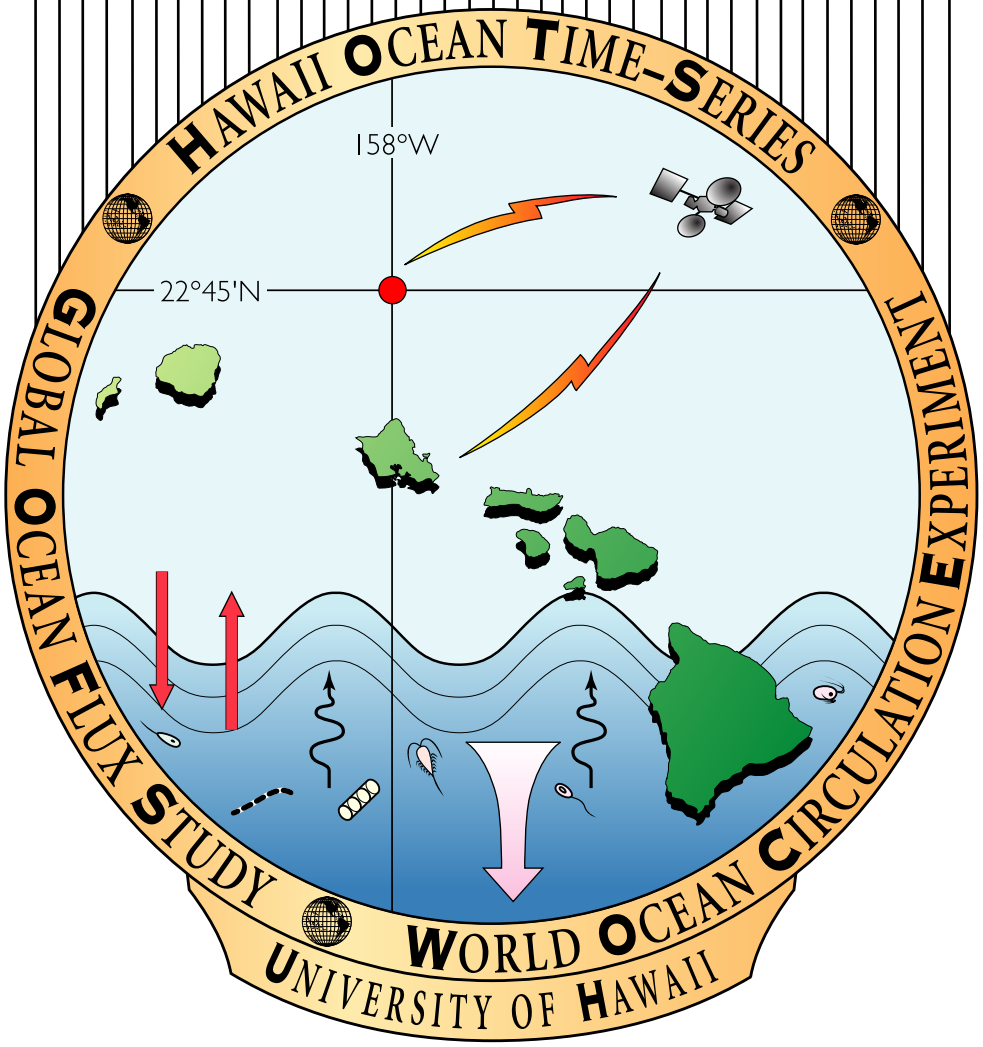
Hawaii Ocean Time-series Program

HOT 363



Hawaii Ocean Time-Series
HOT-**363**
KAHE Station Data Sheet

Station # 1 Date: 3/29/2026 (HST)
Cast # 1 Time: 1400 (HST)
Operator(s): DS, CF, BB, KB, DV

Rosette Position	Desired Depth	Oxygen	Sample Temp.	DIC/ Alk	pH	Nuts	LLN/ LLP	Chl *a*	PD
1	**1000**	1	7.5						
2	**750**	2,3,4	8.6						
3	**500**	5	9.5						
4	**350**	6	11.8			4			
5	**250**	7	16.8			5			
6	**175**		20.9					6	
7	**150**	8	22.1			7	7	7	
8	**125**		23.2					8	
9	**100**	9,10,11	24.2			9	9	9 A-B	
10	**75**		24.3					10	
11	**45**	12	24.4	11	1	11	11	11	
12	**25**	13	24.3	12	2			12A-B	
13	**25**		24.7						NM
14	**5**	14	24,4	14	3,4,5	14	14	14	`
15	**5**	QC	24.4						
16	**5**	QC	24.4						
17	**5**								X
18	**5**								X
19	**5**								X
20	**5**								JB
21									
22									
23									
24									

Notes:

Hawaii Ocean Time-Series
HOT-**363**
KAHE Station Data Sheet

Station # 1 Date: 3/29/26 (HST)
Cast # 1 Time: 14:00 (HST)
Operator(s): DS, CF

Rosette Position	Desired Depth	Oxygen	Sample Temp.	DIC/ Alk	pH	Nuts	LLN/ LLP	Chl *a*	PD
1	**1000**	1	7.5						
2	**750**	2,3,4	8.6						
3	**500**	5	9.5						
4	**350**	6	11.8			4			
5	**250**	7	16.8			5			
6	**175**		20.9					6	
7	**150**	8	22.1			7	7	7	
8	**125**		23.2					8	
9	**100**	9,10,11	24.2			9	9	9 A-B	
10	**75**		24.3					10	
11	**45**	12	24.4	11	1	11	11	11	
12	**25**	13	24.3	12	2			12A-B	
13	25	~~14~~	24.7	~~13~~	~~2,1,5~~	~~23~~	~~13~~	~~13~~	NM
14	**5**	~~QC~~ 14	24.4	14	3,4,5	14	14	14	
15	**5**	QC	24.4						
16	**5**	QC	24.4						~~X~~
17	**5**		24.5						X
18	**5**		24.4						X
19	**5**		24.4						X
20	↓		24.3						JB
21									
22									
23									
24									

Notes:

Hawaii Ocean Time-series
HOT- **363**
STATION 50 Data Sheet

Station # 50 Date: 3/30/26 (HST)
Cast # 1 Time: 9:38 (HST)
Operator(s): DS, NM

Rosette Position	Desired Depth	DIC/TA	pH	NM				
1	**200**			x				
2	**200**			x				
3	**150**			x				
4	**150**			x				
5	**125**			x				
6	**125**			x				
7	**100**			x				
8	**100**			x				
9	**75**			x				
10	**75**			x				
11	**45**			x				
12	**45**			x				
13	**25**			x				
14	**25**			x				
15	**5**	15 A,B	1,2,3					
16	**5**			x				
17	**5**			x				
18								
19								
20								
21								
22								
23								
24								

Notes:

Hawaii Ocean Time-series
HOT- **363**
STATION 50 Data Sheet

Station # 50 Date: 3/30/26 (HST)
Cast # 1 Time: 0938 (HST)
Operator(s): DS, CF, NM

Rosette Position	Desired Depth	DIC/TA	pH	NM				
1	**200**			x				
2	**200**			x				
3	**150**			x				
4	**150**			x				
5	**125**			x				
6	**125**			x				
7	**100**			x				
8	**100**			x				
9	**75**			x				
10	**75**			x				
11	**45**			x				
12	**45**			x				
13	**25**			x				
14	**25**			x				
15	**5**	15A,B	1,2,3					
16	**5**			x				
17	**5**			x				
18								
19								
20								
21								
22								
23								
24								

Notes:

Hawaii Ocean Time-series
HOT-**363**
PO Shallow Data Sheet

Station # 2 Date: 3/31/2026 (HST)
Cast # 1 Time: 0049 (HST)
Operator(s): BB, KB, DV

Rosette Position	Desired Depth	Oxygen	Sample Temp.	DIC/ Alk	pH	DOC	Nutrient	Refrig. Si	Replicate Depths
1	**1020**	47	8.1	1	1	1	1 A-B	1	**1000**
2	**995**	48,49,50	7.2				2	2	
3	**960**	51	7.2				3	3	
4	**926**	52	7.0				4	4	
5	**891**	53	7.1				5	5	
6	**856**	54	7.6				6	6	
7	**815**	55,56,57	7.4				7	7	
8	**775**	58	8.3	8	2	8	8	8	
9	**740**	59	7.4				9	9	**750**
10	**706**	60	7.5				10	10	
11	**638**	61	8.1	11	3	11	11	11	
12	**590**	62	7.9				12	12	**600**
13	**542**	63	8.6				13 A,B	13 A,B	**525**
14	**498**	64	9.2	14	4	14	14	14	**500**
15	**444**		10.1				15	15	**450**
16	**387**	68	11.7				16		
17	**345**	69	14.0	17A.B	5,6	17	17		**350**
18	**302**	70	14.1				18		
19	**260**	71	16.8	19	7	19	19		**250**
20	**216**	72,73,74	19.6				20		**225**
21	**157**	75	21.6				21 A,B		**150**
22	**104**	76	22.2				22		
23	**72**	77	22.5				23		
24	**5**	78	22.4				24		**5**

Notes: Ref. Si below 400 meters
Dos 65-67 missed

Hawaii Ocean Time-series
HOT-**363**
PO Shallow Data Sheet

Station # 2 Date: 3/31/2026 (HST)
Cast # 1 Time: 0049 (HST)
Operator(s): BB, KB, DV

Rosette Position	Desired Depth	Oxygen	Sample Temp.	DIC/ Alk	pH	DOC	Nutrient	Refrig. Si	Replicate Depths
1	1020	47,48,49	8.1	1	1	1	1 A-B	1	**1000**
2	981	50	7.2				2	2	
3	944	51	7.2				3	3	
4	907	52	7.0				4	4	
5	870	53	7.1				5	5	
6	833	54	7.6				6	6	
7	796	55	7.4				7	7	
8	756	56,57,58	8.3	8	2	8	8	8	
9	720	~~57,58~~,59	7.4	~~9~~	~~2~~	~~9~~	9	9	**750**
10	683	60	7.5				10	10	
11	613	61	8.1	11	3	11	11	11	
12	567	62	7.9	~~12~~	~~3~~	~~12~~	12	12	**600**
13	525	63	8.6				13 A,B	13 A,B	**525**
14	493	64	9.2	14	4	14	14	14	**500**
15	435	~~65,66,67~~	10.1				15	15	**450**
16	370	68	11.7				16		
17	339	69	14.0	17A.B	5,6	17	17		**350**
18	304	70	14.1				18		
19	270	71	16.8	19	7	19	19		**250**
20	202	72,73,74	19.6				20		**225**
21	160	75	21.6				21 A,B		**150**
22	107	76	22.2				22		
23	54	77	22.5				23		
24	5	78	22.4				24		**5**

Notes: Ref. Si below 400 meters

65-67 DOC "missed"

Hawaii Ocean Time-series
HOT-**363**
BEACH Shallow Data Sheet (1/2)

Station # 2 Date: 3/31/26 (HST)
Cast # 2 Time: 4:18 (HST)
Operator(s): DS, CF, AH

Rosette Position	Desired Depth	Oxygen	Sample Temp.	DIC/ ALK	Quay DIC	Keeling DIC	pH	DOC
1	**1000**	79	10.6					
2	**O_2 min**	80	11.0					
3	**Sal min**	81	13.4					
4	**200**	82	20.4	4			1	4
5	**175**	83	21.3					5
6	**165**	84	21.8					
7	**150**	85	22.0	7			2	7
8	**130**							
9	**125**	86	22.1					9
10	**115**	87	22.1					
11	**110**							
12	**100**	88,89,90	22.4	12			3	12
13	**90**							
14	**85**	91	22.4					
15	**75**	92	22.4	15			4	15
16	**60**							16
17	**45**	93	22.6	17			5	17
18	**35**							18
19	**25**	94	22.7	19				19
20	**25**				20		6	
21	**15**							21
22	**5**	95	22.7	22A-B			7,8	22
23	**5**				23	23A-B		
24								

Notes:

Hawaii Ocean Time-series
HOT-**363**
BEACH Shallow Data Sheet (2/2)

Station # 2 Date: _____ (HST)
Cast # 2 Time: _____ (HST)
Operator(s): _____

Rosette Position	Desired Depth	Nutrient	LLN	LLP	FCM	CHL		
1	**1000**							
2	**O_2 min**							
3	**Sal min**							
4	**200**	4			x			
5	**175**	5	5	5	x	5		
6	**165**		6					
7	**150**	7	7A-B	7	x	7		
8	**130**		8					
9	**125**	9A-B	9	9	x	9		
10	**115**		10	10				
11	**110**		11					
12	**100**	12	12A-B	12	x	12		
13	**90**		13					
14	**85**		14	14				
15	**75**	15	15	15	x	15		
16	**60**	16	16	16				
17	**45**	17A-B	17	17	x	17		
18	**35**	18	18					
19	**25**	19	19	19	x	19		
20	**25**							
21	**15**	21	21					
22	**5**	22	22A-B	22	x	22		
23	**5**							
24								

Notes:

Hawaii Ocean Time-series
HOT-363
BEACH Shallow Data Sheet (1/2)

Station # 2
Cast # 2
Operator(s): DS, CF, AH

Date: 03/31/26 (HST)
Time: 4:18 (HST)

Rosette Position	Desired Depth	Oxygen	Sample Temp.	DIC/ ALK	Quay DIC	Keeling DIC	pH	DOC
1	**1000**	79	10.6					
2	**O_2 min**	80	11.0					
3	**Sal min**	81	13.4					
4	**200**	82	20.4	4			1	4
5	**175**	83	21.3					5
6	**165**	84	21.8					
7	**150**	85	22.0	7			2	7
8	**130**							
9	**125**	86	22.1					9
10	**115**	87	22.1					
11	**110**							
12	**100**	88,89,90	22.4	12			3	12
13	**90**							
14	**85**	91	22.4					
15	**75**	92	22.5	15			4	15
16	**60**							16
17	**45**	93	22.6	17			5	17
18	**35**							18
19	**25**	94	22.7	19				19
20	**25**				20		6	
21	**15**							21
22	**5**	95	22.7	22A-B			7,8	22
23	**5**				23	23A-B		
24								

Notes:

Hawaii Ocean Time-series
HOT-363
BEACH Shallow Data Sheet (2/2)

Station # 2 Date: _____ (HST)
Cast # 2 Time: _____ (HST)
Operator(s): _____

Rosette Position	Desired Depth	Nutrient	LLN	LLP	FCM	CHL		
1	**1000**							
2	**O_2 min**							
3	**Sal min**							
4	**200**	4			x			
5	**175**	5	5	5	x	5		
6	**165**		6					
7	**150**	7	7A-B	7	x	7		
8	**130**		8					
9	**125**	9A-B	9	9	x	9		
10	**115**		10	10				
11	**110**		11					
12	**100**	12	12A-B	12	x	12		
13	**90**		13					
14	**85**		14	14				
15	**75**	15	15	15	x	15		
16	**60**	16	16	16				
17	**45**	17A-B	17	17	x	17		
18	**35**	18	18					
19	**25**	19	19	19	x	19		
20	**25**							
21	**15**	21	21					
22	**5**	22	22A-B	22	x	22		
23	**5**							
24								

Notes:

Hawaii Ocean Time-series
HOT-**363**
PC/PN Data Sheet

Station #	2		Date:	3/31/26	(HST)
Cast #	3		Time:	8:35	(HST)
Operator(s):	DS, CF, NM		Pre-screen	202 um	

Rosette Position	Desired Depth	Carboy #	Total Volume	Sample #	PD	NM	
1	**1020**						
2	**Sal Min**						
3	**350**	1	10	3			
4	**350**	2	10	4			
5	**250**	3	10	5			
6	**200**	4	10	6			
7	**175**	5	**9**	7			
8	**150**	6	10	8			
9	**125**	7,8	4,4	9A,B			
10	**100**	9	4	10			
11	**100**					X	
12	**100**					X	
13	**75**	10	4	13			
14	**75**					X	
15	**75**					X	
16	**45**	11	4	16			
17	**45**					X	
18	**45**					X	
19	**25**	12,13	4,4	19A,B			
20	**25**					X	
21	**25**					X	
22	**5**	14	4	22			
23	**5**					X	
24							

Notes

Hawaii Ocean Time-series
HOT-**363**
PC/PN Data Sheet

Station # 2 Date: 03/31/26 (HST)
Cast # 3 Time: 8:35 (HST)
Operator(s): DS, CF, NM

* pre-screen filter

Rosette Position	Desired Depth	Carboy #	Total Volume	Sample #	PD	NM	
1	**1020**						
2	**Sal Min**						
3	**350**	1	10	3			
4	**350**	2	10	4			
5	**250**	3	10	5			
6	**200**	4	10	6			
7	**175**	5	**9**	7			
8	**150**	6	10	8			
9	**125**	7,8	4,4	9A,B			
10	**100**	9	4	10			
11	**100**					X	
12	**100**					X	
13	**75**	10	4	13			
14	**75**					X	
15	**75**					X	
16	**45**	11	4	16			
17	**45**					X	
18	**45**					X	
19	**25**	12,13	4,4	19A,B			
20	**25**					X	
21	**25**					X	
22	**5**	14	4	22			
23							
24							

Notes

Hawaii Ocean Time-series

HOT- **363**

Particulate Phosphorus Data Sheet

Station #	2		Date:	3/31/26	(HST)
Cast #	4		Time:	11:59	(HST)
Operator(s):	DS, CF, PD	Pre-screen mesh size:		202 um	
Blank #'s	**B1**	**B2**	**B3**		

Rosette Position	Desired Depth	Carboy #	Total Volume	Sample #	PD	CF	
1	**1000**						
2	**Sal min**						
3	**350**	1	10	3			
4	**350**	2	10	4			
5	**250**	3	4	5			
6	**200**	4	10	6			
7	**175**	5	10	7			
8	**150**	6	10	8			
9	**125**	7,8	4,4	9A-B			
10	**100**	9	4	10			
11	**75**	10	4	11			
12	**45**	11	4	12			
13	**25**	12,13	4,4	13 A-B			
14	**25**					X	
15	**5**	14	4	15			
16	**5**				X		
17	**5**				X		
18	**5**				X		
19							
20							
21							
22							
23							
24							

Notes: CF did not collect

Hawaii Ocean Time-series
HOT- **363**
Particulate Phosphorus Data Sheet

Station # 2 Date: 3/31/26 (HST)
Cast # 4 Time: 1159 (HST)
Operator(s): DS, CF, NM Pre-screen mesh size: 202 um
Blank #'s **B1** **B2** **B3**

Rosette Position	Desired Depth	Carboy #	Total Volume	Sample #	PD	CF	
1	**1000**						
2	**Sal min**						
3	**350**	1	10	3			
4	**350**	2	10	4			
5	**250**	3	4	5		X	
6	**200**	4	10	6			
7	**175**	5	10	7			
8	**150**	6	10	8			
9	**125**	7,8	4,4	9A-B			
10	**100**	9	4	10			
11	**75**	10	4	11			
12	**45**	11	4	12			
13	**25**	12,~~13~~ 14	4,4	13 A-B			
14	~~**25**~~					X	
15	**5**	~~13~~ 14	4	15			
16	5				X		
17	5				X		
18	5				X		
19							
20							
21							
22							
23							
24							

410

Notes:

Hawaii Ocean Time-series

HOT- **363**

ATP Data Sheet

Station # 2 Date: 3/31/2026 (HST)

Cast # 5 Time: 1611 (HST)

Operator(s): BB, KB, DH Pre-screen mesh size: 202 um

Blank #'s 28, 29, 30

Rosette Position	Desired Depth	ATP Tube #'s	Volume Filtered	Carboy #	CF		
1	**1000**						
2	**Sal min**						
3	**350**	1 – 3	3x2	1			
4	**250**	4 – 6	3x2	2			
5	**250**				X		
6	**250**				X		
7	**150**	7 – 9	3x1	7			
8	**125**	10 – 12	3x1	8			
9	**100**	13 – 15	3x1	9			
10	**75**	16 – 18	3x1	10			
11	**45**	19 – 21	3x1	11			
12	**25**	22 – 24	3x1	12			
13	**5**	25 - 27	3x1	13			
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Notes:

Hawaii Ocean Time-series
HOT- **363**
ATP Data Sheet

Station # 2 Date: 3/31/26 (HST)
Cast # 5 Time: 1611 (HST)
Operator(s): KB, BB, DV Pre-screen mesh size: 202 um
Blank #'s 28, 29, 30

Rosette Position	Desired Depth	ATP Tube #'s	Volume Filtered	Carboy #	CF		
1	**1000**						
2	**Sal min**						
3	**350**	1 – 3	3x2	1			
4	**250**	4 – 6	3x2	2			
5	**250**				X		
6	**250**				x		
7	**150**	7 – 9	3x1	7			
8	**125**	10 – 12	3x1	8			
9	**100**	13 – 15	3x1	9			
10	**75**	16 – 18	3x1	10			
11	**45**	19 – 21	3x1	11			
12	**25**	22 – 24	3x1	12			
13	**5**	25 - 27	3x1	13			
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Notes:

Hawaii Ocean Time-series
HOT-**363**
HPLC & Chl *a*. Bottle Data Sheet

Station #	2	Date:	3/31/2026 (HST)
Cast #	6	Time:	2004 (HST)
Operator(s):	BB, KB, DH		No screen

Rosette Position	Desired Depth	Carboy #	Total Volume	HPLC	Chl *a*.	PD	AH FCM	
1	**1000**							
2	**Sal min**							
3	**250**						x	
4	**175**	1	10.5	4	4		x	
5	**150**	2	10	5	5		x	
6	**135**	7	4	6	6A-B			
7	**125**	8,9	4,4	7 A-B	7		x	
8	**115**	10	4	8	8		x	
9	**100**	11	4	9	9		x	
10	**85**	12	4	10	10			
11	**75**	13	4	11	11		x	
12	**60**	14	4	12	12A,B			
13	**45**	15,16	4,4	13AB	13		x	
14	**25**	3	10	14	14		x	
15	**5**	4	10	15	15		x	
16	**5**					X		
17	**5**					X		
18								
19								
20								
21								
22								
23								
24								

Notes: Niskin 4 drained – chl FCM from carboy #1. Approximately 10.5 L filtered.

Hawaii Ocean Time-series
HOT-**363**
HPLC & Chl *a*. Bottle Data Sheet

Station # 2 Date: 3/31/2026 (HST)
Cast # 6 Time: 2004 (HST)
Operator(s): BB, KB, DH

Rosette Position	Desired Depth	Carboy #	Total Volume	HPLC	Chl *a*.	PD	AH FCM	
1	**1000**							
2	**Sal min**							
3	**250**						x	
4	**175**	1	10	4	4		x	
5	**150**	2	10	5	5		x	
6	**135**	7	4	6	6A-B			
7	**125**	8,9	4,4	7 A-B	7		x	
8	**115**	10	4	8	8		x	
9	**100**	11	4	9	9		x	
10	**85**	12	4	10	10			
11	**75**	13	4	11	11		x	
12	**60**	14	4	12	12A,B			
13	**45**	15,16	4,4	13AB	13		x	
14	**25**	3	10	14	14		x	
15	**5**	4	10	15	15		x	
16	**5**					X		
17	**5**					X		
18								
19								
20								
21								
22								
23								
24								

Notes: Niskin 4 drained Chl/FCM from 10L carboy (extra vol in bottle)

Hawaii Ocean Time-series
HOT-362 Sediment Trap Data Sheet

Deployment

Type of traps	**PIT**
Date Deployed	**12/19/25**
Operators	**BW, DS, MD**
Position in	**22° 44.96'W 158° 03.32'W**
Time PIT goes in water (HST)	**2341**
Comments	

Recovery

Date Recovered	**12/21/25**
Operators	**BW, DF, MDF, CF**
Position out	**22° 43.602'W 158° 27.424'W**
Time PIT is out of water (HST)	**7:36**
Wind	**14-17 Knots from East**
Sea State	**8-9 feet Swells**
Comments	

Hawaii Ocean Time-series
HOT-363 Sediment Trap Data Sheet

Deployment

Type of traps	PIT
Date Deployed	3/30/2026
Operators	BW, BB, JB, KB
Position in	22°44.923'N 159°02.065'W
Time PIT goes in water (HST)	~~0047~~
Comments	weight in 0030 / released 0059 two crosses · HOT / Jason Bael

Recovery

Date Recovered	4/1/2026
Operators	BW, DF, DS, CF (8.5 nm SW from center)
Position out	22° 40.445' N 158° 07.937' W
Time PIT is out of water (HST)	7:27
Wind	18-20 knots
Sea State	
Comments	

Data Sheet for Sediment Trap Volumes HOT

Cruise #: 362

Analyst: _____

Directions: 1) Mark the traps with 2 lines

a) Line #1 is at the interface

Trap Name	Depth (m)	Height (cm) at Line #2 (Top Line)
A	150	37
B	150	37
C	150	39
D	150	38
E	150	39
F	150	39
G	150	39
H	150	39
I	150	44
J	150	39
K	150	38
L	150	39

Filter D for PC/ON fell on counter

Filter G for PPO4 fell on counter

Filter K for Si had a small rip

Data Sheet for Sediment Trap Volumes HOT

Cruise #: 363

Analyst: CF

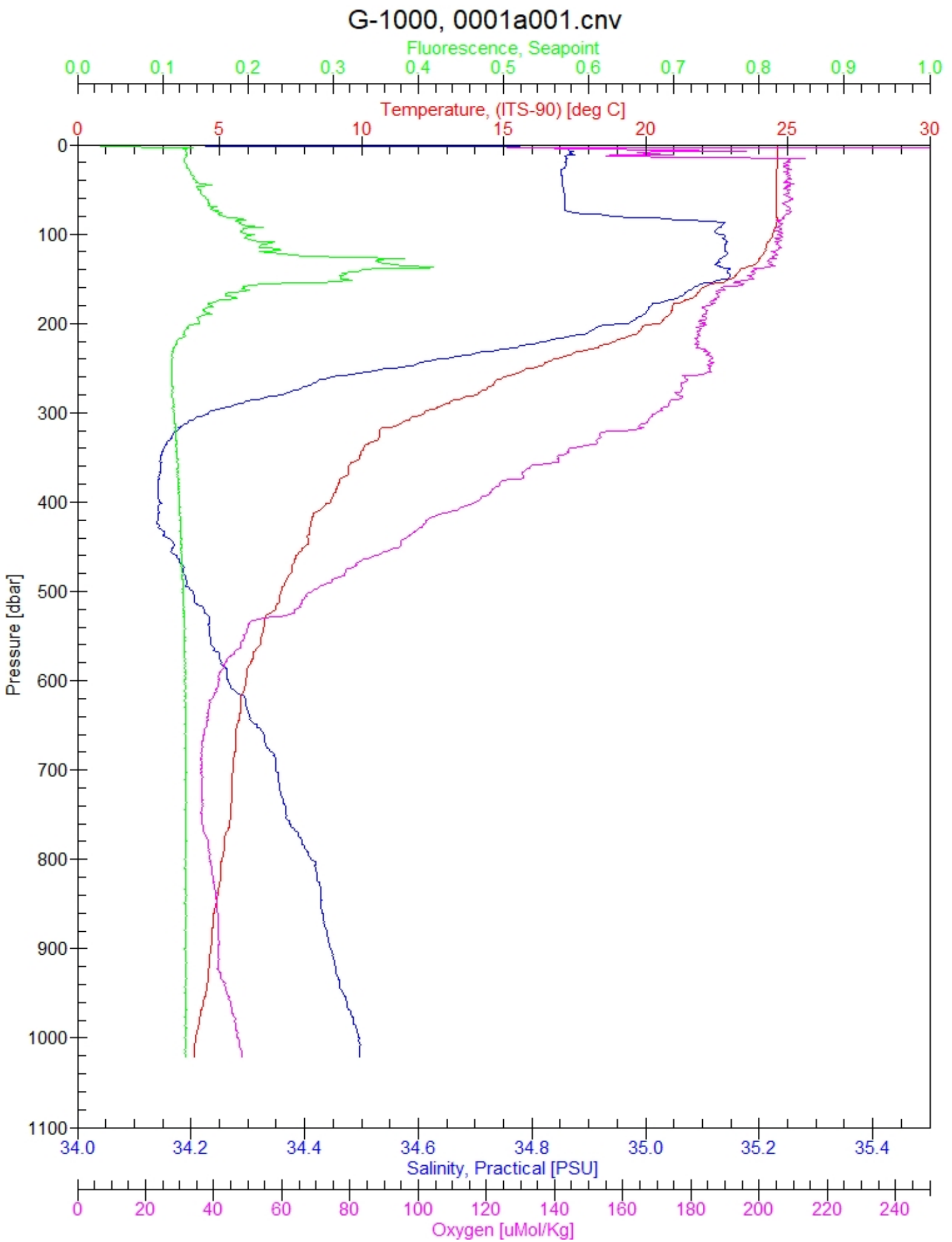
Directions: 1) Mark the traps with 2 lines

