Possible Bloom Near D Harbor

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		DH Cocco. 1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	53	57.77 N	166	29.57 W	26	JUL	04	22	34	.	.									110	1

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS: Not in bloom

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	60			1						
2	7			2						
3	0			3						
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		Coco-2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	25	57.59 N	166	29.84 W	26	JUL	04	22	54	.	.									117	
Local Date & Time =						JUL	04														

SBE 9+	TIMES	JD/TIME
PRESS SN	DATA ON	
PRI TEMP SN	START DOWN	
SEC TEMP SN	AT DEPTH	
PRI COND SN	AT SURFACE	
SEC COND SN	☐ PAR S/N ____	☐ FLUOR S/N ____

REMARKS
In Bloom

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	60			4						
2	9			5						
3	0			6						
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SES 3a

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	55	41.36	N	168	02.54	W	27	JUL	04	17	18	.	.									132	SES3A

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	80									
2	"									
3	"									
4	"									
5	"									
6	"									
7	"									
8	"									
9	"									
10	"									
11	"									
12	"									
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SES-1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	55	24.15 N	168	18.22 W	27	JUL	04	19	58	.	.									603	
Local Date & Time =						JUL	04														

SBE 9+	TIMES	JD/TIME
PRESS SN	DATA ON	
PRI TEMP SN	START DOWN	
SEC TEMP SN	AT DEPTH	
PRI COND SN	AT SURFACE	
SEC COND SN	☐ PAR S/N	☐ FLUOR S/N

REMARKS 1st of 2 casts – next will be shallow samples

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	600	(592)	C431		7,8,9					
2	500	✓			10					
3	400	✓			11					
4	300	✓			12					
5	200	✓			13					
6	175	✓			14					
7	150	✓			15					
8	125	✓			16					
9	100	✓			17					
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SCS-1 (C2)

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	55524.01 N	16818.05 W	27 JUL 04	2039	.	.										

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
Nuts chl
Sf-chl
cell counts

MAX. DEPTH = 100 m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	100			19			—			
2	75			20			—			
3	50			21	✓		y	0.554		
4	30			22	✓		y			
5	25				✓		y			
6	20			23	✓					
7	15				✓					
8	10			24	✓					
9	5									
10	0			157	✓		↓	↓		
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SGS-1 C3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	65	24.08 N	168	8.01 W	27	JUL	04	21	08	.	.										
Local Date & Time =						JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
10 prod,
DE1 FSW

MAX. DEPTH = 50 m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	15	prod chl								
2	15									
3	15									
4	3	oons								
5	3									
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SES-1 C4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
7	55	24.03	N	168	18.01	W	27	JUL	04			.	.									635	
					Local Date & Time =			JUL	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

~~ATES~~

Whole sea water DELFSW

MAX. DEPTH = 100 m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	3									
2	3									
3	3									
4	3									
5	3									
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SES-2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
8	55	34.06	N	168	07.74	W	27	JUL	04	23	10	.	.									139	8

Local Date & Time = JUL 04

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = 130 m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	130			27						
2	100			28						
3	75			29						
4	50			30	✓					
5	40			31	✓					
6	30			32	✓					
7	20			33	✓					
8	12	chl max		34	✓					
9	10			35	✓					
10										
11										
12										
bucket										

55 54.0 167 48.01
3.93 167 47.95

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SES-4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	55	53.92	N	167	47.90	W	28	JUL	04	01	45	.	.									132	9

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = 125 m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	130			36						
2	100		C982	37						
3	75			38						
4	50			39	✓					
5	40			40	✓					
6	30			41	✓					
7	15	Depth max		42	✓					
8	10			43	✓					
9	0			44	✓					
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		5ES6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	10	5613.94	N	16728.00		W	28	JUL	04	04	25	.	.									134	10
						Local Date & Time =		JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
nuts, chl, cell counts

MAX. DEPTH = 125 m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	125			45						
2	100			46						
3	75			47						
4	50			48	✓					
5	40			49	✓					
6	30			50	✓					
7	22			51	✓					
8	10			52	✓					
9	0			53	✓					
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SES-8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	11	5834.08	N	167	07.89	W	28	JUL	04	07	12	.	.									103	
					Local Date & Time =			JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
nuts, chl, cell count

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	90		C11B1	54						
2	75			55						
3	50			56	✓					
4	40	chl		57	✓					
5	30			58	✓					
6	20			59	✓					
7	10			60	✓					
8	0			61	✓					
9										
10										
11										
12										
bucket										

Transect ↓ from St. George

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GC-1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
12	56	30.96	N	169	35.38	W	28	JUL	04	16	05	.	.										12

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS nuts chl, cell cnts

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	44			7						
2	30			8						
3	27			9						
4	20			10						
5	10			11						
6	0			12						
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6C2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	13	56 28.03	N	169 35.37	W		28	JUL	04	16	42	.	.									88	13
Local Date & Time =								JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = 80 m

CTDC SEQ.	DESIRED DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	80			13						
2	50		C13 B2	14	✓					
3	40			15	✓					
4	30			16	✓					
5	20			17	✓					
6	12			19	✓					No Nut 18 bottle
7	0			20	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6C3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
14	56	25.35	N	169	35.16	W	28	JUL	04	17	26	.	.									101	14

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = 90 m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	90			21						
2	75			22						
3	50			23	✓					
4	40			24	✓					
5	30			27	✓					
6	20			28	✓					NO 25 OR 26
7	10			29	✓					
8	0			30	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6C4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
15	56	22.40	N	169	35.02	W	28	JUL	04	18	17	.	.									128	15
						Local Date & Time =		JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	120			31						
2	100			32						
3	75		C15 A3	33						
4	50			34	✓					
5	40			35	✓					
6	30			36	✓					
7	20			37	✓					
8	10			38	✓					
9	0			39	✓					
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GC5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	16	56 19.63	N	169	35.14	W	28	JUL	04	18	55	.	.									14	
Local Date & Time =								JUL	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	135			40						
2	100			41						
3	75			42						
4	50			43	✓					
5	40			44	✓					
6	30			45	✓					
7	20			46	✓					
8	10			47	✓					
9	0			48	✓					
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6C6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	17	56 16.79	N	169	35.15	W	28	JUL	04	19	40	.	.									205	17

Local Date & Time = JUL 04

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = 197 m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	195			49						Nuts suggest leaker
2	175			50						
3	150		C17 B3	51						
4	125			52						
5	100			53						
6	75			54						
7	50			55	✓					
8	40			56	✓					
9	30			57	✓					
10	20			58	✓					
11	10			59	✓					
12	0			60	✓					Jeff thought 12 was already tripped below surface. Marks (old fly) say not
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GC7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
18	56	13.94	N	169	35.33	W	28	JUL	04	20	25	.	.									341	18

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = 326m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	330			62						
2	250			63						
3	200			64						
4	150			65						
5	125			66						
6	100			67						
7	75			68						
8	50			69	✓					
9	30			70	✓					
10	20			71	✓					
11	10			72	✓					
12	0			73	✓					
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GC8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	19	56 11.33	N	169 35.04		W	27	JUL	04	21	30	.	.									403	19
Local Date & Time =								JUL	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = 390 m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	390			74						
2	300			75						
3	250			76						
4	200		195	77						
5	150			78						
6	100			79						
7	75			80						
8	50			81	✓					
9	30			82	✓					
10	20			83	✓					
11	10			84	✓					
12	0			85	✓					
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		C61D

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
20	56	05.73	N	169	34.92	W	28	JUL	04	22	38	.	.									169	20

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = 163 m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	160			86						
2	125			87						
3	100			88						
4	75			89						
5	50			90	✓					Nutrs suggest leader
6	40			91	✓					
7	30			92	✓					
8	20			93	✓					
9	10			94	✓					
10	0			95	✓					
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GC 12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
21	56	00.11	N	169	34.93	W	28	JUL	04	23	41	.	.									372	

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = 360 m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	360			96						
2	300			97						
3	200			98						
4	150			99						
5	125			100						
6	100			101						
7	75			102						
8	50			103	✓					
9	30			104	✓					
10	20			105	✓					
11	10			106	✓					
12	0			107	✓					
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6C13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
22	55	57.54	N	169	34.93	W	29	JUL	04	00	40	.	.									1051	
Local Date & Time =								JUL	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CTD SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	1000			108						
2	900			109						2l Sample for NH4 blank
3	700			110						
4	500			111						Nut Data suggests leaker
5	250			112						
6	200			113						
7	175			114						
8	150			115						
9	125			116						
10	100			117						
11										
12										
bucket										

565

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GC13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	22	55 57.38 N	169 34.95 W		29	JUL	04	01	29	.	.										

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

N15

MAX. DEPTH = m

	SIDE DEPTH SEQ. DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1 17	1 1			120						
1 28	8 8			121						
2 50	6 8			122						
2 95	6 8									
2 168	4 6									
2 308	4 6			123						
2 ✓	3 1									
	3 1			124						
	2 7	308								
	2 –	308		125						
	LF	SK								
	SF			126						
	bucket									

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GC13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	24	5557.35	N	16935.24	W		29	JUL	04	02	18	.	.										
Local Date & Time =								JUL	04														

SBE 9+	TIMES	JD/TIME	REMARKS
PRESS SN	DATA ON		Nuks chl SFchl.
PRI TEMP SN	START DOWN		
SEC TEMP SN	AT DEPTH		
PRI COND SN	AT SURFACE		MAX. DEPTH = m
SEC COND SN	☐ PAR S/N	☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	100			127			N			
2	75			128			N			
3	50			129	✓		Y	0.289		
4	40			130	✓					
5	30			131	✓					
6	20			132	✓					
7	15			133						
8	10			134	✓					
9	5			135						
10	0			136	✓	0.050				
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GC13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	25	5557.29	N	169	34.90	W	29	JUL	04	02	43	.	.									1079	

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

3 5ft
3 chemo

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	-12.5									prod water
2	-12.5									
3	-12.5									
4	2.5									prod water
5	2.5									
6	2.5									
7	2.5									
8	2.5									
9	2.5									
10	2.5									
11	2.5									
12	2.5									
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GC13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	26	55 57.45	N	169	35.23	W	29	JUL	04	03	28	.	.									981	26

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	2.5									all 12 bottles
2										~2.5 m
3										for
4										DE2WSW
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

Called HX288 alexei

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GC13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	27	.	N		.	W		JUL	04			.	.										
						Local Date & Time =		JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1										
2			This was just to collect							
3										
4			water at 20m for Alexei's critters							
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6B1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	28	5631.54	N	169	28.97	W	29	JUL	04	1605		.	.									70	
Local Date & Time =								JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	61		C28 B1	7						
2	50			8		✓				
3	40			9		✓				
4	30			10		✓				
5	20			11		✓				
6	10			12		✓				
7	0			13		✓				
8										
9										
10										
11										
12										
bucket										

56.701 169.422

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6B2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
29	56	30.12 N	169	25.38 W	29	JUL	04	16	39	.	.									81	
Local Date & Time =						JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	75			14						
2	50			15		✓				
3	40			16		✓				
4	30			17		✓				
5	20			18		✓				
6	10			19		✓				
7	0			20		✓				
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GB3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
30	56	28.57	N	169	21.95	W	29	JUL	04	17	12	.	.									94	30
							Local Date & Time =	JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CDC SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	85			21						
2	50		C30 B2	22	✓					
3	40			23	✓					
4	30			24	✓					
5	20			27	✓					
6	10			28	✓					No 25, 26
7	0			29	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GB4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
31	56	27.26 N	169	18.76 W	29	JUL	04	17		.	.									102	
				Local Date & Time =		JUL	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	92			30						
2	75			31						
3	50			32	✓					
4	40		3 1/4	33	✓					
5	30			34	✓					
6	20	}		35	✓					Bottle would not
7	20	}		~~36~~	✓					fire from keyboard
8	20	}		~~37~~	✓					Tried 2x then
9	10			36	✓					used deck unit.
10	0			37	✓					It was firing (bottles
11										closed) just not
12										acknowledging
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6B5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	32	5623.07	N	169	11.71	W	29	JUL	04	1		.	.										
						Local Date & Time =		JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	110			38						
2	75			39						
3	50			40						
4	40			41						
5	30			42						
6	20			43						
7	10			44						
8	0			45						
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6B6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
33	56	18.88 N	169	04.88 W	29	JUL	04	19	47	.	.									136	
				Local Date & Time =		JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. m	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	131			46						
2	100			47						
3	75		3353	48						
4	50			49		✓				
5	40			50		✓				
6	30			51		✓				
7	20			52		✓				
8	10			53		✓				
9	0			54		✓				
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6B7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
34	56	14.28	N	168	57.93	W	29	JUL	04	20	53	.	.									140	34
						Local Date & Time =		JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS high chl.

