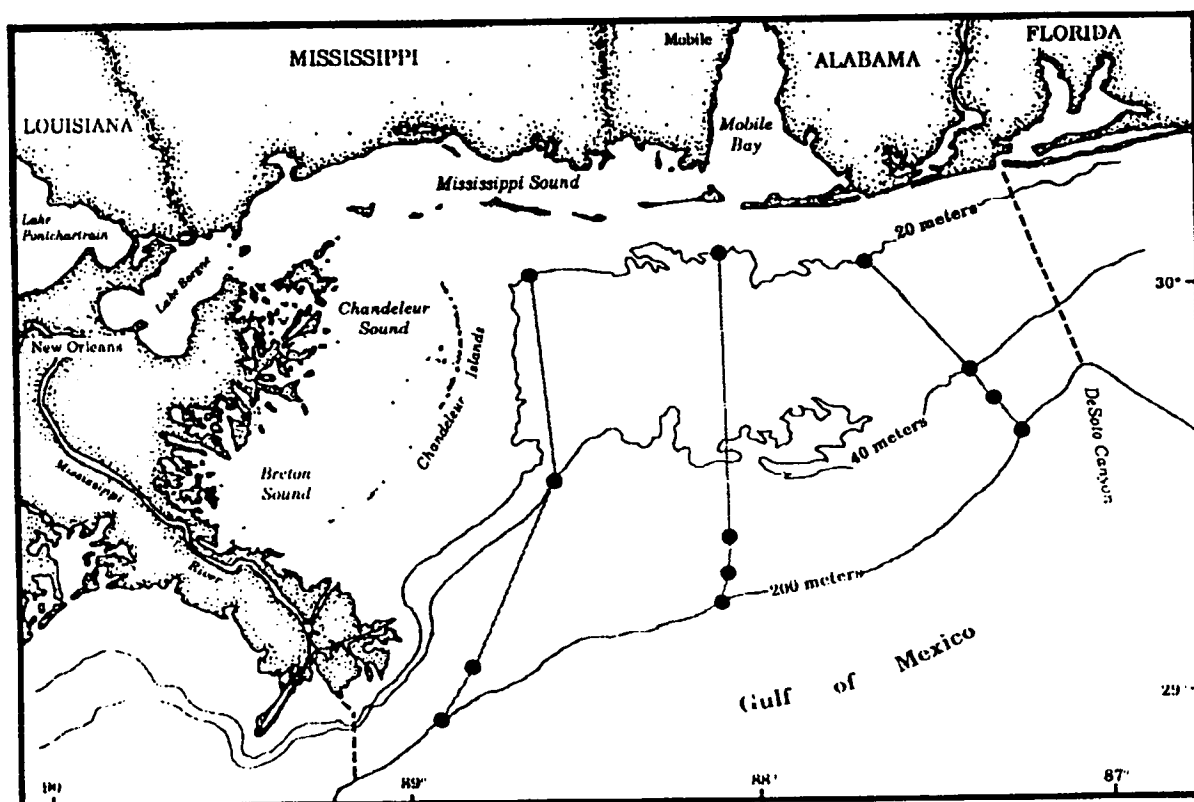


Mississippi-Alabama Continental Shelf Ecosystem Study Data Summary and Synthesis

Volume III: Appendices

Part 1 (Appendices A-D)



Mississippi-Alabama Continental Shelf Ecosystem Study Data Summary and Synthesis

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Part 1 (Appendices A-D)

Editors

**James M. Brooks
Charles P. Giammona**

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APPENDIX A

SEDIMENTS

High Molecular Weight Hydrocarbons

Aromatics

HIGH MOLECULAR WEIGHT HYDROCARBONS - AROMATICS

'+' - Peaks reported during NOAA Status and Trends Gulf Survey

'*' - Peaks may be present but less than the limit of quantification

FILE #	CRUISE	TRANSECT -STATION	NAPH	2-METHYL NAPH	1-METHYL NAPH	BIPHENYL	2,6 DIME NAPH	ACENAPH-THYLENE	ACENAPH-THENE	2,3,4-TRI METHYL-NAPH	FLUORENE	PHENAN	ANTHRAC
			(ppb)+	(ppb)+	(ppb)+	(ppb)+	(ppb)+	(ppb)	(ppb)+	(ppb)	(ppb)+	(ppb)+	(ppb)+
L4525	MMS-0	C-1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
L4526	MMS-0	C-2	<5	<5	<5	<5	<5	6	<5	<5	<5	<5	<5
L4527	MMS-0	C-3	8	7	<5	<5	8	5	<5	<5	<5	10	<5
L4528	MMS-0	C-4	23	14	10	7	14	8	<5	<5	<5	22	<5
L4529	MMS-0	D-2	<5	<5	<5	<5	<5	5	<5	<5	<5	<5	<5
L4530	MMS-0	D-3	<5	<5	<5	<5	<5	6	<5	<5	<5	<5	<5
L4531	MMS-0	D-4	12	5	<5	<5	6	6	<5	<5	<5	6	<5
L4532	MMS-0	M-1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
L4533	MMS-0	M-2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
L4534	MMS-0	M-3	<5	<5	<5	<5	<5	7	<5	<5	<5	<5	<5
L4535	MMS-0	M-4	7	<5	<5	<5	8	7	<5	<5	<5	9	<5
W6233	MMS-1	C-1	<5	9	<5	5	9	<5	<5	7	<5	13	<5
W6234	MMS-1	C-2	12	17	8	10	17	<5	<5	18	7	29	<5
W6235	MMS-1	C-3	18	30	9	9	17	<5	<5	20	8	26	<5
W6236	MMS-1	C-4	33	33	16	14	22	<5	<5	19	9	40	<5
W6237	MMS-1	D-1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
W6238	MMS-1	D-2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
W6239	MMS-1	D-3	<5	<5	<5	<5	<5	<5	<5	5	<5	12	<5
W6240	MMS-1	D-4	8	13	6	11	23	<5	<5	33	11	46	<5
W6241	MMS-1	M-1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
W6242	MMS-1	M-2	<5	<5	<5	<5	<5	<5	<5	<5	<5	6	<5
W6243	MMS-1	M-3	<5	11	5	6	10	<5	<5	9	5	18	<5
W6244	MMS-1	M-4	14	26	10	11	20	<5	<5	20	9	30	<5
W7734	MMS-2	C-1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
W7735	MMS-2	C-2	26	12	7	6	21	<5	<5	<5	<5	25	6
W7736	MMS-2	C-3	<5	<5	<5	<5	<5	<5	<5	<5	<5	6	<5
W7737	MMS-2	C-4	10	9	6	<5	7	<5	<5	<5	<5	14	5
W7738	MMS-2	D-1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
W7739	MMS-2	D-2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
W7740	MMS-2	D-3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
W7741	MMS-2	D-4	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
W7742	MMS-2	M-1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
W7743	MMS-2	M-2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
W7745	MMS-2	M-3	5	<5	<5	<5	<5	<5	<5	<5	<5	11	<5
W7746	MMS-2	M-4	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

HIGH MOLECULAR WEIGHT HYDROCARBONS - AROMATICS

'+' - Peaks reported during NOAA Status and Trends Gulf Survey

'*' - Peaks may be present but less than the limit of quantification

FILE #	CRUISE	TRANSECT -STATION	NAPH	2-METHYL NAPH	1-METHYL NAPH	BIPHENYL	2,6 DIME NAPH	ACENAPH-THYLENE	ACENAPH-THENE	2,3,4-TRI METHYL-NAPH	FLUORENE	PHENAN	ANTHRAC
			(ppb)+	(ppb)+	(ppb)+	(ppb)+	(ppb)+	(ppb)	(ppb)+	(ppb)	(ppb)+	(ppb)+	(ppb)+
W1535	MMS-3	C-1	< 5	6	< 5	< 5	8	< 5	< 5	8	< 5	18	7
W1536	MMS-3	C-2	5	7	5	< 5	6	< 5	< 5	9	< 5	23	< 5
W1537	MMS-3	C-3	24	18	12	7	20	< 5	< 5	26	7	27	5
W1538	MMS-3	C-4	21	24	16	9	< 5	< 5	< 5	7	< 5	40	8
W1539	MMS-3	D-1	< 5	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	12	8
W1540	MMS-3	D-2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
W1541	MMS-3	D-3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	8	< 5
W1542	MMS-3	D-4	6	6	< 5	< 5	7	< 5	< 5	< 5	< 5	12	< 5
W1543	MMS-3	M-1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
W1544	MMS-3	M-2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
W1545	MMS-3	M-3	13	12	7	< 5	12	< 5	< 5	11	5	11	< 5
W1546	MMS-3	M-4	10	10	7	7	10	< 5	< 5	8	< 5	19	< 5
W2656	MMS-4	C-1	< 5	7	< 5	< 5	< 5	< 5	< 5	8	< 5	15	< 5
W2657	MMS-4	C-2	< 5	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	7	< 5
W2658	MMS-4	C-3	8	8	6	< 5	7	< 5	< 5	< 5	< 5	11	< 5
W2659	MMS-4	C-4	15	14	10	6	10	6	< 5	6	5	21	< 5
W2652	MMS-4	D-1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
W2653	MMS-4	D-2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
W2654	MMS-4	D-3	< 5	5	< 5	< 5	5	< 5	< 5	< 5	< 5	< 5	< 5
W2655	MMS-4	D-4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	6	< 5
W2660	MMS-4	M-1	7	13	8	< 5	8	< 5	< 5	15	< 5	27	< 5
W2661	MMS-4	M-2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
W2662	MMS-4	M-3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
W2663	MMS-4	M-4	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	9	< 5

A-8

HIGH MOLECULAR WEIGHT HYDROCARBONS - AROMATICS

'+' - Peaks reported during NOAA Status and Trends Gulf Survey

'*' - Peaks may be present but less than the limit of quantification

FILE #	CRUISE	TRANSECT -STATION	1-METHYL FLUORANTH PHENAN (ppb)+	PYRENE (ppb)+	BENZ(a) ANTHRAC (ppb)+	CHRYSENE (ppb)+	BENZO(b+k) FLUORANTH (ppb)	BENZO(e) PYRENE (ppb)+	BENZO(a) PYRENE (ppb)+	PERYLENE (ppb)+	INDENO-PYRENE (ppb)	DIBENZ ANTHRAC (ppb)+	
L4525	MMS-0	C-1	<5	<5	<5	<5	<5	<5	<5	11	<5	<5	
L4526	MMS-0	C-2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
L4527	MMS-0	C-3	<5	11	15	9	8	10	5	7	52	8	<5
L4528	MMS-0	C-4	<5	20	27	17	15	21	11	15	94	14	<5
L4529	MMS-0	D-2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
L4530	MMS-0	D-3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
L4531	MMS-0	D-4	<5	6	5	<5	<5	5	<5	<5	<5	6	<5
L4532	MMS-0	M-1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
L4533	MMS-0	M-2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
L4534	MMS-0	M-3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
L4535	MMS-0	M-4	<5	9	14	6	6	8	<5	5	15	9	<5
W6233	MMS-1	C-1	9	6	8	<5	<5	<5	<5	<5	11	<5	<5
W6234	MMS-1	C-2	15	13	23	5	6	13	5	8	42	8	<5
W6235	MMS-1	C-3	15	15	25	6	7	16	8	10	28	9	<5
W6236	MMS-1	C-4	19	33	57	15	20	40	19	19	56	20	5
W6237	MMS-1	D-1	<5	<5	<5	<5	<5	6	<5	<5	<5	<5	<5
W6238	MMS-1	D-2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
W6239	MMS-1	D-3	10	6	11	<5	<5	<5	<5	<5	<5	<5	<5
W6240	MMS-1	D-4	14	10	19	<5	<5	<5	<5	<5	<5	<5	<5
W6241	MMS-1	M-1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
W6242	MMS-1	M-2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
W6243	MMS-1	M-3	10	7	12	<5	<5	<5	<5	<5	5	<5	<5
W6244	MMS-1	M-4	14	19	36	5	6	13	7	8	14	9	<5
W7734	MMS-2	C-1	<5	<5	<5	<5	<5	<5	<5	<5	6	8	<5
W7735	MMS-2	C-2	10	12	17	<5	<5	13	10	6	36	47	<5
W7736	MMS-2	C-3	<5	5	8	<5	<5	8	<5	<5	9	<5	<5
W7737	MMS-2	C-4	6	20	25	10	13	18	19	14	101	40	<5
W7738	MMS-2	D-1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
W7739	MMS-2	D-2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
W7740	MMS-2	D-3	<5	7	7	<5	<5	7	<5	<5	<5	21	<5
W7741	MMS-2	D-4	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
W7742	MMS-2	M-1	<5	<5	10	<5	<5	<5	<5	<5	<5	<5	<5
W7743	MMS-2	M-2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
W7745	MMS-2	M-3	<5	12	29	<5	6	22	9	6	13	26	<5
W7746	MMS-2	M-4	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

A-9

HIGH MOLECULAR WEIGHT HYDROCARBONS - AROMATICS

'+' - Peaks reported during NOAA Status and Trends Gulf Survey

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FILE #	CRUISE	TRANSECT -STATION	1-METHYL FLUORANTH PHENAN (ppb)+	PYRENE (ppb)+	BENZ(a) ANTHRAC (ppb)+	CHRYSENE (ppb)+	BENZO(b+k) FLUORANTH (ppb)	BENZO(e) PYRENE (ppb)+	BENZO(a) PYRENE (ppb)+	PERYLENE (ppb)+	INDENO-PYRENE (ppb)	DIBENZ ANTHRAC (ppb)+	
W1535	MMS-3	C-1	20	< 5	6	< 5	< 5	5	8	10	11	< 5	< 5
W1536	MMS-3	C-2	< 5	8	12	7	9	21	10	12	74	16	< 5
W1537	MMS-3	C-3	11	29	44	16	20	43	22	22	76	28	9
W1538	MMS-3	C-4	6	25	36	25	40	78	40	32	149	51	14
W1539	MMS-3	D-1	< 5	< 5	< 5	< 5	< 5	7	< 5	< 5	< 5	< 5	< 5
W1540	MMS-3	D-2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
W1541	MMS-3	D-3	7	6	11	< 5	6	11	< 5	< 5	< 5	10	< 5
W1542	MMS-3	D-4	< 5	11	12	5	7	16	< 5	< 5	8	14	< 5
W1543	MMS-3	M-1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
W1544	MMS-3	M-2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
W1545	MMS-3	M-3	8	7	9	< 5	< 5	10	< 5	< 5	11	6	< 5
W1546	MMS-3	M-4	7	17	23	8	13	33	21	13	19	24	5
W2656	MMS-4	C-1	14	< 5	< 5	< 5	< 5	< 5	< 5	< 5	5	< 5	10
W2657	MMS-4	C-2	< 5	9	10	7	7	28	13	9	40	17	< 5
W2658	MMS-4	C-3	5	13	16	11	14	44	20	14	38	28	16
W2659	MMS-4	C-4	7	28	43	17	26	87	44	28	76	41	19
W2652	MMS-4	D-1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
W2653	MMS-4	D-2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
W2654	MMS-4	D-3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	10
W2655	MMS-4	D-4	< 5	8	8	5	5	18	7	6	7	14	11
W2660	MMS-4	M-1	22	6	7	< 5	< 5	9	< 5	< 5	6	< 5	< 5
W2661	MMS-4	M-2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	10
W2662	MMS-4	M-3	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	10
W2663	MMS-4	M-4	< 5	11	13	7	8	35	17	10	16	23	14

HIGH MOLECULAR WEIGHT HYDROCARBONS - AROMATICS

'+' - Peaks reported during NOAA Status and Trends Gulf Survey

'*' - Peaks may be present but less than the limit of quantification

FILE #	CRUISE	TRANSECT -STATION	BENZO(ghi) PERYLENE (ppb)	TOTAL	TOTAL	2-3 RINGS	4-5 RINGS	RATIO	RATIO
				AROMATICS MEASURED (ppb)	AROMATICS AS YR 1(+)(ppb)	MEASURED AS YR 1(+)(%)	MEASURED AS YR 1(+)(%)	4-5 TO 2-3 RINGS AS YR 1(+)	PHENANTHRENE/ ANTHRACENE
L4525	MMS-0	C-1	<5	16	16	32.6	67.4	2.07	*
L4526	MMS-0	C-2	< 5	6	*	*	*	*	*
L4527	MMS-0	C-3	11	174	139	23.2	76.8	3.32	*
L4528	MMS-0	C-4	17	348	288	30.9	69.1	2.23	*
L4529	MMS-0	D-2	< 5	5	*	*	*	*	*
L4530	MMS-0	D-3	< 5	6	*	*	*	*	*
L4531	MMS-0	D-4	6	63	40	72.6	27.4	0.38	*
L4532	MMS-0	M-1	< 5	*	*	*	*	*	*
L4533	MMS-0	M-2	< 5	*	*	*	*	*	*
L4534	MMS-0	M-3	< 5	7	*	*	*	*	*
L4535	MMS-0	M-4	10	112	78	31.4	68.6	2.19	*
W6233	MMS-1	C-1	< 5	76	69	64.0	36.0	0.56	*
W6234	MMS-1	C-2	9	263	216	52.9	47.1	0.89	*
W6235	MMS-1	C-3	11	288	232	57.3	42.7	0.75	*
W6236	MMS-1	C-4	24	514	411	45.4	54.6	1.20	*
W6237	MMS-1	D-1	< 5	6	*	*	*	*	*
W6238	MMS-1	D-2	< 5	*	*	*	*	*	*
W6239	MMS-1	D-3	< 5	45	39	56.0	44.0	0.78	*
W6240	MMS-1	D-4	< 5	192	159	82.0	18.0	0.22	*
W6241	MMS-1	M-1	< 5	*	*	*	*	*	*
W6242	MMS-1	M-2	< 5	6	6	100.0	0.0	0.00	*
W6243	MMS-1	M-3	< 5	97	88	72.5	27.5	0.38	*
W6244	MMS-1	M-4	7	279	230	58.9	41.1	0.70	*
W7734	MMS-2	C-1	< 5	14	6	0.0	100.0	*	*
W7735	MMS-2	C-2	15	269	194	58.2	41.8	0.72	4.12
W7736	MMS-2	C-3	< 5	35	27	20.5	79.5	3.88	*
W7737	MMS-2	C-4	13	331	260	22.2	77.8	3.50	2.72
W7738	MMS-2	D-1	< 5	*	*	*	*	*	*
W7739	MMS-2	D-2	< 5	*	*	*	*	*	*
W7740	MMS-2	D-3	5	47	14	0.0	100.0	*	*
W7741	MMS-2	D-4	< 5	*	*	*	*	*	*
W7742	MMS-2	M-1	< 5	10	10	0.0	100.0	*	*
W7743	MMS-2	M-2	< 5	*	*	*	*	*	*
W7745	MMS-2	M-3	8	147	91	18.2	81.8	4.50	*
W7746	MMS-2	M-4	< 5	*	*	*	*	*	*

HIGH MOLECULAR WEIGHT HYDROCARBONS - AROMATICS

'+' - Peaks reported during NOAA Status and Trends Gulf Survey

'*' - Peaks may be present but less than the limit of quantification

FILE #	CRUISE	TRANSECT -STATION	BENZO(ghi) PERYLENE (ppb)	TOTAL AROMATICS MEASURED (ppb)	TOTAL AROMATICS AS YR 1(+) (ppb)	2-3 RINGS MEASURED AS YR 1(+) (%)	4-5 RINGS MEASURED AS YR 1(+) (%)	RATIO 4-5 TO 2-3 RINGS AS YR 1(+)	RATIO PHENANTHRENE/ ANTHRACENE
W1535	MMS-3	C-1	5	113	95	62.3	37.7	0.61	2.55
W1536	MMS-3	C-2	17	243	178	25.9	74.1	2.86	*
W1537	MMS-3	C-3	30	496	369	35.6	64.4	1.81	5.35
W1538	MMS-3	C-4	55	673	482	25.4	74.6	2.94	5.20
W1539	MMS-3	D-1	< 5	32	25	100.0	0.0	*	1.47
W1540	MMS-3	D-2	< 5	*	*	*	*	*	*
W1541	MMS-3	D-3	10	68	37	39.2	60.8	1.55	*
W1542	MMS-3	D-4	13	118	75	42.0	58.0	1.38	*
W1543	MMS-3	M-1	< 5	*	*	*	*	*	*
W1544	MMS-3	M-2	< 5	*	*	*	*	*	*
W1545	MMS-3	M-3	8	130	95	71.2	28.8	0.41	*
W1546	MMS-3	M-4	26	280	189	36.3	63.7	1.75	*
W2656	MMS-4	C-1	8	68	51	69.4	30.6	0.44	*
W2657	MMS-4	C-2	26	176	105	11.2	88.8	7.91	*
W2658	MMS-4	C-3	36	296	188	24.2	75.8	3.13	*
W2659	MMS-4	C-4	58	567	370	23.7	76.3	3.22	*
W2652	MMS-4	D-1	< 5	*	*	*	*	*	*
W2653	MMS-4	D-2	< 5	*	*	*	*	*	*
W2654	MMS-4	D-3	8	28	20	51.4	48.6	0.95	*
W2655	MMS-4	D-4	18	114	64	9.1	90.9	9.99	*
W2660	MMS-4	M-1	11	138	104	82.1	17.9	0.22	*
W2661	MMS-4	M-2	8	18	10	*	*	*	*
W2662	MMS-4	M-3	9	19	10	*	*	*	*
W2663	MMS-4	M-4	31	194	104	8.3	91.7	11.11	*

Alkanes

HIGH MOLECULAR WEIGHT HYDROCARBONS - ALKANES

C - Possible coelution of non-hydrocarbon peak

* - Peaks may be present but less than the limit of quantification

FILE #	CRUISE	TRANSECT STATION	TOTAL UNRESOLVED COMPLEX MIXTURE				NORMAL ALKANE CONCENTRATIONS													
			EOM (ppm)	UCM <C23 (ppm)	UCM >C23 (ppm)	TOT UCM (ppm)	N-C15 (ppb)	N-C16 (ppb)	N-C17 (ppb)	PRIST (ppb)	N-C18 (ppb)	PHYT (ppb)	N-C19 (ppb)	N-C20 (ppb)	N-C21 (ppb)	N-C22 (ppb)	N-C23 (ppb)	N-C24 (ppb)		
L 4525	MMS-0	C-1	44.8	2	2	4	8	14	21	<5	16	7	5	12	45	<5	8	4		
L 4526	MMS-0	C-2	16.0	1	2	3	10	8	<5	11	12	5	5	13	27	<5	<5	<5		
L 4527	MMS-0	C-3	129.6	8	17	23	13	10	16	35	15	21	6	9	87	5	14	7		
L 4528	MMS-0	C-4	134.4	15	28	42	88	44	64	68	98	21	34	42	213	18	102	15		
L 4529	MMS-0	D-2	8.0	1	1	2	26	20	10	8	26	11	17	12	14	7	15	10		
L 4530	MMS-0	D-3	51.2	1	2	3	11	9	9	14	13	9	7	12	19	<5	<5	<5		
L 4531	MMS-0	D-4	102.0	3	8	11	9	7	5	14	17	7	8	14	31	<5	6	<5		
L 4532	MMS-0	M-1	10.4	1	1	2	<5	<5	9	<5	6	<5	45	4	18	<5	<5	<5		
L 4533	MMS-0	M-2	14.4	1	1	1	5	5	5	<5	7	<5	<5	5	13	<5	<5	<5		
L 4534	MMS-0	M-3	4.8	2	4	6	22	18	9	11	31	10	16	20	43	5	9	7		
L 4535	MMS-0	M-4	145.2	5	7	12	11	7	13	38	17	19	5	14	84	<5	9	6		
W 6233	MMS-1	C-1	38.1	4	1	5	157	287	388	53	185	69	78	65	15	25	11	9		
W 6234	MMS-1	C-2	87.5	9	5	14	160	318	276	26	67	44	24	<5	9	<5	9	10		
W 6235	MMS-1	C-3	70.1	7	5	12	239	459	434	55	104	85	30	22	24	23	12	15		
W 6236	MMS-1	C-4	123.6	10	7	17	232	398	341	40	81	55	27	24	14	33	13	13		
W 6237	MMS-1	D-1	19.7	1	1	2	7	23	13	<5	<5	6	<5	<5	<5	5	<5	<5		
W 6238	MMS-1	D-2	7.3	1	1	2	15	39	32	6	8	11	6	<5	<5	5	<5	<5		
W 6239	MMS-1	D-3	7.7	3	1	4	51	98	124	49	53	49	21	12	6	10	<5	10		
W 6240	MMS-1	D-4	188.1	9	5	14	34	102	81	54	52	16	12	12	3	16	9	8		
W 6241	MMS-1	M-1	10.4	2	1	3	35	62	50	19	14	23	13	6	7	16	8	11		
W 6242	MMS-1	M-2	18.4	2	1	3	48	67	65	22	16	27	9	7	11	11	<5	6		
W 6243	MMS-1	M-3	55.0	4	2	6	224	340	304	54	68	60	22	13	15	15	5	53		
W 6244	MMS-1	M-4	86.6	9	3	12	302	483	381	63	94	77	29	16	5	19	<5	16		
W7734	MMS-2	C-1	41.5	3	6	9	5	33	14	6	98	12	6	9	16	34	5	5		
W7735	MMS-2	C-2	70.3	7	15	22	13	23	14	16	142	23	11	26	18	11	10	23		
W7736	MMS-2	C-3	49.5	4	10	14	11	50	27	8	130	10	16	28	10	16	6	11		
W7737	MMS-2	C-4	262.1	14	32	46	25	67	56	23	134	24	23	44	12	49	336	22		
W7738	MMS-2	D-1	24.8	3	10	13	<5	24	15	14	108	5	7	18	5	5	<5	<5		
W7739	MMS-2	D-2	24.8	2	8	10	<5	31	7	8	117	8	6	<5	<5	7	11	5		
W7740	MMS-2	D-3	81.5	7	17	24	7	23	16	52	126	32	13	14	12	10	8	12		
W7741	MMS-2	D-4	12.0	3	5	8	<5	17	10	5	100	5	6	13	<5	5	6	<5		
W7742	MMS-2	M-1	32.9	3	6	9	84	13	7	8	110	7	6	14	7	7	<5	5		
W7743	MMS-2	M-2	128.0	10	14	24	14	36	38	34	139	20	23	61	28	16	10	8		
W7744	MMS-2	M-3	119.2	1	2	3	94	12	<5	<5	99	<5	<5	<5	<5	<5	10	<5		
W7745	MMS-2	M-4	8.0	2	2	4	83	14	10	7	97	5	7	12	8	8	<5	<5		

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HIGH MOLECULAR WEIGHT HYDROCARBONS - ALKANES

C - Possible coelution of non-hydrocarbon peak

* - Peaks may be present but less than the limit of quantification

TOTAL UNRESOLVED COMPLEX MIXTURE							NORMAL ALKANE CONCENTRATIONS												
FILE #	CRUISE	TRANSECT STATION	EOM (ppm)	UCM <C23 (ppm)	UCM >C23 (ppm)	TOT UCM (ppm)	N-C15 (ppb)	N-C16 (ppb)	N-C17 (ppb)	PRIST (ppb)	N-C18 (ppb)	PHYT (ppb)	N-C19 (ppb)	N-C20 (ppb)	N-C21 (ppb)	N-C22 (ppb)	N-C23 (ppb)	N-C24 (ppb)	
W11535	MMS-3	C-1	63.3	10	9	19	17	27	29	15	13	< 5	14	9	21	21	13	14	
W11536	MMS-3	C-2	68.4	14	21	35	42	44	41	22	16	7	18	19	16	31	29	33	
W11537	MMS-3	C-3	179.2	19	33	52	29	22	27	20	16	14	11	11	9	27	27	27	
W11538	MMS-3	C-4	135.9	23	43	66	54	48	49	25	28	12	21	19	10	57	67	47	
W11539	MMS-3	D-1	31.8	3	6	8	12	9	5	< 5	6	< 5	< 5	< 5	< 5	5	< 5	10	
W11892	MMS-3	D-2	16.8	2	4	6	11	11	10	< 5	< 5	6	9	5	8	6	8	11	
W11541	MMS-3	D-3	56.8	9	11	21	26	10	19	11	13	< 5	8	7	< 5	15	31	15	
W11542	MMS-3	D-4	98.1	10	19	29	29	35	36	10	13	< 5	12	10	10	23	42	24	
W11543	MMS-3	M-1	41.8	5	12	17	17	6	19	8	5	< 5	< 5	6	5	15	18	8	
W11544	MMS-3	M-2	25.2	3	5	7	12	8	6	< 5	< 5	< 5	< 5	< 5	< 5	7	12	10	
W11545	MMS-3	M-3	53.2	10	13	23	44	50	46	17	29	13	24	38	61	73	68	87	
W11546	MMS-3	M-4	64.0	7	14	22	25	16	25	15	15	9	12	12	11	22	36	26	
W12656	MMS-4	C-1	53.6	28	7	35	33	51	61	160	C	79	< 5	21	45	7	9	10	
W12657	MMS-4	C-2	81.5	17	48	65	28	22	12	7	C	30	7	19	12	11	56	33	
W12658	MMS-4	C-3	104.8	25	79	104	34	27	34	25	C	16	8	10	30	13	69	45	
W12659	MMS-4	C-4	130.4	34	97	131	39	43	20	8	C	5	29	29	12	14	203	58	
W12652	MMS-4	D-1	33.5	8	5	13	7	C	15	28	C	38	< 5	< 5	13	< 5	< 5	6	
W12653	MMS-4	D-2	46.3	5	2	7	9	6	9	8	C	< 5	10	< 5	39	< 5	10	7	
W12654	MMS-4	D-3	28.0	8	12	20	18	11	< 5	< 5	C	6	14	< 5	15	5	5	9	
W12655	MMS-4	D-4	100.8	10	35	45	15	16	18	50	C	< 5	8	10	33	11	26	9	
W12660	MMS-4	M-1	68.0	50	26	76	41	59	78	230	C	114	< 5	12	11	9	26	11	
W12661	MMS-4	M-2	38.3	9	9	19	23	22	< 5	< 5	C	< 5	8	< 5	23	5	13	7	
W12662	MMS-4	M-3	59.3	10	13	23	17	14	13	16	C	13	11	9	23	7	14	11	
W12663	MMS-4	M-4	97.7	21	71	92	32	22	16	< 5	C	< 5	9	16	7	13	49	20	

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HIGH MOLECULAR WEIGHT HYDROCARBONS - ALKANES

C - Possible coelution of non-hydrocarbon peak

* - Peaks may be present but less than the limit of quantification

FILE #	CRUISE	TRANSECT STATION	NORMAL ALKANE CONCENTRATIONS								TOTAL ALKALINITIES					
			N-C25 (ppb)	N-C26 (ppb)	N-C27 (ppb)	N-C28 (ppb)	N-C29 (ppb)	N-C30 (ppb)	N-C31 (ppb)	N-C32 (ppb)	<N-C23 (ppb)	>N-C23 (ppb)	N-C15 TO N-C32 (ppb)	<N-C23	CPI >N-C23	ALKANES >N-C23/ <N-C23
L 4525	MMS-0	C-1	9	5	29	13	45	20	64	5	128	202	330	1.88	3.30	1.67
L 4526	MMS-0	C-2	< 5	6	11	9	29	< 5	< 5	10	91	65	156	1.27	1.60	0.87
L 4527	MMS-0	C-3	16	30	45	9	51	5	94	11	217	282	499	3.13	3.55	1.75
L 4528	MMS-0	C-4	38	60	172	19	187	7	270	32	690	902	1592	1.98	5.78	1.50
L 4529	MMS-0	D-2	7	13	6	7	< 5	6	< 5	< 5	151	64	215	1.03	0.78	0.48
L 4530	MMS-0	D-3	< 5	< 5	18	7	29	< 5	92	5	103	151	254	1.35	11.58	1.89
L 4531	MMS-0	D-4	< 5	5	34	11	45	43	48	8	112	200	312	1.39	1.99	2.20
L 4532	MMS-0	M-1	< 5	< 5	< 5	< 5	18	< 5	78	6	82	102	184	7.20	16.00	1.24
L 4533	MMS-0	M-2	5	6	< 5	< 5	13	< 5	64	< 5	40	88	128	1.35	13.67	2.20
L 4534	MMS-0	M-3	11	15	27	16	174	57	89	36	185	441	626	1.22	2.37	2.69
L 4535	MMS-0	M-4	10	22	38	8	56	29	129	10	208	317	525	2.97	3.23	2.10
W 6233	MMS-1	C-1	170	19	85	9	87	9	56	< 5	1322	455	1777	1.14	8.89	0.38
W 6234	MMS-1	C-2	161	< 5	83	15	123	27	50	< 5	924	478	1402	1.22	8.19	0.56
W 6235	MMS-1	C-3	226	32	128	26	139	21	17	< 5	1475	616	2091	1.20	5.55	0.46
W 6236	MMS-1	C-4	172	< 5	125	20	183	20	19	< 5	1245	565	1810	1.15	9.66	0.49
W 6237	MMS-1	D-1	180	5	13	< 5	13	< 5	6	< 5	54	217	271	0.71	42.40	4.52
W 6238	MMS-1	D-2	190	5	9	< 5	8	< 5	9	< 5	122	221	343	1.02	43.20	2.10
W 6239	MMS-1	D-3	81	12	18	< 5	20	< 5	21	< 5	473	162	635	1.17	6.36	0.43
W 6240	MMS-1	D-4	37	47	65	< 5	88	< 5	20	< 5	382	274	656	0.71	3.98	0.88
W 6241	MMS-1	M-1	121	8	23	< 5	23	5	17	< 5	245	216	461	1.07	8.00	1.06
W 6242	MMS-1	M-2	143	5	22	< 5	26	< 5	26	< 5	283	228	511	1.32	19.73	0.97
W 6243	MMS-1	M-3	132	14	46	6	55	7	7	< 5	1115	325	1440	1.30	3.06	0.32
W 6244	MMS-1	M-4	157	5	97	11	107	16	15	< 5	1469	424	1893	1.17	7.83	0.32
W7734	MMS-2	C-1	49	12	53	13	84	14	14	< 5	233	249	482	0.24	4.65	1.16
W7735	MMS-2	C-2	50	20	108	21	182	27	< 5	< 5	297	441	738	0.28	3.84	1.71
W7736	MMS-2	C-3	38	13	47	11	85	11	< 5	< 5	306	222	528	0.29	3.74	0.77
W7737	MMS-2	C-4	92	7	373	96	458	63	< 5	< 5	457	1448	1905	0.39	6.65	3.53
W7738	MMS-2	D-1	60	< 5	8	16	10	13	< 5	< 5	205	117	322	0.20	2.23	0.63
W7739	MMS-2	D-2	59	10	8	6	15	< 5	< 5	< 5	184	115	299	0.08	4.43	0.68
W7740	MMS-2	D-3	49	6	103	30	165	36	20	< 5	305	430	735	0.28	4.11	1.94
W7741	MMS-2	D-4	62	< 5	40	103	23	5	17	< 5	167	264	431	0.16	1.29	1.68
W7742	MMS-2	M-1	53	38	26	8	68	11	99	< 5	263	310	573	0.72	4.01	1.25
W7743	MMS-2	M-2	41	< 5	75	19	181	29	< 5	< 5	409	364	773	0.41	5.47	1.03
W7744	MMS-2	M-3	63	< 5	< 5	5	< 5	< 5	< 5	< 5	205	84	289	0.85	6.22	0.41
W7745	MMS-2	M-4	50	< 5	12	3	26	< 5	13	< 5	251	114	365	0.82	9.59	0.48

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HIGH MOLECULAR WEIGHT HYDROCARBONS - ALKANES

C - Possible coelution of non-hydrocarbon peak

* - Peaks may be present but less than the limit of quantification

FILE #	CRUISE	TRANSECT STATION	NORMAL ALKANE CONCENTRATIONS								TOTAL ALKALINITIES					
			N-C25 (ppb)	N-C26 (ppb)	N-C27 (ppb)	N-C28 (ppb)	N-C29 (ppb)	N-C30 (ppb)	N-C31 (ppb)	N-C32 (ppb)	<N-C23 (ppb)	>N-C23 (ppb)	N-C15 TO N-C32 (ppb)	<N-C23	CPI >N-C23	ALKANES >N-C23/ <N-C23
W11535	MMS-3	C-1	42	11	85	8	73	14	55	9	164	323	487	1.14	4.86	2.16
W11536	MMS-3	C-2	126	29	227	56	359	39	218	26	256	1141	1397	1.06	5.25	5.04
W11537	MMS-3	C-3	108	30	200	55	329	25	136	32	185	966	1150	0.99	4.80	6.39
W11538	MMS-3	C-4	184	81	315	87	468	47	291	41	321	1625	1946	0.88	4.40	5.70
W11539	MMS-3	D-1	19	< 5	14	< 5	11	< 5	9	< 5	37	63	100	0.85	5.25	1.69
W11892	MMS-3	D-2	33	9	19	< 5	27	11	11	6	66	133	199	1.73	2.64	2.22
W11541	MMS-3	D-3	45	26	84	16	77	17	56	9	107	375	482	1.19	3.55	3.89
W11542	MMS-3	D-4	297	35	260	32	270	32	111	17	177	1117	1294	1.07	7.09	6.71
W11543	MMS-3	M-1	53	10	150	25	100	20	43	11	80	438	517	1.32	4.91	6.08
W11544	MMS-3	M-2	28	9	44	12	43	11	29	15	32	212	244	1.21	2.74	6.61
W11545	MMS-3	M-3	258	115	159	83	155	73	103	41	392	1139	1531	0.92	1.87	3.15
W11546	MMS-3	M-4	135	35	155	36	207	40	90	35	160	793	953	1.13	3.62	5.83
W12656	MMS-4	C-1	63	16	85	19	120	17	61	C	457	400	857	1.76	5.45	1.83
W12657	MMS-4	C-2	203	39	353	80	549	94	394	140	148	1941	2089	1.13	4.03	17.49
W12658	MMS-4	C-3	220	58	435	111	739	123	383	31	197	2214	2411	2.12	5.02	14.19
W12659	MMS-4	C-4	321	93	558	153	917	138	488	29	199	2958	3157	1.16	5.28	15.90
W12652	MMS-4	D-1	C	5	9	< 5	12	< 5	< 5	C	101	32	133	*	1.91	0.91
W12653	MMS-4	D-2	148	7	75	5	22	< 5	< 5	C	81	274	355	11.17	13.42	3.75
W12654	MMS-4	D-3	30	21	36	10	35	11	17	C	69	174	243	2.94	2.41	2.76
W12655	MMS-4	D-4	108	39	180	34	188	30	120	C	161	734	895	2.00	5.55	6.61
W12660	MMS-4	M-1	188	42	253	63	357	49	181	C	554	1170	1724	1.63	6.09	5.57
W12661	MMS-4	M-2	278	10	130	12	60	10	34	C	81	553	633	1.98	13.73	6.86
W12662	MMS-4	M-3	31	23	65	12	84	12	45	C	123	297	420	2.13	4.12	3.16
W12663	MMS-4	M-4	278	59	383	84	566	106	314	21	115	1880	1995	1.25	5.48	16.35

HIGH MOLECULAR WEIGHT HYDROCARBONS - ALKANES

C - Possible coelution of non-hydrocarbon peak

* - Peaks may be present but less than the limit of quantification

FILE #	CRUISE	TRANSECT STATION	ALKANE RATIOS			LOW-END PERCENTAGES					DATE
			PRIS/ PHYT	PRIS/ N-C17	PHYT/ N-C18	N-C17/ N-C18	N-C16-C18/ N-C19-C22	N-C16/ N-C16-C22	N-C17/ N-C16-C22	N-C18/ N-C16-C22	
L 4525	MMS-0	C-1	*	*	0.44	1.31	0.82	12.4	18.6	14.2	11/7/88
L 4526	MMS-0	C-2	2.20	*	0.42	0.00	0.44	12.3	*	18.5	11/7/88
L 4527	MMS-0	C-3	1.67	2.19	1.40	1.07	0.38	6.8	10.8	10.1	11/7/88
L 4528	MMS-0	C-4	3.24	1.06	0.21	0.65	0.67	8.6	12.5	19.1	11/7/88
L 4529	MMS-0	D-2	0.73	0.80	0.42	0.38	1.12	18.9	9.4	24.5	11/7/88
L 4530	MMS-0	D-3	1.56	1.56	0.69	0.69	0.82	13.0	13.0	18.8	11/7/88
L 4531	MMS-0	D-4	2.00	2.80	0.41	0.29	0.55	8.5	6.1	20.7	11/7/88
L 4532	MMS-0	M-1	*	*	*	1.50	0.22	0.0	11.0	7.3	11/7/88
L 4533	MMS-0	M-2	*	*	*	0.71	0.94	14.3	14.3	20.0	11/7/88
L 4534	MMS-0	M-3	1.10	1.22	0.32	0.29	0.69	12.7	6.3	21.8	11/7/88
L 4535	MMS-0	M-4	2.00	2.92	1.12	0.76	0.36	5.0	9.3	12.1	11/7/88
W 6233	MMS-1	C-1	0.77	0.14	0.37	2.10	4.70	27.5	37.2	17.7	2/22/88
W 6234	MMS-1	C-2	0.59	0.09	0.66	4.12	20.03	45.8	39.8	9.7	2/22/88
W 6235	MMS-1	C-3	0.65	0.13	0.82	4.17	10.07	41.9	39.6	9.5	2/22/88
W 6236	MMS-1	C-4	0.73	0.12	0.68	4.21	8.37	43.4	37.1	8.8	2/22/88
W 6237	MMS-1	D-1	*	*	*	*	7.20	56.1	31.7	*	2/22/88
W 6238	MMS-1	D-2	0.55	0.19	1.38	4.00	7.18	43.3	35.6	8.9	2/22/88
W 6239	MMS-1	D-3	1.00	0.40	0.92	2.34	5.61	30.2	38.3	16.4	2/22/88
W 6240	MMS-1	D-4	3.38	0.67	0.31	1.56	5.47	36.7	29.1	18.7	2/22/88
W 6241	MMS-1	M-1	0.83	0.38	1.64	3.57	3.00	36.9	29.8	8.3	2/22/88
W 6242	MMS-1	M-2	0.81	0.34	1.69	4.06	3.89	36.0	34.9	8.6	2/22/88
W 6243	MMS-1	M-3	0.90	0.18	0.88	4.47	10.95	43.8	39.1	8.8	2/22/88
W 6244	MMS-1	M-4	0.82	0.17	0.82	4.05	13.88	47.0	37.1	9.2	2/22/88
W7734	MMS-2	C-1	0.50	0.43	0.12	0.14	2.23	15.7	6.7	46.7	5/7/88
W7735	MMS-2	C-2	0.70	1.14	0.16	0.10	2.71	9.4	5.7	58.0	5/7/88
W7736	MMS-2	C-3	0.80	0.30	0.08	0.21	2.96	18.1	9.7	46.9	5/7/88
W7737	MMS-2	C-4	0.96	0.41	0.18	0.42	2.01	17.4	14.5	34.8	5/7/88
W7738	MMS-2	D-1	2.80	0.93	0.05	0.14	4.20	13.2	8.2	59.3	5/7/88
W7739	MMS-2	D-2	1.00	1.14	0.07	0.06	11.92	18.5	4.2	69.6	5/7/88
W7740	MMS-2	D-3	1.63	3.25	0.25	0.13	3.37	10.7	7.5	58.9	5/7/88
W7741	MMS-2	D-4	1.00	0.50	0.05	0.10	4.70	11.0	6.5	64.9	5/7/88
W7742	MMS-2	M-1	1.14	1.14	0.06	0.06	3.82	7.9	4.3	67.1	5/7/88
W7743	MMS-2	M-2	1.70	0.89	0.14	0.27	1.66	10.6	11.1	40.8	5/7/88
W7744	MMS-2	M-3	*	*	*	*	*	10.8	*	89.2	5/7/88
W7745	MMS-2	M-4	1.40	0.70	0.05	0.10	3.46	9.0	6.4	62.2	5/7/88

A-19

HIGH MOLECULAR WEIGHT HYDROCARBONS - ALKANES

C - Possible coelution of non-hydrocarbon peak

* - Peaks may be present but less than the limit of quantification

FILE #	CRUISE	TRANSECT STATION	ALKANE RATIOS			LOW-END PERCENTAGES				
			PRIS/ PHYT	PRIS/ N-C17	PHYT/ N-C18	N-C17/ N-C18	N-C16-C18/ N-C19-C22	N-C16/ N-C16-C22	N-C17/ N-C16-C22	N-C18/ N-C16-C22
W11535	MMS-3	C-1	*	0.53	*	2.19	1.08	20.5	21.6	9.8
W11536	MMS-3	C-2	3.14	0.54	0.44	2.53	1.20	23.8	22.0	8.7
W11537	MMS-3	C-3	1.39	0.74	0.88	1.66	1.11	18.0	21.6	13.1
W11538	MMS-3	C-4	2.13	0.50	0.42	1.78	1.16	20.7	21.2	11.9
W11539	MMS-3	D-1	*	*	*	0.83	4.00	36.0	20.0	24.0
W11892	MMS-3	D-2	*	*	*	*	0.75	22.4	20.4	*
W11541	MMS-3	D-3	*	0.57	*	1.48	1.39	14.2	26.2	17.7
W11542	MMS-3	D-4	*	0.28	*	2.84	1.52	25.5	25.8	9.1
W11543	MMS-3	M-1	*	0.39	*	4.22	1.16	10.9	34.5	8.2
W11544	MMS-3	M-2	*	*	*	*	2.15	39.0	29.3	*
W11545	MMS-3	M-3	1.36	0.37	0.44	1.60	0.63	15.5	14.3	8.9
W11546	MMS-3	M-4	1.67	0.60	0.60	1.67	0.99	13.9	22.4	13.5
W12656	MMS-4	C-1	2.03	2.62	*	*	1.53	27.6	33.0	*
W12657	MMS-4	C-2	0.23	0.58	*	*	0.69	26.5	14.5	*
W12658	MMS-4	C-3	1.56	0.74	*	*	1.00	22.1	27.9	*
W12659	MMS-4	C-4	1.60	0.40	*	*	0.75	29.3	13.6	*
W12652	MMS-4	D-1	0.74	1.87	*	*	1.15	*	53.6	*
W12653	MMS-4	D-2	*	0.89	*	*	0.31	9.4	14.1	*
W12654	MMS-4	D-3	*	*	*	*	0.32	24.4	*	*
W12655	MMS-4	D-4	*	2.78	*	*	0.55	16.7	18.8	*
W12660	MMS-4	M-1	2.02	2.95	*	*	4.28	34.9	46.2	*
W12661	MMS-4	M-2	*	*	*	*	0.61	37.9	0.0	0.0
W12662	MMS-4	M-3	1.23	1.23	*	*	0.54	18.2	16.9	*
W12663	MMS-4	M-4	*	*	*	*	0.84	26.5	19.3	*

Trace Metals

TRACE METALS

Cruise	Sample	Ag (ppb)	As (ppm)	Ba (ppm)	Cd (ppb)	Cr (ppm)	Cu (ppm)	Fe (%)	Hg (ppb)	Mn (ppm)	Ni (ppm)	Pb (ppm)	Se (ppm)	Sn (ppm)	Zn (ppm)
MMS-0	I-C-1	49	12	333	49	47	8	2.20	66	346	8	15	<0.5	1.9	55
MMS-0	I-C-2	18	1	150	19	15	2	0.66	15	141	3	5	<0.5	0.4	20
MMS-0	I-C-3	92	15	895	130	84	22	4.20	83	1239	27	33	<0.5	3.3	126
MMS-0	I-C-4	118	14	890	204	84	23	4.20	96	664	31	34	0.6	2.9	124
MMS-0	I-M-1	11	3	70	13	7	1	0.32	8	65	1	2	<0.5	0.4	11
MMS-0	I-M-2	11	2	44	4	6	1	0.26	8	40	1	2	<0.5	<0.1	8
MMS-0	I-M-3	39	6	170	50	30	6	2.34	24	367	10	10	<0.5	1.4	55
MMS-0	I-M-4	56	8	525	143	76	23	3.58	70	329	31	33	0.6	4.4	71
MMS-0	I-D-1														
MMS-0	I-D-2	22	7	<18	90	13	1	1.13	28	202	4	2	<0.5	0.1	10
MMS-0	I-D-3	12	5	125	83	35	8	2.47	22	264	14	5	0.9	0.1	42
MMS-0	I-D-4	49	4	195	148	52	17	1.79	41	371	23	11	1.2	1.3	56
MMS-1	II-C-1	47	12	310	52	45	8	2.02	27	334	15	15	<0.5	1.0	48
MMS-1	II-C-2	53	10	510	70	62	11	2.80	47	481	18	24	<0.5	1.4	90
MMS-1	II-C-3	76	9	910	140	79	23	3.80	63	433	28	30	<0.5	2.2	137
MMS-1	II-C-4	112	10	770	179	86	22	4.10	81	148	39	40	0.6	2.2	154
MMS-1	II-M-1	19	1	75	4	15	1	0.35	<5	47	1	<1	<0.5	0.1	2
MMS-1	II-M-2	<10	2	95	11	14	1	0.49	8	74	1	1	<0.5	0.1	7
MMS-1	II-M-3	<10	5	180	54	36	12	2.40	22	271	15	11	<0.5	0.9	59
MMS-1	II-M-4	99	8	510	126	72	19	3.38	85	200	43	32	0.8	1.6	79
MMS-1	II-D 1	<10	2	55	4	16	1	0.20	7	12	4	2	<0.5	<0.1	<2
MMS-1	II-D-2	<10	1	10	4	5	1	0.13	7	20	1	<1	<0.5	0.3	<2
MMS-1	II-D-3	<10	10	50	59	23	15	2.39	16	484	9	9	1.2	0.4	25
MMS-1	II-D-4	21	3	140	162	48	19	1.64	44	302	20	9	1.1	0.8	55
MMS-2	III-C-1	12	15	337	23	36	5	1.75	66	201	11	14	<0.5	0.3	50
MMS-2	III-C-2	35	17	452	64	60	13	3.21	43	495	22	21	<0.5	1.5	97
MMS-2	III-C-3	23	6	604	50	41	10	2.27	39	168	13	18	<0.5	1.2	73
MMS-2	III-C-4	157	15	941	99	79	23	4.32	113	324	24	38	0.8	2.0	134
MMS-2	III-M-1	<10	4	45	21	2	1	0.17	<5	52	5	2	<0.5	<0.1	8
MMS-2	III-M-2	45	2	95	11	7	1	0.30	49	38	7	3	<0.5	0.7	11
MMS-2	III-M-3	36	4	196	48	36	6	2.51	21	325	14	12	<0.5	1.8	58
MMS-2	III-M-4	90	8	414	101	75	18	3.57	93	480	27	29	0.7	2.6	97
MMS-2	III-D-1	11	5	39	8	1	1	0.04	30	17	<1	1	<0.5	<0.1	6
MMS-2	III-D-2	<10	3	24	11	1	1	0.14	<5	23	<1	2	<0.5	<0.1	7
MMS-2	III-D-3	<10	12	56	31	14	2	1.52	44	349	11	8	1.6	0.2	27
MMS-2	III-D-4	48	5	178	105	42	15	1.52	20	312	22	16	0.8	0.4	59

TRACE METALS

Cruise	Sample	Ag (ppb)	As (ppm)	Ba (ppm)	Cd (ppb)	Cr (ppm)	Cu (ppm)	Fe (%)	Hg (ppb)	Mn (ppm)	Ni (ppm)	Pb (ppm)	Se (ppm)	Sn (ppm)	Zn (ppm)
MMS-3	IV-C-1	33	5	185	16	25	3	0.90	20	180	5	8	0.2	0.6	37.8
MMS-3	IV-C-2	65	13	440	65	64	12	2.93	47	515	22	20	0.3	2.0	105.4
MMS-3	IV-C-3	80	14	720	115	78	22	3.77	70	345	25	23	0.2	2.4	124.7
MMS-3	IV-C-4	95	10	790	175	84	18	4.02	85	430	27	29	0.1	2.8	150.0
MMS-3	IV-M-1	11	2	90	43	9	1	0.38	14	40	2	1	<0.10	<0.20	18.5
MMS-3	IV-M-2	5	<1.0	65	15	12	1	0.36	6	65	3	3	<0.10	0.3	17.5
MMS-3	IV-M-3	29	6	250	50	42	6	2.45	20	340	14	13	0.2	0.9	80.0
MMS-3	IV-M-4	65	7	390	120	72	16	3.34	50	390	30	24	0.3	2.2	125.0
MMS-3	IV-D-1	12	<1.0	42	<10.	7	1	0.088	6	11	1	1	<0.10	0.6	11.4
MMS-3	IV-D-2	<10	7	31	41	10	1	0.75	11	145	3	4	<0.10	<0.20	19.8
MMS-3	IV-D-3	26	13	75	105	26	3	1.80	20	395	10	10	0.6	0.2	39.7
MMS-3	IV-D-4	31	2	165	135	48	4	1.62	39	335	21	11	0.6	1.0	65.0
MMS-4	V-C-1	55	8	155	20	26	3	0.92	25	188	1	7	<0.2	0.4	25
MMS-4	V-C-2	70	14	660	55	64	15	2.96	57	520	30	21	<0.2	1.5	86
MMS-4	V-C-3	84	16	755	99	79	25	3.92	83	487	40	29	0.3	2.1	129
MMS-4	V-C-4	104	14	790	181	88	24	4.19	104	514	42	36	0.5	2.6	134
MMS-4	V-M-1	30	12	295	28	33	6	1.31	39	214	9	9	0.4	0.5	39
MMS-4	V-M-2	21	3	85	24	11	2	0.44	22	70	3	3	<0.2	<0.2	8
MMS-4	V-M-3	34	4	150	37	37	4	1.18	21	278	7	10	<0.2	0.7	43
MMS-4	V-M-4	65	9	420	78	74	21	3.52	66	433	39	23	0.3	2.0	106
MMS-4	V-D-1	13	2	45	8	6	1	0.13	3	18	1	2	<0.2	<0.2	<5
MMS-4	V-D-2	<10	3	16	19	4	1	0.17	5	44	1	2	<0.2	<0.2	7
MMS-4	V-D-3	21	13	55	123	16	2	1.42	22	337	8	7	<0.2	<0.2	19
MMS-4	V-D-4	34	5	190	165	50	14	1.69	57	331	22	15	1.0	0.9	52

Sediment Analysis

Sediment Texture Summary Arranged by Sample

Sediment Texture Summary Arranged by Sample

Cruise B-0

STATION PHI SIZE	C1-1	C1-2	C1-3	C1-7	C1-8	C1-9	C2-1	C2-2	C2-3	C2-7	C2-8	C2-9	C3-1	C3-2	C3-3
WEIGHT PERCENT															
-1.50	0.00	0.03	0.00	0.00	0.36	0.23	0.29	9.75	0.44	1.70	0.45	1.01	0.00	0.00	0.00
-1.00	0.02	0.02	0.00	0.07	0.00	0.03	0.40	4.88	0.40	0.54	0.06	0.39	0.00	0.00	0.00
-0.50	0.02	0.13	0.04	0.01	0.15	0.13	0.35	4.40	0.44	0.63	0.53	1.31	0.00	0.00	0.00
0.00	0.03	0.06	0.09	0.06	0.13	0.13	0.48	3.87	0.59	0.81	0.72	1.02	0.00	0.00	0.00
0.50	0.06	0.07	0.13	0.10	0.09	0.10	0.60	5.17	1.00	1.54	0.68	1.03	0.00	0.00	0.00
1.00	0.05	0.08	0.36	0.10	0.08	0.08	0.54	5.08	0.91	1.96	1.02	0.99	0.00	0.00	0.00
1.50	0.26	0.28	0.25	0.33	0.33	0.24	4.41	21.81	8.77	14.08	10.70	10.48	0.00	0.02	0.00
2.00	0.49	0.51	0.71	0.65	0.54	0.45	18.93	20.98	28.65	24.67	30.03	33.70	0.00	0.00	0.01
2.50	1.27	1.19	1.43	1.45	1.17	0.98	30.97	5.71	22.20	13.35	24.77	20.37	0.02	0.02	0.02
3.00	2.18	2.11	2.39	2.09	2.00	1.88	11.14	0.98	4.70	2.77	4.83	3.19	0.13	0.07	0.05
3.50	13.00	10.97	11.78	12.02	12.87	10.96	3.98	0.38	1.38	1.23	1.91	1.25	0.09	0.13	0.10
4.00	13.39	13.60	18.35	14.41	13.37	13.77	1.04	0.16	0.36	0.35	0.50	0.36	0.07	0.04	0.07
4.50	18.92	18.20	19.19	16.12	18.47	18.43	1.13	0.24	0.77	0.11	0.07	0.63	1.80	1.95	1.00
5.00	1.42	2.61	2.22	1.56	1.13	1.42	0.29	0.05	0.30	0.07	0.29	0.11	1.74	1.26	1.27
5.50	2.47	2.55	2.22	2.92	2.75	2.03	0.40	0.32	0.10	0.22	0.47	0.75	1.29	1.82	1.47
6.00	1.68	1.96	1.43	1.51	1.72	1.36	0.15	0.32	0.40	0.67	0.11	0.04	2.96	2.01	2.74
7.00	2.52	2.61	2.11	2.72	1.18	1.79	1.20	0.11	0.44	0.85	0.11	0.63	5.09	3.58	4.20
8.00	1.58	1.90	1.53	2.37	1.56	1.85	0.11	0.37	1.14	0.92	0.25	0.67	6.77	6.67	7.07
9.00	2.68	0.49	2.27	1.36	2.21	2.65	0.98	0.45	1.14	1.74	0.43	1.34	8.83	9.05	8.81
10.00	3.57	5.16	2.91	3.68	2.32	2.96	1.60	0.50	1.37	2.14	0.83	1.60	9.80	8.17	9.61
10.00+	33.04	34.63	29.52	34.27	36.80	37.76	21.00	14.39	24.41	29.63	21.16	19.04	61.42	65.15	63.48
% GRAVEL															
% GRAVEL	0.02	0.05	0.00	0.07	0.36	0.26	0.69	14.63	0.84	2.24	0.51	1.39	0.00	0.00	0.00
% SAND															
% SAND	30.75	29.00	35.53	31.24	30.74	28.71	72.44	68.54	68.99	61.40	75.69	73.70	0.30	0.28	0.26
% SILT															
% SILT	28.60	29.82	28.71	27.20	26.82	26.88	3.27	1.40	3.15	2.85	1.29	2.84	19.65	17.29	17.75
% CLAY															
% CLAY	39.29	40.28	34.70	39.31	41.33	43.37	23.58	15.35	26.92	33.52	22.42	21.99	80.04	82.37	81.90
% SIEVE LOSS															
% SIEVE LOSS	0.27	0.18	0.00	0.12	0.06	0.13	0.00	0.08	0.10	0.00	0.08	0.08	0.00	0.05	0.05
% TOTAL															
% TOTAL	98.93	99.34	98.94	97.93	99.30	99.35	99.97	100.00	99.99	100.00	99.99	99.99	100.00	99.99	99.97
MEAN PHI															
MEAN PHI	6.95	7.19	6.55	6.94	7.06	7.23	4.44	2.46	4.56	5.02	4.07	3.95	10.32	10.43	10.43
SORTING															
SORTING	3.59	3.64	3.58	3.63	3.72	3.70	3.96	4.05	4.28	4.65	4.04	4.06	1.91	1.85	1.77
SKEWNESS															
SKEWNESS	0.32	0.13	0.50	0.31	0.19	0.12	1.07	1.50	0.89	0.55	1.20	1.16	-1.71	-1.88	-1.80
KURTOSIS															
KURTOSIS	1.31	1.25	1.48	1.33	1.32	1.28	2.39	3.89	1.96	1.47	2.62	2.60	5.13	5.86	5.64

A-29

Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-0

STATION PHI SIZE	C3-7	C3-8	C3-9	C4-1	C4-2	C4-3	C4-7	C4-8	C4-9	M1-1	M1-2	M1-3	M1-4	M1-7	M1-8
WEIGHT PERCENT															
-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.26	0.08	1.08
-1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.08	0.02	0.12	0.31	0.27
-0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.09	0.06	0.15	0.13	0.37
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.16	0.11	0.24	0.25	0.57
0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.20	0.13	0.25	0.34	0.58
1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.24	0.13	0.26	0.28	0.49
1.50	0.00	0.02	0.02	0.01	0.01	0.01	0.00	0.02	0.00	2.66	1.95	1.45	2.89	2.32	4.16
2.00	0.03	0.02	0.01	0.01	0.01	0.00	0.00	0.02	0.01	12.76	9.19	10.49	11.73	9.63	13.28
2.50	0.02	0.04	0.02	0.02	0.01	0.01	0.02	0.03	0.02	24.05	24.32	29.32	25.41	23.26	26.30
3.00	0.06	0.07	0.05	0.02	0.02	0.02	0.03	0.04	0.03	28.05	34.12	36.38	34.35	35.48	29.45
3.50	0.12	0.10	0.11	0.04	0.03	0.04	0.05	0.06	0.04	12.03	14.92	12.68	13.92	15.39	10.62
4.00	0.05	0.06	0.06	0.00	0.00	0.03	0.03	0.02	0.02	1.74	1.77	1.29	1.33	1.94	1.15
4.50	1.01	0.22	0.70	0.21	0.00	0.06	0.05	0.26	0.05	0.06	0.50	0.02	0.19	0.04	0.04
5.00	1.75	1.08	0.76	0.98	0.65	0.00	0.67	0.58	0.16	0.06	0.22	0.11	0.04	0.31	0.22
5.50	2.43	2.48	1.11	1.08	0.12	1.10	0.10	1.28	0.27	0.03	0.06	0.03	0.02	0.15	0.08
6.00	2.12	2.59	2.10	3.85	2.85	2.54	2.83	2.69	2.19	0.15	0.03	0.03	0.06	0.19	0.12
7.00	3.97	5.18	4.21	5.08	5.34	5.78	5.67	5.64	5.30	0.06	0.06	0.08	0.04	0.04	0.04
8.00	6.14	4.86	6.95	6.52	6.47	7.11	6.49	6.09	7.10	0.09	0.03	0.05	0.09	0.00	0.12
9.00	7.67	7.67	8.18	8.01	7.30	8.33	8.65	9.16	8.25	0.18	0.17	0.07	0.11	0.13	0.26
10.00	9.47	8.26	6.48	10.47	10.91	9.89	11.59	12.62	10.54	0.78	0.39	0.11	0.15	0.22	3.98
10.00+	65.14	67.33	69.23	63.70	66.24	65.03	63.76	61.46	65.93	16.35	11.43	7.40	8.33	9.39	6.78
% GRAVEL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.15	0.02	0.38	0.39	1.34
% SAND	0.27	0.30	0.27	0.11	0.09	0.11	0.13	0.19	0.11	82.10	86.96	92.04	90.54	89.03	86.97
% SILT	17.41	16.41	15.83	17.71	15.42	16.59	15.81	16.53	15.08	0.45	0.90	0.33	0.44	0.72	0.61
% CLAY	82.28	83.25	83.89	82.18	84.45	83.24	84.00	83.24	84.73	17.30	11.99	7.58	8.59	9.75	11.02
% SIEVE LOSS	0.04	0.03	0.02	0.00	0.05	0.06	0.05	0.04	0.08	0.02	0.00	0.02	0.05	0.03	0.04
% TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	99.99	100.00	100.00	100.00	100.00	99.98	100.00	99.91	99.99
MEAN PHI	10.44	10.51	10.60	10.49	10.63	10.58	10.57	10.49	10.64	4.02	3.63	3.20	3.25	3.40	3.31
SORTING	1.85	1.76	1.65	1.68	1.49	1.52	1.52	1.62	1.43	3.46	2.95	2.44	2.61	2.73	2.87
SKEWNESS	-1.88	-1.89	-2.00	-1.72	-1.81	-1.64	-1.73	-1.76	-1.72	1.59	2.14	2.90	2.59	2.40	2.09
KURTOSIS	5.76	5.87	6.62	5.24	5.80	4.93	5.55	5.68	5.51	3.78	5.98	10.12	8.56	7.47	6.32

A-30

Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-0

STATION PHI SIZE	M2-1	M2-2	M2-3	M2-7	M2-8	M2-9	M3-1	M3-2	M3-3	M3-7	M3-8	M3-9	M4-1	M4-2	M4-3
WEIGHT PERCENT															
-1.50	0.03	0.43	0.19	0.00	0.27	0.00	0.04	0.10	0.00	0.17	0.06	0.31	0.00	0.00	0.00
-1.00	0.31	0.52	0.10	0.03	0.06	0.09	0.26	0.17	0.34	0.04	0.46	0.14	0.00	0.00	0.07
-0.50	0.35	0.40	0.08	0.09	0.15	0.29	0.32	0.15	0.20	0.17	0.20	0.10	0.01	0.02	0.00
0.00	0.40	0.56	0.07	0.15	0.26	0.24	0.32	0.27	0.28	0.30	0.25	0.27	0.02	0.02	0.01
0.50	0.73	1.10	0.16	0.40	0.43	0.51	0.47	0.52	0.49	0.40	0.63	0.64	0.07	0.04	0.04
1.00	1.06	1.68	0.27	0.86	0.80	1.00	0.45	0.55	0.66	0.50	0.58	0.53	0.05	0.13	0.11
1.50	24.95	26.51	10.18	16.19	16.85	19.12	3.56	4.31	3.92	3.81	5.36	3.92	0.13	0.13	0.14
2.00	50.36	46.33	55.03	56.98	56.54	53.14	14.15	18.89	12.21	13.17	20.28	14.22	0.24	0.19	0.18
2.50	10.17	9.93	17.84	11.76	11.77	12.66	22.99	25.22	17.73	19.69	24.39	17.71	0.22	0.20	0.19
3.00	0.99	1.10	2.46	1.34	1.14	1.22	11.84	13.48	10.38	12.89	11.98	8.76	0.28	0.23	0.26
3.50	0.29	0.38	1.31	0.74	0.55	0.61	8.94	9.64	8.26	11.07	8.81	7.81	0.56	0.52	0.62
4.00	0.03	0.05	0.19	0.07	0.09	0.08	2.00	2.81	2.25	2.58	2.05	1.88	0.46	0.33	0.35
4.50	0.03	0.19	0.21	0.30	0.11	0.11	2.10	2.38	2.34	2.68	2.26	2.15	1.67	0.03	0.57
5.00	0.70	0.25	0.42	0.32	0.35	0.16	0.91	1.40	1.71	1.53	1.06	1.81	4.40	2.47	2.26
5.50	0.03	0.51	0.00	0.50	0.19	0.52	1.00	0.55	1.44	0.92	0.35	0.90	1.03	3.59	2.50
6.00	0.05	0.14	0.04	0.07	0.05	0.20	0.75	0.49	0.97	0.92	0.90	0.10	2.37	1.66	0.54
7.00	0.25	0.02	0.32	0.09	0.14	0.11	1.04	0.97	0.97	1.55	0.53	2.15	4.27	4.06	4.18
8.00	0.10	0.07	0.05	0.02	0.35	0.05	1.83	0.11	1.51	1.20	0.51	0.82	5.14	5.28	5.97
9.00	0.02	0.18	0.30	0.04	0.04	0.09	1.62	1.16	3.09	0.85	0.71	2.89	9.44	10.70	10.87
10.00	2.73	0.16	0.37	0.34	0.16	0.29	2.43	1.53	3.07	2.20	1.12	2.89	10.44	11.61	11.07
10.00+	6.40	9.49	10.39	9.73	9.69	9.45	22.97	15.17	28.18	23.33	17.42	29.86	59.11	58.77	60.06
% GRAVEL	0.35	0.95	0.29	0.03	0.33	0.09	0.30	0.27	0.34	0.20	0.52	0.45	0.00	0.00	0.07
% SAND	89.33	88.03	87.58	88.58	88.58	88.87	65.05	75.85	56.38	64.57	74.53	55.85	2.05	1.82	1.89
% SILT	1.17	1.17	1.04	1.29	1.20	1.15	7.63	5.91	8.94	8.78	5.62	7.93	18.88	17.10	16.03
% CLAY	9.15	9.83	11.06	10.10	9.88	9.83	27.03	17.86	34.33	26.38	19.25	35.65	78.99	81.08	82.00
% SIEVE LOSS	0.00	0.02	0.03	0.00	0.01	0.06	0.00	0.12	0.00	0.06	0.08	0.11	0.08	0.01	0.01
% TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.99	100.00	100.00	100.00	100.00	100.00
MEAN PHI	2.51	2.57	2.86	2.68	2.65	2.65	5.04	4.08	5.69	5.06	4.17	5.75	10.09	10.21	10.27
SORTING	2.83	3.01	3.09	3.00	3.01	2.97	4.02	3.52	4.21	3.98	3.68	4.29	2.28	2.10	2.07
SKEWNESS	2.63	2.47	2.31	2.49	2.48	2.51	0.79	1.41	0.46	0.82	1.30	0.42	-1.75	-1.92	-2.09
KURTOSIS	8.31	7.55	6.63	7.44	7.46	7.62	1.87	3.38	1.43	1.92	3.03	1.38	5.23	6.29	7.30

A-31

Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-0

STATION PHI SIZE	M4-7	M4-8	M4-9	D1-1	D1-2	D3-1	D3-2	D3-3	D3-7	D3-8	D3-9	D4-1	D4-2	D4-3	D4-7	D4-8	D4-9
WEIGHT PERCENT																	
-1.50	0.00	0.00	0.00	0.02	0.11	0.01	1.14	0.00	0.00	0.32	0.23	0.09	0.00	0.16	0.00	0.00	0.00
-1.00	0.00	0.00	0.01	0.00	0.20	0.00	1.22	0.24	0.13	0.30	0.24	0.00	0.00	0.00	0.00	0.03	0.00
-0.50	0.00	0.02	0.01	0.07	0.21	0.05	0.88	0.27	0.15	0.59	0.32	0.07	0.00	0.00	0.00	0.00	0.00
0.00	0.04	0.04	0.02	0.20	0.42	0.11	0.84	0.61	0.26	0.55	0.51	0.06	0.10	0.08	0.04	0.01	0.00
0.50	0.04	0.04	0.03	0.44	0.79	0.14	0.75	0.62	0.29	0.53	0.51	0.15	0.12	0.13	0.09	0.04	0.04
1.00	0.05	0.06	0.04	0.70	0.81	0.22	0.50	0.46	0.28	0.44	0.37	0.35	0.15	0.16	0.11	0.08	0.08
1.50	0.21	0.22	0.13	9.52	12.12	0.51	2.29	1.58	0.74	1.61	1.65	0.44	0.48	0.50	0.27	0.36	0.36
2.00	0.27	0.25	0.18	32.12	33.88	0.89	4.20	2.09	1.30	2.73	2.59	0.50	0.56	0.53	0.30	0.34	0.42
2.50	0.36	0.28	0.20	38.68	33.16	1.66	6.27	2.72	2.18	3.99	3.90	0.61	0.60	0.58	0.47	0.42	0.50
3.00	0.43	0.33	0.25	10.77	8.91	3.22	8.17	3.96	3.75	6.10	5.98	0.60	0.57	0.59	0.53	0.47	0.56
3.50	1.00	0.79	0.53	0.89	0.92	9.27	10.49	9.19	9.74	11.55	11.48	1.41	1.16	1.43	1.62	1.48	1.47
4.00	0.32	0.46	0.23	0.05	0.06	9.58	7.20	8.17	9.35	9.65	12.62	0.54	0.69	0.69	0.91	0.74	0.62
4.50	0.66	1.61	2.17	0.09	0.13	12.59	12.79	17.27	17.88	15.14	16.69	4.14	4.01	0.14	5.72	6.23	4.53
5.00	2.82	2.53	1.48	0.02	0.55	9.13	6.14	8.84	8.94	7.69	7.09	5.84	6.10	6.48	4.08	3.78	6.27
5.50	2.82	1.31	2.17	0.12	0.25	5.06	4.27	6.51	6.22	4.51	5.05	7.94	8.57	6.55	6.33	5.52	8.99
6.00	1.46	3.01	2.60	0.04	0.02	3.36	2.77	2.58	4.67	3.28	2.89	6.42	4.25	7.25	6.82	5.22	2.51
7.00	3.71	4.02	3.71	0.18	0.02	4.35	3.34	3.65	3.73	2.74	2.57	7.76	9.62	8.45	7.61	10.67	8.64
8.00	5.73	5.27	5.52	0.02	0.02	2.79	1.11	3.27	3.29	2.87	2.26	7.29	3.08	5.77	9.80	1.50	7.32
9.00	10.66	11.23	10.68	0.02	1.42	2.72	2.65	3.24	3.83	2.51	1.69	4.67	6.90	11.20	7.55	8.33	10.38
10.00	11.92	11.26	11.50	0.02	0.02	3.11	2.62	3.33	3.26	3.21	2.64	8.34	7.21	6.55	8.40	5.76	7.18
10.00+	57.43	57.18	58.45	6.03	5.96	29.31	19.65	20.72	18.74	18.44	16.59	42.68	45.59	42.43	39.16	48.77	39.82
% GRAVEL	0.00	0.00	0.01	0.02	0.31	0.01	2.35	0.24	0.13	0.62	0.48	0.09	0.00	0.16	0.00	0.03	0.00
% SAND	2.72	2.48	1.62	93.45	91.28	25.63	41.60	29.66	28.04	37.73	39.93	4.73	4.42	4.70	4.35	3.94	4.05
% SILT	17.19	17.76	17.66	0.46	0.99	37.28	30.43	42.11	44.72	36.23	36.55	39.39	35.63	34.65	40.35	32.91	38.25
% CLAY	80.02	79.68	80.63	6.06	7.40	35.15	24.92	27.29	25.83	24.16	20.92	55.69	59.71	60.18	55.10	62.86	57.38
% SIEVE LOSS	0.07	0.08	0.08	0.00	0.03	0.08	0.05	0.14	0.01	0.35	0.40	0.09	0.13	0.18	0.07	0.08	0.23
% TOTAL	100.00	100.00	100.00	100.00	100.00	98.15	99.36	99.44	98.74	99.09	98.27	99.99	99.89	99.86	99.86	99.82	99.92
MEAN PHI	10.11	10.09	10.19	2.62	2.65	6.80	5.44	6.12	6.12	5.68	5.41	8.85	8.95	9.00	8.86	9.14	8.85
SORTING	2.23	2.23	2.11	2.34	2.49	3.47	3.71	3.42	3.23	3.44	3.28	2.94	2.92	2.79	2.78	2.83	2.81
SKEWNESS	-1.86	-1.82	-1.85	3.28	2.90	0.38	0.54	0.51	0.65	0.66	0.90	-0.73	-0.74	-0.87	-0.67	-0.81	-0.66
KURTOSIS	5.87	5.76	5.94	12.70	10.38	1.51	2.14	1.94	2.05	2.18	2.58	2.37	2.25	2.82	2.23	2.33	2.13

A-32

Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-1

STATION PHI SIZE	C1-1	C1-2	C1-3	C1-4	C1-5	C1-6	C2-1	C2-2	C2-3	C2-4	C2-5	C2-6	C3-1	C3-2	C3-3
WEIGHT PERCENT															
-1.50	8.00	0.47	0.27	0.00	0.07	0.00	0.12	0.23	0.11	0.12	0.51	0.11	0.00	0.00	0.00
-1.00	0.18	0.16	0.18	0.12	0.09	0.24	0.20	0.22	0.09	0.19	0.16	0.09	0.03	0.02	0.00
-0.50	0.21	0.09	0.23	0.08	0.08	0.24	0.11	0.13	0.13	0.16	0.22	0.10	0.04	0.02	0.00
0.00	0.17	0.11	0.28	0.19	0.10	0.25	0.19	0.16	0.15	0.20	0.18	0.17	0.01	0.01	0.01
0.50	0.14	0.09	0.26	0.18	0.11	0.16	0.22	0.12	0.15	0.22	0.15	0.12	0.02	0.01	0.01
1.00	0.14	0.09	0.17	0.11	0.10	0.11	0.17	0.09	0.12	0.15	0.10	0.09	0.01	0.01	0.01
1.50	0.49	0.56	0.72	0.57	0.54	0.49	0.86	0.58	0.63	0.69	0.48	0.46	0.14	0.12	0.15
2.00	1.06	1.51	1.34	1.19	1.19	1.30	1.94	1.55	1.61	1.74	1.25	1.29	0.22	0.20	0.28
2.50	2.16	2.78	2.58	2.43	2.44	2.97	3.49	3.15	3.22	3.53	2.96	2.82	0.27	0.25	0.38
3.00	2.92	4.05	3.47	3.28	3.87	3.99	3.74	3.47	4.41	4.41	4.02	3.55	0.49	0.46	0.62
3.50	19.53	24.34	22.10	27.27	24.77	24.58	8.54	8.30	10.61	8.84	9.74	8.54	0.53	0.60	0.68
4.00	22.83	22.37	26.22	26.23	24.27	24.70	4.57	5.47	6.40	6.63	7.86	7.41	0.23	0.30	0.24
4.50	10.82	11.72	9.82	8.88	7.99	11.82	11.62	8.77	9.64	9.09	8.12	8.97	7.73	6.50	6.65
5.00	3.98	3.73	3.55	3.03	3.98	1.99	2.26	3.07	2.43	2.79	2.83	3.27	2.01	2.35	1.90
5.50	2.58	2.79	2.83	2.48	2.49	2.24	4.52	4.57	4.09	4.07	4.24	4.17	4.99	4.89	4.83
6.00	1.71	1.56	1.57	1.42	2.00	1.77	3.60	3.34	3.45	2.98	3.10	3.60	3.98	3.80	3.89
7.00	2.58	2.54	2.32	1.94	2.39	2.98	7.54	6.06	7.13	6.73	6.25	6.73	9.03	9.04	8.81
8.00	2.64	2.76	2.83	2.54	2.98	6.94	33.49	38.93	32.57	37.05	35.62	26.12	29.09	17.20	26.03
9.00	1.29	1.30	1.28	1.21	1.25	3.92	3.77	3.26	3.72	2.36	3.12	9.52	18.04	9.08	19.19
10.00	2.83	3.36	2.98	2.77	3.90	2.90	3.31	2.98	3.16	2.04	2.72	5.57	13.05	27.48	15.59
10.00+	10.55	10.79	10.65	9.39	10.87	3.63	5.09	4.43	4.95	4.61	4.30	5.86	10.00	17.61	10.71
% GRAVEL	8.18	0.64	0.45	0.12	0.16	0.24	0.31	0.45	0.20	0.31	0.67	0.20	0.03	0.02	0.00
% SAND	49.65	55.98	57.35	61.53	57.48	58.80	23.82	23.02	27.42	26.57	26.98	24.56	1.97	1.96	2.38
% SILT	24.30	25.09	22.92	20.29	21.82	27.74	63.03	64.74	59.31	62.72	60.16	52.86	56.83	43.79	52.12
% CLAY	14.67	15.45	14.91	13.37	16.02	10.46	12.18	10.67	11.83	9.02	10.14	20.95	41.10	54.18	45.49
% SIEVE LOSS	0.16	0.08	0.08	0.05	0.08	0.01	0.31	0.02	0.01	0.03	-0.01	0.02	0.07	0.04	0.00
% TOTAL	96.96	97.24	95.70	95.36	95.56	97.24	99.65	98.90	98.77	98.65	97.94	98.59	100.00	100.00	100.00
MEAN PHI	4.48	4.92	4.80	4.65	4.91	4.44	6.49	6.57	6.37	6.35	6.31	6.64	8.41	8.88	8.53
SORTING	3.33	2.92	2.90	2.75	2.92	2.54	2.77	2.68	2.77	2.75	2.76	2.83	2.14	2.33	2.16
SKEWNESS	0.74	1.38	1.48	1.75	1.49	1.68	-0.18	-0.23	-0.04	-0.13	-0.11	-0.08	-0.76	-0.86	-0.82
KURTOSIS	3.41	3.67	3.91	4.57	3.65	4.48	2.08	2.09	1.94	2.03	2.13	1.90	3.23	2.90	3.22

