

replacement for original cast log: recreated 1-22-97 from
MOA, weather log, datalogger file, and cast data files

VESSEL		PROJECT & LEG		STATION DESIGNATION						
NOAAS SURVEYOR		SU-95-03, Leg II		LINE A STA 1						
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 253	TIME (GMT)	WIND DIRN.	WIND SPD.	WIND TYPE	WIND WEATHER	BOTTOM DEPTH	STA. NAME/ID
DEG MIN	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(deg)	(m/s)	* * *		(m)	
0015716.44 N	17012.11 W	1936	19 5	19 36	349	21			31	A1.0
CTD		JD/TIME		DATA LOCATION		REMARKS				
TYPE & SN 93001		DATA ON		Tape/Diskette ID		File Name/Header				
PRESS SN 39443		START DOWN				CAST 01.*				
TEMP SN 845		AT DEPTH								
COND SN 693		AT SURFACE				MAX. DEPTH = 23 m				
PAR		FLUOR		ChlAM		TAPS6		TAPS4		
CTD CONVERTED MONITOR VALUES		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SAMPLE BOTTLE DATA
POS.	TRIP DEPTH	21.322		7.4163				31.6739		SAMPLE BOTTLE NUMBER
1		11.379		7.4180				31.6729		SAL.
2		1.754		7.4174				31.6726		NUTRIENT
3										OTHER
4										
5										
6										
7										
8										
9										
10										
11										
12										

VESSEL NOAAS SURVEYOR		PROJ. & LEG SU-95-03 Leg II		STA. DESIGNATION LINE A STA 2									
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 253	TIME (GMT)	WET BULB	WIND DIR.	WIND SP	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN									
00257	18	46	N	170	01	W	10	09	34	01	98	5	A02.4
CTD		JD/TIME		DATA LOCATION		REMARKS							
TYPE & SN 93001		DATA ON 2007		Tape/Diskette ID		File Name/Header							
PRESS SN 39443		START DOWN 2007		FOC195-10		CAST 002.*							
TEMP SN 845		AT DEPTH											
COND SN 693		AT SURFACE											

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD			SAMPLE BOTTLE DATA			SAL. BOT. #	OTHER SAMPLE
		PRESS.	TEMP.	SAL.	THERM-P	SALINITY			
1	40	40.423	6.3262	31.7309	30.1m	6.47°	* 31.7361		Chlorophyll
2	30	30.211	6.4526	31.7271					✓
3	20	20.094	7.2479	31.6912					✓
4	10	10.037	7.7250	31.6641					✓
5	0	1.518	7.7606	31.6639					✓
6									
7									
8									
9									
10									
11									
12									

Max cast depth 46.5 m

VESSEL		NOAAS SURVEYOR		PROJ. & LEG		SU-95-03 Leg II		STA. DESIGNATION	
CONSC		LATITUDE		LONGITUDE		DATE JD= 253		TIME	
CAST #		DEG MIN		DEG MIN		DAY MO YR		HR MIN	
00457723.14	N	17006.5	W	10	S	19	5	21	32
CTD		JD/TIME		TIMES		DATA LOCATION		REMARKS	
TYPE & SN 93001		DATA ON		Tape/Diskette ID		File Name/Header		Line A Sta 4	
PRESS SN 39443		START DOWN 2130		95FDC1-10		CAST 004. *			
TEMP SN 845		AT DEPTH 2132							
COND SN 693		AT SURFACE						Max depth cast 55m	

VESSEL		NOAAS SURVEYOR		PROJ. & LEG		SU-95-03 Leg II		STA. DESIGNATION	
CONSC		LATITUDE		LONGITUDE		DATE JD= 253		TIME	
CAST #		DEG MIN		DEG MIN		DAY MO YR		HR MIN	
00457723.14	N	17006.5	W	10	S	19	5	21	32
CTD		JD/TIME		TIMES		DATA LOCATION		REMARKS	
TYPE & SN 93001		DATA ON		Tape/Diskette ID		File Name/Header		Line A Sta 4	
PRESS SN 39443		START DOWN 2130		95FDC1-10		CAST 004. *			
TEMP SN 845		AT DEPTH 2132							
COND SN 693		AT SURFACE						Max depth cast 55m	

