

VESSEL		CRUISE ID		PROJECT & LEG		FILE NAME		STATION NO. or alt. name									
NOAA R/V Oscar Dyson		DY1309		GOA-IERP Sept 2013		CTD 001		401									
CONSECUTIVE CAST # (CTD#)	DEG	LATITUDE MIN	DEG	LONGITUDE MIN	DATE (GMT)	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
0	215	702.61	N	15253.42	24	23	13	8.7	11.2	0	0	086	11	0		92	HL 101
AKST Date and Time = 24 Sep 13 15:13																	
REMARKS																	
MAX. DEPTH = 85 m																	
SBE 9+				FLUOR S/N													
PRESS SN	94	SN 07772		SBE43-Oxy (prime)													
PRI TEMP SN	41	SN 2985															
SEC TEMP SN	31	SN 2396		Transducer													
PRI COND SN	41	SN 3123		PAR S/N													
SEC COND SN	31	SN 4379															
Niskin No.	DEPTH DESIRED	Rosette Notes	Sal Btl #	Nut Btl #	O ₂ Btl #	PROD EXP	Chl. Btl #	Phyto Btl #	MZ Bottle #	Comments	NIS No.						
1	75		269	2259			L12		4		1						
2	50			2260			L13				2						
3	40			2261			L14				3						
4	30			2262			L15		3		4						
5	20	No pin		2263			L16		2		5						
6	10	No pin		2264			L17	1	1		6						
7	0			2265							7						
8											8						
9											9						
10											10						
11											11						
12											12						

SST =

SSSal =

VESSEL		CRUISE ID		PROJECT & LEG		FILE NAME		STATION NO. or alt. name												
NOAA R/V Oscar Dyson		DY1309		GOA-ERP Sept 2013		CTD002		402												
CONSECUTIVE CAST # (CTD#)	DEG	LATITUDE MIN	DEG	LONGITUDE MIN	DAY	MO	YR	HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
0256	49.19	N	15227	81	25	SEP	13	10	10	10.4		00	*	*	206	28	*	*	0175	HP181
AKST Date and Time = 25 Sep 13 10										MAX. DEPTH = 166 m										
SBE 9+ _____										REMARKS										
PRESS SN _____										FLUOR S/N _____										
PRI TEMP SN _____										SBE43-Oxy (prime) _____										
SEC TEMP SN _____										Transmissometer _____										
PRI COND SN _____										PAR S/N _____										
SEC COND SN _____										Prod Exp										
Niskin No.	DEPTH DESIRED	Rosette Notes	Sal Btl #	Nut Btl #	O ₂ Btl #	PROD EXP	Chl. Btl #	Phyto Btl #	NZ Bottle #	Comments	NIS No.									
1	166				2266315						1									
2	100				2267						2									
3	50				2268		S3		5		3									
4	40				2269		S4				4									
5	30				2270		S6		6		5									
6	20				2271		S6		7		6									
7	15					X	S7				7									
8	12					X	S8				8									
9	10				2272		S9	2	8		9									
10	6					X	S10				10									
11	4					X	S11				11									
12	0				2273	X	S12				12									

SST=

SSSal=

VESSEL		NOAA R/V Oscar Dyson		CRUISE ID		DY1309		PROJECT & LEG		GOA-IERP Sept 2013		FILE NAME		CTD 063		STATION NO. or alt. name		404															
CONSECUTIVE		CAST # (CTD#)		LATITUDE		LONGITUDE		DATE (GMT)		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		WIND DIRN. (deg)		WIND SPD. (kts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID			
9		03563471N		1526254W		25 SEP 13		2253		9.5		11.1		01		x		x		225		25		x		x		0102M181		1			
SBE 9+		PRESS SN		SBE43-Oxy (prime)		FLUOR S/N		Transducer		PAR S/N		SEC COND SN		Rosette Notes		Hydro Team-PMEL		PROD EXP		Strom/Fredrickson		Comments		MAX. DEPTH = 90 m									
1		90				2294																											
2		70				2295																											
3		50				2296																											
4		40				2297																											
5		30				2298																											
6		20				2299																											
7		10				2280																											
8		0				2281																											
9																																	
10																																	
11																																	
12																																	

