	\/	'ESSEL			PROJECT & L	FC			CTATIO	N DECION	ATION
NO		V Oscar Dys	on l	DY-18-07 Leg			r Pollock		N DESIGNA	ATION	
140		v Oscar Dys		DI-10-07 Leg		Summe	TOILOCK		PMEL	MZ	
CONS CAST	# DEG	LATITUDE MIN \ 0.5\ N	LONGITUDE DEG MIN 16358.63	DATE (GMT) DAY MO YR V ZJ U N 1 8	(GMT) E	OTTOM DEPTH (m)	STA. NAME/ID				
CTD				GMT TIME	REMARKS						
TYPE	& SN		DATA ON								
PRESS		9+ S/N 0291	START DOWN								
	_	4C S/N 2985	AT DEPTH								
PRI TEI		3+ S/N 0188	AT SURFACE		MAX. DEPTH =	61	m				
	-	4C S/N 3127	711 001117102	**on primar		01					
	-		V								
SEC TE	MP SN	3+ S/N 0241	X PAR S/N 4603	X FLNTURTE	0-2057	X 02 S/N	01961	O2 S/N (se	ec)	Cleaned air blee	d valve
POS.	TRIP	-11	X ALTIMETER S/N 7	0547 CONVERTED MONIT	TOD VALUE				OAMBLE BOTT	I E III II II I	
			CIL	CONVERTED MONT	OR VALUES				SAMPLE BOTT	LE NUMBER	- 1
- 1	DEPTH (r	m)									
	DEPTH (r	m)									
¥	DEPTH (r	PRESSUR	E PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	П	SEC. SALINITY	SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL
1	SUY FULL	PRESSUR	E PRI. TEMP.	SEC. TEMP.	PRI. SALINITY		SEC. SALINITY		OXYGEN NO.	CHL (ml)	FLUORO
	,	PRESSUR	E PRI. TEMP.	SEC. TEMP.	PRI. SALINITY		SEC. SALINITY	SAL. NO.	OXYGEN NO.	CHL (ml)	FLUORO
1	,	PRESSUR	E PRI. TEMP.	SEC. TEMP.	PRI. SALINITY		SEC. SALINITY		OXYGEN NO.	CHL (ml)	FLUORO
1 2	,	PRESSUR	E PRI. TEMP.	SEC. TEMP.	PRI. SALINITY		SEC. SALINITY		OXYGEN NO.	CHL (ml)	FLUORO
1 2 3 4 5	,	PRESSUR	E PRI. TEMP.	SEC. TEMP.	PRI. SALINITY		SEC. SALINITY		OXYGEN NO.	CHL (ml)	FLUORO
1 2 3 4 5 6	,	PRESSUR	E PRI. TEMP.	SEC. TEMP.	PRI. SALINITY		SEC. SALINITY		OXYGEN NO.	CHL (ml)	FLUORO
1 2 3 4 5 6 7	,	PRESSUR	E PRI. TEMP.	SEC. TEMP.	PRI. SALINITY		SEC. SALINITY		OXYGEN NO.	CHL (ml)	FLUORO
1 2 3 4 5 6 7 8	,	PRESSUR	E PRI. TEMP.	SEC. TEMP.	PRI. SALINITY		SEC. SALINITY		OXYGEN NO.	CHL (ml)	FLUORO
1 2 3 4 5 6 7 8 9	,	PRESSUR	E PRI. TEMP.	SEC. TEMP.	PRI. SALINITY		SEC. SALINITY		OXYGEN NO.	CHL (ml)	FLUORO
1 2 3 4 5 6 7 8 9 10	,	PRESSUR	E PRI. TEMP.	SEC. TEMP.	PRI. SALINITY		SEC. SALINITY		OXYGEN NO.	CHL (ml)	FLUORO
1 2 3 4 5 6 7 8 9	,	PRESSUR	E PRI. TEMP.		PRI. SALINITY	ER LOCA			OXYGEN NO.	CHL (ml)	FLUORO

VESSEL			PROJECT & LE	G		OTATIO		
NOAA R/V Oscar Dys	son			ummer Pollock	STATION DESIGNATION Transect Line 8			
CONSC CAST # LATITUDE DEG MIN O 1 0 5 5 \ 2 . 4 6 N CTD TYPE & SN PRESS SN 9+ S/N 0291 PRI COND SN 4C S/N 2985	TIMES (DATA ON START DOWN	DATE (GMT) DAY MO YR V	TIME BOT (GMT) DEI HR MIN (r	TOM PTH STA. NAME/I	D			8
PRI COND SN 4C S/N 2985 PRI TEMP SN 3+ S/N 0188	AT DEPTH AT SURFACE		MAY DEDTU 13	D.				
SEC COND SN 4C S/N 3127	AT CONTACE	**on primar	MAX. DEPTH =	m m				
POS. TRIP DEPTH (m)	X PAR S/N 4603 X ALTIMETER S/N 70 CTD	X FLNTURTE 0547 CONVERTED MONIT		O2 S/N 01961	O2 S/N (s	SAMPLE BOTT	Cleaned air blee	d valve
PRESSUR	RE PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL
2					25	-		
3						-		
4						-		
5								
6								
7				*				
8						-		
9								
10								
11								
12		P/	AR & FLUROMETER I	OCATION				A 15 80 40

