

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Issued: 08/08/2017
Effective: 08/10/2017

Version: DMEF2017 R1
Status: Active

Instrument # 100402

Date: 9/13/17

Analyst: Brandi Barnett

1. Reason for instrument evaluation

Detector reading with no flow

2. Visual Inspection (internal and external)

3. O-ring inspection

4. Troubleshooting/Repair

Problem only occurred during an isolated portion of time. Several non drinking subject tests were performed in the field with no issue. Instrument was used for training at the laboratory with no issue.

Detector voltage is stable and within normal range.

No obvious problem still exists.

5. VOC (attached)

6. Internal Standard value $\leq 3.00\%$ Yes No

7. Verify software version

Return to Factory for Repair

Ready for Calibration

Ready for Certification

Proceed to Close Out

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100402

Date: 05/06/2017
Time: 11:33:43

SUBJECT NAME:

[REDACTED]

OPERATOR NAME:

TREAT M MAIN
OPERATOR'S #: 8269

DEPT/AGENCY:

ANC6

CASE/REPORT: [REDACTED]
TEST TYPE: OTHER

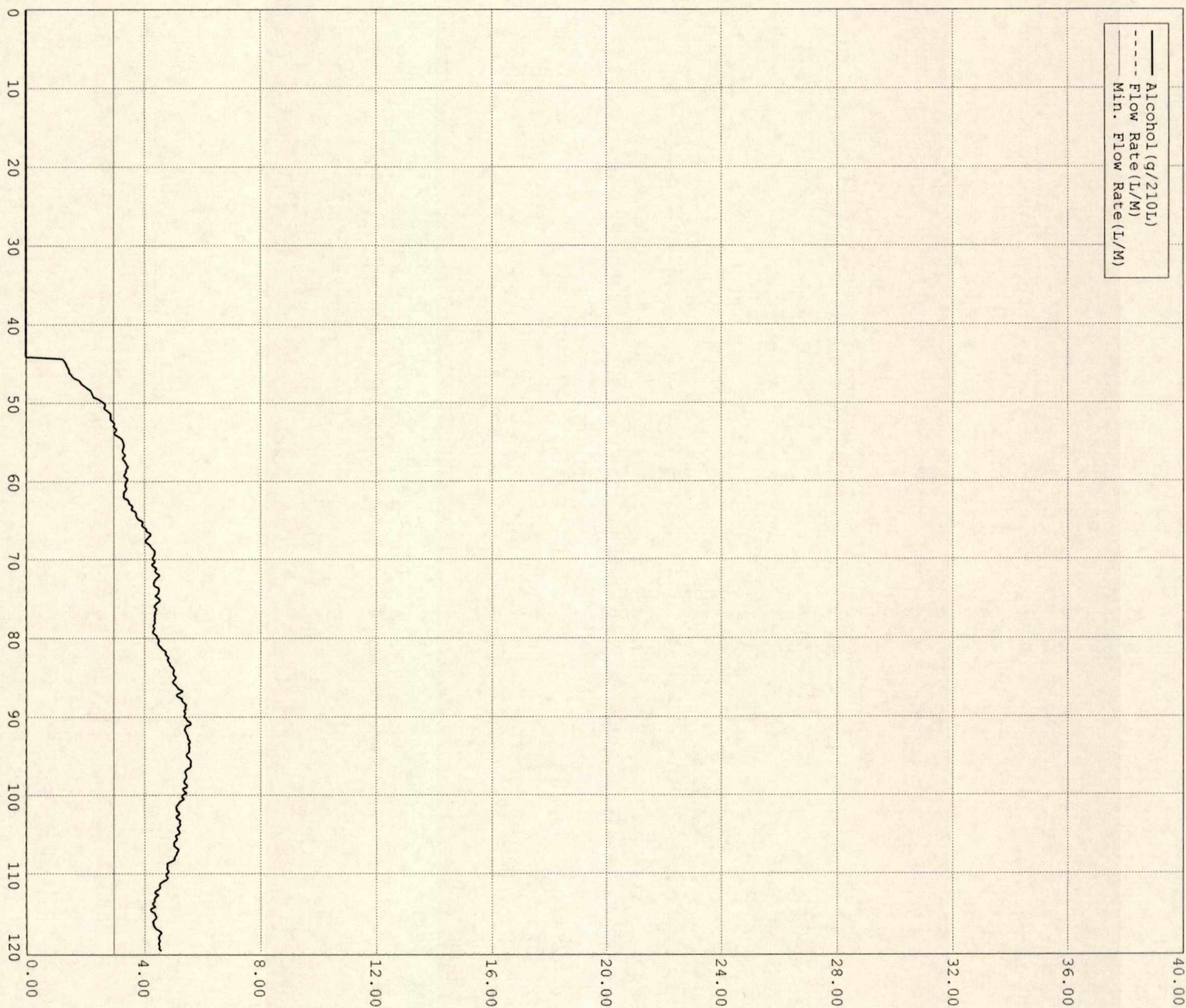
EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.72: 0.079
LOT #: AG608504
EXPIRATION: 03/25/2018