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	136			55						
2	100			56						
3	75			57						
4	50			58	✓					
5	40			59	✓					
6	30			60	✓					
7	20			61	✓					
8	10			62	✓					
9	0			63	✓					
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		628

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
35	56	10.28	N	168	49.79	W	29	JUL	04	22	06	.	.									243	35

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	240			64						
2	200			65						
3	150			66						
4	125			67						
5	100			68						
6	75			69						
7	50			70	✓					
8	40			71	✓					
9	30			72	✓					
10	20			73	✓					
11	10			74	✓					
12	0			75	✓					
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		639

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	36 56 05.76 N	168 41.18 W	29 JUL 04	2328	.	.									668	36

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = 634 m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	634		36	76						
2	600			77						
3	500			78						
4	400			79						
5	300			80						
6	200			81						
7	150			82						
8	125			83						
9	100			84						
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		639

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	3756 05.45 N	168 41.55 W	30 JUL 04	0001	.	.										
		Local Date & Time =	JUL 04													

SBE 9+	TIMES	JD/TIME	REMARKS
PRESS SN	DATA ON		shoal
PRI TEMP SN	START DOWN		
SEC TEMP SN	AT DEPTH		
PRI COND SN	AT SURFACE		MAX. DEPTH = 100 m
SEC COND SN	☐ PAR S/N	☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	700			85			N			
2	75			86			N			
3	50			87	✓		Y	0.554		
4	40			88	✓		Y	↓		
5	30			89	✓		Y			
6	20			90	✓		Y	↓		
7	15			91			Y	0.289		
8	10			92	✓		Y	↓		
9	5			93			Y			
10	0			94	✓		Y	↓		
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		G139

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	38	5604.46	N	168	41.59	W	30	JUL	04	00	22	.	.									692	
Local Date & Time =								JUL	04														

SBE 9+	TIMES	JD/TIME	REMARKS
PRESS SN	DATA ON		
PRI TEMP SN	START DOWN		DE3SW
SEC TEMP SN	AT DEPTH		
PRI COND SN	AT SURFACE		MAX. DEPTH = m
SEC COND SN	☐ PAR S/N	☐ FLUOR S/N	

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	2.5									
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GB9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	39	56	05.41	N 168	41.60	W	30	JUL	04	01	13	.	.									692	39
Local Date & Time =								JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

DE3W2SW

MAX. DEPTH = m

CIDC SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	2.5									
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6B10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	40	56 01.00 N	168 33.60 W		30	JUL	04	02	20	.	.									279	

Local Date & Time = JUL 04

SBE 9+	TIMES	JD/TIME
PRESS SN	DATA ON	
PRI TEMP SN	START DOWN	
SEC TEMP SN	AT DEPTH	
PRI COND SN	AT SURFACE	
SEC COND SN		

☐ PAR S/N _____ ☐ FLUOR S/N _____

REMARKS

current near bottom

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	277		40-1	95						
2	250			96						
3	200			97						
4	150			98						
5	100			99						
6	75			100						
7	50			101	✓					
8	40			102	✓					
9	30			103	✓					
10	20			104	✓					
11	10			105	✓					
12	0			106	✓					
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GB11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	41	5555.94	N	168	25.90	W	30	JUL	04	03	30	.	.									151	
Local Date & Time =								JUL	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	145		CB1,	107						
2	100			108						
3	75			109						
4	50			110	✓					
5	40			111	✓					
6	30			112	✓					
7	20			113	✓					
8	10			114	✓					
9	0			115	✓					
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SE-S-1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	42	55 24.05	N	168	17.90	W	30	JUL	04	14	40	.	.									625	42

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	100			7			N			
2	75		C42 B2	8			N			
3	50			9	✓		Y	0.554		
4	40			10	✓		Y	↓		
5	30			11	✓		Y			
6	20			12	✓		Y			
7	15			13			Y	0.289		
8	10			14	✓		Y	↓		
9	5			15			Y			
10	0			16	✓		Y			
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SES-1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	43	5524.00	N	168	18.01	W	30	JUL	04	15	05	.	.									634	43
						Local Date & Time =		JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

prod
DE4FSW

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	180									
2	180									
3	180									
4	2.5									
5										
6										
7										
8										
9										
10										
11										
12	✓									
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SES1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	44	55 23.96	N	168	17.97	W	30	JUL	04			.	.										
Local Date & Time =								JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS

N15

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	20									
2	15									
3	13									
4	11.5									
5	8									
6	5									
7	3									
8	0									
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		5ES1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	45	5524.02	N	168	18.04	W	30	JUL	04	04	01	.	.									625	
Local Date & Time =								JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

1DE4WSW

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	2.5									
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SES8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	46	5634.12	N	167	07.96	W	30	JUL	04	23	56	.	.									102	

Local Date & Time = JUL 04

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	95			17						
2	75		C46 B2	18						
3	50			19	✓					
4	40			20	✓					
5	30			21	✓					
6	20			22	✓					
7	10			23	✓					
8	0			24	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SES8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	47	5634.01	N	167	07.89	W	30	JUL	04	00		.	.									103	

Local Date & Time = JUL 04

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CTD SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	35									
2	"									
3	"									
4	"									
5	Sfc									
6	"									
7	"									
8	"									
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SCS8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	48	5634.01	N	167	07.90	W	31	JUL	04	00	53	.	.									193	
Local Date & Time =								JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

Redone

MAX. DEPTH = m

Next

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	40									Cast
2	30									
3	26									
4	21									
5	15									
6	10									
7	5									
8	0									
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SES8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
49	5634.02 N		16707.84 W		31	JUL	04	01	46	.	.									103	48

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

N15

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	40			27						Nut IDs not logged until
2	30			28						after the analyses. Bottles
3	26			29						31 & 32 were reversed in the
4	21			30						sample tray after collection
5	15			32						and values also seem to show
6	10			31						that they were drawn out of
7	5			33						order
8	0			34						
9										
10										
11										
12										
bucket										

Header says 6C, PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6D1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	50	56.34.53 N	164	46.05 W	31	JUL	04	15	16	.	.									54	

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS: milk chl cell count

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. r	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	46		50-1	1	✓					
2	30			2	✓					
3	20			3	✓					
4	10			4	✓					
5	0			5	✓					
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6D2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	51	56.32.92 N	169	49.91 W	31	JUL	04	16	00	.	.									87	
				Local Date & Time =		JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
nuts chl

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. r	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	83	→	41-1	6						→ leaker, use sal no see here bad
2	50			7	✓					Caught a jelly
3	40			8	✓					on way up
4	30			9	✓					
5	20			10	✓					1°T, S well
6	10			11	✓					be wrong
7	0			12	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GD3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	52	56.31.19 N	169	53.66 W	31	JUL	04	16	37	.	.									91	
Local Date & Time =						JUL	04														

SBE 9+	TIMES	JD/TIME	REMARKS
PRESS SN	DATA ON		
PRI TEMP SN	START DOWN		
SEC TEMP SN	AT DEPTH		
PRI COND SN	AT SURFACE		MAX. DEPTH = m
SEC COND SN	☐ PAR S/N	☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. r	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	86			13						
2	75			14						
3	50			15	✓					
4	40			16	✓					
5	30			17	✓					
6	20			18	✓					
7	10			19	✓					
8	0			20	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GD4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	53	56.29.30 N	169	57.41 W	31	JUL	04	17	29	.	.									97	
Local Date & Time =						JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. r	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	91		53-1	21						
2	75			22						
3	50			23	✓					
4	40			24	✓					
5	30			25	✓					
6	20			26	✓					
7	10			27	✓					
8	0			28	✓					
9										
10										
11										
12										
bucket										

Bio Station

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		605

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	54	56 27.61	N	170 01.38		W	31	JUL	04	18	05	.	.									102	
Local Date & Time =								JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS Cast 1 of 4

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	97			29						
2	75			30						
3	50			31	✓		✓	0.554		
4	40			32	✓		✓			
5	30			33	✓		✓			
6	20			34	✓		✓			
7	15			35			✓			
8	10			36	✓		✓			
9	5			37			✓			
10	0			38	✓		✓			
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		C0U5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	55	5627.62	N	170	01.21	W	31	JUL	04	1827		.	.									102	

Local Date & Time = JUL 04

SBE 9+	TIMES	JD/TIME	REMARKS
PRESS SN	DATA ON		Cast 20 ty
PRI TEMP SN	START DOWN		DES FSW
SEC TEMP SN	AT DEPTH		Dead
PRI COND SN	AT SURFACE		MAX. DEPTH = m
SEC COND SN	☐ PAR S/N	☐ FLUOR S/N	

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	20									
2	20									
3	20									
4	4									
5	4									
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6D5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	56	5627.65	N	170	01.23	W	31	JUL	04	18	53	.	.										
Local Date & Time =								JUL	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N ____	☐ FLUOR S/N ____

REMARKS
30+4
N15

MAX. DEPTH = m

CIDC SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	30			39						
2	23			40						
3	20			41						
4	16			42						
5	12			43						
6	8			44						
7	4			45						
8	56			46						
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6D5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	57	56 27.53	N	170	01 .38	W	31	JUL	04	19	20	.	.									102	
					Local Date & Time =			JUL	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
4 of 4
DLTWSW

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	4									
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		606

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
58	56	25.80	N	170	05.21	W	31	JUL	04	19	56	.	.									106	
Local Date & Time =								JUL	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	105		58-1	47						
2	75			48						
3	50			49						
4	40			50						
5	30			51						
6	20			52						
7	10			53						
8	0			54						
9										
10										
11										
12										
bucket										

Birds feeding on several surface convergences (scumlines) between 607

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		607

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	59	5622.49	N	170	12.66	W	31	JUL	04	20	46	.	.									110	59

Local Date & Time = JUL 04

SBE 9+ ___
PRESS SN ___
PRI TEMP SN ___
SEC TEMP SN ___
PRI COND SN ___
SEC COND SN ___

TIMES	JD/TIME
DATA ON	
START DOWN	
AT DEPTH	
AT SURFACE	

☐ PAR S/N ___ ☐ FLUOR S/N ___

REMARKS
Nuts chl
cell counts

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	105			55						
2	75			56						
3	50			57	✓					
4	40			58	✓					
5	30			59	✓					
6	20			60	✓					
7	10			61	✓					
8	0			62	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6D8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	60	56 18.89	N	170	20.26	W	31	JUL	04	21	39	.	.									112	
Local Date & Time =								JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	105			63						
2	75			64						
3	50			65	✓					
4	40			66	✓					
5	30			67	✓					
6	20			68	✓					
7	10			69	✓					
8	0			70	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6D9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	61	5615.41	N	17027.68	W		31	JUL	04	22	30	.	.									116	

Local Date & Time = JUL 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	111		61-1	71						
2	75			72						
3	50			73	✓					
4	40			74	✓					
5	30			75	✓					
6	20			76	✓					
7	10			77	✓					
8	0			78	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6D10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	62	56 12.04	N	170	35.34	W	31	JUL	04	23	24	.	.									124	62
					Local Date & Time =			JUL	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	120		62-1	79						
2	100			80						
3	75			81						
4	50			82	✓					
5	40			83	✓					
6	30			84	✓					
7	20			85	✓					
8	10			86	✓					
9	0			87	✓					
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GD11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	63	5608.69	N	17042.93	W		1 ~~AUG~~	0	4			.	.									450	
				Local Date & Time =				J U L	0 4													575? 650?	

