



RV Aranda

Cruise plan ***MAAMERI5***

5. - 10.9.2022

Description of the cruise:

The cruise focuses on hydrography and current measurements in the Archipelago Sea. The plan is to collect spatially comprehensive dataset of temperature and salinity from the Archipelago Sea to enhance the modelling efforts in this area. In addition, turbidity measurements will be made and water samples collected from selected stations.

Chief scientist: Laura Tuomi, FMI

CTD-chief: Hedi Kanarik, FMI, 10.09. - 10.09.

Staff: Erkkka Ilonen, FMI, 10.09. - 10.09.

Anni Jokiniemi, FMI, 10.09. - 10.09.

Elina Miettunen, SYKE, 10.09. - 10.09.

Tuomo Roine, FMI, 10.09. - 10.09.

Jani Sarkka, FMI, 10.09. - 10.09.

Altogether 7 scientists.

Departure: HELSINKI Monday 05.09.2022 at 10.00

Arrival: HELSINKI Saturday 10.09.2022 at 18.00

Cruising speed: 10.0 knots.

Duration of the cruise: 5 days 8 h 0 min

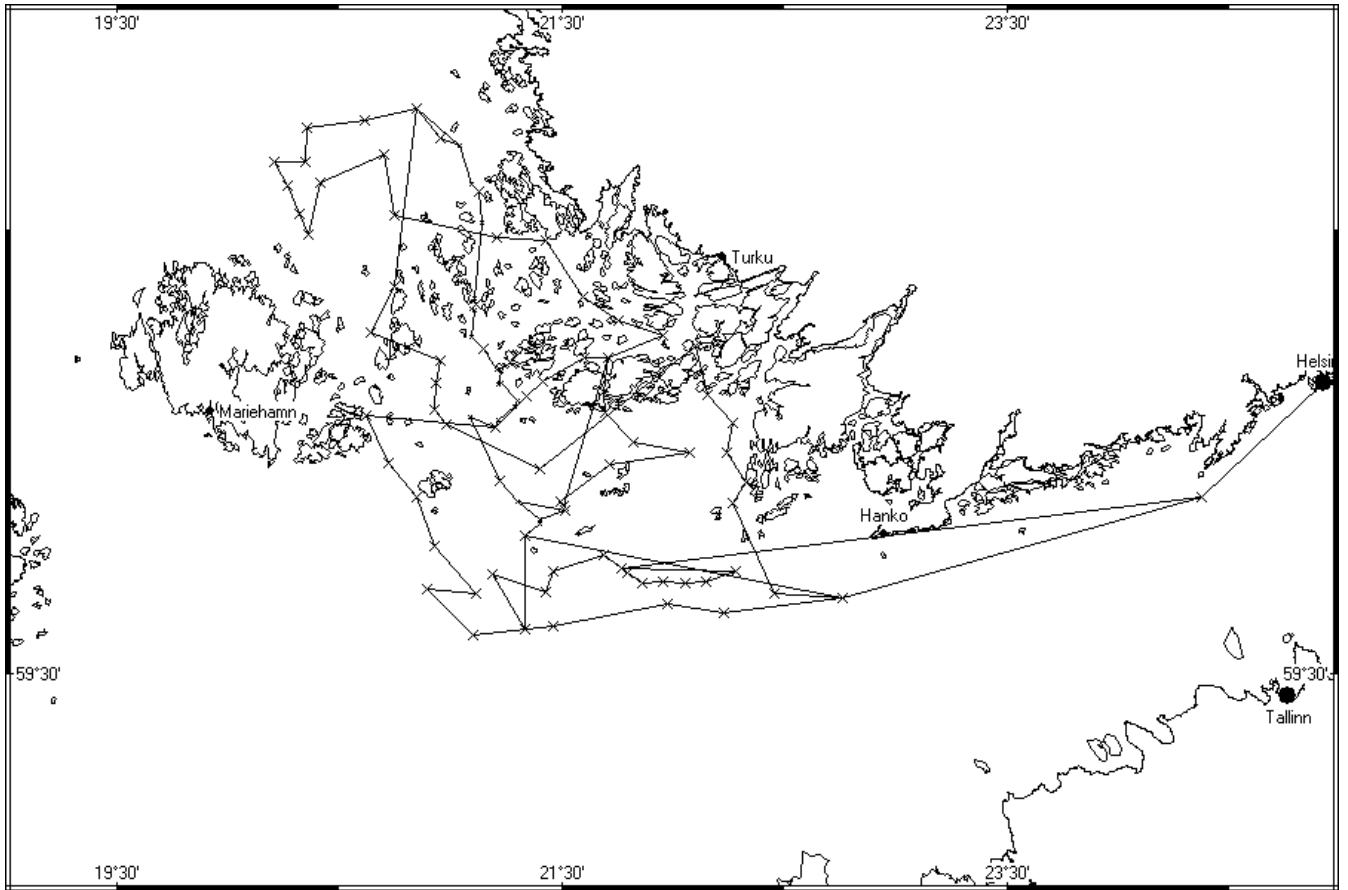
Length of the cruise: 887,58 nautical miles.

