

DAILY LOG BOOK

MISSION
NUMBER

2007-20

Book 2

DATE:

From: 26 July 2007 to: 30 August 2007

VESSEL:

CCGS Louis S St-Laurent

PROJECT:

JOIS / JWAES / BGOS

Canada Basin

INSTITUTE OF OCEAN SCIENCES
OCEAN SCIENCES AND PRODUCTIVITY DIVISION
SIDNEY, BC, CANADA

The format for labels is:

Sample number	001
Sample type	ALK
Station name	LG01
Cruise ID	2002-12
Bottle number	BOT 1

Rosette Setup:

Number of bottles: _____
Manufacturer: _____
Volume of Bottles (litres): _____

Winches:

1. Make:	Model:	Serial #:	used for:
2. Make:	Model:	Serial #:	used for:
3. Make:	Model:	Serial #:	used for:

Comments on performance during cruise:

Salinometer:

Make: _____ Model: _____ Serial #: _____

Comments on performance during cruise:

Oxygen Kit #

Comments on performance of kit and chemicals:

Thermosalinograph System:

Program: _____ Version: _____

Sampling interval (seconds): _____

Fluorometer sensor serial number: _____

Comments on performance during cruise:

ADCP Setup:

Computer time zone: _____

Sampling interval (seconds): _____

Bin Length (2^x): _____

Pulse Length: _____

Buffer (bytes): _____

Gyro Offset: _____

Comments:

CID Test Cast Information

Test Cast at IOS Jetty? (optional) yes ☐ no ☐

Comments: (i.e. how did everything work??)

Test cast in Saanich Inlet? (recommended) yes ☐ no ☐
If no, give reason: _____

Comments: (i.e. how did everything work??)

CTD pressure reading on deck (db): _____
(Should be 0.0 db ± 0.5)

Pumps working? yes ☐ no ☐
(i.e.. Was the red LED display on the deck unit 0011 and not still 0010?)

Secondary Temp- Primary Temp: _____
(Average from the Mixed Region)

Secondary Salinity- Primary Salinity: _____
(Average from the Mixed Region)

Additional Comments:

Guide to cable terminations:

Date of cable termination: _____

Please read and complete this form before reterminating cable. We have two standard CTD cables in use, nominal .316" and .322". This form specifically addresses these two cables, however the same considerations apply to using other cables. The specifications for non-standard cables and associated terminations are available at Tom Juhasz's office (room 1221).

Please identify nominal cable diameter:

Actual diameter measurements, two locations in triplicate at termination and approximately 5 metres back from termination. Winch: _____

At cable end: at 5 metres:

1. _____
2. _____
3. _____

For comparison, the outer armour measurements of new cable:

Nominal .316" should be .3155 to .3165"

Nominal .322" should be .318 to .326"

Record specifications for other cables: _____ within: _____

The tolerance of the PMI Evergrip termination is tighter and only cables within these limits should be used.

For nominal .316" cable the lowest possible diameter is .309"

For nominal .322" cable the lowest possible diameter is .321"

Describe cable:

Kinks: _____

Birdcage _____

Rust flaking off cable _____

Cable round or oval _____

Does cable have loose outer armour? _____

(Raised wires or space between wires.)

Are outer armour wires flattened? _____

(flaking, not just looks rusty)

Remove cable that exhibits these signs of deterioration. To be authorised by Chief Scientist of the cruise, or the winch shop (Tom Juhasz at 250-363-6598).

Megger results by conductor (should be greater than 10,000. meg ohms)

Inner armour to conductor 1 _____

Inner armour to conductor 2 _____

Inner armour to conductor 3 _____

Please identify PMI sleeve used by checking the appropriate blank:

For .316" cable, diameter of inner dimension of sleeve should be .3265" _____

part number 9004897-13, cable diameter range .309" to .320".

For .322" cable, diameter of inner dimension of sleeve should be .3400" _____

part number 9004897-14, cable range .321" to .333".

Sliding the sleeve onto the cable should be difficult.

Evergrip helical Rods:

The part number is 9005-9002 and covers left hand lay cables of diameter range .309" to .333".

Presence of grit on inner surface (yes / no) _____

Condition of wires (damaged ends?) _____

Are the wires rusted? _____

Comments:

Guide to cable terminations:

Date of cable termination: _____

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Please identify nominal cable diameter: _____ Winch: _____

Actual diameter measurements, two locations in triplicate at termination and approximately 5 metres back from termination.

At cable end: _____ at 5 metres: _____

1. _____
2. _____
3. _____

For comparison, the outer armour measurements of new cable:

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Sliding the sleeve onto the cable should be difficult.