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
altim. didn't kick in – might have been deeper

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	440			88						
2	300			89						
3	200			90						
4	100			91						
5	75			92						
6	50			93	✓					
7	40			94	✓					
8	30			95	✓					
9	20			96	✓					
10	10			97	✓					
11	0			98	✓					
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6012

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	64	56 5.33	N	170 50.66		W	1	AUG	04	01	45	.	.									1802	
						Local Date & Time =		AUG	04														

SBE 9+	TIMES	JD/TIME	REMARKS
PRESS SN	DATA ON		
PRI TEMP SN	START DOWN		
SEC TEMP SN	AT DEPTH		
PRI COND SN	AT SURFACE		MAX. DEPTH = m
SEC COND SN	☐ PAR S/N	☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	1000		64-1	99 100 101						
2	500			102						
3	200			103						
4	150			104						
5	100			105						
6	75			106						
7	50			107						
8	40			108						
9	30			109						
10	20			110						
11	10			111						
12	0			112						
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6D12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	65	56 5.17	N	170	50.22	W	1	AUG	04	0	222	.	.									1425	65
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	13									
2	13									
3	13									
4	13									
5	0									
6	0									
7	0									
8	0									
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PG13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
66	56	37.18	N	169	41.51	W	1	AUG	04	15	43	.	.									46	66
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	40		66-1	1	✓					
2	30			2	✓					
3	20			3	✓					
4	10			4	✓					
5	0			5	✓					
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PG11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	67	56 42.17	N	169	46.95	W	1	AUG	04	1	635	.	.									77	67
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. m	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	70			6						
2	50			7	✓					
3	40			8	✓					
4	30			9	✓					
5	20			10	✓					
6	10			11	✓					
7	0			12	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P69

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	68	56 46.83	N	169 52.44		W	1	AUG	04	17	25	.	.									74	
					Local Date & Time =			AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	71		681	13						
2	50			14	✓					
3	40			15	✓					
4	30			16	✓					
5	20			17	✓					
6	16			18	✓					
7	10			19	✓					
8	0			20						
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PG7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	69	56 51.58	N	169 58.17		W	1	AUG	04	1	817	.	.									70	
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CTDC SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	65			21						
2	50			22						
3	40			23						
4	30			24						
5	20			25						
6	10			26						
7	0			27						
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P6 6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	70	5654.03	N	170	00.83	W	1	AUG	04	18	45	.	.									71	
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

No Samples

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P65

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
71	56	56.40 N	170	03.69 W	1	AUG	04	19	17	.	.									72	71
				Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	67			28			N			
2	50			29			✓	0.554		
3	40			30			✓			
4	30			31			✓			
5	20			32			✓	0.289		
6	15			33			✓			
7	10			34			✓			
8	5			35			✓			
9	0			36			✓			
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P65

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	72	56.41	N	170	03.56	W	A	U	G	0	4	.	.									72.	
						Local Date & Time =	A	U	G	0	4												

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

Prod
DELFSW

MAX. DEPTH = m

CTDC SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	19									
2	19									
3	19									
4	5									
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P65

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	73	56 56.44	N	170	03.63	W	1	AUG	04	2008		.	.										
Local Date & Time =								AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
3 of 4
NIS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	20			37						
2	15			38						
3	13			39						
4	11			40						
5	8			41						
6	5			42						
7	3			43						
8	SL			44						
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PG5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	74	56.45	N	170	03.04	W	1	AUG	04	20	34	.	.										
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
4 of 4
DEGWSW

MAX. DEPTH = m

CIRC SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	14	C Max								
2	3									
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P63

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
75	57	01.17	N	170	9.68	W	1	AUG	04	21	25	.	.									64	75

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CIDC SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	58		75-1	45						
2	40			46						
3	30			47						
4	20			48						
5	10			49						
6	0			50						
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P61

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	76	5705.86	N	170	15.21	W	1	AUG	04	22	12	.	.									24	
Local Date & Time =								AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	20			51						
2	10			52						
3	0			53						
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PG1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	77	57 5.97	N	170	14.87	W	2	AUG	04	23	16	.	.									24	77
Local Date & Time =								AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. m	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	16			1	✓					
2	0			2	✓					
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P63

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
7857	1	.21	N	170	9.20	W	3	AUG	04	00	12	.	.									64	78

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = 55 m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	56		77.	3	✓					
2	40			4	✓					
3	30			5	✓					
4	20			6	✓					
5	10			7	✓					
6	0		78-1	8	✓					
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P65

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	79	56.56.50	N	170	3.57	W	3	AUG	04	01	13	.	.									72	79
					3.57		Local Date & Time =																

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	67			9						
2	50			10	✓					
3	40			11	✓					
4	30			12	✓					
5	20			13	✓					
6	10			14	✓					
7	0			15	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P66

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	80	56.54.12 N	170	00.70 W	3	AUG	04	02	33	.	.									71	80
Local Date & Time =						AUG	04														

SBE 9+	TIMES	JD/TIME	REMARKS
PRESS SN	DATA ON		
PRI TEMP SN	START DOWN		
SEC TEMP SN	AT DEPTH		
PRI COND SN	AT SURFACE		MAX. DEPTH = m
SEC COND SN	☐ PAR S/N	☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. r	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	62			16						
2	50			17	✓					
3	40			18	✓					
4	30			19	✓					
5	20			20	✓					
6	10			21	✓					
7	0			22	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P67

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
81	56	51.84	N	169	57.90	W	3	AUG	04	03	12	.	.									71	81
Local Date & Time =								AUG	04														

SBE 9+	TIMES	JD/TIME	REMARKS
PRESS SN	DATA ON		
PRI TEMP SN	START DOWN		
SEC TEMP SN	AT DEPTH		
PRI COND SN	AT SURFACE		MAX. DEPTH = m
SEC COND SN	☐ PAR S/N	☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. r	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	63			23						
2	50			24	✓					
3	40			25	✓					
4	30			26	✓					
5	20			27	✓					
6	10			28	✓					
7	0			29	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P65

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	82	56.56.35	N	170	3.60	W	3	AUG	04	13	09	.	.									72	82
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME		REMARKS
PRESS SN		DATA ON			
PRI TEMP SN		START DOWN			
SEC TEMP SN		AT DEPTH			
PRI COND SN		AT SURFACE			MAX. DEPTH = m
SEC COND SN		☐ PAR S/N		☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. r	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	15									Water for
2										Jeff Napp
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PC 6 (=CW1)

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
82	56	54.13	N	170	00.62	W	3	AUG	04	16	15	.	.										
							Local Date & Time =	AUG	04														

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		
PRI TEMP SN		START DOWN		
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = m
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. r	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	63		83-1	1						
2	50			2	✓					
3	40			3	✓					
4	30			4	✓					
5	20			5	✓					
6	10			6	✓					
7	0			7	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
84	56	52.25	N	170	4.33	W	3	AUG	04	16	48	.	.									76	84
							Local Date & Time =	AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
Sellin mod
omnions

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. r	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	70			8						
2	50			9	✓					
3	40			10	✓					
4	30			11	✓					
5	20			12	✓					
6	10			13	✓					
7	0			14	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
855	65	2.63	N	170	8.09	W	2	AUG	04	17	28	.	.									82	85
							Local Date & Time =	AUG	04														

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		
PRI TEMP SN		START DOWN		
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = m
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. r	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	75		854	15						
2	50			16	✓					
3	40			17	✓					
4	30			18	✓					
5	20			19	✓					
6	10			20	✓					
7	0			21	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	56	48.85	N	170	11.92	W	3	AUG	04	18	06	.	.									91	
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		
PRI TEMP SN		START DOWN		
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = m
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. r	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	84			22						
2	75			23						
3	50			24	✓					
4	40			25	✓					
5	30			26	✓					
6	20			27	✓					
7	10			28	✓					
8	0	Missed		~~29~~	✓					
9	0			29	✓					
10										
11										
12										
bucket										

Jelly in cell? Pump? On upcast

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		EW5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
87	56	47.06	N	170	15.62	W	3	AUG	04	18	46	.	.									96	87
							Local Date & Time =	AUG	04														

SBE 9+		TIMES	JD/TIME		REMARKS
PRESS SN		DATA ON			
PRI TEMP SN		START DOWN			
SEC TEMP SN		AT DEPTH			
PRI COND SN		AT SURFACE			MAX. DEPTH = m
SEC COND SN		☐ PAR S/N		☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. r	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	90			30						
2	75			31						
3	50		87-3	32	✓					
4	40			33	✓					
5	30			34	✓					
6	20			35	✓					
7	10			36	✓					
8	0			37	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
88		.	N		.	W		AUG	04			.	.									100	88
							Local Date & Time =	AUG	04														

SBE 9+	TIMES	JD/TIME	REMARKS
PRESS SN	DATA ON		
PRI TEMP SN	START DOWN		Bal1-Sal2 large -.4
SEC TEMP SN	AT DEPTH		
PRI COND SN	AT SURFACE		MAX. DEPTH = m
SEC COND SN	☐ PAR S/N	☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. r	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1										
2										NO
3										Samples
4										
5										Recovered
6										to
7										Lab
8										Salinity sensor
9										
10										T2 S2 bad
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
89	56	45.24	N	170	19.42	W	3	AUG	04	19	40	.	.									101	89
							Local Date & Time =	AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS 1 of 4

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	100			38						
2	75			39						
3	50			40						
4	40			41						N_2 S_2 bad
5	30			42						
6	20			43						
7	15 ✓			44						
8	10 ✓			45						
9	5 ✓			46						
10	0			47						
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	90	56.45.23	N	170	19.49	W	3	AUG	04	2	007	.	.									101	9C

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS: 2 of 4

MAX. DEPTH = m

CIDE SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	~~20~~	15								S1-S2 shell
2	~~20~~	15								large
3	~~20~~	15								
4	5									
5										T2-S2 bad
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	91	56 45.24	N	170 19.46	W		2	AUG	04	2036		.	.									102	
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
3 of 4

MAX. DEPTH = m

CIOC SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	28			48						
2	21			49						
3	18			50						
4	15			51						12 So bad
5	11			52						
6	7			53						
7	4			54						
8	sfc			55						
9										
10										
11										
12										
bucket										

17

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	92	5645.22	N	170	19.44	W	3	AUG	04	21	01	.	.									100	
Local Date & Time =							A	U	G	0	4												

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
4 of 4

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	5			4						
2										
3										
4										T2 S2 bad
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	93	56.43 . 54	N	170	23 . 12	W	3	AUG	04	21	42	.	.									104	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	95			56						
2	75			57						
3	50		93-3	58	✓					
4	40			59	✓					1/2 So bad
5	30			60	✓					
6	20			61	✓					
7	10			62	✓					
8	0			63	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	94	5629.97	N	17030.68		W	3	AUG	04	2232		.	.									109	
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	100			64						
2	75			65						
3	50			66	✓					
4	40			67	✓					$T_2 S_2$ bad
5	30			68	✓					
6	20			69	✓					
7	10			70	✓					
8	0			71	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
95	56	36.68	N	170	38.34	W	3	AUG	04	23	26	.	.									113	
					Local Date & Time =			AUG	04														

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		
PRI TEMP SN		START DOWN		
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = m
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N	