Number of observation stations 82 . Route points named as "P" are transit points only.

Route:

Nro	Name	Lat.	Long.	Depth	Arrival			Duration		Speed
		[WGS-84]		[m]	hh:mm	pv	pp.kk.vvvv	hh	mm	knots
1	HELSINKI	60°09.55'	24°55.37'	0	10.00	Mo	05.09.2022	0	0	S 10.00
2	JURMO_SE	59°44.40'	21°45.90'	-9	20.11	Mo	05.09.2022	1	0	S 10.00
3	DRH_13	59°44.00'	22°17.00'	-9	22.45	Mo	05.09.2022	0	30	S 10.00
4	MAME84	59°42.67'	22°08.98'	-9	23.40	Mo	05.09.2022	0	30	S 10.00
5	MAME85	59°42.46'	22°03.21'	-9	00.28	Tu	06.09.2022	0	30	S 10.00
6	MAME86	59°42.64'	21°57.34'	-9	01.16	Tu	06.09.2022	0	30	S 10.00
7	MAME87	59°42.40'	21°51.85'	-9	02.02	Tu	06.09.2022	0	30	S 10.00
8	MAME88	59°43.90'	21°47.80'	-9	02.47	Tu	06.09.2022	0	30	S 10.00
9	MAME89	59°46.27'	21°41.07'	-9	03.42	Tu	06.09.2022	0	30	S 10.00
10	MAME90	59°44.09'	21°27.52'	-9	04.55	Tu	06.09.2022	0	30	S 10.00
11	MAME91	59°41.23'	21°25.78'	-9	05.43	Tu	06.09.2022	0	30	S 10.00
12	MAME92	59°43.59'	21°11.11'	-9	07.00	Tu	06.09.2022	0	30	S 10.00
13	UTO_SSE	59°36.06'	21°19.92'	-9	08.22	Tu	06.09.2022	1	0	S 10.00
14	IU7	59°48.91'	21°20.20'	92	10.39	Tu	06.09.2022	0	30	S 10.00
15	JURMO_NW	59°52.20'	21°30.72'	-9	11.48	Tu	06.09.2022	1	0	S 10.00
16	IU6	59°56.21'	21°13.26'	120	13.49	Tu	06.09.2022	0	30	S 10.00
17	IU5	60°03.49'	21°11.90'	89	15.39	Tu	06.09.2022	0	30	S 10.00
18	IU4	60°14.00'	21°08.80'	51	17.36	Tu	06.09.2022	0	30	S 10.00
19	IU3	60°20.00'	21°06.80'	48	18.49	Tu	06.09.2022	0	30	S 10.00
20	IU2	60°35.01'	21°07.80'	54	20.50	Tu	06.09.2022	0	30	S 10.00
21	MAME93	60°42.16'	20°57.31'	-9	22.17	Tu	06.09.2022	0	30	S 10.00
22	IU1	60°46.01'	20°50.80'	33	23.17	Tu	06.09.2022	0	30	S 10.00
23	S1-16	60°44.36'	20°36.85'	-9	00.29	We	07.09.2022	0	15	S 10.00
24	SMVM2N	60°43.48'	20°21.07'	-9	01.30	We	07.09.2022	0	15	S 10.00
25	SMVM2Nb	60°39.01'	20°20.99'	-9	02.12	We	07.09.2022	0	15	S 10.00
26	SVM2N	60°39.00'	20°12.60'	-9	02.52	We	07.09.2022	0	15	S 10.00
27	MAME94	60°35.77'	20°15.84'	-9	03.28	We	07.09.2022	0	30	S 10.00
28	MAME95	60°32.12'	20°19.24'	-9	04.22	We	07.09.2022	0	30	S 10.00
29	MAME96	60°29.33'	20°21.70'	-9	05.11	We	07.09.2022	0	15	S 10.00
30	MAME97	60°36.09'	20°25.03'	-9	06.07	We	07.09.2022	0	30	S 10.00
31	MAME98	60°39.84'	20°41.99'	-9	07.32	We	07.09.2022	0	30	S 10.00
32	MAME99	60°31.80'	20°44.71'	-9	08.51	We	07.09.2022	0	15	S 10.00
33	BEX12_N	60°28.95'	21°12.32'	-9	10.29	We	07.09.2022	0	15	S 10.00
34	MAME100	60°28.43'	21°25.78'	-9	11.24	We	07.09.2022	0	15	S 10.00
35	X1	60°21.01'	21°35.80'	34	12.33	We	07.09.2022	0	15	S 10.00
36	MAME101	60°17.93'	21°45.30'	-9	13.22	We	07.09.2022	0	15	S 10.00
37	SEILI_N	60°15.82'	21°57.21'	-9	14.14	We	07.09.2022	0	15	S 10.00
38	LOVSKAR	60°12.87'	21°42.45'	-9	15.17	We	07.09.2022	0	15	S 10.00
39	ANGESNAS	60°08.38'	21°41.29'	-9	15.59	We	07.09.2022	0	15	S 10.00
40	HALLERS	60°05.55'	21°41.63'	-9	16.31	We	07.09.2022	0	15	S 10.00
41	MAME102	60°01.42'	21°49.38'	-9	17.20	We	07.09.2022	0	15	S 10.00