VESSEL		NOAAS SURVEYOR		PROJ. & LEG		SU-95-03 Leg II		STA. DESIGNATION	
CONSC		LATITUDE		LONGITUDE		DATE JD= 253		TIME	
CAST #		DEG MIN		DEG MIN		DAY MO YR		HR MIN	
00457723.14	N	17006.5	W	10	S	19	5	21	32
CTD		JD/TIME		TIMES		DATA LOCATION		REMARKS	
TYPE & SN 93001		DATA ON		Tape/Diskette ID		File Name/Header		Line A Sta 4	
PRESS SN 39443		START DOWN 2130		95FDC1-10		CAST 004. *			
TEMP SN 845		AT DEPTH 2132							
COND SN 693		AT SURFACE						Max depth cast 55m	

VESSEL		NOAAS SURVEYOR		PROJ. & LEG		SU-95-03 Leg II		STA. DESIGNATION	
CONSC		LATITUDE		LONGITUDE		DATE JD= 253		TIME	
CAST #		DEG MIN		DEG MIN		DAY MO YR		HR MIN	
00457723.14	N	17006.5	W	10	S	19	5	21	32
CTD		JD/TIME		TIMES		DATA LOCATION		REMARKS	
TYPE & SN 93001		DATA ON		Tape/Diskette ID		File Name/Header		Line A Sta 4	
PRESS SN 39443		START DOWN 2130		95FDC1-10		CAST 004. *			
TEMP SN 845		AT DEPTH 2132							
COND SN 693		AT SURFACE						Max depth cast 55m	

VESSEL		NOAAS SURVEYOR		PROJ. & LEG		SU-95-03 Leg II		STA. DESIGNATION	
CONSC		LATITUDE		LONGITUDE		DATE JD= 253		TIME	
CAST #		DEG MIN		DEG MIN		DAY MO YR		HR MIN	
00457723.14	N	17006.5	W	10	S	19	5	21	32
CTD		JD/TIME		TIMES		DATA LOCATION		REMARKS	
TYPE & SN 93001		DATA ON		Tape/Diskette ID		File Name/Header		Line A Sta 4	
PRESS SN 39443		START DOWN 2130		95FDC1-10		CAST 004. *			
TEMP SN 845		AT DEPTH 2132							
COND SN 693		AT SURFACE						Max depth cast 55m	

VESSEL		NOAAS SURVEYOR		PROJ. & LEG		SU-95-03 Leg II		STA. DESIGNATION	
CONSC		LATITUDE		LONGITUDE		DATE JD= 253		TIME	
CAST #		DEG MIN		DEG MIN		DAY MO YR		HR MIN	
00457723.14	N	17006.5	W	10	S	19	5	21	32
CTD		JD/TIME		TIMES		DATA LOCATION		REMARKS	
TYPE & SN 93001		DATA ON		Tape/Diskette ID		File Name/Header		Line A Sta 4	
PRESS SN 39443		START DOWN 2130		95FDC1-10		CAST 004. *			
TEMP SN 845		AT DEPTH 2132							
COND SN 693		AT SURFACE						Max depth cast 55m	

VESSEL		NOAAS SURVEYOR		PROJ. & LEG		SU-95-03 Leg II		STA. DESIGNATION	
								Line A Sta 8	
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 254		TIME (GMT)		WET BULB
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	
008	57	40.93	N	169	51	51	W	11	06
008	57	40.93	N	169	51	51	W	11	06
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS	
TYPE & SN 93001		DATA ON				Tape/Diskette ID		File Name/Header	
PRESS SN 39443		START DOWN				95FOCL-10		CAST Ø Ø 8. *	
TEMP SN 845		AT DEPTH							
COND SN 693		AT SURFACE							
								Northernmost CTD on line A	
								FOCI Cruise station 9	
								Map gear depth = 660	

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD				SAMPLE BOTTLE DATA			SAL. BOT. #	OTHER SAMPLE
		PRESS.	TEMP.	SAL.		THERMP	SALINITY			
1	50 *	50.097	2.7604	31.7160		* 38.6 m 2.84°	* 31.9244			Chlorophyll
2	40	40.747	2.8169	31.9223						
3	30	30.457	2.9262	31.9246						
4	20	20.938	9.3373	31.5054						
5	10	10.159	9.5550	31.2904						
6	0	0.993	9.5593	31.2871						
7										
8										
9										
10										
11										
12										

#Thermos not soaked, value not valid (2.84)

