

## Page

1

S2A  
S3A

[illegible]

## Turbidity log sheet

Campaign: RDP-2019/2/10 Page: 1 /

log person: JG  
Instrument: +/ACH

[illegible]

Filter Id

430

Use filter #

Ship: _____ Use filter # _____							
No Station	Date Time (UTC)	Replicate	SPM N° filter: Volume (ml)	Chl-a Volume (ml)	ABS Volume (ml)	CDOM sample #	Comments
ST01	13:57		282 : 150				
			283 : 150				
			284 : 150				
ST06	17:55		285 : 150	200	288		
			286 : 150	200	289		
			287 : 150	200	290		
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S2A

## MUMM optics log for Pontoon:

RDR 20191210

Page

117

## STATION measurement

Station

S101

Station visit

e.g. "A", "B"

Date (dd/mm/yyyy)

10-12-2019

Time (UTC) Start:

13:44

End:

14:00

Time (Local) Start:

10:44

End:

11:00

## Subjective Sea/Sky State, observed by:

Wave height

4 m

Sea State (other)

faint &amp; flowers

e.g. wcaps, foam, bubbles, floating, swell, Lang.

Cloud cover

0/8

Cloud type

high (cirrus), low (cumulus)

Cloud colour

white/grey/black

Contrails

number

Weather (other)

e.g. fog, rain

Sun state

clear/variable/hazy/clouded

## Measurements check list

Time (UTC)

Type

Rel Azi, e.g. 90L, 135R, tc.

135L

<input checked="" type="checkbox"/>	Trios Azimuth
<input checked="" type="checkbox"/>	ASD
<input checked="" type="checkbox"/>	Trios
<input checked="" type="checkbox"/>	SeaPRISM
<input checked="" type="checkbox"/>	Water sample
<input type="checkbox"/>	Turbidity
<input type="checkbox"/>	Photos
<input type="checkbox"/>	Sea Photo
<input type="checkbox"/>	Sky Photo

Data Received?/GPSfix?/Incl OK?

Trios fluorescene=

depth (m)

X=clear sun

N=Niskin

S=Secchi

O=obs sun

B=Bucket sam C=CTD



Mark locations of samples wrt pontoon

## Laboratory data

Person filtering

Filter vol. (ml)

Person

SPM: X3 (56)	CHL: —
Fluor: —	Turb: Y

## Notes

Simultaneous (water)sampling with teams:

0955 + 1400 — in water - not connected (problem with PC)

13:53 → Error 8467 sensor

13:54 — " 8467

TS

13:56 — STOPPED

13:59

STARTED AGAIN

14:07

Error 8467

02

# MUMM optics log for Pontoon:

RDP-2019.12.10

Page

217

## STATION measurement

Station

ST02

Station visit

e.g. "A", "B"

Date (dd/mm/yyyy)

10/12/19

Time (UTC) Start:

14:17

End:

14:27

Time (Local) Start:

17:17

End:

11:27

## Subjective Sea/Sky State, observed by:

Wave height

5

Sea State (other)

small glut

e.g. wcaps, foam, bubbles, floating, swell, Lang.

Cloud cover

0/8

Cloud type

high (cirrus), low (cumulus)

Cloud colour

white/grey/black

Contrails

number

Weather (other)

e.g. fog, rain

Sun state

clear/variable/hazy/clouded

## Measurements check list

Time (UTC)

Type

Rel Azi, e.g. 90L, 135R, tc.

<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	

Trios Azimuth

ASD

Trios

SeaPRISM

Water sample

Turbidity

Photos

Sea Photo

Sky Photo

135L

Data Received?/GPSfix?/Incl OK?

Trios fluorescence=

depth (m)

X=clear sun N=Niskin S=Secchi

O=obs sun B=Bucket sam C=CTD




Mark locations of samples wrt pontoon

## Laboratory data

Person filtering

SPM:

✓

CHL:

✓

Filter vol. (ml)

Person

Fluor:

✓

Turb:

✓

## Notes

Simultaneous (water)sampling with teams:

OBS → in water not connected.

