

Vessel Professor Kaganovsky

Project & Leg PK-98-01

Station Designation

Page 38 of 66

Type & SN SBE 19 s/n 650
Press SN 194208-650N. Brown #1150
s/n 01-1172

Consc Cast # Lat

Lon

Date: day/month/yr

Time (GMT)

Dry bulb

Wet Bulb

Press (mb)

Sea State Vis

CTD037

57 55.662

169

K.134

15/9/98

0030

9.0

3.06

2 m

8 m

Sta Name/ID

163

Wind Dir/Speed

140/20

Cloud Amt

8/8

Type

Bottom Depth

72 m

Remarks

Max Depth

64 m

Cleaned Air bleed Valve

✓

Pos. Trip Depth

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut. Chl.

1

64

Pressure

CTD Converted Monitor Values

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Nut. Chl.

2

50

Pressure

CTD Converted Monitor Values

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Nut. Chl.

3

40

Pressure

CTD Converted Monitor Values

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Nut. Chl.

4

30

Pressure

CTD Converted Monitor Values

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Nut. Chl.

5

20

Pressure

CTD Converted Monitor Values

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Nut. Chl.

6

10

Pressure

CTD Converted Monitor Values

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Nut. Chl.

7

0

Pressure

CTD Converted Monitor Values

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Nut. Chl.

8

0

Pressure

CTD Converted Monitor Values

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Nut. Chl.

9

0

Pressure

CTD Converted Monitor Values

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Nut. Chl.

10

0

Pressure

CTD Converted Monitor Values

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Nut. Chl.

11

0

Pressure

CTD Converted Monitor Values

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Nut. Chl.

12

0

Pressure

CTD Converted Monitor Values

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Nut. Chl.

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Station Designation

Page 39 of 66

Type & SN SBE 19 s/n 650
Press SN 194208-650N. Brown #1150
s/n 01-1172

Consc Cast # Lat

Lon

Date: day/month/yr

Time (GMT)

Dry bulb

Wet Bulb

Press (mb)

Sea State Vis

CTD 038

SV

03.97

168

44.45

15/9/98

0301

10.0

10.0

10.0

2m

75m

Sta. Name/ID

Wind Dir/Speed

200/14

Cloud Amt

Type

Weather

Bottom Depth

169

Remarks

Max Depth

67m

Cleaned Air bleed Valve

Pos.

Trip Depth

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut.

Chl.

1

67

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut.

Chl.

Sample Bottle Number

Sal.

Nut.

Chl.

2

50

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut.

Chl.

Sample Bottle Number

Sal.

Nut.

Chl.

3

50

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut.

Chl.

Sample Bottle Number

Sal.

Nut.

Chl.

4

30

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut.

Chl.

Sample Bottle Number

Sal.

Nut.

Chl.

5

20

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut.

Chl.

Sample Bottle Number

Sal.

Nut.

Chl.

6

20

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut.

Chl.

Sample Bottle Number

Sal.

Nut.

Chl.

7

20

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut.

Chl.

Sample Bottle Number

Sal.

Nut.

Chl.

8

20

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut.

Chl.

Sample Bottle Number

Sal.

Nut.

Chl.

9

20

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut.

Chl.

Sample Bottle Number

Sal.

Nut.

Chl.

10

20

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut.

Chl.

Sample Bottle Number

Sal.

Nut.

Chl.

11

20

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut.

Chl.

Sample Bottle Number

Sal.

Nut.

Chl.

12

20

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut.

Chl.

Sample Bottle Number

Sal.

Nut.

Chl.

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Project & Leg PK-98-01

Station Designation

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Type & SN SBE 19 s/n 650
Press SN 194208-650N. Brown #1150
s/n 01-1172

Consc Cast # Lat 57 51.19

Lon 168

Date: day/mo/yr 15/9/98

Time (GMT) 0516

Dry bulb 9.0

Wet Bulb

Press (mb)

Sea State 2m

Vis

Sta. Name/ID

Wind Dir/Speed 200/27

Cloud Amt

Type

Weather

Bottom Depth 75m

Max Depth 105

Remarks

Cleaned Air bleed Valve ✓

| Pos. | Trip Depth | Pressure | CTD Converted Monitor Values | Salinity | Sample Bottle Data | Salinity | Sample Bottle Number | Nut. Chl. |
|------|------------|----------|------------------------------|----------|--------------------|----------|----------------------|-----------|
| 1 | 67 | | | | | | 1009 | ✓ |
| 2 | 50 | | | | | | 1008 | ✓ |
| 3 | 40 | | | | | | 1007 | ✓ |
| 4 | 35 | | | | | | 1006 | ✓ |
| 5 | 30 | | | | | | 1005 | ✓ |
| 6 | 20 | | | | | | 1004 | ✓ |
| 7 | 10 | | | | | | | |
| 8 | 0 | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |

Vessel Professor Kaganovsky

Project & Leg PK-98-01

Station Designation

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Type & SN SBE 19 s/n 650

N. Brown #1150

Press SN 194208-650

s/n 01-1172

Consc Cast #

Lat

Lon

Date: day/month/yr

Time (GMT)

Dry bulb

Wet Bulb

Press (mb)

Sea State

Vis

CTD0040

57

39.36 N

169

00.87

15/9/98

0852

9.0

Cloud Amt

Type

Weather

Bottom Depth

Sta. Name/ID

Wind Dir/Speed

200/20

9.0

Type

Weather

Bottom Depth

Sta. Name/ID

Wind Dir/Speed

200/20

9.0

Type

Weather

Bottom Depth

Sta. Name/ID

Remarks

Max Depth

65 m

Cleaned Air bleed Valve /

Pos.