VESSEL				PROJ. & LEG				STA. DESIGNATION																							
NOAAS SURVEYOR				SU-95-03 Leg II				Line L (1)																							
CONSC CAST #	LATITUDE			LONGITUDE			DATE JD= 255		TIME (GMT)		WET BULB	WIND DIR.	WIN SP	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID													
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR									MIN												
014	57	25.82	N	17	21	1.5	W	12	S	E	P	9	5	04	33	49.5	7.2	064	8320	20	1	110									
CTD				TIMES				JD/TIME				DATA LOCATION				REMARKS															
TYPE & SN 93001				DATA ON								Tape/Diskette ID				File Name/Header															
PRESS SN 39443				START DOWN								95FOU-10				CAST 01-1.*															
TEMP SN 845				AT DEPTH																											
COND SN 693				AT SURFACE																											

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD				SAMPLE BOTTLE DATA		SAL. BOT. #	OTHER SAMPLE
		PRESS.	TEMP.	SAL.	THERMP	SALINITY			
1	✓ 100	99.000	3.0317	32.6341		31.6449		Chl Not	1750
2	✓ 75	76.915	3.0433	32.6373	*				1749
3	✓ 50	51.572	4.0317	32.5415				*	1748
4	✓ 40	39.458	4.9000	32.4992				*	1747
5	✓ 30	29.597	7.0373	32.361				*	
6	✓ 25	25.236	9.4192	32.0246					1746
7	✓ 20	20.526	9.4478	31.9812				*	
8	✓ 10	10.526	9.4464	31.9803				*	1745
9	✓ 5	5.032	9.4650	31.9797					1744
10	0	1.311	9.4492	31.9795				*	1743
11									
12									

*Therom didid tip

2/20/00 15/8

VESSEL		NOAA SURVEYOR		PROJ. & LEG		SU-95-03 Leg II		STA. DESIGNATION	
								Line L, (2)	
CONSC		LATITUDE		LONGITUDE		DATE JD=255		TIME (GMT)	
CAST #		MIN		DEG		DAY		HR	
0155730.00		N		17156.84		W		0559	
0155730.00		N		17156.84		W		0559	
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS	
TYPE & SN 93001		DATA ON				Tape/Diskette ID		File Name/Header	
PRESS SN 39443		START DOWN				25F001-10		CAST 015	
TEMP SN 845		AT DEPTH							
COND SN 693		AT SURFACE						Max leg = 104	
TRIP		DEPTH		CONV. MON. VALUES-CTD		SAMPLE BOTTLE DATA		SAL. BOT. # OTHER SAMPLE	
POS.				PRESS. TEMP. SAL.		THERMP. SALINITY		C/L N/L	
1		100 ✓		100.124 2.9533 32.4946				1758 ✓	
2		75 ✓		74.575 2.9320 32.4387				1757 ✓	
3		50 ✓		49.553 2.6471 32.0760				1756 ✓	
4		40 ✓		39.454 3.0743 31.9972				1755 ✓	
5		30 ✓		29.632 3.8594 31.7453					
6		25 ✓		24.744 6.2430 31.8512				1754 ✓	
7		20 ✓		20.667 9.0366 31.8854					
8		10 ✓		10.057 9.0443 31.8876				1753 ✓	
9		5 ✓		4.756 9.6418 31.8870				1752 ✓	
10		0 ✓		2.193 9.0412 31.8865				1751 ✓	
11									
12									

VESSEL NOAAS SURVEYOR		PROJ. & LEG SU-95-03 Leg II		STA. DESIGNATION Line L (3)	
CONSC CAST #		LONGITUDE		DATE JD= 255	
DEG	MIN	DEG	MIN	DAY	MO
01	65	17	14	12	SEP
LATITUDE		TIME (GMT)		WIND DIR.	
DEG	MIN	HR	MIN	SS	SS
33	16	07	14	34	00
CTD		DATA LOCATION		REMARKS	
TYPE & SN 93001		Tape/Diskette ID		Line L sta 3	
PRESS SN 39443		File Name/Header		Max dep = 96	
TEMP SN 845		CAST 016			
COND SN 693		AT SURFACE			

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD			SAMPLE BOTTLE DATA		SAL. BOT. #	OTHER SAMPLE
		PRESS.	TEMP.	SAL.	THERMP	SALINITY		
1	100 ✓	95.485	2.9853	32.4868		32.4965	✓	1766
2	75 ✓	74.879	2.9859	32.4850			✓	1765
3	50 ✓	49.866	3.6677	32.2544			✓	1764
4	40 ✓	39.497	4.8874	32.1166			✓	1763
5	30 ✓	30.082	9.2466	31.9515			✓	
6	25 ✓	25.581	9.4518	31.9765			✓	1762
7	20 ✓	20.681	9.4652	31.9778			✓	
8	10 ✓	10.061	9.5049	31.9820			✓	1761
9	5 ✓	4.936	9.4982	31.9816			✓	1760
10	0	1.506	9.5023	31.9813			✓	1759
11								
12								