CTD SEQ.	DESIRED DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	100			72						
2	75			73						T_2 S_2 bad
3	50			74	✓					
4	40			75	✓					
5	30			76	✓					
6	20			77	✓					
7	10			78	✓					
8	0			79	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
96	56	33.09	N	170	45.74	W	4	AUG	04	00	14	.	.									118	96

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	110		96-1	80						
2	75			81						
3	50			82	✓					1, 2, 5, bad
4	40			83	✓					
5	30			84	✓					
6	20			85	✓					
7	10			86	✓					
8	0			87	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
97	5629	.66	N	17053	.29	W		A U G	0 4			.	.										
						Local Date & Time =		A U G	0 4														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	115			88						
2	100			89						Swapped out
3	75			90						
4	50			91	✓					T2S2, use
5	40			92	✓					
6	30			93	✓					"Copy of m", con
7	20			94	✓					
8	10			95	✓					T2S2 still bad
9	0			96	✓					
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
98	56	26.15	N	171	00.80	W	4	AUG	04	03	11	.	.									121	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	115			97						
2	100			98						
3	75			99						back to dry
4	60			100						$T_0 S_0$
5	50			101						$T_0 S_0$ still bad
6	40			102						
7	30			103						
8	20			104						
9	10			105						
10	0			106						
11										
12										
bucket										

Con => Copy

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
99	56	22.90	N	171	8.29	W	4	AUG	04	04	24	.	.									134	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CIDC SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	125			107						back to "new"
2	100			108						T & S
3	75			109						use
4	50			110	✓					Copy111 - con
5	40			111	✓					
6	30			112	✓					
7	20			113	✓					
8	10			114	✓					
9	0			115	✓					
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW14

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
100	56	19.17 N	171	15.72 W	4	AUG	04	05	14	.	.									144	100
				Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	139			116						T, S, bad
2	100			117						
3	75			118						
4	50			119						
5	40			120						
6	30			121						
7	20			122						
8	10			123						
9	0			124						
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW15

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	101	5615.99	N	17	123.49	W	4	AUG	04	06	35	.	.									550 ?	
Local Date & Time =							AUG 04																

SBE 9+	TIMES	JD/TIME
PRESS SN	DATA ON	
PRI TEMP SN	START DOWN	
SEC TEMP SN	AT DEPTH	
PRI COND SN	AT SURFACE	
SEC COND SN	☐ PAR S/N ____	☐ FLUOR S/N ____

REMARKS
2° Sal OK
new pump looks better

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	500			125						Use Cast's
2	400			126						Con file
3	300		101-3	127						OR
4	200			128						Cast cfd #1-5-
5	100			129						"Test.con"
6	75			130						
7	50			131	✓					Corroded pin
8	40			132	✓					on pump - fixed
9	30			133	✓					
10	20			134	✓					T & Sa OK
11	10			135	✓					
12	0			136	✓					
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CE1 / PG6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
102	56	54.10	N	170	00.77	W	4	AUG	04	16	46	.	.									171	102
						Local Date & Time =		AUG	04													71	

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	65			1						
2	50			2	✓					
3	40			3	✓					
4	30			4	✓					
5	20			5	✓					
6	10			6	✓					
7	0			7	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CE2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	103	5655.82	N	16956.85	W		4	AUG	04	17	12	.	.									68	103

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	60			8						
2	50			9	✓					
3	40			10	✓					
4	30			11	✓					
5	20			12	✓					
6	10			13	✓					
7	0			14	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CE3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
104	56	57.65	N	169	53.06	W	4	AUG	04	17	42	.	.									65	103
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		104
PRI TEMP SN		START DOWN		
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = m
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	58			15						
2	50			16	✓		✓	0.554		
3	48	Dont Use		~~17~~	✓					
4	40			18	✓		✓	0.554		
5	30			19	✓		✓	0.554		
6	20			20			✓	0.289		
7	15			20	✓		✓	↓		
8	10			21			✓			
9	5			22	✓		✓			
10	0			23			✓			
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CE3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
105	105	5657.49	N	16953.12		W	4	AUG	04	1804		.	.									65	105

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

2 of 4

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	1-2									
2	1-2									
3	1-2									
4	3									
5										
6										
7										
8										
9										
10										
11										
12	✓									
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CG3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
106	56	57.48	N	169	53.17	W	4	AUG	04	18	30	.	.									65	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS
3 of 4
N15

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	18			24						
2	14			25						
3	12			26						
4	9			27						
5	7			28						
6	5			29						
7	2			30						
8	CC			31						
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CE3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
107	56	57.47	N	169	53.10	W	4	AUG	04	19	01	.	.									65	107

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
4 of 4
DEP WSW

MAX. DEPTH = m

CIOC SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	3									
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CE4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
108	56	29.28	N	169	49.28	W	4	AUG	04	19	26	.	.									62	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	55		108-1	32	✓					
2	40			33	✓					
3	30			34	✓					
4	20			35	✓					
5	10			36	✓					
6	0			37	✓					
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CE5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	109	57.01	.15 N	169	45.30 W		4	AUG	04	19	58	.	.									60	109

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

Add cell counts not in header

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	52			38	✓					
2	40			39	✓					
3	30			40	✓					
4	20			41	✓					
5	10			42	✓					
6	0			43	✓					
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CE6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
110	57	2.78	N	169	41.92	W	4	AUG	04	20	22	.	.									58	110

Local Date & Time = AUG 04

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	52		1104	44	✓					
2	40			45	✓					
3	30			46	✓					
4	20			47	✓					
5	10			48	✓					
6	0			49	✓					
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CE7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
111	57	4.52	N	169	37.98	W	4	AUG	04	20	53	.	.									58	111
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	50		111-1	50						
2	40			51						
3	30			52						
4	20			53						
5	10			54						
6	0			55						
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CE8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	11	257 7.96 N	169 30.58 W		4	AUG	04	21	33	.	.									64	
				Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	58			56						
2	50			57	✓					
3	40			58	✓					
4	30			59	✓					
5	20			60	✓					
6	10			61	✓					
7	0			62	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CE9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
113	57	1.45	N	169	23.05	W	4	AUG	04	22	22	.	.									70	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CIRC SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	65			63						
2	50			64	✓					
3	40			65	✓					
4	30			66	✓					
5	20			67	✓					
6	10			68	✓					
7	0			69	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CEID

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
114	57	14.86	N	169	15.62	W	4	AUG	04	23	04	.	.									73	114

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	67		114-1	70						
2	50			71	✓					
3	40			72	✓					
4	30			73	✓					
5	20			74	✓					
6	10			75	✓					
7	0			76	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CEH

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
115	57	18.33 N	169	8.21 W	4	AUG	04	23	53	.	.									72	115
				Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	66			77						
2	50			78	✓					
3	40			79	✓					
4	30			80	✓					
5	20			81	✓					
6	10			82	✓					
7	0			83	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CE12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	1 1 6	5721 . 84	N	169	0 . 68	W	5	A U G	0 4	0036		.	.									70	
Local Date & Time =								A U G	0 4														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	64			84						
2	50			85	✓					
3	40			86	✓					
4	30			87	✓					
5	20			88	✓					
6	10			89	✓					
7	0			90	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CE13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
117	57	25.32	N	168	53.30	W	5	AUG	04	01	31	.	.									70	117
							Local Date & Time =	AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	63			91						
2	50			92						
3	40			93						
4	30			94						
5	20			95						
6	10			96						
7	0			97						
8										
9										
10										
11										
12										
bucket										

Water for Jeff

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CW5 Jeff

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
112	56	47.10 N	170	16.71 W	5	AUG	04	08	48	.	.									96	
			Local Date & Time =			AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CIDC SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	15									
2	↓									
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SL13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	119	57 11.25	N	169 37.16		W	5	AUG	04	1615		.	.									51	
				Local Date & Time =				AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CTD SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	46			1	✓					
2	40			2	✓					
3	30			3	✓					
4	20			4	✓					
5	10			5	✓					
6	0			6	✓					
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SL12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	120	57 8.48	N	169	37.15	W	5	AUG	04	16	43	.	.									53	
Local Date & Time =								AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	47			7	✓					
2	40			8	✓					
3	30			9	✓					
4	20			10	✓					
5	10			11	✓					
6	0			12	✓					
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SL11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	121	57 5.65	N	169	37.06	W	5	AUG	04	17	14	.	.									55	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CIRC SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	1	No Meter - had to time from deck unit								
2	52			13	✓					
3	40			14	✓					
4	30			15	✓					
5	20			16	✓					
6	10			17	✓					
7	0			18	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SL 10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	12	257	2.88 N	169	37.10 W		5	AUG	04	17	41	.	.									58	
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	55			19						
2	40			20						
3	30			21						
4	20			22						
5	10			23						
6	0			24						
7										
8										
9										
10										
11										
12										
bucket										

Deck Unit Errors — Redo

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		529

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
123	57	0.13 N	169	36.75 W	5	AUG	04	18	14	.	.									60	
Local Date & Time =						AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

1 of 4

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	57		123-1	25						
2	50			26			✓	0.544		
3	40			27			✓			
4	30			28			✓			
5	20			29			✓			
6	15			30			✓	0.289		
7	10			31			✓			
8	5			32			✓			
9	0			33			✓			
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SL9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	124	57 0.10	N	169	37.01	W	5	AUG	04	1	829	.	.									60	
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

2 of 5

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	55		124-1	25						
2	50			26	✓		✓	0.544		
3	40			27	✓		✓			
4	30			28	✓		✓			
5	20			29	✓		✓			
6	15			30			✓	0.289		
7	10			31	✓		✓			
8	5			32			✓			
9	0			33	✓		✓			
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		3L9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
125	57	0.10	N	169	37.02	W	5	AUG	04	18	49	.	.									60	
							Local Date & Time =	AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
3 of 5

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	12									pond
2	12									"
3	12									"
4	3									"
5										"
6										"
7										DEGFSW
8										
9										
10										
11										
12	✓									✓
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SL9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	126	57 0.07	N	169	37.04	W	5	AUG	04	19	14	.	.									60	
						Local Date & Time =		AUG	04														

SBE 9+	TIMES	JD/TIME
PRESS SN	DATA ON	
PRI TEMP SN	START DOWN	
SEC TEMP SN	AT DEPTH	
PRI COND SN	AT SURFACE	
SEC COND SN	☐ PAR S/N	☐ FLUOR S/N

REMARKS
4 of 5
N15

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	18			34						
2	14			35						
3	~~12~~	Wrong		(13)						
4	12			36						
5	9			37						
6	7			38						
7	5			39						
8	3			40						
9	0			41						
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		5L9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	127	57 0.10 N	169	37.03 W	5	AUG	04	19	41	.	.									6C	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

5 of 5

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	3									
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SL8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	128	5657.29	N	169	37.00	W	5	AUG	04	20	11	.	.									58	
Local Date & Time =								AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	52		1281	42	✓					
2	40			43	✓					
3	30			44	✓					
4	20			45	✓					
5	10			46	✓					
6	0			47	✓					
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SL7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	129	5654.47	N	16936.49	W		5	AUG	04	2046		.	.									69	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	66			148						
2	50			149	✓					
3	40			150	✓					
4	30			151	✓					
5	20			152	✓					
6	10			153	✓					
7	0			154	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		5L6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	130	5651.64	N	16936.95	W		5	AUG	04	21	13	.	.									69	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	65			55						
2	50			56	✓					
3	40			57	✓					
4	30			58	✓					
5	20			59	✓					
6	10			60	✓					
7	0			61	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SL5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
131	56	48.72	N	169	36.64	W	5	AUG	04	21	45	.	.									66	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		
PRI TEMP SN		START DOWN		
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = m
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N	

