

12 copies each

14994 + 14995

w/ listing

Smithsonian Inst.

Mr Pyle

1 cc to Mr Pyle - Hawaii

1 cc to Wash DC

Mr. Pyle

Smithsonian

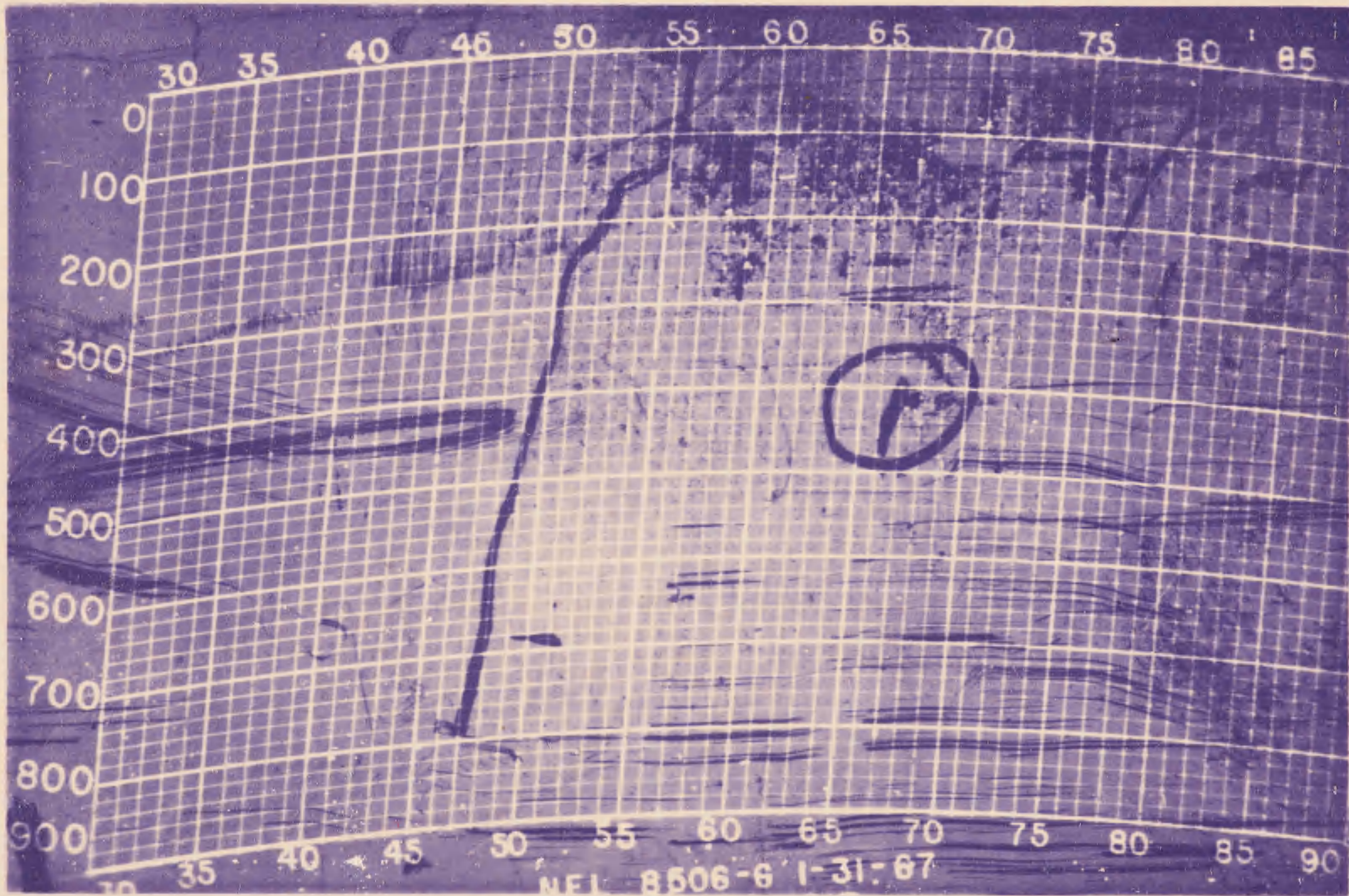
Also get
history

SIO NO 885 KEY 35121
NODC NO 14995 CARD NO 1 GCT 2000 DATE I-4-68
VESSEL MARYSVILLE
LAT 35°00' N LONG 121°53' W DEPTH SPD
SURF T 60.1 K WIND D F DRY T WET T
BAR WEA CL T C VIS SEA
SWELL DIR HT PER
TCS -3.2 DCS 0

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968



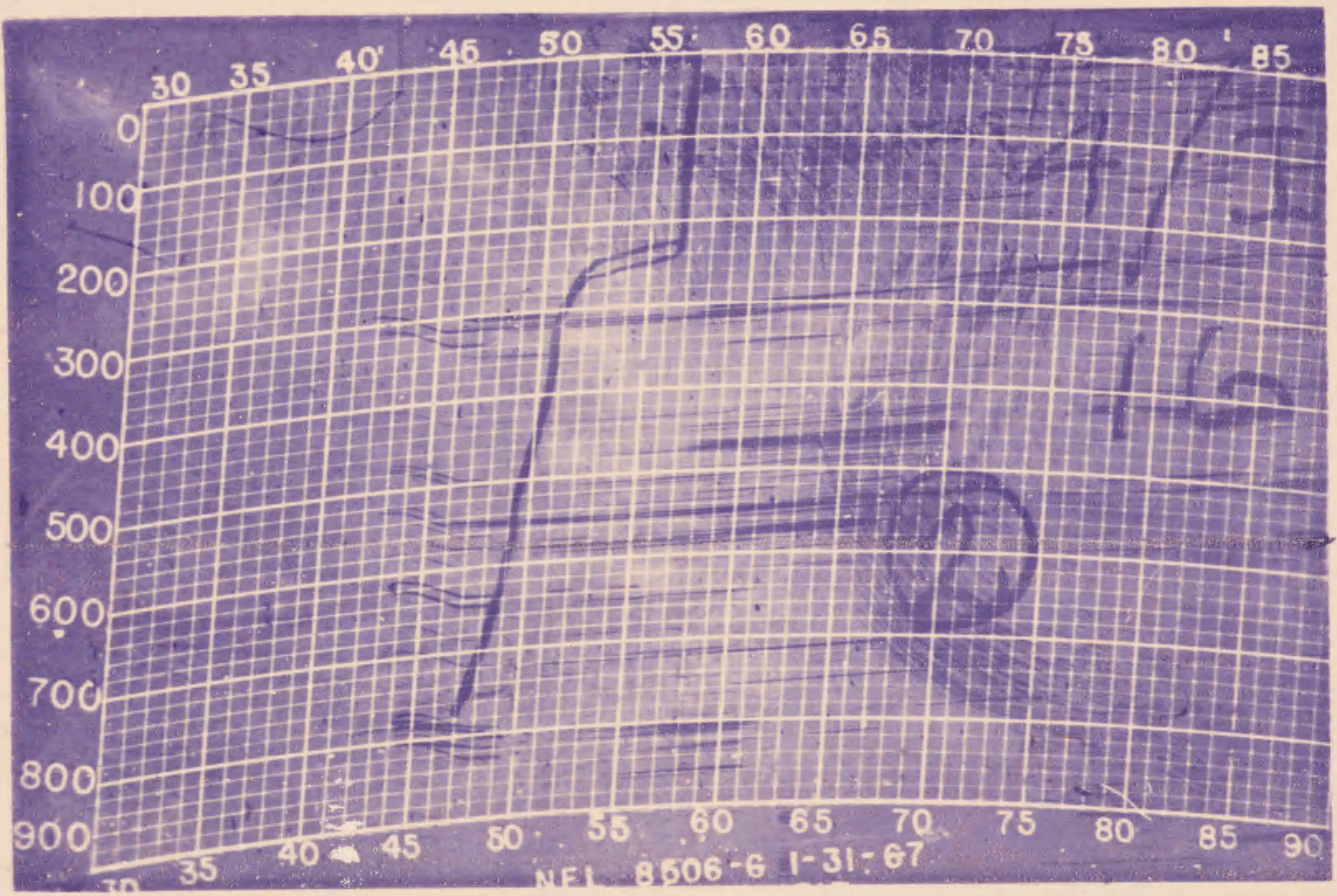
SIO NO 885 2 KEY 35122
NODC NO 14995 CARD NO 2 GCT 0000 DATE I-5-68
VESSEL MARYVILLE
LAT 35°00' N LONG 122°53' W DEPTH SPD
SURF T 60.1 K WIND D F DRY T WET T
BAR WEA CL T C VIS SEA
SWELL DIR HT PER
TCS -3.2 DCS 0

TCS BASED ON MEAN TEMP

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606e (REV 1956) Scripps Institution of Oceanography



SIO NO 885 3 KEY 34124

NODC NO 14995 CARD NO 3 GCT 0400 DATE I-5-68

VESSEL MARYSVILLE

LAT 34° 58' N LONG 124° 03' W DEPTH SPD

SURF T 60.1 K WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

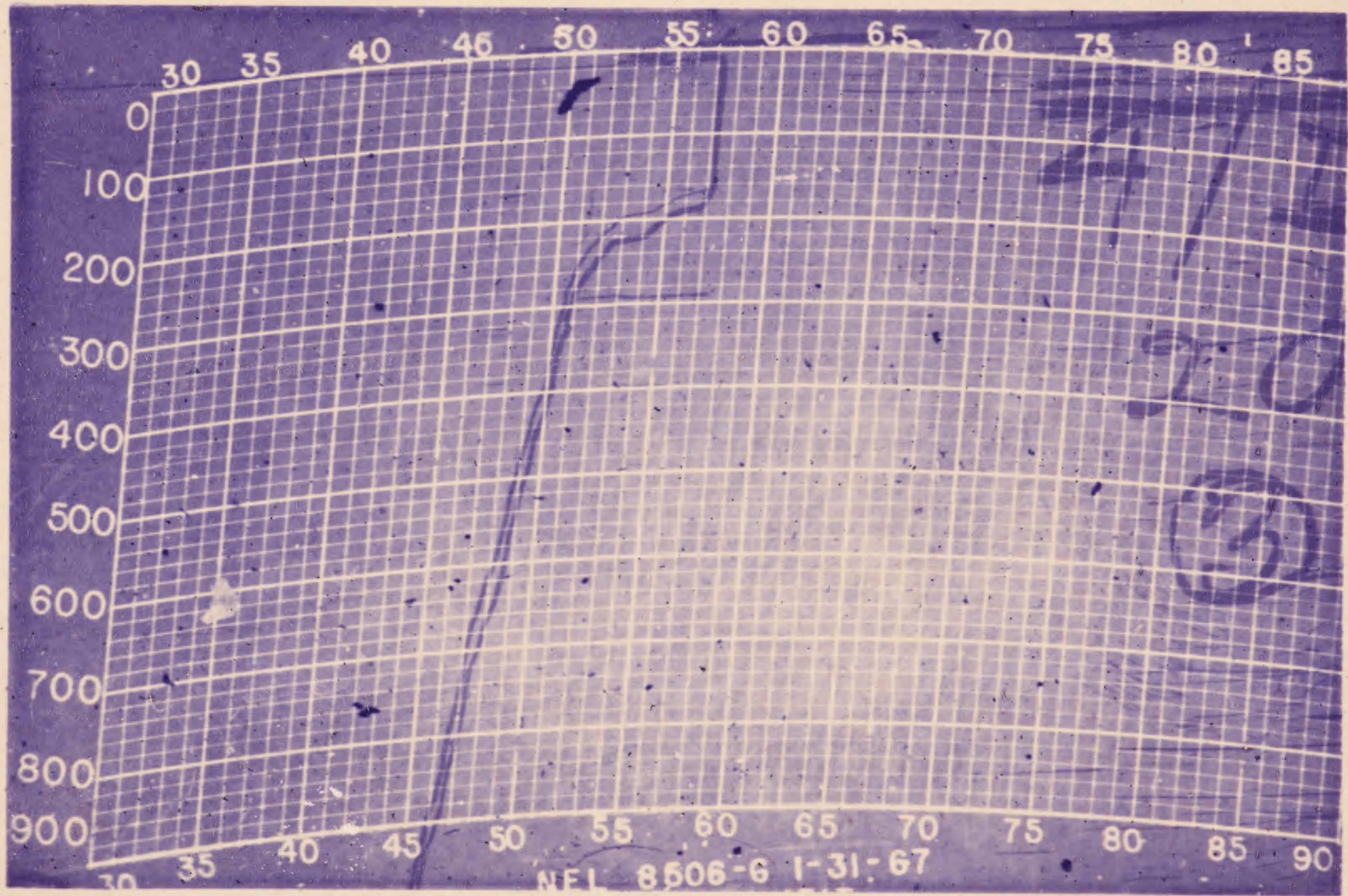
TCS - 3.2 DCS 0

~~TCS BASED ON MEAN TEMP.~~

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 885 4 KEY 34125

NODC NO 14995 CARD NO 4 GCT 0800 DATE I-5-68

VESSEL MARYSVILLE

LAT 34° 59' N LONG 125° 03' W DEPTH SPD

SURF T 57.9 K WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

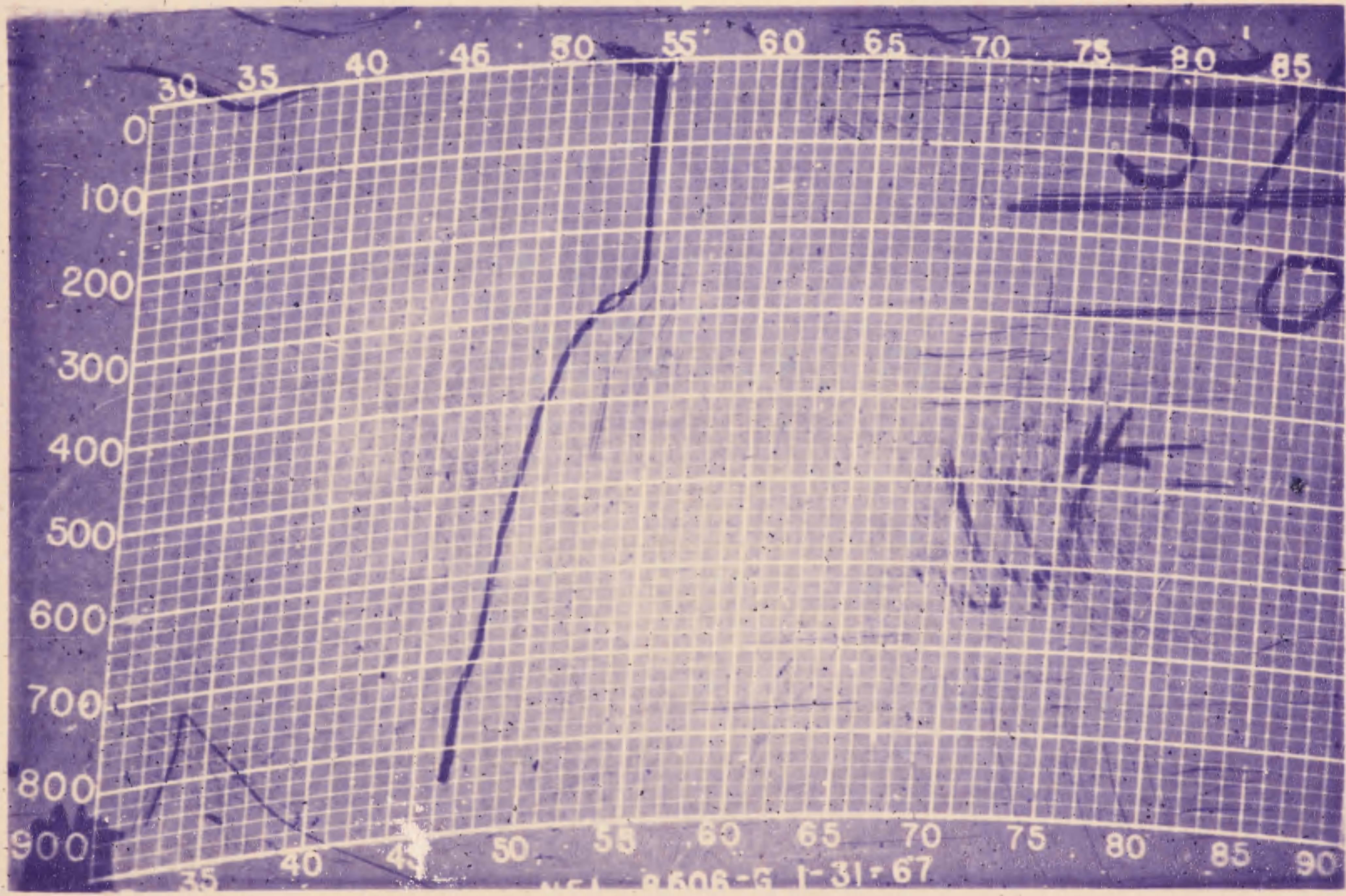
TCS - 3.2 DCS - 5'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



MEL 8606-5 1-31-67

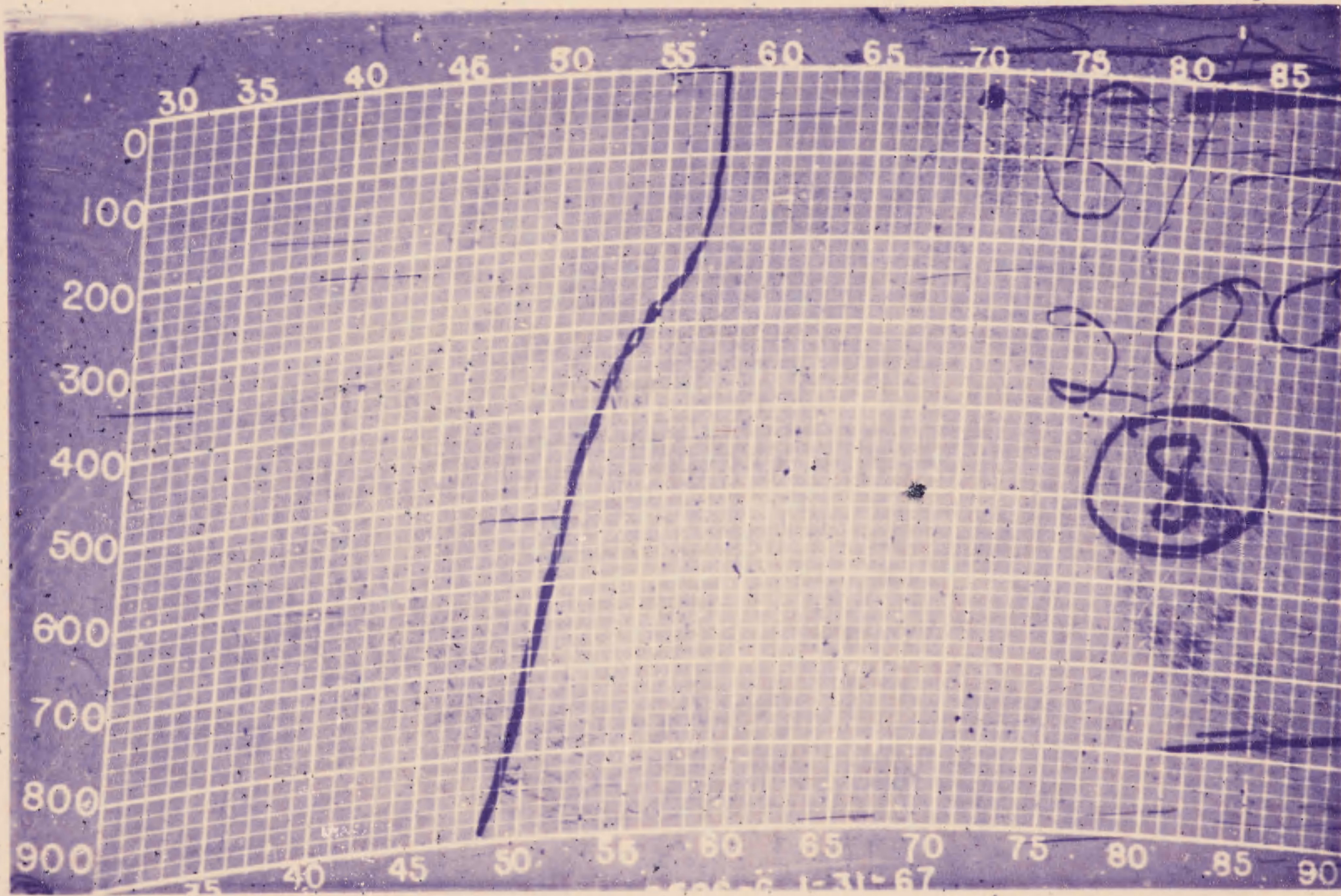
SIO NO 885 KEY 8 34124
NODC NO 14995 CARD NO 5 GCT 0400 DATE I-6-68
VESSEL MARYSVILLE
LAT 34°20' N LONG 124°42' W DEPTH SPD
SURF T 60.1 K WIND D F DRY T WET T
BAR WEA CL T C VIS SEA
SWELL DIR HT PER
TCS - 3.2 DCS - 20'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 885 9 KEY 34123

NODC NO 14995 CARD NO 6 GCT 1600 DATE I-6-68

VESSEL MARYSVILLE

LAT 34° 09' N LONG 123° 25' W DEPTH SPD

SURF T 60.1 K WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

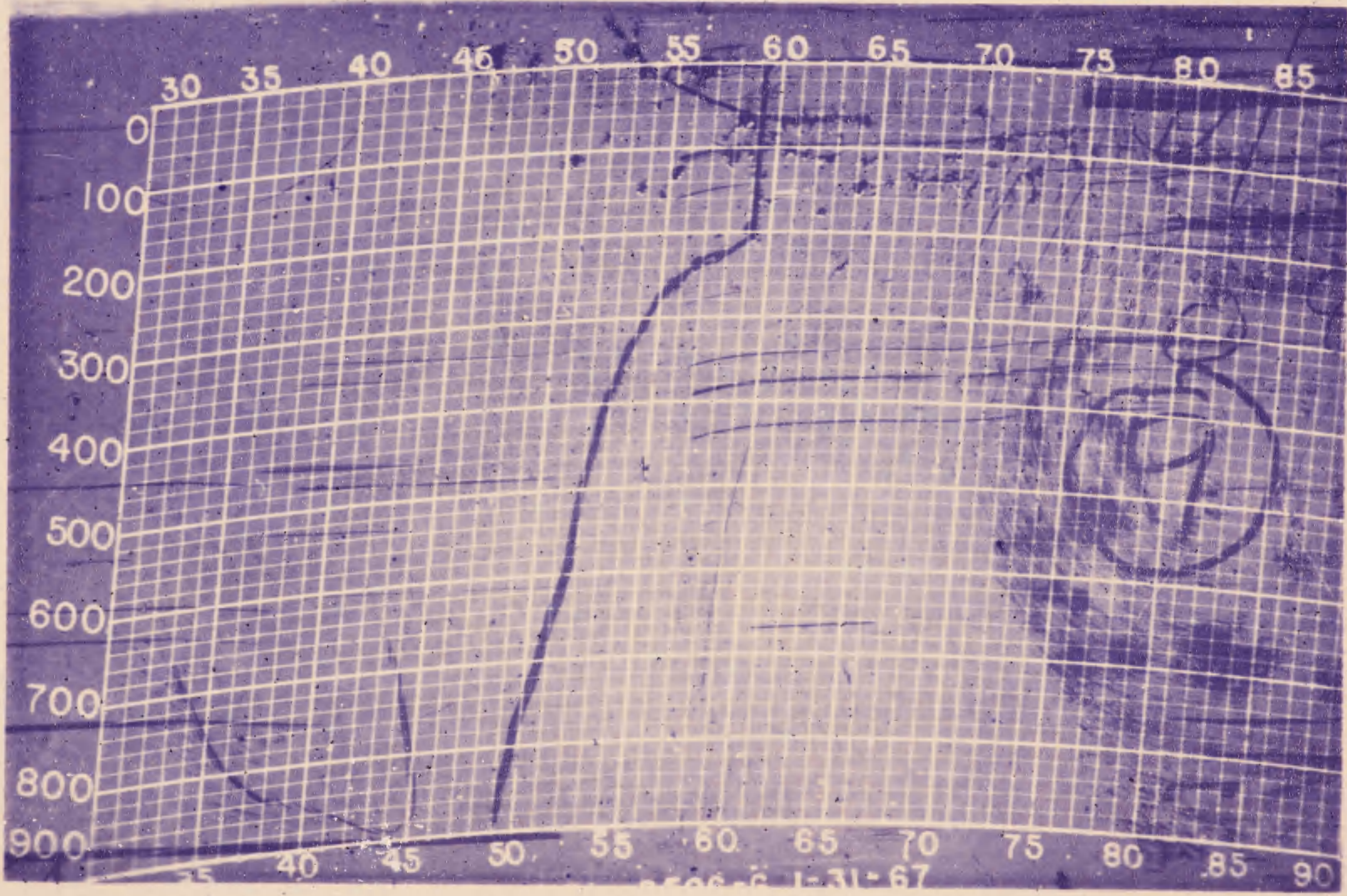
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TCS BASED ON WIND REPORT

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



2500-6 1-31-67

SIO NO 885 10' KEY 34122

NODC NO 14995 CARD NO 7 GCT 2000 DATE I-6-68

VESSEL MARYSVILLE

LAT 34° 03' N LONG 122° 35' W DEPTH SPD

SURF T 62.1 K WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

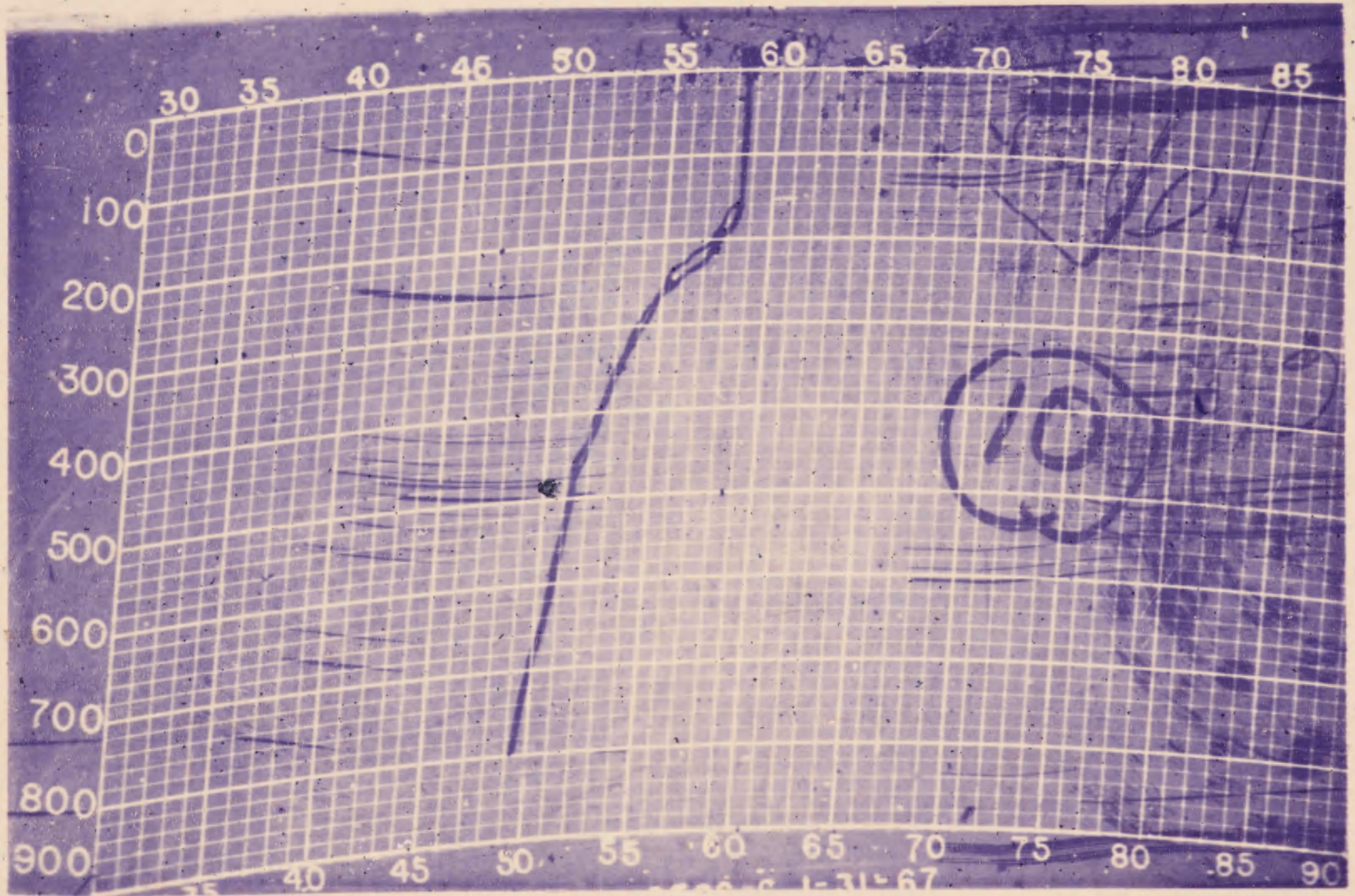
TCS - 3.2 DCS - 20'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 6060 (REV 1956) Scripps Institution of Oceanography



SIO NO 885 11 KEY 34121

NODC NO 14995 CARD NO 8 GCT 0000 DATE I-7-68

VESSEL MARYSVILLE

LAT 34°08' N LONG 121°45' W DEPTH SPD

SURF T 61.0 K WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

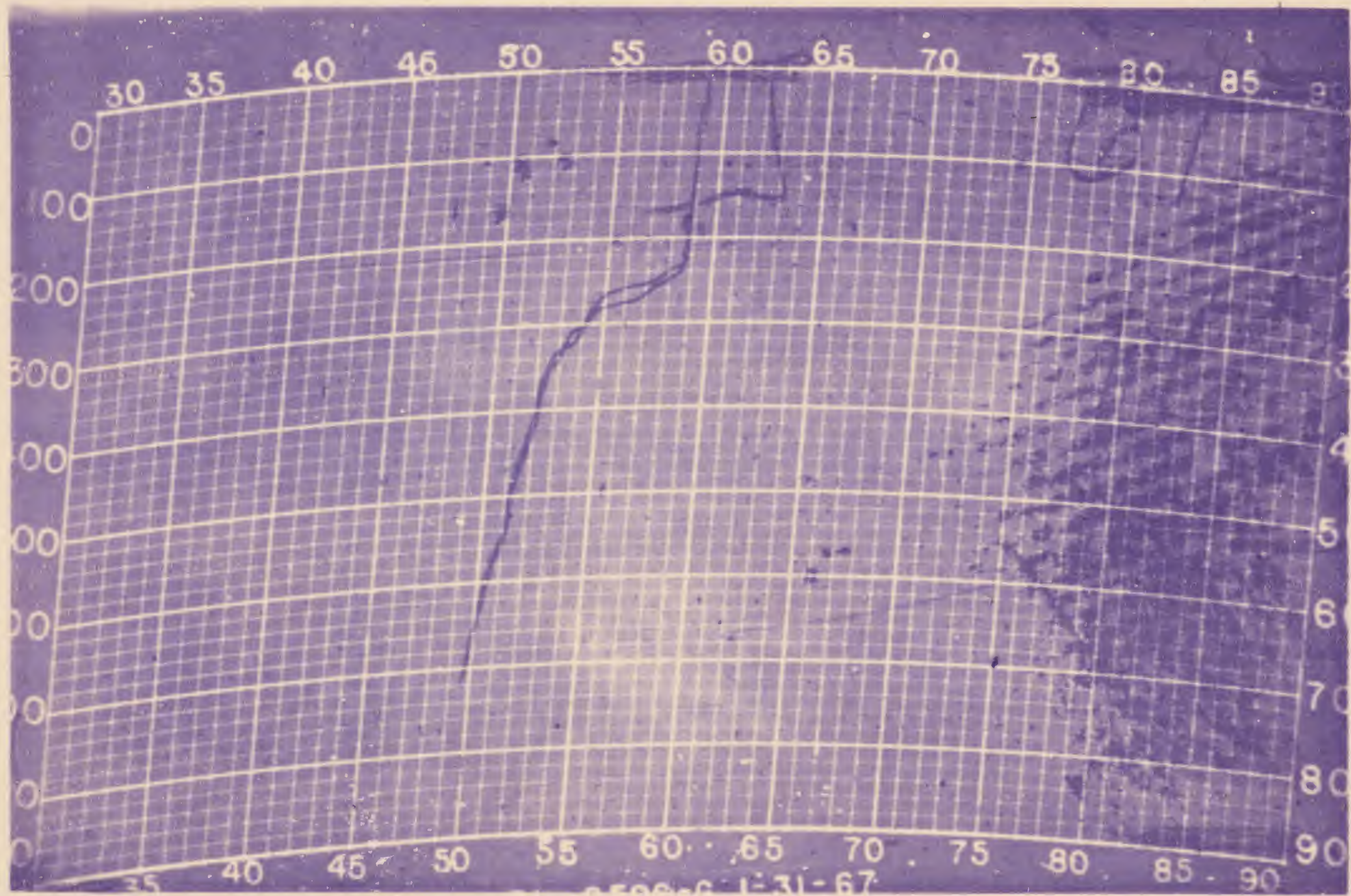
TCS - 3.2 DCS - 20'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 6060 (REV 1956) Scripps Institution of Oceanography



50006 1-31-67

SIO NO 885 .12 KEY 33121
NODC NO 14995 CARD NO 9 GCT 0400 DATE I-7-68

VESSEL MARYSVILLE

LAT 33° 45' N LONG 121° 21' W DEPTH SPD

SURF T 61.0 K WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

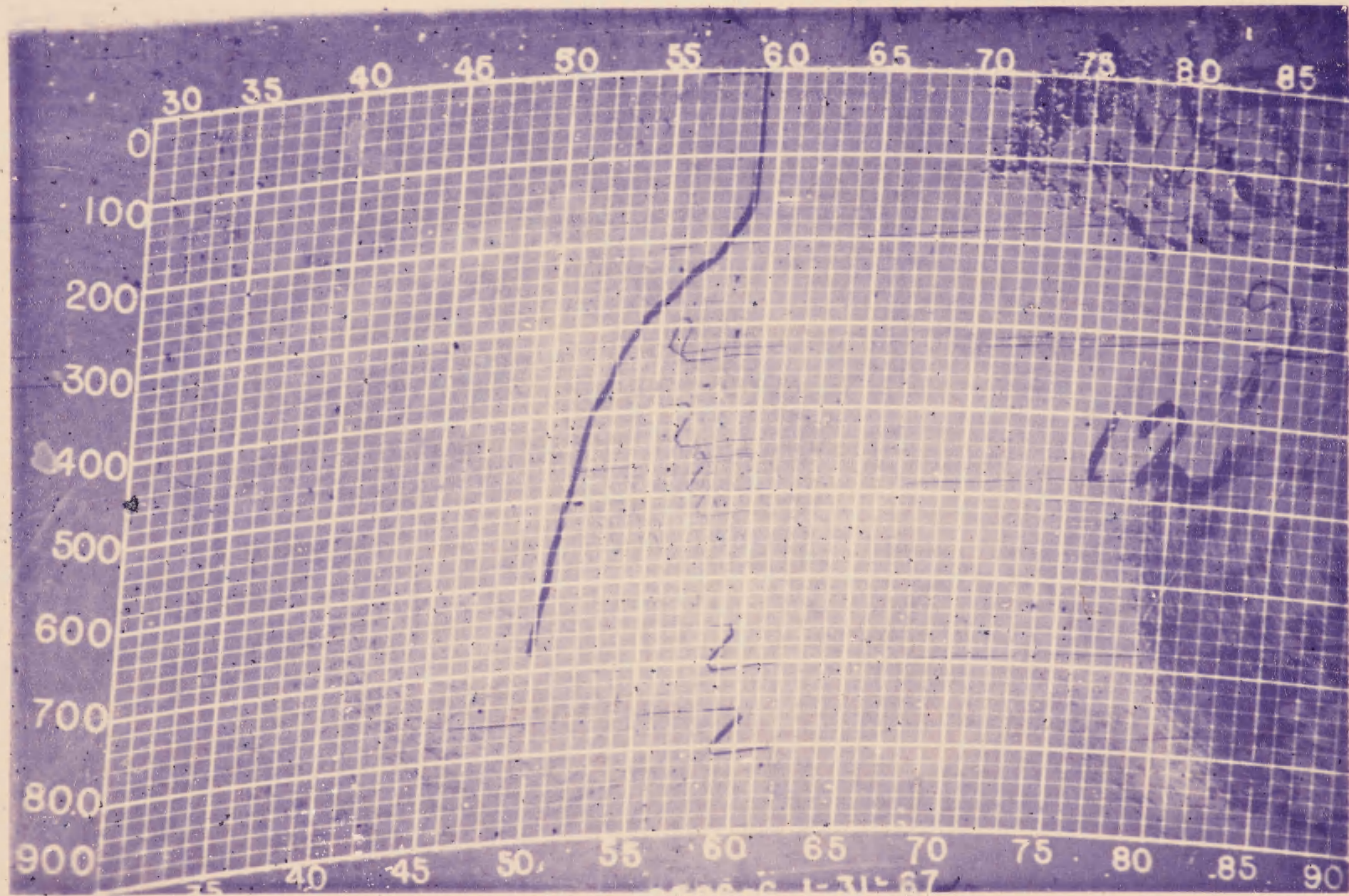
TCS -3.2 DCS -20"