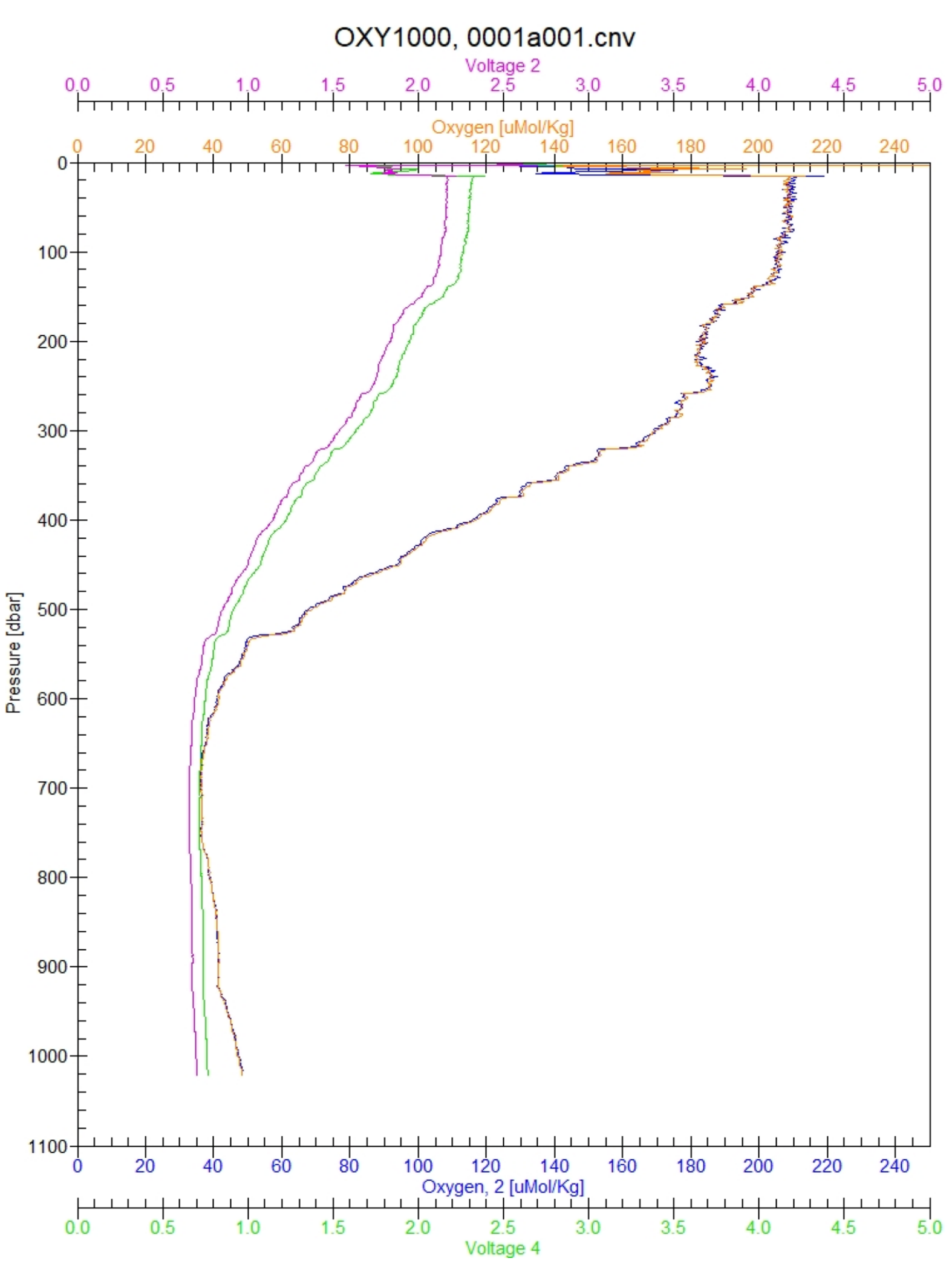
a) Line #1 is at the interface

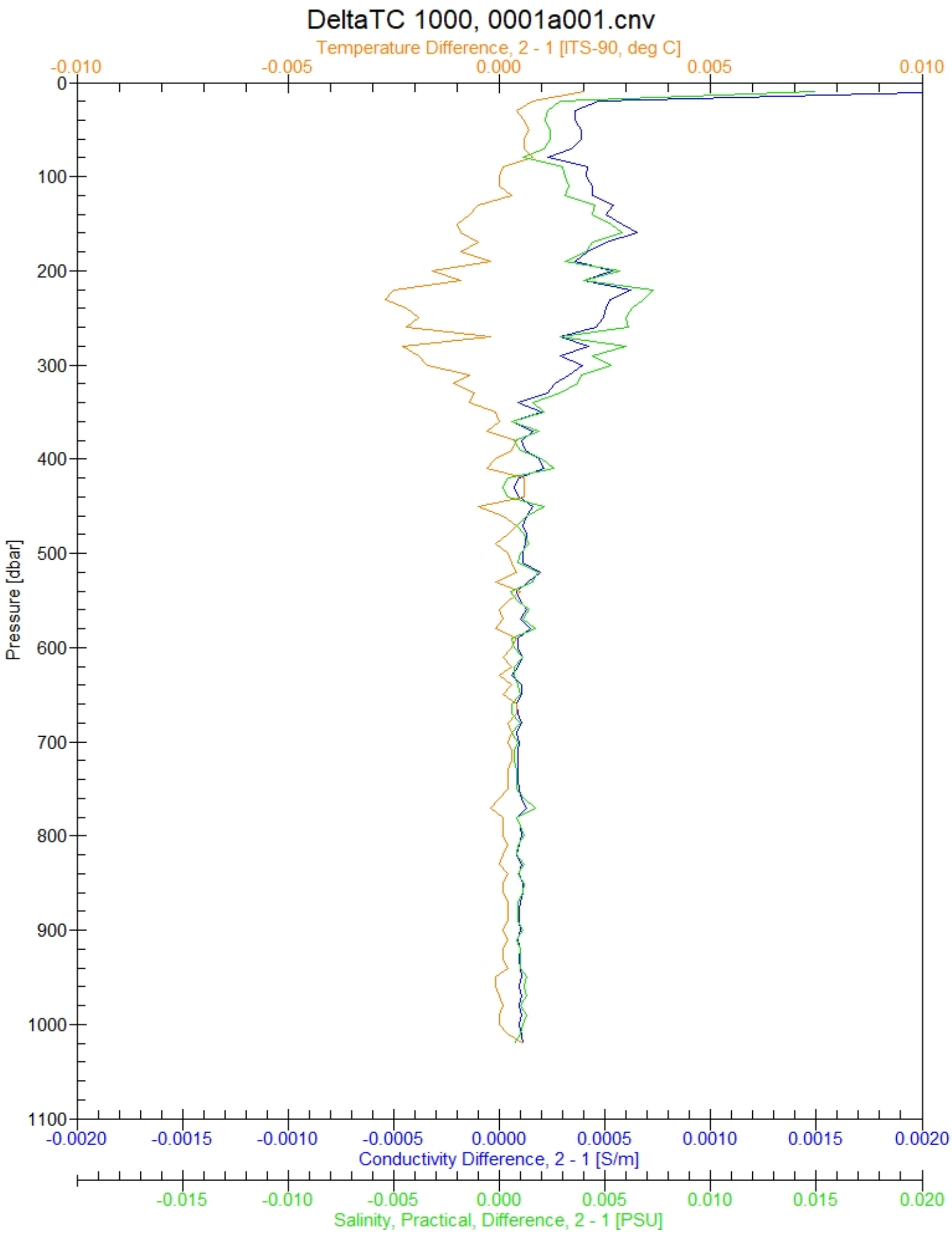
Trap Name	Depth (m)	Height (cm) at Line #2 (Top Line)
A	150	35+5=40
B	150	34+5=39
C	150	36+5=41
D	150	34+5=39
E	150	34 +5=39
F	150	33 +5=38
G	150	34 +5=39
H	150	32+5=37
I	150	34 +5=39
J	150	34 +5=39
K	150	34 +5=39
L	150	35 +5=40

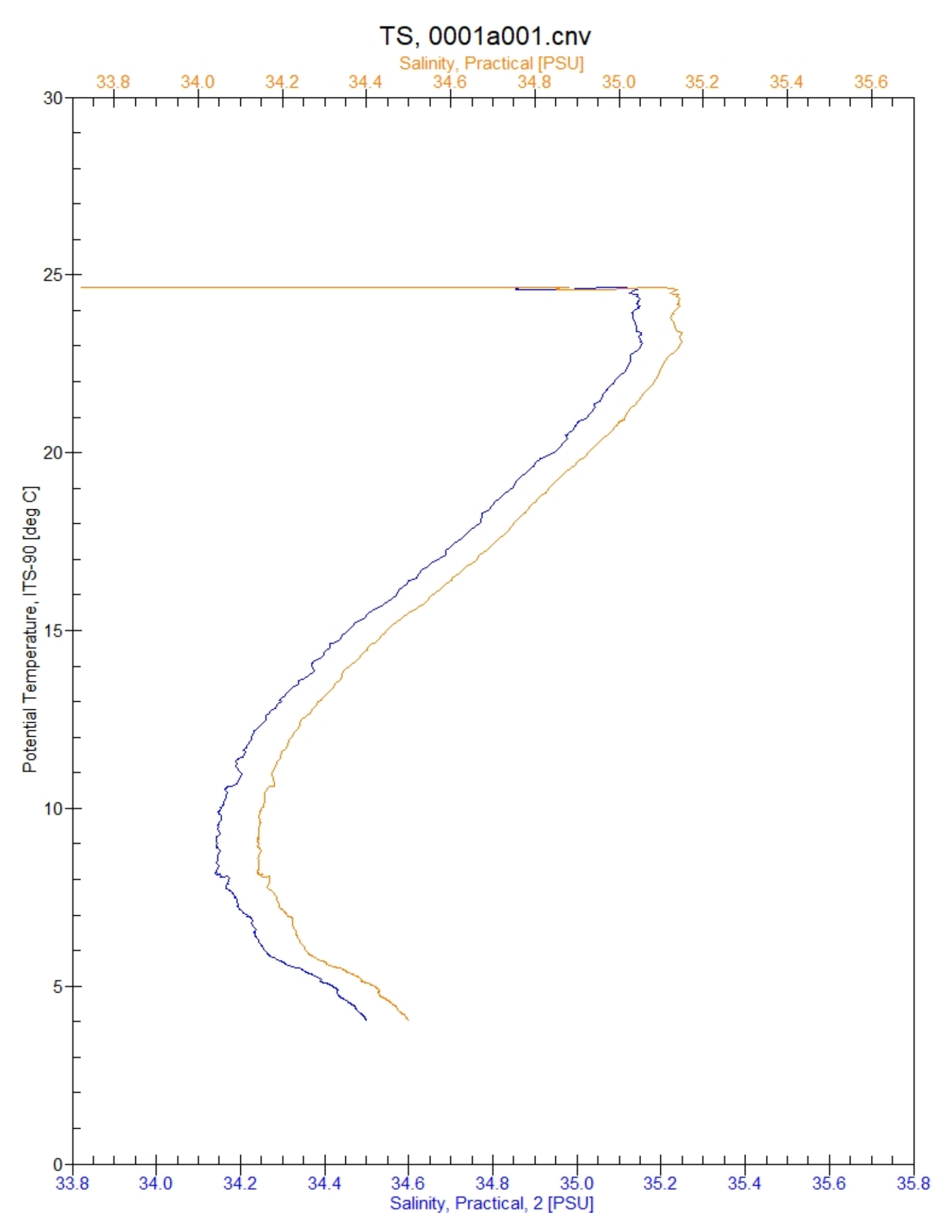
Hawaii Ocean Time-series
HOT 363
Chlorophyll Grab Sample Sheet

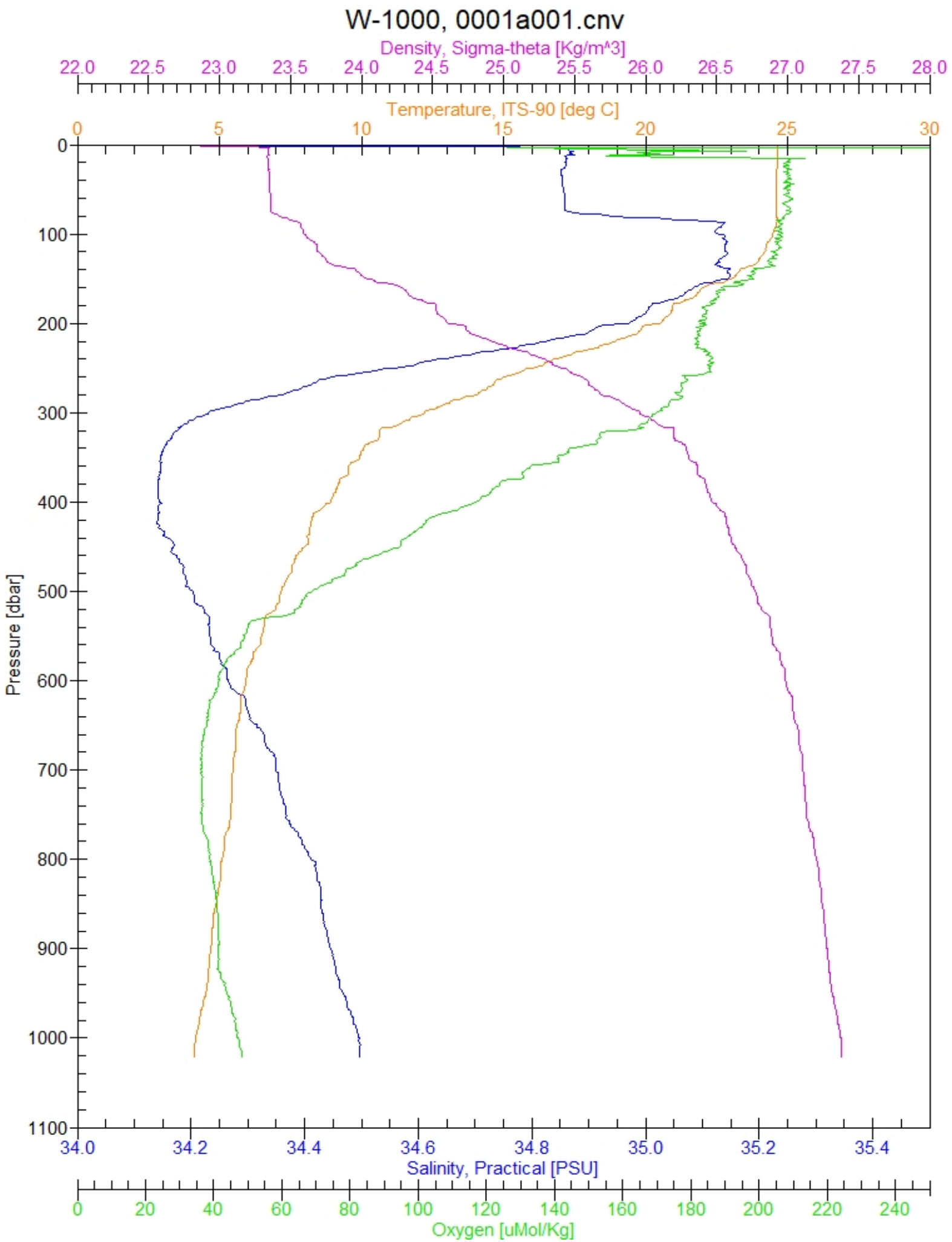
Date	Time (HST)	Location	GS #
3/29/26	12:37	Kahe	1
3/29/26	23:40	Transit	2
3/30/26	9:45	WHOTS	3
3/30/26	21:46	ALOHA	4
3/31/26	5:55	ALOHA	5
"	12:31	"	6
"	21:36	"	7

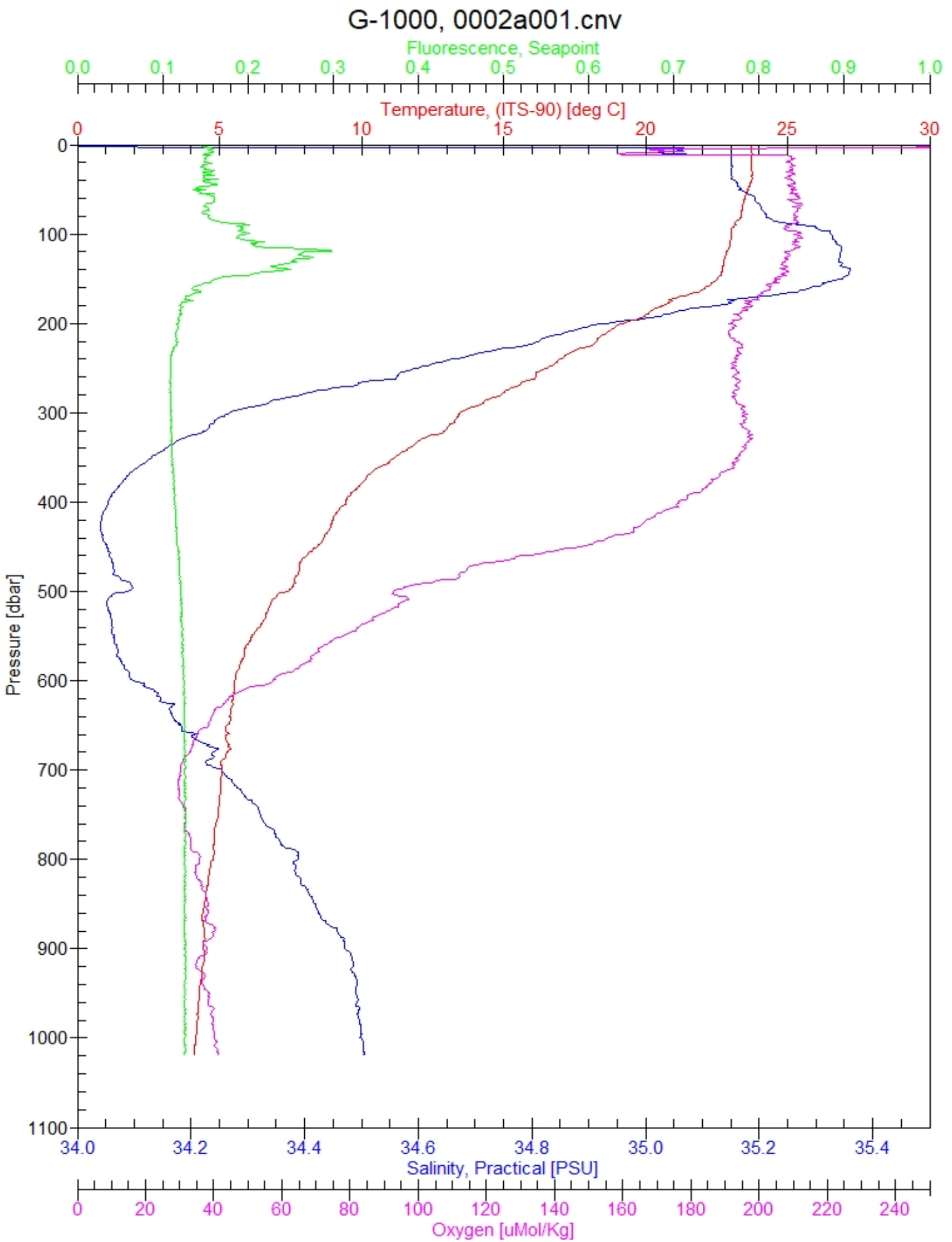

G-1000, 0001a001.cnv
Fluorescence, Seapoint
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
Temperature, (ITS-90) [deg C]
0
5
10
15
20
25
30
Pressure [dbar]
0
100
200
300
400
500
600
700
800
900
1000
1100
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
Salinity, Practical [PSU]
0
20
40
60
80
100
120
140
160
180
200
220
240
Oxygen [uMol/Kg]

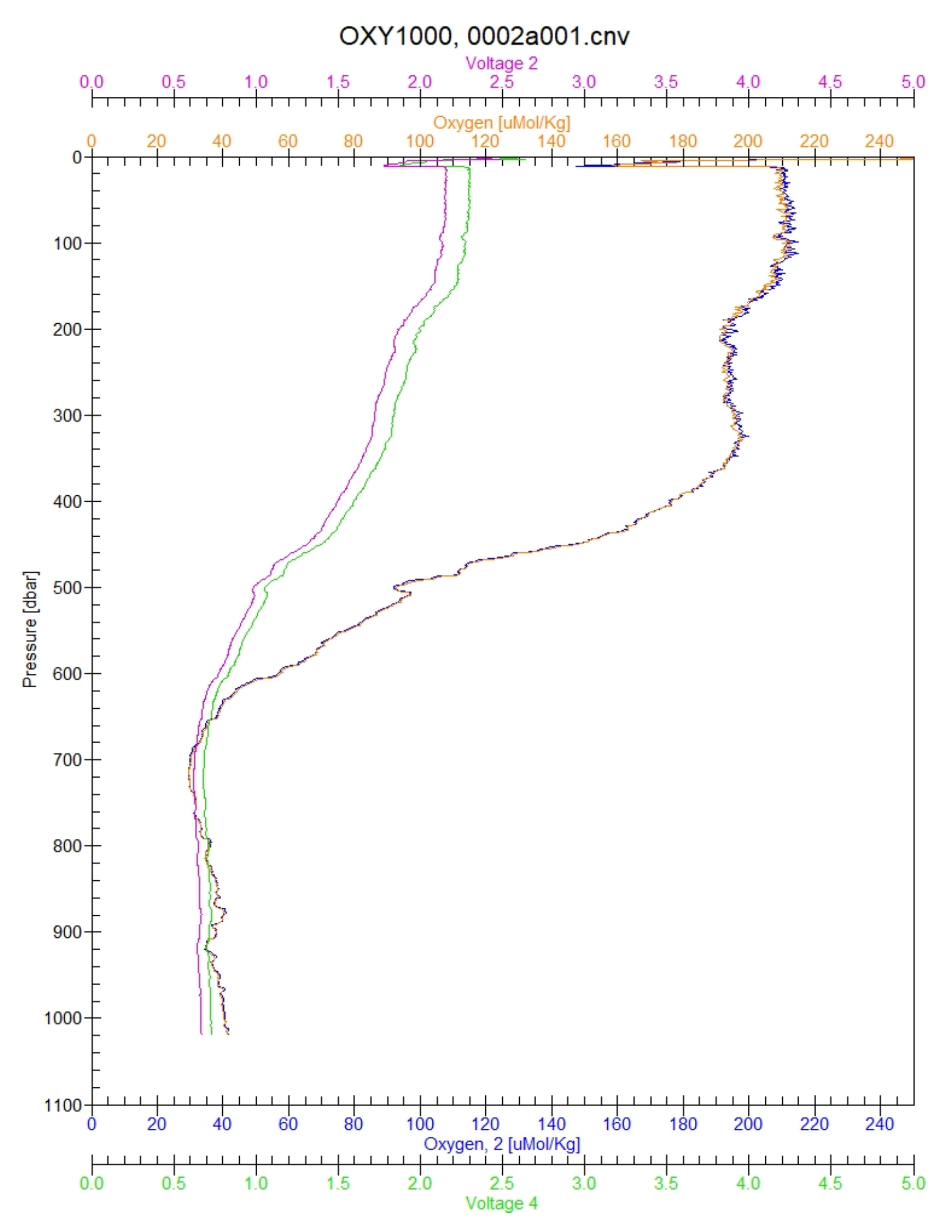

OXY1000, 0001a001.cnv
Voltage 2
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0
Oxygen [uMol/Kg]
0 20 40 60 80 100 120 140 160 180 200 220 240
Pressure [dbar]
0 100 200 300 400 500 600 700 800 900 1000 1100
Oxygen, 2 [uMol/Kg]
0 20 40 60 80 100 120 140 160 180 200 220 240
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0
Voltage 4

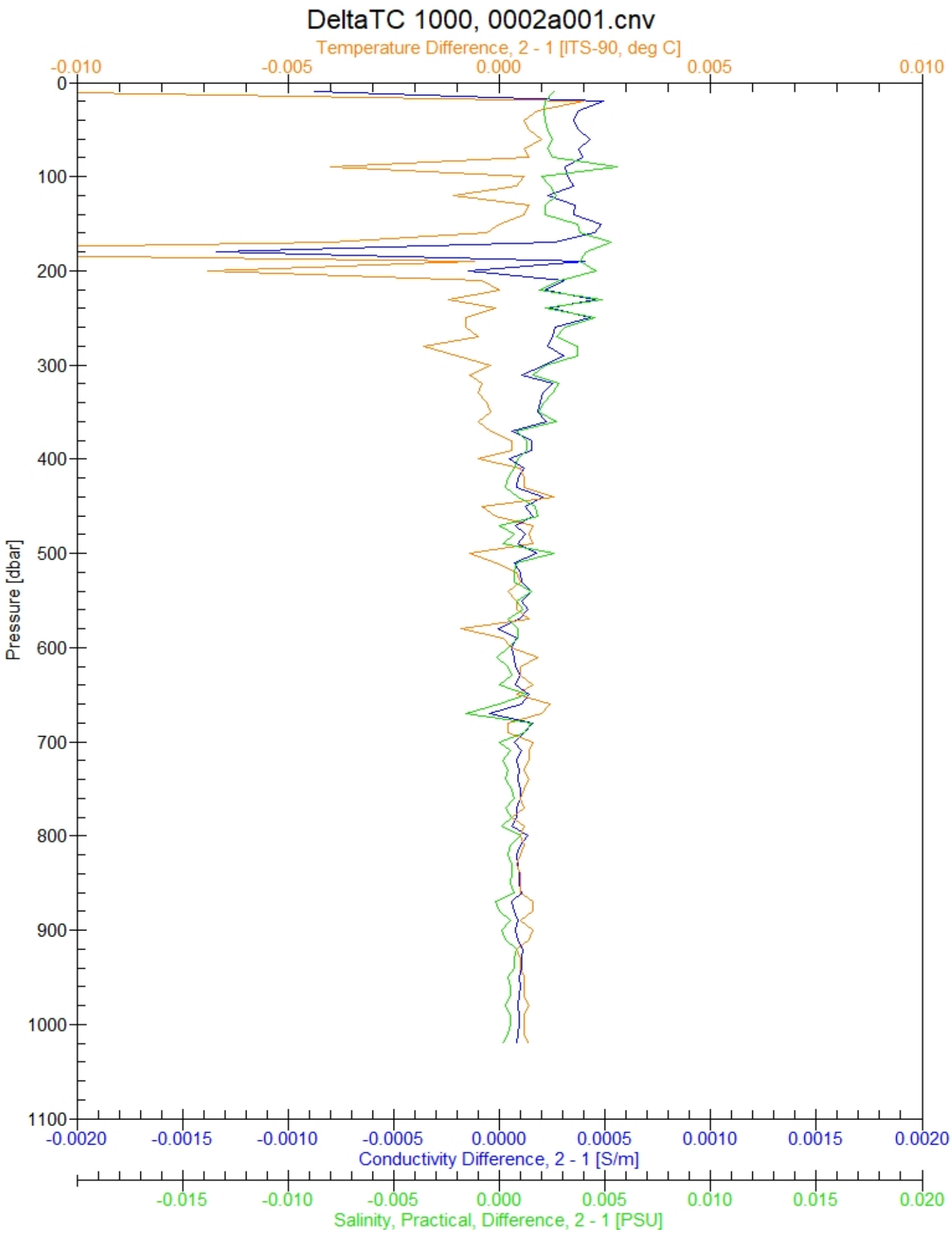

DeltaTC 1000, 0001a001.cnv
Temperature Difference, 2 - 1 [ITS-90, deg C]
-0.010
-0.005
0.000
0.005
0.010
Pressure [dbar]
0
100
200
300
400
500
600
700
800
900
1000
1100
-0.0020
-0.0015
-0.0010
-0.0005
0.0000
0.0005
0.0010
0.0015
0.0020
Conductivity Difference, 2 - 1 [S/m]
-0.015
-0.010
-0.005
0.000
0.005
0.010
0.015
0.020
Salinity, Practical, Difference, 2 - 1 [PSU]