SST=

SSSal=

VESSEL		CRUISE ID		PROJECT & LEG		FILE NAME		STATION NO. or alt. name								
NOAA R/V Oscar Dyson		DY1309		GOA-IERP Sept 2013		CT00004		405								
CONSECUTIVE CAST # (CTD#)	LATITUDE	LONGITUDE	DATE (GMT)	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
004	51.17.35 N	152.28.64 W	26 Sep 13	1802	10.0	79%	05	x	x	264	10	x	x	x	8641285	
AKST Date and Time = 26 Sep 13																
REMARKS																
Prod Exp																
MAX. DEPTH = 79 m																
SBE 9+	FLUOR S/N		SBE43-Oxy (prime)													
PRESS SN	SBE43-Oxy (prime)		Transducer													
PRI TEMP SN	PAR S/N		SEC COND SN													
SEC TEMP SN	SEC COND SN		Niskin No.													
PRI COND SN	Rosette Notes		Hydro Team-PMEL		PROD EXP		Strom/Fredrickson		Comments							
DEPT#	DEPTH DESIRED	Sal Btl #	Nut Btl #	O ₂ Btl #	Chl. Btl #	Phyto Btl #	MZ Bottle #									NIS No.
1	178		2282		S2											1
2	50		2283		S3											2
3	40	leaking	2284		S4											3
4	30		2285		S5											4
5	25				S6											5
6	20		2286		S7											6
7	10		2287		S8											7
8	6				S9											8
9	Ø		2288	314												9
10																10
11																11
12																12

SST=

SSS=

02 3'14 surface

HP-185

VESSEL		CRUISE ID		PROJECT & LEG		FILE NAME		STATION NO. or alt. name												
NOAA R/V Oscar Dyson		DY1309		GOA-IRP Sept 2013		CTD 605		406												
CONSECUTIVE CAST # (CTD#)	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
00557	03	23	15	20	22	09	2013	13	20	05	10.4	05	S	X	25	3.4	X	X	74	HP185
REMARKS: _____ SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ Transmissometer _____ SEC TEMP SN _____ PAR S/N _____ SEC COND SN _____																				
AKST Date and Time =										MAX. DEPTH = 05 m										
Niskin No.	DEPTH DESIRED	Rosette Notes	Sal Btl #	Nut Btl #	O ₂ Btl #	PROD EXP	Chl. Btl #	Phyto Btl #	MZ Bottle #	Comments	Nis No.									
1	65			2289			S2				1									
2	50			2290			S3				2									
3	40	WORKING		2291			S4				3									
4	30			2292			S5				4									
5	20			2293			S6				5									
6	10			2294			S7				6									
7	0	WORKING	271	2295			S7				7									
8											8									
9											9									
10											10									
11											11									
12											12									

SST =

SSSal =

VESSEL		CRUISE ID		PROJECT & LEG		FILE NAME		STATION NO. or alt. name												
NOAA R/V Oscar Dyson		DY1309		GOA-IERP Sept 2013		CTD 006		407												
CONSECUTIVE CAST # (CTD#)	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
006	5.6	49.39	N	151.37	32	W	27	SEP	13	01	01	8.3	03	x	210	24	x	x	SIL	HT1185
AKST Date and Time = 26 SEP 13																				
REMARKS																				
MAX DEPTH = 201 m																				
SBE 9+	FLUOR S/N																			
PRESS SN	SBE43-Oxy (prime)																			
SEC TEMP SN	Transducer																			
PAR COND SN	PAR S/N																			
SEC COND SN																				
Niskin No.	DEPTH DESIRED	Rosette Notes			Hydro Team-PMEL			PROD EXP	Strom/Fredrickson			Comments			NIS No.					
1	200																			1
2	100																			2
3	50																			3
4	40																			4
5	30																			5
6	20																			6
7	10																			7
8	Ø																			8
9																				9
10																				10
11																				11
12																				12

SST = SSSal =

VESSEL: NOAA R/V Oscar Dyson CRUISE ID: DY1309 PROJECT & LEG: GOA-JERP Sept 2013 FILE NAME: CTD 007 STATION NO. or alt. name: 408

CONSECUTIVE CAST # (CTD#)	LATITUDE	LONGITUDE	DATE (GMT)	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
0075	209.14 N	15237.30 W	04T 13	1001				X	X			X	X	117	WMB 01