DIAGNOSTIC CHECK	PASSED	11:34
BLANK TEST	0.000	11:34
INTERNAL STANDARD	0.077	11:34
EXTERNAL STANDARD	0.000	11:35
BLANK TEST	0.000	11:36
SUBJECT SAMPLE	XXX	11:38

Blank Error

Sheet No. 1



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100402

Date: 05/06/2017
Time: 11:40:25

SUBJECT NAME:
[REDACTED]

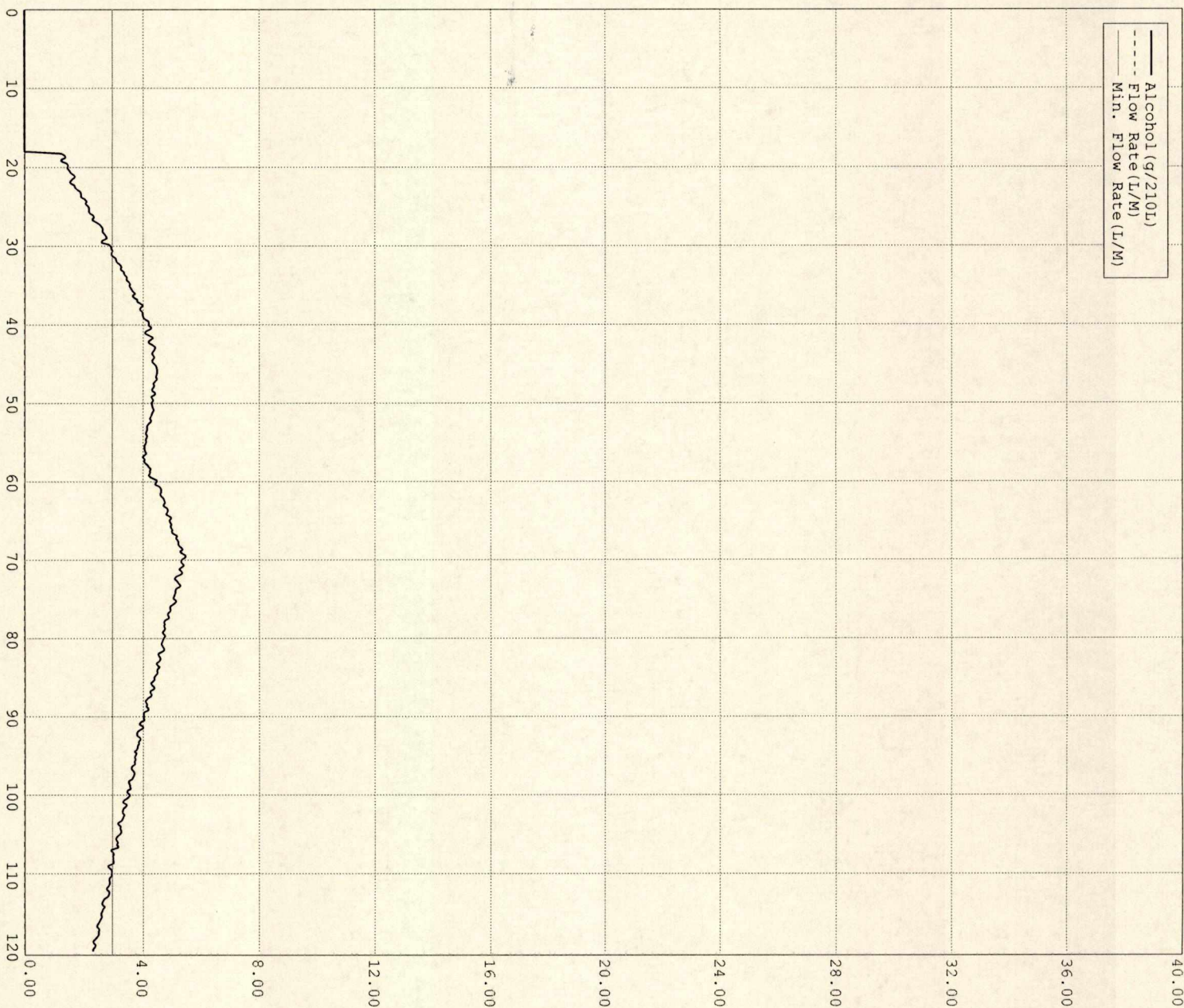
OPERATOR NAME:
TREAT M MAIN
OPERATOR'S #: 8269