Trip Depth

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sal.

Sample Bottle Number

Nut. Chl.

1

65

Pressure

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sal.

Sample Bottle Number

Nut. Chl.

2

50

Pressure

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sal.

Sample Bottle Number

Nut. Chl.

3

40

Pressure

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sal.

Sample Bottle Number

Nut. Chl.

4

30

Pressure

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sal.

Sample Bottle Number

Nut. Chl.

5

20

Pressure

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sal.

Sample Bottle Number

Nut. Chl.

6

10

Pressure

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sal.

Sample Bottle Number

Nut. Chl.

7

0

Pressure

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sal.

Sample Bottle Number

Nut. Chl.

8

-

Pressure

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sal.

Sample Bottle Number

Nut. Chl.

9

-

Pressure

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sal.

Sample Bottle Number

Nut. Chl.

10

-

Pressure

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sal.

Sample Bottle Number

Nut. Chl.

11

-

Pressure

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sal.

Sample Bottle Number

Nut. Chl.

12

-

Pressure

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sal.

Sample Bottle Number

Nut. Chl.

| | |
|-----------|----------------|
| Type & SN | SBE 19 s/n 650 |
| Press SN | 194208-650 |

N. Brown #1150
s/n 01-1172

[illegible]

| Consc Cast # | Lat |
|--------------|-----|
|--------------|-----|

Lon

Date: day/month/yr

Time (GN

Dry bulb

Wet Bulb

Press (m

Sea State Vis

Wind Dir/Speed

Cloud Armit

Type

Weat

Bottom Depth

Sta.Name/ID

Remarks

Max Depth

Cleaned Air bleed Valve

| Pos. | Trip Depth |
|------|------------|
| 1 | 100 |
| 2 | 100 |
| 3 | 100 |
| 4 | 100 |
| 5 | 100 |
| 6 | 100 |
| 7 | 100 |
| 8 | 100 |
| 9 | 100 |
| 10 | 100 |
| 11 | 100 |
| 12 | 100 |
| 13 | 100 |
| 14 | 100 |
| 15 | 100 |
| 16 | 100 |
| 17 | 100 |
| 18 | 100 |
| 19 | 100 |
| 20 | 100 |
| 21 | 100 |
| 22 | 100 |
| 23 | 100 |
| 24 | 100 |
| 25 | 100 |
| 26 | 100 |
| 27 | 100 |
| 28 | 100 |
| 29 | 100 |
| 30 | 100 |
| 31 | 100 |
| 32 | 100 |
| 33 | 100 |
| 34 | 100 |
| 35 | 100 |
| 36 | 100 |
| 37 | 100 |
| 38 | 100 |
| 39 | 100 |
| 40 | 100 |
| 41 | 100 |
| 42 | 100 |
| 43 | 100 |
| 44 | 100 |
| 45 | 100 |
| 46 | 100 |
| 47 | 100 |
| 48 | 100 |
| 49 | 100 |
| 50 | 100 |
| 51 | 100 |
| 52 | 100 |
| 53 | 100 |
| 54 | 100 |
| 55 | 100 |
| 56 | 100 |
| 57 | 100 |
| 58 | 100 |
| 59 | 100 |
| 60 | 100 |
| 61 | 100 |
| 62 | 100 |
| 63 | 100 |
| 64 | 100 |
| 65 | 100 |
| 66 | 100 |
| 67 | 100 |
| 68 | 100 |
| 69 | 100 |
| 70 | 100 |
| 71 | 100 |
| 72 | 100 |
| 73 | 100 |
| 74 | 100 |
| 75 | 100 |
| 76 | 100 |
| 77 | 100 |
| 78 | 100 |
| 79 | 100 |
| 80 | 100 |
| 81 | 100 |
| 82 | 100 |
| 83 | 100 |
| 84 | 100 |
| 85 | 100 |
| 86 | 100 |
| 87 | 100 |
| 88 | 100 |
| 89 | 100 |
| 90 | 100 |
| 91 | 100 |
| 92 | 100 |
| 93 | 100 |
| 94 | 100 |
| 95 | 100 |
| 96 | 100 |
| 97 | 100 |
| 98 | 100 |
| 99 | 100 |
| 100 | 100 |

Pressure

| CTD Converted Monitor Values | |
|------------------------------|-----------|
| Pri. Temp | Sec. Temp |

Salinity

Sample Bottle Data

Salinity

Sol.

Nut. Chl.