Evergrip helical Rods:

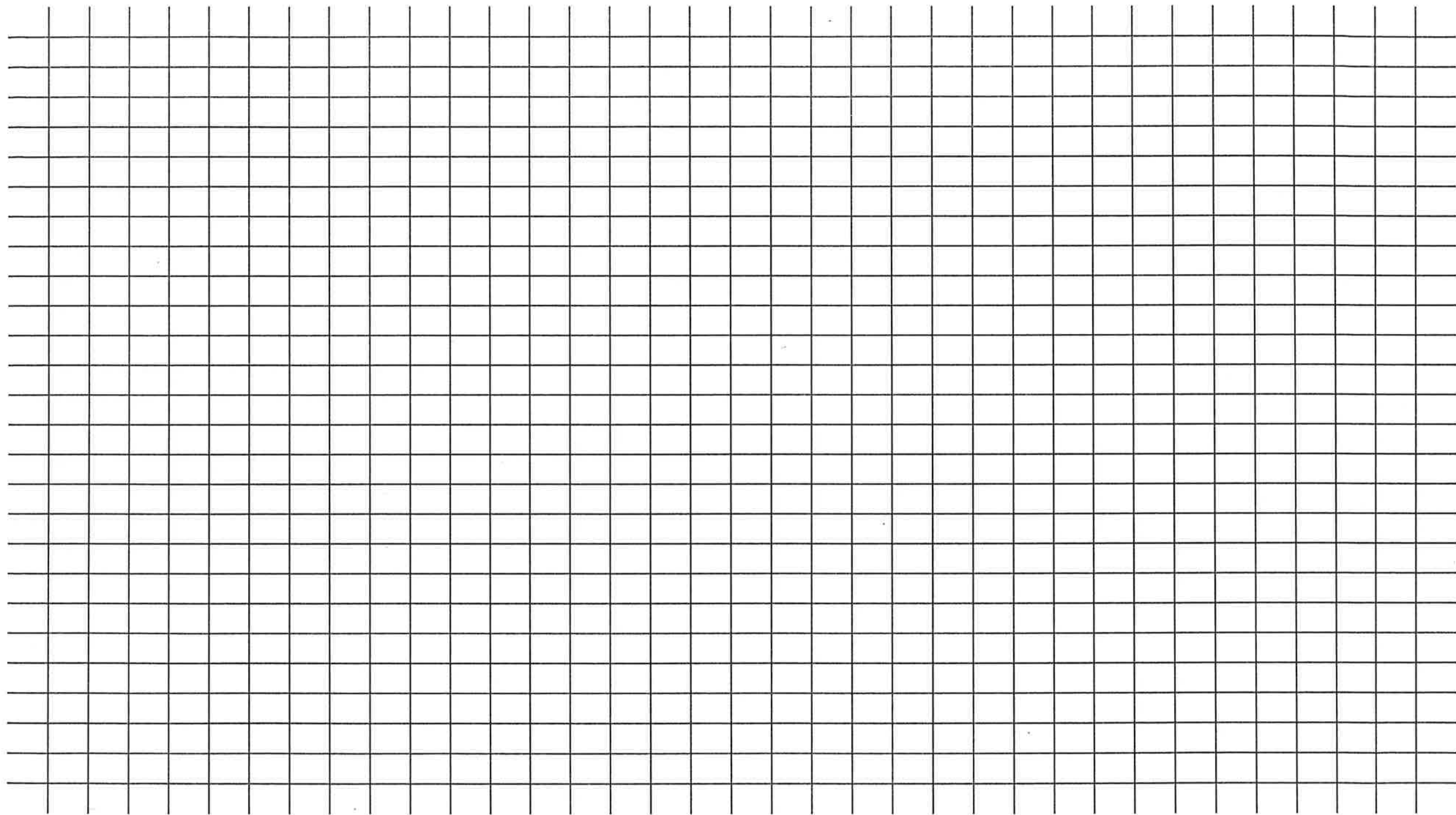
The part number is 9005-9002 and covers left hand lay cables of diameter range .309" to .333".