FLWTV — in water — connected.

# MUMM optics log for Pontoon:

R&P-20191210

Page

34

## STATION measurement

Station

ST03

Station visit

e.g. "A", "B"

Date (dd/mm/yyyy)

10/12/19

Time(UTC) Start:

15:01

End:

15:11

Time(Local) Start:

12:01

End:

12:11

## Subjective Sea/Sky State, observed by:

Wave height

5 cm

Sea State (other)

small bubbles

e.g. wcaps, foam, bubbles, floating, swell, Lang.

Cloud cover

0/8

Cloud type

high (cirrus), low (cumulus)

Cloud colour

white/grey/black

Contrails

number

Weather (other)

e.g. fog, rain

Sun state

clear/variable/hazy/clouded

very windy!

## Measurements check list

Time (UTC)

Type

Rel Azi, e.g. 90L, 135R, tc.

2735

<input checked="" type="checkbox"/>	Trios Azimuth
<input checked="" type="checkbox"/>	ASD
<input type="checkbox"/>	Trios
<input type="checkbox"/>	SeaPRISM
<input checked="" type="checkbox"/>	Water sample
<input type="checkbox"/>	Turbidity
<input type="checkbox"/>	Photos
<input checked="" type="checkbox"/>	Sea Photo
<input checked="" type="checkbox"/>	Sky Photo

Trios Azimuth

ASD

Trios

SeaPRISM

Water sample

Turbidity

Photos

Sea Photo

Sky Photo

Data Received?/GPSfix?/Incl OK?

depth (m)

Trios fluorescence=

X=clear sun N=Niskin S=Secchi

O=obs sun B=Bucket sam C=CTD

B  
OBS + FLMTU

☐

Mark locations of samples wrt pontoon

Wind - 8-9 m/s

34.2 °C

## Laboratory data

Person filtering

SPM: -

CHL: -

Filter vol. (ml)

Person

Fluor: -

Turb: y

## Notes

Simultaneous (water)sampling with teams:

OBS + FLMTU working

# MUMM optics log for Pontoon:

RDP-20191210

Page

4/7

## STATION measurement

Station	5104	Station visit		e.g. "A", "B"
Date (dd/mm/yyyy)	10-12-2019	End:	17:12	
Time(UTC) Start:	17:02	End:	14:12	
Time(Local) Start:	14:02			

## Subjective Sea/Sky State, observed by:

Wave height	2m	e.g. wcaps, foam, bubbles, floating, swell, Lang.
Sea State (other)	small plmt	
Cloud cover	1/8	
Cloud type	high (cirrus), low (cumulus)	
Cloud colour	white/grey/black	
Contrails		number
Weather (other)		e.g. fog, rain
Sun state	clear/variable/hazy/clouded	

## Measurements check list

Time (UTC)	Type	Rel Azi, e.g. 90L, 135R, tc.
<input checked="" type="checkbox"/>	Trios Azimuth	R135
<input checked="" type="checkbox"/>	ASD	
<input checked="" type="checkbox"/>	Trios	
<input checked="" type="checkbox"/>	SeaPRISM	
<input checked="" type="checkbox"/>	Water sample	depth (m)
<input checked="" type="checkbox"/>	Turbidity	
<input checked="" type="checkbox"/>	Photos	
<input checked="" type="checkbox"/>	Sea Photo	
<input checked="" type="checkbox"/>	Sky Photo	

☐ Mark locations of samples wrt pontoon

Data Received?/GPSfix?/Incl OK?		
Trios fluorescence=		
X=clear sun	N=Niskin	S=Secchi
O=obs sun	B=Bucket sam	C=CTD
<div style="border: 1px solid black; padding: 5px; display: inline-block;">             6              OBS + FLMTU           </div>		

## Laboratory data

Person filtering	SPM: —	CHL: —
Filter vol. (ml)		
Person	Fluor: —	Turb: J6

## Notes

Simultaneous (water)sampling with teams:

OBS ON } working in water  
 FLMTU }



# MUMM optics log for Pontoon:

Rdp-20191210

Page

517

## STATION measurement

Station

ST05

Station visit

e.g. "A", "B"

Date (dd/mm/yyyy)

10-12-2019

Time(UTC) Start:

17:32

End:

17:42

Time(Local) Start:

14:32

End:

14:42

## Subjective Sea/Sky State, observed by:

Wave height

1 cm

Sea State (other)

yellow lenses

e.g. wcaps, foam, bubbles, floating, swell, Lang.