21

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|------|---|---|---|---|---|---|---|---|---|----|----|----|
| 9653 | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | |

| | 2052 | 2051 | 2050 |
|-----------|------|------|------|
| Exp. (mm) | | | |
| 10 | X | X | X |
| 20 | X | X | X |
| 30 | X | X | X |
| 40 | X | X | X |
| 50 | X | X | X |
| 60 | X | X | X |
| 70 | X | X | X |
| 80 | X | X | X |
| 90 | X | X | X |
| 100 | X | X | X |
| 110 | X | X | X |
| 120 | X | X | X |

Vessel Professor Kaganovsky

Project & Leg PK-98-01

Station Designation 109-1

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Type & SN SBE 19 s/n 650
Press SN 194208-650N. Brown #1150
s/n 01-1172

Consc Cast # 43

Lat 57

32.00

Lon 166

44.00

Date: day/month/year 15-09-98

Time (GMT) 1806

Dry bulb 8.0

Wet Bulb

Press (mb) 1036.0

Sea State 3.5m

Sta. Name/ID 109

Wind Dir/Speed 180/16K

Cloud Amt 8/8

Type

Weather CL

Bottom Depth 68

Remarks

Max Depth 65.5

Sea cast on
no bottom
Cleaned Air bleed Valve ✓

| Pos. | Trip Depth | Pressure | CTD Converted Monitor Values | Salinity | Sample Bottle Data | Sample Bottle Number |
|------|------------|----------|------------------------------|-----------|--------------------|----------------------|
| | | | Pri. Temp | Sec. Temp | Salinity | Nut. Chl. |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |

Vessel Professor Kaganovsky

Project & Leg PK-98-01

Station Designation

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Type & SN SBE 19 s/n 650
Press SN 194208-650N. Brown #1150
s/n 01-1172

Consc Cast # Lat

Lon

Date: day/month/yr

Time (GMT)

Dry bulb

Wet Bulb

Press (mb)

Sea State Vis

CTD 047 56

55.4 N

163

47.8 W

16/9/98

0735

8.0

1028

2.5 m

69 m

Sta. Name/ID

Wind Dir/Speed

180/27

Remarks

Max Depth

61 m

Cleaned Air bleed Valve

✓

| Pos. | Trip Depth | Pressure | CTD Converted Monitor Values | Salinity | Sample Bottle Data | Sample Bottle Number |
|------|------------|----------|------------------------------|-----------|--------------------|----------------------|
| | | | Pri. Temp | Sec. Temp | Salinity | Nut. Chl. |
| 1 | 61 | | | | | 2070 ✓ |
| 2 | 50 | | | | | 2069 ✓ |
| 3 | 40 | | | | | 2068 ✓ |
| 4 | 30 | | | | | 2067 ✓ |
| 5 | 20 | | | | | 2066 ✓ |
| 6 | 10 | | | | | 2065 ✓ |
| 7 | 0 | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |

Vessel Professor Kaganovsky

Project & Leg PK-98-01

Station Designation

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Type & SN SBE 19 s/n 650
Press SN 194208-650N. Brown #1150
s/n 01-1172

Consc Cast # Lat

Lon

Date: day/mo/yr

Time (GMT)

Dry bulb

Wet Bulb

Press (mb)

Sea State

Vis

CND049 56 44.05163

52.61614/98

Wind Dir/Speed

180/23

8.0
Cloud Amt

Type

1025
Weather4m
Bottom Depth

4m

Sta. Name/ID

9

3

fair

7-1

115-1

Remarks

Seacast on

Max Depth

69

Cleaned Air bleed Valve

Pos. Trip Depth

Pressure

CTD Converted Monitor Values
Pri. Temp Sec. Temp

Salinity

Sample Bottle Data
Salinity

Sal.

Sample Bottle Number
Nut. Chl.

1 69

50

46

30

20

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| | | |
|-----------|----------------|----------------|
| Type & SN | SBE 19 s/n 650 | N. Brown #1150 |
| Press SN | 194208-650 | s/n 01-1172 |