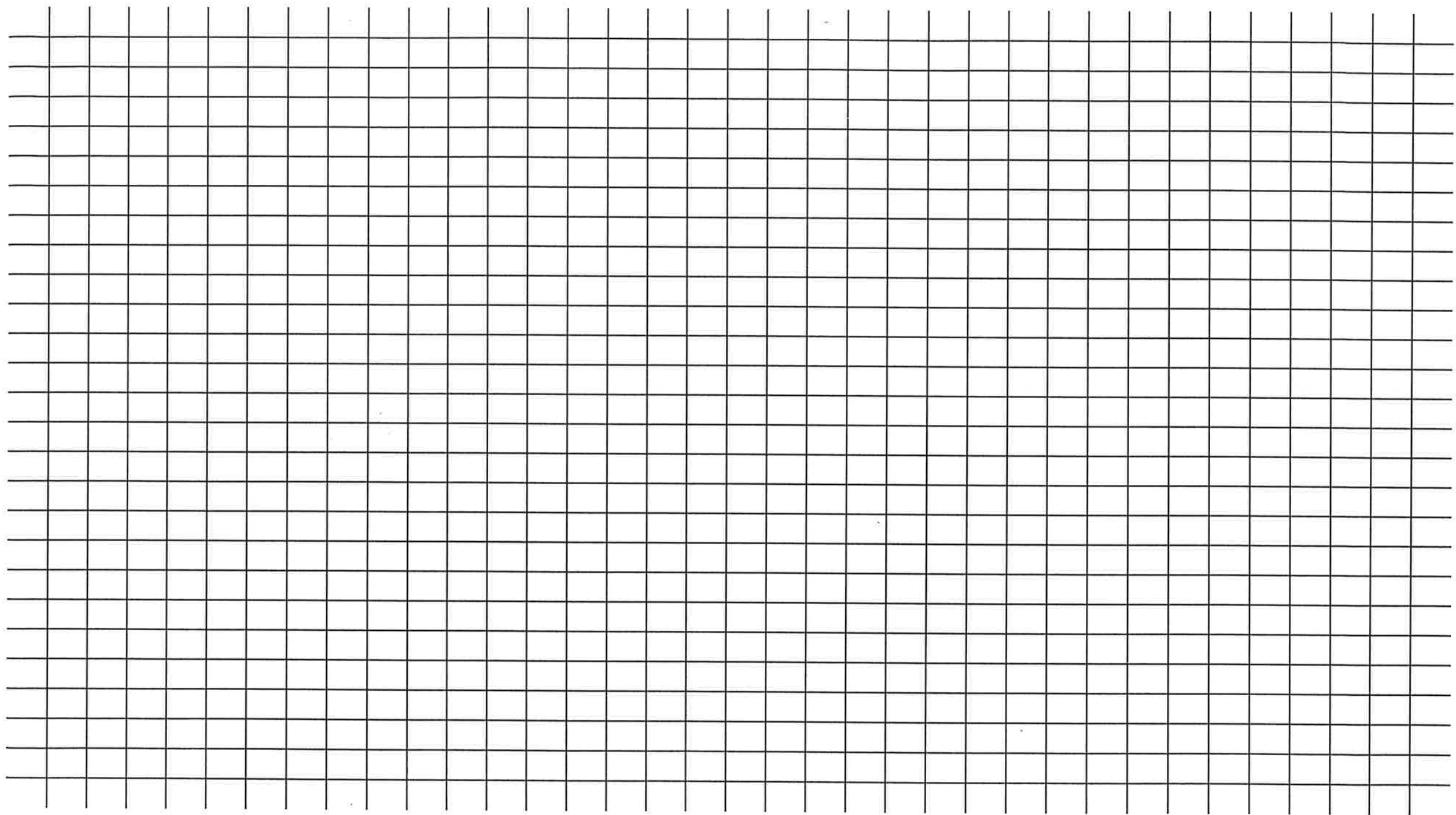
Presence of grit on inner surface (yes / no) _____