A-33

Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-1

STATION PHI SIZE	C3-4	C3-5	C3-6	C4-1	C4-2	C4-3	C4-4	C4-5	C4-6	D1-1	D1-2	D1-3	D1-4	D1-5	D1-6
WEIGHT PERCENT															
-1.50	0.00	0.01	0.03	0.00	0.97	0.00	0.00	0.00	0.00	0.37	0.00	0.20	0.09	0.05	0.02
-1.00	0.00	0.01	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.21	0.15	0.19	0.05	0.08	0.05
-0.50	0.01	0.02	0.01	0.01	0.04	0.00	0.00	0.00	0.00	0.25	0.05	0.18	0.18	0.19	0.07
0.00	0.01	0.01	0.03	0.00	0.01	0.00	0.01	0.00	0.01	0.35	0.09	0.31	0.30	0.30	0.11
0.50	0.02	0.03	0.02	0.01	0.04	0.00	0.01	0.00	0.00	0.58	0.36	0.65	0.69	0.59	0.40
1.00	0.01	0.02	0.02	0.00	0.01	0.00	0.02	0.02	0.01	1.17	0.80	1.71	1.15	1.00	0.60
1.50	0.10	0.17	0.23	0.02	0.04	0.02	0.02	0.03	0.01	17.23	21.55	16.50	19.17	18.76	15.74
2.00	0.17	0.27	0.35	0.02	0.00	0.03	0.02	0.04	0.03	43.00	41.52	42.65	44.73	48.98	37.01
2.50	0.34	0.33	0.29	0.05	0.02	0.05	0.04	0.07	0.05	28.97	25.72	28.77	24.74	21.72	35.81
3.00	0.55	0.58	0.42	0.06	0.23	0.04	0.05	0.06	0.05	5.58	7.25	6.34	6.56	5.40	7.26
3.50	0.55	0.65	0.52	0.09	0.05	0.02	0.05	0.06	0.05	0.58	0.63	0.70	0.84	1.34	0.84
4.00	0.22	0.30	0.23	0.04	0.01	0.02	0.02	0.02	0.03	0.03	0.02	0.04	0.06	0.04	0.04
4.50	6.38	5.68	6.48	0.89	0.85	0.84	0.97	0.86	0.52	0.02	0.06	0.01	0.03	0.02	0.11
5.00	1.66	3.09	2.88	1.34	0.82	1.28	1.34	1.42	1.62	0.00	0.04	0.01	0.02	0.00	0.03
5.50	4.79	4.49	4.60	4.84	3.33	5.19	4.11	3.33	4.13	0.00	0.01	0.00	0.03	0.01	0.10
6.00	3.87	3.48	3.56	3.12	2.81	4.50	4.28	4.32	4.60	0.05	0.06	0.01	0.01	0.05	0.11
7.00	9.85	8.31	8.91	12.51	11.32	9.58	9.01	9.70	10.30	0.05	0.03	0.09	0.00	0.00	0.12
8.00	22.03	21.83	38.67	65.57	69.05	61.13	60.32	23.10	28.28	0.00	0.05	0.07	0.07	0.04	0.14
9.00	15.56	17.03	15.08	3.01	3.00	6.30	7.54	14.64	17.46	0.00	0.01	0.10	0.08	0.01	0.09
10.00	21.04	21.70	8.53	2.35	2.09	4.50	5.15	26.89	19.79	0.07	0.08	0.05	0.05	0.08	0.22
10.00+	12.73	11.96	9.11	6.06	5.23	6.47	7.03	15.44	13.04	0.86	1.03	1.04	0.96	0.98	1.12
% GRAVEL	0.00	0.03	0.03	0.00	1.05	0.00	0.00	0.00	0.00	0.59	0.15	0.39	0.14	0.13	0.07
% SAND	1.99	2.39	2.11	0.30	0.44	0.19	0.24	0.30	0.23	97.76	97.98	97.85	98.44	98.31	97.88
% SILT	48.58	46.88	65.11	88.28	88.18	82.52	80.04	42.73	49.46	0.12	0.27	0.19	0.16	0.12	0.61
% CLAY	49.34	50.69	32.73	11.42	10.32	17.27	19.72	56.96	50.29	0.93	1.11	1.19	1.09	1.07	1.42
% SIEVE LOSS	0.07	0.02	0.02	0.00	0.01	0.02	0.00	0.00	0.02	0.10	0.42	0.37	0.13	0.31	0.01
% TOTAL	99.98	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.50	99.94	99.99	99.96	99.94	100.00
MEAN PHI	8.69	8.68	8.29	8.32	8.26	8.41	8.48	9.25	9.04	1.80	1.82	1.82	1.80	1.76	1.97
SORTING	2.18	2.23	2.06	1.34	1.60	1.40	1.42	1.76	1.71	0.67	0.63	0.72	0.66	0.63	0.81
SKEWNESS	-0.81	-0.91	-0.79	-0.39	-2.60	-0.33	-0.41	-0.83	-0.63	1.41	3.45	2.79	3.22	3.16	4.68
KURTOSIS	3.09	3.27	3.66	5.90	17.59	4.82	5.18	3.52	3.37	29.17	43.49	35.94	25.66	41.69	45.32

A-34

Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-1

STATION PHI SIZE	D2-1	D2-2	D2-3	D2-4	D2-5	D2-6	D3-1	D3-2	D3-3	D3-4	D3-5	D3-6	D4-1	D4-2	D4-3
WEIGHT PERCENT															
-1.50	0.21	0.14	0.21	0.00	0.04	0.07	11.45	8.69	11.15	21.45	10.41	6.11	0.04	0.00	0.02
-1.00	0.28	0.17	0.22	0.15	0.14	0.07	9.16	7.23	7.38	9.89	5.53	5.75	0.11	0.09	0.04
-0.50	0.62	0.23	0.44	0.19	0.23	0.30	14.28	11.01	10.61	14.10	9.96	10.42	0.02	0.04	0.04
0.00	1.06	0.50	0.64	0.44	0.55	0.52	22.71	15.19	15.62	20.62	18.66	21.74	0.11	0.07	0.04
0.50	2.59	1.16	1.83	1.11	1.49	1.40	13.62	13.42	13.40	10.85	16.57	17.71	0.07	0.04	0.06
1.00	3.21	2.23	3.70	2.52	2.91	2.88	4.61	5.72	5.70	3.52	6.13	6.27	0.11	0.06	0.12
1.50	39.76	47.28	46.10	50.88	46.66	51.39	7.16	10.10	10.92	4.33	11.08	10.74	0.52	0.36	0.46
2.00	39.59	37.12	34.28	33.68	36.74	32.31	2.60	3.80	4.36	1.57	4.58	4.23	0.61	0.53	0.51
2.50	9.76	8.22	7.49	7.36	7.84	7.98	0.90	1.54	1.79	0.79	2.00	1.97	0.76	0.82	0.74
3.00	0.73	0.71	0.62	0.72	0.81	0.81	0.42	0.87	0.82	0.47	0.74	0.78	0.87	0.97	0.98
3.50	0.07	0.10	0.08	0.09	0.10	0.10	0.57	1.31	0.96	0.52	0.68	0.60	1.36	2.12	1.93
4.00	0.01	0.02	0.02	0.01	0.02	0.01	0.25	0.51	0.43	0.21	0.31	0.33	1.50	0.93	1.12
4.50	0.16	0.11	0.10	0.06	0.09	0.02	1.02	2.16	1.79	0.93	1.43	1.34	5.72	6.05	4.38
5.00	0.02	0.04	0.03	0.03	0.03	0.10	0.87	1.69	1.43	0.69	0.95	1.06	7.67	8.21	7.75
5.50	0.08	0.06	0.02	0.03	0.02	0.00	0.67	1.55	1.06	0.58	0.77	0.76	9.93	10.04	9.80
6.00	0.06	0.04	0.05	0.03	-0.02	0.00	0.74	1.15	0.87	0.70	0.61	0.77	9.36	9.34	9.10
7.00	0.06	0.09	0.02	0.05	0.03	0.04	1.00	1.84	1.45	1.09	1.10	0.98	27.22	23.62	27.39
8.00	0.01	0.02	0.00	0.01	0.00	0.02	1.28	2.37	1.55	1.38	1.23	1.28	22.37	22.83	23.12
9.00	0.02	-0.02	0.00	0.01	0.04	0.05	0.79	1.20	0.82	0.69	0.61	0.48	2.99	3.57	2.94
10.00	0.15	0.08	0.02	0.07	0.15	0.09	1.74	2.66	2.35	1.63	1.78	1.70	2.71	3.54	2.98
10.00+	0.94	1.05	1.14	1.09	1.05	1.20	4.02	5.94	5.47	3.95	4.79	4.89	5.74	6.54	6.25
% GRAVEL	0.49	0.31	0.43	0.15	0.18	0.13	20.60	15.92	18.52	31.33	15.94	11.86	0.15	0.09	0.06
% SAND	97.39	97.56	95.20	96.99	97.35	97.69	67.11	63.47	64.61	56.99	70.71	74.80	5.93	5.93	6.00
% SILT	0.38	0.36	0.22	0.20	0.15	0.17	5.58	10.75	8.15	5.36	6.08	6.18	82.27	80.09	81.55
% CLAY	1.11	1.11	1.16	1.16	1.25	1.33	6.54	9.81	8.64	6.26	7.18	7.07	11.44	13.65	12.17
% SIEVE LOSS	0.63	0.65	2.15	0.97	1.02	0.19	0.15	0.04	0.05	0.04	0.06	0.07	0.00	0.04	0.01
% TOTAL	100.00	99.99	99.16	99.48	99.95	99.52	99.99	99.99	99.98	99.99	99.99	99.99	99.79	99.80	99.79
MEAN PHI	1.62	1.65	1.57	1.63	1.63	1.66	0.88	1.81	9.20	0.61	1.24	1.28	7.05	7.14	7.17
SORTING	1.19	1.16	1.18	1.15	1.17	1.22	3.25	3.77	8.51	3.29	3.30	3.27	2.12	2.20	2.13
SKEWNESS	6.13	6.92	6.77	7.22	6.97	6.77	2.23	1.51	-1.10	2.30	2.06	2.11	-0.17	-0.14	-0.21
KURTOSIS	51.75	59.05	57.77	61.70	58.60	54.52	7.07	4.06	1.23	7.32	6.40	6.56	3.53	3.03	3.27

A-35

Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-1

STATION PHI SIZE	D4-4	D4-5	D4-6	M1-1	M1-2	M1-3	M1-4	M1-5	M1-6	M2-1	M2-2	M2-3	M2-4	M2-5	M2-6
WEIGHT PERCENT															
-1.50	0.00	0.00	0.04	0.11	0.12	0.15	1.06	12.75	0.17	2.26	4.06	4.71	3.55	4.86	1.80
-1.00	0.02	0.05	0.00	0.06	0.09	0.09	0.81	4.39	0.12	0.90	1.93	2.07	2.55	3.19	1.40
-0.50	0.03	0.06	0.01	0.04	0.07	0.12	0.82	4.19	0.13	0.90	2.11	1.95	3.13	3.30	1.42
0.00	0.07	0.07	0.06	0.06	0.17	0.10	0.63	2.86	0.17	0.94	1.93	1.84	2.77	2.91	1.74
0.50	0.08	0.05	0.06	0.10	0.19	0.17	0.54	1.81	0.19	1.05	2.13	1.78	2.24	2.33	1.61
1.00	0.10	0.11	0.11	0.21	0.25	0.28	0.44	1.20	0.15	0.97	1.83	1.55	1.76	1.78	1.31
1.50	0.49	0.47	0.49	16.08	12.74	18.26	13.34	7.08	2.89	18.04	18.20	18.70	17.17	13.19	12.05
2.00	0.60	0.65	0.57	23.04	18.75	16.33	14.50	7.85	21.52	38.20	32.79	33.36	31.54	32.67	40.65
2.50	0.82	1.31	0.86	41.55	36.57	37.90	25.32	21.53	45.45	24.62	23.52	21.67	23.26	23.97	27.34
3.00	0.99	2.05	1.02	14.15	23.19	20.18	26.67	23.91	19.79	4.33	3.99	4.52	4.84	4.51	3.68
3.50	2.35	2.71	2.23	2.21	4.53	3.52	9.45	6.11	4.27	1.32	1.70	1.34	1.56	1.29	0.88
4.00	1.20	3.87	1.05	0.17	0.38	0.35	1.76	0.84	0.54	0.16	0.24	0.16	0.21	0.23	0.13
4.50	9.80	6.53	5.13	0.15	0.12	0.18	0.62	0.39	0.11	0.24	0.11	0.20	0.22	0.20	0.09
5.00	7.64	7.08	8.04	0.01	0.06	0.02	0.00	0.07	0.14	0.15	0.17	0.14	0.03	0.13	0.14
5.50	9.30	9.00	9.14	0.06	0.05	0.01	0.00	0.03	0.00	0.17	0.17	0.20	0.15	0.17	0.09
6.00	8.44	8.11	8.78	0.04	0.03	0.05	0.09	0.05	0.03	0.12	0.16	0.21	0.14	0.06	0.07
7.00	19.13	21.80	24.25	0.01	0.10	0.04	0.07	0.05	0.06	0.15	0.25	0.23	0.19	0.22	0.14
8.00	19.69	21.56	23.94	0.00	0.04	0.04	0.14	0.17	0.17	0.29	0.33	0.43	0.35	0.51	0.37
9.00	6.07	3.35	3.72	0.11	0.03	0.05	0.14	0.12	0.04	0.25	0.35	0.39	0.28	0.36	0.20
10.00	5.48	3.30	3.48	0.00	0.23	0.18	0.30	0.53	0.37	0.77	1.32	1.27	0.82	1.22	0.79
10.00+	7.43	6.00	6.64	1.38	1.67	1.80	2.37	2.04	2.12	2.32	2.45	3.08	2.86	2.60	2.47
% GRAVEL	0.02	0.05	0.04	0.16	0.21	0.23	1.87	17.14	0.29	3.16	6.00	6.78	6.10	8.05	3.20
% SAND	6.73	11.35	6.45	97.62	96.83	97.19	93.48	77.37	95.11	90.52	88.44	86.87	88.47	86.20	90.80
% SILT	73.99	74.08	79.28	0.27	0.40	0.33	0.92	0.76	0.50	1.13	1.19	1.41	1.08	1.28	0.89
% CLAY	18.98	12.65	13.84	1.49	1.93	2.02	2.80	2.68	2.53	3.34	4.11	4.74	3.97	4.17	3.47
% SIEVE LOSS	0.07	0.12	0.22	0.43	0.61	0.04	0.23	1.97	1.47	1.79	0.17	0.14	0.34	0.27	1.63
% TOTAL	99.80	98.26	99.84	99.98	99.98	99.82	99.30	99.93	99.91	99.95	99.91	99.94	99.96	99.98	99.98
MEAN PHI	7.19	6.79	7.18	2.24	2.38	2.35	2.45	1.67	2.48	2.09	1.96	2.00	1.91	1.87	2.01
SORTING	2.39	2.34	2.20	1.26	1.41	1.44	1.77	2.29	1.56	1.96	2.23	2.37	2.24	2.33	1.98
SKEWNESS	-0.13	0.01	-0.18	5.56	4.94	4.92	3.31	1.57	4.61	3.19	2.66	2.55	2.66	2.43	3.43
KURTOSIS	2.47	2.69	3.01	41.32	32.31	31.73	18.59	9.13	26.87	16.22	12.35	11.12	12.49	11.12	17.00

A-36

Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-1

STATION PHI SIZE	M3-1	M3-2	M3-3	M3-4	M3-5	M3-6	M4-1	M4-2	M4-3	M4-4	M4-5	M4-6
WEIGHT PERCENT												
-1.50	0.31	0.43	1.48	0.22	0.48	0.84	0.00	0.05	0.10	0.05	0.08	0.00
-1.00	0.25	0.21	0.25	0.12	0.26	0.59	0.02	0.01	0.00	0.00	0.01	0.05
-0.50	0.41	0.38	0.27	0.16	0.36	0.64	0.05	0.01	0.01	0.04	0.01	0.03
0.00	0.66	0.58	0.63	0.35	0.51	0.88	0.06	0.02	0.04	0.03	0.03	0.07
0.50	0.82	0.84	0.66	0.47	0.78	1.01	0.11	0.02	0.04	0.05	0.05	0.07
1.00	0.83	0.87	0.85	0.55	0.87	0.93	0.10	0.03	0.06	0.06	0.05	0.11
1.50	7.01	5.81	5.88	4.19	12.79	5.37	0.44	0.16	0.22	0.31	0.24	0.47
2.00	10.05	15.36	17.04	13.19	15.80	6.43	0.50	0.25	0.29	0.53	0.37	0.61
2.50	15.09	18.76	21.32	15.81	16.20	8.07	0.76	0.42	0.42	1.07	0.73	0.99
3.00	14.90	13.37	14.93	11.03	11.06	15.85	1.31	0.55	0.51	1.88	1.48	1.77
3.50	11.98	8.96	9.18	7.83	6.45	8.92	2.32	0.86	1.05	2.75	2.78	2.92
4.00	3.13	2.98	3.22	3.02	2.04	2.96	1.03	0.37	0.49	0.97	1.10	0.91
4.50	1.90	0.18	0.35	0.54	0.90	0.66	3.80	0.57	1.67	1.15	2.42	1.27
5.00	2.36	0.70	0.62	1.31	1.17	1.48	2.73	2.06	2.27	2.78	3.04	2.96
5.50	2.83	1.05	1.09	1.56	1.82	2.23	5.93	3.45	4.09	3.45	4.78	4.23
6.00	2.29	1.34	1.02	1.43	1.09	1.42	4.10	3.92	4.23	3.09	3.44	3.05
7.00	3.76	2.87	2.10	3.41	3.30	6.80	11.62	8.75	7.98	7.40	8.99	9.03
8.00	4.59	8.89	3.06	15.56	6.98	9.74	50.65	27.67	16.84	59.43	54.99	59.16
9.00	5.64	6.63	3.01	11.36	5.73	8.92	3.53	20.27	7.14	4.73	4.78	3.15
10.00	5.35	6.25	5.30	4.36	6.62	11.80	3.09	19.19	20.78	3.76	4.12	2.63
10.00+	5.55	3.22	7.45	3.21	4.68	4.04	7.71	11.28	31.75	6.32	6.47	6.42
% GRAVEL	0.56	0.63	1.74	0.35	0.74	1.43	0.02	0.05	0.10	0.05	0.09	0.05
% SAND	64.89	67.91	73.97	56.61	66.87	51.07	6.69	2.69	3.12	7.68	6.83	7.94
% SILT	17.73	15.02	8.24	23.80	15.26	22.34	78.84	46.42	37.08	77.31	77.67	79.71
% CLAY	16.54	16.10	15.75	18.92	17.04	24.76	14.33	50.74	59.68	14.81	15.37	12.20
% SIEVE LOSS	0.02	0.05	0.02	0.04	0.02	0.02	0.04	0.08	0.00	0.06	-0.01	0.05
% TOTAL	99.73	99.71	99.72	99.71	99.92	99.61	99.91	99.97	99.97	99.91	99.94	99.96
MEAN PHI	4.43	4.34	3.95	5.06	4.28	5.37	7.79	8.88	9.30	7.96	7.91	7.86
SORTING	3.30	3.36	3.39	3.42	3.47	3.64	2.12	1.95	2.35	2.05	2.06	2.08
SKEWNESS	0.93	0.86	1.22	0.42	0.89	0.25	-0.82	-1.19	-1.16	-1.19	-1.01	-1.15
KURTOSIS	2.53	2.24	3.16	1.58	2.28	1.60	3.98	5.08	3.96	4.83	4.36	4.73

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Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-2

STATION PHI SIZE	C1-1	C1-2	C1-3	C1-4	C1-5	C1-6	C2-1	C2-2	C2-3	C2-4	C2-5	C2-6	C3-1	C3-2	C3-3
WEIGHT PERCENT															
-1.50	0.02	0.00	0.00	0.00	0.07	0.09	0.02	0.16	0.04	0.04	0.04	0.00	0.00	0.00	0.01
-1.00	0.06	0.04	0.03	0.04	0.02	0.03	0.04	0.16	0.09	0.09	0.15	0.00	0.01	0.00	0.06
-0.50	0.09	0.08	0.03	0.06	0.07	0.12	0.09	0.22	0.22	0.10	0.20	0.07	0.04	0.02	0.05
0.00	0.13	0.11	0.06	0.16	0.12	0.14	0.19	0.28	0.25	0.14	0.18	0.11	0.03	0.08	0.08
0.50	0.14	0.13	0.05	0.16	0.16	0.16	0.08	0.18	0.25	0.10	0.15	0.13	0.06	0.04	0.10
1.00	0.11	0.10	0.06	0.14	0.17	0.15	0.09	0.13	0.16	0.07	0.09	0.09	0.04	0.03	0.09
1.50	0.46	0.28	0.16	0.45	0.93	0.42	0.41	0.72	0.69	0.31	0.46	0.39	0.19	0.32	0.49
2.00	1.53	0.91	0.63	1.43	1.97	1.71	0.96	1.98	1.66	0.89	1.32	1.26	0.29	0.51	0.98
2.50	2.24	1.74	1.03	2.18	2.73	2.37	2.31	6.14	4.01	1.85	2.56	2.50	0.51	0.63	1.38
3.00	2.76	2.47	0.98	3.46	2.80	2.82	3.82	5.49	6.00	2.12	3.05	3.34	0.87	0.92	1.74
3.50	21.73	23.43	7.38	28.07	25.84	23.02	10.44	7.63	8.86	4.48	8.22	8.14	1.37	1.30	2.19
4.00	21.94	21.40	8.85	21.21	20.97	20.23	4.68	2.36	2.66	1.87	3.25	3.59	0.95	0.81	1.36
4.50	7.50	14.00	64.69	12.49	11.80	13.68	14.78	11.14	11.00	7.58	11.76	13.67	3.88	4.93	2.52
5.00	4.78	4.25	1.55	2.12	4.85	2.48	2.21	3.08	2.60	4.11	3.34	2.01	3.21	3.53	3.69
5.50	4.06	2.10	1.30	2.79	2.68	3.25	4.01	3.36	4.77	4.04	4.45	5.06	5.13	4.83	3.59
6.00	2.44	3.32	0.93	1.77	1.79	2.02	0.41	2.51	2.06	3.41	4.02	3.28	3.81	3.85	3.41
7.00	3.26	2.87	1.26	2.85	3.76	2.74	12.07	5.21	6.56	5.84	5.75	9.15	6.54	7.96	5.61
8.00	3.77	3.39	3.76	4.87	0.87	3.72	12.81	18.24	10.79	19.10	8.18	25.94	22.43	36.39	20.00
9.00	5.55	6.49	3.21	6.02	3.00	8.09	11.50	20.41	19.17	34.32	12.32	8.34	33.82	21.22	38.41
10.00	7.93	5.65	1.42	3.01	6.22	4.82	9.54	5.97	11.88	4.15	21.31	4.87	8.70	4.85	7.36
10.00+	5.53	4.38	1.74	3.51	6.00	5.21	9.44	4.55	6.20	5.36	9.03	7.94	8.07	7.75	6.83
% GRAVEL	0.08	0.04	0.03	0.04	0.08	0.12	0.06	0.32	0.14	0.13	0.19	0.00	0.01	0.00	0.07
% SAND	51.12	50.65	19.24	57.33	55.77	51.14	23.08	25.13	24.75	11.92	19.49	19.63	4.35	4.67	8.46
% SILT	25.82	29.93	73.47	26.89	25.75	27.88	46.29	43.53	37.76	44.08	37.50	59.12	45.01	61.49	38.81
% CLAY	19.02	16.52	6.37	12.54	15.22	18.11	30.48	30.93	37.25	43.83	42.66	21.15	50.58	33.82	52.60
% SIEVELOSS	0.03	0.01	0.05	0.02	0.01	0.00	0.02	0.00	0.01	0.01	0.01	0.02	0.03	0.00	0.03
% TOTAL	96.07	97.15	99.17	96.82	96.83	97.25	99.93	99.91	99.90	99.98	99.86	99.92	99.99	99.99	99.97
MEAN PHI	4.54	4.56	4.61	4.35	4.13	4.51	5.80	6.19	6.17	7.06	6.28	5.99	7.50	7.24	7.46
SORTING	2.49	2.32	1.55	2.19	2.19	2.39	2.68	2.89	2.92	2.47	2.92	2.52	2.06	2.00	2.30
SKEWNESS	1.62	1.68	2.23	1.74	2.08	1.58	0.63	-0.04	0.21	-0.40	0.41	0.28	-0.23	-0.26	-0.61
KURTOSIS	3.98	4.29	8.26	4.69	6.09	4.05	1.95	1.68	1.68	2.16	1.78	1.83	2.56	2.70	2.83

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Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-2

STATION PHI SIZE	C3-4	C3-5	C3-6	C4-1	C4-2	C4-3	C4-4	C4-5	C4-6	M1-1	M1-2	M1-3	M1-4	M1-5	M1-6
WEIGHT PERCENT															
-1.50	0.00	0.15	0.12	0.00	0.00	0.05	0.00	0.00	1.09	5.59	9.59	7.32	7.60	2.57	5.64
-1.00	0.06	0.02	0.11	0.00	0.00	0.06	0.00	0.00	0.00	1.76	2.73	3.48	2.18	1.53	1.10
-0.50	0.07	0.08	0.10	0.00	0.00	0.01	0.00	0.00	0.02	2.68	3.20	3.25	1.78	1.68	1.26
0.00	0.07	0.09	0.07	0.00	0.00	0.01	0.00	0.02	0.01	2.36	2.58	3.53	1.66	1.66	1.35
0.50	0.11	0.12	0.16	0.00	0.00	0.01	0.00	0.01	0.01	2.66	2.65	5.33	1.82	2.62	1.41
1.00	0.08	0.15	0.15	0.00	0.00	0.01	0.00	0.02	0.01	2.73	2.63	9.76	1.81	2.43	1.30
1.50	0.57	1.27	1.35	0.03	0.01	0.03	0.04	0.03	0.02	15.11	14.63	24.07	19.72	15.32	19.81
2.00	0.93	2.88	3.44	0.03	0.02	0.03	0.04	0.03	0.02	30.29	23.57	31.05	37.54	35.98	44.45
2.50	1.47	4.14	5.42	0.05	0.04	0.06	0.04	0.06	0.04	2.56	1.68	2.07	8.61	4.90	15.98
3.00	2.33	4.26	5.52	0.05	0.07	0.08	0.06	0.09	0.06	29.64	25.33	8.12	13.91	27.24	5.22
3.50	2.67	3.82	4.49	0.06	0.07	0.06	0.06	0.09	0.07	0.66	0.82	0.08	0.67	0.89	0.69
4.00	1.55	1.54	1.52	0.03	0.06	0.05	0.03	0.06	0.04	1.46	4.09	0.30	0.29	0.68	0.10
4.50	3.75	3.92	3.71	0.53	0.21	0.23	0.70	1.13	0.39	0.03	0.32	0.01	0.06	0.10	0.05
5.00	3.29	2.37	2.54	1.50	0.18	0.66	1.21	1.66	2.22	0.01	0.04	0.02	0.06	0.05	0.00
5.50	3.72	3.43	2.72	4.14	4.18	3.07	3.25	4.01	2.52	0.03	0.00	0.01	0.01	0.04	0.01
6.00	3.26	2.35	1.91	5.57	3.34	4.77	4.93	4.92	3.84	0.04	0.10	0.03	0.02	0.00	0.03
7.00	6.60	4.49	4.22	9.32	8.56	8.27	7.80	10.02	8.55	0.01	0.58	0.00	0.00	0.08	0.01
8.00	9.50	45.90	15.21	15.54	11.52	10.85	11.80	13.38	11.62	0.11	0.01	0.00	0.06	0.02	0.01
9.00	14.46	10.26	37.53	32.35	14.88	13.01	12.92	13.61	13.37	0.04	0.54	0.03	0.11	0.01	0.01
10.00	32.18	2.67	4.29	19.13	14.70	30.20	22.27	17.73	25.43	0.11	0.49	0.08	0.15	0.04	0.17
10.00+	13.29	6.01	5.40	11.63	42.13	28.47	34.83	33.07	30.60	2.11	4.34	1.45	1.91	2.11	1.37
% GRAVEL	0.06	0.17	0.22	0.00	0.00	0.11	0.00	0.00	1.10	7.35	12.31	10.80	9.78	4.11	6.74
% SAND	9.85	18.35	22.21	0.26	0.27	0.35	0.26	0.41	0.30	90.14	81.17	87.55	87.81	93.41	91.58
% SILT	30.12	62.48	30.32	36.60	27.99	27.85	29.69	35.12	29.14	0.23	1.06	0.08	0.20	0.28	0.10
% CLAY	59.92	18.95	47.22	63.11	71.72	71.68	70.02	64.41	69.40	2.26	5.37	1.56	2.16	2.16	1.54
% SIEVELOSS	0.01	0.00	0.00	0.02	0.02	0.01	0.03	0.05	0.01	0.02	0.03	0.01	0.04	0.04	0.03
% TOTAL	99.96	99.95	99.98	100.00	100.00	100.00	100.00	99.99	99.94	99.99	99.96	99.99	99.99	99.99	99.99
MEAN PHI	7.05	6.58	6.73	7.79	5.05	6.48	5.75	5.72	6.07	1.48	1.40	0.99	1.35	1.60	1.42
SORTING	2.73	2.57	2.93	1.74	3.05	2.61	2.84	2.73	2.86	1.23	1.70	1.17	1.24	1.01	1.07
SKEWNESS	0.23	-0.47	-0.38	0.71	1.52	1.31	1.46	1.47	1.04	-0.21	1.13	-0.30	-0.01	-0.61	-0.10
KURTOSIS	1.85	2.11	1.77	2.04	2.41	2.12	2.26	2.34	2.36	8.46	9.30	7.35	10.39	9.09	14.18

Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-2

STATION PHI SIZE	M2-1	M2-2	M2-3	M2-4	M3-1	M3-2	M3-3	M3-4	M3-5	M3-6	M4-1	M4-1 REPI	M4-2	M4-3	M4-4
WEIGHT PERCENT															
-1.50	3.03	9.08	3.03	1.72	0.37	0.56	0.32	0.16	0.24	0.29	0.14	0.00	0.10	0.00	0.26
-1.00	1.33	1.41	0.94	8.88	0.27	0.21	0.17	0.31	0.17	0.19	0.03	0.05	0.07	0.00	0.09
-0.50	1.43	1.37	0.98	0.02	0.30	0.37	0.29	0.29	0.18	0.22	0.07	0.00	0.05	0.00	0.01
0.00	1.32	1.35	1.01	0.15	0.47	0.58	0.38	0.39	0.34	0.51	0.02	0.02	0.01	0.02	0.06
0.50	1.62	1.36	1.10	0.20	0.65	0.66	0.53	0.64	0.61	0.68	0.06	0.01	0.02	0.05	0.03
1.00	1.58	1.32	1.18	0.16	0.61	0.70	0.63	0.62	0.50	0.68	0.06	0.04	0.04	0.04	0.04
1.50	17.39	14.40	16.54	11.04	4.12	4.62	4.36	3.73	4.04	3.42	0.22	0.23	0.15	0.12	0.25
2.00	43.29	40.80	44.96	36.47	8.75	15.36	12.05	11.63	11.60	12.26	0.30	0.26	0.18	0.22	0.37
2.50	19.11	18.54	19.16	27.19	12.53	20.48	19.22	2.75	3.00	4.11	0.42	0.32	0.25	0.47	0.62
3.00	3.86	3.90	4.26	5.38	15.93	17.77	14.40	25.98	27.79	27.39	0.72	0.47	0.38	1.17	1.48
3.50	0.90	1.35	1.54	1.27	12.39	11.37	10.57	4.34	2.29	1.04	1.31	0.64	0.70	2.69	2.83
4.00	0.51	0.22	0.19	0.24	3.53	4.25	3.21	7.67	11.65	12.01	0.98	0.62	0.51	1.29	1.24
4.50	0.12	0.07	0.21	0.27	2.15	2.34	2.12	3.17	2.43	2.34	3.08	0.76	1.24	1.44	2.05
5.00	0.10	0.04	0.10	0.12	1.96	0.71	1.44	0.04	1.33	1.21	2.20	4.38	2.01	1.14	3.05
5.50	0.17	0.14	0.11	0.07	1.40	1.83	1.12	1.13	1.36	1.35	3.60	4.46	1.28	2.84	3.55
6.00	0.00	0.14	0.04	0.16	1.21	0.77	1.03	1.08	0.99	1.10	3.37	4.53	1.11	3.30	2.82
7.00	0.14	0.14	0.27	0.47	1.26	1.06	0.99	1.72	2.25	1.57	10.55	9.29	8.78	9.66	6.71
8.00	0.29	0.31	0.27	0.50	12.13	9.07	10.09	8.35	9.43	16.22	55.95	11.82	15.20	16.90	10.80
9.00	0.41	0.34	0.48	0.43	13.68	3.42	11.73	15.22	13.20	7.90	6.69	12.69	22.05	24.48	18.31
10.00	0.42	0.96	1.31	1.04	2.46	1.12	2.08	6.38	3.14	2.15	2.96	25.03	30.48	18.51	29.85
10.00+	2.93	2.68	2.26	4.15	3.65	2.36	3.02	4.29	3.29	3.19	7.22	24.34	15.35	15.61	15.51
% GRAVEL	4.36	10.49	3.97	10.60	0.64	0.77	0.49	0.48	0.41	0.48	0.16	0.05	0.17	0.00	0.35
% SAND	91.01	84.61	90.91	82.13	59.28	76.17	65.65	58.05	62.00	62.31	4.16	2.61	2.30	6.06	6.93
% SILT	0.83	0.83	1.01	1.60	20.10	15.79	16.79	15.49	17.78	23.80	78.75	35.23	29.62	35.28	28.98
% CLAY	3.77	3.99	4.05	5.62	19.79	6.90	16.82	25.89	19.62	13.24	16.87	62.06	67.87	58.60	63.67
% SIEVELOSS	0.03	0.07	0.05	0.05	0.02	0.03	0.04	0.00	0.04	0.04	0.02	0.00	0.01	0.03	0.04
% TOTAL	99.99	100.00	99.99	100.00	99.84	99.66	99.79	99.92	99.86	99.87	99.97	99.95	99.97	99.98	99.97
MEAN PHI	1.61	1.48	1.76	1.53	4.48	3.37	4.12	4.60	4.35	4.25	7.26	6.38	7.59	7.10	7.10
SORTING	1.28	1.62	1.53	1.72	3.08	2.46	2.98	3.29	3.07	2.99	1.74	2.60	2.14	2.27	2.58
SKEWNESS	2.38	1.84	3.09	2.00	0.76	1.48	0.99	0.74	0.87	0.84	-0.73	1.17	0.39	0.52	0.33
KURTOSIS	20.77	14.08	19.89	12.99	2.02	4.21	2.43	1.90	2.15	2.15	4.51	2.10	2.67	2.04	2.12

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Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-2

STATION PHI SIZE	M4-4 REP2	M4-5	M4-5 REP3	M4-6	M4-9 REP4	D1-1	D1-2	D1-3	D1-4	D1-5	D1-6	D1-8	D2-1	D2-2	D2-3
WEIGHT PERCENT															
-1.50	0.00	0.00	0.00	0.11	0.00	1.37	1.17	0.75	0.75	0.20	0.09	0.02	2.77	0.26	0.05
-1.00	0.00	0.04	0.04	0.00	0.00	0.23	0.12	0.38	0.34	0.22	0.18	0.12	0.25	0.33	0.18
-0.50	0.02	0.00	0.07	0.01	0.00	0.17	0.30	0.43	0.38	0.26	0.27	0.19	0.41	0.45	0.37
0.00	0.03	0.01	0.16	0.01	0.02	0.63	0.81	1.08	1.07	0.48	0.33	0.27	0.77	0.82	0.51
0.50	0.04	0.03	0.24	0.04	0.03	1.76	1.86	2.63	2.50	0.99	1.34	0.73	1.27	1.38	0.98
1.00	0.07	0.04	0.19	0.05	0.04	2.51	2.62	3.64	3.34	1.69	3.53	1.19	2.21	2.21	1.80
1.50	0.25	0.15	1.04	0.35	0.19	18.02	23.90	19.79	21.67	35.57	11.89	37.29	32.87	44.92	34.16
2.00	0.38	0.19	1.52	0.39	0.34	39.77	45.18	42.53	39.26	40.92	46.23	42.79	49.80	42.28	51.62
2.50	0.72	0.28	2.88	0.46	0.64	4.44	17.32	6.62	7.87	14.32	30.62	13.46	6.31	4.86	7.26
3.00	0.98	0.45	2.88	0.73	1.31	28.36	3.87	19.71	20.48	3.04	3.16	2.30	1.43	0.59	0.91
3.50	1.84	0.70	3.34	1.15	2.07	0.78	0.58	0.54	0.50	0.45	0.45	0.28	0.19	0.09	0.10
4.00	0.90	0.49	2.09	0.60	0.73	0.10	0.11	0.17	0.16	0.06	0.05	0.07	0.10	0.10	0.15
4.50	2.94	1.15	2.17	0.47	2.04	0.07	0.04	0.07	0.07	0.02	0.01	0.06	0.02	0.11	0.03
5.00	3.42	2.65	3.09	2.67	2.25	0.04	0.05	0.02	0.01	0.07	0.01	0.01	0.10	0.03	0.05
5.50	4.70	1.59	6.63	3.05	4.98	0.01	0.00	0.01	0.02	0.01	0.00	0.04	0.03	0.01	0.07
6.00	1.08	5.56	2.14	4.86	6.33	0.00	0.01	0.00	0.01	0.04	0.01	0.02	0.05	0.03	0.01
7.00	9.40	8.65	12.52	8.46	12.22	0.01	0.00	0.01	0.01	0.02	0.04	0.01	0.01	0.01	0.03
8.00	27.57	17.16	6.22	16.67	20.84	0.01	0.02	0.03	0.00	0.01	0.01	0.00	0.01	0.01	0.05
9.00	29.02	9.44	10.24	29.15	21.84	0.03	0.01	0.00	0.02	0.00	0.03	0.00	0.09	0.01	0.01
10.00	9.10	26.47	20.65	24.79	12.52	0.07	0.07	0.04	0.09	0.02	0.01	0.06	0.07	0.01	0.01
10.00+	7.50	24.91	21.78	5.95	11.55	1.57	1.93	1.55	1.44	1.52	1.72	1.06	1.22	1.45	1.60
% GRAVEL	0.00	0.04	0.04	0.11	0.00	1.60	1.29	1.12	1.09	0.42	0.27	0.14	3.02	0.59	0.23
% SAND	5.23	2.35	14.43	3.81	5.37	96.54	96.54	97.14	97.23	97.79	97.87	98.58	95.35	97.69	97.87
% SILT	49.12	36.75	32.77	36.17	48.66	0.15	0.12	0.13	0.11	0.17	0.06	0.14	0.20	0.20	0.23
% CLAY	45.62	60.82	52.67	59.88	45.91	1.67	2.01	1.59	1.54	1.54	1.76	1.12	1.37	1.47	1.62
% SIEVELOSS	0.01	0.01	0.05	0.01	0.03	0.04	0.03	0.02	0.03	0.08	0.04	0.02	0.04	0.03	0.04
% TOTAL	99.98	99.97	99.96	99.98	99.97	100.00	99.99	100.00	100.00	100.00	100.00	100.00	99.99	99.99	99.99
MEAN PHI	7.52	6.48	5.72	8.15	7.11	1.73	1.60	1.64	1.67	1.61	1.76	1.65	1.44	1.47	1.52
SORTING	2.04	2.54	2.95	1.99	2.13	0.78	0.72	0.74	0.77	0.56	0.65	0.52	0.77	0.50	0.49
SKEWNESS	-0.38	1.18	0.94	-0.76	0.31	0.37	0.80	0.12	0.86	1.16	0.80	3.49	0.90	0.49	3.01
KURTOSIS	2.81	2.11	2.08	4.08	2.31	20.92	26.95	16.70	23.62	27.60	17.29	59.39	34.28	42.15	56.96

A-41

Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-2

STATION PHI SIZE	D2-4	D2-5	D2-6	D3-1	D3-2	D3-3	D3-4	D3-5	D3-6	D4-1	D4-2	D4-3	D4-4	D4-5	D4-6
WEIGHT PERCENT															
-1.50	0.08	0.19	0.04	20.43	6.50	10.18	12.85	7.25	0.00	0.00	0.04	0.00	0.00	0.00	1.37
-1.00	0.16	0.29	0.44	11.51	5.25	5.49	6.03	5.33	0.18	0.01	0.01	0.00	0.00	0.03	0.03
-0.50	0.27	0.33	0.77	16.23	12.29	11.13	12.35	10.35	0.25	0.03	0.03	0.10	0.01	0.04	0.03
0.00	0.63	0.45	1.19	16.95	17.75	14.50	16.76	16.97	0.37	0.09	0.06	0.10	0.06	0.09	0.06
0.50	1.61	0.81	1.78	9.28	13.27	10.96	12.41	13.19	0.73	0.09	0.06	0.13	0.06	0.08	0.08
1.00	2.89	1.76	2.57	3.77	6.77	5.77	6.26	6.93	1.16	0.10	0.08	0.19	0.07	0.15	0.09
1.50	39.52	38.17	34.93	7.51	14.53	14.44	13.81	17.17	14.07	0.36	0.38	0.83	0.42	0.59	0.29
2.00	44.08	48.49	48.35	3.01	4.37	5.00	4.57	4.98	43.83	0.32	0.29	0.65	0.44	0.46	0.29
2.50	6.15	5.98	5.16	1.33	1.31	1.74	1.40	1.64	3.72	0.39	0.40	0.64	0.58	0.49	0.47
3.00	2.47	1.42	2.95	0.38	0.59	0.67	0.52	0.65	11.60	0.66	0.76	0.91	0.97	0.72	0.74
3.50	0.16	0.14	0.11	0.44	0.99	1.06	0.81	1.11	0.30	1.39	1.39	1.69	1.94	1.86	1.34
4.00	0.08	0.16	0.05	0.18	0.57	0.65	0.28	0.38	0.92	1.30	1.03	1.13	1.56	0.92	1.02
4.50	0.13	0.11	0.04	0.93	2.15	2.02	1.18	1.79	1.83	6.21	5.25	4.62	4.77	7.31	3.06
5.00	0.01	0.03	0.01	0.49	1.32	1.25	1.00	1.23	2.09	7.44	8.15	8.21	9.42	8.69	7.75
5.50	0.01	0.04	0.01	0.44	1.00	1.49	0.76	0.55	1.40	10.04	9.31	8.80	9.00	8.86	8.73
6.00	0.02	0.02	0.01	0.45	0.86	1.00	0.66	0.53	1.30	7.39	7.06	8.09	6.10	7.56	8.94
7.00	0.05	0.04	0.01	0.51	0.91	1.97	1.45	1.12	3.72	17.48	18.08	20.33	26.66	17.25	36.00
8.00	0.04	0.01	0.00	1.01	1.46	2.19	1.74	1.66	4.80	22.44	19.09	26.40	22.41	22.41	18.79
9.00	0.01	0.02	0.03	0.82	1.27	1.29	1.03	1.43	1.07	10.31	12.21	5.84	4.02	8.56	2.16
10.00	0.01	0.02	0.05	1.50	2.72	1.75	1.11	1.95	1.34	6.09	7.61	4.00	3.23	6.16	1.90
10.00+	1.57	1.48	1.46	2.79	4.99	5.42	2.91	3.73	5.24	7.75	8.66	7.26	8.16	7.73	6.77
% GRAVEL	0.25	0.48	0.48	31.94	11.76	15.66	18.88	12.58	0.18	0.01	0.05	0.00	0.00	0.03	1.40
% SAND	97.88	97.71	97.85	59.07	72.44	65.93	69.14	73.37	76.97	4.73	4.49	6.38	6.11	5.39	4.41
% SILT	0.28	0.24	0.08	3.82	7.70	9.92	6.79	6.88	15.14	71.01	66.95	76.45	78.37	72.08	83.28
% CLAY	1.59	1.52	1.54	5.11	8.98	8.46	5.04	7.11	7.65	24.15	28.47	17.11	15.41	22.45	10.83
% SIEVELOSS	0.01	0.03	0.04	0.02	-0.89	0.01	0.09	0.02	0.03	0.03	0.00	0.01	0.02	0.02	0.01
% TOTAL	100.00	99.98	100.00	99.97	99.99	99.99	99.94	99.96	99.97	99.93	99.96	99.94	99.92	99.98	99.93
MEAN PHI	1.66	1.51	1.47	0.12	1.03	1.07	0.68	0.98	2.42	6.61	6.63	6.49	6.33	6.50	6.53
SORTING	0.54	0.51	0.60	2.29	2.67	2.72	2.43	2.55	2.29	2.05	2.10	2.03	1.93	2.10	1.96
SKEWNESS	1.51	2.50	1.32	2.81	2.14	1.88	2.22	2.18	2.29	0.33	0.41	0.06	0.32	0.31	-1.06
KURTOSIS	39.68	58.40	43.87	11.67	7.32	6.11	8.13	7.76	6.63	2.45	2.43	2.71	2.49	2.47	5.71

A-42

Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-3

STATION PHI SIZE	C1-2	C1-3	C1-4	C1-5	C1-6	C2-1	C2-2	C2-3	C2-4	C2-5	C2-6	C3-1	C3-2	C3-3	C3-4
WEIGHT PERCENT															
-1.50	0.16	0.00	0.16	1.40	0.13	0.04	0.50	0.00	0.00	0.00	0.14	0.00	0.09	0.00	1.31
-1.00	0.16	0.04	0.16	0.24	0.05	0.11	0.11	0.04	0.22	0.16	0.01	0.00	0.05	0.10	0.13
-0.50	0.36	0.26	0.13	0.10	0.10	0.20	0.16	0.12	0.11	0.06	0.06	0.02	0.15	0.08	0.17
0.00	0.46	0.28	0.31	0.22	0.24	0.16	0.13	0.09	0.14	0.13	0.17	0.10	0.16	0.06	0.23
0.50	0.44	0.29	0.28	0.34	0.32	0.15	0.19	0.13	0.16	0.19	0.15	0.12	0.22	8.76	0.48
1.00	0.41	0.26	0.18	0.25	0.34	0.24	0.46	0.28	0.34	0.14	0.20	0.20	0.25	0.33	0.70
1.50	1.46	1.34	1.21	1.52	1.39	0.46	0.35	0.40	0.52	0.40	0.53	0.57	1.00	1.82	4.02
2.00	4.22	4.04	4.04	4.82	4.39	1.32	1.08	1.46	1.23	1.38	1.92	0.94	2.27	4.94	10.25
2.50	12.48	12.19	12.60	14.38	13.54	2.56	2.18	2.89	2.79	2.68	4.02	1.41	2.33	5.72	10.59
3.00	12.62	13.08	13.71	15.34	14.00	2.03	1.79	2.69	2.53	2.23	2.63	1.64	1.62	4.44	5.77
3.50	16.40	16.71	17.57	15.70	14.14	6.48	7.65	9.57	9.44	6.35	7.94	1.16	1.86	4.20	4.98
4.00	9.72	9.78	10.89	8.18	9.36	4.83	6.87	5.25	5.78	4.31	3.64	0.69	0.69	1.15	2.15
4.50	4.98	5.20	4.93	4.64	3.83	3.44	2.63	3.94	4.17	5.02	4.97	1.07	2.23	2.18	1.50
5.00	0.60	1.96	1.41	1.36	1.84	2.69	3.21	3.01	2.97	3.78	2.06	0.19	0.47	0.26	0.29
5.50	0.97	1.68	1.61	1.57	0.96	3.40	2.39	3.15	2.55	3.25	3.54	2.19	1.77	0.51	0.88
6.00	1.72	0.51	0.42	0.71	0.61	3.04	3.21	2.97	3.39	2.72	2.55	2.87	2.70	1.37	0.96
7.00	0.64	1.45	0.54	0.32	1.19	3.79	3.78	3.89	3.57	3.49	4.44	3.55	3.32	1.67	1.50
8.00	1.20	0.67	0.54	1.14	0.31	4.10	3.73	3.34	3.48	4.64	3.09	5.31	4.73	2.74	2.42
9.00	0.97	1.33	0.88	0.93	1.34	5.56	4.02	4.22	4.96	4.01	4.61	7.25	6.85	4.74	3.63
10.00	1.72	1.96	2.18	1.57	2.56	5.21	5.31	5.93	4.82	5.73	5.38	7.50	6.60	5.39	4.63
10.00+	24.92	24.29	22.85	23.02	27.40	48.41	47.40	44.81	45.27	48.70	47.37	63.20	60.55	49.45	43.06
% GRAVEL	0.32	0.04	0.32	1.65	0.18	0.15	0.61	0.04	0.22	0.16	0.15	0.00	0.14	0.10	1.45
% SAND	58.57	58.23	60.92	60.85	57.82	18.42	20.86	22.89	23.03	17.88	21.27	6.85	10.54	31.51	39.33
% SILT	10.11	11.47	9.44	9.75	8.73	20.47	18.96	20.29	20.13	22.89	20.65	15.19	15.22	8.72	7.55
% CLAY	27.61	27.58	25.91	25.52	31.31	59.17	56.74	54.96	55.05	58.45	57.36	77.95	74.00	59.58	51.32
% SIEVELOSS	0.01	0.20	0.31	0.35	0.05	0.00	0.01	0.00	0.00	0.08	0.01	0.01	0.04	0.00	0.11
% TOTAL	96.62	97.51	96.89	98.12	98.09	98.21	97.17	98.18	98.44	99.45	99.43	100.00	99.94	99.92	99.75
MEAN PHI	5.33	5.38	5.16	5.07	5.61	9.44	8.22	8.12	9.26	8.51	8.33	9.99	9.59	7.87	7.15
SORTING	3.83	3.77	3.72	3.83	3.94	5.18	3.59	3.60	5.40	3.51	3.63	2.64	3.11	4.38	4.47
SKEWNESS	0.86	0.87	1.00	0.90	0.70	-1.13	-0.51	-0.41	-1.05	-0.65	-0.59	-1.90	-1.58	-0.62	-0.26
KURTOSIS	2.00	1.99	2.24	2.20	1.69	1.55	1.84	1.57	1.33	1.86	1.74	5.68	4.22	1.61	1.29

A-43

Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-3

STATION PHI SIZE	C3-5	C3-6	C4-1	C4-2	C4-3	C4-4	C4-5	C4-6	M1-1	M1-2	M1-3	M1-4	M1-5	M1-6	M2-1
WEIGHT PERCENT															
-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.06	0.21	0.00	0.00	0.06	0.34
-1.00	0.08	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.11	0.00	0.01	0.05	0.10	0.03
-0.50	0.15	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.17	0.11	0.10	0.05	0.10	0.17
0.00	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.21	0.18	0.17	0.11	0.12	0.36
0.50	0.17	0.16	0.00	0.00	0.00	0.00	0.03	0.01	0.40	0.29	0.25	5.65	0.23	0.12	0.67
1.00	0.33	0.28	0.02	0.01	0.01	0.00	0.03	0.00	0.37	0.27	0.36	0.22	0.26	0.08	1.19
1.50	2.33	1.78	0.05	0.04	0.06	0.03	0.07	0.05	4.98	5.42	4.74	2.59	2.34	1.69	23.75
2.00	5.56	2.64	0.04	0.05	0.03	0.04	0.08	0.03	29.61	32.56	27.79	18.00	17.57	14.25	49.62
2.50	4.15	1.72	0.13	0.06	0.04	0.04	0.08	0.05	32.37	29.98	27.86	27.42	28.56	28.14	11.36
3.00	2.06	1.02	0.04	0.04	0.05	0.04	0.08	0.07	14.25	12.26	12.29	19.34	19.62	25.07	1.66
3.50	1.85	0.61	0.04	0.05	0.04	0.05	0.07	0.05	3.72	3.45	3.63	6.77	6.69	9.00	0.75
4.00	0.87	0.28	0.04	0.03	0.01	0.01	0.21	0.02	0.37	0.31	0.36	0.73	0.64	0.75	0.16
4.50	2.81	1.34	1.06	0.90	0.05	0.37	0.64	0.05	0.12	0.31	0.03	0.81	0.25	0.82	0.02
5.00	0.67	0.86	0.76	2.12	2.50	1.75	2.03	2.84	0.65	0.15	0.67	0.32	0.94	0.51	0.03
5.50	0.09	0.75	0.76	0.53	0.30	0.05	1.12	0.93	0.22	0.20	0.07	0.11	0.06	0.03	0.11
6.00	1.56	1.45	0.81	1.75	1.25	0.79	2.08	1.63	0.05	0.13	0.60	0.30	0.19	0.06	0.26
7.00	2.41	1.82	3.54	3.67	3.40	4.50	3.04	4.42	0.02	0.03	0.07	0.48	0.22	0.15	0.02
8.00	4.15	5.46	5.81	5.26	5.25	4.40	5.44	4.93	0.26	0.54	0.94	0.32	0.60	0.45	0.05
9.00	6.07	6.37	7.58	7.70	8.95	7.31	7.31	9.11	0.10	0.28	0.47	0.51	0.35	0.03	0.02
10.00	6.47	6.91	9.90	9.51	8.65	10.01	9.23	9.77	0.02	0.79	1.44	1.02	1.13	1.12	0.32
10.00+	58.03	66.00	69.45	68.21	69.29	70.49	68.43	65.99	11.52	12.37	17.74	14.85	20.09	17.06	9.10
% GRAVEL	0.08	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.17	0.21	0.01	0.05	0.16	0.38
% SAND	17.60	8.67	0.35	0.27	0.25	0.22	0.66	0.28	86.56	84.91	77.58	81.02	76.08	79.32	89.69
% SILT	11.69	11.68	12.73	14.24	12.76	11.86	14.36	14.79	1.32	1.35	2.38	2.34	2.27	2.03	0.47
% CLAY	70.56	79.28	86.92	85.43	86.89	87.80	84.98	84.87	11.64	13.44	19.65	16.39	21.57	18.21	9.43
% SIEVELOSS	0.01	0.28	0.00	0.07	0.09	0.10	0.01	0.07	0.00	0.11	0.18	0.22	0.01	0.22	0.00
% TOTAL	99.94	100.00	100.00	100.00	99.98	99.98	100.00	100.00	100.00	99.99	100.00	99.98	99.98	99.94	99.98
MEAN PHI	9.09	9.92	10.72	10.58	10.65	10.72	10.56	10.52	3.23	3.38	4.03	3.77	4.36	4.11	2.57
SORTING	3.64	2.93	1.76	1.73	1.62	1.53	1.80	1.75	3.09	3.26	3.76	3.49	3.79	3.54	2.93
SKEWNESS	-1.23	-1.98	-2.66	-2.22	-2.33	-2.44	-2.26	-2.09	2.13	1.93	1.36	1.59	1.26	1.51	2.60
KURTOSIS	2.87	5.72	10.03	7.67	8.63	9.31	7.91	7.08	6.03	5.05	3.05	3.87	2.73	3.48	8.09

A-44

Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-3

STATION PHI SIZE	M2-2	M2-3	M2-4	M2-5	M2-6	M3-1	M3-2	M3-3	M3-4	M3-5	M3-6	M4-1	M4-2	M4-3	M4-4
WEIGHT PERCENT															
-1.50	0.05	0.19	0.04	0.13	0.58	0.08	0.33	0.58	0.08	3.36	0.25	0.00	0.00	0.12	0.00
-1.00	0.08	0.08	0.21	0.07	0.30	0.18	0.19	0.26	0.20	0.28	0.10	0.02	0.05	0.00	0.00
-0.50	0.15	0.17	0.14	0.19	0.19	0.25	0.22	0.26	0.47	0.31	0.36	0.02	0.00	0.00	0.00
0.00	0.28	0.31	0.20	0.31	0.20	0.37	0.52	0.33	0.43	0.33	0.52	0.04	0.03	0.03	0.00
0.50	0.58	0.57	0.39	0.56	0.53	0.69	0.55	0.64	0.64	0.46	0.66	0.09	0.03	0.02	0.02
1.00	0.84	0.70	0.58	0.86	1.04	0.59	0.44	0.47	0.39	0.33	0.55	0.19	0.06	0.03	0.00
1.50	19.28	19.42	18.31	22.08	20.33	3.35	2.34	2.55	2.21	1.56	3.14	0.23	0.11	0.08	0.12
2.00	50.77	52.86	52.58	49.76	51.00	5.96	5.16	5.18	3.66	3.79	5.59	0.29	0.14	0.25	0.15
2.50	11.82	11.52	11.33	10.32	11.19	8.59	7.75	7.66	5.22	6.89	7.99	0.46	0.33	0.48	0.28
3.00	1.56	1.80	1.74	1.58	1.87	15.84	14.64	13.72	10.70	14.88	15.83	0.88	0.72	1.07	0.52
3.50	0.71	0.85	0.84	0.74	0.96	14.00	13.29	12.26	10.59	14.57	14.16	2.03	2.12	2.80	1.40
4.00	0.14	0.18	0.18	0.16	0.24	6.16	5.84	5.91	5.96	7.28	6.61	1.03	1.08	1.28	0.77
4.50	0.06	0.02	0.11	0.05	0.02	1.52	1.03	1.18	0.85	1.10	0.66	1.13	0.50	0.67	0.31
5.00	0.10	0.02	0.02	0.05	0.05	0.53	1.43	1.50	1.89	1.28	1.03	0.03	0.47	0.38	0.04
5.50	0.02	0.00	0.02	0.09	0.17	1.33	1.41	1.04	2.20	1.21	1.28	2.14	2.23	1.08	1.89
6.00	0.04	0.09	0.05	0.18	0.00	1.11	1.29	1.62	2.10	1.24	0.91	3.01	2.67	3.42	2.46
7.00	0.24	0.25	0.09	0.05	0.11	1.40	1.77	2.21	2.55	1.01	1.80	4.95	5.58	4.09	3.52
8.00	0.04	0.05	0.18	0.15	0.11	1.91	2.02	1.95	2.67	2.74	1.59	4.76	5.73	5.34	6.25
9.00	0.36	0.31	0.55	0.38	0.31	1.95	2.51	3.25	3.85	1.73	2.31	9.77	8.63	8.51	8.01
10.00	0.32	0.08	0.32	0.46	0.29	4.02	4.61	5.03	6.49	4.49	3.84	10.13	10.18	10.27	9.42
10.00+	12.03	10.52	12.02	11.78	10.49	27.50	30.17	29.54	34.17	27.00	26.93	58.53	58.72	59.72	64.45
% GRAVEL	0.14	0.27	0.25	0.20	0.88	0.27	0.51	0.84	0.28	3.63	0.34	0.02	0.05	0.13	0.00
% SAND	86.14	88.38	86.30	86.57	87.54	55.80	50.75	48.98	40.27	50.39	55.40	5.25	4.61	6.05	3.27
% SILT	0.50	0.42	0.46	0.57	0.44	7.80	8.95	9.49	12.25	8.58	7.28	16.01	17.18	14.98	14.48
% CLAY	12.71	10.91	12.90	12.62	11.08	33.47	37.29	37.82	44.51	33.22	33.09	78.42	77.52	78.50	81.88
% SIEVE LOSS	0.51	0.01	0.08	0.02	0.01	0.27	0.12	0.24	0.23	0.28	0.25	0.06	0.10	0.12	0.20
% TOTAL	100.00	99.98	99.99	99.98	99.96	97.61	97.63	97.37	97.54	96.11	96.37	99.77	99.47	99.77	99.84
MEAN PHI	2.90	2.73	2.93	2.88	2.73	5.73	6.10	6.13	6.84	5.64	5.65	10.01	10.03	10.03	10.34
SORTING	3.30	3.10	3.31	3.29	3.14	4.06	4.11	4.11	4.06	4.15	4.04	2.39	2.28	2.41	2.02
SKEWNESS	2.14	2.37	2.11	2.14	2.31	0.55	0.36	0.33	0.04	0.46	0.60	-1.84	-1.76	-1.86	-2.09
KURTOSIS	5.77	6.86	5.64	5.77	6.68	1.53	1.39	1.41	1.32	1.68	1.60	5.79	5.62	5.81	7.19

A-45

Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-3

STATION PHI SIZE	M4-5	M4-6	D1-1	D1-2	D1-3	D1-4	D1-5	D1-6	D2-1	D2-2	D2-3	D2-4	D2-5	D2-6	D3-1
WEIGHT PERCENT															
-1.50	0.00	0.00	0.00	0.06	0.06	0.03	0.11	0.52	1.58	1.12	1.70	3.22	2.69	0.52	10.17
-1.00	0.00	0.00	0.04	0.04	0.23	0.04	0.15	0.08	1.17	1.69	1.93	3.09	2.53	1.36	3.99
-0.50	0.03	0.01	0.18	0.11	0.14	0.18	0.50	0.19	2.94	3.92	3.56	4.65	3.71	2.69	10.45
0.00	0.04	0.02	0.28	0.43	0.69	0.49	0.70	0.46	5.30	7.40	6.80	7.44	6.94	5.64	14.00
0.50	0.03	0.01	1.26	1.84	2.07	1.59	2.06	1.58	8.18	11.47	10.08	10.53	11.81	11.37	9.13
1.00	0.07	0.02	1.83	3.07	2.53	2.17	2.72	1.88	6.45	7.49	6.95	6.80	7.44	7.29	3.95
1.50	0.33	0.11	24.56	28.28	24.16	26.42	24.32	23.48	38.31	34.41	35.27	30.34	31.43	37.71	7.46
2.00	0.76	0.21	36.62	33.78	34.33	36.86	35.33	35.48	19.22	15.90	17.31	14.59	14.49	16.99	3.17
2.50	1.43	0.36	18.94	17.69	19.01	18.66	18.70	20.24	2.52	1.92	2.72	2.10	2.00	2.23	1.26
3.00	3.74	0.74	6.13	5.65	6.23	5.80	6.49	6.90	0.28	0.26	0.47	0.39	0.34	0.24	0.62
3.50	3.71	1.35	0.79	0.65	0.84	0.74	0.84	0.94	0.11	0.13	0.22	0.21	0.20	0.10	0.83
4.00	0.54	0.69	0.06	0.06	0.08	0.06	0.07	0.11	0.06	0.08	0.10	0.16	0.13	0.05	0.69
4.50	0.11	0.12	0.04	0.03	0.02	0.07	0.05	0.01	0.01	0.10	0.08	0.16	0.22	0.18	1.32
5.00	0.83	0.66	0.01	0.09	0.02	0.05	0.01	0.04	0.37	0.38	0.44	0.62	0.62	0.33	1.16
5.50	0.69	0.94	0.08	0.01	0.10	0.02	0.07	0.04	0.06	0.02	0.10	0.11	0.09	0.02	0.88
6.00	1.09	1.99	0.03	0.03	0.02	0.02	0.03	0.08	0.07	0.09	0.11	0.06	0.15	0.01	0.98
7.00	1.99	3.24	0.08	0.05	0.10	0.06	0.03	0.03	0.03	0.12	0.03	0.11	0.02	0.03	0.52
8.00	5.93	5.42	0.01	0.01	0.03	0.02	0.01	0.07	0.03	0.04	0.01	0.21	0.06	0.01	0.75
9.00	7.34	8.23	0.01	0.01	0.03	0.01	0.01	0.01	0.01	0.08	0.24	0.17	0.13	0.01	0.33
10.00	10.42	10.26	0.58	0.52	0.41	0.41	0.41	0.35	0.01	0.07	0.19	0.35	0.12	0.01	0.48
10.00+	60.70	65.37	8.37	7.49	8.82	6.21	7.36	7.41	13.28	13.25	11.58	14.58	14.81	13.17	27.25
% GRAVEL	0.00	0.00	0.04	0.10	0.29	0.06	0.26	0.60	2.75	2.81	3.63	6.31	5.22	1.88	14.15
% SAND	10.65	3.52	90.66	91.57	90.07	92.97	91.72	91.25	83.39	82.97	83.48	77.20	78.49	84.32	51.56
% SILT	10.63	12.37	0.26	0.22	0.28	0.25	0.21	0.28	0.56	0.75	0.76	1.28	1.17	0.58	5.60
% CLAY	78.46	83.87	8.97	8.02	9.26	6.63	7.79	7.78	13.30	13.41	12.01	15.10	15.05	13.19	28.06
% SIEVE LOSS	0.11	0.15	0.07	0.09	0.10	0.09	0.02	0.10	0.00	0.06	0.11	0.08	0.04	0.03	0.08
% TOTAL	99.86	99.91	100.00	100.00	100.00	99.99	100.00	100.00	100.00	99.99	99.99	99.97	99.97	100.00	99.46
MEAN PHI	9.87	10.40	2.63	2.49	2.63	2.38	2.47	17.73	2.49	2.39	2.27	2.48	2.51	2.50	3.53
SORTING	2.81	2.03	2.82	2.71	2.89	2.49	2.68	96.26	3.63	3.71	3.51	3.94	3.91	3.62	5.22
SKEWNESS	-1.81	-2.32	2.67	2.85	2.57	3.17	2.85	-0.18	1.92	1.86	2.02	1.65	1.69	1.91	0.72
KURTOSIS	4.98	8.30	8.57	9.67	8.11	11.82	9.86	0.03	5.16	4.96	5.71	4.22	4.31	5.14	1.73

A-46

Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-3

STATION PHI SIZE	D3-2	D3-3	D3-4	D3-5	D4-1	D4-2	D4-3	D4-4	D4-5	D4-6
WEIGHT PERCENT										
-1.50	7.89	14.43	16.87	15.45	0.00	0.00	0.00	0.00	0.00	0.00
-1.00	3.56	7.66	4.30	6.25	0.00	0.00	0.00	0.00	0.00	0.00
-0.50	6.61	11.15	14.67	12.21	0.00	0.00	0.00	0.00	0.00	0.00
0.00	8.17	15.52	15.28	17.95	0.00	0.00	0.00	0.00	0.00	0.00
0.50	5.21	11.28	10.15	11.80	0.00	0.00	0.00	0.00	0.00	0.00
1.00	1.93	4.70	4.28	3.93	0.33	0.00	0.00	0.00	0.00	0.00
1.50	3.14	8.02	7.92	5.68	0.26	0.53	0.36	0.25	0.22	0.26
2.00	1.27	3.15	3.52	2.20	0.39	0.66	0.49	0.25	0.34	0.40
2.50	0.66	1.09	1.25	0.90	0.43	1.10	0.81	0.44	0.50	0.62
3.00	0.39	0.44	0.56	0.47	0.57	1.03	0.68	0.42	0.55	0.88
3.50	0.94	0.37	0.61	0.48	2.89	3.67	3.69	2.31	2.77	4.34
4.00	0.48	0.25	0.47	0.29	1.59	3.27	2.58	1.36	1.48	1.88
4.50	1.39	0.49	1.08	1.24	3.40	1.57	0.82	2.08	3.58	3.33
5.00	2.18	0.04	0.71	0.23	1.13	0.02	0.55	1.35	1.95	1.01
5.50	0.54	0.62	0.81	0.54	6.15	4.84	4.62	5.64	5.73	5.87
6.00	1.28	0.04	0.69	0.05	5.82	4.77	4.52	5.37	5.73	4.86
7.00	2.07	0.13	0.37	0.35	7.92	7.28	7.14	7.28	7.88	8.69
8.00	1.08	0.21	0.84	0.82	7.10	6.24	6.34	7.52	6.72	6.96
9.00	1.59	0.25	0.74	0.61	7.92	6.18	6.12	5.99	7.47	7.51
10.00	0.11	0.29	0.91	1.06	8.27	8.02	8.74	8.63	8.58	9.10
10.00+	49.42	19.73	13.75	17.41	42.77	43.82	46.17	50.12	45.07	41.09
% GRAVEL										
	11.45	22.09	21.16	21.70	0.00	0.00	0.00	0.00	0.00	0.00
% SAND										
	28.79	55.97	58.71	55.91	6.47	10.27	8.62	5.03	5.85	8.38
% SILT										
	8.54	1.53	4.49	3.24	31.52	24.72	24.00	29.24	31.57	30.73
% CLAY										
	51.12	20.27	15.40	19.07	58.96	58.02	61.02	64.74	61.12	57.69
% SIEVE LOSS										
	0.00	0.08	0.05	0.05	0.05	0.15	0.13	0.00	0.01	0.05
% TOTAL										
	99.90	99.95	99.83	99.98	97.00	93.16	93.77	99.02	98.55	96.85
MEAN PHI										
	6.35	2.25	1.88	2.15	8.85	8.51	8.79	9.61	9.08	8.74
SORTING										
	5.62	4.81	4.37	4.73	2.74	2.89	2.79	3.09	2.72	2.81
SKEWNESS										
	-0.32	1.27	1.48	1.30	-0.60	-0.32	-0.50	-1.34	-0.76	-0.54
KURTOSIS										
	1.23	2.86	3.60	2.95	2.38	2.08	2.29	2.91	2.39	2.17

A-47

Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-4

STATION PHI SIZE	C1-1	C1-2	C1-3	C1-4	C1-5	C1-6	C2-1	C2-2	C2-3	C2-4	C2-5	C2-6	C3-1	C3-2
WEIGHT PERCENT														
-1.50	0.29	0.20	0.38	0.33	1.23	0.54	0.05	0.00	0.06	0.27	0.04	0.03	0.00	0.00
-1.00	0.20	0.36	0.18	0.12	0.34	0.28	0.05	0.05	0.09	0.14	0.10	0.11	0.00	0.00
-0.50	0.43	0.44	0.36	0.35	0.41	0.46	0.07	0.10	0.15	0.06	0.07	0.09	0.01	0.00
0.00	0.28	0.48	0.51	0.38	0.48	0.57	0.21	0.07	0.08	0.11	0.04	0.16	0.00	0.00
0.50	0.47	0.53	0.55	0.45	0.50	0.72	0.15	0.10	0.14	0.10	0.12	0.12	0.04	0.00
1.00	0.87	0.91	0.83	0.67	0.80	1.28	0.20	0.12	0.17	0.14	0.13	0.13	0.07	0.00
1.50	2.03	1.99	1.84	1.74	1.96	2.36	0.48	0.26	0.38	0.26	0.33	0.30	0.21	0.01
2.00	9.16	8.92	8.89	7.22	8.95	7.60	1.96	0.96	1.47	1.19	1.31	0.97	0.47	0.03
2.50	24.47	23.27	23.10	21.40	22.61	21.91	3.19	1.88	2.70	2.06	2.59	2.23	0.42	0.08
3.00	20.76	21.90	21.58	20.45	21.49	20.34	2.92	2.14	2.54	2.42	2.48	2.48	0.56	0.28
3.50	13.11	14.32	14.30	15.14	13.14	14.13	7.20	6.34	6.73	6.23	7.34	7.72	1.00	0.47
4.00	6.37	6.90	7.62	8.62	6.29	6.16	4.52	4.79	5.41	4.69	4.21	5.25	0.45	0.26
4.50	0.75	0.81	1.22	0.97	1.37	1.78	3.23	4.13	4.70	3.77	3.69	2.89	2.41	0.35
5.00	0.20	0.26	0.14	0.02	0.26	0.45	2.05	3.95	8.49	2.26	3.35	4.51	0.37	0.54
5.50	0.07	0.49	0.14	0.20	0.67	0.28	3.18	5.44	1.13	4.64	5.86	2.16	3.34	4.01
6.00	0.34	0.33	0.46	0.30	0.46	0.05	3.70	2.87	0.51	3.87	2.59	1.69	3.34	2.63
7.00	0.41	0.18	0.32	0.54	0.79	0.73	4.00	4.96	7.53	2.24	0.73	3.85	3.68	2.36
8.00	0.35	0.42	0.49	0.44	0.73	0.42	4.87	3.95	2.75	7.99	3.86	3.28	5.40	7.62
9.00	0.59	0.42	0.57	0.55	0.67	0.70	2.60	4.90	3.59	3.87	5.04	9.05	5.12	5.75
10.00	0.42	0.79	0.81	0.67	1.02	0.31	8.21	4.15	3.96	7.24	9.58	2.03	10.53	14.01
10.00+	16.59	13.78	12.93	16.48	13.78	17.35	45.79	47.45	46.00	44.82	45.13	48.20	62.43	61.50
% GRAVEL	0.49	0.56	0.56	0.45	1.57	0.82	0.10	0.05	0.15	0.41	0.14	0.15	0.00	0.00
% SAND	77.95	79.66	79.59	76.42	76.64	75.53	20.90	16.75	19.78	17.27	18.63	19.44	3.23	1.13
% SILT	2.11	2.49	2.76	2.46	4.27	3.71	21.03	25.29	25.10	24.76	20.08	18.39	18.54	17.51
% CLAY	17.60	14.99	14.31	17.70	15.47	18.36	56.61	56.50	53.56	55.93	59.75	59.27	78.08	81.25
% SIEVELOSS	0.16	0.01	0.10	0.13	0.08	0.05	0.10	0.14	0.13	0.13	0.12	0.15	0.09	0.09
% TOTAL	98.31	97.71	97.31	97.17	98.03	98.46	98.74	98.73	98.72	98.50	98.72	97.40	99.94	99.98
MEAN PHI	2.21	2.30	2.34	2.29	2.36	2.22	3.07	2.97	2.83	3.26	3.23	2.79	2.94	3.31
SORTING	1.25	1.31	1.36	1.33	1.55	1.33	2.95	2.77	2.67	2.97	3.02	2.82	3.38	3.52
SKEWNESS	3.36	3.31	3.31	3.39	2.78	2.81	2.07	2.11	2.21	1.95	2.07	2.15	1.95	1.82
KURTOSIS	20.15	20.00	19.02	19.18	14.58	16.00	4.71	4.89	5.42	4.26	4.64	4.97	3.95	3.42

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Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-4

STATION PHI SIZE	C3-3	C3-4	C3-5	C3-6	C4-1	C4-2	C4-3	C4-4	C4-5	C4-6	M1-1	M1-2	M1-3	M1-4
WEIGHT PERCENT														
-1.50	0.04	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.46	0.15	0.48	7.26
-1.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.23	0.39	0.75
-0.50	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.35	0.40	0.69
0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.48	0.38	0.41
0.50	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.49	0.40	0.51
1.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.94	0.91	0.99
1.50	0.01	0.00	0.25	0.00	0.00	0.01	0.01	0.01	0.01	0.01	2.55	2.54	3.09	2.47
2.00	0.02	0.01	0.55	0.01	0.00	0.01	0.00	0.00	0.00	0.01	7.02	7.66	7.16	5.33
2.50	0.15	0.07	0.45	0.06	0.01	0.02	0.01	0.02	0.01	0.03	11.15	13.76	12.01	7.92
3.00	0.21	0.19	0.59	0.10	0.02	0.04	0.02	0.02	0.03	0.04	24.28	26.19	24.54	17.40
3.50	0.45	0.43	0.62	0.32	0.06	0.10	0.04	0.04	0.05	0.11	16.61	17.06	16.56	14.02
4.00	0.25	0.18	0.20	0.12	0.04	0.03	0.02	0.01	0.02	0.02	5.14	5.35	5.79	6.57
4.50	1.65	2.04	0.35	1.70	0.88	0.03	0.21	2.26	0.77	0.41	1.41	0.94	1.10	1.09
5.00	2.23	1.34	3.65	1.30	0.18	0.66	0.53	0.21	0.89	1.91	0.65	0.75	0.53	1.16
5.50	2.20	0.52	2.12	3.00	1.58	0.69	1.99	0.71	0.77	0.15	0.51	0.53	0.27	0.98
6.00	0.36	2.71	2.36	3.00	1.26	2.73	1.81	1.98	1.38	1.06	0.49	0.36	0.54	0.99
7.00	5.57	5.50	3.37	3.69	5.76	3.90	3.98	4.24	6.18	6.29	0.84	0.36	0.66	1.35
8.00	4.52	5.69	2.09	3.03	5.02	5.49	6.14	4.03	5.42	5.79	1.37	1.01	1.24	1.59
9.00	8.07	6.75	5.84	9.32	8.04	8.56	6.61	8.02	7.96	7.82	0.30	0.58	0.72	1.11
10.00	12.04	12.89	12.69	12.17	8.15	8.43	8.17	6.25	8.72	9.03	1.60	0.85	0.91	1.61
10.00+	62.08	61.55	64.41	62.06	68.98	69.30	70.45	72.20	67.64	67.30	22.63	18.45	20.42	23.70
% GRAVEL	0.04	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.69	0.38	0.87	8.01
% SAND	1.11	0.90	2.82	0.62	0.14	0.21	0.10	0.11	0.12	0.23	68.58	74.81	71.25	56.31
% SILT	16.53	17.79	13.94	15.71	14.68	13.50	14.67	13.42	15.39	15.62	5.26	3.96	4.33	7.16
% CLAY	82.19	81.19	82.94	83.55	85.17	86.29	85.23	86.46	84.32	84.16	24.53	19.88	22.05	26.43
% SIEVELOSS	0.07	0.07	0.18	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.06	0.09
% TOTAL	99.95	99.95	99.96	99.95	100.00	100.00	100.00	100.00	100.00	100.00	99.06	99.04	98.55	97.99
MEAN PHI	3.19	3.28	2.83	3.21	2.70	2.71	2.57	2.36	2.80	2.84	2.31	2.32	2.28	2.08
SORTING	3.49	3.50	3.48	3.50	3.47	3.50	3.45	3.38	3.49	3.49	1.67	1.45	1.58	2.21
SKEWNESS	1.86	1.83	1.98	1.86	1.95	1.94	1.99	2.08	1.90	1.90	3.18	3.30	3.05	1.74
KURTOSIS	3.55	3.44	4.09	3.55	3.90	3.86	4.09	4.44	3.75	3.73	14.30	16.81	14.47	7.33

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Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-4

STATION PHI SIZE	M1-5	M1-6	M2-1	M2-2	M2-3	M2-4	M2-5	M2-6	M3-1	M3-2	M3-3	M3-4	M3-5	M3-6
WEIGHT PERCENT														
-1.50	0.05	0.27	0.13	0.00	0.22	0.00	0.77	0.07	0.14	0.84	0.03	0.56	2.49	0.26
-1.00	0.15	0.16	0.10	0.07	0.05	0.20	0.34	0.23	0.32	0.63	0.14	0.50	0.79	0.22
-0.50	0.32	0.14	0.15	0.07	0.25	0.23	0.41	0.26	0.15	0.45	0.28	0.48	1.26	0.48
0.00	0.31	0.22	0.10	0.11	0.30	0.22	0.34	0.28	0.35	0.51	0.34	0.75	0.58	0.38
0.50	0.47	0.24	0.48	0.42	0.59	0.59	0.64	0.55	0.50	0.43	0.48	0.93	0.59	0.48
1.00	0.93	0.44	3.10	3.18	3.12	3.82	3.19	2.94	1.10	0.70	1.07	1.41	0.96	0.73
1.50	2.42	1.41	19.34	20.07	16.62	20.31	18.35	18.44	3.36	2.41	2.49	2.63	2.66	2.14
2.00	6.09	4.06	47.53	49.88	47.54	47.68	49.20	48.31	11.60	12.09	5.67	5.77	8.11	10.78
2.50	8.68	6.57	9.99	9.40	8.26	8.84	9.52	11.12	15.62	18.73	7.41	8.47	13.51	22.44
3.00	20.45	19.63	3.39	1.92	3.64	2.99	3.61	3.01	14.58	12.15	12.66	13.87	15.96	13.54
3.50	14.15	14.53	0.74	0.67	0.70	0.61	0.81	0.85	5.24	3.36	8.70	7.88	8.39	4.20
4.00	6.47	6.27	0.14	0.16	0.14	0.12	0.17	0.19	1.15	0.81	2.23	2.00	2.31	1.14
4.50	0.89	1.29	0.50	0.86	1.26	0.02	0.22	0.08	1.35	0.67	2.20	0.10	1.34	0.14
5.00	0.88	1.05	0.71	0.08	0.15	0.69	0.89	0.43	0.93	1.67	3.02	3.40	2.41	2.81
5.50	0.66	0.59	0.03	0.10	0.04	0.12	0.05	0.06	0.22	1.46	1.11	0.26	1.07	0.22
6.00	0.55	0.74	0.18	0.08	0.02	0.03	0.07	0.11	1.31	1.16	1.14	0.22	1.01	0.67
7.00	0.98	1.16	0.13	0.00	0.06	0.03	0.05	0.06	1.37	0.30	0.32	1.01	1.42	1.53
8.00	1.82	1.62	0.07	0.08	0.06	0.00	0.01	0.00	1.44	0.98	1.09	2.51	0.43	1.03
9.00	0.84	1.44	0.10	0.12	0.02	0.00	0.03	0.15	1.09	0.26	2.89	3.54	2.08	0.54
10.00	1.72	1.44	0.13	0.10	0.19	0.63	0.51	0.00	1.18	3.01	1.26	2.13	1.26	1.82
10.00+	28.88	34.87	12.95	12.56	16.73	12.78	10.72	12.79	36.72	37.26	45.01	40.85	30.72	34.15
% GRAVEL	0.20	0.43	0.23	0.07	0.26	0.20	1.11	0.30	0.46	1.46	0.18	1.06	3.29	0.48
% SAND	60.29	53.52	84.95	85.89	81.14	85.41	86.24	85.97	53.63	51.65	41.33	44.19	54.32	56.30
% SILT	5.79	6.44	1.63	1.21	1.58	0.88	1.30	0.73	6.63	6.24	8.88	7.50	7.69	6.40
% CLAY	31.43	37.76	13.18	12.77	16.93	13.40	11.26	12.94	38.98	40.53	49.16	46.52	34.07	36.51
% SIEVE LOSS	0.09	0.24	0.00	0.05	0.06	0.08	0.08	0.03	0.11	0.10	0.05	0.15	0.08	0.10
% TOTAL	97.81	98.40	99.99	99.99	99.98	99.99	99.98	99.97	99.81	99.97	99.59	99.41	99.45	99.80
MEAN PHI	2.22	2.16	1.49	1.46	1.40	1.47	1.50	1.45	1.85	1.82	1.90	2.06	1.98	1.91
SORTING	1.84	1.90	0.81	0.73	0.79	0.92	0.96	0.69	1.87	2.02	2.09	2.38	2.04	1.83
SKEWNESS	3.18	3.08	5.09	5.77	4.93	6.49	4.73	4.01	3.24	3.19	2.99	2.69	2.45	3.36
KURTOSIS	12.53	11.64	44.71	56.28	46.31	60.74	44.44	39.05	12.65	12.87	10.49	8.59	9.63	13.95