Cloud cover

- /8

Cloud type

high (cirrus), low (cumulus)

Cloud colour

white/grey/black

Contrails

number

Weather (other)

e.g. fog, rain

Sun state

clear/variable/hazy/clouded

## Measurements check list

Time (UTC)

Type

Rel Azi, e.g. 90L, 135R, tc.

R135

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Trios Azimuth

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ASD

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Trios

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SeaPRISM

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Water sample

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Turbidity

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Photos

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Sea Photo

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Sky Photo

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T=52

Mark locations of samples wrt pontoon

Data Received?/GPSfix?/Incl OK?

depth (m)

Trios fluorescence=

X=clear sun N=Niskin S=Secchi

O=obs sun B=Bucket sam C=CTD

B  
obs

## Laboratory data

Person filtering

Filter vol. (ml)

Person

SPM:

CHL:

Fluor:

Turb:

## Notes

Simultaneous (water)sampling with teams:

005801 + FLINTU making in-water



# MUMM optics log for Pontoon:

R2P-20191210

Page

617

## STATION measurement

Station

STOG

Station visit

e.g. "A", "B"

Date (dd/mm/yyyy)

10.12.2019

Time (UTC) Start:

17:53

End:

18:11

Time (Local) Start:

14:53

End:

15:11

## Subjective Sea/Sky State, observed by:

Wave height

2m

Sea State (other)

3 few

Cloud cover

1/8

Cloud type

high (cirrus), low (cumulus)

Cloud colour

white/grey/black

Contrails

number

Weather (other)

e.g. fog, rain

Sun state

clear/variable/hazy/clouded

Rel Azi, e.g. 90L, 135R, tc.

R 135

Time (UTC)

Type

☒

Trios Azimuth

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ASD

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Trios

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SeaPRISM

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Water sample

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Turbidity

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Photos

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Sea Photo

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Sky Photo

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## Laboratory data

Person filtering

Filter vol. (ml)

Person

SPM:

Y

CHL:

Y (x3) freezer JAFE

Fluor:

—

Turb:

Y

## Notes

Simultaneous (water)sampling with teams:

0055 501 + FLATU in water unhooked

# MUMM optics log for Pontoon:

R2P-2019210

Page

77

## STATION measurement

Station

ST07

Station visit

e.g. "A", "B"

Date (dd/mm/yyyy)

10.12.2019

Time(UTC) Start:

18:34

End:

18:50

Time(Local) Start:

15:34

End:

15:50

## Subjective Sea/Sky State, observed by:

Wave height

1 cm

Sea State (other)

small

Cloud cover

1/8

Cloud type

high (cirrus), low (cumulus)

Cloud colour

white/grey/black

Contrails

number

Weather (other)

e.g. fog, rain

Sun state

clear/variable/hazy/clouded

e.g. weaps, foam, bubbles, floating, swell, Lang.

much less wind

N 4 m/s

35.1°C

TA 50 PNU

## Measurements check list

Time (UTC)

Type

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Trios Azimuth

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ASD

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Trios

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SeaPRISM

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Water sample

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Turbidity

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Photos

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Sea Photo

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Sky Photo

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Rel Azi, e.g. 90L, 135R, tc.

R135

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X=clear sun

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B obs + FL

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Mark locations of samples wrt pontoon

## Laboratory data

Person filtering

Filter vol. (ml)

Person

SPM:

N

CHL:

N

Fluor:

N

Turb:

y

## Notes

Simultaneous (water)sampling with teams:

Obs 501 + FLNTU in water wharf