AKST Date and Time = 1 3

REMARKS: *Carvera drop CTD*
multibeam

MAX. DEPTH = 8390 m

SBE 9+ _____ FLUOR S/N _____
 PRESS SN _____ SBE43-Oxy (prime) _____
 PRI TEMP SN _____ Transmissometer _____
 SEC TEMP SN _____ PAR S/N _____
 SEC COND SN _____

Niskin No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL			PROD EXP	Strom/Fredrickson			Comments	Nis No.
			Sal Bit #	Nut Bit #	O ₂ Bit #		Chl. Bit #	Phyto Bit #	MZ Bottle #		
1											1
2											2
3											3
4											4
5											5
6											6
7											7
8											8
9											9
10											10
11											11
12											12

SST = _____ SSSal = _____

VESSEL		CRUISE ID		PROJECT & LEG		FILE NAME		STATION NO. or alt. name								
NOAA R/V Oscar Dyson		DY1309		GOA-IRP Sept 2013		CTD 008		409								
CONSECUTIVE CAST # (CTD#)	LATITUDE	LONGITUDE		DATE (GMT)	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
008	5.731	152.02.25		13 SEP 13	1727	8.0		97			31	15			7.1	HL189
AKST Date and Time = 27 Sep 13																
REMARKS																
MAX. DEPTH = 62 m																
SBE 9+	FLUOR S/N															
PRESS SN	SBE43-Oxy (prime)															
PRI TEMP SN	Transmissometer															
SEC TEMP SN	PAR S/N															
PRI COND SN																
SEC COND SN																
Niskin No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL Sal Btl #	Nut Btl #	O ₂ Btl #	PROD EXP	Strom/Fredrickson Chl. Btl #	Phyco Btl #	MZ Bottle #	Comments	NIS No.					
1	62		272	2304			S2				1					
2	50			2305			S3				2					
3	40			2306			S4				3					
4	30			2307			S5				4					
5	20			2308			S6				5					
6	15					X	S7				6					
7	11					X	S8				7					
8	10			2309			S9				8					
9	10					X	S10				9					
10	3					X	S11				10					
11	0			2310		X					11					
12											12					

pick up + put from Travel Sampling in water at

VESSEL		CRUISE ID		PROJECT & LEG		FILE NAME		STATION NO. or alt. name							
NOAA R/V Oscar Dyson		DY1309		GOA-IERP Sept 2013		CTD 009		411							
CONSECUTIVE CAST # (CTD#)	LATITUDE	LONGITUDE	DATE (GMT)	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
00957	18.25 N	134.73 W	22 SEP 13	2142	28.9	28.7	70	3	3	340	24	0		89	H9189
SBE 9+ _____ FLUOR S/N _____ PRESS SN _____ SBE43-Oxy (prime) _____ PRI TEMP SN _____ Transmissometer _____ SEC TEMP SN _____ PAR S/N _____ SEC COND SN _____															
AKST Date and Time = 20 SEP 13 REMARKS Swells MAX. DEPTH = 60 m															
Niskin No.	DEPTH DESIRED	Rosette Notes	Sal Bil #	Nut Bil #	O ₂ Bil #	PROD EXP	Chl. Bil #	Phyto Bil #	MZ Bottle #	Comments	NIS No.				
1	60			2311							1				
2	50			2312							2				
3	40			2313							3				
4	30			2314							4				
5	20			2315							5				
6	10			2316							6				
7	0			2317	312						7				
8											8				
9											9				
10											10				
11											11				
12											12				

SST =

SSSal =

VESSEL		CRUISE ID		PROJECT & LEG		FILE NAME		STATION NO. or alt. name	
NOAA R/V Oscar Dyson		DY1309		GOA-IERP Sept 2013		CTD 010		UNSURE - alt	
CONSECUTIVE CAST # (CTD#)		LATITUDE		LONGITUDE		DATE (GMT)		TIME (GMT)	
010		58°09'33"N		152°13'56"W		28 SEPT 13		13 14	
DEG MIN		DEG MIN		DAY MO		YR		HR MIN	
010 58 09 33		152 13 56		28 09		13		13 14	
AKST Date and Time = 28		1 3 06		REMARKS		MAX. DEPTH = 184 m			
SBE 9+		FLUOR S/N		SBE43-Oxy (prime)		Transmissometer		PAR S/N	
PRESS SN		SBE43-Oxy (prime)		Transmissometer		PAR S/N			
PRI TEMP SN		PAR S/N							
SEC TEMP SN									
PRI COND SN									
SEC COND SN									
Niskin No.		Rosette Notes		Hydro Team-PMEL		PROD EXP		Stromy/Fredrickson	
DEPT#		Sal Btl #		Nut Btl #		O ₂ Btl #		Chl. Btl #	
1		273						Phyto Btl #	
2								MZ Bottle #	
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