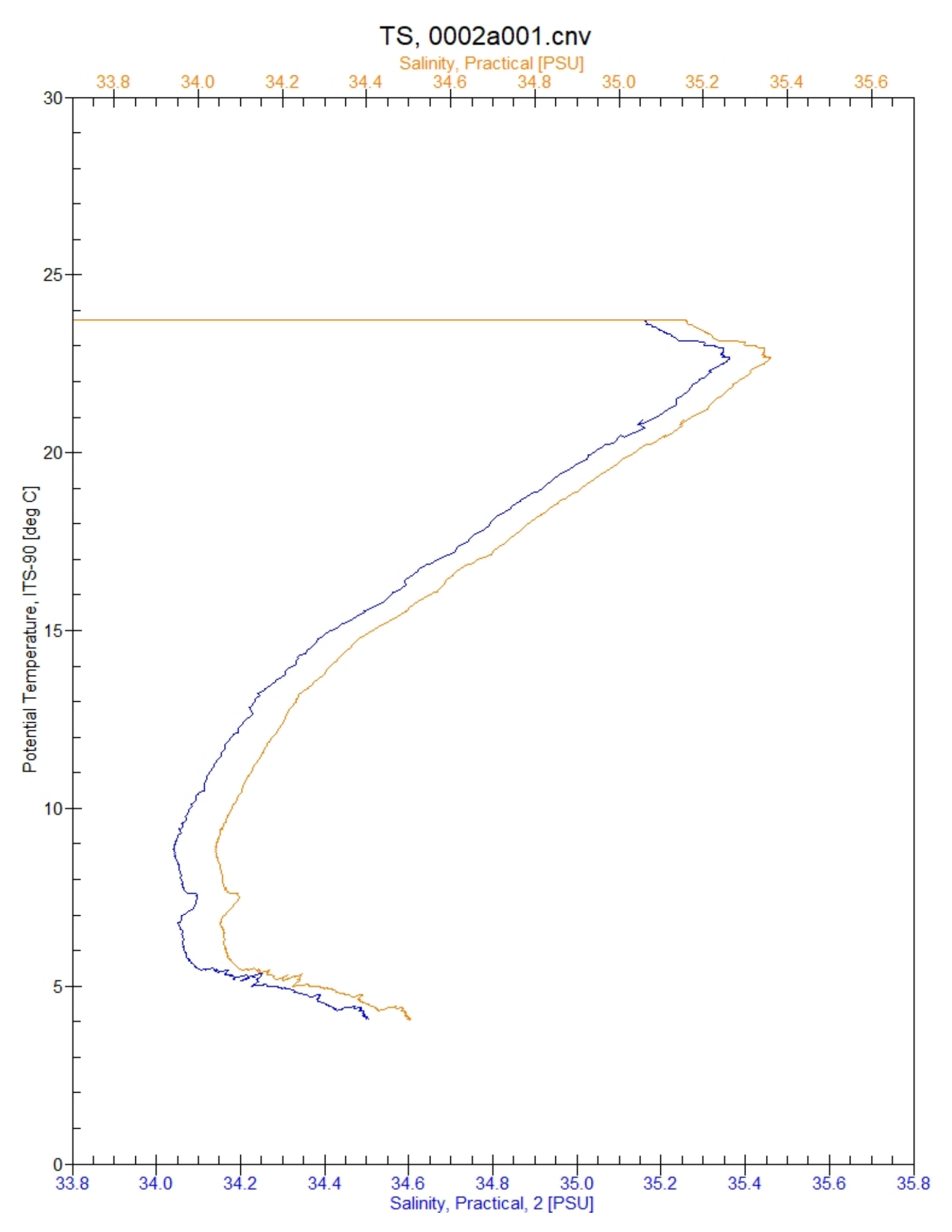

TS, 0001a001.cnv
Salinity, Practical [PSU]
33.8
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
30
25
20
15
10
5
0
Potential Temperature, ITS-90 [deg C]
33.8
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
35.8
Salinity, Practical, 2 [PSU]

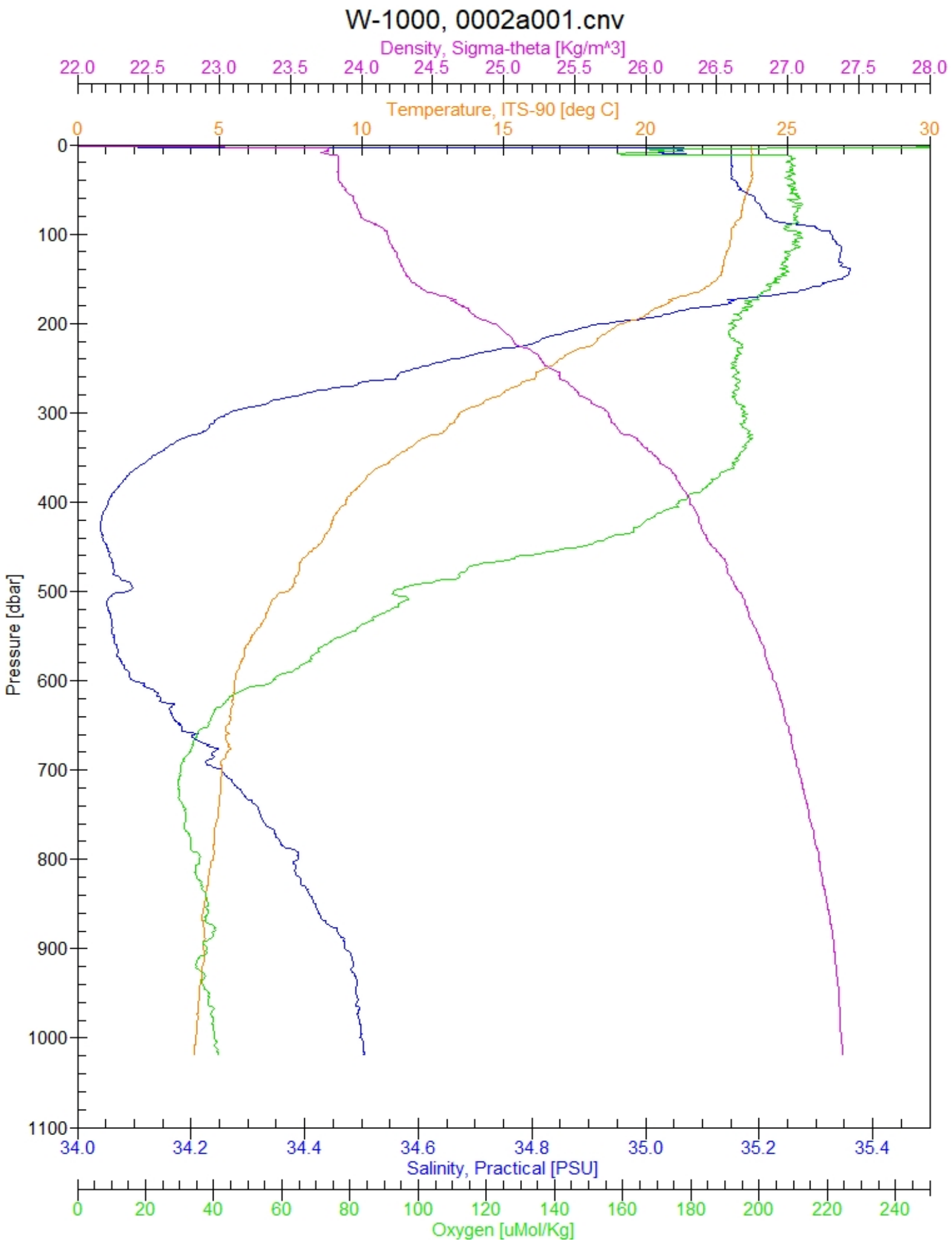

W-1000, 0001a001.cnv
Density, Sigma-theta [Kg/m^3]
22.0 22.5 23.0 23.5 24.0 24.5 25.0 25.5 26.0 26.5 27.0 27.5 28.0
Temperature, ITS-90 [deg C]
0 5 10 15 20 25 30
Pressure [dbar]
0 100 200 300 400 500 600 700 800 900 1000 1100
34.0 34.2 34.4 34.6 34.8 35.0 35.2 35.4
Salinity, Practical [PSU]
0 20 40 60 80 100 120 140 160 180 200 220 240
Oxygen [uMol/Kg]

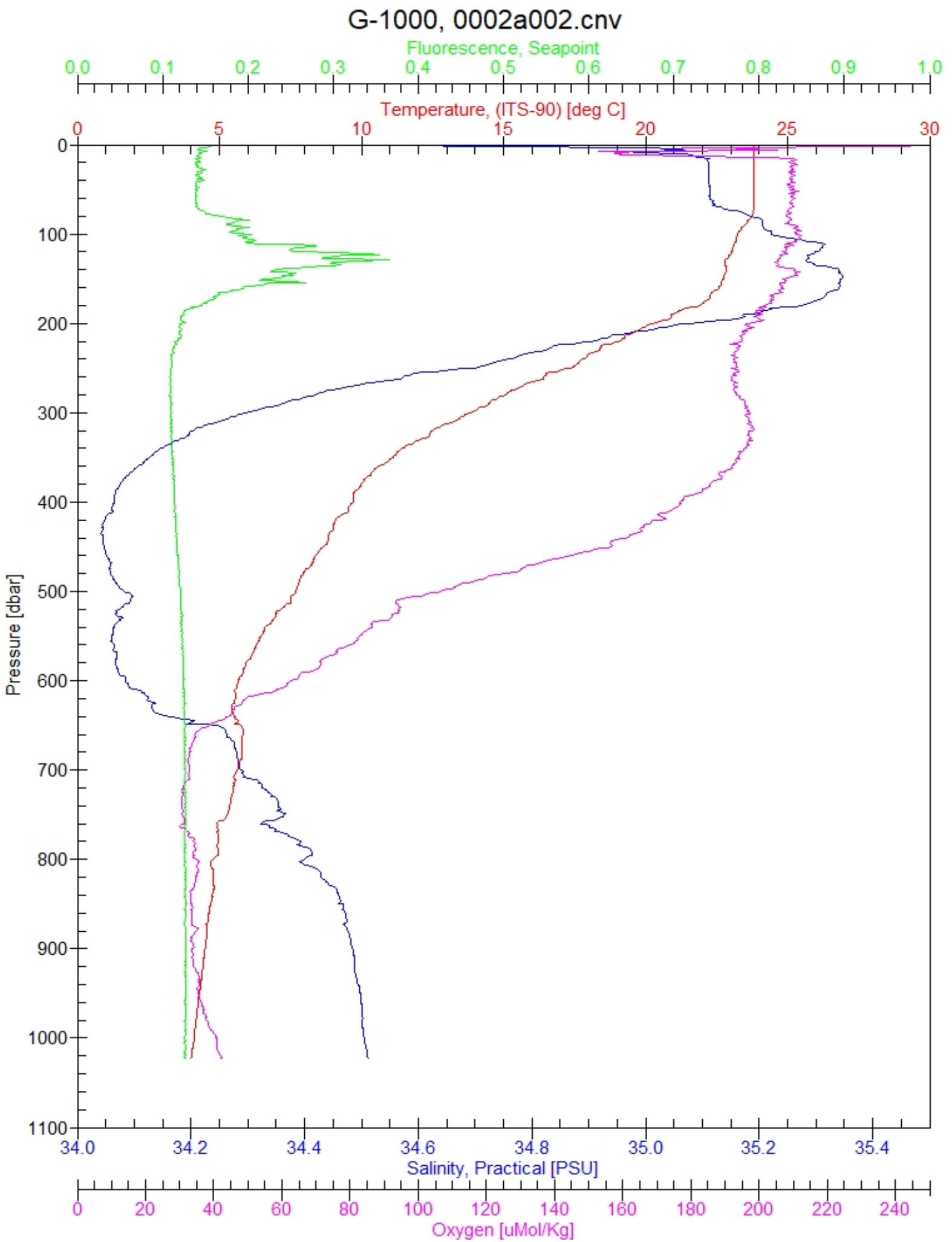

G-1000, 0002a001.cnv
Fluorescence, Seapoint
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
Temperature, (ITS-90) [deg C]
0
5
10
15
20
25
30
Pressure [dbar]
0
100
200
300
400
500
600
700
800
900
1000
1100
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
Salinity, Practical [PSU]
0
20
40
60
80
100
120
140
160
180
200
220
240
Oxygen [uMol/Kg]

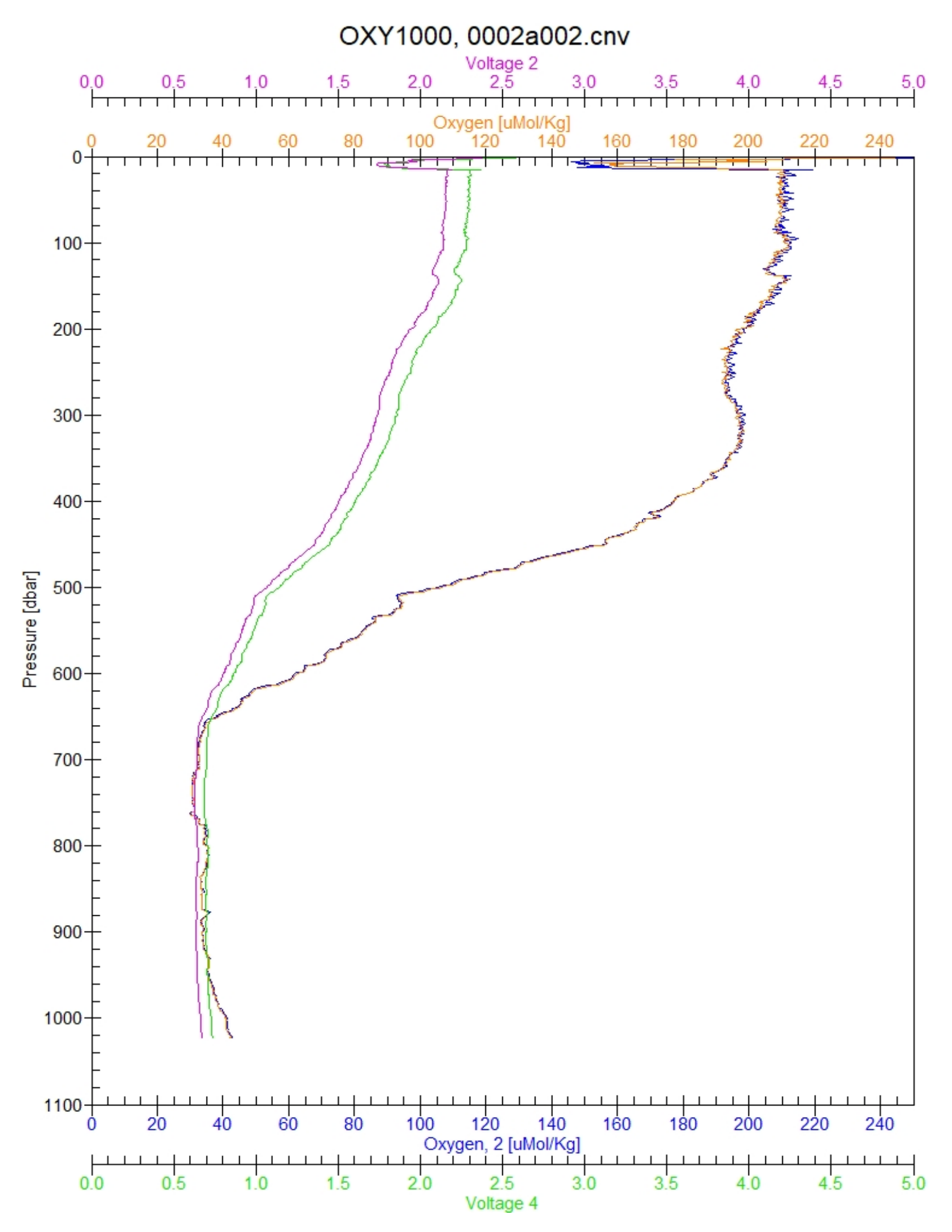

OXY1000, 0002a001.cnv
Voltage 2
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0
Oxygen [uMol/Kg]
0 20 40 60 80 100 120 140 160 180 200 220 240
Pressure [dbar]
0 100 200 300 400 500 600 700 800 900 1000 1100
Oxygen, 2 [uMol/Kg]
Voltage 4

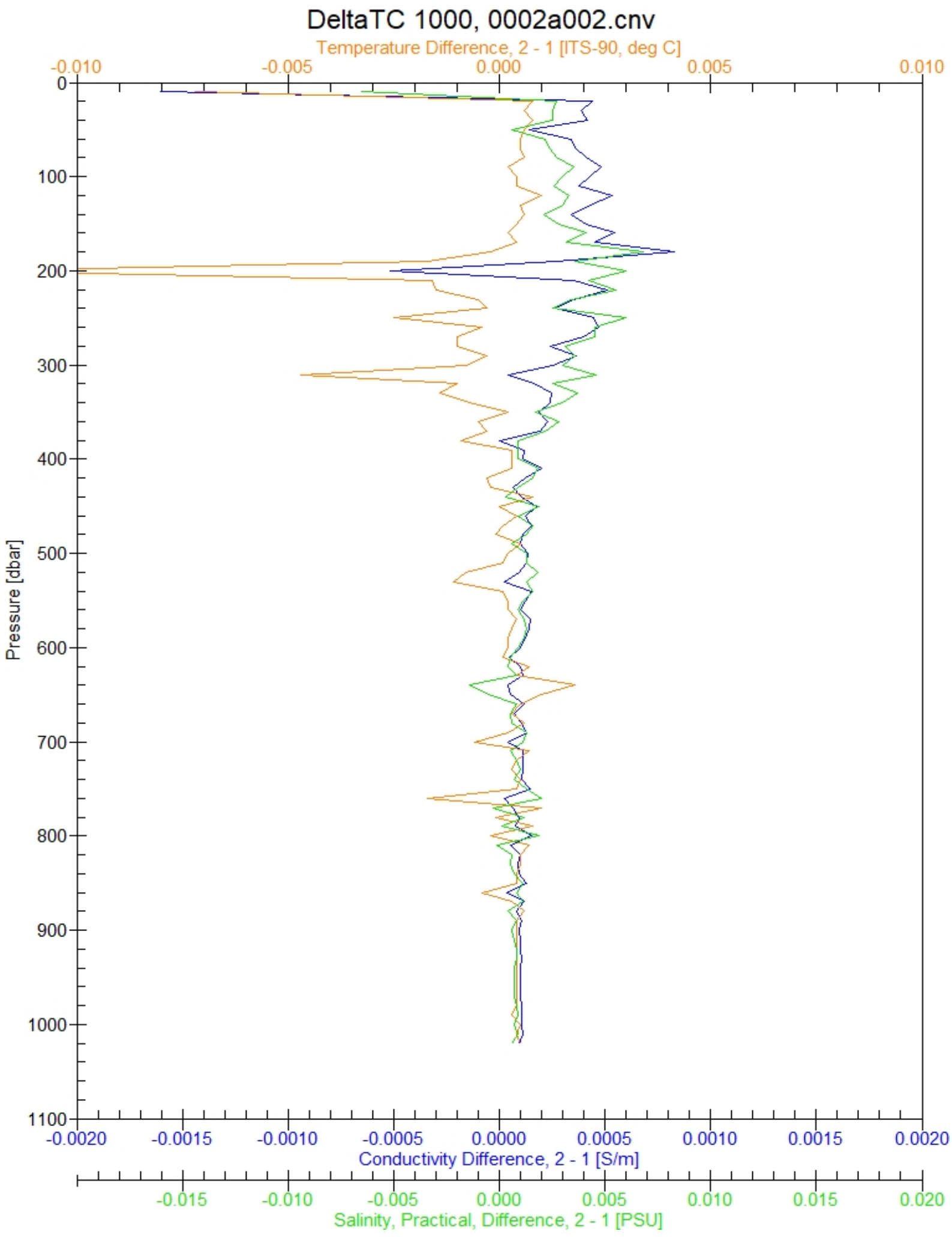

DeltaTC 1000, 0002a001.cnv
Temperature Difference, 2 - 1 [ITS-90, deg C]
-0.010
-0.005
0.000
0.005
0.010
Pressure [dbar]
0
100
200
300
400
500
600
700
800
900
1000
1100
-0.0020
-0.0015
-0.0010
-0.0005
0.0000
0.0005
0.0010
0.0015
0.0020
Conductivity Difference, 2 - 1 [S/m]
-0.015
-0.010
-0.005
0.000
0.005
0.010
0.015
0.020
Salinity, Practical, Difference, 2 - 1 [PSU]

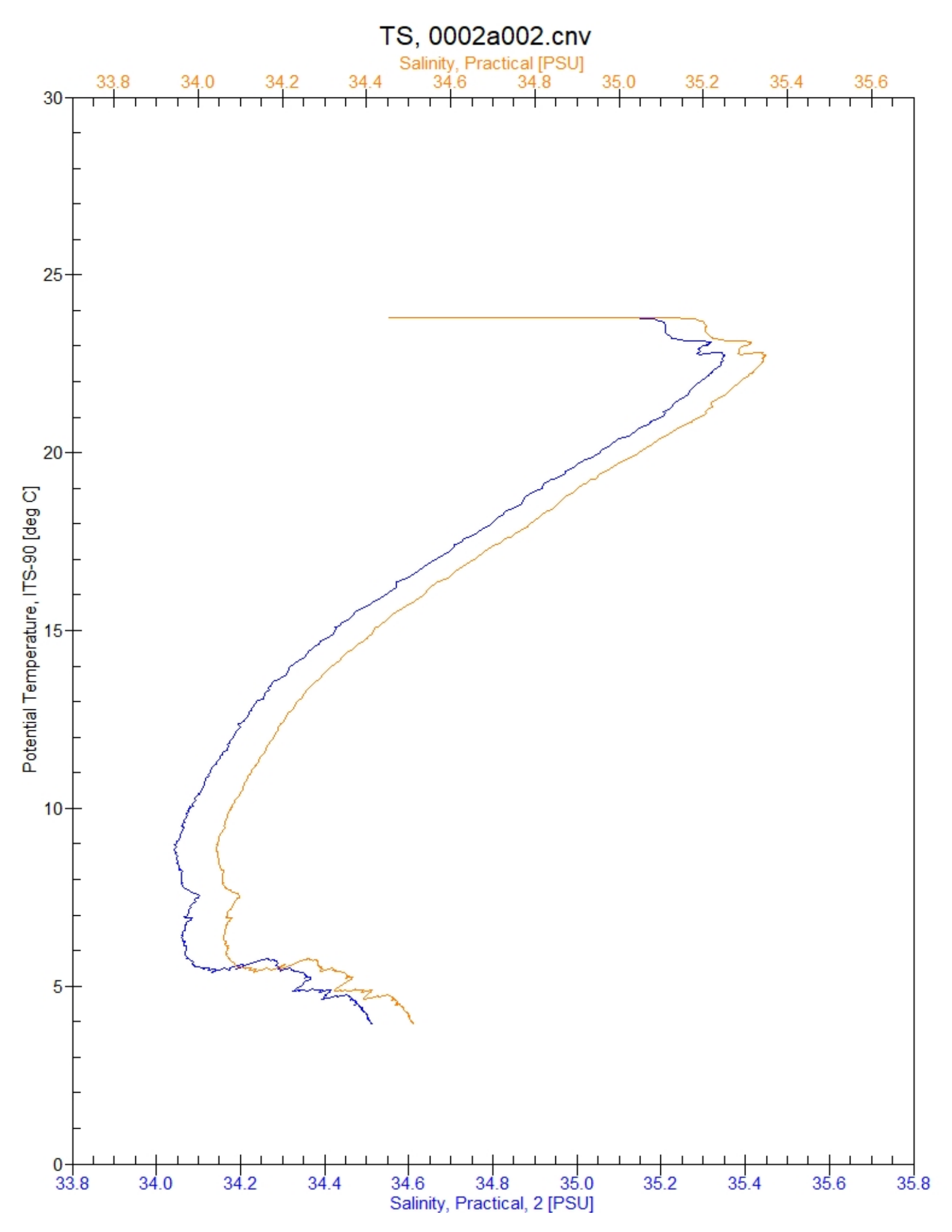

TS, 0002a001.cnv
Salinity, Practical [PSU]
33.8
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
30
25
20
15
10
5
0
Potential Temperature, ITS-90 [deg C]
33.8
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
35.8
Salinity, Practical, 2 [PSU]

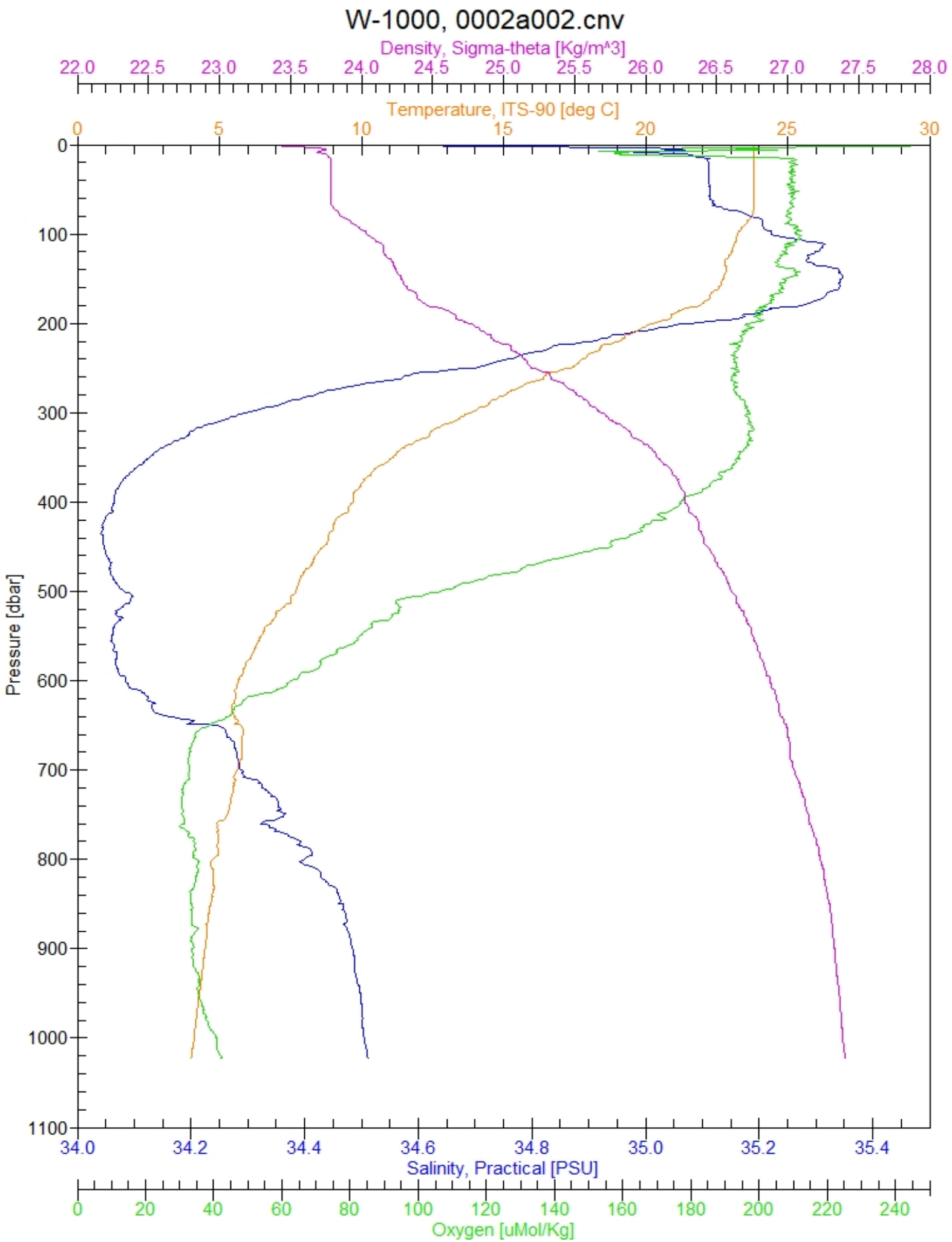

W-1000, 0002a001.cnv
Density, Sigma-theta [Kg/m^3]
22.0 22.5 23.0 23.5 24.0 24.5 25.0 25.5 26.0 26.5 27.0 27.5 28.0
Temperature, ITS-90 [deg C]
0 5 10 15 20 25 30
Pressure [dbar]
0 100 200 300 400 500 600 700 800 900 1000 1100
34.0 34.2 34.4 34.6 34.8 35.0 35.2 35.4
Salinity, Practical [PSU]
0 20 40 60 80 100 120 140 160 180 200 220 240
Oxygen [uMol/Kg]