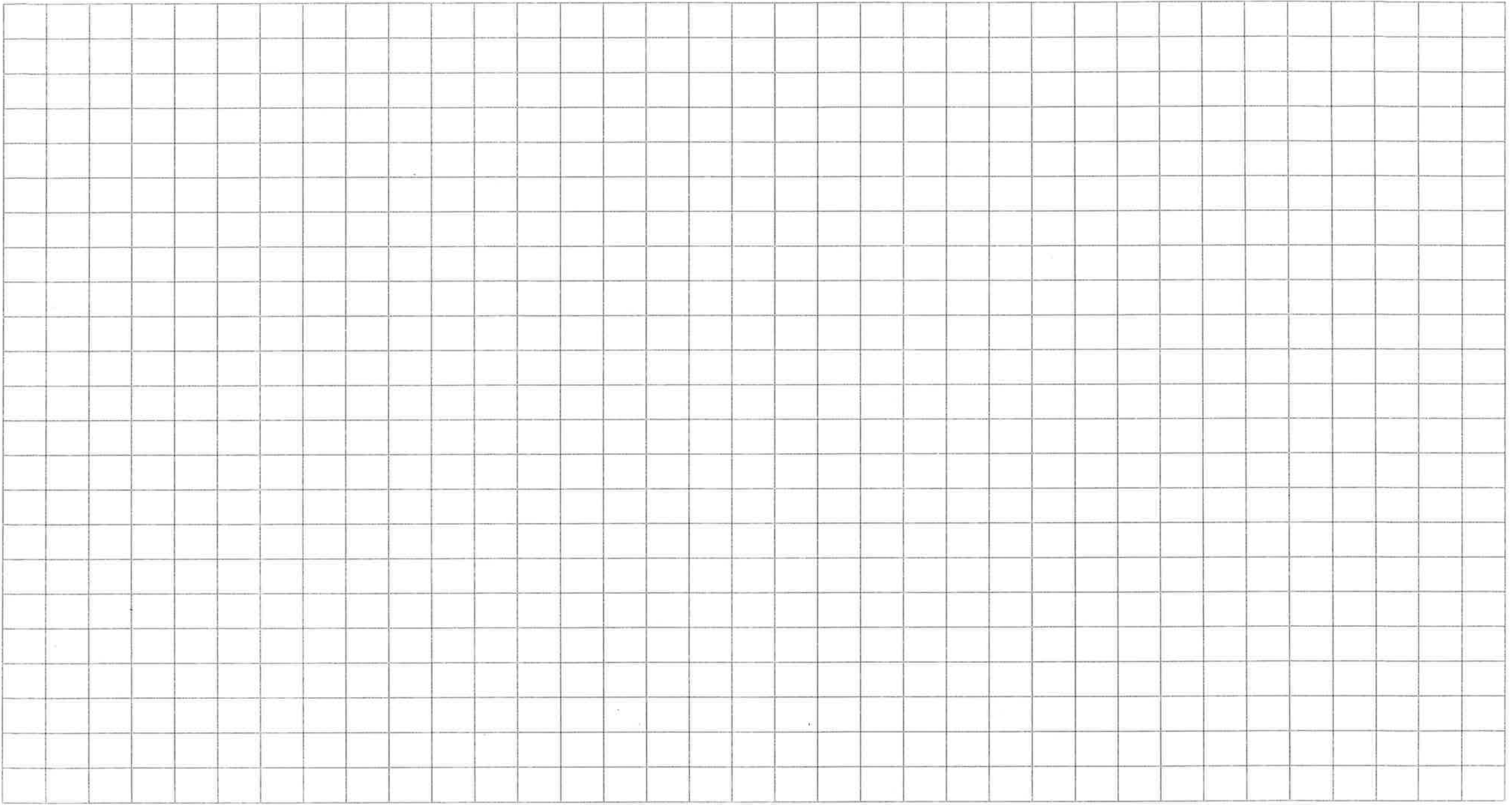
Condition of wires (damaged ends?) _____

Are the wires rusted? _____

Comments:

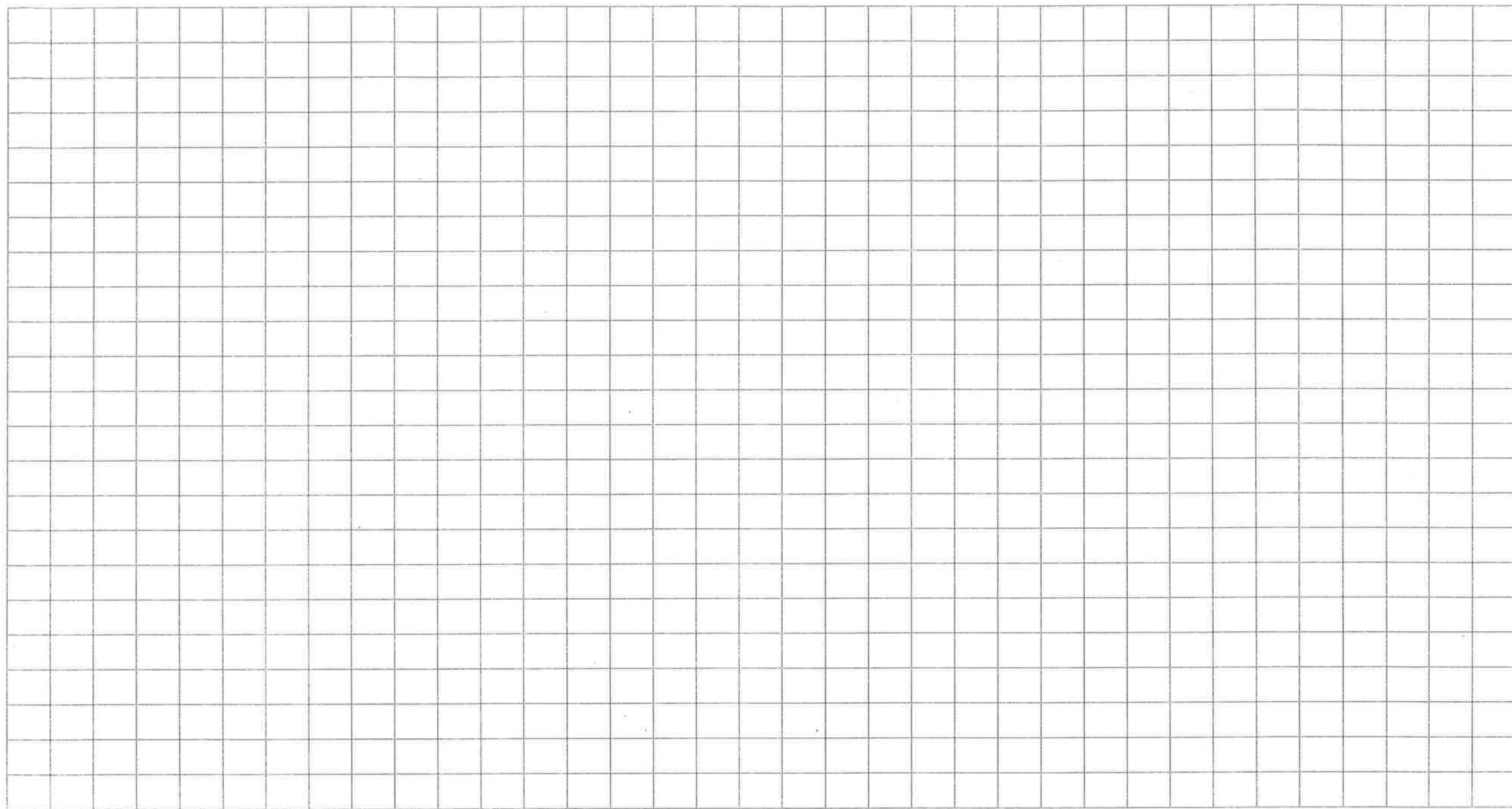






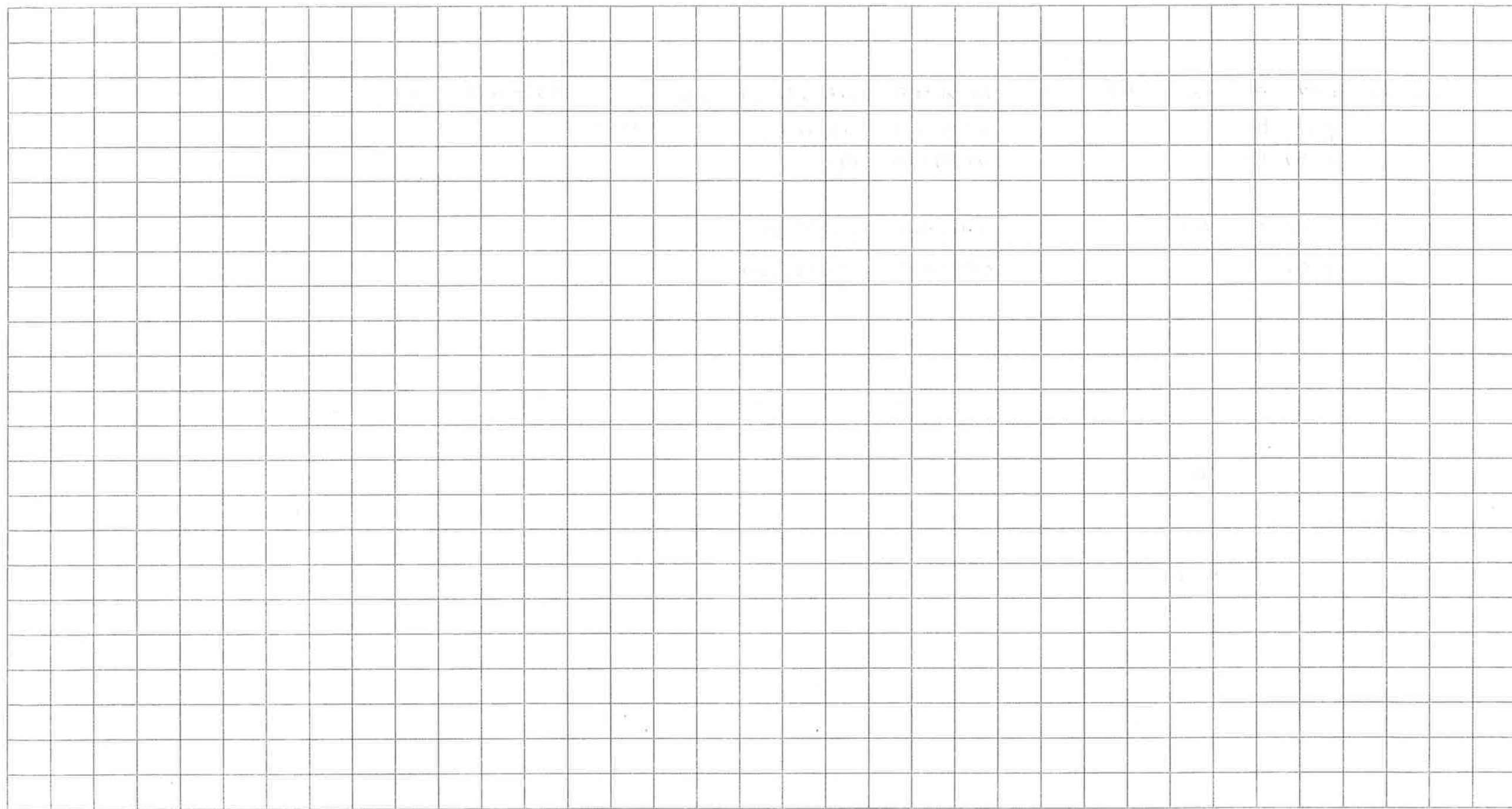
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DAILY LOG