Bottom Typing + Camera
Drop CTD IZIFUT Bay

Camera Drop CTD
Salt Samples only

jodi
412
m802
412

SST =
SSSB =

VESSEL: NOAA R/V Oscar Dyson | CRUISE ID: DY1309 | PROJECT & LEG: GOA-IERP Sept 2013 | FILE NAME: CTD011 | STATION NO. or alt. name: 413

CONSECUTIVE CAST # (CTD#)	LATITUDE			LONGITUDE			DATE (GMT)			TIME (GMT)			DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(kts)	*	*	*	*	(m)			
011	57	59	85	152	01	08	W	28	SEP	13	19	18	8.8	1.1	87	x	x	29	05	x	x	x	178	HH 93

AKST Date and Time = 13 11/18

REMARKS

MAX DEPTH = 167 m

SBE 9+ _____ FLUOR S/N _____
 PRESS SN _____ SBE43-Oxy (prime) _____
 PRI TEMP SN _____ Transmissometer _____
 SEC TEMP SN _____ PAR S/N _____
 PRI COND SN _____
 SEC COND SN _____

Niskin No.	DEPTH DESIRED	Rosette Notes			Hydro Team-PMEL			PROD EXP	Strom/Fredrickson			Comments	Nis No.
		Sal Btl #	Nut Btl #	O ₂ Btl #	chl. Btl #	Phyto Btl #	MZ Bottle #						
1	167		2318										1
2	100		2319										2
3	50		2320								13		3
4	40		2321										4
5	30		2322								14		5
6	22												6
7	20		2323								15		7
8	17												8
9	10		2324								16		9
10	9												10
11	5												11
12	0		2325										12

SST =

SSSal =

Prod. *[Signature]*

VESSEL: NOAA R/V Oscar Dyson | CRUISE ID: DY1309 | PROJECT & LEG: GOA-IERP Sept 2013 | FILE NAME: CTD 012 | STATION NO. or alt. name: 414

CONSECUTIVE CAST # (CTD#)	LATITUDE			LONGITUDE			DATE (GMT)			TIME (GMT)			DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
012	57	46	40 N	151	36	70 W	28	SEP	1	3	23	52	7.4		85	x	x	31	225	x	x		51	41493

AKST Date and Time = 1 3

REMARKS

MAX. DEPTH = 41 m

SBE 9+ _____ FLUOR S/N _____

PRESS SN _____ SBE43-Oxy (prime) _____

PRI TEMP SN _____ Transmissometer _____

SEC TEMP SN _____ PAR S/N _____

SEC COND SN _____

Niskin No.	DEPTH DESIRED	Rosette Notes	Hydro Team-PMEL			PROD EXP	Strom/Fredrickson			Comments	Nis No.
			Sal Btl #	Nut Btl #	O ₂ Btl #		Chl. Btl #	Phyto Btl #	MZ Bottle #		
1	40			2326			S1		17		1
2	30			2327			S2		18		2
3	20			2328			S3		19		3
4	10			2329			S4	5	20		4
5	8			2330			S5				5
6											6
7											7
8											8
9											9
10											10
11											11
12											12