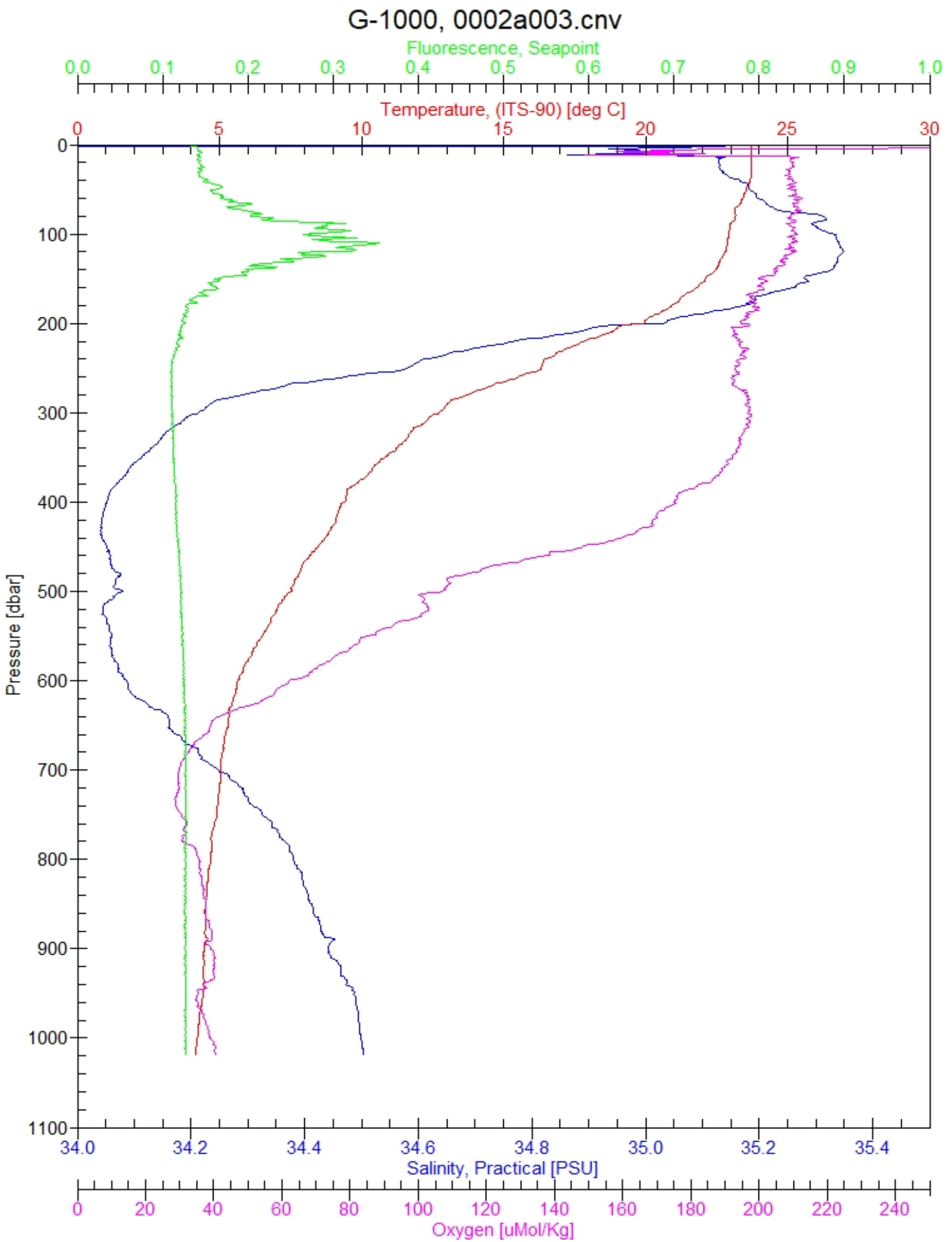

G-1000, 0002a002.cnv
Fluorescence, Seapoint
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
Temperature, (ITS-90) [deg C]
0
5
10
15
20
25
30
Pressure [dbar]
0
100
200
300
400
500
600
700
800
900
1000
1100
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
Salinity, Practical [PSU]
0
20
40
60
80
100
120
140
160
180
200
220
240
Oxygen [uMol/Kg]

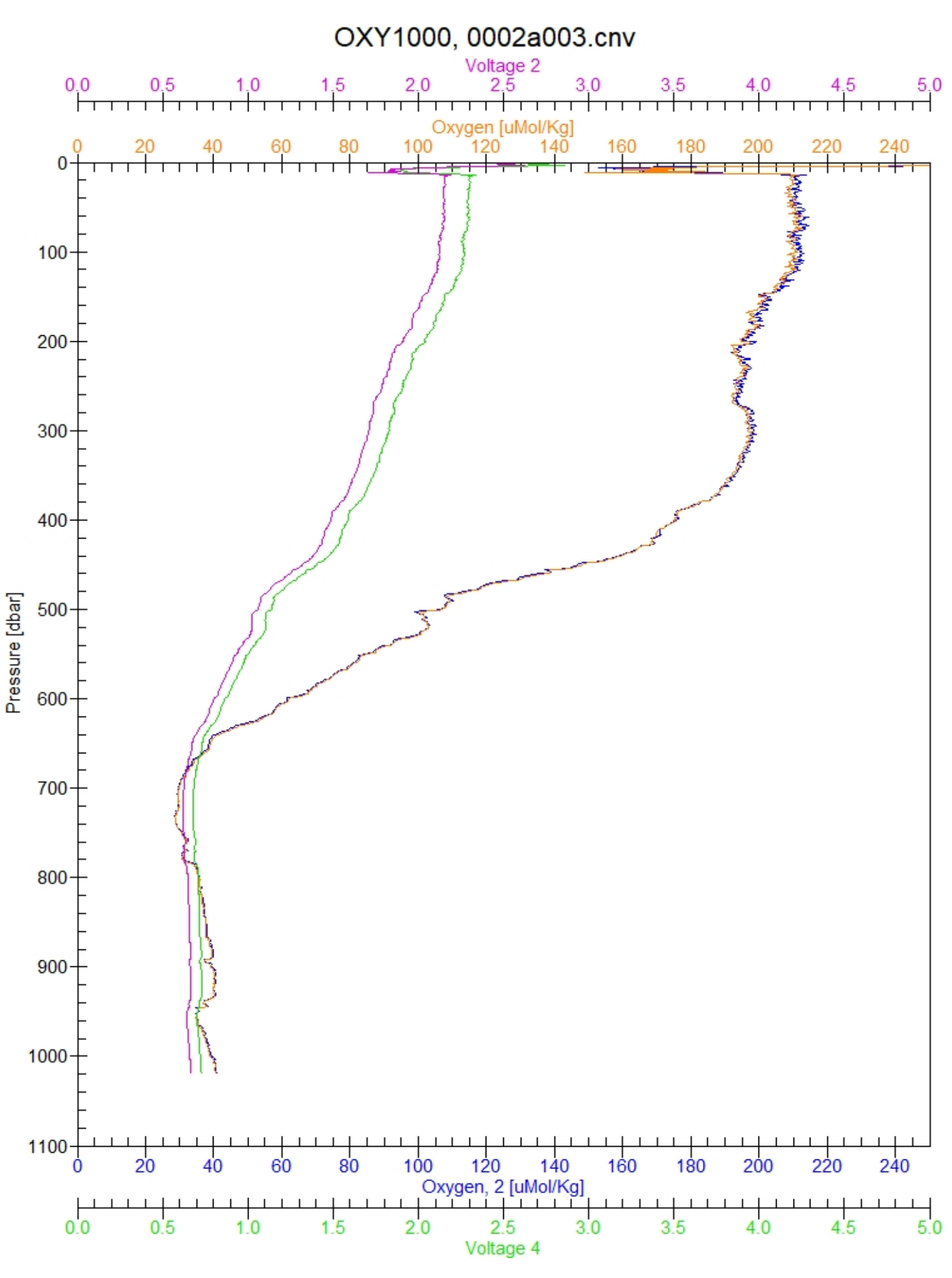

OXY1000, 0002a002.cnv
Voltage 2
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0
Oxygen [uMol/Kg]
0 20 40 60 80 100 120 140 160 180 200 220 240
Pressure [dbar]
0 100 200 300 400 500 600 700 800 900 1000 1100
Oxygen, 2 [uMol/Kg]
Voltage 4

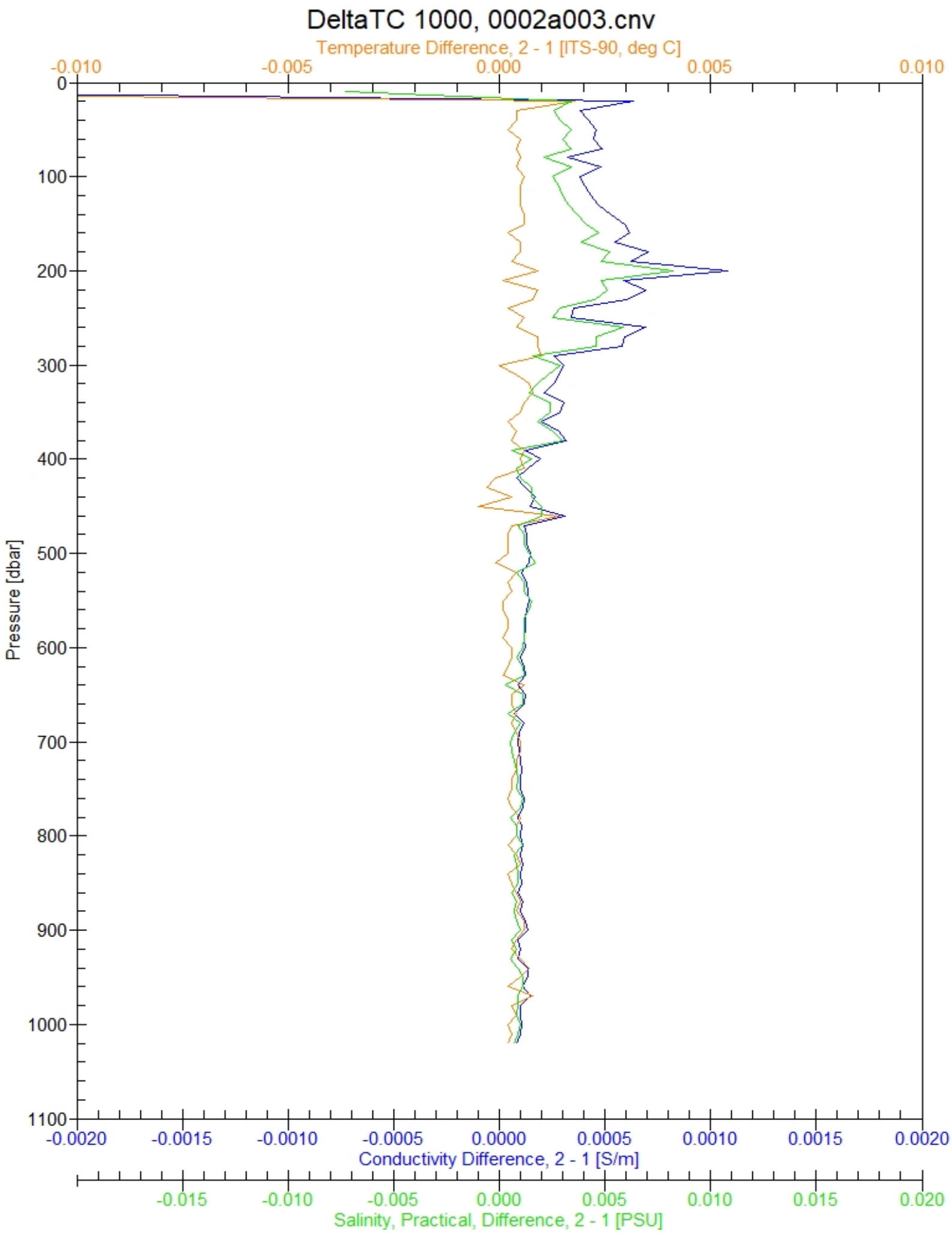

DeltaTC 1000, 0002a002.cnv
Temperature Difference, 2 - 1 [ITS-90, deg C]
-0.010
-0.005
0.000
0.005
0.010
Pressure [dbar]
0
100
200
300
400
500
600
700
800
900
1000
1100
-0.0020
-0.0015
-0.0010
-0.0005
0.0000
0.0005
0.0010
0.0015
0.0020
Conductivity Difference, 2 - 1 [S/m]
-0.015
-0.010
-0.005
0.000
0.005
0.010
0.015
0.020
Salinity, Practical, Difference, 2 - 1 [PSU]

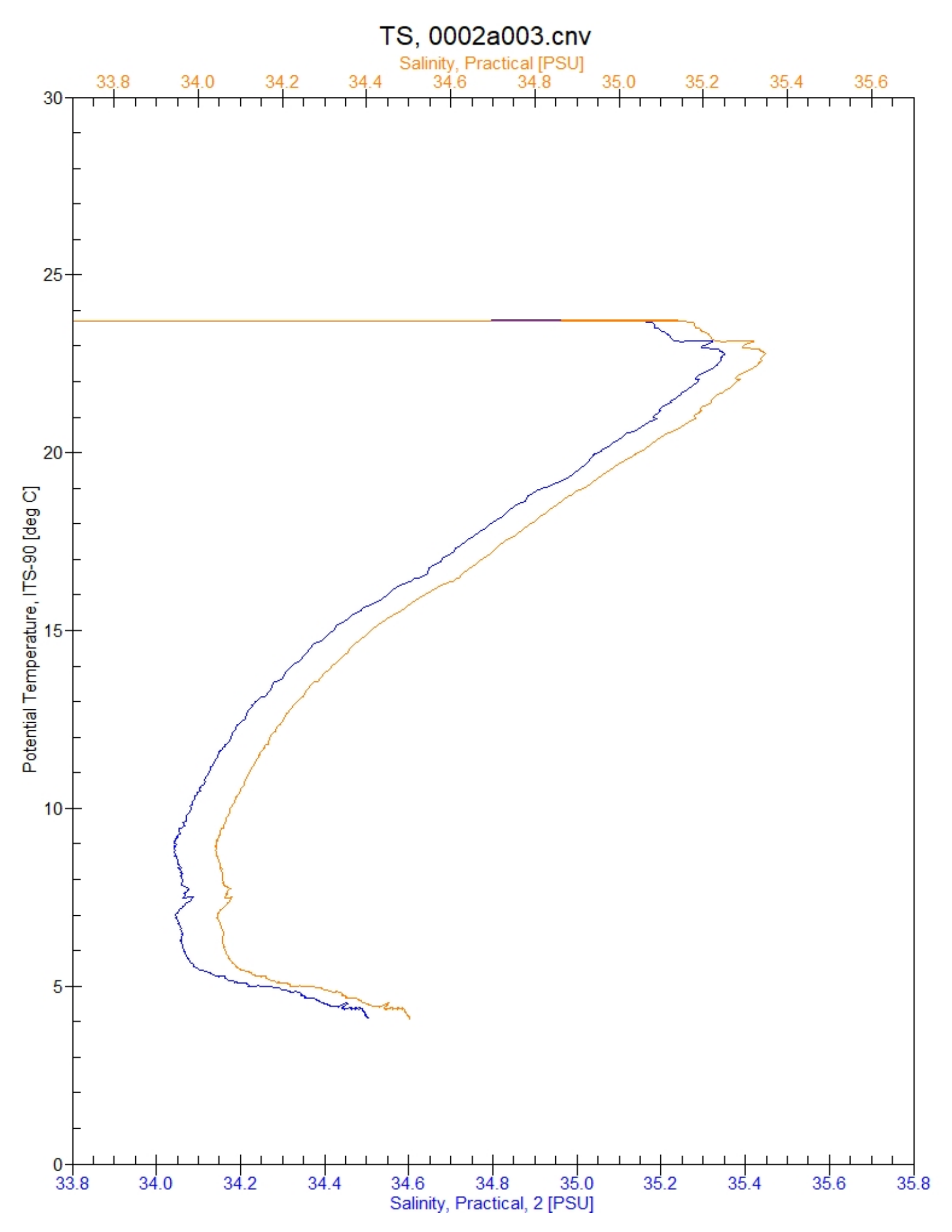

TS, 0002a002.cnv
Salinity, Practical [PSU]
33.8
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
30
25
20
15
10
5
0
Potential Temperature, ITS-90 [deg C]
33.8
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
35.8
Salinity, Practical, 2 [PSU]

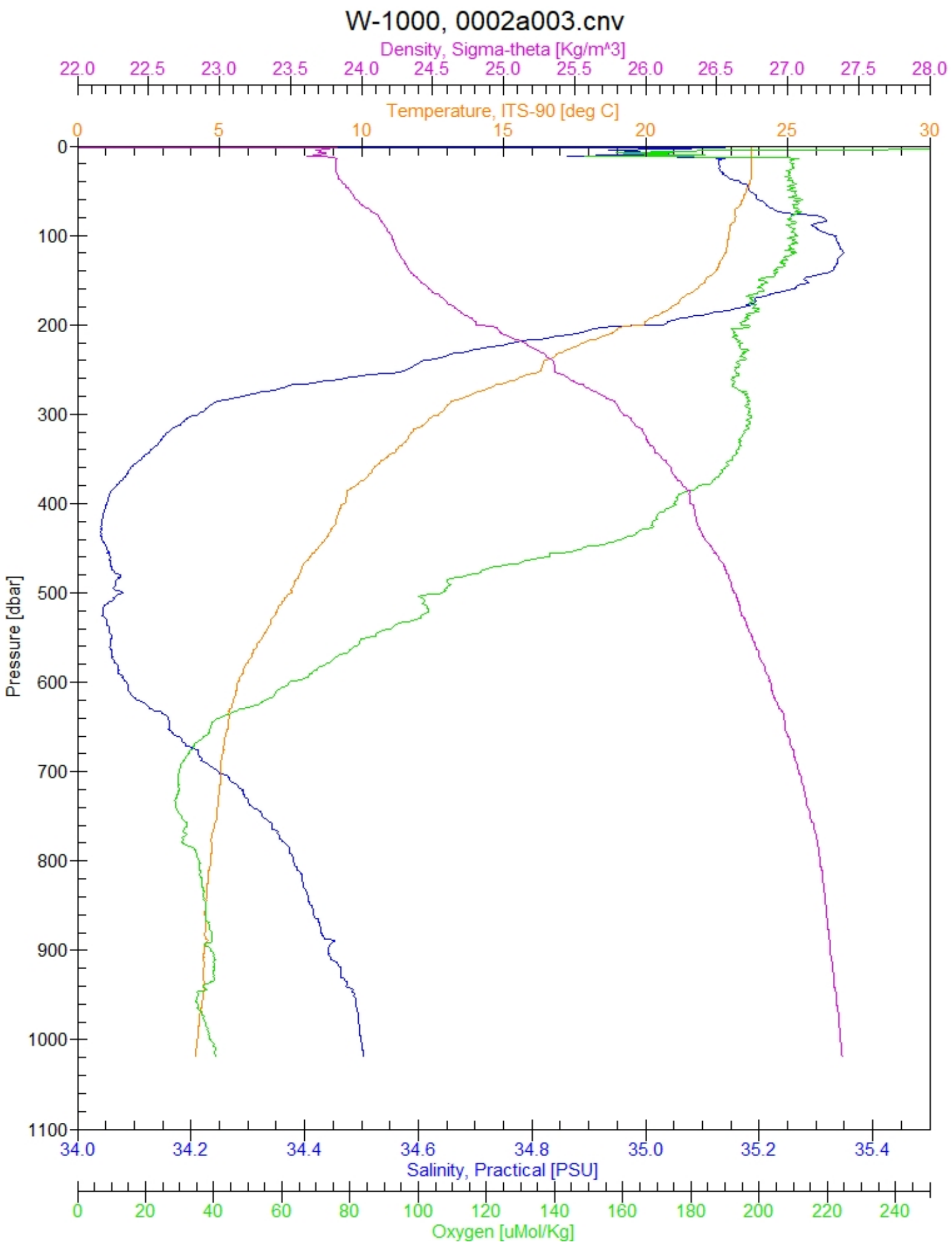

W-1000, 0002a002.cnv
Density, Sigma-theta [Kg/m^3]
22.0 22.5 23.0 23.5 24.0 24.5 25.0 25.5 26.0 26.5 27.0 27.5 28.0
Temperature, ITS-90 [deg C]
0 5 10 15 20 25 30
Pressure [dbar]
0 100 200 300 400 500 600 700 800 900 1000 1100
34.0 34.2 34.4 34.6 34.8 35.0 35.2 35.4
Salinity, Practical [PSU]
0 20 40 60 80 100 120 140 160 180 200 220 240
Oxygen [uMol/Kg]

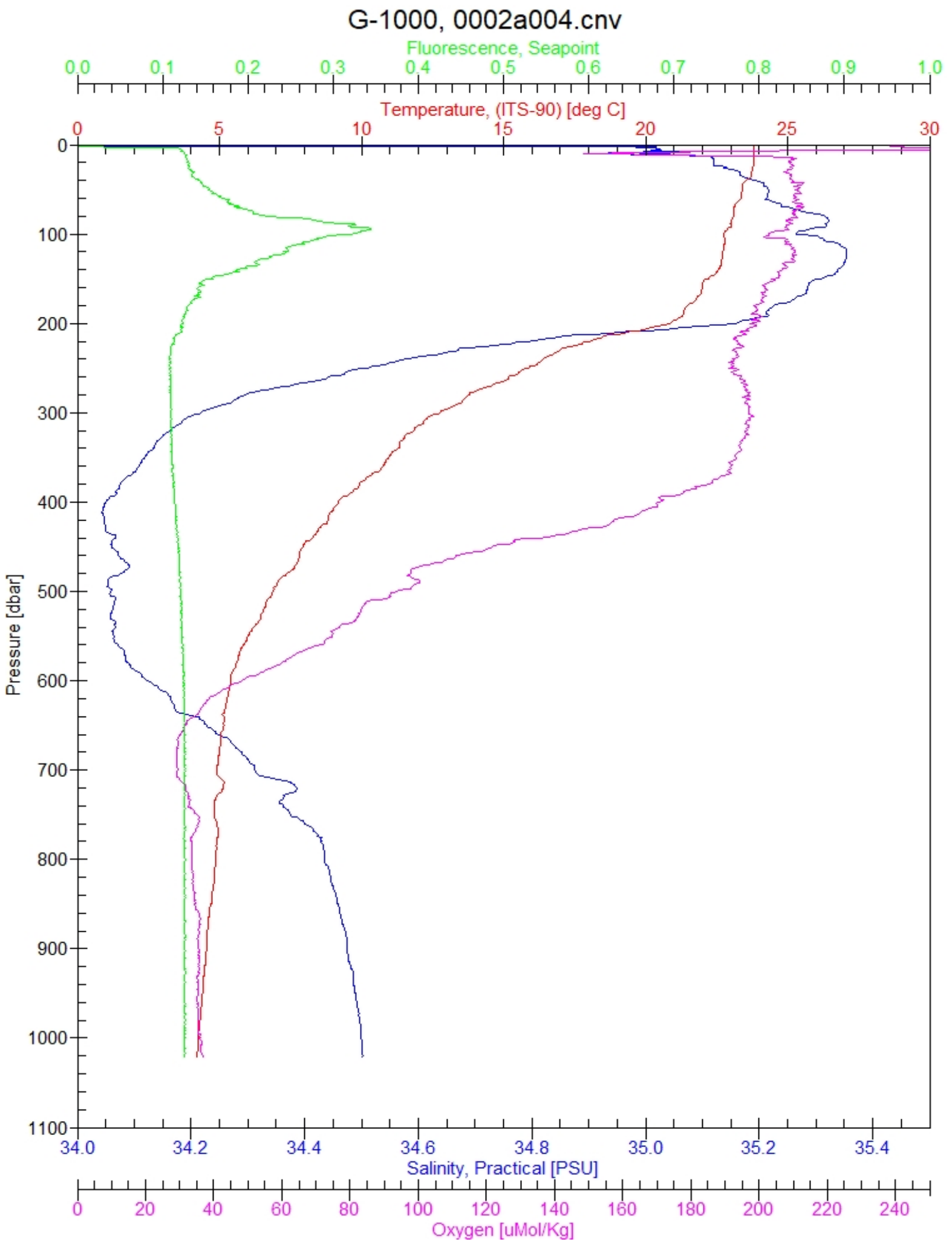

G-1000, 0002a003.cnv
Fluorescence, Seapoint
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
Temperature, (ITS-90) [deg C]
0
5
10
15
20
25
30
Pressure [dbar]
0
100
200
300
400
500
600
700
800
900
1000
1100
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
Salinity, Practical [PSU]
0
20
40
60
80
100
120
140
160
180
200
220
240
Oxygen [uMol/Kg]

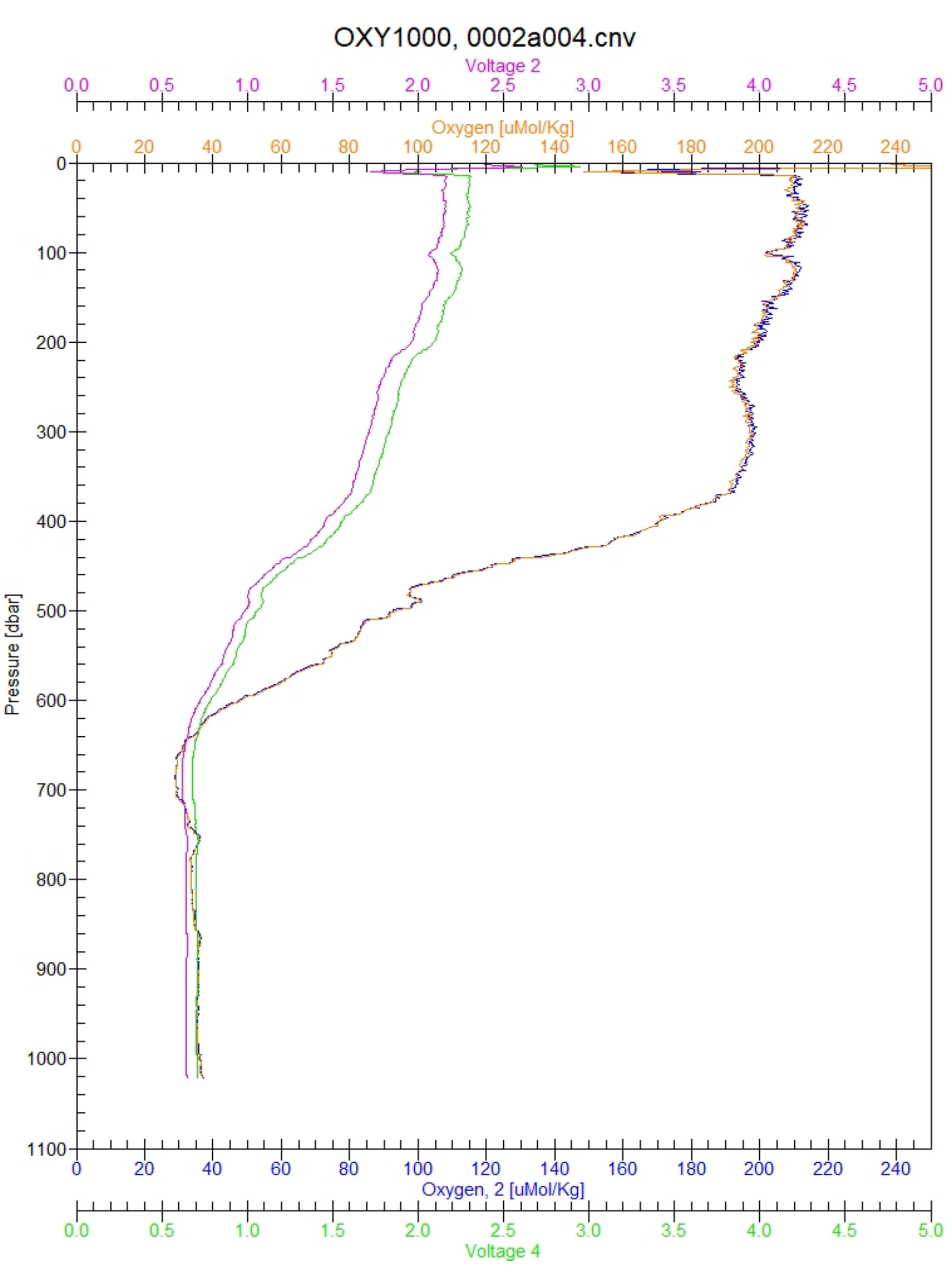

OXY1000, 0002a003.cnv
Voltage 2
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0
Oxygen [uMol/Kg]
0 20 40 60 80 100 120 140 160 180 200 220 240
Pressure [dbar]
0 100 200 300 400 500 600 700 800 900 1000 1100
Oxygen, 2 [uMol/Kg]
0 20 40 60 80 100 120 140 160 180 200 220 240
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0
Voltage 4