DEPT/AGENCY:
ANC6
CASE/REPORT: [REDACTED]
TEST TYPE: OTHER

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.72: 0.079
LOT #: AG608504
EXPIRATION: 03/25/2018

DIAGNOSTIC CHECK	PASSED	11:41
BLANK TEST	0.000	11:41
INTERNAL STANDARD	VERIFIED	11:41
EXTERNAL STANDARD	0.077	11:41
BLANK TEST	0.000	11:42
SUBJECT SAMPLE	INCOMPLETE	11:44

Treat Main



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100402

Date: 05/18/2017
Time: 15:20:11

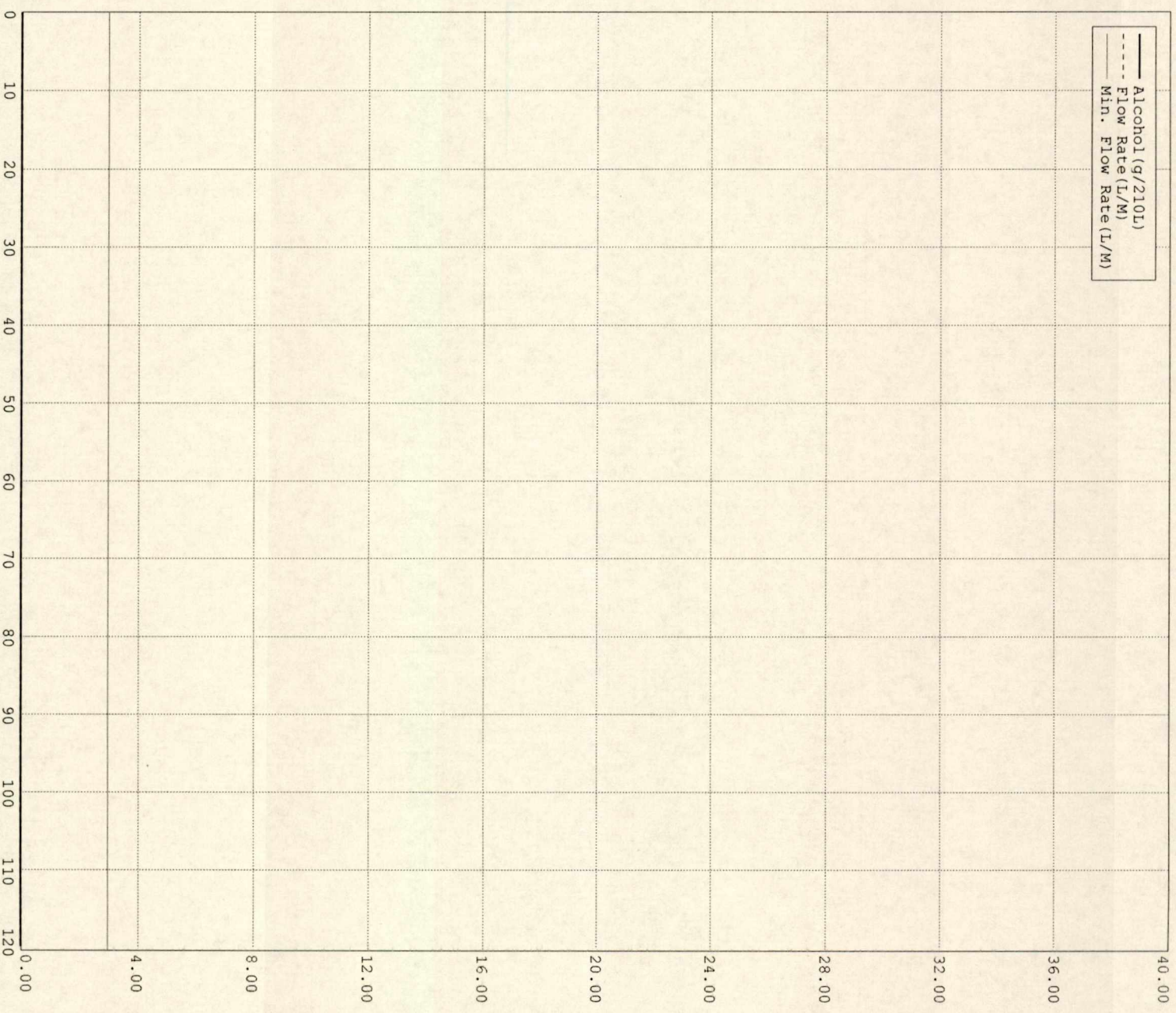
SUBJECT NAME:
TEST TEST
LICENSE #: 123456