s/n 01-1172

CTD 50

| Consc Cast # | Lat |
|--------------|-----|
| 1 | 100 |
| 2 | 100 |
| 3 | 100 |
| 4 | 100 |
| 5 | 100 |
| 6 | 100 |
| 7 | 100 |
| 8 | 100 |
| 9 | 100 |
| 10 | 100 |
| 11 | 100 |
| 12 | 100 |
| 13 | 100 |
| 14 | 100 |
| 15 | 100 |
| 16 | 100 |
| 17 | 100 |
| 18 | 100 |
| 19 | 100 |
| 20 | 100 |
| 21 | 100 |
| 22 | 100 |
| 23 | 100 |
| 24 | 100 |
| 25 | 100 |
| 26 | 100 |
| 27 | 100 |
| 28 | 100 |
| 29 | 100 |
| 30 | 100 |
| 31 | 100 |
| 32 | 100 |
| 33 | 100 |
| 34 | 100 |
| 35 | 100 |
| 36 | 100 |
| 37 | 100 |
| 38 | 100 |
| 39 | 100 |
| 40 | 100 |
| 41 | 100 |
| 42 | 100 |
| 43 | 100 |
| 44 | 100 |
| 45 | 100 |
| 46 | 100 |
| 47 | 100 |
| 48 | 100 |
| 49 | 100 |
| 50 | 100 |
| 51 | 100 |
| 52 | 100 |
| 53 | 100 |
| 54 | 100 |
| 55 | 100 |
| 56 | 100 |
| 57 | 100 |
| 58 | 100 |
| 59 | 100 |
| 60 | 100 |
| 61 | 100 |
| 62 | 100 |
| 63 | 100 |
| 64 | 100 |
| 65 | 100 |
| 66 | 100 |
| 67 | 100 |
| 68 | 100 |
| 69 | 100 |
| 70 | 100 |
| 71 | 100 |
| 72 | 100 |
| 73 | 100 |
| 74 | 100 |
| 75 | 100 |
| 76 | 100 |
| 77 | 100 |
| 78 | 100 |
| 79 | 100 |
| 80 | 100 |
| 81 | 100 |
| 82 | 100 |
| 83 | 100 |
| 84 | 100 |
| 85 | 100 |
| 86 | 100 |
| 87 | 100 |
| 88 | 100 |
| 89 | 100 |
| 90 | 100 |
| 91 | 100 |
| 92 | 100 |
| 93 | 100 |
| 94 | 100 |
| 95 | 100 |
| 96 | 100 |
| 97 | 100 |
| 98 | 100 |
| 99 | 100 |
| 100 | 100 |

Lon

Date: day/month/yr

Time (GMT)

ing bulb

Wet Barb

Press (mb)

Sea State Vis

ETD 50

56 46.14

164 1934

Wind Dir/Speed 16-2-98

1513
180-23

8.8 Cloud

| Type | Count |
|------|-------|
| 1 | 1 |
| 2 | 1 |
| 3 | 1 |
| 4 | 1 |
| 5 | 1 |
| 6 | 1 |
| 7 | 1 |
| 8 | 1 |
| 9 | 1 |
| 10 | 1 |
| 11 | 1 |
| 12 | 1 |
| 13 | 1 |
| 14 | 1 |
| 15 | 1 |
| 16 | 1 |
| 17 | 1 |
| 18 | 1 |
| 19 | 1 |
| 20 | 1 |
| 21 | 1 |
| 22 | 1 |
| 23 | 1 |
| 24 | 1 |
| 25 | 1 |
| 26 | 1 |
| 27 | 1 |
| 28 | 1 |
| 29 | 1 |
| 30 | 1 |
| 31 | 1 |
| 32 | 1 |
| 33 | 1 |
| 34 | 1 |
| 35 | 1 |
| 36 | 1 |
| 37 | 1 |
| 38 | 1 |
| 39 | 1 |
| 40 | 1 |
| 41 | 1 |
| 42 | 1 |
| 43 | 1 |
| 44 | 1 |
| 45 | 1 |
| 46 | 1 |
| 47 | 1 |
| 48 | 1 |
| 49 | 1 |
| 50 | 1 |
| 51 | 1 |
| 52 | 1 |
| 53 | 1 |
| 54 | 1 |
| 55 | 1 |
| 56 | 1 |
| 57 | 1 |
| 58 | 1 |
| 59 | 1 |
| 60 | 1 |
| 61 | 1 |
| 62 | 1 |
| 63 | 1 |
| 64 | 1 |
| 65 | 1 |
| 66 | 1 |
| 67 | 1 |
| 68 | 1 |
| 69 | 1 |
| 70 | 1 |
| 71 | 1 |
| 72 | 1 |
| 73 | 1 |
| 74 | 1 |
| 75 | 1 |
| 76 | 1 |
| 77 | 1 |
| 78 | 1 |
| 79 | 1 |
| 80 | 1 |
| 81 | 1 |
| 82 | 1 |
| 83 | 1 |
| 84 | 1 |
| 85 | 1 |
| 86 | 1 |
| 87 | 1 |
| 88 | 1 |
| 89 | 1 |
| 90 | 1 |
| 91 | 1 |
| 92 | 1 |
| 93 | 1 |
| 94 | 1 |
| 95 | 1 |
| 96 | 1 |
| 97 | 1 |
| 98 | 1 |
| 99 | 1 |
| 100 | 1 |