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Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-4

STATION PHI SIZE	M4-1	M4-2	M4-3	M4-4	M4-5	M4-6	D1-1	D1-2	D1-3	D1-4	D1-5	D1-6	D2-1	D2-2
WEIGHT PERCENT														
-1.50	0.00	0.07	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.09	0.00	0.00	1.25	0.30
-1.00	0.00	0.03	0.00	0.00	0.05	0.00	0.02	0.00	0.04	0.01	0.00	0.00	0.63	0.43
-0.50	0.00	0.02	0.02	0.00	0.00	0.00	0.05	0.04	0.01	0.07	0.05	0.03	1.04	1.07
0.00	0.00	0.01	0.09	0.00	0.03	0.02	0.10	0.10	0.08	0.13	0.06	0.10	1.27	1.13
0.50	0.01	0.05	0.09	0.10	0.04	0.02	0.25	0.30	0.20	0.24	0.18	0.38	2.35	2.07
1.00	0.06	0.07	0.21	0.11	0.04	0.02	1.05	1.38	0.98	1.07	0.97	1.91	8.69	6.82
1.50	0.05	0.15	0.41	0.17	0.09	0.07	5.11	8.06	4.61	4.62	5.26	7.75	22.39	20.13
2.00	0.15	0.27	0.82	0.37	0.17	0.16	33.25	33.36	33.94	33.94	35.85	37.01	43.79	45.99
2.50	0.28	0.42	1.48	0.67	0.40	0.46	39.18	37.30	39.18	39.14	39.18	33.84	7.92	10.32
3.00	0.80	0.96	2.26	0.83	0.81	0.87	10.93	10.45	11.03	12.00	10.25	8.93	1.05	1.18
3.50	1.68	1.78	2.73	1.94	2.00	2.39	1.21	1.04	1.26	1.49	1.07	0.99	0.19	0.19
4.00	0.80	0.45	0.78	0.53	0.97	0.89	0.12	0.09	0.12	0.14	0.08	0.08	0.08	0.10
4.50	2.03	1.27	0.99	1.21	2.36	2.16	0.24	0.18	0.06	0.17	0.04	0.10	0.36	0.06
5.00	2.27	1.34	2.66	2.73	0.08	2.56	0.34	0.03	0.05	0.13	0.00	0.10	0.71	0.02
5.50	0.05	3.92	0.50	1.14	3.89	1.23	0.05	0.02	0.06	0.01	0.01	0.35	0.10	0.06
6.00	3.72	3.23	1.52	2.27	3.66	1.40	0.04	0.02	0.03	0.09	0.27	0.02	0.00	0.00
7.00	5.99	1.84	4.64	6.10	2.71	5.85	0.06	0.18	0.03	0.04	0.10	0.04	0.14	0.02
8.00	0.34	3.19	0.89	1.28	3.85	3.59	0.04	0.14	0.05	0.11	0.06	0.06	0.09	0.27
9.00	9.33	7.14	6.34	9.16	6.87	6.55	0.08	0.02	0.26	0.10	0.02	0.05	0.06	0.06
10.00	6.14	8.34	6.84	5.32	4.08	5.52	0.14	0.11	0.09	0.24	0.06	0.08	1.32	0.19
10.00+	66.08	65.36	66.39	65.88	67.50	65.99	7.60	7.07	7.82	6.15	6.40	8.05	6.50	9.51
% GRAVEL	0.00	0.09	0.00	0.00	0.05	0.00	0.15	0.00	0.04	0.10	0.00	0.00	1.88	0.73
% SAND	3.83	4.19	8.90	4.72	4.55	4.92	91.25	92.13	91.42	92.85	92.97	91.02	88.76	89.00
% SILT	14.40	14.79	11.20	14.73	16.55	16.78	0.76	0.56	0.29	0.55	0.48	0.67	1.40	0.42
% CLAY	81.54	80.84	79.58	80.36	78.44	78.06	7.83	7.20	8.18	6.48	6.47	8.18	7.88	9.76
% SIEVELOSS	0.11	0.06	0.12	0.13	0.32	0.14	0.00	0.11	0.06	0.01	0.07	0.12	0.08	0.08
% TOTAL	99.87	99.97	99.80	99.94	99.92	99.90	99.99	100.00	99.99	99.99	99.99	99.99	100.00	99.99
MEAN PHI	2.56	2.62	2.27	2.52	2.31	2.47	1.94	1.91	1.94	1.98	1.94	1.84	1.44	1.34
SORTING	3.27	3.32	3.19	3.24	3.11	3.19	0.74	0.73	0.75	0.80	0.68	0.71	1.34	0.85
SKEWNESS	2.07	2.06	2.25	2.08	2.15	2.11	3.83	4.10	4.68	4.59	3.52	3.59	4.36	4.36
KURTOSIS	4.44	4.43	5.26	4.50	4.88	4.65	40.40	40.08	46.95	45.90	34.01	34.28	30.57	46.22

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Sediment Texture Summary Arranged by Sample (cont'd)
Cruise B-4

STATION PHI SIZE	D2-3	D2-4	D2-5	D2-6	D3-1	D3-2	D3-3	D3-4	D3-5	D3-6	D4-1	D4-2	D4-3	D4-4	D4-5	D4-6
WEIGHT PERCENT																
-1.50	0.00	0.25	0.39	0.42	11.65	3.89	4.23	7.81	4.40	13.37	0.00	0.00	0.00	0.00	0.00	0.00
-1.00	0.03	0.35	0.12	0.45	7.44	4.35	4.11	5.62	4.46	3.70	0.00	0.02	0.00	0.06	0.00	0.00
-0.50	0.13	0.32	0.41	0.62	12.36	7.32	6.86	7.81	6.91	5.71	0.02	0.00	0.00	0.00	0.00	0.00
0.00	0.59	0.76	0.59	0.92	11.42	9.21	8.72	8.62	9.11	7.90	0.03	0.02	0.07	0.00	0.02	0.00
0.50	1.44	1.47	1.10	1.80	7.61	7.47	7.00	6.64	7.24	7.26	0.04	0.03	0.06	0.03	0.02	0.02
1.00	7.29	8.82	5.82	7.21	5.31	6.51	6.63	5.82	6.61	6.92	0.10	0.08	0.12	0.08	0.06	0.05
1.50	22.32	29.37	23.03	21.86	4.47	6.80	7.66	5.99	5.72	5.21	0.16	0.11	0.11	0.10	0.12	0.11
2.00	48.43	44.46	48.52	46.61	6.50	9.95	11.98	8.91	5.75	4.92	0.21	0.16	0.16	0.14	0.17	0.17
2.50	8.68	6.79	8.89	8.37	3.78	5.78	6.47	4.55	3.55	2.80	0.24	0.40	0.16	0.20	0.25	0.28
3.00	0.83	0.54	0.98	1.23	2.01	3.24	3.55	3.01	3.59	2.22	0.41	0.39	0.28	0.23	0.25	0.31
3.50	0.11	0.11	0.20	0.20	1.51	2.76	1.94	2.06	4.21	2.70	2.29	2.57	1.57	1.17	1.35	1.34
4.00	0.04	0.05	0.11	0.10	0.92	2.45	0.87	1.22	4.58	1.83	1.44	1.58	1.12	0.81	0.84	1.16
4.50	0.47	0.02	0.22	0.06	1.33	2.86	2.36	2.05	3.21	2.94	2.98	3.46	4.58	4.22	0.50	4.01
5.00	0.03	0.07	0.07	0.03	1.27	2.13	1.69	2.00	2.06	2.62	6.42	6.56	4.12	4.14	9.18	5.24
5.50	0.04	0.13	0.07	0.08	1.09	1.69	1.33	1.70	1.82	1.56	5.37	3.95	5.66	6.62	1.32	4.54
6.00	0.06	0.04	0.04	0.02	0.67	1.14	0.97	0.57	1.43	1.36	5.60	5.42	5.66	4.53	4.59	6.97
7.00	0.06	0.06	0.03	0.06	1.59	1.55	0.97	1.08	1.67	2.48	5.81	9.01	4.39	4.45	6.81	4.19
8.00	0.04	0.07	0.05	0.38	1.10	1.02	0.82	0.35	0.79	1.36	6.39	4.90	5.85	4.18	3.95	18.66
9.00	0.25	0.14	0.03	0.61	1.03	0.95	0.70	1.43	1.33	1.31	5.37	6.15	5.28	7.63	6.86	0.84
10.00	0.83	0.51	0.07	0.43	2.44	1.96	2.45	2.56	1.81	2.47	9.34	8.14	8.93	5.73	8.50	1.97
10.00+	8.20	5.62	9.23	8.48	13.88	15.71	18.30	19.46	16.27	17.88	45.58	44.24	51.09	55.32	54.73	49.34
% GRAVEL	0.03	0.61	0.51	0.87	19.08	8.25	8.34	13.44	8.86	17.07	0.00	0.02	0.00	0.06	0.00	0.00
% SAND	89.85	92.69	89.65	88.91	55.91	61.49	61.66	54.63	57.28	47.46	4.94	5.35	3.65	2.76	3.07	3.44
% SILT	0.69	0.39	0.48	0.62	7.04	10.39	8.14	7.75	11.00	12.33	32.57	33.29	30.27	28.15	26.35	43.61
% CLAY	9.29	6.27	9.32	9.51	17.36	18.63	21.46	23.44	19.41	21.66	60.29	58.53	65.30	68.68	70.08	52.15
% SIEVELOSS	0.14	0.04	0.03	0.08	0.06	0.19	0.11	0.12	0.25	0.15	0.10	0.15	0.05	0.11	0.14	0.12
% TOTAL	100.00	99.99	99.99	99.99	99.46	98.95	99.71	99.38	96.80	98.66	97.91	97.33	99.28	99.77	99.64	99.33
MEAN PHI	1.49	1.42	1.39	1.45	0.84	1.41	1.29	1.15	1.45	1.29	3.70	3.72	3.45	3.13	3.29	3.41
SORTING	1.08	0.94	0.66	1.15	2.66	2.48	2.41	2.55	2.54	2.83	3.02	2.98	3.08	3.05	3.17	2.80
SKEWNESS	6.24	5.89	3.58	5.05	2.11	1.86	2.14	2.09	1.74	1.70	1.86	1.85	1.90	1.95	1.91	1.78
KURTOSIS	50.32	57.08	47.59	37.95	7.30	6.58	7.98	7.49	5.96	5.36	3.71	3.68	3.86	4.06	3.84	3.36

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Sediment Texture Summary Arranged by Station

Sediment Texture Summary Arranged by Station

Station C1

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis	Organic C %	CaCO ₃ %
MMS 1987-B0	C1-1	0.02%	30.75%	28.60%	39.29%	3.15	2.19	2.59	7.63		
MMS 1987-B0	C1-2	0.05%	29.00%	29.82%	40.28%	3.21	2.20	2.58	7.73		
MMS 1987-B0	C1-3	0.00%	35.53%	28.71%	34.70%	3.15	2.03	2.70	8.56		
MMS 1987-B0	C1-7	0.07%	31.24%	27.20%	39.31%	3.00	2.19	2.58	7.72		
MMS 1987 B0	C1-8	0.36%	30.74%	26.82%	41.33%	2.82	2.08	2.55	8.19		
MMS 1987-B0	C1-9	0.26%	28.71%	26.88%	43.37%	2.89	2.21	2.54	7.70		
MMS 1987-B0	C1/cgs	0.16%	31.78%	31.41%	36.18%	3.18	2.06	2.61	8.17	1.3	8.2
MMS 1987-B1	C1-1	8.18%	49.65%	24.30%	14.67%	3.27	2.39	0.84	5.21		
MMS 1987-B1	C1-2	0.64%	55.98%	25.09%	15.45%	3.68	1.94	2.32	8.12		
MMS 1987-B1	C1-3	0.45%	57.35%	22.92%	14.91%	3.57	1.92	2.37	8.38		
MMS 1987-B1	C1-4	0.12%	61.53%	20.29%	13.37%	3.57	1.80	2.74	9.75		
MMS 1987-B1	C1-5	0.16%	57.48%	21.82%	16.02%	3.66	1.97	2.55	8.23		
MMS 1987-B1	C1-6	0.24%	58.80%	27.74%	10.46%	4.03	2.22	1.88	5.14		
MMS 1987-B1	C1/cgs	0.37%	54.73%	24.60%	16.37%	3.59	1.91	2.47	8.45	0.7	7
MMS 1988-B2	C1-1	0.08%	51.12%	25.82%	19.02%	4.54	2.49	1.62	3.98		
MMS 1988-B2	C1-2	0.04%	50.65%	29.93%	16.52%	4.56	2.32	1.68	4.29		
MMS 1988-B2	C1-3	0.03%	19.24%	73.47%	6.37%	4.61	1.55	2.23	8.26		
MMS 1988-B2	C1-4	0.04%	57.33%	26.89%	12.54%	4.35	2.19	1.74	4.69		
MMS 1988-B2	C1-5	0.08%	55.77%	25.75%	15.22%	4.13	2.19	2.08	6.09		
MMS 1988-B2	C1-6	0.12%	51.14%	27.88%	18.11%	4.51	2.39	1.58	4.05		
MMS 1988-B2	C1/cgs	0.09%	52.85%	36.15%	7.79%	4.51	2.21	1.34	3.46	0.6	5.6
MMS 1988-B3	C1-2	0.32%	58.57%	10.11%	27.61%	2.46	1.81	2.93	11.50		
MMS 1988-B3	C1-3	0.04%	58.23%	11.47%	27.58%	2.58	1.82	3.06	11.78		
MMS 1988-B3	C1-4	0.32%	60.92%	9.44%	25.91%	2.53	1.74	3.19	13.49		
MMS 1988-B3	C1-5	1.65%	60.85%	9.75%	25.52%	2.43	1.77	2.71	11.77		
MMS 1988-B3	C1-6	0.18%	57.82%	8.73%	31.31%	2.46	1.89	3.18	12.39		
MMS 1988-B3	C1/cgs	0.24%	65.59%	8.26%	23.97%	2.47	1.60	3.25	14.57	0.3	7.4
MMS 1989-B4	C1-1	0.49%	77.95%	2.11%	17.60%	2.21	1.25	3.36	20.15		
MMS 1989-B4	C1-2	0.56%	79.66%	2.49%	14.99%	2.30	1.31	3.31	20.00		
MMS 1989-B4	C1-3	0.56%	79.59%	2.76%	14.31%	2.34	1.36	3.31	19.02		
MMS 1989-B4	C1-4	0.45%	76.42%	2.46%	17.70%	2.29	1.33	3.39	19.18		
MMS 1989-B4	C1-5	1.57%	76.64%	4.27%	15.47%	2.36	1.55	2.78	14.58		
MMS 1989-B4	C1-6	0.82%	75.53%	3.71%	18.36%	2.22	1.33	2.81	16.00		
MMS 1989-B4	C1/cgs	0.73%	77.41%	4.44%	15.91%	2.36	1.52	3.09	15.45	0.2	4.8

Sediment Texture Summary Arranged by Station (cont'd)

Station C2

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis	Organic C %	CaCO3 %
MMS 1987-B0	C2-1	0.69%	72.44%	3.27%	23.58%	2.03	1.64	3.67	17.72		
MMS 1987-B0	C2-2	14.63%	68.54%	1.40%	15.35%	0.80	1.63	2.12	13.56		
MMS 1987-B0	C2-3	0.84%	68.99%	3.15%	26.92%	1.75	1.73	3.75	17.34		
MMS 1987-B0	C2-7	2.24%	61.40%	2.85%	33.52%	1.61	2.06	3.30	13.39		
MMS 1987-B0	C2-8	0.51%	75.69%	1.29%	22.42%	1.64	1.28	4.49	28.86		
MMS 1987-B0	C2-9	1.39%	73.70%	2.84%	21.99%	1.76	1.79	3.49	16.13		
MMS 1987-B0	C2/cgs	5.86%	70.52%	3.02%	20.49%	1.56	1.74	2.44	13.10	0.3	7.1
MMS 1987-B1	C2-1	0.31%	23.82%	63.03%	12.18%	5.90	2.55	0.06	1.90		
MMS 1987-B1	C2-2	0.45%	23.02%	64.74%	10.67%	6.06	2.50	-0.02	1.85		
MMS 1987-B1	C2-3	0.20%	27.42%	59.31%	11.83%	5.80	2.54	0.20	1.79		
MMS 1987-B1	C2-4	0.31%	26.57%	62.72%	9.02%	5.82	2.53	0.06	1.80		
MMS 1987-B1	C2-5	0.67%	26.98%	60.16%	10.14%	5.81	2.57	0.07	1.96		
MMS 1987-B1	C2-6	0.20%	24.56%	52.86%	20.95%	5.97	2.61	0.28	1.83		
MMS 1987-B1	C2/cgs	0.27%	26.13%	42.31%	29.62%	5.48	2.85	0.73	2.19	0.7	2.5
MMS 1988-B2	C2-1	0.06%	23.08%	46.29%	30.48%	5.80	2.68	0.63	1.95		
MMS 1988-B2	C2-2	0.32%	25.13%	43.53%	30.93%	6.19	2.89	-0.04	1.68		
MMS 1988-B2	C2-3	0.14%	24.75%	37.76%	37.25%	6.17	2.92	0.21	1.68		
MMS 1988-B2	C2-4	0.13%	11.92%	44.08%	43.83%	7.06	2.47	-0.40	2.16		
MMS 1988-B2	C2-5	0.19%	19.49%	37.50%	42.66%	6.28	2.92	0.41	1.78		
MMS 1988-B2	C2-6	0.00%	19.63%	59.12%	21.15%	5.99	2.52	0.28	1.83		
MMS 1988-B2	C2/cgs	0.18%	13.25%	41.20%	45.31%	7.02	2.53	-0.38	2.14	1.5	6.8
MMS 1988-B3	C2-1	0.15%	18.42%	20.47%	59.17%	3.87	2.58	1.70	4.34		
MMS 1988-B3	C2-2	0.61%	20.86%	18.96%	56.74%	2.76	2.86	2.14	5.15		
MMS 1988-B3	C2-3	0.04%	22.89%	20.29%	54.96%	2.96	2.81	2.18	5.20		
MMS 1988-B3	C2-4	0.22%	23.03%	20.13%	55.05%	4.05	2.45	1.55	4.35		
MMS 1988-B3	C2-5	0.16%	17.88%	22.89%	58.45%	2.91	2.86	2.14	5.01		
MMS 1988-B3	C2-6	0.15%	21.27%	20.65%	57.36%	2.88	2.83	2.16	5.13		
MMS 1988-B3	C2/cgs	0.10%	21.42%	19.55%	57.26%	2.81	2.82	2.20	5.28	0.9	11.4
MMS 1989-B4	C2-1	0.10%	20.90%	21.03%	56.61%	3.07	2.95	2.07	4.71		
MMS 1989-B4	C2-2	0.05%	16.75%	25.29%	56.50%	2.97	2.77	2.11	4.89		
MMS 1989-B4	C2-3	0.15%	19.78%	25.10%	53.56%	2.83	2.67	2.21	5.42		
MMS 1989-B4	C2-4	0.41%	17.27%	24.76%	55.93%	3.26	2.97	1.95	4.26		
MMS 1989-B4	C2-5	0.14%	18.63%	20.08%	59.75%	3.23	3.02	2.07	4.64		
MMS 1989-B4	C2-6	0.15%	19.44%	18.39%	59.27%	2.79	2.82	2.15	4.97		
MMS 1989-B4	C2/cgs	0.02%	15.94%	23.43%	59.55%	3.07	2.87	2.06	4.61	1	8.7

Sediment Texture Summary Arranged by Station (cont'd)

Station C3

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis	Organic C %	CaCO3 %
MMS 1987-B0	C3-1	0.00%	0.30%	19.65%	80.04%	3.26	3.43	1.82	3.42		
MMS 1987-B0	C3-2	0.00%	0.28%	17.29%	82.37%	2.94	3.44	1.89	3.70		
MMS 1987-B0	C3-3	0.00%	0.26%	17.75%	81.90%	3.13	3.47	1.84	3.48		
MMS 1987-B0	C3-7	0.00%	0.27%	17.41%	82.28%	2.95	3.45	1.90	3.74		
MMS 1987-B0	C3-8	0.00%	0.30%	16.41%	83.25%	2.77	3.43	1.94	3.89		
MMS 1987-B0	C3-9	0.00%	0.27%	15.83%	83.89%	2.64	3.42	1.96	3.95		
MMS 1987-B0	C3/cgs	0.00%	0.32%	18.26%	81.34%	3.03	3.42	1.85	3.53	1.3	1.5
MMS 1987-B1	C3-1	0.03%	1.97%	56.83%	41.10%	7.26	2.03	0.27	2.32		
MMS 1987-B1	C3-2	0.02%	1.96%	43.79%	54.18%	6.86	2.40	0.93	1.99		
MMS 1987-B1	C3-3	0.00%	2.38%	52.12%	45.49%	7.30	2.07	0.32	2.19		
MMS 1987-B1	C3-4	0.00%	1.99%	48.58%	49.34%	7.23	2.14	0.58	2.07		
MMS 1987-B1	C3-5	0.03%	2.39%	46.88%	50.69%	7.31	2.18	0.40	2.12	1.7	3.2
MMS 1987-B1	C3-6	0.03%	2.11%	65.11%	32.73%	7.24	1.92	0.07	2.63		
MMS 1987-B1	C3/cgs	0.00%	2.74%	45.38%	51.63%	6.50	2.50	1.02	2.12		
MMS 1988-B2	C3-1	0.01%	4.35%	45.01%	50.58%	7.50	2.06	-0.23	2.56		
MMS 1988-B2	C3-2	0.00%	4.67%	61.49%	33.82%	7.24	2.00	-0.26	2.70		
MMS 1988-B2	C3-3	0.07%	8.46%	38.81%	52.60%	7.46	2.30	-0.61	2.83		
MMS 1988-B2	C3-4	0.06%	9.85%	30.12%	59.92%	7.05	2.73	0.23	1.85		
MMS 1988-B2	C3-5	0.17%	18.35%	62.48%	18.95%	6.58	2.57	-0.47	2.11		
MMS 1988-B2	C3-6	0.22%	22.21%	30.32%	47.22%	6.73	2.93	-0.38	1.77		
MMS 1988-B2	C3/cgs	0.45%	45.80%	15.86%	37.60%	5.50	3.35	0.31	1.45	1.2	2.9
MMS 1988-B3	C3-1	0.00%	6.85%	15.19%	77.95%	2.72	3.34	1.99	4.14		
MMS 1988-B3	C3-2	0.14%	10.54%	15.22%	74.00%	2.62	3.25	2.04	4.42		
MMS 1988-B3	C3-3	0.10%	31.51%	8.72%	59.58%	2.19	2.95	2.35	6.06		
MMS 1988-B3	C3-4	1.45%	39.33%	7.55%	51.32%	2.20	2.71	2.49	7.07		
MMS 1988-B3	C3-5	0.08%	17.60%	11.69%	70.56%	2.42	3.16	2.20	5.07		
MMS 1988-B3	C3-6	0.09%	8.67%	11.68%	79.28%	2.33	3.31	2.14	4.77		
MMS 1988-B3	C3/cgs 1	0.10%	3.81%	12.64%	83.43%	2.46	3.39	2.06	4.40		
MMS 1988-B3	C3/cgs 2	0.13%	13.28%	13.05%	73.53%	2.71	3.28	2.06	4.44	1.3	4
MMS 1989-B4	C3-1	0.00%	3.23%	18.54%	78.08%	2.94	3.38	1.95	3.95		
MMS 1989-B4	C3-2	0.00%	1.13%	17.51%	81.25%	3.31	3.52	1.82	3.42		
MMS 1989-B4	C3-3	0.04%	1.11%	16.53%	82.19%	3.19	3.49	1.86	3.55		
MMS 1989-B4	C3-4	0.00%	0.90%	17.79%	81.19%	3.28	3.50	1.83	3.44		
MMS 1989-B4	C3-5	0.09%	2.82%	13.94%	82.94%	2.83	3.48	1.98	4.09		
MMS 1989-B4	C3-6	0.00%	0.62%	15.71%	83.55%	3.21	3.50	1.86	3.55		
MMS 1989-B4	C3/cgs	0.05%	2.08%	18.05%	79.64%	3.18	3.45	1.88	3.66	1.3	6.3

Sediment Texture Summary Arranged by Station (cont'd)

Station C4

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis	Organic C %	CaCO ₃ %
MMS 1987-B0	C4-1	0.00%	0.11%	17.71%	82.18%	3.16	3.49	1.82	3.43		
MMS 1987-B0	C4-2	0.00%	0.09%	15.42%	84.45%	3.01	3.55	1.85	3.52		
MMS 1987-B0	C4-3	0.00%	0.11%	16.59%	83.24%	3.10	3.52	1.82	3.41		
MMS 1987-B0	C4-7	0.00%	0.13%	15.81%	84.00%	3.24	3.55	1.79	3.29		
MMS 1987-B0	C4-8	0.00%	0.19%	16.53%	83.24%	3.42	3.54	1.76	3.18		
MMS 1987-B0	C4-9	0.00%	0.11%	15.08%	84.73%	3.06	3.56	1.83	3.42		
MMS 1987-B0	C4/cgs	0.00%	0.11%	17.62%	82.20%	3.18	3.50	1.81	3.38	0.1	2.1
MMS 1987-B1	C4-1	0.00%	0.30%	88.28%	11.42%	7.62	1.17	-0.25	4.27		
MMS 1987-B1	C4-2	1.05%	0.44%	88.18%	10.32%	7.66	1.47	-2.79	18.17		
MMS 1987-B1	C4-3	0.00%	0.19%	82.52%	17.27%	7.66	1.25	0.12	3.55		
MMS 1987-B1	C4-4	0.00%	0.24%	80.04%	19.72%	7.67	1.28	0.14	3.89		
MMS 1987-B1	C4-5	0.00%	0.30%	42.73%	56.96%	7.48	1.94	1.04	2.12		
MMS 1987-B1	C4-6	0.00%	0.23%	49.46%	50.29%	7.54	1.77	0.95	2.29		
MMS 1987-B1	C4/cgs	0.00%	0.45%	41.87%	57.67%	6.67	2.35	1.33	2.20	0.8	2.9
MMS 1988-B2	C4-1	0.00%	0.26%	36.60%	63.11%	7.79	1.74	0.71	2.04		
MMS 1988-B2	C4-2	0.00%	0.27%	27.99%	71.72%	5.05	3.05	1.52	2.41		
MMS 1988-B2	C4-3	0.11%	0.35%	27.85%	71.68%	6.48	2.61	1.31	2.12		
MMS 1988-B2	C4-4	0.00%	0.26%	29.69%	70.02%	5.75	2.84	1.46	2.26		
MMS 1988-B2	C4-5	0.00%	0.41%	35.12%	64.41%	5.72	2.73	1.47	2.34		
MMS 1988-B2	C4-6	1.10%	0.30%	29.14%	69.40%	6.07	2.86	1.04	2.36		
MMS 1988-B2	C4/cgs	0.00%	0.27%	38.20%	61.52%	7.36	2.00	1.11	2.03	1.4	3
MMS 1988-B3	C4-1	0.00%	0.35%	12.73%	86.92%	2.73	3.52	1.95	3.92		
MMS 1988-B3	C4-2	0.00%	0.27%	14.24%	85.43%	2.74	3.49	1.96	3.94		
MMS 1988-B3	C4-3	0.00%	0.25%	12.76%	86.89%	2.68	3.51	1.96	3.95		
MMS 1988-B3	C4-4	0.00%	0.22%	11.86%	87.80%	2.61	3.54	1.99	4.05		
MMS 1988-B3	C4-5	0.00%	0.66%	14.36%	84.98%	2.69	3.47	1.98	4.03		
MMS 1988-B3	C4-6	0.00%	0.28%	14.79%	84.87%	2.94	3.51	1.89	3.69		
MMS 1988-B3	C4/cgs 1	0.00%	0.40%	13.16%	86.41%	2.71	3.51	1.97	3.98		
MMS 1988-B3	C4/cgs 2	0.00%	0.20%	13.62%	86.04%	2.69	3.51	1.97	3.98	1.9	12.3
MMS 1989-B4	C4-1	0.00%	0.14%	14.68%	85.17%	2.70	3.47	1.95	3.90		
MMS 1989-B4	C4-2	0.00%	0.21%	13.50%	86.29%	2.71	3.50	1.94	3.86		
MMS 1989-B4	C4-3	0.00%	0.10%	14.67%	85.23%	2.57	3.45	1.99	4.09		
MMS 1989-B4	C4-4	0.00%	0.11%	13.42%	86.46%	2.36	3.38	2.08	4.44		
MMS 1989-B4	C4-5	0.17%	0.12%	15.39%	84.32%	2.80	3.49	1.90	3.75		
MMS 1989-B4	C4-6	0.00%	0.23%	15.62%	84.16%	2.84	3.49	1.90	3.73		
MMS 1989-B4	C4/cgs	0.00%	0.13%	16.97%	82.90%	2.79	3.43	1.93	3.84	1.5	5.2

Sediment Texture Summary Arranged by Station (cont'd)

Station D1

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis	Organic C %	CaCO3 %
MMS 1987-B0	D1-1	0.02%	93.45%	0.46%	6.06%	1.93	0.64	2.26	21.21		
MMS 1987-B0	D1-2	0.31%	91.28%	0.99%	7.40%	1.96	1.13	4.43	30.53		
MMS 1987-B1	D1-1	0.59%	97.76%	0.12%	0.93%	1.80	0.67	1.41	29.17		
MMS 1987-B1	D1-2	0.15%	97.98%	0.27%	1.11%	1.82	0.63	3.45	43.49		
MMS 1987-B1	D1-3	0.39%	97.85%	0.19%	1.19%	1.82	0.72	2.79	35.94		
MMS 1987-B1	D1-4	0.14%	98.44%	0.16%	1.09%	1.80	0.66	3.22	40.78		
MMS 1987-B1	D1-5	0.13%	98.31%	0.12%	1.07%	1.76	0.63	3.16	41.69		
MMS 1987-B1	D1-6	0.07%	97.88%	0.61%	1.42%	1.97	0.81	4.68	45.32		
MMS 1987-B1	D1/cgs	0.11%	98.34%	0.22%	1.25%	1.94	0.65	2.62	33.20	0.3	0.7
MMS 1988-B2	D1-1	1.60%	96.54%	0.15%	1.67%	1.73	0.78	0.37	20.92		
MMS 1988-B2	D1-2	1.29%	96.54%	0.12%	2.01%	1.60	0.72	0.80	26.95		
MMS 1988-B2	D1-3	1.12%	97.14%	0.13%	1.59%	1.64	0.74	0.12	16.70		
MMS 1988-B2	D1-4	1.09%	97.23%	0.11%	1.54%	1.67	0.77	0.86	23.62		
MMS 1988-B2	D1-5	0.42%	97.79%	0.17%	1.54%	1.61	0.56	1.16	27.60		
MMS 1988-B2	D1-6	0.27%	97.87%	0.06%	1.76%	1.76	0.65	0.80	17.29		
MMS 1988-B2	D1-8	0.14%	98.58%	0.14%	1.12%	1.65	0.52	3.49	59.39		
MMS 1988-B3	D1-1	0.04%	90.66%	0.26%	8.97%	1.66	0.90	6.16	58.64		
MMS 1988-B3	D1-2	0.10%	91.57%	0.22%	8.02%	1.63	0.87	5.87	58.40		
MMS 1988-B3	D1-3	0.29%	90.07%	0.28%	9.26%	1.62	0.88	5.01	49.58		
MMS 1988-B3	D1-4	0.06%	92.97%	0.25%	6.63%	1.66	0.82	5.67	59.29		
MMS 1988-B3	D1-5	0.26%	91.72%	0.21%	7.79%	1.63	0.86	4.80	50.26		
MMS 1988-B3	D1-6	0.60%	91.25%	0.28%	7.78%	1.66	0.85	4.47	47.35		
MMS 1988-B3	D1/cgs 1	0.31%	92.42%	0.28%	6.92%	1.71	0.89	5.27	51.73		
MMS 1988-B3	D1/cgs 2	0.71%	91.53%	0.20%	7.44%	1.69	0.87	4.79	50.63	<0.1	0.1
MMS 1989-B4	D1-1	0.15%	91.25%	0.76%	7.83%	1.94	0.74	3.83	40.40		
MMS 1989-B4	D1-2	0.00%	92.13%	0.56%	7.20%	1.91	0.73	4.10	40.08		
MMS 1989-B4	D1-3	0.04%	91.42%	0.29%	8.18%	1.94	0.75	4.68	46.95		
MMS 1989-B4	D1-4	0.10%	92.85%	0.55%	6.48%	1.98	0.80	4.59	45.90		
MMS 1989-B4	D1-5	0.00%	92.97%	0.48%	6.47%	1.94	0.68	3.52	34.01		
MMS 1989-B4	D1-6	0.00%	91.02%	0.67%	8.18%	1.84	0.71	3.59	34.28		
MMS 1989-B4	D1/cgs	0.03%	93.29%	0.39%	6.18%	1.94	0.68	3.83	42.65	<0.1	0.2

Sediment Texture Summary Arranged by Station (cont'd)

Station D2

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis	Organic C %	CaCO ₃ %
MMS 1987-B0	D2-2	43.19%	47.43%	0.97%	8.33%	-0.42	1.28	2.09	12.66		
MMS 1987-B1	D2-1	0.49%	97.39%	0.38%	1.11%	1.51	0.69	3.92	56.89		
MMS 1987-B1	D2-2	0.31%	97.56%	0.36%	1.11%	1.53	0.56	4.45	73.04		
MMS 1987-B1	D2-3	0.43%	95.20%	0.22%	1.16%	1.44	0.53	1.23	35.90		
MMS 1987-B1	D2-4	0.15%	96.99%	0.20%	1.16%	1.51	0.52	5.41	93.02		
MMS 1987-B1	D2-5	0.18%	97.35%	0.15%	1.25%	1.51	0.59	6.37	100.76		
MMS 1987-B1	D2-6	0.13%	97.69%	0.17%	1.33%	1.52	0.56	5.73	92.01		
MMS 1987-B1	D2/cgs	0.34%	97.95%	0.28%	1.29%	1.64	0.66	3.84	52.00	0.3	2.5
MMS 1988-B2	D2-1	3.02%	95.35%	0.20%	1.37%	1.44	0.77	0.90	34.28		
MMS 1988-B2	D2-2	0.59%	97.69%	0.20%	1.47%	1.47	0.50	0.49	42.15		
MMS 1988-B2	D2-3	0.23%	97.87%	0.23%	1.62%	1.52	0.49	3.01	56.96		
MMS 1988-B2	D2-4	0.25%	97.88%	0.28%	1.59%	1.66	0.54	1.51	39.68		
MMS 1988-B2	D2-5	0.48%	97.71%	0.24%	1.52%	1.51	0.51	2.50	58.40		
MMS 1988-B2	D2-6	0.48%	97.85%	0.08%	1.54%	1.47	0.60	1.32	43.87		
MMS 1988-B2	D2/cgs	0.33%	97.98%	0.17%	1.47%	1.50	0.57	5.76	99.04	0.4	2.1
MMS 1988-B3	D2-1	2.75%	83.39%	0.56%	13.30%	0.96	0.86	0.38	10.89		
MMS 1988-B3	D2-2	2.81%	82.97%	0.75%	13.41%	0.87	0.99	1.68	18.16		
MMS 1988-B3	D2-3	3.63%	83.48%	0.76%	12.01%	0.94	1.10	2.41	23.03		
MMS 1988-B3	D2-4	6.31%	77.20%	1.28%	15.10%	0.80	1.29	2.59	20.28		
MMS 1988-B3	D2-5	5.22%	78.49%	1.17%	15.05%	0.81	1.11	1.85	17.48		
MMS 1988-B3	D2-6	1.88%	84.32%	0.58%	13.19%	0.99	0.82	0.25	10.15		
MMS 1988-B3	D2/cgs 1	8.04%	79.40%	1.17%	11.29%	0.79	1.34	2.34	18.18		
MMS 1988-B3	D2/cgs 2	7.95%	82.64%	0.74%	8.60%	0.83	1.24	1.92	18.24	0.2	45.2
MMS 1989-B4	D2-1	1.88%	88.76%	1.40%	7.88%	1.44	1.34	4.36	30.57		
MMS 1989-B4	D2-2	0.73%	89.00%	0.42%	9.76%	1.34	0.85	4.36	46.22		
MMS 1989-B4	D2-3	0.03%	89.85%	0.69%	9.29%	1.49	1.08	6.24	50.32		
MMS 1989-B4	D2-4	0.61%	92.69%	0.39%	6.27%	1.42	0.94	5.89	57.08		
MMS 1989-B4	D2-5	0.51%	89.65%	0.48%	9.32%	1.39	0.66	3.58	47.59		
MMS 1989-B4	D2-6	0.87%	88.91%	0.62%	9.51%	1.45	1.15	5.05	37.95		
MMS 1989-B4	D2/cgs	0.99%	90.96%	0.27%	7.73%	1.38	0.79	3.94	47.87	<0.1	2.4

Sediment Texture Summary Arranged by Station (cont'd)

Station D3

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis	Organic C %	CaCO3 %
MMS 1987-B0	D3-1	0.01%	25.63%	37.28%	35.15%	3.43	2.22	2.28	6.17		
MMS 1987-B0	D3-2	2.35%	41.60%	30.43%	24.92%	3.18	2.32	1.56	5.50		
MMS 1987-B0	D3-3	0.24%	29.66%	42.11%	27.29%	3.74	2.25	1.86	5.46		
MMS 1987-B0	D3-7	0.13%	28.04%	44.72%	25.83%	3.96	2.17	1.96	5.50		
MMS 1987-B0	D3-8	0.62%	37.73%	36.23%	24.16%	3.56	2.22	1.83	5.78		
MMS 1987-B0	D3-9	0.48%	39.93%	36.55%	20.92%	3.51	2.04	1.97	6.65		
MMS 1987-B0	D3/cgs	0.98%	40.89%	33.26%	23.91%	3.46	2.30	1.69	5.24	0.9	60.9
MMS 1987-B1	D3-1	20.60%	67.11%	5.58%	6.54%	0.42	2.42	2.60	9.90		
MMS 1987-B1	D3-2	15.92%	63.47%	10.75%	9.81%	1.12	2.88	1.84	5.72		
MMS 1987-B1	D3-3	18.52%	64.61%	8.15%	8.64%	8.57	7.95	-1.09	1.23		
MMS 1987-B1	D3-4	31.33%	56.99%	5.36%	6.26%	0.16	2.44	2.70	10.32		
MMS 1987-B1	D3-5	15.94%	70.71%	6.08%	7.18%	0.69	2.37	2.40	9.24		
MMS 1987-B1	D3-6	11.86%	74.80%	6.18%	7.07%	0.71	2.31	2.48	9.69		
MMS 1987-B1	D3/cgs	15.51%	74.21%	6.02%	4.15%	0.51	2.19	2.61	10.41	0.2	58.0
MMS 1988-B2	D3-1	31.94%	59.07%	3.82%	5.11%	0.12	2.29	2.81	11.67		
MMS 1988-B2	D3-2	11.76%	72.44%	7.70%	8.98%	1.03	2.67	2.14	7.32		
MMS 1988-B2	D3-3	15.66%	65.93%	9.92%	8.46%	1.07	2.72	1.88	6.11		
MMS 1988-B2	D3-4	18.88%	69.14%	6.79%	5.04%	0.68	2.43	2.22	8.13		
MMS 1988-B2	D3-5	12.58%	73.37%	6.88%	7.11%	0.98	2.55	2.18	7.76		
MMS 1988-B2	D3-6	0.18%	76.97%	15.14%	7.65%	2.42	2.29	2.29	6.63		
MMS 1988-B2	D3/cgs	12.69%	73.30%	8.21%	5.70%	1.01	2.72	2.02	6.54	0.9	53.3
MMS 1988-B3	D3-1	14.15%	51.56%	5.60%	28.06%	0.40	1.90	2.64	11.49		
MMS 1988-B3	D3-2	11.45%	28.79%	8.54%	51.12%	0.67	2.25	2.47	8.68		
MMS 1988-B3	D3-3	22.09%	55.97%	1.53%	20.27%	-0.02	1.45	3.01	18.81		
MMS 1988-B3	D3-4	21.16%	58.71%	4.49%	15.40%	0.29	2.09	2.73	11.79		
MMS 1988-B3	D3-5	21.70%	55.91%	3.24%	19.07%	0.15	1.98	3.18	15.09		
MMS 1988-B3	D3-6	21.08%	50.81%	7.30%	20.58%	1.68	3.24	1.06	3.35		
MMS 1988-B3	D3/cgs 1	21.89%	58.40%	5.44%	13.57%	0.81	3.01	2.18	6.95		
MMS 1988-B3	D3/cgs 2	20.17%	60.46%	6.59%	12.52%	1.17	3.38	1.83	5.16	1.1	78.1
MMS 1989-B4	D3-1	19.08%	55.91%	7.04%	17.36%	0.84	2.66	2.11	7.30		
MMS 1989-B4	D3-2	8.25%	61.49%	10.39%	18.63%	1.41	2.48	1.86	6.58		
MMS 1989-B4	D3-3	8.34%	61.66%	8.14%	21.46%	1.29	2.41	2.14	7.98		
MMS 1989-B4	D3-4	13.44%	54.63%	7.75%	23.44%	1.15	2.55	2.09	7.49		
MMS 1989-B4	D3-5	8.86%	57.28%	11.00%	19.41%	1.45	2.54	1.74	5.96		
MMS 1989-B4	D3-6	17.07%	47.46%	12.33%	21.66%	1.29	2.83	1.70	5.36		
MMS 1989-B4	D3/cgs	18.18%	57.94%	6.62%	17.02%	0.59	2.54	2.47	8.92	2.6	80.0

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Sediment Texture Summary Arranged by Station (cont'd)

Station D4

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis	Organic C %	CaCO ₃ %
MMS 1987-B0	D4-1	0.09%	4.73%	39.39%	55.69%	3.94	2.90	1.76	3.55		
MMS 1987-B0	D4-2	0.00%	4.42%	35.63%	59.71%	3.71	2.92	1.84	3.75		
MMS 1987-B0	D4-3	0.16%	4.70%	34.65%	60.18%	4.12	2.95	1.66	3.15		
MMS 1987-B0	D4-7	0.00%	4.35%	40.35%	55.10%	4.36	2.85	1.70	3.19		
MMS 1987-B0	D4-8	0.03%	3.94%	32.91%	62.86%	3.53	2.94	1.87	3.78		
MMS 1987-B0	D4-9	0.00%	4.05%	38.25%	57.38%	4.27	2.87	1.73	3.25		
MMS 1987-B0	D4/cgs	0.00%	5.23%	36.32%	58.45%	4.10	2.91	1.71	3.28	1.7	43.3
MMS 1987-B1	D4-1	0.15%	5.93%	82.27%	11.44%	6.39	1.88	0.00	3.18		
MMS 1987-B1	D4-2	0.09%	5.93%	80.09%	13.65%	6.39	1.93	0.16	2.79		
MMS 1987-B1	D4-3	0.06%	6.00%	81.55%	12.17%	6.45	1.87	0.02	2.92		
MMS 1987-B1	D4-4	0.02%	6.73%	73.99%	18.98%	6.34	2.09	0.35	2.46		
MMS 1987-B1	D4-5	0.05%	11.35%	74.08%	12.65%	6.10	2.08	0.27	2.39		
MMS 1987-B1	D4-6	0.04%	6.45%	79.28%	13.84%	6.42	1.94	0.13	2.68		
MMS 1987-B1	D4/cgs	0.00%	11.15%	53.07%	35.19%	5.36	2.58	1.20	2.71	2.0	53.5
MMS 1988-B2	D4-1	0.01%	4.73%	71.01%	24.15%	6.61	2.05	0.33	2.45		
MMS 1988-B2	D4-2	0.05%	4.49%	66.95%	28.47%	6.63	2.10	0.41	2.43		
MMS 1988-B2	D4-3	0.00%	6.38%	76.45%	17.11%	6.49	2.03	0.06	2.71		
MMS 1988-B2	D4-4	0.00%	6.11%	78.37%	15.41%	6.33	1.93	0.32	2.49		
MMS 1988-B2	D4-5	0.03%	5.39%	72.08%	22.45%	6.50	2.10	0.31	2.47		
MMS 1988-B2	D4-6	1.40%	4.41%	83.28%	10.83%	6.53	1.96	-1.06	5.71		
MMS 1988-B2	D4/cgs	0.03%	5.43%	84.05%	10.32%	6.69	1.81	-0.33	3.18	3.1	25.9
MMS 1988-B3	D4-1	0.00%	6.47%	31.52%	58.96%	3.93	3.03	1.74	3.30		
MMS 1988-B3	D4-2	0.00%	10.27%	24.72%	58.02%	3.47	3.11	1.85	3.64		
MMS 1988-B3	D4-3	0.00%	8.62%	24.00%	61.02%	3.48	3.15	1.84	3.60		
MMS 1988-B3	D4-4	0.00%	5.03%	29.24%	64.74%	3.85	3.00	1.80	3.50		
MMS 1988-B3	D4-5	0.00%	5.85%	31.57%	61.12%	3.89	3.03	1.78	3.39		
MMS 1988-B3	D4-6	0.00%	8.38%	30.73%	57.69%	4.01	3.01	1.75	3.31		
MMS 1988-B3	D4/cgs 1	0.00%	8.73%	29.69%	55.47%	3.91	3.04	1.77	3.36		
MMS 1988-B3	D4/cgs 2	0.00%	8.03%	29.31%	57.05%	3.93	3.06	1.75	3.29	1.8	72.0
MMS 1989-B4	D4-1	0.00%	4.94%	32.57%	60.29%	3.70	3.02	1.86	3.71		
MMS 1989-B4	D4-2	0.02%	5.35%	33.29%	58.53%	3.72	2.98	1.85	3.68		
MMS 1989-B4	D4-3	0.00%	3.65%	30.27%	65.30%	3.45	3.08	1.90	3.86		
MMS 1989-B4	D4-4	0.06%	2.76%	28.15%	68.68%	3.13	3.05	1.95	4.06		
MMS 1989-B4	D4-5	0.00%	3.07%	26.35%	70.08%	3.29	3.17	1.91	3.84		
MMS 1989-B4	D4-6	0.00%	3.44%	43.61%	52.15%	3.41	2.80	1.78	3.36		
MMS 1989-B4	D4/cgs	0.00%	6.37%	28.97%	60.90%	3.59	3.07	1.85	3.64	2.9	84.8

Sediment Texture Summary Arranged by Station (cont'd)

Station M1

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis	Organic C %	CaCO3 %
MMS 1987-B0	M1-1	0.13%	82.10%	0.45%	17.30%	2.14	1.08	4.68	34.15		
MMS 1987-B0	M1-2	0.15%	86.96%	0.90%	11.99%	2.31	0.90	4.29	37.10		
MMS 1987-B0	M1-3	0.02%	92.04%	0.33%	7.58%	2.35	0.69	3.65	38.13		
MMS 1987-B0	M1-4	0.38%	90.54%	0.44%	8.59%	2.29	0.82	2.68	29.37		
MMS 1987-B0	M1-7	0.39%	89.03%	0.72%	9.75%	2.32	0.86	2.91	29.33		
MMS 1987-B0	M1-8	1.34%	86.97%	0.61%	11.02%	2.53	1.84	3.23	15.14		
MMS 1987-B0	M1/cgs	1.30%	89.81%	0.81%	8.07%	2.25	0.93	1.69	24.14	0.1	2.4
MMS 1987-B1	M1-1	0.16%	97.62%	0.27%	1.49%	2.09	0.63	1.83	26.09		
MMS 1987-B1	M1-2	0.21%	96.83%	0.40%	1.93%	2.19	0.77	3.55	40.96		
MMS 1987-B1	M1-3	0.23%	97.19%	0.33%	2.02%	2.15	0.74	3.27	40.49		
MMS 1987-B1	M1-4	1.87%	93.48%	0.92%	2.80%	2.18	1.08	1.44	19.21		
MMS 1987-B1	M1-5	17.14%	77.37%	0.76%	2.68%	1.44	1.80	0.30	5.86		
MMS 1987-B1	M1-6	0.29%	95.11%	0.50%	2.53%	2.24	0.84	4.38	45.66		
MMS 1988-B2	M1-1	7.35%	90.14%	0.23%	2.26%	1.48	1.23	-0.21	8.46		
MMS 1988-B2	M1-2	12.31%	81.17%	1.06%	5.37%	1.40	1.70	1.13	9.30		
MMS 1988-B2	M1-3	10.80%	87.55%	0.08%	1.56%	0.99	1.17	-0.30	7.35		
MMS 1988-B2	M1-4	9.78%	87.81%	0.20%	2.16%	1.35	1.24	-0.01	10.39		
MMS 1988-B2	M1-5	4.11%	93.41%	0.28%	2.16%	1.60	1.01	-0.61	9.09		
MMS 1988-B2	M1-6	6.74%	91.58%	0.10%	1.54%	1.42	1.07	-0.10	14.18		
MMS 1988-B2	M1/cgs	5.17%	92.36%	0.38%	2.03%	0.01	1.91	1.94	7.06	0.3	2.9
MMS 1988-B3	M1-1	0.47%	86.56%	1.32%	11.64%	1.91	0.84	2.69	23.33		
MMS 1988-B3	M1-2	0.17%	84.91%	1.35%	13.44%	1.95	1.19	4.79	31.77		
MMS 1988-B3	M1-3	0.21%	77.58%	2.38%	19.65%	1.99	1.50	4.28	22.36		
MMS 1988-B3	M1-4	0.01%	81.02%	2.34%	16.39%	2.06	1.38	3.94	22.18		
MMS 1988-B3	M1-5	0.05%	76.08%	2.27%	21.57%	2.05	1.33	4.56	26.25		
MMS 1988-B3	M1-6	0.16%	79.32%	2.03%	18.21%	2.14	1.21	4.71	30.44		
MMS 1988-B3	M1/cgs 1	0.00%	86.71%	1.10%	11.73%	2.12	1.07	5.06	36.54		
MMS 1988-B3	M1/cgs 2	0.01%	84.43%	1.56%	13.74%	2.10	1.17	4.70	30.30	0.1	0.1
MMS 1989-B4	M1-1	0.69%	68.58%	5.26%	24.53%	2.31	1.67	3.18	14.30		
MMS 1989-B4	M1-2	0.38%	74.81%	3.96%	19.88%	2.32	1.45	3.30	16.81		
MMS 1989-B4	M1-3	0.87%	71.25%	4.33%	22.05%	2.28	1.58	3.05	14.47		
MMS 1989-B4	M1-4	8.01%	56.31%	7.16%	26.43%	2.08	2.21	1.74	7.33		
MMS 1989-B4	M1-5	0.20%	60.29%	5.79%	31.43%	2.22	1.84	3.18	12.53		
MMS 1989-B4	M1-6	0.43%	53.52%	6.44%	37.76%	2.16	1.90	3.08	11.64		
MMS 1989-B4	M1/cgs	0.46%	65.27%	5.67%	27.64%	2.26	1.60	3.20	14.19	0.5	6.1

Sediment Texture Summary Arranged by Station (cont'd)

Station M2

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis	Organic C %	CaCO3 %
MMS 1987-B0	M2-1	0.35%	89.33%	1.17%	9.15%	1.77	1.59	4.76	26.08		
MMS 1987-B0	M2-2	0.95%	88.03%	1.17%	9.83%	1.48	0.85	4.55	44.82		
MMS 1987-B0	M2-3	0.29%	87.58%	1.04%	11.06%	1.66	0.96	5.78	47.39		
MMS 1987-B0	M2-7	0.03%	88.58%	1.29%	10.10%	1.57	0.81	6.60	62.28		
MMS 1987-B0	M2-8	0.33%	88.58%	1.20%	9.88%	1.54	0.81	5.86	53.99		
MMS 1987-B0	M2-9	0.09%	88.87%	1.15%	9.83%	1.56	0.84	6.14	56.01		
MMS 1987-B0	M2/cgs	0.53%	88.15%	1.10%	10.20%	1.55	0.86	5.68	52.31	0.2	3.6
MMS 1987-B1	M2-1	3.16%	90.52%	1.13%	3.34%	1.82	1.32	2.73	21.88		
MMS 1987-B1	M2-2	6.00%	88.44%	1.19%	4.11%	1.68	1.64	2.38	15.54		
MMS 1987-B1	M2-3	6.78%	86.87%	1.41%	4.74%	1.65	1.66	2.32	14.98		
MMS 1987-B1	M2-4	6.10%	88.47%	1.08%	3.97%	1.58	1.53	1.99	15.09		
MMS 1987-B1	M2-5	8.05%	86.20%	1.28%	4.17%	1.57	1.72	2.01	13.17		
MMS 1987-B1	M2-6	3.20%	90.80%	0.89%	3.47%	1.73	1.29	3.21	24.33		
MMS 1987-B1	M2/cgs	3.38%	91.92%	1.30%	3.34%	1.77	1.40	2.70	19.14	0.2	6.6
MMS 1988-B2	M2-1	4.36%	91.01%	0.83%	3.77%	1.61	1.28	2.38	20.77		
MMS 1988-B2	M2-2	10.49%	84.61%	0.83%	3.99%	1.48	1.62	1.84	14.08		
MMS 1988-B2	M2-3	3.97%	90.91%	1.01%	4.05%	1.76	1.53	3.09	19.89		
MMS 1988-B2	M2-4	10.60%	82.13%	1.60%	5.62%	1.53	1.72	2.00	12.99		
MMS 1988-B2	M2/cgs	3.40%	91.36%	0.71%	4.51%	1.70	1.42	3.26	22.61	0.3	5.2
MMS 1988-B2	M2-1 Core	0.87%	94.54%	0.86%	3.69%	1.65	1.08	5.03	41.20		
MMS 1988-B2	M2-2 Core	0.62%	93.62%	1.05%	4.67%	1.76	1.42	4.76	28.69		
MMS 1988-B2	M2-2 Core	1.34%	94.26%	0.79%	3.56%	1.66	1.19	5.01	37.50		
MMS 1988-B2	M2-4 Core	0.76%	93.47%	1.38%	4.36%	1.79	1.45	4.33	24.66		
MMS 1988-B2	M2-5 Core	0.38%	94.77%	0.99%	3.81%	1.74	1.28	5.14	33.85		
MMS 1988-B2	M2-6 Core	1.21%	90.56%	2.20%	6.00%	1.86	1.61	3.73	19.18		
MMS 1988-B3	M2-1	0.38%	89.69%	0.47%	9.43%	1.53	0.79	6.21	65.96		
MMS 1988-B3	M2-2	0.14%	86.14%	0.50%	12.71%	1.52	0.91	6.66	58.99		
MMS 1988-B3	M2-3	0.27%	88.38%	0.42%	10.91%	1.52	0.79	6.15	59.31		
MMS 1988-B3	M2-4	0.25%	86.30%	0.46%	12.90%	1.54	0.98	6.45	53.30		
MMS 1988-B3	M2-5	0.20%	86.57%	0.57%	12.62%	1.53	0.99	6.50	54.28		
MMS 1988-B3	M2-6	0.88%	87.54%	0.44%	11.08%	1.52	0.92	5.60	52.20		
MMS 1988-B3	M2/cgs 1	0.35%	88.34%	0.50%	10.75%	1.54	0.88	6.59	62.05		
MMS 1988-B3	M2/cgs 2	0.32%	89.68%	0.63%	9.25%	1.58	0.93	6.54	57.29	<0.1	7.1
MMS 1989-B4	M2-1	0.23%	84.95%	1.63%	13.18%	1.49	0.81	5.09	44.71		
MMS 1989-B4	M2-2	0.07%	85.89%	1.21%	12.77%	1.46	0.73	5.77	56.28		
MMS 1989-B4	M2-3	0.26%	81.14%	1.58%	16.93%	1.40	0.79	4.93	46.31		
MMS 1989-B4	M2-4	0.20%	85.41%	0.88%	13.40%	1.47	0.92	6.49	60.74		
MMS 1989-B4	M2-5	1.11%	86.24%	1.30%	11.26%	1.50	0.96	4.73	44.44		
MMS 1989-B4	M2-6	0.30%	85.97%	0.73%	12.94%	1.45	0.69	4.01	39.05		
MMS 1989-B4	M2/cgs	0.75%	87.44%	1.09%	10.56%	1.49	0.89	5.28	50.35	<0.1	6.2

Sediment Texture Summary Arranged by Station (cont'd)

Station M3

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis	Organic C %	CaCO ₃ %
MMS 1987-B0	M3-1	0.30%	65.05%	7.63%	27.03%	2.40	2.03	2.98	10.75		
MMS 1987-B0	M3-2	0.27%	75.85%	5.91%	17.86%	2.34	1.64	3.38	15.44		
MMS 1987-B0	M3-3	0.34%	56.38%	8.94%	34.33%	2.45	2.28	2.74	8.84		
MMS 1987-B0	M3-7	0.20%	64.57%	8.78%	26.38%	2.38	1.89	3.07	11.73		
MMS 1987-B0	M3-8	0.52%	74.53%	5.62%	19.25%	2.17	1.55	3.38	16.38		
MMS 1987-B0	M3-9	0.45%	55.85%	7.93%	35.65%	2.31	2.24	2.84	9.46		
MMS 1987-B0	M3/cgs	0.19%	68.33%	6.87%	24.51%	2.32	1.90	3.19	12.43	0.1	14.7
MMS 1987-B1	M3-1	0.56%	64.89%	17.73%	16.54%	3.79	2.83	1.28	3.36		
MMS 1987-B1	M3-2	0.63%	67.91%	15.02%	16.10%	3.97	3.10	1.06	2.60		
MMS 1987-B1	M3-3	1.74%	73.97%	8.24%	15.75%	3.09	2.64	1.82	5.32		
MMS 1987-B1	M3-4	0.35%	56.61%	23.80%	18.92%	4.69	3.22	0.59	1.70		
MMS 1987-B1	M3-5	0.74%	66.87%	15.26%	17.04%	3.74	3.08	1.19	2.89		
MMS 1987-B1	M3-6	1.43%	51.07%	22.34%	24.76%	4.90	3.42	0.48	1.77		
MMS 1987-B1	M3/cgs	0.34%	70.11%	10.39%	18.88%	3.63	3.00	1.52	3.74	0.6	16.0
MMS 1988-B2	M3-1	0.64%	59.28%	20.10%	19.79%	4.48	3.08	0.76	2.02		
MMS 1988-B2	M3-2	0.77%	76.17%	15.79%	6.90%	3.37	2.46	1.48	4.21		
MMS 1988-B2	M3-3	0.49%	65.65%	16.79%	16.82%	4.12	2.98	0.99	2.43		
MMS 1988-B2	M3-4	0.48%	58.05%	15.49%	25.89%	4.60	3.29	0.74	1.90		
MMS 1988-B2	M3-5	0.41%	62.00%	17.78%	19.62%	4.35	3.07	0.87	2.15		
MMS 1988-B2	M3-6	0.48%	62.31%	23.80%	13.24%	4.25	2.99	0.84	2.15		
MMS 1988-B2	M3/cgs	1.28%	65.08%	16.70%	16.69%	4.08	3.06	0.87	2.29	0.5	22.5
MMS 1988-B3	M3-1	0.27%	55.80%	7.80%	33.47%	2.57	2.30	2.72	8.67		
MMS 1988-B3	M3-2	0.51%	50.75%	8.95%	37.29%	2.63	2.45	2.54	7.59		
MMS 1988-B3	M3-3	0.84%	48.98%	9.49%	37.82%	2.73	2.56	2.38	6.77		
MMS 1988-B3	M3-4	0.28%	40.27%	12.25%	44.51%	2.91	2.77	2.21	5.63		
MMS 1988-B3	M3-5	3.63%	50.39%	8.58%	33.22%	2.53	2.50	2.20	7.10		
MMS 1988-B3	M3-6	0.34%	55.40%	7.28%	33.09%	2.55	2.31	2.68	8.55		
MMS 1988-B3	M3/cgs 1	0.43%	56.36%	6.79%	31.94%	2.43	2.19	2.80	9.47		
MMS 1988-B3	M3/cgs 2	0.90%	45.35%	7.69%	43.44%	2.43	2.52	2.58	7.76	0.6	30.7
MMS 1989-B4	M3-1	0.46%	53.63%	6.63%	38.98%	1.85	1.87	3.24	12.65		
MMS 1989-B4	M3-2	1.46%	51.65%	6.24%	40.53%	1.82	2.02	3.19	12.87		
MMS 1989-B4	M3-3	0.18%	41.33%	8.88%	49.16%	1.90	2.09	2.99	10.49		
MMS 1989-B4	M3-4	1.06%	44.19%	7.50%	46.52%	2.06	2.38	2.69	8.59		
MMS 1989-B4	M3-5	3.29%	54.32%	7.69%	34.07%	1.98	2.04	2.45	9.63		
MMS 1989-B4	M3-6	0.48%	56.30%	6.40%	36.51%	1.91	1.83	3.36	13.95		
MMS 1989-B4	M3/cgs	1.19%	69.20%	4.29%	25.11%	2.01	1.67	3.30	15.60	0.2	9.9

Sediment Texture Summary Arranged by Station (cont'd)
Station M4

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis	Organic C %	CaCO ₃ %
MMS 1987-B0	M4-1	0.00%	2.05%	18.88%	78.99%	3.29	3.41	1.84	3.52		
MMS 1987-B0	M4-2	0.00%	1.82%	17.10%	81.08%	3.45	3.47	1.78	3.28		
MMS 1987-B0	M4-3	0.07%	1.89%	16.03%	82.00%	3.37	3.50	1.78	3.30		
MMS 1987-B0	M4-7	0.00%	2.72%	17.19%	80.02%	3.51	3.46	1.78	3.26		
MMS 1987-B0	M4-8	0.00%	2.48%	17.76%	79.68%	3.52	3.44	1.77	3.25		
MMS 1987-B0	M4-9	0.01%	1.62%	17.66%	80.63%	3.46	3.46	1.78	3.28		
MMS 1987-B0	M4/cgs	0.00%	2.02%	19.25%	78.73%	3.67	3.42	1.73	3.12	0.8	17.6
MMS 1987-B1	M4-1	0.02%	6.69%	78.84%	14.33%	6.91	1.92	-0.37	2.98		
MMS 1987-B1	M4-2	0.05%	2.69%	46.42%	50.74%	7.58	1.94	0.20	2.98		
MMS 1987-B1	M4-3	0.10%	3.12%	37.08%	59.68%	5.65	2.83	1.35	2.33		
MMS 1987-B1	M4-4	0.05%	7.68%	77.31%	14.81%	7.23	1.90	-0.82	3.73		
MMS 1987-B1	M4-5	0.09%	6.83%	77.67%	15.37%	7.17	1.89	-0.61	3.41		
MMS 1987-B1	M4-6	0.05%	7.94%	79.71%	12.20%	7.12	1.91	-0.82	3.66		
MMS 1987-B1	M4/cgs	0.01%	4.90%	79.39%	15.43%	6.91	1.79	-0.21	3.22	1.7	11.0
MMS 1988-B2	M4-1 REP1	0.05%	2.61%	35.23%	62.06%	6.38	2.60	1.17	2.10		
MMS 1988-B2	M4-1 REP3	16.00%	4.16%	79.39%	16.87%	7.26	1.74	-0.73	4.51		
MMS 1988-B2	M4-2	0.17%	2.30%	29.62%	67.87%	7.59	2.14	0.39	2.67		
MMS 1988-B2	M4-3	0.00%	6.06%	35.28%	58.60%	7.10	2.58	0.52	2.04		
MMS 1988-B2	M4-4 REP2	0.00%	5.23%	49.12%	45.62%	7.10	2.27	-0.38	2.81		
MMS 1988-B2	M4-4 REP7	0.35%	6.93%	28.98%	63.67%	7.52	2.04	0.33	2.12		
MMS 1988-B2	M4-5 REP3	0.04%	14.43%	32.77%	52.67%	5.72	2.95	0.94	2.08		
MMS 1988-B2	M4-5 REP12	0.04%	2.35%	36.75%	60.82%	6.48	2.54	1.18	2.11		
MMS 1988-B2	M4-6	0.11%	3.81%	36.17%	59.88%	8.15	1.99	-0.76	4.08		
MMS 1988-B2	M4-9 REP4	0.00%	5.37%	48.66%	45.91%	7.11	2.13	0.31	2.31		
MMS 1988-B2	M4/cgs	0.03%	3.72%	44.90%	51.33%	7.53	1.89	-0.12	2.92	1.3	2.0
MMS 1988-B3	M4-1	0.02%	5.25%	16.01%	78.42%	3.28	3.42	1.82	3.46		
MMS 1988-B3	M4-2	0.05%	4.61%	17.18%	77.52%	3.28	3.41	1.82	3.47		
MMS 1988-B3	M4-3	0.13%	6.05%	14.98%	78.50%	3.16	3.43	1.86	3.61		
MMS 1988-B3	M4-4	0.00%	3.27%	14.48%	81.88%	2.93	3.47	1.91	3.75		
MMS 1988-B3	M4-5	0.00%	10.65%	10.63%	78.46%	2.89	3.44	1.98	4.02		
MMS 1988-B3	M4-6	0.00%	3.52%	12.37%	83.87%	2.88	3.51	1.92	3.79		
MMS 1988-B3	M4/cgs 1	0.00%	4.42%	13.89%	81.42%	3.14	3.49	1.86	3.56		
MMS 1988-B3	M4/cgs 2	0.05%	4.17%	13.80%	81.61%	3.06	3.50	1.87	3.61	1.5	9.1
MMS 1989-B4	M4-1	0.00%	3.83%	14.40%	81.54%	2.56	3.27	2.07	4.44		
MMS 1989-B4	M4-2	0.09%	4.19%	14.79%	80.84%	2.62	3.32	2.06	4.43		
MMS 1989-B4	M4-3	0.00%	8.90%	11.20%	79.58%	2.27	3.19	2.25	5.26		
MMS 1989-B4	M4-4	0.00%	4.72%	14.73%	80.36%	2.52	3.24	2.08	4.50		
MMS 1989-B4	M4-5	0.05%	4.55%	16.55%	78.44%	2.31	3.11	2.15	4.88		
MMS 1989-B4	M4-6	0.00%	4.92%	16.78%	78.06%	2.47	3.19	2.11	4.65		
MMS 1989-B4	M4/cgs	0.16%	2.99%	15.53%	81.18%	2.39	3.32	2.08	4.48	1.7	20.4

Sediment Texture Summary Arranged by Cruise

Sediment Texture Summary Arranged by Cruise

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis
MMS 1987-B-0	C1-1	0.02%	30.75%	28.60%	39.29%	3.15	2.19	2.59	7.63
MMS 1987-B-0	C1-2	0.05%	29.00%	29.82%	40.28%	3.21	2.20	2.58	7.73
MMS 1987-B-0	C1-3	0.00%	35.53%	28.71%	34.70%	3.15	2.03	2.70	8.56
MMS 1987-B-0	C1-7	0.07%	31.24%	27.20%	39.31%	3.00	2.19	2.58	7.72
MMS 1987-B-0	C1-8	0.36%	30.74%	26.82%	41.33%	2.82	2.08	2.55	8.19
MMS 1987-B-0	C1-9	0.26%	28.71%	26.88%	43.37%	2.89	2.21	2.54	7.70
MMS 1987-B-0	C1/cgs	0.16%	31.78%	31.41%	36.18%	3.18	2.06	2.61	8.17
MMS 1987-B-0	C2-1	0.69%	72.44%	3.27%	23.58%	2.03	1.64	3.67	17.72
MMS 1987-B-0	C2-2	14.63%	68.54%	1.40%	15.35%	0.80	1.63	2.12	13.56
MMS 1987-B-0	C2-3	0.84%	68.99%	3.15%	26.92%	1.75	1.73	3.75	17.34
MMS 1987-B-0	C2-7	2.24%	61.40%	2.85%	33.52%	1.61	2.06	3.30	13.39
MMS 1987-B-0	C2-8	0.51%	75.69%	1.29%	22.42%	1.64	1.28	4.49	28.86
MMS 1987-B-0	C2-9	1.39%	73.70%	2.84%	21.99%	1.76	1.79	3.49	16.13
MMS 1987-B-0	C2/cgs	5.86%	70.52%	3.02%	20.49%	1.56	1.74	2.44	13.10
MMS 1987-B-0	C3-1	0.00%	0.30%	19.65%	80.04%	3.26	3.43	1.82	3.42
MMS 1987-B-0	C3-2	0.00%	0.28%	17.29%	82.37%	2.94	3.44	1.89	3.70
MMS 1987-B-0	C3-3	0.00%	0.26%	17.75%	81.90%	3.13	3.47	1.84	3.48
MMS 1987-B-0	C3-7	0.00%	0.27%	17.41%	82.28%	2.95	3.45	1.90	3.74
MMS 1987-B-0	C3-8	0.00%	0.30%	16.41%	83.25%	2.77	3.43	1.94	3.89
MMS 1987-B-0	C3-9	0.00%	0.27%	15.83%	83.89%	2.64	3.42	1.96	3.95
MMS 1987-B-0	C3/cgs	0.00%	0.32%	18.26%	81.34%	3.03	3.42	1.85	3.53
MMS 1987-B-0	C4-1	0.00%	0.11%	17.71%	82.18%	3.16	3.49	1.82	3.43
MMS 1987-B-0	C4-2	0.00%	0.09%	15.42%	84.45%	3.01	3.55	1.85	3.52
MMS 1987-B-0	C4-3	0.00%	0.11%	16.59%	83.24%	3.10	3.52	1.82	3.41
MMS 1987-B-0	C4-7	0.00%	0.13%	15.81%	84.00%	3.24	3.55	1.79	3.29
MMS 1987-B-0	C4-8	0.00%	0.19%	16.53%	83.24%	3.42	3.54	1.76	3.18
MMS 1987-B-0	C4-9	0.00%	0.11%	15.08%	84.73%	3.06	3.56	1.83	3.42
MMS 1987-B-0	C4/cgs	0.00%	0.11%	17.62%	82.20%	3.18	3.50	1.81	3.38
MMS 1987-B-0	D1-1	0.02%	93.45%	0.46%	6.06%	1.93	0.64	2.26	21.21
MMS 1987-B-0	D1-2	0.31%	91.28%	0.99%	7.40%	1.96	1.13	4.43	30.53
MMS 1987-B-0	D2-2	43.19%	47.43%	0.97%	8.33%	-0.42	1.28	2.09	12.66
MMS 1987-B-0	D3-1	0.01%	25.63%	37.28%	35.15%	3.43	2.22	2.28	6.17
MMS 1987-B-0	D3-2	2.35%	41.60%	30.43%	24.92%	3.18	2.32	1.56	5.50
MMS 1987-B-0	D3-3	0.24%	29.66%	42.11%	27.29%	3.74	2.25	1.86	5.46
MMS 1987-B-0	D3-7	0.13%	28.04%	44.72%	25.83%	3.96	2.17	1.96	5.50
MMS 1987-B-0	D3-8	0.62%	37.73%	36.23%	24.16%	3.56	2.22	1.83	5.78
MMS 1987-B-0	D3-9	0.48%	39.93%	36.55%	20.92%	3.51	2.04	1.97	6.65
MMS 1987-B-0	D4-1	0.09%	4.73%	39.39%	55.69%	3.94	2.90	1.76	3.55
MMS 1987-B-0	D4-2	0.00%	4.42%	35.63%	59.71%	3.71	2.92	1.84	3.75
MMS 1987-B-0	D4-3	0.16%	4.70%	34.65%	60.18%	4.12	2.95	1.66	3.15
MMS 1987-B-0	D4-7	0.00%	4.35%	40.35%	55.10%	4.36	2.85	1.70	3.19

Sediment Texture Summary Arranged by Cruise (cont'd)

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis
MMS 1987-B-0	D4-8	0.03%	3.94%	32.91%	62.86%	3.53	2.94	1.87	3.78
MMS 1987-B-0	D4-9	0.00%	4.05%	38.25%	57.38%	4.27	2.87	1.73	3.25
MMS 1987-B-0	M1-1	0.13%	82.10%	0.45%	17.30%	2.14	1.08	4.68	34.15
MMS 1987-B-0	M1-2	0.15%	86.96%	0.90%	11.99%	2.31	0.90	4.29	37.10
MMS 1987-B-0	M1-3	0.02%	92.04%	0.33%	7.58%	2.35	0.69	3.65	38.13
MMS 1987-B-0	M1-4	0.38%	90.54%	0.44%	8.59%	2.29	0.82	2.68	29.37
MMS 1987-B-0	M1-7	0.39%	89.03%	0.72%	9.75%	2.32	0.86	2.91	29.33
MMS 1987-B-0	M1-8	1.34%	86.97%	0.61%	11.02%	2.53	1.84	3.23	15.14
MMS 1987-B-0	M1/cgs	1.30%	89.81%	0.81%	8.07%	2.25	0.93	1.69	24.14
MMS 1987-B-0	M2-1	0.35%	89.33%	1.17%	9.15%	1.77	1.59	4.76	26.08
MMS 1987-B-0	M2-2	0.95%	88.03%	1.17%	9.83%	1.48	0.85	4.55	44.82
MMS 1987-B-0	M2-3	0.29%	87.58%	1.04%	11.06%	1.66	0.96	5.78	47.39
MMS 1987-B-0	M2-7	0.03%	88.58%	1.29%	10.10%	1.57	0.81	6.60	62.28
MMS 1987-B-0	M2-8	0.33%	88.58%	1.20%	9.88%	1.54	0.81	5.86	53.99
MMS 1987-B-0	M2-9	0.09%	88.87%	1.15%	9.83%	1.56	0.84	6.14	56.01
MMS 1987-B-0	M2/cgs	0.53%	88.15%	1.10%	10.20%	1.55	0.86	5.68	52.31
MMS 1987-B-0	M3-2	0.27%	75.85%	5.91%	17.86%	2.34	1.64	3.38	15.44
MMS 1987-B-0	M3-3	0.34%	56.38%	8.94%	34.33%	2.45	2.28	2.74	8.84
MMS 1987-B-0	M3-7	0.20%	64.57%	8.78%	26.38%	2.38	1.89	3.07	11.73
MMS 1987-B-0	M3-8	0.52%	74.53%	5.62%	19.25%	2.17	1.55	3.38	16.38
MMS 1987-B-0	M3-9	0.45%	55.85%	7.93%	35.65%	2.31	2.24	2.84	9.46
MMS 1987-B-0	M3/cgs	0.19%	68.33%	6.87%	24.51%	2.32	1.90	3.19	12.43
MMS 1987-B-0	M4-1	0.00%	2.05%	18.88%	78.99%	3.29	3.41	1.84	3.52
MMS 1987-B-0	M4-2	0.00%	1.82%	17.10%	81.08%	3.45	3.47	1.78	3.28
MMS 1987-B-0	M4-3	0.07%	1.89%	16.03%	82.00%	3.37	3.50	1.78	3.30
MMS 1987-B-0	M4-7	0.00%	2.72%	17.19%	80.02%	3.51	3.46	1.78	3.26
MMS 1987-B-0	M4-8	0.00%	2.48%	17.76%	79.68%	3.52	3.44	1.77	3.25
MMS 1987-B-0	M4-9	0.01%	1.62%	17.66%	80.63%	3.46	3.46	1.78	3.28
MMS 1987-B-0	M4/cgs	0.00%	2.02%	19.25%	78.73%	3.67	3.42	1.73	3.12
MMS 1987-B1	C1-1	8.18%	49.65%	24.30%	14.67%	3.27	2.39	0.84	5.21
MMS 1987-B1	C1-2	0.64%	55.98%	25.09%	15.45%	3.68	1.94	2.32	8.12
MMS 1987-B1	C1-3	0.45%	57.35%	22.92%	14.91%	3.57	1.92	2.37	8.38
MMS 1987-B1	C1-4	0.12%	61.53%	20.29%	13.37%	3.57	1.80	2.74	9.75
MMS 1987-B1	C1-5	0.16%	57.48%	21.82%	16.02%	3.66	1.97	2.55	8.23
MMS 1987-B1	C1-6	0.24%	58.80%	27.74%	10.46%	4.03	2.22	1.88	5.14
MMS 1987-B1	C1/cgs	0.37%	54.73%	24.60%	16.37%	3.59	1.91	2.47	8.45
MMS 1987-B1	C2-1	0.31%	23.82%	63.03%	12.18%	5.90	2.55	0.06	1.90
MMS 1987-B1	C2-2	0.45%	23.02%	64.74%	10.67%	6.06	2.50	-0.02	1.85
MMS 1987-B1	C2-3	0.20%	27.42%	59.31%	11.83%	5.80	2.54	0.20	1.79
MMS 1987-B1	C2-4	0.31%	26.57%	62.72%	9.02%	5.82	2.53	0.06	1.80
MMS 1987-B1	C2-5	0.67%	26.98%	60.16%	10.14%	5.81	2.57	0.07	1.96

Sediment Texture Summary Arranged by Cruise (cont'd)

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis
MMS 1987-B1	C2-6	0.20%	24.56%	52.86%	20.95%	5.97	2.61	0.28	1.83
MMS 1987-B1	C2/cgs	0.27%	26.13%	42.31%	29.62%	5.48	2.85	0.73	2.19
MMS 1987-B1	C3-1	0.03%	1.97%	56.83%	41.10%	7.26	2.03	0.27	2.32
MMS 1987-B1	C3-2	0.02%	1.96%	43.79%	54.18%	6.86	2.40	0.93	1.99
MMS 1987-B1	C3-3	0.00%	2.38%	52.12%	45.49%	7.30	2.07	0.32	2.19
MMS 1987-B1	C3-4	0.00%	1.99%	48.58%	49.34%	7.23	2.14	0.58	2.07
MMS 1987-B1	C3-5	0.03%	2.39%	46.88%	50.69%	7.31	2.18	0.40	2.12
MMS 1987-B1	C3-6	0.03%	2.11%	65.11%	32.73%	7.24	1.92	0.07	2.63
MMS 1987-B1	C3/cgs	0.00%	2.74%	45.38%	51.63%	6.50	2.50	1.02	2.12
MMS 1987-B1	C4-1	0.00%	0.30%	88.28%	11.42%	7.62	1.17	-0.25	4.27
MMS 1987-B1	C4-2	1.05%	0.44%	88.18%	10.32%	7.66	1.47	-2.79	18.17
MMS 1987-B1	C4-3	0.00%	0.19%	82.52%	17.27%	7.66	1.25	0.12	3.55
MMS 1987-B1	C4-4	0.00%	0.24%	80.04%	19.72%	7.67	1.28	0.14	3.89
MMS 1987-B1	C4-5	0.00%	0.30%	42.73%	56.96%	7.48	1.94	1.04	2.12
MMS 1987-B1	C4-6	0.00%	0.23%	49.46%	50.29%	7.54	1.77	0.95	2.29
MMS 1987-B1	C4/cgs	0.00%	0.45%	41.87%	57.67%	6.67	2.35	1.33	2.20
MMS 1987-B1	D1-1	0.59%	97.76%	0.12%	0.93%	1.80	0.67	1.41	29.17
MMS 1987-B1	D1-2	0.15%	97.98%	0.27%	1.11%	1.82	0.63	3.45	43.49
MMS 1987-B1	D1-3	0.39%	97.85%	0.19%	1.19%	1.82	0.72	2.79	35.94
MMS 1987-B1	D1-4	0.14%	98.44%	0.16%	1.09%	1.80	0.66	3.22	40.78
MMS 1987-B1	D1-5	0.13%	98.31%	0.12%	1.07%	1.76	0.63	3.16	41.69
MMS 1987-B1	D1-6	0.07%	97.88%	0.61%	1.42%	1.97	0.81	4.68	45.32
MMS 1987-B1	D1/cgs	0.11%	98.34%	0.22%	1.25%	1.94	0.65	2.62	33.20
MMS 1987-B1	D2-1	3.02%	95.35%	0.20%	1.37%	1.44	0.77	0.90	34.28
MMS 1987-B1	D2-2	0.59%	97.69%	0.20%	1.47%	1.47	0.50	0.49	42.15
MMS 1987-B1	D2-3	0.23%	97.87%	0.23%	1.62%	1.52	0.49	3.01	56.96
MMS 1987-B1	D2-4	0.25%	97.88%	0.28%	1.59%	1.66	0.54	1.51	39.68
MMS 1987-B1	D2-5	0.48%	97.71%	0.24%	1.52%	1.51	0.51	2.50	58.40
MMS 1987-B1	D2-6	0.48%	97.85%	0.08%	1.54%	1.47	0.60	1.32	43.87
MMS 1987-B1	D2/cgs	0.33%	97.98%	0.17%	1.47%	1.50	0.57	5.76	99.04
MMS 1987-B1	D3-1	20.60%	67.11%	5.58%	6.54%	0.42	2.42	2.60	9.90
MMS 1987-B1	D3-2	15.92%	63.47%	10.75%	9.81%	1.12	2.88	1.84	5.72
MMS 1987-B1	D3-3	18.52%	64.61%	8.15%	8.64%	8.57	7.95	-1.09	1.23
MMS 1987-B1	D3-4	31.33%	56.99%	5.36%	6.26%	0.16	2.44	2.70	10.32
MMS 1987-B1	D3-5	15.94%	70.71%	6.08%	7.18%	0.69	2.37	2.40	9.24
MMS 1987-B1	D3-6	11.86%	74.80%	6.18%	7.07%	0.71	2.31	2.48	9.69
MMS 1987-B1	D3/cgs	15.51%	74.21%	6.02%	4.15%	0.51	2.19	2.61	10.41
MMS 1987-B1	D4-1	0.15%	5.93%	82.27%	11.44%	6.39	1.88	0.00	3.18
MMS 1987-B1	D4-2	0.09%	5.93%	80.09%	13.65%	6.39	1.93	0.16	2.79
MMS 1987-B1	D4-3	0.06%	6.00%	81.55%	12.17%	6.45	1.87	0.02	2.92
MMS 1987-B1	D4-4	0.02%	6.73%	73.99%	18.98%	6.34	2.09	0.35	2.46
MMS 1987-B1	D4-5	0.05%	11.35%	74.08%	12.65%	6.10	2.08	0.27	2.39