OPERATOR NAME:
MIKE A FARMER
OPERATOR'S #: 6450

DEPT/AGENCY:
ANC6
CASE/REPORT: 17-12345
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.84: 0.080
LOT #: AG608504
EXPIRATION: 03/25/2018

DIAGNOSTIC CHECK	PASSED	15:21
BLANK TEST	0.000	15:21
INTERNAL STANDARD	VERIFIED	15:21
EXTERNAL STANDARD	0.077	15:21
BLANK TEST	0.000	15:22
SUBJECT SAMPLE	INCOMPLETE	15:24



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100402

Date: 05/19/2017
Time: 08:29:49

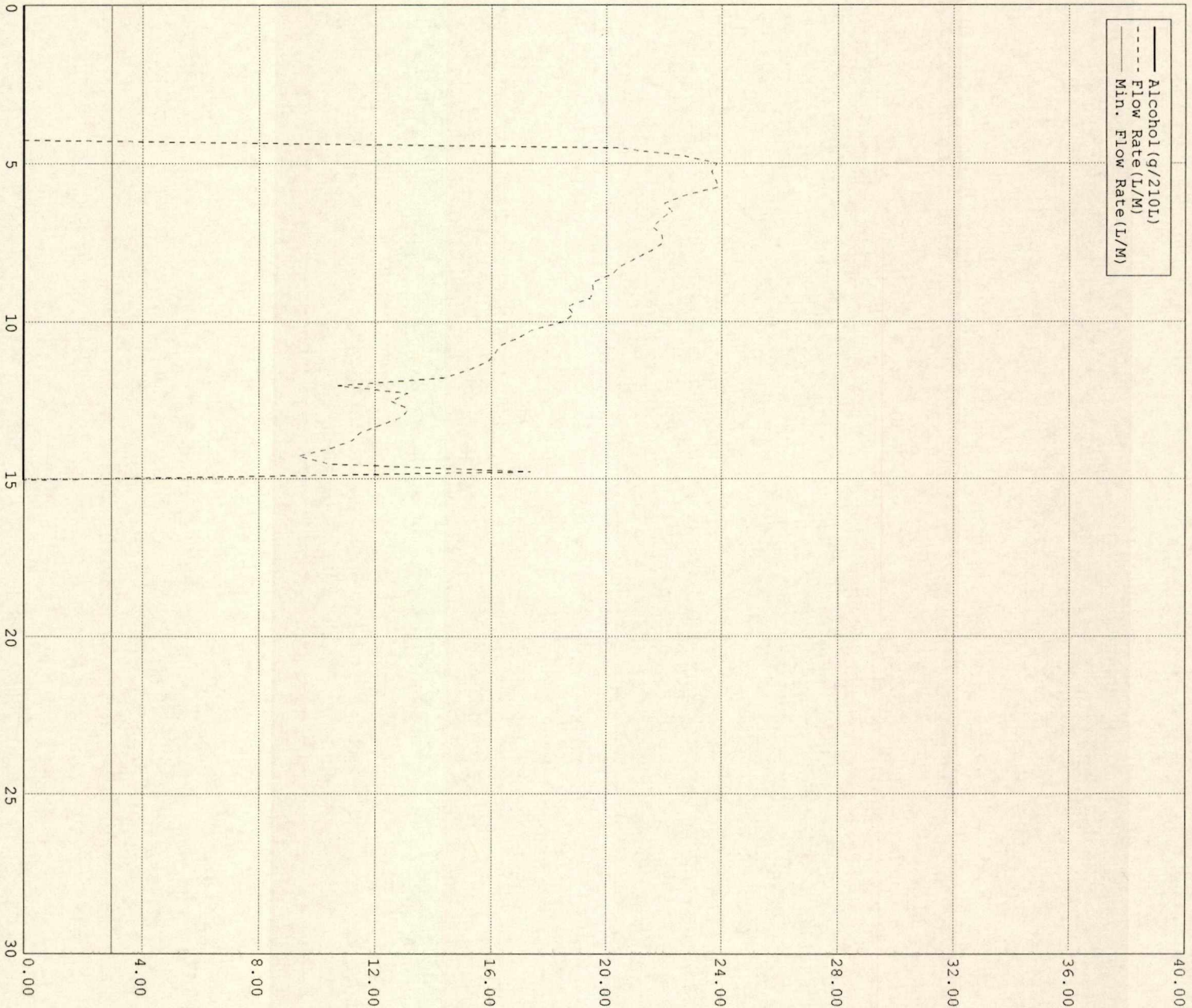
SUBJECT NAME:
TEST TEST
LICENSE #: NNNN

OPERATOR NAME:
ARWIN A YABUT
OPERATOR'S #: 6595

DEPT/AGENCY:
ANC6
CASE/REPORT: TEST
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.86: 0.080
LOT #: AG608504
EXPIRATION: 03/25/2018

DIAGNOSTIC CHECK	PASSED	08:30
BLANK TEST	0.000	08:30
INTERNAL STANDARD	VERIFIED	08:31
EXTERNAL STANDARD	0.077	08:31
BLANK TEST	0.000	08:32
SUBJECT SAMPLE (Vol=3.12L)	0.000	08:32
BLANK TEST	0.000	08:33
EXTERNAL STANDARD	0.077	08:33
BLANK TEST	0.000	08:34



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100402

Date: 05/19/2017
Time: 08:37:07

SUBJECT NAME:
TEST TEST
LICENSE #: NNN

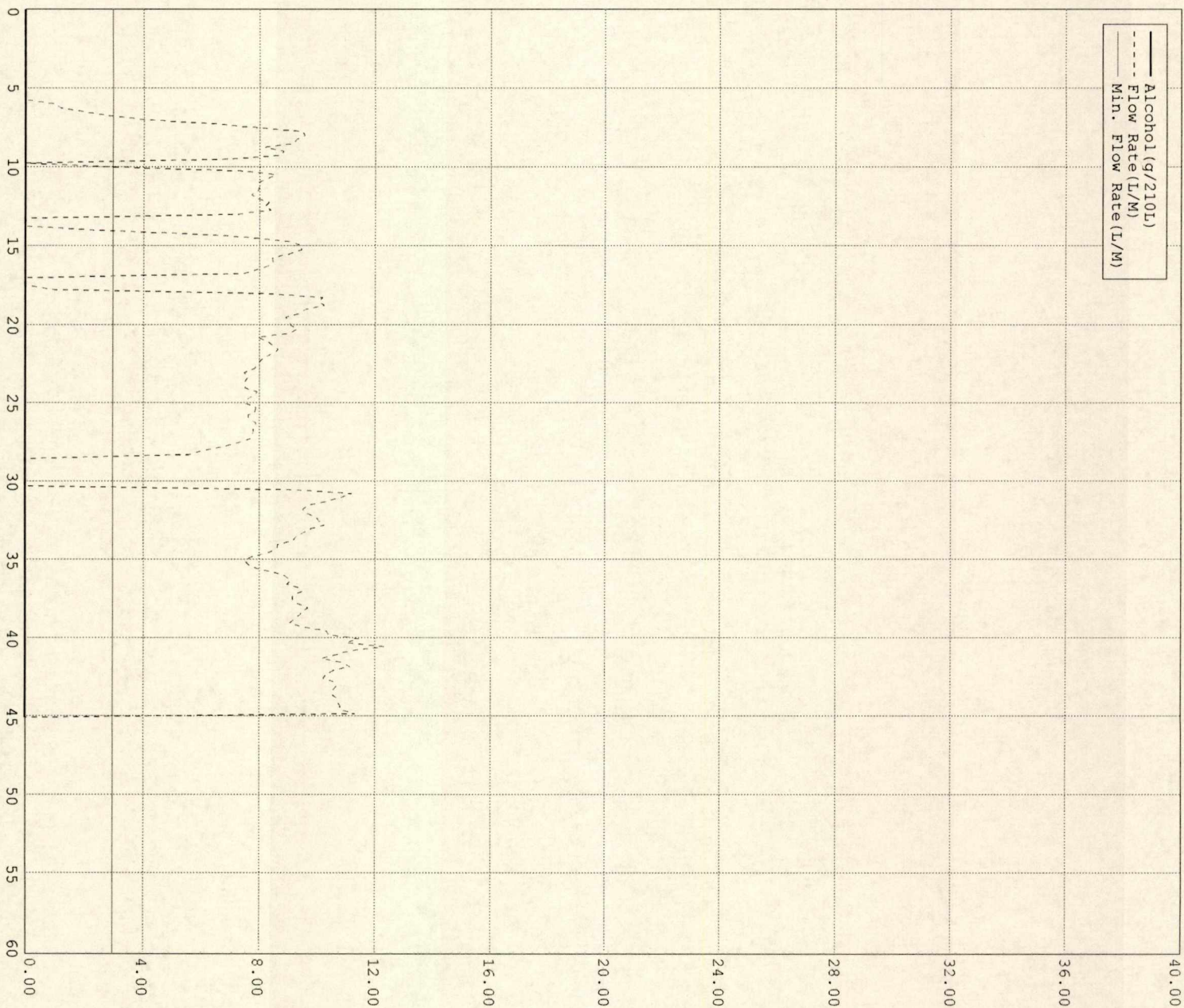
OPERATOR NAME:
ARWIN A YABUT
OPERATOR'S #: 6595