VESSEL				PROJ. & LEG				STA. DESIGNATION																	
NOAAS SURVEYOR				SU-95-03 Leg II				Line L (S)																	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD= 255		TIME (GMT)		WIND		WET BULB		WIND DIR.		WIND		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
DEG	MIN	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	
01	85	73	69	51	N	17	12	95	10	35	8	5	7	4	1	0	3	4	3	0	0	1	8	97	L45.4
CTD				TIMES				JD/TIME				DATA LOCATION				REMARKS									
TYPE & SN 93001				DATA ON				Tape/Diskette ID				File Name/Header				Line L, sta. S									
PRESS SN 39443				START DOWN				95 FOC1-10				CAST 018													
TEMP SN 845				AT DEPTH																					
COND SN 693				AT SURFACE												Max depth = 94									

VESSEL		NOAAS SURVEYOR		PROJ. & LEG		SU-95-03 Leg II		STA. DESIGNATION		Mooring E-95SP-1						
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=256		TIME (GMT)		WET BULB	WIND DIR.	WIND SP.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								
023570	11.01	N	17008.56	W	13	SEP	95	0025	13.0	10.9	1238	271	044	11	63	SP1
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS								
TYPE & SN 93001		DATA ON		256/0021		Tape/Diskette ID		File Name/Header								
PRESS SN 39443		START DOWN		0022		95EX1-10		CAST 023.*								
TEMP SN 845		AT DEPTH		0025												
COND SN 693		AT SURFACE								Max cast depth 60m						

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD			SAMPLE BOTTLE DATA			SAL. BOT. #	OTHER SAMPLE
		PRESS.	TEMP.	SAL.	THERMP	SALINITY			
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

No samples taken

VESSEL		PROJ. & LEG		STA. DESIGNATION											
NOAAS SURVEYOR		SU-95-03 Leg II		Mooring E-95SP-7											
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 256	TIME (GMT)	DRY BULB	WET BULB	WIND DIR.	WIND SP.	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN						
0245709.3	N	17006.7	W	13	S	E	P	9	5	01	4	1	10	0	0
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS							
TYPE & SN 93001		DATA ON		Tape/Diskette ID		File Name/Header									
PRESS SN 39443		START DOWN		95FOCI-10		CAST 024.*									
TEMP SN 845		AT DEPTH													
COND SN 693		AT SURFACE													
Mooring deployment E-95SP-7															
Max depth = 21.6															
TRIP DEPTH		CONV. MON. VALUES-CTD		SAMPLE BOTTLE DATA		SAL. BOT. #		OTHER SAMPLE							
1		PRESS.	TEMP.	SAL.	THERMP	SALINITY									
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

No Samples taken

[illegible]

VESSEL		NOAAS SURVEYOR		PROJ. & LEG		SU-95-03 Leg II		STA. DESIGNATION		Line A, (8)	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD= 256		TIME (GMT)		WET BULB	
DEG MIN		DEG MIN		DEG MIN		DAY MO YR		HR MIN		WIND DIR.	
02 85740.78 N		16951.53 W		13		SEP 5		1049		7.5 7.5 132817012	
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS		Line A sta 8	
TYPE & SN 93001		DATA ON		START DOWN		AT DEPTH		AT SURFACE		Max open depth = 64	
PRESS SN 39443											
TEMP SN 845											
COND SN 693											

[illegible]

VESSEL NOAAS SURVEYOR				PROJ. & LEG SU-95-03 Leg II				STA. DESIGNATION Line A (3)											
CONSC CAST #	LATITUDE			LONGITUDE			DATE JD= 256		TIME (GMT)	DRY BULB	WET BULB	WIND DIR.	WIND SP.	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN		DEG	MIN		DAY	MO										YR	HR
034	57	20	99	N	17	00	08	19	W	13	S	E	P	9	5	2			
CTD				TIMES				JD/TIME				DATA LOCATION				REMARKS			
TYPE & SN 93001				DATA ON				256/1750				Tape/Diskette ID				File Name/Header			
PRESS SN 39443				START DOWN				1750				95FOCI-10				CAST 034.*			
TEMP SN 845				AT DEPTH				1752											
COND SN 693				AT SURFACE															

[illegible]

8 bottles indicated tripped, 7 bottles closed - conclude that rosette set up to trip empty position first.