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 6060 (REV 1956) Scripps Institution of Oceanography



1-31-67

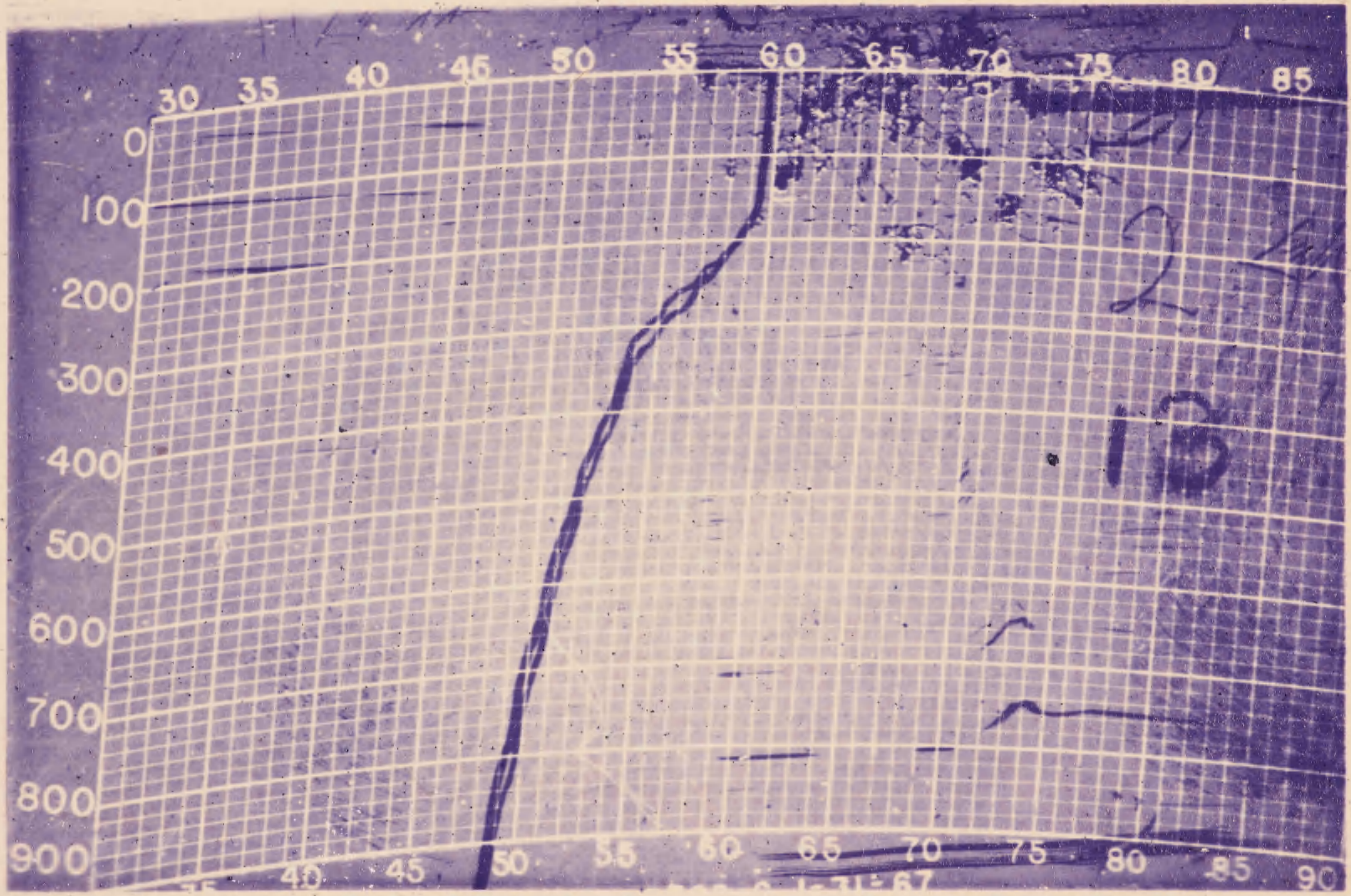
SIO NO 885 13 KEY 33121
 NODC NO 14995 CARD NO 10 GCT 0800 DATE I-7-68
 VESSEL MARYSVILLE
 LAT 33° 30' N LONG 121° 30' W DEPTH SPD
 SURF T 57.9 K WIND D F DRY T WET T
 BAR WEA CL T C VIS SEA
 SWELL DIR HT PER
 TCS - 3.2 DCS - 20'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY. HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 885 14 KEY 33121

NODC NO 14995 CARD NO 11 GCT 1600 DATE I-7-68

VESSEL MARYSVILLE

LAT 33°18' N LONG 121°52' W DEPTH SPD

SURF T 54.0 K WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

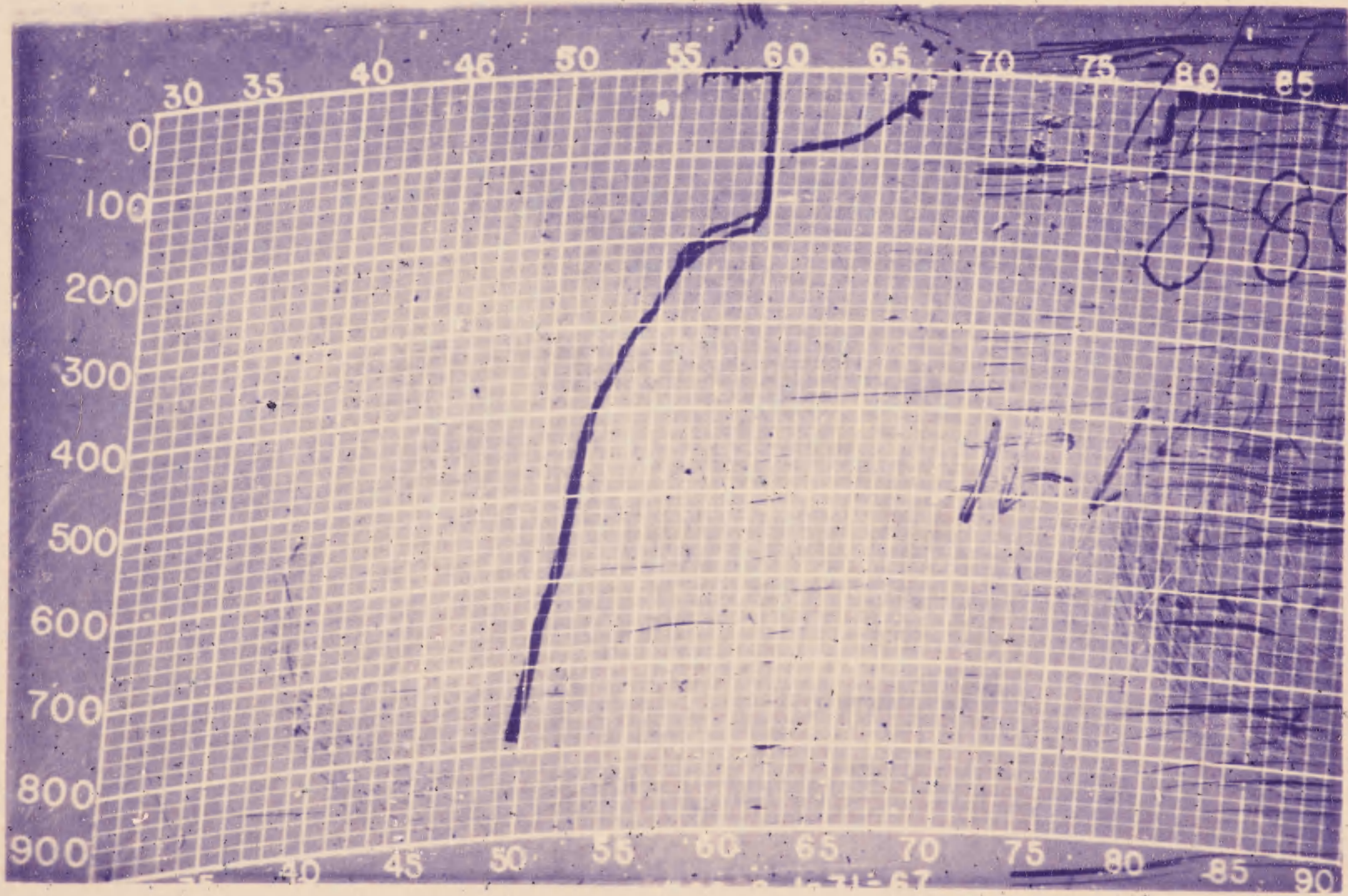
TCS - 3.2 DCS - 30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 885 15 KEY 33122

NODC NO 14995 CARD NO 12 GCT 2000 DATE I-7-68

VESSEL MARYSVILLE

LAT 33°18'N LONG 122°54'W DEPTH SPD

SURF T 59.0K WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

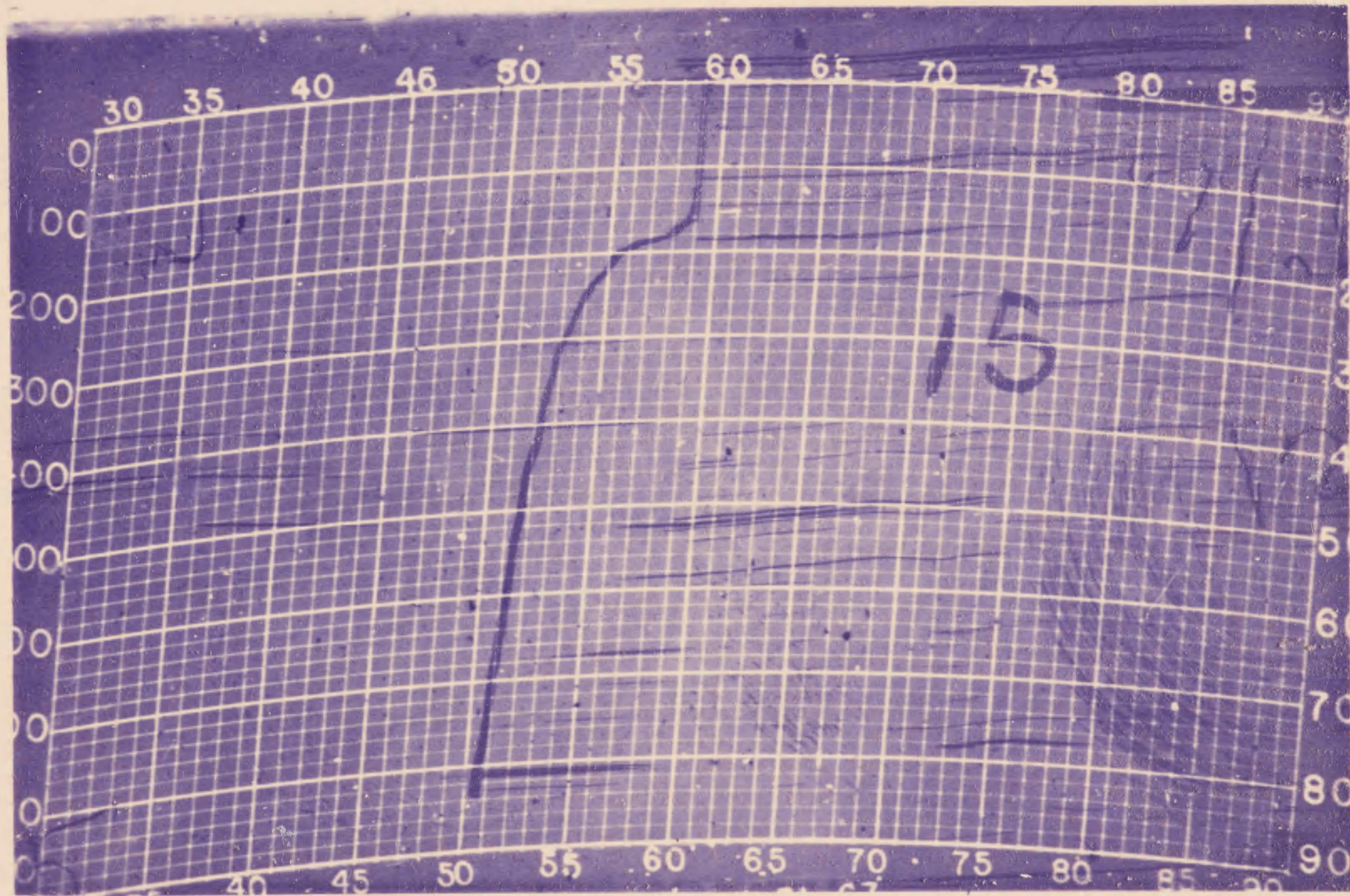
TCS -3.2 DCS -30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 885 16 KEY 33123
NODC NO 14995 CARD NO 13 GCT 0006 DATE I-8-68

VESSEL MARYSVILLE

LAT 33° 19' N LONG 123° 50' W DEPTH SPD

SURF T WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

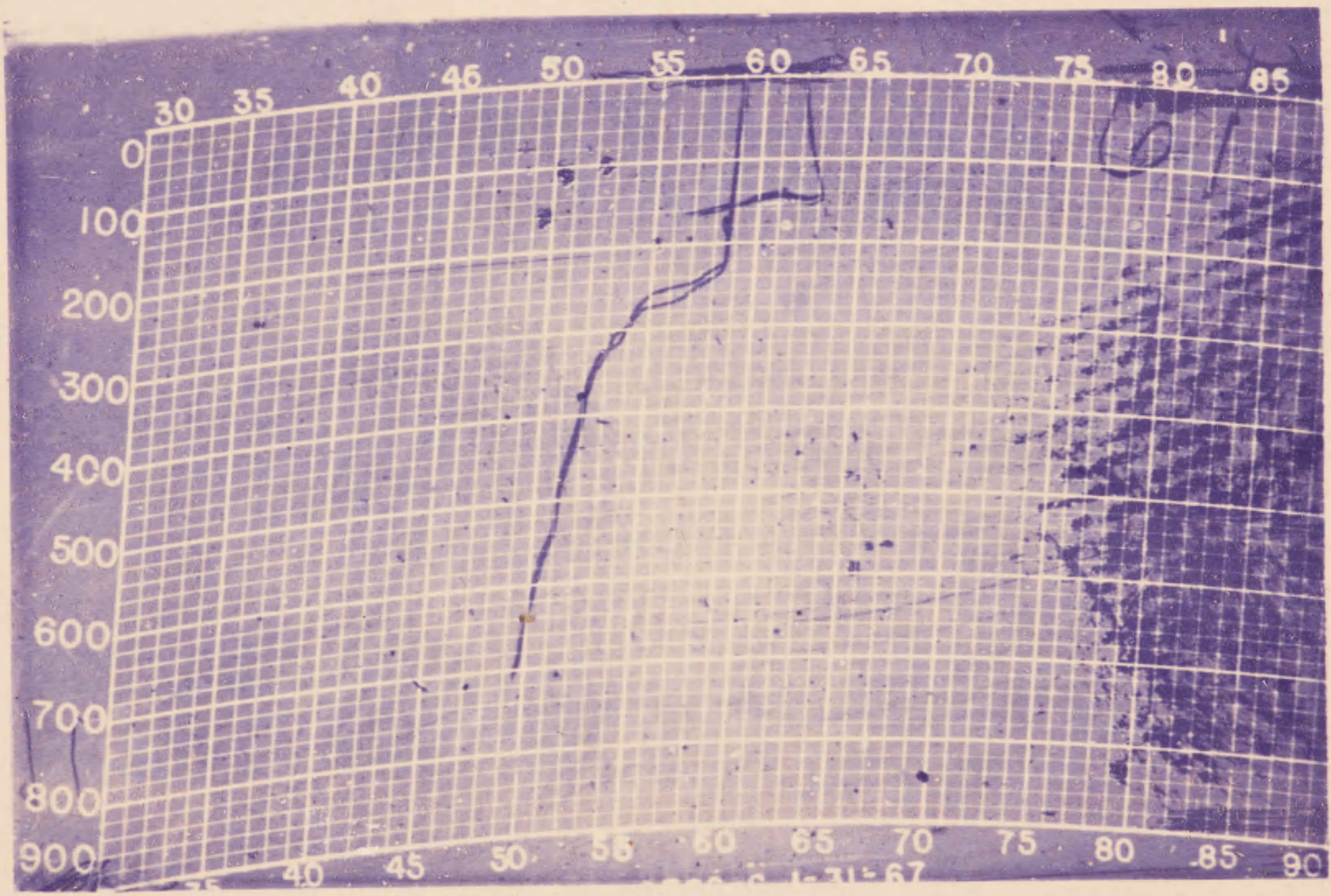
TCS -3.2 DCS -30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606e (REV 1956) Scripps Institution of Oceanography



SIO NO 885 17 KEY 33124

NODC NO 14995 CARD NO 14 GCT 0400 DATE I-8-68

VESSEL MARYSVILLE

LAT 33° 20' N LONG 124° 43' W DEPTH SPD

SURF T WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

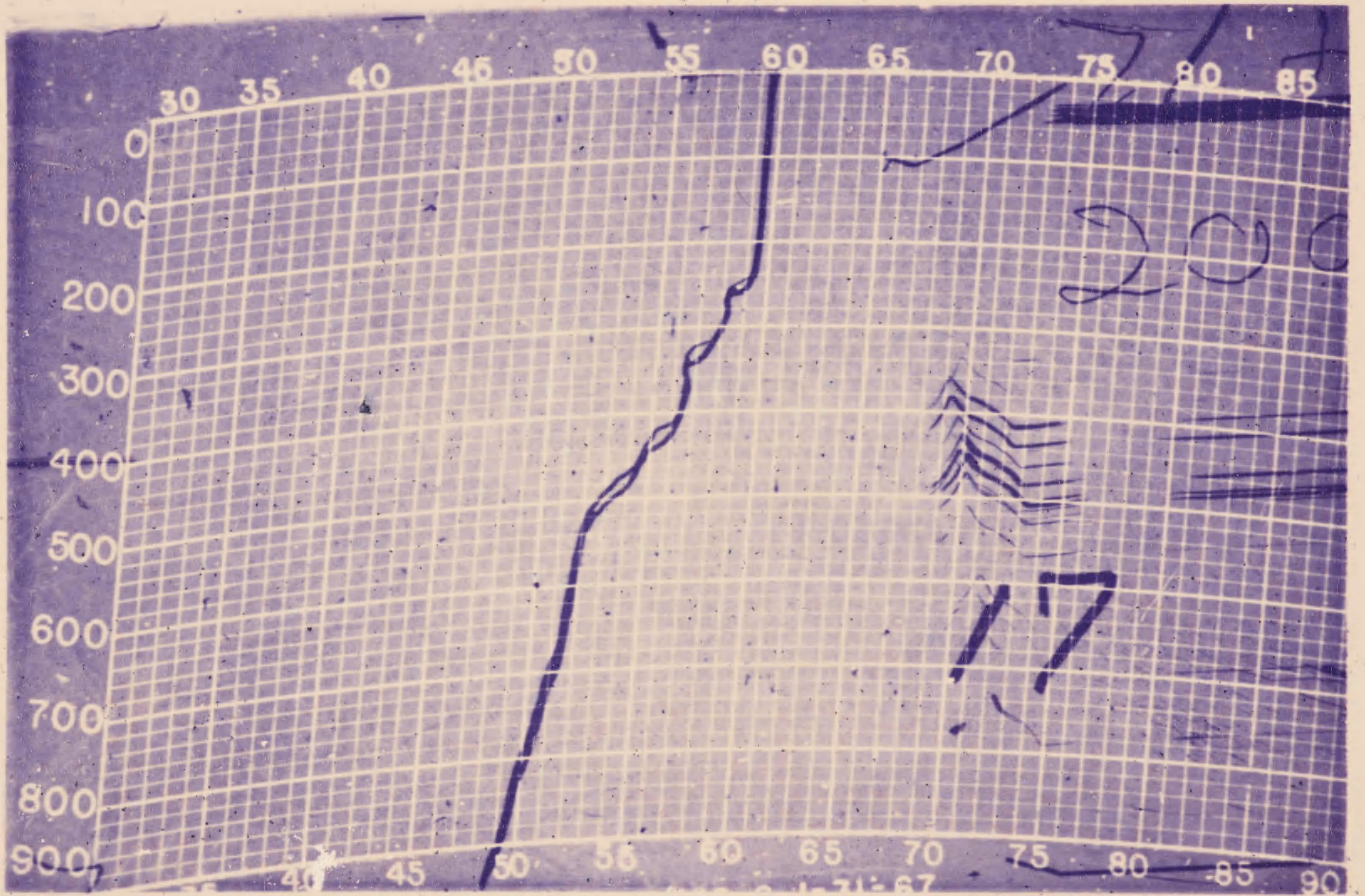
TCS - 3.2 DCS - 30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 885 18 KEY 33125

NODC NO 14995 CARD NO 15 GCT 0800 DATE I-8-68

VESSEL MARYSVILLE

LAT 33°20' N LONG 125°42' W DEPTH SPD

SURF T WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

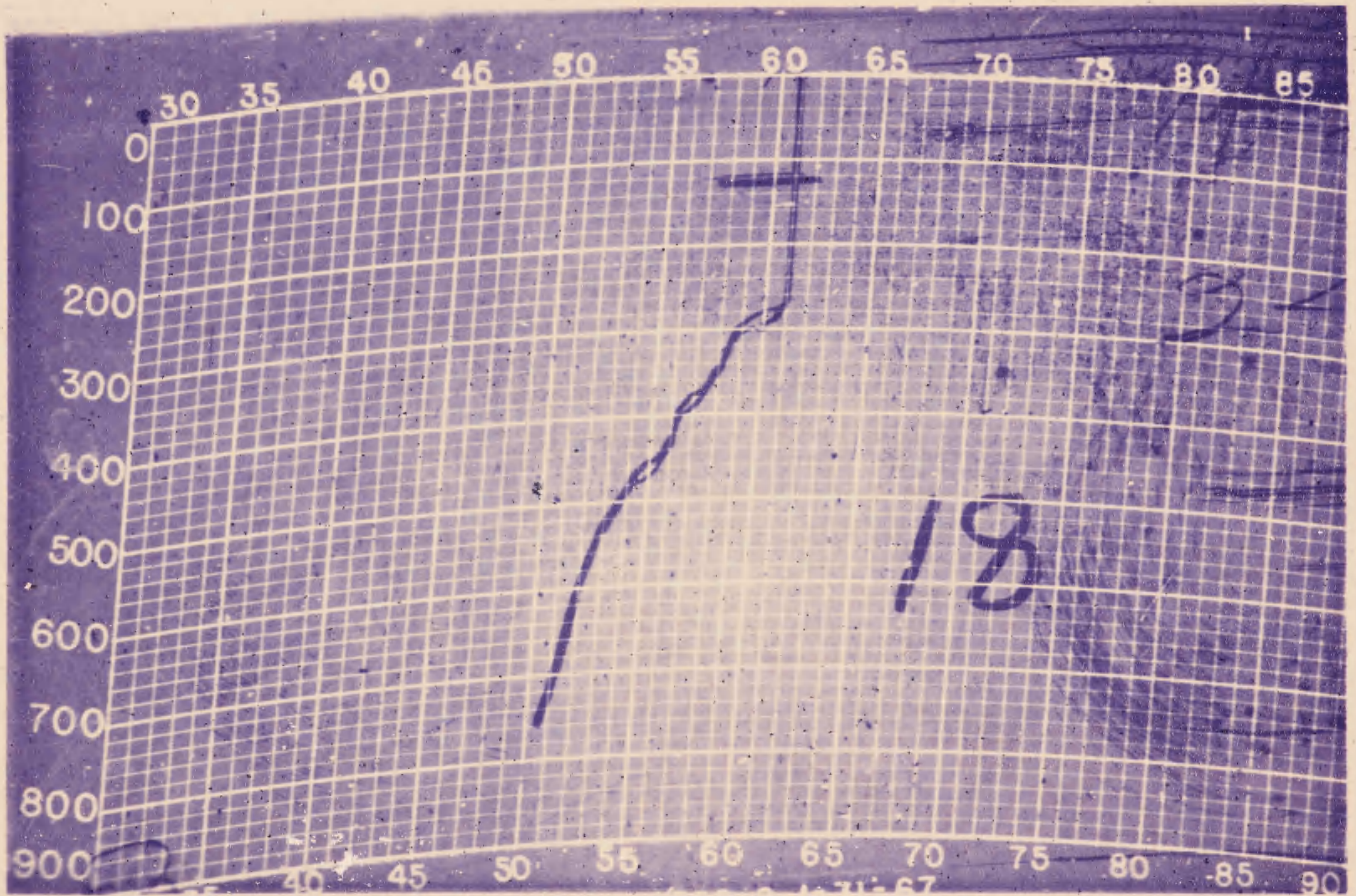
TCS -3.2 DCS -30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 6060 (REV 1956) Scripps Institution of Oceanography



SIO NO 885 19 KEY 33126
NODC NO 14995 CARD NO 16 GCT 1600 DATE I-8-68

VESSEL MARYSVILLE

LAT 33° 30' N LONG 126° 05' W DEPTH SPD

SURF T WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

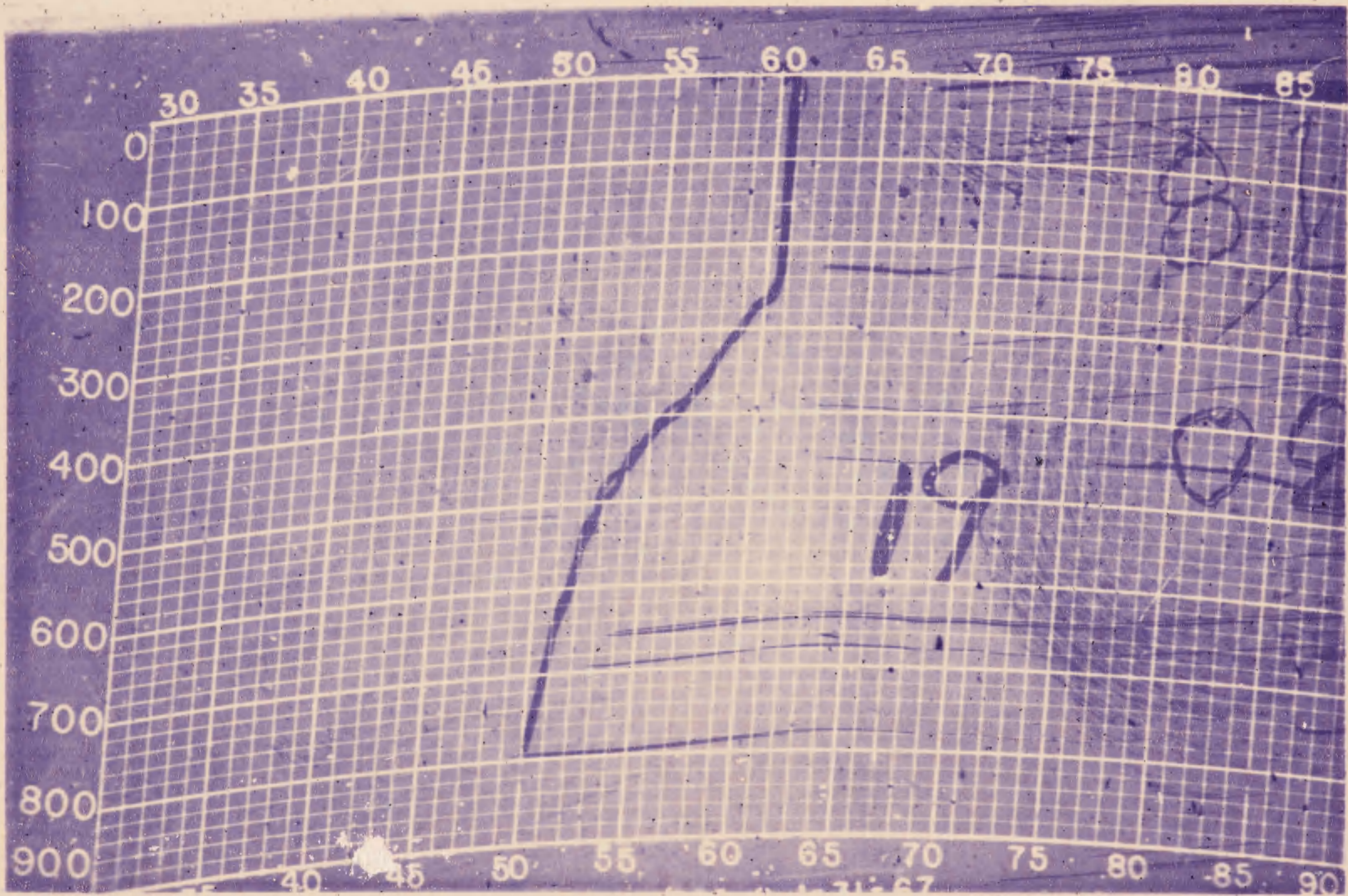
TCS - 3.2 DCS - 30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 6060 (REV 1956) Scripps Institution of Oceanography



SIO NO 885 20 KEY 32125

NODC NO 14995 CARD NO 17 GCT 2000 DATE I-8-68

VESSEL MARYSVILLE

LAT 32° 32' N LONG 125° 11' W DEPTH SPD

SURF T WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

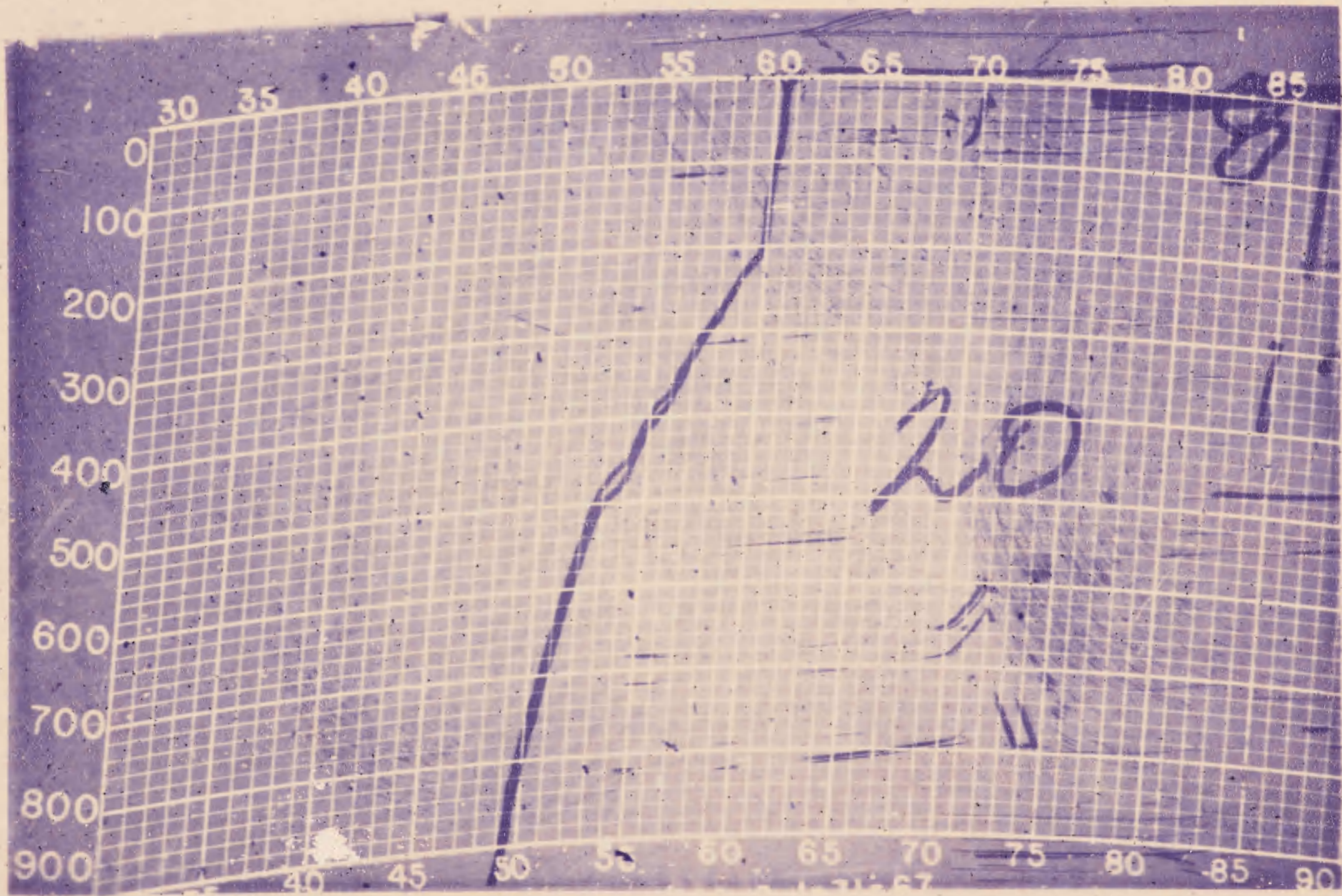
TCS - 3.2 DCS - 30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 6060 (REV 1956) Scripps Institution of Oceanography



SIO NO 885 21 KEY 32124

NODC NO 14995 CARD NO 18 GCT 0000 DATE I-9-68

VESSEL MARYSVILLE

LAT 32° 36' N LONG 124° 28' W DEPTH SPD

SURF T 60.1 K WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

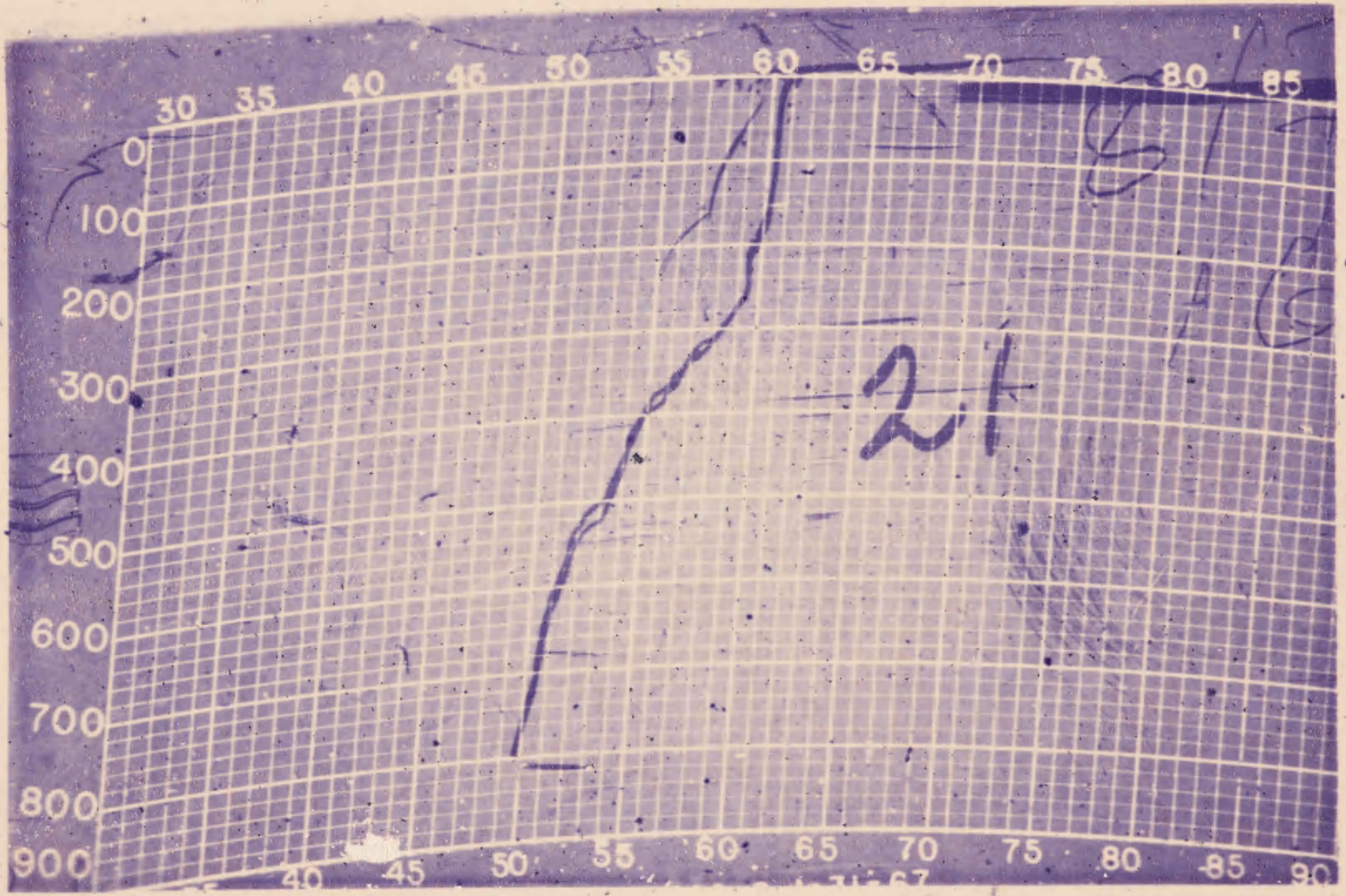
TCS - 3.2 DCS - 30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 6060 (REV 1956) Scripps Institution of Oceanography