Sediment Texture Summary Arranged by Cruise (cont'd)

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis
MMS 1987-B1	D4-6	0.04%	6.45%	79.28%	13.84%	6.42	1.94	0.13	2.68
MMS 1987-B1	D4/cgs	0.00%	11.15%	53.07%	35.19%	5.36	2.58	1.20	2.71
MMS 1987-B1	M1-1	0.16%	97.62%	0.27%	1.49%	2.09	0.63	1.83	26.09
MMS 1987-B1	M1-2	0.21%	96.83%	0.40%	1.93%	2.19	0.77	3.55	40.96
MMS 1987-B1	M1-3	0.23%	97.19%	0.33%	2.02%	2.15	0.74	3.27	40.49
MMS 1987-B1	M1-4	1.87%	93.48%	0.92%	2.80%	2.18	1.08	1.44	19.21
MMS 1987-B1	M1-5	17.14%	77.37%	0.76%	2.68%	1.44	1.80	0.30	5.86
MMS 1987-B1	M1-6	0.29%	95.11%	0.50%	2.53%	2.24	0.84	4.38	45.66
MMS 1987-B1	M2-1	3.16%	90.52%	1.13%	3.34%	1.82	1.32	2.73	21.88
MMS 1987-B1	M2-2	6.00%	88.44%	1.19%	4.11%	1.68	1.64	2.38	15.54
MMS 1987-B1	M2-3	6.78%	86.87%	1.41%	4.74%	1.65	1.66	2.32	14.98
MMS 1987-B1	M2-4	6.10%	88.47%	1.08%	3.97%	1.58	1.53	1.99	15.09
MMS 1987-B1	M2-5	8.05%	86.20%	1.28%	4.17%	1.57	1.72	2.01	13.17
MMS 1987-B1	M2-6	3.20%	90.80%	0.89%	3.47%	1.73	1.29	3.21	24.33
MMS 1987-B1	M2/cgs	3.38%	91.92%	1.30%	3.34%	1.77	1.40	2.70	19.14
MMS 1987-B1	M3-1	0.56%	64.89%	17.73%	16.54%	3.79	2.83	1.28	3.36
MMS 1987-B1	M3-2	0.63%	67.91%	15.02%	16.10%	3.97	3.10	1.06	2.60
MMS 1987-B1	M3-3	1.74%	73.97%	8.24%	15.75%	3.09	2.64	1.82	5.32
MMS 1987-B1	M3-4	0.35%	56.61%	23.80%	18.92%	4.69	3.22	0.59	1.70
MMS 1987-B1	M3-5	0.74%	66.87%	15.26%	17.04%	3.74	3.08	1.19	2.89
MMS 1987-B1	M3-6	1.43%	51.07%	22.34%	24.76%	4.90	3.42	0.48	1.77
MMS 1987-B1	M3/cgs	0.34%	70.11%	10.39%	18.88%	3.63	3.00	1.52	3.74
MMS 1987-B1	M4-1	0.02%	6.69%	78.84%	14.33%	6.91	1.92	-0.37	2.98
MMS 1987-B1	M4-2	0.05%	2.69%	46.42%	50.74%	7.58	1.94	0.20	2.98
MMS 1987-B1	M4-3	0.10%	3.12%	37.08%	59.68%	5.65	2.83	1.35	2.33
MMS 1987-B1	M4-4	0.05%	7.68%	77.31%	14.81%	7.23	1.90	-0.82	3.73
MMS 1987-B1	M4-5	0.09%	6.83%	77.67%	15.37%	7.17	1.89	-0.61	3.41
MMS 1987-B1	M4-6	0.05%	7.94%	79.71%	12.20%	7.12	1.91	-0.82	3.66
MMS 1987-B1	M4/cgs	0.01%	4.90%	79.39%	15.43%	6.91	1.79	-0.21	3.22
MMS 1988-B2	C1-1	0.08%	51.12%	25.82%	19.02%	4.54	2.49	1.62	3.98
MMS 1988-B2	C1-2	0.04%	50.65%	29.93%	16.52%	4.56	2.32	1.68	4.29
MMS 1988-B2	C1-3	0.03%	19.24%	73.47%	6.37%	4.61	1.55	2.23	8.26
MMS 1988-B2	C1-4	0.04%	57.33%	26.89%	12.54%	4.35	2.19	1.74	4.69
MMS 1988-B2	C1-5	0.08%	55.77%	25.75%	15.22%	4.13	2.19	2.08	6.09
MMS 1988-B2	C1-6	0.12%	51.14%	27.88%	18.11%	4.51	2.39	1.58	4.05
MMS 1988-B2	C1/cgs	0.09%	52.85%	36.15%	7.79%	4.51	2.21	1.34	3.46
MMS 1988-B2	C2-1	0.06%	23.08%	46.29%	30.48%	5.80	2.68	0.63	1.95
MMS 1988-B2	C2-2	0.32%	25.13%	43.53%	30.93%	6.19	2.89	-0.04	1.68
MMS 1988-B2	C2-3	0.14%	24.75%	37.76%	37.25%	6.17	2.92	0.21	1.68
MMS 1988-B2	C2-4	0.13%	11.92%	44.08%	43.83%	7.06	2.47	-0.40	2.16
MMS 1988-B2	C2-5	0.19%	19.49%	37.50%	42.66%	6.28	2.92	0.41	1.78
MMS 1988-B2	C2-6	0.00%	19.63%	59.12%	21.15%	5.99	2.52	0.28	1.83

Sediment Texture Summary Arranged by Cruise (cont'd)

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis
MMS 1988-B2	C2/cgs	0.18%	13.25%	41.20%	45.31%	7.02	2.53	-0.38	2.14
MMS 1988-B2	C3-1	0.01%	4.35%	45.01%	50.58%	7.50	2.06	-0.23	2.56
MMS 1988-B2	C3-2	0.00%	4.67%	61.49%	33.82%	7.24	2.00	-0.26	2.70
MMS 1988-B2	C3-3	0.07%	8.46%	38.81%	52.60%	7.46	2.30	-0.61	2.83
MMS 1988-B2	C3-4	0.06%	9.85%	30.12%	59.92%	7.05	2.73	0.23	1.85
MMS 1988-B2	C3-5	0.17%	18.35%	62.48%	18.95%	6.58	2.57	-0.47	2.11
MMS 1988-B2	C3-6	0.22%	22.21%	30.32%	47.22%	6.73	2.93	-0.38	1.77
MMS 1988-B2	C3/cgs	0.45%	45.80%	15.86%	37.60%	5.50	3.35	0.31	1.45
MMS 1988-B2	C4-1	0.00%	0.26%	36.60%	63.11%	7.79	1.74	0.71	2.04
MMS 1988-B2	C4-2	0.00%	0.27%	27.99%	71.72%	5.05	3.05	1.52	2.41
MMS 1988-B2	C4-3	0.11%	0.35%	27.85%	71.68%	6.48	2.61	1.31	2.12
MMS 1988-B2	C4-4	0.00%	0.26%	29.69%	70.02%	5.75	2.84	1.46	2.26
MMS 1988-B2	C4-5	0.00%	0.41%	35.12%	64.41%	5.72	2.73	1.47	2.34
MMS 1988-B2	C4-6	1.10%	0.30%	29.14%	69.40%	6.07	2.86	1.04	2.36
MMS 1988-B2	C4/cgs	0.00%	0.27%	38.20%	61.52%	7.36	2.00	1.11	2.03
MMS 1988-B2	D1-1	1.60%	96.54%	0.15%	1.67%	1.73	0.78	0.37	20.92
MMS 1988-B2	D1-2	1.29%	96.54%	0.12%	2.01%	1.60	0.72	0.80	26.95
MMS 1988-B2	D1-3	1.12%	97.14%	0.13%	1.59%	1.64	0.74	0.12	16.70
MMS 1988-B2	D1-4	1.09%	97.23%	0.11%	1.54%	1.67	0.77	0.86	23.62
MMS 1988-B2	D1-5	0.42%	97.79%	0.17%	1.54%	1.61	0.56	1.16	27.60
MMS 1988-B2	D1-6	0.27%	97.87%	0.06%	1.76%	1.76	0.65	0.80	17.29
MMS 1988-B2	D1-8	0.14%	98.58%	0.14%	1.12%	1.65	0.52	3.49	59.39
MMS 1988-B2	D2-1	3.02%	95.35%	0.20%	1.37%	1.44	0.77	0.90	34.28
MMS 1988-B2	D2-2	0.59%	97.69%	0.20%	1.47%	1.47	0.50	0.49	42.15
MMS 1988-B2	D2-3	0.23%	97.87%	0.23%	1.62%	1.52	0.49	3.01	56.96
MMS 1988-B2	D2-4	0.25%	97.88%	0.28%	1.59%	1.66	0.54	1.51	39.68
MMS 1988-B2	D2-5	0.48%	97.71%	0.24%	1.52%	1.51	0.51	2.50	58.40
MMS 1988-B2	D2-6	0.48%	97.85%	0.08%	1.54%	1.47	0.60	1.32	43.87
MMS 1988-B2	D2/cgs	0.33%	97.98%	0.17%	1.47%	1.50	0.57	5.76	99.04
MMS 1988-B2	D3-1	31.94%	59.07%	3.82%	5.11%	0.12	2.29	2.81	11.67
MMS 1988-B2	D3-2	11.76%	72.44%	7.70%	8.98%	1.03	2.67	2.14	7.32
MMS 1988-B2	D3-3	15.66%	65.93%	9.92%	8.46%	1.07	2.72	1.88	6.11
MMS 1988-B2	D3-4	18.88%	69.14%	6.79%	5.04%	0.68	2.43	2.22	8.13
MMS 1988-B2	D3-5	12.58%	73.37%	6.88%	7.11%	0.98	2.55	2.18	7.76
MMS 1988-B2	D3-6	0.18%	76.97%	15.14%	7.65%	2.42	2.29	2.29	6.63
MMS 1988-B2	D3/cgs	12.69%	73.30%	8.21%	5.70%	1.01	2.72	2.02	6.54
MMS 1988-B2	D4-1	0.01%	4.73%	71.01%	24.15%	6.61	2.05	0.33	2.45
MMS 1988-B2	D4-2	0.05%	4.49%	66.95%	28.47%	6.63	2.10	0.41	2.43
MMS 1988-B2	D4-3	0.00%	6.38%	76.45%	17.11%	6.49	2.03	0.06	2.71
MMS 1988-B2	D4-4	0.00%	6.11%	78.37%	15.41%	6.33	1.93	0.32	2.49
MMS 1988-B2	D4-5	0.03%	5.39%	72.08%	22.45%	6.50	2.10	0.31	2.47
MMS 1988-B2	D4-6	1.40%	4.41%	83.28%	10.83%	6.53	1.96	-1.06	5.71

Sediment Texture Summary Arranged by Cruise (cont'd)

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis
MMS 1988-B2	D4/cgs	0.03%	5.43%	84.05%	10.32%	6.69	1.81	-0.33	3.18
MMS 1988-B2	M1-1	7.35%	90.14%	0.23%	2.26%	1.48	1.23	-0.21	8.46
MMS 1988-B2	M1-2	12.31%	81.17%	1.06%	5.37%	1.40	1.70	1.13	9.30
MMS 1988-B2	M1-3	10.80%	87.55%	0.08%	1.56%	0.99	1.17	-0.30	7.35
MMS 1988-B2	M1-4	9.78%	87.81%	0.20%	2.16%	1.35	1.24	-0.01	10.39
MMS 1988-B2	M1-5	4.11%	93.41%	0.28%	2.16%	1.60	1.01	-0.61	9.09
MMS 1988-B2	M1-6	6.74%	91.58%	0.10%	1.54%	1.42	1.07	-0.10	14.18
MMS 1988-B2	M1/cgs	5.17%	92.36%	0.38%	2.03%	0.01	1.91	1.94	7.06
MMS 1988-B2	M2-1	4.36%	91.01%	0.83%	3.77%	1.61	1.28	2.38	20.77
MMS 1988-B2	M2-2	10.49%	84.61%	0.83%	3.99%	1.48	1.62	1.84	14.08
MMS 1988-B2	M2-3	3.97%	90.91%	1.01%	4.05%	1.76	1.53	3.09	19.89
MMS 1988-B2	M2-4	10.60%	82.13%	1.60%	5.62%	1.53	1.72	2.00	12.99
MMS 1988-B2	M2/cgs	3.40%	91.36%	0.71%	4.51%	1.70	1.42	3.26	22.61
MMS 1988-B2	M2-1 Core	0.87%	94.54%	0.86%	3.69%	1.65	1.08	5.03	41.20
MMS 1988-B2	M2-2 Core	0.62%	93.62%	1.05%	4.67%	1.76	1.42	4.76	28.69
MMS 1988-B2	M2-2 Core	1.34%	94.26%	0.79%	3.56%	1.66	1.19	5.01	37.50
MMS 1988-B2	M2-4 Core	0.76%	93.47%	1.38%	4.36%	1.79	1.45	4.33	24.66
MMS 1988-B2	M2-5 Core	0.38%	94.77%	0.99%	3.81%	1.74	1.28	5.14	33.85
MMS 1988-B2	M2-6 Core	1.21%	90.56%	2.20%	6.00%	1.86	1.61	3.73	19.18
MMS 1988-B2	M3-1	0.64%	59.28%	20.10%	19.79%	4.48	3.08	0.76	2.02
MMS 1988-B2	M3-2	0.77%	76.17%	15.79%	6.90%	3.37	2.46	1.48	4.21
MMS 1988-B2	M3-3	0.49%	65.65%	16.79%	16.82%	4.12	2.98	0.99	2.43
MMS 1988-B2	M3-4	0.48%	58.05%	15.49%	25.89%	4.60	3.29	0.74	1.90
MMS 1988-B2	M3-5	0.41%	62.00%	17.78%	19.62%	4.35	3.07	0.87	2.15
MMS 1988-B2	M3-6	0.48%	62.31%	23.80%	13.24%	4.25	2.99	0.84	2.15
MMS 1988-B2	M3/cgs	1.28%	65.08%	16.70%	16.69%	4.08	3.06	0.87	2.29
MMS 1988-B2	M4-1 REP1	0.05%	2.61%	35.23%	62.06%	6.38	2.60	1.17	2.10
MMS 1988-B2	M4-1 REP3	16.00%	4.16%	79.39%	16.87%	7.26	1.74	-0.73	4.51
MMS 1988-B2	M4-2	0.17%	2.30%	29.62%	67.87%	7.59	2.14	0.39	2.67
MMS 1988-B2	M4-3	0.00%	6.06%	35.28%	58.60%	7.10	2.58	0.52	2.04
MMS 1988-B2	M4-4 REP2	0.00%	5.23%	49.12%	45.62%	7.10	2.27	-0.38	2.81
MMS 1988-B2	M4-4 REP7	0.35%	6.93%	28.98%	63.67%	7.52	2.04	0.33	2.12
MMS 1988-B2	M4-5 REP3	0.04%	14.43%	32.77%	52.67%	5.72	2.95	0.94	2.08
MMS 1988-B2	M4-5 REP12	0.04%	2.35%	36.75%	60.82%	6.48	2.54	1.18	2.11
MMS 1988-B2	M4-6	0.11%	3.81%	36.17%	59.88%	8.15	1.99	-0.76	4.08
MMS 1988-B2	M4-9 REP4	0.00%	5.37%	48.66%	45.91%	7.11	2.13	0.31	2.31
MMS 1988-B2	M4/cgs	0.03%	3.72%	44.90%	51.33%	7.53	1.89	-0.12	2.92
MMS 1988-B3	C1-2	0.32%	58.57%	10.11%	27.61%	2.46	1.81	2.93	11.50
MMS 1988-B3	C1-3	0.04%	58.23%	11.47%	27.58%	2.58	1.82	3.06	11.78
MMS 1988-B3	C1-4	0.32%	60.92%	9.44%	25.91%	2.53	1.74	3.19	13.49
MMS 1988-B3	C1-5	1.65%	60.85%	9.75%	25.52%	2.43	1.77	2.71	11.77
MMS 1988-B3	C1-6	0.18%	57.82%	8.73%	31.31%	2.46	1.89	3.18	12.39

Sediment Texture Summary Arranged by Cruise (cont'd)

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis
MMS 1988-B3	C1/cgs	0.24%	65.59%	8.26%	23.97%	2.47	1.60	3.25	14.57
MMS 1988-B3	C2-1	0.15%	18.42%	20.47%	59.17%	3.87	2.58	1.70	4.34
MMS 1988-B3	C2-2	0.61%	20.86%	18.96%	56.74%	2.76	2.86	2.14	5.15
MMS 1988-B3	C2-3	0.04%	22.89%	20.29%	54.96%	2.96	2.81	2.18	5.20
MMS 1988-B3	C2-4	0.22%	23.03%	20.13%	55.05%	4.05	2.45	1.55	4.35
MMS 1988-B3	C2-5	0.16%	17.88%	22.89%	58.45%	2.91	2.86	2.14	5.01
MMS 1988-B3	C2-6	0.15%	21.27%	20.65%	57.36%	2.88	2.83	2.16	5.13
MMS 1988-B3	C2/cgs	0.10%	21.42%	19.55%	57.26%	2.81	2.82	2.20	5.28
MMS 1988-B3	C3-1	0.00%	6.85%	15.19%	77.95%	2.72	3.34	1.99	4.14
MMS 1988-B3	C3-2	0.14%	10.54%	15.22%	74.00%	2.62	3.25	2.04	4.42
MMS 1988-B3	C3-3	0.10%	31.51%	8.72%	59.58%	2.19	2.95	2.35	6.06
MMS 1988-B3	C3-4	1.45%	39.33%	7.55%	51.32%	2.20	2.71	2.49	7.07
MMS 1988-B3	C3-5	0.08%	17.60%	11.69%	70.56%	2.42	3.16	2.20	5.07
MMS 1988-B3	C3-6	0.09%	8.67%	11.68%	79.28%	2.33	3.31	2.14	4.77
MMS 1988-B3	C3/cgs 1	0.10%	3.81%	12.64%	83.43%	2.46	3.39	2.06	4.40
MMS 1988-B3	C3/cgs 2	0.13%	13.28%	13.05%	73.53%	2.71	3.28	2.06	4.44
MMS 1988-B3	C4-1	0.00%	0.35%	12.73%	86.92%	2.73	3.52	1.95	3.92
MMS 1988-B3	C4-2	0.00%	0.27%	14.24%	85.43%	2.74	3.49	1.96	3.94
MMS 1988-B3	C4-3	0.00%	0.25%	12.76%	86.89%	2.68	3.51	1.96	3.95
MMS 1988-B3	C4-4	0.00%	0.22%	11.86%	87.80%	2.61	3.54	1.99	4.05
MMS 1988-B3	C4-5	0.00%	0.66%	14.36%	84.98%	2.69	3.47	1.98	4.03
MMS 1988-B3	C4-6	0.00%	0.28%	14.79%	84.87%	2.94	3.51	1.89	3.69
MMS 1988-B3	C4/cgs 1	0.00%	0.40%	13.16%	86.41%	2.71	3.51	1.97	3.98
MMS 1988-B3	D1-1	0.04%	90.66%	0.26%	8.97%	1.66	0.90	6.16	58.64
MMS 1988-B3	D1-2	0.10%	91.57%	0.22%	8.02%	1.63	0.87	5.87	58.40
MMS 1988-B3	D1-3	0.29%	90.07%	0.28%	9.26%	1.62	0.88	5.01	49.58
MMS 1988-B3	D1-4	0.06%	92.97%	0.25%	6.63%	1.66	0.82	5.67	59.29
MMS 1988-B3	D1-5	0.26%	91.72%	0.21%	7.79%	1.63	0.86	4.80	50.26
MMS 1988-B3	D1-6	0.60%	91.25%	0.28%	7.78%	1.66	0.85	4.47	47.35
MMS 1988-B3	D1/cgs 1	0.31%	92.42%	0.28%	6.92%	1.71	0.89	5.27	51.73
MMS 1988-B3	D1/cgs 2	0.71%	91.53%	0.20%	7.44%	1.69	0.87	4.79	50.63
MMS 1988-B3	D2-1	2.75%	83.39%	0.56%	13.30%	0.96	0.86	0.38	10.89
MMS 1988-B3	D2-2	2.81%	82.97%	0.75%	13.41%	0.87	0.99	1.68	18.16
MMS 1988-B3	D2-3	3.63%	83.48%	0.76%	12.01%	0.94	1.10	2.41	23.03
MMS 1988-B3	D2-4	6.31%	77.20%	1.28%	15.10%	0.80	1.29	2.59	20.28
MMS 1988-B3	D2-5	5.22%	78.49%	1.17%	15.05%	0.81	1.11	1.85	17.48
MMS 1988-B3	D2-6	1.88%	84.32%	0.58%	13.19%	0.99	0.82	0.25	10.15
MMS 1988-B3	D2/cgs 1	8.04%	79.40%	1.17%	11.29%	0.79	1.34	2.34	18.18
MMS 1988-B3	D2/cgs 2	7.95%	82.64%	0.74%	8.60%	0.83	1.24	1.92	18.24
MMS 1988-B3	D3-1	14.15%	51.56%	5.60%	28.06%	0.40	1.90	2.64	11.49
MMS 1988-B3	D3-2	11.45%	28.79%	8.54%	51.12%	0.67	2.25	2.47	8.68
MMS 1988-B3	D3-3	22.09%	55.97%	1.53%	20.27%	-0.02	1.45	3.01	18.81

Sediment Texture Summary Arranged by Cruise (cont'd)

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis
MMS 1988-B3	D3-4	21.16%	58.71%	4.49%	15.40%	0.29	2.09	2.73	11.79
MMS 1988-B3	D3-5	21.70%	55.91%	3.24%	19.07%	0.15	1.98	3.18	15.09
MMS 1988-B3	D3-6	21.08%	50.81%	7.30%	20.58%	1.68	3.24	1.06	3.35
MMS 1988-B3	D3/cgs 1	21.89%	58.40%	5.44%	13.57%	0.81	3.01	2.18	6.95
MMS 1988-B3	D3/cgs 2	20.17%	60.46%	6.59%	12.52%	1.17	3.38	1.83	5.16
MMS 1988-B3	D4-1	0.00%	6.47%	31.52%	58.96%	3.93	3.03	1.74	3.30
MMS 1988-B3	D4-2	0.00%	10.27%	24.72%	58.02%	3.47	3.11	1.85	3.64
MMS 1988-B3	D4-3	0.00%	8.62%	24.00%	61.02%	3.48	3.15	1.84	3.60
MMS 1988-B3	D4-4	0.00%	5.03%	29.24%	64.74%	3.85	3.00	1.80	3.50
MMS 1988-B3	D4-5	0.00%	5.85%	31.57%	61.12%	3.89	3.03	1.78	3.39
MMS 1988-B3	D4-6	0.00%	8.38%	30.73%	57.69%	4.01	3.01	1.75	3.31
MMS 1988-B3	D4/cgs 1	0.00%	8.73%	29.69%	55.47%	3.91	3.04	1.77	3.36
MMS 1988-B3	D4/cgs 2	0.00%	8.03%	29.31%	57.05%	3.93	3.06	1.75	3.29
MMS 1988-B3	M1-1	0.47%	86.56%	1.32%	11.64%	1.91	0.84	2.69	23.33
MMS 1988-B3	M1-2	0.17%	84.91%	1.35%	13.44%	1.95	1.19	4.79	31.77
MMS 1988-B3	M1-3	0.21%	77.58%	2.38%	19.65%	1.99	1.50	4.28	22.36
MMS 1988-B3	M1-4	0.01%	81.02%	2.34%	16.39%	2.06	1.38	3.94	22.18
MMS 1988-B3	M1-5	0.05%	76.08%	2.27%	21.57%	2.05	1.33	4.56	26.25
MMS 1988-B3	M1-6	0.16%	79.32%	2.03%	18.21%	2.14	1.21	4.71	30.44
MMS 1988-B3	M1/cgs 1	0.00%	86.71%	1.10%	11.73%	2.12	1.07	5.06	36.54
MMS 1988-B3	M1/cgs 2	0.01%	84.43%	1.56%	13.74%	2.10	1.17	4.70	30.30
MMS 1988-B3	M2-1	0.38%	89.69%	0.47%	9.43%	1.53	0.79	6.21	65.96
MMS 1988-B3	M2-2	0.14%	86.14%	0.50%	12.71%	1.52	0.91	6.66	58.99
MMS 1988-B3	M2-3	0.27%	88.38%	0.42%	10.91%	1.52	0.79	6.15	59.31
MMS 1988-B3	M2-4	0.25%	86.30%	0.46%	12.90%	1.54	0.98	6.45	53.30
MMS 1988-B3	M2-5	0.20%	86.57%	0.57%	12.62%	1.53	0.99	6.50	54.28
MMS 1988-B3	M2-6	0.88%	87.54%	0.44%	11.08%	1.52	0.92	5.60	52.20
MMS 1988-B3	M2/cgs 1	0.35%	88.34%	0.50%	10.75%	1.54	0.88	6.59	62.05
MMS 1988-B3	M3-1	0.27%	55.80%	7.80%	33.47%	2.57	2.30	2.72	8.67
MMS 1988-B3	M3-2	0.51%	50.75%	8.95%	37.29%	2.63	2.45	2.54	7.59
MMS 1988-B3	M3-3	0.84%	48.98%	9.49%	37.82%	2.73	2.56	2.38	6.77
MMS 1988-B3	M3-4	0.28%	40.27%	12.25%	44.51%	2.91	2.77	2.21	5.63
MMS 1988-B3	M3-5	3.63%	50.39%	8.58%	33.22%	2.53	2.50	2.20	7.10
MMS 1988-B3	M3-6	0.34%	55.40%	7.28%	33.09%	2.55	2.31	2.68	8.55
MMS 1988-B3	M3/cgs 1	0.43%	56.36%	6.79%	31.94%	2.43	2.19	2.80	9.47
MMS 1988-B3	M3/cgs 2	0.90%	45.35%	7.69%	43.44%	2.43	2.52	2.58	7.76
MMS 1988-B3	M4-1	0.02%	5.25%	16.01%	78.42%	3.28	3.42	1.82	3.46
MMS 1988-B3	M4-2	0.05%	4.61%	17.18%	77.52%	3.28	3.41	1.82	3.47
MMS 1988-B3	M4-3	0.13%	6.05%	14.98%	78.50%	3.16	3.43	1.86	3.61
MMS 1988-B3	M4-4	0.00%	3.27%	14.48%	81.88%	2.93	3.47	1.91	3.75
MMS 1988-B3	M4-5	0.00%	10.65%	10.63%	78.46%	2.89	3.44	1.98	4.02
MMS 1988-B3	M4-6	0.00%	3.52%	12.37%	83.87%	2.88	3.51	1.92	3.79

Sediment Texture Summary Arranged by Cruise (cont'd)

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis
MMS 1988-B3	M4/cgs 1	0.00%	4.42%	13.89%	81.42%	3.14	3.49	1.86	3.56
MMS 1988-B3	M4/cgs 2	0.05%	4.17%	13.80%	81.61%	3.06	3.50	1.87	3.61
MMS 1989-B4	C1-1	0.49%	77.95%	2.11%	17.60%	2.21	1.25	3.36	20.15
MMS 1989-B4	C1-2	0.56%	79.66%	2.49%	14.99%	2.30	1.31	3.31	20.00
MMS 1989-B4	C1-3	0.56%	79.59%	2.76%	14.31%	2.34	1.36	3.31	19.02
MMS 1989-B4	C1-4	0.45%	76.42%	2.46%	17.70%	2.29	1.33	3.39	19.18
MMS 1989-B4	C1-5	1.57%	76.64%	4.27%	15.47%	2.36	1.55	2.78	14.58
MMS 1989-B4	C1-6	0.82%	75.53%	3.71%	18.36%	2.22	1.33	2.81	16.00
MMS 1989-B4	C1/cgs	0.73%	77.41%	4.44%	15.91%	2.36	1.52	3.09	15.45
MMS 1989-B4	C2-1	0.10%	20.90%	21.03%	56.61%	3.07	2.95	2.07	4.71
MMS 1989-B4	C2-2	0.05%	16.75%	25.29%	56.50%	2.97	2.77	2.11	4.89
MMS 1989-B4	C2-3	0.15%	19.78%	25.10%	53.56%	2.83	2.67	2.21	5.42
MMS 1989-B4	C2-4	0.41%	17.27%	24.76%	55.93%	3.26	2.97	1.95	4.26
MMS 1989-B4	C2-5	0.14%	18.63%	20.08%	59.75%	3.23	3.02	2.07	4.64
MMS 1989-B4	C2-6	0.15%	19.44%	18.39%	59.27%	2.79	2.82	2.15	4.97
MMS 1989-B4	C2/cgs	0.02%	15.94%	23.43%	59.55%	3.07	2.87	2.06	4.61
MMS 1989-B4	C3-1	0.00%	3.23%	18.54%	78.08%	2.94	3.38	1.95	3.95
MMS 1989-B4	C3-2	0.00%	1.13%	17.51%	81.25%	3.31	3.52	1.82	3.42
MMS 1989-B4	C3-3	0.04%	1.11%	16.53%	82.19%	3.19	3.49	1.86	3.55
MMS 1989-B4	C3-4	0.00%	0.90%	17.79%	81.19%	3.28	3.50	1.83	3.44
MMS 1989-B4	C3-5	0.09%	2.82%	13.94%	82.94%	2.83	3.48	1.98	4.09
MMS 1989-B4	C3-6	0.00%	0.62%	15.71%	83.55%	3.21	3.50	1.86	3.55
MMS 1989-B4	C3/cgs	0.05%	2.08%	18.05%	79.64%	3.18	3.45	1.88	3.66
MMS 1989-B4	C4-1	0.00%	0.14%	14.68%	85.17%	2.70	3.47	1.95	3.90
MMS 1989-B4	C4-2	0.00%	0.21%	13.50%	86.29%	2.71	3.50	1.94	3.86
MMS 1989-B4	C4-3	0.00%	0.10%	14.67%	85.23%	2.57	3.45	1.99	4.09
MMS 1989-B4	C4-4	0.00%	0.11%	13.42%	86.46%	2.36	3.38	2.08	4.44
MMS 1989-B4	C4-5	0.17%	0.12%	15.39%	84.32%	2.80	3.49	1.90	3.75
MMS 1989-B4	C4-6	0.00%	0.23%	15.62%	84.16%	2.84	3.49	1.90	3.73
MMS 1989-B4	C4/cgs	0.00%	0.13%	16.97%	82.90%	2.79	3.43	1.93	3.84
MMS 1989-B4	D1-1	0.15%	91.25%	0.76%	7.83%	1.94	0.74	3.83	40.40
MMS 1989-B4	D1-2	0.00%	92.13%	0.56%	7.20%	1.91	0.73	4.10	40.08
MMS 1989-B4	D1-3	0.04%	91.42%	0.29%	8.18%	1.94	0.75	4.68	46.95
MMS 1989-B4	D1-4	0.10%	92.85%	0.55%	6.48%	1.98	0.80	4.59	45.90
MMS 1989-B4	D1-5	0.00%	92.97%	0.48%	6.47%	1.94	0.68	3.52	34.01
MMS 1989-B4	D1-6	0.00%	91.02%	0.67%	8.18%	1.84	0.71	3.59	34.28
MMS 1989-B4	D1/cgs	0.03%	93.29%	0.39%	6.18%	1.94	0.68	3.83	42.65
MMS 1989-B4	D2-1	1.88%	88.76%	1.40%	7.88%	1.44	1.34	4.36	30.57
MMS 1989-B4	D2-2	0.73%	89.00%	0.42%	9.76%	1.34	0.85	4.36	46.22
MMS 1989-B4	D2-3	0.03%	89.85%	0.69%	9.29%	1.49	1.08	6.24	50.32
MMS 1989-B4	D2-4	0.61%	92.69%	0.39%	6.27%	1.42	0.94	5.89	57.08
MMS 1989-B4	D2-5	0.51%	89.65%	0.48%	9.32%	1.39	0.66	3.58	47.59

Sediment Texture Summary Arranged by Cruise (cont'd)

Cruise No.	Sample No.	% Gravel	% Sand	% Silt	% Clay	Mean Phi	Sorting	Skewness	Kurtosis
MMS 1989-B4	D2-6	0.87%	88.91%	0.62%	9.51%	1.45	1.15	5.05	37.95
MMS 1989-B4	D2/cgs	0.99%	90.96%	0.27%	7.73%	1.38	0.79	3.94	47.87
MMS 1989-B4	D3-1	19.08%	55.91%	7.04%	17.36%	0.84	2.66	2.11	7.30
MMS 1989-B4	D3-2	8.25%	61.49%	10.39%	18.63%	1.41	2.48	1.86	6.58
MMS 1989-B4	D3-3	8.34%	61.66%	8.14%	21.46%	1.29	2.41	2.14	7.98
MMS 1989-B4	D3-4	13.44%	54.63%	7.75%	23.44%	1.15	2.55	2.09	7.49
MMS 1989-B4	D3-5	8.86%	57.28%	11.00%	19.41%	1.45	2.54	1.74	5.96
MMS 1989-B4	D3-6	17.07%	47.46%	12.33%	21.66%	1.29	2.83	1.70	5.36
MMS 1989-B4	D3/cgs	18.18%	57.94%	6.62%	17.02%	0.59	2.54	2.47	8.92
MMS 1989-B4	D4-1	0.00%	4.94%	32.57%	60.29%	3.70	3.02	1.86	3.71
MMS 1989-B4	D4-2	0.02%	5.35%	33.29%	58.53%	3.72	2.98	1.85	3.68
MMS 1989-B4	D4-3	0.00%	3.65%	30.27%	65.30%	3.45	3.08	1.90	3.86
MMS 1989-B4	D4-4	0.06%	2.76%	28.15%	68.68%	3.13	3.05	1.95	4.06
MMS 1989-B4	D4-5	0.00%	3.07%	26.35%	70.08%	3.29	3.17	1.91	3.84
MMS 1989-B4	D4-6	0.00%	3.44%	43.61%	52.15%	3.41	2.80	1.78	3.36
MMS 1989-B4	D4/cgs	0.00%	6.37%	28.97%	60.90%	3.59	3.07	1.85	3.64
MMS 1989-B4	M1-1	0.69%	68.58%	5.26%	24.53%	2.31	1.67	3.18	14.30
MMS 1989-B4	M1-2	0.38%	74.81%	3.96%	19.88%	2.32	1.45	3.30	16.81
MMS 1989-B4	M1-3	0.87%	71.25%	4.33%	22.05%	2.28	1.58	3.05	14.47
MMS 1989-B4	M1-4	8.01%	56.31%	7.16%	26.43%	2.08	2.21	1.74	7.33
MMS 1989-B4	M1-5	0.20%	60.29%	5.79%	31.43%	2.22	1.84	3.18	12.53
MMS 1989-B4	M1-6	0.43%	53.52%	6.44%	37.76%	2.16	1.90	3.08	11.64
MMS 1989-B4	M1/cgs	0.46%	65.27%	5.67%	27.64%	2.26	1.60	3.20	14.19
MMS 1989-B4	M2-1	0.23%	84.95%	1.63%	13.18%	1.49	0.81	5.09	44.71
MMS 1989-B4	M2-2	0.07%	85.89%	1.21%	12.77%	1.46	0.73	5.77	56.28
MMS 1989-B4	M2-3	0.26%	81.14%	1.58%	16.93%	1.40	0.79	4.93	46.31
MMS 1989-B4	M2-4	0.20%	85.41%	0.88%	13.40%	1.47	0.92	6.49	60.74
MMS 1989-B4	M2-5	1.11%	86.24%	1.30%	11.26%	1.50	0.96	4.73	44.44
MMS 1989-B4	M2-6	0.30%	85.97%	0.73%	12.94%	1.45	0.69	4.01	39.05
MMS 1989-B4	M2/cgs	0.75%	87.44%	1.09%	10.56%	1.49	0.89	5.28	50.35
MMS 1989-B4	M3-1	0.46%	53.63%	6.63%	38.98%	1.85	1.87	3.24	12.65
MMS 1989-B4	M3-2	1.46%	51.65%	6.24%	40.53%	1.82	2.02	3.19	12.87
MMS 1989-B4	M3-3	0.18%	41.33%	8.88%	49.16%	1.90	2.09	2.99	10.49
MMS 1989-B4	M3-4	1.06%	44.19%	7.50%	46.52%	2.06	2.38	2.69	8.59
MMS 1989-B4	M3-5	3.29%	54.32%	7.69%	34.07%	1.98	2.04	2.45	9.63
MMS 1989-B4	M3-6	0.48%	56.30%	6.40%	36.51%	1.91	1.83	3.36	13.95
MMS 1989-B4	M3/cgs	1.19%	69.20%	4.29%	25.11%	2.01	1.67	3.30	15.60
MMS 1989-B4	M4-1	0.00%	3.83%	14.40%	81.54%	2.56	3.27	2.07	4.44
MMS 1989-B4	M4-2	0.09%	4.19%	14.79%	80.84%	2.62	3.32	2.06	4.43
MMS 1989-B4	M4-3	0.00%	8.90%	11.20%	79.58%	2.27	3.19	2.25	5.26
MMS 1989-B4	M4-4	0.00%	4.72%	14.73%	80.36%	2.52	3.24	2.08	4.50
MMS 1989-B4	M4-5	0.05%	4.55%	16.55%	78.44%	2.31	3.11	2.15	4.88
MMS 1989-B4	M4-6	0.00%	4.92%	16.78%	78.06%	2.47	3.19	2.11	4.65
MMS 1989-B4	M4/cgs	0.16%	2.99%	15.53%	81.18%	2.39	3.32	2.08	4.48

Ancillary Sediment Data

ANCILLARY SEDIMENT DATA

FILE #	CRUISE	TRANSECT -STATION	TOTAL ORGANIC CARBON (%)	CALCIUM CARBONATE (%)	$\delta^{13}\text{C}$ -13 (per mil)
L 4525	MMS-0	C-1	1.3	8.2	-21.3
L 4526	MMS-0	C-2	0.3	7.1	-20.4
L 4527	MMS-0	C-3	1.3	1.5	-21.2
L 4528	MMS-0	C-4	0.1	2.1	-20.4
L 4529	MMS-0	D-2	0.1	54.0	-19.1
L 4530	MMS-0	D-3	0.9	60.9	-21.5
L 4531	MMS-0	D-4	1.7	43.3	-21.0
L 4532	MMS-0	M-1	0.1	2.4	-25.1
L 4533	MMS-0	M-2	0.2	3.6	-24.0
L 4534	MMS-0	M-3	0.1	14.7	-21.5
L 4535	MMS-0	M-4	0.8	17.6	-20.4
W 6233	MMS-1	C-1	0.7	7.0	-23.4
W 6234	MMS-1	C-2	0.7	2.5	-23.7
W 6235	MMS-1	C-3	1.7	3.2	-23.4
W 6236	MMS-1	C-4	0.8	2.9	-23.3
W 6237	MMS-1	D-1	0.3	0.7	-22.9
W 6238	MMS-1	D-2	0.3	2.5	-23.3
W 6239	MMS-1	D-3	0.2	58.0	-22.3
W 6240	MMS-1	D-4	2.0	53.5	-22.7
W 6241	MMS-1	M-1	0.4	1.4	-24.8
W 6242	MMS-1	M-2	0.2	6.6	-20.5
W 6243	MMS-1	M-3	0.6	16.0	-23.3
W 6244	MMS-1	M-4	1.7	11.0	-23.3
W7734	MMS-2	C-1	0.6	5.6	-21.4
W7735	MMS-2	C-2	1.5	6.8	-23.5
W7736	MMS-2	C-3	1.2	2.9	-23.0
W7737	MMS-2	C-4	1.4	3.0	-22.7
W7738	MMS-2	D-1	0.1	1.2	-24.2
W7739	MMS-2	D-2	0.4	2.1	-20.6
W7740	MMS-2	D-3	0.9	53.3	-23.2
W7741	MMS-2	D-4	3.1	25.9	-22.2
W7742	MMS-2	M-1	0.3	2.9	-24.9
W7743	MMS-2	M-2	0.3	5.2	-23.3

ANCILLARY SEDIMENT DATA

FILE #	CRUISE	TRANSECT -STATION	TOTAL ORGANIC CARBON (%)	CALCIUM CARBONATE (%)	$\delta^{13}\text{C}$ -13 (per mil)
W7744	MMS-2	M-3	0.5	22.5	-21.3
W7745	MMS-2	M-4	1.3	2.0	-21.7
W11535	MMS-3	C-1	0.3	7.4	-22.6
W11536	MMS-3	C-2	0.9	11.4	-21.7
W11537	MMS-3	C-3	1.3	4.0	-21.2
W11538	MMS-3	C-4	1.9	12.3	-22.1
W11539	MMS-3	D-1	< 0.1	0.1	-20.5
W11540	MMS-3	D-2	0.2	45.2	-21.9
W11541	MMS-3	D-3	1.1	78.1	-20.7
W11542	MMS-3	D-4	1.8	72.0	-22.3
W11543	MMS-3	M-1	0.1	0.1	-21.5
W11544	MMS-3	M-2	< 0.1	7.1	-20.5
W11545	MMS-3	M-3	0.6	30.7	-21.3
W11546	MMS-3	M-4	1.5	9.1	-20.9
W12656	MMS-4	C-1	0.2	4.8	-21.3
W12657	MMS-4	C-2	1.0	8.7	-21.3
W12658	MMS-4	C-3	1.3	6.3	-21.1
W12659	MMS-4	C-4	1.5	5.2	-21.6
W12652	MMS-4	D-1	< 0.1	0.2	-19.0
W12653	MMS-4	D-2	< 0.1	2.4	-21.2
W12654	MMS-4	D-3	2.6	80.0	-20.4
W12655	MMS-4	D-4	2.9	84.8	-20.4
W12660	MMS-4	M-1	0.5	6.1	-21.5
W12661	MMS-4	M-2	< 0.1	6.2	-20.7
W12662	MMS-4	M-3	0.2	9.9	-20.8
W12663	MMS-4	M-4	1.7	20.4	-21.1

APPENDIX B

BIOLOGY

Macroinfauna

MINERALS MANAGEMENT SERVICE
Mississippi-Alabama Marine Ecosystem Study
Infauna Species Summaries
Cruise 0

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
120	16.0	Paraprionospio pinnata	6	0	39	3	20	2	35	28	5	0	12	1	10	151
66	16.0	Lumbrineris verrilli Perk	7	0	1	0	75	5	0	13	4	1	10	13	9	129
77	16.0	Mediomastus californiensis	0	0	3	0	14	18	26	0	0	2	1	0	6	64
89	16.0	Nephtys incisa	0	0	2	8	0	0	0	16	6	1	3	10	7	46
676	16.0	Prionospio pygmaea	0	2	2	6	2	0	0	3	0	0	8	20	7	43
1222	16.0	Lumbrineris sp E	0	0	1	0	35	0	0	0	0	1	0	0	3	37
658	16.0	Tharyx marioni	0	0	11	4	2	0	6	5	0	2	1	3	8	34
129	16.0	Spiophanes bombyx	5	1	0	0	20	0	0	0	0	3	0	0	4	29
1214	16.0	Ninoe sp B	0	0	10	0	0	0	0	0	1	2	12	4	5	29
93	16.0	Nereis micromma Harp	1	0	0	0	4	1	0	0	15	3	3	0	6	27
494	6.0	Nemertean	2	0	0	0	11	0	4	2	3	1	3	0	7	26
1008	16.0	Paralacydonia paradoxa	0	0	10	11	0	0	1	4	0	0	0	0	4	26
3	16.0	Aglaophamus verrilli	0	0	0	0	14	0	6	0	1	3	0	0	4	24
96	16.0	Notomastus hemipodus	0	0	2	0	0	0	1	0	0	5	14	0	4	22
33	16.0	Ceratocephale oculata	2	0	0	0	16	1	1	0	0	0	0	0	4	20
649	16.0	Armandia maculata	1	0	0	1	5	1	0	8	0	0	3	1	7	20
148	14.0	Golfingia cf trichocephala	0	0	16	1	0	0	2	0	0	0	0	0	3	19
198	26.0	Amphipoda, un id	0	0	1	1	1	2	5	2	0	2	3	1	9	18
994	16.0	Onuphis sp a	0	0	2	0	0	0	4	0	0	12	0	0	3	18
365	16.0	Aricidea fragilis	0	0	0	0	2	0	2	0	8	2	1	0	5	15
1010	16.0	Lumbrineris sp b	0	0	0	1	2	0	1	1	1	0	6	2	7	14
34	6.0	Cerebratulus lacteus Leid	0	0	0	1	0	0	3	7	2	0	0	0	4	13
669	16.0	Prionospio fallax	0	0	0	0	6	1	4	2	0	0	0	0	4	13
948	16.0	Notomastus daueri	0	0	1	0	0	1	0	0	0	7	4	0	4	13
1080	16.0	Cossura soyeri	0	0	6	0	0	0	0	1	0	0	3	3	4	13

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
979	16.0	Exogone dispar	0	0	0	0	10	1	1	0	0	0	0	0	3	12
1286	14.0	Golfingia	0	0	5	0	0	0	7	0	0	0	0	0	2	12
27	16.0	Asychis elongata	0	0	0	0	2	0	0	0	9	0	0	0	2	11
187	12.0	Bivalvia unid	0	1	0	0	1	0	3	2	0	3	1	0	6	11
667	16.0	Prionospio cristata	3	0	0	0	4	0	0	0	1	3	0	0	4	11
774	16.0	Loimia medusa	0	0	1	0	0	0	7	0	0	3	0	0	3	11
1313	10.0	Glottidia sp (MMS)	0	0	0	0	11	0	0	0	0	0	0	0	1	11
1	12	Abra aequalis	0	0	9	0	0	0	1	0	0	0	0	0	2	10
86	6.0	Nemertea (yellow banded)	1	0	0	0	5	1	1	0	1	0	1	0	6	10
959	16.0	Goniada littorea	0	0	0	0	8	1	0	0	1	0	0	0	3	10
1044	16.0	Euclymene sp	0	0	2	0	2	4	2	0	0	0	0	0	4	10
1284	8.0	Bryozoan (encrusting)	0	10	0	0	0	0	0	0	0	0	0	0	1	10
5	26.0	Ampelisca abdita	1	0	0	1	2	0	1	0	1	2	0	0	6	8
80	35.0	Micropholis atra	0	0	2	1	1	1	1	0	0	2	0	0	6	8
143	4.0	Bunodactis texensis	0	0	0	0	0	0	0	0	0	0	8	0	1	8
285	16.0	Laonice cirrata	0	0	0	0	0	7	1	0	0	0	0	0	2	8
1208	16.0	Tauberia oligobranchiata	0	0	1	0	0	2	1	0	0	2	1	1	6	8
1274	23.0	Ostracoda	0	0	0	0	7	0	1	0	0	0	0	0	2	8
1281	10.1	Aplacophora	0	0	0	0	0	0	0	6	0	0	0	2	2	8
84	11.0	Nassarius acutus	0	0	0	0	0	4	0	0	0	3	0	0	2	7
112	14.0	Phascolion strombi	0	1	0	0	1	1	3	0	0	1	0	0	5	7
171	7.0	Nematoda	0	0	7	0	0	0	0	0	0	0	0	0	1	7
179	16.0	Tharyx setigera	0	0	0	0	6	0	0	0	1	0	0	0	2	7
369	16.0	Microspio pigmentata	0	0	0	0	6	0	0	0	1	0	0	0	2	7
580	1.0	Foraminifera	0	3	0	0	0	0	3	1	0	0	0	0	3	7

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Cruise 0

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1230	16.0	Sthenelanelia sp A	0	0	0	1	1	0	0	1	0	0	1	3	5	7
1269	16.0	Spiophanes cf. wigley	0	0	2	0	0	0	4	1	0	0	0	0	3	7
151	16.0	Malacoceros vanderhorsti	0	1	1	0	2	1	0	1	0	0	0	0	5	6
157	31.0	Spiocarcinus lobatus	0	0	0	0	0	0	0	0	6	0	0	0	1	6
164	31.0	Paguridae	0	2	0	0	0	1	1	0	0	2	0	0	4	6
387	31.0	Alpheus floridanus	0	0	0	0	0	0	0	0	1	0	5	0	2	6
619	16.0	Anaitides mucosa	0	0	1	1	1	0	2	1	0	0	0	0	5	6
650	26.0	Ampelisca agassizi	0	0	0	1	0	0	0	0	2	3	0	0	3	6
986	16.0	Cirrophorus lyra	0	1	1	0	0	0	2	1	0	0	1	0	5	6
1012	16.0	Marphysa belli	0	0	0	0	0	0	6	0	0	0	0	0	1	6
1232	16.0	Aricidea cf. pseudoarticulata	0	0	1	0	0	2	2	0	0	0	1	0	4	6
1234	16.0	Chaetozone sp C	0	0	0	0	2	1	0	1	0	0	0	2	4	6
1288	14.0	Sipunculida	0	0	6	0	0	0	0	0	0	0	0	0	1	6
1312	8.0	Cupuladria sp (MMS)	0	0	1	5	0	0	0	0	0	0	0	0	2	6
125	16.0	Sigambra tentaculata	0	0	1	0	1	0	1	2	0	0	0	0	4	5
698	27.0	Xenanthura brevitelson	0	0	0	0	4	1	0	0	0	0	0	0	2	5
1180	28.0	Cumacea cc	0	0	1	2	0	0	0	2	0	0	0	0	3	5
1210	16.0	Magelona sp E (cf Vittor)	0	0	0	0	0	0	0	0	5	0	0	0	1	5
1231	16.0	Tauberia oculata	0	0	0	2	0	0	1	1	0	0	1	0	4	5
1237	16.0	Aricidea (Acmira) pseudearticu	1	0	0	0	4	0	0	0	0	0	0	0	2	5
1238	16.0	Tachytrypane jeffreysii	0	0	4	1	0	0	0	0	0	0	0	0	2	5
1249	16.0	Magelona sp L (cf Vittor)	0	0	2	3	0	0	0	0	0	0	0	0	2	5
1251	16.0	Mooreonuphis cf. nebulosa	0	0	0	0	5	0	0	0	0	0	0	0	1	5
50	16.0	Glycera americana	0	0	0	0	1	1	0	0	1	1	0	0	4	4
54	16.0	Gyptis vittata	0	0	0	1	0	0	1	1	0	0	1	0	4	4

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
71	12.0	<i>Macoma tenta</i>	0	0	0	0	0	0	4	0	0	0	0	0	1	4
325	31.0	Shrimp	0	0	2	1	0	0	0	1	0	0	0	0	3	4
1132	17.0	<i>Oligochaeta</i>	1	0	0	1	1	1	0	0	0	0	0	0	4	4
1213	16.0	<i>Goniadella</i> sp A	0	0	0	0	0	2	1	0	1	0	0	0	3	4
1225	16.0	<i>Sarsonuphis hartmanae</i>	0	0	1	1	0	0	1	0	0	1	0	0	4	4
1229	16.0	<i>Notomastus tenuis</i>	0	0	0	0	0	0	0	0	0	0	4	0	1	4
1256	16.0	cf. <i>Scolecopides</i>	0	0	0	0	4	0	0	0	0	0	0	0	1	4
1275	12.0	<i>Nuculana</i> sp	0	0	0	0	0	0	0	0	0	4	0	0	1	4
1276	0.0	<i>Bunodactis texensis</i>	0	1	1	0	1	1	0	0	0	0	0	0	4	4
133	12.0	<i>Tellina versicolor</i>	0	0	0	0	0	0	0	0	3	0	0	0	1	3
188	16.0	<i>Drilonereis longa</i>	0	0	0	0	1	0	0	0	1	1	0	0	3	3
421	12.0	<i>Macoma</i> sp	0	0	0	0	2	0	0	0	0	1	0	0	2	3
653	16.0	<i>Aricidea cerrutii</i>	0	0	2	0	0	0	1	0	0	0	0	0	2	3
799	33.0	<i>Tendipes</i> sp	0	0	0	0	0	3	0	0	0	0	0	0	1	3
827	16.0	<i>Chone americana</i>	0	1	0	0	0	1	0	0	0	1	0	0	3	3
980	16.0	<i>Notomastus americanus</i>	0	0	0	1	0	0	1	0	0	1	0	0	3	3
1009	16.0	<i>Ancistrosyllis</i> cf <i>groenlandica</i>	0	0	1	1	0	0	0	1	0	0	0	0	3	3
1209	16.0	<i>Magelona</i> sp I (cf <i>Vittor</i>)	0	0	0	0	0	0	0	0	2	1	0	0	2	3
1211	16.0	<i>Decamastus</i> sp A	0	0	0	0	0	0	0	0	1	1	0	1	3	3
1212	16.0	<i>Glycera</i> sp F	0	0	0	0	0	0	2	0	1	0	0	0	2	3
1218	16.0	<i>Euclymene</i> sp B	0	0	0	0	0	0	0	0	0	3	0	0	1	3
1220	16.0	<i>Decamastus</i> cf. <i>gracilis</i>	0	0	0	0	0	0	0	0	0	2	1	0	2	3
1226	16.0	<i>Spiophares</i> cf. <i>missionensis</i>	0	0	0	0	0	0	0	0	0	3	0	0	1	3
1228	16.0	<i>Goniada brunnea</i>	0	0	1	0	0	0	0	1	0	0	1	0	3	3
1243	16.0	<i>Chaetozone</i> sp A	0	0	1	1	1	0	0	0	0	0	0	0	3	3

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1263	16.0	Axiothella sp A	0	0	0	0	0	0	3	0	0	0	0	0	1	3
1285	0.0	Bryozoan col.	0	1	0	0	0	1	0	0	0	1	0	0	3	3
37	16.0	Clymenella torquata	0	0	0	0	0	0	2	0	0	0	0	0	1	2
119	16.0	Polyodontes lupina	0	0	1	0	0	0	0	1	0	0	0	0	2	2
254	23.0	Ostracoda (thick)	0	0	0	0	0	0	0	0	0	2	0	0	1	2
271	10.0	Glottidia pyramidata	0	0	0	0	0	0	0	0	0	2	0	0	1	2
317	26.0	Phoxocephalidae	0	0	0	2	0	0	0	0	0	0	0	0	1	2
341	35.0	Ophiuroidea unid or fragment	0	0	0	2	0	0	0	0	0	0	0	0	1	2
464	4.0	Anemone (holothuroid like)	1	0	0	0	0	0	1	0	0	0	0	0	2	2
674	35.0	Ophiuroidea, arm fragment	0	0	0	0	0	1	1	0	0	0	0	0	2	2
765	28.0	Oxyurostylis smithi	0	0	0	0	0	0	2	0	0	0	0	0	1	2
923	16.0	Tauberia gracilis	1	0	0	0	0	0	0	0	0	1	0	0	2	2
1217	16.0	Axiothella mucosa	0	0	0	0	0	0	1	0	0	1	0	0	2	2
1223	16.0	Tharyx cf. annulosus	0	0	0	0	1	0	0	0	0	1	0	0	2	2
1224	16.0	Kinbergonuphis sp A	0	0	1	0	0	0	0	0	0	1	0	0	2	2
1236	16.0	Bocardiella sp A	1	0	0	0	1	0	0	0	0	0	0	0	2	2
1241	16.0	Lumbrineris sp C	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1246	16.0	Prionospio (Minuspio) sp	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1247	16.0	Phylo felix	0	0	1	0	1	0	0	0	0	0	0	0	2	2
1260	16.0	Caulleriella cf. zelandica	0	0	0	0	0	2	0	0	0	0	0	0	1	2
1264	16.0	Pseudeurythoe paucibranchiata	0	0	0	0	0	0	2	0	0	0	0	0	1	2
1265	16.0	Telothelepous cf. capensis	0	0	0	0	0	0	2	0	0	0	0	0	1	2
1293	0.0	Aspidosiphon cf speciosus	0	0	0	0	1	1	0	0	0	0	0	0	2	2
1297	27.0	Anthurid (cyathura?)	0	0	0	0	0	2	0	0	0	0	0	0	1	2
1514	23.0	Ostracoda Z	0	0	2	0	0	0	0	0	0	0	0	0	1	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1603	37.0	<i>Brissopsis alta</i>	0	0	0	0	0	0	0	1	0	0	1	0	2	2
10	11.0	<i>Anachis obesa</i>	1	0	0	0	0	0	0	0	0	0	0	0	1	1
12	16.0	<i>Ancistrosyllis</i> sp a	0	0	0	0	0	0	1	0	0	0	0	0	1	1
20	16.0	<i>Armandia agilis</i>	0	0	0	0	0	1	0	0	0	0	0	0	1	1
42	16.0	<i>Diopatra cuprea</i>	0	0	0	0	1	0	0	0	0	0	0	0	1	1
91	16.0	<i>Nephtys picta</i>	0	0	0	0	1	0	0	0	0	0	0	0	1	1
103	28.0	<i>Oxyurostylis salinoi</i>	0	0	0	0	0	0	0	1	0	0	0	0	1	1
106	11.0	<i>Volvulella texasiana</i>	0	0	0	0	0	0	0	0	0	0	1	0	1	1
115	31.0	<i>Pinnixa lunzi</i>	0	0	0	0	0	1	0	0	0	0	0	0	1	1
146	31.0	<i>Euceramus praelongus</i>	0	0	0	0	1	0	0	0	0	0	0	0	1	1
147	16.0	<i>Flabelligeridae</i> sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
208	31.0	<i>Goneplacidae</i>	0	0	0	0	0	0	0	0	0	0	1	0	1	1
233	26.0	<i>Photis macromanus</i>	0	0	0	0	0	0	0	0	1	0	0	0	1	1
242	16.0	<i>Prionospio heterobranchia</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1
260	16.0	<i>Myriowenia californ</i>	0	0	0	0	1	0	0	0	0	0	0	0	1	1
266	12.0	<i>Diplodonta</i> sp	0	0	0	0	0	0	0	0	0	1	0	0	1	1
308	31.0	<i>Pinnixa sayana</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	1
372	16.0	<i>Megalomma bioculatum</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	1
420	11.0	<i>Gastropoda</i> unid	0	0	0	0	0	0	0	0	0	0	1	0	1	1
438	11.0	Bubble shell	1	0	0	0	0	0	0	0	0	0	0	0	1	1
521	16.0	<i>Chaetozone</i> sp	0	0	0	0	0	0	0	0	0	1	0	0	1	1
557	3.0	<i>Lovenella grandis</i> (col)	0	0	0	0	0	0	1	0	0	0	0	0	1	1
566	16.0	<i>Hydroides protulicula</i>	0	0	0	0	0	1	0	0	0	0	0	0	1	1
598	16.0	<i>Ancistrosyllis papillosa</i>	0	0	0	0	0	0	0	1	0	0	0	0	1	1
616	15.0	<i>Echiuroidea</i> cf <i>thalassemia</i>	0	0	0	0	0	0	1	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
656	16.0	Capitellidae (frag or unid)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
657	16.0	Sigambra sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
672	16.0	Owenia cf. fusiformis	0	0	0	0	1	0	0	0	0	0	0	0	1	1
737	26.0	Monoculodes edwardsi	0	0	0	0	0	0	0	0	1	0	0	0	1	1
775	16.0	Gyptis brevipalpa	0	0	0	0	1	0	0	0	0	0	0	0	1	1
792	12.0	Lucina pectinata	0	0	0	0	0	0	0	0	0	1	0	0	1	1
888	16.0	Aricidea taylori	0	0	0	0	0	0	0	0	1	0	0	0	1	1
889	16.0	Lumbrineris ernesti	0	0	0	0	0	0	1	0	0	0	0	0	1	1
934	16.0	Eunicidae	0	0	1	0	0	0	0	0	0	0	0	0	1	1
955	16.0	Nereis grayi	0	0	0	0	0	0	1	0	0	0	0	0	1	1
961	16.0	Polynoidae sp b	0	0	0	0	0	0	0	0	1	0	0	0	1	1
985	16.0	Tauberia reducta	0	0	0	1	0	0	0	0	0	0	0	0	1	1
998	16.0	Diopatra tridentata	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1104	16.0	Schistomeringos cf rudolphi	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1215	16.0	Aricidea (Aricidea) longicirra	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1233	16.0	Hemipodus sp	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1235	16.0	Lumbrineris sp D	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1239	16.0	Barantolla sp A	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1240	16.0	Cossura sp A	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1242	16.0	Lumbrineris latrielli	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1244	16.0	Maldane sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1252	16.0	Amparete cf. irana heterobranc	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1253	16.0	Harmothoe sp B	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1255	16.0	Glycera sp C (cf Vittor)	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1257	16.0	Petaloproctus sp	0	0	0	0	1	0	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1258	16.0	Owenia sp A	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1259	16.0	Spiophanes sp	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1261	16.0	Minuspio sp A	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1262	16.0	Mooreonuphis pallidula	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1267	16.0	Eurythoe sp	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1268	16.0	Notomastus lobatus	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1270	16.0	Euchone cf. southern	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1279	31.0	Penaeid	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1282	8.0	Bryozoan col.	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1291	6.0	Nemertea (yellow line)	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1292	11.0	Kurtziella	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1294	10.1	Cadulus sp	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1295	13.0	Scaphopod	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1299	12.0	Bivalvia (Amygdalum?)	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1302	9.0	Phoronid frag.	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1303	12.0	Septibranch	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1305	16.0	Chaetozone sp D	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1306	16.0	Scalibregma inflatum	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1307	12.0	Solen	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1308	0.0	Branchiostoma	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1309	16.0	Trypanosyllis cf. parvidentata	0	0	0	0	0	0	0	1	0	0	0	0	1	1
1310	16.0	Mastobranchus cf. sp A	0	0	0	0	0	0	0	1	0	0	0	0	1	1
1314	28.0	Tropedotea lyonsi	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1513	16.0	Aricidea trilobata	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1742	37.0	Brissopsis attantis vas elonga	0	0	0	0	0	0	0	1	0	0	0	0	1	1

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 Cruise 0

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1743	37.0	Brissopsis alta bas elongati	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1744	29.0	Tamardacea	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1792	29.0	Tanaidacea	0	0	0	0	0	1	0	0	0	0	0	0	1	1
Totals			38	25	182	70	346	83	189	123	91	108	119	70	462	1444

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Cruise 1

Spec. No.	Fam No.	Species Name		D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
66	16.0	Lumbrineris verrilli	Perk	112	0	5	0	98	28	6	4	50	7	4	25	10	339
120	16.0	Paraprionospio pinnata		11	7	0	2	10	7	41	186	17	19	19	2	11	321
1235	16.0	Lumbrineris sp D		211	0	6	0	57	1	0	0	0	5	1	0	6	281
1334	12.0	Nuculana sp A (MMS)		0	0	6	0	9	178	27	0	0	1	2	1	7	224
198	26.0	Amphipoda, un id		144	16	1	0	7	5	0	1	4	4	0	0	8	182
133	12.0	Tellina versicolor		27	10	5	0	23	30	4	0	49	0	0	0	7	148
1312	8.0	Cupuladria sp (MMS)		40	38	20	6	27	13	0	0	0	0	0	0	6	144
1313	10.0	Glottidia sp (MMS)		11	0	4	1	105	4	0	1	0	0	0	0	6	126
93	16.0	Nereis micromma	Harp	6	0	1	0	8	29	2	0	51	3	4	0	8	104
285	16.0	Laonice cirrata		5	19	48	1	0	24	3	1	0	0	2	0	8	103
1222	16.0	Lumbrineris sp E		72	0	26	0	2	0	0	0	0	0	0	0	3	100
827	16.0	Chone americana		79	2	3	0	3	0	0	0	0	0	1	0	5	88
164	31.0	Paguridae		3	13	3	1	8	54	0	1	0	0	0	0	7	83
314	12.0	Parvilucina multilineata		14	0	5	0	27	14	4	0	7	0	4	0	7	75
1	12.0	Abra aequalis		3	0	8	0	8	34	7	0	3	0	2	0	7	65
112	14.0	Phascolion strombi		0	1	4	0	1	53	2	0	0	0	0	0	5	61
977	16.0	Axiothella sp		0	7	1	0	41	2	10	0	0	0	0	0	5	61
84	11.0	Nassarius acutus		0	0	1	0	1	57	0	0	0	0	0	0	3	59
171	7.0	Nematoda		0	0	56	0	0	0	0	3	0	0	0	0	2	59
580	1.0	Foraminifera		4	17	0	13	0	3	4	12	0	0	0	1	7	54
77	16.0	Mediomastus californiensis		1	0	2	1	1	5	4	2	36	1	0	0	9	53
658	16.0	Tharyx marioni		3	5	1	2	4	15	5	1	3	0	9	2	11	50
948	16.0	Notomastus daueri		0	0	0	0	4	40	0	0	0	5	0	0	3	49
1435	16.0	Linopherus sp.		0	0	42	0	0	0	4	0	0	3	0	0	3	49
233	26.0	Photis macromanus		47	0	0	0	0	0	0	0	0	0	0	0	1	47

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
89	16.0	<i>Nephtys incisa</i>	1	1	0	5	0	0	0	3	3	16	7	9	8	45
3	16.0	<i>Aglaophamus verrilli</i>	0	1	8	0	11	14	8	0	2	0	0	0	6	44
649	16.0	<i>Armandia maculata</i>	13	4	0	0	5	0	0	2	10	8	2	0	7	44
1406	16.0	<i>Nephtys simoni</i>	6	16	2	0	0	19	0	0	1	0	0	0	5	44
5	26.0	<i>Ampelisca abdita</i>	27	1	3	0	1	0	0	0	4	3	0	0	6	39
698	27.0	<i>Xenanthura brevitelson</i>	2	4	25	0	2	5	1	0	0	0	0	0	6	39
148	14.0	<i>Golfingia cf trichocephala</i>	0	0	0	3	0	1	30	1	1	0	0	0	5	36
459	12.0	<i>Chione grus</i>	0	0	0	0	36	0	0	0	0	0	0	0	1	36
476	28.0	<i>Cumacea sp</i>	23	1	1	1	5	0	0	0	2	0	0	0	6	33
1031	16.0	<i>Nereis falsa</i>	9	1	2	0	14	7	0	0	0	0	0	0	5	33
1263	16.0	<i>Axiothella sp A</i>	32	0	0	0	0	0	0	0	0	0	0	0	1	32
373	16.0	<i>Prionospio cirrobranchiata</i>	0	29	0	0	0	2	0	0	0	0	0	0	2	31
665	26.0	<i>Ampelisca verrilli</i>	17	0	0	0	0	0	0	0	13	0	0	0	2	30
34	6.0	<i>Cerebratulus lacteus</i> Leid	1	0	3	0	4	2	1	10	5	2	1	0	9	29
88	6.0	<i>Nemertea (white)</i>	4	0	6	0	5	2	5	0	4	1	2	0	8	29
959	16.0	<i>Goniada littorea</i>	2	0	0	0	18	2	0	0	7	0	0	0	4	29
920	16.0	<i>Aricidea simplex</i>	0	0	21	0	2	0	0	5	0	0	0	0	3	28
157	31.0	<i>Spiocarcinus lobatus</i>	0	0	0	0	5	0	0	0	20	1	0	0	3	26
1465	16.0	<i>Opisthodonta sp A (cf Vittor)</i>	0	0	26	0	0	0	0	0	0	0	0	0	1	26
91	16.0	<i>Nephtys picta</i>	6	0	0	0	19	0	0	0	0	0	0	0	2	25
1460	16.0	<i>Levinsenia gracilis</i>	0	2	20	0	0	0	0	0	0	3	0	0	3	25
78	16.0	<i>Melinna maculata</i>	0	0	24	0	0	0	0	0	0	0	0	0	1	24
588	26.0	<i>Unciola irrorata</i>	0	0	22	0	0	1	1	0	0	0	0	0	3	24
635	29.0	<i>Hargeria rapax</i>	24	0	0	0	0	0	0	0	0	0	0	0	1	24
1105	26.0	<i>Ampelisca (unid or frag)</i>	0	2	14	0	3	0	0	0	2	3	0	0	5	24

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1403	12.0	Mysella sp B (MMS)	0	0	0	0	0	0	0	24	0	0	0	0	1	24
213	12.0	Crassinella lunulata	10	0	0	0	2	11	0	0	0	0	0	0	3	23
1015	16.0	Ampharete sp a	22	0	0	0	1	0	0	0	0	0	0	0	2	23
1262	16.0	Mooreonuphis pallidula	2	3	5	0	5	6	0	0	1	0	0	0	6	22
1344	13.0	Laevidentarium callipeplum	3	0	0	0	0	8	1	2	4	0	3	1	7	22
1461	16.0	Opisthodonta cf sp B (cf Vitto	0	0	22	0	0	0	0	0	0	0	0	0	1	22
96	16.0	Notomastus hemipodus	0	0	1	0	0	9	2	0	0	0	9	0	4	21
202	12.0	Corbula (Varicorbula) oper	7	0	0	0	3	6	0	0	1	3	1	0	6	21
341	35.0	Ophiuroidea unid or fragment	0	0	5	0	5	9	0	0	1	1	0	0	5	21
468	11.0	Caecum imbricatum	15	1	0	0	4	0	0	0	0	0	0	0	3	20
1223	16.0	Tharyx cf. annulosus	1	4	9	0	0	2	1	0	0	0	2	1	7	20
129	16.0	Spiophanes bombyx	3	3	0	0	7	6	0	0	0	0	0	0	4	19
1241	16.0	Lumbrineris sp C	0	1	18	0	0	0	0	0	0	0	0	0	2	19
1411	16.0	Cirrophorus americanus	2	0	10	0	0	3	2	1	1	0	0	0	6	19
1455	16.0	Lumbrineris candida	19	0	0	0	0	0	0	0	0	0	0	0	1	19
979	16.0	Exogone dispar	2	0	5	1	6	3	1	0	0	0	0	0	6	18
1416	16.0	Polycirrus carolinensis	2	0	0	0	15	1	0	0	0	0	0	0	3	18
477	16.0	Eunice antennata	1	3	0	1	8	4	0	0	0	0	0	0	5	17
985	16.0	Tauberia reducta	0	3	0	0	0	2	0	0	0	12	0	0	3	17
1218	16.0	Euclymene sp B	0	0	0	0	2	12	3	0	0	0	0	0	3	17
1371	12.0	Tellina squamifera	0	0	0	0	5	11	1	0	0	0	0	0	3	17
1587	26.0	Phoxocephalidae, small eye (mm	17	0	0	0	0	0	0	0	0	0	0	0	1	17
676	16.0	Prionospio pygmaea	2	1	4	1	1	2	0	2	0	1	1	1	10	16
1127	16.0	Lumbrineris sp	5	3	0	0	0	0	2	0	6	0	0	0	4	16
1316	8.0	Bryozoan, cup shape	0	12	2	0	0	2	0	0	0	0	0	0	3	16

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1343	13.0	<i>Polyshides carolinensis</i>	7	3	0	0	3	3	0	0	0	0	0	0	4	16
1358	12.0	<i>Nucula ageensis</i>	0	1	1	0	0	4	3	0	5	2	0	0	6	16
1452	16.0	<i>Therochaeta</i> sp A (cf Vittor)	7	0	0	0	9	0	0	0	0	0	0	0	2	16
22	31.0	<i>Automate evermanni</i>	0	0	2	0	0	0	0	0	7	4	2	0	4	15
1044	16.0	<i>Euclymene</i> sp	0	1	1	0	0	6	7	0	0	0	0	0	4	15
1310	16.0	<i>Mastobranchus</i> cf. sp A	10	2	0	0	0	0	0	0	0	0	3	0	3	15
551	26.0	<i>Caprella</i> sp	13	0	1	0	0	0	0	0	0	0	0	0	2	14
1213	16.0	<i>Goniadella</i> sp A	0	0	0	3	0	0	0	1	0	6	3	1	5	14
27	16.0	<i>Asychis elongata</i>	2	0	6	0	2	0	0	0	1	0	2	0	5	13
85	11.0	<i>Natica pusilla</i>	2	2	0	0	5	3	0	1	0	0	0	0	5	13
179	16.0	<i>Tharyx setigera</i>	1	1	0	0	0	10	0	0	1	0	0	0	4	13
428	11.0	<i>Olivella dealbata</i>	3	0	1	0	7	2	0	0	0	0	0	0	4	13
1214	16.0	<i>Ninoe</i> sp B	0	0	0	0	0	0	2	4	0	5	2	0	4	13
1414	16.0	<i>Glycera</i> sp E (cf Vittor)	1	0	1	0	8	0	0	0	0	2	1	0	5	13
1523	28.0	Cumacea, frontal notch	13	0	0	0	0	0	0	0	0	0	0	0	1	13
1588	26.0	Amphipod, conical snout (mms)	0	13	0	0	0	0	0	0	0	0	0	0	1	13
243	14.0	<i>Aspidosiphon</i> cf speciosus	1	0	1	0	3	7	0	0	0	0	0	0	4	12
1242	16.0	<i>Lumbrineris latrielli</i>	0	0	12	0	0	0	0	0	0	0	0	0	1	12
1602	27.0	<i>Flabellifera</i>	0	0	12	0	0	0	0	0	0	0	0	0	1	12
97	16.0	<i>Notomastus latericeus</i>	0	0	3	0	0	1	4	0	1	2	0	0	5	11
125	16.0	<i>Sigambra tentaculata</i>	0	0	0	0	1	0	3	1	1	0	3	2	6	11
365	16.0	<i>Aricidea fragilis</i>	1	0	2	0	1	1	0	0	2	4	0	0	6	11
494	6.0	Nemertean	2	2	2	1	1	2	0	1	0	0	0	0	7	11
980	16.0	<i>Notomastus americanus</i>	0	0	3	0	0	7	0	0	1	0	0	0	3	11
1415	16.0	Ampharetidae genus B	4	0	4	0	0	1	2	0	0	0	0	0	4	11

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1436	16.0	Dorvillea sp A (cf Vittor)	0	0	11	0	0	0	0	0	0	0	0	0	1	11
1449	16.0	Eunice cf vittata	0	0	9	0	0	2	0	0	0	0	0	0	2	11
667	16.0	Prionospio cristata	1	0	0	0	9	0	0	0	0	0	0	0	2	10
1080	16.0	Cossura soyeri	0	0	0	1	0	0	1	1	2	1	3	1	7	10
1136	40.0	Branchiostoma	0	7	0	0	2	1	0	0	0	0	0	0	3	10
1388	12.0	Solemya occidentalis	0	0	0	0	0	10	0	0	0	0	0	0	1	10
10	11.0	Anachis obesa	3	0	0	0	6	0	0	0	0	0	0	0	2	9
103	28.0	Oxyurostylis salinoi	9	0	0	0	0	0	0	0	0	0	0	0	1	9
537	27.0	Isopoda unid	1	1	0	0	0	2	0	0	0	3	2	0	5	9
986	16.0	Cirrophorus lyra	4	0	0	0	0	0	0	2	0	0	3	0	3	9
1113	16.0	Ninoe sp. A	0	0	0	0	0	0	0	0	0	5	2	2	3	9
1364	11.0	Mysella sp A (MMS)	0	0	2	0	0	5	0	0	0	1	0	1	4	9
1440	16.0	Lumbrineris brevipes	0	0	2	1	0	0	1	0	2	3	0	0	5	9
1456	16.0	Fabriciella trilobata	3	0	6	0	0	0	0	0	0	0	0	0	2	9
1662	29.0	Tanaid sp. A (mms)	0	0	0	0	6	0	0	0	0	0	0	3	2	9
33	16	Ceratocephale oculata	0	1	0	0	3	0	2	0	0	0	2	0	4	8
106	11.0	Volvulella texasiana	0	0	0	0	0	0	0	0	0	5	3	0	2	8
155	16.0	Prionospio cirrifera	0	0	2	0	4	0	0	0	2	0	0	0	3	8
241	26.0	Monoculodes sp	1	1	0	0	1	2	0	0	3	0	0	0	5	8
320	16.0	Aricidea wassi	8	0	0	0	0	0	0	0	0	0	0	0	1	8
615	16.0	Amphictis scaphobranchiata	7	0	0	0	0	0	0	0	0	0	1	0	2	8
700	16.0	Aricidea frag and suecica	0	0	0	0	0	0	0	0	8	0	0	0	1	8
775	16.0	Gyptis brevipalpa	1	0	0	0	0	0	0	0	1	0	2	4	4	8
982	16.0	Marphysa sp b	0	0	0	0	0	0	8	0	0	0	0	0	1	8
1008	16.0	Paralacydonia paradoxa	0	0	0	3	0	0	1	4	0	0	0	0	3	8

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1047	16.0	Phyllococe arenae	1	0	2	0	2	2	0	0	1	0	0	0	5	8
1269	16.0	Spiophanes cf. wigley	0	0	5	0	0	1	2	0	0	0	0	0	3	8
1370	12.0	Lyonsia sp A (MMS)	0	0	0	0	4	2	0	0	2	0	0	0	3	8
1385	11.0	Gouldia cerina	0	0	0	0	5	3	0	0	0	0	0	0	2	8
1387	11.0	Mangelia sp A (MMS)	0	0	0	0	1	6	0	0	0	1	0	0	3	8
1408	16.0	Rhamphobanchium cf diversoset	0	1	0	0	3	2	1	0	0	0	0	1	5	8
1558	16.0	Myriochele sp. a (cf. vittor)	0	0	0	0	0	8	0	0	0	0	0	0	1	8
1603	37.0	Brissopsis alta	0	0	0	0	0	0	0	3	0	0	1	4	3	8
80	35.0	Micropholis atra	0	5	0	0	0	0	1	0	0	1	0	0	3	7
281	12.0	Linga amiantus	0	0	0	0	0	0	0	0	7	0	0	0	1	7
317	26.0	Phoxocephalidae	2	0	4	0	1	0	0	0	0	0	0	0	3	7
372	16.0	Megalomma bioculatum	7	0	0	0	0	0	0	0	0	0	0	0	1	7
393	16.0	Goniada teres	1	0	2	0	0	4	0	0	0	0	0	0	3	7
783	16.0	Prionospio steenstrupi	0	0	7	0	0	0	0	0	0	0	0	0	1	7
930	0.0	Tauberia gracilis	0	0	0	0	0	3	1	0	0	0	3	0	3	7
1010	16.0	Lumbrineris sp b	0	0	2	1	3	0	0	1	0	0	0	0	4	7
1322	23.0	Ostracoda X	5	0	1	0	1	0	0	0	0	0	0	0	3	7
1338	12.0	Crenella sp A (MMS)	7	0	0	0	0	0	0	0	0	0	0	0	1	7
1419	16.0	Odontosyllis enopla	1	1	0	0	1	4	0	0	0	0	0	0	4	7
1437	16.0	Euclymene sp A (cf Vittor)	0	0	5	0	2	0	0	0	0	0	0	0	2	7
1451	16.0	Glycera sp B (cf Vittor)	0	0	3	1	1	0	0	0	1	0	1	0	5	7
1454	16.0	Aricidea (Acmira) philbinae	1	0	0	0	0	4	0	2	0	0	0	0	3	7
1464	16.0	Sphaerosyllis piriferopsis	0	0	7	0	0	0	0	0	0	0	0	0	1	7
1485	16.0	Syllis (Typosyllis) sp D (cf V	0	0	0	0	7	0	0	0	0	0	0	0	1	7
1512	12.0	Astarte nana	0	1	0	0	1	5	0	0	0	0	0	0	3	7