42	MAME103	60°00.03'	22°04.32'	-9	18.20	We	07.09.2022	0	15	S	10.00
43	GRANHOLM	59°58.55'	21°42.83'	-9	19.40	We	07.09.2022	0	15	S	10.00
44	VITHARU	59°53.44'	21°29.73'	-9	20.45	We	07.09.2022	1	0	S	10.00
45	MAME32	59°52.83'	21°30.27'	-9	21.49	We	07.09.2022	8	0	S	10.00
46	LOVSKAR	60°12.87'	21°42.45'	-9	07.55	Th	08.09.2022	0	15	S	10.00
47	BJORNHOLM	60°12.80'	21°36.22'	-9	08.28	Th	08.09.2022	0	15	S	10.00
48	STENGRUND	60°09.77'	21°25.01'	-9	09.22	Th	08.09.2022	0	15	S	10.00
49	CO2RODSKAR	60°07.73'	21°20.65'	-9	09.54	Th	08.09.2022	0	15	S	10.00
50	IU5	60°03.49'	21°11.90'	89	10.46	Th	08.09.2022	0	15	S	10.00
51	FOGLO3	60°05.19'	20°37.28'	-9	12.45	Th	08.09.2022	0	15	S	10.00
52	MAME104	59°58.71'	20°43.11'	-9	13.43	Th	08.09.2022	0	30	S	10.00
53	KOKAR	59°54.00'	20°50.80'	-9	14.49	Th	08.09.2022	0	15	S	10.00
54	SMVM2S	59°47.50'	20°55.56'	-9	15.46	Th	08.09.2022	0	15	S	10.00
55	TEILI2	59°41.00'	21°06.80'	122	16.52	Th	08.09.2022	0	15	S	10.00
56	MAME79	59°41.62'	20°53.54'	-9	17.48	Th	08.09.2022	0	15	S	10.00
57	MAME65	59°35.38'	21°05.85'	-9	18.56	Th	08.09.2022	0	15	S	10.00
58	MAME66	59°36.65'	21°27.83'	-9	20.18	Th	08.09.2022	0	15	S	10.00
59	MAME22	59°39.66'	21°58.44'	-9	22.07	Th	08.09.2022	0	15	S	10.00
60	MAME24	59°38.46'	22°13.52'	-9	23.09	Th	08.09.2022	0	15	S	10.00
61	MAME76	59°40.37'	22°45.83'	-9	01.02	Fr	09.09.2022	0	15	S	10.00
62	MAME78	59°40.91'	22°27.10'	-9	02.14	Fr	09.09.2022	0	15	S	10.00
63	LADERKLUBB	59°53.28'	22°16.26'	-9	03.50	Fr	09.09.2022	0	15	S	10.00