CIDE SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	60			62						
2	50			63	✓					
3	40			64	✓					
4	30			65	✓					
5	20			66	✓					
6	10			67	✓					
7	0			68	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SL4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	132	5646.02	N	169	36.92	W	5	AUG	04	22	10	.	.									70	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CIRC SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	66			69						
2	50			70	✓					
3	40			71	✓					
4	30			72	✓					
5	20			73	✓					
6	10			74	✓					
7	0			75	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SL3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
133	56	43.17	N	169	36.88	W	5	AUG	04	22	43	.	.									78	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CIRC SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	72			76						
2	50			77	✓					
3	40			78	✓					
4	30			79	✓					
5	20			80	✓					
6	10			81	✓					
7	0			82	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		5L2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	134	5640.43	N	169	37.03	W	5	AUG	04	23	22	.	.									75	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	70			89	Note - Out of Sequence					
2	50			83	✓					
3	40			84	✓					
4	30			85	✓					
5	20			86	✓					
6	10			87	✓					
7	0			88	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SL1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	135	5637.69	N	169	36.86	W	5	AUG	04	23	49	.	.									61	
							Local Date & Time =	AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	54			90	✓					
2	40			91	✓					
3	30			92	✓					
4	20			93	✓					
5	10			94	✓					
6	0			95	✓					
7										
8										
9										
10										
11										
12										
bucket										

Water for Jeff

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		CE11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	13	57 17.06	N	169	9.55	W	6	AUG	04	10	27	.	.									73	
Local Date & Time =							AUG 04																

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

Water for Jeff

MAX. DEPTH = m

SIDE DEPTH SEQ. DESIRED		ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6A1

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
137	5635.06N	16926.96W	6 AUG 04	1507	.	.									16	

Local Date & Time = AUG 04

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	12			1	✓					
2	0			2	✓					
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GA2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
138	56	35.12	N	169	21.93	W	6	AUG	04	15	34	.	.									53	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	50		1391	3	✓					
2	30			4	✓					
3	30			5	✓					
4	20			6	✓					
5	10			7	✓					
6	0			8	✓					
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GA3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
139	56	35.28 N	169	17.21 W	6	AUG	04	16	06	.	.									44	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
~~2° - 2 large~~
OK

MAX. DEPTH = m

CIDC SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	38			9	✓					
2	30			10	✓					
3	20			11	✓					
4	10			12	✓					
5	0			13	✓					
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GA4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	140	5635.18	N	169	12.07	W	6	AUG	04	16	34	.	.									67	
					Local Date & Time =			AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

Cell cnt ✓

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	60			14						
2	50			15	✓					
3	40			16	✓					
4	30			17	✓					
5	20			18	✓					
6	10			19	✓					
7	0			20	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GA5

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	41 5635.30 N	169 7.15 W	6 AUG 04	1709	.	.									68	

Local Date & Time = AUG 04

SBE 9+	TIMES	JD/TIME	REMARKS
PRESS SN	DATA ON		
PRI TEMP SN	START DOWN		
SEC TEMP SN	AT DEPTH		
PRI COND SN	AT SURFACE		MAX. DEPTH = m
SEC COND SN	☐ PAR S/N	☐ FLUOR S/N	

CIOC SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	63		141-1	21						
2	50			22	✓					
3	40			23	✓					
4	30			24	✓					
5	20			25	✓					
6	10			26	✓					
7	0			27	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6A6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
142	56	35.20	N	169	1.94	W	6	AUG	04	17	37	.	.									72	
							Local Date & Time =																

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS

MAX. DEPTH = m

CIDC SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	65			28						
2	50			29	✓					
3	40			30	✓					
4	30			31	✓					
5	20			32	✓					
6	10			33	✓					
7	0			34	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6A7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
143	56	35.45	N	168	57.21	W	6	AUG	04	18	12	.	.									94	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		
PRI TEMP SN		START DOWN		
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = m
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N	

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	92			35						
2	75			36						
3	50			37	✓					
4	40			38	✓					
5	30			39	✓					
6	20			40	✓					
7	10			41	✓					
8	0			42	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GA8

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
144	5635.44 N	16852.12 W	6 AUG 04	1852	.	.									105	
		Local Date & Time =	AUG 04													

SBE 9+	TIMES	JD/TIME
PRESS SN	DATA ON	
PRI TEMP SN	START DOWN	
SEC TEMP SN	AT DEPTH	
PRI COND SN	AT SURFACE	
SEC COND SN	☐ PAR S/N	☐ FLUOR S/N

REMARKS
1 of 4

MAX. DEPTH = m

CTD SEQ.	DESIRED DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	98		144-1	43						
2	75			44						
3	50			45	✓		✓			
4	40			46	✓		✓			
5	30			47	✓		✓			
6	20			48	✓		✓			
7	15	No trip from keyboard					X			
8	15			49	✓		✓			
9	10			50			✓			
10	5			51	✓		✓			
11	0			52			✓			No confirmation of trip
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6A8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	45	56 35.22 N	168 52.00 W		6	AUG	04	19	16	.	.									105	
Local Date & Time =						AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
2 of 4

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	40									
2	40									
3	40	> Not sure where tripped / 3 did not say, it was								
4	7									
5	↓					redo				
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		G18

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	1465635.28 N	16851.93 W	6 AUG 04	1946	.	.									105	

Local Date & Time = AUG 04

SBE 9+	
PRESS SN	
PRI TEMP SN	
SEC TEMP SN	
PRI COND SN	
SEC COND SN	

TIMES	JD/TIME
DATA ON	
START DOWN	
AT DEPTH	
AT SURFACE	

☐ PAR S/N _____ ☐ FLUOR S/N _____

REMARKS

Redo Surf / prod.

MAX. DEPTH = m

+N15

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	45			53 & 1						
2	34			54 & 2						
3	30			55 & 3						
4	24			56 & 4						
5	17			57 & 5						
6	12			58 & 6						
7	7									
8	7									
9	7									
10	7									
11	6			59 & 7						
12	5			60 & 8						
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GAP

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	147	5635.25	N	168	51.96	W	6	AUG	04	20	19	.	.									105	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
4 of 4
WSW

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	7									
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		MOOR 4A

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
14D	56	37.93	N	168	52.50	W	6	AUG	04	20	46	.	.									102	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

Current

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	97		148-1							
2	"				✓	(Zee)				
3	"				✓					
4	"				✓					
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6A9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	149	5635.36	N	168	46.97	W	6	AUG	04	21	32	.	.									109	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	103			61						
2	75			62						
3	50			63	✓					
4	40			64	✓					
5	30			65	✓					
6	20	Mis Fire		~~66~~	✓					
7	20									
8	20			66	✓					
9	10			67	✓					
10	0			68	✓					
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6A10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	150	5635.23	N	168	41.90	W	6	AUG	04	22	04	.	.									109	
							Local Date & Time =			A	U	G	0	4									

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

Big bird flock

MAX. DEPTH = m

CTD SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	102			69						
2	75			70						
3	50			71						
4	40			72						
5	30			73						
6	20			74						
7	10			75						
8	0			76						
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6A11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	151	5635.23	N	168	36.79	W	6	AUG	04	22	38	.	.									111	
Local Date & Time =								AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	109			77						
2	75			78						
3	50			79						
4	40			80						
5	30			81						
6	20			82						
7	10			83						
8	0			84						
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GA100

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
152	56	38.03	N	167	37.24	W	7	AUG	04	62	09	.	.									106	
							Local Date & Time =																

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS 1 of 4

MAX. DEPTH = m

CTDC SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	102			85						
2	75			86						
3	50			87	✓					
4	40			88	✓					
5	30			89	✓					
6	20			90	✓					
7	15			91						
8	10			92	✓					
9	5			93						
10	0			94	✓					
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		6A/0D

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
153	5638	.27	N	16737	.21	W	7	AUG	04	0228		.	.									105	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
2 of 4

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	36	prod								
2	36									
3	36									
4	7									
5										
6										
7										
8		DC11 FCN								
9										
10										
11										
12										
bucket										

SAMPLE BOTTLE NUMBERS

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GA100

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	154	56.38 .29	N	167	37.11	W	7	AUG	04	02	51	.	.									106	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
3 of 4

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	45			95 d 1						
2	34			96 d 2						
3	29			97 d 3						
4	24			98 d 4						
5	17			99 d 5						
6	12			100 d 6						
7	6			101 d 7						
8	Sfc			102 d 8						
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		GA100

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	155	5638.25	N	167	37.27	W	7	AUG	04	0316		.	.									106	
						Local Date & Time =		AUG	04														

SBE 9+	TIMES	JD/TIME
PRESS SN	DATA ON	
PRI TEMP SN	START DOWN	
SEC TEMP SN	AT DEPTH	
PRI COND SN	AT SURFACE	
SEC COND SN	☐ PAR S/N	☐ FLUOR S/N

REMARKS
4 of 4
DE11WSW

MAX. DEPTH = m

CIDC SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	7									
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	56	56 40.52 N	164	20.40 W	7	AUG	04	14	38	.	.									72	
				Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1										Water for
2										Jeff Napp
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

(added cell counts)

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
157	5643.69	N		164	14.09	W	7	AUG	04	1608		.	.									72	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	69			1						
2	50		1572	2	✓					
3	40			3	✓					
4	30			4	✓					
5	20			5	✓					
6	10			6	✓					
7	0			7	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
158	5648.18	N		164	8.89	W	7	AUG	04	17	1	.	.									71	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CIPC SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	67			8						
2	50			9	✓					
3	40			10	✓					
4	30			11	✓					
5	20			12	✓					
6	10			13	✓					
7	0			14	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C9/MOOR 2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	59	5652.70	N	164	3.35	W	7	AUG	04	1	801	.	.									69	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	64		159-1	15						
2	50			16	✓					
3	40			17	✓					
4	30			18	✓					
5	20			19	✓					
6	11			20	✓					
7	11				✓					
8	11				✓					
9	0			21	✓					
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	160	5657.20	N	163	57.99	W	7	AUG	04	18	49	.	.									67	
							Local Date & Time =																

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	63			22						
2	50			23	✓					
3	40			24	✓					
4	30			25	✓					
5	20			26	✓					
6	10			27	✓					
7	0			28	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
161	57	1.57	N	163	52.61	W	7	AUG	04	19	30	.	.									66	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	60			29						
2	50			30						
3	40			31						
4	30			32	✓					
5	20	19		33						
6	10			34						
7	0			35	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C9/Move 2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
162	56	52.66	N	164	3.09	W	7	AUG	04	20	53	.	.										
							Local Date & Time =			AUG	04												

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

In situ

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	40			36	1					
2	30			37	2					
3	25			38	3					
4	21			39	4					
5	15									
6	15			40	5					
7	10			41	6					
8	5			42	7					
9	Sfc			43	8					
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C 11 2nd Atmo

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
163	56	57.02	N	162	57.86	W	8	AUG	04	02	51	.	.									68	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	61		163-1	44						
2	50			45						
3	40			46						
4	30			47	✓					
5	23			48	✓					
6	10			49						
7	0			50	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C13 2nd time

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	164	57 1.53	N	163	52.48	W	8	AUG	04	3	32	.	.									66	
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	62			51						
2	50			52						
3	40			53						
4	30			54	✓					
5	20	Max		55	✓					
6	10			56						
7	0			57	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C15

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
165	57	6.02	N	163	47.10	W	8	AUG	04	04	13	.	.									65	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	61			58						
2	50			59						
3	40			60						
4	30			61	✓					
5	20			62	✓					
6	10			63						
7	0			64	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C17

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
166	57	10.53	N	163	41.72	W	8	AUG	04	4	52	.	.									63	
Local Date & Time =								AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	58			65						
2	50			66						
3	40			67						
4	30			68	✓					
5	19			69	✓					
6	10			70						
7	0			71	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C19

