VESSEL	PROJECT & LEG	STATION DESIGNATION
NOAA R/V *Oscar Dyson*	3a DY-18-07 Leg III Bering Sea Summer Pollock	

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BOTTOM DEPTH (m)	STA. NAME/ID
D36	59	10.49	N	172	25.48	W	28	JUL	18	10	02	93.28	

CTD		TIMES	GMT TIME
TYPE & SN		DATA ON	
PRESS SN	9+ S/N 0291	START DOWN	
PRI COND SN	4C S/N 2985	AT DEPTH	
PRI TEMP SN	3+ S/N 0188	AT SURFACE	
SEC COND SN	4C S/N 3127		
SEC TEMP SN	3+ S/N 0241		

REMARKS

MAX. DEPTH = 93.28 m

on primary T/C

- [X] PAR S/N 4603
- [X] FLNTURTD-2057
- [X] O2 S/N 01961
- [ ] O2 S/N (sec)
- [ ] Cleaned air bleed valve
- [X] ALTIMETER S/N 70547

POS.	TRIP DEPTH (m)	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SAMPLE BOTTLE NUMBER: SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL
							11			
1	Bottom (81.3)						33			
2	PAR & FLUROMETER LOCATION									
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	STATION DESIGNATION
NOAA R/V *Oscar Dyson*	DY-18-07 Leg 3a III Bering Sea Summer Pollock	

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BOTTOM DEPTH (m)	STA. NAME/ID
39	58	57.61	N	173	02.41	W	31	JUL	18	08	16	107.84	

CTD		TIMES	GMT TIME	REMARKS
TYPE & SN		DATA ON		
PRESS SN	9+ S/N 0291	START DOWN		
PRI COND SN	4C S/N 2985	AT DEPTH		
PRI TEMP SN	3+ S/N 0188	AT SURFACE		MAX. DEPTH = m
SEC COND SN	4C S/N 3127			
SEC TEMP SN	3+ S/N 0241			

on primary T/C

- [X] PAR S/N 4603
- [X] FLNTURTD-2057
- [X] O2 S/N 01961
- [ ] O2 S/N (sec)
- [ ] Cleaned air bleed valve
- [X] ALTIMETER S/N 70547

POS.	TRIP DEPTH (m)	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SAMPLE BOTTLE NUMBER: SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL
							11			
1	Surface (2.6m)						34			
2	PAR & FLUROMETER LOCATION									
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	STATION DESIGNATION
NOAA R/V *Oscar Dyson*	DY-18-07 Leg 3a III Bering Sea Summer Pollock	

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BOTTOM DEPTH (m)	STA. NAME/ID
42	60	56.13	N	174	11.20	W	03	~~JUL~~ AUG	18	08	23	84.48	

CTD		TIMES	GMT TIME
TYPE & SN		DATA ON	
PRESS SN	9+ S/N 0291	START DOWN	
PRI COND SN	4C S/N 2985	AT DEPTH	
PRI TEMP SN	3+ S/N 0188	AT SURFACE	
SEC COND SN	4C S/N 3127		
SEC TEMP SN	3+ S/N 0241		

REMARKS

MAX. DEPTH = m

on primary T/C

- [X] PAR S/N 4603
- [X] FLNTURTD-2057
- [X] O2 S/N 01961
- [ ] O2 S/N (sec)
- [ ] Cleaned air bleed valve
- [X] ALTIMETER S/N 70547

POS.	TRIP DEPTH (m)	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SAMPLE BOTTLE NUMBER: SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL
							11			
1	Bottom (75.5m)						35			
2	PAR & FLUROMETER LOCATION									
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	STATION DESIGNATION
NOAA R/V *Oscar Dyson*	3a DY-18-07 Leg III Bering Sea Summer Pollock	

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BOTTOM DEPTH (m)	STA. NAME/ID
	45	58 04.51	N	174 06.60	W		06	AUG	18	08	10	180.08	

CTD		TIMES	GMT TIME
TYPE & SN		DATA ON	
PRESS SN	9+ S/N 0291	START DOWN	
PRI COND SN	4C S/N 2985	AT DEPTH	
PRI TEMP SN	3+ S/N 0188	AT SURFACE	
SEC COND SN	4C S/N 3127		
SEC TEMP SN	3+ S/N 0241		

REMARKS

MAX. DEPTH = m

on primary T/C

- [X] PAR S/N 4603
- [X] FLNTURTD-2057
- [X] O2 S/N 01961
- [ ] O2 S/N (sec)
- [ ] Cleaned air bleed valve
- [X] ALTIMETER S/N 70547