| | |
|------|---------|
| 1023 | Weather |
|------|---------|

4 m 5
Bottom Depth

| Sta. Name/ID | Lat | Long | Alt | Time | Temp | Humidity | Wind | Pressure | Clouds | Notes |
|--------------|-------|---------|------|-------|------|----------|------|----------|--------|-------|
| 1 | 34.05 | -118.24 | 1000 | 12:00 | 75 | 65 | 10 | 30.0 | 10 | Clear |
| 2 | 34.06 | -118.25 | 1000 | 12:05 | 76 | 66 | 11 | 30.0 | 10 | Clear |
| 3 | 34.07 | -118.26 | 1000 | 12:10 | 77 | 67 | 12 | 30.0 | 10 | Clear |
| 4 | 34.08 | -118.27 | 1000 | 12:15 | 78 | 68 | 13 | 30.0 | 10 | Clear |
| 5 | 34.09 | -118.28 | 1000 | 12:20 | 79 | 69 | 14 | 30.0 | 10 | Clear |
| 6 | 34.10 | -118.29 | 1000 | 12:25 | 80 | 70 | 15 | 30.0 | 10 | Clear |
| 7 | 34.11 | -118.30 | 1000 | 12:30 | 81 | 71 | 16 | 30.0 | 10 | Clear |
| 8 | 34.12 | -118.31 | 1000 | 12:35 | 82 | 72 | 17 | 30.0 | 10 | Clear |
| 9 | 34.13 | -118.32 | 1000 | 12:40 | 83 | 73 | 18 | 30.0 | 10 | Clear |
| 10 | 34.14 | -118.33 | 1000 | 12:45 | 84 | 74 | 19 | 30.0 | 10 | Clear |
| 11 | 34.15 | -118.34 | 1000 | 12:50 | 85 | 75 | 20 | 30.0 | 10 | Clear |
| 12 | 34.16 | -118.35 | 1000 | 12:55 | 86 | 76 | 21 | 30.0 | 10 | Clear |
| 13 | 34.17 | -118.36 | 1000 | 13:00 | 87 | 77 | 22 | 30.0 | 10 | Clear |
| 14 | 34.18 | -118.37 | 1000 | 13:05 | 88 | 78 | 23 | 30.0 | 10 | Clear |
| 15 | 34.19 | -118.38 | 1000 | 13:10 | 89 | 79 | 24 | 30.0 | 10 | Clear |
| 16 | 34.20 | -118.39 | 1000 | 13:15 | 90 | 80 | 25 | 30.0 | 10 | Clear |
| 17 | 34.21 | -118.40 | 1000 | 13:20 | 91 | 81 | 26 | 30.0 | 10 | Clear |
| 18 | 34.22 | -118.41 | 1000 | 13:25 | 92 | 82 | 27 | 30.0 | 10 | Clear |
| 19 | 34.23 | -118.42 | 1000 | 13:30 | 93 | 83 | 28 | 30.0 | 10 | Clear |
| 20 | 34.24 | -118.43 | 1000 | 13:35 | 94 | 84 | 29 | 30.0 | 10 | Clear |
| 21 | 34.25 | -118.44 | 1000 | 13:40 | 95 | 85 | 30 | 30.0 | 10 | Clear |
| 22 | 34.26 | -118.45 | 1000 | 13:45 | 96 | 86 | 31 | 30.0 | 10 | Clear |
| 23 | 34.27 | -118.46 | 1000 | 13:50 | 97 | 87 | 32 | 30.0 | 10 | Clear |
| 24 | 34.28 | -118.47 | 1000 | 13:55 | 98 | 88 | 33 | 30.0 | 10 | Clear |
| 25 | 34.29 | -118.48 | 1000 | 14:00 | 99 | 89 | 34 | 30.0 | 10 | Clear |
| 26 | 34.30 | -118.49 | 1000 | 14:05 | 100 | 90 | 35 | 30.0 | 10 | Clear |
| 27 | 34.31 | -118.50 | 1000 | 14:10 | 101 | 91 | 36 | 30.0 | 10 | Clear |
| 28 | 34.32 | -118.51 | 1000 | 14:15 | 102 | 92 | 37 | 30.0 | 10 | Clear |
| 29 | 34.33 | -118.52 | 1000 | 14:20 | 103 | 93 | 38 | 30.0 | 10 | Clear |
| 30 | 34.34 | -118.53 | 1000 | 14:25 | 104 | 94 | 39 | 30.0 | 10 | Clear |
| 31 | 34.35 | -118.54 | 1000 | 14:30 | 105 | 95 | 40 | 30.0 | 10 | Clear |
| 32 | 34.36 | -118.55 | 1000 | 14:35 | 106 | 96 | 41 | 30.0 | 10 | Clear |
| 33 | 34.37 | -118.56 | 1000 | 14:40 | 107 | 97 | 42 | 30.0 | 10 | Clear |
| 34 | 34.38 | -118.57 | 1000 | 14:45 | 108 | 98 | 43 | 30.0 | 10 | Clear |
| 35 | 34.39 | -118.58 | 1000 | 14:50 | 109 | 99 | 44 | 30.0 | 10 | Clear |
| 36 | 34.40 | -118.59 | 1000 | 14:55 | 110 | 100 | 45 | 30.0 | 10 | Clear |
| 37 | 34.41 | -118.60 | 1000 | 15:00 | 111 | 101 | 46 | 30.0 | 10 | |

9

✓✓✓✓

42

116-1

Remarks

Secret.