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
153	16.0	Paleonotus heteroseta	0	0	6	0	0	0	0	0	0	0	0	0	1	6
581	11.0	Anachis avara	0	0	0	0	6	0	0	0	0	0	0	0	1	6
638	11.0	Nassaricus vibex	0	3	2	0	0	0	0	0	0	0	0	1	3	6
650	26.0	Ampelisca agassizi	5	0	0	0	1	0	0	0	0	0	0	0	2	6
1211	16.0	Decamastus sp A	0	0	4	0	0	2	0	0	0	0	0	0	2	6
1258	16.0	Owenia sp A	0	1	0	0	0	4	0	0	1	0	0	0	3	6
1288	14.0	Sipunculida	1	0	1	0	0	0	4	0	0	0	0	0	3	6
1337	12.0	Lucina sp A (MMS)	5	0	0	0	0	1	0	0	0	0	0	0	2	6
1431	16.0	Exogone atlantica	0	0	4	0	0	0	2	0	0	0	0	0	2	6
1434	16.0	Paraonis cf fulgens	0	0	6	0	0	0	0	0	0	0	0	0	1	6
1457	16.0	Amphicteis gunneri	2	0	0	0	0	4	0	0	0	0	0	0	2	6
1458	16.0	Apophryotrocha cf mutabiliseta	0	0	6	0	0	0	0	0	0	0	0	0	1	6
1466	16.0	Exogone cf lourei	0	0	6	0	0	0	0	0	0	0	0	0	1	6
1479	16.0	Rhynchobranchium atlanticum	1	0	0	0	5	0	0	0	0	0	0	0	2	6
1490	16.0	Arabella multidentata	0	0	0	0	0	6	0	0	0	0	0	0	1	6
1524	31.0	Calloides trispinosus	6	0	0	0	0	0	0	0	0	0	0	0	1	6
42	16.0	Diopatra cuprea	0	0	0	0	3	0	0	0	0	0	1	1	3	5
118	16.0	Spio pettiboneae	4	0	0	0	0	0	1	0	0	0	0	0	2	5
146	31.0	Euceramus praelongus	0	0	0	0	5	0	0	0	0	0	0	0	1	5
184	31.0	Decapoda (post larva)	0	0	5	0	0	0	0	0	0	0	0	0	1	5
288	12.0	Nucula proxima	0	0	1	0	0	0	1	0	3	0	0	0	3	5
433	12.0	Cardiomya ornatissima	0	0	1	0	1	1	0	0	1	0	1	0	5	5
538	16.0	Chone sp	0	2	2	0	0	0	0	0	0	0	1	0	3	5
576	16.0	Syllis gracilis	2	0	3	0	0	0	0	0	0	0	0	0	2	5
653	16.0	Aricidea cerrutii	0	0	4	0	1	0	0	0	0	0	0	0	2	5

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
734	6.0	Nemertea, long slen snout	0	1	1	0	0	1	0	2	0	0	0	0	4	5
888	16.0	Aricidea taylori	1	1	0	0	1	2	0	0	0	0	0	0	4	5
998	16.0	Diopatra tridentata	0	0	0	0	5	0	0	0	0	0	0	0	1	5
1011	16	Leiocapitella glabra	2	0	1	0	0	0	0	0	0	0	2	0	3	5
1019	16	Cirrophorus branchiatus	0	0	4	0	0	0	0	0	0	0	1	0	2	5
1226	16.0	Spiophares cf. missionensis	0	0	1	0	2	2	0	0	0	0	0	0	3	5
1243	16.0	Chaetozone sp A	0	0	1	0	0	1	1	1	0	1	0	0	5	5
1315	31.0	Albunea gibbesi	2	2	0	0	1	0	0	0	0	0	0	0	3	5
1342	12.0	Parvilucina blanda	5	0	0	0	0	0	0	0	0	0	0	0	1	5
1407	16.0	Diopatra neotridens	1	1	0	0	3	0	0	0	0	0	0	0	3	5
1421	16.0	Leiocapitella sp A (cf Vittor)	0	2	1	0	0	2	0	0	0	0	0	0	3	5
1438	16.0	Pseudoverticilla occidentalis	0	0	5	0	0	0	0	0	0	0	0	0	1	5
1459	16.0	Aricidea suecica	0	1	2	0	0	1	1	0	0	0	0	0	4	5
1472	16.0	Lumbrineris cf coccinea	0	0	5	0	0	0	0	0	0	0	0	0	1	5
1473	16.0	Sarsonuphis sp	0	0	0	5	0	0	0	0	0	0	0	0	1	5
1480	16.0	Chrysopetalum occidentale	0	0	0	0	4	0	0	0	0	0	1	0	2	5
1499	16.0	Magelona sp G (cf Vittor)	0	0	0	0	0	0	0	0	4	0	1	0	2	5
1586	26.0	Phoxocephalidae, large eye (mm)	4	1	0	0	0	0	0	0	0	0	0	0	2	5
50	16.0	Glycera americana	0	0	0	0	1	2	0	0	1	0	0	0	3	4
98	12.0	Nuculana acuta	0	0	0	0	0	0	0	0	0	0	0	4	1	4
324	31.0	Majidae	2	0	1	0	1	0	0	0	0	0	0	0	3	4
345	16.0	Poecilochaetus johnsoni	0	0	0	0	0	1	2	0	0	1	0	0	3	4
359	16.0	Tharyx sp	0	0	3	0	0	1	0	0	0	0	0	0	2	4
405	16.0	Ceratonereis irritabilis	2	0	0	0	2	0	0	0	0	0	0	0	2	4
458	16.0	Chloeia viridis	4	0	0	0	0	0	0	0	0	0	0	0	1	4

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
648	34.0	Holothuroidea	3	0	0	0	1	0	0	0	0	0	0	0	2	4
893	16.0	Goniada maculata	0	0	0	0	0	3	0	0	0	1	0	0	2	4
956	16.0	Schistomeringos cf pectinata	0	0	4	0	0	0	0	0	0	0	0	0	1	4
978	16.0	Podarke sp	3	0	0	0	0	1	0	0	0	0	0	0	2	4
1110	12.0	Chione intapurplea	4	0	0	0	0	0	0	0	0	0	0	0	1	4
1255	16.0	Glycera sp C (cf Vittor)	1	2	0	0	0	1	0	0	0	0	0	0	3	4
1330	27.0	Seriolis mgrayi	2	0	0	0	2	0	0	0	0	0	0	0	2	4
1335	12.0	Nuculana sp B (MMS)	0	0	0	0	0	0	0	0	0	0	0	4	1	4
1336	12.0	Verticardia ornata	4	0	0	0	0	0	0	0	0	0	0	0	1	4
1341	11.0	Niso aeglees	3	1	0	0	0	0	0	0	0	0	0	0	2	4
1377	11.0	Mangelia sp B (MMS)	0	0	0	0	4	0	0	0	0	0	0	0	1	4
1398	13.0	Cadulus (Gadita) sp A (MMS)	0	0	0	0	0	1	2	0	0	0	1	0	3	4
1401	12.0	Yoldia solenoides	0	0	0	0	0	0	0	2	0	0	0	2	2	4
1405	12.0	Yoldia lohrina	0	0	0	0	0	0	0	0	0	0	0	4	1	4
1412	16.0	Anaitides longipes	3	0	0	0	1	0	0	0	0	0	0	0	2	4
1425	16.0	Odontosyllis cf octodentata	3	1	0	0	0	0	0	0	0	0	0	0	2	4
1463	16.0	Brania sp A (cf Vittor)	0	0	4	0	0	0	0	0	0	0	0	0	1	4
1483	16.0	Aricidea lopezi	0	0	0	0	2	2	0	0	0	0	0	0	2	4
1489	16.0	Nothria sp	0	0	0	0	0	1	2	0	0	1	0	0	3	4
1492	16.0	Syllis (Typosyllis) cf lutea	0	0	0	0	0	4	0	0	0	0	0	0	1	4
1501	16.0	Lumbrineris tenuis	0	0	0	0	0	0	0	0	3	0	1	0	2	4
1596	27.0	Anthuridea	0	0	4	0	0	0	0	0	0	0	0	0	1	4
1597	2.0	Porifera	0	0	4	0	0	0	0	0	0	0	0	0	1	4
52	16.0	Glycera sp	2	0	0	0	0	0	1	0	0	0	0	0	2	3
166	11.0	Epitonium multistriatum	3	0	0	0	0	0	0	0	0	0	0	0	1	3

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
219	6.0	Nemertea (brown band)	0	0	3	0	0	0	0	0	0	0	0	0	1	3
292	16.0	Dispio uncinata	0	1	0	0	0	1	0	1	0	0	0	0	3	3
369	16.0	Microspio pigmentata	0	0	0	2	0	0	0	0	1	0	0	0	2	3
378	11.0	Crepidula fornicata	0	0	0	0	3	0	0	0	0	0	0	0	1	3
387	31.0	Alpheus floridanus	0	0	0	0	0	0	0	0	0	2	0	1	2	3
422	23.0	Ostracoda j	2	0	0	0	0	0	0	0	1	0	0	0	2	3
434	12.0	Atrina sp	0	0	0	0	1	0	0	0	2	0	0	0	2	3
460	24.0	Nebalia sp	2	0	0	0	1	0	0	0	0	0	0	0	2	3
484	16.0	Sabellidae	0	0	0	0	1	0	2	0	0	0	0	0	2	3
548	12.0	Tellina aequistriata	0	0	0	0	3	0	0	0	0	0	0	0	1	3
652	16.0	Paraonidae	2	0	0	0	1	0	0	0	0	0	0	0	2	3
674	35.0	Ophiuroidea, arm fragment	0	0	0	0	0	0	2	0	0	0	0	1	2	3
744	16.0	Lysidice ninetta	0	0	3	0	0	0	0	0	0	0	0	0	1	3
788	16.0	Leitoscoloplos robustus	0	1	0	0	1	0	1	0	0	0	0	0	3	3
925	30.0	Mysidacea frag or unid	2	1	0	0	0	0	0	0	0	0	0	0	2	3
929	31.0	Alpheopsis harperi	0	0	0	0	0	0	0	0	0	3	0	0	1	3
1220	16.0	Decamastus cf. gracilis	0	1	0	0	0	1	0	0	0	0	1	0	3	3
1225	16.0	Sarsonuphis hartmanae	0	0	0	1	0	0	2	0	0	0	0	0	2	3
1260	16.0	Caulleriella cf. zelandica	0	2	0	0	0	0	0	0	0	1	0	0	2	3
1324	27.0	Cirolana parva	0	0	1	0	0	0	0	1	0	0	0	1	3	3
1326	10.0	Brachiopod A (MMS)	0	1	2	0	0	0	0	0	0	0	0	0	2	3
1339	11.0	Turbonilla sp A (MMS)	2	0	0	0	1	0	0	0	0	0	0	0	2	3
1352	11.0	Turbonilla sp B (MMS)	1	0	0	0	0	0	0	0	2	0	0	0	2	3
1360	12.0	Semelidae	0	0	3	0	0	0	0	0	0	0	0	0	1	3
1378	11.0	Sinum minor	0	0	0	0	1	2	0	0	0	0	0	0	2	3

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1402	10.1	Falcidens sp A (MMS)	0	0	0	0	0	0	0	1	0	0	0	2	2	3
1423	16.0	Glycera sp D (cf Vittor)	0	2	0	0	1	0	0	0	0	0	0	0	2	3
1424	16.0	Trypanosyllis sp	0	3	0	0	0	0	0	0	0	0	0	0	1	3
1432	16.0	Syllis (Typosyllis) sp G (cf V	0	0	3	0	0	0	0	0	0	0	0	0	1	3
1443	16.0	Notocirrus sp	0	0	1	0	0	2	0	0	0	0	0	0	2	3
1447	16.0	Glycera papillosa	0	0	3	0	0	0	0	0	0	0	0	0	1	3
1467	16.0	Podarke cf obscura	0	0	1	0	2	0	0	0	0	0	0	0	2	3
1476	16.0	Arididea (Acmira) sp D (cf Vit	0	3	0	0	0	0	0	0	0	0	0	0	1	3
1481	16.0	Owenia sp	0	0	0	0	3	0	0	0	0	0	0	0	1	3
1509	16.0	Leanira cf alba	0	0	0	0	0	0	0	0	0	0	0	3	1	3
1663	28.0	Cumacea, dorsal carinal spine	3	0	0	0	0	0	0	0	0	0	0	0	1	3
1672	27.0	Gnathia sp.	0	0	3	0	0	0	0	0	0	0	0	0	1	3
1695	14.0	Aspidosiphon sp. (mms)	0	0	0	0	0	0	3	0	0	0	0	0	1	3
1746	28.0	Cumacea AA (mms)	3	0	0	0	0	0	0	0	0	0	0	0	1	3
1749	42.0	Muddy Starburst	0	0	0	0	0	3	0	0	0	0	0	0	1	3
63	16.0	Lepidonotus sublevis	0	0	0	0	2	0	0	0	0	0	0	0	1	2
99	12.0	Nuculana concentrica	0	0	0	0	0	2	0	0	0	0	0	0	1	2
110	16.0	Pectinaria gouldii	0	0	0	0	1	0	0	0	0	1	0	0	2	2
113	9.0	Phoronis architecta	0	1	0	0	1	0	0	0	0	0	0	0	2	2
116	31.0	Pinnixa sp (frag or unid)	0	0	0	0	2	0	0	0	0	0	0	0	1	2
144	12.0	Corbula barrattiana	0	0	1	0	1	0	0	0	0	0	0	0	2	2
151	16.0	Malacoceros vanderhorsti	1	0	0	0	0	0	0	0	1	0	0	0	2	2
169	4.0	Anemone un id	0	0	1	0	0	0	0	0	0	0	0	1	2	2
176	31.0	Portunidae	2	0	0	0	0	0	0	0	0	0	0	0	1	2
269	16.0	Terebellides stroemi	0	0	2	0	0	0	0	0	0	0	0	0	1	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
271	10.0	Glottidia pyramidata	0	1	0	0	0	0	0	0	1	0	0	0	2	2
272	12.0	Mytilidae	0	0	1	0	1	0	0	0	0	0	0	0	2	2
279	23.0	Ostracoda c	0	0	0	0	0	0	2	0	0	0	0	0	1	2
344	31.0	Micropanope nuttingi	0	0	0	0	0	0	0	2	0	0	0	0	1	2
565	12.0	Semele bellastrata	0	0	0	0	2	0	0	0	0	0	0	0	1	2
621	16.0	Ophelina cylindricaudata	0	2	0	0	0	0	0	0	0	0	0	0	1	2
669	16.0	Prionospio fallax	1	0	0	0	0	0	0	0	1	0	0	0	2	2
708	12.0	Tellina sp	0	0	0	0	0	2	0	0	0	0	0	0	1	2
728	26.0	Haustoriidae	2	0	0	0	0	0	0	0	0	0	0	0	1	2
830	34.0	Protankyra benedeni (Lud)	0	0	0	0	0	0	0	2	0	0	0	0	1	2
940	16.0	Harmothoe extenuata	0	0	0	0	0	2	0	0	0	0	0	0	1	2
989	16.0	Marphysa sp a	0	1	0	0	1	0	0	0	0	0	0	0	2	2
992	16.0	Aricidea quadrilobata	0	0	0	0	0	0	0	0	0	2	0	0	1	2
1001	16.0	Harmothoe imbricata	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1060	6.0	Nemertea, 2 yellow bands	0	0	0	0	1	0	0	1	0	0	0	0	2	2
1124	16.0	Spiochaetopterus costarum	0	0	0	0	0	2	0	0	0	0	0	0	1	2
1133	16.0	Lumbrinerides	0	0	0	0	0	0	0	0	0	2	0	0	1	2
1209	16.0	Magelona sp I (cf Vittor)	0	0	0	0	0	0	0	0	2	0	0	0	1	2
1244	16.0	Maldane sp	0	0	0	0	0	0	0	0	1	0	1	0	2	2
1253	16.0	Harmothoe sp B	0	0	1	0	0	1	0	0	0	0	0	0	2	2
1268	16.0	Notomastus lobatus	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1305	16.0	Chaetozone sp D	0	0	0	0	0	2	0	0	0	0	0	0	1	2
1331	31.0	Elthusia mascarone	0	0	0	0	1	0	0	0	0	0	0	1	2	2
1332	31.0	Alpheopsis sp (MMS)	0	0	0	0	0	0	0	0	1	1	0	0	2	2
1346	11.0	Epitonium sp	2	0	0	0	0	0	0	0	0	0	0	0	1	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1347	13.0	Anaitides bartletti	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1350	12.0	Mactra sp A (MMS)	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1356	11.0	Kurtziella sp A (MMS)	0	1	0	0	1	0	0	0	0	0	0	0	2	2
1359	12.0	Limosis sulcata	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1363	11.0	Opalia sp A (MMS)	0	0	1	0	1	0	0	0	0	0	0	0	2	2
1365	12.0	Arcopsis adamsi	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1373	12.0	Nemocardium perambile	0	0	0	0	1	1	0	0	0	0	0	0	2	2
1374	12.0	Parvilucina blanda	0	0	0	0	1	1	0	0	0	0	0	0	2	2
1375	12.0	Anadara sp A (MMS)	0	0	0	0	2	0	0	0	0	0	0	0	1	2
1376	12.0	Vesicomya (?) sp	0	0	0	0	2	0	0	0	0	0	0	0	1	2
1413	16.0	Glycera sp A (cf Vittor)	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1429	16.0	Apomatus sp A (cf Vittor)	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1430	16.0	Fabricia sp A (cf Vittor)	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1433	16.0	Caulierella cf alata	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1444	16.0	Meiodorvillea sp	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1445	16.0	Ophelia cf acuminata	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1448	16.0	Caulierella sp B (cf Vittor)	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1469	16.0	Glycera sphyrabrancha	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1474	16.0	Orbinia americana	0	0	0	2	0	0	0	0	0	0	0	0	1	2
1475	16.0	Perolepis sp	0	0	1	1	0	0	0	0	0	0	0	0	2	2
1484	16.0	Aricidea sp C (cf Vittor)	1	0	0	0	1	0	0	0	0	0	0	0	2	2
1496	16.0	Arididea (Allia) alisdairi	0	0	0	0	0	0	2	0	0	0	0	0	1	2
1497	16.0	Levensenia reducta	0	0	0	0	0	0	1	0	0	1	0	0	2	2
1502	16.0	Scoletepis texana	0	0	0	0	0	0	0	0	2	0	0	0	1	2
1503	16.0	Anaitides maderiensis	0	0	0	0	0	0	0	0	0	1	1	0	2	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1507	16.0	Sthenelais sp A (cf Vittor)	0	0	0	0	0	0	0	0	0	0	0	2	1	2
1515	23.0	Ostracoda AA	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1517	23.0	Ostracoda CC	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1518	23.0	Ostracoda DD	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1743	37.0	Brissopsis alta bas elongati	0	0	0	0	0	0	0	1	0	0	0	1	2	2
1748	31.0	Parthenopidae	2	0	0	0	0	0	0	0	0	0	0	0	1	2
4	31.0	Albunea paretii	0	0	0	0	1	0	0	0	0	0	0	0	1	1
11	12.0	Anadara transversa	0	0	0	0	1	0	0	0	0	0	0	0	1	1
21	23.0	Ostracoda f	1	0	0	0	0	0	0	0	0	0	0	0	1	1
37	16.0	Clymenella torquata	0	0	0	0	0	0	1	0	0	0	0	0	1	1
64	31.0	Lepidopa benedicti	0	1	0	0	0	0	0	0	0	0	0	0	1	1
86	6.0	Nemertea (yellow banded)	1	0	0	0	0	0	0	0	0	0	0	0	1	1
92	16.0	Nereis succinea	0	0	0	0	0	0	0	0	0	0	1	0	1	1
122	16.0	Scoloplos rubra	1	0	0	0	0	0	0	0	0	0	0	0	1	1
126	16.0	Sigambra wassi	0	0	0	0	0	0	0	0	0	0	0	1	1	1
132	16.0	Streblospio benedicti	0	0	1	0	0	0	0	0	0	0	0	0	1	1
138	15.0	Thalassema hartmani	0	0	1	0	0	0	0	0	0	0	0	0	1	1
147	16.0	Flabelligeridae sp	1	0	0	0	0	0	0	0	0	0	0	0	1	1
149	21.0	Harpacticoida	0	0	0	0	0	1	0	0	0	0	0	0	1	1
159	5.0	Stylochus ellipticus	0	0	0	0	1	0	0	0	0	0	0	0	1	1
188	16.0	Drilonereis longa	0	0	0	0	0	0	0	0	0	1	0	0	1	1
194	31.0	Callianassa sp	0	0	0	0	0	0	1	0	0	0	0	0	1	1
206	16.0	Schistomerings rudolphi	0	0	0	0	0	0	0	1	0	0	0	0	1	1
222	31.0	Raninoides louisianensis Rath	0	0	0	0	0	0	0	0	0	0	1	0	1	1
238	16.0	Aricidea sp	0	0	0	0	0	0	0	0	0	1	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
262	16.0	Pista sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
263	16.0	Syllidae sp	1	0	0	0	0	0	0	0	0	0	0	0	1	1
266	12.0	Diplodonta sp	0	0	0	0	0	1	0	0	0	0	0	0	1	1
268	12.0	Chione sp	1	0	0	0	0	0	0	0	0	0	0	0	1	1
284	16.0	Prionospio sp	0	0	0	0	0	0	0	0	1	0	0	0	1	1
306	23.0	Ostracoda i	0	0	0	0	0	1	0	0	0	0	0	0	1	1
312	16.0	Leitoscoloplos fragilis	1	0	0	0	0	0	0	0	0	0	0	0	1	1
349	16.0	Maldanidae	1	0	0	0	0	0	0	0	0	0	0	0	1	1
358	16.0	Clymenella sp, fragment	0	0	0	0	0	1	0	0	0	0	0	0	1	1
384	16.0	Eumida sanguinez	0	0	0	0	1	0	0	0	0	0	0	0	1	1
436	16.0	Nereidae unid or frag	1	0	0	0	0	0	0	0	0	0	0	0	1	1
515	11.0	Turbonilla sp	0	0	0	0	0	0	0	0	1	0	0	0	1	1
523	12.0	Strigilla mirabilis	1	0	0	0	0	0	0	0	0	0	0	0	1	1
528	16.0	Paranaitis speciosa	1	0	0	0	0	0	0	0	0	0	0	0	1	1
540	26.0	Lembos brunneomaculata mac	0	0	0	0	0	0	0	0	1	0	0	0	1	1
609	37.0	Echinoidea	0	0	1	0	0	0	0	0	0	0	0	0	1	1
619	16.0	Anaitides mucosa	0	0	1	0	0	0	0	0	0	0	0	0	1	1
622	16.0	Autolytus sp	0	0	0	0	1	0	0	0	0	0	0	0	1	1
633	16.0	Hobsonia florida	0	0	0	0	0	0	0	0	0	1	0	0	1	1
656	16.0	Capitellidae (frag or unid)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
664	25.0	Squilla sp	0	0	0	0	0	1	0	0	0	0	0	0	1	1
666	31.0	Leptochela bermudensis	1	0	0	0	0	0	0	0	0	0	0	0	1	1
671	16.0	Amphinomidae	0	0	0	0	0	0	1	0	0	0	0	0	1	1
725	34.0	Cucumariidae	0	0	1	0	0	0	0	0	0	0	0	0	1	1
746	16.0	Ophioglycera sp	0	0	0	0	0	1	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
762	36.0	Astropecten sp	0	1	0	0	0	0	0	0	0	0	0	0	1	1
864	31.0	Leptochela sp	0	1	0	0	0	0	0	0	0	0	0	0	1	1
870	16.0	Sabella melanostigma	0	0	1	0	0	0	0	0	0	0	0	0	1	1
880	26.0	Oediceratidae	1	0	0	0	0	0	0	0	0	0	0	0	1	1
931	11.0	Mitrella lunata	0	0	0	0	1	0	0	0	0	0	0	0	1	1
933	16.0	Anaitides cf mucosa	0	0	0	0	0	0	1	0	0	0	0	0	1	1
937	4.0	Pennatulacea	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1017	16.0	Goniada norvegica	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1104	16.0	Schistomeringos cf rudolphi	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1121	5.0	Stylochus sp.	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1192	16.0	Cirriformia sp	0	0	0	0	0	0	0	1	0	0	0	0	1	1
1208	16.0	Tauberia oligobranchiata	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1212	16.0	Glycera sp F	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1224	16.0	Kinbergonuphis sp A	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1229	16.0	Notomastus tenuis	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1230	16.0	Sthenelanelia sp A	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1232	16.0	Aricidea cf. pseudoarticulata	0	0	0	0	0	0	0	1	0	0	0	0	1	1
1240	16.0	Cossura sp A	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1247	16.0	Phylo felix	0	0	0	0	0	0	0	1	0	0	0	0	1	1
1249	16.0	Magelona sp L (cf Vittor)	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1250	0.0	Sthenelanelia sp A	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1285	0.0	Bryozoan col.	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1314	28.0	Tropedotea lyonsi	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1321	23.0	Ostracoda W	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1323	23.0	Ostracoda Y	0	0	1	0	0	0	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1325	36.0	Luidia clathrata	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1327	29.0	Tanaid cf. Hargeria	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1328	27.0	Arcturidae	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1333	12.0	Nucula sp A (MMS)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1340	11.0	Cereodrilla sp A (MMS)	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1345	12.0	Mysella sp	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1348	12.0	Thyasira trisinuata	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1349	12.0	Pandora bushiana	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1351	11.0	Caecum pulchellum	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1353	11.0	Kurtziella limonitella	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1354	11.0	Strombiformis hemphilli	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1355	13.0	Cadulus transitorius	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1357	11.0	Olivella sp A (MMS)	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1362	12.0	Anadara sp B (MMS)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1366	12.0	Lucina radians	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1369	12.0	Cardiomya sp	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1372	13.0	Laevidentaliidae	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1379	11.0	Opalina sp B (MMS)	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1380	11.0	Crepidula convexa	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1381	11.0	Cylichnella bidentata	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1382	11.0	Urosalpinx tampaensis	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1383	10.2	Chaetopleura sp A (MMS)	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1384	10.2	Polyplacophora	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1386	11.0	Crassispira sp	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1389	12.0	Verticardia ornata	0	0	0	0	0	1	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1390	12.0	Pythinella cuneata	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1391	12.0	Lucina sp B (MMS)	0	0	0	0	0	0	0	1	0	0	0	0	1	1
1392	11.0	Eucrassatella speciosa	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1393	11.0	Agatris agassizi	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1394	11.0	Ceriodrilla sp A (MMS)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1395	11.0	Calliostoma yucatecanum	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1396	12.0	Lyonsia sp B (MMS)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1397	12.0	Mangelia sp C (MMS)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1399	12.0	Nuculana carpenteri	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1400	11.0	Nassarius sp A (MMS)	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1404	12.0	Lucina bellastriata	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1409	16.0	Nothria sp. A (cf Vittor)	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1410	16.0	Magelona sp B (cf Vittor)	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1417	16.0	Euclymene sp A (cf Vittor)	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1418	16.0	Hesionidae genus A	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1420	16.0	Hesionella elongata	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1422	16.0	Grubeulepis mexicana	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1426	16.0	Mystides cf borealis	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1427	16.0	Paleonotus sp A (cf Vittor)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1428	16.0	Lacydonia mirabilis	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1439	16.0	Dorvilleidae	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1441	16.0	Lumbrineriopsis paradoxa	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1442	16.0	Motomastus sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1446	16.0	Protomystides bidentata	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1450	16.0	Euphrosine sp A (cf Vittor)	0	0	1	0	0	0	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1462	16.0	Syllis (Ehlersia) sp A (cf Vit	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1468	16.0	Prionosyllis cf sp B (cf Vitto	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1470	16.0	Drilonereis sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1471	16.0	Lumbrineris cf inflata	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1477	16.0	Aonides paucibranchiata	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1478	16.0	Polycirrus cf denticulatus	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1482	16.0	Diopatra papillata	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1486	16.0	Polycirrus eximius dubius	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1487	16.0	Mesochaetopterus sp	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1488	16.0	Caulleriella sp A (cf Vittor)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1491	16.0	Opisthosyllis sp A (cf Vittor)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1493	16.0	Syllides floridanus	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1494	16.0	Lumbrinerides cf acuta	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1495	16.0	Aonides cf mayaguezensis	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1498	16.0	Aglaophamus circinata	0	0	0	0	0	0	0	1	0	0	0	0	1	1
1500	16.0	Asychis sp	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1504	16.0	Magelona sp C (cf Vittor)	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1505	16.0	Stenolepis sp A (cf Vittor)	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1506	16.0	Notomastus lineatus	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1508	16.0	Naiades sp	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1510	16.0	Eurythoe cf complanata	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1511	16.0	Sigalion sp	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1521	23.0	Ostracoda GG	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1522	23.0	Ostracoda HH	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1589	31.0	Leptochela papulata	0	0	0	0	0	1	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1707	15.0	Echiuroidea (mms)	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1741	37.0	Brissopsis attantis	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1742	37.0	Brissopsis attantis vas elonga	0	0	0	0	0	0	0	1	0	0	0	0	1	1
1744	29.0	Tamardacea	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1745	16.0	Spioniform - projecting acicul	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1747	23.0	Ostracoda II	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1750	31.0	Ranilie Musicata	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Total			1353	325	802	63	852	950	263	304	390	170	131	98	1048	5701

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun	
649	16.0	Armandia maculata	16	51	9	5	43	11	2	1	3	8	3	1354	12	1506	
667	16.0	Prionospio cristata	32	245	14	0	55	1	0	0	224	0	0	0	6	571	
66	16.0	Lumbrineris verrilli	Perk	38	0	1	0	55	23	1	2	199	7	2	55	10	383
120	16.0	Paraprionospio pinnata		10	41	18	3	6	19	24	24	85	9	19	30	12	288
1316	8.0	Bryozoan, cup shape		21	57	6	0	185	1	0	0	0	0	0	5	270	
77	16.0	Mediomastus californiensis		9	1	4	1	62	1	21	0	141	0	3	0	9	243
263	16.0	Syllidae sp		9	37	97	2	58	22	0	0	1	0	2	0	8	228
133	12.0	Tellina versicolor		53	72	1	0	30	12	0	0	36	8	5	0	8	217
129	16.0	Spiophanes bombyx		99	19	0	0	74	11	0	0	2	0	0	0	5	205
992	16.0	Aricidea quadrilobata		48	11	1	0	0	0	1	0	132	0	0	0	5	193
171	7.0	Nematoda		15	19	86	0	37	5	0	0	0	5	1	0	7	168
198	26.0	Amphipoda, un id		9	17	72	1	10	27	2	0	8	4	2	2	11	154
93	16.0	Nereis micromma	Harp	1	0	3	0	6	11	0	0	116	4	8	0	7	149
5	26.0	Ampelisca abdita		4	8	6	0	1	2	0	0	118	6	2	0	8	147
1015	16.0	Ampharete sp a		16	2	63	0	8	34	0	0	8	1	0	0	7	132
164	31.0	Paguridae		1	5	12	0	13	82	1	0	0	0	0	0	6	114
580	1.0	Foraminifera		0	13	6	34	0	0	2	32	1	3	8	0	8	99
1235	16.0	Lumbrineris sp D		42	0	50	0	2	0	0	0	4	0	0	0	4	98
285	16.0	Laonice cirrata		3	6	53	0	11	13	9	0	1	0	0	0	7	96
150	31.0	Isocheles wurdemanni		0	0	0	0	93	0	0	0	0	0	0	0	1	93
345	16.0	Poecilochaetus johnsoni		0	71	2	0	8	8	1	0	1	0	0	0	6	91
758	30.0	Mysidopsis bigelowi		0	0	0	0	0	0	0	0	90	0	0	0	1	90
1258	16.0	Owenia sp A		10	1	1	0	26	7	0	0	42	0	0	0	6	87
1483	16.0	Aricidea lopezi		1	58	1	0	0	0	0	0	25	0	0	0	4	85
91	16.0	Nephtys picta		37	0	1	0	45	0	0	0	0	0	0	0	3	83

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
373	16.0	<i>Prionospio cirrobranchiata</i>	0	72	5	0	3	0	0	0	2	0	1	0	5	83
1587	26.0	Phoxocephalidae, small eye (mm)	0	66	13	0	4	0	0	0	0	0	0	0	3	83
986	16.0	<i>Cirrophorus lyra</i>	9	0	21	0	39	9	0	1	0	1	2	0	7	82
1136	40.0	<i>Branchiostoma</i>	24	17	0	0	39	0	0	0	1	0	0	0	4	81
241	26.0	<i>Monoculodes</i> sp	1	17	6	1	0	0	0	0	52	0	1	0	6	78
1358	12.0	<i>Nucula ageensis</i>	0	0	0	0	16	3	38	0	13	0	0	0	4	70
89	16.0	<i>Nephtys incisa</i>	0	0	1	11	0	0	0	5	12	14	15	11	7	69
155	16.0	<i>Prionospio cirrifera</i>	2	10	7	0	13	4	0	0	31	0	0	0	6	67
1411	16.0	<i>Cirrophorus americanus</i>	2	2	2	0	57	0	2	0	0	2	0	0	6	67
1573	16.0	<i>Melinna cristata</i>	5	0	58	0	2	0	0	0	0	0	0	0	3	65
1312	8.0	<i>Cupuladria</i> sp (MMS)	8	2	13	1	39	1	0	0	0	0	0	0	6	64
3	16.0	<i>Aglaophamus verrilli</i>	0	0	27	0	3	8	12	0	5	0	0	0	5	55
34	6.0	<i>Cerebratulus lacteus</i> Leid	10	0	3	2	4	1	1	2	11	6	15	0	10	55
1449	16.0	<i>Eunice</i> cf <i>vittata</i>	0	1	17	0	34	2	0	0	0	0	0	0	4	54
153	16.0	<i>Paleonotus heteroseta</i>	1	0	9	0	43	0	0	0	0	0	0	0	3	53
1334	12.0	<i>Nuculana</i> sp A (MMS)	0	0	0	0	0	30	11	0	0	4	2	2	5	49
405	16.0	<i>Ceratonereis irritabilis</i>	1	0	0	0	42	5	0	0	0	0	0	0	3	48
1460	16.0	<i>Levinsenia gracilis</i>	3	8	23	0	0	0	2	0	8	2	2	0	7	48
42	16.0	<i>Diopatra cuprea</i>	0	0	0	0	6	4	1	0	31	2	3	0	6	47
84	11.0	<i>Nassarius acutus</i>	0	0	0	0	0	45	0	0	0	0	0	0	1	45
665	26.0	<i>Ampelisca verrilli</i>	13	5	1	4	1	0	0	0	21	0	0	0	6	45
920	16.0	<i>Aricidea simplex</i>	0	0	40	0	0	0	1	2	0	0	2	0	4	45
27	16.0	<i>Asychis elongata</i>	0	0	3	1	0	0	1	0	38	0	1	0	5	44
1344	13.0	<i>Laevidentalium callipeplum</i>	5	1	0	0	0	7	10	0	6	4	7	1	8	41
341	35.0	<i>Ophiuroidea</i> unid or fragment	0	5	1	1	5	11	6	1	5	2	3	0	10	40

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33	16.0	Ceratocephale oculata	3	16	1	0	1	4	1	0	11	0	2	0	8	39
88	6.0	Nemertea (white)	13	1	0	3	4	0	2	0	12	1	3	0	8	39
786	16.0	Aricidea catherinea	5	0	0	0	0	0	0	0	34	0	0	0	2	39
1533	16.0	Pseudeurythoe sp.	0	0	23	0	0	0	5	0	0	5	6	0	4	39
1586	26.0	Phoxocephalidae, large eye (mm)	21	10	7	0	1	0	0	0	0	0	0	0	4	39
1406	16.0	Nephtys simoni	1	31	0	0	4	0	0	0	0	0	0	0	3	36
1300	12.0	Abra lioica	1	0	0	0	1	0	26	0	2	0	5	0	5	35
588	26.0	Unciola irrorata	1	4	27	0	0	0	0	0	1	0	0	0	4	33
1626	12.0	Cummingia tellinoides	0	33	0	0	0	0	0	0	0	0	0	0	1	33
96	16.0	Notomastus hemipodus	0	4	1	0	0	6	0	0	0	0	19	0	4	30
1286	14.0	Golfingia	0	0	0	3	0	0	26	0	0	0	0	0	2	29
187	12.0	Bivalvia unid	0	0	11	0	9	1	0	1	3	0	1	2	7	28
213	12.0	Crassinella lunulata	15	2	0	0	10	1	0	0	0	0	0	0	4	28
233	26.0	Photis macromanus	1	0	0	0	0	0	0	0	26	0	0	0	2	27
537	27.0	Isopoda unid	1	4	0	2	3	1	5	0	0	1	3	6	9	26
669	16.0	Prionospio fallax	0	4	1	0	0	1	1	1	18	0	0	0	6	26
1214	16.0	Ninoe sp B	0	0	0	0	0	0	0	2	1	10	6	7	5	26
1621	12.0	Semele nucloides	16	2	2	0	4	1	1	0	0	0	0	0	6	26
257	0.0	Mytilidae	2	0	0	0	0	23	0	0	0	0	0	0	2	25
1251	16.0	Mooreonuphis cf. nebulosa	0	1	6	0	4	1	12	0	0	0	1	0	6	25
1269	16.0	Spiophanes cf. wigley	0	0	22	0	0	0	1	0	0	0	2	0	3	25
1588	26.0	Amphipod, conical snout (mms)	23	0	0	0	0	0	0	0	0	0	0	0	1	23
284	16.0	Prionospio sp	0	6	4	0	0	3	3	0	3	0	3	0	6	22
476	28.0	Cumacea sp	3	7	5	0	0	1	0	0	6	0	0	0	5	22
968	16.0	Ampharete cf parvidentata	1	0	0	0	0	5	0	0	16	0	0	0	3	22

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1080	16.0	<i>Cossura soyeri</i>	0	0	0	0	0	0	1	0	16	2	0	3	4	22
1518	23.0	Ostracoda DD	0	13	8	0	0	0	0	0	0	0	0	0	2	21
147	16.0	Flabelligeridae sp	0	0	20	0	0	0	0	0	0	0	0	0	1	20
1538	16.0	<i>Polygordius</i> sp.	4	4	4	0	8	0	0	0	0	0	0	0	4	20
71	12.0	<i>Macoma tenta</i>	0	0	0	0	0	8	6	0	1	0	4	0	4	19
74	16.0	<i>Magelona</i> sp H (cf vittor)	0	0	0	0	0	0	0	0	17	0	2	0	2	19
97	16.0	<i>Notomastus latericeus</i>	0	0	1	0	0	9	3	0	0	0	6	0	4	19
1226	16.0	<i>Spiophares</i> cf. <i>missionensis</i>	0	9	5	0	1	0	0	0	2	2	0	0	5	19
243	14.0	<i>Aspidosiphon</i> cf <i>speciosus</i>	2	0	4	0	5	2	5	0	0	0	0	0	5	18
686	12.0	<i>Tellidora cristata</i>	18	0	0	0	0	0	0	0	0	0	0	0	1	18
982	16.0	<i>Marphysa</i> sp b	0	0	0	0	0	0	13	0	0	0	5	0	2	18
1385	11.0	<i>Gouldia cerina</i>	8	3	0	0	5	1	0	0	0	0	1	0	5	18
1477	16.0	<i>Aonides paucibranchiata</i>	0	3	0	0	15	0	0	0	0	0	0	0	2	18
656	16.0	Capitellidae (frag or unid)	0	0	17	0	0	0	0	0	0	0	0	0	1	17
1010	16.0	<i>Lumbrineris</i> sp b	0	0	8	0	1	0	7	0	0	0	1	0	4	17
650	26.0	<i>Ampelisca agassizi</i>	2	0	1	0	0	3	0	0	3	2	5	0	6	16
86	6.0	Nemertea (yellow banded)	1	1	1	0	6	0	1	0	2	0	1	2	8	15
98	12.0	<i>Nuculana acuta</i>	0	0	0	0	6	0	7	0	0	0	0	2	3	15
103	28.0	<i>Oxyurostylis salinoi</i>	0	0	0	0	0	0	0	0	14	0	1	0	2	15
369	16.0	<i>Microspio pigmentata</i>	0	0	1	0	1	0	0	0	13	0	0	0	3	15
783	16.0	<i>Prionospio steenstrupi</i>	0	1	8	0	0	4	0	0	2	0	0	0	4	15
1019	16.0	<i>Cirrophorus branchiatus</i>	4	4	5	0	1	0	0	0	0	0	1	0	5	15
1237	16.0	<i>Aricidea</i> (Acmira) <i>pseudearticu</i>	13	1	0	0	0	0	1	0	0	0	0	0	3	15
1324	27.0	<i>Cirolana parva</i>	0	0	14	0	0	0	0	1	0	0	0	0	2	15
1459	16.0	<i>Aricidea suecica</i>	0	8	5	0	0	1	0	0	1	0	0	0	4	15

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1759	16.0	Polycirrus plumosus	2	6	0	0	7	0	0	0	0	0	0	0	3	15
1761	16.0	Aedicira Sp	4	2	2	0	0	0	0	0	7	0	0	0	4	15
144	12.0	Corbula barrattiana	0	0	0	0	0	0	0	0	0	14	0	0	1	14
323	26.0	Corophium sp	1	0	0	0	0	0	0	11	1	1	0	0	4	14
365	16.0	Aricidea fragilis	0	5	2	0	0	0	0	0	7	0	0	0	3	14
674	35.0	Ophiuroidea, arm fragment	0	0	3	1	2	0	0	0	7	0	1	0	5	14
1596	27.0	Anthuridea	0	1	12	0	1	0	0	0	0	0	0	0	3	14
1625	12.0	Pectinidae	0	8	0	0	0	6	0	0	0	0	0	0	2	14
215	16.0	Polynoidae	0	0	1	0	10	0	1	0	1	0	0	0	4	13
977	16.0	Axiothella sp	8	3	2	0	0	0	0	0	0	0	0	0	3	13
1222	16.0	Lumbrineris sp E	0	0	13	0	0	0	0	0	0	0	0	0	1	13
1262	16.0	Mooreonuphis pallidula	0	0	6	0	0	6	1	0	0	0	0	0	3	13
1547	16.0	Mastobrancnus sp.	13	0	0	0	0	0	0	0	0	0	0	0	1	13
112	14.0	Phascolion strombi	2	0	0	1	7	2	0	0	0	0	0	0	4	12
292	16.0	Dispio uncinata	6	1	4	0	0	1	0	0	0	0	0	0	4	12
317	26.0	Phoxocephalidae	0	0	5	0	0	1	0	0	0	2	4	0	4	12
1370	12.0	Lyonsia sp A (MMS)	2	2	1	0	1	1	1	0	4	0	0	0	7	12
1590	34.0	Holothuroidea, sand encrusted	12	0	0	0	0	0	0	0	0	0	0	0	1	12
156	16.0	Scolecopsis squamata	2	6	0	0	1	0	0	0	2	0	0	0	4	11
194	31.0	Callianassa sp	0	7	0	1	0	0	0	0	0	1	1	1	5	11
202	12.0	Corbula (Varicorbula) oper	0	1	0	0	2	6	2	0	0	0	0	0	4	11
487	16.0	Ampharete sp	0	0	5	0	4	0	0	0	2	0	0	0	3	11
860	16.0	Nephtys, cryptomma	0	0	0	0	0	10	0	0	1	0	0	0	2	11
1225	16.0	Sarsonuphis hartmanae	0	0	1	5	0	0	2	0	1	0	2	0	5	11
1337	12.0	Lucina sp A (MMS)	2	0	0	0	0	9	0	0	0	0	0	0	2	11

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1405	12.0	<i>Yoldia lohrina</i>	0	0	0	0	0	1	0	0	0	0	8	2	3	11
1497	16.0	<i>Levensenia reducta</i>	0	0	0	0	1	0	1	1	0	5	3	0	5	11
1545	16.0	<i>Ophelia denticulata</i>	2	0	0	0	9	0	0	0	0	0	0	0	2	11
154	16.0	<i>Polydora socialis</i>	1	1	4	0	4	0	0	0	0	0	0	0	4	10
218	31.0	<i>Brachyura</i>	0	0	0	1	9	0	0	0	0	0	0	0	2	10
1539	16.0	<i>Boguesia enigmatica</i>	2	1	0	0	5	2	0	0	0	0	0	0	4	10
1762	16.0	<i>Aricidea abbranchiata</i>	1	0	0	0	0	0	0	0	9	0	0	0	2	10
1	12.0	<i>Abra aequalis</i>	0	0	2	0	5	2	0	0	0	0	0	0	3	9
113	9.0	<i>Phoronis architecta</i>	0	0	0	0	0	6	2	0	1	0	0	0	3	9
698	27	<i>Xenanthura brevitelson</i>	0	1	2	0	2	0	4	0	0	0	0	0	4	9
1008	16.0	<i>Paralacydonia paradoxa</i>	0	0	0	6	0	0	1	2	0	0	0	0	3	9
1511	16.0	<i>Sigalion</i> sp	0	0	0	0	8	1	0	0	0	0	0	0	2	9
1760	16.0	<i>Trichobranchus glacialis</i>	1	0	7	0	1	0	0	0	0	0	0	0	3	9
1795	16.0	<i>Lysippe</i> cf. <i>annectens</i>	0	1	8	0	0	0	0	0	0	0	0	0	2	9
85	11.0	<i>Natica pusilla</i>	4	2	1	0	1	0	0	0	0	0	0	0	4	8
167	31.0	Xanthidae	0	0	0	0	5	2	0	0	0	0	1	0	3	8
234	16.0	Spionidae	0	3	1	0	0	1	0	0	1	1	1	0	6	8
314	12.0	<i>Parvilucina multilineata</i>	0	0	2	0	2	2	0	0	2	0	0	0	4	8
609	37.0	Echinoidea	7	1	0	0	0	0	0	0	0	0	0	0	2	8
1793	16.0	<i>Lysippe</i> sp.	1	1	4	0	1	1	0	0	0	0	0	0	5	8
22	31.0	<i>Automate evermanni</i>	0	0	1	0	0	0	0	0	2	0	4	0	3	7
320	16.0	<i>Aricidea wassi</i>	6	1	0	0	0	0	0	0	0	0	0	0	2	7
678	16.0	Phyllodocidae	0	1	2	0	4	0	0	0	0	0	0	0	3	7
1313	10.0	<i>Glottidia</i> sp (MMS)	0	0	1	0	0	5	0	0	1	0	0	0	3	7
1326	10.0	Brachiopod A (MMS)	0	0	6	0	0	0	0	0	0	1	0	0	2	7

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1392	11.0	<i>Eucrassatella speciosa</i>	0	7	0	0	0	0	0	0	0	0	0	0	1	7
1421	16.0	<i>Leiocapitella</i> sp A (cf Vittor)	0	7	0	0	0	0	0	0	0	0	0	0	1	7
1532	16.0	<i>Harmothoe</i> sp.	0	0	0	0	4	3	0	0	0	0	0	0	2	7
1624	11.0	<i>Opisthobranchia</i>	0	1	0	1	0	0	1	0	4	0	0	0	4	7
37	16.0	<i>Clymenella torquata</i>	3	0	0	0	1	0	2	0	0	0	0	0	3	6
118	16.0	<i>Spio pettiboneae</i>	0	3	0	0	0	1	0	0	1	0	1	0	4	6
191	31.0	Penaeidae (post larva)	0	2	0	0	0	0	0	0	3	1	0	0	3	6
377	26.0	Stegocephalidae	3	0	2	0	0	0	0	0	1	0	0	0	3	6
387	31.0	<i>Alpheus floridanus</i>	0	0	0	0	0	0	0	0	1	5	0	0	2	6
459	12.0	<i>Chione grus</i>	0	0	0	0	6	0	0	0	0	0	0	0	1	6
551	26.0	<i>Caprella</i> sp	0	0	4	0	1	0	0	0	0	1	0	0	3	6
648	34.0	Holothuroidea	0	0	6	0	0	0	0	0	0	0	0	0	1	6
666	31.0	<i>Leptocheila bermudensis</i>	0	2	0	0	0	0	4	0	0	0	0	0	2	6
958	16.0	<i>Nereis lamellosa</i>	0	0	0	0	0	0	6	0	0	0	0	0	1	6
1295	13.0	Scaphopod	0	0	0	1	0	0	0	0	3	1	1	0	4	6
1364	11.0	<i>Mysella</i> sp A (MMS)	0	0	0	0	4	2	0	0	0	0	0	0	2	6
1498	16.0	<i>Aglaophamus circinata</i>	0	0	5	0	0	0	0	0	0	0	0	1	2	6
1507	16.0	<i>Sthenelais</i> sp A (cf Vittor)	0	0	1	0	0	0	2	0	2	1	0	0	4	6
1603	37.0	<i>Brissopsis alta</i>	0	0	0	3	0	0	0	0	0	0	0	3	2	6
1609	35.0	Ophiuroid, naked oral surf. (m	0	0	0	0	6	0	0	0	0	0	0	0	1	6
1658	10.1	<i>Scutopus</i> sp.	0	0	0	0	0	0	0	0	0	0	0	6	1	6
1763	16.0	<i>Priomospio</i> (Minupsio) Sp. A (c	3	0	0	0	2	0	0	0	1	0	0	0	3	6
1767	16.0	<i>Polydora armata</i>	0	0	6	0	0	0	0	0	0	0	0	0	1	6
1778	16.0	<i>Eupolyymia</i> sp. A (cf Vittor)	0	0	2	0	4	0	0	0	0	0	0	0	2	6
106	11.0	<i>Volvulella texasiana</i>	0	0	0	0	0	0	0	0	0	0	3	2	2	5

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125	16.0	<i>Sigambra tentaculata</i>	0	0	1	0	1	0	0	1	0	0	1	1	5	5
141	16.0	<i>Anaitides erythrophyllus</i>	0	0	2	0	1	1	1	0	0	0	0	0	4	5
157	31.0	<i>Spiocarcinus lobatus</i>	0	0	0	0	0	0	0	1	3	0	1	0	3	5
185	16.0	<i>Loimia viridis</i>	0	0	2	0	0	2	1	0	0	0	0	0	3	5
269	16.0	<i>Terebellides stroemi</i>	0	0	4	0	0	0	0	0	1	0	0	0	2	5
349	16	Maldanidae	1	0	1	0	0	0	0	0	0	0	3	0	3	5
638	11.0	<i>Nassarius vibex</i>	0	0	0	0	0	0	3	0	0	0	0	2	2	5
676	16.0	<i>Prionospio pygmaea</i>	0	2	0	0	0	0	0	0	3	0	0	0	2	5
1031	16.0	<i>Nereis falsa</i>	0	0	0	0	0	0	0	0	5	0	0	0	1	5
1249	16.0	<i>Magelona</i> sp L (cf Vittor)	0	0	0	1	0	0	2	0	0	2	0	0	3	5
1282	8.0	Bryozoan col.	0	0	0	0	5	0	0	0	0	0	0	0	1	5
1540	16.0	<i>Rulliernereis</i> sp.	2	0	0	0	0	0	3	0	0	0	0	0	2	5
1649	12.0	<i>Bivalvia</i> , brown spot siphon (m	0	0	0	0	0	0	0	0	5	0	0	0	1	5
1771	16.0	<i>Polychaete</i> Coenus B (cf Vittor)	0	0	4	0	1	0	0	0	0	0	0	0	2	5
1808	16.0	<i>Kinbergonuphis multidentata</i>	0	0	0	0	0	0	1	0	4	0	0	0	2	5
32	11.0	<i>Cantharus cancellarius</i>	0	0	0	0	3	1	0	0	0	0	0	0	2	4
151	16.0	<i>Malacoceros vanderhorsti</i>	0	0	0	0	4	0	0	0	0	0	0	0	1	4
266	12.0	<i>Diplodonta</i> sp	0	0	0	3	0	0	1	0	0	0	0	0	2	4
406	31.0	<i>Hexapanopeus paulensis</i>	0	0	0	0	4	0	0	0	0	0	0	0	1	4
420	11.0	<i>Gastropoda</i> unid	0	0	0	0	1	0	3	0	0	0	0	0	2	4
436	16.0	<i>Nereidae</i> unid or frag	0	1	2	0	0	1	0	0	0	0	0	0	3	4
455	16.0	<i>Magelona pettiboneae</i>	0	4	0	0	0	0	0	0	0	0	0	0	1	4
458	16.0	<i>Chloeia viridis</i>	0	0	2	0	0	0	2	0	0	0	0	0	2	4
565	12.0	<i>Semele bellastrata</i>	0	0	0	0	4	0	0	0	0	0	0	0	1	4
734	6.0	<i>Nemertea</i> , long slen snout	0	0	0	0	0	0	0	3	0	1	0	0	2	4

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
963	16.0	MyriOchele oculata	0	0	0	0	0	0	0	0	4	0	0	0	1	4
980	16.0	Notomastus americanus	0	0	2	0	0	0	0	0	0	0	0	2	2	4
1178	16.0	Hesionidae	0	2	2	0	0	0	0	0	0	0	0	0	2	4
1246	16.0	Prionospio (Minuspio) sp	0	4	0	0	0	0	0	0	0	0	0	0	1	4
1288	14.0	Sipunculida	0	1	0	0	3	0	0	0	0	0	0	0	2	4
1336	12.0	Verticardia ornata	4	0	0	0	0	0	0	0	0	0	0	0	1	4
1343	13.0	Polyshides carolinensis	0	0	0	0	0	4	0	0	0	0	0	0	1	4
1457	16.0	Amphicteis gunneri	0	0	4	0	0	0	0	0	0	0	0	0	1	4
1471	16.0	Lumbrineris cf inflata	0	0	4	0	0	0	0	0	0	0	0	0	1	4
1503	16.0	Anaitides maderiensis	0	2	0	0	0	0	1	0	0	0	1	0	3	4
1514	23.0	Ostracoda Z	1	0	0	0	0	3	0	0	0	0	0	0	2	4
1556	16.0	Pomatoceros americanus	0	0	3	0	0	1	0	0	0	0	0	0	2	4
1561	16.0	Leanira sp.	0	0	0	0	0	0	0	2	0	0	0	2	2	4
1592	26.0	Amphipoda, carina on Th6, Abd	0	1	3	0	0	0	0	0	0	0	0	0	2	4
1595	20.0	Scalpellum gibbum	0	4	0	0	0	0	0	0	0	0	0	0	1	4
1611	31.0	Porcellana sigsbeiana	0	0	0	0	0	0	0	4	0	0	0	0	1	4
1612	31.0	Pinnixa cf. floridana	0	0	0	0	0	0	0	0	1	3	0	0	2	4
1628	12.0	Thyasira flexuosa	0	1	0	0	0	0	0	0	0	0	3	0	2	4
1650	11.0	Turbonilla alfredi	1	0	0	0	0	0	0	0	3	0	0	0	2	4
1781	16.0	Terribelides atlantis	0	0	4	0	0	0	0	0	0	0	0	0	1	4
1797	16.0	Lumbrinerides dayi	0	3	1	0	0	0	0	0	0	0	0	0	2	4
1800	16.0	Kinbergonuphis sp.	0	1	1	0	0	0	2	0	0	0	0	0	3	4
63	16.0	Lepidonotus sublevis	0	0	0	0	2	0	1	0	0	0	0	0	2	3
82	11.0	Vitrinella helicoidea	0	0	0	0	0	0	0	0	3	0	0	0	1	3
116	31.0	Pinnixa sp (frag or unid)	0	3	0	0	0	0	0	0	0	0	0	0	1	3

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
127	12.0	<i>Solen viridis</i>	2	0	0	0	1	0	0	0	0	0	0	0	2	3
169	4.0	<i>Anemone un id</i>	0	0	0	0	3	0	0	0	0	0	0	0	1	3
183	6.0	<i>Nemertea (yellow & brown)</i>	0	0	2	0	0	0	0	0	0	0	1	0	2	3
222	31.0	<i>Raninoides louisianensis</i> Rath	0	0	0	0	0	0	0	0	0	0	3	0	1	3
236	16.0	<i>Polycirrus</i> sp	1	0	0	0	1	1	0	0	0	0	0	0	3	3
281	12.0	<i>Linga amiantus</i>	0	0	0	0	0	0	0	0	3	0	0	0	1	3
302	11.0	<i>Volvulella persimilis</i>	2	0	0	0	1	0	0	0	0	0	0	0	2	3
324	31.0	Majidae	0	0	0	0	0	0	0	0	0	3	0	0	1	3
492	16.0	<i>Polydora ligni</i>	0	0	0	0	3	0	0	0	0	0	0	0	1	3
494	6.0	Nemertean	0	1	0	0	2	0	0	0	0	0	0	0	2	3
619	16.0	<i>Anaitides mucosa</i>	1	0	0	0	1	0	0	0	0	1	0	0	3	3
635	29.0	<i>Hargeria rapax</i>	1	0	2	0	0	0	0	0	0	0	0	0	2	3
775	16.0	<i>Gyptis brevipalpa</i>	0	1	0	0	0	1	1	0	0	0	0	0	3	3
929	31.0	<i>Alpheopsis harperi</i>	0	0	0	0	0	0	0	0	0	1	2	0	2	3
1020	16.0	<i>Spiophanes berkeleyorum</i>	0	0	2	0	0	1	0	0	0	0	0	0	2	3
1022	16.0	<i>Ophiodromus</i> sp	0	0	0	0	0	0	1	0	0	0	0	2	2	3
1028	16.0	<i>Anaitides groenlandica</i>	0	0	0	0	0	2	0	1	0	0	0	0	2	3
1124	16.0	<i>Spiochaetopterus costarum</i>	1	0	2	0	0	0	0	0	0	0	0	0	2	3
1209	16.0	<i>Magelona</i> sp I (cf Vittor)	0	0	1	0	0	1	0	0	1	0	0	0	3	3
1322	23.0	Ostracoda X	0	0	1	0	2	0	0	0	0	0	0	0	2	3
1345	12.0	<i>Mysella</i> sp	0	0	0	0	0	0	0	0	0	0	3	0	1	3
1371	12.0	<i>Tellina squamifera</i>	0	1	0	0	0	1	1	0	0	0	0	0	3	3
1377	11.0	<i>Mangelia</i> sp B (MMS)	0	2	0	0	0	0	0	0	1	0	0	0	2	3
1400	11.0	<i>Nassarius</i> sp A (MMS)	0	2	0	0	1	0	0	0	0	0	0	0	2	3
1417	16.0	<i>Euclymene</i> sp A (cf Vittor)	0	0	1	0	0	0	0	0	0	0	2	0	2	3

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1426	16.0	Mystides cf borealis	3	0	0	0	0	0	0	0	0	0	0	0	1	3
1472	16.0	Lumbrineris cf coccinea	0	0	3	0	0	0	0	0	0	0	0	0	1	3
1502	16.0	Scolecopsis texana	0	1	0	0	0	0	0	0	2	0	0	0	2	3
1512	12.0	Astarte nana	0	2	0	0	1	0	0	0	0	0	0	0	2	3
1548	16.0	Sclerobregma stenocerum	0	3	0	0	0	0	0	0	0	0	0	0	1	3
1563	16.0	Ancistrosyllis sp. a (cf. vitt	0	0	0	0	0	0	0	0	0	0	3	0	1	3
1605	31.0	Hypoconcha arcuata	0	0	0	0	3	0	0	0	0	0	0	0	1	3
1766	16.0	Polydora Sp A (cf Vittor)	0	0	3	0	0	0	0	0	0	0	0	0	1	3
1768	16.0	Polydora caullery i	0	0	3	0	0	0	0	0	0	0	0	0	1	3
1772	16.0	Prionospio multicristata	0	0	0	0	3	0	0	0	0	0	0	0	1	3
1796	16.0	Ampharete sp. B	0	0	3	0	0	0	0	0	0	0	0	0	1	3
1798	16.0	Eunice websteri	0	0	1	0	0	2	0	0	0	0	0	0	2	3
1802	16.0	Mooreonuphis sp.	0	0	1	0	1	0	1	0	0	0	0	0	3	3
73	16.0	Magelona cincta	0	0	0	0	0	0	0	0	2	0	0	0	1	2
78	16.0	Melinna maculata	0	0	0	0	0	0	0	0	2	0	0	0	1	2
108	12.0	Paramya subovata	0	0	0	0	0	0	1	1	0	0	0	0	2	2
123	16.0	Sigambra bassi	0	0	0	0	0	0	0	0	2	0	0	0	1	2
137	11.0	Terebra protexta	0	0	0	0	0	0	0	0	1	1	0	0	2	2
189	12.0	Tellinidae	0	0	0	0	1	0	0	0	0	1	0	0	2	2
216	16.0	Chaetopteridae	0	0	2	0	0	0	0	0	0	0	0	0	1	2
219	6.0	Nemertea (brown band)	0	0	0	0	0	0	0	0	2	0	0	0	1	2
229	23.0	Ostracoda b	0	0	0	2	0	0	0	0	0	0	0	0	1	2
238	16.0	Aricidea sp	2	0	0	0	0	0	0	0	0	0	0	0	1	2
245	4.0	Anemone (sand encrusted)	0	0	2	0	0	0	0	0	0	0	0	0	1	2
261	12.0	Lyonsia hyalina floridana	0	2	0	0	0	0	0	0	0	0	0	0	1	2

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 Cruise 2

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
265	12.0	Corbula sp	0	0	0	0	0	0	0	0	1	0	1	0	2	2
279	23.0	Ostracoda c	1	0	0	0	0	0	1	0	0	0	0	0	2	2
296	5.0	Turbellaria	0	2	0	0	0	0	0	0	0	0	0	0	1	2
325	31.0	Shrimp	0	1	0	0	0	0	0	0	0	0	1	0	2	2
384	16.0	Eumida sanguinez	2	0	0	0	0	0	0	0	0	0	0	0	1	2
410	31.0	Hepatus sp	0	0	0	0	2	0	0	0	0	0	0	0	1	2
433	12.0	Cardiomya ornatissima	0	0	0	0	0	0	1	0	0	1	0	0	2	2
464	4.0	Anemone (holothuroid like)	1	0	0	0	1	0	0	0	0	0	0	0	2	2
566	16.0	Hydroides protulicula	0	0	0	0	0	2	0	0	0	0	0	0	1	2
607	16.0	Eteone lactea	2	0	0	0	0	0	0	0	0	0	0	0	1	2
643	16.0	Arabella cf iricolor	0	0	0	0	0	1	1	0	0	0	0	0	2	2
706	27	Edotea montosa	2	0	0	0	0	0	0	0	0	0	0	0	1	2
708	12.0	Tellina sp	0	0	2	0	0	0	0	0	0	0	0	0	1	2
728	26.0	Haustoriidae	2	0	0	0	0	0	0	0	0	0	0	0	1	2
744	16.0	Lysidice ninetta	0	0	2	0	0	0	0	0	0	0	0	0	1	2
925	30.0	Mysidacea frag or unid	0	2	0	0	0	0	0	0	0	0	0	0	1	2
931	11.0	Mitrella lunata	0	0	0	0	0	0	0	0	0	0	2	0	1	2
948	16.0	Notomastus daueri	0	0	0	0	0	2	0	0	0	0	0	0	1	2
1014	16.0	Sphaerodoropsis sp	0	0	0	2	0	0	0	0	0	0	0	0	1	2
1122	15.0	Thalassema sp.	0	0	0	0	0	0	2	0	0	0	0	0	1	2
1175	12.0	Macoma pulleyi	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1287	0.0	Aplacophora	0	2	0	0	0	0	0	0	0	0	0	0	1	2
1310	16.0	Mastobranchus cf. sp A	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1348	12.0	Thyasira trisinuata	0	2	0	0	0	0	0	0	0	0	0	0	1	2
1387	11.0	Mangelia sp A (MMS)	0	0	0	0	0	0	2	0	0	0	0	0	1	2

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Cruise 2

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1470	16.0	Drilonereis sp	0	0	1	0	0	1	0	0	0	0	0	0	2	2
1495	16.0	Aonides cf mayaguezensis	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1501	16.0	Lumbrineris tenuis	0	0	0	0	0	0	0	0	0	0	2	0	1	2
1536	16.0	Leitoscoloplos sp.	0	0	0	0	0	0	2	0	0	0	0	0	1	2
1546	16.0	Sigalion sp. a (cf. vittor)	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1551	16.0	Polynoidae genus a (cf. vittor)	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1552	16.0	Pomatoceros sp.	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1553	16.0	Apomatus sp.	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1559	16.0	Mystides sp.	0	0	0	2	0	0	0	0	0	0	0	0	1	2
1562	16.0	Sigalonidae	0	0	0	0	0	0	0	0	2	0	0	0	1	2
1593	27.0	Seriolis mgrayi	0	2	0	0	0	0	0	0	0	0	0	0	1	2
1604	15.0	Echiuroidea	0	0	0	0	2	0	0	0	0	0	0	0	1	2
1607	28.0	Cumacea, frontal notch	0	0	0	0	2	0	0	0	0	0	0	0	1	2
1618	11.0	Caecum vestitum	1	0	0	0	1	0	0	0	0	0	0	0	2	2
1619	11.0	Caecum cooperi	1	0	0	0	1	0	0	0	0	0	0	0	2	2
1620	11.0	Acteocina candei	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1623	11.0	Daphnella mora	0	1	0	0	0	0	0	0	0	1	0	0	2	2
1627	12.0	Lima scabra	0	2	0	0	0	0	0	0	0	0	0	0	1	2
1631	12.0	Propeamussums sp.	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1641	11.0	Anachis floridana	0	0	0	0	2	0	0	0	0	0	0	0	1	2
1648	10.1	Pruvatina sp.	0	0	0	0	0	0	0	2	0	0	0	0	1	2
1655	11.0	Sayella sp.	0	0	0	0	0	0	0	0	1	0	1	2	2	
1656	12.0	Cuspidaria jeffreysi	0	0	0	0	0	0	0	0	0	2	0	1	2	
1659	10.1	Prochaetoderma sp.	0	0	0	0	0	0	0	0	0	0	2	1	2	
1740	10.2	Chaetopleura apiculata	0	0	0	0	2	0	0	0	0	0	0	0	1	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1770	16.0	Priuospio ehlersi	0	0	1	0	0	0	0	0	0	0	1	0	2	2
1775	16.0	Prionospio dubia	0	0	0	0	0	0	1	0	0	0	1	0	2	2
1777	16.0	Eupolymnia nebulosa	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1804	16.0	Marphysa sp. C	0	0	0	0	1	0	0	0	0	1	0	0	2	2
1806	16.0	Kinbergonuphis vermillionensis	0	0	0	0	2	0	0	0	0	0	0	0	1	2
1809	16.0	Kinbergonuphis oligobranchiata	0	0	0	0	0	0	0	0	2	0	0	0	1	2
10	11.0	Anachis obesa	0	0	0	0	0	0	1	0	0	0	0	0	1	1
35	6.0	Cerebratulus luridus	Verr	0	1	0	0	0	0	0	0	0	0	0	1	1
54	16.0	Gyptis vittata	0	0	0	0	0	0	0	0	0	0	1	0	1	1
80	35.0	Micropholis atra	1	0	0	0	0	0	0	0	0	0	0	0	1	1
107	31.0	Panopeus turgidus	0	0	0	1	0	0	0	0	0	0	0	0	1	1
130	25.0	Squilla empusa	0	0	0	0	0	0	1	0	0	0	0	0	1	1
146	31.0	Euceramus praelongus	1	0	0	0	0	0	0	0	0	0	0	0	1	1
152	16.0	Nereiphylla fragilis	0	0	0	0	1	0	0	0	0	0	0	0	1	1
176	31.0	Portunidae	0	0	0	0	0	0	0	0	0	1	0	0	1	1
204	16.0	Terebellidae	0	0	0	0	0	0	1	0	0	0	0	0	1	1
217	12.0	Corbula dietziana	0	0	1	0	0	0	0	0	0	0	0	0	1	1
242	16.0	Prionospio heterobranchia	0	1	0	0	0	0	0	0	0	0	0	0	1	1
249	31.0	Leptochela serratorbita	0	1	0	0	0	0	0	0	0	0	0	0	1	1
291	16.0	Scoloplos sp	0	0	0	0	0	1	0	0	0	0	0	0	1	1
305	11.0	Acteocina canaliculata	0	0	0	0	1	0	0	0	0	0	0	0	1	1
336	16.0	Prionospio dayi	0	1	0	0	0	0	0	0	0	0	0	0	1	1
351	16.0	Chaetopterus variopedatus	0	0	0	0	0	0	1	0	0	0	0	0	1	1
353	16.0	Arabella sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
394	16.0	Pherusia inflata	0	1	0	0	0	0	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
414	16.0	Hydroides dianthus	0	0	0	0	1	0	0	0	0	0	0	0	1	1
419	16.0	Cirratulidae	0	1	0	0	0	0	0	0	0	0	0	0	1	1
421	12.0	Macoma sp	0	0	0	0	0	0	0	0	0	1	0	0	1	1
468	11.0	Caecum imbricatum	0	0	0	1	0	0	0	0	0	0	0	0	1	1
520	11.0	Melanellidae	0	0	0	0	1	0	0	0	0	0	0	0	1	1
536	5.0	Polycladida	0	0	0	0	0	0	0	0	1	0	0	0	1	1
559	16.0	Onuphidae	0	0	0	0	0	0	0	0	0	0	1	0	1	1
567	12.0	Jouannetia quillingi	0	0	0	0	1	0	0	0	0	0	0	0	1	1
569	31.0	Chasmocarcinus mississippi	0	0	0	0	0	0	0	0	0	0	1	0	1	1
603	41.0	Bregmaceros atlanticus	0	0	0	0	0	0	0	0	0	1	0	0	1	1
612	11.0	Pyramidella crenulata	1	0	0	0	0	0	0	0	0	0	0	0	1	1
613	23.0	Ostracoda n	0	0	0	0	1	0	0	0	0	0	0	0	1	1
652	16.0	Paraonidae	0	0	0	0	0	0	0	0	1	0	0	0	1	1
658	16.0	Tharyx marioni	0	0	0	0	0	0	0	0	1	0	0	0	1	1
697	16.0	Magelona unid	0	0	0	0	0	0	0	0	0	0	1	0	1	1
722	39.0	Asciacea	1	0	0	0	0	0	0	0	0	0	0	0	1	1
774	16.0	Loimia medusa	0	0	1	0	0	0	0	0	0	0	0	0	1	1
830	34.0	Protankyra benedeni	(Lud	0	0	0	0	0	1	0	0	0	0	0	1	1
874	28.0	Oxyurostylis sp	0	0	0	0	0	0	0	0	0	1	0	0	1	1
889	16.0	Lumbrineris ernesti	0	0	0	0	0	0	0	0	1	0	0	0	1	1
927	31.0	Shrimp frag	0	0	0	0	0	0	0	0	0	1	0	0	1	1
937	4.0	Pennatulacea	0	0	0	0	0	1	0	0	0	0	0	0	1	1
960	16.0	Diplocirrus sp	0	1	0	0	0	0	0	0	0	0	0	0	1	1
974	16.0	Harmothoe sp a	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1012	16.0	Marphysa belli	0	0	0	0	1	0	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1018	16.0	Magelona sp A (cf Vittor)	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1047	16.0	Phyllodoce arenae	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1113	16.0	Ninoe sp. A	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1127	16.0	Lumbrineris sp	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1184	11.0	Pleurobranchaea sp	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1241	16.0	Lumbrineris sp C	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1272	0.0	Nemertean	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1275	12.0	Nuculana sp	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1315	31.0	Albunea gibbesi	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1351	11.0	Caecum pulchellum	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1359	12.0	Limposis sulcata	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1378	11.0	Sinum minor	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1381	11.0	Cylichnella bidentata	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1388	12.0	Solemya occidentalis	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1390	12.0	Pythinella cuneata	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1401	12.0	Yoldia solenoides	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1410	16.0	Magelona sp B (cf Vittor)	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1438	16.0	Pseudovermilla occidentalis	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1445	16.0	Ophelia cf acuminata	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1479	16.0	Rhaphobranchium atlanticum	0	0	0	0	0	0	0	1	0	0	0	0	1	1
1487	16.0	Mesochaetopterus sp	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1504	16.0	Magelona sp C (cf Vittor)	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1515	23.0	Ostracoda AA	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1516	23.0	Ostracoda BB	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1517	23.0	Ostracoda CC	0	1	0	0	0	0	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1549	16.0	Genetyllis sp.	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1550	16.0	Lygdamus indicus	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1554	16.0	Serpula sp.	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1555	16.0	Hydroiipes sp. a (cf. vittor)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1557	16.0	Eulalia sp.	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1558	16.0	Myriochele sp. a (cf. vittor)	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1560	16.0	Anaitides sq.	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1566	16.0	Psammoilyce sp.	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1567	16.0	Magelona sp. d (cf. vittor)	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1575	16.0	Rhinothelepis sp. A (cf. Vitto)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1589	31.0	Leptochela papulata	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1591	43.0	Triglidae	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1594	31.0	Colloides trispinosus	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1597	2.0	Porifera	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1598	31.0	Alpheidae	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1599	31.0	Munida pusilla	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1600	31.0	Upogebia sp.	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1601	10.0	Brachiopoda	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1602	27.0	Flabellifera	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1606	31.0	Ranilia sp.	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1610	42.0	Vermiform, papillose proboscis	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1613	36.0	Asteroidea	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1614	31.0	Processa sp.	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1615	26.0	Ampelisca, brown stained eyes	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1616	31.0	Reptant decapod	0	0	0	0	0	0	0	0	0	0	1	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1617	37.0	Brissopsis sp.	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1622	12.0	Pandora bushiana	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1629	11.0	Strombiformis bifasciata	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1630	12.0	Poromya subovata	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1632	12.0	Aligena sp.	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1633	11.0	Caecum sp.	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1634	11.0	Nannodiella oxia	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1635	11.0	Melanella intermedia	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1636	11.1	Octopus vulgaris	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1637	11.0	Polinices lacteus	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1638	11.0	Olivella sp. B (mms)	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1639	11.0	Calliostoma cf. vulcatecanum	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1640	11.0	Diodora cayensis	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1642	12.0	Laevicardium pictum	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1643	11.0	Ichthyothara sp. A (mms)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1644	11.0	Sayella hemphilli	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1645	12.0	Pitar fulminata	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1646	12.0	Divaricella quadrisulcata	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1647	12.0	Verticordia sp. A (mms)	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1651	12.0	Lyonsia sp.	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1652	12.0	Thyasira sp.	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1653	13.0	Sipnonodentalium sp.	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1654	11.0	Cancellaria reticulata	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1657	12.0	Cuspidaria sp.	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1660	12.0	Verticordia sp. B (mms)	0	0	0	0	0	0	0	0	0	0	0	1	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1764	16.0	Pettiboneae Sp. A (cf Vittor)	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1765	16.0	Prionospio (Minuspio) Sp. B	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1769	16.0	Polydora sp. B (cf Vittor)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1773	16.0	Prionospio delta	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1776	16.0	Jasminira pacifica	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1779	16.0	Lamice conchilega	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1780	16.0	Neoleprea sp. A (cf Vittor)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1782	16.0	Paramphinomidae sp. A	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1783	16.0	Spiophanea sp. C (cf Vittor)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1784	16.0	Aricidea abbranchiata	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1785	16.0	Trochochaeta sp. B (cf Vittor)	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1794	16.0	Ampharetidargenus A	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1799	16.0	Nematonereis hebes	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1801	16.0	Mooreonuphis guadalupensis	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1803	16.0	Rhamphobranthium sp. A	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1805	16.0	Onuphis geophiliformis	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1807	16.0	Kinbergonuphis cedroensis	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1810	16.0	Diopatra sp.	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1811	16.0	Diopatra sp. A	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total			854	1262	1211	116	1478	604	354	105	1806	175	259	1508	1096	9732

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
133	12.0	Tellina versicolor	154	5	0	0	103	60	0	0	14	0	1	0	6	337
120	16.0	Paraprionospio pinnata	1	0	0	2	18	10	48	44	25	77	55	1	10	281
66	16.0	Lumbrineris verrilli	Perk 20	6	1	0	140	15	1	14	29	8	3	0	10	237
1015	16.0	Ampharete sp a	6	22	19	0	94	34	0	0	0	0	0	0	5	175
314	12.0	Parvilucina multilineata	15	0	0	2	112	28	0	0	0	0	0	0	4	157
98	12.0	Nuculana acuta	0	0	0	0	55	93	4	0	0	0	0	0	3	152
667	16.0	Prionospio cristata	0	101	1	0	0	25	1	0	4	0	3	0	6	135
263	16.0	Syllidae sp	14	78	21	1	2	7	7	1	0	0	1	1	10	133
77	16.0	Mediomastus californiensis	6	0	0	0	14	87	3	1	2	4	1	0	8	118
97	16.0	Notomastus latericeus	1	51	28	1	0	6	6	1	0	2	10	0	9	106
650	26.0	Ampelisca agassizi	12	5	2	1	10	7	0	0	54	0	0	0	7	91
3	16.0	Aglaophamus verrilli	2	4	1	0	15	48	1	0	12	0	1	0	8	84
5	26.0	Ampelisca abdita	26	0	0	3	17	6	0	0	14	13	2	0	7	81
187	12.0	Bivalvia unid	18	10	2	4	8	31	0	0	0	0	0	1	7	74
708	12.0	Tellina sp	69	0	1	0	2	0	0	0	0	0	0	0	3	72
89	16.0	Nephtys incisa	0	0	0	26	0	0	3	22	2	9	1	8	7	71
1235	16.0	Lumbrineris sp D	39	0	4	0	9	1	1	1	2	2	1	0	9	60
341	35.0	Ophiuroidea unid or fragment	15	4	2	10	0	14	0	1	1	0	3	2	9	52
129	16.0	Spiophanes bombyx	3	14	0	0	25	7	2	0	0	0	0	0	5	51
91	16.0	Nephtys picta	39	1	0	0	8	1	0	0	0	0	0	0	4	49
345	16.0	Poecilochaetus johnsoni	0	6	2	0	3	31	3	0	0	0	1	0	6	46
1269	16.0	Spiophanes cf. wigley	0	30	12	1	0	0	2	1	0	0	0	0	5	46
1483	16.0	Aricidea lopezi	2	3	0	0	17	16	2	0	4	0	1	0	7	45
84	11.0	Nassarius acutus	0	0	0	0	1	43	0	0	0	0	0	0	2	44

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun	
580	1.0	Foraminifera	0	4	0	19	0	0	0	0	0	0	3	18	4	44	
860	16.0	Nephtys, cryptomma	1	3	0	0	4	32	0	0	4	0	0	0	5	44	
1236	16.0	Bocardiella sp A	0	0	0	0	44	0	0	0	0	0	0	0	1	44	
1263	16.0	Axiiothella sp A	26	2	6	0	0	7	3	0	0	0	0	0	5	44	
1607	28.0	Cumacea, frontal notch	43	0	0	0	0	0	0	0	0	0	0	0	1	43	
198	26.0	Amphipoda, un id	12	10	4	5	0	7	2	2	0	0	0	0	7	42	
34	6.0	Cerebratulus lacteus	Leid	3	3	4	0	2	3	5	4	0	4	11	2	10	41
171	7.0	Nematoda	7	8	6	2	0	0	8	9	0	0	1	0	7	41	
698	27.0	Xenanthura brevitelson	0	1	1	0	0	36	0	0	0	0	0	0	3	38	
164	31.0	Paguridae	0	12	4	0	5	14	1	0	0	0	1	0	6	37	
548	12.0	Tellina aequistriata	1	0	0	0	36	0	0	0	0	0	0	0	2	37	
665	26.0	Ampelisca verrilli	1	0	0	1	20	13	0	0	0	0	1	0	5	36	
93	16.0	Nereis micromma	Harp	0	0	0	0	15	11	0	0	6	1	1	0	5	34
1662	29.0	Tanaid sp. A (rms)	1	3	0	4	4	5	0	0	0	14	3	0	7	34	
88	6.0	Nemertea (white)	0	10	1	2	5	2	1	1	2	6	3	0	10	33	
285	16.0	Laonice cirrata	0	4	1	0	0	22	3	1	0	0	1	0	6	32	
1	12.0	Abra aequalis	0	0	0	0	30	1	0	0	0	0	0	0	2	31	
241	26.0	Monoculodes sp	10	0	0	0	2	16	0	0	3	0	0	0	4	31	
369	16.0	Microspio pigmentata	0	0	0	0	29	0	0	1	0	0	0	0	2	30	
1214	16.0	Ninoe sp B	0	0	0	0	0	0	9	4	1	10	6	0	5	30	
1449	16.0	Eunice cf vittata	0	8	22	0	0	0	0	0	0	0	0	0	2	30	
1795	16.0	Lysippe cf. annectens	0	30	0	0	0	0	0	0	0	0	0	0	1	30	
980	16.0	Notomastus americanus	1	12	0	0	0	12	0	0	0	0	4	0	4	29	
1312	8.0	Cupuladria sp (MMS)	0	17	8	0	2	1	0	0	0	0	0	0	4	28	