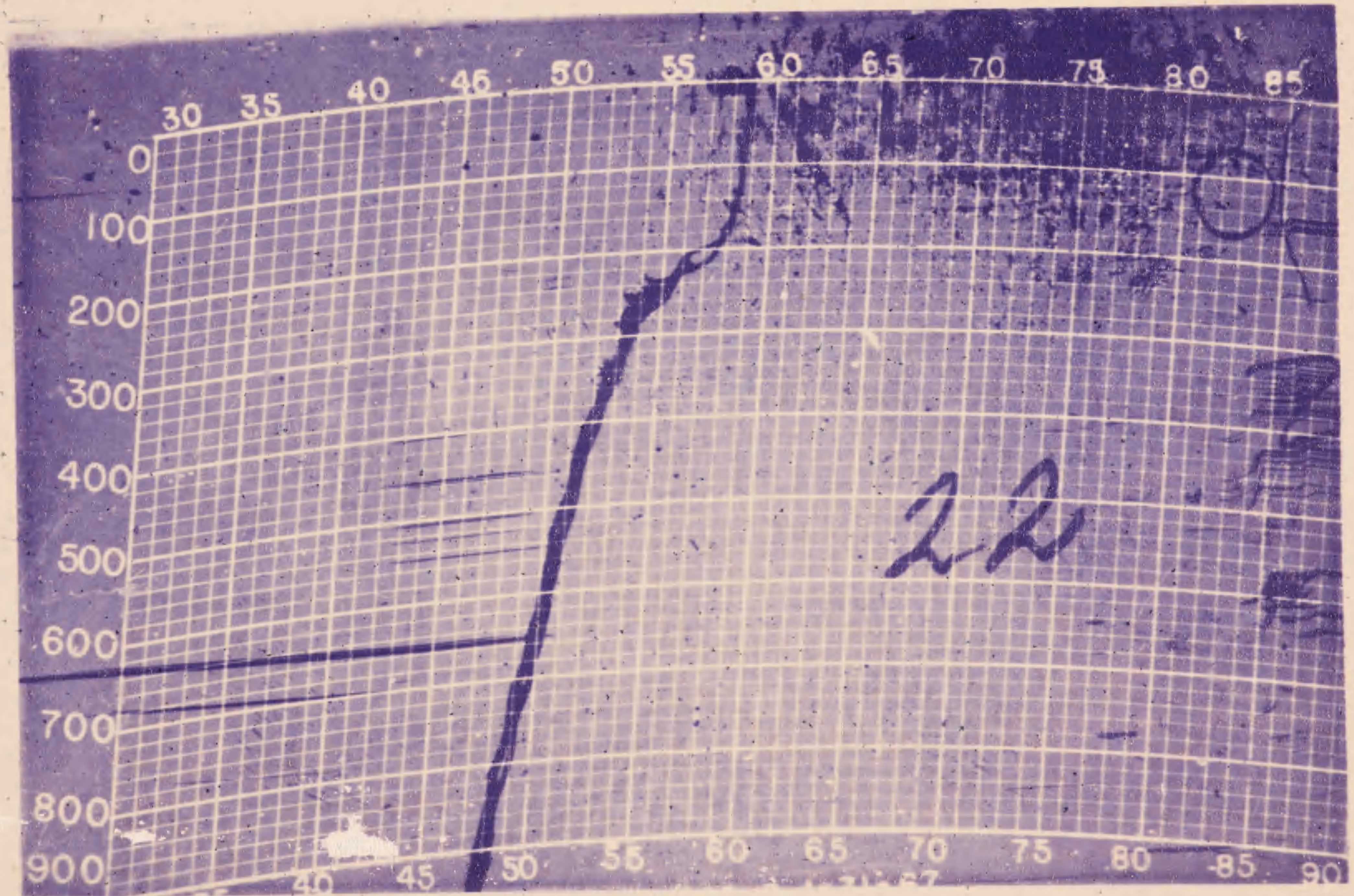
SIO NO 885 22 KEY 32123
NODC NO 14995 CARD NO 19 GCT 0400 DATE I-9-68
VESSEL MARYSVILLE
LAT 32°36' N LONG 123°26' W DEPTH SPD
SURF T 57.9 K WIND D F DRY T WET T
BAR WEA CL T C VIS SEA
SWELL DIR HT PER
TCS -3.2 DCS -30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606e (REV 1956) Scripps Institution of Oceanography



SIO NO

885

23

KEY

32122

NODC NO

14995

CARD NO

20

GCT 0800

DATE

I-9-68

VESSEL

MARYSVILLE

LAT

32° 34' N

LONG

122° 27' W

DEPTH

SPD

SURF T

57.0K

WIND D

F

DRY T

WET T

BAR

WEA

CL T

C

VIS

SEA

SWELL DIR

HT

PER

TCS

- 3.2

DCS

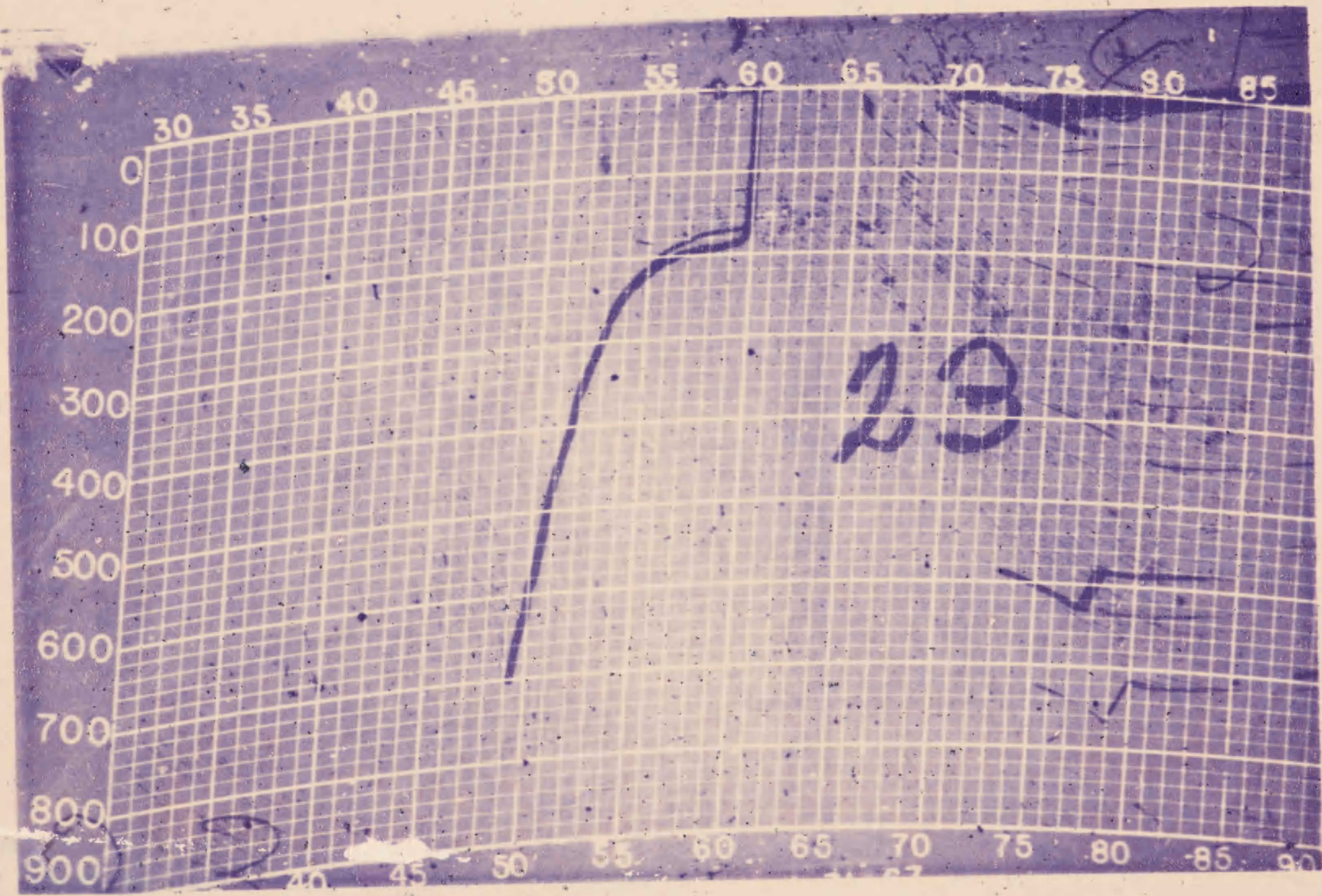
- 30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 885 24 KEY 31121
NODC NO 14995 CARD NO 21 GCT 1600 DATE I-9-68

VESSEL MARYSVILLE

LAT 31°48' N LONG 121°12' W DEPTH SPD

SURF T 60.1 K WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

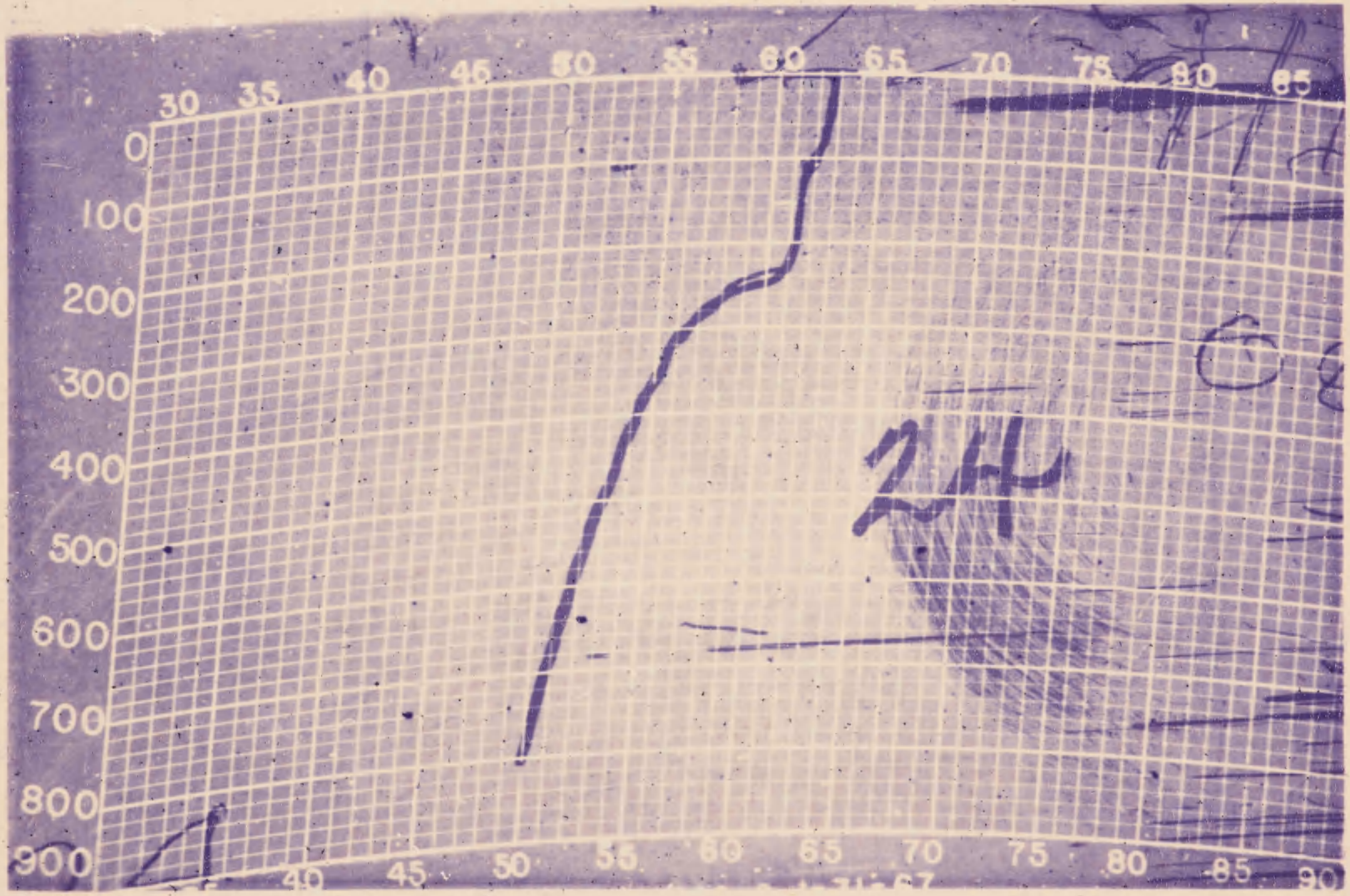
TCS - 3.2 DCS - 30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 09 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 885 25 KEY 31122

NODC NO 14995 CARD NO 22 GCT 2000 DATE I-9-68

VESSEL MARYSVILLE

LAT 31° 47' N LONG 122° 09' W DEPTH SPD

SURF T 60.1 K WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

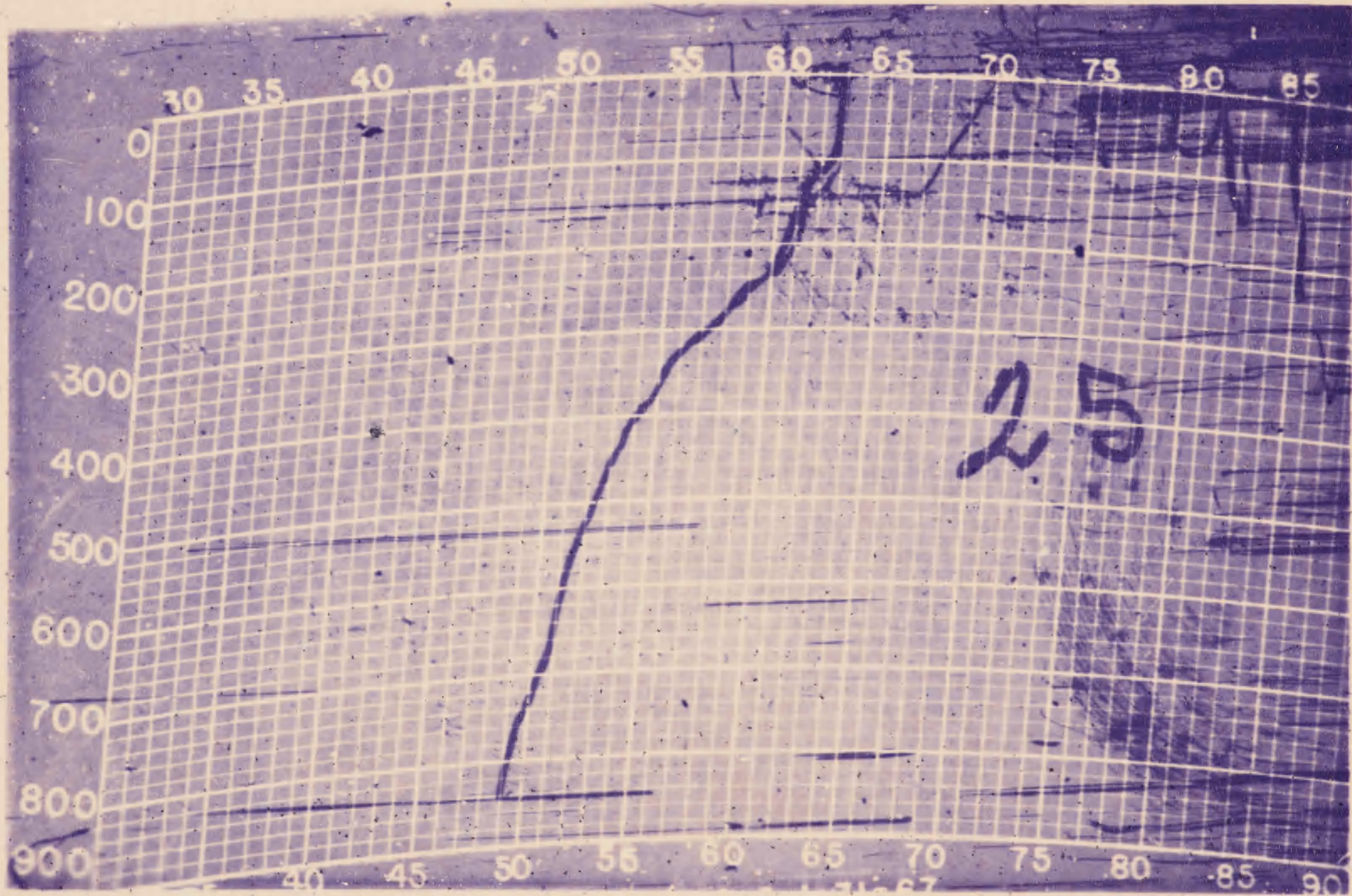
TCS - 3.2 DCS - 30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606e (REV 1956) Scripps Institution of Oceanography



SIO NO 885 26 KEY 31122

NODC NO 14995 CARD NO 23 GCT 0000 DATE I-10-68

VESSEL MARYSVILLE

LAT 31°46' N LONG 122°57' W DEPTH SPD

SURF T 64.0 K WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

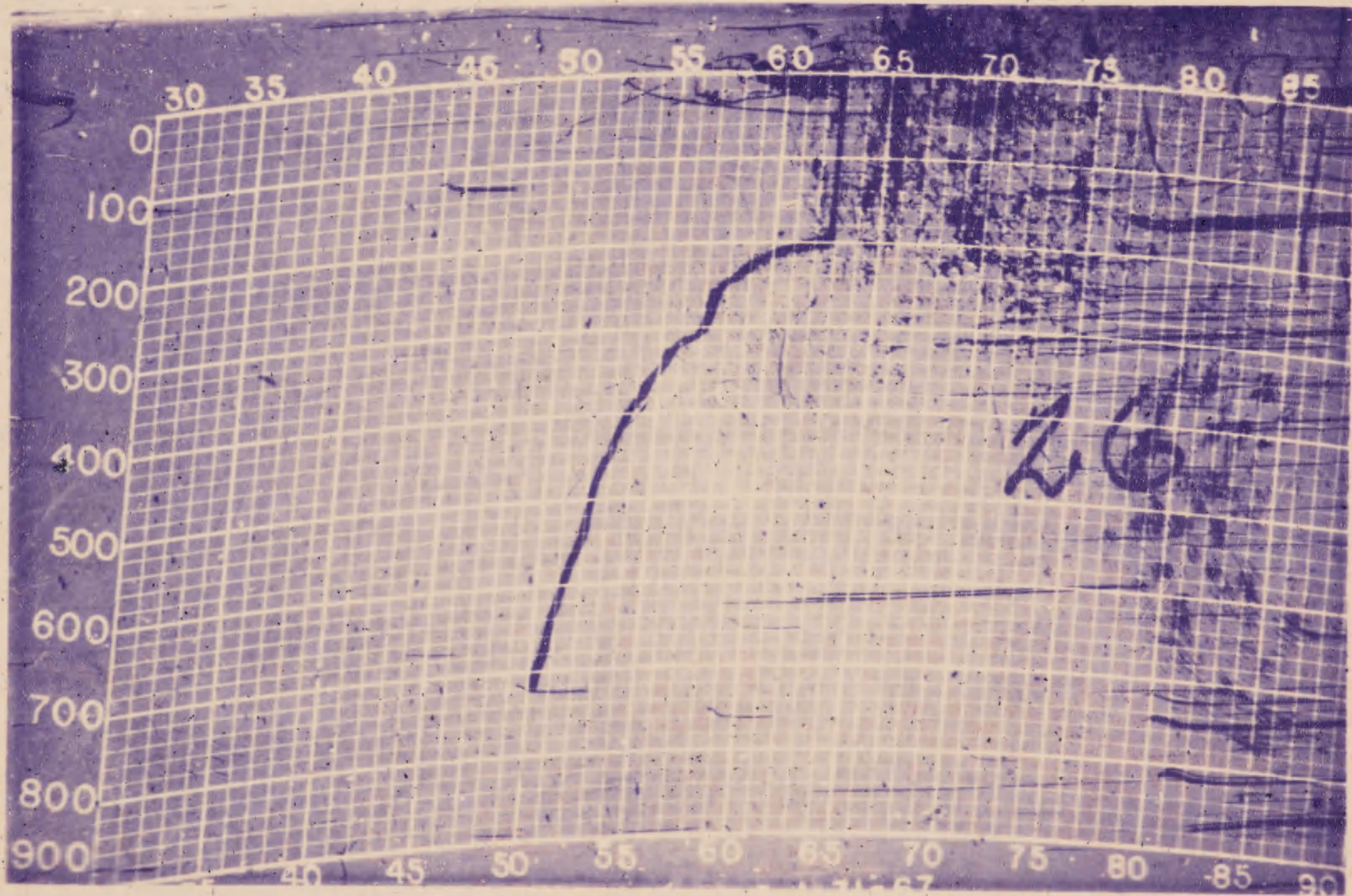
TCS - 3.2 DCS - 30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 885 27 KEY 31123
NODC NO 14995 CARD NO 24 GCT 0400 DATE I-10-68

VESSEL MARYSVILLE

LAT 31° 45' N LONG 123° 54' W DEPTH SPD

SURF T 62.1 K WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

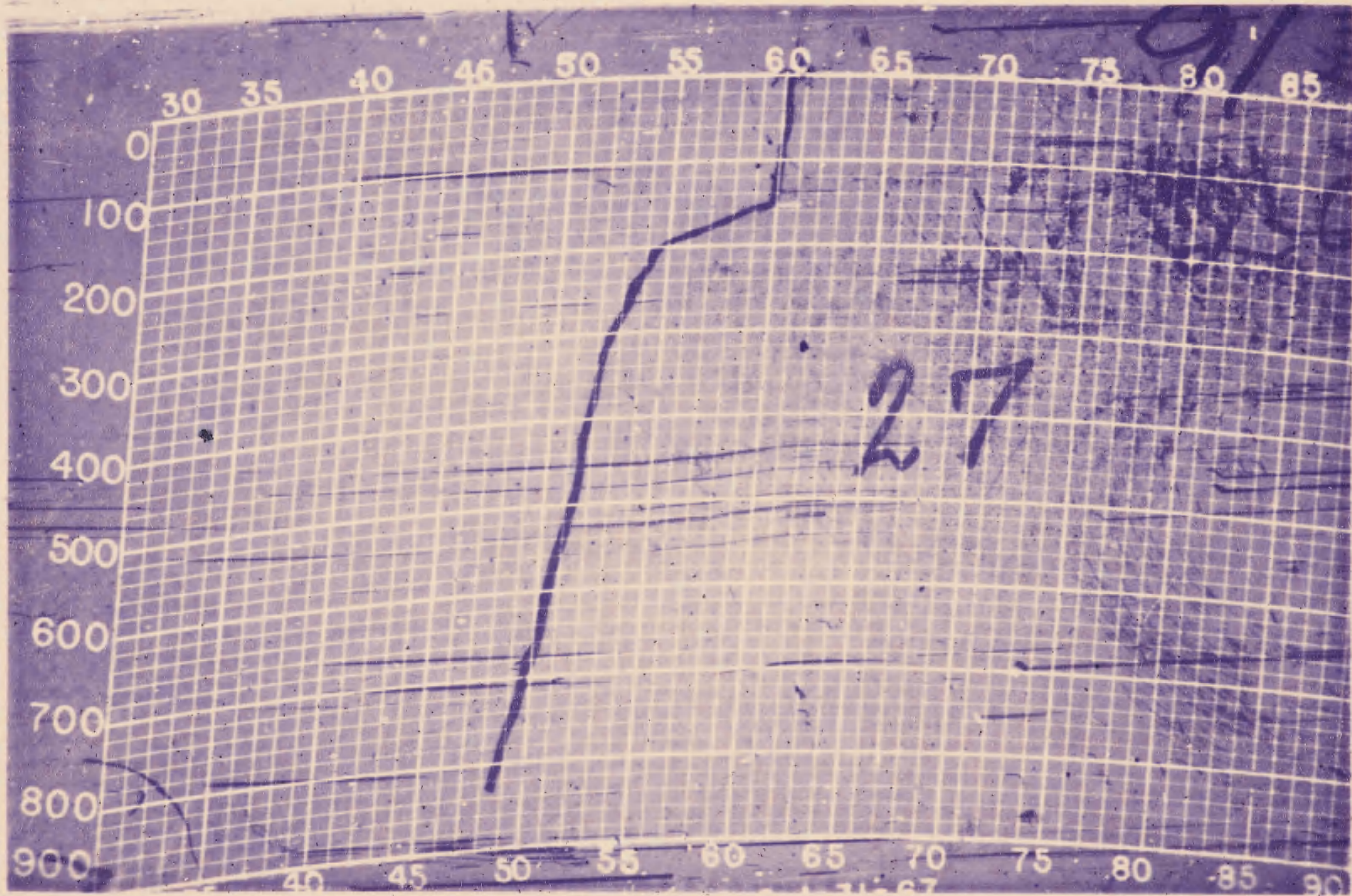
TCS - 3.2 DCS - 30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 885 28 KEY 31124

NODC NO 14995 CARD NO 25 GCT 0800 DATE I-10-68

VESSEL MARYSVILLE

LAT 31° 45' N LONG 124° 50' W DEPTH SPD

SURF T 62.1 K WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

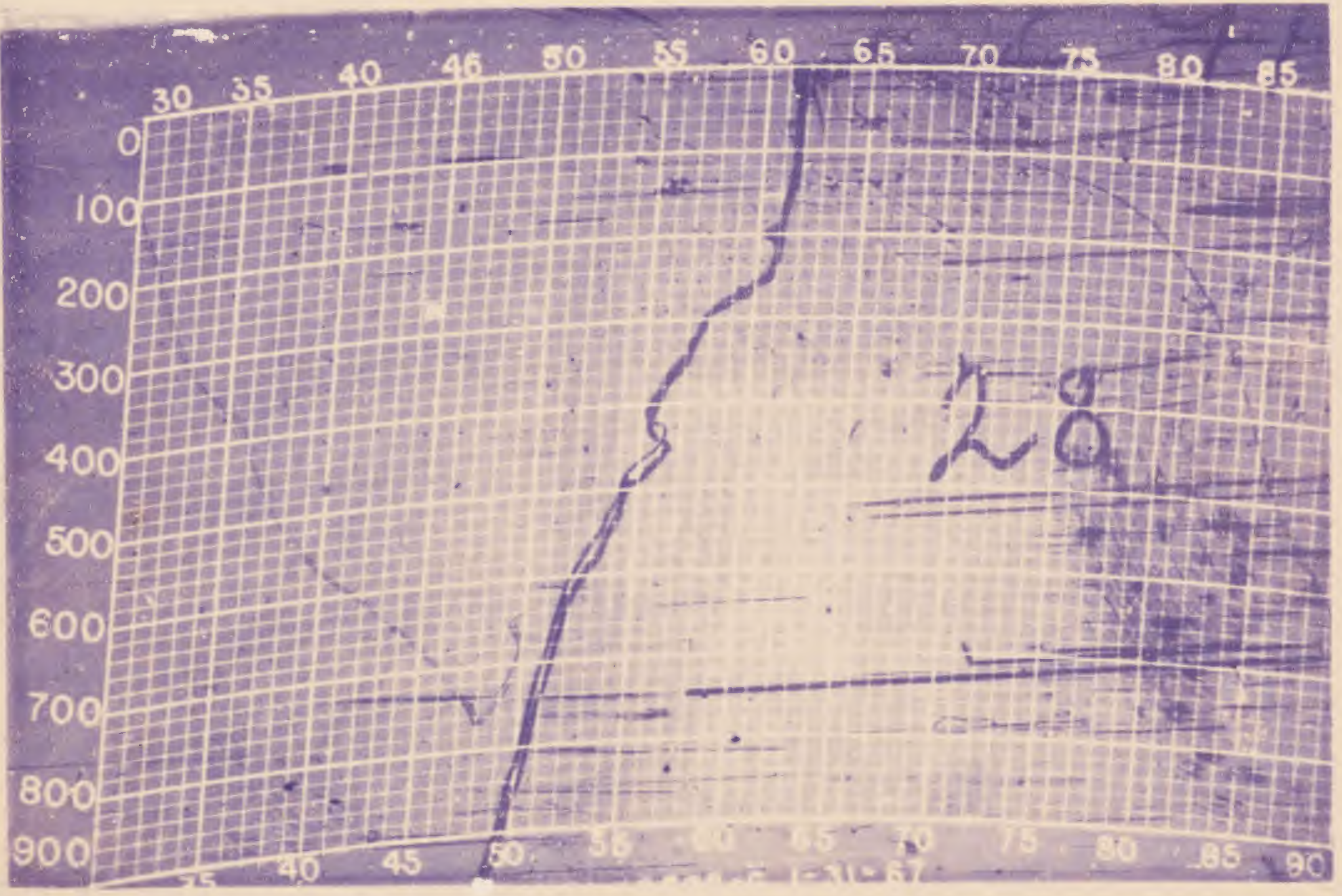
TCS -3.2 DCS -30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 885 29 KEY 30125

NODC NO 14995 CARD NO 26 GCT 2000 DATE I-10-68

VESSEL MARYSVILLE

LAT 30° 53' N LONG 125° 39' W DEPTH SPD

SURF T 62.1 K WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

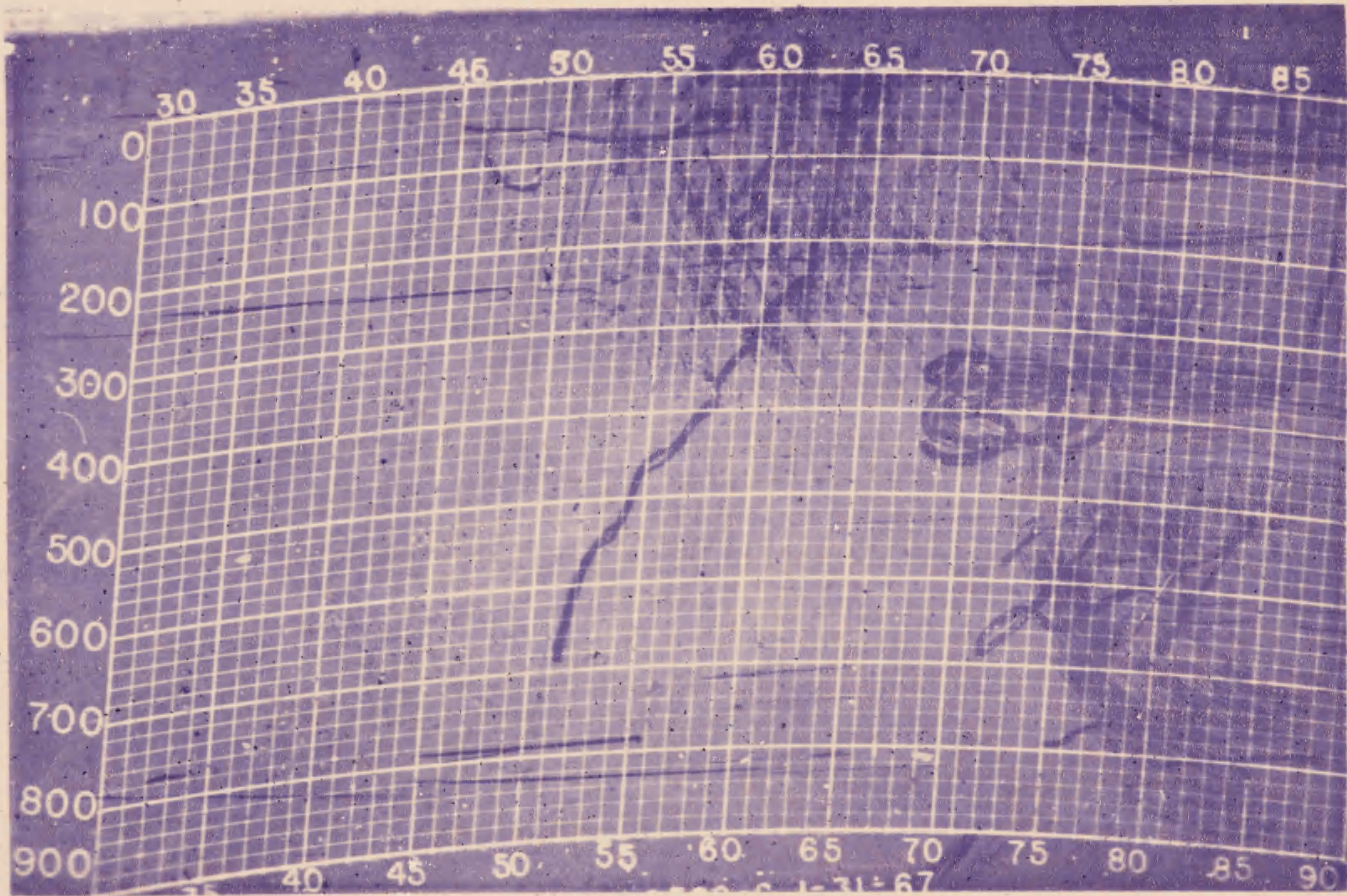
TCS - 3.2 DCS - 30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



