



RV Aranda

# **Cruise plan**

## **CFLUX15**

**4. - 15.5.2015**

### **Description of the cruise:**

The plan is to study the spring bloom focusing on the biology and carbon chemistry. In addition there will also be deployment of bouys and calibration of CTDs

**Chief scientist:** Spilling Kristian, -

**Staff:** Jan-Erik Bruun, SYKE  
 Kirsi Hyvärinen, SYKE  
 Markku Jansson, FMI  
 Kimmo Kahma, FMI  
 Pekka Kosloff, FMI  
 Ilkka Lastumäki, SYKE  
 Heidi Pettersson, FMI  
 Jonna Piiparinen, SYKE  
 Jan Björkvist, VIKTOR  
 Riikka Hietala, -  
 Tero Purokoski, -  
 Heini Jalli, -  
 Pertti Jamsén, -  
 Eetu Savilahti, -  
 Tobias Lipsewers, -  
 Riina Klais, -  
 Cristina Sobrino, -  
 Tobias Tammelander, -

Jouni Heiskanen, -

Altogether 20 scientists.

**Departure: HELSINKI Monday 04.05.2015 at 10:00**

**Arrival: HELSINKI Friday 15.05.2015 at 20:01**

Cruising speed: 10.0 knots.

Duration of the cruise: 11 days 10 h 1 min

Length of the cruise: 1400.25 nautical miles.

Number of observation stations 39 . 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
0	HELSINKI	60°09.55'	24°55.37'	0	10:00	ma	04.05.2015	0	0	S 10.00
1	BERGGRUND	59°59.01'	24°45.81'	64	11:09	ma	04.05.2015	1	0	S 10.00
2	LL7	59°50.79'	24°50.27'	100	13:00	ma	04.05.2015	5	0	S 10.00
3	P	59°41.75'	23°06.40'	-9	23:18	ma	04.05.2015	0	0	S 10.00
4	AALTO_PI	59°15.00'	20°59.81'	98	06:16	ti	05.05.2015	1	0	S 10.00
5	UTÖ	59°51.00'	21°25.80'	30	11:06	ti	05.05.2015	21	0	S 10.00
6	TPDEEP	59°21.81'	21°26.79'	200	11:01	ke	06.05.2015	12	0	S 10.00
7	AALTO_PI	59°15.00'	20°59.81'	98	00:34	to	07.05.2015	7	0	S 10.00
8	LL14	59°17.00'	22°06.81'	109	10:59	to	07.05.2015	1	0	S 10.00
9	LL13	59°22.00'	22°27.81'	100	13:10	to	07.05.2015	1	0	S 10.00
10	LL12	59°29.01'	22°53.81'	82	15:40	to	07.05.2015	1	0	S 10.00
11	ALGA1	59°45.01'	22°53.81'	-9	18:16	to	07.05.2015	1	0	S 10.00
12	HANKO	59°49.01'	22°56.81'	0	19:42	to	07.05.2015	7	0	S 10.00
13	HANKO	59°49.01'	22°56.81'	0	02:42	pe	08.05.2015	1	0	S 10.00
14	NOL27	59°47.50'	20°12.30'	180	11:58	pe	08.05.2015	1	0	S 10.00
15	FÅ7	59°58.00'	19°40.80'	214	14:52	pe	08.05.2015	1	0	S 10.00
16	S4B	60°03.80'	19°22.50'	218	16:57	pe	08.05.2015	1	0	S 10.00
17	AA9	60°15.50'	19°08.19'	148	19:19	pe	08.05.2015	14	30	S 10.00
18	F33B	60°32.50'	19°12.39'	76	11:32	la	09.05.2015	1	0	S 10.00
19	NOL48	60°55.00'	19°29.00'	82	14:55	la	09.05.2015	1	0	S 10.00
20	NOL58	61°14.00'	19°55.00'	107	18:12	la	09.05.2015	1	0	S 10.00
21	JR55	61°23.21'	20°33.59'	104	21:16	la	09.05.2015	7	0	S 10.00
22	BMP_C2	62°35.90'	20°15.50'	80	11:35	su	10.05.2015	1	0	S 10.00
23	SSN4	63°00.01'	20°21.48'	55	15:01	su	10.05.2015	1	0	S 10.00
24	MEK-1	63°18.51'	20°29.97'	71	17:54	su	10.05.2015	1	0	S 10.00
25	SPC1	63°26.01'	20°39.77'	30	19:46	su	10.05.2015	8	30	S 10.00
26	B6	64°13.02'	22°54.77'	49	11:52	ma	11.05.2015	1	0	S 10.00
27	JÄÄ7906	64°29.00'	23°12.00'	62	14:37	ma	11.05.2015	1	0	S 10.00
28	RR7A	64°43.52'	23°31.77'	80	17:18	ma	11.05.2015	1	0	S 10.00

29	EP2	65°03.02'	23°54.77'	48	20:29	ma	11.05.2015	1	0	S	10.00
30	P	63°36.69'	21°08.43'	-9	08:44	ti	12.05.2015	0	0	S	10.00
31	P	63°11.67'	20°12.53'	-9	12:16	ti	12.05.2015	0	0	S	10.00
32	F18B	63°07.01'	20°05.77'	94	12:49	ti	12.05.2015	1	0	S	10.00
33	US5C	62°38.01'	19°45.78'	123	16:52	ti	12.05.2015	1	0	S	10.00
34	MS7	61°55.01'	19°37.81'	74	22:11	ti	12.05.2015	1	0	S	10.00
35	P	60°33.71'	20°27.44'	-9	07:39	ke	13.05.2015	0	0	S	10.00
36	P	60°05.11'	20°47.93'	-9	10:41	ke	13.05.2015	0	0	S	10.00
37	P	60°15.31'	20°34.89'	-9	11:54	ke	13.05.2015	0	0	S	10.00
38	X2	60°06.00'	20°55.80'	81	13:17	ke	13.05.2015	1	0	S	10.00
39	IU6	59°56.21'	21°13.26'	120	15:36	ke	13.05.2015	1	0	S	10.00
40	IU7	59°48.91'	21°20.20'	92	17:25	ke	13.05.2015	13	0	S	10.00
41	LÄNGDEN	59°45.41'	23°13.91'	57	12:09	to	14.05.2015	1	0	S	10.00
42	LL12	59°29.01'	22°53.81'	82	15:04	to	14.05.2015	1	0	S	10.00
43	LL11	59°35.01'	23°17.81'	68	17:26	to	14.05.2015	1	0	S	10.00
44	LL10	59°38.01'	23°38.81'	73	19:32	to	14.05.2015	8	0	S	10.00
45	LL4A	60°01.01'	26°04.81'	60	11:13	pe	15.05.2015	1	0	S	10.00
46	LL5	59°55.01'	25°35.82'	70	13:48	pe	15.05.2015	1	0	S	10.00
47	LL7	59°50.79'	24°50.27'	100	17:07	pe	15.05.2015	1	0	S	10.00
48	HELSINKI	60°09.55'	24°55.37'	0	20:01	pe	15.05.2015	1	0	S	10.00

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Route of the cruise CFLUX15.