DEPT/AGENCY:
ANC6
CASE/REPORT: TEST
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.87: 0.080
LOT #: AG608504
EXPIRATION: 03/25/2018

DIAGNOSTIC CHECK	PASSED	08:38
BLANK TEST	0.000	08:38
INTERNAL STANDARD	VERIFIED	08:38
EXTERNAL STANDARD	0.077	08:38
BLANK TEST	0.000	08:39
SUBJECT SAMPLE (Vol=2.39L)	0.000	08:40
BLANK TEST	0.000	08:41
EXTERNAL STANDARD	0.077	08:41
BLANK TEST	0.000	08:42

W



SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100402

Date: 09/13/2017
Time: 10:05:14

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

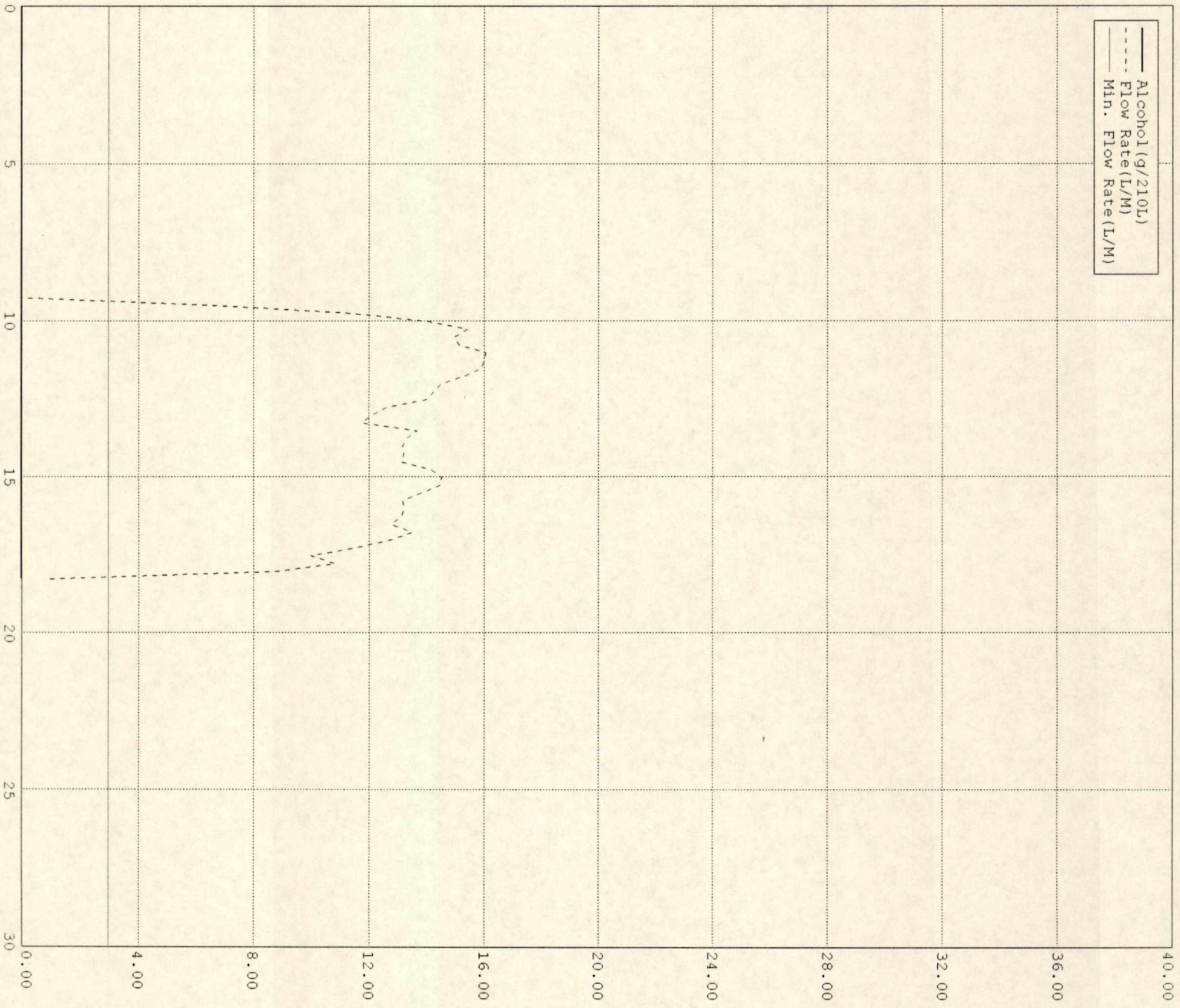
OPERATOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

DEPT/AGENCY:
NON DRINKING SUBJECT
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.83: 0.080
LOT #: AG634001
EXPIRATION: 12/05/2018

DIAGNOSTIC CHECK	PASSED	10:06
BLANK TEST	0.000	10:06
INTERNAL STANDARD	VERIFIED	10:06
EXTERNAL STANDARD	0.077	10:06
BLANK TEST	0.000	10:07
SUBJECT SAMPLE (Vol=1.94L)	0.000	10:08
BLANK TEST	0.000	10:08
EXTERNAL STANDARD	0.077	10:09
BLANK TEST	0.000	10:10

BMB



VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100402

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 09/13/2017

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.83: 0.080
LOT #: AG634001
EXPIRATION: 12/05/2018
TANK PRESSURE: 599 psi