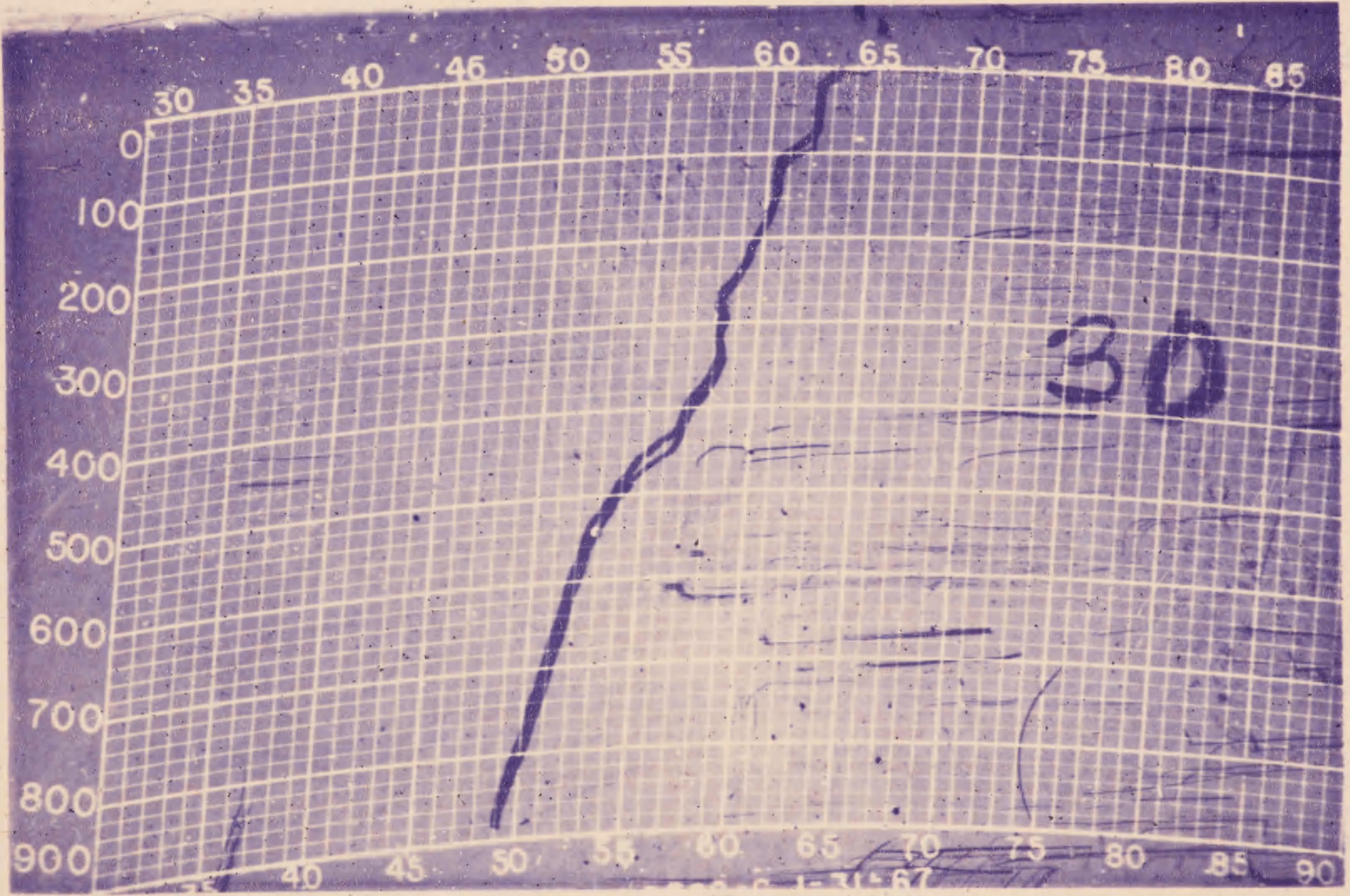
SIO NO 885 30 KEY 30124
NODC NO 14995 CARD NO 27 GCT 0000 DATE I-11-68
VESSEL MARYSVILLE
LAT 30°53' N LONG 124°52' W DEPTH SPD
SURF T 62.1 K WIND D F DRY T WET T
BAR WEA CL T C VIS SEA
SWELL DIR HT PER
TCS - 3.2 DCS - 30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606e (REV 1956) Scripps Institution of Oceanography



30

1-31-67

SIO NO 885 31 KEY 30124

NODC NO 14995 CARD NO 28 GCT 0400 DATE I-11-68

VESSEL MARYSVILLE

LAT 30° 53' N LONG 124° 02' W DEPTH SPD

SURF T 61.0 K WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

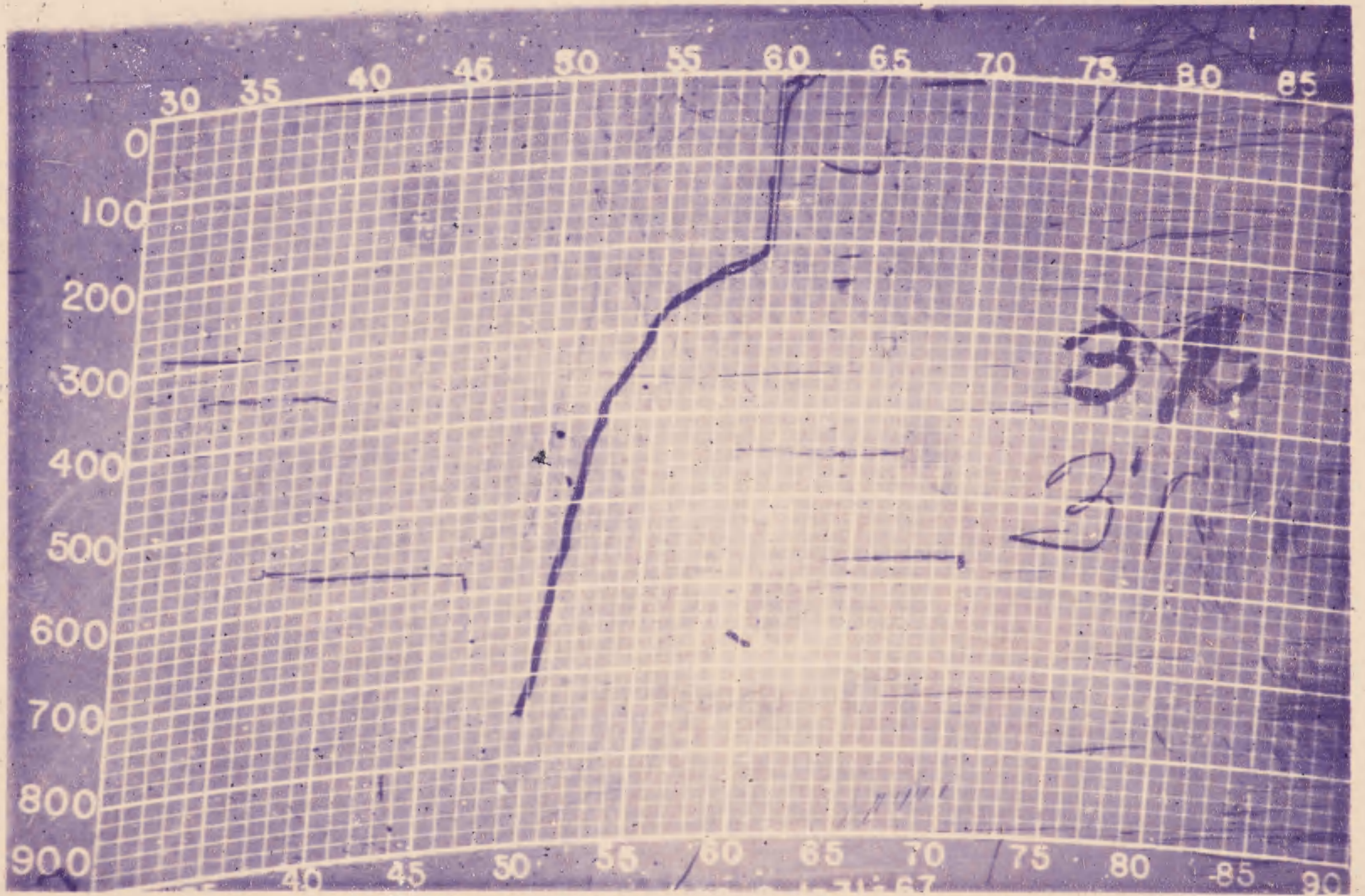
TCS - 3.2 DCS - 30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 885 32 KEY 30123

NODC NO 14995 CARD NO 29 GCT 0800 DATE I-11-68

VESSEL MARYSVILLE

LAT 30°55' N LONG 123°20' W DEPTH SPD

SURF T 60.1 K WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

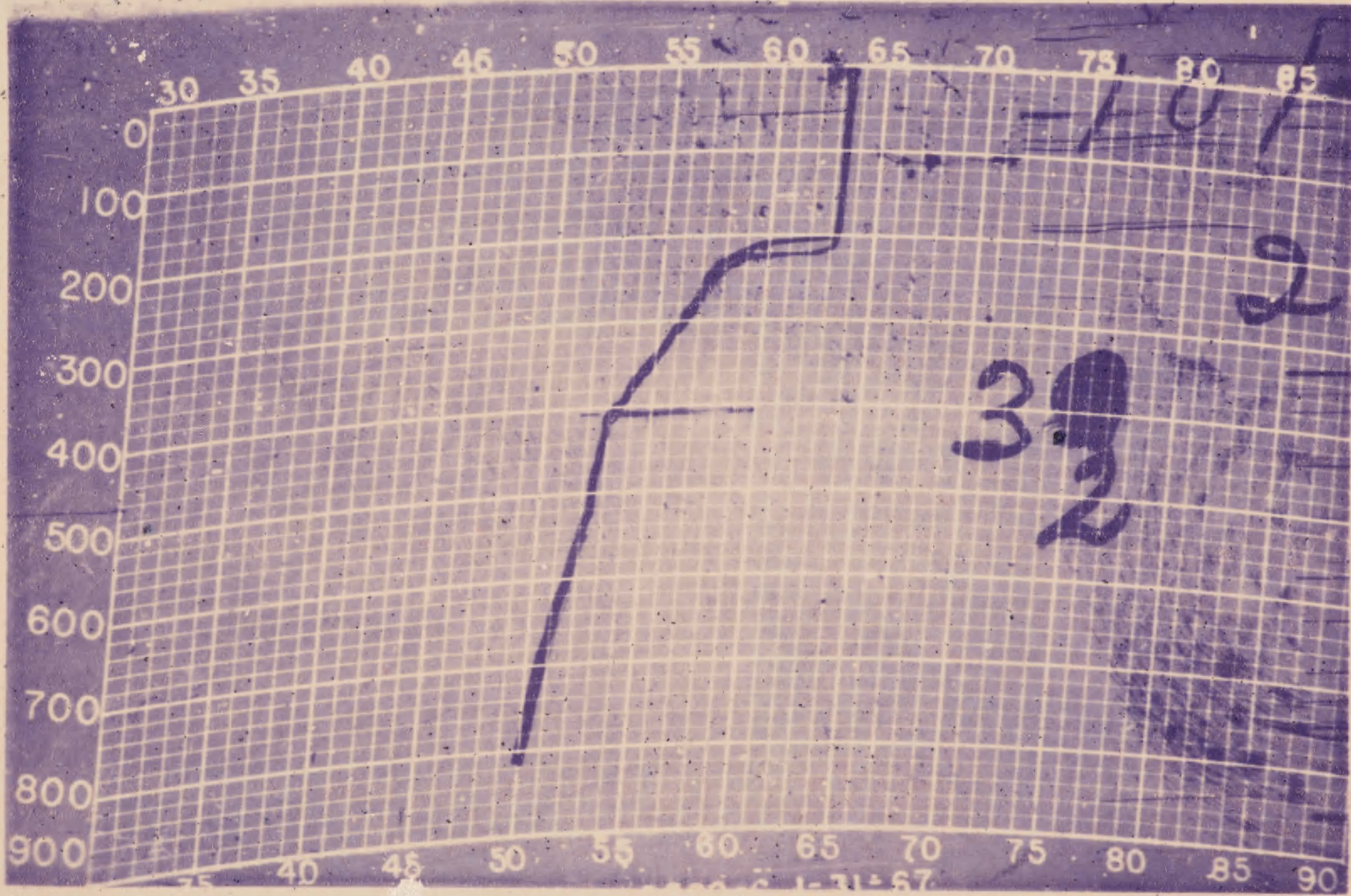
TCS - 3.2 DCS - 30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography

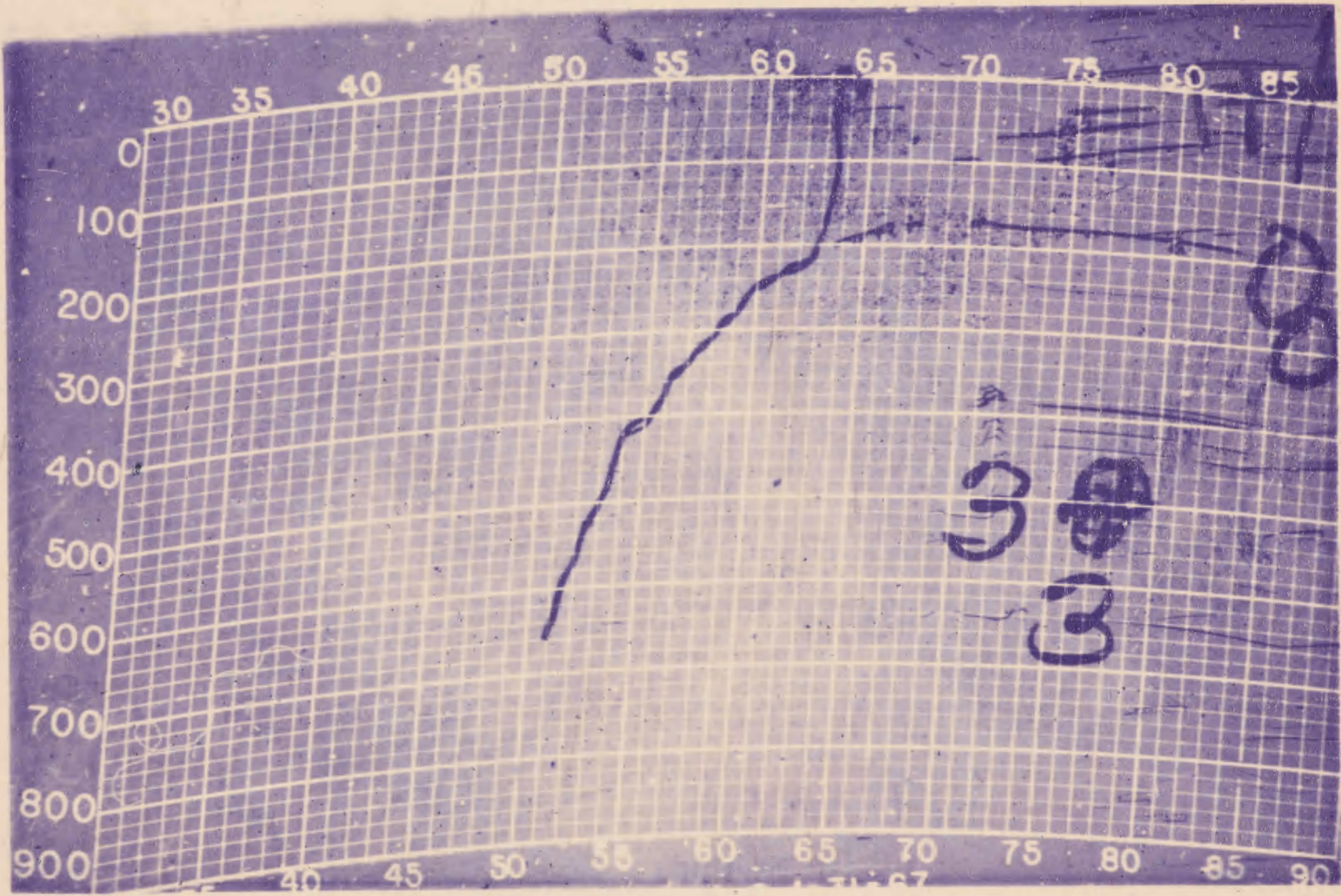


SIO NO 885 33 KEY 30122
NODC NO 14995 CARD NO 30 GCT 1600 DATE I-11-68
VESSEL MARYSVILLE
LAT 30°54' N LONG 122°27' W DEPTH SPD
SURF T 61.0 K WIND D F DRY T WET T
BAR WEA CL T C VIS SEA
SWELL DIR HT PER
TCS - 3.2 DCS - 30'

TCS BASED ON MEAN TEMP.

WMO Codes Used

SEP 03 1968



Miss Pyle

Miss Hastings

SIO NO 884 1 KEY 34120

NODC NO 14994 CARD NO 1 GCT 0000 DATE XII-15-67

VESSEL REXBURG

LAT 34° 26' N LONG 120° 38' W DEPTH SPD

SURF T 55.9 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

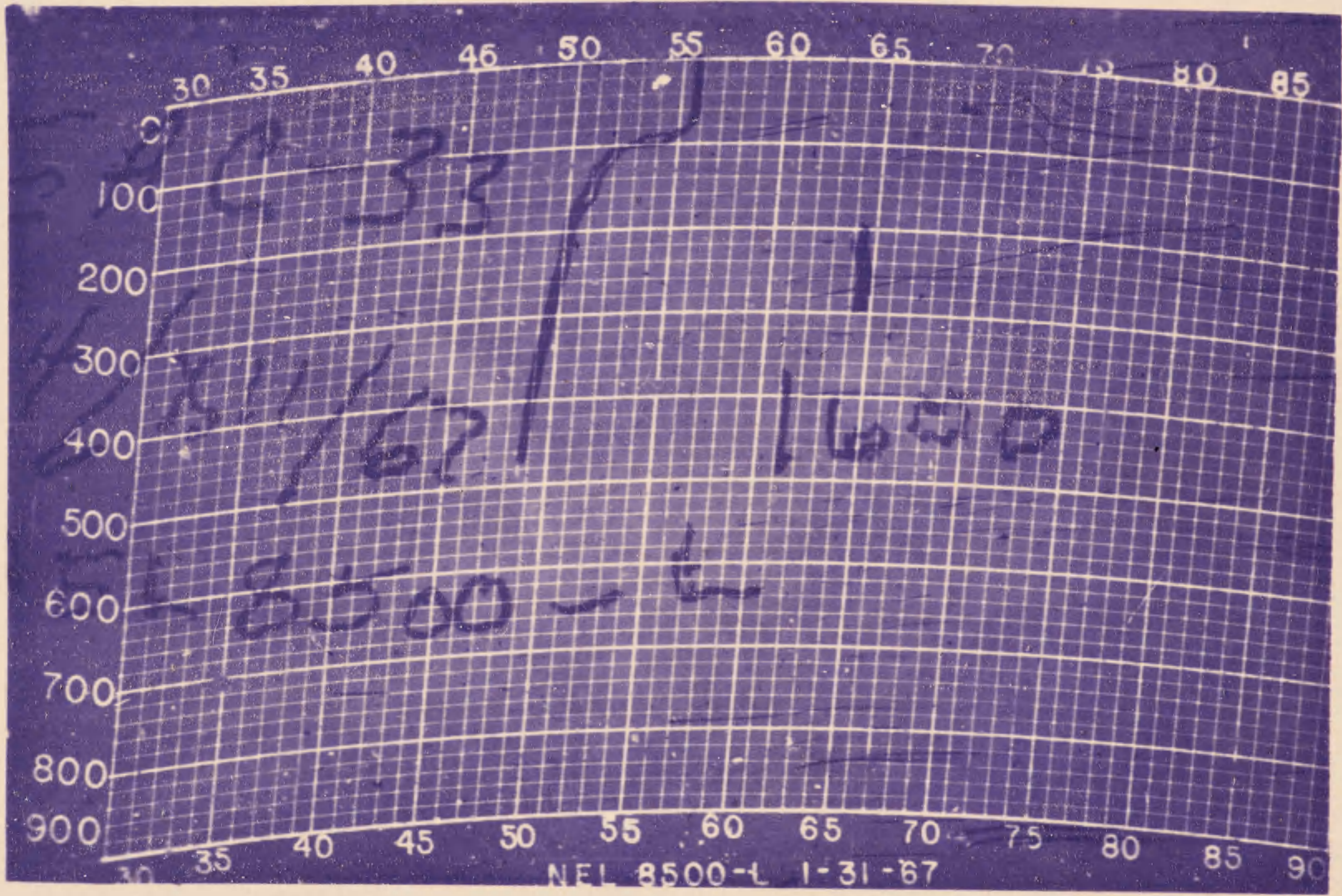
SWELL DIR HT PER

TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 6060 (REV 1956) Scripps Institution of Oceanography



33

67

1600

8500-L

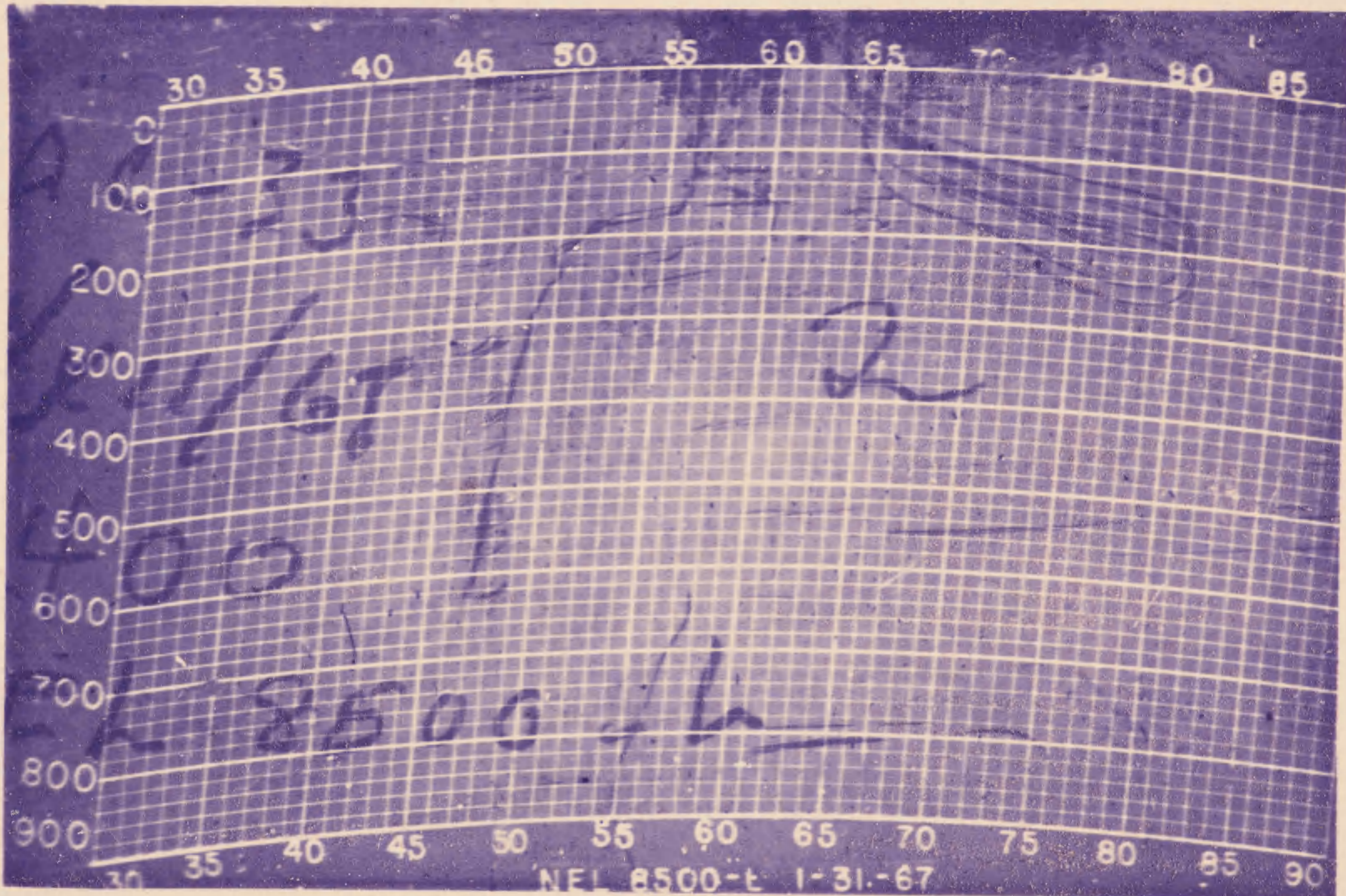
NEL 8500-L 1-31-67

SIO NO 884 2 KEY 34122
 NODC NO 14994 CARD NO 2 GCT 0800 DATE XII-15-67
 VESSEL REXBURG
 LAT 34°55' N LONG 122° 12' W DEPTH _____ SPD _____
 SURF T 56.3 R WIND D _____ F _____ DRY T _____ WET T _____
 BAR _____ WEA _____ CL T _____ C _____ VIS _____ SEA _____
 SWELL DIR _____ HT _____ PER _____
 TCS -0.5 R DCS 0

WMO Codes Used

SEP 08 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



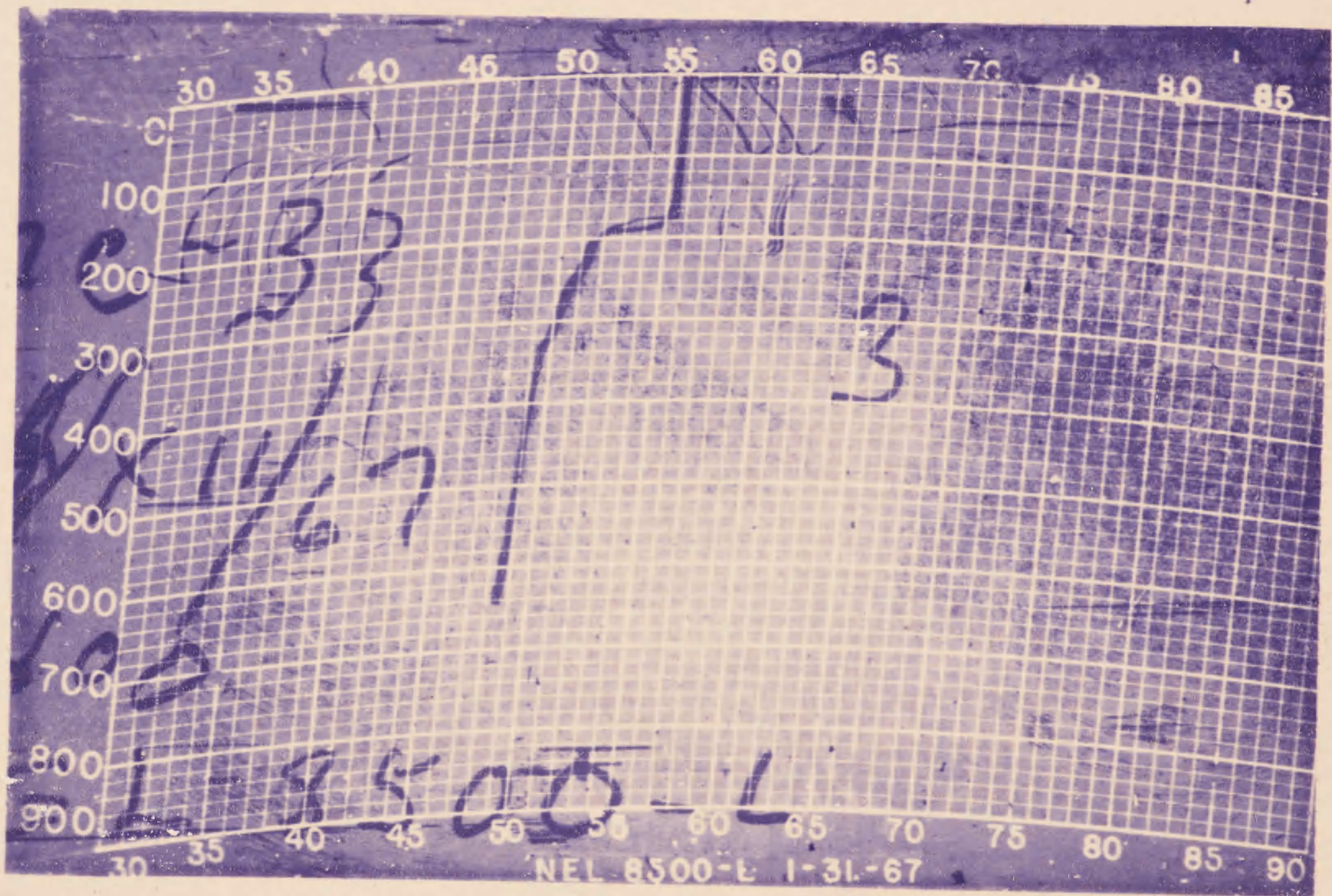
NEL 8500-t 1-31-67

SID NO 884 3 KEY 35123
 NODC NO 14994 CARD NO 3 GCT 1200 DATE XII-15-67
 VESSEL REXBURG
 LAT 35°02' N LONG 123°05' W DEPTH SPD
 SURF T 55.4 R WIND D F DRY T WET T
 BAR WEA CL T C VIS SEA
 SWELL DIR HT PER
 TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

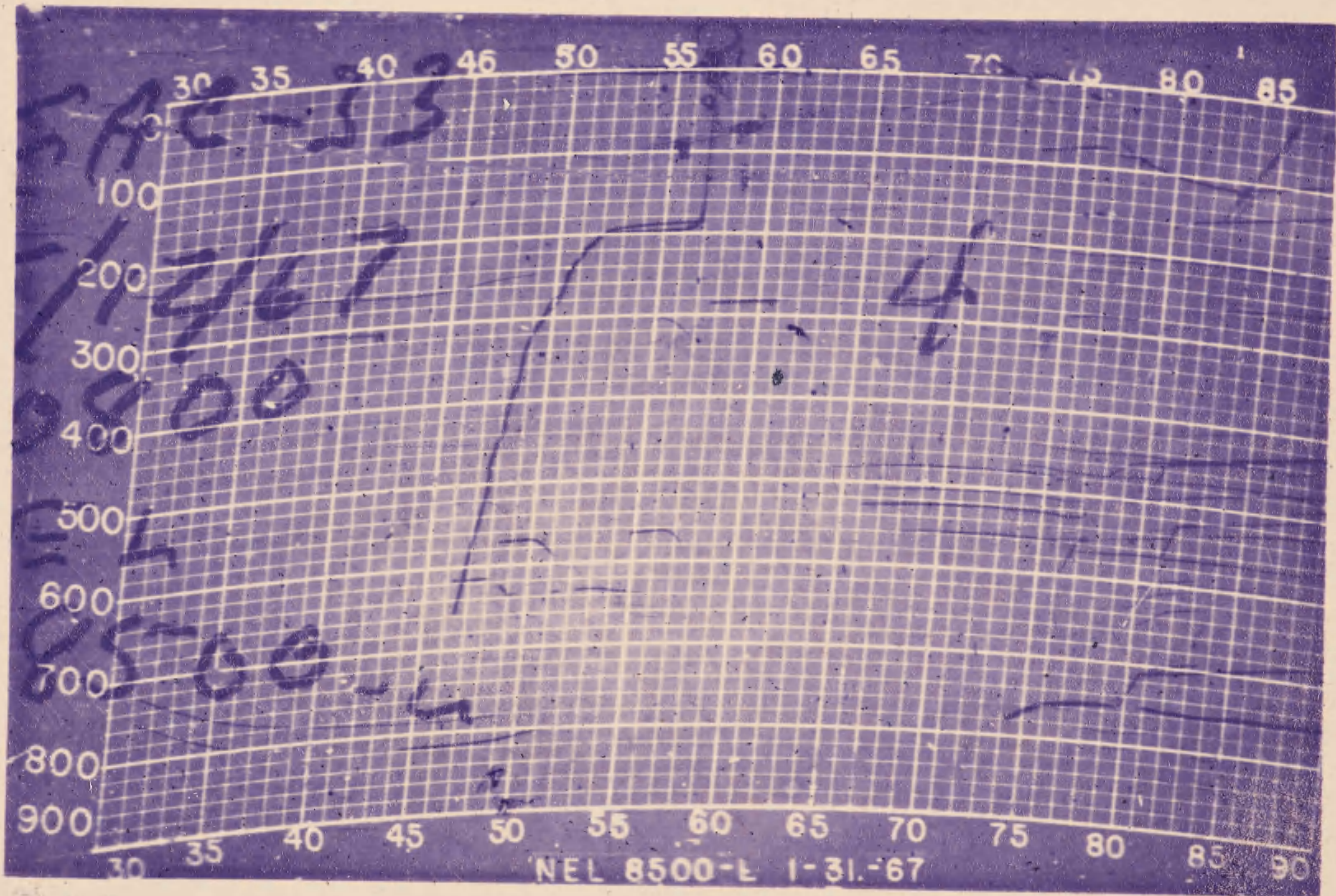
CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 884 4 KEY 34124
 NODC NO 14994 CARD NO 4 GCT 1600 DATE XII-15-67
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 LAT 34°57' N LONG 124°13' W DEPTH _____ SPD _____
 SURF T 57.0 R WIND D _____ F _____ DRY T _____ WET T _____
 BAR _____ WEA _____ CL T _____ C _____ VIS _____ SEA _____
 SWELL DIR _____ HT _____ PER _____
 TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968



SIO NO 884 5 KEY 35124

NODC NO 14994 CARD NO 5 GCT 2000 DATE XII-15-67

VESSEL REXBURG

LAT 35°08' N LONG 124°46' W DEPTH SPD

SURF T 57.0 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

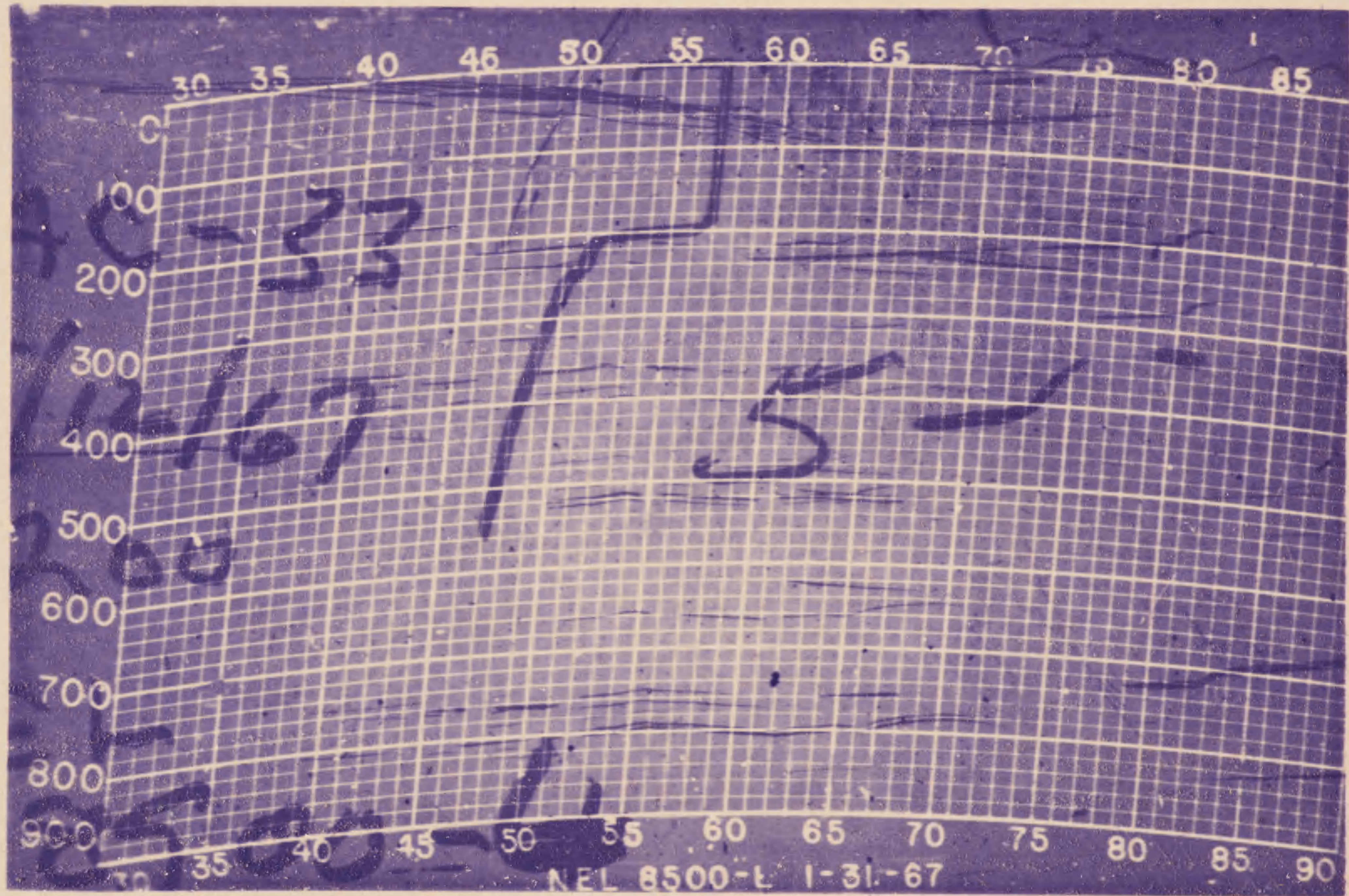
SWELL DIR HT PER

TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



NEL 8500-E 1-31-67

SIO NO 884 6 KEY 35125

NODC NO 14994 CARD NO 6 GCT 0000 DATE XII-16-67

VESSEL REXBERG

LAT 35° 03' N LONG 125° 36' W DEPTH SPD

SURF T 57.4 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

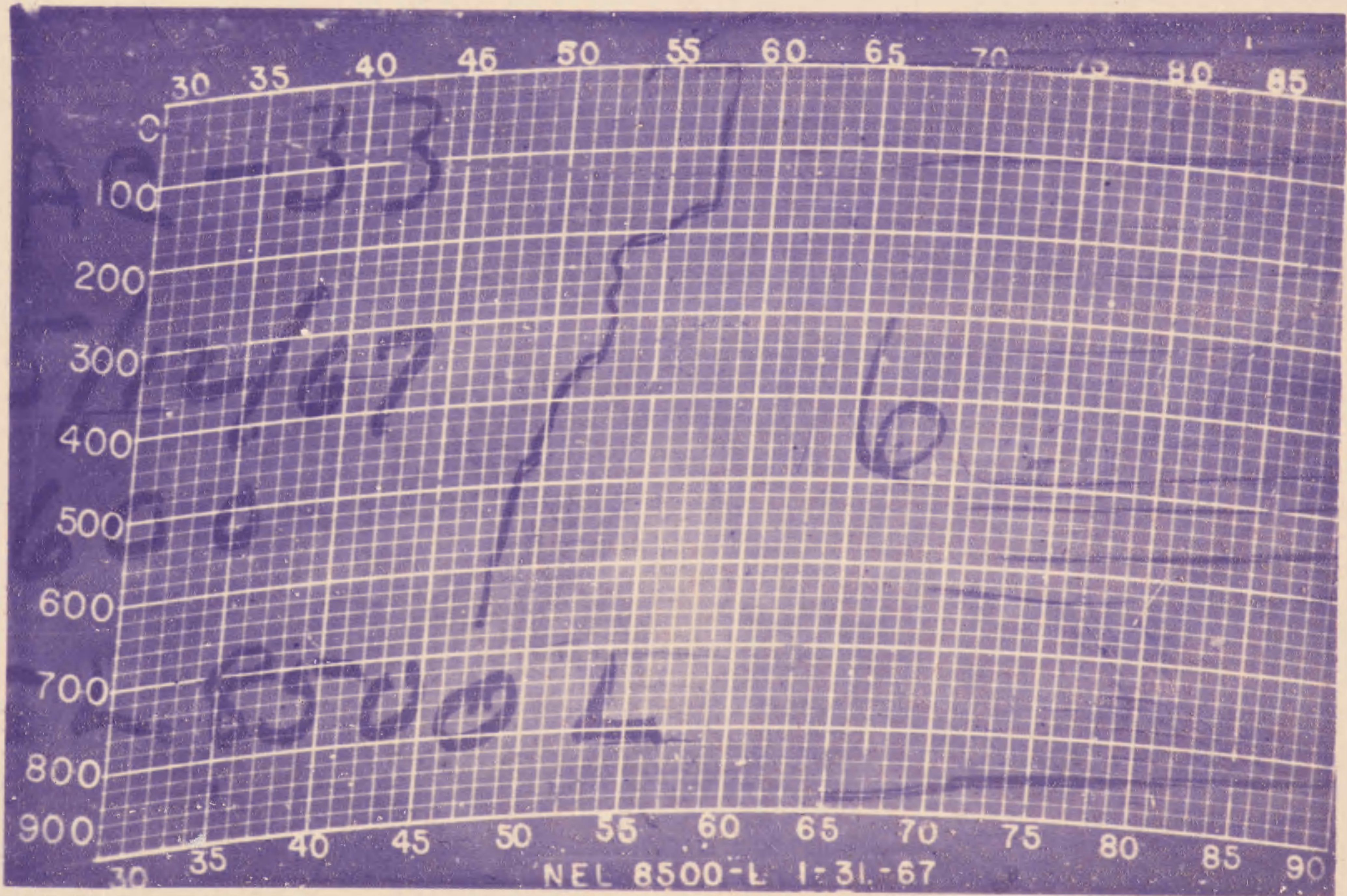
SWELL DIR HT PER

TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606e (REV 1956) Scripps Institution of Oceanography