VESSEL			PROJECT & LE	G			I STATIO	N DECICA	IATION
NOAA R/V Oscar Dyso	on		I Bering Sea Summer Pollock				STATION DESIGNATION Groundfish AA-OH		
					I		GYOUNG	tish t	H-OT
CONSC CAST # LATITUDE DEG MIN D135419.46 N	LONGITUDE DEG MIN 16554.29 w	DATE (GMT) DAY MO YR 16 J U N 1 8	(GMT) DE	TTOM :PTH m) 23 \	STA. NAME/ID				
CTD	TIMES GN	MT TIME	REMARKS						
TYPE & SN	DATA ON		appro	X	Snm.	ALLIOL	1 from	1 44	-04
PRESS SN 9+ S/N 0291	START DOWN		design	THE	d enc	t Car	2 10	/ Reston	
PRI COND SN 4C S/N 2985	AT DEPTH	_	1-2 -	+0	8 nm d sipo	- 15	12 OP	CODITO	Q.7
PRI TEMP SN 3+ S/N 0188	AT SURFACE		MAX. DEPTH = 2	16	WEbi II	10	017 100	MOIL	
SEC COND SN 4C S/N 3127		**on primar		-10					
SEC TEMP SN 3+ S/N 0241	X PAR S/N 4603 X ALTIMETER S/N 705	X FLNTURTE		O2 S/N	01961	O2 S/N (se	ec)	Cleaned air ble	ed valve
POS. TRIP DEPTH (m)		CONVERTED MONIT	OR VALUES				SAMPLE BOTT	LE NUMBER	
PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY		SEC. SALINITY	SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL
1 Surface						26			
3									
4									
5									
6									
7									
8									
9									
11									
12		P	AR & FLUROMETER	LOCATI	ION				A STATE

VE	SSEL	T		PROJECT & LEG					STATION DESIGNATION		
	Oscar Dyson		DY-18-07 Leg	I Bering	Sea Sun	nmer	Pollock		Line	11	
DEG		LONGITUDE EG MIN O	DATE (GMT) DAY MO YR J U N 1 8	TIME (GMT) HR MIN	BOTTO DEPTI (m)		STA. NAME/ID	and the second			
CTD		TIMES G	MT TIME	REMARKS							
TYPE & SN	DAT	A ON									
PRESS SN 9	+ S/N 0291 STA	RT DOWN									
PRICOND SN 4	C S/N 2985 AT I	DEPTH									
PRITEMP SN 3	+ S/N 0188 AT S	SURFACE		MAX. DEPT	H=406	m	1				
SEC COND SN 4	C S/N 3127		**on primar	y T/C**			_	_			
SEC TEMP SN 3	+ S/N 0241	PAR S/N 4603	X FLNTURTE)-2057	X 02	2 S/N 0	1961	O2 S/N (se	ec)	Cleaned air bleed	d valve
	>	ALTIMETER S/N 70	547				_				
POS. TRIP DEPTH (m)	CTD	CONVERTED MONIT	OR VALUES	5				SAMPLE BOTT	LE NUMBER	
	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SAL	INITY	S	SEC. SALINITY	SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL
1 Botton	403)	1						27			
2	,										
3											
4	-										
6	-	-									
7											
8							E				
9											
10											
11											
12				AR & FLUR	OMETERI	OCATIO	ON				