64	HOGSARA	59°56.20'	22°19.50'	-9	04.25	Fr	09.09.2022	0	15	S	10.00
65	ANGESKAR	60°00.18'	22°14.50'	-9	05.08	Fr	09.09.2022	0	15	S	10.00
66	GULLKRO35	60°04.17'	22°16.13'	-9	05.48	Fr	09.09.2022	0	15	S	10.00
67	MAME105	60°07.93'	22°09.30'	-9	06.33	Fr	09.09.2022	0	15	S	10.00
68	TORRGRUND	60°14.50'	22°06.25'	-9	07.29	Fr	09.09.2022	0	15	S	10.00
69	MAME106	59°57.88'	21°24.00'	-9	10.25	Fr	09.09.2022	0	15	S	10.00
70	MAME82	60°03.89'	20°59.04'	-9	12.03	Fr	09.09.2022	0	30	S	10.00
71	X2	60°06.00'	20°55.80'	81	12.49	Fr	09.09.2022	0	15	S	10.00
72	MAME83	60°09.42'	20°56.19'	-9	13.24	Fr	09.09.2022	0	30	S	10.00
73	MAME107	60°12.38'	20°57.19'	-9	14.12	Fr	09.09.2022	0	15	S	10.00
74	MAME63	60°16.26'	20°38.36'	-9	15.28	Fr	09.09.2022	0	15	S	10.00
75	MAME108	60°22.46'	20°44.92'	-9	16.25	Fr	09.09.2022	0	15	S	10.00
76	IU1	60°46.01'	20°50.80'	33	19.02	Fr	09.09.2022	0	30	S	10.00
77	IU2	60°35.01'	21°07.80'	54	20.58	Fr	09.09.2022	0	30	S	10.00
78	IU3	60°20.00'	21°06.80'	48	22.59	Fr	09.09.2022	0	30	S	10.00
79	IU4	60°14.00'	21°08.80'	51	00.12	Sa	10.09.2022	0	30	S	10.00
80	IU5	60°03.49'	21°11.90'	89	02.09	Sa	10.09.2022	0	30	S	10.00
81	IU6	59°56.21'	21°13.26'	120	03.59	Sa	10.09.2022	0	30	S	10.00
82	IU7	59°48.91'	21°20.20'	92	05.33	Sa	10.09.2022	0	30	S	10.00
83	MAME76	59°40.37'	22°45.83'	-9	10.26	Sa	10.09.2022	0	15	S	10.00
84	HELSINKI	60°09.55'	24°55.37'	0	18.00	Sa	10.09.2022	0	0	S	10.00



Route of the cruise MAAMERI5.