NEL 8500-L 1-31-67

SIO NO 884 7 KEY 34126

NODC NO 14994 CARD NO 7 GCT 0400 DATE XII-16-67

VESSEL REXBURG

LAT 34°57' N LONG 126°30' W DEPTH SPD

SURF T 59.9 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

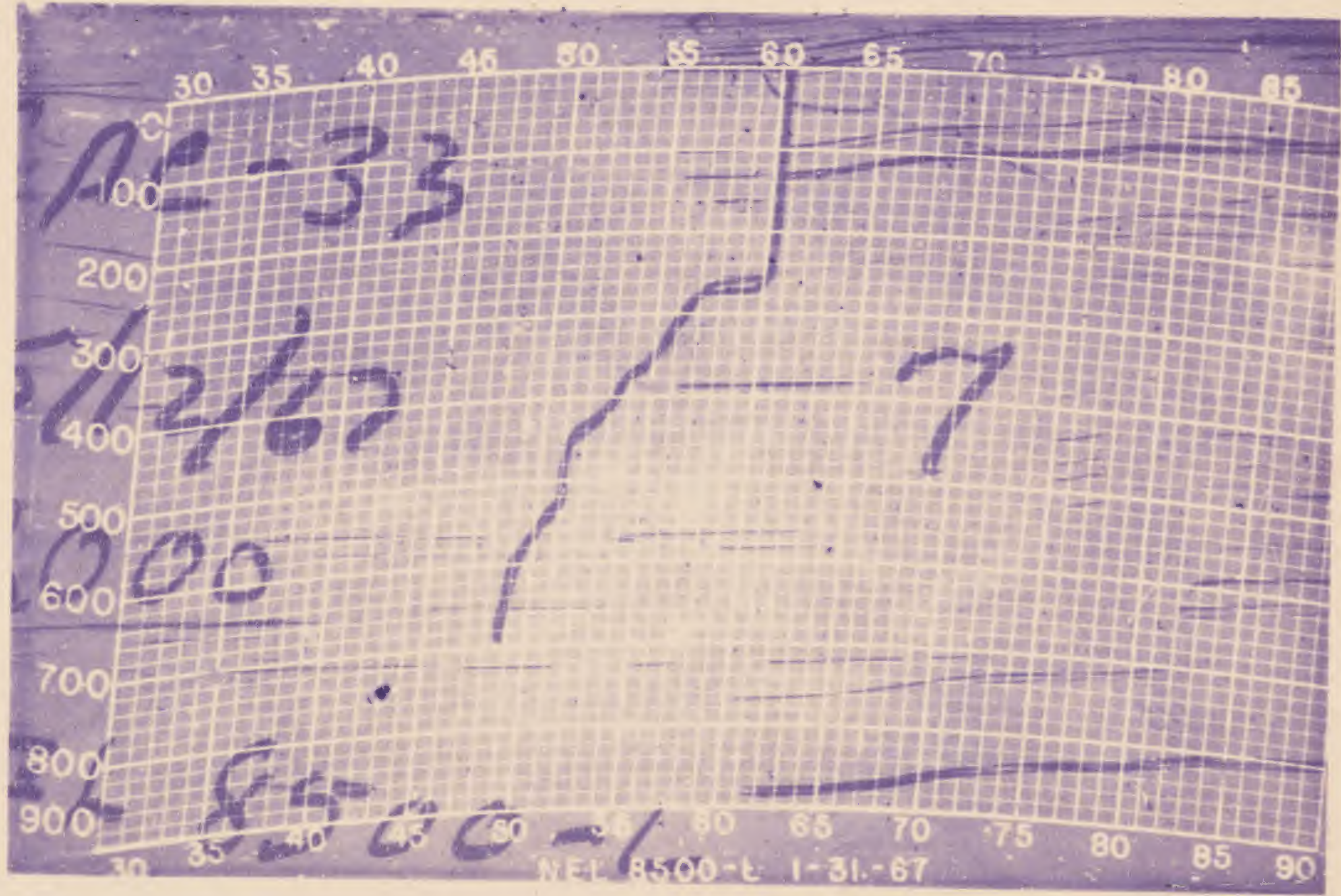
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WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 6060 (REV 1956) Scripps Institution of Oceanography

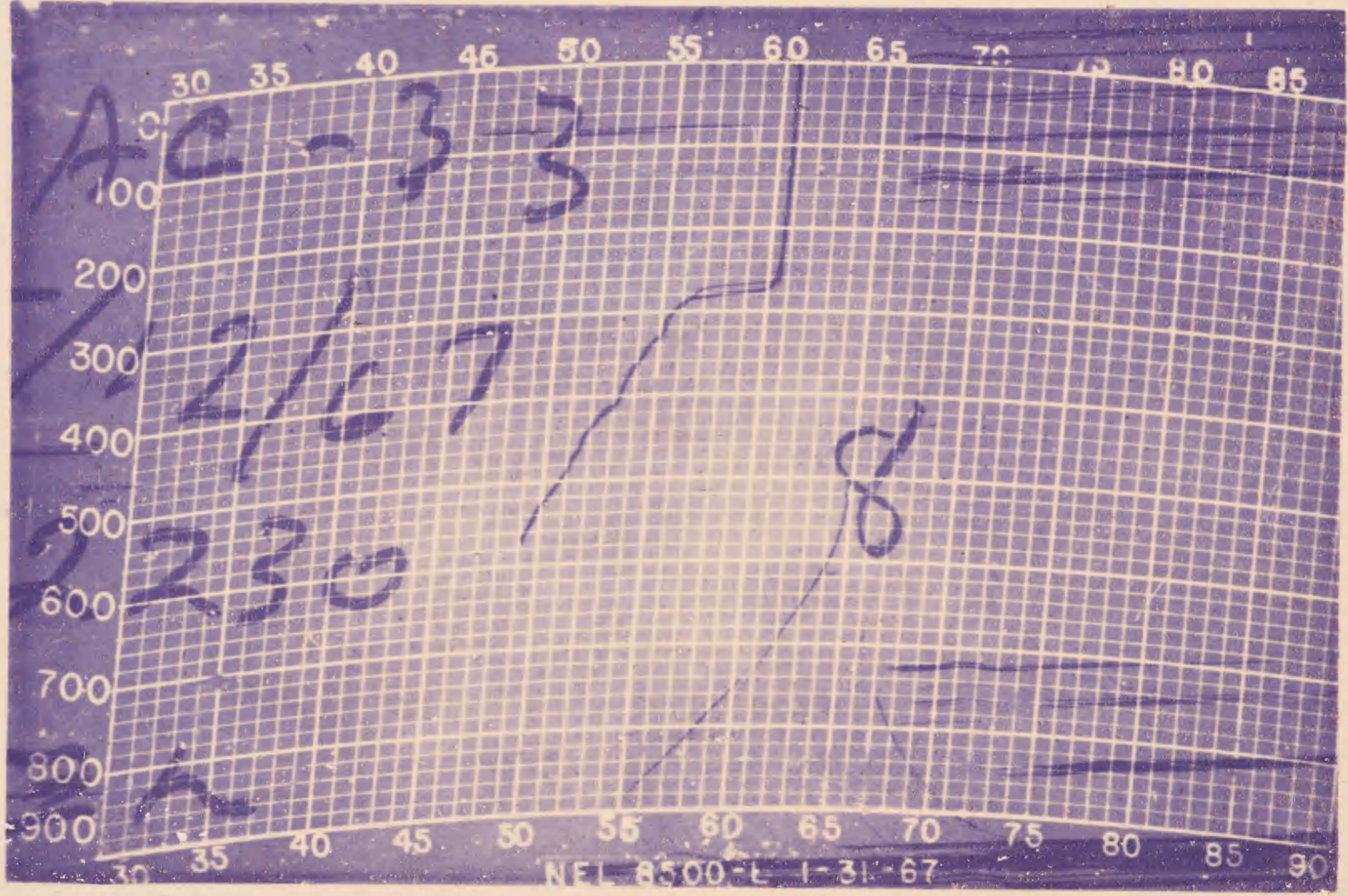


SIO NO 884 KEY 8 34126
 NODC NO 14994 CARD NO 8 GCT 0630 DATE XII-16-67
 VESSEL REXBURG
 LAT 34° 31' N LONG 126° 29' W DEPTH _____ SPD _____
 SURF T 61.0 R WIND D _____ F _____ DRY T _____ WET T _____
 BAR _____ WEA _____ CL T _____ C _____ VIS _____ SEA _____
 SWELL DIR _____ HT _____ PER _____
 TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 6060 (REV 1956) Scripps Institution of Oceanography



NEL 8500-E 1-31-67

SIO NO 884 9 KEY 34125

NODC NO 14994 CARD NO 9 GCT 1200 DATE XII-16-67

VESSEL REXBURG

LAT 34° 10' N LONG 125° 32' W DEPTH SPD

SURF T 57.6 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

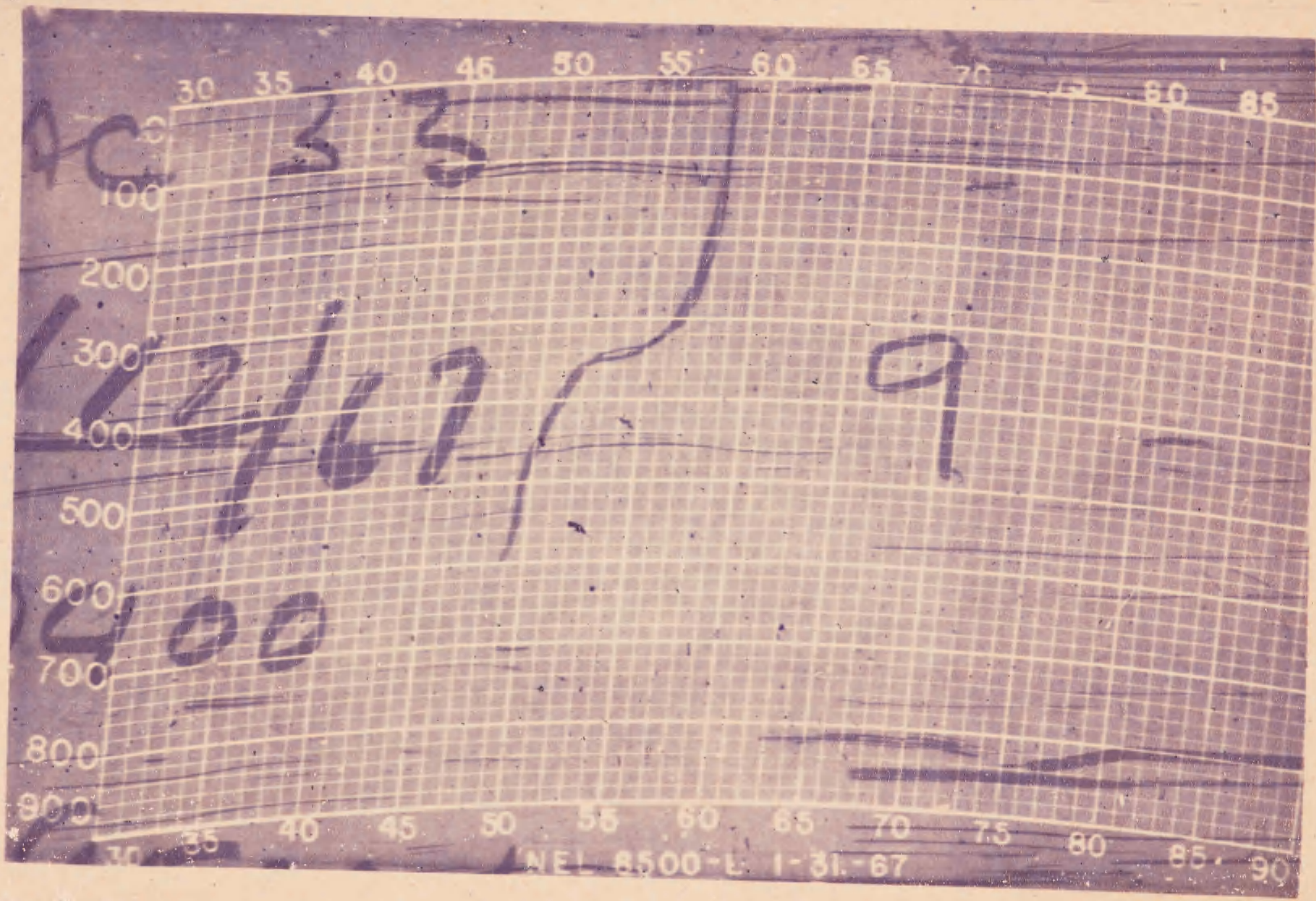
SWELL DIR HT PER

TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 6060 (REV 1956) Scripps Institution of Oceanography



SIO NO 884 10 KEY 34124

NODC NO 14994 CARD NO 10 GCT 1600 DATE XII-16-67

VESSEL REXBURG

LAT 34° 05' N LONG 124° 45' W DEPTH SPD

SURF T 55.9 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

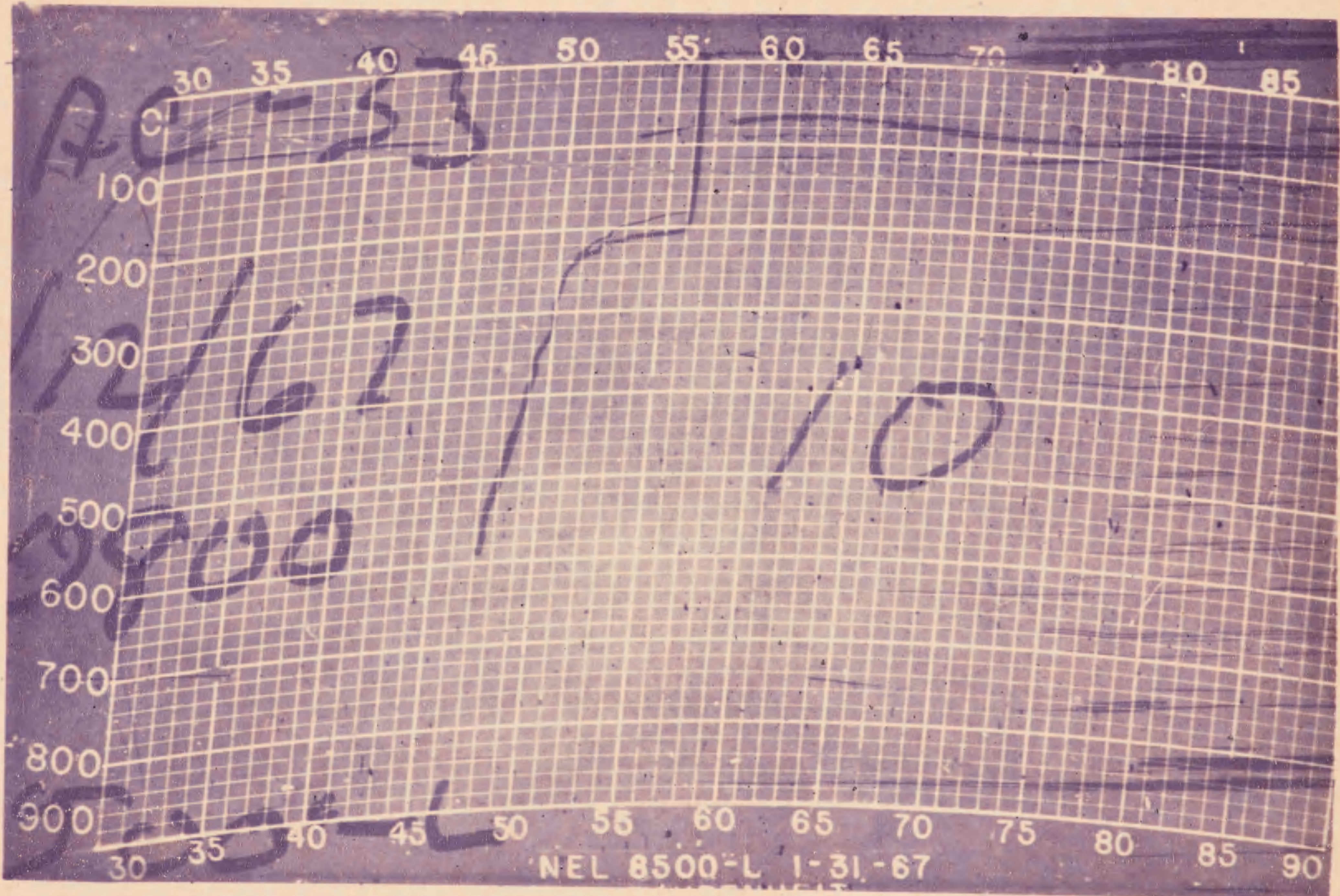
SWELL DIR HT PER

TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606e (REV 1956) Scripps Institution of Oceanography



NEL 8500-L 1-31-67

SIO NO 884 11 KEY 34123

NODC NO 14994 CARD NO 11 GCT 2000 DATE XII-16-67

VESSEL REXBURG

LAT 34°12' N LONG 123°52' W DEPTH SPD

SURF T 57.9R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

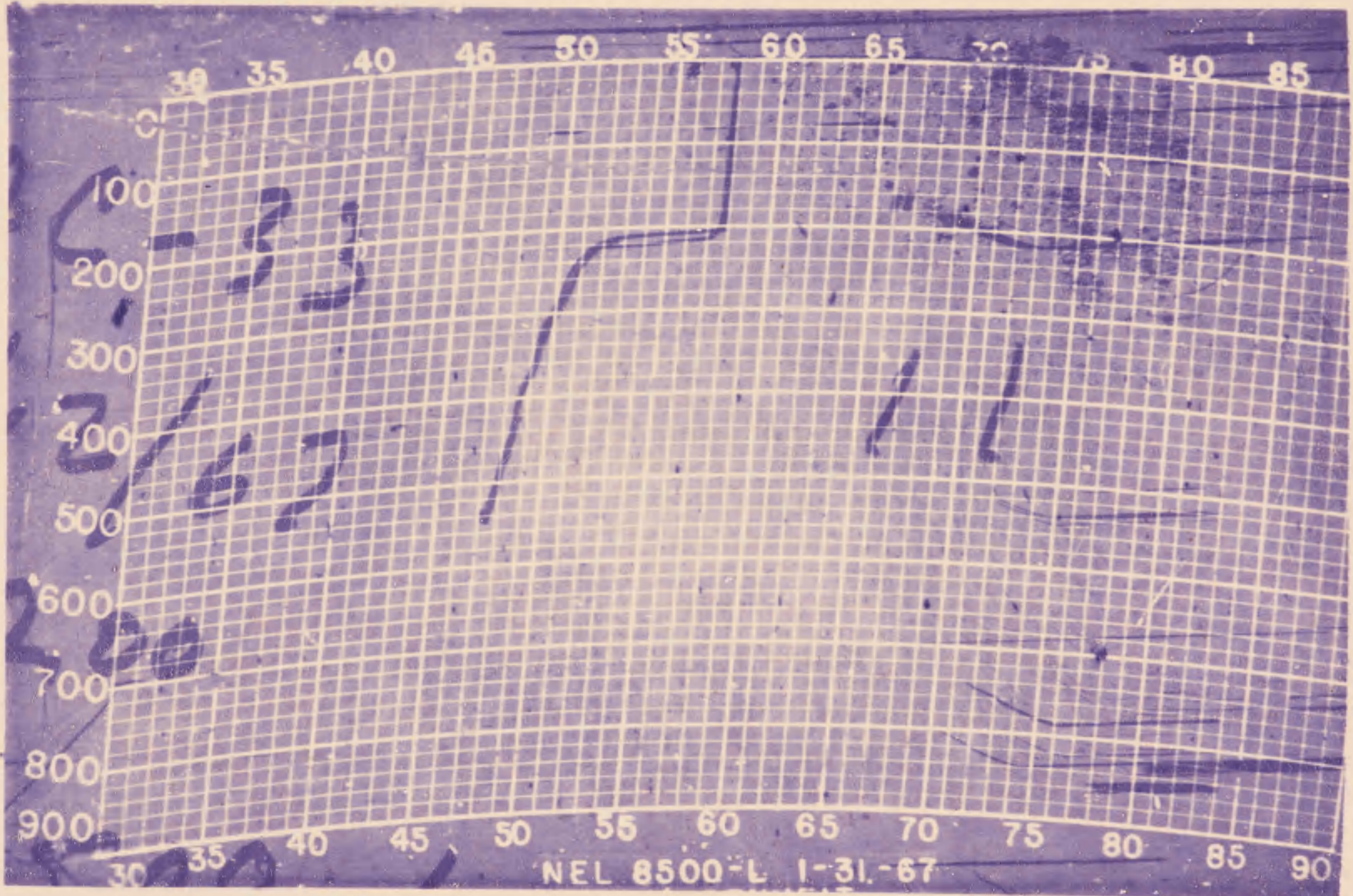
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WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



NEL 8500-L 1-31-67

SIO NO 884 12 KEY 34123

NODC NO 14994 CARD NO 12 GCT 0000 DATE XII-17-67

VESSEL REXBURG

LAT 34°13' N LONG 123°06' W DEPTH SPD

SURF T 57.2 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

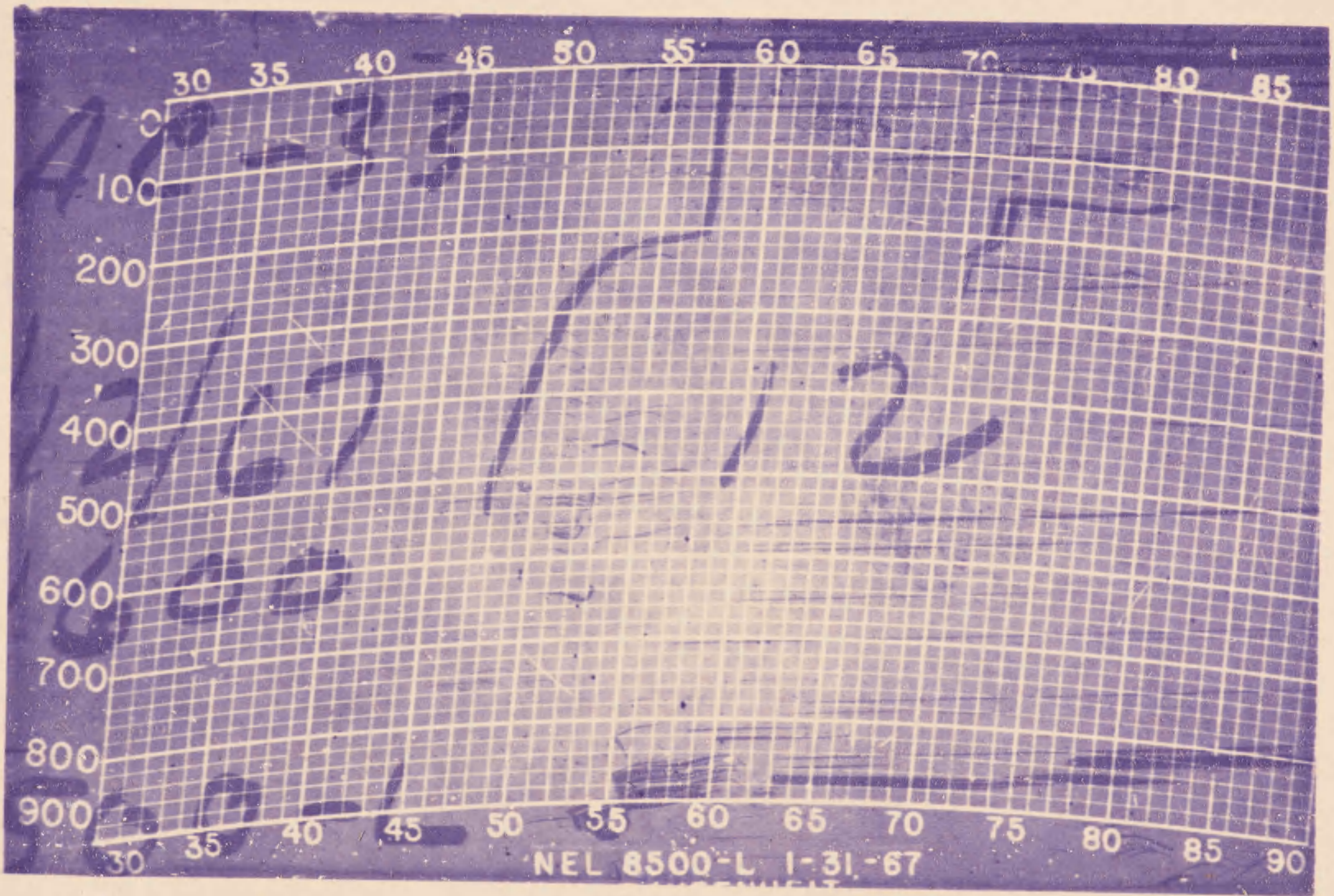
SWELL DIR HT PER

TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606e (REV 1956) Scripps Institution of Oceanography



NEL 8500-L 1-31-67

SIO NO 884 13 KEY 34122

 NODC NO 14994 CARD NO 13 GCT 0400 DATE XII-17-67

 VESSEL REXBURG

 LAT 34°12'N LONG 122°11'W DEPTH SPD

 SURF T 57.6 R WIND D F DRY T WET T

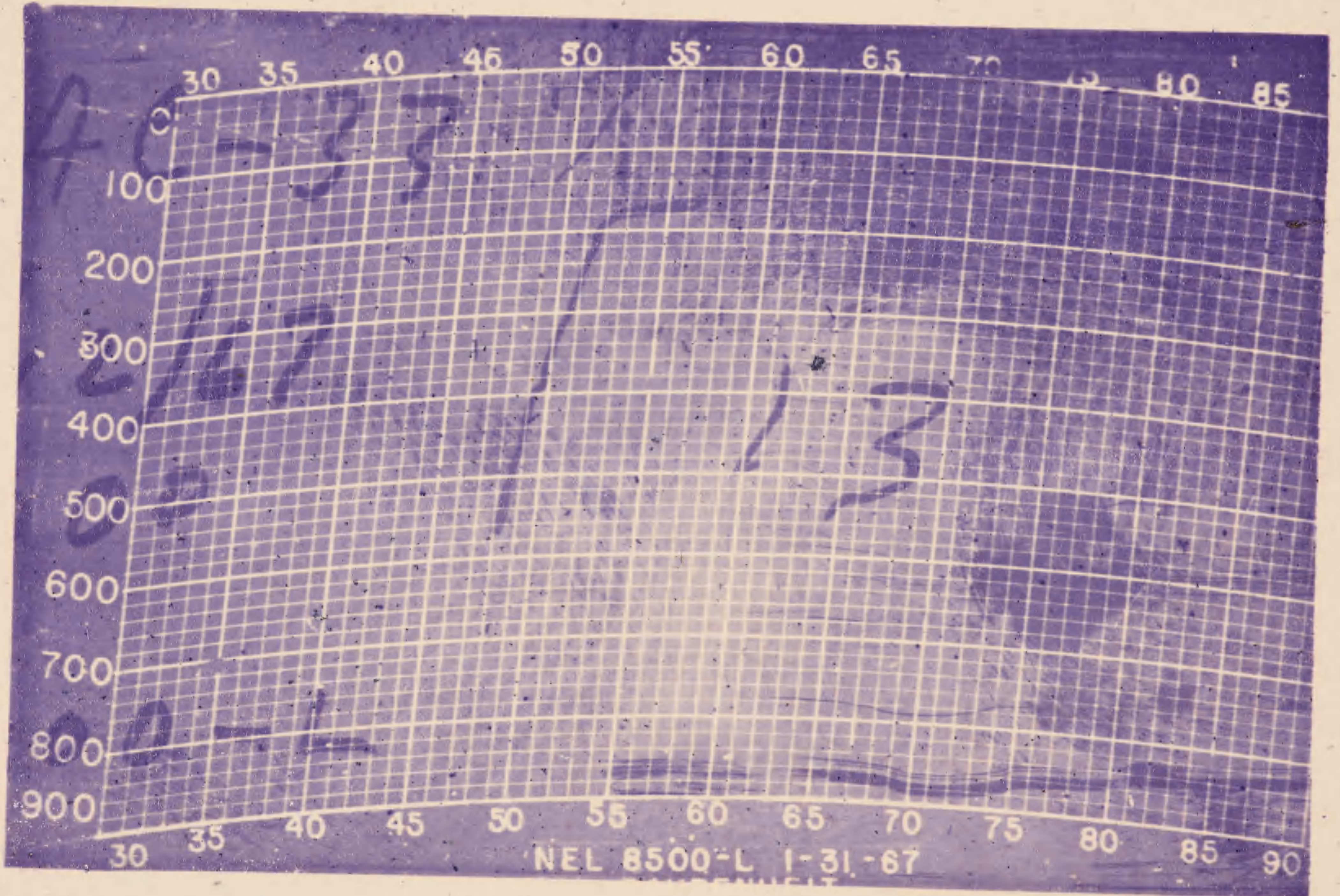
 BAR WEA CL T C VIS SEA

 SWELL DIR HT PER

 TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968



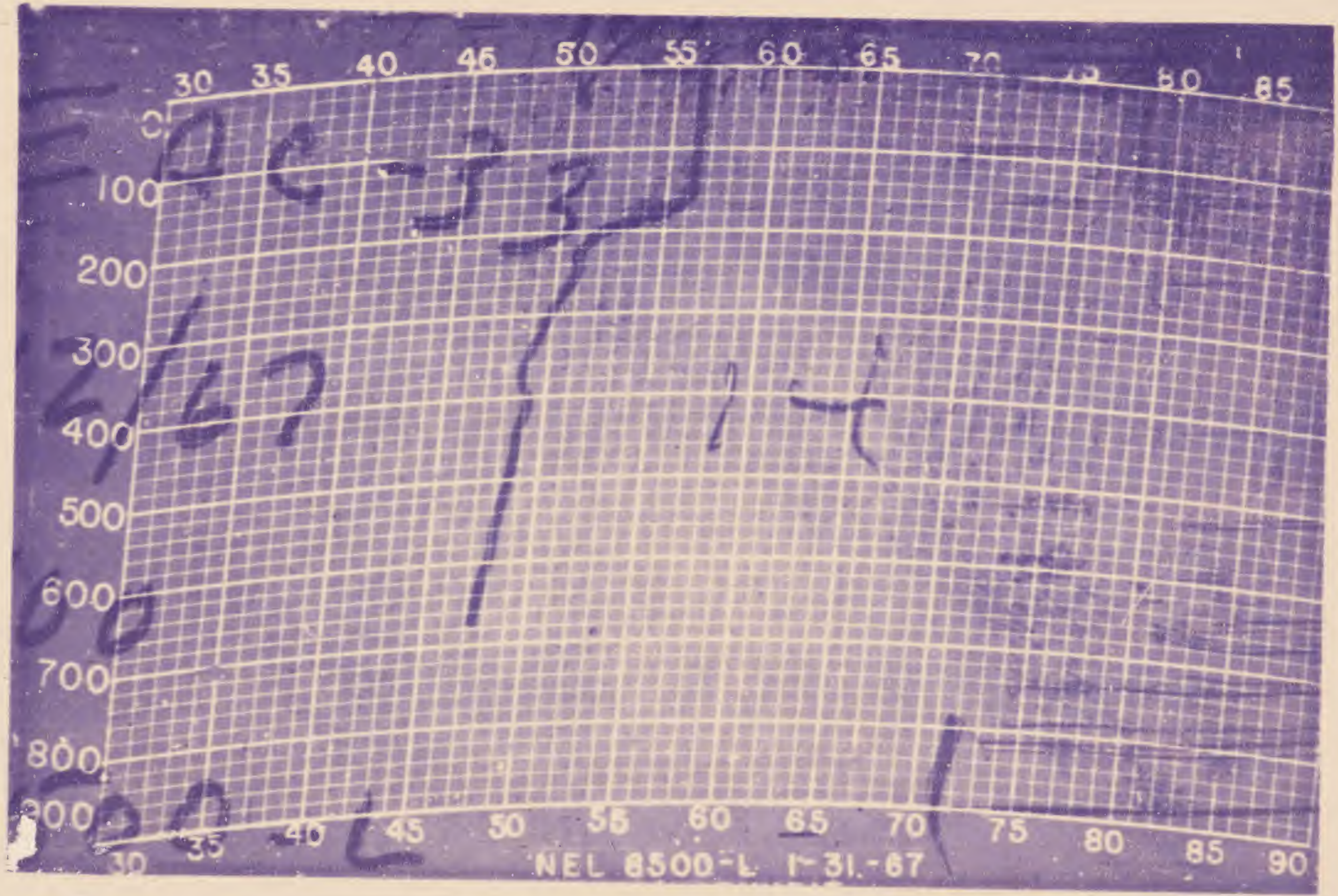
NEL 8500-L 1-31-67

SIO NO 884 14 KEY 33122
 NODC NO 14994 CARD NO 14 GCT 1900 DATE XII-17-67
 VESSEL REXBURG
 LAT 33°27'N LONG 122°27'W DEPTH SPD
 SURF T 56.5R WIND D F DRY T WET T
 BAR WEA CL T C VIS SEA
 SWELL DIR HT PER
 TCS -0.5R DCS 0