Ocean Sciences and Productivity Division

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Month				Year			Ship				Cruise ID				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
27	CB-27	3=45	BE	ROS	UN	103	72°59.989'N	139°59.615'W	3211+9m		2105-2128	24			
		4=49	BO				72°59.969'N	140° 0.322'W		3203m					
		5=51	EN				72°59.874	140° 1.369							
27	CB-27	3=45	BE	ADCP			72°59.989'N	139°59.615'W							
		5=51					72°59.874	140° 1.369							
27	CB23a	11:42	BE	ROS	UN	104	72°54.313	136° 0.086	2757 ⁺⁹		2129-2150	22			
		1212	BO				72°54.39	136° 0.21		1200					
		1243	EN				72°54.47	136° 0.26	2767 ⁺⁹						
27	CB23a	1150	BE	ADCP			72°54.3	136° 0.1	2757 ⁺⁹						
		12:23	EN				72° 54.39	136° 0 29	2767 ⁺⁹						
				XCTD											
27	CB31b	1811	BE	ROS	UN	105	72 16.28	134 17.91	2073 ⁺⁹		2151-2171	21	mixed	vv	sounder not
		1840	BO				72 16.27	134 18.64		1201					working, stopped at
		19:04	EN				72° 16.339	134° 19.174							~ 0830 local.

Cast type:
BOT = bottle cast, no CTD
CTD = CTD without Rosette
ROS = Rosette plus CTD