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86	6.0	Nemertea (yellow banded)	2	4	5	0	4	0	2	7	1	0	2	0	8	27
144	12.0	Corbula barrattiana	0	0	0	0	8	18	0	0	1	0	0	0	3	27
485	31.0	Brachyura (megalops)	1	1	3	0	1	1	1	10	0	1	6	2	10	27
494	6.0	Nemertean	0	0	0	0	22	2	2	0	0	0	1	0	4	27
649	16.0	Armandia maculata	2	4	0	1	8	0	0	0	0	11	1	0	6	27
1587	26.0	Phoxocephalidae, small eye (mm)	22	1	4	0	0	0	0	0	0	0	0	0	3	27
213	12.0	Crassinella lunulata	0	24	0	0	2	0	0	0	0	0	0	0	2	26
1460	16.0	Levinsenia gracilis	2	3	2	2	3	2	0	2	2	1	6	0	10	25
1652	12.0	Thyasira sp.	0	0	0	0	0	25	0	0	0	0	0	0	1	25
33	16.0	Ceratocephale oculata	0	14	0	0	4	1	2	0	1	0	2	0	6	24
1132	17.0	Oligochaeta	5	11	4	0	1	3	0	0	0	0	0	0	5	24
1337	12.0	Lucina sp A (MMS)	0	12	2	3	4	3	0	0	0	0	0	0	5	24
1411	16.0	Cirrophorus americanus	4	6	0	0	1	1	2	1	1	0	8	0	8	24
1459	16.0	Aricidea suecica	3	3	0	0	7	8	0	0	0	2	1	0	6	24
284	16.0	Prionospio sp	0	3	1	6	1	8	0	0	0	0	4	0	6	23
71	12.0	Macoma tenta	2	0	0	0	16	3	1	0	0	0	0	0	4	22
236	16.0	Polycirrus sp	0	17	4	0	0	1	0	0	0	0	0	0	3	22
363	26.0	Corophiidae	0	0	19	0	0	0	0	0	0	0	3	0	2	22
1008	16	Paralacydonia paradoxa	0	0	0	7	0	0	6	7	0	0	2	0	4	22
1044	16.0	Euclymene sp	0	0	0	0	0	0	10	0	0	0	12	0	2	22
1136	40.0	Branchiostoma	6	10	0	0	6	0	0	0	0	0	0	0	3	22
85	11.0	Natica pusilla	9	0	0	0	12	0	0	0	0	0	0	0	2	21
920	16.0	Aricidea simplex	0	1	9	2	0	1	0	8	0	0	0	0	5	21
1222	16.0	Lumbrineris sp E	12	0	2	0	6	1	0	0	0	0	0	0	4	21

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1226	16.0	Spiophares cf. missionensis	3	5	1	1	1	8	0	1	0	0	0	0	7	20
365	16.0	Aricidea fragilis	0	2	0	0	16	0	0	0	1	0	0	0	3	19
1385	11.0	Gouldia cerina	19	0	0	0	0	0	0	0	0	0	0	0	1	19
1588	26.0	Amphipod, conical snout (mms)	18	0	0	0	0	0	0	0	1	0	0	0	2	19
103	28.0	Oxyurostylis salinoi	4	0	0	0	9	0	0	0	0	1	4	0	4	18
1343	13.0	Polyshides carolinensis	6	0	0	0	1	10	0	0	1	0	0	0	4	18
1569	16.0	Cossura, long segments	0	0	0	0	0	18	0	0	0	0	0	0	1	18
1672	27.0	Gnathia sp.	0	1	1	1	1	11	0	0	0	0	3	0	6	18
1019	16.0	Cirrophorus branchiatus	9	2	2	1	0	0	0	1	0	1	1	0	7	17
78	16.0	Melinna maculata	1	0	0	0	15	0	0	0	0	0	0	0	2	16
125	16.0	Sigambra tentaculata	0	0	0	0	1	1	8	2	0	1	2	1	7	16
1401	12.0	Yoldia solenoides	0	0	0	0	0	0	0	0	0	0	4	12	2	16
1586	26.0	Phoxocephalidae, large eye (mm)	5	0	5	1	1	0	0	0	0	1	3	0	6	16
96	16.0	Notomastus hemipodus	0	2	0	0	1	5	0	0	0	0	7	0	4	15
175	26.0	Listriella sp	0	0	0	0	0	15	0	0	0	0	0	0	1	15
1251	16.0	Mooreonuphis cf. nebulosa	2	1	1	0	1	10	0	0	0	0	0	0	5	15
22	31.0	Automate evermanni	0	1	1	0	2	1	3	0	0	2	4	0	7	14
154	16.0	Polydora socialis	0	14	0	0	0	0	0	0	0	0	0	0	1	14
982	16.0	Marphysa sp b	0	0	0	0	0	0	3	0	0	0	11	0	2	14
1358	12.0	Nucula ageensis	0	0	0	0	0	5	8	0	0	0	1	0	3	14
27	16.0	Asychis elongata	0	0	2	0	2	0	0	1	7	0	1	0	5	13
74	16.0	Magelona sp H (cf vittor)	0	0	0	0	10	0	0	0	3	0	0	0	2	13
155	16.0	Prionospio cirrifera	1	1	5	0	0	1	0	1	1	3	0	0	7	13
233	26.0	Photis macromanus	7	1	0	0	0	2	0	0	3	0	0	0	4	13

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
373	16.0	Prionospio cirrobranchiata	0	12	0	0	0	1	0	0	0	0	0	0	2	13
436	16.0	Nereidae unid or frag	3	2	1	0	2	1	0	0	0	0	4	0	6	13
1262	16.0	Mooreonuphis pallidula	1	1	5	0	2	4	0	0	0	0	0	0	5	13
1286	14.0	Golfingia	0	0	0	3	0	1	6	0	1	0	1	1	6	13
1344	13.0	Laevidentium callipeplum	0	0	0	0	1	12	0	0	0	0	0	0	2	13
1497	16.0	Levensenia reducta	0	0	0	0	0	0	2	4	0	6	1	0	4	13
1573	16.0	Melinna cristata	0	0	11	0	2	0	0	0	0	0	0	0	2	13
1679	8.0	Bryozoa, cup shape, circular o	0	0	13	0	0	0	0	0	0	0	0	0	1	13
112	14.0	Phascolion strombi	4	1	1	0	1	1	4	0	0	0	0	0	6	12
153	16.0	Paleonotus heteroseta	0	7	3	0	2	0	0	0	0	0	0	0	3	12
337	0.0	Bugula neritina (col)	0	12	0	0	0	0	0	0	0	0	0	0	1	12
968	16.0	Ampharete cf parvidentata	0	7	3	0	0	2	0	0	0	0	0	0	3	12
1240	16.0	Cossura sp A	0	0	0	2	0	0	1	1	2	0	3	3	6	12
1388	12.0	Solemya occidentalis	0	0	0	0	0	12	0	0	0	0	0	0	1	12
1533	16.0	Pseudeurythoe sp.	0	0	3	1	0	1	1	0	1	2	3	0	7	12
305	11.0	Acteocina canaliculata	5	0	0	0	6	0	0	0	0	0	0	0	2	11
783	16.0	Prionospio steenstrupi	0	0	0	3	0	5	0	2	1	0	0	0	4	11
1538	16.0	Polygordius sp.	0	0	0	0	0	5	6	0	0	0	0	0	2	11
1684	6.0	Nemertea, yb + slender snout (0	0	0	6	3	0	0	0	0	2	0	0	3	11
42	16.0	Diopatra cuprea	1	0	0	0	3	4	0	0	0	2	0	0	4	10
185	16.0	Loimia viridis	0	1	2	6	1	0	0	0	0	0	0	0	4	10
194	31.0	Callianassa sp	0	2	0	0	6	0	0	0	0	0	0	2	3	10
476	28.0	Cumacea sp	4	0	0	1	4	1	0	0	0	0	0	0	4	10
1371	12.0	Tellina squamifera	0	0	0	0	1	9	0	0	0	0	0	0	2	10

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1537	16.0	Notomastus sp.	0	0	0	0	1	9	0	0	0	0	0	0	2	10
151	16.0	Malacoceros vanderhorsti	0	5	0	0	0	1	3	0	0	0	0	0	3	9
156	16.0	Scolecopsis squamata	0	7	0	0	1	0	1	0	0	0	0	0	3	9
635	29.0	Hargeria rapax	5	0	0	4	0	0	0	0	0	0	0	0	2	9
786	16.0	Aricidea catherinea	3	2	0	0	1	3	0	0	0	0	0	0	4	9
986	16.0	Cirrophorus lyra	0	3	1	0	0	1	1	3	0	0	0	0	5	9
1774	16.0	Prionospio multibranchiata	0	0	0	0	0	0	0	0	0	0	9	0	1	9
202	12.0	Corbula (Varicorbula) oper	2	2	0	0	3	1	0	0	0	0	0	0	4	8
320	16.0	Aricidea wassi	8	0	0	0	0	0	0	0	0	0	0	0	1	8
1316	8.0	Bryozoan, cup shape	0	0	2	0	2	4	0	0	0	0	0	0	3	8
1381	11.0	Cylichnella bidentata	2	1	0	0	5	0	0	0	0	0	0	0	3	8
1502	16.0	Scolecopsis texana	0	1	0	0	4	3	0	0	0	0	0	0	3	8
1793	16.0	Lysippe sp.	0	4	3	0	0	1	0	0	0	0	0	0	3	8
73	16.0	Magelona cincta	0	0	0	0	7	0	0	0	0	0	0	0	1	7
116	31.0	Pinnixa sp (frag or unid)	0	0	0	0	2	4	0	0	1	0	0	0	3	7
157	31.0	Spiocarcinus lobatus	0	0	0	0	0	0	0	4	3	0	0	0	2	7
167	31.0	Xanthidae	0	2	3	0	0	0	0	0	0	0	2	0	3	7
179	16.0	Tharyx setigera	0	0	0	0	0	7	0	0	0	0	0	0	1	7
183	6.0	Nemertea (yellow & brown)	0	0	1	0	3	0	2	1	0	0	0	0	4	7
204	16.0	Terebellidae	2	1	3	0	0	1	0	0	0	0	0	0	4	7
234	16.0	Spionidae	0	0	0	2	0	0	0	1	0	0	0	4	3	7
249	31.0	Leptochela serratorbita	0	4	2	0	0	1	0	0	0	0	0	0	3	7
281	12.0	Linga amiantus	0	0	0	0	7	0	0	0	0	0	0	0	1	7
460	24.0	Nebalia sp	6	0	0	0	0	0	0	0	0	0	1	0	2	7

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537	27.0	Isopoda unid	0	7	0	0	0	0	0	0	0	0	0	0	1	7
648	34.0	Holothuroidea	0	1	4	0	0	0	2	0	0	0	0	0	3	7
686	12.0	Tellidora cristata	7	0	0	0	0	0	0	0	0	0	0	0	1	7
1397	12.0	Mangelia sp C (MMS)	4	0	0	0	2	1	0	0	0	0	0	0	3	7
1477	16.0	Aonides paucibranchiata	7	0	0	0	0	0	0	0	0	0	0	0	1	7
1503	16.0	Anaitides maderiensis	0	0	0	0	0	3	1	0	1	0	2	0	4	7
1541	16.0	Nereidae, acicular no tosetae	0	0	0	0	0	2	0	0	0	2	3	0	3	7
1596	27.0	Anthuridea	0	0	6	0	1	0	0	0	0	0	0	0	2	7
1664	0.0	Chaetogordius sp.	6	0	0	0	0	1	0	0	0	0	0	0	2	7
1669	27.0	Accalanthura crenulata	0	7	0	0	0	0	0	0	0	0	0	0	1	7
1799	16.0	Nematonereis hebes	1	3	3	0	0	0	0	0	0	0	0	0	3	7
306	23.0	Ostracoda i	0	0	0	0	0	6	0	0	0	0	0	0	1	6
664	25.0	Squilla sp	1	0	1	0	1	3	0	0	0	0	0	0	4	6
775	16.0	Gyptis brevipalpa	0	1	0	0	0	0	0	3	0	0	0	2	3	6
1213	16.0	Goniadella sp A	6	0	0	0	0	0	0	0	0	0	0	0	1	6
1313	10.0	Glottidia sp (MMS)	6	0	0	0	0	0	0	0	0	0	0	0	1	6
1507	16.0	Sthenelais sp A (cf Vittor)	0	0	0	1	3	0	1	0	0	0	0	1	4	6
1544	16.0	Sigalonidae 1 (mms)	0	0	0	0	0	0	0	0	0	0	0	6	1	6
1597	2.0	Porifera	0	1	5	0	0	0	0	0	0	0	0	0	2	6
1663	28.0	Cumacea, dorsal carinal spine	3	0	0	0	2	0	0	1	0	0	0	0	3	6
1666	11.0	Philene sagra	6	0	0	0	0	0	0	0	0	0	0	0	1	6
1759	16.0	Polycirrus plumosus	1	2	2	0	0	1	0	0	0	0	0	0	4	6
1760	16.0	Trichobranchus glacialis	0	5	1	0	0	0	0	0	0	0	0	0	2	6
1778	16.0	Eupolytmia sp. A (cf Vittor)	0	1	5	0	0	0	0	0	0	0	0	0	2	6

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1791	16.0	Prionospio (Minuspio) sp C (cf	0	0	0	0	0	0	6	0	0	0	0	0	1	6
10	11.0	Anachis obesa	3	0	0	0	2	0	0	0	0	0	0	0	2	5
169	4.0	Anemone un id	0	4	1	0	0	0	0	0	0	0	0	0	2	5
269	16.0	Terebellides stroemi	0	2	0	0	0	3	0	0	0	0	0	0	2	5
292	16.0	Dispio uncinata	0	4	0	0	0	0	0	0	0	0	0	1	2	5
302	11.0	Volvulella persimilis	2	0	0	0	3	0	0	0	0	0	0	0	2	5
607	16	Eteone lactea	2	0	0	0	3	0	0	0	0	0	0	0	2	5
609	37.0	Echinoidea	0	4	0	1	0	0	0	0	0	0	0	0	2	5
669	16.0	Prionospio fallax	0	3	0	0	0	2	0	0	0	0	0	0	2	5
1253	16.0	Harmothoe sp B	0	4	1	0	0	0	0	0	0	0	0	0	2	5
1457	16.0	Amphicteis gunneri	0	0	3	1	1	0	0	0	0	0	0	0	3	5
1512	12.0	Astarte nana	5	0	0	0	0	0	0	0	0	0	0	0	1	5
1564	16.0	Synelmis sp. c (cf. vittor)	0	0	5	0	0	0	0	0	0	0	0	0	1	5
1781	16.0	Terribelides atlantis	0	4	1	0	0	0	0	0	0	0	0	0	2	5
238	16.0	Aricidea sp	0	0	0	0	0	4	0	0	0	0	0	0	1	4
428	11.0	Olivella dealbata	2	0	0	0	0	2	0	0	0	0	0	0	2	4
447	23.0	Ostracoda k	3	1	0	0	0	0	0	0	0	0	0	0	2	4
653	16.0	Aricidea cerrutii	1	1	0	0	1	1	0	0	0	0	0	0	4	4
674	35.0	Ophiuroidea, arm fragment	1	1	0	0	0	0	1	0	0	0	0	1	4	4
927	31.0	Shrimp frag	4	0	0	0	0	0	0	0	0	0	0	0	1	4
948	16.0	Notomastus daueri	0	0	0	0	0	3	0	0	0	0	1	0	2	4
992	16.0	Aricidea quadrilobata	0	0	0	0	0	0	0	2	0	0	2	0	2	4
1022	16.0	Ophiodromus sp	0	0	0	0	0	4	0	0	0	0	0	0	1	4
1031	16.0	Nereis falsa	0	0	0	0	0	0	4	0	0	0	0	0	1	4

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1241	16.0	Lumbrineris sp C	0	0	0	0	2	0	0	0	0	1	1	0	3	4
1338	12.0	Crenella sp A (MMS)	0	4	0	0	0	0	0	0	0	0	0	0	1	4
1450	16.0	Euphrosine sp A (cf Vittor)	0	4	0	0	0	0	0	0	0	0	0	0	1	4
1470	16.0	Drilonereis sp	0	1	3	0	0	0	0	0	0	0	0	0	2	4
1517	23.0	Ostracoda CC	0	2	0	0	0	2	0	0	0	0	0	0	2	4
1527	16.0	Filigranula sp. a (cf. vittor)	0	2	2	0	0	0	0	0	0	0	0	0	2	4
1529	16.0	Scoloplos sp. B (cf. vittor)	0	1	2	0	0	1	0	0	0	0	0	0	3	4
1602	27.0	Flabellifera	0	0	2	0	0	2	0	0	0	0	0	0	2	4
1624	11.0	Opisthobranchia	3	0	0	0	0	1	0	0	0	0	0	0	2	4
1659	10.1	Prochaetoderma sp.	0	0	0	4	0	0	0	0	0	0	0	0	1	4
1692	6.0	Nemertea, banded, spatulate he	0	0	0	0	2	2	0	0	0	0	0	0	2	4
1708	4.0	Anemone, Cerianthid	0	0	0	0	0	0	4	0	0	0	0	0	1	4
1711	26.0	Amphipoda, broad hood (mms)	0	0	0	0	0	0	0	0	0	0	3	1	2	4
1770	16.0	Priouospio ehlersi	0	0	0	3	0	0	0	0	0	0	0	1	2	4
1790	16.0	Cirrophorus fortifurcatus	0	0	2	0	0	0	1	0	0	0	1	0	3	4
1796	16.0	Ampharete sp. B	0	4	0	0	0	0	0	0	0	0	0	0	1	4
1809	16.0	Kinbergonuphis oligobranchiata	0	0	0	0	0	0	0	0	0	0	4	0	1	4
113	9.0	Phoronis architecta	0	0	0	0	0	3	0	0	0	0	0	0	1	3
243	14.0	Aspidosiphon cf speciosus	0	0	2	0	0	0	0	0	1	0	0	0	2	3
349	16.0	Maldanidae	0	0	0	0	0	0	0	0	1	0	2	0	2	3
405	16.0	Ceratonereis irritabilis	0	0	0	0	0	0	0	0	3	0	0	0	1	3
410	31.0	Hepatus sp	0	0	0	0	3	0	0	0	0	0	0	0	1	3
536	5.0	Polycladida	1	2	0	0	0	0	0	0	0	0	0	0	2	3
744	16.0	Lysidice ninetta	1	0	0	0	0	0	0	0	0	0	2	0	2	3

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974	16.0	Harmothoe sp a	0	2	1	0	0	0	0	0	0	0	0	0	2	3
998	16.0	Diopatra tridentata	0	1	0	0	0	0	1	0	0	1	0	0	3	3
1124	16.0	Spiochaetopterus costarum	0	0	0	0	0	2	1	0	0	0	0	0	2	3
1209	16.0	Magelona sp I (cf Vittor)	0	0	0	0	3	0	0	0	0	0	0	0	1	3
1219	0.0	Magelona sp J (cf Vittor)	0	0	0	0	0	0	0	0	0	3	0	0	1	3
1336	12.0	Verticardia ornata	2	0	0	0	1	0	0	0	0	0	0	0	2	3
1347	13.0	Anaitides bartletti	3	0	0	0	0	0	0	0	0	0	0	0	1	3
1501	16.0	Lumbrineris tenuis	0	0	0	0	1	0	0	0	0	1	1	0	3	3
1532	16.0	Harmothoe sp.	0	0	1	1	0	1	0	0	0	0	0	0	3	3
1540	16.0	Rulliernereis sp.	0	0	0	0	0	0	1	0	1	0	1	0	3	3
1603	37.0	Brissopsis alta	0	0	0	0	0	0	0	0	0	0	2	1	2	3
1658	10.1	Scutopus sp.	0	0	0	3	0	0	0	0	0	0	0	0	1	3
1687	28.0	Cumacea, square front	0	0	0	2	0	0	0	1	0	0	0	0	2	3
1695	14.0	Aspidosiphon sp. (mms)	0	0	0	0	3	0	0	0	0	0	0	0	1	3
1696	12.0	Thyasira sp. A (mms)	0	0	0	0	3	0	0	0	0	0	0	0	1	3
1698	11.0	Nudibranchia	0	0	0	0	2	1	0	0	0	0	0	0	2	3
1709	12.0	Yoldia lohmerina	0	0	0	0	0	0	0	3	0	0	0	0	1	3
1797	16.0	Lumbrinerides dayi	0	3	0	0	0	0	0	0	0	0	0	0	1	3
1807	16.0	Kinbergonuphis cedroensis	0	0	0	0	0	0	0	0	0	3	0	0	1	3
20	16.0	Armandia agilis	1	0	0	0	0	0	0	1	0	0	0	0	2	2
35	6.0	Cerebratulus luridus	Verr	1	0	0	0	0	1	0	0	0	0	0	2	2
37	16.0	Clymenella torquata	0	0	0	0	2	0	0	0	0	0	0	0	1	2
87	6.0	Nemertea (yellow & purple)	0	2	0	0	0	0	0	0	0	0	0	0	1	2
106	11.0	Volvulella texasiana	0	0	0	0	1	1	0	0	0	0	0	0	2	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
118	16.0	<i>Spio pettiboneae</i>	0	2	0	0	0	0	0	0	0	0	0	0	1	2
119	16.0	<i>Polydontes lupina</i>	0	0	0	0	1	0	0	0	1	0	0	0	2	2
126	16.0	<i>Sigambra wassi</i>	0	0	0	0	1	0	0	0	0	0	0	1	2	2
217	12.0	<i>Corbula dietziana</i>	0	0	2	0	0	0	0	0	0	0	0	0	1	2
218	31.0	<i>Brachyura</i>	0	2	0	0	0	0	0	0	0	0	0	0	1	2
245	4.0	Anemone (sand encrusted)	1	1	0	0	0	0	0	0	0	0	0	0	2	2
251	11.0	<i>Oliva sayana</i>	0	0	0	0	2	0	0	0	0	0	0	0	1	2
268	12.0	<i>Chione</i> sp	2	0	0	0	0	0	0	0	0	0	0	0	1	2
323	26.0	<i>Corophium</i> sp	0	0	0	0	0	2	0	0	0	0	0	0	1	2
324	31.0	Majidae	0	1	1	0	0	0	0	0	0	0	0	0	2	2
348	26.0	Amphipoda, brown spots	2	0	0	0	0	0	0	0	0	0	0	0	1	2
433	12.0	<i>Cardiomya ornatissima</i>	0	0	0	0	0	2	0	0	0	0	0	0	1	2
455	16.0	<i>Magelona pettiboneae</i>	0	1	0	0	0	1	0	0	0	0	0	0	2	2
458	16.0	<i>Chloeia viridis</i>	0	0	1	0	0	0	1	0	0	0	0	0	2	2
474	12.0	<i>Bivalvia</i> (dirty ventrum)	0	0	0	0	0	0	0	0	2	0	0	0	1	2
546	19.0	<i>Pycnogonida</i>	0	1	0	0	0	1	0	0	0	0	0	0	2	2
695	28.0	Cumacea, long pseudorost	0	0	0	1	0	0	0	1	0	0	0	0	2	2
734	6.0	Nemertea, long slen snout	2	0	0	0	0	0	0	0	0	0	0	0	1	2
835	41.0	Fish	0	0	0	0	0	0	1	0	0	1	0	0	2	2
847	31.0	<i>Callianassa jamaicense</i>	0	0	0	0	0	2	0	0	0	0	0	0	1	2
958	16.0	<i>Nereis lamellosa</i>	0	0	0	0	2	0	0	0	0	0	0	0	1	2
1010	16.0	<i>Lumbrineris</i> sp b	0	0	0	0	1	0	1	0	0	0	0	0	2	2
1105	26.0	<i>Ampelisca</i> (unid or frag)	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1244	16.0	<i>Maldane</i> sp	0	0	0	0	0	0	1	1	0	0	0	0	2	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1279	31.0	Penaeid	0	0	0	0	1	1	0	0	0	0	0	0	2	2
1323	23.0	Ostracoda Y	0	2	0	0	0	0	0	0	0	0	0	0	1	2
1445	16.0	Ophelia cf acuminata	0	1	1	0	0	0	0	0	0	0	0	0	2	2
1518	23.0	Ostracoda DD	0	0	1	0	0	1	0	0	0	0	0	0	2	2
1526	16.0	Mesochaetopterus capensis	0	1	1	0	0	0	0	0	0	0	0	0	2	2
1542	16	Califa calida	0	0	0	0	0	0	0	0	0	0	0	2	1	2
1625	12.0	Pectinidae	0	1	0	0	0	1	0	0	0	0	0	0	2	2
1667	31.0	Calappa sulcata	0	2	0	0	0	0	0	0	0	0	0	0	1	2
1671	26.0	Carinobatea sp.	0	1	0	0	0	0	0	0	0	1	0	0	2	2
1673	0.0	Clythrocerus sp.	0	2	0	0	0	0	0	0	0	0	0	0	1	2
1682	16.0	Archaeannelid	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1700	13.0	Fissidentalium sp.	0	0	0	0	2	0	0	0	0	0	0	0	1	2
1726	10.1	Chaetomorpha sp.	0	0	0	2	0	0	0	0	0	0	0	0	1	2
1740	10.2	Chaetopleura apiculata	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1761	16.0	Aedicira Sp	0	1	0	0	1	0	0	0	0	0	0	0	2	2
1773	16.0	Prionospio delta	0	0	0	0	0	0	0	0	0	2	0	0	1	2
1775	16.0	Prionospio dubia	0	0	0	0	1	0	1	0	0	0	0	0	2	2
1786	16.0	Caulierella sp.	0	2	0	0	0	0	0	0	0	0	0	0	1	2
1814	16.0	Marphysa cf. conferta	0	0	1	0	0	0	0	1	0	0	0	0	2	2
1816	16.0	Lumbrineris sp.	0	0	0	0	0	0	0	0	0	2	0	0	1	2
4	31.0	Albunea paretii	0	0	0	0	1	0	0	0	0	0	0	0	1	1
21	23.0	Ostracoda f	0	0	0	0	0	1	0	0	0	0	0	0	1	1
32	11.0	Cantharus cancellarius	0	0	0	0	1	0	0	0	0	0	0	0	1	1
63	16.0	Lepidonotus sublevis	0	0	0	0	0	0	1	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
122	16.0	Scoloplos rubra	0	0	0	0	1	0	0	0	0	0	0	0	1	1
137	11.0	Terebra protexta	1	0	0	0	0	0	0	0	0	0	0	0	1	1
203	13.0	Dentalium texasianum	0	0	0	0	1	0	0	0	0	0	0	0	1	1
222	31.0	Raninoides louisianensis Rath	0	0	0	0	0	0	1	0	0	0	0	0	1	1
230	28.0	Cumacea a	0	0	0	0	1	0	0	0	0	0	0	0	1	1
239	12.0	Chione clenchi	0	0	0	0	0	1	0	0	0	0	0	0	1	1
258	12.0	Lucinidae	0	0	0	0	0	0	0	1	0	0	0	0	1	1
266	12.0	Diplodonta sp	1	0	0	0	0	0	0	0	0	0	0	0	1	1
313	11.0	Rictaxis punctostriatus	1	0	0	0	0	0	0	0	0	0	0	0	1	1
336	16.0	Prionospio dayi	0	0	0	0	1	0	0	0	0	0	0	0	1	1
387	31.0	Alpheus floridanus	0	0	0	0	0	0	0	0	0	1	0	0	1	1
420	11.0	Gastropoda unid	0	0	0	0	0	1	0	0	0	0	0	0	1	1
461	23.0	Ostracoda l	0	0	0	0	1	0	0	0	0	0	0	0	1	1
464	4.0	Anemone (holothuroid like)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
480	31.0	Parthinopidae (spiny)	0	0	0	0	0	0	0	0	0	1	0	0	1	1
581	11.0	Anachis avara	0	0	0	0	1	0	0	0	0	0	0	0	1	1
633	16.0	Hobsonia florida	0	0	0	0	1	0	0	0	0	0	0	0	1	1
638	11.0	Nassarius vibex	0	0	1	0	0	0	0	0	0	0	0	0	1	1
676	16.0	Prionospio pygmaea	0	0	0	0	1	0	0	0	0	0	0	0	1	1
678	16.0	Phyllodocidae	1	0	0	0	0	0	0	0	0	0	0	0	1	1
697	16.0	Magelona unid	0	1	0	0	0	0	0	0	0	0	0	0	1	1
765	28.0	Oxyurostylis smithi	0	0	0	0	0	0	0	0	1	0	0	0	1	1
889	16.0	Lumbrineris ernesti	0	0	0	0	1	0	0	0	0	0	0	0	1	1
929	31.0	Alpheopsis harperi	0	0	0	0	0	0	0	0	1	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
937	4.0	Pennatulacea	0	0	0	0	0	1	0	0	0	0	0	0	1	1
978	16.0	Podarke sp	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1004	16.0	Scoloplos acmeceps	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1016	16.0	Lumbrineris sp a	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1024	16.0	Lumbrineris januarii	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1047	16.0	Phyllodoce arenae	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1110	12.0	Chione intapurpurea	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1113	16.0	Ninoe sp. A	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1167	16.0	Nephtys sp	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1207	31.0	Sicyonia sp	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1215	16.0	Aricidea (Aricidea) longicirra	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1217	16.0	Axiothella mucosa	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1225	16.0	Sarsonuphis hartmanae	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1237	16.0	Aricidea (Acmira) pseudearticu	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1258	16.0	Owenia sp A	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1259	16.0	Spiophanes sp	0	0	0	0	0	0	0	1	0	0	0	0	1	1
1275	12.0	Nuculana sp	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1321	23.0	Ostracoda W	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1330	27.0	Seriolis mgrayi	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1350	12.0	Mactra sp A (MMS)	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1363	11.0	Opalia sp A (MMS)	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1370	12.0	Lyonsia sp A (MMS)	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1402	10.1	Falcidens sp A (MMS)	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1406	16.0	Nephtys simoni	0	0	0	0	0	1	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1407	16.0	Diopatra neotridens	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1427	16.0	Paleonotus sp A (cf Vittor)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1475	16.0	Perolepis sp	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1482	16.0	Diopatra papillata	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1495	16.0	Aonides cf mayaguezensis	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1525	16.0	Paranaitis poly noides	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1528	16.0	Scalibregmidae	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1530	16.0	Nephtys squamosa	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1534	16.0	Macrochaeta sp.	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1535	16.0	Magelona sp. l (cf. vittor)	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1536	16.0	Leitoscoloplos sp.	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1539	16.0	Bogoea enigmatica	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1543	16.0	Synelmis klatti	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1565	16.0	Notomastus cf. a (cf. vittor)	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1599	31.0	Munida pusilla	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1618	11.0	Caecum vestitum	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1619	11.0	Caecum cooperi	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1661	23.0	Ostracoda EE	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1665	12.0	Mitrella sp. A	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1668	31.0	Hypoconcha spinosissima	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1670	0.0	Haliophasma sp.	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1674	43.0	Blenniidae	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1675	43.0	Symphurus sp.	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1676	6.0	Nemertea, eyes (mms)	0	1	0	0	0	0	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1677	12.0	Calyptraea centralis	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1678	6.0	Nemertea, speckled (mms)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1680	0.0	Clithocerus sp.	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1681	12.0	Lucina muricata	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1683	11.0	Urosalpinx sp.	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1685	26.0	Amphipoda, pedunculate eye (mm)	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1686	28.0	Cumacea, spiny carapace	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1688	31.0	Leptalpheus forceps	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1689	31.0	Myropsis quinquespinosa	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1690	28.0	Cumacea, trispine carapace	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1691	12.0	Solariorbis infracarinatus	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1693	10.0	Brachiopoda, Lingula like (mms)	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1694	31.0	Alpheus sp.	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1697	12.0	Lima cf. locklini	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1699	11.0	Episcynia sp. A (mms)	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1701	23.0	Ostracoda FF	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1702	28.0	Cumacea, 2 carapace ridges	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1704	12.0	Bivalvia, flat (mms)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1705	12.0	Tellina semiaspersa	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1706	11.0	Olivella watermanni	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1707	15.0	Echiuroidea (mms)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1710	26.0	Ampelisca, black eye (mms)	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1712	31.0	Alpheopsis, trispine hood	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1763	16.0	Prionospio (Minupsio) Sp. A (c	0	0	0	0	0	0	0	0	1	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1771	16.0	Polychaete Coenus B (cf Vittor	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1777	16.0	Eupolyornia nebulosa	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1787	16.0	Potamilla reniformis	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1788	16.0	Heplosyllis spongicola	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1789	16.0	Aspidobranchus sp	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1808	16.0	Kinbergonuphis multidentata	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1812	16.0	Eunice tennis	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1813	16.0	Kinbergonuphis cf. mixta	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1815	16.0	Lumbrineris sp. F	0	0	0	0	1	0	0	0	0	0	0	0	1	1
Total			842	809	358	168	1169	1092	223	181	224	205	262	76	972	5609

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Cruise 4

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1754	16.0	Lumbrineridae	133	3	8	1	180	14	12	11	136	33	10	57	12	598
652	16.0	Paraonidae	16	3	5	6	126	18	14	5	164	60	10	1	12	428
120	16.0	Paraprionospio pinnata	9	2	0	0	85	1	12	10	70	14	48	9	10	260
1588	26.0	Amphipod, conical snout (mms)	222	0	0	0	0	0	0	0	0	0	0	0	1	222
3	16.0	Aglaophamus verrilli	0	0	14	0	8	48	31	0	65	0	0	0	5	166
133	12.0	Tellina versicolor	77	27	0	0	22	11	0	0	29	0	0	0	5	166
93	16.0	Nereis micromma Harp	0	0	0	0	88	8	0	0	9	8	0	0	4	113
1587	26.0	Phoxocephalidae, small eye (mm)	83	21	0	0	0	0	0	0	0	0	0	0	2	104
5	26.0	Ampelisca abdita	10	0	2	0	33	5	0	0	20	17	0	0	6	87
74	16.0	Magelona sp H (cf vittor)	0	0	0	0	54	0	0	0	24	8	0	0	3	86
129	16.0	Spiophanes bombyx	74	1	0	0	6	3	0	0	0	0	0	0	4	84
650	26.0	Ampelisca agassizi	5	0	1	0	11	6	0	0	44	11	1	0	7	79
341	35.0	Ophiuroidea unid or fragment	12	7	9	1	9	18	6	0	12	2	0	0	9	76
665	26.0	Ampelisca verrilli	21	7	0	0	3	19	0	0	22	4	0	0	6	76
1596	27.0	Anthuridea	1	6	2	0	0	64	0	0	0	0	0	0	4	73
164	31.0	Paguridae	3	2	5	0	0	56	4	0	1	1	0	0	7	72
728	26.0	Haustoriidae	70	0	0	0	0	0	0	0	1	0	0	0	2	71
42	16.0	Diopatra cuprea	1	0	0	0	55	0	0	0	13	0	0	0	3	69
27	16.0	Asychis elongata	0	0	0	0	4	0	0	2	58	2	0	0	4	66
1333	12.0	Nucula sp A (MMS)	0	0	0	0	1	58	0	5	0	0	0	1	4	65
234	16.0	Spionidae	1	1	7	3	30	3	4	7	2	4	1	0	11	63
34	6.0	Cerebratulus lacteus Leid	15	2	2	3	11	0	1	5	2	8	8	4	11	61
89	16.0	Nephtys incisa	0	0	1	24	7	0	0	4	1	0	11	9	7	57
871	16.0	Spiophanes, blunt horns	1	0	0	0	0	3	1	0	50	0	0	0	4	55

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
84	11.0	Nassarius acutus	0	0	0	0	0	31	1	0	0	20	0	0	3	52
198	26.0	Amphipoda, un id	16	12	1	3	2	2	2	0	7	1	1	0	10	47
91	16.0	Nephtys picta	44	0	0	0	0	0	0	0	0	0	0	0	1	44
580	1.0	Foraminifera	0	0	0	32	0	1	1	7	0	0	1	2	6	44
1136	40.0	Branchiostoma	34	7	0	0	0	1	0	0	1	0	0	0	4	43
281	12.0	Linga amiantus	0	0	0	2	23	0	0	0	17	0	0	0	3	42
667	16.0	Prionospio cristata	6	2	0	0	14	0	0	0	20	0	0	0	4	42
1312	8.0	Cupuladria sp (MMS)	10	4	0	2	0	25	0	0	0	0	0	0	4	41
1	12.0	Abra aequalis	0	0	0	0	14	4	0	0	20	0	1	0	4	39
88	6.0	Nemertea (white)	1	0	2	0	11	1	0	8	11	2	0	0	7	36
359	16.0	Tharyx sp	5	0	0	0	2	7	0	0	2	0	6	12	6	34
649	16.0	Armandia maculata	8	0	0	0	3	2	0	3	11	5	1	0	7	33
1417	16.0	Euclymene sp A (cf Vittor)	9	0	8	2	12	0	2	0	0	0	0	0	5	33
948	16.0	Notomastus daueri	0	0	0	0	1	14	13	0	2	2	0	0	5	32
1080	16.0	Cossura soyeri	0	0	0	0	23	0	0	1	3	1	1	1	6	30
52	16.0	Glycera sp	3	2	1	0	0	2	3	1	12	1	1	0	9	26
77	16.0	Mediomastus californiensis	0	0	0	0	17	0	1	0	7	1	0	0	4	26
1358	12.0	Nucula ageensis	1	12	0	0	1	4	5	0	3	0	0	0	6	26
241	26.0	Monoculodes sp	14	2	0	0	0	0	0	0	4	5	0	0	4	25
263	16.0	Syllidae sp	1	5	5	4	1	6	3	0	0	0	0	0	7	25
1621	12.0	Semele nucloides	17	0	0	0	0	8	0	0	0	0	0	0	2	25
233	26.0	Photis macromanus	4	0	0	0	7	3	0	0	10	0	0	0	4	24
860	16.0	Nephtys, cryptomma	0	0	0	0	6	11	0	0	7	0	0	0	3	24
1406	16.0	Nephtys simoni	0	19	2	0	0	3	0	0	0	0	0	0	3	24

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
314	12.0	Parvilucina multilineata	13	1	0	0	3	1	0	0	5	0	0	0	5	23
1586	26.0	Phoxocephalidae, large eye (mm)	18	5	0	0	0	0	0	0	0	0	0	0	2	23
98	12.0	Nuculana acuta	1	1	0	1	9	0	0	0	9	0	0	1	6	22
1008	16.0	Paralacydonia paradoxa	0	0	0	10	0	0	2	8	0	0	2	0	4	22
381	26.0	Jassa sp	19	0	0	0	2	0	0	0	0	0	0	0	2	21
243	14.0	Aspidosiphon cf speciosus	2	0	0	0	6	1	3	0	8	0	0	0	5	20
1061	31.0	Caridea un id	3	0	16	0	0	0	0	0	0	1	0	0	3	20
1127	16.0	Lumbrineris sp	0	0	0	0	13	0	0	0	7	0	0	0	2	20
1572	16.0	Terebellidae, 2 branchiae	0	0	1	0	8	0	0	0	11	0	0	0	3	20
1224	16.0	Kinbergonuphis sp A	0	2	4	0	1	10	1	0	1	0	0	0	6	19
1370	12.0	Lyonsia sp A (MMS)	3	0	0	0	1	7	1	0	7	0	0	0	5	19
85	11.0	Natica pusilla	5	0	0	0	0	1	0	0	12	0	0	0	3	18
86	6.0	Nemertea (yellow banded)	0	0	0	0	14	0	0	1	2	1	0	0	4	18
155	16.0	Prionospio cirrifera	0	0	0	0	14	0	0	0	0	2	0	2	3	18
1662	29.0	Tanaid sp. A (mms)	0	0	0	0	0	1	0	0	11	5	1	0	4	18
1711	26.0	Amphipoda, broad hood (mms)	0	0	3	1	0	0	0	0	0	14	0	0	3	18
1015	16.0	Ampharete sp a	4	2	2	2	2	2	1	0	0	0	2	0	8	17
1364	11.0	Mysella sp A (MMS)	2	0	0	0	0	15	0	0	0	0	0	0	2	17
237	16.0	Goniadidae	0	0	0	1	9	3	0	0	0	3	0	0	4	16
588	26.0	Unciola irrorata	0	3	12	0	1	0	0	0	0	0	0	0	3	16
73	16.0	Magelona cincta	0	0	0	0	12	0	0	0	3	0	0	0	2	15
284	16.0	Prionospio sp	0	0	1	0	1	2	0	0	10	1	0	0	5	15
285	16.0	Laonice cirrata	0	0	7	0	1	5	2	0	0	0	0	0	4	15
345	16.0	Poecilochaetus johnsoni	0	2	0	0	0	1	11	0	1	0	0	0	4	15

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
22	31.0	Automate evermanni	0	0	1	0	3	0	0	0	0	6	3	1	5	14
33	16.0	Ceratocephale oculata	0	0	0	0	3	2	7	0	2	0	0	0	4	14
980	16.0	Notomastus americanus	0	1	3	0	0	0	0	0	0	0	10	0	3	14
1573	16.0	Melinna cristata	1	0	8	0	5	0	0	0	0	0	0	0	3	14
51	16.0	Glycinde solitaria	0	0	0	0	13	0	0	0	0	0	0	0	1	13
125	16.0	Sigambra tentaculata	0	0	0	0	2	0	1	2	2	2	2	2	7	13
202	12.0	Corbula (Varicorbula) oper	0	0	0	0	0	5	0	0	1	2	0	5	4	13
1316	8.0	Bryozoan, cup shape	0	1	0	0	0	12	0	0	0	0	0	0	2	13
1337	12.0	Lucina sp A (MMS)	4	1	0	0	8	0	0	0	0	0	0	0	3	13
1391	12.0	Lucina sp B (MMS)	0	0	0	0	0	13	0	0	0	0	0	0	1	13
187	12.0	Bivalvia unid	0	0	0	1	4	2	1	0	4	0	0	0	5	12
269	16.0	Terebellides stroemi	0	0	3	0	1	3	0	0	5	0	0	0	4	12
1228	16.0	Goniada brunnea	0	0	0	1	0	0	7	0	0	2	1	0	4	11
1371	12.0	Tellina squamifera	0	0	0	0	0	11	0	0	0	0	0	0	1	11
1574	16.0	Kinbergonuphis sp. C (cf. Vitt	0	0	0	0	0	7	3	0	1	0	0	0	3	11
1607	28.0	Cumacea, frontal notch	3	1	0	0	0	0	0	0	7	0	0	0	3	11
1728	12.0	Thyasira trisinuata	0	0	0	0	0	10	1	0	0	0	0	0	2	11
97	16.0	Notomastus latericeus	0	0	0	0	1	3	5	0	0	0	1	0	4	10
215	16.0	Polynoidae	1	1	0	0	3	2	0	2	0	1	0	0	6	10
349	16.0	Maldanidae	1	0	0	0	1	3	2	0	1	0	2	0	6	10
373	16.0	Prionospio cirrobranchiata	0	10	0	0	0	0	0	0	0	0	0	0	1	10
541	26.0	Listriella barnardi	0	0	0	0	6	1	0	0	0	3	0	0	3	10
959	16.0	Goniada littorea	4	0	0	0	3	1	0	0	0	2	0	0	4	10
1105	26.0	Ampelisca (unid or frag)	0	0	0	2	0	8	0	0	0	0	0	0	2	10

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1209	16.0	Magelona sp I (cf Vittor)	0	0	0	0	0	1	0	0	7	2	0	0	3	10
1344	13.0	Laevidentalium callipeplum	0	0	0	0	0	10	0	0	0	0	0	0	1	10
428	11.0	Olivella dealbata	9	0	0	0	0	0	0	0	0	0	0	0	1	9
1619	11.0	Caecum cooperi	9	0	0	0	0	0	0	0	0	0	0	0	1	9
1672	27.0	Gnathia sp.	0	0	0	0	0	5	4	0	0	0	0	0	2	9
96	16.0	Notomastus hemipodus	1	0	2	0	3	1	1	0	0	0	0	0	5	8
436	16.0	Nereidae unid or frag	5	1	0	0	1	1	0	0	0	0	0	0	4	8
872	16.0	Goniada sp	0	0	0	0	0	7	0	0	0	1	0	0	2	8
1104	16.0	Schistomeringos cf rudolphi	0	0	0	0	0	0	0	6	2	0	0	0	2	8
1214	16.0	Ninoe sp B	0	0	0	0	0	0	0	0	0	0	0	8	1	8
1313	10.0	Glottidia sp (MMS)	1	0	0	0	0	0	0	0	7	0	0	0	2	8
1521	23.0	Ostracoda GG	0	0	0	0	0	0	0	0	8	0	0	0	1	8
1583	6.0	Nemertea, white, flat head	0	0	0	5	0	0	0	2	1	0	0	0	3	8
1727	12.0	Poromya elongata	0	0	0	0	0	8	0	0	0	0	0	0	1	8
71	12.0	Macoma tenta	0	0	0	0	0	6	0	1	0	0	0	0	2	7
137	11.0	Terebra protexta	3	0	0	0	0	0	0	0	4	0	0	0	2	7
213	12.0	Crassinella lunulata	2	0	0	0	0	4	0	0	1	0	0	0	3	7
658	16.0	Tharyx marioni	0	6	0	0	0	0	0	0	0	1	0	0	2	7
775	16.0	Gyptis brevipalpa	1	0	1	1	1	0	0	1	1	0	0	1	7	7
1473	16.0	Sarsonuphis sp	0	0	2	3	0	0	2	0	0	0	0	0	3	7
1538	16.0	Polygordius sp.	3	0	0	0	0	1	3	0	0	0	0	0	3	7
99	12.0	Nuculana concentrica	0	0	0	0	6	0	0	0	0	0	0	0	1	6
122	16.0	Scoloplos rubra	0	0	0	0	1	0	0	0	5	0	0	0	2	6
171	7.0	Nematoda	2	0	2	0	1	0	0	1	0	0	0	0	4	6

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
194	31.0	Callianassa sp	0	0	1	1	0	1	1	1	1	0	0	0	6	6
222	31.0	Raninoides louisianensis Rath	0	0	0	0	0	0	0	1	0	0	5	0	2	6
635	29.0	Hargeria rapax	0	0	0	6	0	0	0	0	0	0	0	0	1	6
1334	12.0	Nuculana sp A (MMS)	0	0	0	0	0	0	6	0	0	0	0	0	1	6
1388	12.0	Solemya occidentalis	0	2	0	0	0	4	0	0	0	0	0	0	2	6
1405	12.0	Yoldia lohrina	0	0	0	0	0	0	0	0	1	0	0	5	2	6
1507	16.0	Sthenelais sp A (cf Vittor)	0	0	2	0	0	0	0	1	3	0	0	0	3	6
157	31.0	Spiocarcinus lobatus	0	2	0	0	1	0	0	2	0	0	0	0	3	5
393	16.0	Goniada teres	0	0	0	0	0	0	0	0	3	2	0	0	2	5
447	23.0	Ostracoda k	5	0	0	0	0	0	0	0	0	0	0	0	1	5
477	16.0	Eunice antennata	0	0	5	0	0	0	0	0	0	0	0	0	1	5
484	16.0	Sabellidae	1	0	3	0	1	0	0	0	0	0	0	0	3	5
487	16.0	Ampharete sp	0	0	5	0	0	0	0	0	0	0	0	0	1	5
603	41.0	Bregmaceros atlanticus	0	0	0	4	0	0	1	0	0	0	0	0	2	5
674	35.0	Ophiuroidea, arm fragment	0	0	0	1	2	0	0	0	2	0	0	0	3	5
756	30.0	Mysidopsis sp (frag or unid)	0	0	0	0	0	0	0	0	0	3	2	0	2	5
982	16.0	Marphysa sp b	0	0	0	0	0	0	4	0	0	0	1	0	2	5
1518	23.0	Ostracoda DD	0	3	1	0	0	1	0	0	0	0	0	0	3	5
1577	16.0	Thalenessa sp. A (cf. Vittor)	0	0	0	0	0	0	0	1	0	0	0	4	2	5
1602	27.0	Flabellifera	0	0	0	1	0	1	0	3	0	0	0	0	3	5
1646	12.0	Divaricella quadrisulcata	0	0	0	0	0	5	0	0	0	0	0	0	1	5
1730	26.0	Lembos sp.	0	0	0	0	0	0	5	0	0	0	0	0	1	5
1737	26.0	Amphipoda, alpheid-like	0	0	0	0	0	0	0	0	0	5	0	0	1	5
1757	16.0	Prionospio Sp. A (mmc)	0	0	0	5	0	0	0	0	0	0	0	0	1	5

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
156	16.0	Scolecopsis squamata	1	2	0	0	0	1	0	0	0	0	0	0	3	4
372	16.0	Megalomma bioculatum	0	0	0	0	1	2	1	0	0	0	0	0	3	4
1258	16.0	Owenia sp A	1	0	0	0	3	0	0	0	0	0	0	0	2	4
1286	14.0	Golfingia	0	0	0	0	1	0	0	2	1	0	0	0	3	4
1624	11.0	Opisthobranchia	0	0	0	0	0	0	0	0	0	0	3	1	2	4
1717	12.0	Tellina texana	2	0	0	0	0	0	0	0	1	1	0	0	3	4
1719	12.0	Poromya sp. A (mms)	2	0	0	0	0	2	0	0	0	0	0	0	2	4
1726	10.1	Chaetomorpha sp.	0	0	0	1	0	0	0	0	0	0	0	3	2	4
1735	31.0	Leiolambrus nitidus	0	0	0	0	0	0	0	0	0	4	0	0	1	4
37	16.0	Clymenella torquata	0	0	0	0	2	0	1	0	0	0	0	0	2	3
103	28.0	Oxyurostylis salinoi	0	0	0	0	0	0	0	0	0	3	0	0	1	3
154	16.0	Polydora socialis	0	2	0	0	0	0	0	0	1	0	0	0	2	3
302	11.0	Volvulella persimilis	0	0	0	0	0	0	0	0	2	0	1	0	2	3
461	23.0	Ostracoda l	1	2	0	0	0	0	0	0	0	0	0	0	2	3
464	4.0	Anemone (holothuroid like)	3	0	0	0	0	0	0	0	0	0	0	0	1	3
521	16.0	Chaetozone sp	0	0	0	1	0	0	0	0	0	0	2	0	2	3
569	31.0	Chasmocarcinus mississippi	0	0	0	0	0	0	0	1	0	2	0	0	2	3
706	27.0	Edotea montosa	3	0	0	0	0	0	0	0	0	0	0	0	1	3
734	6.0	Nemertea, long slen snout	0	0	0	0	1	0	0	0	0	1	1	0	3	3
746	16.0	Ophioglycera sp	0	0	0	0	0	0	0	0	0	3	0	0	1	3
835	41.0	Fish	0	0	0	0	0	0	0	0	0	3	0	0	1	3
874	28.0	Oxyurostylis sp	0	0	0	0	0	0	0	0	3	0	0	0	1	3
1066	31.0	Alpheus heterochaelis	0	0	0	0	0	0	0	0	0	3	0	0	1	3
1167	16.0	Nephtys sp	1	1	0	0	1	0	0	0	0	0	0	0	3	3

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1219	0.0	Magelona sp J (cf Vittor)	0	0	0	0	0	0	0	0	0	3	0	0	1	3
1295	13.0	Scaphopod	1	0	0	1	0	0	0	0	0	1	0	0	3	3
1366	12.0	Lucina radians	3	0	0	0	0	0	0	0	0	0	0	0	1	3
1402	10.1	Falcidens sp A (MMS)	0	0	0	1	0	0	0	2	0	0	0	0	2	3
1438	16.0	Pseudovermilla occidentalis	0	1	1	0	1	0	0	0	0	0	0	0	3	3
1512	12.0	Astarte nana	0	2	0	0	0	1	0	0	0	0	0	0	2	3
1569	16.0	Cossura, long segments	0	0	0	1	0	0	0	0	0	0	0	2	2	3
1570	16.0	Cirriformia sp. A (cf. Vittor)	0	0	2	0	1	0	0	0	0	0	0	0	2	3
1578	16.0	Anaitides sp.	0	0	0	0	0	0	0	0	3	0	0	0	1	3
1631	12.0	Propeamussiums sp.	0	2	0	0	1	0	0	0	0	0	0	0	2	3
1658	10.1	Scutopus sp.	0	0	0	0	0	0	0	1	0	0	0	2	2	3
1715	11.0	Turbonilla hemphilli	3	0	0	0	0	0	0	0	0	0	0	0	1	3
20	16.0	Armandia agilis	1	0	1	0	0	0	0	0	0	0	0	0	2	2
112	14.0	Phascolion strombi	0	0	0	0	1	1	0	0	0	0	0	0	2	2
113	9.0	Phoronis architecta	0	1	0	0	0	1	0	0	0	0	0	0	2	2
116	31.0	Pinnixa sp (frag or unid)	1	0	0	0	0	1	0	0	0	0	0	0	2	2
118	16.0	Spio pettiboneae	0	0	0	0	0	0	0	0	1	1	0	0	2	2
153	16.0	Paleonotus heteroseta	0	0	1	0	1	0	0	0	0	0	0	0	2	2
257	0.0	Mytilidae	0	1	0	0	0	1	0	0	0	0	0	0	2	2
402	16.0	Amaeana trilobata	0	0	1	0	1	0	0	0	0	0	0	0	2	2
419	16.0	Cirratulidae	0	0	0	0	0	2	0	0	0	0	0	0	1	2
433	12.0	Cardiomya ornatissima	0	0	0	0	0	2	0	0	0	0	0	0	1	2
485	31.0	Brachyura (megalops)	0	0	0	1	0	0	0	0	0	0	1	0	2	2
494	6.0	Nemertean	1	0	1	0	0	0	0	0	0	0	0	0	2	2

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 Cruise 4

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
538	16.0	Chone sp	0	0	0	0	0	1	0	0	1	0	0	0	2	2
607	16.0	Eteone lactea	1	0	0	0	0	0	0	0	1	0	0	0	2	2
678	16.0	Phyllodocidae	0	0	1	0	0	1	0	0	0	0	0	0	2	2
719	12.0	Leptonidae	0	0	0	0	0	0	0	2	0	0	0	0	1	2
762	36.0	Astropecten sp	0	0	0	1	0	0	0	0	0	1	0	0	2	2
774	16.0	Loimia medusa	1	0	0	0	0	1	0	0	0	0	0	0	2	2
958	16.0	Nereis lamellosa	2	0	0	0	0	0	0	0	0	0	0	0	1	2
998	16.0	Diopatra tridentata	0	0	1	0	1	0	0	0	0	0	0	0	2	2
1062	28.0	Cumacea bb	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1171	6	Nemertea (purple band)	0	0	0	0	0	0	0	0	2	0	0	0	1	2
1352	11.0	Turbonilla sp B (MMS)	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1382	11.0	Urosalpinx tampaensis	0	0	0	0	0	0	0	0	2	0	0	0	1	2
1403	12.0	Mysella sp B (MMS)	0	0	0	2	0	0	0	0	0	0	0	0	1	2
1439	16.0	Dorvilleidae	0	0	0	0	0	2	0	0	0	0	0	0	1	2
1503	16.0	Anaitides maderiensis	0	0	0	0	1	0	0	0	1	0	0	0	2	2
1542	16.0	Califa calida	0	0	0	2	0	0	0	0	0	0	0	0	1	2
1571	16.0	Chone sp. A (cf. Vittor)	0	0	1	0	1	0	0	0	0	0	0	0	2	2
1617	37.0	Brissopsis sp.	0	0	1	0	0	0	0	1	0	0	0	0	2	2
1618	11.0	Caecum vestitum	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1625	12.0	Pectinidae	0	0	0	0	0	2	0	0	0	0	0	0	1	2
1638	11.0	Olivella sp. B (mms)	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1645	12.0	Pitar fulminata	0	1	0	0	0	1	0	0	0	0	0	0	2	2
1721	12.0	Codakia orbicularis	0	1	0	0	0	1	0	0	0	0	0	0	2	2
1725	10.1	Pruvotina	0	0	0	1	0	0	1	0	0	0	0	0	2	2

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Cruise 4

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1729	26.0	Amphipoda, hood, no eyes (mms)	0	0	0	0	0	0	2	0	0	0	0	0	1	2
1733	11.0	Mangelia sp. D (mms)	0	0	0	0	0	0	0	0	2	0	0	0	1	2
1756	16.0	Ampharete Sp. B (mms)	0	0	2	0	0	0	0	0	0	0	0	0	1	2
15	16.0	Ancistrosyllis hartmanae	0	0	0	0	1	0	0	0	0	0	0	0	1	1
35	6.0	Cerebratulus luridus Verr	0	0	0	0	0	0	0	0	0	0	0	1	1	1
63	16.0	Lepidonotus sublevis	0	0	0	0	0	0	1	0	0	0	0	0	1	1
87	6.0	Nemertea (yellow & purple)	0	0	0	0	1	0	0	0	0	0	0	0	1	1
106	11.0	Volvulella texasiana	0	0	0	0	0	1	0	0	0	0	0	0	1	1
148	14.0	Golfingia cf trichocephala	1	0	0	0	0	0	0	0	0	0	0	0	1	1
150	31.0	Isocheles wurdemanni	0	0	0	0	0	0	0	0	1	0	0	0	1	1
151	16.0	Malacoceros vanderhorsti	0	0	0	0	0	0	0	0	1	0	0	0	1	1
167	31.0	Xanthidae	0	0	0	0	0	0	0	0	0	0	1	0	1	1
169	4.0	Anemone un id	0	0	1	0	0	0	0	0	0	0	0	0	1	1
176	31	Portunidae	0	0	0	0	0	1	0	0	0	0	0	0	1	1
191	31.0	Penaeidae (post larva)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
204	16.0	Terebellidae	0	0	0	0	0	0	0	0	1	0	0	0	1	1
214	31.0	Persephona crinata	0	0	0	0	0	1	0	0	0	0	0	0	1	1
216	16.0	Chaetopteridae	0	0	0	0	0	0	0	1	0	0	0	0	1	1
217	12.0	Corbula dietziana	0	0	0	0	0	0	1	0	0	0	0	0	1	1
249	31.0	Leptochela serratorbita	1	0	0	0	0	0	0	0	0	0	0	0	1	1
296	5.0	Turbellaria	0	0	0	0	0	0	0	0	1	0	0	0	1	1
305	11.0	Acteocina canaliculata	0	0	0	0	0	0	0	0	1	0	0	0	1	1
324	31.0	Majidae	0	1	0	0	0	0	0	0	0	0	0	0	1	1
325	31.0	Shrimp	0	0	0	0	0	0	1	0	0	0	0	0	1	1

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Cruise 4

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
398	31.0	Decapod megalops	0	0	1	0	0	0	0	0	0	0	0	0	1	1
408	31.0	Goneplax sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
420	11.0	Gastropoda unid	0	0	0	0	0	0	0	0	0	0	0	1	1	1
424	16.0	Litocorsa cf stremma	0	0	0	0	0	0	1	0	0	0	0	0	1	1
523	12.0	Strigilla mirabilis	1	0	0	0	0	0	0	0	0	0	0	0	1	1
528	16.0	Paranaitis speciosa	0	0	0	0	0	0	0	0	1	0	0	0	1	1
559	16.0	Onuphidae	0	0	0	0	0	1	0	0	0	0	0	0	1	1
619	16.0	Anaitides mucosa	0	0	1	0	0	0	0	0	0	0	0	0	1	1
656	16.0	Capitellidae (frag or unid)	1	0	0	0	0	0	0	0	0	0	0	0	1	1
664	25.0	Squilla sp	0	0	0	0	0	1	0	0	0	0	0	0	1	1
695	28.0	Cumacea, long pseudorost	0	0	0	1	0	0	0	0	0	0	0	0	1	1
808	31.0	Pinnixa cf chaetoperana	0	0	0	0	0	1	0	0	0	0	0	0	1	1
827	16.0	Chone americana	0	0	0	0	1	0	0	0	0	0	0	0	1	1
868	16.0	Isolda pulchella	1	0	0	0	0	0	0	0	0	0	0	0	1	1
931	11.0	Mitrella lunata	1	0	0	0	0	0	0	0	0	0	0	0	1	1
937	4.0	Pennatulacea	0	0	0	0	0	1	0	0	0	0	0	0	1	1
994	16.0	Onuphis sp a	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1022	16.0	Ophiodromus sp	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1041	31.0	Portunus gibbesii	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1047	16.0	Phyllodoce arenae	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1110	12.0	Chione intapurpurea	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1124	16.0	Spiochaetopterus costarum	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1250	0.0	Sthenelanelia sp A	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1264	16.0	Pseudeurythoe paucibranchiata	0	0	0	0	0	0	0	0	0	1	0	0	1	1

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Mississippi-Alabama Marine Ecosystem Study
Infauna Species Summaries
Cruise 4

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1279	31.0	Penaeid	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1288	14.0	Sipunculida	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1315	31.0	Albunea gibbesi	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1336	12.0	Verticardia ornata	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1341	11.0	Niso aeglees	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1343	13.0	Polyshides carolinensis	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1354	11.0	Strombiformis hemphilli	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1385	11.0	Gouldia cerina	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1390	12.0	Pythinella cuneata	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1407	16.0	Diopatra neotridens	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1427	16.0	Paleonotus sp A (cf Vittor)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1433	16.0	Caulleriella cf alata	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1479	16.0	Rhaphobranchium atlanticum	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1489	16.0	Nothria sp	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1498	16.0	Aglaophamus circinata	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1533	16.0	Pseudeurythoe sp.	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1541	16	Nereidae, acicular no tosetae	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1565	16.0	Notomastus cf. a (cf. vittor)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1568	16.0	Chaetzone sp. B (cf. Vittor)	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1575	16.0	Rhinothelepis sp. A (cf. Vitto)	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1576	16.0	Eunice tenuis	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1579	16.0	Sabellaria sp. A (cf. Vittor)	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1580	16.0	Hydroides sp.	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1581	16.0	Kinbergonuphis sp. B (cf. Vitt	0	0	1	0	0	0	0	0	0	0	0	0	1	1

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Infauna Species Summaries
Cruise 4

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1582	16.0	Scyphoplatyproctus (?)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1584	6.0	Nemertea, 2 "eyes"	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1585	8.0	Bryozoa, round operculum (mms)	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1593	27.0	Seriolis mgrayi	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1627	12.0	Lima scabra	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1641	11.0	Anachis floridana	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1642	12.0	Laevicardium pictum	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1647	12.0	Verticordia sp. A (mms)	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1659	10.1	Prochaetoderma sp.	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1663	28.0	Cumacea, dorsal carinal spine	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1673	0.0	Clythrocerus sp.	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1677	12.0	Calyptraea centralis	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1694	31.0	Alpheus sp.	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1701	23.0	Ostracoda FF	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1712	31.0	Alpheopsis, trispine hood	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1713	31.0	Collodes sp.	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1714	31.0	Ovalipes ocellatus	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1716	11.0	Sigatica carolinensis	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1718	12.0	Cummingia coarctica	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1720	23.0	Ostracoda JJ	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1722	12.0	Lyonsia sp. C (mms)	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1723	11.0	Pyramidella sp. A (mms)	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1724	27.0	Cymothoidae	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1731	12.0	Amphissa sp.	0	0	0	0	0	0	0	1	0	0	0	0	1	1

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 Mississippi-Alabama Marine Ecosystem Study
 Infauna Species Summaries
 Cruise 4

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1732	23.0	Ostracoda KK	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1734	31.0	Alpheus, emarginate hood	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1736	28.0	Cumacea, car. spines, serr. ma	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1738	25.0	Squilla chydaea	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1746	28.0	Cumacea AA (mms)	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1751	31.0	Goneplax Sigshei	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1753	31.0	Xanthidae, orange, deep water	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1755	16.0	Heterospio Sp	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1758	16.0	Kinbergonuphis Sp.	0	0	0	0	0	0	1	0	0	0	0	0	1	1
Total			1107	220	184	144	1059	687	204	113	1053	299	146	136	771	5352

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All Cruises

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
649	16.0	Armandia maculata	40	59	9	7	64	14	2	14	24	32	10	1355	39	1630
120	16.0	Paraprionospio pinnata	37	50	57	10	139	39	160	292	202	119	153	43	53	1301
66	16.0	Lumbrineris verrilli	Perk 177	6	8	0	368	71	8	33	282	23	19	93	39	1088
133	12.0	Tellina versicolor	311	114	6	0	178	113	4	0	131	8	6	0	27	871
667	16.0	Prionospio cristata	42	348	15	0	82	26	1	0	249	3	3	0	22	769
1754	16.0	Ampharete Sp. B (mms)	133	3	8	1	180	14	12	11	136	33	10	57	12	598
77	16.0	Mediomastus californiensis	16	1	9	2	108	111	55	3	186	8	5	0	36	504
198	26.0	Amphipoda, un id	181	55	79	10	20	43	11	5	19	11	6	3	45	443
1235	16.0	Lumbrineris sp D	293	0	60	0	68	2	1	1	6	7	2	0	20	440
652	16.0	Paraonidae	18	3	5	6	127	18	14	5	165	60	10	1	15	432
93	16.0	Nereis micromma	Harp 8	0	4	0	121	60	2	0	197	19	16	0	30	427
129	16.0	Spiophanes bombyx	184	38	0	0	132	27	2	0	2	3	0	0	22	388
263	16.0	Syllidae sp	25	120	123	7	61	35	10	1	1	0	3	1	26	387
3	16.0	Aglaophamus verrilli	2	5	50	0	51	118	58	0	85	3	1	0	28	373
5	26.0	Ampelisca abdita	68	9	11	4	54	13	1	0	157	41	4	0	33	362
1015	16.0	Ampharete sp a	48	26	84	2	105	70	1	0	8	1	2	0	22	347
164	31.0	Paguridae	7	34	24	1	26	207	7	1	1	3	1	0	30	312
1316	8.0	Bryozoan, cup shape	21	70	10	0	187	19	0	0	0	0	0	0	13	307
89	16.0	Nephtys incisa	1	1	4	74	7	0	3	50	24	40	37	47	36	288
1312	8.0	Cupuladria sp (MMS)	58	61	42	14	68	40	0	0	0	0	0	0	22	283
171	7.0	Nematoda	24	27	157	2	38	5	8	13	0	5	2	0	21	281
1334	12.0	Nuculana sp A (MMS)	0	0	6	0	9	208	44	0	0	5	4	3	13	279
1588	26.0	Amphipod, conical snout (mms)	263	13	0	0	0	0	0	0	1	0	0	0	5	277
314	12.0	Parvilucina multilineata	42	1	7	2	144	45	4	0	14	0	4	0	20	263

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun	
285	16.0	Laonice cirrata	8	29	109	1	12	71	18	2	1	0	3	0	27	254	
580	1.0	Foraminifera	4	37	6	98	0	4	10	52	1	3	12	21	28	248	
1587	26.0	Phoxocephalidae, small eye (mm)	122	88	17	0	4	0	0	0	0	0	0	0	9	231	
84	11	Nassarius acutus	0	0	1	0	2	180	1	0	0	23	0	0	11	207	
91	16.0	Nephtys picta	126	1	1	0	73	1	0	0	0	0	0	0	11	202	
34	6.0	Cerebratulus lacteus	Leid	29	5	12	6	21	6	11	28	20	20	35	6	44	199
992	16.0	Aricidea quadrilobata	48	11	1	0	0	0	1	2	132	2	2	0	8	199	
650	26.0	Ampelisca agassizi	24	5	4	2	22	16	0	0	103	16	6	0	25	198	
98	12.0	Nuculana acuta	1	1	0	1	70	93	11	0	9	0	0	7	13	193	
341	35.0	Ophiuroidea unid or fragment	27	16	17	14	19	52	12	2	19	5	6	2	34	191	
665	26.0	Ampelisca verrilli	52	12	1	5	24	32	0	0	56	4	1	0	19	187	
1222	16.0	Lumbrineris sp E	84	0	42	0	43	1	0	0	0	1	0	0	11	171	
1313	10.0	Glottidia sp (MMS)	18	0	5	1	116	9	0	1	8	0	0	0	13	158	
345	16.0	Poecilochaetus johnsoni	0	79	4	0	11	41	17	0	2	1	1	0	19	156	
1136	40.0	Branchiostoma	64	41	0	0	47	2	0	0	2	0	0	0	14	156	
1	12.0	Abra aequalis	3	0	19	0	57	41	8	0	23	0	3	0	18	154	
27	16.0	Asychis elongata	2	0	11	1	10	0	1	3	113	2	4	0	21	147	
97	16.0	Notomastus latericeus	1	51	32	1	1	19	18	1	1	4	17	0	22	146	
241	26.0	Monoculodes sp	26	20	6	1	3	18	0	0	62	5	1	0	19	142	
88	6.0	Nemertea (white)	18	11	9	5	25	5	8	9	29	10	8	0	33	137	
373	16.0	Prionospio cirrobranchiata	0	123	5	0	3	3	0	0	2	0	1	0	10	137	
1483	16.0	Aricidea lopezi	3	61	1	0	19	18	2	0	29	0	1	0	13	134	
42	16.0	Diopatra cuprea	2	0	0	0	68	8	1	0	44	4	4	1	17	132	
1358	12.0	Nucula ageensis	1	13	1	0	17	16	54	0	21	2	1	0	19	126	

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
187	12.0	<i>Bivalvia unid</i>	18	11	13	5	22	34	4	3	7	3	2	3	25	125
74	16.0	<i>Magelona sp H (cf vittor)</i>	0	0	0	0	64	0	0	0	44	8	2	0	7	118
233	26.0	<i>Photis macromanus</i>	59	1	0	0	7	5	0	0	40	0	0	0	12	112
1411	16.0	<i>Cirrophorus americanus</i>	8	8	12	0	58	4	6	2	2	2	8	0	20	110
155	16.0	<i>Prionospio cirrifera</i>	3	11	14	0	31	5	0	1	34	5	0	2	19	106
986	16.0	<i>Cirrophorus lyra</i>	13	4	23	0	39	10	3	7	0	1	6	0	20	106
1214	16.0	<i>Ninoe sp B</i>	0	0	10	0	0	0	11	10	3	27	26	19	20	106
33	16.0	<i>Ceratocephale oculata</i>	5	31	1	0	27	8	13	0	14	0	6	0	26	105
1406	16.0	<i>Nephtys simoni</i>	7	66	4	0	4	23	0	0	1	0	0	0	12	105
948	16.0	<i>Notomastus daueri</i>	0	0	1	0	5	60	13	0	2	14	5	0	15	100
1258	16.0	<i>Owenia sp A</i>	11	2	1	0	31	11	0	0	43	0	0	0	13	99
1460	16.0	<i>Levinsenia gracilis</i>	5	13	45	2	3	2	2	2	10	6	8	0	20	98
1596	27.0	<i>Anthuridea</i>	1	7	24	0	2	64	0	0	0	0	0	0	10	98
96	16.0	<i>Notomastus hemipodus</i>	1	6	6	0	4	21	4	0	0	5	49	0	21	96
1449	16.0	<i>Eunice cf vittata</i>	0	9	48	0	34	4	0	0	0	0	0	0	8	95
112	14.0	<i>Phascolion strombi</i>	6	3	5	1	11	58	9	0	0	1	0	0	22	94
150	31.0	<i>Isocheles wurdemanni</i>	0	0	0	0	93	0	0	0	1	0	0	0	2	94
920	16.0	<i>Aricidea simplex</i>	0	1	70	2	2	1	1	15	0	0	2	0	12	94
658	16.0	<i>Tharyx marioni</i>	3	11	12	6	6	15	11	6	4	3	10	5	22	92
827	16.0	<i>Chone americana</i>	79	3	3	0	4	1	0	0	0	1	1	0	9	92
1573	16.0	<i>Melinna cristata</i>	6	0	77	0	9	0	0	0	0	0	0	0	8	92
698	27.0	<i>Xenanthura brevitelson</i>	2	6	28	0	8	42	5	0	0	0	0	0	15	91
758	30.0	<i>Mysidopsis bigelowi</i>	0	0	0	0	0	0	0	0	90	0	0	0	1	90
1008	16.0	<i>Paralacydonia paradoxa</i>	0	0	10	37	0	0	11	25	0	0	4	0	18	87

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1269	16.0	Spiophanes cf. wigley	0	30	41	1	0	1	9	2	0	0	2	0	14	86
1344	13.0	Laevidentalium callipeplum	8	1	0	0	1	37	11	2	10	4	10	2	18	86
213	12.0	Crassinella lunulata	27	26	0	0	14	16	0	0	1	0	0	0	12	84
1586	26.0	Phoxocephalidae, large eye (mm)	48	16	12	1	2	0	0	0	0	1	3	0	14	83
860	16.0	Nephtys, cryptomma	1	3	0	0	10	53	0	0	12	0	0	0	10	79
1263	16.0	Axiothella sp A	58	2	6	0	0	7	6	0	0	0	0	0	7	79
234	16.0	Spionidae	1	4	8	5	30	4	4	8	3	5	2	4	20	78
708	12.0	Tellina sp	69	0	3	0	2	2	0	0	0	0	0	0	5	76
728	26.0	Haustoriidae	74	0	0	0	0	0	0	0	1	0	0	0	4	75
1080	16.0	Cossura soyeri	0	0	6	1	23	0	2	3	21	4	7	8	21	75
977	16.0	Axiothella sp	8	10	3	0	41	2	10	0	0	0	0	0	8	74
153	16.0	Paleonotus heteroseta	1	7	19	0	46	0	0	0	0	0	0	0	9	73
588	26.0	Unciola irrorata	1	7	61	0	1	1	1	0	1	0	0	0	10	73
86	6.0	Nemertea (yellow banded)	5	5	6	0	29	1	4	8	6	1	4	2	27	71
494	6.0	Nemertean	5	3	3	1	36	4	6	3	3	1	4	0	22	69
1333	12.0	Nucula sp A (MMS)	0	0	1	0	1	58	0	5	0	0	0	1	5	66
476	28.0	Cumacea sp	30	8	6	2	9	2	0	0	8	0	0	0	15	65
676	16.0	Prionospio pygmaea	2	5	6	7	4	2	0	5	3	1	9	21	20	65
284	16.0	Prionospio sp	0	9	6	6	2	13	3	0	14	1	7	0	18	61
980	16.0	Notomastus americanus	1	13	8	1	0	19	1	0	1	1	14	2	15	61
1662	28.0	Cumacea, dorsal carinal spine	1	3	0	4	10	6	0	0	11	19	4	3	13	61
85	11.0	Natica pusilla	20	4	1	0	18	4	0	1	12	0	0	0	14	60
281	12.0	Linga amiantus	0	0	0	2	30	0	0	0	27	0	0	0	6	59
365	16.0	Aricidea fragilis	1	7	4	0	19	1	2	0	18	6	1	0	17	59

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1286	14.0	Golfingia	0	0	5	6	1	1	39	2	2	0	1	1	13	58
148	14.0	Golfingia cf trichocephala	1	0	16	4	0	1	32	1	1	0	0	0	9	56
1607	28.0	Cumacea, frontal notch	46	1	0	0	2	0	0	0	7	0	0	0	5	56
369	16.0	Microspio pigmentata	0	0	1	2	36	0	0	1	15	0	0	0	9	55
405	16.0	Ceratonereis irritabilis	3	0	0	0	44	5	0	0	3	0	0	0	6	55
871	16.0	Spiophanes, blunt horns	1	0	0	0	0	3	1	0	50	0	0	0	4	55
1337	12.0	Lucina sp A (MMS)	11	13	2	3	12	13	0	0	0	0	0	0	12	54
202	12.0	Corbula (Varicorbula) oper	9	3	0	0	8	18	2	0	2	5	1	5	18	53
243	14.0	Aspidosiphon cf speciosus	5	0	7	0	14	10	8	0	9	0	0	0	16	53
71	12.0	Macoma tenta	2	0	0	0	16	17	11	1	1	0	4	0	11	52
1533	16.0	Pseudeurythoe sp.	0	0	27	1	0	1	6	0	1	7	9	0	12	52
1621	12.0	Pandora bushiana	33	2	2	0	4	9	1	0	0	0	0	0	8	51
22	31.0	Automate evermanni	0	1	5	0	5	1	3	0	9	12	13	1	19	50
125	16.0	Sigambra tentaculata	0	0	2	0	6	1	13	8	3	3	8	6	29	50
157	31.0	Spiocarcinus lobatus	0	2	0	0	6	0	0	7	32	1	1	0	12	49
959	16.0	Goniada littorea	6	0	0	0	29	4	0	0	8	2	0	0	11	49
1262	16.0	Mooreonuphis pallidula	3	4	16	0	7	16	2	0	1	0	0	0	15	49
1435	16.0	Linopherus sp.	0	0	42	0	0	0	4	0	0	3	0	0	3	49
786	16.0	Aricidea catherinea	8	2	0	0	1	3	0	0	34	0	0	0	6	48
1044	16.0	Euclymene sp	0	1	3	0	2	10	19	0	0	0	12	0	10	47
1226	16.0	Spiophares cf. missionensis	3	14	7	1	4	10	0	1	2	5	0	0	16	47
103	28.0	Oxyrostylis salinoi	13	0	0	0	9	0	0	1	14	4	5	0	9	46
669	16.0	Prionospio fallax	1	7	1	0	6	4	5	3	19	0	0	0	14	46
1236	16.0	Bocardiella sp A	1	0	0	0	45	0	0	0	0	0	0	0	3	46

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1385	11.0	Gouldia cerina	27	4	0	0	10	4	0	0	0	0	1	0	9	46
982	16.0	Marphysa sp b	0	0	0	0	0	0	28	0	0	0	17	0	7	45
1251	16.0	Mooreonuphis cf. nebulosa	2	2	7	0	10	11	12	0	0	0	1	0	12	45
1459	16.0	Aricidea suecica	3	12	7	0	7	10	1	0	1	2	1	0	14	44
144	12.0	Corbula barrattiana	0	0	1	0	9	18	0	0	1	14	0	0	6	43
78	16.0	Melinna maculata	1	0	24	0	15	0	0	0	2	0	0	0	4	42
459	12.0	Chione grus	0	0	0	0	42	0	0	0	0	0	0	0	2	42
537	27.0	Isopoda unid	2	12	0	2	3	3	5	0	0	4	5	6	15	42
635	29.0	Hargeria rapax	30	0	2	10	0	0	0	0	0	0	0	0	6	42
1031	16.0	Nereis falsa	9	1	2	0	14	7	4	0	5	0	0	0	7	42
1371	12.0	Tellina squamifera	0	1	0	0	6	32	2	0	0	0	0	0	9	41
548	12.0	Tellina aequistriata	1	0	0	0	39	0	0	0	0	0	0	0	3	40
1010	16.0	Lumbrineris sp b	0	0	10	2	7	0	9	2	1	0	7	2	17	40
1370	12.0	Lyonsia sp A (MMS)	5	2	1	0	7	10	2	0	13	0	0	0	16	40
1343	13.0	Polyshides carolinensis	13	3	0	0	4	18	0	0	1	0	0	0	10	39
1795	16.0	Lumbrinerides dayi	0	31	8	0	0	0	0	0	0	0	0	0	3	39
359	16.0	Tharyx sp	5	0	3	0	2	8	0	0	2	0	6	12	8	38
1538	16.0	Polygordius sp.	7	4	4	0	8	6	9	0	0	0	0	0	9	38
1019	16.0	Cirrophorus branchiatus	13	6	11	1	1	0	0	1	0	1	3	0	14	37
1127	16.0	Lumbrineris sp	5	3	0	0	13	0	2	0	13	0	0	1	7	37
1417	16.0	Euclymene sp A (cf Vittor)	10	0	9	2	12	0	2	0	0	0	2	0	8	37
1105	26.0	Ampelisca (unid or frag)	0	2	16	2	3	8	0	0	2	3	0	0	8	36
1300	12.0	Abra lioica	1	0	0	0	1	0	26	0	2	0	5	0	5	35
968	16.0	Ampharete cf parvidentata	1	7	3	0	0	7	0	0	16	0	0	0	6	34

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783	16.0	Prionospio steenstrupi	0	1	15	3	0	9	0	2	3	0	0	0	9	33
1626	12.0	Lima scabra	0	33	0	0	0	0	0	0	0	0	0	0	1	33
1364	11.0	Mysella sp A (MMS)	2	0	2	0	4	22	0	0	0	1	0	1	8	32
979	16.0	Exogone dispar	2	0	5	1	16	4	2	0	0	0	0	0	9	30
1518	23.0	Ostracoda DD	2	16	10	0	0	2	0	0	0	0	0	0	8	30
1672		Clythrocerus sp.	0	1	4	1	1	16	4	0	0	0	3	0	9	30
52	16.0	Glycera sp	5	2	1	0	0	2	4	1	12	1	1	0	11	29
485	31.0	Brachyura (megalops)	1	1	3	1	1	1	1	10	0	1	7	2	12	29
1388	12.0	Solemya occidentalis	0	3	0	0	0	26	0	0	0	0	0	0	5	29
194	31.0	Callianassa sp	0	9	1	2	6	1	2	1	1	1	1	3	15	28
674	35.0	Ophiuroidea, arm fragment	1	1	3	2	4	1	4	0	9	0	1	2	16	28
1132	17.0	Oligochaeta	6	11	4	1	2	4	0	0	0	0	0	0	9	28
154	16.0	Polydora socialis	1	17	4	0	4	0	0	0	1	0	0	0	7	27
179	16.0	Tharyx setigera	1	1	0	0	6	17	0	0	2	0	0	0	7	27
257		Mytilidae	2	1	0	0	0	24	0	0	0	0	0	0	4	27
428	11.0	Olivella dealbata	14	0	1	0	7	4	0	0	0	0	0	0	7	26
436	16.0	Nereidae unid or frag	9	4	3	0	3	3	0	0	0	0	4	0	14	26
1241	16.0	Lumbrineris sp C	0	1	20	0	3	0	0	0	0	1	1	0	7	26
1403	12.0	Mysella sp B (MMS)	0	0	0	2	0	0	0	24	0	0	0	0	2	26
1465	16.0	Opisthodonta sp A (cf Vittor)	0	0	26	0	0	0	0	0	0	0	0	0	1	26
1477	16.0	Aonides paucibranchiata	7	3	1	0	15	0	0	0	0	0	0	0	4	26
1497	16.0	Levensenia reducta	0	0	0	0	1	0	4	5	0	12	4	0	11	26
1652	13.0	Sipnonodentalium sp.	0	0	0	0	0	25	0	0	1	0	0	0	2	26
236	16.0	Polycirrus sp	1	17	4	0	1	2	0	0	0	0	0	0	6	25