WMO Codes Used

SEP 09 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography

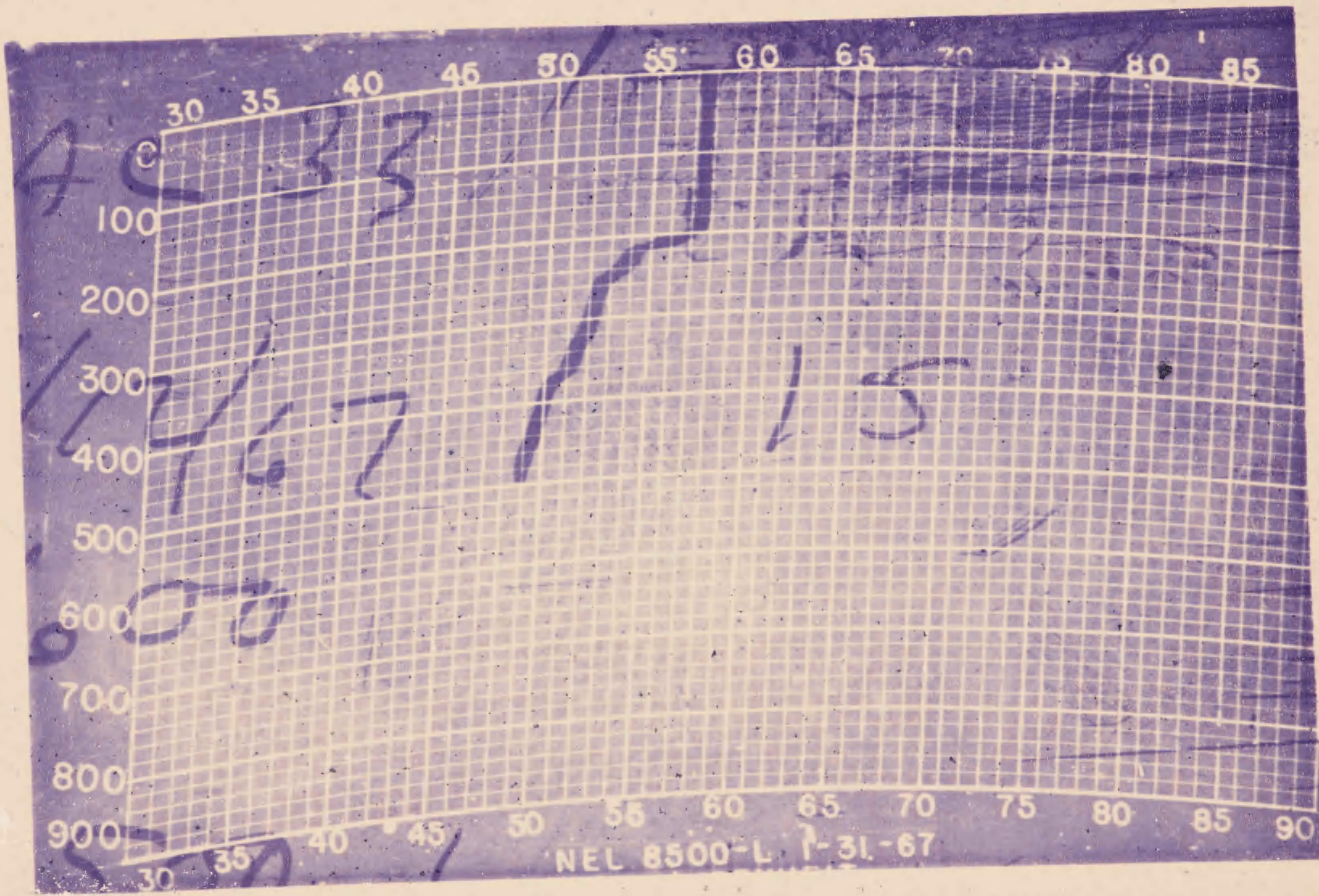


SIO NO 884 KEY 15 33123
 NODC NO 14994 CARD NO 15 GCT 0000 DATE XII-18-67
 VESSEL REXBURG
 LAT 33° 23' N LONG 123° 13' W DEPTH _____ SPD _____
 SURF T 57.6 R WIND D _____ F _____ DRY T _____ WET T _____
 BAR _____ WEA _____ CL T _____ C _____ VIS _____ SEA _____
 SWELL DIR _____ HT _____ PER _____
 TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606e (REV 1956) Scripps Institution of Oceanography



NEL 8500-L 1-31-67

SIO NO 884 16 KEY 33124

 NODC NO 14994 CARD NO 16 GCT 0800 DATE XII-18-67

 VESSEL REXBERG

 LAT 33°22' N LONG 124°34' W DEPTH _____ SPD _____

 SURF T 57.2 R WIND D _____ F _____ DRY T _____ WET T _____

 BAR _____ WEA _____ CL T _____ C _____ VIS _____ SEA _____

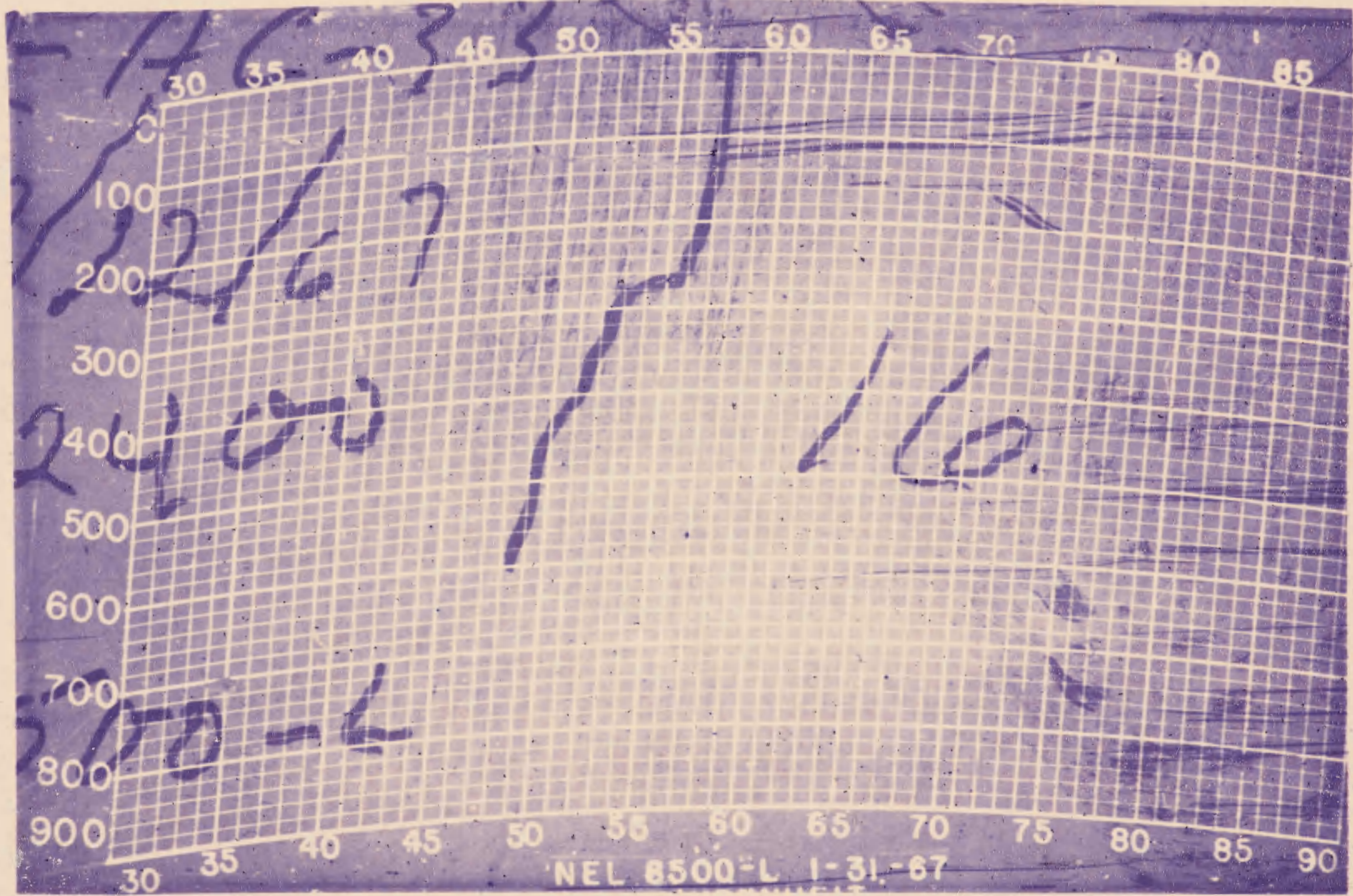
 SWELL DIR _____ HT _____ PER _____

 TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



NEL 8500-L 1-31-67

SIO NO 884 17 KEY 33125

NODC NO 14994 CARD NO 17 GCT 1200 DATE XII-18-67

VESSEL REXBURG

LAT 33°26' N LONG 125°05' W DEPTH SPD

SURF T 59.7 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

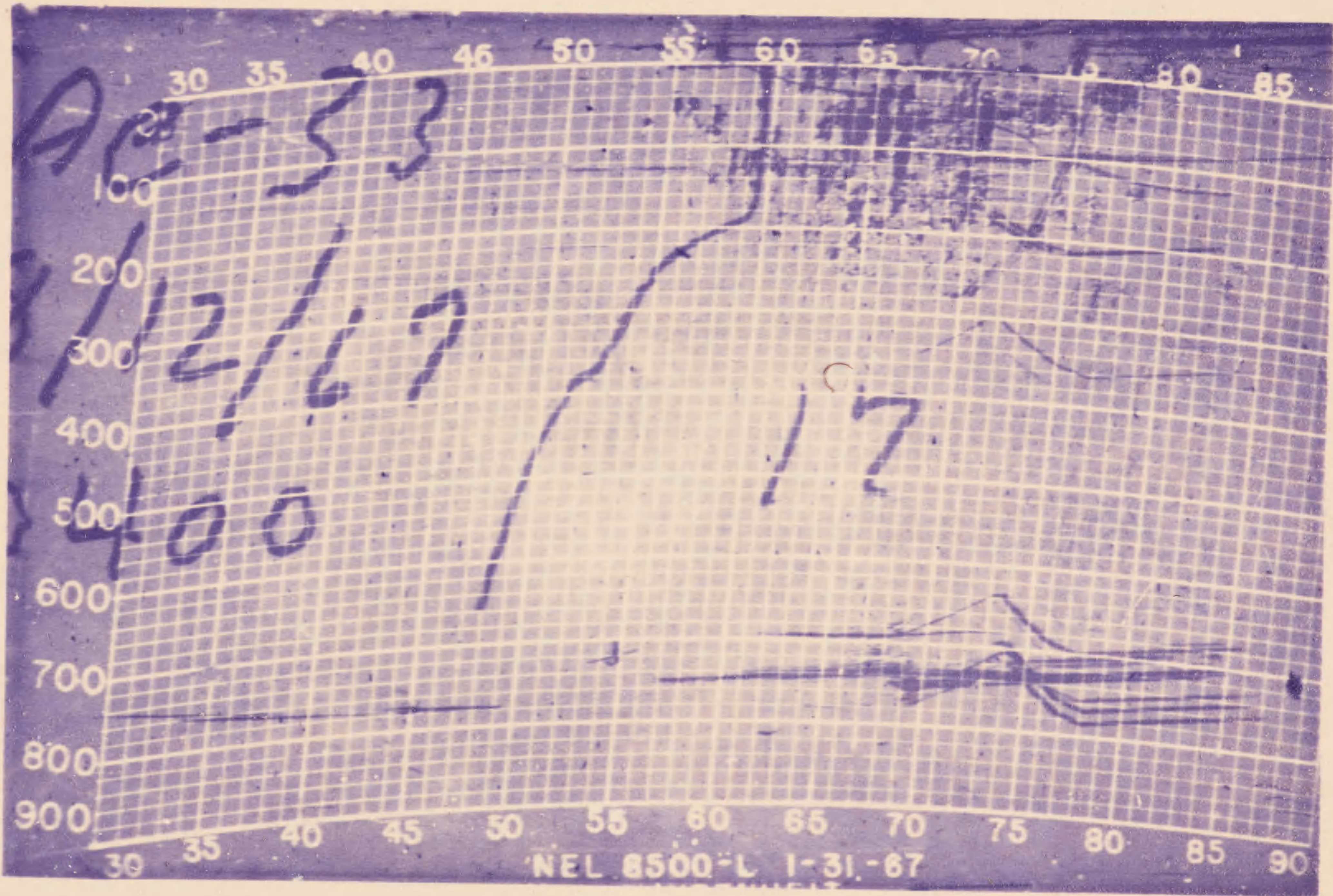
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TCS - 0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 884 18 KEY 33125

NODC NO 14994 CARD NO 18 GCT 1600 DATE XII-18-67

VESSEL REXBURG

LAT 33°18' N LONG 125°39' W DEPTH SPD

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BAR WEA CL T C VIS SEA

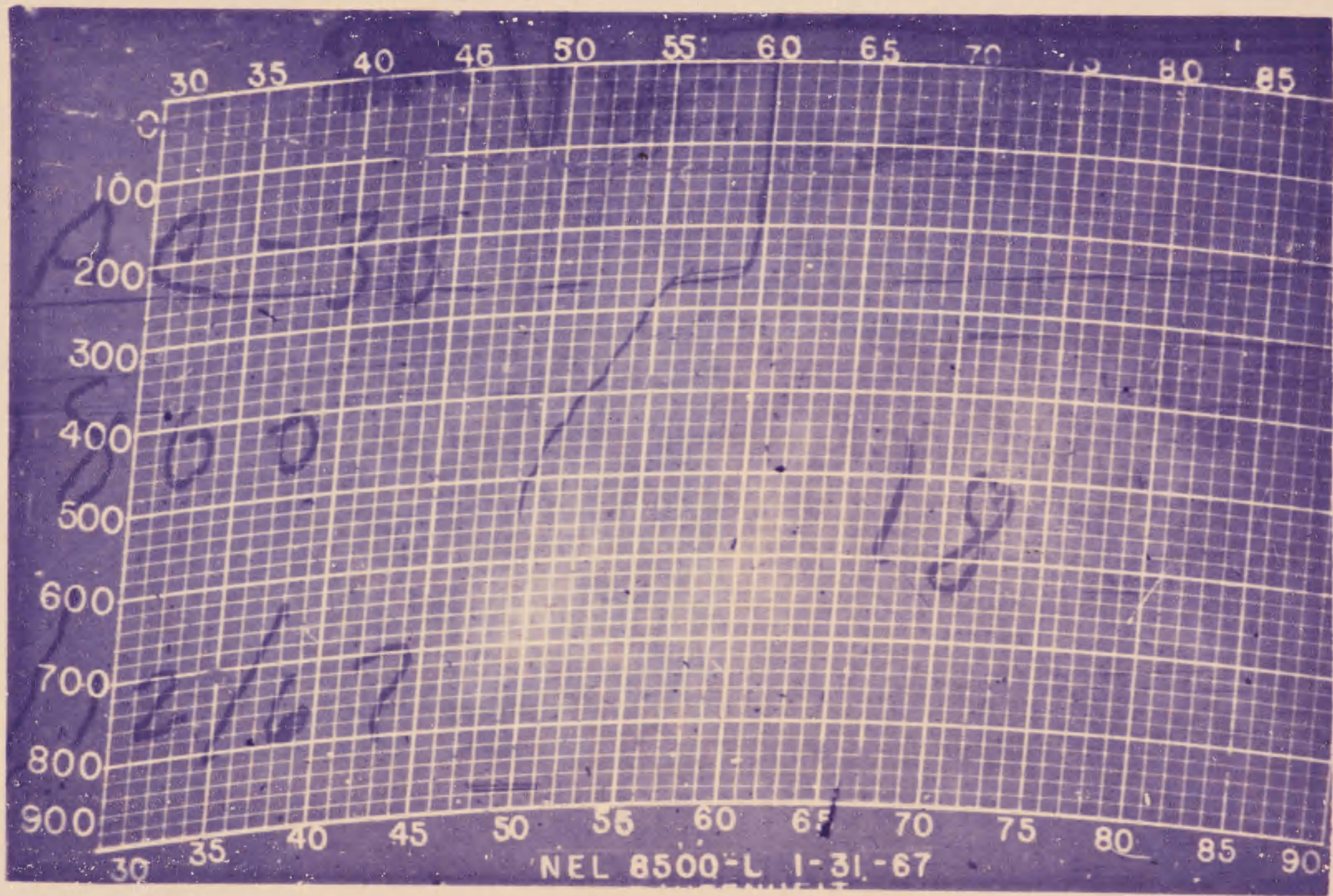
SWELL DIR HT PER

TCS -0.5 R DCS D

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606e (REV 1956) Scripps Institution of Oceanography



SIO NO 884 19 KEY 32125

NODC NO 14994 CARD NO 19 GCT 2000 DATE XII-18-67

VESSEL REXBURG

LAT 32°32'N LONG 125°52'W DEPTH SPD

SURF T 61.2 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

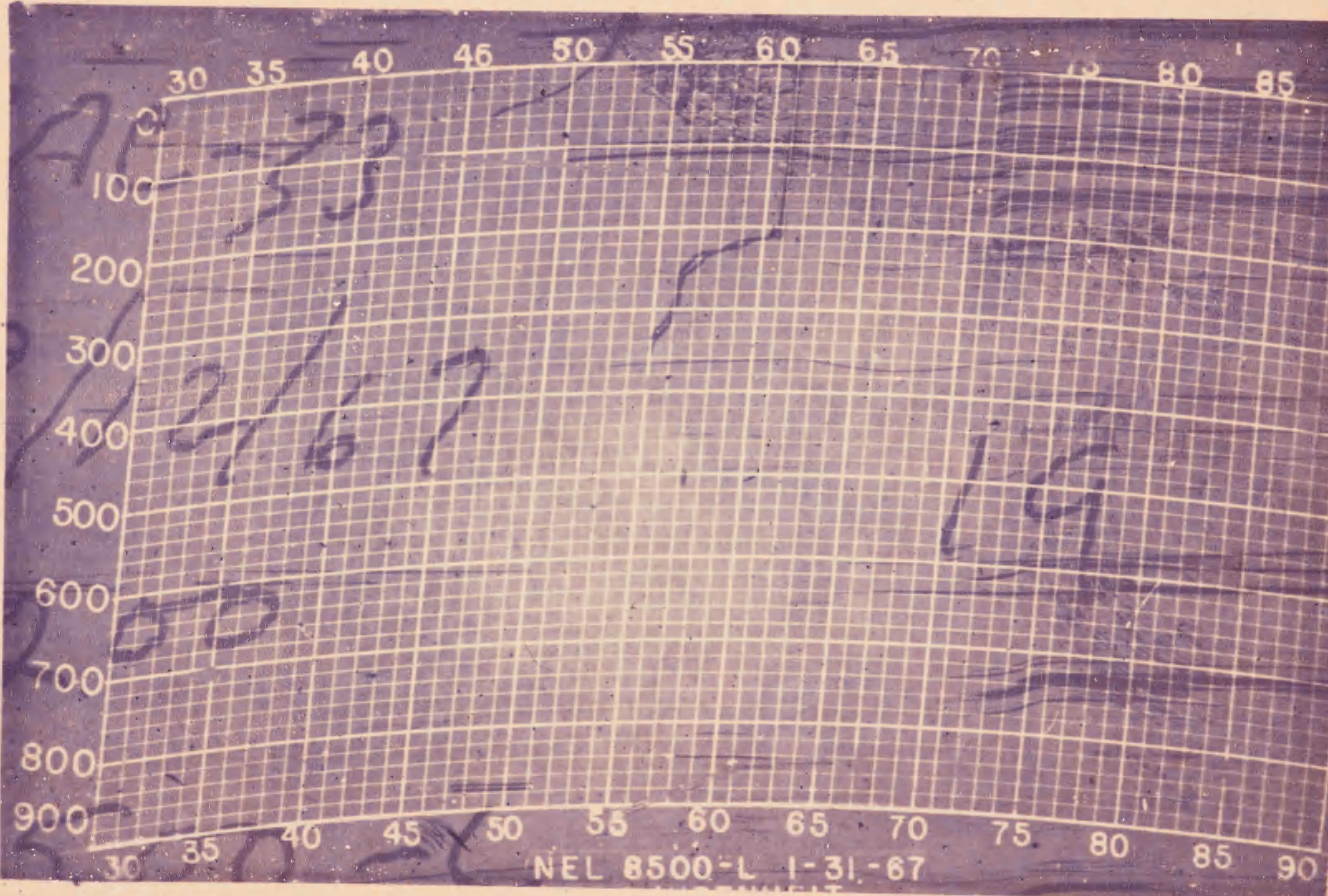
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TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 6060 (REV 1956) Scripps Institution of Oceanography



NEL 8500-L 1-31-67

SIO NO 884 20 KEY 32125

NODC NO 14994 CARD NO 20 GCT 0000 DATE XII-19-67

VESSEL REXBURG

LAT 32° 30' N LONG 125° 02' W DEPTH SPD

SURF T 60.1 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

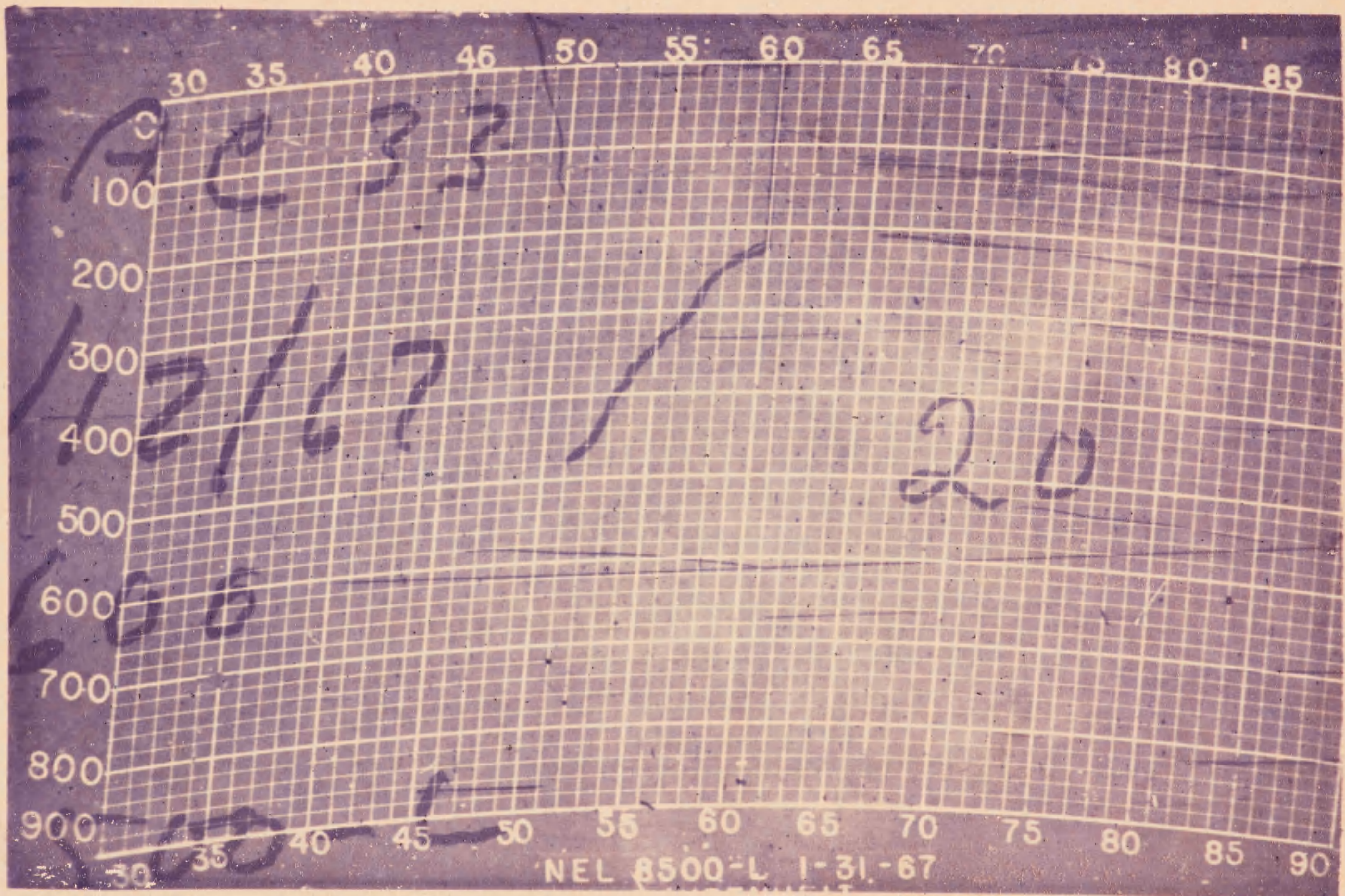
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TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 884 21 KEY 32124

NODC NO 14994 CARD NO 21 GCT 0400 DATE XII-19-67

VESSEL REXBURG

LAT 32°30' N LONG 124°08' W DEPTH SPD

SURF T 61.3 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

SWELL DIR HT PER

TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography

30 35 40 45 50 55 60 65 70 75 80 85

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300

400

500

600

700

800

900

30 35 40 45 50 55 60 65 70 75 80 85 90

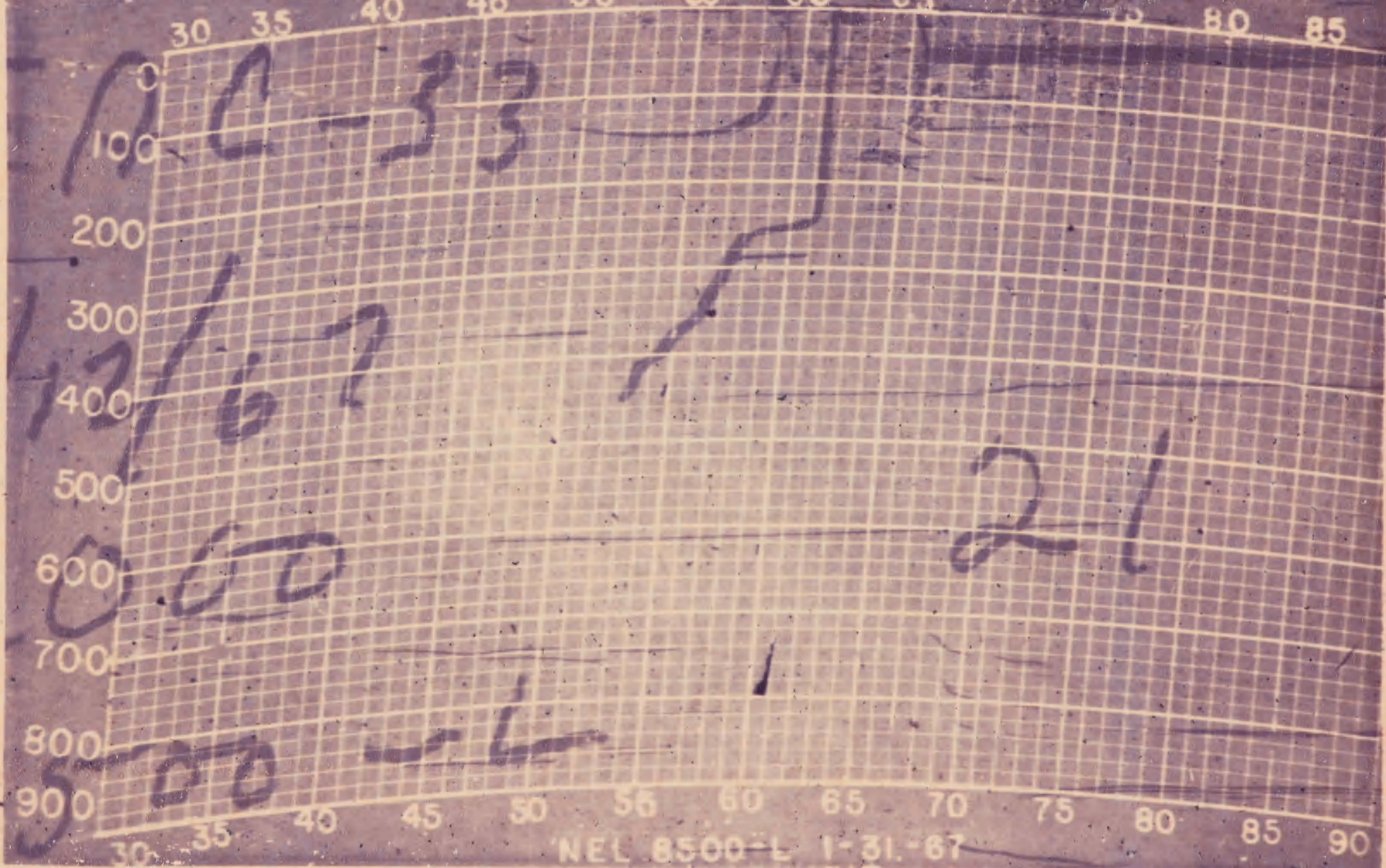
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13/67

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21

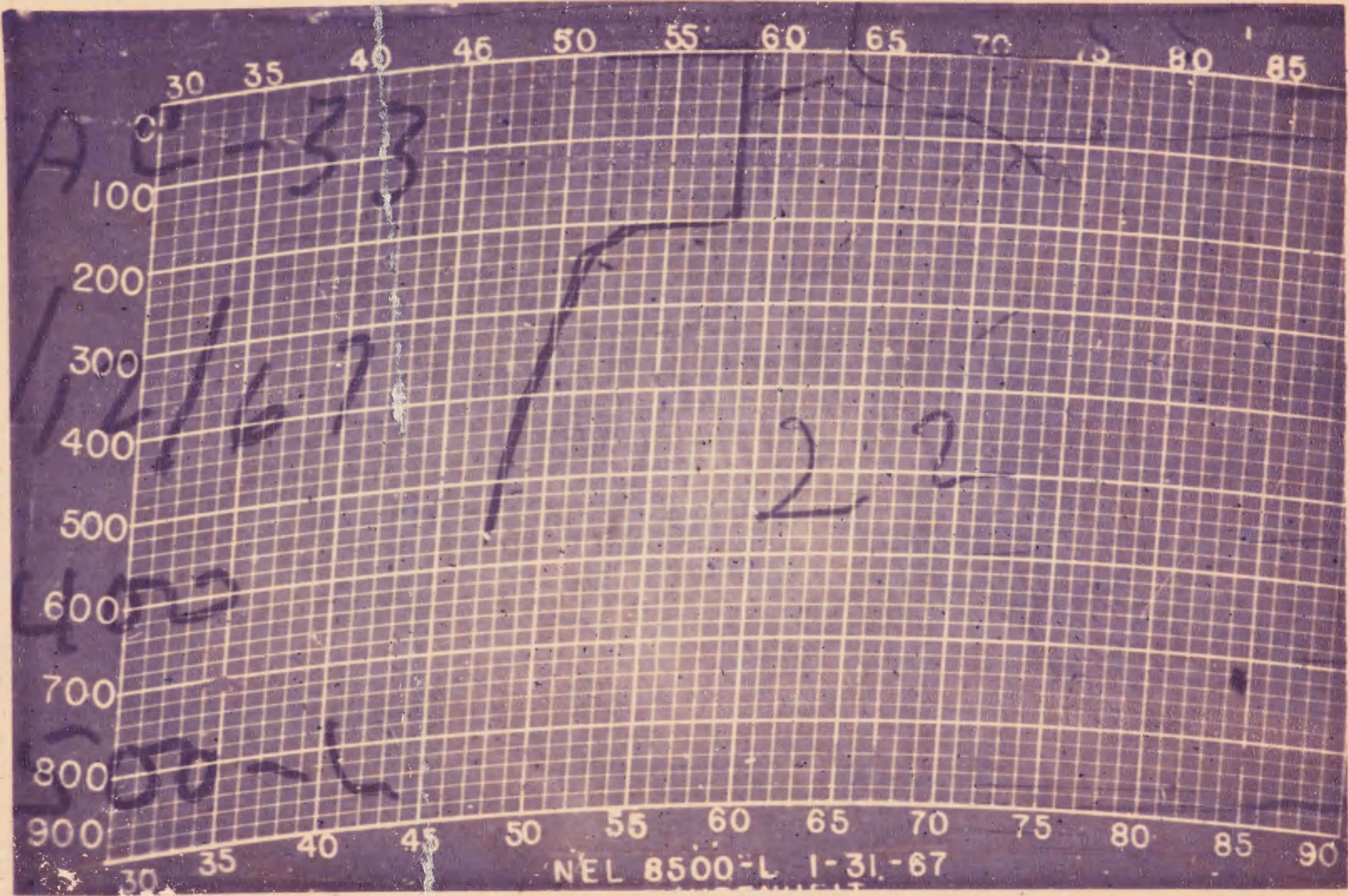


SIO NO 884 22 KEY 32123
 NODC NO 14994 CARD NO 22 GCT 0800 DATE XII-19-67
 VESSEL REXBURG
 LAT 32°31' N LONG 123°15' W DEPTH SPD
 SURF T 58.3 R WIND D F DRY T WET T
 BAR WEA CL T C VIS SEA
 SWELL DIR HT PER
 TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 881 23 KEY 32121