USW = sea water loop
MOR = mooring
NET = net haul
DRF = drifter

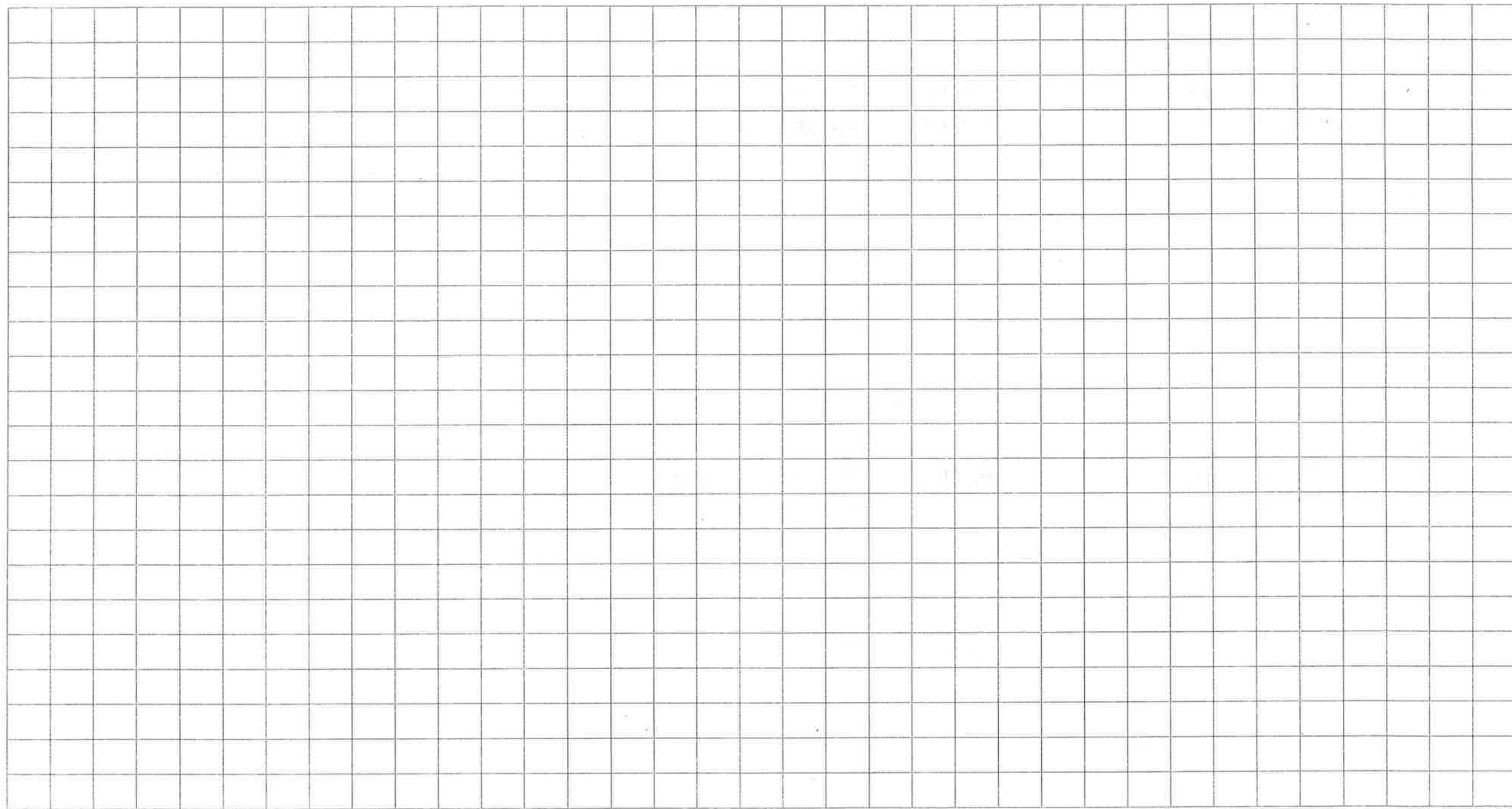
bottle firing method:
US = up/stop
UN = up/no stop
DN = down/no stop

Time Code
BE = beginning time of cast
BO = bottom time of cast
EN = end time of cast

DE = deployment time
MR = messenger release time
RE = recover mooring time

Transmissometer to be cleaned for each cast, do not use Ammonia products

- turn off AGC, come back.
Daily_log_book.doc



DAILY LOG

Ocean Sciences and Productivity Division

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Month <u>AUGUST</u>				Year <u>2007</u>			Ship <u>LOUIS ST LAURENT</u>				Cruise ID <u>2007-20</u>				
Day	Station Name	Time (UTC)	Time Code	Cast Type	Firing Method	Event Number	Position		Bottom Depth	Max Depth	Sample Numbers	#of Bottles	Watch Keepers	Trans. Cleaned	Comments
							Latitude	Longitude							
27	CB31b	1820	BE	ADCP			72°16.27	134°18.36							
		19=5	EN				72°16.343	134°19.190							
27	CB31b	1835		DRIF	beer + cannon	py hand	72°16.34	134°19.19			see log book				ABC film bottle drop w large group
28	CABOS	1820	RE	MOR	-		71°49.688	131°45.6439	1111	###	-	-	MDewHOT		Mooring initially caught under ice but came aboard ok
							Zodiac put in water after mooring for ABC Film crew								← w/ SUS, no bottles scan start = 9000
28	CABOS	2=45	BE	CTD		106	71°49.967'N	131°48.253'W	1147+9m						
		3=10	BO				71°50.005'N	131°49.026'W		1000					
		3=34	EN				71°49.986'N	131°49.702'W							
28	CABOS	3=41	BE	ADCP			71°50.014'N	131°49.918'W							
		4=47	EN				71°50.315'N	131°52.357'W							

