomaly	Data Transmission			Battery Voltage	Kms		
					Quality	Length		Cycle	Missing Frames	Missing Measurements		Kms done	kms done / previous month	Expected Kms/ previous month
	3901937	MOCCA-EU	09/01/2017	18/09/2019 #99	OK	Too short	OK	OK			9.2	198.9	10.0	11.2
	3901935	MOCCA-EU	08/01/2017	17/09/2019 #99	OK	Too short	OK	OK			9.1	196.1	8.0	11.2
	3901934	MOCCA-EU	10/01/2017	19/09/2019 #99	OK	Too short	OK	OK			9.2	198.0	10.1	11.2
	3901933	MOCCA-EU	31/10/2017	23/09/2019 #70	OK	Too short	OK	OK			9.3	140.7	12.1	11.2
	3901932	MOCCA-EU	08/06/2018	23/09/2019 #48	OK	Too short	OK	OK			9.3	96.1	12.0	11.2
	3901931	MOCCA-EU	19/01/2017	18/09/2019 #98	OK	Too short	OK	OK			9.1	195.7	10.0	11.2
	3901930	MOCCA-EU	24/01/2017	23/09/2019 #98	OK	Too short	OK	OK			9.4	194.2	12.1	11.2

GO.EU

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Monitoring Argo floats – History

- Euro-Argo **float webpage** + dashboard for group of floats (2017 => 2019)

Argo Float 3901885

WMO Number
Group Code

ACCESS PLATFORM
ACCESS DASHBOARD
+ -

MAIN INFORMATION

TECHNICAL PARAMETERS

DETAILED INFORMATION

About float

WMO 3901885	INST_REFERENCE AI2600-16FR048	PLATFORM_TYPE ARVOR	TRANS_SYSTEM IRIDIUM	PTT 248066i	FLOAT_OWNER KNMI
DATA_CENTRE BO	SENSORS CTD_PRES, CTD_TEMP, CTD_CNDC				

Deployment

PR_LAUNCH_DATETIME 19/12/2016 03:45:00	DEPLOY_PLATFORM PLANCIUS	CRUISE_NAME Transit	PR_EXPERIMENT_ID MOCCA-NETH	PI_NAME Andreas Starke
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Cycles Activity

Status Active	First station date 19/12/2016 06:18:00	Last station date 17/09/2019 12:03:00	Stations data in Ascii in Netcdf	Trajectory in Ascii in Netcdf
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Cycles #

[0](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [21](#) [22](#) [23](#) [24](#) [25](#) [26](#) [27](#) [28](#) [29](#) [30](#) [31](#) [32](#) [33](#) [34](#) [35](#) [36](#) [37](#) [38](#) [39](#) [40](#) [41](#) [42](#) [43](#) [44](#) [45](#) [46](#) [47](#) [48](#) [49](#) [50](#) [51](#) [52](#) [53](#) [54](#) [55](#) [56](#) [57](#) [58](#) [59](#) [60](#) [61](#) [62](#) [63](#) [64](#) [65](#) [66](#) [67](#) [68](#) [69](#) [70](#) [71](#) [72](#) [73](#) [74](#) [75](#) [76](#) [77](#) [78](#) [79](#) [80](#) [81](#) [82](#) [83](#) [84](#) [85](#) [86](#) [87](#) [88](#) [89](#) [90](#) [91](#) [92](#) [93](#) [94](#) [95](#) [96](#) [97](#) [98](#) [99](#) [100](#) [101](#)

Data

T/S Diagram


Section chart

<http://www.ifremer.fr/argoMonitoring/float/3901885>



Monitoring Argo floats – History

- Euro-Argo float webpage + **dashboard for group of floats (2017 => 2019)**



Monitoring At Sea - MOCCA

[ACCESS PLATFORM](#)[ACCESS DASHBOARD](#)**Dashboard**

0 this week

0 this month

4 this year

0 this week

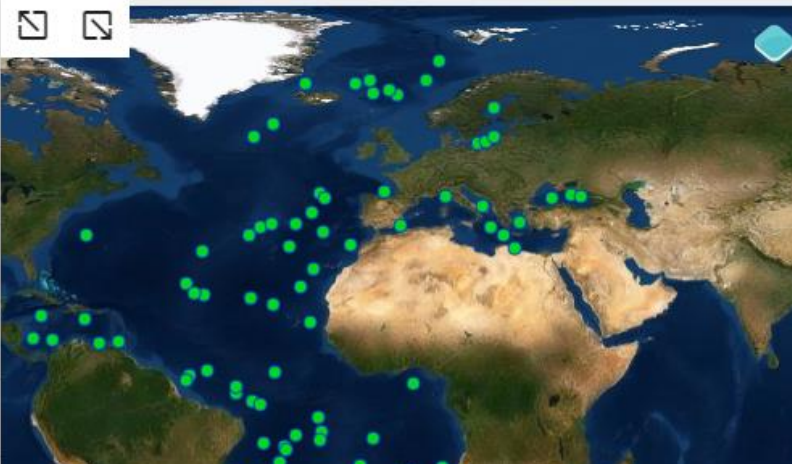
0 this month

0 this year

152 floats - 138 active on 27/09/2019

[ACTIVE FLOATS](#)[ALL FLOATS](#)[FLEET STATUS](#)[FLEET AGE](#)[FUNCTIONAL MONITORING](#)

WMO	PTT	Serial #	Float	DAC	Last Tx	Last Cycle #	Battery	Alert	Launch Date	Last
3901838	360309	AI2600-16FR001	ARVOR	IF	18/09/2019 11:49:30	113	10.4		23/08/2016 09:41:00	197:
3901839	360110	AI2600-16FR002	ARVOR	IF	19/09/2019 11:20:30	119				
3901840	360211	AI2600-16FR003	ARVOR	IF	22/09/2019 11:26:30	122				
3901841	360611	AI2600-16FR004	ARVOR	IF	25/09/2019 11:23:30	116				
3901843	360809	AI2600-16FR006	ARVOR	IF	26/09/2019 11:47:30	108				
3901844	360911	AI2600-16FR007	ARVOR	IF	20/09/2019 11:45:00	108				
					20/09/2019 11:41:00	119				



<http://www.ifremer.fr/argoMonitoring/floatMonitoring/632>