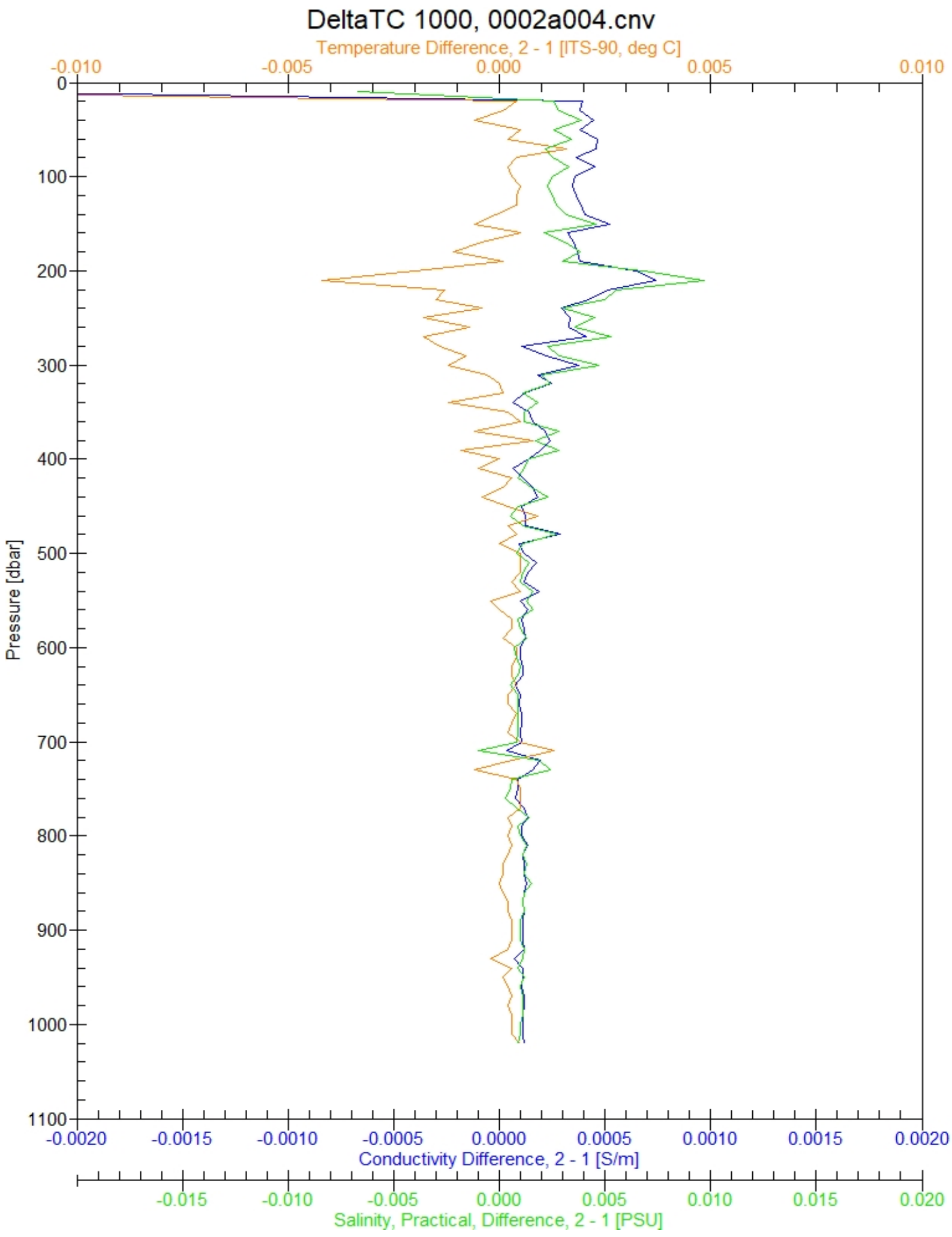

DeltaTC 1000, 0002a003.cnv
Temperature Difference, 2 - 1 [ITS-90, deg C]
-0.010
-0.005
0.000
0.005
0.010
Pressure [dbar]
0
100
200
300
400
500
600
700
800
900
1000
1100
-0.0020
-0.0015
-0.0010
-0.0005
0.0000
0.0005
0.0010
0.0015
0.0020
Conductivity Difference, 2 - 1 [S/m]
-0.015
-0.010
-0.005
0.000
0.005
0.010
0.015
0.020
Salinity, Practical, Difference, 2 - 1 [PSU]

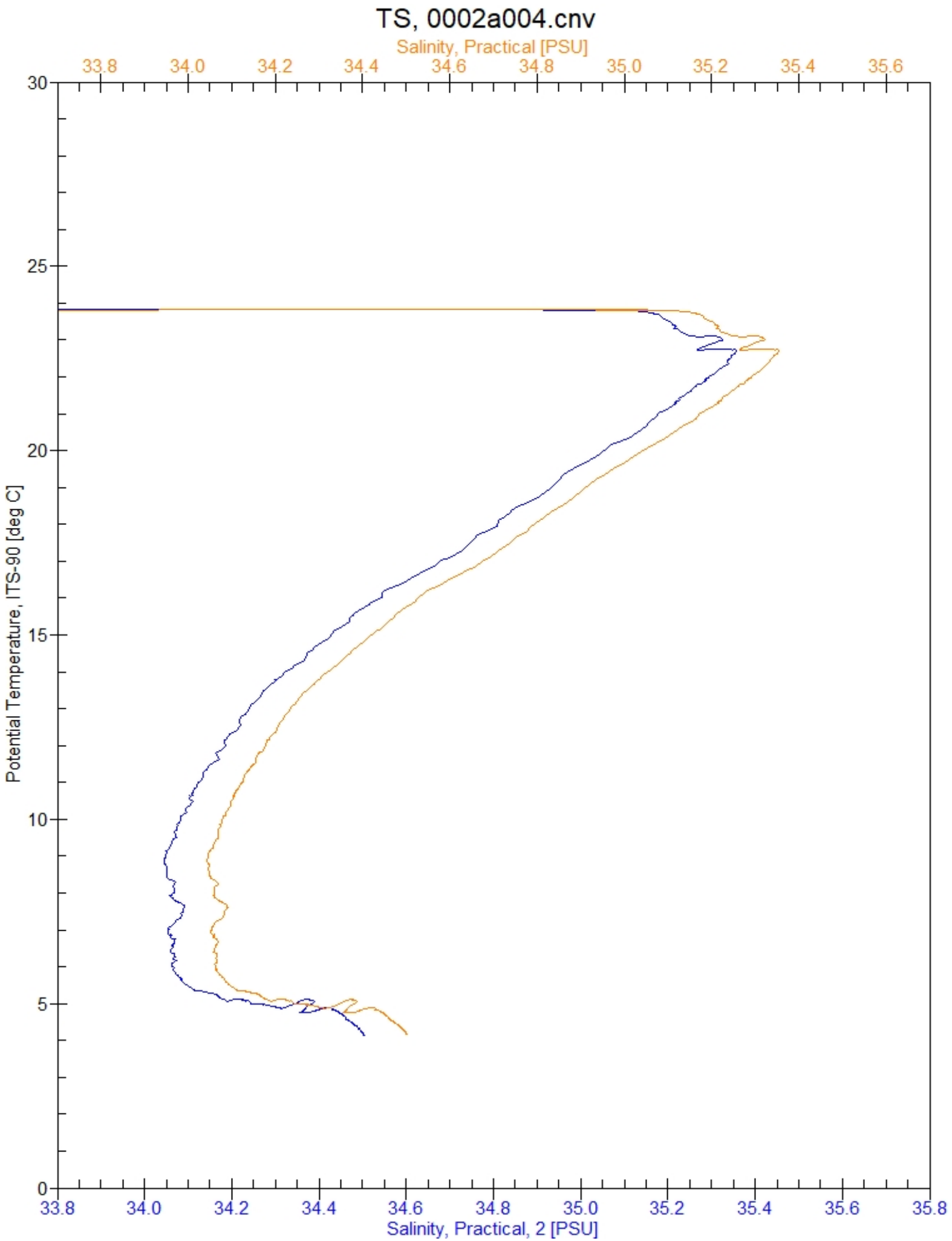

TS, 0002a003.cnv
Salinity, Practical [PSU]
33.8
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
30
25
20
15
10
5
0
Potential Temperature, ITS-90 [deg C]
33.8
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
35.8
Salinity, Practical, 2 [PSU]

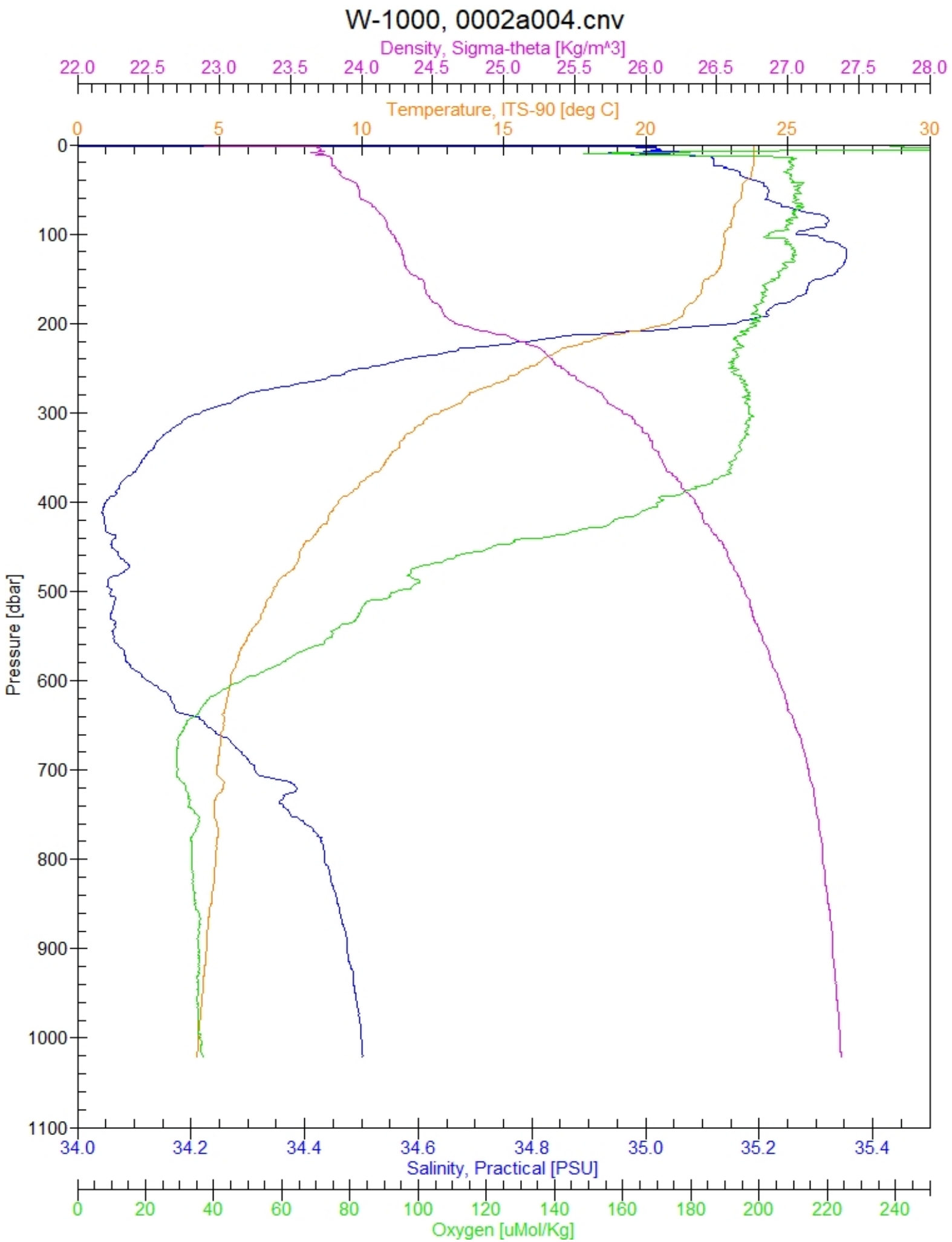

W-1000, 0002a003.cnv
Density, Sigma-theta [Kg/m^3]
22.0 22.5 23.0 23.5 24.0 24.5 25.0 25.5 26.0 26.5 27.0 27.5 28.0
Temperature, ITS-90 [deg C]
0 5 10 15 20 25 30
Pressure [dbar]
0 100 200 300 400 500 600 700 800 900 1000 1100
34.0 34.2 34.4 34.6 34.8 35.0 35.2 35.4
Salinity, Practical [PSU]
0 20 40 60 80 100 120 140 160 180 200 220 240
Oxygen [uMol/Kg]

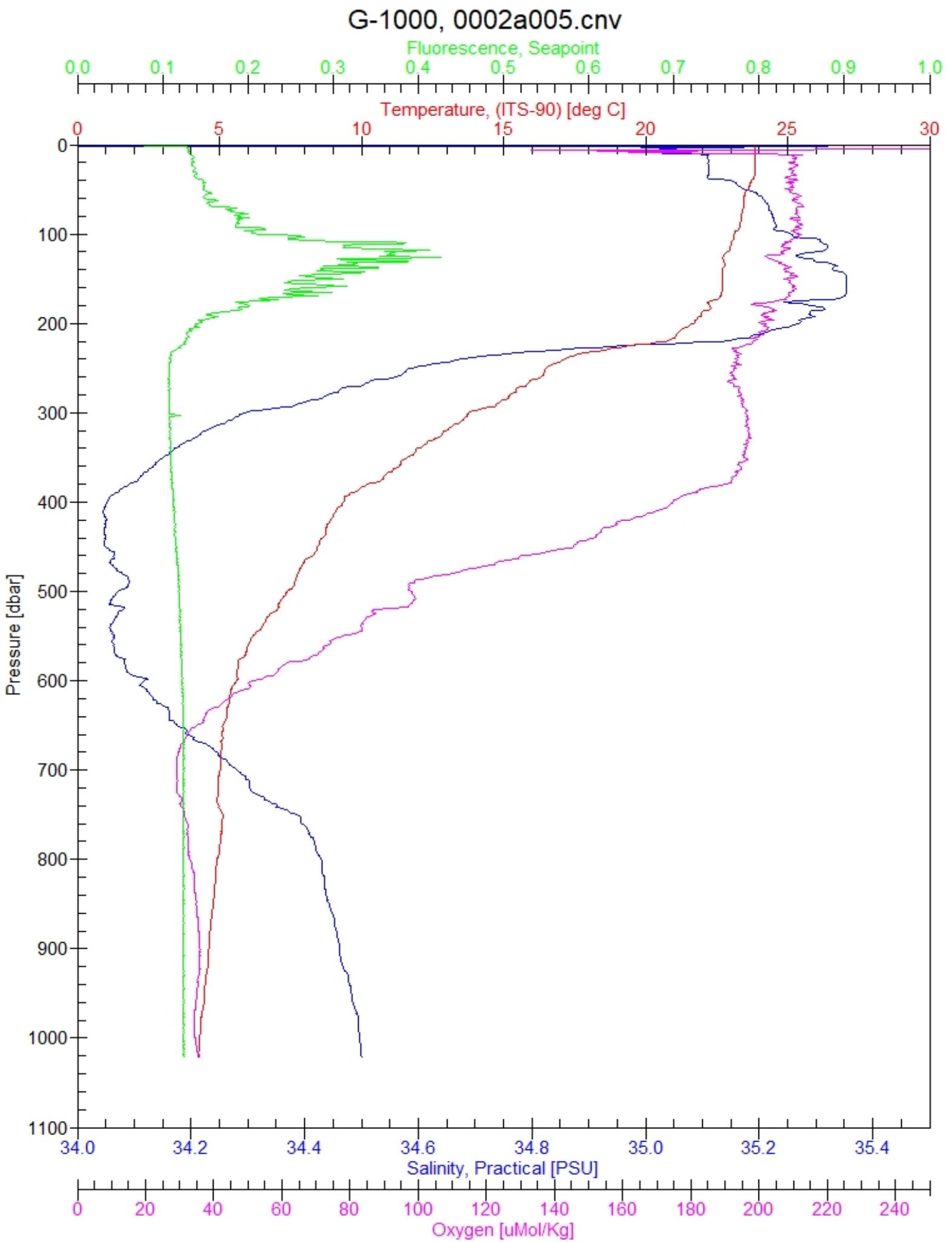

G-1000, 0002a004.cnv
Fluorescence, Seapoint
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
Temperature, (ITS-90) [deg C]
0
5
10
15
20
25
30
Pressure [dbar]
0
100
200
300
400
500
600
700
800
900
1000
1100
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
Salinity, Practical [PSU]
0
20
40
60
80
100
120
140
160
180
200
220
240
Oxygen [uMol/Kg]

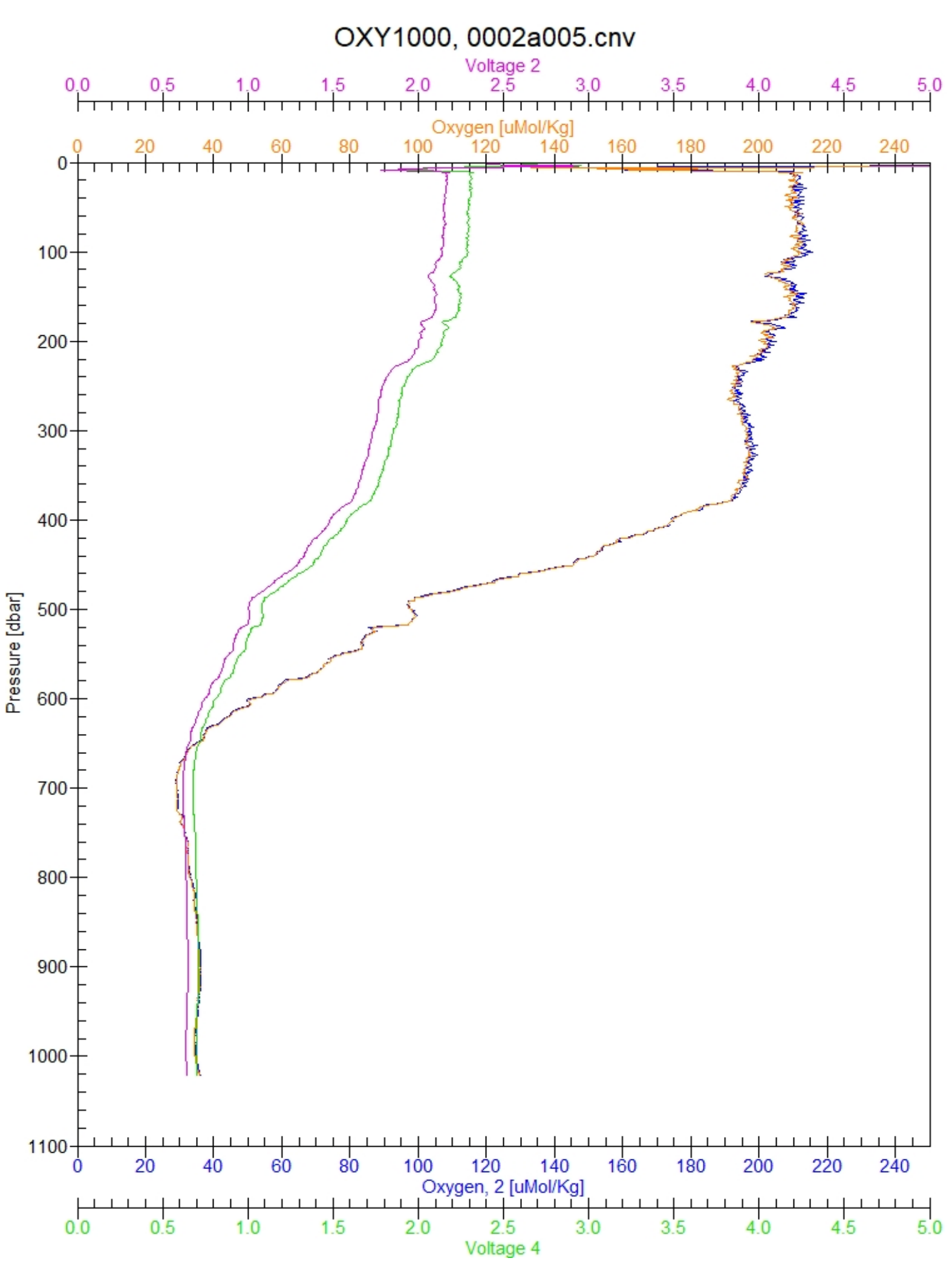

OXY1000, 0002a004.cnv
Voltage 2
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0
Oxygen [uMol/Kg]
0 20 40 60 80 100 120 140 160 180 200 220 240
Pressure [dbar]
0 100 200 300 400 500 600 700 800 900 1000 1100
Oxygen, 2 [uMol/Kg]
0 20 40 60 80 100 120 140 160 180 200 220 240
Voltage 4
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0

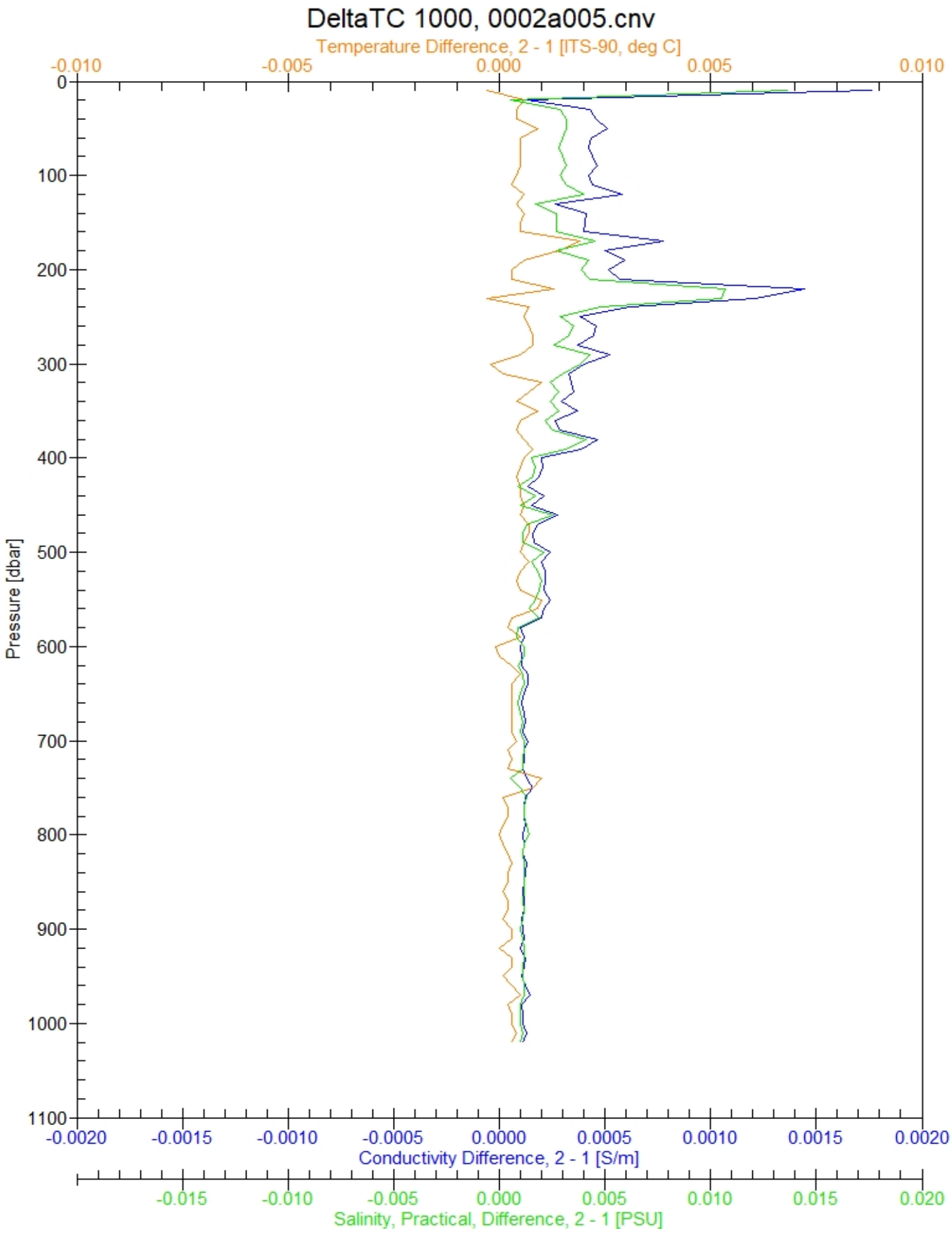

DeltaTC 1000, 0002a004.cnv
Temperature Difference, 2 - 1 [ITS-90, deg C]
-0.010
-0.005
0.000
0.005
0.010
Pressure [dbar]
0
100
200
300
400
500
600
700
800
900
1000
1100
-0.0020
-0.0015
-0.0010
-0.0005
0.0000
0.0005
0.0010
0.0015
0.0020
Conductivity Difference, 2 - 1 [S/m]
-0.015
-0.010
-0.005
0.000
0.005
0.010
0.015
0.020
Salinity, Practical, Difference, 2 - 1 [PSU]

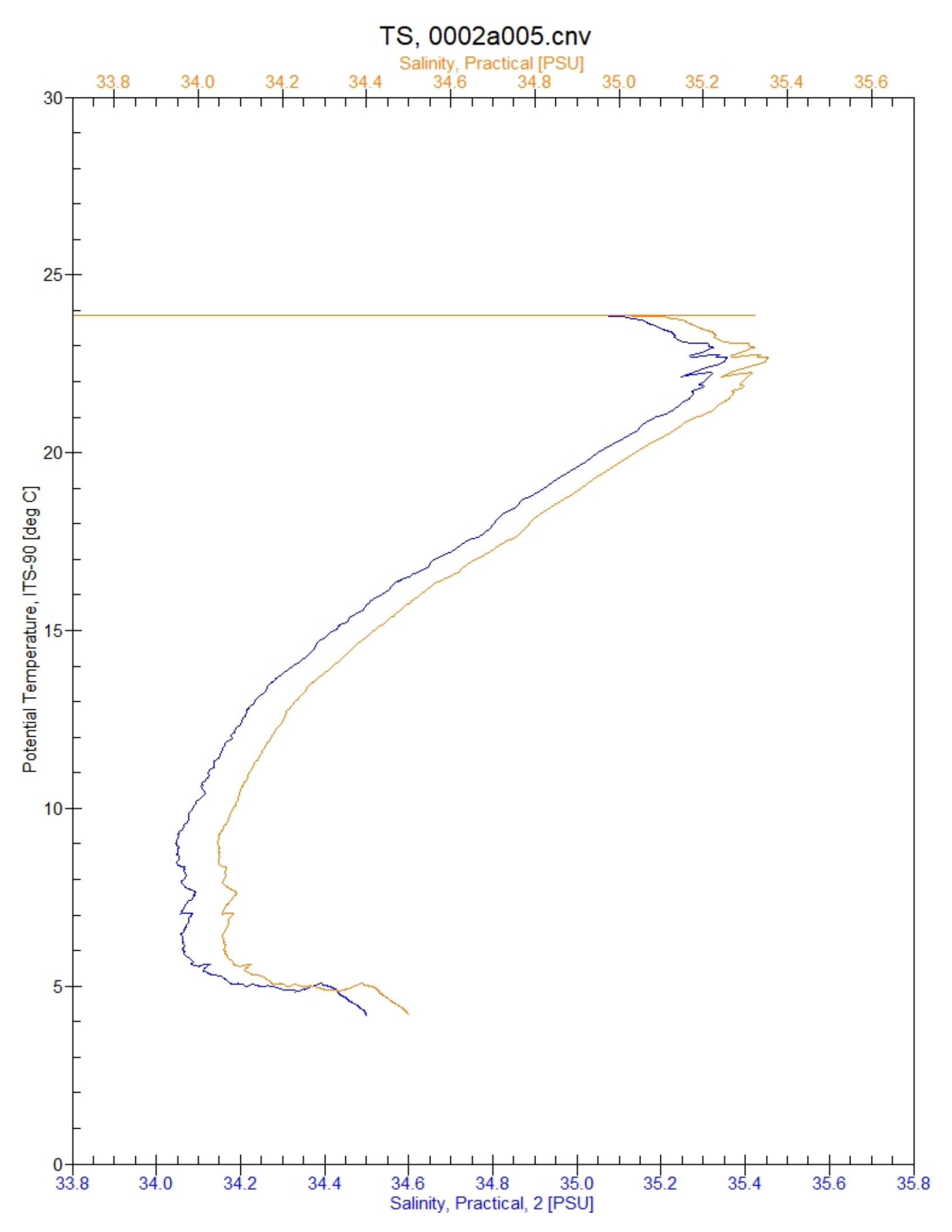

TS, 0002a004.cnv
Salinity, Practical [PSU]
33.8
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
30
25
20
15
10
5
0
Potential Temperature, ITS-90 [deg C]
33.8
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
35.8
Salinity, Practical, 2 [PSU]