Cast type:

BOT = bottle cast, no CTD
CTD = CTD without Rosette
ROS = Rosette plus CTD

USW = sea water loop

MOR = mooring
NET = net haul
DRF = drifter

bottle firing method:

US = up/stop
UN = up/no stop
DN = down/no stop

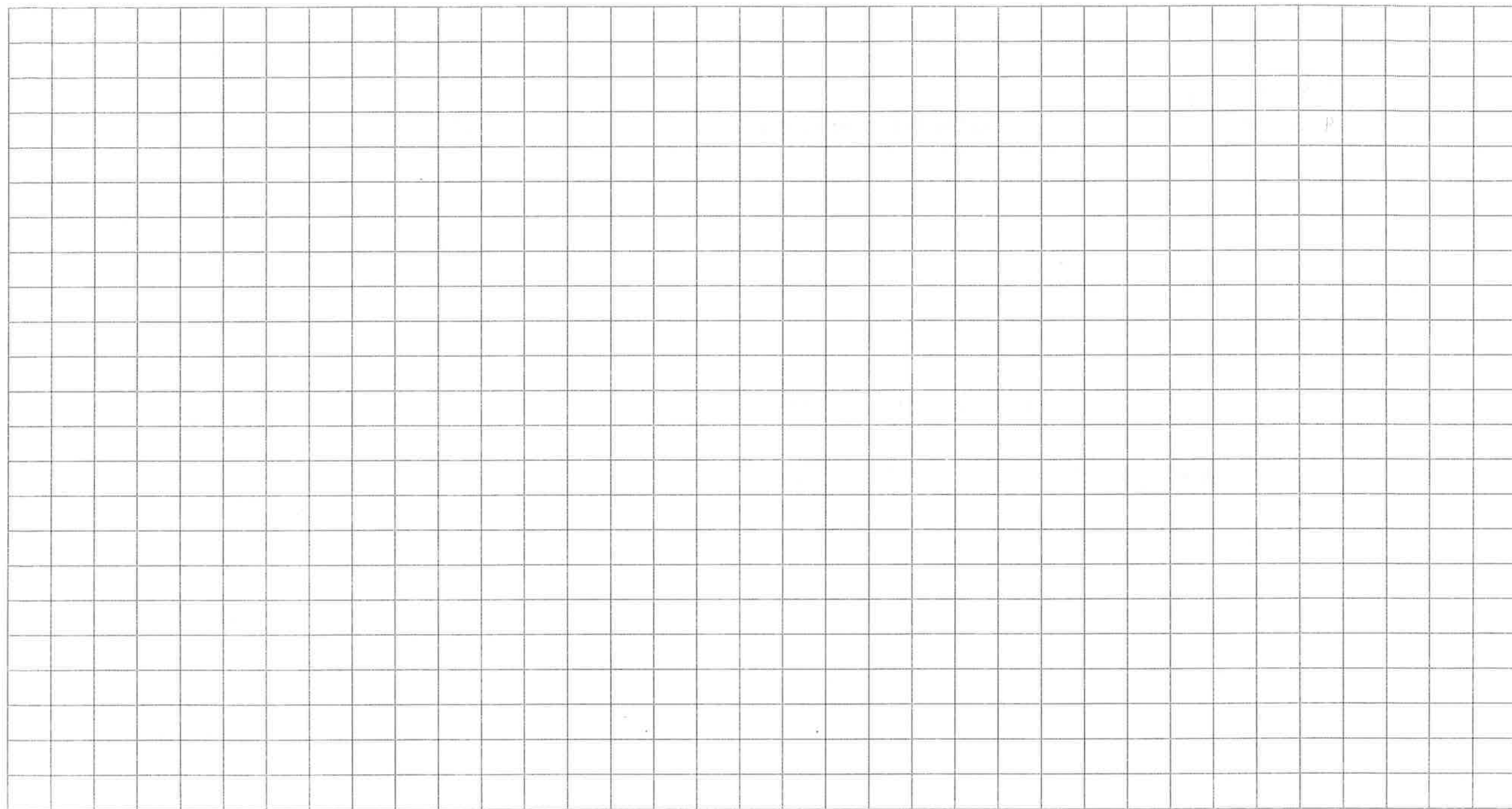
Time Code

BE = beginning time of cast
BO = bottom time of cast
EN = end time of cast

DE = deployment time
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Transmissometer to be cleaned for each cast, do not use Ammonia products

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