VESSEL NOAAS SURVEYOR		PROJ. & LEG SU-95-03 Leg II		STA. DESIGNATION <i>Line A (12)</i>													
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 257			TIME (GMT)		WET BULB	WIND DIR.	WIND SP.	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN								
043	58	12.43	N	169	25.19	W	14	S	E	P	9	5	0	7	0	7	0
CTD		TIMES		JD/TIME		DATA LOCATION										REMARKS (Sta. 12) <i>Max gear depth: 65</i>	
TYPE & SN 93001		DATA ON				Tape/Diskette ID		File Name/Header									
PRESS SN 39443		START DOWN				95FOCI-10		CAST043.*									
TEMP SN 845		AT DEPTH															
COND SN 693		AT SURFACE															
POS.	TRIP DEPTH	CONV. MON. VALUES-CTD				SAMPLE BOTTLE DATA				SAL. BOT. #	OTHER SAMPLE						
		PRESS.	TEMP.	SAL.	THERMP	SALINITY											
1		43.776	0.3029	31.3523		31.3648											
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

VESSEL		NOAAS SURVEYOR		PROJ. & LEG		STA. DESIGNATION	
				SU-95-03 Leg II		Line B (6)	
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 258		WET BULB
	DEG	MIN	DEG	MIN	DAY	MO	
0475653.07	N	17026.65	W	15	SEP	95	0101010
CTD		TIMES		JD/TIME		DATA LOCATION	
TYPE & SN 93001		DATA ON		258/0007		Tape/Diskette ID File Name/Header	
PRESS SN 39443		START DOWN		0007		95FOC1-10 CAST 47.*	
TEMP SN 845		AT DEPTH		0010		UPCAST 47.*	
COND SN 693		AT SURFACE				Max cast depth: 93 m	
						REMARKS	
						Line B, sta. 6	

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD			SAMPLE BOTTLE DATA		SAL. BOT. #	OTHER SAMPLE
		PRESS.	TEMP.	SAL.	THERMP	SALINITY		
✓ 1	91	91.431	2.6726	32.4289				Chl Not - 1942
✓ 2	* 75	76.414	2.3529	32.3428	* 72.1m	2.32°C		- 1941
✓ 3	50	49.352	2.2646	32.2004				✓ - 1940
✓ 4	40	38.321	2.5776	32.0586				✓ - 1939
✓ 5	30	29.958	4.8763	31.9607				✓ - 1938
✓ 6	25	24.734	8.9433	31.8906				✓ - 1937
✓ 7	20	19.343	9.0215	31.8846				✓ - 1936
✓ 8	10	10.107	9.0329	31.8810				✓ - 1935
✓ 9	5	4.750	9.0358	31.8797				
✓ 10	0	1.853	9.0270	31.8796				
11								
12								

stopped data acquisition at max depth instead of tripping first bottle (Chl-F2 instead of Chl-F3)
 restarted acquisition, logging to file VPCAST47.* to record bottle sample data

VESSEL NOAAS SURVEYOR		PROJ. & LEG SU-95-03 Leg II				STA. DESIGNATION Line B (5)																			
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 258		TIME (GMT)		WET BULB	WIND DIR.	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID											
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR							MIN										
048	54	91	N	170	23	69	W	15	S	E	P	9	5	0	10	2	0	8	2	89					
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS																	
TYPE & SN 93001		DATA ON		258/0059		Tape/Diskette ID		Line B, sta 5																	
PRESS SN 39443		START DOWN		0100		95FOCI-10		CAST 048.*																	
TEMP SN 845		AT DEPTH		0103																					
COND SN 693		AT SURFACE						Max cast depth: 87 m																	

POS.	TRIP DEPTH	CONV. MON. VALUES-CTD			SAMPLE BOTTLE DATA		SAL. BOT. #	OTHER SAMPLE
		PRESS.	TEMP.	SAL.	THERMP	SALINITY		
1								Chl Not
20	75	74.958	2.4626	32.7417		32.3451		- 1949
22	50	49.270	2.3405	32.0535				✓ - 1948
23	40	39.468	2.7039	31.9221				✓ - 1947
24	30	30.551	5.4456	31.9412				✓
25	25	26.045	6.6456	31.8358				- 1946
26	20	19.986	8.3059	31.7352				✓
27	10	10.324	8.3544	31.7387				✓ - 1945
28	5	3.323	8.3540	31.7380				- 1944
29	0	0.058	8.3458	31.7359				✓ - 1943
11								
12								