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	167	57 15.00	N	163	36.30	W	8	AUG	04	25	36	.	.										
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	56		167-	72						
2	50			73						
3	40			74						
4	30			75						
5	29			76						
6	10			77						
7	0			78						
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C 21

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	168	57 19.45	N	163 30.93		W	8	AUG	04	06	15	.	.										
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		
PRI TEMP SN		START DOWN		
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = m
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N	

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	48			79						
2	40			80						
3	30			81						
4	~~20~~ 17			82						
5	10			83						
6	0			84						
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	169	56 59.45 N	163	55.24 W	8	AUG	04	12	48	.	.									67	
Local Date & Time =						AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
Water for Jeff Napp

MAX. DEPTH = m

CIOE SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C9/MOOR2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
170	56	52.62	N	164	3.40	W	8	AUG	04	16	12	.	.									70	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	65			1						
2	50			2			✓	0.554		
3	40			3			✓			
4	30			4	✓		✓			
5	20	18		5	✓		✓			
6	15			6			✓			
7	10			7			✓			
8	5			8			✓			
9	0			9	✓		✓			
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C9/Moore2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	171	56 52.56	N	164	3.46	W		AUG	04			.	.									70	
Local Date & Time =								AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

2 of 9

MAX. DEPTH = m

CIDC SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	18									Bottles
2	18									
3	18									dirt
4	7									
5										Fire
6										
7										
8										Redo
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C9/Moor2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
172	56	52.51	N	164	3.52	W	8	AUG	04	16	51	.	.									70	
					Local Date & Time =			AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

3 of 5

MAX. DEPTH = m

CIDE SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	18									
2	18									
3	18									
4	7									
5										
6										
7										
8										
9										
10										
11										
12	✓									
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C9/MOOR2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	173	56 52.50	N	164	3.51	W	8	AUG	04	17	19	.	.									69	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
4 of 5
N15

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	40			10 & 1						
2	~~30~~									
3	30			11 & 2						
4	26			12 & 3						
5	21			13 & 4						
6	15			14 & 5						
7	10			15 & 6						
8	5			16 & 7						
9	bfw	No fire		17 & 8		No help				
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C9/ Mooring 2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	174	56 52.49	N	164	3.63	W	8	AUG	04	17	57	.	.									69	
							Local Date & Time =																

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

5 of 5

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	7									
2										
3										
4										
5										
6										
7										
8										
9		No trip								
10	Sfc									
11	Sfc	~~WNS~~								
12	Sfc	NIS								
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C9/MOOR2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
176	56	52.63	N	164	3.18	W	9	AUG	04	16	10	.	.									69	
						Local Date & Time =		AUG	04														

SBE 9+ _____
PRESS SN _____
PRI TEMP SN _____
SEC TEMP SN _____
PRI COND SN _____
SEC COND SN _____

TIMES	JD/TIME
DATA ON	
START DOWN	
AT DEPTH	
AT SURFACE	

☐ PAR S/N _____ ☐ FLUOR S/N _____

REMARKS
1 of 5

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	65		176-1	1						
2	50			2		✓				
3	40			3						
4	30			4						
5	20			5						
6	15			6						
7	10			7						
8	5			8						
9	0			9	✓	✓				
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C9 Moor2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	177	5652.55	N	164	3.41	W	9	AUG	04	1626		.	.									70	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
20+5

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	20									
2	20									bottle 10
3	20									
4	7									did
5										
6										
7										not
8										close
9										
10										Pelo
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C9/Moor 2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	178	56 52.51	N	164	3.58	W	9	AUG	04	16	40	.	.									70	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
3 of 5
Rdo 0 of 177
MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	20	pond								Jellies in water
2	20									→ odd spikes in
3	20									T caused by
4	7									sea snot?
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		Mac 9/Mon 2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
179	56	52.50	N	164	3.45	W	9	AUG	04	17	04	.	.									69	
							Local Date & Time =																

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
4 of 5
N15

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	32			10 1						
2	24			11 2						
3	19			12 3						
4	17			13 4						
5	12			14 5						
6	8			15 6						
7	5	—	—	do. 1 use	—	—	—	—	—	—
8	4			16 7						
9	S.C			17 8						
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C9, M002

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	180	5652.50	N	164	3.42	W	9	AUG	04	17	28	.	.									69	
							Local Date & Time =			AUG	04												

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
5 of 5
DEBWSW

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	7									
2										
3										
4										
5										
6										
7										
8										
9		NOT	(8 m)							
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2W5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
1	81	5646.50 N	16422.56 W		9	AUG	04	18	59	.	.									71	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	65		181-1	18						
2	50			19						
3	40			20						
4	30			21	✓					
5	20			22						
6	10			23						
7	0			24	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2W7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	182	56.51.11	N	164	16.98	W	9	AUG	04	19	49	.	.									69	
							Local Date & Time =			AUG	04												

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	66			25						
2	50			26						
3	40			27						
4	30			28	✓					
5	20			29	✓					
6	10			30						
7	0			31	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2W9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
183	56	55.62	N	164	11.64	W		AUG	04			.	.									68	183
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	64		183-1	32						T on down
2	50			33						5 cast
3	40			34						jellies?
4	30			35	✓					
5	20			36	✓					
6	10			37						
7	0			38	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		m2W11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
184	57	0.10	N	164	6.14	W	9	AUG	04	21	25	.	.									66	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

higher chl. thicker layer

MAX. DEPTH = m

CIDE SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	62			39						
2	50			40						
3	40			41						
4	30			42	✓					
5	20			43	✓					
6	10			44						
7	0			45	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2W13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	185	57 4.61	N	164 0.70	W		9	AUG	04	22	12	.	.									65	
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	61		185-1	46						
2	50			47						
3	40			48						
4	30			49	✓					
5	20			50	✓					
6	10			51						
7	0			52	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2E13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	1 86	5658.66	N	1 63	44.22	W	9	AUG	04	23	33	.	.									66	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	60			53						
2	50			54						
3	40			55						
4	30			56	✓					
5	20			57	✓					
6	10			58						
7	0			59	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2E11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	187	56.54.08	N	163	49.78	W	10	AUG	04	0021		.	.									69	

Local Date & Time = AUG 04

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CIDC SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	65		187-1	68						
2	50			64						
3	40			62						
4	30			63	✓					
5	20			61	✓					
6	10			65						
7	0			66	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M269

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
188	56	49.58	N	163	55.09	W	10	AUG	04	11	3	.	.									71	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1				6						
2	50			6						
3	40			6						
4	30			7	✓					
5	20			7	✓					
6	10			7						
7	0			7	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2E7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	189	5645.14	N	164	0.49	W	10	AUG	04	02	04	.	.									72	
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	68			74						
2	50			75						
3	40			76						
4	30			77						
5	20			78						
6	10			79						
7	0			80	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2E5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
190	56	40.54	N	164	5.95	W		AUG	04			.	.									74	190
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CIDE SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	70			8~~18~~						
2	50			8~~32~~						
3	40			8~~23~~						
4	30			8~~19~~	✓					
5	26			8~~15~~	✓					
6	10			8~~13~~						
7	0			8~~14~~	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C9/Moe 2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	192	5652.54	N	164	3.18	W	10	AUG	04	16	08	.	.									70	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	64		192-1	1						
2	50			2						
3	40			3						
4	30			4						
5	20			5						
6	15			6						
7	10			7						
8	5			8						
9	0			9	✓					
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C9/Mooring 2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
193	56	52.43	N	164	3.31	W	10	AUG	04	16	23	.	.									70	
							Local Date & Time =	AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
2014
prod DE14

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	21									
2	21	prod								
3	21									
4	7									
5										
6										
7										
8		DE14FSW								
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C9/ M OUR 2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
194	56	52.48	N	164	3.40	W	10	AUG	04	16	50	.	.									70	
							Local Date & Time =																

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
3 of 4
N75

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	40			10 / 1						
2	30			11 / 2						
3	26			12 / 3						
4	21			13 / 4						
5	15			14 / 5						
6	10			15 / 6						
7	5			16 / 7						
8	Sfc			17 / 8						
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		M2C9/MOOR2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	55	652.47 N	164	3.44 W	10	AUG	04	17	16	.	.									70	
Local Date & Time =						AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
4 of 4
DE14WSW
MAX. DEPTH = m

CIDE SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	7									
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P613

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
197	56	37.28	N	169	42.00	W	11	AUG	04	16	11	.	.									49	
							Local Date & Time =																

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

FIRE SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	52		V?	1						
2	40			2						
3	30			3						
4	20			4						
5	10			5	✓					
6	0			6	✓					
7										
8										
9										
10										
11										
12										
bucket										

70

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PG12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
198	56	39.67	N	169	44.32	W	11	AUG	04	16	36	.	.									73	
							Local Date & Time =	AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DESIRED DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	70			7						
2	50			8						
3	40			9						
4	30			10	✓					
5	20			11						
6	10			12	✓					
7	0			13	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P611

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
199	5642.02 N		16947.02 W		11	AUG	04	1707		.	.									76	
				Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	70		✓	14						
2	50			15						
3	40			16						
4	30			17	✓					
5	20			18						
6	10			19	✓					
7	0			20	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P69

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
200	56	46.82 N	169	52.55 W	11	AUG	04	17	59	.	.									73	
				Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	69			21						
2	50			22						
3	40			23						
4	30			24	✓					
5	20			25						
6	10			26	✓					
7	0			27	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P67

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
201	56	51.53	N	169	58.38	W	11	AUG	04	18	49	.	.									70	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	67			28						
2	50			29						
3	40			30						
4	30			31						
5	20			32						
6	10			33						
7	0			34						
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
202	56	53.99	N	170	0.99	W	11	AUG	04	19	17	.	.									70	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	67			35						
2	50			36						
3	40			37						
4	30			38						
5	20			39						
6	10			40						
7	0			41						
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P65

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
204	56	56.38	N	170	3.59	W	11	AUG	04	20	10	.	.									72	
					Local Date & Time =			AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS
2 of 5

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	10									
2	10									
3	10									
4	6									
5	6									
6	6									
7	6	? —	No Mark							
8	5fr									
9	↓									
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P65

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
203	56	56.37	N	170	3.64	W	11	AUG	04	19	50	.	.									72	
							Local Date & Time =																

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

1 of 5

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	68		203-1	42						
2	50			43			✓			
3	40			44			✓			
4	30			45			✓			
5	20			46			✓			
6	15			47			✓			
7	10			48			✓			
8	5			49			✓			
9	0			50	✓		✓			
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PG5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
205	56	56.41	N	170	3.60	W	11	AUG	04	20	32	.	.									72	
							Local Date & Time =																

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
3 of 5
N15
MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	18			51 1						
2	14			52 2						
3	12			53 3						
4	9			54 4						
5	7			55 5						
6	5			56 6						
7	3	2 ?		57 7						
8	3	3		58 8						
9	5ft.									
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P65

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
2016	56	56.44	N	170	3.51	W	11	AUG	04	22	05	.	.									72	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS DEIbfsw 4 of 5

MAX. DEPTH = m

CIDC SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	10									
2	3									
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PG5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
207	56	56.4	N	170	3.45	W	11	AUG	04	22	51	.	.									72	
					Local Date & Time =			AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS 5 of 5

MAX. DEPTH = 50 m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	3									
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P64

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
208	56	58.94	N	170	6.35	W	11	AUG	04	23	21	.	.									67	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	64			59						
2	50			60						
3	40			61						
4	30			62						
5	20			63						
6	13			64						
7	0			65						
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P63

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	209	57 1.37	N	170	9.25	W	11	AUG	04	23	53	.	.									64	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	60			66						
2	50			67						
3	40			68						
4	30			69	✓					
5	20			70						
6	10			71	✓					
7	0			72	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P62

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	21	57 3.72 N	170 11.68 W		12	AUG	04	00	18	.	.									34	
				Local Date & Time =		AUG	04													34	