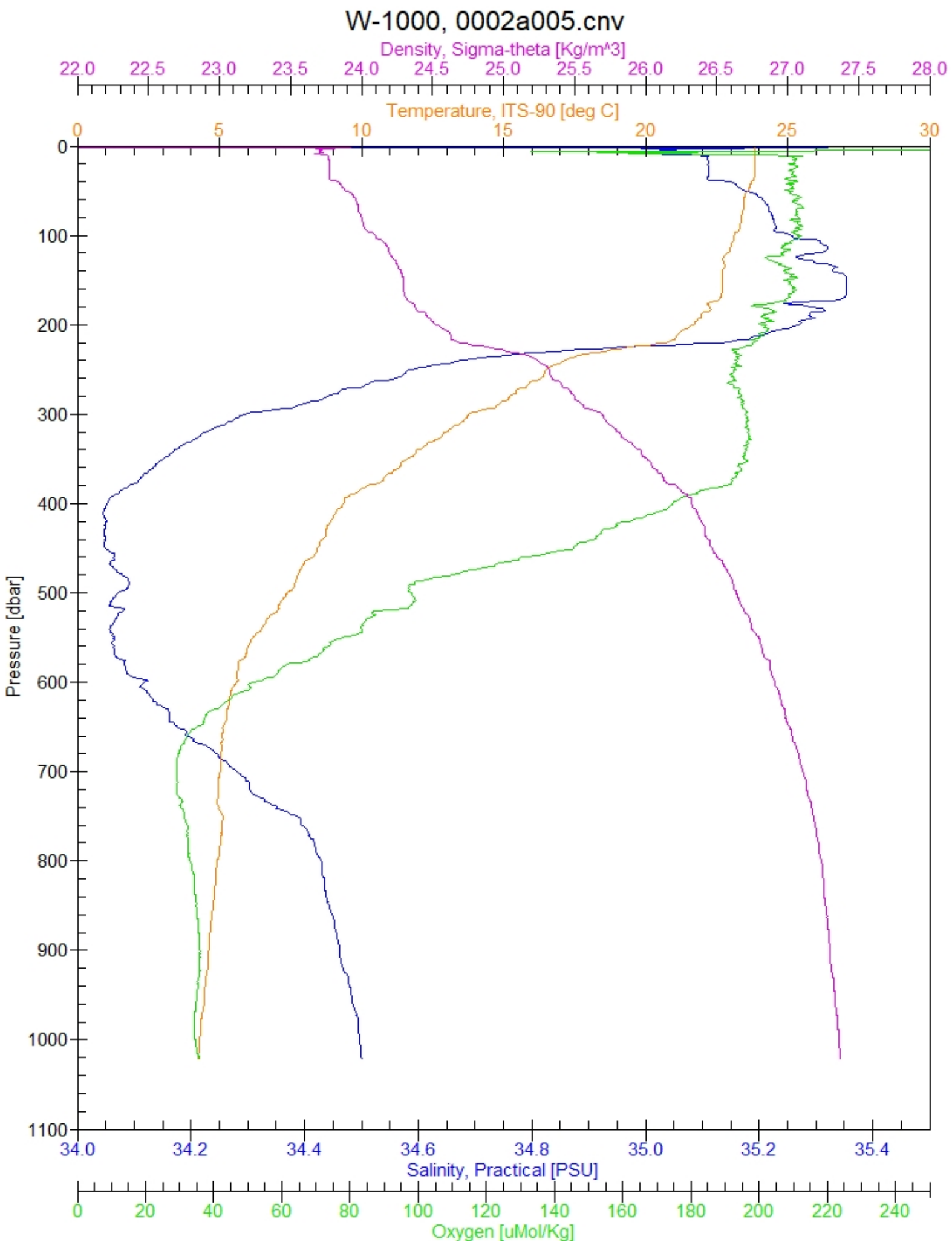

W-1000, 0002a004.cnv
Density, Sigma-theta [Kg/m^3]
22.0 22.5 23.0 23.5 24.0 24.5 25.0 25.5 26.0 26.5 27.0 27.5 28.0
Temperature, ITS-90 [deg C]
0 5 10 15 20 25 30
Pressure [dbar]
0 100 200 300 400 500 600 700 800 900 1000 1100
34.0 34.2 34.4 34.6 34.8 35.0 35.2 35.4
Salinity, Practical [PSU]
0 20 40 60 80 100 120 140 160 180 200 220 240
Oxygen [uMol/Kg]

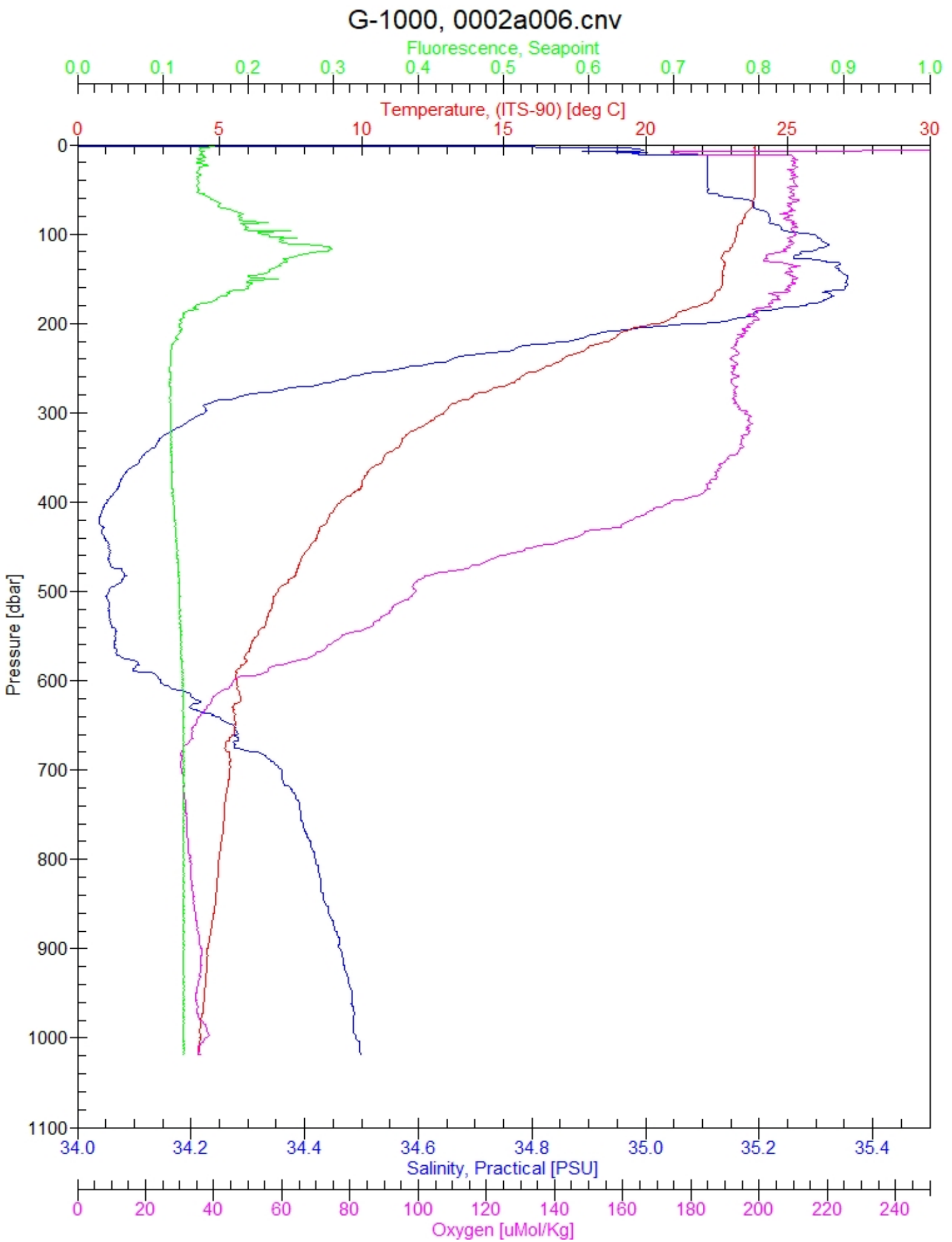

G-1000, 0002a005.cnv
Fluorescence, Seapoint
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
Temperature, (ITS-90) [deg C]
0
5
10
15
20
25
30
Pressure [dbar]
0
100
200
300
400
500
600
700
800
900
1000
1100
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
Salinity, Practical [PSU]
0
20
40
60
80
100
120
140
160
180
200
220
240
Oxygen [uMol/Kg]

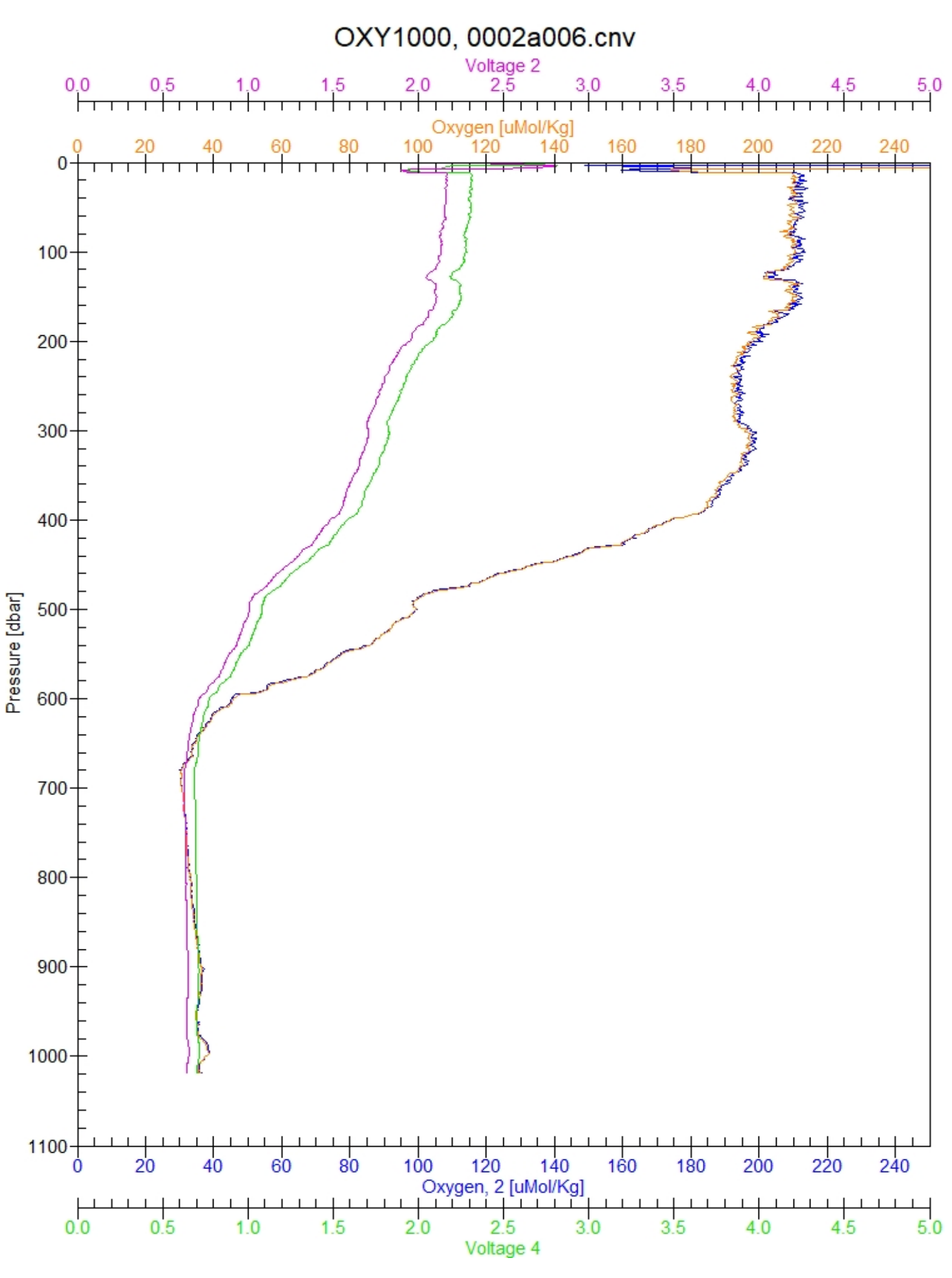

OXY1000, 0002a005.cnv
Voltage 2
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0
Oxygen [uMol/Kg]
0 20 40 60 80 100 120 140 160 180 200 220 240
Pressure [dbar]
0 100 200 300 400 500 600 700 800 900 1000 1100
0 20 40 60 80 100 120 140 160 180 200 220 240
Oxygen, 2 [uMol/Kg]
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0
Voltage 4

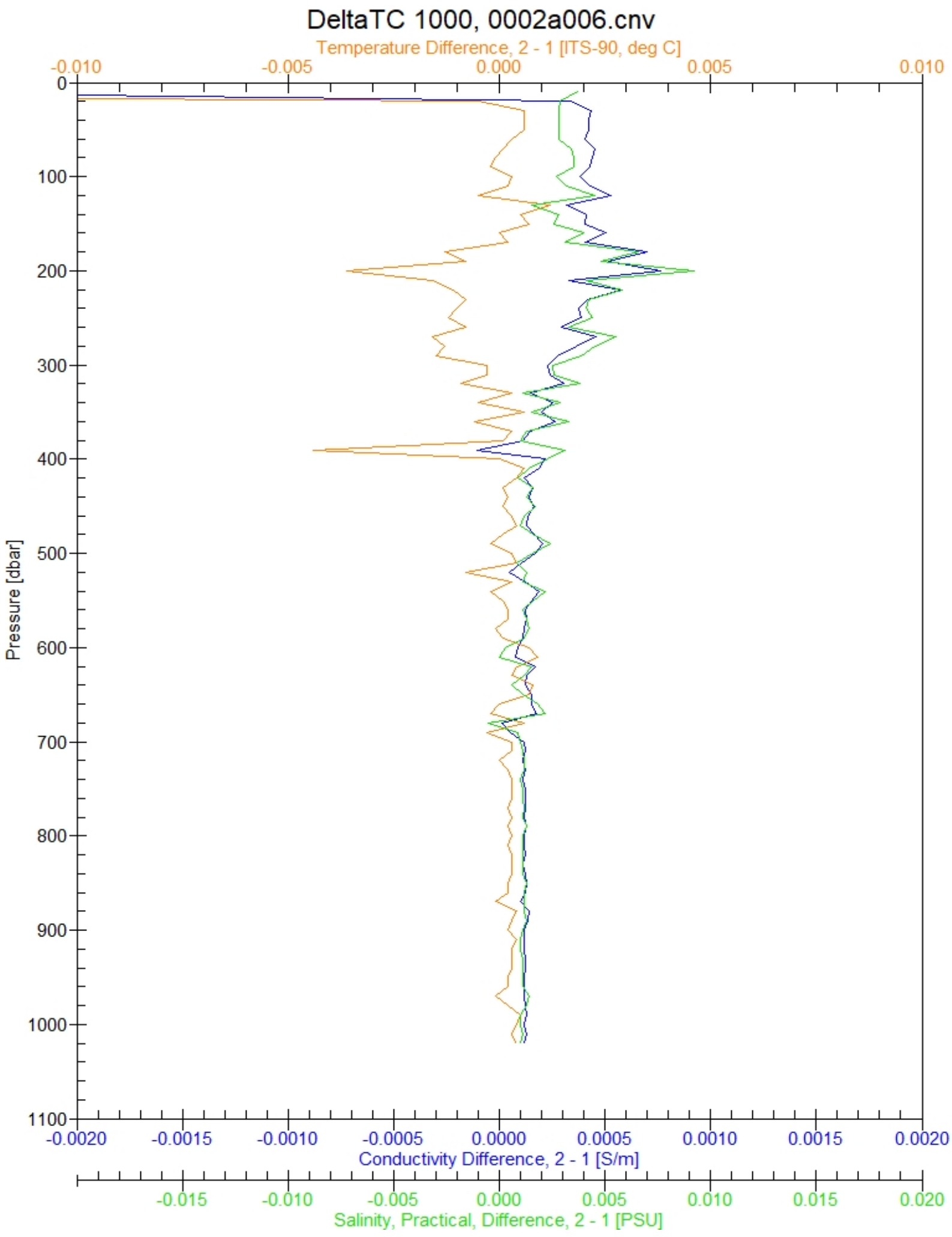

DeltaTC 1000, 0002a005.cnv
Temperature Difference, 2 - 1 [ITS-90, deg C]
-0.010
-0.005
0.000
0.005
0.010
Pressure [dbar]
0
100
200
300
400
500
600
700
800
900
1000
1100
-0.0020
-0.0015
-0.0010
-0.0005
0.0000
0.0005
0.0010
0.0015
0.0020
Conductivity Difference, 2 - 1 [S/m]
-0.015
-0.010
-0.005
0.000
0.005
0.010
0.015
0.020
Salinity, Practical, Difference, 2 - 1 [PSU]

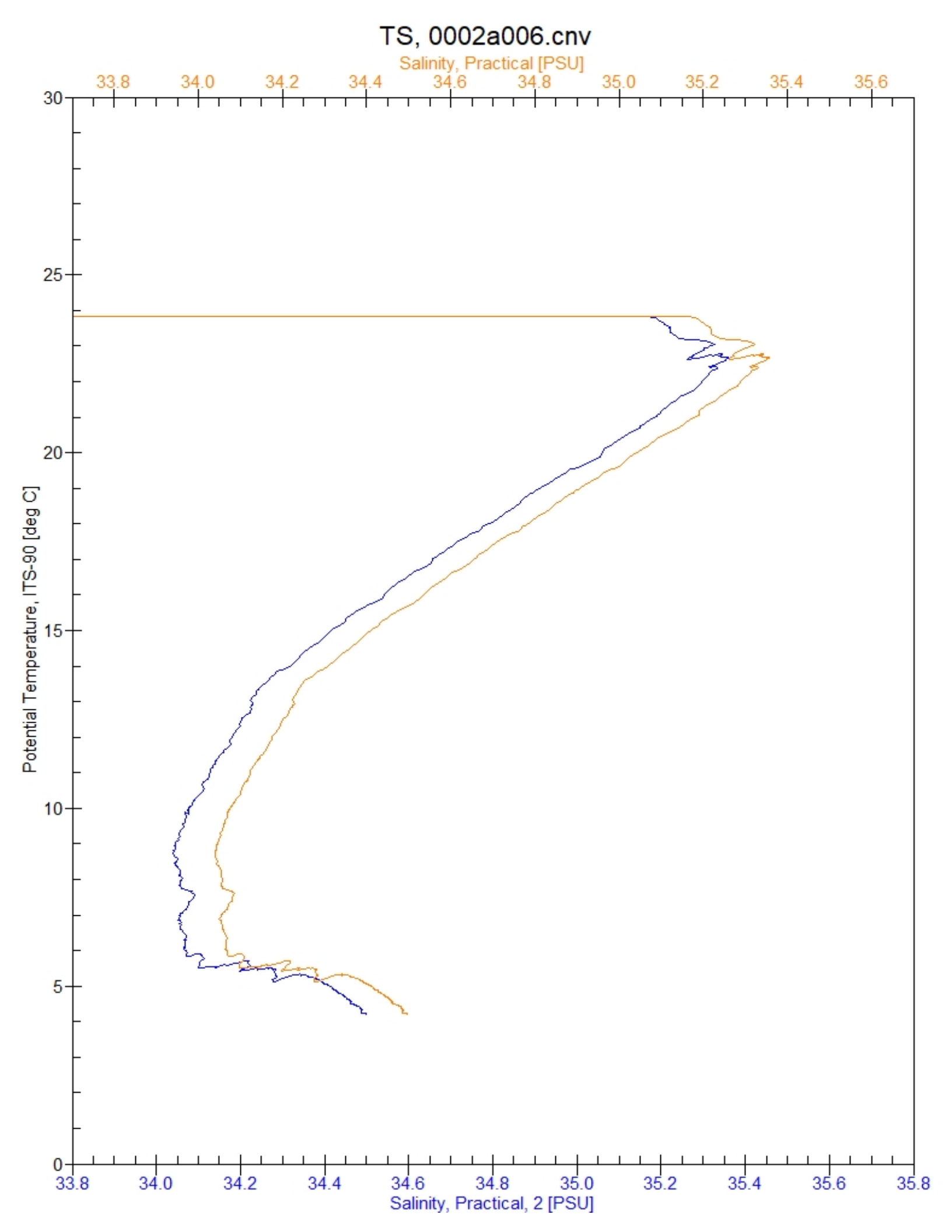

TS, 0002a005.cnv
Salinity, Practical [PSU]
33.8
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
30
25
20
15
10
5
0
Potential Temperature, ITS-90 [deg C]
33.8
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
35.8
Salinity, Practical, 2 [PSU]

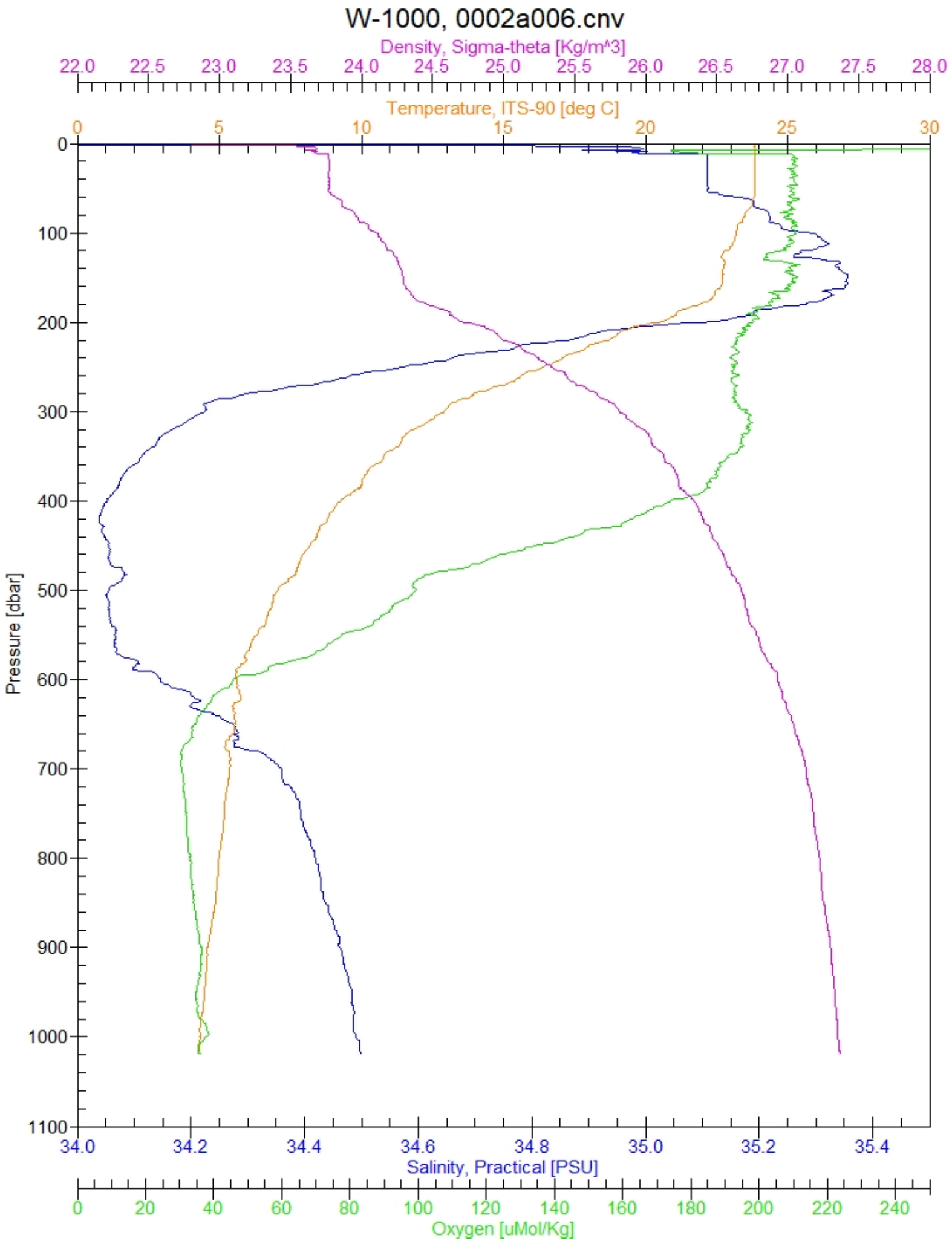

W-1000, 0002a005.cnv
Density, Sigma-theta [Kg/m^3]
22.0 22.5 23.0 23.5 24.0 24.5 25.0 25.5 26.0 26.5 27.0 27.5 28.0
Temperature, ITS-90 [deg C]
0 5 10 15 20 25 30
Pressure [dbar]
0 100 200 300 400 500 600 700 800 900 1000 1100
34.0 34.2 34.4 34.6 34.8 35.0 35.2 35.4
Salinity, Practical [PSU]
0 20 40 60 80 100 120 140 160 180 200 220 240
Oxygen [uMol/Kg]