SST = _____ SSSal = _____

VESSEL		CRUISE ID		PROJECT & LEG		FILE NAME		STATION NO. or alt. name														
NOAA R/V Oscar Dyson		DY1309 - Leg 2		GOA-IERP Oct 2013		CTD001		13KEP-41A														
CONSECUTIVE CAST # (CTD#)	DEG	MIN	LONGITUDE	DEG	MIN	DAY	MO	YR	HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
00159	01	37	N 151	54	65	27	OCT	13	02	56	8.5		2.4	*	*	097	29	*	*	*	196	
AKST Date and Time = 13 REMARKS: Fluor S/N 868, SBE43-Oxy (prime) 0904, 1961, Transmissometer PAR S/N 70881, Altimeter installed. MAX. DEPTH = 190 m.																						
Niskin No.	DEPTH DESIRED	Rosette Notes	Sal Btl #	Nut Btl #	O ₂ Btl #	PROD EXP	Chi. Btl #	Phyto Btl #	INZ Bottle #	Comments	NIS No.											
1	DTM		234	2331							1											
2	100			2332							2											
3	75			2333							3											
4	50			2334							4											
5	40			2335							5											
6	30			2336							6											
7	20			2337							7											
8	10			2338							8											
9	surf			2339							9											
10											10											
11											11											
12											12											

SST = SSSal =

VESSEL		CRUISE ID		PROJECT & LEG		FILE NAME		STATION NO. or alt. name			
NOAA R/V Oscar Dyson		DY1309 - Leg 2		GOA-IERP Oct 2013		CTD002		13 IIP-1A			
CONSECUTIVE	LATITUDE	LONGITUDE	DATE (GMT)	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY		
002	58°15'02"N	136°54'81"W	30 OCT 13	0602	8.4		08	*	*		
DEG	MIN	MIN	DAY	MO	HR	MIN	(mb)				
AKST Date and Time = 13											
REMARKS											
SBE 9+ SW 0772 FLUOR S/N 868											
PRESS SN 9T SW 0772 SBE43-Oxy (prime) 0904											
PRI TEMP SN 3T SW 2376 Transmissionometer 1961											
SEC TEMP SN 4C SW 4379 PAR S/N 70281											
PRI COND SN 4C SW 2985											
SEC COND SN 4C SW 3127											
ALTIMETER installed											
MAX. DEPTH = 147 m											
Niskin No.	DEPTH DESIRED	Rosette Notes	Sal Bt #	Nut Bt #	O ₂ Bt #	PROD EXP	Strom/Fredrickson	Chl. Bt #	Phyto Bt #	MZ Bottle #	Comments
1	8.5	7		2340	323						
2	100			2341							
3	75			2342							
4	55			2343							
5	40			2344							
6	30			2345							
7	20			2346							
8	10			2347							
9	0			2348							
10											
11											
12											

SST=

SSSa=

VESSEL		CRUISE ID		PROJECT & LEG		FILE NAME		STATION NO. or alt. name								
NOAA R/V Oscar Dyson		DY1309 - Leg 2		GOA-IERP Oct 2013		CTD 003		13-CSP-1A								
CONSECUTIVE	LATITUDE	LONGITUDE	DATE (GMT)	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
00358	08 90 N	136 34 59 W	13 Oct 13	1800	7.6		97	*	*	055	21	*	*	*	3/6	
AKST Date and Time = 13																
REMARKS																
Middle Cross Sand																
MAX. DEPTH = 298 m																
SBE 9+ SN	0772	FLUOR S/N	868													
PRESS SN	97 SW 0772	SBE43-Oxy (prime)	0904													
PRI TEMP SN	37 SW 2376	Transducer	1961													
SEC TEMP SN	37 SW 4379	PAR S/N	70281													
PRI COND SN	46 SW 2985	Altimeter installed														
SEC COND SN	46 SW 223															
Niskin No.	DEPTH DESIRED	Rosette Notes	Sal Bt #	Nut Bt #	O ₂ Bt #	PROD EXP	Strom/Fredrickson	Chl. Bt #	Phyto Bt #	MZ Bottle #	Comments	Nis No.				
1	84		276	2349	322							1				
2	100			2350								2				
3	75			2351								3				
4	50			2352								4				
5	40			2353								5				
6	30			2354								6				
7	20			2355								7				
8	10			2356								8				
9	0			2357								9				
10												10				
11												11				
12												12				