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686	12.0	Tellidora cristata	25	0	0	0	0	0	0	0	0	0	0	0	2	25
775	16.0	Gyptis brevipalpa	2	2	1	1	2	1	1	4	2	0	2	7	18	25
73	16.0	Magelona cincta	0	0	0	0	19	0	0	0	5	0	0	0	4	24
156	16.0	Scolecopsis squamata	3	15	0	0	2	1	1	0	2	0	0	0	10	24
269	16.0	Terebellides stroemi	0	2	9	0	1	6	0	0	6	0	0	0	9	24
1213	16.0	Goniadella sp A	6	0	0	3	0	2	1	1	1	6	3	1	9	24
215	16.0	Polynoidae	1	1	1	0	13	2	1	2	1	1	0	0	10	23
320	16.0	Aricidea wassi	22	1	0	0	0	0	0	0	0	0	0	0	4	23
147	16.0	Flabelligeridae sp	1	0	21	0	0	0	0	0	0	0	0	0	3	22
151	16.0	Malacoceros vanderhorsti	1	6	1	0	6	2	3	1	2	0	0	0	12	22
363	26.0	Corophiidae	0	0	19	0	0	0	0	0	0	0	3	0	2	22
477	16.0	Eunice antennata	1	3	5	1	8	4	0	0	0	0	0	0	6	22
1223	16.0	Tharyx cf. annulosus	1	4	9	0	1	2	1	0	0	1	2	1	9	22
1224	16.0	Kinbergonuphis sp A	0	2	5	0	1	10	1	0	2	1	0	0	9	22
1461	16.0	Opisthodonta cf sp B (cf Vitto	0	0	22	0	0	0	0	0	0	0	0	0	1	22
1602	27.0	Flabellifera	0	0	14	2	0	3	0	3	0	0	0	0	7	22
1711	31.0	Alpheopsis, trispine hood	0	0	3	1	0	0	0	0	0	14	3	1	5	22
317	26.0	Phoxocephalidae	2	0	9	2	1	1	0	0	0	2	4	0	8	21
381	26.0	Jassa sp	19	0	0	0	2	0	0	0	0	0	0	0	2	21
468	11.0	Caecum imbricatum	15	1	0	1	4	0	0	0	0	0	0	0	4	21
1209	16.0	Magelona sp I (cf Vittor)	0	0	1	0	3	2	0	0	12	3	0	0	10	21
1237	16.0	Aricidea (Acmira) pseudearticu	15	1	0	0	4	0	1	0	0	0	0	0	6	21
1401	12.0	Yoldia solenoides	0	0	0	0	0	0	0	2	0	0	4	15	5	21
1405	12.0	Yoldia lohrina	0	0	0	0	0	1	0	0	1	0	8	11	6	21

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1569	16.0	Cossura, long segments	0	0	0	1	0	18	0	0	0	0	0	2	3	21
1759	16.0	Aedicira Sp	3	8	2	0	7	1	0	0	0	0	0	0	7	21
292	16.0	Dispio uncinata	6	6	4	0	0	2	0	1	0	0	0	1	9	20
551	26.0	Caprella sp	13	0	5	0	1	0	0	0	0	1	0	0	5	20
656	16.0	Capitellidae (frag or unid)	1	0	19	0	0	0	0	0	0	0	0	0	4	20
1061	31.0	Caridea un id	3	0	16	0	0	0	0	0	0	1	0	0	3	20
1218	16.0	Euclymene sp B	0	0	0	0	2	12	3	0	0	3	0	0	4	20
1507	16.0	Sthenelais sp A (cf Vittor)	0	0	3	1	3	0	3	1	5	1	0	3	12	20
1572	16.0	Terebellidae, 2 branchiae	0	0	1	0	8	0	0	0	11	0	0	0	3	20
349	16.0	Maldanidae	3	0	1	0	1	3	2	0	2	0	7	0	12	19
994	16.0	Onuphis sp a	1	0	2	0	0	0	4	0	0	12	0	0	4	19
1225	16.0	Sarsonuphis hartmanae	0	0	2	7	0	1	5	0	1	1	2	0	12	19
1455	16.0	Lumbrineris candida	19	0	0	0	0	0	0	0	0	0	0	0	1	19
1603	37.0	Brissopsis alta	0	0	0	3	0	0	0	4	0	0	4	8	9	19
985	16.0	Tauberia reducta	0	3	0	1	0	2	0	0	0	12	0	0	4	18
1310	16.0	Mastobranchnus cf. sp A	10	2	2	0	0	0	0	1	0	0	3	0	5	18
1324	27.0	Cirolana parva	0	0	15	0	0	0	0	2	0	0	0	1	5	18
1416	16.0	Polycirrus carolinensis	2	0	0	0	15	1	0	0	0	0	0	0	3	18
1512	12.0	Astarte nana	5	5	0	0	2	6	0	0	0	0	0	0	8	18
1625	12.0	Cummingia tellinoides	0	9	0	0	0	9	0	0	0	0	0	0	5	18
106	11.0	Volvulella texasiana	0	0	0	0	1	2	0	0	0	5	7	2	8	17
648	34.0	Holothuroidea	3	1	10	0	1	0	2	0	0	0	0	0	6	17
1288	14.0	Sipunculida	1	2	7	0	3	0	4	0	0	0	0	0	7	17
1761	16.0	Prionospio (Minupsio) Sp. A (c	4	3	2	0	1	0	0	0	7	0	0	0	6	17

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
10	11.0	Anachis obesa	7	0	0	0	8	0	1	0	0	0	0	0	6	16
80	35.0	Micropholis atra	1	5	2	1	1	1	2	0	0	3	0	0	10	16
113	9.0	Phoronis architecta	0	2	0	0	1	10	2	0	1	0	0	0	8	16
167	31.0	Xanthidae	0	2	3	0	5	2	0	0	0	0	4	0	7	16
237	16.0	Goniadidae	0	0	0	1	9	3	0	0	0	3	0	0	4	16
323	26.0	Corophium sp	1	0	0	0	0	2	0	11	1	1	0	0	5	16
387	31.0	Alpheus floridanus	0	0	0	0	0	0	0	0	2	8	5	1	7	16
487	16.0	Ampharete sp	0	0	10	0	4	0	0	0	2	0	0	0	4	16
1452	16.0	Therochaeta sp A (cf Vittor)	7	0	0	0	9	0	0	0	0	0	0	0	2	16
1793	16.0	Lysippe cf. annectens	1	5	7	0	1	2	0	0	0	0	0	0	8	16
118	16.0	Spio pettiboneae	4	5	0	0	0	1	1	0	2	1	1	0	9	15
175	26.0	Listriella sp	0	0	0	0	0	15	0	0	0	0	0	0	1	15
185	16.0	Loimia viridis	0	1	4	6	1	2	1	0	0	0	0	0	7	15
1457	16.0	Amphicteis gunneri	2	0	7	1	1	4	0	0	0	0	0	0	6	15
1503	16.0	Anaitides maderiensis	0	2	0	0	1	3	2	0	2	1	4	0	11	15
1624	12.0	Pectinidae	3	1	0	1	0	1	1	0	4	0	3	1	8	15
1760	16.0	Aricidea abbranchiata	1	5	8	0	1	0	0	0	0	0	0	0	5	15
37	16.0	Clymenella torquata	3	0	0	0	5	0	6	0	0	0	0	0	8	14
116	31.0	Pinnixa sp (frag or unid)	1	3	0	0	4	5	0	0	1	0	0	0	7	14
609	37.0	Echinoidea	7	5	1	1	0	0	0	0	0	0	0	0	5	14
734	6.0	Nemertea, long slen snout	2	1	1	0	1	1	0	5	0	2	1	0	10	14
774	16.0	Loimia medusa	1	0	2	0	0	1	7	0	0	3	0	0	6	14
1228	16.0	Goniada brunnea	0	0	1	1	0	0	7	1	0	2	2	0	7	14
1240	16.0	Cossura sp A	0	0	1	2	0	0	1	1	2	0	3	4	8	14

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1391	12.0	Lucina sp B (MMS)	0	0	0	0	0	13	0	1	0	0	0	0	2	14
51	16.0	Glycinde solitaria	0	0	0	0	13	0	0	0	0	0	0	0	1	13
305	11.0	Acteocina canaliculata	5	0	0	0	7	0	0	0	1	0	0	0	4	13
1242	16.0	Lumbrineris latrielli	0	0	13	0	0	0	0	0	0	0	0	0	2	13
1414	16.0	Glycera sp E (cf Vittor)	1	0	1	0	8	0	0	0	0	2	1	0	5	13
1502	16.0	Scolecopsis texana	0	2	0	0	4	3	0	0	4	0	0	0	6	13
1523	28.0	Cumacea, frontal notch	13	0	0	0	0	0	0	0	0	0	0	0	1	13
1547	16.0	Mastobranchus sp.	13	0	0	0	0	0	0	0	0	0	0	0	1	13
1679		Clithocerus sp.	0	0	13	0	0	0	0	0	0	0	0	0	1	13
218	31.0	Brachyura	0	2	0	1	9	0	0	0	0	0	0	0	3	12
337		Bugula neritina (col)	0	12	0	0	0	0	0	0	0	0	0	0	1	12
372	16.0	Megalomma bioculatum	7	0	0	0	1	2	1	0	0	1	0	0	5	12
393	16.0	Goniada teres	1	0	2	0	0	4	0	0	3	2	0	0	5	12
638	11.0	Nassarius vibex	0	3	3	0	0	0	3	0	0	0	0	3	6	12
653	16.0	Aricidea cerrutii	1	1	6	0	2	1	1	0	0	0	0	0	8	12
1336	12.0	Verticardia ornata	10	1	0	0	1	0	0	0	0	0	0	0	5	12
1421	16.0	Leiocapitella sp A (cf Vittor)	0	9	1	0	0	2	0	0	0	0	0	0	4	12
1473	16.0	Sarsonuphis sp	0	0	2	8	0	0	2	0	0	0	0	0	4	12
1590	34.0	Holothuroidea, sand encrusted	12	0	0	0	0	0	0	0	0	0	0	0	1	12
1619	11.0	Acteocina candei	11	0	0	0	1	0	0	0	0	0	0	0	4	12
1658	10.1	Prochaetoderma sp.	0	0	0	3	0	0	0	1	0	0	0	8	4	12
1778	16.0	Neoleprea sp. A (cf Vittor)	0	1	7	0	4	0	0	0	0	0	0	0	4	12
169	4.0	Anemone un id	0	4	3	0	3	0	0	0	0	0	0	1	6	11
222	31.0	Raninoides louisianensis Rath	0	0	0	0	0	0	1	1	0	0	9	0	5	11

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
302	11.0	<i>Volvulella persimilis</i>	4	0	0	0	4	0	0	0	2	0	1	0	6	11
433	12.0	<i>Cardiomya ornatissima</i>	0	0	1	0	1	5	1	0	1	1	1	0	9	11
619	16.0	<i>Anaitides mucosa</i>	1	0	3	1	2	0	2	1	0	1	0	0	10	11
998	16.0	<i>Diopatra tridentata</i>	0	1	1	0	6	0	1	0	0	2	0	0	7	11
1047	16.0	<i>Phyllodoce arenae</i>	1	0	3	0	3	2	1	0	1	0	0	0	8	11
1113	16.0	<i>Ninoe</i> sp. A	0	0	0	1	0	0	0	0	0	5	2	3	5	11
1249	16.0	<i>Magelona</i> sp L (cf Vittor)	0	0	2	4	0	0	3	0	0	2	0	0	6	11
1338	12.0	<i>Crenella</i> sp A (MMS)	7	4	0	0	0	0	0	0	0	0	0	0	2	11
1415	16.0	Ampharetidae genus B	4	0	4	0	0	1	2	0	0	0	0	0	4	11
1436	16.0	<i>Dorvillea</i> sp A (cf Vittor)	0	0	11	0	0	0	0	0	0	0	0	0	1	11
1539	16.0	<i>Bogvea enigmatica</i>	2	1	0	0	5	3	0	0	0	0	0	0	5	11
1545	16.0	<i>Ophelia denticulata</i>	2	0	0	0	9	0	0	0	0	0	0	0	2	11
1574	16.0	<i>Kinbergonuphis</i> sp. C (cf. Vitt	0	0	0	0	0	7	3	0	1	0	0	0	3	11
1597	2.0	Porifera	0	1	10	0	0	0	0	0	0	0	0	0	4	11
1684	26.0	Amphipoda, pedunculate eye (mm	0	0	0	6	3	0	0	0	0	2	0	0	3	11
1728	26.0	Amphipoda, hood, no eyes (mms)	0	0	0	0	0	10	1	0	0	0	0	0	2	11
137	11.0	<i>Terebra protexta</i>	4	0	0	0	0	0	0	0	5	1	0	0	5	10
183	6.0	Nemertea (yellow & brown)	0	0	3	0	3	0	2	1	0	0	1	0	6	10
324	31.0	Majidae	2	2	2	0	1	0	0	0	0	3	0	0	7	10
458	16	<i>Chloeia viridis</i>	4	0	3	0	0	0	3	0	0	0	0	0	5	10
460	24.0	<i>Nebalia</i> sp	8	0	0	0	1	0	0	0	0	0	1	0	4	10
541	26.0	<i>Listriella barnardi</i>	0	0	0	0	6	1	0	0	0	3	0	0	3	10
678	16.0	Phyllodocidae	1	1	3	0	4	1	0	0	0	0	0	0	6	10
958	16.0	<i>Nereis lamellosa</i>	2	0	0	0	2	0	6	0	0	0	0	0	3	10

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1104	16.0	Schistomerings cf rudolphi	0	0	0	0	0	2	0	6	2	0	0	0	4	10
1284	8.0	Bryozoan (encrusting)	0	10	0	0	0	0	0	0	0	0	0	0	1	10
1295	13.0	Scaphopod	1	0	0	2	1	0	0	0	3	2	1	0	8	10
1322	23.0	Ostracoda X	5	0	2	0	3	0	0	0	0	0	0	0	5	10
1326	10.0	Brachiopod A (MMS)	0	1	8	0	0	0	0	0	0	1	0	0	4	10
1381	11.0	Cyllichnella bidentata	2	1	0	0	7	0	0	0	0	0	0	0	5	10
1387	11.0	Mangelia sp A (MMS)	0	0	0	0	1	6	2	0	0	1	0	0	4	10
1511	16.0	Sigalion sp	0	0	0	0	8	1	0	0	0	0	0	1	3	10
1532	16.0	Harmothoe sp.	0	0	1	1	4	4	0	0	0	0	0	0	5	10
1537	16.0	Notomastus sp.	0	0	0	0	1	9	0	0	0	0	0	0	2	10
1663		Chaetogordius sp.	7	0	0	0	2	0	0	1	0	0	0	0	5	10
1762	16.0	Pettiboneae Sp. A (cf Vittor)	1	0	0	0	0	0	0	0	9	0	0	0	2	10
204	16.0	Terebellidae	2	1	3	0	0	1	1	0	1	0	0	0	6	9
249	31.0	Leptochela serratorbita	1	5	2	0	0	1	0	0	0	0	0	0	5	9
447	23.0	Ostracoda k	8	1	0	0	0	0	0	0	0	0	0	0	3	9
607	16.0	Eteone lactea	5	0	0	0	3	0	0	0	1	0	0	0	5	9
1124	16.0	Spiochaetopterus costarum	1	0	2	0	0	5	1	0	0	0	0	0	6	9
1208	16.0	Tauberia oligobranchiata	1	0	1	0	0	2	1	0	0	2	1	1	7	9
1211	16.0	Decamastus sp A	0	0	4	0	0	2	0	0	1	1	0	1	5	9
1438	16.0	Pseudovermilla occidentalis	0	1	7	0	1	0	0	0	0	0	0	0	5	9
1440	16.0	Lumbrineris brevipes	0	0	2	1	0	0	1	0	2	3	0	0	5	9
1456	16.0	Fabriciola trilobata	3	0	6	0	0	0	0	0	0	0	0	0	2	9
1501	16.0	Lumbrineris tenuis	0	0	0	0	1	0	0	0	3	1	4	0	6	9
1521	23.0	Ostracoda GG	1	0	0	0	0	0	0	0	8	0	0	0	2	9

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1558	16.0	Myriochele sp. a (cf. vittor)	0	0	0	1	0	8	0	0	0	0	0	0	2	9
1774	16.0	Jasminira pacifica	0	0	0	0	0	0	0	0	0	0	9	0	1	9
1781	16.0	Spiophanea sp. C (cf Vittor)	0	4	5	0	0	0	0	0	0	0	0	0	3	9
50	16.0	Glycera americana	0	0	0	0	2	3	0	0	2	1	0	0	7	8
99	12.0	Nuculana concentrica	0	0	0	0	6	2	0	0	0	0	0	0	2	8
122	16.0	Scoloplos rubra	1	0	0	0	2	0	0	0	5	0	0	0	4	8
143	4.0	Bunodactis texensis	0	0	0	0	0	0	0	0	0	0	8	0	1	8
464	4.0	Anemone (holothuroid like)	5	0	1	0	1	0	1	0	0	0	0	0	6	8
484	16.0	Sabellidae	1	0	3	0	2	0	2	0	0	0	0	0	5	8
615	16.0	Amphictis scaphobranchiata	7	0	0	0	0	0	0	0	0	0	1	0	2	8
664	25.0	Squilla sp	1	0	1	0	1	5	0	0	0	0	0	0	6	8
700	16.0	Aricidea frag and suecica	0	0	0	0	0	0	0	0	8	0	0	0	1	8
744	16.0	Lysidice ninetta	1	0	5	0	0	0	0	0	0	0	2	0	4	8
872	16.0	Goniada sp	0	0	0	0	0	7	0	0	0	1	0	0	2	8
1022	16.0	Ophiodromus sp	0	0	0	0	0	4	1	0	0	0	0	3	4	8
1230	16.0	Sthenelanella sp A	0	0	1	1	1	0	0	1	0	0	1	3	6	8
1243	16.0	Chaetozone sp A	0	0	2	1	1	1	1	1	0	1	0	0	8	8
1253	16.0	Harmothoe sp B	0	4	2	0	1	1	0	0	0	0	0	0	5	8
1274	23.0	Ostracoda	0	0	0	0	7	0	1	0	0	0	0	0	2	8
1281	10.1	Aplacophora	0	0	0	0	0	0	0	6	0	0	0	2	2	8
1392	11.0	Eucrassatella speciosa	0	7	0	0	0	1	0	0	0	0	0	0	2	8
1397	12.0	Mangelia sp C (MMS)	4	0	0	0	2	2	0	0	0	0	0	0	4	8
1408	16.0	Rhamphobranchium cf diversoset	0	1	0	0	3	2	1	0	0	0	0	1	5	8
1472	16.0	Lumbrineris cf coccinea	0	0	8	0	0	0	0	0	0	0	0	0	2	8

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1479	16.0	Rhaphobranchium atlanticum	1	0	0	0	5	1	0	1	0	0	0	0	4	8
1498	16.0	Aglaophamus circinata	0	0	5	0	0	0	0	1	1	0	0	1	4	8
1540	16.0	Rulliernereis sp.	2	0	0	0	0	0	4	0	1	0	1	0	5	8
1541	16.0	Nereidae, acicular no tosetae	0	0	0	0	0	2	0	0	0	2	4	0	4	8
1583	6.0	Nemertea, white, flat head	0	0	0	5	0	0	0	2	1	0	0	0	3	8
1727	12.0	Thyasira trisinuata	0	0	0	0	0	8	0	0	0	0	0	0	1	8
1799	16.0	Mooreonuphis guadalupensis	1	3	4	0	0	0	0	0	0	0	0	0	4	8
63	16.0	Lepidonotus sublevis	0	0	0	0	4	0	3	0	0	0	0	0	5	7
146	31.0	Euceramus praelongus	1	0	0	0	6	0	0	0	0	0	0	0	3	7
191	31.0	Penaeidae (post larva)	0	2	0	0	0	1	0	0	3	1	0	0	4	7
238	16.0	Aricidea sp	2	0	0	0	0	4	0	0	0	1	0	0	3	7
266	12.0	Diplodonta sp	1	0	0	3	0	1	1	0	0	1	0	0	5	7
306	23.0	Ostracoda i	0	0	0	0	0	7	0	0	0	0	0	0	2	7
325	31.0	Shrimp	0	1	2	1	0	0	1	1	0	0	1	0	6	7
420	11.0	Gastropoda unid	0	0	0	0	1	1	3	0	0	0	1	1	5	7
538	16.0	Chone sp	0	2	2	0	0	1	0	0	1	0	1	0	5	7
581	11.0	Anachis avara	0	0	0	0	7	0	0	0	0	0	0	0	2	7
666	31.0	Leptochela bermudensis	1	2	0	0	0	0	4	0	0	0	0	0	3	7
929	31.0	Alpheopsis harperi	0	0	0	0	0	0	0	0	1	4	2	0	4	7
930		Tauberia gracilis	0	0	0	0	0	3	1	0	0	0	3	0	3	7
1012	16.0	Marphysa belli	0	0	0	0	1	0	6	0	0	0	0	0	2	7
1232	16.0	Aricidea cf. pseudoarticulata	0	0	1	0	0	2	2	1	0	0	1	0	5	7
1315	31.0	Albunea gibbesi	3	2	0	0	2	0	0	0	0	0	0	0	5	7
1377	11.0	Mangelia sp B (MMS)	0	2	0	0	4	0	0	0	1	0	0	0	3	7

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1402	10.1	Falcidens sp A (MMS)	0	0	0	2	0	0	0	3	0	0	0	2	5	7
1407	16.0	Diopatra neotridens	2	1	0	0	3	0	0	0	1	0	0	0	5	7
1419	16.0	Odontosyllis enopla	1	1	0	0	1	4	0	0	0	0	0	0	4	7
1437	16.0	Euclymene sp A (cf Vittor)	0	0	5	0	2	0	0	0	0	0	0	0	2	7
1451	16.0	Glycera sp B (cf Vittor)	0	0	3	1	1	0	0	0	1	0	1	0	5	7
1454	16.0	Aricidea (Acmira) philbinae	1	0	0	0	0	4	0	2	0	0	0	0	3	7
1464	16.0	Sphaerosyllis piriferopsis	0	0	7	0	0	0	0	0	0	0	0	0	1	7
1470	16.0	Drilonereis sp	0	1	5	0	0	1	0	0	0	0	0	0	5	7
1485	16.0	Syllis (Typosyllis) sp D (cf V	0	0	0	0	7	0	0	0	0	0	0	0	1	7
1517	23.0	Ostracoda CC	2	3	0	0	0	2	0	0	0	0	0	0	4	7
1659	12.0	Verticordia sp. B (mms)	0	0	0	5	0	0	0	0	0	0	0	2	3	7
1664	12.0	Mitrella sp. A	6	0	0	0	0	1	0	0	0	0	0	0	2	7
1669		Haliophasma sp.	0	7	0	0	0	0	0	0	0	0	0	0	1	7
1763	16.0	Prionospio (Minuspio) Sp. B	3	0	0	0	2	0	0	0	2	0	0	0	4	7
1796	16.0	Eunice websteri	0	4	3	0	0	0	0	0	0	0	0	0	2	7
1797	16.0	Nematonereis hebes	0	6	1	0	0	0	0	0	0	0	0	0	3	7
377	26.0	Stegocephalidae	3	0	2	0	0	0	0	0	1	0	0	0	3	6
455	16.0	Magelona pettiboneae	0	5	0	0	0	1	0	0	0	0	0	0	3	6
565	12.0	Semele bellastrata	0	0	0	0	6	0	0	0	0	0	0	0	2	6
603	41.0	Bregmaceros atlanticus	0	0	0	4	0	0	1	0	0	1	0	0	3	6
888	16.0	Aricidea taylori	1	1	0	0	1	2	0	0	1	0	0	0	5	6
1110	12.0	Chione intapurpurea	5	0	0	0	1	0	0	0	0	0	0	0	3	6
1219		Magelona sp J (cf Vittor)	0	0	0	0	0	0	0	0	0	6	0	0	2	6
1220	16.0	Decamastus cf. gracilis	0	1	0	0	0	1	0	0	0	2	2	0	5	6

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1234	16.0	Chaetozone sp C	0	0	0	0	2	1	0	1	0	0	0	2	4	6
1246	16.0	Prionospio (Minuspio) sp	0	4	2	0	0	0	0	0	0	0	0	0	2	6
1275	12.0	Nuculana sp	0	0	0	0	0	0	1	0	0	4	1	0	3	6
1282	8.0	Bryozoan col.	1	0	0	0	5	0	0	0	0	0	0	0	2	6
1431	16.0	Exogone atlantica	0	0	4	0	0	0	2	0	0	0	0	0	2	6
1434	16.0	Paraonis cf fulgens	0	0	6	0	0	0	0	0	0	0	0	0	1	6
1458	16.0	Apophryotrocha cf mutabiliseta	0	0	6	0	0	0	0	0	0	0	0	0	1	6
1466	16.0	Exogone cf lourei	0	0	6	0	0	0	0	0	0	0	0	0	1	6
1490	16.0	Arabella multidentata	0	0	0	0	0	6	0	0	0	0	0	0	1	6
1514	23.0	Ostracoda Z	1	0	2	0	0	3	0	0	0	0	0	0	3	6
1524	31.0	Calloides trispinosus	6	0	0	0	0	0	0	0	0	0	0	0	1	6
1544	16.0	Sigalonidae 1 (mms)	0	0	0	0	0	0	0	0	0	0	0	6	1	6
1609	42.0	Vermiform, papillose proboscis	0	0	0	0	6	0	0	0	0	0	0	0	1	6
1646	12.0	Verticordia sp. A (mms)	0	0	0	0	0	6	0	0	0	0	0	0	2	6
1666	31.0	Calappa sulcata	6	0	0	0	0	0	0	0	0	0	0	0	1	6
1695	12.0	Thyasira sp. A (mms)	0	0	0	0	3	0	3	0	0	0	0	0	2	6
1726	12.0	Poromya elongata	0	0	0	3	0	0	0	0	0	0	0	3	3	6
1767	16.0	Polydora sp. B (cf Vittor)	0	0	6	0	0	0	0	0	0	0	0	0	1	6
1770	16.0	Prionospio multicristata	0	0	1	3	0	0	0	0	0	0	1	1	4	6
1771	16.0	Prionospio delta	0	0	5	0	1	0	0	0	0	0	0	0	3	6
1791	16.0	Lysippe sp.	0	0	0	0	0	0	6	0	0	0	0	0	1	6
1808	16.0	Diopatra sp.	0	0	0	0	0	0	1	0	4	0	1	0	3	6
1809	16.0	Diopatra sp. A	0	0	0	0	0	0	0	0	2	0	4	0	2	6
20	16.0	Armandia agilis	2	0	1	0	0	1	0	1	0	0	0	0	5	5

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
32	11.0	Cantharus cancellarius	0	0	0	0	4	1	0	0	0	0	0	0	3	5
54	16.0	Gyptis vittata	0	0	0	1	0	0	1	1	0	0	2	0	5	5
141	16.0	Anaitides erythrophyllus	0	0	2	0	1	1	1	0	0	0	0	0	4	5
184	31.0	Decapoda (post larva)	0	0	5	0	0	0	0	0	0	0	0	0	1	5
219	6.0	Nemertea (brown band)	0	0	3	0	0	0	0	0	2	0	0	0	2	5
288	12.0	Nucula proxima	0	0	1	0	0	0	1	0	3	0	0	0	3	5
410	31.0	Hepatus sp	0	0	0	0	5	0	0	0	0	0	0	0	2	5
576	16.0	Syllis gracilis	2	0	3	0	0	0	0	0	0	0	0	0	2	5
706	27.0	Edotea montosa	5	0	0	0	0	0	0	0	0	0	0	0	2	5
756	30.0	Mysidopsis sp (frag or unid)	0	0	0	0	0	0	0	0	0	3	2	0	2	5
835	41.0	Fish	0	0	0	0	0	0	1	0	0	4	0	0	3	5
925	30.0	Mysidacea frag or unid	2	3	0	0	0	0	0	0	0	0	0	0	3	5
927	31.0	Shrimp frag	4	0	0	0	0	0	0	0	0	1	0	0	2	5
978	16.0	Podarke sp	3	0	0	0	0	2	0	0	0	0	0	0	3	5
1011	16.0	Leiocapitella glabra	2	0	1	0	0	0	0	0	0	0	2	0	3	5
1180	28.0	Cumacea cc	0	0	1	2	0	0	0	2	0	0	0	0	3	5
1210	16.0	Magelona sp E (cf Vittor)	0	0	0	0	0	0	0	0	5	0	0	0	1	5
1229	16.0	Notomastus tenuis	0	1	0	0	0	0	0	0	0	0	4	0	2	5
1231	16.0	Tauberia oculata	0	0	0	2	0	0	1	1	0	0	1	0	4	5
1238	16.0	Tachytrypane jeffreysii	0	0	4	1	0	0	0	0	0	0	0	0	2	5
1244	16.0	Maldane sp	0	0	1	0	0	0	1	1	1	0	1	0	5	5
1255	16.0	Glycera sp C (cf Vittor)	1	2	0	0	1	1	0	0	0	0	0	0	4	5
1260	16.0	Caulleriella cf. zelandica	0	2	0	0	0	2	0	0	0	1	0	0	3	5
1330	27.0	Seriolis mgrayi	2	0	0	0	2	1	0	0	0	0	0	0	3	5

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1341	11.0	Niso aeglees	4	1	0	0	0	0	0	0	0	0	0	0	3	5
1342	12.0	Parvilucina blanda	5	0	0	0	0	0	0	0	0	0	0	0	1	5
1347	13.0	Anaitides bartletti	5	0	0	0	0	0	0	0	0	0	0	0	2	5
1352	11.0	Turbonilla sp B (MMS)	3	0	0	0	0	0	0	0	2	0	0	0	3	5
1445	16.0	Ophelia cf acuminata	0	1	4	0	0	0	0	0	0	0	0	0	4	5
1450	16.0	Euphrosine sp A (cf Vittor)	0	4	1	0	0	0	0	0	0	0	0	0	2	5
1471	16.0	Lumbrineris cf inflata	0	0	5	0	0	0	0	0	0	0	0	0	2	5
1480	16.0	Chrysopetalum occidentale	0	0	0	0	4	0	0	0	0	0	1	0	2	5
1489	16.0	Nothria sp	0	0	0	0	0	1	3	0	0	1	0	0	4	5
1499	16.0	Magelona sp G (cf Vittor)	0	0	0	0	0	0	0	0	4	0	1	0	2	5
1564	16.0	Synelmis sp. c (cf. vittor)	0	0	5	0	0	0	0	0	0	0	0	0	1	5
1577	16.0	Thalenessa sp. A (cf. Vittor)	0	0	0	0	0	0	0	1	0	0	0	4	2	5
1618	11.0	Caecum cooperi	3	0	0	0	2	0	0	0	0	0	0	0	4	5
1631	12.0	Aligena sp.	0	2	2	0	1	0	0	0	0	0	0	0	3	5
1649	11.0	Turbonilla alfredi	0	0	0	0	0	0	0	0	5	0	0	0	1	5
1730	12.0	Amphissa sp.	0	0	0	0	0	0	5	0	0	0	0	0	1	5
1737	25.0	Squilla chydrea	0	0	0	0	0	0	0	0	0	5	0	0	1	5
1757	16.0	Polycirrus plumosus	0	0	0	5	0	0	0	0	0	0	0	0	1	5
35	6.0	Cerebratulus luridus	Verr	1	0	1	0	0	0	1	0	0	0	1	4	4
119	16.0	Polyodontes lupina	0	0	1	0	1	0	0	1	1	0	0	0	4	4
176	31.0	Portunidae	2	0	0	0	0	1	0	0	0	1	0	0	3	4
188	16.0	Drilonereis longa	0	0	0	0	1	0	0	0	1	2	0	0	4	4
217	12.0	Corbula dietziana	0	0	3	0	0	0	1	0	0	0	0	0	3	4
245	4.0	Anemone (sand encrusted)	1	1	2	0	0	0	0	0	0	0	0	0	3	4

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
271	10.0	Glottidia pyramidata	0	1	0	0	0	0	0	0	1	2	0	0	3	4
279	23.0	Ostracoda c	1	0	0	0	0	0	3	0	0	0	0	0	3	4
406	31.0	Hexapanopeus paulensis	0	0	0	0	4	0	0	0	0	0	0	0	1	4
421	12.0	Macoma sp	0	0	0	0	2	0	0	0	0	2	0	0	3	4
461	23	Ostracoda l	1	2	0	0	1	0	0	0	0	0	0	0	3	4
521	16.0	Chaetozone sp	0	0	0	1	0	0	0	0	0	1	2	0	3	4
536	5.0	Polycladida	1	2	0	0	0	0	0	0	1	0	0	0	3	4
569	31.0	Chasmocarcinus mississippi	0	0	0	0	0	0	0	1	0	2	1	0	3	4
746	16.0	Ophioglycera sp	0	0	0	0	0	1	0	0	0	3	0	0	2	4
874	28.0	Oxyurostylis sp	0	0	0	0	0	0	0	0	3	1	0	0	2	4
893	16.0	Goniada maculata	0	0	0	0	0	3	0	0	0	1	0	0	2	4
931	11.0	Mitrella lunata	1	0	0	0	1	0	0	0	0	0	2	0	3	4
937	4.0	Pennatulacea	0	0	0	0	0	4	0	0	0	0	0	0	4	4
956	16.0	Schistomeringos cf pectinata	0	0	4	0	0	0	0	0	0	0	0	0	1	4
963	16.0	MyriOchele oculata	0	0	0	0	0	0	0	0	4	0	0	0	1	4
974	16.0	Harmothoe sp a	0	3	1	0	0	0	0	0	0	0	0	0	3	4
1167	16.0	Nephtys sp	1	1	0	0	1	1	0	0	0	0	0	0	4	4
1178	16.0	Hesionidae	0	2	2	0	0	0	0	0	0	0	0	0	2	4
1212	16.0	Glycera sp F	0	0	0	0	0	0	2	0	1	0	0	1	3	4
1256	16.0	cf. Scolecolepides	0	0	0	0	4	0	0	0	0	0	0	0	1	4
1276		Bunodactis texensis	0	1	1	0	1	1	0	0	0	0	0	0	4	4
1279	31.0	Penaeid	0	0	0	0	1	1	0	0	1	0	1	0	4	4
1285		Bryozoan col.	0	1	1	0	0	1	0	0	0	1	0	0	4	4
1335	12.0	Nuculana sp B (MMS)	0	0	0	0	0	0	0	0	0	0	0	4	1	4

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1345	12.0	<i>Mysella</i> sp	1	0	0	0	0	0	0	0	0	0	3	0	2	4
1366	12.0	<i>Lucina radians</i>	3	0	0	0	1	0	0	0	0	0	0	0	2	4
1378	11.0	<i>Sinum minor</i>	0	0	0	0	1	2	0	0	1	0	0	0	3	4
1398	13.0	<i>Cadulus (Gadita) sp A (MMS)</i>	0	0	0	0	0	1	2	0	0	0	1	0	3	4
1400	11.0	<i>Nassarius sp A (MMS)</i>	0	2	0	0	1	0	1	0	0	0	0	0	3	4
1412	16.0	<i>Anaitides longipes</i>	3	0	0	0	1	0	0	0	0	0	0	0	2	4
1425	16.0	<i>Odontosyllis cf octodentata</i>	3	1	0	0	0	0	0	0	0	0	0	0	2	4
1426	16.0	<i>Mystides cf borealis</i>	3	0	1	0	0	0	0	0	0	0	0	0	2	4
1463	16.0	<i>Brania sp A (cf Vittor)</i>	0	0	4	0	0	0	0	0	0	0	0	0	1	4
1492	16.0	<i>Syllis (Typosyllis) cf lutea</i>	0	0	0	0	0	4	0	0	0	0	0	0	1	4
1495	16.0	<i>Aonides cf mayaguezensis</i>	2	1	0	0	0	1	0	0	0	0	0	0	3	4
1527	16.0	<i>Filogranula sp. a (cf. vittor)</i>	0	2	2	0	0	0	0	0	0	0	0	0	2	4
1529	16.0	<i>Scoloplos sp. B (cf. vittor)</i>	0	1	2	0	0	1	0	0	0	0	0	0	3	4
1542	16.0	<i>Califa calida</i>	0	0	0	2	0	0	0	0	0	0	0	2	2	4
1556	16.0	<i>Pomatoceros americanus</i>	0	0	3	0	0	1	0	0	0	0	0	0	2	4
1561	16.0	<i>Leanira sp.</i>	0	0	0	0	0	0	0	2	0	0	0	2	2	4
1592	26.0	<i>Amphipoda, carina on Th6, Abd</i>	0	1	3	0	0	0	0	0	0	0	0	0	2	4
1595	20.0	<i>Scalpellum gibbum</i>	0	4	0	0	0	0	0	0	0	0	0	0	1	4
1611	31.0	<i>Pinnixa cf. floridana</i>	0	0	0	0	0	0	0	4	0	0	0	0	1	4
1612	36.0	<i>Asteroidea</i>	0	0	0	0	0	0	0	0	1	3	0	0	2	4
1628	11.0	<i>Strombiformis bifasciata</i>	0	1	0	0	0	0	0	0	0	0	3	0	2	4
1650	12.0	<i>Lyonsia sp.</i>	1	0	0	0	0	0	0	0	3	0	0	0	2	4
1692	10.0	<i>Brachiopoda, Lingula like (mms</i>	0	0	0	0	2	2	0	0	0	0	0	0	2	4
1708	12.0	<i>Yoldia lohmerina</i>	0	0	0	0	0	0	4	0	0	0	0	0	1	4

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1717	12.0	Cummingia coarctica	2	0	0	0	0	0	0	0	1	1	0	0	3	4
1719	23.0	Ostracoda JJ	2	0	0	0	0	2	0	0	0	0	0	0	2	4
1735	28.0	Cumacea, car. spines, serr. ma	0	0	0	0	0	0	0	0	0	4	0	0	1	4
1740	37.0	Brissopsis attantis vas elonga	2	0	0	0	2	0	0	0	0	0	0	0	2	4
1746	31.0	Parthenopidae	3	1	0	0	0	0	0	0	0	0	0	0	2	4
1775	16.0	Eupolytmia nebulosa	0	0	0	0	1	0	2	0	0	0	1	0	4	4
1790	29.0	Tanaidacea	0	0	2	0	0	0	1	0	0	0	1	0	3	4
1800	16.0	Mooreonuphis sp.	0	1	1	0	0	0	2	0	0	0	0	0	3	4
1807	16.0	Kinbergonuphis oligobranchiata	0	0	0	0	0	0	1	0	0	3	0	0	2	4
82	11.0	Vitrinella helicoidea	0	0	0	0	0	0	0	0	3	0	0	0	1	3
87	6.0	Nemertea (yellow & purple)	0	2	0	0	1	0	0	0	0	0	0	0	2	3
126	16.0	Sigambra wassi	0	0	0	0	1	0	0	0	0	0	0	2	3	3
127	12.0	Solen viridis	2	0	0	0	1	0	0	0	0	0	0	0	2	3
166	11.0	Epitonium multistriatum	3	0	0	0	0	0	0	0	0	0	0	0	1	3
216	16.0	Chaetopteridae	0	0	2	0	0	0	0	1	0	0	0	0	2	3
268	12.0	Chione sp	3	0	0	0	0	0	0	0	0	0	0	0	2	3
296	5.0	Turbellaria	0	2	0	0	0	0	0	0	1	0	0	0	2	3
378	11.0	Crepidula fornicata	0	0	0	0	3	0	0	0	0	0	0	0	1	3
384	16.0	Eumida sanguinez	2	0	0	0	1	0	0	0	0	0	0	0	2	3
419	16.0	Cirratulidae	0	1	0	0	0	2	0	0	0	0	0	0	2	3
422	23.0	Ostracoda j	2	0	0	0	0	0	0	0	1	0	0	0	2	3
434	12.0	Atrina sp	0	0	0	0	1	0	0	0	2	0	0	0	2	3
492	16.0	Polydora ligni	0	0	0	0	3	0	0	0	0	0	0	0	1	3
566	16.0	Hydroides protulicula	0	0	0	0	0	3	0	0	0	0	0	0	2	3

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
695	28.0	Cumacea, long pseudorost	0	0	0	2	0	0	0	1	0	0	0	0	3	3
762	36.0	Astropecten sp	0	1	0	1	0	0	0	0	0	1	0	0	3	3
765	28.0	Oxyurostylis smithi	0	0	0	0	0	0	2	0	1	0	0	0	2	3
788	16.0	Leitoscoloplos robustus	0	1	0	0	1	0	1	0	0	0	0	0	3	3
799	33.0	Tendipes sp	0	0	0	0	0	3	0	0	0	0	0	0	1	3
830	34.0	Protankyra benedeni (Lud)	0	0	0	0	0	0	1	2	0	0	0	0	2	3
889	16.0	Lumbrineris ernesti	0	0	0	0	1	0	1	0	1	0	0	0	3	3
1009	16.0	Ancistrosyllis cf groenlandica	0	0	1	1	0	0	0	1	0	0	0	0	3	3
1020	16.0	Spiophanes berkeleyorum	0	0	2	0	0	1	0	0	0	0	0	0	2	3
1028	16.0	Anaitides groenlandica	0	0	0	0	0	2	0	1	0	0	0	0	2	3
1066	31.0	Alpheus heterochaelis	0	0	0	0	0	0	0	0	0	3	0	0	1	3
1217	16.0	Axiothella mucosa	0	1	0	0	0	0	1	0	0	1	0	0	3	3
1247	16.0	Phylo felix	0	0	1	0	1	0	0	1	0	0	0	0	3	3
1264	16.0	Pseudeurythoe paucibranchiata	0	0	0	0	0	0	2	0	0	1	0	0	2	3
1268	16.0	Notomastus lobatus	0	0	2	0	0	0	1	0	0	0	0	0	2	3
1305	16.0	Chaetozone sp D	0	0	0	1	0	2	0	0	0	0	0	0	2	3
1323	23.0	Ostracoda Y	0	2	1	0	0	0	0	0	0	0	0	0	2	3
1339	11.0	Turbonilla sp A (MMS)	2	0	0	0	1	0	0	0	0	0	0	0	2	3
1348	12.0	Thyasira trisinuata	1	2	0	0	0	0	0	0	0	0	0	0	2	3
1350	12.0	Mactra sp A (MMS)	3	0	0	0	0	0	0	0	0	0	0	0	2	3
1359	12.0	Limosis sulcata	0	0	3	0	0	0	0	0	0	0	0	0	2	3
1360	12.0	Semelidae	0	0	3	0	0	0	0	0	0	0	0	0	1	3
1363	11.0	Opalia sp A (MMS)	0	0	1	0	2	0	0	0	0	0	0	0	3	3
1382	11.0	Urosalpynx tampaensis	0	0	0	0	1	0	0	0	2	0	0	0	2	3

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1390	12.0	Pythinella cuneata	0	0	0	0	0	3	0	0	0	0	0	0	3	3
1423	16.0	Glycera sp D (cf Vittor)	0	2	0	0	1	0	0	0	0	0	0	0	2	3
1424	16.0	Trypanosyllis sp	0	3	0	0	0	0	0	0	0	0	0	0	1	3
1427	16.0	Paleonotus sp A (cf Vittor)	0	0	2	0	0	1	0	0	0	0	0	0	3	3
1432	16.0	Syllis (Typosyllis) sp G (cf V	0	0	3	0	0	0	0	0	0	0	0	0	1	3
1433	16.0	Caulleriella cf alata	0	0	2	0	0	1	0	0	0	0	0	0	2	3
1439	16.0	Dorvilleidae	0	0	1	0	0	2	0	0	0	0	0	0	2	3
1443	16.0	Notocirrus sp	0	0	1	0	0	2	0	0	0	0	0	0	2	3
1447	16.0	Glycera papillosa	0	0	3	0	0	0	0	0	0	0	0	0	1	3
1467	16.0	Podarke cf obscura	0	0	1	0	2	0	0	0	0	0	0	0	2	3
1475	16.0	Perolepis sp	0	0	1	1	0	0	1	0	0	0	0	0	3	3
1476	16.0	Arididea (Acmira) sp D (cf Vit	0	3	0	0	0	0	0	0	0	0	0	0	1	3
1481	16.0	Owenia sp	0	0	0	0	3	0	0	0	0	0	0	0	1	3
1509	16.0	Leanira cf alba	0	0	0	0	0	0	0	0	0	0	0	3	1	3
1515	23.0	Ostracoda AA	2	0	0	0	1	0	0	0	0	0	0	0	2	3
1536	16.0	Leitoscoloplos sp.	0	0	0	1	0	0	2	0	0	0	0	0	2	3
1548	16.0	Sclerobregma stenocerum	0	3	0	0	0	0	0	0	0	0	0	0	1	3
1563	16.0	Ancistrosyllis sp. a (cf. vitt	0	0	0	0	0	0	0	0	0	0	3	0	1	3
1570	16.0	Cirriformia sp. A (cf. Vittor)	0	0	2	0	1	0	0	0	0	0	0	0	2	3
1578	16.0	Anaitides sp.	0	0	0	0	0	0	0	0	3	0	0	0	1	3
1593	27.0	Seriolis mgrayi	0	3	0	0	0	0	0	0	0	0	0	0	2	3
1605	31.0	Hypoconcha arcuata	0	0	0	0	3	0	0	0	0	0	0	0	1	3
1617	11.0	Caecum vestitum	0	0	1	0	0	0	0	1	0	0	1	0	3	3
1627	12.0	Thyasira flexuosa	0	3	0	0	0	0	0	0	0	0	0	0	2	3

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1638	11.0	Calliostoma cf. vulcatecanum	2	0	0	0	1	0	0	0	0	0	0	0	2	3
1641	12.0	Laevicardium pictum	0	0	0	0	2	1	0	0	0	0	0	0	2	3
1645	12.0	Divaricella quadrisulcata	0	1	0	0	0	2	0	0	0	0	0	0	3	3
1673	43.0	Blenniidae	0	3	0	0	0	0	0	0	0	0	0	0	2	3
1687	31.0	Leptalpheus forceps	0	0	0	2	0	0	0	1	0	0	0	0	2	3
1696	12.0	Lima cf. locklini	0	0	0	0	3	0	0	0	0	0	0	0	1	3
1698	11.0	Episcynia sp. A (mms)	0	0	0	0	2	1	0	0	0	0	0	0	2	3
1709	26.0	Ampelisca, black eye (mms)	0	0	0	0	0	0	0	3	0	0	0	0	1	3
1715	11.0	Sigatica carolinensis	3	0	0	0	0	0	0	0	0	0	0	0	1	3
1743	16.0	Spioniform - projecting acicul	0	0	0	0	0	0	0	1	0	0	0	2	3	3
1749	31.0	Goneplax Sigshei	0	0	0	0	0	3	0	0	0	0	0	0	1	3
1766	16.0	Polydora caullery i	0	0	3	0	0	0	0	0	0	0	0	0	1	3
1768	16.0	Priouospio ehlersi	0	0	3	0	0	0	0	0	0	0	0	0	1	3
1772	16.0	Prionospio multibranchiata	0	0	0	0	3	0	0	0	0	0	0	0	1	3
1773	16.0	Prionospio dubia	0	0	0	0	0	0	0	0	1	2	0	0	2	3
1777	16.0	Lamice conchilega	0	1	2	0	0	0	0	0	0	0	0	0	2	3
1798	16.0	Kinbergonuphis sp.	0	0	1	0	0	2	0	0	0	0	0	0	2	3
1802	16.0	Marphysa sp. C	0	0	1	0	1	0	1	0	0	0	0	0	3	3
4	31.0	Albunea paretii	0	0	0	0	2	0	0	0	0	0	0	0	2	2
21	23.0	Ostracoda f	1	0	0	0	0	1	0	0	0	0	0	0	2	2
108	12.0	Paramya subovata	0	0	0	0	0	0	1	1	0	0	0	0	2	2
110	16.0	Pectinaria gouldii	0	0	0	0	1	0	0	0	0	1	0	0	2	2
123	16.0	Sigambra bassi	0	0	0	0	0	0	0	0	2	0	0	0	1	2
189	12.0	Tellinidae	0	0	0	0	1	0	0	0	0	1	0	0	2	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
229	23.0	Ostracoda b	0	0	0	2	0	0	0	0	0	0	0	0	1	2
242	16.0	Prionospio heterobranchia	0	1	1	0	0	0	0	0	0	0	0	0	2	2
251	11.0	Oliva sayana	0	0	0	0	2	0	0	0	0	0	0	0	1	2
254	23.0	Ostracoda (thick)	0	0	0	0	0	0	0	0	0	2	0	0	1	2
261	12.0	Lyonsia hyalina floridana	0	2	0	0	0	0	0	0	0	0	0	0	1	2
265	12.0	Corbula sp	0	0	0	0	0	0	0	0	1	0	1	0	2	2
272	12.0	Mytilidae	0	0	1	0	1	0	0	0	0	0	0	0	2	2
336	16.0	Prionospio dayi	0	1	0	0	1	0	0	0	0	0	0	0	2	2
344	31.0	Micropanope nuttingi	0	0	0	0	0	0	0	2	0	0	0	0	1	2
348	26.0	Amphipoda, brown spots	2	0	0	0	0	0	0	0	0	0	0	0	1	2
402	16.0	Amaeana trilobata	0	0	1	0	1	0	0	0	0	0	0	0	2	2
474	12.0	Bivalvia (dirty ventrum)	0	0	0	0	0	0	0	0	2	0	0	0	1	2
523	12.0	Strigilla mirabilis	2	0	0	0	0	0	0	0	0	0	0	0	2	2
528	16.0	Paranaitis speciosa	1	0	0	0	0	0	0	0	1	0	0	0	2	2
546	19.0	Pycnogonida	0	1	0	0	0	1	0	0	0	0	0	0	2	2
559	16.0	Onuphidae	0	0	0	0	0	1	0	0	0	0	1	0	2	2
621	16.0	Ophelina cylindricaudata	0	2	0	0	0	0	0	0	0	0	0	0	1	2
633	16.0	Hobsonia florida	0	0	0	0	1	0	0	0	0	1	0	0	2	2
643	16.0	Arabella cf iricolor	0	0	0	0	0	1	1	0	0	0	0	0	2	2
697	16.0	Magelona unid	0	1	0	0	0	0	0	0	0	0	1	0	2	2
719	12.0	Leptonidae	0	0	0	0	0	0	0	2	0	0	0	0	1	2
847	31.0	Callianassa jamaicense	0	0	0	0	0	2	0	0	0	0	0	0	1	2
923	16.0	Tauberia gracilis	1	0	0	0	0	0	0	0	0	1	0	0	2	2
940	16.0	Harmothoe extenuata	0	0	0	0	0	2	0	0	0	0	0	0	1	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
989	16.0	Marphysa sp a	0	1	0	0	1	0	0	0	0	0	0	0	2	2
1001	16.0	Harmothoe imbricata	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1014	16.0	Sphaerodoropsis sp	0	0	0	2	0	0	0	0	0	0	0	0	1	2
1060	6.0	Nemertea, 2 yellow bands	0	0	0	0	1	0	0	1	0	0	0	0	2	2
1062	28.0	Cumacea bb	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1122	15.0	Thalassema sp.	0	0	0	0	0	0	2	0	0	0	0	0	1	2
1133	16.0	Lumbrinerides	0	0	0	0	0	0	0	0	0	2	0	0	1	2
1171	6.0	Nemertea (purple band)	0	0	0	0	0	0	0	0	2	0	0	0	1	2
1175	12.0	Macoma pulleyi	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1215	16.0	Aricidea (Aricidea) longicirra	0	0	0	1	0	0	0	0	1	0	0	0	2	2
1250		Sthenelanelia sp A	0	1	0	0	0	0	0	0	1	0	0	0	2	2
1259	16.0	Spiophanes sp	0	0	0	0	0	1	0	1	0	0	0	0	2	2
1265	16.0	Telothelopus cf. capensis	0	0	0	0	0	0	2	0	0	0	0	0	1	2
1287		Aplacophora	0	2	0	0	0	0	0	0	0	0	0	0	1	2
1293		Aspidosiphon cf speciosus	0	0	0	0	1	1	0	0	0	0	0	0	2	2
1297	27.0	Anthurid (cyathura?)	0	0	0	0	0	2	0	0	0	0	0	0	1	2
1314	28.0	Tropedotea lyonsi	1	0	0	0	0	0	1	0	0	0	0	0	2	2
1321	23.0	Ostracoda W	0	0	0	0	0	1	1	0	0	0	0	0	2	2
1331	31.0	Elthusia mascarone	0	0	0	0	1	0	0	0	0	0	0	1	2	2
1332	31.0	Alpheopsis sp (MMS)	0	0	0	0	0	0	0	0	1	1	0	0	2	2
1346	11.0	Epitonium sp	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1351	11.0	Caecum pulchellum	1	0	0	1	0	0	0	0	0	0	0	0	2	2
1354	11.0	Strombiformis hemphilli	0	1	0	0	0	0	0	0	1	0	0	0	2	2
1356	11.0	Kurtziella sp A (MMS)	0	1	0	0	1	0	0	0	0	0	0	0	2	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1365	12.0	Arcopsis adamsi	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1373	12.0	Nemocardium perambile	0	0	0	0	1	1	0	0	0	0	0	0	2	2
1374	12.0	Parvilucina blanda	0	0	0	0	1	1	0	0	0	0	0	0	2	2
1375	12.0	Anadara sp A (MMS)	0	0	0	0	2	0	0	0	0	0	0	0	1	2
1376	12.0	Vesicomya (?) sp	0	0	0	0	2	0	0	0	0	0	0	0	1	2
1410	16.0	Magelona sp B (cf Vittor)	1	0	0	0	1	0	0	0	0	0	0	0	2	2
1413	16.0	Glycera sp A (cf Vittor)	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1429	16.0	Apomatus sp A (cf Vittor)	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1430	16.0	Fabricia sp A (cf Vittor)	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1444	16.0	Meiodorvillea sp	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1448	16.0	Caullierella sp B (cf Vittor)	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1469	16.0	Glycera sphyranbrancha	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1474	16.0	Orbinia americana	0	0	0	2	0	0	0	0	0	0	0	0	1	2
1482	16.0	Diopatra papillata	0	0	0	0	2	0	0	0	0	0	0	0	2	2
1484	16.0	Aricidea sp C (cf Vittor)	1	0	0	0	1	0	0	0	0	0	0	0	2	2
1487	16.0	Mesochaetopterus sp	0	0	0	1	1	0	0	0	0	0	0	0	2	2
1496	16.0	Arididea (Allia) alisdairi	0	0	0	0	0	0	2	0	0	0	0	0	1	2
1504	16.0	Magelona sp C (cf Vittor)	0	0	0	0	0	0	0	0	1	1	0	0	2	2
1526	16.0	Mesochaetopterus capensis	0	1	1	0	0	0	0	0	0	0	0	0	2	2
1546	16.0	Sigalion sp. a (cf. vittor)	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1551	16.0	Polynoidae genus a (cf. vittor)	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1552	16.0	Pomatoceros sp.	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1553	16.0	Apomatus sp.	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1559	16.0	Mystides sp.	0	0	0	2	0	0	0	0	0	0	0	0	1	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1562	16.0	Sigalonidae	0	0	0	0	0	0	0	0	2	0	0	0	1	2
1565	16.0	Notomastus cf. a (cf. vittor)	0	0	0	0	1	1	0	0	0	0	0	0	2	2
1571	16.0	Chone sp. A (cf. Vittor)	0	0	1	0	1	0	0	0	0	0	0	0	2	2
1575	16.0	Rhinothelaps sp. A (cf. Vitto)	0	0	1	0	0	0	1	0	0	0	0	0	2	2
1589	31.0	Leptochela papulata	1	0	0	0	0	1	0	0	0	0	0	0	2	2
1599	31.0	Munida pusilla	0	0	2	0	0	0	0	0	0	0	0	0	2	2
1604	15.0	Echiuroidea	0	0	0	0	2	0	0	0	0	0	0	0	1	2
1620	12.0	Semele nucloides	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1623	11.0	Opisthobranchia	0	1	0	0	0	0	0	0	0	1	0	0	2	2
1642	11.0	Ichthythara sp. A (mms)	1	0	0	0	1	0	0	0	0	0	0	0	2	2
1647	10.1	Pruvatina sp.	1	0	0	0	0	0	1	0	0	0	0	0	2	2
1648	12.0	Bivalvia, brown spot siphon (m	0	0	0	0	0	0	0	2	0	0	0	0	1	2
1655	12.0	Cuspidaria jeffreysi	0	0	0	0	0	0	0	0	0	1	0	1	2	2
1656	12.0	Cuspidaria sp.	0	0	0	0	0	0	0	0	0	0	2	0	1	2
1667	31.0	Hypoconcha spinosissima	0	2	0	0	0	0	0	0	0	0	0	0	1	2
1671	27.0	Gnathia sp.	0	1	0	0	0	0	0	0	0	1	0	0	2	2
1677	6.0	Nemertea, speckled (mms)	0	1	1	0	0	0	0	0	0	0	0	0	2	2
1682	11.0	Urosalpinx sp.	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1694	14.0	Aspidosiphon sp. (mms)	0	0	0	0	0	0	0	0	0	0	2	0	2	2
1700	23.0	Ostracoda FF	0	0	0	0	2	0	0	0	0	0	0	0	1	2
1701	28.0	Cumacea, 2 carapace ridges	0	0	0	0	0	1	0	0	1	0	0	0	2	2
1707	4.0	Anemone, Cerianthid	0	0	0	0	0	1	1	0	0	0	0	0	2	2
1712	31.0	Collodes sp.	0	0	0	0	0	0	0	0	0	0	2	0	2	2
1721	12.0	Lyonsia sp. C (mms)	0	1	0	0	0	1	0	0	0	0	0	0	2	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1725	10.1	Chaetomorpha sp.	0	0	0	1	0	0	1	0	0	0	0	0	2	2
1729	26.0	Lembos sp.	0	0	0	0	0	0	2	0	0	0	0	0	1	2
1733	31.0	Alpheus, emarginate hood	0	0	0	0	0	0	0	0	2	0	0	0	1	2
1742	29.0	Tamardacea	0	0	0	0	0	0	0	2	0	0	0	0	2	2
1744	28.0	Cumacea AA (mms)	0	0	0	1	0	0	0	0	0	0	0	1	2	2
1748	31.0	Ranilie Musicata	2	0	0	0	0	0	0	0	0	0	0	0	1	2
1756	16.0	Kinbergonuphis Sp.	0	0	2	0	0	0	0	0	0	0	0	0	1	2
1786	16.0	Heplosyllis spongicola	0	2	0	0	0	0	0	0	0	0	0	0	1	2
1804	16.0	Kinbergonuphis vermillionensis	0	0	0	0	1	0	0	0	0	1	0	0	2	2
1806	16.0	Kinbergonuphis multidentata	0	0	0	0	2	0	0	0	0	0	0	0	1	2
1814	16.0	Lumbrineris sp.	0	0	1	0	0	0	0	1	0	0	0	0	2	2
11	12.0	Anadara transversa	0	0	0	0	1	0	0	0	0	0	0	0	1	1
12	16.0	Ancistrosyllis sp a	0	0	0	0	0	0	1	0	0	0	0	0	1	1
15	16.0	Ancistrosyllis hartmanae	0	0	0	0	1	0	0	0	0	0	0	0	1	1
64	31.0	Lepidopa benedicti	0	1	0	0	0	0	0	0	0	0	0	0	1	1
92	16.0	Nereis succinea	0	0	0	0	0	0	0	0	0	0	1	0	1	1
107	31.0	Panopeus turgidus	0	0	0	1	0	0	0	0	0	0	0	0	1	1
115	31.0	Pinnixa lunzi	0	0	0	0	0	1	0	0	0	0	0	0	1	1
130	25.0	Squilla empusa	0	0	0	0	0	0	1	0	0	0	0	0	1	1
132	16.0	Streblospio benedicti	0	0	1	0	0	0	0	0	0	0	0	0	1	1
138	15.0	Thalassema hartmani	0	0	1	0	0	0	0	0	0	0	0	0	1	1
149	21.0	Harpacticoida	0	0	0	0	0	1	0	0	0	0	0	0	1	1
152	16.0	Nereiphylla fragilis	0	0	0	0	1	0	0	0	0	0	0	0	1	1
159	5.0	Stylochus ellipticus	0	0	0	0	1	0	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
203	13.0	Dentalium texasianum	0	0	0	0	1	0	0	0	0	0	0	0	1	1
206	16.0	Schistomeringos rudolphi	0	0	0	0	0	0	0	1	0	0	0	0	1	1
208	31.0	Goneplacidae	0	0	0	0	0	0	0	0	0	0	1	0	1	1
214	31.0	Persephona crinata	0	0	0	0	0	1	0	0	0	0	0	0	1	1
230	28.0	Cumacea a	0	0	0	0	1	0	0	0	0	0	0	0	1	1
239	12.0	Chione clenchi	0	0	0	0	0	1	0	0	0	0	0	0	1	1
258	12.0	Lucinidae	0	0	0	0	0	0	0	1	0	0	0	0	1	1
260	16.0	Myriowenia californ	0	0	0	0	1	0	0	0	0	0	0	0	1	1
262	16.0	Pista sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
291	16.0	Scoloplos sp	0	0	0	0	0	1	0	0	0	0	0	0	1	1
308	31.0	Pinnixa sayana	0	0	0	0	0	0	0	0	0	1	0	0	1	1
312	16.0	Leitoscoloplos fragilis	1	0	0	0	0	0	0	0	0	0	0	0	1	1
313	11.0	Rictaxis punctostriatus	1	0	0	0	0	0	0	0	0	0	0	0	1	1
351	16.0	Chaetopterus variopedatus	0	0	0	0	0	0	1	0	0	0	0	0	1	1
353	16.0	Arabella sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
358	16.0	Clymenella sp, fragment	0	0	0	0	0	1	0	0	0	0	0	0	1	1
394	16.0	Pherusia inflata	0	1	0	0	0	0	0	0	0	0	0	0	1	1
398	31.0	Decapod megalops	0	0	1	0	0	0	0	0	0	0	0	0	1	1
408	31.0	Goneplax sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
414	16.0	Hydroides dianthus	0	0	0	0	1	0	0	0	0	0	0	0	1	1
424	16.0	Litocorsa cf stremma	0	0	0	0	0	0	1	0	0	0	0	0	1	1
438	11.0	Bubble shell	1	0	0	0	0	0	0	0	0	0	0	0	1	1
480	31.0	Parthinopidae (spiny)	0	0	0	0	0	0	0	0	0	1	0	0	1	1
515	11.0	Turbonilla sp	0	0	0	0	0	0	0	0	1	0	0	0	1	1

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520	11.0	Melanelidae	0	0	0	0	1	0	0	0	0	0	0	0	1	1
540	26.0	Lembos brunneomaculata mac	0	0	0	0	0	0	0	0	1	0	0	0	1	1
557	3.0	Lovenella grandis (col)	0	0	0	0	0	0	1	0	0	0	0	0	1	1
567	12.0	Jouannetia quillingi	0	0	0	0	1	0	0	0	0	0	0	0	1	1
598	16.0	Ancistrosyllis papillosa	0	0	0	0	0	0	0	1	0	0	0	0	1	1
612	11.0	Pyramidella crenulata	1	0	0	0	0	0	0	0	0	0	0	0	1	1
613	23.0	Ostracoda n	0	0	0	0	1	0	0	0	0	0	0	0	1	1
616	15.0	Echiuroidea cf thalassema	0	0	0	0	0	0	1	0	0	0	0	0	1	1
622	16.0	Autolytus sp	0	0	0	0	1	0	0	0	0	0	0	0	1	1
657	16.0	Sigambra sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
671	16.0	Amphinomidae	0	0	0	0	0	0	1	0	0	0	0	0	1	1
672	16.0	Owenia cf. fusiformis	0	0	0	0	1	0	0	0	0	0	0	0	1	1
722	39.0	Asciadiacea	1	0	0	0	0	0	0	0	0	0	0	0	1	1
725	34.0	Cucumariidae	0	0	1	0	0	0	0	0	0	0	0	0	1	1
737	26.0	Monoculodes edwardsi	0	0	0	0	0	0	0	0	1	0	0	0	1	1
792	12.0	Lucina pectinata	0	0	0	0	0	0	0	0	0	1	0	0	1	1
808	31.0	Pinnixa cf chaetoperana	0	0	0	0	0	1	0	0	0	0	0	0	1	1
864	31.0	Leptochela sp	0	1	0	0	0	0	0	0	0	0	0	0	1	1
868	16.0	Isolda pulchella	1	0	0	0	0	0	0	0	0	0	0	0	1	1
870	16.0	Sabella melanostigma	0	0	1	0	0	0	0	0	0	0	0	0	1	1
880	26.0	Oediceratidae	1	0	0	0	0	0	0	0	0	0	0	0	1	1
933	16.0	Anaitides cf mucosa	0	0	0	0	0	0	1	0	0	0	0	0	1	1
934	16.0	Eunicidae	0	0	1	0	0	0	0	0	0	0	0	0	1	1
955	16.0	Nereis grayi	0	0	0	0	0	0	1	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
960	16.0	Diplocirrus sp	0	1	0	0	0	0	0	0	0	0	0	0	1	1
961	16.0	Polynoidae sp b	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1004	16.0	Scoloplos acmeceps	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1016	16.0	Lumbrineris sp a	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1017	16.0	Goniada norvegica	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1018	16.0	Magelona sp A (cf Vittor)	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1024	16.0	Lumbrineris januarii	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1041	31.0	Portunus gibbesii	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1121	5.0	Stylochus sp.	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1184	11.0	Pleurobranchaea sp	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1192	16.0	Cirriformia sp	0	0	0	0	0	0	0	1	0	0	0	0	1	1
1207	31.0	Sicyonia sp	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1233	16.0	Hemipodus sp	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1239	16.0	Barantolla sp A	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1252	16.0	Amparete cf. irana heterobranc	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1257	16.0	Petaloproctus sp	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1261	16.0	Minuspio sp A	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1267	16.0	Eurythoe sp	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1270	16.0	Euchone cf. southern	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1272		Nemertean	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1291	6.0	Nemertea (yellow line)	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1292	11.0	Kurtziella	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1294	10.1	Cadulus sp	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1299	12.0	Bivalvia (Amygdalum?)	0	0	0	0	0	0	1	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1302	9.0	Phoronid frag.	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1303	12.0	Septibranch	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1306	16.0	Scalibregma inflatum	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1307	12.0	Solen	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1308		Branchiostoma	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1309	16.0	Trypanosyllis cf. parvidentata	0	0	0	0	0	0	0	1	0	0	0	0	1	1
1325	36.0	Luidia clathrata	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1327	29.0	Tanaid cf. Hargeria	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1328	27.0	Arcturidae	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1340	11.0	Cereodrilla sp A (MMS)	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1349	12.0	Pandora bushiana	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1353	11.0	Kurtziella limonitella	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1355	13.0	Cadulus transitorius	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1357	11.0	Olivella sp A (MMS)	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1362	12.0	Anadara sp B (MMS)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1369	12.0	Cardiomya sp	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1372	13.0	Laevidentaliidae	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1379	11.0	Opalina sp B (MMS)	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1380	11.0	Crepidula convexa	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1383	10.2	Chaetopleura sp A (MMS)	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1384	10.2	Polyplacophora	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1386	11.0	Crassispira sp	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1389	12.0	Verticardia ornata	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1393	11.0	Agatris agassizi	0	0	0	0	0	1	0	0	0	0	0	0	1	1

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1394	11.0	Ceriodrilla sp A (MMS)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1395	11.0	Calliostoma yucatecanum	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1396	12.0	Lyonsia sp B (MMS)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1399	12.0	Nuculana carpenteri	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1404	12.0	Lucina bellastriata	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1409	16.0	Nothria sp. A (cf Vittor)	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1418	16.0	Hesionidae genus A	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1420	16.0	Hesionella elongata	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1422	16.0	Grubeulepis mexicana	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1428	16.0	Lacydonia mirabilis	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1441	16.0	Lumbrineriopsis paradoxa	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1442	16.0	Motomastus sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1446	16.0	Protomystides bidentata	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1462	16.0	Syllis (Ehlersia) sp A (cf Vit	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1468	16.0	Prionosyllis cf sp B (cf Vitto	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1478	16.0	Polycirrus cf denticulatus	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1486	16.0	Polycirrus eximius dubius	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1488	16.0	Caulerielia sp A (cf Vittor)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1491	16.0	Opisthosyllis sp A (cf Vittor)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1493	16.0	Syllides floridanus	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1494	16.0	Lumbrinerides cf acuta	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1500	16.0	Asychis sp	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1505	16.0	Stenolepis sp A (cf Vittor)	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1506	16.0	Notomastus lineatus	0	0	0	0	0	0	0	0	0	0	1	0	1	1

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1508	16.0	Naiades sp	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1510	16.0	Eurythoe cf complanata	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1513	16.0	Aricidea trilobata	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1516	23.0	Ostracoda BB	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1522	23.0	Ostracoda HH	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1525	16.0	Paranaitis poly noides	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1528	16.0	Scalibregmidae	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1530	16.0	Nephtys squamosa	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1534	16.0	Macrochaeta sp.	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1535	16.0	Magelona sp. l (cf. vittor)	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1543	16.0	Synelmis klatti	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1549	16.0	Genetyllis sp.	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1550	16.0	Lygdamus indicus	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1554	16.0	Serpula sp.	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1555	16.0	Hydroipes sp. a (cf. vittor)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1557	16.0	Eulalia sp.	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1560	16.0	Anaitides sq.	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1566	16.0	Psammolyce sp.	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1567	16.0	Magelona sp. d (cf. vittor)	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1568	16.0	Chaetzone sp. B (cf. Vittor)	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1576	16.0	Eunice tenuis	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1579	16.0	Sabellaria sp. A (cf. Vittor)	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1580	16.0	Hydroides sp.	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1581	16.0	Kinbergonuphis sp. B (cf. Vittor)	0	0	1	0	0	0	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1582	16.0	Scyphoplatyproctus (?)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1584	6.0	Nemertea, 2 "eyes"	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1585	8.0	Bryozoa, round operculum (mms)	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1591	43.0	Triglidae	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1594	31.0	Colloides trispinosus	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1598	31.0	Alpheidae	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1600	31.0	Upogebia sp.	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1601	10.0	Brachiopoda	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1606	31.0	Ranilia sp.	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1610	31.0	Porcellana sigsbeiana	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1613	31.0	Processa sp.	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1614	26.0	Ampelisca, brown stained eyes	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1615	31.0	Reptant decapod	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1616	37.0	Brissopsis sp.	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1622	11.0	Daphnella mora	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1629	12.0	Poromya subovata	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1630	12.0	Propeamussium sp.	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1632	11.0	Caecum sp.	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1633	11.0	Nannodiella oxia	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1634	11.0	Melanella intermedia	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1635	11.1	Octopus vulgaris	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1636	11.0	Polinices lacteus	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1637	11.0	Olivella sp. B (mms)	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1639	11.0	Diodora cayensis	0	0	0	0	1	0	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1640	11.0	Anachis floridana	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1643	11.0	Sayella hemphilli	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1644	12.0	Pitar fulminata	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1651	12.0	Thyasira sp.	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1653	11.0	Cancellaria reticulata	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1654	11.0	Sayella sp.	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1657	10.1	Scutopus sp.	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1660	23.0	Ostracoda EE	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1661	29.0	Tanaid sp. A (mms)	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1665	11.0	Philene sagra	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1668	27.0	Accalanthura crenulata	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1670	26.0	Carinobatea sp.	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1674	43.0	Symphurus sp.	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1675	6.0	Nemertea, eyes (mms)	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1676	12.0	Calyptraea centralis	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1678	8.0	Bryozoa, cup shape, circular o	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1680	12.0	Lucina muricata	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1681	16.0	Archaeannelid	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1683	6.0	Nemertea, yb + slender snout (0	0	1	0	0	0	0	0	0	0	0	0	1	1
1685	28.0	Cumacea, spiny carapace	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1686	28.0	Cumacea, square front	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1688	31.0	Myropsis quinquespinosa	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1689	28.0	Cumacea, trispine carapace	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1690	12.0	Solariorbis infracarinatus	0	0	0	1	0	0	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1691	6.0	Nemertea, banded, spatulate he	0	0	0	1	0	0	0	0	0	0	0	0	1	1
1693	31.0	Alpheus sp.	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1697	11.0	Nudibranchia	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1699	13.0	Fissidentalium sp.	0	0	0	0	1	0	0	0	0	0	0	0	1	1
1702	34.0	Flatfish	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1704	12.0	Tellina semiaspersa	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1705	11.0	Olivella watermanni	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1706	15.0	Echiuroidea (mms)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1710	26.0	Amphipoda, broad hood (mms)	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1713	31.0	Ovalipes ocellatus	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1714	11.0	Turbonilla hemphilli	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1716	12.0	Tellina texana	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1718	12.0	Poromya sp. A (mms)	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1720	12.0	Codakia orbicularis	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1722	11.0	Pyramidella sp. A (mms)	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1723	27.0	Cymothoidae	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1724	10.1	Pruvotina	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1731	23.0	Ostracoda KK	0	0	0	0	0	0	0	1	0	0	0	0	1	1
1732	11.0	Mangelia sp. D (mms)	0	0	0	0	0	0	0	0	1	0	0	0	1	1
1734	31.0	Leiolambrus nitidus	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1736	26.0	Amphipoda, alpeid-like	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1738	10.2	Chaetopleura apiculata	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1741	37.0	Brissopsis alta bas elongati	0	0	0	0	0	0	0	0	0	0	0	1	1	1
1745	23.0	Ostracoda II	1	0	0	0	0	0	0	0	0	0	0	0	1	1

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All Cruises

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1747	42.0	Muddy Starburst	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1750	28.0	Cumacea DD (mms)	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1751	31.0	Xanthidae, orange, deep water	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1753	16.0	Heterospio Sp	0	0	0	0	0	0	0	0	0	0	1	0	1	1
1755	16.0	Prionospio Sp. A (mmc)	1	0	0	0	0	0	0	0	0	0	0	0	1	1
1758	16.0	Trichobranchus glacialis	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1764	16.0	Polydora Sp A (cf Vittor)	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1765	16.0	Polydora armata	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1769	16.0	Polychaete Coenus B (cf Vittor)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1776	16.0	Eupolymania sp. A (cf Vittor)	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1779	16.0	Terribelides atlantis	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1780	16.0	Paramphinomidae sp. A	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1782	16.0	Aricidea abbranchiata	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1783	16.0	Trochochaeta sp. B (cf Vittor)	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1784	16.0	Caulierella sp.	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1785	16.0	Potamilla reniformis	0	0	0	0	0	0	1	0	0	0	0	0	1	1
1787	16.0	Aspidobranchus sp	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1788	16.0	Cirrophorus fortifurcatus	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1789	16.0	Prionospio (Minuspio) sp C (cf	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1792	16.0	Ampharetidargenus A	0	0	0	0	0	1	0	0	0	0	0	0	1	1
1794	16.0	Ampharete sp. B	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1801	16.0	Rhamphobranchium sp. A	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1803	16.0	Onuphis geophiliformis	0	0	1	0	0	0	0	0	0	0	0	0	1	1
1805	16.0	Kinbergonuphis cedroensis	0	0	0	0	1	0	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
1810	16.0	<i>Eunice tennis</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1811	16.0	<i>Kinbergonuphis cf. mixta</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	1
1812	16.0	<i>Marphysa cf. conferta</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
1813	16.0	<i>Lumbrineris sp. F</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Total			4194	2641	2737	561	4903	3416	1233	826	3564	955	917	1888	4347	27835

Macroepifauna

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Epifauna Species Summaries
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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
144	37	<i>Brissopsis atlantica elongata</i>	0	0	0	255	0	0	0	0	0	0	0	0	1	255
104	31	<i>Portunus spinicarpus</i>	0	3	0	0	0	45	146	0	0	2	23	9	6	228
89	31	<i>Parapenaeus politus</i>	0	0	0	17	0	0	94	0	0	22	17	32	5	182
143	37	<i>Brissopsis alta</i>	0	0	0	0	0	0	0	0	0	0	0	130	1	130
57	31	<i>Anasimus latus</i>	0	0	0	0	0	1	1	0	0	1	73	0	4	76
123	31	<i>Trachypenaeus constrictus</i>	37	0	0	0	16	0	0	0	16	0	0	0	3	69
102	31	<i>Portunus gibbesii</i>	0	0	0	0	0	0	0	0	63	0	0	0	1	63
51	25	<i>Squilla empusa</i>	0	0	0	0	0	0	0	0	41	0	0	0	1	41
139	36	<i>Luidia clathrata</i>	21	11	0	0	0	1	0	0	0	0	0	0	3	33
61	31	<i>Callinectes similis</i>	0	0	0	0	0	0	0	0	11	17	0	0	2	28
170	37	<i>Brissopsis c.f. atlantica</i>	0	0	0	28	0	0	0	0	0	0	0	0	1	28
37	12.5	<i>Loligo pealei</i>	0	17	0	0	4	0	2	0	4	0	0	0	4	27
184	31	<i>Munida pusilla</i>	0	0	0	0	0	1	0	0	0	0	26	0	2	27
117	31	<i>Solenocera vioscai</i>	0	0	0	4	0	0	0	0	0	0	0	17	2	21
115	31	<i>Solenocera atlanticus</i>	0	0	0	0	12	1	0	0	7	0	0	0	3	20
112	31	<i>Sicyonia brevirostris</i>	12	0	0	0	0	5	0	0	0	1	0	0	3	18
39	12.5	<i>Loligo sp.</i>	0	0	1	0	0	0	0	0	0	16	0	0	2	17
92	31	<i>Parthenope granulata</i>	9	1	0	0	0	7	0	0	0	0	0	0	3	17
127	35	<i>Astroporpa annulata</i>	0	4	0	0	0	12	0	0	0	0	0	0	2	16
164	35	<i>Ophiozona impressa</i>	0	0	0	14	0	0	0	0	0	0	0	0	1	14
47	25	<i>Squilla chydrea</i>	0	0	0	0	0	0	6	0	0	0	7	0	2	13
59	31	<i>Calappa sulcata</i>	0	0	0	0	0	9	1	0	0	3	0	0	3	13
96	31	<i>Plesionika tenuipes</i>	0	0	0	0	0	0	0	0	0	0	10	3	2	13
140	36	<i>Tethaster grandis</i>	0	0	0	0	0	1	0	0	0	12	0	0	2	13

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Cruise B0

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
203	31	Eurypanopeus abbreviatus	0	0	0	0	0	0	0	0	0	0	13	0	1	13
28	12	Aequipecten glyptus	0	0	0	6	0	0	1	0	0	0	0	4	3	11
108	31	Raninoides louisianensis	0	0	0	0	0	0	0	0	0	2	9	0	2	11
113	31	Sicyonia burkenroadi	0	0	0	0	0	0	2	0	0	4	5	0	3	11
151	37	Diadema antillarum	0	11	0	0	0	0	0	0	0	0	0	0	1	11
2	04	Bunodactis texaensis	0	0	0	0	0	0	9	0	0	0	0	1	2	10
177	04	Actinaria	0	0	0	0	0	10	0	0	0	0	0	0	1	10
54	31	Acanthocarpus alexandri	0	0	0	8	0	0	1	0	0	0	0	0	2	9
189	31	Glyptoplax smith II	0	1	0	0	0	0	4	0	0	0	4	0	3	9
197	11	Xenophora conchiliophora	0	4	0	0	0	0	0	0	0	4	0	0	2	8
87	31	Pagurus longicarpus	6	0	0	1	0	0	0	0	0	0	0	0	2	7
118	31	Stenocyanops spinimana	0	0	2	2	0	1	2	0	0	0	0	0	4	7
120	31	Solenocera sp.	7	0	0	0	0	0	0	0	0	0	0	0	1	7
162	04	Paracyathus pulchellus	0	0	7	0	0	0	0	0	0	0	0	0	1	7
22	11	Polystira tellea	0	0	0	1	0	0	0	0	0	0	5	0	2	6
90	31	Parthenope agonus	0	6	0	0	0	0	0	0	0	0	0	0	1	6
114	31	Sicyonia dorsalis	0	0	0	0	0	0	0	0	6	0	0	0	1	6
119	31	Stenorhynchus seticornis	0	3	2	0	0	0	0	0	0	1	0	0	3	6
178	12	Argopecten nucleus	0	0	0	0	0	1	0	0	0	5	0	0	2	6
100	31	Porcellana sigsbeiana	0	0	0	5	0	0	0	0	0	0	0	0	1	5
128	35	Ophiolepis elegans	0	0	0	0	0	5	0	0	0	0	0	0	1	5
134	36	Astropecten duplicatus	0	0	0	0	1	0	0	0	3	0	1	0	3	5
163	03	Aglaophenia rigida	0	0	5	0	0	0	0	0	0	0	0	0	1	5
169	37	Brissopsis c.f. elongata	0	0	0	5	0	0	0	0	0	0	0	0	1	5