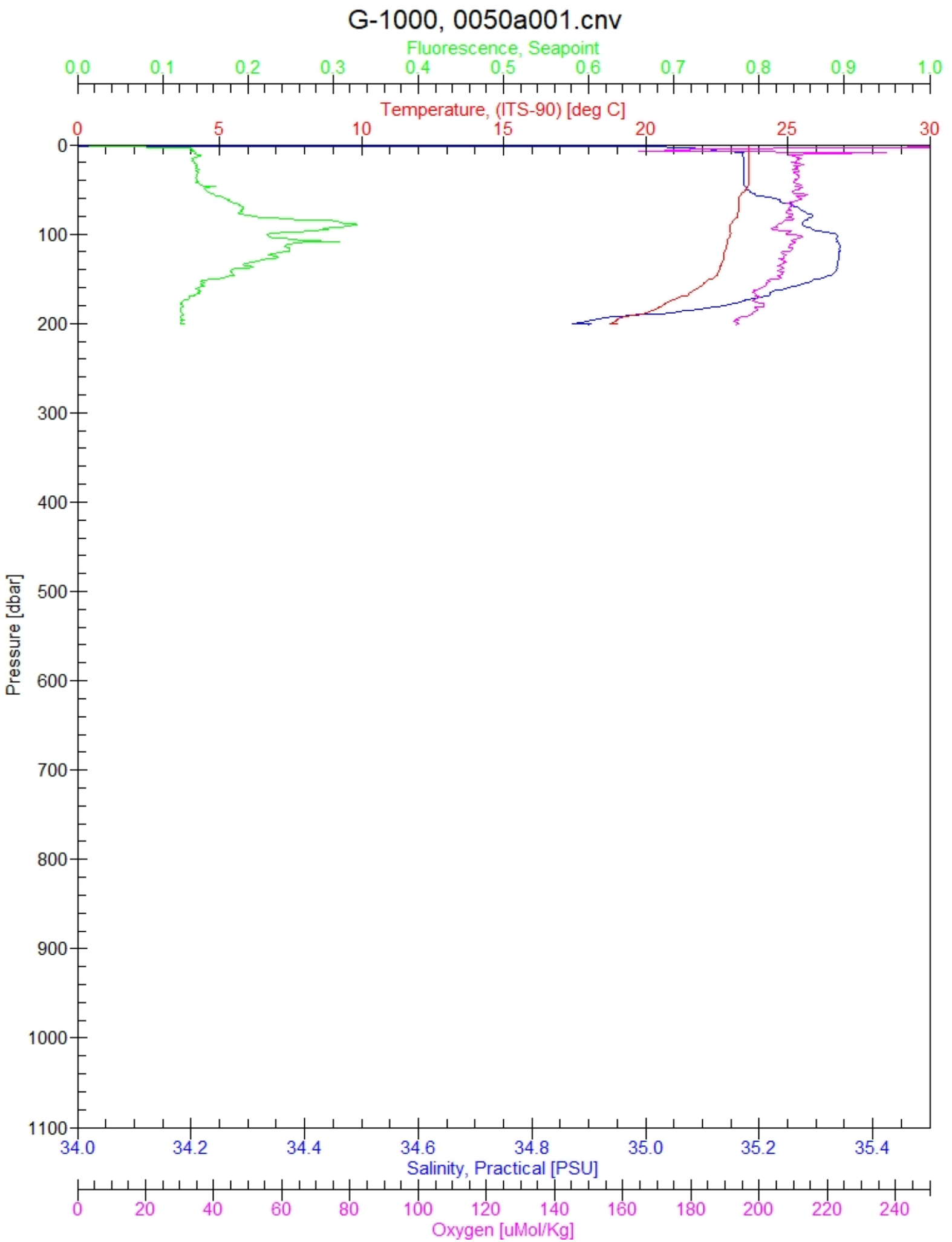

G-1000, 0002a006.cnv
Fluorescence, Seapoint
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
Temperature, (ITS-90) [deg C]
0
5
10
15
20
25
30
Pressure [dbar]
0
100
200
300
400
500
600
700
800
900
1000
1100
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
Salinity, Practical [PSU]
0
20
40
60
80
100
120
140
160
180
200
220
240
Oxygen [uMol/Kg]

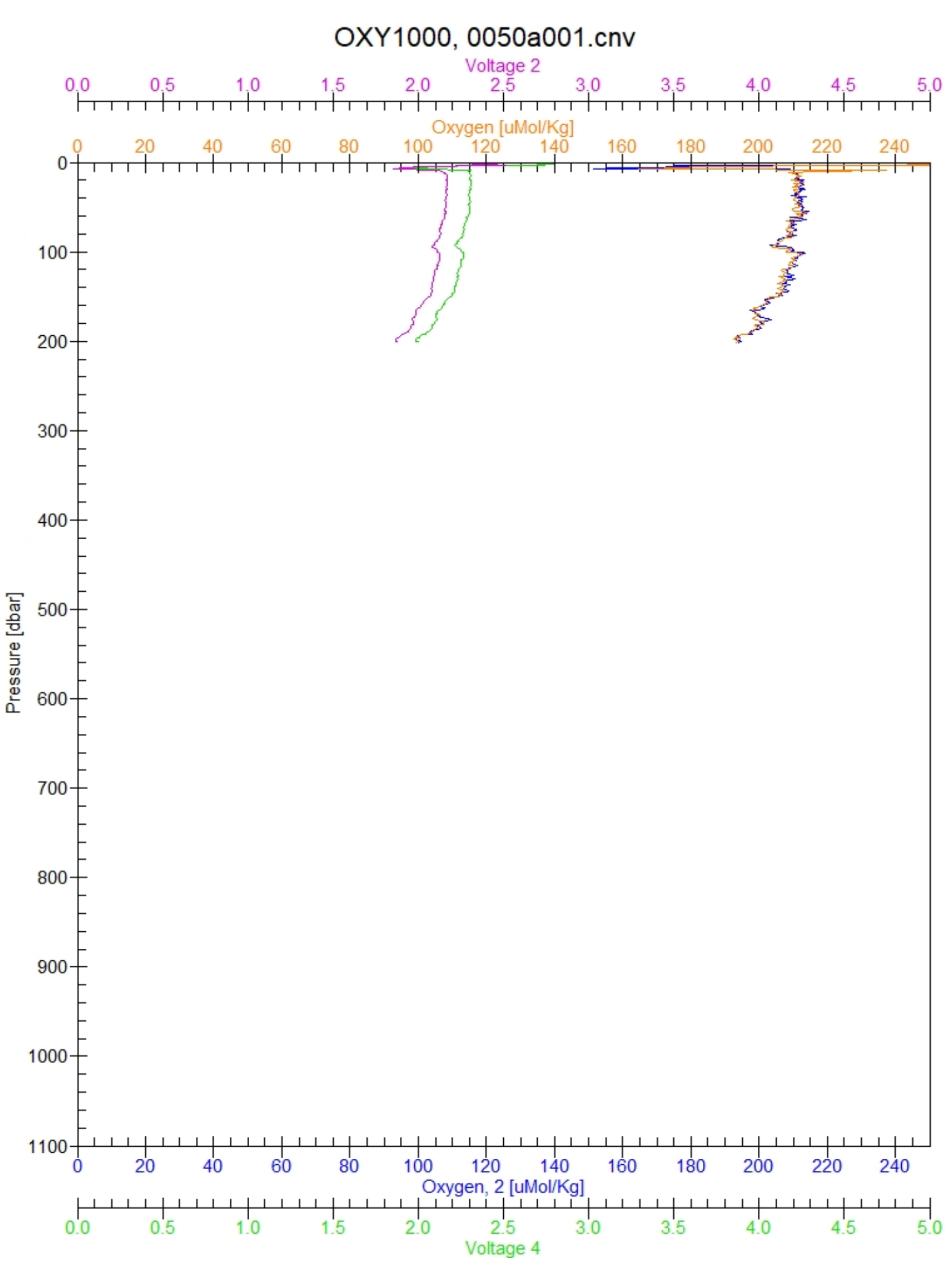

OXY1000, 0002a006.cnv
Voltage 2
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0
Oxygen [uMol/Kg]
0 20 40 60 80 100 120 140 160 180 200 220 240
Pressure [dbar]
0 100 200 300 400 500 600 700 800 900 1000 1100
Oxygen, 2 [uMol/Kg]
0 20 40 60 80 100 120 140 160 180 200 220 240
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0
Voltage 4

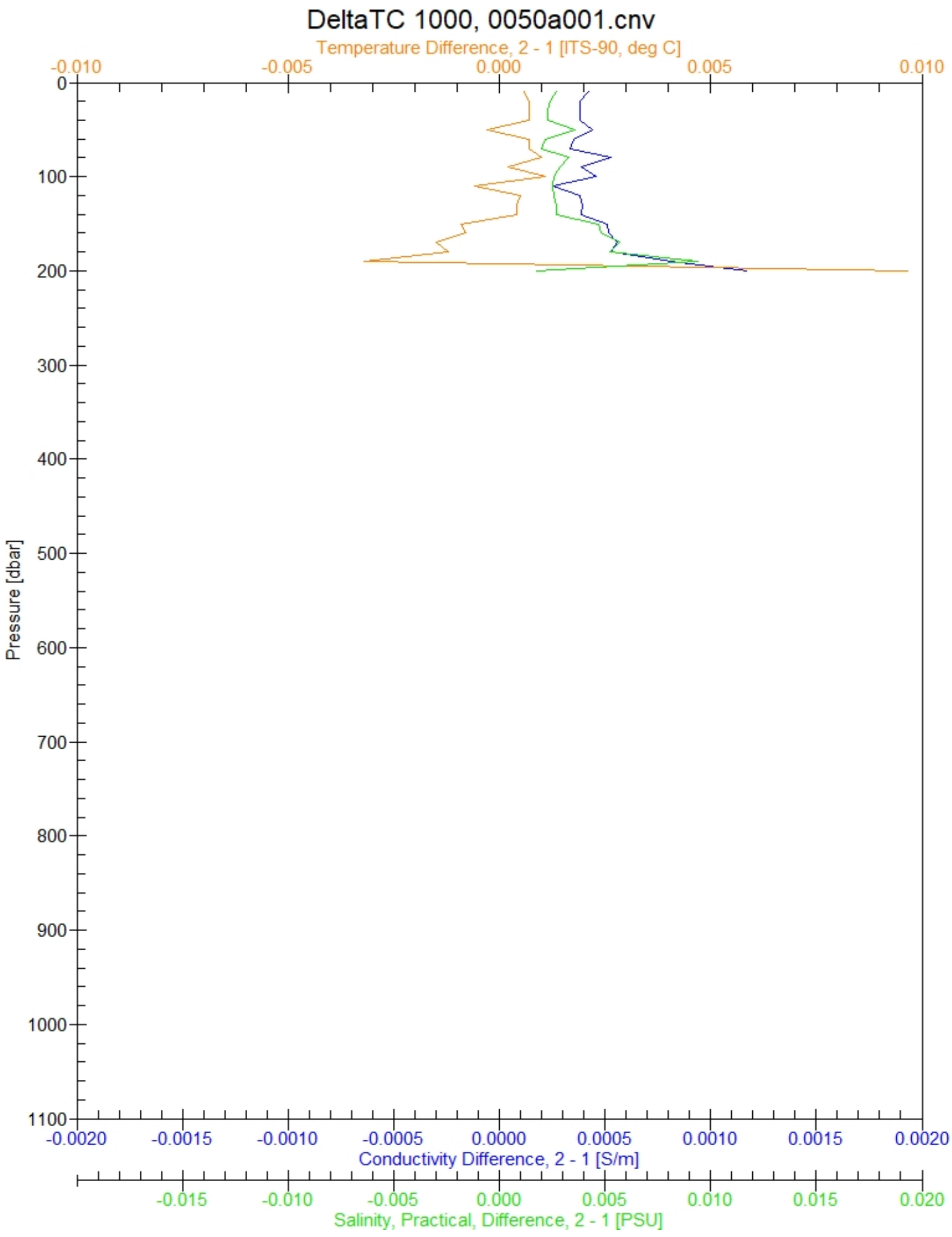

DeltaTC 1000, 0002a006.cnv
Temperature Difference, 2 - 1 [ITS-90, deg C]
-0.010
-0.005
0.000
0.005
0.010
Pressure [dbar]
0
100
200
300
400
500
600
700
800
900
1000
1100
-0.0020
-0.0015
-0.0010
-0.0005
0.0000
0.0005
0.0010
0.0015
0.0020
Conductivity Difference, 2 - 1 [S/m]
-0.015
-0.010
-0.005
0.000
0.005
0.010
0.015
0.020
Salinity, Practical, Difference, 2 - 1 [PSU]

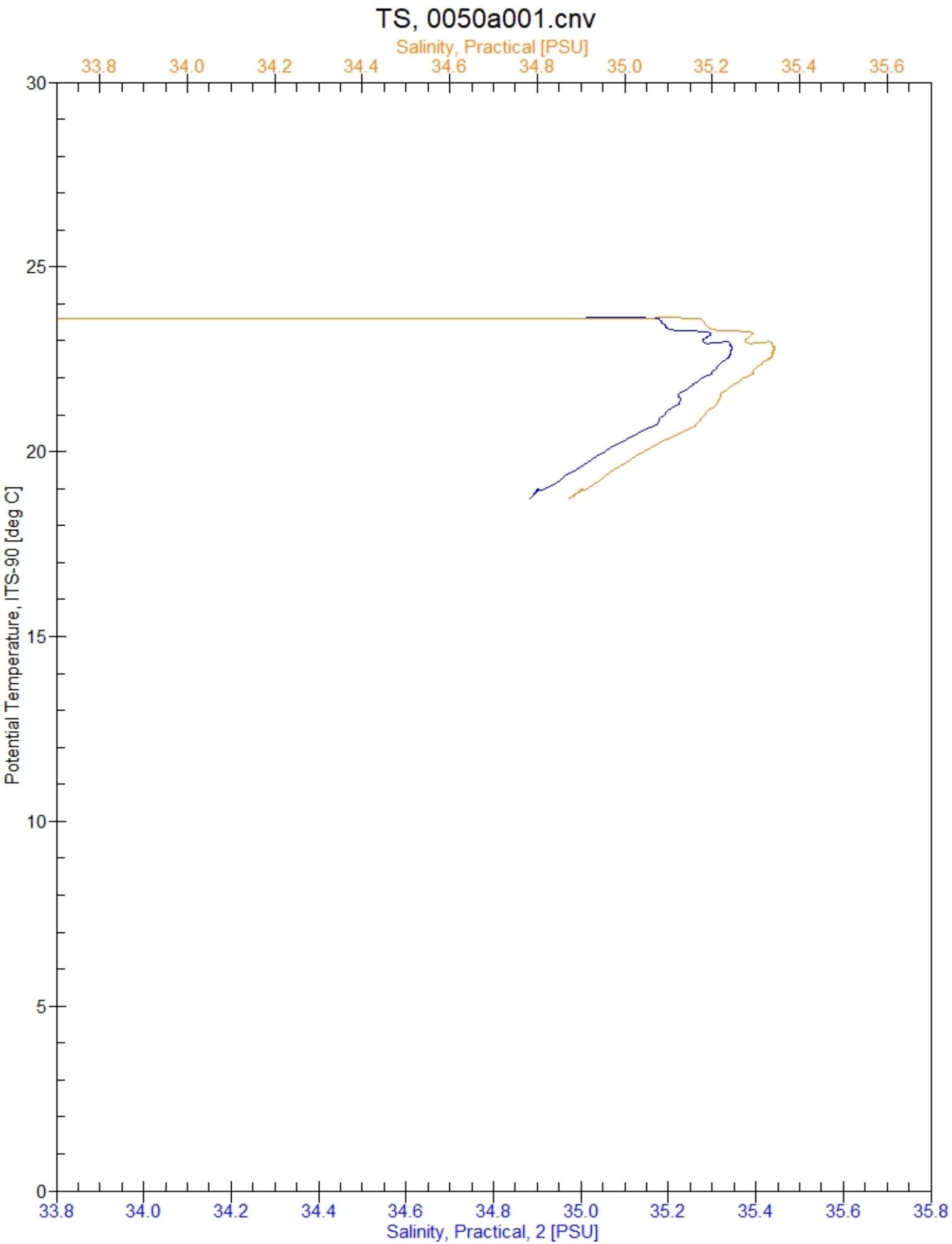

TS, 0002a006.cnv
Salinity, Practical [PSU]
33.8
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
30
25
20
15
10
5
0
Potential Temperature, ITS-90 [deg C]
33.8
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
35.8
Salinity, Practical, 2 [PSU]

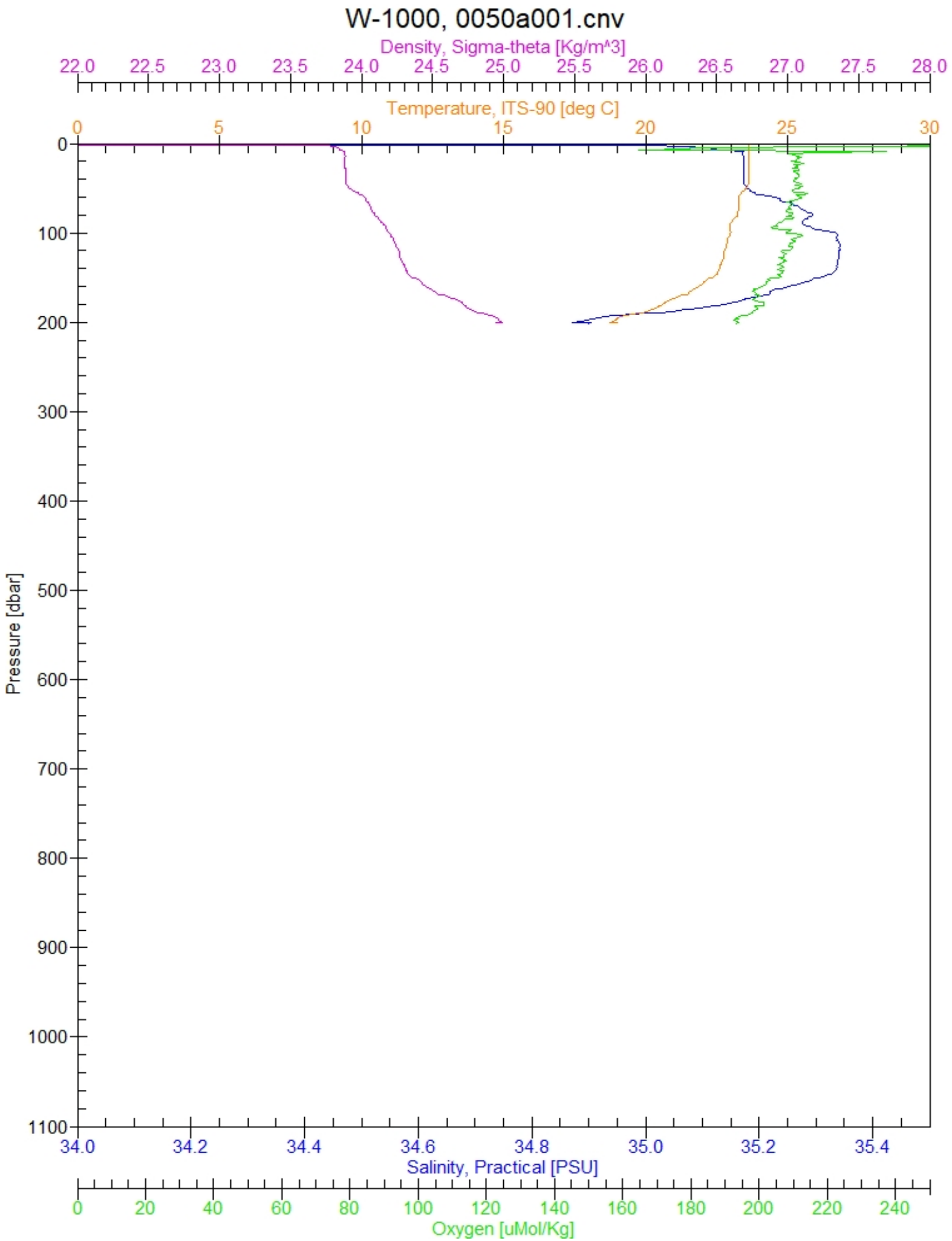

W-1000, 0002a006.cnv
Density, Sigma-theta [Kg/m^3]
22.0 22.5 23.0 23.5 24.0 24.5 25.0 25.5 26.0 26.5 27.0 27.5 28.0
Temperature, ITS-90 [deg C]
0 5 10 15 20 25 30
Pressure [dbar]
0 100 200 300 400 500 600 700 800 900 1000 1100
34.0 34.2 34.4 34.6 34.8 35.0 35.2 35.4
Salinity, Practical [PSU]
0 20 40 60 80 100 120 140 160 180 200 220 240
Oxygen [uMol/Kg]


G-1000, 0050a001.cnv
Fluorescence, Seapoint
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
Temperature, (ITS-90) [deg C]
0
5
10
15
20
25
30
Pressure [dbar]
0
100
200
300
400
500
600
700
800
900
1000
1100
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
Salinity, Practical [PSU]
0
20
40
60
80
100
120
140
160
180
200
220
240
Oxygen [uMol/Kg]


OXY1000, 0050a001.cnv
Voltage 2
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0
Oxygen [uMol/Kg]
0 20 40 60 80 100 120 140 160 180 200 220 240
Pressure [dbar]
0 100 200 300 400 500 600 700 800 900 1000 1100
0 20 40 60 80 100 120 140 160 180 200 220 240
Oxygen, 2 [uMol/Kg]
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0
Voltage 4


DeltaTC 1000, 0050a001.cnv
Temperature Difference, 2 - 1 [ITS-90, deg C]
-0.010
-0.005
0.000
0.005
0.010
0
100
200
300
400
500
600
700
800
900
1000
1100
Pressure [dbar]
-0.0020
-0.0015
-0.0010
-0.0005
0.0000
0.0005
0.0010
0.0015
0.0020
Conductivity Difference, 2 - 1 [S/m]
-0.015
-0.010
-0.005
0.000
0.005
0.010
0.015
0.020
Salinity, Practical, Difference, 2 - 1 [PSU]


TS, 0050a001.cnv
Salinity, Practical [PSU]
33.8
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
30
25
20
15
10
5
0
Potential Temperature, ITS-90 [deg C]
33.8
34.0
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
35.8
Salinity, Practical, 2 [PSU]


W-1000, 0050a001.cnv
Density, Sigma-theta [Kg/m^3]
22.0 22.5 23.0 23.5 24.0 24.5 25.0 25.5 26.0 26.5 27.0 27.5 28.0
Temperature, ITS-90 [deg C]
0 5 10 15 20 25 30
Pressure [dbar]
0 100 200 300 400 500 600 700 800 900 1000 1100
34.0 34.2 34.4 34.6 34.8 35.0 35.2 35.4
Salinity, Practical [PSU]
0 20 40 60 80 100 120 140 160 180 200 220 240
Oxygen [uMol/Kg]

HOT-363

CTD CONFIGURATION

CTD: 41361
DECK UNIT 112060
PRESSURE: 75434
CAROUSEL: 0223

T_1 4448	T_2 5519
C_1: 6092	C_2: 6056
O_1: 4232	O_2 43918
$PUMP_1$: 11395	$PUMP_2$: 11398

FLUOROMETER 3602
ALTIMETER: 31995Z
BUCKET TEMP: 3638
TRANSMISSOMETER: 2907
PAR: 2089

CRUISE PARTICIPANTS

JASON BAER - POST DOC (UH)
SOPHIA DEMARCO - UNDERGRAD (UH)
ZOE ECKARDT - " (UH)
SAGE MELTON - " "
ERICA SARTES - " "
K. BJORKMAN
B. BRENES
M. DOWD
P. DILLEN
D. FITZGERALD
C. FUNKEY
J. HARRIS (OTG)
S NUNNERY (OTG)
A. HIRZEL
D. HOGATE
F. CARVALHO PACHECO
F. SANTIAGO-MANDUJANO
D. SADLER
B. WATKINS

20260327 - LOADING

FLUOROMETER (V0)
CLOSE: 4.8255
OPEN 0.25153

20260330 → PAR (V7):
CLOSE 0.13431
OPEN: 3.72650

TRANSMISSOMETER (V1)
CLOSE 0.00855
OPEN. 4.78632

UTC
:51 DEPA
:002 SAFE
:033 FIRE
:206 ARRIV
:26 STA
21
2250 END
2
2300 STA
2
2339 END
21
0000 STA
21
0059 END
21
0105 TR
0945 A

UTC HOT-363 2026-03-29

1851 DEPART FROM PIER 35

2002 SAFETY BRIEFING

2033 FIRE AND ABANDON SHIP DRILLS

2206 ARRIVED @ STATION KAHE

2226 START WEIGHT CAST
21°20.636'N 158°16.418'W
TENSION in A.r. 850lbs → to 4200lbs locked in air
TENSION in water 1021 lbs (250m)

2250 END WEIGHT CAST
21°20.631'N 158°16.420'W

2300 START HYPERPRO
21°20.635'N 158°16.424'W

2339 END HYPERPRO
21°20.633'N 158°16.419'W

0000 START SICI, KAHE CAST 03-30-26
21°20.636'N 158°16.426'W
*GPS NOT WORKING (STARTED W/ GOES.CW)
-MOD GLIDERS ON BOARD (2) during CAST (2300 dbar)

0059 END SICI, 20 MARKS OK
21°20.6360'N 158° 16.4520'W

0105 TRANSIT TO ALOHA

0945 Arrived to ALOHA, 2nm west of center

JD 089, 1400 Z

UPDATED
GPS/KAENA.CON → NMEA CONNECTED TO PC
✓ GOFS_GPS.CON → "

→ GPS NMEA NOT GOOD THROUGH CTD DECK UNIT.
- ON ACQ-PC, REMAPPED COMM 7 FOR GPS INPUT (9600 BAUD)
A ON PROC-PC, REMAPPE PORT 5 for REMOTE DECIBAR DISPLAY.

ACQ
▷ UPDATE SOURCE PSA FILES
CONFIG / SEASAVE / G1000 GPS.PSA ✓
G200 GPS ✓
G2500 GPS ✓
G5000 GPS ✓

PROC
G1000.PS ✓
G5000 PS ✓
G-200-YO ✓
KAENA ✓

PRESSURE-TO SBE-41
SERIAL DATA OUT = OFF

2026.03-30 UNDERWAY DATA
- MISSING DATA FROM N06:25AM TO N 17:00 (202603-3C

:29 BEGI
:17 CROSS
:54 END
:15 BEGIN
H25 END
1519 STAE
2
1624 ST
1820 END
1825 TE
1938 ST
1954 BOT
2000 UP
2005 BOT 2
2009 UP 2
2013 BOT
2019 UP
2022 BOT

HOT-363 March 30, 2026

1029 BEGIN SED TRAP DEPLOYMENT — Wind: 21 kts, 29°
22° 44.9295'N 158° 02.0764'W — Current: 0.3 kts, 193°

1047 CROSSES IN WATER
22° 44.9239'N 158° 02.0645'W

1059 END SED TRAP DEPLOYMENT
22° 44.9218'N 158° 02.0563'W

1125 BEGIN VPR #1 — Wind: 16 kts, 34°
22° 45.2763'N 158° 01.8311'W — Current: 0.1 kts, 198°
RAIN ON STATION

1425 END VPR #1
22° 49.050'N 158° 0.350'W

1519 START VPR #2
22° 45.029'N 157° 59.120'W

1624 SHIP ISSUES TO KEEP HEADING AND SPEED

1820 END VPR #2
22° 48.659'N 157° 57.716'W

1825 TRANSIT TO PUMP TANKS

1938 START SSOCI, WHOTS
22° 43.744'N 157° 54.508'W

1954	BOT 1	200 dbar	22° 43.743'N	157° 54.509'W
2000	UP 1	2.4 dbar	22° 43.7434'N	157° 57.509'W
2005	BOT 2	200 dbar	22° 43.741'N	157° 54.509'W
2009	UP 2	3.2 dbar	22° 43.743'N	157° 54.509'W
2013	BOT 3	200 dbar	22° 43.744'N	157° 54.504'W
2019	UP 3	3.3 dbar	22° 43.746'N	157° 54.505'W
2022	BOT 4	200 dbar	22° 43.744'N	157° 54.505'W
2028	UP 4	2.9 dbar	22° 43.745'N	157° 54.504'W

2031 BOTTOM UP

2051 END
22

2100 TRANSI

2255 START
22°4

2340 END
22°46

2352 START
22°4

0242 END
22°4

0400 PUMP

0800 Prok
have
drill
to

1010 Arri

1049 START S
22°

HOT-363 - 20260330

2031 BOTTOM 5 200 dbar 22°43.747'N 157°54.503'W
UP 5 5 dbar 22°43.741'N 157°54.505'W

2051 END SSOCI, 17 MARKS
22°43.746'N 157°54.504'W

2100 TRANSIT TO PUMP TANKS (OIL)

2255 START HYPERPRO
22°41.035'N 158°01.969'W

2340 END HYPERPRO
22°40.971'N 158°02.007'W

2352 START VPR #3
22°40.854'N 158°02.058'W

March 31, 2026

0242 END VPR (EARLY) #3
22°45.0058'N 158°00.9842'W

0400 PUMP TANKS

0800 Problems with bow thruster, will have to do CTD casts without DP, will not deploy DP array nor net tows.

1010 Arrived at ALOHA center

1049 START S2C1, PO-2, 6000-GPS
22° 44.8945'N 157° 59.7675'W

TC

END S
22

START
22°44

1556 END
22°44

1745 RAIN

1830 START
22°45

1940 END
22°4

START
22°

2301 END
22°45

TRANSI

BEGIN S2
22° 44.(

0327 END S2(
22°45.0

START S
22° 41.