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	30			73	✓					
2	20			74	✓					
3	10			75						
4	0			76	✓					
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PG1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	21	57	6.11	N 170	14.55	W	12	AUG	04	00	47	.	.									27	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	24			77	✓					
2	10			78						
3	0			79	✓					
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P313

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	213	57 8.12	N	171	55.00	W	12	AUG	04	1545		.	.									111	
Local Date & Time =								AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	107		213-1	1						
2	75			2						
3	50			3						
4	40			4						
5	30			5	✓					
6	20			6	✓					
7	10			7						
8	0			8	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P312

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
214	57	8.08	N	171	44.69	W	12	AUG	04	16	37	.	.									108	
							Local Date & Time =	AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	103			9						
2	75			10						
3	50			11						
4	40			12						
5	30			13	✓					
6	20			14	✓					
7	10			15						
8	0			16	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P311

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
215	57	8.15	N	171	34.52	W		AUG	04			.	.									107	
							Local Date & Time =	AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	100		215-1	17						(but Rainy)
2	75			18						
3	50			19						
4	40			20						
5	30			21	✓					
6	20			22	✓					
7	10			23						
8	0			24	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PB10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
21	65	7 8.09	N	171	24.37	W	12	AUG	04	18	22	.	.									103	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	100			25						
2	75			26						
3	50			27						
4	40			28						
5	30			29	✓					
6	20			30	✓					
7	10			31						
8	0			32	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PB9 Moore 3A

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
217	57	8.17	N	171	14.21	W	12	AUG	04	1920		.	.									100	
					Local Date & Time =			AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	95			33						
2	75			34						
3	50			35						
4	40			36						
5	30			37						
6	20			38						
7	11	←		39	✓					
8	11			\	✓					
9	11			\	✓					
10	0			40						
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P38

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
218	57	8.15	N	171	3.93	W	12	AUG	04	20	20	.	.									95	
					Local Date & Time =			AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	90			41						
2	75			42						
3	50			43						
4	40			44						
5	30			45	✓					
6	20			46	✓					
7	10			47						
8	0			48	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P62

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
219	57	3.62	N	170	11.71	W	15	AUG	04	17	23	.	.									35	
Local Date & Time =								AUG	04	17	23												

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	25		219-1	1						
2	10			2						
3	5m			3						
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P64

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
220	56	58.85	N	170	6.18	W	15	AUG	04	18	22	.	.									67	

Local Date & Time = AUG 04

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	60			4						
2	30			5						
3	5			6						
4										Water for
5										Suzanne
6										
7										ask what
8										to call it
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P613

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	221	5637.25	N	16941.64		W	15	AUG	04	21	39	.	.									56	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	52		221-1	7						
2	40			8						
3	30			9	✓					
4	20			10						
5	10			11						
6	0			12	✓					
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P612

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	222	5639.66	N	169	44.22	W	15	AUG	04	22	04	.	.									73	
							Local Date & Time =																

SBE 9+		TIMES	JD/TIME		REMARKS
PRESS SN		DATA ON			
PRI TEMP SN		START DOWN			
SEC TEMP SN		AT DEPTH			
PRI COND SN		AT SURFACE			MAX. DEPTH = m
SEC COND SN		☐ PAR S/N		☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	67			13						
2	50			14						
3	40			15						
4	30			16	✓					
5	20			17	✓					
6	10			18						
7	0			19	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PG11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
223	56	42.08	N	169	46.94	W	15	AUG	04	22	30	.	.									77	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	70		223-1	20						
2	50			21						
3	40			22						
4	30			23	✓					
5	20			24						
6	18			25	✓					
7	0			26	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P610

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
224	56	44.46	N	169	49.69	W	15	AUG	04	22	57	.	.									76	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	70			27						
2	50			28						
3	40			29						
4	30			30	✓					
5	20			31						
6	10			32	✓					
7	0			33	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P69

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
225	56	46.88 N	169	52.48 W	15	AUG	04	23	25	.	.									73	

Local Date & Time = AUG 04

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	67		225-1	34						
2	50			35						
3	40			36						
4	30			37	✓					
5	20			38						
6	10			39	✓					
7	0			40	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P68

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
22	56	42.29	N	169	55.12	W	15	AUG	04	23	50	.	.									72	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		
PRI TEMP SN		START DOWN		
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = m
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot.	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	65			41						
2	50			42						
3	40			43						
4	30			44	✓					
5	20			45						
6	10			46	✓					
7	0			47	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P67

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	22	756 51.69	N	169 57.91	W		16	AUG	04	00	17	.	.									70	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		
PRI TEMP SN		START DOWN		
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = m
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	62			48						
2	50			49						
3	40	~~[illegible]~~		50						
4	30	NO [illegible]		[illegible]						
5	16			51						
6	16									
7	16									
8	16									
9	10			52						
10	0			53						
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		266

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
228	56	54.07 N	170	0.59 W	16	AUG	04	01	50	.	.									71	
		54.07		Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		
PRI TEMP SN		START DOWN		
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = m
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot.	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	65			54						
2	50			55						
3	40			56						
4	30			57						
5	20			58						
6	10			59						
7	0			60	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P65

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	29	56.46N	170	3.26W	16	AUG	04	22	3	.	.									72	
Local Date & Time =						AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	68			61						
2	50			62						
3	40			63						
4	30			64	✓					
5	20			65						
6	10			66						
7	0			67	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P65

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
230	56	56.58	N	170	3.12	W	16	AUG	04			.	.									72	
					Local Date & Time =			AUG	04														

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		
PRI TEMP SN		START DOWN		DE17 Water
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = m
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N	

CIDE SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. r	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	6									
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12	✓									
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		1P64

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
231	56	58.86 N	170	6.08 W	16	AUG	04	03	11	.	.									68	
Local Date & Time =						AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot.	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	62		231-1	68						
2	50			69						
3	40			70						
4	30			71	✓					
5	20			72						
6	10			73	✓					
7	0			74	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P63

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
23257	1	.26	N	170	8.82	W	16	AUG	04	0339		.	.									64	
							Local Date & Time =	AUG	04														

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		
PRI TEMP SN		START DOWN		
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = m
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot.	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	60			75						
2	50			76						
3	40			77						
4	20			78	✓					
5	10			79						
6	0			80	✓					
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P62

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	23	57.55	N	170	11.82	W	16	AUG	04	04	08	.	.									34	
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME		REMARKS
PRESS SN		DATA ON			
PRI TEMP SN		START DOWN			
SEC TEMP SN		AT DEPTH			
PRI COND SN		AT SURFACE			MAX. DEPTH = m
SEC COND SN		☐ PAR S/N		☐ FLUOR S/N	

CIDE SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	30				81	✓				
2	20				82					
3	10				83	✓				
4	0				84	✓				
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P61

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
234	57	5.98	N	170	14.45	W	16	AUG	04	04	36	.	.									27	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	20			85						
2	10			86						
3	0			87						
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PC10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
236	57	59.98	N	170	5.74	W	16	AUG	04	15	53	.	.									73	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		1 of _
PRI TEMP SN		START DOWN		
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = b m
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____	

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	65		236-1	1						
2	50			2	✓					
3	40			3	✓					
4	30			4	✓					
5	20			5	✓					
6	15			6						
7	10			7	✓					
8	5			8						
9	0			9	✓					
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PC10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	23	758	0.08 N	170	15.65 W		16	AUG	04	16	19	.	.									73	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS
2 of ___

MAX. DEPTH = 50 m

CTDC SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

Redo - also set wrong

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PC10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
238	58	0.09	N	170	15.60	W	16	AUG	04	16	24	.	.									73	
							Local Date & Time =			AUG	04												

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CIRC SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	22									
2	22									
3	22									
4	4									
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PC10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	23 9	57 59.93	N	170 15.91		W	16	AUG	04	16	47	.	.									73	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS
4 of 5
N15
MAX. DEPTH = 50 m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	20			10 1						
2	15									
3	15			11 2						
4	13			12 5175						
5	10			13 4						
6	8			14 5						
7	5			15 6						
8	3			16 5182						
9	Sfc			17 5176						
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PC10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	24	58	0.05 N	170	15.87 W		16	AUG	04	17	19	.	.									73	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

DE17 WSW

MAX. DEPTH = 50 m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	4									
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PC9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
241	57	54.34	N	170	15.84	W	16	AUG	04	18	05	.	.									73	
							Local Date & Time =																

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	68		241-1	18						
2	50			19	✓					
3	40			20	✓					
4	30			21	✓					
5	20			22	✓					
6	10			23	✓					
7	0			24	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PC8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	2 4 2	5 7 4 8 . 7 0	N	1 7 0	1 5 . 9 2	W	1 6	A U G	0 4	1 8	5 8	.	.									7 2	
							Local Date & Time =	A U G	0 4														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	67		242-1	25						
2	50			26						
3	40			27						
4	30			28						
5	22			29						
6	10	No rack		~~32~~						
7	10			30						
8	0			31						
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PC 7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
243	57	43.09	N	170	15.98	W	16	AUG	04	19	39	.	.									71	
				Local Date & Time =				AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	66			32						
2	50			33	✓					
3	40			34	✓					
4	28			35	✓					
5	20			36	✓					
6	10			37	✓					
7	0			38	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		1C6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	244	57.37.44	N	170	16.10	W	16	AUG	04	20	33	.	.									71	
					Local Date & Time =			AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	65		✓	39						
2	50			40	✓					
3	40			41	✓					
4	30			42	✓					
5	20			43	✓					
6	10			44	✓					
7	0			45	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		13C5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	245	57.31 . 86 N	170	16 . 06 W	16	AUG	04	21	18	.	.									68	
Local Date & Time =						AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	62			46						
2	50			47	✓					
3	40			48	✓					
4	30			49	✓					
5	20			50	✓					
6	10			51	✓					
7	0			52	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PG4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
246	57	26.31	N	170	16.27	W	16	AUG	04	22	09	.	.									67	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DESIRED DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	62		✓	53						
2	50			54	✓					
3	40			55	✓					
4	30			56	✓					
5	20			57	✓					
6	10			58	✓					
7	0			59	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		1G3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
247	57	20.61	N	170	15.88	W	16	AUG	04	22	57	.	.									56	
							Local Date & Time =			AUG	04												

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	52			60	✓					
2	40			61	✓					
3	30			62	✓					
4	20			63	✓					
5	10			64	✓					
6	0			65	✓					
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P3

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	248	57 19.66 N	169	56.48 W	17	AUG	04	00	20	.	.									53	

Local Date & Time = AUG 04

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	50			66	✓					
2	40			67	✓					
3	30			68	✓					
4	20			69	✓					
5	10			70	✓					
6	0			71	✓					
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P D4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	49	57 21 . 40	N	169	52 . 48	W	17	AUG	04	00	47	.	.									61	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	55			72						Nut bottles
2	40			73						not on log sheet
3	30			74						Cwm guess
4	20			75						
5	10			76						
6	0			77						
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P05

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
2	50	57 23.33	N	169	48.77	W	17	AUG	04	01	25	.	.									60	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		
PRI TEMP SN		START DOWN		
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = m
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot.	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	56			78						
2	40			79						
3	30			80						
4	20			81						
5	20									
6	20									
7	20									
8	10			82						
9	0			83						
10	0									
11	0									
12	0									
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P06

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	51	57.25	N	169	44.97	W	17	AUG	04	02	01	.	.									63	
							Local Date & Time =	AUG	04														

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		
PRI TEMP SN		START DOWN		
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = m
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N	