POS.	TRIP DEPTH (m)	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SAMPLE BOTTLE NUMBER: SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL
							11			
1	Surface (2.15m)						36			
2	PAR & FLUROMETER LOCATION									
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	PROJECT & LEG	STATION DESIGNATION
NOAA R/V *Oscar Dyson*	3a DY-18-07 Leg III Bering Sea Summer Pollock	

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BOTTOM DEPTH (m)	STA. NAME/ID
48	61	07.25	N	175	38.02	W	09	AUG	18	1230		102.29	

CTD		TIMES	GMT TIME
TYPE & SN		DATA ON	
PRESS SN	9+ S/N 0291	START DOWN	
PRI COND SN	4C S/N 2985	AT DEPTH	
PRI TEMP SN	3+ S/N 0188	AT SURFACE	
SEC COND SN	4C S/N 3127		
SEC TEMP SN	3+ S/N 0241		

REMARKS

MAX. DEPTH = m

on primary T/C

- [X] PAR S/N 4603
- [X] FLNTURTD-2057
- [X] O2 S/N 01961
- [ ] O2 S/N (sec)
- [ ] Cleaned air bleed valve
- [X] ALTIMETER S/N 70547

POS.	TRIP DEPTH (m)	CTD CONVERTED MONITOR VALUES: PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY		SEC. SALINITY	SAMPLE BOTTLE NUMBER: SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL
								11			
1	Bottom (93.1 m)							37			
2	PAR & FLUROMETER LOCATION										
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1807	MACE Cruise	Bongo: RZA	S H

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
05	59	00.15	N	174	59.91	W	16	AUG (MAY)	18	10	34	08.6	084	1018	140	02	130	

SBE 9+	0291	Fluor/Turbity	FLNTUS-2057
PRESS SN	0291	SBE43-Oxy (prime)	1961
Pri Temp SN	4379	SBE43-Oxy (sec)	0904
Sec Temp SN	2376	Altimeter	4708
Pri Cond SN	042985	PAR S/N	70547
Sec Cond SN	043127		

Instrument Notes:

WEATHER OBS:

MAX. DEPTH = 125 m

REMARKS: Pycnocline @ 35m

Recorder Initials:

Nis No	Depth Desired	Rosette Notes	Hydro Team-PMEL Salt	Nut.Btl	O2-Btl.No		Chloro GFF Vol	Chloro >10µm-Eisaer					Comments	Nis No
1	BOT		38	391										1
2														2
3	100			392										3
4	75			393										4
5	60			394										5
6	50			395			283	X						6
7	40			396			285							7
8	30			397			283	X						8
9	20			398			289	X						9
10	10			399			279							10
11	0			400			283							11
12														12
1		Inline												1

VESSEL	PROJECT & LEG	STATION DESIGNATION
NOAA R/V *Oscar Dyson*	DY-18-07 Leg III B Bering Sea Summer Pollock	

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DATE (GMT) DAY	DATE (GMT) MO	DATE (GMT) YR	TIME (GMT) HR	TIME (GMT) MIN	BOTTOM DEPTH (m)	STA. NAME/ID	TRANSECT NUMBER
051	58	41.11	N	174	53.86	W	16	AUG	18	18	35	185.9	L-28	23

CTD		TIMES	GMT TIME
TYPE & SN		DATA ON	
PRESS SN	9+ S/N 0291	START DOWN	
PRI COND SN	4C S/N 2985	AT DEPTH	
PRI TEMP SN	3+ S/N 0188	AT SURFACE	
SEC COND SN	4C S/N 3127		
SEC TEMP SN	3+ S/N 0241		

REMARKS

MAX. DEPTH = m

on primary T/C

- [X] PAR S/N 4603
- [X] FLNTURTD-2057
- [X] O2 S/N 01961
- [ ] O2 S/N (sec)
- [ ] **Cleaned air bleed valve**
- [X] ALTIMETER S/N 70547

POS.	TRIP DEPTH (m)	CTD CONVERTED MONITOR VALUES: SALINITY	NUTRIENTS	CHLOROPHYLL A	OXYGEN	PLANKTON	SAMPLE BOTTLE NUMBER: SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL
							1			
1	Surface						39			
2	PAR & FLUROMETER LOCATION									
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.	
NOAAS Oscar Dyson	DY1807	MACE Cruise	Bongo: RZA	S	H