BLANK TEST	0.000	09:57
INTERNAL STANDARD	VERIFIED	09:57
Xq = 0.084 (1.69%)		
EXTERNAL STANDARD	0.077	09:57
X[1] = 0.0770 (-0.0031) (-0.0021)		
BLANK TEST	0.000	09:58
EXTERNAL STANDARD	0.076	09:58
X[1] = 0.0764 (-0.0036) (-0.0014)		
BLANK TEST	0.000	09:59
EXTERNAL STANDARD	0.077	09:59
X[1] = 0.0768 (-0.0029) (-0.0008)		
BLANK TEST	0.000	10:00
EXTERNAL STANDARD	0.076	10:01
X[1] = 0.0764 (-0.0031) (-0.0014)		
BLANK TEST	0.000	10:02
EXTERNAL STANDARD	0.076	10:02
X[1] = 0.0764 (-0.0030) (-0.0008)		
BLANK TEST	0.000	10:03

Average = 0.0764
Std Dev = 0.0005

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.02
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.9°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.0°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.82 V	PASSED
(1.11 V - 2.59 V)	
Cooler Voltage = 1.66 V	PASSED
(0.95 V - 2.23 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 529 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.8 in	

PUMP INFO

Flow Rate = 4.794 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

DETECTOR INFO

PUMP ON	PASSED
(0.002 V <= 0.010 V)	
PUMP OFF	PASSED
(0.002 V <= 0.010 V)	

FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD

Xq = 0.084	1.90%	(0.00% - 4.00%)	PASSED
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