NODC NO 14904 CARD NO 23 GCT 1200 DATE XII-19-67

VESSEL REXBURG

LAT 32°32' N LONG 121°57' W DEPTH SPD

SURF T 59.0 R WIND D F DRY T WET T

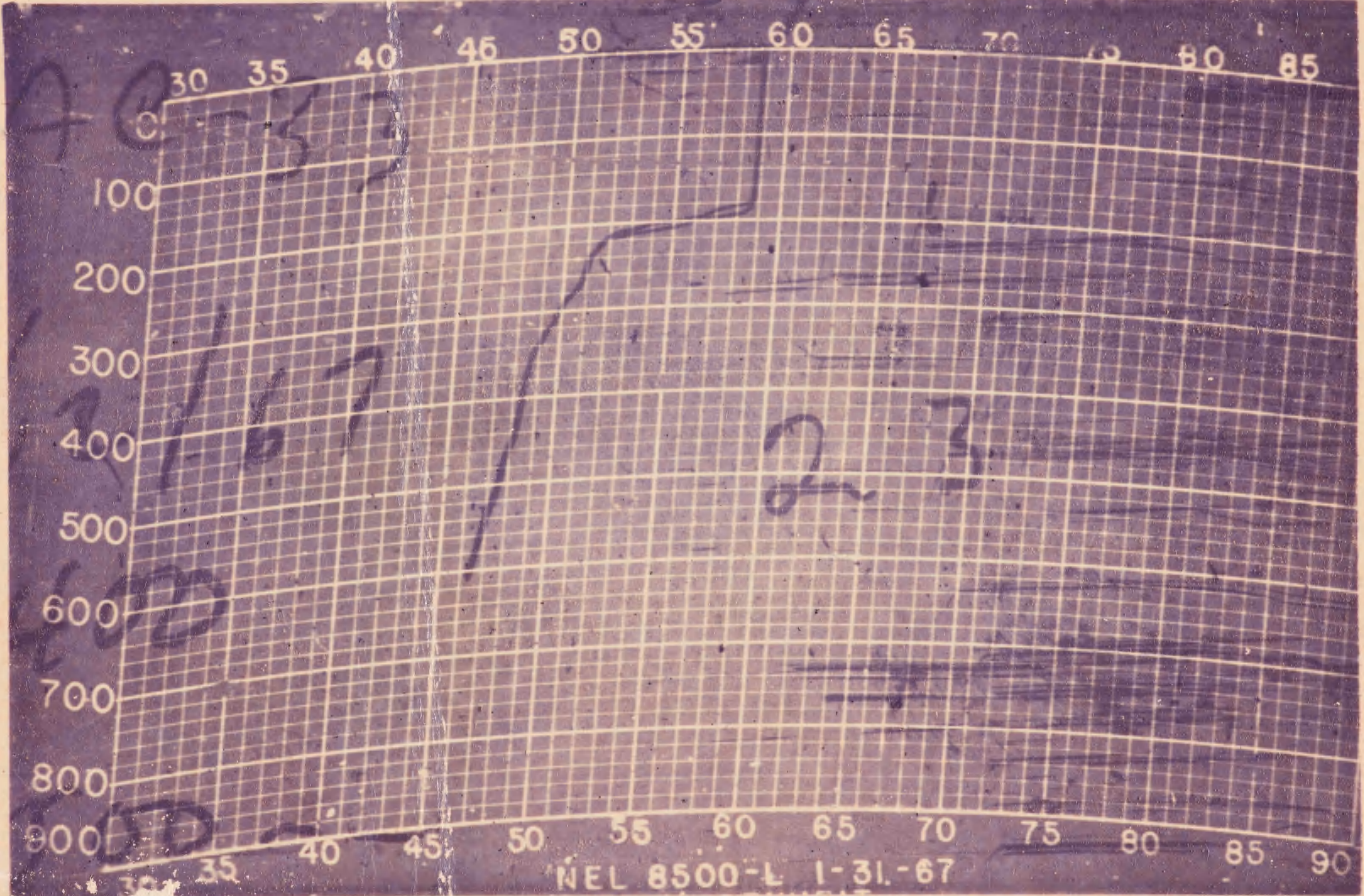
BAR WEA CL T C VIS SEA

SWELL DIR HT PER

TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968



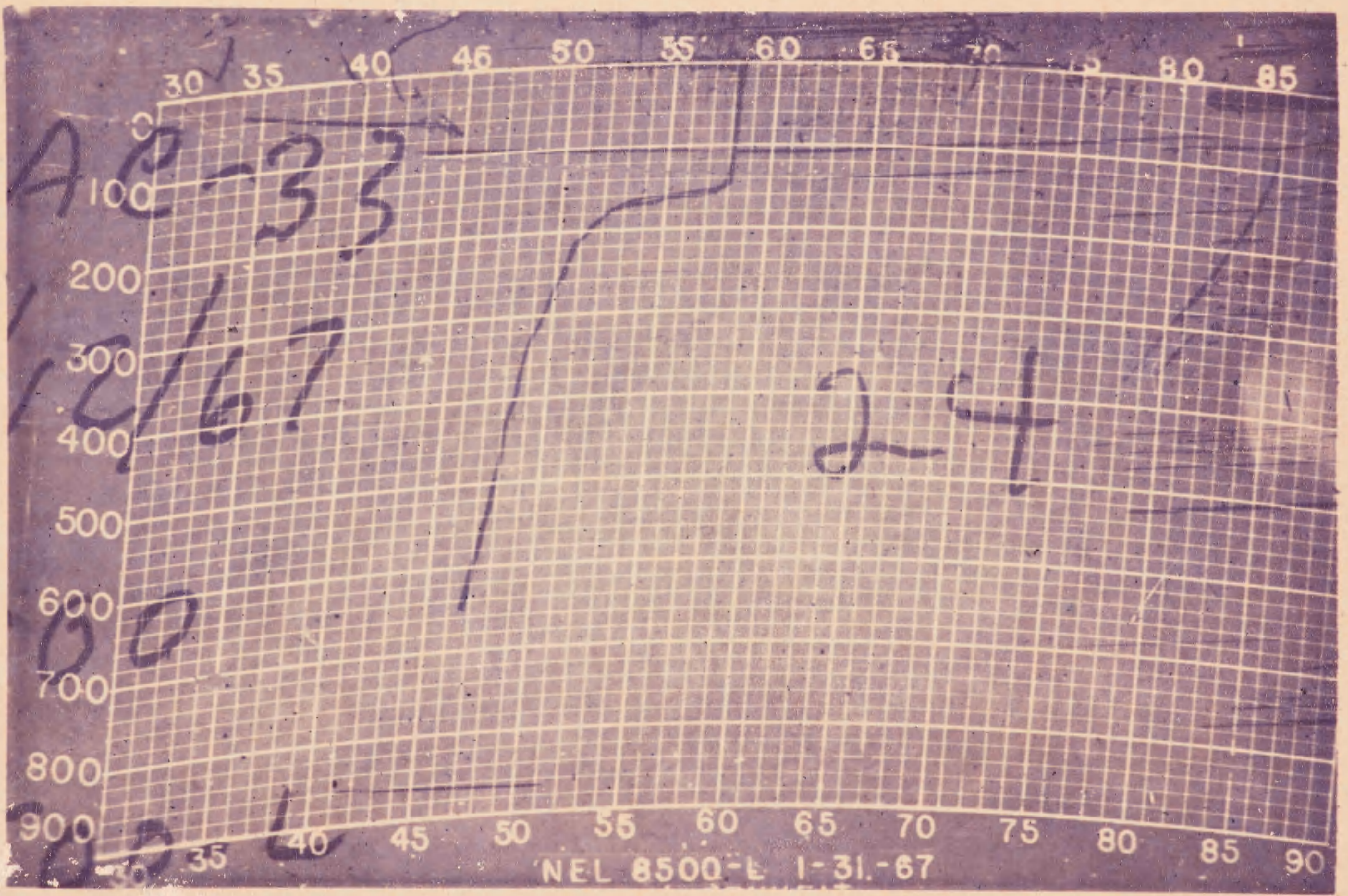
NEL 8500-L 1-31-67

SIO NO 884 24 KEY 32121
 NODC NO 14994 CARD NO 24 GCT 1600 DATE XII-19-67
 VESSEL REXBURG
 LAT 32°20'N LONG 121°42'W DEPTH SPD
 SURF T 58.3R WIND D F DRY T WET T
 BAR WEA CL T C VIS SEA
 SWELL DIR HT PER
 TCS -0.5R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



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10/67

24

00

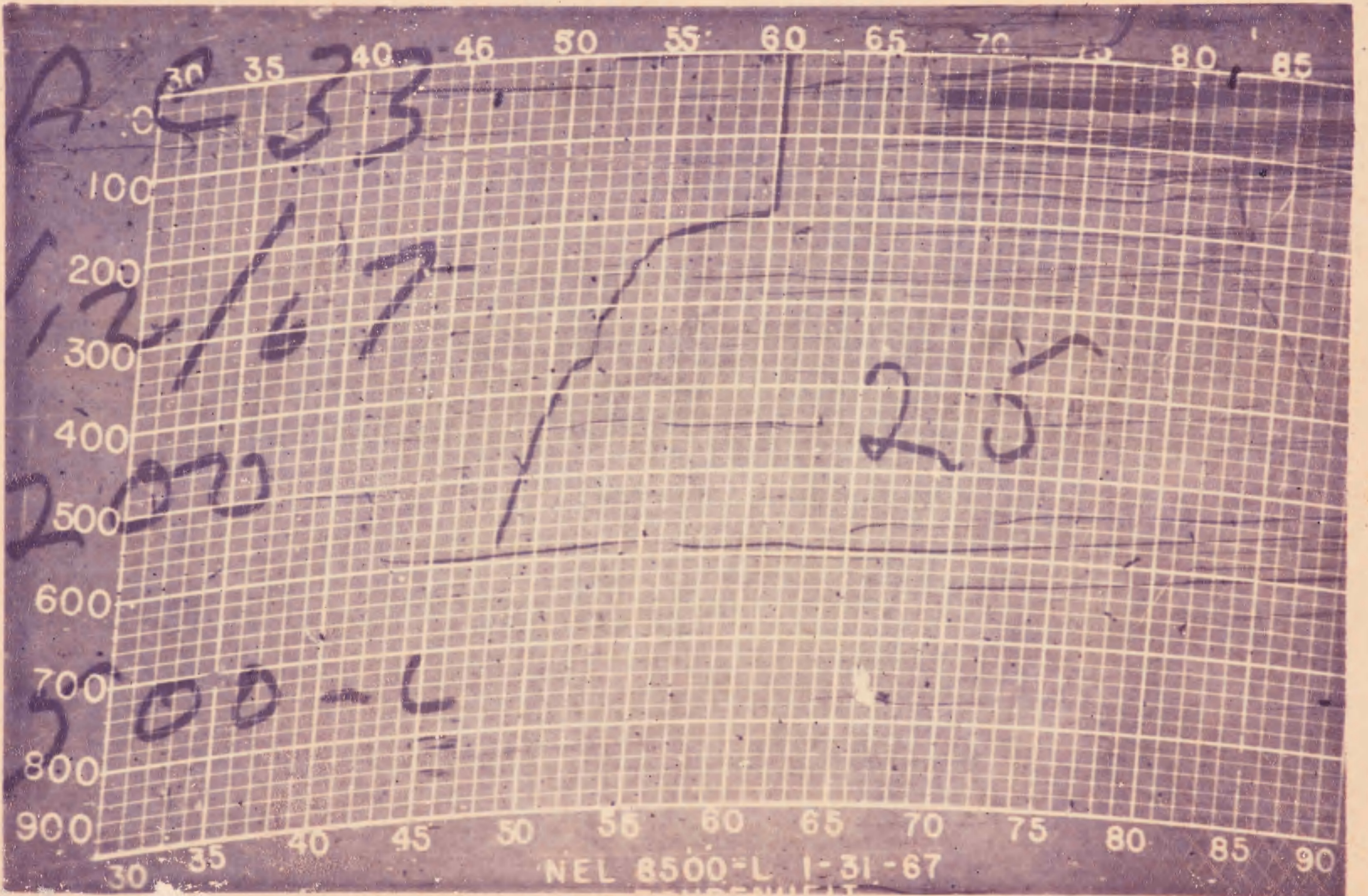
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SIO NO 884 '25 KEY 31122
 NODC NO 14994 CARD NO 25 GCT 2000 DATE XII-19-67
 VESSEL REXBURG
 LAT 31°52' N LONG 122°34' W DEPTH SPD
 SURF T 60.4 R WIND D F DRY T WET T
 BAR WEA CL T C VIS SEA
 SWELL DIR HT PER
 TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 884 26 KEY 31122

NODC NO 14994 CARD NO 26 GCT 0000 DATE XII-20-67

VESSEL REXBURG

LAT 31°40' N LONG 122°56' W DEPTH SPD

SURF T 61.0 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

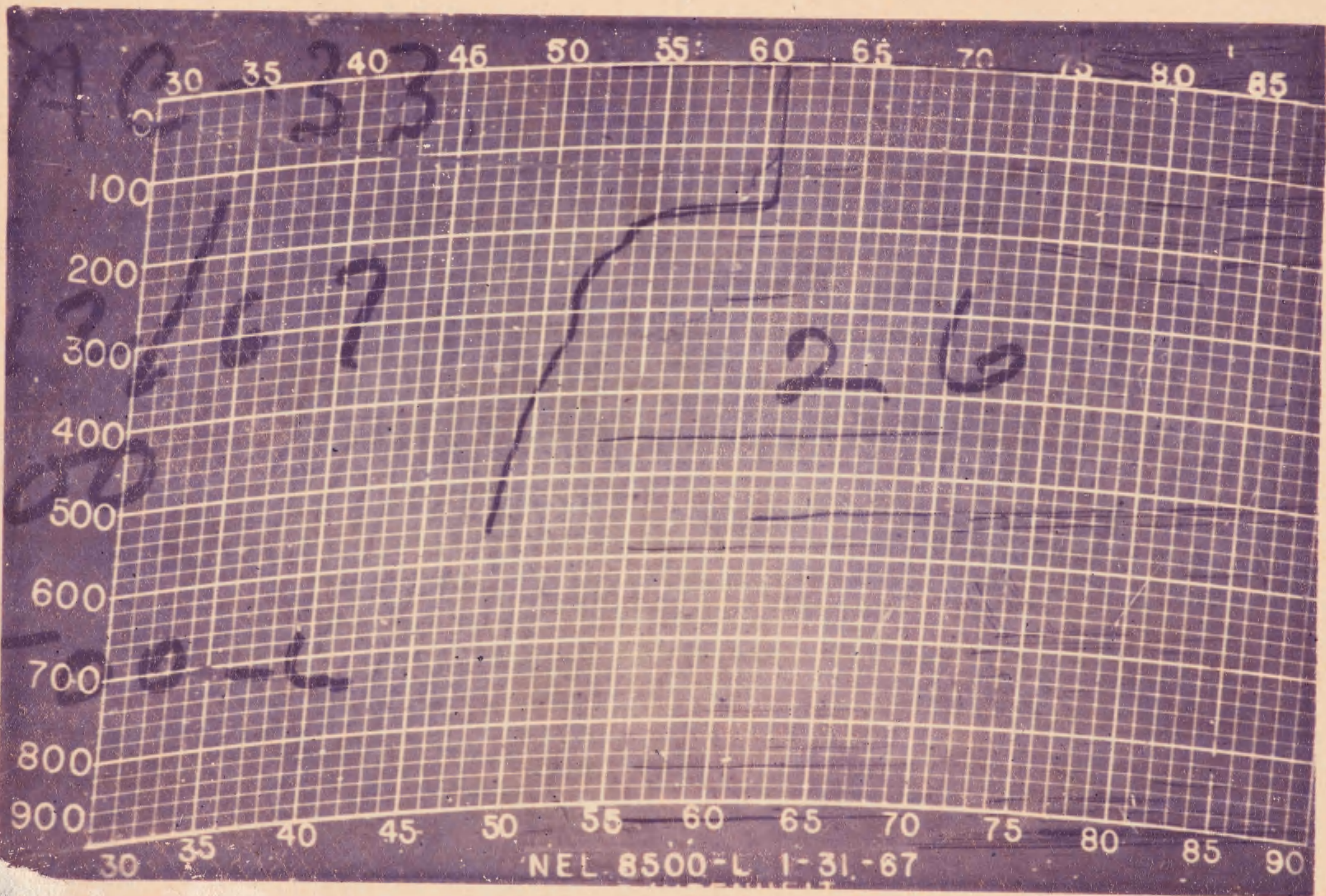
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WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606e (REV 1956) Scripps Institution of Oceanography



NEL 8500-L 1-31-67

SIO NO 884 27 KEY 31123

NODC NO 14994 CARD NO 27 GCT 0400 DATE XII-20-67

VESSEL REXBURG

LAT 31°38' N LONG 123°45' W DEPTH SPD

SURF T 60.6 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

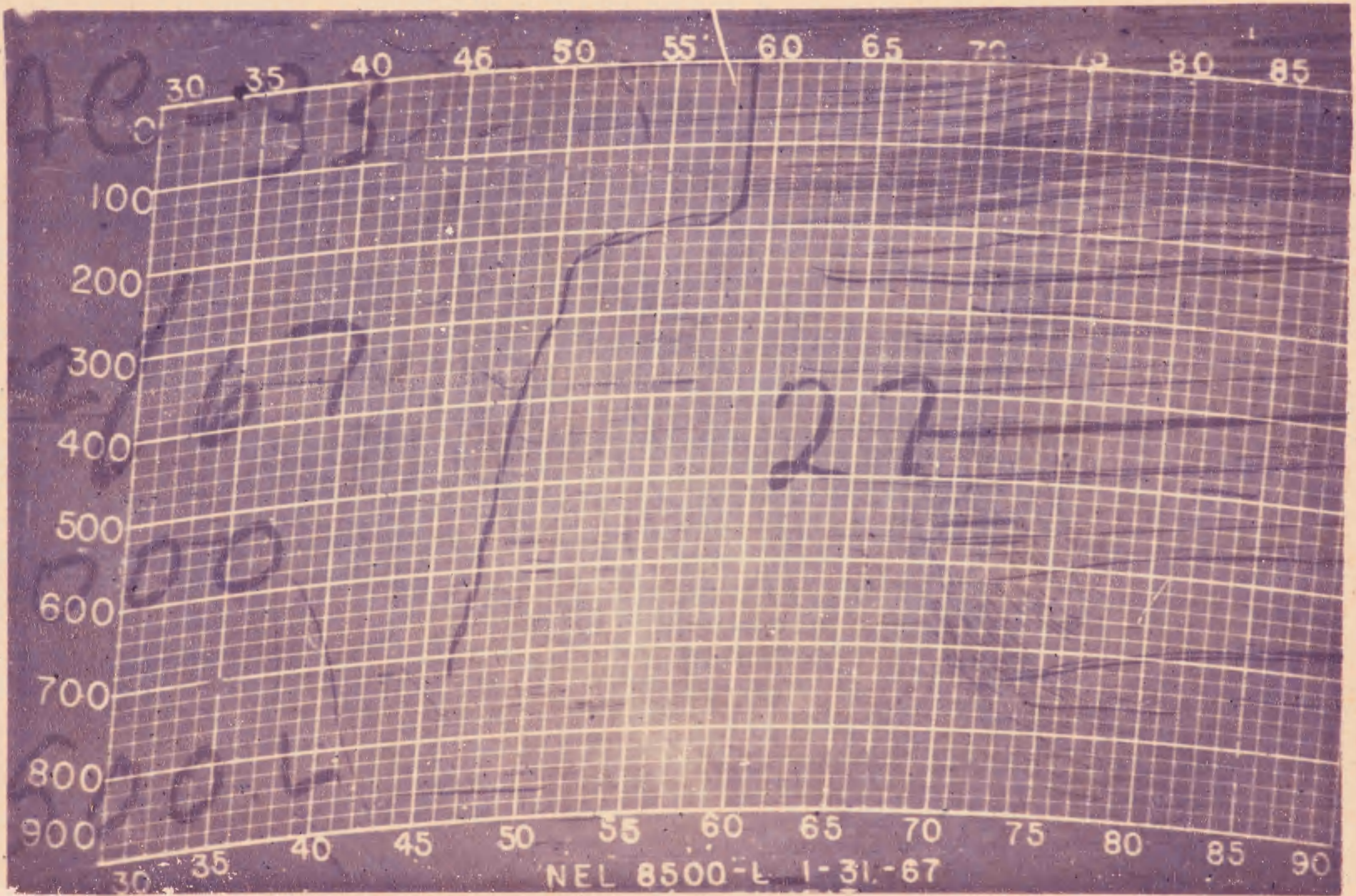
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TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



SIO NO 884 28 KEY 31124
NODC NO 14994 CARD NO 28 GCT 0800 DATE XII-20-67

VESSEL REXBURG

LAT 31°35' N LONG 124°36' W DEPTH SPD

SURF T 60.8 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

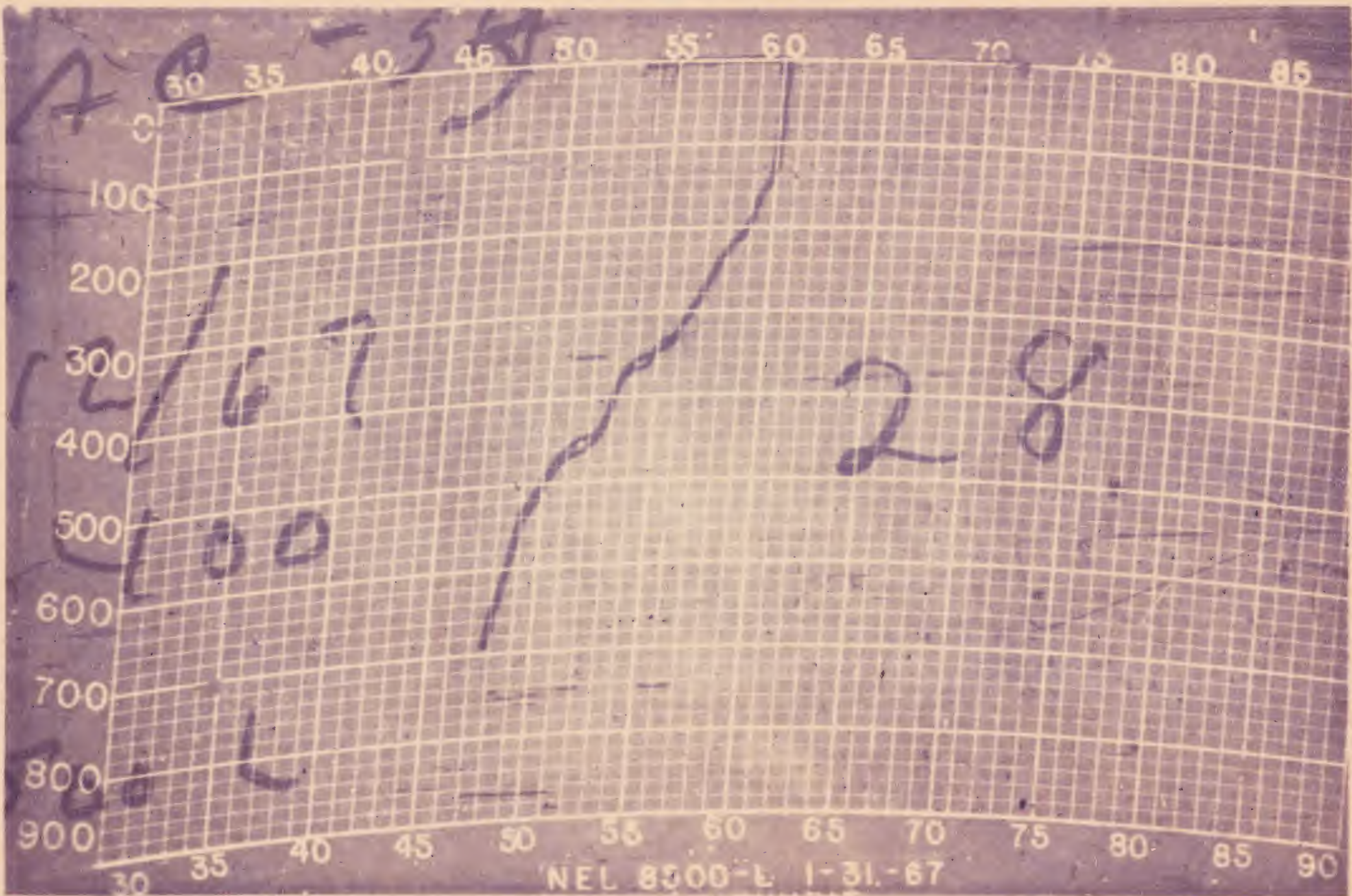
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WMO Codes Used

SEP 02 1968

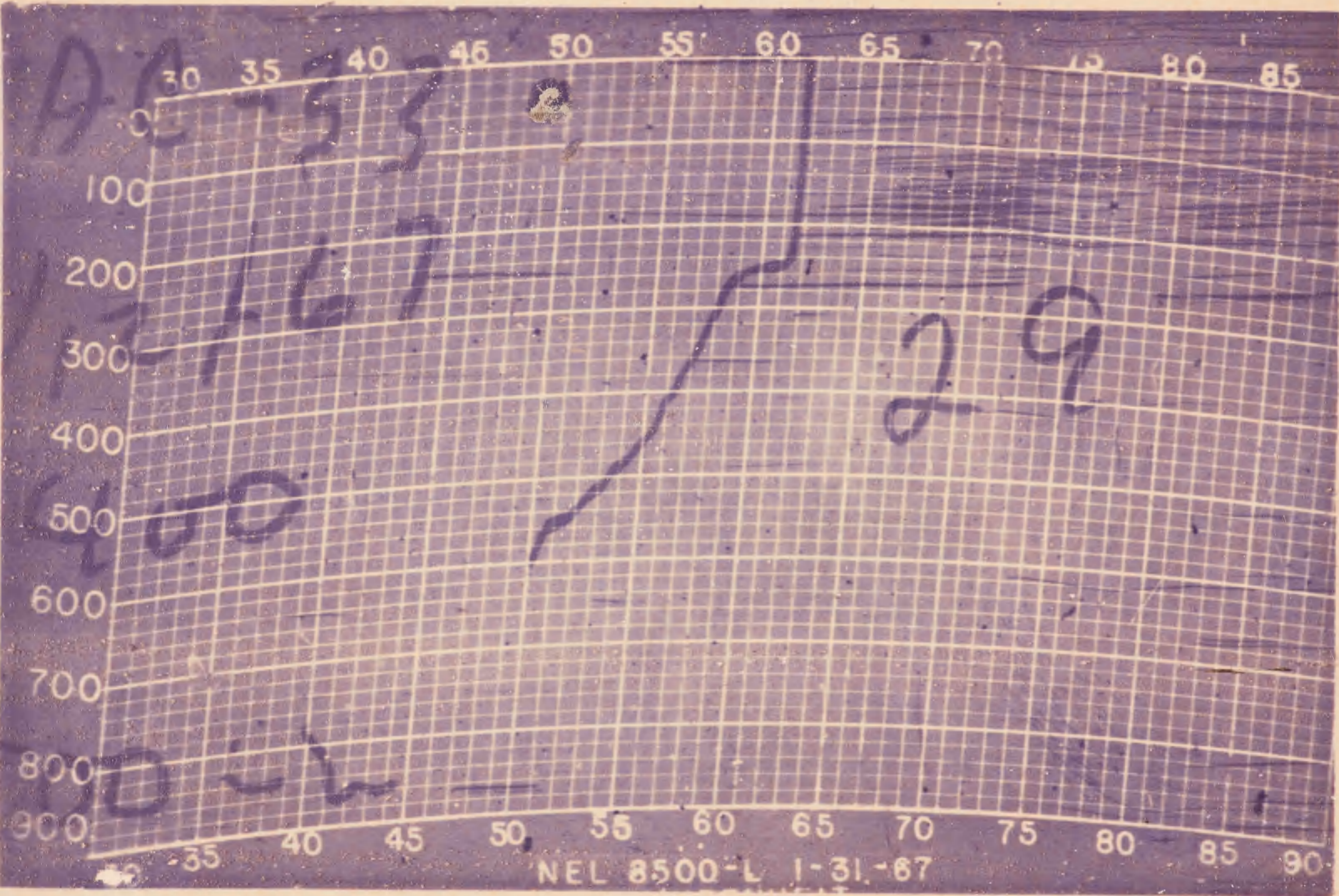
CODE GIVEN IN US NAVY HO PUBL 6060 (REV 1956) Scripps Institution of Oceanography



SIO NO 884. 29 KEY 31125
NODC NO 14994 CARD NO 29 GCT 1200 DATE XII-20-67
VESSEL REXBURG
LAT 31° 37' N LONG 125° 22' W DEPTH SPD
SURF T 61.2 R WIND D F DRY T WET T
BAR WEA CL T C VIS SEA
SWELL DIR HT PER
TCS -0.5 R DCS 0

WMO Codes Used

SEP 09 1968

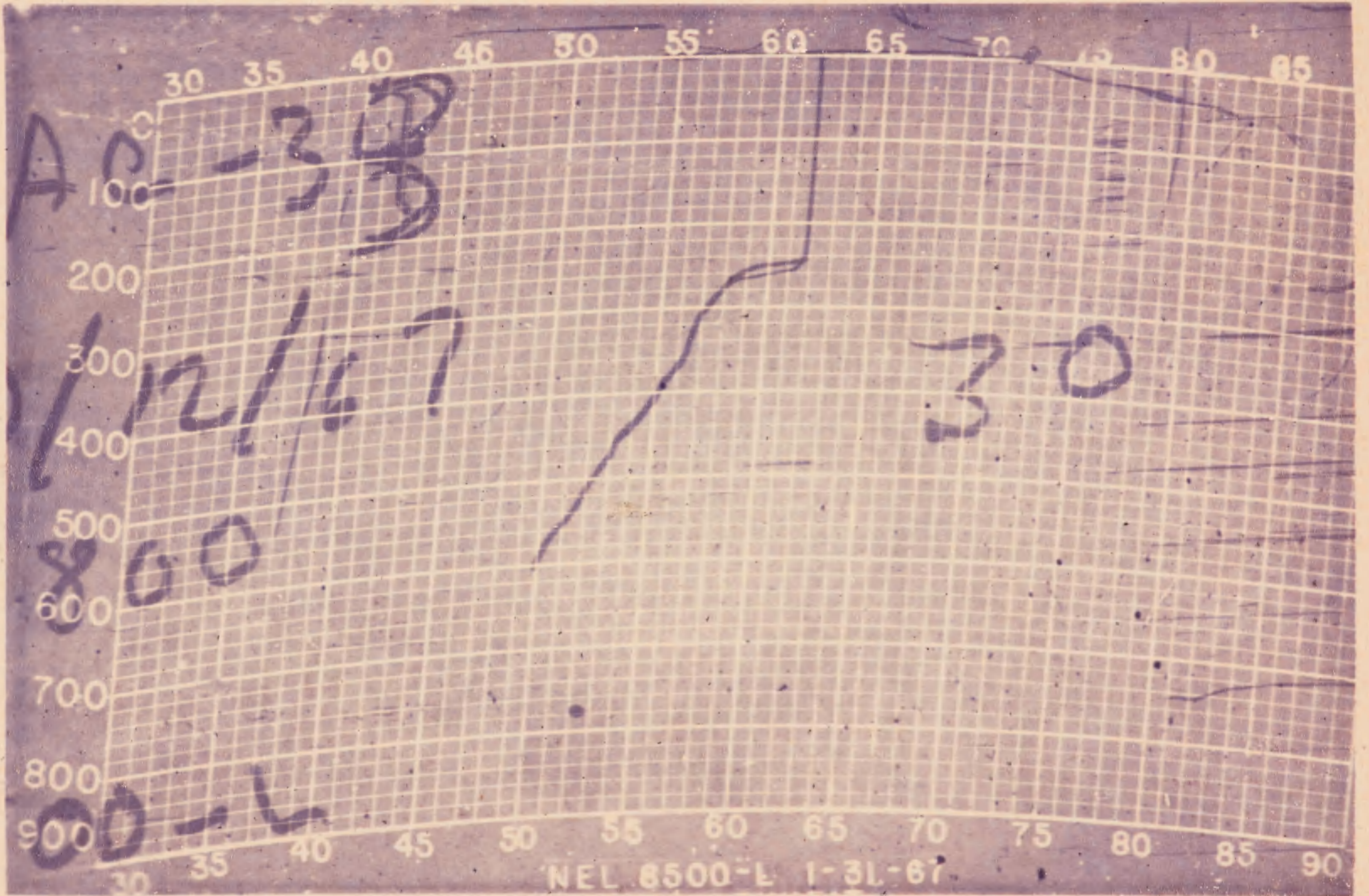


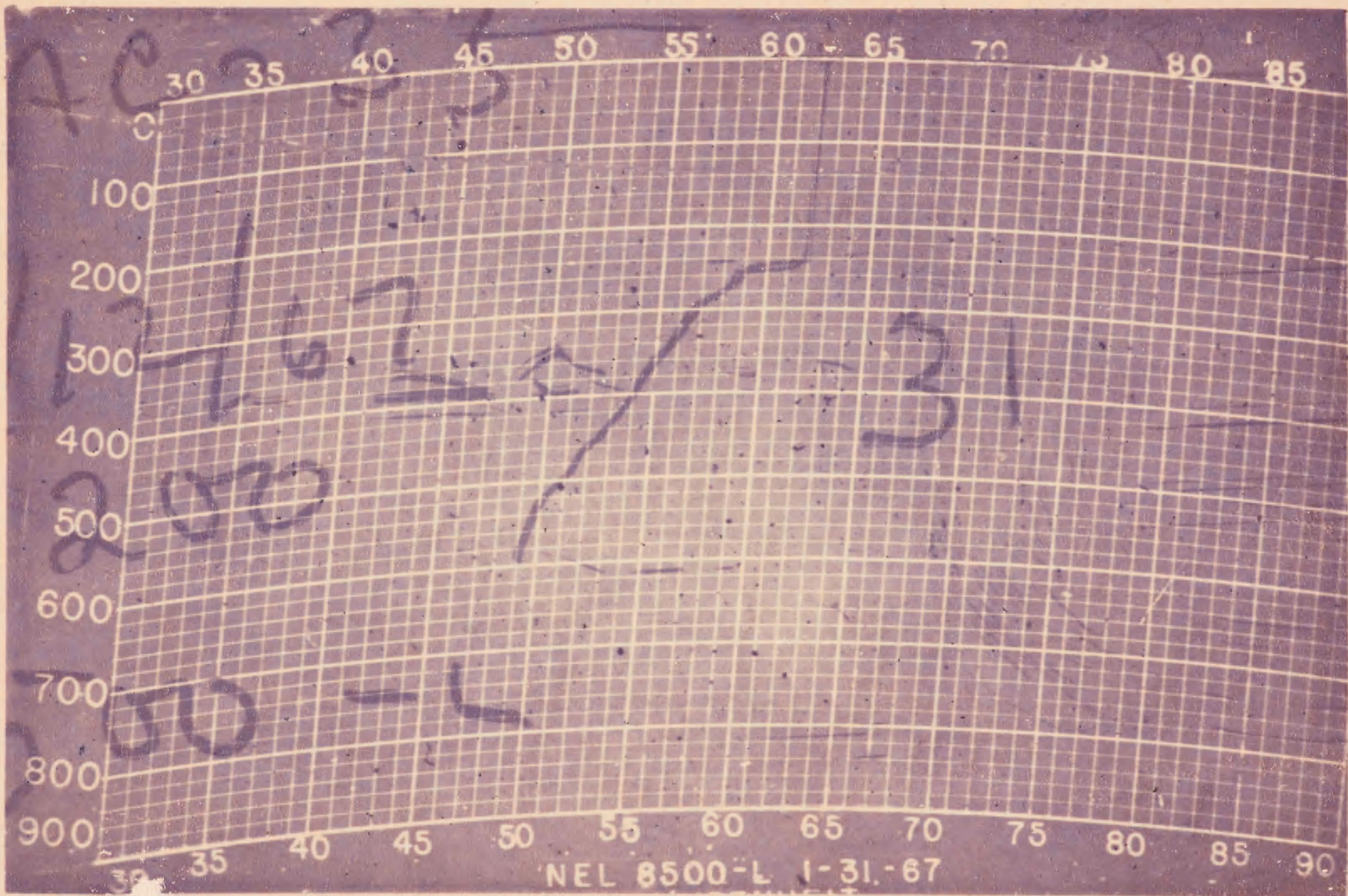
SIO NO 881 30 KEY 31125
NODC NO 14994 CARD NO 30 GCT 1600 DATE XII-20-67
VESSEL REXBURG
LAT 31° 26' N LONG 125° 53' W DEPTH SPD
SURF T 61.2 R WIND D F DRY T WET T
BAR WEA CL T C VIS SEA
SWELL DIR HT PER
TCS - D.S.R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606a (REV 1956) Scripps Institution of Oceanography