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
052	59	27.50	N	175	47.18	W	17	AUG (M A Y)	18	09	07	09.3	90	1017	260	08	137	

SBE 9+	0291	Fluor/Turbity	FLNTUS-2057
PRESS SN	0291	SBE43-Oxy (prime)	1961
Pri Temp SN	4379	SBE43-Oxy (sec)	0904
Sec Temp SN	2376	Altimeter	4708
Pri Cond SN	042985	PAR S/N	70547
Sec Cond SN	043127		

Instrument Notes:

WEATHER OBS:

MAX. DEPTH = 132 m

REMARKS: pycnocline @ 28m

Recorder Initials:

Nis No	Depth Desired	Rosette Notes	Hydro Team-PMEL Salt	Nut.Btl	O2-Btl.No		Chloro GFF Vol	Chloro >10µm - Eisner					Comments	Nis No
1	BOT			401										1
2														2
3	100			402										3
4	75			403										4
5	60			404										5
6	50			405			283							6
7	40			406			285							7
8	30			407			283	X						8
9	20			408			289	X						9
10	10			409			279	X						10
11	0			410			283							11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1807	MACE Cruise	Bongo: RZA	S 4 H 1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
053	59	26.29	N	175	37.63	W	17	AUG (MAY)	18	11	02	09.5	087	1018	268	07	137	

SBE 9+	0291	Fluor/Turbity	FLNTUS-2057
PRESS SN	0291	SBE43-Oxy (prime)	1961
Pri Temp SN	4379	SBE43-Oxy (sec)	0904
Sec Temp SN	2376	Altimeter	4708
Pri Cond SN	042985	PAR S/N	70547
Sec Cond SN	043127		

Instrument Notes:

WEATHER OBS:

MAX. DEPTH = 132 m

REMARKS: pycnocline @ 28m

battle II tripped at surface (2.1m), CTD log stopped mark, on accident.

G. Isner

Recorder Initials:

Nis No	Depth Desired	Rosette Notes	Hydro Team-PMEL Salt	Nut.Btl	O2-Btl.No		Chloro GFF Vol	Cuvette 710 nm					Comments	Nis No
1	BOT			411										1
2														2
3	100			412										3
4	75			413										4
5	60			414										5
6	50			415			283							6
7	40			416			285							7
8	30			417			283	X						8
9	20			418			289	X						9
10	10			419			279	X						10
11	0			420			283							11
12														12
1		Inline												1

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1807	MACE Cruise	Bongo: RZA	S 5 H 1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
054	61	12.66	N	176	29.63	W	18	AUG ~~MAY~~	18	10	03	10.2	95	1017	250	18	112	

SBE 9+	0291		Fluor/Turbity	FLNTUS-2057	
PRESS SN	0291		SBE43-Oxy (prime)	1961	
Pri Temp SN	4379		SBE43-Oxy (sec)	0904	
Sec Temp SN	2376		Altimeter	4708	
Pri Cond SN	042985		PAR S/N	70547	
Sec Cond SN	043127				

Instrument Notes:

WEATHER OBS:

MAX. DEPTH = 105 m

REMARKS: pycnocline @ 28m

bottle 9 was empty, no samples @ 10m

Recorder Initials:

Nis No	Depth Desired	Rosette Notes	Hydro Team-PMEL Salt	Nut.Btl	O2-Btl.No		Chloro GFF Vol	Chloro >10µm-Eisner					Comments	Nis No
1	BOT		40	421										1
2														2
3	75			422										3
4	60			423										4
5	50			424			283							5
6	40			425			285							6
7	30			426			283	X						7
8	20			427			289	X						8
9	10													9
10	0			428			283							10
11														11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1807	MACE Cruise	Bongo: RZA	S 6 H 1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
055	61	04.98	N	176	59.97	W	19	AUG (MAY)	18	07	55	10.0	94	1015	236	11	122	

	SBE 9+	0291		Fluor/Turbity	FLNTUS-2057
	PRESS SN	0291		SBE43-Oxy (prime)	1961
	Pri Temp SN	4379		SBE43-Oxy (sec)	0904
	Sec Temp SN	2376		Altimeter	4708
	Pri Cond SN	042985		PAR S/N	70547
	Sec Cond SN	043127			

Instrument Notes:

WEATHER OBS:

MAX. DEPTH = 117 m

REMARKS: Pycnocline @ 30m

Recorder Initials:

Nis No	Depth Desired	Rosette Notes	Hydro Team-PMEL Salt	Nut.Btl	O2-Btl.No		Chloro GFF Vol	Chlor 0 >10µm-Eisner					Comments	Nis No
1	BOT			429										1
2														2
3	100			430										3
4	75			431										4
5	60			432										5
6	50			433			283							6
7	40			434			285	X						7
8	30			435			283							8
9	20			436			289	X						9
10	10			437			279	X						10
11	0			438			283							11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1807	MACE Cruise	Bongo: RZA	S 8 H 1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
05	61	05.67	N	176	54.15	W	19	AUG	18	12	12	09.7	096	1014	225	11	120	

SBE 9+	0291	Fluor/Turbity	FLNTUS-2057
PRESS SN	0291	SBE43-Oxy (prime)	1961
Pri Temp SN	4379	SBE43-Oxy (sec)	0904
Sec Temp SN	2376	Altimeter	4708
Pri Cond SN	042985	PAR S/N	70547
Sec Cond SN	043127		

Instrument Notes:

WEATHER OBS:

MAX. DEPTH = 115 m

REMARKS: pycnocline @ 31m

Recorder Initials:

Nis No	Depth Desired	Rosette Notes	Hydro Team-PMEL Salt	Nut.Btl	O2-Btl.No		Chloro GFF Vol	Chloro >10um-Esmer					Comments	Nis No
1	BOT			439										1
2														2
3	100			440										3
4	75			441										4
5	60			442										5
6	50			443			283							6
7	40			444			285	X						7
8	30			445			283							8
9	20			446			289	X						9
10	10			447			279	X						10
11	0			448			283							11
12														12
I		Inline												I

↑ Vol big bottles ~290ml

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1807	MACE Cruise	Bongo: RZA	S 9 H 1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
	57	59.70	N	176	23.87	W	20	AUG	18	10	17	09.8	091	1003	158	16	135	

SBE 9+	0291	Fluor/Turbity	FLNTUS-2057
PRESS SN	0291	SBE43-Oxy (prime)	1961
Pri Temp SN	4379	SBE43-Oxy (sec)	0904
Sec Temp SN	2376	Altimeter	4708
Pri Cond SN	042985	PAR S/N	70547
Sec Cond SN	043127		

Instrument Notes:

WEATHER OBS:

MAX. DEPTH = 130 m

REMARKS: pycnocline @ 31m

Recorder Initials:

Nis No	Depth Desired	Rosette Notes	Hydro Team-PMEL Salt	Nut.Btl	O2-Btl.No		Chloro GFF Vol	Chloro >10µm - Eisner					Comments	Nis No
1	BOT		41	449										1
2														2
3	100			450										3
4	75			451										4
5	60			452										5
6	50			453			283							6
7	40			454			285							7
8	30			455			283							8
9	20			456			289	X						9
10	10			457			279	X						10
11	0			458			283							11
12														12
I		Inline												I

VESSEL	CRUISE ID	PROJECT & LEG		STATION NO.
NOAAS Oscar Dyson	DY1807	MACE Cruise	Bongo: RZA	S 10 H 1

CONSC CAST #	LATITUDE DEG	LATITUDE MIN		LONGITUDE DEG	LONGITUDE MIN		DAY	MO	YR	TIME (GMT) HR	TIME (GMT) MIN	DRY BULB (°C)	RH (%)	Pressure (mb)	WIND DIRN. (deg)	WIND SPD. (kts)	BOTTOM DEPTH (m)	STA. NAME/ID
058	59	31.33	N	176	32.28	W	20	AUG (MAY)	18	12	59	09.0	094	1002	141	21	137	

SBE 9+	0291	Fluor/Turbity	FLNTUS-2057
PRESS SN	0291	SBE43-Oxy (prime)	1961
Pri Temp SN	4379	SBE43-Oxy (sec)	0904
Sec Temp SN	2376	Altimeter	4708
Pri Cond SN	042985	PAR S/N	70547
Sec Cond SN	043127		

Instrument Notes:

WEATHER OBS:

MAX. DEPTH = 131 m

REMARKS: Pycnocline @ 32m

Recorder Initials:

Nis No	Depth Desired	Rosette Notes	Hydro Team-PMEL Salt	Nut.Btl	O2-Btl.No		Chloro GFF Vol	Chloro >10µm-Eisner					Comments	Nis No
1	BOT			459										1
2														2
3	100			460										3
4	75			461										4
5	60			462										5
6	50			463			283							6
7	40			464			285	X						7
8	30			465			283							8
9	20			466			289	X						9
10	10			467			279	X						10
11	0			468			283							11
12														12
1		Inline												1