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. r	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	55			84	✓					
2	40			85	✓					
3	30			86	✓					
4	25			87	✓					
5	25									
6	25									
7	10			88	✓					
8	0			89	✓					
9	0									
10	0									
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PD6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
252	57	25.65	N	169	45.12	W	17	AUG	04	02	23	.	.									63	
							Local Date & Time =	AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS
NIS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot.	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	33			90 1						
2	25			91 2						
3	21			92 3						
4	17			93 4						
5	13			94 5						
6	9			95 6						
7	4			96 7						
8	Sfc			97 8						
9										
10										
11										
12										
bucket										

Mooring 6A

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PD7

CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
253	57 27.09 N	169 41.12 W	17 AUG 04	0257	.	.									67	
	Local Date & Time =		AUG 04													

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		
PRI TEMP SN		START DOWN		
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = m
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N	

CIDC SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot.	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	~~62~~		~~92~~							
2	60			98	✓					
3	50			~~D~~ 99	✓					
4	40			100	✓					
5	30			101	✓					
6	20			102	✓					
7	10			103	✓					
8	0			104	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P28

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	25	45728.89	N	169	37.28	W	17	AUG	04	03	22	.	.									71	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CIDE SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	65			105						
2	50			106	✓					
3	40			107	✓					
4	30			108	✓					
5	20			109	✓					
6	10			110	✓					
7	0			111	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PD9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
255	57	32.59	N	169	29.51	W	17	AUG	04	04	06	.	.									70	
					Local Date & Time =			AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

cell cnt

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	65		255-1	112						
2	50			113						
3	40			114						
4	30			115						
5	20			116						
6	10			117	✓					
7	0			118	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P010

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
256	57	33.14	N	169	28.50	W	17	AUG	04	04	43	.	.									69	
Local Date & Time =								AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	69			119						
2	50			120						
3	40			121						
4	30			122						
5	20			~~123~~						
6	↓			~~124~~						
7				~~125~~						
8										
9	↓			123						
10	10			124						
11	0			125						
12										
bucket										

Check posn

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PD11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
257	57	~~33.14~~ 39.94	N	169	28.50	W	17	AUG	04	05	29	.	.									67	

NMEA 169 14.27

Local Date & Time =	AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	64			126						
2	50			127	✓					
3	40			128	✓					
4	30			129	✓					
5	20	No mark		~~12~~						
6	20			130	✓					
7	10			131	✓					
8	0			132	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		1D12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
258	57	43.62	N	169	6.92	W	17	AUG	04			.	.									65	
							Local Date & Time =			AUG	04												

SBE 9+		TIMES	JD/TIME	REMARKS
PRESS SN		DATA ON		
PRI TEMP SN		START DOWN		
SEC TEMP SN		AT DEPTH		
PRI COND SN		AT SURFACE		MAX. DEPTH = m
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____	

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	61			133						
2	50			134						
3	40			135						
4	30			136						
5	20			137						
6	~~15~~									
7	15			138						
8	10			139						
9	5			140						
10	0			141						
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PD 12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	259	5743.59	N	169	7.01	W	17	AUG	04	06	22	.	.									65	
					Local Date & Time =			AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	3									
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PD12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	60	57 43 . 51	N	169	6 . 76	W	17	AUG	04	07	06	.	.									65	

Local Date & Time = AUG 04

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

DE18 WSW

MAX. DEPTH = m

CIDC SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	3									
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PD12 PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PD2 ?

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	26	57 43.34	N	169	6.71	W	17	AUG	04	08	02	.	.									65	
							Local Date & Time =			AUG	04												

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

Water for Jeff

MAX. DEPTH = m

CIRC SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PB2

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
262	57	8.18	N	170	28.34	W	17	AUG	04	15	43	.	.									55	
							Local Date & Time =	AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	52		2621	1	✓					
2	40			2	✓					
3	30			3	✓					
4	20			4	✓					
5	10			5	✓					
6	0			6	✓					
7										
8										
9										
10										
11										
12										
bucket										

54573

5A noon P27

Mooring 5A

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P133

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
263	57	8.09	N	170	33.29	W	17	AUG	04	16	10	.	.									62	
				Local Date & Time =				AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	58			7						
2	50			8						
3	40			9						
4	30			10						
5	20			11						
6	10	Do								
7	10	Dont Use			dirrit do nutrient				00	75
8	10									
9	10									
10	0			12						
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PB4

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
264	57	8.09	N	170	38.27	W	17	AUG	04	16	48	.	.									71	
Local Date & Time =								AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	65		✓	13						
2	50			14	✓					
3	40			15	✓					
4	30			16	✓					
5	20			17	✓					
6	10			18	✓					
7	0			19	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P135

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	26	57 8.11	N	170	43.55	W	17	AUG	04	17	17	.	.									79	
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

cell counts

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	72			20						
2	50			21	✓					
3	40			22	✓					
4	30			23	✓					
5	20			24	✓					
6	10			25	✓					
7	0			26	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P36

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
266	57	8.16 N	170	48.52 W	17	AUG	04	17	52	.	.									85	
				Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	77		✓	27						
2	50			28	✓					
3	40			29	✓					
4	30			30	✓					
5	20			31	✓					
6	10			32	✓					
7	0			33	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P37

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
267	57	8.08	N	170	53.63	W	17	AUG	04	18	24	.	.									88	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	82			34						
2	50			35	✓					
3	40			36	✓					
4	30			37	✓					
5	20			38	✓					
6	10			39	✓					
7	0			40	✓					
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P138

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
268	57	8.13	N	170	3.79	W	17	AUG	04	19	15	.	.									95	
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	90			41						
2	75			42						
3	50			43	✓					
4	40			44	✓					
5	30			45	✓					
6	20			46	✓					
7	10			47	✓					
8	0			48	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P39

CONSC CAST #	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	26	57 8.05 N	171 14.05 W		17	AUG	04	20	03	.	.									100	

Local Date & Time = AUG 04

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

CIBC SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	98			49						
2	75			50						
3	50			51						
4	40			52						
5	30			53						
6	20			54						
7	11			55						
8	11									
9	11									
10	0			56						
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PB9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	27	57 8.10	N	171	14.00	W	17	AUG	04	20	20	.	.									100	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

prod

MAX. DEPTH = m

SEQ.	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS: SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	13			~~49~~						
2	✓									
3	✓									
4	sfc									
5										
6										
7										
8										
9										
10										
11										
12	✓									
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P39

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
271	57	8.15	N	171	13.95	W	17	AUG	04	20	37	.	.									100	

Local Date & Time = AUG 04

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

N15

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	~~19~~			~~57~~						
2	19			57 1						
3	15			58 2						
4	12			59 3						
5	10			60 4						
6	7			61 5						
7	5			62 6						
8	3			63 7						
9	SFc			64 8						
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PB10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
272	57	8.03	N	171	24.58	W	17	AUG	04	21	34	.	.									104	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	96		272-1	65						
2	75			66						
3	50			67	✓					
4	40			68	✓					
5	30			69	✓					
6	20			70	✓					
7	10			71	✓					
8	0			72	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		13B11

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	57	8.04	N	171	34.53	W	17	AUG	04	22	18	.	.									106	
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME		REMARKS
PRESS SN		DATA ON			
PRI TEMP SN		START DOWN			
SEC TEMP SN		AT DEPTH			
PRI COND SN		AT SURFACE			MAX. DEPTH = m
SEC COND SN		☐ PAR S/N		☐ FLUOR S/N	

CIDC SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. r	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	99			73						
2	75			74						
3	50			75	✓					
4	40			76	✓					
5	30			77	✓					
6	20			78	✓					
7	10			79	✓					
8	0			80	✓					
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PB12

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	57	8.15	N	171	45.06	W	17	AUG	04	23	09	.	.									108	
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot.	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	102			81						
2	75			82						
3	50			83	✓					
4	40			84	✓					
5	40			—		trip/	mark	problem		
6	40			—						
7	30			85	✓					
8	20			86	✓					
9	10			87	✓					
10	0			88	✓					
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		PB13

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (ami) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
275	57	8.15	N	171	54.98	W	17	AUG	04	235		.	.									111	
							Local Date & Time =	AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS

MAX. DEPTH = m

SEQ.	DESIRED DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	100			89						
2	75			90						
3	50			91						
4	40			92						
5	30			93						
6	20			94						
7	15			95						
8	10			96						
9	5			97						
10	0			98						
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		P313

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
276	57	8.09	N	171	54.98	W	18	AUG	04	00	21	.	.									111	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	5									
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SES10

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
277	56	54.05	N	166	48.01	W	18	AUG	04	19	28	.	.									74	
							Local Date & Time =																

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	70		✓	1						
2	50			2						
3	40			3						
4	30			4						
5	20			5						
6	10			6						
7	0			7						
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SES 9

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	27	56 44.00	N	166 58.16		W	18	AUG	04	20	47	.	.									88	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	82			8						
2	50			9						
3	40			10						
4	30			11						
5	20			12						
6	10			13						
7	0			14						
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SES8

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	279	5634.09	N	167	8.30	W	18	AUG	04	2206		.	.									102	
							Local Date & Time =			AUG 04													

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	96		✓	15						
2	75			16						
3	50			17						
4	40			18						
5	30			19						
6	20			20						
7	10			~~21~~						
8	10			21						
9	~~0~~	7.								
10	0			22						
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SES 7

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	280	5624.07	N	167	18.21	W	18	AUG	04	23	27	.	.										
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	105			23						
2	75			24						
3	50			25						
4	40			26						
5	30			27						
6	20			28						
7	10			29						
8	0			30						
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		5E56

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	28	56	14.05 N	167	28.12 W		19	AUG	04	00	52	.	.									130	
Local Date & Time =								AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER Calcco	COMMENTS
1	125			31						
2	100			32						
3	75			33						
4	50			34						
5	40			35						
6	30			36						
7	20			37						
8	10			38						
9	0			39						
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		SES 5.5

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
282	56	9.67	N	167	33.71	W	19	AUG	04	01	39	.	.									139	
							Local Date & Time =	AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ.	DESIRED DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1	129			40						
2	100			41						
3	75			42						
4	50			43						
5	40			44						
6	30			45						
7	20			46						
8	10			47						
9	0			48						
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		KRY9 (Unimak)

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
283	54	28.28	N	165	43.88	W	19	AUG	04	13	35	.	.									356	
						Local Date & Time =		AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1										No Samples
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		KRY 6

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	28	54 25.69	N	165	38.25	W	19	AUG	04	14	16	.	.									121	
							Local Date & Time =			AUG	04												

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		KRY05

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	285	5424.88	N	16536.58		W	19	AUG	04	1436		.	.									105	
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N _____	☐ FLUOR S/N _____

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		KR4Y04

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	286	5423.98	N	16534.83		W	19	AUG	04	1457		.	.									86	
Local Date & Time =								AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		KR403

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	287	5422.89	N	165	32.86	W	19	AUG	04	15	18	.	.									138	
						Local Date & Time =		AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		KRY02

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
	28	5422.19	N	165	31.29	W	19	AUG	04	15	40	.	.									115	
				Local Date & Time =				AUG	04														

SBE 9+		TIMES	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										

PG ___ OF ___

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX288	Pribilof		KR401

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE JD= DAY	MO	YR	TIME (GMT) HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt) *	TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
289	54	21.35	N	165	29.64	W	19	AUG	04	16	00	.	.						1	4	0		
					Local Date & Time =			AUG	04														

SBE 9+		**TIMES**	JD/TIME
PRESS SN		DATA ON	
PRI TEMP SN		START DOWN	
SEC TEMP SN		AT DEPTH	
PRI COND SN		AT SURFACE	
SEC COND SN		☐ PAR S/N	☐ FLUOR S/N

REMARKS

MAX. DEPTH = m

SEQ. DESIRED	DEPTH	ROSETTE POSITION	SAMPLE BOTTLE NUMBERS SALT	NUTRIENTS	CHL. Bot. n	CHL. VOL.	S-Frac. CHL	S-F CHL-VOL	OTHER	COMMENTS
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
bucket										