UTC HOT 363 2026-03-31

1209 END S2C1, 24 MARKS OK
22° 45.581'N 157° 57.961'W

1418 START S2C2, G1000GPS, BEACH
22° 44.603'N 158° 02.249'W

1556 END S2C2, 23 MARKS
22° 44.924'N 157° 59.352'W

1745 RAIN ON STATION

1830 START S2C3, PCPN, G1000GPS
22° 45.217'N 158° 01.080'W

1940 END S2C3, 23 MARKS
22° 45.798'N 157° 59.107'W

2159 START S2C4 PPON G1000GPS
22° 44° 9.66'N 158° 03.279

2301 END S2C4 18 MARKS
22° 45.320'N 158° 0.954'W

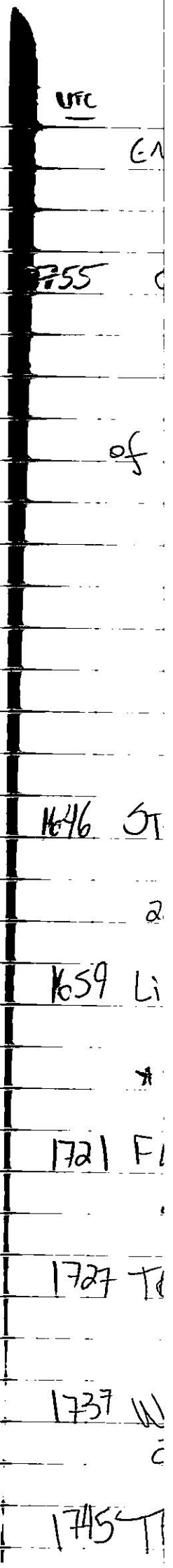
2320 TRANSIT TO PUMP TANKS

APRIL 1, 2026

0200 BEGIN S2C5, ATP, G1000 GPS
22° 44.652'N 158° 5.260

0327 END S2C5, 13 MARKS OK
22° 45.967'N 158° 2.363'W

0558 START S2C6, HPLC, G1000GPS
22° 41.316'N 158° 2.034'W


UFC
1755
of
1646 St
1659 Li
1721 Fl
1727 Th
1737 W
1745 Th

UTC

HOT 363 2026-04-01

END S2C6, 17 MARKS OK
22° 42.116'N 158° 0.248'W

0755 CTD operations will be cancelled due to problems with the CTD wire apparently jumping the sheave in the Hawboldt crane. Marks on the side of the sheave indicate that the cable jumped the sheave and went back in place during the last CTD cast due to the large wire angle.
The wire out during the cast was more than 200 m higher than the CTD pressure

1646 START SED TRAPS RECOVERY (RAIN ON DECK)
~8.5 NM SW FROM CENTER
22° 40.451'N 158° 07.994'W
WIND SPD: 18-20KTS
" DIR: 80°/E
ADCP: 0.1-0.3: TOWARDS EAST

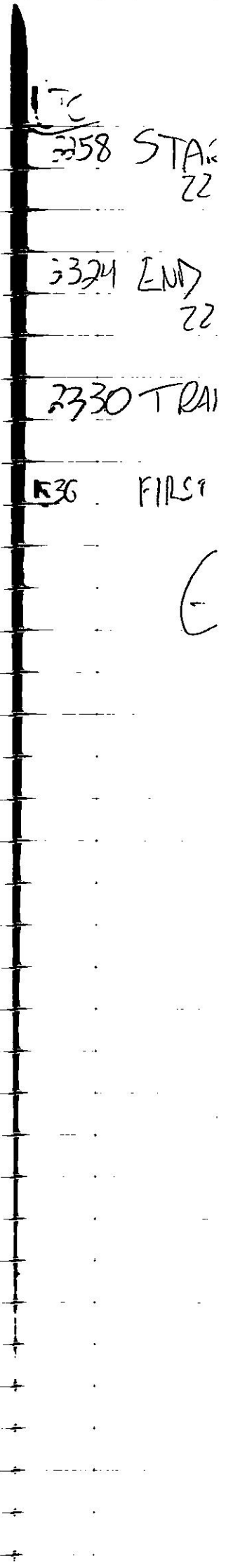
1659 LINE HOOKED
22° 40.500'N 158° 07.926'W
*ISSUES WITH PROPULSION.

1721 FLOAT + BUOYS ON DECK
22° 40.400'N 158° 07.936'W

1727 TRAPS ON DECK
22° 40.445'N 158° 07.937'W

1737 WEIGHT ON DECK
22° 40.496'N 158° 07.931'W

1745 TRANSIT TO WHOTS


3258 STA
22
3324 END
22
3330 TRA
R36 FIRS

UTC HOT-363 2026-04-01

2258 START HYPERPRO
22° 43.084 N 158° 02.334 W

2324 END HYPERPRO
22° 43.220 N 158° 01.793 W

2330 TRANSIT TO SEABUOY

APRIL 2, 2026

1836 FIRST LINE THROWN @ PIER 35

END HOT-363

HOT-363

Hawaii Ocean Time-Series CONSOLE LOG

Cast type	Bottle type	SST	Operator
stdcc	10	24.59	[illegible]

- ☐ Pinger
- ☑ Altimeter
- ☐ Transmissometer
- ☐ BEACH Sea Tech Fluorometer
- ☐ OTG Seapoint Fluorometer
- ☐ ISUS
- ☐ PO Fluorometer
- ☐

Station: 1	Cast: 1
Latitude start: 21° 20.0[illegible]N end: 21° 20.6360'N	Longitude start: [illegible] end: 158° 16.4520'W
Depth of water: 1667 meters	Date (GMT): 03/30/[illegible]
Pressure on Deck	Time:
Begin: -0.40 End: -0.72	Start Log: 0000 In Water: 0001
Max cast pressure: 1020 dbar	Out of Water: 0057

Trip/ Niskin	Time stopped	Confirm tripped	Pressure	Target Depth	Comments
1	00:32:30	00:33:[illegible]	1020	1020	
2	00:25:[illegible]	[illegible]	[illegible]	[illegible]	
3	[illegible]	00:33:59	[illegible]	[illegible]	
4	[illegible]	[illegible]	[illegible]	[illegible]	
5	[illegible]	[illegible]	[illegible]	[illegible]	
6	00:[illegible]:50	00:42:[illegible]	[illegible]		
7	00:41:[illegible]	00:[illegible]:21	151	150	
8	00:46:31	00:47:[illegible]	125	[illegible]	
9	00:48:10	00:48:41	1[illegible]	[illegible]	
10	00:49:[illegible]	00:50:25	76	[illegible]	
11	00:51:35	00:52:0[illegible]	47	45	
12	00:53:10	00:53:40	25	25	
13	"	00:53:52	25	25	
14	00:55:00	00:55:31	6	[illegible]	
15	"	00:55:41	6	[illegible]	
16	"	00:55:53	6	[illegible]	
17	"	00:56:04	6	[illegible]	
18	"	00:56:15	6	[illegible]	
19	"	00:56:26	6	[illegible]	
20	"	00:56:38	6	5	
21					
22					
23					
24					

Hawaii Ocean Time Series			Station #:	Cast #:	Box #:
Salinity Sample Log Sheet			Cruise #: HOT-	Sampler:	
Niskin #	Depth	Serial #	Comments		
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

HOT-

Hawaii Ocean Time-Series CONSOLE LOG

Cast type	Bottle type	SST	Operator
G200-1/20	10L	25.51	FP

- ☐ Pinger
- ☐ Altimeter
- ☐ Transmissometer
- ☐ BEACH Sea Tech Fluorometer
- ☐ OTG Seapoint Fluorometer
- ☐ ISUS
- ☐ PO Fluorometer
- ☐

DCM = 89dbar & 107dbar
MLD = ~ 50dbar

Station: 50	Cast: 1
Latitude start: 22°43.744 end: 22°43.746	Longitude start: 157°51.508'W end: 157°51.504'W
Depth of water: 4721 meters	Date (GMT): 03/30/26
Pressure on Deck	Time:
Begin: -0.38	Start Log: 1938
End: -0.40	In Water: 1946
Max cast pressure: 200 dbar	Out of Water: 2051

Trip/ Niskin	Time stopped	Confirm tripped	Pressure	Target Depth	Comments
1	203155	203225	199	200	
2	"	+10	"	200	
3	2033:48	2034:18	149	150	
4	"	+10	"	150	
5	20:36:25	20:36:55	125	"	
6	"	+10	"	"	
7	20:38:32	20:39:02	100	100	
8	"	+10	"	100	
9	20:41:26	20:41:56	75	75	
10	"	+10	"	75	
11	20:43:35	20:44:05	45	45	
12	"	+10	"	45	
13	20:46:33	20:47:03	25	25	
14	"	+10	"	25	
15	20:49:21	20:49:51	5	5	
16	"	"	5	5	
17	"	"	5	5	
18					
19					
20					
21					
22					
23					
24					

HOT- 363

Hawaii Ocean Time-Series CONSOLE LOG

PO-2

Cast type	Bottle type	SST	Operator
Gloss GPS	12L	23.40	MD

- ☐ Pinger
- ☒ Altimeter
- ☐ Transmissometer
- ☐ BEACH Sea Tech Fluorometer
- ☐ OTG Seapoint Fluorometer
- ☐ ISUS
- ☒ PO Fluorometer
- ☐

Station: 2	Cast: 1
Latitude start: 22° 44.8945'N end: 22°45.581'N	Longitude start: 157° 59.7675'W end: 157° 57.961'W
Depth of water: 4741 meters	Date (GMT): 3 / 31 / 26
Pressure on Deck	Time:
Begin: -0.38	Start Log: 1049
End: -0.6	In Water: 1057
Max cast pressure: 1020 dbar	Out of Water: 1209

Trip/ Niskin	Time stopped	Confirm tripped	Pressure	Target Depth	Comments
1	11:19:00	11:20:05	1004	1020	
2	11:21:13	11:21:44	976	981	
3	11:22:54	11:23:25	941	944	
4	11:24:40	11:25:11	902	907	
5	11:26:14	11:26:45	866	876	
6	11:27:58	11:28:28	831	833	
7	11:29:38	11:30:09	791	794	
8	11:31:18	11:31:49	755	756	
9	11:32:54	11:33:25	720	720	
10	11:34:47	11:35:19	682	683	
11	11:37:13	11:37:44	613	613	
12	11:39:17	11:39:48	571	567	
13	11:42:29	11:43:07	526	525	
14	11:44:16	11:44:48	494	493	
15	11:46:31	11:47:02	436	435	
16	11:49:11	11:49:42	374	370	
17	11:51:16	11:51:47	340	339	
18	11:53:31	11:54:22	318	304	
19	11:56:40	11:57:11	270	276	
20	11:59:04	11:59:39	204	202	
21	12:01:07	12:01:52	154	160	
22	12:03:27	12:04:01	107	107	
23	12:05:31	12:06:01	54	54	
24	12:08:31	12:09:02	4	5	

Hawaii Ocean Time Series			Station #: 2	Cast #: 1	Box #: 2-3
Salinity Sample Log Sheet			Cruise #: HOT-363	Sampler:	
Niskin #	Depth	Serial #	Comments		
1	1020	37			
2	981	38			
3	944	39			
4	907	40			
5	870	41			
6	833	42			
7	794	43			
8	756	44			
9	720	45			
10	683	46			
11	643	47			
12	567	48			
13	525	49			
14	493	50			
15	435	51			
16	370	52			
17	339	53			
18	304	54			
19	270	55			
20	202	56			
21	160	57			
22	107	58			
23	54	59			
24	5	60			

Hawaii Ocean Time-Series

HOT - 363

Station:	2	Cast:	1
Latitude:	22°44.8945'N	Longitude:	157° 59.7675 'W
Date:	3131/26	Time (GMT):	10:49
Operator:	MD		

δ_θ	σ_θ	Depth
700	20.76	
650	21.28	
600	21.80	
550	22.33	
500	22.85	
450	23.37	
400	23.90	54
350	24.42	160
300	24.95	202
250	25.47	270
200	26.00	339
180	26.21	370
160	26.42	435
140	26.63	493
130	26.73	525
120	26.84	567
110	26.94	613
100	27.05	683
90	27.16	756
80	27.26	833
70	27.37	981

S_{max}	135
S_{min}	
S_{max}	
S_{min}	

O_{max}	106
O_{min}	
O_{max}	
O_{min}	
O_{max}	

F_{max}	1141
F_{min}	
F_{max}	
F_{min}	
F_{max}	

Bottle	Depth
1	1020
2	981
3	944
4	907
5	870
6	833
7	794
8	756
9	720
10	683
11	613
12	567
13	525
14	493
15	435
16	370
17	339
18	304
19	276
20	202
21	160
22	107
23	54
24	5

HOT-363

Hawaii Ocean Time-Series CONSOLE LOG

BEACH

Cast type	Bottle type	SST	Operator
G1000GPS	12L	23.78	FP

- ☐ Pinger
- ☒ Altimeter
- ☒ Transmissometer
- ☐ BEACH Sea Tech Fluorometer
- ☐ OTG Seapoint Fluorometer
- ☐ ISUS
- ☒ PO Fluorometer
- ☐

DCM = 130dbar

Station: 2	Cast: 2
Latitude start: 22 41603 N end: 22 44 924 N	Longitude start: 158° 02.249 W end: 157 59 350 W
Depth of water: 4752 meters	Date (GMT): 03131 126
Pressure on Deck	Time:
Begin: -0.42 End: -0.20	Start Log: 1418 In Water: 1431
Max cast pressure: 1022 dbar	Out of Water: 1556

Trip/ Niskin	Time stopped	Confirm tripped	Pressure	Target Depth	Comments
1	14 55:36	14:56:06	1022	1020	
2	15 02 10	15:02 40	756	762	02 min
3	1509.21	15:09:51	435	435	Sal min
4	15:16:48	15:17:18	200	200	
5	15:18:40	15:1910	175	175	
6	15:20:30	15:21:00	163	165	
7	15:22:15	15:22:45	150	150	
8	15:24:32	15:25.02	130	130	
9	15:26.40	15:27.10	125	125	
10	15:28:40	15:29.10	115	115	
11	15:29:48	15:30 18	109	110	
12	15:31:20	15:31:50	100	100	
13	15 33:00	15 36:00	92	90	
14	15:40.02	15:40:30	82	85	
15	15:41:32	15:42:02	75	75	
16	15:42 49	15:43:19	60	60	
17	15:44:32	15:45:00	51	45	
18	15:45:55	15:46:25	32	35	
19	15:47 43	15:48:13	26	25	]
20	11	+10	27	25	]
21	15:49:20	15:49:50	15	15	
22	15:50:30	15:51.01	5	5	]
23	11	+10	5	5	]
24					

Hawaii Ocean Time Series			Station #: 2	Cast #: 2	Box #: 3/4
Salinity Sample Log Sheet			Cruise #: HOT-363		Sampler: FP/DF
Niskin #	Depth	Serial #	Comments		
1	1020	61			
2	762	62	02 MIN		
3	435	63	SAL MIN		
4	200	64			
5	175	65			
6	165	66			
7	150	67			
8	130	68			
9	125	69			
10	115	70			
11	110	71			
12	100	72			
13	90	73	BOX 4		
14	85	74			
15	75	75			
16	60	76			
17	45	77			
18	35	78			
19	25]	79			
20	25]	80			
21	15	81			
22	5]	82			
23	5]	83			
24					

HOT-363

PCAN

Hawaii Ocean Time-Series CONSOLE LOG

Cast type	Bottle type	SST	Operator
G1000x?	12L	2359	FD

- ☐ Pinger
- ☒ Altimeter
- ☒ Transmissometer
- ☐ BEACH Sea Tech Fluorometer
- ☐ OTG Seapoint Fluorometer
- ☐ ISUS
- ☒ PO Fluorometer
- ☐

Station: 2	Cast: 3
Latitude start: 22°45.217'N end: 22°45.798'N	Longitude start: 158°01.080'W end: 157°59.103'W
Depth of water: 4746 meters	Date (GMT): 03/31/26
Pressure on Deck	Time:
Begin: -0.39 End: -0.57	Start Log: 1830 In Water: 1836
Max cast pressure: 1017 dbar	Out of Water: 1940

Trip/ Niskin	Time stopped	Confirm tripped	Pressure	Target Depth	Comments
1	19:00:10	19:00:40	1017	1020	
2	19:10:27	19:10:57	502	500	SAL M.N (+ SLIGHT HIGH) SAL AND 1 OZ
3	19:17:22	19:17:52	355	350	
4	"	+10	355	350	
5	19:20:21	19:20:51	250	250	
6	19:22:04	19:22:34	203	200	
7	19:24:30	19:25:00	174	175	
8	19:26:03	19:26:33	150	150	
9	19:28:47	19:29:17	126	125	
10	19:30:18	19:30:48	98	100	
11	"	+10	99	100	
12	"	+10	100	100	
13	19:32:02	19:32:32	73	75	
14	"	+10	"	75	
15	"	+10	"	75	
16	19:33:49	19:34:29	44	45	
17	"	+10	45	45	
18	"	+10	44	45	
19	19:35:50	19:36:20	25	25	
20	"	+10	26	25	
21	"	+10	26	25	
22	19:38:58	19:39:29	5	5	
23					
24					

Hawaii Ocean Time Series			Station #: 2	Cast #: 3	Box #: 4/5
Salinity Sample Log Sheet			Cruise #: HOT-363	Sampler: FP/DE	
Niskin #	Depth	Serial #	Comments		
1	1020	84			
2	300	85	SALM.1		
3	350	86			
4	350	87			
5	250	88			
6	200	89			
7	175	90			
~~8~~	~~150~~	~~91~~	EMPTY		
9	125	92			
10	100	93			
11					
12					
13	75	94			
14					
15					
16	45	95			
17					
18					
19	25	96			
20					
21					
22	5	~~97~~	~~BOTTLE~~ EMPTY		
23					
24					

HOT-363

PPOY

Hawaii Ocean Time-Series CONSOLE LOG

Cast type	Bottle type	SST	Operator
G1000611	12L	23.72	FP

- ☐ Pinger
- ☑ Altimeter
- ☐ Transmissometer
- ☐ BEACH Sea Tech Fluorometer
- ☐ OTG Seapoint Fluorometer
- ☐ ISUS
- ☑ PO Fluorometer
- ☐

DCM = 94 dbar

Station: 2	Cast: 4
Latitude start: 22 44.996'N end: 22°45.320'N	Longitude start: 158°03.279 end: 158°01.954'W
Depth of water: 4756 meters	Date (GMT): 03131126
Pressure on Deck	Time:
Begin: -0.3	Start Log: 2159
End: -0.64	In Water: 2205
Max cast pressure: 1020 dbar	Out of Water: 2301

Trip/ Niskin	Time stopped	Confirm tripped	Pressure	Target Depth	Comments
1	22 26 33	22 27 03	1020	1000	
2	22:37:56	22:38:26	410	410	SAL MIN
3	22:40:03	22:40:33	355	350	
4	"	+10	355	350	
5	22:44:00	22:44:30	250	250	
6	22:46:30	22:47:00	210	200	
7	22:49:05	22:49:35	175	175	
8	22:50:14	22:50:54	150	150	
9	22:51:44	22:52:14	125	125	
10	22:53:10	22:53:40	97	100	
11	22:54:45	22:55:15	75	75	
12	22:56:00	22:56:30	45	45	
13	22:57:26	22:57:56	25	25	
14	"	+10	"	25	
15	22:59:47	23:00:17	5	5	
16	"	"	5	5	
17	"	"	5	5	
18	"	"	5	5	
19					
20					
21					
22					
23					
24					

Hawaii Ocean Time Series			Station #: 2	Cast #: 4	Box #: 5
Salinity Sample Log Sheet			Cruise #: HOT- 363		Sampler: FP/DF
Niskin #	Depth	Serial #	Comments		
1	1020	97			
2	410	98	SAL M.N		
3	350	99			
4	350	100			
5	250	101			
6	200	102	EMPTY NISKIN		
7	175	103	EMPTY NISKIN		
8	150	104			
9	125	105			
10	100	106			
11	75	107			
12	45	108			
13	25	109			
14	—	—			
15	5	110			
16					
17					
18					
19					
20					
21					
22					
23					
24					

HOT- 363

Hawaii Ocean Time-Series CONSOLE LOG

ATP

Cast type	Bottle type	SST	Operator
6000GPS	12 L	23.51	MD

- ☐ Pinger
- ☐ Altimeter
- ☐ Transmissometer
- ☐ BEACH Sea Tech Fluorometer
- ☐ OTG Seapoint Fluorometer
- ☐ ISUS
- ☑ PO Fluorometer
- ☐

PRESSURE VS WIRE OUT
~200 m

Station: 2	Cast: 5
Latitude start: 22°41.652'N end: 22° 41.5967'N	Longitude start: 158° 5.260'W end: 158° 2.363'W
Depth of water: 4764 meters	Date (GMT): 4 / 1 / 25
Pressure on Deck	Time:
Begin: -0.27 End: -0.51	Start Log: 0200 In Water: 0211
Max cast pressure: 1020 dbar	Out of Water: 0327

Trip/ Niskin	Time stopped	Confirm tripped	Pressure	Target Depth	Comments
1	02:44:36	02:45:01	1014	1000	
2	02:59:11	02:59:42	434	430	5m.n
3	03:03:04	03:03:44	357	350	
4	03:07:20	03:07:51	258	250	
5	〃	03:08:01	〃	230	
6	〃	03:08:09	〃	250	
7	03:12:04	03:12:40	156	150	
8	03:14:01	03:14:42	131	125	
9	03:16:07	03:16:38	101	100	
10	03:19:12	03:19:43	76	75	
11	03:21:22	03:21:53	50	45	
12	03:23:31	03:24:09	25	25	
13	03:25:24	03:26:20	3	5	
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Hawaii Ocean Time Series			Station #: 2	Cast #: 5	Box #: 5-6
Salinity Sample Log Sheet			Cruise #: HOT- 363	Sampler: AD/FSM/SD/SM	
Niskin #	Depth	Serial #	Comments		
1	1000	111			
2	430	112	5 min		
3	350	113			
4	250	114			
5	—	—			
6	—	—			
7	150	115			
8	125	116			
9	100	117			
10	75	118			
11	45	119			
12	25	120			
13	5	121			
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

HOT- 363

Hawaii Ocean Time-Series CONSOLE LOG

HPLC

Cast type	Bottle type	SST	Operator
6000GPS	12L	23.60	MD

- ☐ Pinger
- ☒ Altimeter
- ☐ Transmissometer
- ☐ BEACH Sea Tech Fluorometer
- ☐ OTG Seapoint Fluorometer
- ☐ ISUS
- ☑ PO Fluorometer
- ☐

Station: 2	Cast: 6
Latitude start: 22° 41.316 'N end: 22° 42.116 'N	Longitude start: 158° 2.034 'W end: 158° 0.248 'W
Depth of water: 4764 meters	Date (GMT): 4 / 1 / 26
Pressure on Deck	Time:
Begin: -0.25 End: -0.39	Start Log: 0558 In Water: 0604
Max cast pressure: 1620 dbar	Out of Water: 0708

Trip/ Niskin	Time stopped	Confirm tripped	Pressure	Target Depth	Comments
1	06:26:54	06:27:25	1017	1000	
2	06:38:12	06:38:42	420	420	5 min
3	06:43:12	06:43:43	255	250	
4	06:46:09	06:46:46	181	175	
5	06:48:57	06:49:29	154	150	
6	06:51:16	06:51:47	139	135	
7	06:52:50	06:53:21	127	125	
8	06:54:17	06:54:47	116	115	
9	06:55:58	06:56:28	100	100	
10	06:57:39	06:58:10	86	85	
11	06:59:07	06:59:37	74	75	
12	07:00:48	07:01:23	61	60	
13	07:02:47	07:03:19	46	45	
14	07:04:28	07:05:01	26	25	
15	07:06:23	07:06:54	5	5	
16	〃	07:07:03	〃	5	
17	〃	07:07:11	〃	5	
18					
19					
20					
21					
22					
23					
24					

Hawaii Ocean Time Series			Station #: 2	Cast #: 6	Box #: 6
Salinity Sample Log Sheet			Cruise #: HOT- 363	Sampler: MD/FSM/SD/SG	
Niskin #	Depth	Serial #	Comments		
1	1000	122			
2	420	123	5 m.m		
3	—	—			
4	175	124			
5	150	125			
6	135	126			
7	125	127			
8	115	128			
9	100	129			
10	85	130			
11	75	131			
12	60	132			
13	45	133			
14	25	134			
15	5	135			
16					
17					
18					
19					
20					
21					
22					
23					
24					

HOT-~~33~~ -KM-

Meteorological Observations

Date: 3/29/2026

2200

(Use in Matlab) GMT:	0000Z	0400Z	0800Z	1200Z	1600Z	2000Z
Local Time:	1400	1800	2200	0200	0600	1000
Latitude Longitude						21° 20.636 N 158° 16.42 W
True wind speed (kts) True wind direction						18 350
Atmospheric pressure						1014.3
Dry air temperature Wet air temperature Sea surface temp	23.1 18.5 24.30		23.1 			23.1 18.0 24.30
Cloud type H/M/L (/ if dark) Amount 1/8ths (9 if dark) Weather Code			4 3			4 5
Sea-State/ Swell						
Comments						Test Practice at Kalia Sta
ADCP						
TSG SST SSS						
✓ Data Entered						

HOT-363 -KM-

Meteorological Observations

Date: 2026-3-?0

OUTSIDE CIRCLE

(Use in Matlab) GMT:	0000Z	0400Z	0800Z	1200Z	1600Z	2000Z
Local Time:	1400	1800	2200	0200	0600	1000
Latitude				22° 46.12	22°45.7446	22°43.1428
Longitude				158° 01.43	157°58.7155	157°54.5096
True wind speed (kts)				19.	22.1	14.4
True wind direction				24.5	39.0	35.1
Atmospheric pressure				1015.50	1015.50	1017.50
Dry air temperature				21.1	20.8	21.7
Wet air temperature				16.9	18.3	17,9
Sea surface temp				22.80	23.20	23.51
Cloud type H/M/L (/ if dark)				/	LM	LM
Amount 1/8ths (9 if dark)				9	1	2
Weather Code				00	15	15
Sea-State/ Swell						
Comments						
ADCP				✓	✓	✓
TSG SST SSS					✓	✓
✓ Data Entered				✓	✓	✓

Meteorological Observations

HOT- 363 -KM-

Date: 2026-3-31

(Use in Matlab) GMT:	0000Z	0400Z	0800Z	1200Z	1600Z	2000Z
Local Time:	~~1400~~	~~1800~~	~~2200~~	0200	0600	1000
Latitude	22°41.1650	22° 42.35		22° 45.47	22°44.9130	22°45.3161
Longitude	158° 01.9464	158° 02.31		157° 53.25	157°59.5432	157°59.3674
True wind speed (kts)	26.5	18.9		24.0	18.5	23.2
True wind direction	35.0	45.5		56.6	55.9	66.7
Atmospheric pressure	1015.50	1015.70		1015.90	1016.20	1018.30
Dry air temperature	21.6	22.0		21.5	21.0	22.6
Wet air temperature	18.8	18.7		18.2	18.2	18.9
Sea surface temp	23.80	23.95		23.40	23.67	23.71
Cloud type H/M/L (/ if dark)	L	M/L		/	L/M	L
Amount 1/8ths (9 if dark)	4	4		9	3	3
Weather Code	16	15		00	15	15
Sea-State/ Swell						
Comments		moving, sst from ~reen	outside ALOHA circle		SST taken from thermo-salinograph (underway)	SST from thermo-salinigraph (underway)
ADCP	✓	✓		✓	✓	✓
TSG SST SSS	✓	✓		✓	✓	✓
✓ Data Entered		✓		✓	✓	✓

HOT- 363 -KM-

Meteorological Observations

Date: 04/01/2026

(Use in Matlab) GMT:	0000Z	0400Z	0800Z	1200Z	1600Z	2000Z
Local Time:	1400	1800	2200	0200	0600	1000
Latitude		22° 45.70	22° 42.5	22° 40.23		22°44.1741
Longitude		157° 03.84	157° 59.20	157° 56.70		157°54.425
True wind speed (kts)		[illegible]	21.5	21.0		15.9
True wind direction		5[illegible]	65.5	45.5		90.9
Atmospheric pressure		1016.30	1017.40	1016.20		1017.30
Dry air temperature		21.7	21.6	19.3		21.2
Wet air temperature		18.2	17.3	18.5		19.6
Sea surface temp		23.84	23.80	23.[illegible]		23.185
Cloud type H/M/L (/ if dark)		M/L	/	/		M/L
Amount 1/8ths (9 if dark)		4	9	9		3
Weather Code		03	00	00		03
Sea-State/ Swell						
Comments	underway and out of the station ALOHA bounds	underway SST (ew) from screen			outside of the station	SST from thermosalinograph (underway)
ADCP	✓	✓	✓	✓	✓	✓
TSG SST SSS	✓	✓	✓		✓	✓
✓ Data Entered		✓	✓	✓		✓