Max Depth

72

Cleaned Air bleed Valve

| Pos. | Trip Depth | CTD Converted Monitor Values | | | | Sample Bottle Data | | Sample Bottle Number | |
|------|------------|------------------------------|-----------|-----------|----------|--------------------|------|----------------------|------|
| | | Pressure | Pri. Temp | Sec. Temp | Salinity | Salinity | Sal. | Nut. | Chl. |
| 1 | bottom 72 | | | | | | 25 | 2086 | |
| 2 | 50 | | | | | | | 2087 | X |
| 3 | 40 | | | | | | | 2089 | X |
| 4 | 30 | | | | | | | - | X |
| 5 | 20 | | | | | | | 2079 | X |
| 6 | 10 | | | | | | | 2078 | X |
| 7 | 0 | | | | | | | 2077 | X |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |

Vessel Professor Kaganovsky

Project & Leg PK-98-01

Station Designation

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Type & SN SBE 19 s/n 650
Press SN 194208-650N. Brown #1150
s/n 01-1172

Consc Cast # Lat

Lon

Date: day/month/yr

Time (GMT)

Dry bulb

Wet Bulb

Press (mb)

Sea State Vis

CTD 051

56

37.5

166.3

37.5

16-9-98

1730

180-23

8.0

8/8

Cloud Amt

Type

Weather

Bottom Depth

Sta Name/ID

Rain

75 m

117-1

Wind Dir/Speed

8/8

Remarks

Cast on

Max Depth

no bottom

Cleaned Air bleed Valve

Pos. Trip Depth

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut. Chl.

1

2

3

4

5

6

7

8

9

10

11

12

37

1242

16-1

Type & SN SBE 19 s/n 650 N. Brown #1150
 Press SN 194208-650 s/n 01-1172

Consc Cast # Lat Lon Date: day/month Time (GMT) Dry bulb Wet Bulb Press (mb) Sea State Vis
 CT052 56 30.36 164.59.16 16/09/98 1939 10.0 8 Cloud Amt Type Weather Bottom Depth Sta Name/ID

Wind Dir/Speed
 195-16

1020 3.5m 5m Rain 78m 118-1

Remarks SeaCAT on Max Depth
 Salinity only 75
 Cleaned Air bleed Valve ✓

| Pos. | Trip Depth | CTD Converted Monitor Values | | | Sample Bottle Data | | Sample Bottle Number | | |
|------|------------|------------------------------|-----------|-----------|--------------------|----------|----------------------|-----------|--|
| | | Pressure | Pri. Temp | Sec. Temp | Salinity | Salinity | Sal. | Nut. Chl. | |
| 1 | | | | | | | | 26 | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |

Possibly some confusion on which bottle was used. Sal. sample/several were closed.

Vessel Professor Kaganovsky

Project & Leg PK-98-01

Station Designation

Page 24 of 66

Type & SN SBE 19 s/n 650

N. Brown #1150

Press SN 194208-650

s/n 01-1172

Consc Cast # 56

Lat

Lon

Date: day/month

Time (GMT)

Dry bulb

Wet Bulb

Press (mb)

Sea State

Vis

23.59 N

165

23.46 W

9-98

2146

10.0

Type

Weather

Bottom Depth

Sta. Name/ID

Wind Dir/Speed

180/16

Cloud Amt

Type

Rain

91

119-1

Remarks

SEARCH ON 83

Max Depth

Cleared Air bleed Valve

✓

Pos. Trip Depth

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut. Chl.

1

2

3

4

5

6

7

8

9

10

11

12

Vessel Professor Kaganovsky

Project & Leg PK-98-01

Station Designation

Page 55 of 66

Type & SN SBE 19 s/n 650
Press SN 194208-650N. Brown #1150
s/n 01-1172

Consc Cast #

Lat

Lon

Date: day/month

Time (GMT)

Dry bulb

Wet Bulb

Press (mb)

Sea State Vis

CTD054

36

6.53 N 165

46.13 N 179

0008

10.0

Type

Weather

Bottom Depth

Sta. Name/ID

Wind Dir/Speed

Cloud Amt

Type

Weather

Bottom Depth

Sta. Name/ID

180/16

7/8

Sc

Weather

Bottom Depth

Sta. Name/ID

Remarks

Max Depth

85 m

Cleaned Air bleed Valve

✓

Pos. Trip Depth

Pressure

CTD Converted Monitor Values

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut. Chl.

1

85

2

3

4

5

6

7

8

9

10

11

12

Vessel Professor Kaganovsky

Project & Leg PK-98-01

Station Designation

Page 57 of 66

Type & SN SBE 19 s/n 650
Press SN 194208-650N. Brown #1150
s/n 01-1172

Consc Cast # Lat

Lon

Date/day/mo/yr

Time (GMT)

Dry bulb

Wet Bulb

Press (mb)

Sea State

Vis

Sta Name/ID

Wind Dir/Speed

Cloud Amt

Type

Weather

Bottom Depth

CTD 056

35

55.11 N

166

09.69 W

17/9/98

0507

9.0

3/4

Cm Ac

2 m

10

122-1

123 m

116 m

Remarks

Max Depth

Cleaned Air bleed Valve

✓

Pos. Trip Depth

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut.

Chl.