SST=

SSS=

VESSEL		CRUISE ID		PROJECT & LEG		FILE NAME		STATION NO. or alt. name		
NOAA R/V Oscar Dyson		DY1309 - Leg 2		GOA-IERP Oct 2013		CTD 004		1305-134		
CONSECUTIVE	LATITUDE	LONGITUDE	DATE (GMT)	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	
CAST # (CTD#)	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	*	*	
00457	49 32 N	136 40 03 W	31 OCT 13	0204	10.0	9.7	97	x	x	
AKST Date and Time =		1 3		MAX DEPTH = 122 m						
SBE 9+ SN	0772	FLUOR S/N	868	REMARKS Post Recovery						
PRESS SN	9t sw 0772	SBE43-Dry (prime)	0904							
PRI TEMP SN	3t sw 2376	Transmissometer	1961							
SEC TEMP SN	3t sw 4379	PAR S/N	70281							
PRI COND SN	4c sw 2985	Altimeter installed								
SEC COND SN	4c sw 3127									
Niskin No.	DEPTH DESIRED	Rosette Notes	Sal Bt #	Nut Bt #	O ₂ Bt #	PROD EXP	Chl. Bt #	Phyto Bt #	MZ Bottle #	Comments
1	122			2358						
2	100			2359						
3	75			2360						
4	50			2361						
5	40			2362						
6	30			2363						
7	20			2364						
8	10		277	2365	321					
9	0			2366						
10										
11										
12										

SST =

SSS_{ref} =

VESSEL		NOAA R/V Oscar Dyson		CRUISE ID		DY1309 - Leg 2		PROJECT & LEG		GOA-IERP Oct 2013		FILE NAME		CTD 005		STATION NO. or alt. name		1305-12A																	
CONSECUTIVE		CAST # (CTD#)		LATITUDE		LONGITUDE		DATE (GMT)		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (kts)		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
005		5724		22 N		13610.37 W		OCT 13		1546		9.2		.		06		* * *		* * *		227		18		* * *		* * *		124					
								AKST Date and Time =		1 3		0746																							
SBE 9+ SN		0772		FLUOR S/N		868		REMARKS		Pre Recovery																									
PRESS SN		97 SW 0772		SBE43-Oxy (prime)		0904																													
PRI TEMP SN		37 SW 2376		Transmissometer		1961																													
SEC TEMP SN		46 SW 4379		PAR S/N		70281																													
PRI COND SN		46 SW 2485		ALTIMETER installed																															
SEC COND SN		46 SW 3127																																	
Niskin No.		DEPTH DESIRED		Rosette Notes		Sal Bt #		Nut Bt #		O ₂ Bt #		PROD EXP		Chl. Bt #		Phyto Bt #		MZ Bottle #		Comments		NIS No.													
1		117						2367		320												1													
2		75						2368														2													
3		50						2369														3													
4		40						2370														4													
5		30						2371														5													
6		20						2372														6													
7		10				278		2373														7													
8		0						2374														8													
9																						9													
10																						10													
11																						11													
12																						12													

SST=

SSS=

MAX DEPTH = 117 m

VESSEL		CRUISE ID		PROJECT & LEG		FILE NAME		STATION NO. or alt. name															
NOAA R/V Oscar Dyson		DY1309 - Leg 2		GOA-IERP Oct 2013		CTD data		1309-11A															
CONSECUTIVE CAST # (CTD#)	DEG	MIN	LONGITUDE	DEG	MIN	DAY	MO	YR	HR	MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
006	56	23	73 N	135	08	18	W	01	Nov	13	00	18	9.3	1	1	18	255	18	x	x	x	126	
SBE 9+ SW		0772		FLUOR S/N		868		AKST Date and Time =		31		1		3		REMARKS		MAX. DEPTH =		120		m	
PRESS SN		97 SW 0772		SBE43-Oxy (primo)		1961		PAR S/N		70851		ALTIMETER installed		Post Recovery									
PRI TEMP SN		37 SW 2376		Transducer																			
SEC TEMP SN		46 SW 4379																					
PRI COND SN		46 SW 2985																					
SEC COND SN		46 SW 227																					
Niskin No.	DEPTH DESIRED	Rosette Notes	Sal Bt #	Nut Bt #	O ₂ Bt #	PROD EXP	Chl. Bt #	Phyto Bt #	MZ Bottle #	Comments	Nis No.												
1	120			2375	327						1												
2	75			2376							2												
3	50			2377							3												
4	40			2378							4												
5	30			2379							5												
6	20			2380							6												
7	10		279	2381							7												
8	0			2382							8												
9											9												
10											10												
11											11												
12											12												

SST = SSSalt =

Last CTD For Leg 2