CAST # LATITUDE		ESSEL	T		PROJECT & LEG		STATION DESIGNATION			
CAST #	NOAA R/V	Oscar Dyson		DY-18-07 Leg	l Bering Sea Su	ummer Pollock		Line	17	
TIMES GMT TIME REMARKS TYPE & SN PRESS SN 9+ S/N 0291 START DOWN PREI COND SN 4C S/N 2985 AT DEPTH PRI TEMP SN 3+ S/N 0281 AT SURFACE MAX. DEPTH = 2 34 m MAX. DEPTH = 2 34	DEG	MIN D	EG MIN	DAY MO YR	(GMT) DEF	PTH STA. NAME/II				
DATA ON	CTD		TIMES G	MT TIME	REMARKS					
PRI TEMP SN 3+ S/N 0188 AT SURFACE MAX. DEPTH = 2.34 m SEC COND SN 4C S/N 3127 SEC TEMP SN 3+ S/N 0241	TYPE & SN	DA	ΤΑ ΟΝ							
PRI TEMP SN 3+ S/N 0188 AT SURFACE MAX. DEPTH = 2.34 m SEC COND SN 4C S/N 3127 SEC TEMP SN 3+ S/N 0241	PRESS SN 9	+ S/N 0291 STA	ART DOWN							
PRI TEMP SN 3+ S/N 0188 AT SURFACE MAX. DEPTH = 2 3	_									
SEC COND SN 4C S/N 3127	_				MAX DEPTH = 2	34 m				
Name	_		OUTITIOE			· · · · · ·				
DEPTH (m) PRESSURE	-	+ S/N 0241	-	X FLNTURTE	parame	O2 S/N 01961	O2 S/N (se	ec)	Cleaned air bleed	l valve
PRESSURE PRI. TEMP. SEC. TEMP. PRI. SALINITY SEC. SALINITY SAL. NO. OXYGEN NO. CHL (ml) FLUORO LEVEL 1 SUYFOLE		1)	CTD	CONVERTED MONIT	OR VALUES			SAMPLE BOT	TLE NUMBER	
2			PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY		OXYGEN NO.	CHL (ml)	FLUORO
3 4 4 6 7 6 8 9 10 10		ce					28			
4										
5							-			
6 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9			-							
8 9 10 10 10 10 10 10 10 10 10 10 10 10 10										
9 10 10 10 10 10 10 10 10 10 10 10 10 10	7				~					
10	8			×						
	9									
11	10								·	
PAR & FLUROMETER LOCATION	Annual Control of Cont									

VESSEL	VESSEL PROJECT & LEG STATION DESIGNATION								
NOAA R/V Oscar Dys	on		I Bering Sea S		Pollock	PMEL M-4			
CONSC LATITUDE DEG MIN D 22 5 751.56 N	LONGITUDE DEG MIN 1	DATE (GMT) DAY MO YR W 23 J U N 1 8	(GMT) DEF	TOM PTH 11) 19.2	STA. NAME/ID				
СТД	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 =	3.7	n				
SEC TEMP SN 3+ S/N 0241	SEC COND SN 4C S/N 3127 **on primary T/C** SEC TEMP SN 3+ S/N 0241 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 X O2 S/N 01961 Cleaned air bleed valve							d valve	
POS. TRIP DEPTH (m)		CONVERTED MONIT	OR VALUES			8	SAMPLE BOT	TLE NUMBER	
PRESSUR	RE PRI. TEMP.	SEC. TEMP.	PRI. SALINITY		SEC. SALINITY	SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL
1 Bottom (63)		-				29			
2 15 (TAS)		-		-					
4									
5									
6									
7	<u> </u>	-							
9									
10									
11		5							
12		STATE OF THE P	AR & FLUROMETER	LOCATI	ON	n this call		STATE SERVICE SE	THE WORLD

	VESSEL						PROJECT & LEG					STATION DESIGNATION		
NOA	A R/V	Oscar Dys	on		DY-18-07 Leg	I Bering	Sea Su	ımmer	Pollock		Grand	rish F	21	
	DEG	ATITUDE MIN 0.73 N	DEC 16		DATE (GMT) DAY MO YR 25 J U N 1 8	TIME (GMT) HR MIN	BOTT DEP (m	TH	STA. NAME/ID	1	•			
CTD					MT TIME	REMARKS								
TYPE & S	SN		DATA	ON		100-1								
PRESS S	N 9+	S/N 0291	STAR	T DOWN										
PRI COND	SN 40	S/N 2985	AT DE	EPTH										
PRI TEMP	SN 3+	S/N 0188	AT SU	JRFACE		MAX. DEPT	H= 91	0.6	n					
SEC CONE	OSN 40	S/N 3127			**on primar	y T/C**								
SEC TEMP	_			PAR S/N 4603 ALTIMETER S/N 70	X FLNTURTO)-2057	X	D2 S/N ()1961	O2 S/N (se	ec)	Cleaned air blee	d valve	
	TRIP PTH (m)			CTD (CONVERTED MONIT	OR VALUES	6				SAMPLE BOT	LE NUMBER		
		PRESSUR	Ε	PRI. TEMP.	SEC. TEMP.	PRI. SAL	INITY		SEC. SALINITY	SAL. NO.	OXYGEN NO.	CHL (ml)	APPROX. FLUORO LEVEL	
	orfa	ce								30				
2														
3 4							-							
5														
6														
7										1				
8														
9														
10														
11														
12					P CONTRACTOR	AR & FLUR	OMETER	LOCATI	ON					