1

100

✓

2102

2101

2100

2099

2098

2097

2096

2095

2094

2093

2092

2091

2090

2

75

✓

2102

2101

2100

2099

2098

2097

2096

2095

2094

2093

2092

2091

2090

3

50

✓

2102

2101

2100

2099

2098

2097

2096

2095

2094

2093

2092

2091

2090

4

40

✓

2102

2101

2100

2099

2098

2097

2096

2095

2094

2093

2092

2091

2090

5

30

✓

2102

2101

2100

2099

2098

2097

2096

2095

2094

2093

2092

2091

2090

6

20

✓

2102

2101

2100

2099

2098

2097

2096

2095

2094

2093

2092

2091

2090

7

10

✓

2102

2101

2100

2099

2098

2097

2096

2095

2094

2093

2092

2091

2090

8

10

✓

2102

2101

2100

2099

2098

2097

2096

2095

2094

2093

2092

2091

2090

9

10

✓

2102

2101

2100

2099

2098

2097

2096

2095

2094

2093

2092

2091

2090

10

10

✓

2102

2101

2100

2099

2098

2097

2096

2095

2094

2093

2092

2091

2090

11

10

✓

2102

2101

2100

2099

2098

2097

2096

2095

2094

2093

2092

2091

2090

12

10

✓

2102

2101

2100

2099

2098

2097

2096

2095

2094

2093

2092

2091

2090

LAST CAST + CD2

Vessel Professor Kaganovsky Project & Leg PK-98-01 Station Designation Page 56 of 66

Type & SN SBE 19 s/n 650 N. Brown #1150
Press SN 194208-650 s/n 01-1172

Consc Cast # Lat 03.42N Lon 116.18W Date: day/month/year 17/9/98 Time (GMT) 0706 Dry bulb 9.6 Wet Bulb 10.15.6 Press (mb) 1015.6 Sea State Vis 123-1

Wind Dir/Speed 220/20

Remarks Max Depth 116 m

Cleaned Air bleed Valve ✓

| Pos. | Trip Depth | Pressure | CTD Converted Monitor Values | Salinity | Sample Bottle Data | Sample Bottle Number |
|------|------------|----------|------------------------------|-----------|--------------------|----------------------|
| | | | Pri. Temp | Sec. Temp | Salinity | Nut. Chl. |
| 1 | 150 | | | | | 2109 |
| 2 | 75 | | | | | 2108 |
| 3 | 50 | | | | | 2107 |
| 4 | 40 | | | | | 2106 |
| 5 | 30 | | | | | 2105 |
| 6 | 20 | | | | | 2104 |
| 7 | 10 | | | | | 2103 |
| 8 | 0 | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |

Vessel Professor Kaganovsky

Project & Leg PK-98-01

Station Designation

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Type & SN SBE 19 s/n 650

N. Brown #1150

Press SN 194208-650

s/n 01-1172

Consc Cast #

Lat

Lon

Date: day/month

Time (GMT)

Dry bulb

Wet Bulb

Press (mb)

Sea State

Vis

CTD 58A

56 12.46

166 2992

17/9/98

1031

Wind Dir/Speed

Cloud Amt

Type

Weather

Bottom Depth

Sta. Name/ID

Remarks Saccat on

Max Depth

Cleaned Air bleed Valve

Pos. Trip Depth

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sal.

Nut. Chl.

1

2

3

4

5

6

7

8

9

10

11

12

This is the second cast at this station. The second
downed for the bottles only. Saccat was on but
Neil Brown was not recording for this cast.

34

9-1

Vessel Professor Kaganovsky

Project & Leg PK-98-01

Station Designation

Page 60 of 66

Type & SN SBE 19 s/n 650
Press SN 194208-650

N. Brown #1150
s/n 01-1172

Consc Cast # Lat Lon Date: day/month Time (GMT) Dry bulb Wet Bulb Press (mb) Sea State Vis
CTD059 55 59.14 166 34.77 17/9/98 1326 9.0 10.1 4m 12+
Wind Dir/Speed 200/21 Cloud Amt 0 Bottom Depth 12.5 Sta. Name/ID 125-1

Remarks
SAND ON

Max Depth
12.0

Cleaned Air bleed Valve ✓

| Pos. | Trip Depth | Pressure | CTD Converted Monitor Values | Salinity | Sample Bottle Data | Sample Bottle Number |
|------|------------|----------|------------------------------|-----------|--------------------|----------------------|
| | | | Pri. Temp | Sec. Temp | Salinity | Nut. Chl. |
| 1 | 119 Bottom | | | | | |
| 2 | 100 | | | | | 2374 |
| 3 | 75 | | | | | 2376 |
| 4 | 50 | | | | | 2377 |
| 5 | 40 | | | | | 2376 |
| 6 | 30 | | | | | — |
| 7 | 20 | | | | | 2375 |
| 8 | 10 | | | | | 2374 |
| 9 | 0 | | | | | 2373 |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |

20f

Vessel Professor Kaganovsky

Project & Leg PK-98-01

Station Designation

Page 61 of 66

Type & SN SBE 19 s/n 650
Press SN 194208-650N. Brown #1150
s/n 01-1172

Consc Cast # 55

Lat 54.01

Lon 166.54.24

Date: day/month/year 17-9-98

Time (GMT) 1618

Dry bulb 9.0

Wet Bulb

Press (mb) 1011

Sea State 5m

Vis 12.4

Sta. Name/ID 126-1

Wind Dir/Speed

Cloud Amt 6/8

Type

Weather pc

Bottom Depth 133

Sta. Name/ID 126-1

Remarks

SEACAST on

Max Depth 126

Cleaned Air bleed Valve ✓

| Pos. | Trip Depth | Pressure | CTD Converted Monitor Values | Salinity | Sample Bottle Data | Sample Bottle Number |
|------|------------|----------|------------------------------|-----------|--------------------|----------------------|
| | | | Pri. Temp | Sec. Temp | Salinity | Sal. Nut. Chl. |
| 1 | 126 | | | | | 30 |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |

WF

Vessel Professor Kaganovsky

Project & Leg PK-98-01

Station Designation

Page 62 of 66Type & SN SBE 19 s/n 650
Press SN 194208-650N. Brown #1150
s/n 01-1172

| Consc Cast # | Lat | Lon | Date: day/mo/yr | Time (GMT) | Dry bulb | Wet Bulb | Press (mb) | Sea State | Vis |
|--------------|-------|-----------|-----------------|------------|----------|----------|------------|-----------|-----|
| CTD 06155 | 46.00 | 167.10.10 | 17-9-98 | 1825 | 9.0 | 1010 | 4.5m | 12+ | |

Wind Dir/Speed

240-24

Cloud Amt

8

Type

Low

Weather

CL

Bottom Depth

133

Remarks

Sargassum on 12+

Max Depth

No B₀ + 4.5

Cleaned Air bleed Valve

✓

Pos. Trip Depth

Pressure

CTD Converted Monitor Values

Pri. Temp

Sec. Temp

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Sal.

Nut.

Chl.

1

2

3

4

5

6

7

8

9

10

11

12

WF

6-1 1000

Vessel Professor Kaganovsky Project & Leg PK-98-01 Station Designation Page 63 of 66

Type & SN SBE 19 s/n 650 N. Brown #1150
Press SN 194208-650 s/n 01-1172

Consc Cast # Lat 55 39.13 Lon 167 30.07 Date: day/month 17-9-98 Time (GMT) 2032 Dry bulb 9.0 Wet Bulb 10.0 Press (mb) 5 m Sea State 12 Vis 12.8
CTD 062 Wind Dir/Speed 270-21 Cloud Amt 6/8 Type cuml Bottom Depth 138 Sta. Name/ID 128-1

Remarks Saccast on 125
Sal. Sample
Cleaned Air bleed Valve

| Pos. | Trip Depth | CTD Converted Monitor Values | | | Sample Bottle Data | | Sample Bottle Number | |
|------|------------|------------------------------|-----------|-----------|--------------------|----------|----------------------|-----------|
| | | Pressure | Pri. Temp | Sec. Temp | Salinity | Salinity | Sal. | Nut. Chl. |
| 1 | 125 | | | | | | 31 | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |

P. Kaganovsky

W7

Type & SN SBE 19 s/n 650

N. Brown #1150

Press SN 194208-650

s/n 01-1172

| Consc Cast # | Lat |
|--------------|-----|
|--------------|-----|

Lon

Date: day/month/yr

Time (GM)

Dry bulb

Wet Bulb

Press (mb)

| | |
|-----------|-----|
| Sea State | Vis |
|-----------|-----|

| | |
|--------|----|
| CT0063 | 55 |
|--------|----|

67

Wind Dir/Speed

2222

Cloud

| Type |
|------|
|------|

Weather

Bottom Depth

Sta. Name/ID

11/10

| | |
|--|--|
| | |
|--|--|

 $\frac{8}{12}$

Cu-Ac

Remarks

Max Depth

h
125 m

Cleaned Air bleed Valve

e ✓

| Pos. | Trip Depth |
|------|------------|
|------|------------|

Pressure

| CTD Converted Monitor Values | |
|------------------------------|-----------|
| Pri. Temp | Sec. Temp |

Salinity

Sample Bottle Data
Salinity

| | |
|------|--|
| San | |
| Sal. | |

Nut. Chl.

11

Vessel Professor Kaganovsky

Project & Leg PK-98-01

Station Designation

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Type & SN SBE 19 s/n 650
Press SN 194208-650N. Brown #1150
s/n 01-1172

Consc Cast # Lat

Lon

Date: day/month/year

Time (GMT)

Dry bulb

Wet Bulb

Press (mb)

Sea State Vis

CTD065 55 22.34 N

168

18/9/98

0158

7.0

Type

Weather

Bottom Depth

Sta Name/ID

Wind Dir/Speed

Cloud Amt

C/A/C

4 m

131-1

230/26

Remarks

Max Depth

Cleaned Air bleed Valve

Pos. Trip Depth

Pressure

CTD Converted Monitor Values

Salinity

Sample Bottle Data

Salinity

Sample Bottle Number

Nut. Chl.

1 480

2 300

3 250

4 200

5 150

6 100

7 75

8 50

9 40

10 30

11 20

12 10

0

2369