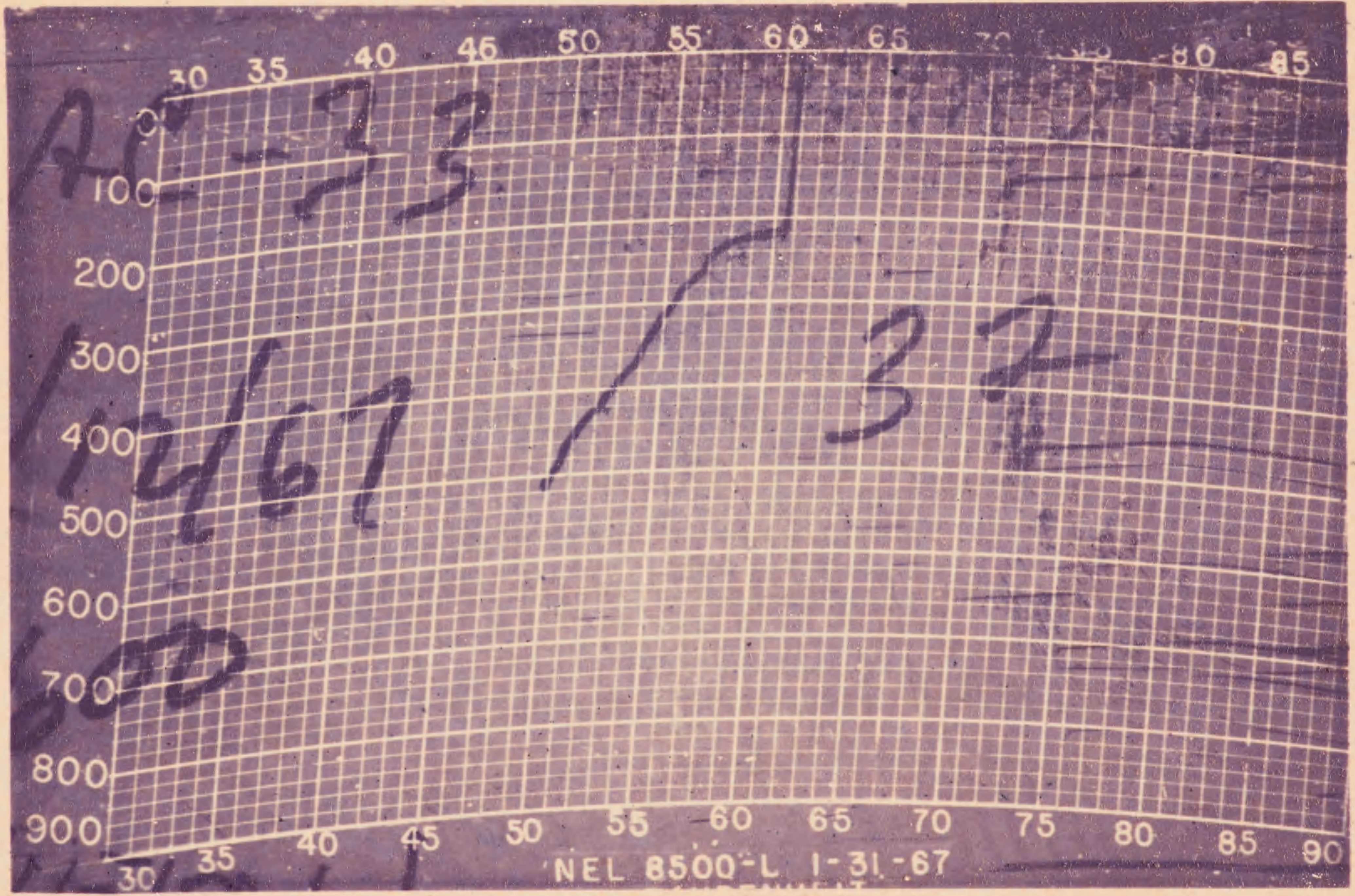
NEL 8500-L 1-31-67

SIG NO 884 32 KEY 30125
NODC NO 14994 CARD NO 32 GCT 0000 DATE XII-21-67
VESSEL REXBURG
LAT 30°50' N LONG 125°04' W DEPTH SPD
SURF T 61.0 R WIND D F DRY T WET T
BAR WEA CL T C VIS SEA
SWELL DIR HT PER
TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



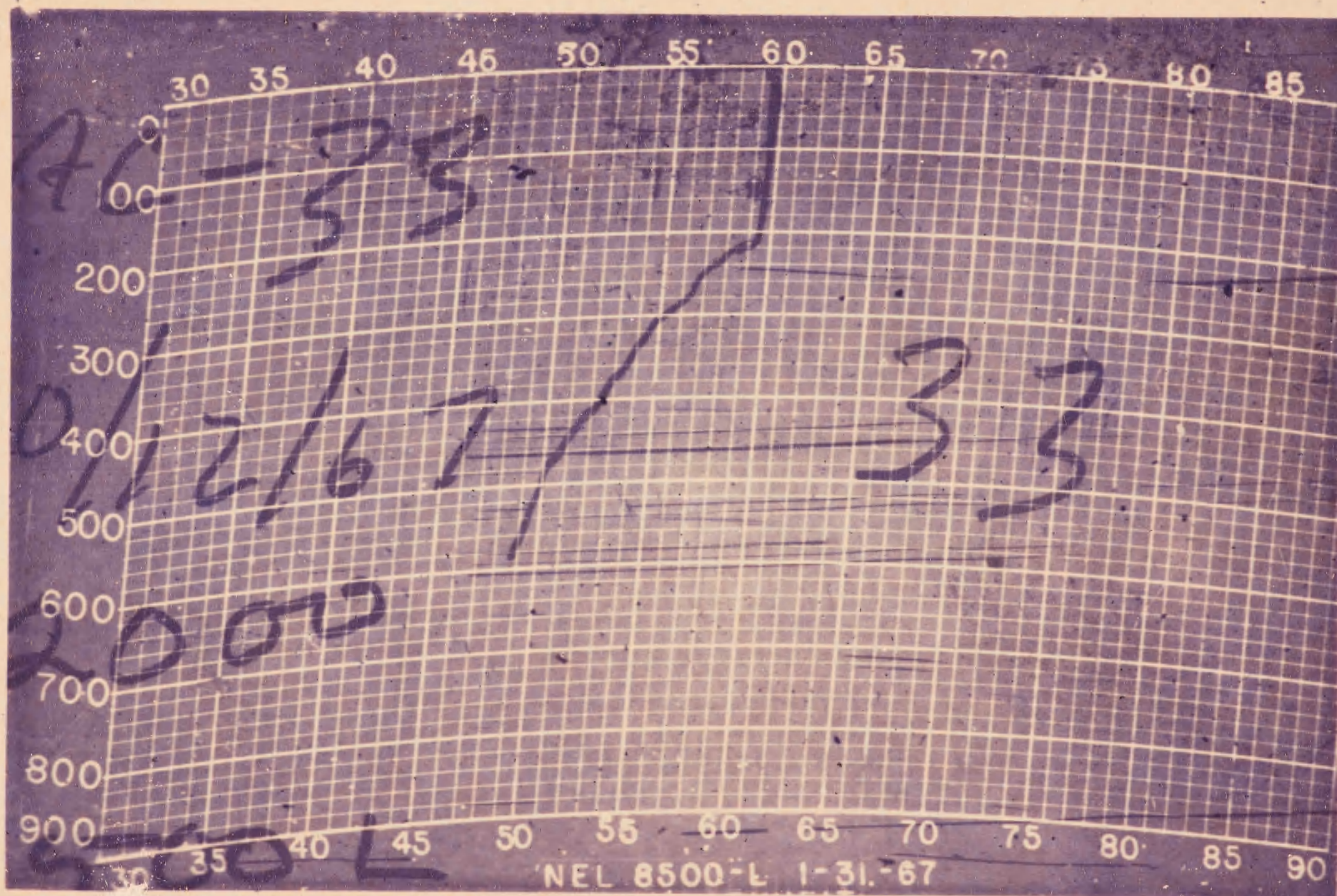
NEL 8500-L 1-31-67

SIO NO 884 33 KEY 30124
 NODC NO 14994 CARD NO 33 GCT 0400 DATE XII-21-67
 VESSEL REXBURG
 LAT 30°47' N LONG 124°17' W DEPTH SPD
 SURF T 60.8 R WIND D F - DRY T WET T
 BAR WEA CL T C VIS SEA
 SWELL DIR HT PER
 TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



NEL 8500-L 1-31-67

SIO NO 881 34 KEY 30123

NODC NO 14994 CARD NO 34 GCT 0800 DATE XII-21-67

VESSEL REXBURG

LAT 30°47' N LONG 123° 31' W DEPTH SPD

SURF T 60.8 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

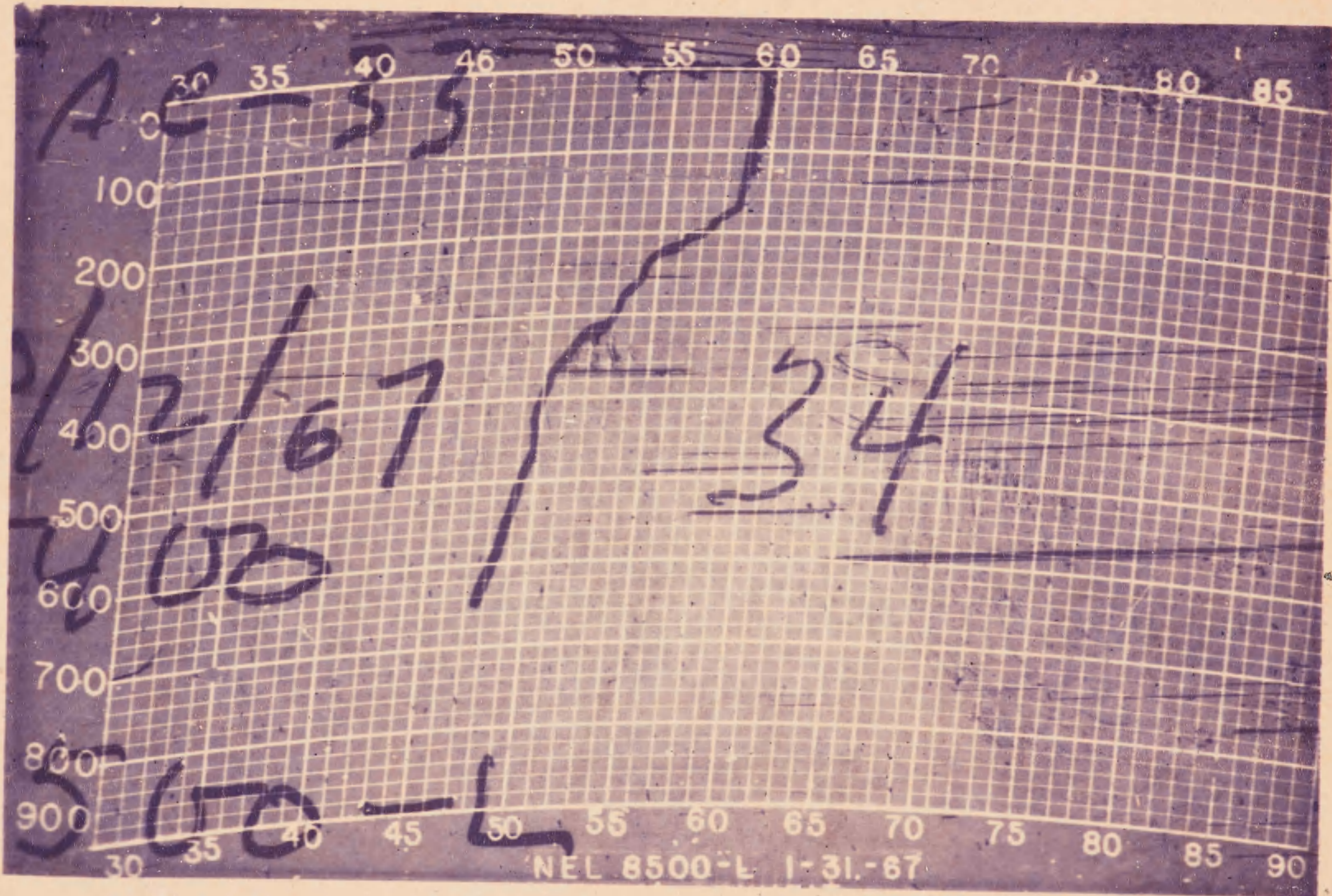
SWELL DIR HT PER

TCS -0.5 R DCS D

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 6060 (REV 1956) Scripps Institution of Oceanography



SIO NO 884 KEY 35 30122
NODC NO 14994 CARD NO 35 GCT 1200 DATE XII-21-67

VESSEL REXBURG

LAT 30°53' N LONG 122°40' W DEPTH SPD

SURF T 61.2 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

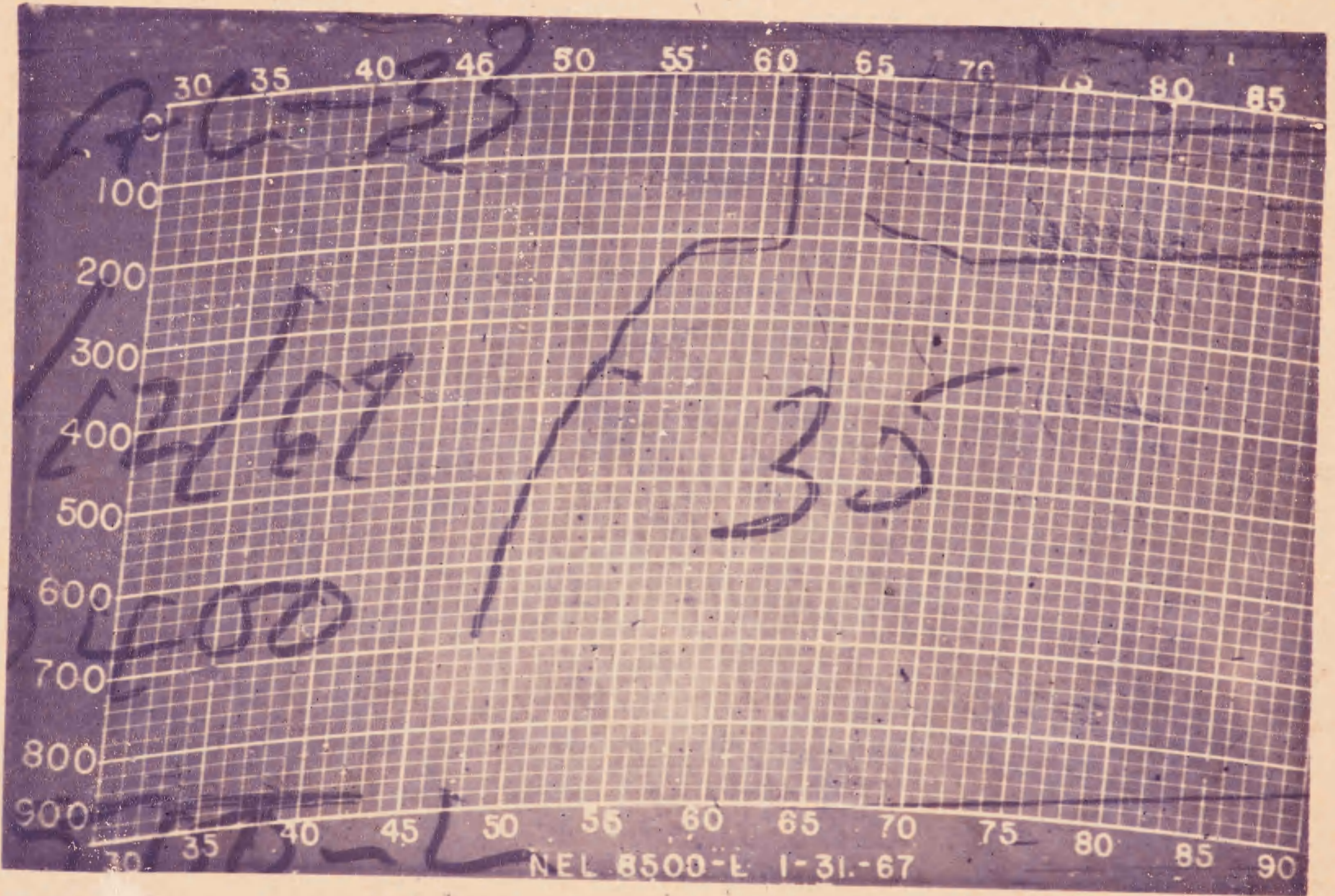
SWELL DIR HT PER

TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



NEL 8500-E 1-31-67

SIO NO 884 36 KEY 30121

NODC NO 14991 CARD NO 36 GCT 1600 DATE XII-21-67

VESSEL REXBURG

LAT 30°50' N LONG 121°40' W DEPTH SPD

SURF T 61.0 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

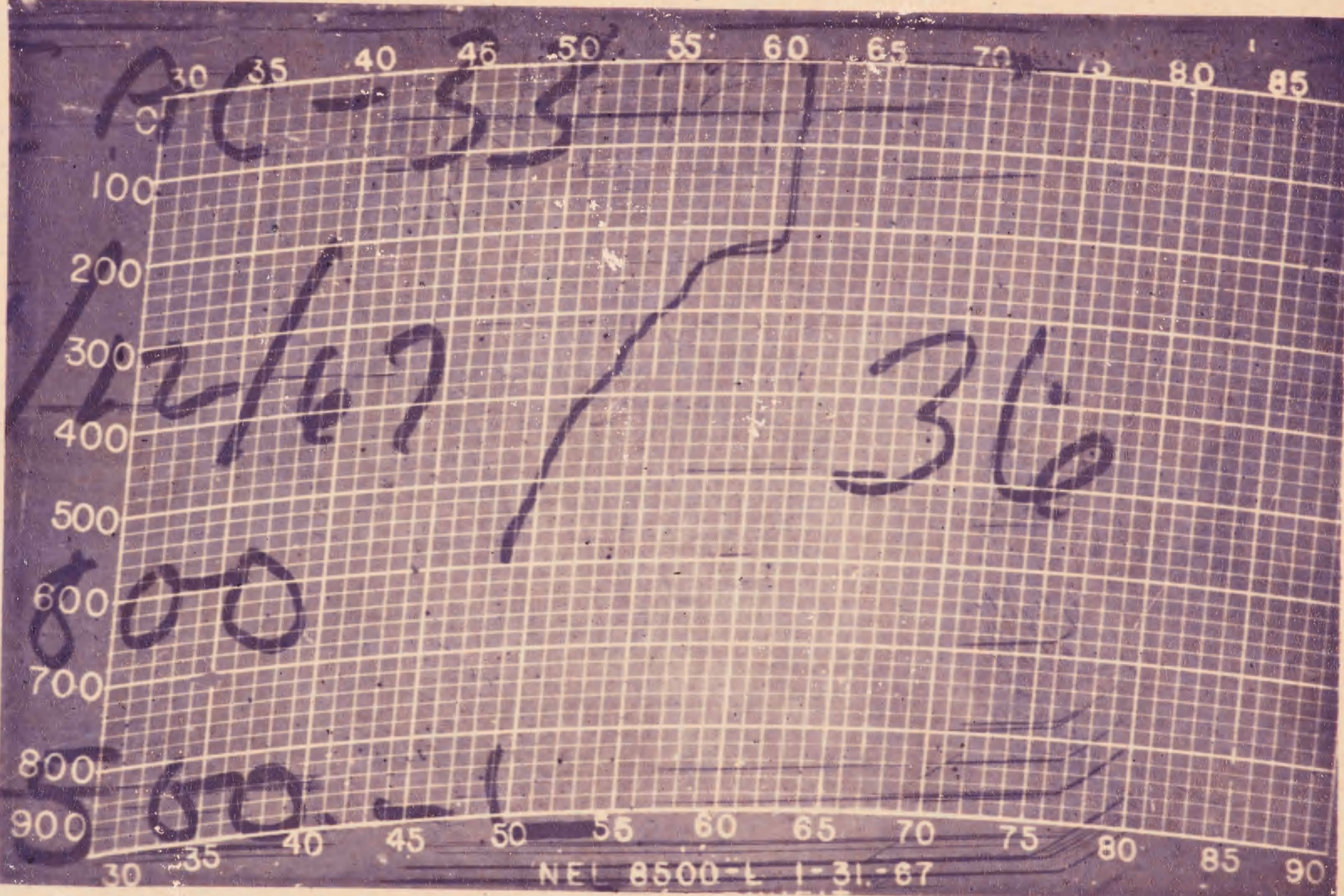
SWELL DIR HT PER

TCS -0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



NEI 8500-L 1-31-67

SIO NO 884 37 KEY 30121

NODC NO 14994 CARD NO 37 GCT 2000 DATE XII-21-67

VESSEL REXBURG

LAT 30°50' N LONG 121° 00' W DEPTH SPD

SURF T 61.0 R WIND D F DRY T WET T

BAR WEA CL T C VIS SEA

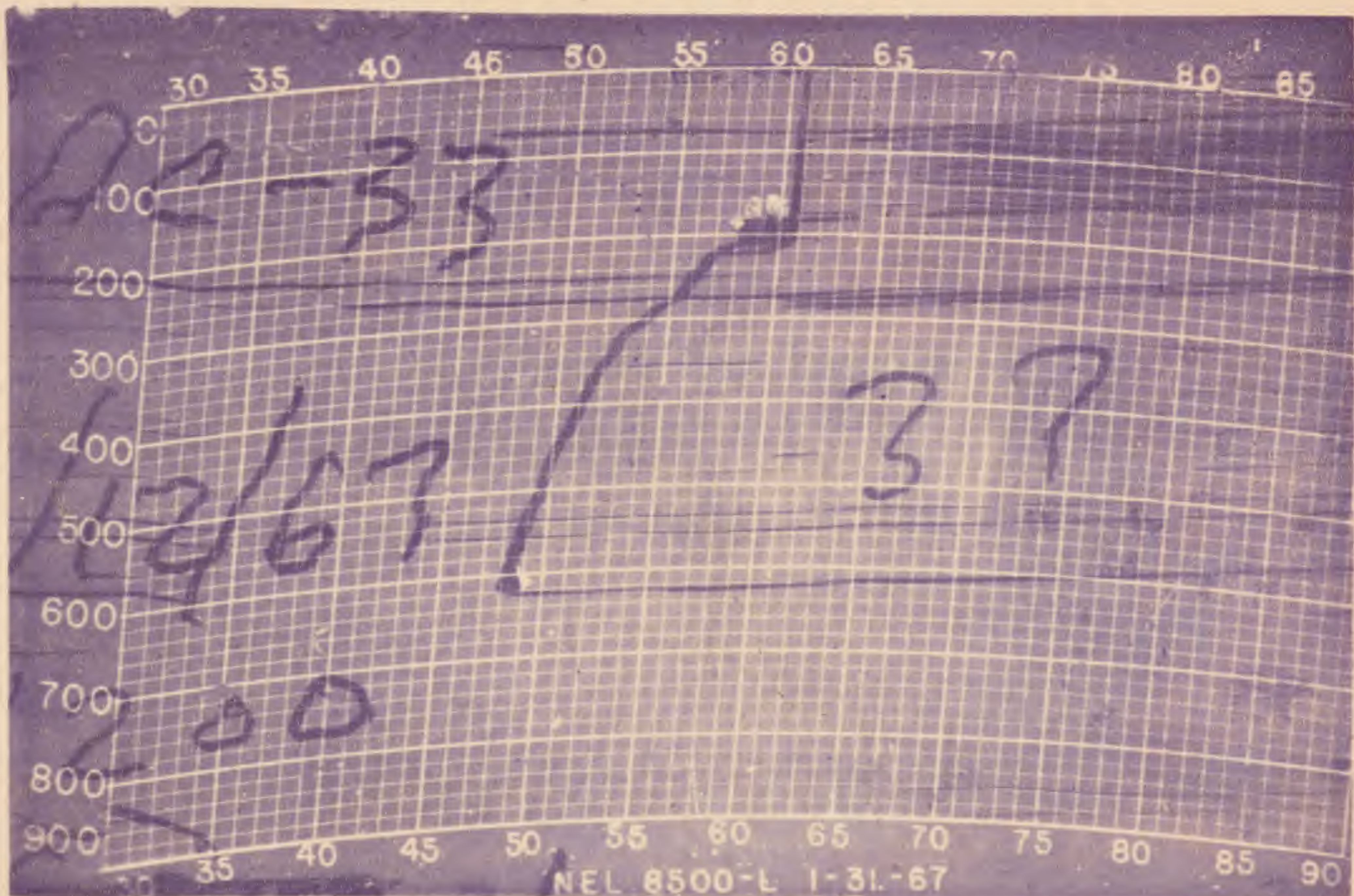
SWELL DIR HT PER

TCS — 0.5 R DCS 0

WMO Codes Used

SEP 03 1968

CODE GIVEN IN US NAVY HO PUBL 606c (REV 1956) Scripps Institution of Oceanography



NEL 8500-L 1-31-67

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884 0008 REXBURG 00951 02

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884 0009 REXBURG 00951 02

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884 0029 REXBURG 00951 02

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884 0030 REXBURG 00951 02

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161 161 161 161 160 160 160 161 161 161 161 161 161 161 161 161 160 159 153 148 603

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14995 017 3 31 G2 121 08 01 68 2000 3232N 12511W 27 3 -18-09 A 0105 02

885 0020 MARYSVILLE 00952 02

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885 0023 MARYSVILLE 00952 02

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885 0024 MARYSVILLE 00952 02

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171 171 171 171 171 171 170 169 166 163 163 161 159 158 156 151 148 145 141 137 603

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885 0033 MARYSVILLE 00952 02

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106 605

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

Pacific Program, P.O. Box 8095, Honolulu, Hawaii 96815

December 3, 1968

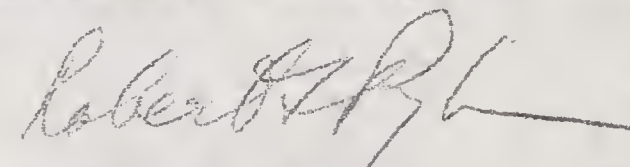
M's Margaret K. Robinson
Bathythermograph Section
Scripps Institution of Oceanography
P.O. Box 109
La Jolla, California 92038

Dear M's Robinson:

Thank you very much for sending the cards and IBM listings for the REXBURG and MARYSVILLE cruises. I am sorry about the difficulty with reference temperatures for the MARYSVILLE, but am afraid these data were not taken under the best of conditions.

We very much appreciate the work you have done for us in processing our BT data from the eastern Pacific. It seems unlikely now that we will be conducting any more study cruises in that area, but if we should we would look forward to cooperating with you again.

Sincerely yours,



Robert L. Pyle
Field Director

UNIVERSITY OF CALIFORNIA, SAN DIEGO

BERKELEY • DAVIS • IRVINE • LOS ANGELES • RIVERSIDE • SAN DIEGO • SAN FRANCISCO



SANTA BARBARA • SANTA CRUZ

SCRIPPS INSTITUTION OF OCEANOGRAPHY

POST OFFICE BOX 109
LA JOLLA, CALIFORNIA 92038

November 6, 1968

Mr. Robert L. Pyle
Field Director
Smithsonian Institution
Pacific Program
P. O. Box 8095
Honolulu, Hawaii - 96815

Dear Mr. Pyle:

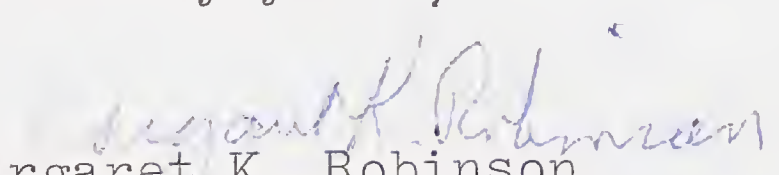
Enclosed are BT cards for cruises 14994, REXBURG, and 14995, MARYSVILLE, together with IBM listing of the data, template and explanation sheet to assist you in interpreting the listing. You may retain the templet and explanation sheet to be used with future listings.

I am sorry for the delay in forwarding these BT cards to you but over the past few months we have been debugging our new digitizer and the computer programs associated with it. There have been some unavoidable delays in completing the data processing.

We had considerable difficulty in determining a temperature correction for the data taken on the MARYSVILLE. The relationship between the injection reference temperatures and BT readings was so erratic that it was almost impossible to make any sense out of them. However, by making a comparison with the deep temperatures on the REXBURG cruise and temperatures at 150 and 200 meters in the CALCOFI data in the same area, we finally concluded that a -3.2°F correction would be the most reasonable. With this correction, the surface temperature distribution agrees also with the BCF temperatures for the same period in that area. Also, the existence of a cold tongue extending southwest from Pt. Conception appears in both of these distributions.

I hope this explanation will assist you in interpreting the data.

Sincerely yours,


Margaret K. Robinson
Bathythermograph Section

MKR:ed
encl.

cc: (Smithsonian Inst., Washington, D.C.
(w/BT cards; w/o listing, templet &
(explanation sheet.

NODC BATHYTHERMOGRAPH

(Depth in Meters)

IDENTIFIERS			AREA		DATE-TIME			POSITION			DEPTH			WIND		AIR TEMP.		BAR. W CL		WAVE BT COR.			REF. TEMP		CODES						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
			33	34	SHIP NAME					35	36	37	38	39	40	41	42														

FIELD 43 →

0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	44	45
100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	44	45
200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	44	45
300	305	310	315	320	325	330	335	340	345	350	355	360	365	370	375	380	385	390	395	44	45
400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485	490	495	44	45

EXPLANATION SHEET
NODC BT MACHINE PRINTOUT

1 May 1964

(INPUT)

EXPLANATION OF ENTRIES
(to be used with overlay template)

General: This listing contains the digitized information from analog BT prints (or slides and log sheets). The first and second lines contain identifying reference number, time-date, position, and following lines contain the temperatures read from the BT trace at constant increments of depth: 10 feet, 5 meters, or 2 fathoms, depending on the units of the BT grid.

Tables referred to in this explanation may be found in "Instructions for Manually Digitizing Bathythermograph (BT) Data."

NOTE: This is an INPUT LISTING; no computer conversion of units (such as depth, temperature, etc.) has been performed. When converted to standard units the data will appear on a listing marked "OUTPUT"; a separate explanation of entries is required for output listings. For explanation of the format and content of NODC BT PUNCH CARDS (INPUT), refer to "Instructions for Manually Digitizing Bathythermograph (BT) Data."

EXPLANATION OF ENTRIES BY FIELD

Field

- 1 NODC REFERENCE IDENTITY NUMBER. An archive retrieval and reference number assigned by NODC. (For input data digitized from the geographically listed archives, it may be identical to the Marsden Square and unit square number.)
- 2 CONSECUTIVE PRINT NUMBER. Assigned by NODC.
- 3 QUALITY CODE. See Table 1. The code is based on a first subjective estimate of the reliability of the temperatures indicated by the BT trace at any particular depth. The quality code does not apply to the change in temperature with depth; all BT's digitized by NODC are presumed to be accurate (within the limits of the instrument system) in respect to the vertical temperature structure.

NOTE: A negative sign preceding the quality code denotes the standard precision of read-out of 0.1 degree could not be achieved (poor image, blurred trace, etc.)

Field

- 4 COUNTRY CODE. See table II. Entry reflects nationality of the agency operating the vessel.
- 5 INSTITUTE CODE. See table III. Institute operating the vessel, cruise, or BT program of cruise. A BT obtained while on an Ocean Weather Station is identified by the Ocean Station letter designator following the institute code.
- 6 MARSDEN SQUARE. (Blank on INPUT Listing)
- 7 UNIT SQUARE. 1⁰ square number.
- 8 DAY. (GMT)
- 9 MONTH. (GMT)
- 10 YEAR
- 11 HOUR AND MINUTES. (GMT) If 3 digits are shown, tenths of hours are given in place of minutes.
- 12 LATITUDE. Degrees and minutes of latitude, N or S. When given 3 digits, tenths of degrees are given in place of minutes.
- 13 LONGITUDE. Degrees and minutes of longitude, E or W. When given 4 digits, tenths of degrees are given in place of minutes.
- 14 DEPTH OF BOTTOM. See Unit Code, Field 32, and Table IX for units (generally fathoms.)
- 15 MAXIMUM TRACE DEPTH. Maximum depth of trace in tens of meters, feet, or fathoms. See Field 32 and Table IX for Units.
- 16 DEPTH OF GRID. See Table IV.
- 17 WIND DIRECTION. See Table V. (WMO Code 0877)
- 18 WIND SPEED. (Force) When preceded by letter S, wind speed is given in knots. When preceded by the letter F, wind force is given in the Beaufort scale.
- 19 AIR TEMPERATURE. Dry bulb reading. For units see Field 32 and Table IX.

Field

- 20 AIR TEMPERATURE. Wet Bulb reading. For units see Field 32 and Table IX.
- 21 BAROMETRIC PRESSURE. Tens, units, and tenths of millibars. (The tenths digit is generally not reported prior to 1963.)
- 22 WEATHER. WMO Code L501.
- 23 CLOUD TYPE AND AMOUNT. For cloud type see Table VI (WMO Code 0500) followed by cloud amount, see Table VII (WMO Code 2700.)
- 24 WAVE HEIGHT AND PERIOD. The first two columns are the height of the wind waves in whole feet or meters. (When height is given in meters the letter m will prefix the wave height entry.) The last two numerals give the wave period in seconds. Sea state (generally in Douglas Code) may be given in place of wave height and period. In this case the wave period is left blank and the Sea State Code is given with the letter X as prefix.
- 25 TCS. The TCS (Temperature Correction Slide) applied to the slide is given in degrees and tenths. For units see Field 32, Table IX. If TCS is not known (or known and not applied) field is blank. Some of the historical data has had a camera correction (after 0.0°F) entered in the TCS field rather than the computed TCS. If special slide corrections have been applied they are included in the TCS.
- NOTE: When the TCS is pre-fixed with the letter S, the value is to be applied to the read-out temperatures. (Add or subtract this number from the temperature values printed below.)
- 26 DSP. Depth correction applied to slide. Units are the same as grid depth units. This field is rarely reported for historical data.
- 27 REFERENCE TEMPERATURE CODE. See Table VIII.
- 28 THE REFERENCE TEMPERATURE. The reference temperature to tenths of a degree. For units, see Field 32 and Table IX.

Field

- 29 INSTRUMENT CODE. Assigned by NODC. Appears only on BT'S processed without TSC correction. This code will allow computer determination of TCS and correction of temperatures by computer.
- 30 INSTRUMENT TYPE. Mechanical BT is coded as 01.
- 31 CARD COUNT. Number of cards punched. Number shown should match the number of the last detail card (Field 15.)
- 32 UNIT CODE. See Table IX. The unit code entry denotes the units of depth, temperature sounding, etc., as punched on the INPUT card. Note that the depth of specific temperature entries on the detail cards must be determined by use of the correct overlay template; the unit code is the key for selecting the correct template.
- 33 ORIGINATOR'S CRUISE NUMBER.
- 34 ORIGINATOR'S SLIDE NUMBER.
- 35 SHIP'S NAME.
- 36 SHIP'S NUMBER. This is an optional entry. At this time, entry is determined by the originator or cognizant institute.
- 37-40 These fields are intended for future use. They will allow cross-reference with pertinent oceanographic station data.
- 41 FOR NODC USE ONLY. (The entry NODC denotes that NODC has assigned a number in lieu of the originator's cruise number. Used only where digitization is performed geographically rather than by cruise.)
- 42 CARD TYPE 02. Reference card identifier.
- 43 BT TEMPERATURE VALUES. BT temperature values to tenths of a degree (^oF or ^oC) at successive depths negative temperatures are preceded by a negative sign. To determine units of depth, temperature and depth of specific temperature entries, see Field 32, Table IX, and use correct overlay template.

Field

- 44 INPUT-OUTPUT CODE. Entry 1 denotes that the temperature values were obtained from BT prints. Entry 2 indicates that temperatures were read from unprocessed BT glass slides and grids. For entry 3 see below. (Additional codes pertain to output card only.)
- 45 CARD NUMBER. 03 is number of first detail card. Number of last card shown should match entry in Field 31.

SPECIAL NOTE: Card number 50 is an optional special-use flexure point card. Up to ten flexure points can be recorded. On card number 50, the flexure point depth, a 3-digit entry in whole feet or meters, precedes the respective 3-digit temperature entry. The flexure point card is further identified by a 3 in Field 44.

GENERAL NOTE: INPUT listings may carry a number of apparently incomplete entries; when only cruise and slide number (Fields 1 and 2) are shown it indicates a BT trace which could not be digitized for various reasons and is included for NODC inventory purposes only.

TABLE IX

BT UNIT CODE

CODING INTERVAL	GRID TEMP UNIT	DEPTH TO BOTTOM	AIR TEMP		BAR	TCS	REF TEMP	CODE
			DRY	WET				
10 feet	°F	FMS	°F	°F	MB	°F	°F	01
10 feet	°C	FMS	°F	°F	MB	°C	°C	06
5 meters	°C	FMS	°F	°F	MB	°C	°F	05
5 meters	°C	FMS	°F	°F	MB	°C	°C	02
2 FMS	°F	FMS	°F	°F	MB	°F	°F	09
5 meters	°C	Meters	°F	°F	MB	°C	°C	10
5 meters	°C	FMS	°C	°C	MB	°C	°C	11
6 meters	°C	FMS	°C	°C	MB	°C	°C	12
6 meters	°C	Meters	°C	°C	MB	°C	°C	13
5 meters	°C	Meters	°C	°C	MB	°C	°C	14
10 feet	°F	Meters	°C	°C	MB	°F	°C	15
10 feet	°F	FMS	°C	°C	MB	°F	°C	16

NOTE: The entries, 3, 4, 7, and 8 (equivalent to 01, 02, 05, and 06, respectively), are redundant under the present unit code system. However, since these are valid entries on older digitized data, these numerals cannot be reassigned to future groups of units.