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Cruise B0

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
185	31	<i>Synalpheus townsendi</i>	0	0	0	0	0	2	0	0	0	3	0	0	2	5
205	31	<i>Ethusa microphthalma</i>	0	0	0	0	0	0	0	0	0	0	3	2	2	5
206	31	<i>Alpheus floridanus</i>	0	0	0	0	0	0	0	0	0	0	5	0	1	5
211	31	<i>Pomcellana sigsbeiana</i>	0	0	0	0	0	0	0	0	0	0	0	5	1	5
11	11	<i>Crepidula convexa</i>	4	0	0	0	0	0	0	0	0	0	0	0	1	4
50	25	<i>Squilla edentata edentata</i>	0	0	0	4	0	0	0	0	0	0	0	0	1	4
67	31	<i>Gnathia</i> sp.	0	4	0	0	0	0	0	0	0	0	0	0	1	4
84	31	<i>Pagurus bullisi</i>	0	1	0	1	0	0	0	0	0	1	1	0	4	4
85	31	<i>Pagurus bonairensis</i>	0	0	2	0	0	2	0	0	0	0	0	0	2	4
107	31	<i>Pyromaia cuspidata</i>	0	0	0	4	0	0	0	0	0	0	0	0	1	4
125	35	<i>Astrochema nutingii</i>	0	0	2	0	0	2	0	0	0	0	0	0	2	4
131	36	<i>Astropecten arthriculatus</i>	2	0	0	1	1	0	0	0	0	0	0	0	3	4
136	36	<i>Echinaster modestus</i>	0	1	1	0	0	2	0	0	0	0	0	0	3	4
145	37	<i>Clypeaster ravenelli</i>	0	0	0	0	0	4	0	0	0	0	0	0	1	4
171	31	<i>Munida longipes</i>	0	0	0	4	0	0	0	0	0	0	0	0	1	4
207	31	<i>Processa hemphilli</i>	0	0	0	0	0	0	0	0	0	0	4	0	1	4
7	11	<i>Cantharius cancellarius</i>	0	0	0	0	0	0	0	0	3	0	0	0	1	3
20	11	<i>Murex cabritii</i>	0	3	0	0	0	0	0	0	0	0	0	0	1	3
24	11	<i>Scaphella dubia</i>	0	0	0	0	0	0	3	0	0	0	0	0	1	3
78	31	<i>Mesorhoea sexispinosa</i>	2	0	0	0	0	0	0	0	1	0	0	0	2	3
95	31	<i>Petrochirus diogenes</i>	0	0	0	0	0	3	0	0	0	0	0	0	1	3
116	31	<i>Solenocera necopina</i>	0	0	0	1	0	0	0	0	0	0	2	0	2	3
159	02	<i>Chondrilla nucula</i>	0	0	2	0	0	0	0	0	0	1	0	0	2	3
218	31	<i>Elthusa macrophthalmus</i>	0	0	0	0	0	0	0	0	0	0	3	0	1	3

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Cruise B0

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
29	12	<i>Aequipecten muscosus</i>	0	0	2	0	0	0	0	0	0	0	0	0	1	2
32	12	<i>Argopecten gibbus</i>	2	0	0	0	0	0	0	0	0	0	0	0	1	2
38	12.5	<i>Loligo plei</i>	2	0	0	0	0	0	0	0	0	0	0	0	1	2
40	12.5	<i>Octopus joubini</i>	0	1	0	0	0	1	0	0	0	0	0	0	2	2
70	31	<i>Hypoconchia spinosissima</i>	0	2	0	0	0	0	0	0	0	0	0	0	1	2
86	31	<i>Pagurus defensus</i>	0	2	0	0	0	0	0	0	0	0	0	0	1	2
94	31	<i>Penaeus aztecus</i>	0	0	0	0	0	0	1	0	0	1	0	0	2	2
98	31	<i>Podochela sidneyi</i>	1	0	0	0	0	0	0	0	1	0	0	0	2	2
99	31	<i>Porcellana sayana</i>	0	1	0	0	0	0	1	0	0	0	0	0	2	2
122	31	<i>Stenopus scutellatus</i>	0	0	0	0	0	0	0	0	0	0	2	0	1	2
149	37	<i>Stylocardis affinis</i>	0	1	1	0	0	0	0	0	0	0	0	0	2	2
152	34	<i>Euthyonacta solida</i>	0	1	0	0	0	1	0	0	0	0	0	0	2	2
165	11	<i>Conus floridanus floridensis</i>	0	0	0	2	0	0	0	0	0	0	0	0	1	2
172	31	<i>Ethusa sp</i>	0	0	0	2	0	0	0	0	0	0	0	0	1	2
174	31	<i>Nanoplax xanthiformis</i>	0	0	0	1	0	0	0	0	0	1	0	0	2	2
179	37	<i>Clyreaster prostratus</i>	0	0	0	0	0	2	0	0	0	0	0	0	1	2
182	36	<i>Verrillaster spinulosus</i>	0	0	0	0	0	2	0	0	0	0	0	0	1	2
186	31	<i>Processa guyanae</i>	0	0	0	0	0	2	0	0	0	0	0	0	1	2
187	31	<i>Nibilia antilocapra</i>	0	0	0	0	0	0	0	0	0	1	1	0	2	2
201	31	<i>Spiocarcinus lobatus</i>	0	0	0	0	0	0	0	0	0	0	2	0	1	2
14	11	<i>Crepidula maculosa</i>	1	0	0	0	0	0	0	0	0	0	0	0	1	1
15	11	<i>Distorsio clathrata</i>	0	0	0	0	0	1	0	0	0	0	0	0	1	1
16	11	<i>Distorsio sp.</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
18	11	<i>Fasciolaria lillium tortugana</i>	1	0	0	0	0	0	0	0	0	0	0	0	1	1

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Cruise B0

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
43	13	Dentalium laqueatum	0	1	0	0	0	0	0	0	0	0	0	0	1	1
46	25	Acanthosquilla biminiensis	1	0	0	0	0	0	0	0	0	0	0	0	1	1
55	02	Agelas oroides	0	0	1	0	0	0	0	0	0	0	0	0	1	1
56	31	Albunea gibbesii	1	0	0	0	0	0	0	0	0	0	0	0	1	1
62	31	Callodes trispinosus	1	0	0	0	0	0	0	0	0	0	0	0	1	1
63	31	Dromidia antellensis	0	1	0	0	0	0	0	0	0	0	0	0	1	1
65	31	Ebalia stimpsoni	1	0	0	0	0	0	0	0	0	0	0	0	1	1
68	31	Hepatus epheliticus	1	0	0	0	0	0	0	0	0	0	0	0	1	1
69	31	Hypoconchia arculata	1	0	0	0	0	0	0	0	0	0	0	0	1	1
71	31	Iliacantha intermedia	1	0	0	0	0	0	0	0	0	0	0	0	1	1
76	31	Manucomplanus corallinus	0	1	0	0	0	0	0	0	0	0	0	0	1	1
80	31	Myropsis quinquespinosa	0	0	0	0	0	0	0	0	0	0	0	1	1	1
82	31	Osachelia semilevus	1	0	0	0	0	0	0	0	0	0	0	0	1	1
88	31	Palicus alternatus	0	1	0	0	0	0	0	0	0	0	0	0	1	1
91	31	Parthenope fraterculus	0	1	0	0	0	0	0	0	0	0	0	0	1	1
103	31	Portunus sayi	0	0	0	0	0	0	0	0	0	1	0	0	1	1
150	37	Sycyonia sp	1	0	0	0	0	0	0	0	0	0	0	0	1	1
153	12	Pecten raveneli	0	1	0	0	0	0	0	0	0	0	0	0	1	1
154	02	Homaxipholis waltonsmithii	0	0	1	0	0	0	0	0	0	0	0	0	1	1
155	35	Hemipholis elongata	0	0	1	0	0	0	0	0	0	0	0	0	1	1
156	35	Amphiolus squamatus	0	0	1	0	0	0	0	0	0	0	0	0	1	1
157	04	Leptogorgia setacea	0	0	1	0	0	0	0	0	0	0	0	0	1	1
158	02	Hymeniacionon heliophila	0	0	1	0	0	0	0	0	0	0	0	0	1	1
160	34	Psolus tuberculosis	0	0	1	0	0	0	0	0	0	0	0	0	1	1

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 Cruise B0

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
161	34	Holothurm lentiginosa enodis	0	0	1	0	0	0	0	0	0	0	0	0	1	1
166	11	Xenophora sp	0	0	0	1	0	0	0	0	0	0	0	0	1	1
167	11	Phalium granulatum	0	0	0	1	0	0	0	0	0	0	0	0	1	1
168	11	Haminoea elegans	0	0	0	1	0	0	0	0	0	0	0	0	1	1
173	31	Speocarcinus spinimana	0	0	0	1	0	0	0	0	0	0	0	0	1	1
175	31	Tetraxanthus rathbunae	0	0	0	1	0	0	0	0	0	0	0	0	1	1
176	31	Penaeus setiferus	0	0	0	0	1	0	0	0	0	0	0	0	1	1
180	37	Encope michelini	0	0	0	0	0	1	0	0	0	0	0	0	1	1
181	34	Thyonata gemmata	0	0	0	0	0	1	0	0	0	0	0	0	1	1
183	31	Galathea rostrata	0	0	0	0	0	1	0	0	0	0	0	0	1	1
188	36	Luidia c.f. clathrata	0	0	0	0	0	1	0	0	0	0	0	0	1	1
190	12	Pseudochama radians	0	0	0	0	0	0	1	0	0	0	0	0	1	1
191	12.5	Abralia veranyi	0	0	0	0	0	0	1	0	0	0	0	0	1	1
193	31	Munida irrasa	0	0	0	0	0	0	1	0	0	0	0	0	1	1
194	31	Homola barbata	0	0	0	0	0	0	1	0	0	0	0	0	1	1
195	31	Speocarcinus carolinensis	0	0	0	0	0	0	0	0	1	0	0	0	1	1
196	31	Pagurus brevidactylus	0	0	0	0	0	0	0	0	0	1	0	0	1	1
198	11	Murex florifer dilectus	0	0	0	0	0	0	0	0	0	1	0	0	1	1
199	31	Stenocionops furcata	0	0	0	0	0	0	0	0	0	1	0	0	1	1
200	31	Inachoides forceps	0	0	0	0	0	0	0	0	0	1	0	0	1	1
202	11	Polystira albida	0	0	0	0	0	0	0	0	0	0	1	0	1	1
204	31	Panopeus herbstii	0	0	0	0	0	0	0	0	0	0	1	0	1	1
208	31	Alpheus amblyonyx	0	0	0	0	0	0	0	0	0	0	1	0	1	1
209	31	Parapandalus longicauda	0	0	0	0	0	0	0	0	0	0	1	0	1	1

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 Cruise B0

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
210	11	<i>Scaphella dubia kieneri</i>	0	0	0	0	0	0	0	0	0	0	0	1	1	1
224	31	<i>Iridopagurus caribbensis</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
225	31	<i>Paguristes triangulatus</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL			116	87	35	371	35	128	278	0	157	103	220	205	224	1735

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Cruise B1

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
89	31	<i>Parapenaeus politus</i>	0	0	0	0	0	0	22	5	0	14	872	1050	7	1963
143	37	<i>Brissopsis alta</i>	0	0	0	0	0	5	0	0	0	0	314	297	5	616
104	31	<i>Portunus spinicarpus</i>	0	0	2	0	0	225	56	6	0	11	17	0	8	317
96	31	<i>Plesionika tenuipes</i>	0	0	0	0	0	0	0	2	0	0	264	4	3	270
100	31	<i>Porcellana sigsbeiana</i>	0	0	1	0	0	0	7	36	0	7	121	96	8	268
123	31	<i>Trachypenaeus constrictus</i>	0	0	0	0	0	0	0	0	184	67	0	0	4	251
38	12.5	<i>Loligo plei</i>	0	0	0	0	105	4	0	0	1	64	0	0	5	174
184	31	<i>Munida pusilla</i>	0	0	0	0	0	0	0	53	0	0	97	0	2	150
61	31	<i>Callinectes similis</i>	1	0	0	0	43	0	0	0	53	35	0	0	7	132
102	31	<i>Portunus gibbesii</i>	0	0	0	0	70	0	0	0	49	0	0	0	3	119
134	36	<i>Astropecten duplicatus</i>	0	0	0	0	8	0	0	0	82	21	0	0	5	111
28	12	<i>Aequipecten glyptus</i>	1	0	0	25	0	1	0	42	0	0	0	36	8	105
117	31	<i>Solenocera vioscai</i>	0	19	11	0	0	0	4	18	0	24	23	5	9	104
22	11	<i>Polystira tellea</i>	0	0	0	0	0	7	89	0	0	0	0	0	3	96
139	36	<i>Luidia clathrata</i>	55	0	0	0	0	11	0	0	27	0	0	0	5	93
7	11	<i>Cantharius cancellarius</i>	0	0	0	0	0	0	1	0	78	0	0	0	3	79
6	11	<i>Bursatella c.f. leachii pleii</i>	73	0	0	0	0	0	0	0	0	0	0	0	2	73
106	31	<i>Portunus ventralis</i>	0	70	0	0	0	0	0	0	0	0	0	0	1	70
57	31	<i>Anasimus latus</i>	0	1	9	0	0	2	4	0	0	1	49	0	7	66
144	37	<i>Brissopsis atlantica elongata</i>	0	0	0	0	0	0	0	0	0	0	45	18	4	63
108	31	<i>Raninoides louisianensis</i>	0	0	0	0	0	8	13	22	0	3	16	0	8	62
80	31	<i>Myropsis quinquespinosa</i>	0	2	3	0	0	0	5	10	0	0	29	4	9	53
113	31	<i>Sicyonia burkenroadi</i>	0	0	0	0	0	0	0	0	0	3	48	0	2	51
50	25	<i>Squilla edentata edentata</i>	0	0	0	0	0	0	0	0	0	50	0	0	2	50

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Cruise B1

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
137	36	<i>Luidia alternata</i>	42	2	0	0	2	0	0	0	0	0	0	0	4	46
79	31	<i>Munida forceps</i>	0	0	0	0	0	1	33	0	0	5	6	0	6	45
114	31	<i>Sicyonia dorsalis</i>	0	0	0	0	2	0	0	0	43	0	0	0	3	45
189	31	<i>Glyptoplax smith II</i>	0	0	0	0	0	0	7	36	0	0	0	0	2	43
90	31	<i>Parthenope agonus</i>	0	41	0	0	0	0	0	0	0	0	0	0	1	41
202	11	<i>Polystira albida</i>	0	0	0	5	0	0	34	0	0	0	0	0	4	39
47	25	<i>Squilla chydrea</i>	0	0	0	0	0	3	10	5	0	0	19	0	5	37
115	31	<i>Solenocera atlanticus</i>	0	17	16	0	0	0	0	0	0	0	0	0	2	33
218	31	<i>Elthusa macrophthalmus</i>	0	0	0	0	0	0	0	11	0	0	9	12	4	32
132	36	<i>Astropecten cingulatus</i>	5	3	0	0	2	0	20	1	0	0	0	0	6	31
30	12	<i>Anadara baughmani</i>	0	0	0	0	0	3	0	1	0	0	0	23	3	27
51	25	<i>Squilla empusa</i>	0	0	0	0	2	0	0	0	17	7	0	0	5	26
112	31	<i>Sicyonia brevis</i>	0	0	0	0	4	21	0	1	0	0	0	0	4	26
212	12	<i>Pleuromerus armilla</i>	0	0	0	10	0	0	0	12	0	0	0	0	3	22
103	31	<i>Portunus sayi</i>	4	0	0	0	0	0	0	0	17	0	0	0	3	21
119	31	<i>Stenorhynchus seticornis</i>	0	1	17	0	0	0	0	0	0	3	0	0	4	21
220	31	<i>Munida flinti</i>	0	0	0	0	0	12	0	0	0	0	9	0	2	21
59	31	<i>Calappa sulcata</i>	0	0	0	0	0	16	1	1	0	0	0	0	4	18
145	37	<i>Clypeaster ravenelli</i>	0	17	0	0	0	1	0	0	0	0	0	0	2	18
23	11	<i>Prunum apicina</i>	0	0	0	0	0	0	0	16	0	0	0	0	1	16
37	12.5	<i>Loligo pealei</i>	2	0	0	0	0	7	0	0	0	2	5	0	5	16
94	31	<i>Penaeus aztecus</i>	0	0	0	0	0	5	0	0	6	5	0	0	5	16
93	31	<i>Parthenope serrata</i>	11	1	0	0	2	0	0	0	0	0	0	0	4	14
99	31	<i>Porcellana sayana</i>	0	1	0	0	0	0	0	0	0	7	6	0	4	14

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Cruise B1

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
34	12	<i>Carditamera floridana</i>	0	0	0	0	0	0	0	13	0	0	0	0	1	13
74	31	<i>Leiolamburs nitidus</i>	0	0	0	0	0	0	0	0	0	13	0	0	2	13
219	4	<i>Calliactis tricolor</i>	0	0	0	0	0	1	0	1	0	5	6	0	4	13
296	35	<i>Ophioderma brevispinum</i>	0	0	0	12	0	0	0	0	0	0	0	0	1	12
15	11	<i>Distorsio clathrata</i>	0	1	0	0	0	1	0	0	8	1	0	0	5	11
21	11	<i>Nassarius albus</i>	0	0	0	0	0	0	0	10	0	1	0	0	2	11
68	31	<i>Hepatus epheliticus</i>	0	0	0	0	2	0	0	0	8	1	0	0	4	11
149	37	<i>Stylocardis affinis</i>	0	3	6	1	0	0	0	0	0	0	0	0	3	10
146	37	<i>Clypeaster rosaceus</i>	0	8	0	0	0	0	0	0	0	0	0	0	1	8
2	04	<i>Bunodactis texaensis</i>	0	0	0	0	0	0	0	0	7	0	0	0	1	7
84	31	<i>Pagurus bullisi</i>	0	0	0	0	0	0	0	0	7	0	0	0	1	7
85	31	<i>Pagurus bonairensis</i>	0	0	5	0	0	0	0	0	2	0	0	0	2	7
148	37	<i>Encope aberrans</i>	7	0	0	0	0	0	0	0	0	0	0	0	1	7
11	11	<i>Crepidula convexa</i>	5	0	0	0	0	1	0	0	0	0	0	0	2	6
24	11	<i>Scaphella dubia</i>	0	0	0	0	0	0	3	1	0	0	0	2	4	6
87	31	<i>Pagurus longicarpus</i>	0	0	0	0	0	0	0	0	6	0	0	0	1	6
130	36	<i>Anthenoides piercei</i>	0	1	0	1	0	0	0	3	0	0	0	1	4	6
35	12	<i>Nuculana acuta</i>	0	0	0	0	0	0	0	0	0	0	0	5	1	5
39	12.5	<i>Loligo sp.</i>	0	0	0	0	0	5	0	0	0	0	0	0	1	5
75	31	<i>Libinia emarginata</i>	0	0	0	0	1	0	0	0	3	1	0	0	4	5
98	31	<i>Podochela sidneyi</i>	0	1	0	0	0	2	0	0	2	0	0	0	3	5
105	31	<i>Portunus spinimanus</i>	0	0	0	0	1	0	0	0	1	3	0	0	4	5
177	04	<i>Actinaria</i>	0	0	0	0	0	1	2	1	0	0	0	1	5	5
187	31	<i>Nibilia antilocapra</i>	0	0	2	0	0	0	3	0	0	0	0	0	2	5

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
300	12	<i>Pitar albidus</i>	0	0	0	0	0	0	0	0	0	5	0	0	2	5
4	11	<i>Anachis lafresnayi</i>	0	0	0	0	0	4	0	0	0	0	0	0	1	4
13	11	<i>Crepidula fornicata</i>	0	0	2	0	0	0	0	0	0	2	0	0	2	4
111	31	<i>Scyllarus depressus</i>	0	0	1	0	0	1	0	0	0	0	2	0	3	4
118	31	<i>Stenocyanops spinimana</i>	0	0	0	0	0	0	0	4	0	0	0	0	1	4
135	36	<i>Astropecten marginatum</i>	4	0	0	0	0	0	0	0	0	0	0	0	1	4
140	36	<i>Tethaster grandis</i>	0	0	0	0	0	2	1	1	0	0	0	0	4	4
213	12	<i>Nemocardium perambile</i>	0	0	0	4	0	0	0	0	0	0	0	0	2	4
32	12	<i>Argopecten gibbus</i>	2	0	0	0	0	1	0	0	0	0	0	0	2	3
41	12.5	<i>Rossia tenera</i>	0	0	0	0	0	0	0	0	0	0	3	0	1	3
49	25	<i>Squilla edentata</i>	0	0	0	0	0	0	2	1	0	0	0	0	2	3
83	31	<i>Pachygrapsus transversus</i>	0	0	3	0	0	0	0	0	0	0	0	0	1	3
95	31	<i>Petrochirus diogenes</i>	0	0	0	0	0	0	0	0	0	2	1	0	3	3
125	35	<i>Astrochema nutingii</i>	0	0	3	0	0	0	0	0	0	0	0	0	1	3
127	35	<i>Astroporpa annulata</i>	0	0	0	0	0	1	2	0	0	0	0	0	2	3
216	12	<i>Yoldia limatula</i>	0	0	0	0	0	0	3	0	0	0	0	0	1	3
221	11	<i>Limopsis sulcata</i>	0	0	0	3	0	0	0	0	0	0	0	0	1	3
247	12	<i>Yoldia solinoides</i>	0	0	0	0	0	0	0	3	0	0	0	0	1	3
258	35	<i>Ophiolepis paucispinum</i>	0	0	0	0	0	0	0	0	0	3	0	0	1	3
12	11	<i>Crepidula plana</i>	0	0	0	0	0	0	0	0	2	0	0	0	1	2
25	11	<i>Tonna galea</i>	0	1	1	0	0	0	0	0	0	0	0	0	2	2
48	25	<i>Squilla deceptrix</i>	0	1	1	0	0	0	0	0	0	0	0	0	2	2
54	31	<i>Acanthocarpus alexandri</i>	0	0	0	0	0	0	0	1	0	0	0	1	2	2
58	31	<i>Calappa flammea</i>	0	2	0	0	0	0	0	0	0	0	0	0	1	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
62	31	Callodes trispinosus	0	0	0	0	0	0	2	0	0	0	0	0	1	2
72	31	Iliacantha lirodactylus	0	0	2	0	0	0	0	0	0	0	0	0	1	2
73	31	Iliacantha subglobosa	0	2	0	0	0	0	0	0	0	0	0	0	1	2
92	31	Parthenope granulata	0	0	0	0	0	2	0	0	0	0	0	0	1	2
97	31	Podochela riisei	0	0	0	0	0	0	0	0	0	1	1	0	2	2
110	31	Scyllarus chacei	0	2	0	0	0	0	0	0	0	0	0	0	1	2
116	31	Solenocera necopina	0	0	0	0	0	0	0	2	0	0	0	0	1	2
126	35	Astrophytum muricatum	0	0	2	0	0	0	0	0	0	0	0	0	1	2
128	35	Ophiolepis elegans	2	0	0	0	0	0	0	0	0	0	0	0	2	2
133	36	Astropecten comptus	0	2	0	0	0	0	0	0	0	0	0	0	1	2
136	36	Echinaster modestus	0	2	0	0	0	0	0	0	0	0	0	0	1	2
180	37	Encope michelini	2	0	0	0	0	0	0	0	0	0	0	0	1	2
217	11	Cancellaria sp	0	0	0	0	0	0	2	0	0	0	0	0	1	2
297	12.5	***Change to 41***	0	0	0	0	0	2	0	0	0	0	0	0	1	2
299	35	Ophiostigma isacanthus	0	0	0	0	0	0	0	2	0	0	0	0	1	2
1	04	ANTHOZOA	0	0	0	0	0	0	1	0	0	0	0	0	1	1
5	11	Architectonica nobilis	0	0	0	0	0	0	0	0	1	0	0	0	1	1
8	11	Conus mazei	0	0	0	0	0	0	0	1	0	0	0	0	1	1
9	11	Conus stimpsoni	0	1	0	0	0	0	0	0	0	0	0	0	1	1
10	11	Crassispira ostrearum	0	0	0	0	0	0	0	1	0	0	0	0	1	1
17	11	Fasciolaria lillium bullisi	0	0	0	0	0	0	1	0	0	0	0	0	1	1
19	11	Ficus communis	1	0	0	0	0	0	0	0	0	0	0	0	1	1
31	12	Anomia simplex	0	0	0	0	1	0	0	0	0	0	0	0	1	1
33	12	Atrina seminuda	0	0	0	0	0	0	0	0	0	0	0	1	1	1

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Cruise B1

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
40	12.5	<i>Octopus joubini</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
44	13	<i>Dentalium</i> sp.	0	0	0	0	0	0	1	0	0	0	0	0	1	1
52	25	<i>Squilla grenadensis</i>	0	0	0	0	0	0	0	1	0	0	0	0	1	1
60	31	<i>Callinectes sapidus</i>	0	0	0	0	1	0	0	0	0	0	0	0	1	1
64	31	<i>Dromia erythropus</i>	0	0	0	0	0	0	0	1	0	0	0	0	1	1
66	31	<i>Eriphia gonagra</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1
77	31	<i>Mesopeneus tropicalis</i>	0	0	0	0	1	0	0	0	0	0	0	0	1	1
81	31	<i>Nibilia acanthocarpa</i>	0	0	0	0	0	0	0	0	0	0	1	0	1	1
101	31	<i>Portunus bullisi</i>	0	0	0	0	0	0	0	0	0	0	1	0	1	1
109	31	<i>Scyllarides nodifer</i>	0	0	0	0	0	1	0	0	0	0	0	0	1	1
121	31	<i>Stenopus hispidus</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	1
122	31	<i>Stenopus scutellatus</i>	0	0	0	0	0	0	0	0	0	0	1	0	1	1
131	36	<i>Astropecten arthiculatus</i>	0	0	0	0	1	0	0	0	0	0	0	0	1	1
138	36	<i>Luidia barbadensis</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
141	36	<i>Tosia parva</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
147	37	<i>Clypeaster</i> sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
208	31	<i>Alpheus amblyonyx</i>	0	0	0	0	0	0	0	0	0	0	1	0	1	1
210	11	<i>Scaphella dubia kieneri</i>	0	0	0	0	0	0	1	0	0	0	0	0	1	1
214	11	<i>Murex formosus</i>	0	0	0	1	0	0	0	0	0	0	0	0	1	1
215	11	<i>Natica pusilla</i>	0	0	0	0	0	0	0	1	0	0	0	0	1	1
222	31	<i>Stenocianops spinimana</i>	0	0	0	0	0	0	0	1	0	0	0	0	1	1
223	12	<i>Pitar cordata</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	1
292	31	<i>Lysmata rathbunae</i>	0	0	0	0	0	0	0	0	0	0	0	1	1	1
293	31	Portunidae	0	1	0	0	0	0	0	0	0	0	0	0	1	1

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 Cruise B1

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
294	31	***Change to 285***	0	0	0	0	0	0	0	1	0	0	0	0	1	1
295	31	Munida benedicti	0	0	0	0	0	0	0	0	0	0	1	0	1	1
360	11	Pleurobranchaea sp.	0	0	0	0	0	0	0	0	0	0	0	1	1	1
372			0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL			217	206	89	62	248	357	330	328	604	369	1967	1558	359	6336

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Cruise B2

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
89	31	<i>Parapenaeus politus</i>	0	0	0	2	0	3	44	148	0	7	100	2221	11	2525
96	31	<i>Plesionika tenuipes</i>	0	0	0	0	0	0	0	368	0	0	38	1022	5	1428
100	31	<i>Porcellana sigsbeiana</i>	0	0	0	4	0	1	12	209	1	0	40	582	10	849
112	31	<i>Sicyonia brevirostris</i>	69	0	23	0	131	20	0	1	7	0	0	0	10	251
117	31	<i>Solenocera vioscai</i>	0	0	0	0	0	0	0	122	0	0	2	116	5	240
114	31	<i>Sicyonia dorsalis</i>	0	0	4	0	119	0	0	0	108	0	1	1	7	233
258	35	<i>Ophiolepis paucispinum</i>	0	0	0	216	0	0	0	0	0	0	0	0	2	216
104	31	<i>Portunus spinicarpus</i>	0	1	131	0	2	56	0	0	0	3	3	0	10	196
120	31	<i>Solenocera sp.</i>	0	0	2	1	4	143	8	0	0	5	1	0	7	164
149	37	<i>Stylocardis affinis</i>	0	0	161	0	0	0	0	0	0	0	0	0	2	161
115	31	<i>Solenocera atlanticus</i>	0	0	0	0	4	124	0	0	0	0	3	0	3	131
123	31	<i>Trachypenaeus constrictus</i>	12	0	0	0	93	0	0	0	9	0	0	0	6	114
57	31	<i>Anasimus latus</i>	0	0	11	0	0	3	0	7	0	3	68	1	10	93
303	31	<i>Xanthoidea</i>	0	4	0	4	2	0	3	41	12	1	22	1	15	90
108	31	<i>Raninoides louisianensis</i>	0	0	0	0	0	0	1	33	0	1	48	5	8	88
220	31	<i>Munida flinti</i>	0	0	0	0	0	0	2	55	0	0	29	2	6	88
218	31	<i>Elthusa macrophthalmus</i>	0	0	0	0	0	0	1	20	0	0	7	48	6	76
28	12	<i>Aequipecten glyptus</i>	0	0	0	34	1	4	0	15	0	0	1	19	9	74
80	31	<i>Myropsis quinquespinosa</i>	0	0	2	3	0	1	0	27	0	0	32	3	9	68
79	31	<i>Munida forceps</i>	0	0	0	0	0	0	1	46	0	0	16	4	6	67
231	31	<i>Processa sp.</i>	0	1	0	0	34	24	0	3	0	1	2	0	10	65
139	36	<i>Luidia clathrata</i>	46	7	3	0	0	7	0	0	0	1	0	0	8	64
186	31	<i>Processa guyanae</i>	0	0	60	0	0	0	2	0	0	0	0	0	3	62
301	31	<i>Alpheidae</i>	1	20	0	0	2	12	2	6	1	7	0	2	14	53

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Cruise B2

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
305	31	Caridea	0	1	0	0	1	0	26	0	0	0	22	0	4	50
309	31	Shrimp	0	0	0	0	0	14	0	1	0	1	1	28	5	45
30	12	Anadara baughmani	2	0	0	0	0	0	0	3	3	0	3	26	7	37
90	31	Parthenope agonus	0	3	33	0	0	0	0	0	0	0	0	0	3	36
54	31	Acanthocarpus alexandri	0	0	0	28	0	0	0	2	0	0	0	0	3	30
132	36	Astropecten cingulatus	9	0	1	14	1	0	0	0	3	0	0	0	6	28
22	11	Polystira tellea	0	0	0	7	0	0	11	0	0	0	9	0	6	27
47	25	Squilla chydrea	0	0	0	1	0	0	1	8	0	3	11	3	9	27
175	31	Tetraxanthus rathbunae	0	0	0	0	0	0	0	4	0	0	19	2	4	25
226	31	Trachypeneus similis	0	0	0	0	4	0	0	0	15	2	0	0	5	21
7	11	Cantharius cancellarius	0	0	0	0	12	0	0	0	6	0	1	0	4	19
128	35	Ophiolepis elegans	4	0	0	0	10	2	0	0	0	3	0	0	5	19
38	12.5	Loligo plei	0	6	0	0	7	5	0	0	0	0	0	0	4	18
321	31	Palicus fexoni	0	0	18	0	0	0	0	0	0	0	0	0	1	18
202	11	Polystira albida	0	0	0	5	1	0	0	1	0	0	8	1	7	16
232	31	Neopanope texana	0	0	0	0	0	0	0	0	0	0	0	16	1	16
98	31	Podochela sidneyi	2	0	0	0	3	4	0	0	1	4	0	0	7	14
113	31	Sicyonia burkenroadi	0	0	4	0	0	0	1	8	0	1	0	0	5	14
118	31	Stenocyanops spinimana	0	0	10	0	0	0	0	2	0	0	1	1	5	14
140	36	Tethaster grandis	0	3	0	0	0	2	1	7	0	0	1	0	7	14
244	31	Podochela gracilipes	0	0	14	0	0	0	0	0	0	0	0	0	2	14
37	12.5	Loligo pealei	0	0	0	0	0	0	0	0	8	5	0	0	2	13
92	31	Parthenope granulata	2	0	0	0	9	1	0	0	0	0	0	0	4	12
130	36	Anthenoides piercei	0	0	0	11	0	0	0	1	0	0	0	0	3	12

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
280	31	<i>Synalpheus fritzmuelleri</i>	0	0	0	0	0	0	0	0	0	0	0	12	1	12
302	31	<i>Chasmocarcinus mississippiensi</i>	0	0	0	0	0	0	0	1	0	1	10	0	4	12
307	31	Paguridea	1	0	1	4	1	1	1	1	0	0	2	0	9	12
126	35	<i>Astrophytum muricatum</i>	0	0	0	0	0	0	0	0	11	0	0	0	1	11
29	12	<i>Aequipecten muscosus</i>	10	0	0	0	0	0	0	0	0	0	0	0	1	10
107	31	<i>Pyromaia cuspidata</i>	0	0	1	9	0	0	0	0	0	0	0	0	3	10
119	31	<i>Stenorhynchus seticornis</i>	0	1	8	0	0	1	0	0	0	0	0	0	3	10
41	12.5	<i>Rossia tenera</i>	0	0	0	0	1	0	0	8	0	0	0	0	3	9
136	36	<i>Echinaster modestus</i>	0	7	2	0	0	0	0	0	0	0	0	0	4	9
324	31	<i>Galathidea</i> sp	0	9	0	0	0	0	0	0	0	0	0	0	1	9
335	31	Majidae	0	0	0	0	0	9	0	0	0	0	0	0	1	9
351	31	<i>Elthusa mascarone americana</i>	0	9	0	0	0	0	0	0	0	0	0	0	1	9
27	12	<i>Aequipecten gibbus</i>	0	0	0	0	0	0	0	8	0	0	0	0	1	8
77	31	<i>Mesopenaeus tropicalis</i>	0	0	8	0	0	0	0	0	0	0	0	0	1	8
353	11	<i>Murex brevifrons</i>	0	0	3	5	0	0	0	0	0	0	0	0	3	8
101	31	<i>Portunus bullisi</i>	0	0	0	0	7	0	0	0	0	0	0	0	1	7
205	31	<i>Ethusa microphthalma</i>	0	0	0	0	0	0	0	0	0	0	7	0	1	7
207	31	<i>Processa hemphilli</i>	0	0	0	0	7	0	0	0	0	0	0	0	1	7
213	12	<i>Nemocardium perambile</i>	0	0	0	7	0	0	0	0	0	0	0	0	2	7
264	25	<i>Meiosquilla quadridens</i>	0	0	7	0	0	0	0	0	0	0	0	0	1	7
313	31	<i>Panoplax depressa</i>	0	0	0	0	0	0	0	0	0	0	7	0	1	7
314	31	<i>Munida</i> sp	0	0	1	0	0	0	0	5	0	0	0	1	3	7
102	31	<i>Portunus gibbesii</i>	0	0	0	0	4	0	0	0	1	0	0	1	3	6
134	36	<i>Astropecten duplicatus</i>	0	0	0	0	0	0	0	0	0	6	0	0	2	6

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
172	31	Ethusa sp	0	0	0	1	0	0	0	2	0	0	1	2	4	6
13	11	Crepidula fornicata	0	0	0	0	0	0	0	0	5	0	0	0	1	5
24	11	Scaphella dubia	0	0	0	0	0	0	0	4	0	0	0	1	2	5
51	25	Squilla empusa	0	0	0	0	3	0	0	0	2	0	0	0	3	5
116	31	Solenocera necopina	0	0	0	5	0	0	0	0	0	0	0	0	1	5
171	31	Munida longipes	0	0	0	5	0	0	0	0	0	0	0	0	2	5
179	37	Clyreaster prostratus	0	0	0	0	0	5	0	0	0	0	0	0	2	5
183	31	Galathea rostrata	0	5	0	0	0	0	0	0	0	0	0	0	1	5
197	11	Xenophora conchiliophora	0	5	0	0	0	0	0	0	0	0	0	0	1	5
206	31	Alpheus floridanus	0	0	0	0	0	0	0	0	0	2	3	0	2	5
212	12	Pleuromerus armilla	0	0	0	5	0	0	0	0	0	0	0	0	2	5
310	31	Trachupenaeus sp	0	0	0	0	0	0	0	0	0	5	0	0	1	5
330	31	Raninidae	0	0	0	5	0	0	0	0	0	0	0	0	1	5
359	12	Jouannetia quillingi	0	0	0	5	0	0	0	0	0	0	0	0	1	5
365	11	Nassarius vibex	0	0	0	0	0	0	0	5	0	0	0	0	1	5
35	12	Nuculana acuta	0	0	0	0	0	0	0	2	0	0	0	2	3	4
59	31	Calappa sulcata	0	0	0	0	0	4	0	0	0	0	0	0	2	4
61	31	Callinectes similis	0	0	0	0	0	0	0	0	2	1	0	1	3	4
137	36	Luidia alternata	0	2	0	0	0	1	0	0	1	0	0	0	3	4
177	04	Actinaria	0	0	0	0	0	0	0	1	0	0	2	1	3	4
194	31	Homola barbata	0	0	0	0	0	0	0	0	0	0	1	3	3	4
203	31	Eurypanopeus abbreviatus	0	0	0	0	0	0	0	0	0	0	0	4	2	4
210	11	Scaphella dubia kieneri	0	0	0	0	0	0	1	0	0	0	2	1	3	4
230	31	Alpheus heterochaelis	0	0	0	0	0	0	0	0	0	4	0	0	1	4

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
312	31	Goneplacidae	0	0	0	1	0	0	0	0	0	0	3	0	2	4
348	31	Callidactylus asper	4	0	0	0	0	0	0	0	0	0	0	0	1	4
50	25	Squilla edentata edentata	0	0	0	0	0	0	0	1	0	0	0	2	2	3
68	31	Hepatus epheliticus	0	0	0	0	2	0	0	0	1	0	0	0	2	3
111	31	Scyllarus depressus	0	0	0	0	0	0	0	1	0	0	0	2	3	3
221	11	Limopsis sulcata	0	0	0	3	0	0	0	0	0	0	0	0	1	3
233	12	Cuspidaria sp.	0	0	0	0	0	0	0	0	0	0	0	3	1	3
237	31	Persephona mediterranea	0	0	0	0	3	0	0	0	0	0	0	0	2	3
285	31	Dardanus insignis	0	0	1	2	0	0	0	0	0	0	0	0	3	3
304	31	Isosoda	0	0	0	0	0	0	0	1	1	0	1	0	3	3
306	31	Crab	0	0	0	0	0	1	0	0	0	1	1	0	3	3
322	31	Scyllaridae	0	2	1	0	0	0	0	0	0	0	0	0	2	3
355	37	Echinaster spinulosus	0	0	3	0	0	0	0	0	0	0	0	0	1	3
32	12	Argopecten gibbus	0	2	0	0	0	0	0	0	0	0	0	0	1	2
48	25	Squilla deceptrix	0	0	2	0	0	0	0	0	0	0	0	0	1	2
58	31	Calappa flammea	2	0	0	0	0	0	0	0	0	0	0	0	1	2
75	31	Libinia emarginata	0	0	0	0	0	0	0	0	2	0	0	0	2	2
84	31	Pagurus bullisi	0	0	0	0	0	0	0	2	0	0	0	0	1	2
91	31	Parthenope fraterculus	0	2	0	0	0	0	0	0	0	0	0	0	1	2
94	31	Penaeus aztecus	0	0	0	0	0	0	0	0	1	1	0	0	2	2
122	31	Stenopus scutellatus	0	0	0	0	0	0	0	1	0	1	0	0	2	2
216	12	Yoldia limatula	0	0	0	0	0	0	0	0	0	0	0	2	1	2
219	4	Calliactis tricolor	0	0	0	0	0	1	0	0	0	0	0	1	2	2
228	31	Persephona crinita	0	0	0	0	1	0	0	0	1	0	0	0	2	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
240	11	<i>Sinum perspectivum</i>	0	0	0	0	0	0	2	0	0	0	0	0	1	2
268	31	<i>Collodes trispinosus</i>	0	0	2	0	0	0	0	0	0	0	0	0	1	2
308	31	<i>Stenopus</i> sp	0	0	0	0	0	0	0	0	0	0	2	0	2	2
315	31	<i>Plesionika</i> sp	0	0	0	0	0	0	0	0	0	0	0	2	1	2
329	31	<i>Pylopagurus discoidalis</i>	0	0	0	2	0	0	0	0	0	0	0	0	1	2
331	31	<i>Palicus</i> sp	0	0	0	2	0	0	0	0	0	0	0	0	1	2
350	11	<i>Murex Leviculus</i>	0	2	0	0	0	0	0	0	0	0	0	0	1	2
15	11	<i>Distorsio clathrata</i>	0	0	0	0	1	0	0	0	0	0	0	0	1	1
40	12.5	<i>Octopus joubini</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
44	13	<i>Dentalium</i> sp.	0	0	0	0	0	0	0	0	0	0	0	1	1	1
63	31	<i>Dromidia antellensis</i>	0	0	0	0	0	1	0	0	0	0	0	0	1	1
74	31	<i>Leiolamburs nitidus</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	1
95	31	<i>Petrochirus diogenes</i>	0	0	0	0	0	1	0	0	0	0	0	0	1	1
110	31	<i>Scyllarus chacei</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
127	35	<i>Astroporpa annulata</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	1
167	11	<i>Phalium granulatum</i>	0	0	0	0	0	0	0	1	0	0	0	0	1	1
184	31	<i>Munida pusilla</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1
187	31	<i>Nibilia antilocapra</i>	1	0	0	0	0	0	0	0	0	0	0	0	1	1
193	31	<i>Munida irrasa</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
199	31	<i>Stenocionops furcata</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
214	11	<i>Murex formosus</i>	0	0	0	1	0	0	0	0	0	0	0	0	1	1
224	31	<i>Iridopagurus caribbensis</i>	0	0	0	0	0	0	0	1	0	0	0	0	1	1
227	31	<i>Ovalipes stephensoni</i>	0	0	0	0	0	0	0	0	1	0	0	0	1	1
229	31	<i>Metaporhaphis calcarata</i>	0	0	0	0	0	0	0	0	1	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
234	12	Laevicardium laevigatum	0	0	0	0	1	0	0	0	0	0	0	0	1	1
235	31	Hepatus pudibundus	0	0	0	0	1	0	0	0	0	0	0	0	1	1
236	25	Squilla neglecta	0	0	0	0	1	0	0	0	0	0	0	0	1	1
238	31	Calappa cf. ocellata	0	0	0	0	1	0	0	0	0	0	0	0	1	1
239	31	Ovalipes sp.	0	0	0	0	1	0	0	0	0	0	0	0	1	1
241	34	Thyone sp.	1	0	0	0	0	0	0	0	0	0	0	0	1	1
248	11	Marginella apicina	0	0	0	1	0	0	0	0	0	0	0	0	1	1
269	31	Calappa angusta	0	0	0	0	1	0	0	0	0	0	0	0	1	1
283	25	Parasquilla coccinea	0	0	1	0	0	0	0	0	0	0	0	0	1	1
293	31	Portunidae	0	0	0	0	1	0	0	0	0	0	0	0	1	1
296	35	Ophioderma brevispinum	0	0	1	0	0	0	0	0	0	0	0	0	1	1
316	31	Galatheidae	0	0	0	0	0	0	0	0	0	0	0	1	1	1
317	25	Gonodactylus benedini	0	1	0	0	0	0	0	0	0	0	0	0	1	1
319	31	Dromiidae	0	1	0	0	0	0	0	0	0	0	0	0	1	1
320	31	Pachyclaies rudimanus	0	1	0	0	0	0	0	0	0	0	0	0	1	1
323	31	Leucosidae	0	1	0	0	0	0	0	0	0	0	0	0	1	1
325	31	Grapsidae	0	0	1	0	0	0	0	0	0	0	0	0	1	1
326	31	Gallidactalus asper	0	0	1	0	0	0	0	0	0	0	0	0	1	1
327	31	Solenolembus typicus	0	0	1	0	0	0	0	0	0	0	0	0	1	1
333	31	Ogyrides sp	0	0	0	0	1	0	0	0	0	0	0	0	1	1
336	31	Stenopus sp	0	0	0	0	0	0	1	0	0	0	0	0	1	1
343	11	Doris verrucosa	0	0	0	0	0	0	0	0	1	0	0	0	1	1
344	12	Amygdalum papyraceum	0	0	0	0	0	0	0	0	0	1	0	0	1	1
345	13	Cadulus sp	0	0	0	0	0	0	0	0	0	0	1	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
346		***changeto 177***	0	1	0	0	0	0	0	0	0	0	0	0	1	1
347	06	Cerebratulus luridus	0	0	0	0	0	0	0	0	0	0	0	1	1	1
349	11	Cyphoma magginiti	0	1	0	0	0	0	0	0	0	0	0	0	1	1
352	12	Anadara floridana	0	1	0	0	0	0	0	0	0	0	0	0	1	1
354	11	Cochlespira padiata	0	0	1	0	0	0	0	0	0	0	0	0	1	1
356	12	Aequipecten phrygium	0	0	1	0	0	0	0	0	0	0	0	0	1	1
357	11	Scaphella junonia	0	0	1	0	0	0	0	0	0	0	0	0	1	1
358	34	Pentamera pulcherrima	0	0	0	1	0	0	0	0	0	0	0	0	1	1
360	11	Pleurobranchaea sp.	0	0	0	0	1	0	0	0	0	0	0	0	1	1
361	12	Chlamys benedicti	0	0	0	0	0	1	0	0	0	0	0	0	1	1
362	11	Doris sp	0	0	0	0	0	1	0	0	0	0	0	0	1	1
363	34	Molpadia muscularus	0	0	0	0	0	0	0	1	0	0	0	0	1	1
364	11	Anachis avera	0	0	0	0	0	0	0	1	0	0	0	0	1	1
395	39	Styela partita	1	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL			167	103	526	394	479	453	121	1185	205	73	532	4148	496	8386

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Cruise B3

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
104	31	<i>Portunus spinicarpus</i>	0	53	109	3	8	275	4	0	0	883	35	1	13	1371
149	37	<i>Stylocardis affinis</i>	3	251	152	3	0	0	0	0	0	0	0	0	6	409
258	35	<i>Ophiolepis paucispinum</i>	0	0	0	0	0	0	1	17	0	0	0	256	5	274
112	31	<i>Sicyonia brevirostris</i>	14	42	16	0	21	29	0	0	0	144	6	0	12	272
90	31	<i>Parthenope agonus</i>	0	156	89	0	0	0	0	0	0	0	0	0	4	245
143	37	<i>Brissopsis alta</i>	0	0	0	0	0	0	0	0	0	0	0	238	1	238
186	31	<i>Processa guyanae</i>	0	70	137	0	0	0	0	0	0	0	0	0	2	207
247	12	<i>Yoldia solinooides</i>	0	0	0	0	0	0	0	0	0	0	0	195	2	195
387	12	<i>Chione grus</i>	0	0	163	0	0	0	0	0	0	0	0	0	1	163
89	31	<i>Parapenaeus politus</i>	0	0	0	18	0	0	2	46	0	41	0	14	6	121
100	31	<i>Porcellana sigsbeiana</i>	0	2	0	6	0	0	3	88	0	0	16	0	8	115
38	12.5	<i>Loligo plei</i>	58	16	0	0	1	0	0	0	37	0	0	0	5	112
114	31	<i>Sicyonia dorsalis</i>	0	0	0	0	2	0	0	0	52	51	2	0	6	107
117	31	<i>Solenocera vioscai</i>	0	0	0	4	0	0	0	6	0	87	0	4	6	101
144	37	<i>Brissopsis atlantica elongata</i>	0	0	0	0	0	0	0	0	0	0	0	96	1	96
61	31	<i>Callinectes similis</i>	0	0	0	0	4	0	0	0	41	42	0	0	5	87
139	36	<i>Luidia clathrata</i>	67	15	0	0	0	4	0	0	0	1	0	0	7	87
23	11	<i>Prunum apicina</i>	0	0	0	0	0	0	0	51	0	0	23	3	4	77
123	31	<i>Trachypenaeus constrictus</i>	63	0	0	0	13	0	0	0	0	0	0	0	3	76
226	31	<i>Trachypeneus similis</i>	0	0	0	0	0	0	0	0	6	62	0	0	4	68
132	36	<i>Astropecten cingulatus</i>	5	0	7	45	0	0	0	0	0	1	0	1	6	59
212	12	<i>Pleuromerus armilla</i>	0	0	0	50	0	0	0	4	0	0	0	0	3	54
28	12	<i>Aequipecten glyptus</i>	0	0	0	25	0	0	0	20	0	0	0	7	4	52
37	12.5	<i>Loligo pealei</i>	0	0	0	0	0	0	15	2	0	13	12	0	7	42

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 Cruise B3

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
128	35	<i>Ophiolepis elegans</i>	14	3	0	0	10	14	0	0	0	0	0	0	7	41
54	31	<i>Acanthocarpus alexandri</i>	0	0	0	21	0	0	0	18	0	0	0	1	4	40
115	31	<i>Solenocera atlanticus</i>	1	17	20	0	0	0	0	0	0	0	0	0	3	38
47	25	<i>Squilla chydrea</i>	0	0	0	1	0	0	0	0	0	35	1	0	4	37
113	31	<i>Sicyonia burkenroadi</i>	0	0	18	0	0	0	0	0	0	9	0	0	3	27
57	31	<i>Anasimus latus</i>	0	10	11	0	0	1	0	1	0	1	2	0	8	26
102	31	<i>Portunus gibbesii</i>	0	0	0	0	13	0	0	0	4	6	0	0	3	23
130	36	<i>Anthenoides piercei</i>	0	0	3	18	0	0	0	1	0	0	0	1	5	23
218	31	<i>Elthusa macrophthalmus</i>	0	0	1	3	0	1	0	12	0	0	3	3	9	23
279	31	<i>Processa vinca</i>	0	23	0	0	0	0	0	0	0	0	0	0	1	23
108	31	<i>Raninoides louisianensis</i>	0	0	8	4	0	0	0	3	0	0	6	1	6	22
99	31	<i>Porcellana sayana</i>	0	8	1	0	0	2	2	0	6	2	0	0	8	21
219	4	<i>Calliactis tricolor</i>	0	15	1	0	2	1	0	0	1	1	0	0	8	21
361	12	<i>Chlamys benedicti</i>	0	18	0	0	0	3	0	0	0	0	0	0	2	21
35	12	<i>Nuculana acuta</i>	0	0	0	1	0	0	0	0	0	0	0	19	2	20
41	12.5	<i>Rossia tenera</i>	0	6	3	0	0	0	0	0	0	0	11	0	5	20
145	37	<i>Clypeaster ravenelli</i>	0	0	17	0	0	1	0	0	0	0	0	0	3	18
51	25	<i>Squilla empusa</i>	0	0	0	0	2	0	0	0	10	4	1	0	5	17
119	31	<i>Stenorhynchus seticornis</i>	0	15	2	0	0	0	0	0	0	0	0	0	3	17
92	31	<i>Parthenope granulata</i>	0	0	0	0	14	2	0	0	0	0	0	0	2	16
229	31	<i>Metaporhaphis calcarata</i>	0	0	0	0	0	0	0	0	10	4	0	0	4	14
120	31	<i>Solenocera sp.</i>	0	0	0	0	0	0	0	0	0	13	0	0	2	13
264	25	<i>Meiosquilla quadridens</i>	0	4	9	0	0	0	0	0	0	0	0	0	4	13
91	31	<i>Parthenope fraterculus</i>	0	6	6	0	0	0	0	0	0	0	0	0	3	12

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
94	31	<i>Penaeus aztecus</i>	0	0	0	0	0	0	0	0	3	9	0	0	4	12
127	35	<i>Astroporpa annulata</i>	0	2	8	0	2	0	0	0	0	0	0	0	5	12
11	11	<i>Crepidula convexa</i>	0	0	0	0	0	0	0	0	0	0	0	11	1	11
80	31	<i>Myropsis quinquespinosa</i>	0	0	1	2	0	0	0	5	0	0	2	1	5	11
98	31	<i>Podochela sidneyi</i>	0	2	8	0	0	1	0	0	0	0	0	0	3	11
346		***changeto 177***	0	4	0	0	0	5	0	0	0	1	0	1	5	11
371	11	<i>Antillophus candens</i>	0	0	0	0	0	0	0	0	0	0	0	11	1	11
13	11	<i>Crepidula fornicata</i>	1	0	0	0	8	0	0	0	0	0	0	0	3	9
22	11	<i>Polystira tellea</i>	0	0	0	5	0	2	0	1	0	0	1	0	4	9
372	00	Unidentified	0	0	0	1	0	0	0	8	0	0	0	0	2	9
48	25	<i>Squilla deceptrix</i>	0	0	8	0	0	0	0	0	0	0	0	0	2	8
60	31	<i>Callinectes sapidus</i>	0	0	0	0	0	0	0	0	6	2	0	0	3	8
105	31	<i>Portunus spinimanus</i>	1	0	0	0	6	0	0	0	0	1	0	0	3	8
140	36	<i>Tethaster grandis</i>	0	4	0	0	0	2	1	0	0	0	1	0	5	8
29	12	<i>Aequipecten muscosus</i>	0	6	1	0	0	0	0	0	0	0	0	0	2	7
58	31	<i>Calappa flammea</i>	2	0	0	0	5	0	0	0	0	0	0	0	3	7
101	31	<i>Portunus bullisi</i>	0	0	0	0	0	0	0	0	7	0	0	0	1	7
111	31	<i>Scyllarus depressus</i>	0	1	5	0	0	0	1	0	0	0	0	0	4	7
273	37	<i>Echinaster serpentarius</i>	0	1	6	0	0	0	0	0	0	0	0	0	3	7
283	25	<i>Parasquilla coccinea</i>	0	0	7	0	0	0	0	0	0	0	0	0	2	7
288	31	<i>Frevilla hirsuta</i>	0	0	6	1	0	0	0	0	0	0	0	0	2	7
370	34	<i>Hypselastrer limicolus</i>	0	0	0	0	0	0	0	0	0	0	0	7	1	7
377	11	<i>Calliostoma jujubinum</i>	0	2	5	0	0	0	0	0	0	0	0	0	2	7
93	31	<i>Parthenope serrata</i>	4	0	0	0	2	0	0	0	0	0	0	0	2	6

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
126	35	<i>Astrophytum muricatum</i>	0	6	0	0	0	0	0	0	0	0	0	0	1	6
137	36	<i>Luidia alternata</i>	0	2	2	0	0	1	0	0	0	0	0	1	4	6
274	37	<i>Arbacia punctulata</i>	0	6	0	0	0	0	0	0	0	0	0	0	2	6
278	31	<i>Tozvema vinca</i>	0	2	4	0	0	0	0	0	0	0	0	0	2	6
110	31	<i>Scyllarus chacei</i>	0	4	0	0	0	1	0	0	0	0	0	0	3	5
174	31	<i>Nanoplax xanthiformis</i>	0	0	0	2	0	0	0	0	0	0	2	1	3	5
245	12	<i>Nuculana carpenteri</i>	0	0	0	0	0	0	0	0	0	0	0	5	2	5
269	31	<i>Calappa angusta</i>	0	2	3	0	0	0	0	0	0	0	0	0	3	5
383	11	<i>Murex sp</i>	0	0	5	0	0	0	0	0	0	0	0	0	1	5
50	25	<i>Squilla edentata edentata</i>	0	0	0	0	0	0	0	3	0	0	0	1	3	4
134	36	<i>Astropecten duplicatus</i>	1	0	0	0	0	0	0	0	1	2	0	0	4	4
213	12	<i>Nemocardium perambile</i>	0	2	2	0	0	0	0	0	0	0	0	0	2	4
244	31	<i>Podochela gracilipes</i>	0	3	0	0	0	0	0	0	0	0	1	0	2	4
251	31	<i>Penaeus duorarum</i>	4	0	0	0	0	0	0	0	0	0	0	0	2	4
277	31	<i>Oschilia tuberosa</i>	0	4	0	0	0	0	0	0	0	0	0	0	1	4
379	34	<i>Psolus valvatus</i>	0	0	4	0	0	0	0	0	0	0	0	0	2	4
390	12	<i>Nemocardium sp</i>	0	0	0	4	0	0	0	0	0	0	0	0	1	4
392	16	<i>Polyodontes Lupina</i>	0	0	0	0	0	0	0	4	0	0	0	0	1	4
32	12	<i>Argopecten gibbus</i>	0	1	0	0	1	1	0	0	0	0	0	0	3	3
59	31	<i>Calappa sulcata</i>	0	0	0	0	0	1	1	0	0	1	0	0	3	3
82	31	<i>Osachelia semilevus</i>	0	3	0	0	0	0	0	0	0	0	0	0	1	3
95	31	<i>Petrochirus diogenes</i>	0	1	2	0	0	0	0	0	0	0	0	0	2	3
118	31	<i>Stenocyanops spinimana</i>	0	0	2	1	0	0	0	0	0	0	0	0	2	3
135	36	<i>Astropecten marginatum</i>	3	0	0	0	0	0	0	0	0	0	0	0	1	3

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
146	37	Clypeaster rosaceus	0	3	0	0	0	0	0	0	0	0	0	0	1	3
175	31	Tetraxanthus rathbunae	0	1	0	2	0	0	0	0	0	0	0	0	2	3
248	11	Marginella apicina	0	0	0	0	0	0	0	0	0	0	0	3	1	3
252	31	***Change to 237***	0	0	0	0	3	0	0	0	0	0	0	0	1	3
260	11	Umbraculum umbraculum	1	2	0	0	0	0	0	0	0	0	0	0	2	3
267	31	Arachnopsis filipes	0	2	1	0	0	0	0	0	0	0	0	0	3	3
271	11	Fusinus eucosimus	0	1	2	0	0	0	0	0	0	0	0	0	2	3
276	31	Sphenocarcinus corrosus	0	3	0	0	0	0	0	0	0	0	0	0	1	3
281	11	Hyalina velici	0	0	1	2	0	0	0	0	0	0	0	0	2	3
368	34	Molpadia oolitica	0	0	0	0	0	0	0	0	0	0	0	3	1	3
386	12	Arca zebra	0	0	2	1	0	0	0	0	0	0	0	0	2	3
388	12	Corbula sp	0	0	3	0	0	0	0	0	0	0	0	0	1	3
12	11	Crepidula plana	0	1	0	0	0	0	0	0	1	0	0	0	2	2
15	11	Distorsio clathrata	0	0	0	0	1	1	0	0	0	0	0	0	2	2
30	12	Anadara baughmani	0	0	0	0	0	0	0	1	0	0	1	0	2	2
74	31	Leiolamburs nitidus	0	0	0	0	0	0	0	0	0	0	2	0	1	2
107	31	Pyromaia cuspidata	0	0	0	0	0	0	0	1	0	1	0	0	2	2
136	36	Echinaster modestus	0	0	2	0	0	0	0	0	0	0	0	0	1	2
177	04	Actinaria	0	0	0	0	0	0	0	2	0	0	0	0	2	2
182	36	Verrillaster spinulosus	0	0	2	0	0	0	0	0	0	0	0	0	1	2
210	11	Scaphella dubia kieneri	0	0	0	1	0	0	0	1	0	0	0	0	2	2
236	25	Squilla neglecta	0	0	0	0	2	0	0	0	0	0	0	0	1	2
242	16	Lepidonotus sublevis	0	1	0	0	0	0	0	0	1	0	0	0	2	2
243	31	Pagurus pollicaris	0	0	0	0	0	0	0	0	1	1	0	0	2	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
249	34	Molpadia cf. cubana	0	0	0	0	0	0	0	0	0	0	0	2	1	2
254	10.1	Chaetopleura apiculata	0	0	0	0	2	0	0	0	0	0	0	0	1	2
261	35	Ophiothrix sp.	0	2	0	0	0	0	0	0	0	0	0	0	1	2
265	31	Macrocoeloma camplocerum	0	2	0	0	0	0	0	0	0	0	0	0	1	2
289	11	Urosalpinx sp.	0	0	0	2	0	0	0	0	0	0	0	0	1	2
290	11	Murex beauii	0	0	0	2	0	0	0	0	0	0	0	0	1	2
365	11	Nassarius vibex	0	0	0	0	0	0	0	0	0	0	0	2	2	2
373	12	Anadara transversa	0	1	1	0	0	0	0	0	0	0	0	0	2	2
374	11	Modulus modulus	0	2	0	0	0	0	0	0	0	0	0	0	1	2
376	35	stisma isacanthum	0	2	0	0	0	0	0	0	0	0	0	0	1	2
399	37	Trigonocidaris albida	0	2	0	0	0	0	0	0	0	0	0	0	1	2
8	11	Conus mazei	0	0	0	1	0	0	0	0	0	0	0	0	1	1
9	11	Conus stimpsoni	0	0	1	0	0	0	0	0	0	0	0	0	1	1
14	11	Crepidula maculosa	0	0	0	0	1	0	0	0	0	0	0	0	1	1
20	11	Murex cabritii	0	1	0	0	0	0	0	0	0	0	0	0	1	1
25	11	Tonna galea	0	1	0	0	0	0	0	0	0	0	0	0	1	1
27	12	Aequipecten gibbus	0	0	1	0	0	0	0	0	0	0	0	0	1	1
33	12	Atrina seminuda	0	0	0	0	0	0	0	0	0	0	0	1	1	1
40	12.5	Octopus joubini	0	0	0	0	0	0	0	0	0	0	0	1	1	1
62	31	Callodes trispinosus	0	0	0	0	0	0	0	1	0	0	0	0	1	1
68	31	Hepatus epheliticus	0	0	0	0	1	0	0	0	0	0	0	0	1	1
73	31	Iliacantha subglobosa	0	0	1	0	0	0	0	0	0	0	0	0	1	1
75	31	Libinia emarginata	0	0	0	0	0	0	0	1	0	0	0	0	1	1
77	31	Mesopenaeus tropicalis	0	0	1	0	0	0	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
81	31	<i>Nibilia acanthocarpa</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1
116	31	<i>Solenocera necopina</i>	0	0	0	0	0	1	0	0	0	0	0	0	1	1
122	31	<i>Stenopus scutellatus</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1
151	37	<i>Diadema antillarum</i>	0	0	0	0	1	0	0	0	0	0	0	0	1	1
188	36	<i>Luidia c.f. clathrata</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
201	31	<i>Spiocarcinus lobatus</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1
202	11	<i>Polystira albida</i>	0	0	0	1	0	0	0	0	0	0	0	0	1	1
233	12	<i>Cuspidaria sp.</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	1
241	34	<i>Thyone sp.</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1
246	12	<i>Lucina floridana</i>	0	0	0	0	0	0	0	0	0	0	0	1	1	1
250	34	<i>Paracaudina chiliensis obesica</i>	0	0	0	0	0	0	0	0	0	0	0	1	1	1
255	11	<i>Murex dilectus</i>	0	0	0	0	0	1	0	0	0	0	0	0	1	1
256	12	<i>Anadara notabilis</i>	0	0	0	0	0	1	0	0	0	0	0	0	1	1
257	37	<i>Echinometra viridis</i>	0	0	0	0	0	1	0	0	0	0	0	0	1	1
259	31	<i>Sicyonia sp.</i>	1	0	0	0	0	0	0	0	0	0	0	0	1	1
262	35	<i>Ophiothrix suensoni</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
263	36	<i>Luidia elegans</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
266	31	<i>Ebalia carinosa</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
268	31	<i>Collodes trispinosus</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
270	31	<i>Crucibulum sp.</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
272	11	<i>Fusinus timessus</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
280	31	<i>Synalpheus fritzmuelleri</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
282	11	<i>Fusinus dowianus</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1
284	31	<i>Elthusa sp.</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
285	31	Dardanus insignis	0	0	1	0	0	0	0	0	0	0	0	0	1	1
286	34	Thyone briareus	0	0	1	0	0	0	0	0	0	0	0	0	1	1
287	37	Centrostephanus rubicundus	0	0	1	0	0	0	0	0	0	0	0	0	1	1
291	31	Collodes sp.	0	0	0	1	0	0	0	0	0	0	0	0	1	1
360	11	Pleurobranchaea sp.	0	0	0	1	0	0	0	0	0	0	0	0	1	1
367	37	Plethotaenia spantangoida	0	0	0	0	0	0	0	0	0	0	0	1	1	1
369	34	Caudina arenata	0	0	0	0	0	0	0	0	0	0	0	1	1	1
375	11	Heliacus bisulcatus	0	1	0	0	0	0	0	0	0	0	0	0	1	1
378	12.5	Octopus burryi	0	0	1	0	0	0	0	0	0	0	0	0	1	1
380	11	Cyphoma sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
381	34	Psolus sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
382	11	Crucibulum Auricula	0	0	1	0	0	0	0	0	0	0	0	0	1	1
384	11	Anachis sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
385	36	Hippasteria phrygiana	0	0	1	0	0	0	0	0	0	0	0	0	1	1
389	12	Musculus lateralis	0	0	1	0	0	0	0	0	0	0	0	0	1	1
391	12	Lucinidae	0	0	0	1	0	0	0	0	0	0	0	0	1	1
400	34	Holothuroidea	0	0	1	0	0	0	0	0	0	0	0	0	1	1
401	39	Ascidiacea	0	0	1	0	0	0	0	0	0	0	0	0	1	1
TOTAL			243	824	888	233	125	352	30	297	187	1419	128	895	451	5621

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Cruise B4

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
104	31	Portunus spinicarpus	0	1	0	20	0	0	0	0	1	44	37	43	9	146
38	12.5	Loligo plei	20	5	0	0	29	0	0	0	20	0	0	0	5	74
89	31	Parapenaeus politus	0	1	0	1	0	0	2	4	0	23	21	19	11	71
114	31	Sicyonia dorsalis	0	0	0	0	10	0	0	0	52	0	0	1	4	63
296	35	Ophioderma brevispinum	0	0	0	0	0	0	0	0	0	0	0	0	1	60
100	31	Porcellana sigsbeiana	0	0	0	10	0	0	0	1	0	0	7	30	7	48
112	31	Sicyonia brevirostris	7	0	0	1	1	0	0	0	18	5	0	0	7	32
128	35	Ophiolepis elegans	0	20	0	0	10	0	0	0	0	0	0	0	3	30
47	25	Squilla chydæa	0	0	0	2	0	0	1	4	0	19	2	0	6	28
117	31	Solenocera vioscai	0	0	0	3	0	0	13	2	0	3	1	6	7	28
102	31	Portunus gibbesii	8	3	0	0	3	0	0	0	11	0	0	0	6	25
312	31	Goneplacidae	0	0	0	0	0	0	0	0	0	0	0	0	2	25
229	31	Metaporhaphis calcarata	0	0	0	0	0	0	0	0	22	0	0	0	1	22
37	12.5	Loligo pealei	0	0	0	0	6	0	0	0	14	0	1	0	3	21
137	36	Luidia alternata	0	9	0	5	0	0	0	0	7	0	0	0	3	21
123	31	Trachypenaeus constrictus	9	0	0	0	0	0	0	0	11	0	0	0	2	20
307	31	Pagurdidea	0	0	0	0	0	0	0	0	0	0	0	0	5	20
91	31	Parthenope fraterculus	0	17	0	1	0	0	0	0	0	0	0	0	2	18
98	31	Podochela sidneyi	0	0	0	0	0	0	0	0	14	0	1	0	2	15
54	31	Acanthocarpus alexandri	0	0	0	13	0	0	0	0	0	0	0	0	2	13
108	31	Raninoides louisianensis	0	0	0	0	0	0	3	2	0	0	8	0	5	13
136	36	Echinaster modestus	0	9	0	4	0	0	0	0	0	0	0	0	3	13
90	31	Parthenope agonus	0	4	0	8	0	0	0	0	0	0	0	0	2	12
139	36	Luidia clathrata	6	1	0	0	5	0	0	0	0	0	0	0	4	12

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
226	31	Trachypeneus similis	0	0	0	0	2	0	0	0	7	3	0	0	3	12
57	31	Anasimus latus	0	0	0	9	0	0	0	0	1	0	1	0	3	11
149	37	Stylocardis affinis	0	10	1	0	0	0	0	0	0	0	0	0	2	11
197	11	Xenophora conchiliophora	0	9	2	0	0	0	0	0	0	0	0	0	2	11
330	31	Raninidae	0	0	0	0	0	0	0	0	0	0	0	0	3	11
130	36	Anthenoides piercei	0	0	0	10	0	0	0	0	0	0	0	0	2	10
132	36	Astropecten cingulatus	1	0	0	6	0	0	0	0	0	0	0	0	2	7
268	31	Collodes trispinosus	0	0	0	0	0	0	0	0	0	0	0	0	4	7
63	31	Dromidia antellensis	0	6	0	0	0	0	0	0	0	0	0	0	1	6
303	31	Xanthoidea	0	0	0	0	0	0	0	0	0	0	0	0	3	6
407	11	Vermicularia knorrii	0	0	0	0	0	0	0	0	0	0	0	0	1	6
29	12	Aequipecten muscosus	0	5	0	0	0	0	0	0	0	0	0	0	2	5
80	31	Myropsis quinquespinosa	0	0	0	1	0	0	1	1	0	0	2	0	4	5
92	31	Parthenope granulata	0	2	0	0	3	0	0	0	0	0	0	0	2	5
140	36	Tethaster grandis	0	2	0	1	0	0	0	2	0	0	0	0	3	5
355	37	Echinaster spinulosus	0	0	0	0	0	0	0	0	0	0	0	0	1	5
403	36	Astropecten comptus	0	0	0	0	0	0	0	0	0	0	0	0	1	5
23	11	Prunum apicina	0	0	0	4	0	0	0	0	0	0	0	0	1	4
28	12	Aequipecten glyptus	0	1	0	2	0	0	0	1	0	0	0	0	3	4
61	31	Callinectes similis	0	0	0	0	0	0	0	0	0	2	2	0	2	4
75	31	Libinia emarginata	0	0	0	0	0	0	0	0	4	0	0	0	1	4
116	31	Solenocera necopina	0	0	0	4	0	0	0	0	0	0	0	0	1	4
248	11	Marginella apicina	0	4	0	0	0	0	0	0	0	0	0	0	1	4
318	31	Dorippidae	0	0	0	0	0	0	0	0	0	0	0	0	1	4

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
321	31	Palicus fexoni	0	0	0	0	0	0	0	0	0	0	0	0	1	4
377	11	Calliostoma jujubinum	0	0	0	0	0	0	0	0	0	0	0	0	2	4
408	11	Cosmioconcha calliglypta	0	0	0	0	0	0	0	0	0	0	0	0	1	4
15	11	Distorsio clathrata	0	3	0	0	0	0	0	0	0	0	0	0	1	3
22	11	Polystira tellea	0	0	0	0	0	0	0	0	0	0	3	0	1	3
41	12.5	Rossia tenera	0	3	0	0	0	0	0	0	0	0	0	0	1	3
118	31	Stenocyanops spinimana	0	0	0	3	0	0	0	0	0	0	0	0	1	3
119	31	Stenorhynchus seticornis	0	2	0	0	0	0	0	0	0	1	0	0	3	3
153	12	Pecten raveneli	0	3	0	0	0	0	0	0	0	0	0	0	1	3
183	31	Galathea rostrata	0	2	0	1	0	0	0	0	0	0	0	0	2	3
231	31	Processa sp.	0	0	1	2	0	0	0	0	0	0	0	0	2	3
319	31	Dromiidae	0	0	0	0	0	0	0	0	0	0	0	0	2	3
335	31	Majidae	0	0	0	0	0	0	0	0	0	0	0	0	2	3
20	11	Murex cabritii	0	2	0	0	0	0	0	0	0	0	0	0	1	2
32	12	Argopecten gibbus	0	1	1	0	0	0	0	0	0	0	0	0	2	2
40	12.5	Octopus joubini	0	2	0	0	0	0	0	0	0	0	0	0	1	2
96	31	Plesionika tenuipes	0	0	0	0	0	0	0	0	0	0	2	0	1	2
115	31	Solenocera atlanticus	0	0	0	0	0	0	0	0	0	2	0	0	1	2
120	31	Solenocera sp.	0	0	0	2	0	0	0	0	0	0	0	0	1	2
127	35	Astroporpa annulata	0	1	0	0	0	0	1	0	0	0	0	0	2	2
147	37	Clypeaster sp	0	0	0	2	0	0	0	0	0	0	0	0	2	2
184	31	Munida pusilla	0	1	0	1	0	0	0	0	0	0	0	0	2	2
206	31	Alpheus floridanus	0	0	0	0	0	0	0	0	0	0	2	0	1	2
209	31	Parapandalus longicauda	0	0	0	0	0	0	1	0	0	0	0	1	2	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
285	31	Dardanus insignis	0	0	0	0	0	0	0	0	0	0	0	0	2	2
309	31	Shrimp	0	0	0	0	0	0	0	0	0	0	0	0	1	2
316	31	Galatheidæ	0	0	0	0	0	0	0	0	0	0	0	0	1	2
331	31	Palicus sp	0	0	0	0	0	0	0	0	0	0	0	0	1	2
361	12	Chlamys benedicti	0	0	0	0	0	0	0	0	0	0	0	0	2	2
366	31	Ovalipes ocellatus	0	0	0	0	0	0	0	0	0	0	0	0	2	2
382	11	Crucibulum Auricula	0	0	0	0	0	0	0	0	0	0	0	0	1	2
402	12	Acquiptecten lineolaris	0	0	0	0	0	0	0	0	0	0	0	0	1	2
45	25	STOMATOPODA	0	0	0	0	0	0	0	0	1	0	0	0	1	1
50	25	Squilla edentata edentata	0	0	0	0	0	0	0	1	0	0	0	0	1	1
77	31	Mesopeneus tropicalis	0	0	0	0	0	0	1	0	0	0	0	0	1	1
82	31	Osachelia semilevis	0	1	0	0	0	0	0	0	0	0	0	0	1	1
86	31	Pagurus defensus	0	0	0	0	0	0	0	0	0	0	1	0	1	1
94	31	Penaeus aztecus	0	0	0	0	0	0	0	0	1	0	0	0	1	1
99	31	Porcellana sayana	0	0	0	0	0	0	0	0	1	0	0	0	1	1
107	31	Pyromaia cuspidata	0	0	0	1	0	0	0	0	0	0	0	0	1	1
110	31	Scyllarus chacei	0	1	0	0	0	0	0	0	0	0	0	0	1	1
113	31	Sicyonia burkenroadi	0	0	0	0	0	0	0	0	0	0	1	0	1	1
133	36	Astropecten comptus	0	1	0	0	0	0	0	0	0	0	0	0	1	1
134	36	Astropecten duplicatus	0	0	0	0	0	0	0	0	1	0	0	0	1	1
135	36	Astropecten marginatum	0	1	0	0	0	0	0	0	0	0	0	0	1	1
143	37	Brissopsis alta	0	0	0	0	0	0	1	0	0	0	0	0	1	1
144	37	Brissopsis atlantica elongata	0	0	0	0	0	0	0	0	1	0	0	0	1	1
145	37	Clypeaster ravenelli	0	0	0	0	0	0	0	0	0	1	0	0	1	1

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Mississippi-Alabama Marine Ecosystem Study
Epifauna Species Summaries
Cruise B4

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
146	37	Clypeaster rosaceus	0	1	0	0	0	0	0	0	0	0	0	0	1	1
160	34	Psolus tuberculosis	0	0	1	0	0	0	0	0	0	0	0	0	1	1
198	11	Murex florifer dilectus	0	1	0	0	0	0	0	0	0	0	0	0	1	1
221	11	Limopsis sulcata	0	0	0	1	0	0	0	0	0	0	0	0	1	1
222	31	Stenocianops spinimana	0	0	0	0	0	0	0	0	0	0	1	0	1	1
227	31	Ovalipes stephensoni	0	0	0	0	0	0	0	0	1	0	0	0	1	1
228	31	Persephona crinita	0	0	0	0	0	0	0	0	1	0	0	0	1	1
240	11	Sinum perspectivum	0	0	0	0	1	0	0	0	0	0	0	0	1	1
244	31	Podochela gracilipes	0	0	1	0	0	0	0	0	0	0	0	0	1	1
265	31	Macrocoeloma camplocerum	0	0	0	0	0	0	0	0	0	0	0	0	1	1
266	31	Ebalia carinosa	0	0	0	0	0	0	0	0	0	0	0	0	1	1
267	31	Arachnopsis filipes	0	0	0	0	0	0	0	0	0	0	0	0	1	1
272	11	Fusinus timessus	0	0	0	0	0	0	0	0	0	0	0	0	1	1
273	37	Echinaster serpentarius	0	0	0	0	0	0	0	0	0	0	0	0	1	1
290	11	Murex beauii	0	0	0	0	0	0	0	0	0	0	0	0	1	1
301	31	Alpheidae	0	0	0	0	0	0	0	0	0	0	0	0	1	1
328	31	Osachila sp.	0	0	0	0	0	0	0	0	0	0	0	0	1	1
338	31	Penaeidea	0	0	0	0	0	0	0	0	0	0	0	0	1	1
351	31	Elthusa mascarone americana	0	0	0	0	0	0	0	0	0	0	0	0	1	1
353	11	Murex brevifrons	0	0	0	0	0	0	0	0	0	0	0	0	1	1
374	11	Modulus modulus	0	0	0	0	0	0	0	0	0	0	0	0	1	1
379	34	Psolus valvatus	0	0	0	0	0	0	0	0	0	0	0	0	1	1
404	11	Turitella acropora	0	0	0	0	0	0	0	0	0	0	0	0	1	1
405	11	Pleurobranchaea hedgpethi	0	0	0	0	0	0	0	0	0	0	0	0	1	1

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 Mississippi-Alabama Marine Ecosystem Study
 Epifauna Species Summaries
 Cruise B4

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
406	08	Hippotorida texana	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL			51	135	7	118	70	0	24	18	189	103	93	100	239	1107

MINERALS MANAGEMENT SERVICE
Mississippi-Alabama Marine Ecosystem Study
Epifauna Species Summaries
All Cruises

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
89	31	<i>Parapenaeus politus</i>	0	1	0	38	0	3	164	203	0	107	1010	3336	40	4862
104	31	<i>Portunus spinicarpus</i>	0	58	242	23	10	601	206	6	1	943	115	53	46	2258
96	31	<i>Plesionika tenuipes</i>	0	0	0	0	0	0	0	370	0	0	314	1029	11	1713
100	31	<i>Porcellana sigsbeiana</i>	0	2	1	25	0	1	22	334	1	7	184	708	34	1285
143	37	<i>Brissopsis alta</i>	0	0	0	0	0	5	1	0	0	0	314	665	8	985
112	31	<i>Sicyonia brevirostris</i>	102	42	39	1	157	75	0	2	25	150	6	0	36	599
149	37	<i>Stylocardis affinis</i>	3	265	321	4	0	0	0	0	0	0	0	0	15	593
123	31	<i>Trachypenaeus constrictus</i>	121	0	0	0	122	0	0	0	220	67	0	0	18	530
117	31	<i>Solenocera vioscai</i>	0	19	11	11	0	0	17	148	0	114	26	148	29	494
258	35	<i>Ophiolepis paucispinum</i>	0	0	0	216	0	0	1	17	0	3	0	256	8	493
114	31	<i>Sicyonia dorsalis</i>	0	0	4	0	133	0	0	0	261	51	3	2	21	454
144	37	<i>Brissopsis atlantica elongata</i>	0	0	0	255	0	0	0	0	1	0	45	114	7	415
38	12.5	<i>Loligo plei</i>	80	27	0	0	142	9	0	0	58	64	0	0	20	380
90	31	<i>Parthenope agonus</i>	0	210	122	8	0	0	0	0	0	0	0	0	11	340
139	36	<i>Luidia clathrata</i>	195	34	3	0	5	23	0	0	27	2	0	0	27	289
57	31	<i>Anasimus latus</i>	0	11	31	9	0	7	5	8	1	6	193	1	32	272
186	31	<i>Processa guyanae</i>	0	70	197	0	0	2	2	0	0	0	0	0	6	271
61	31	<i>Callinectes similis</i>	1	0	0	0	47	0	0	0	107	97	2	1	19	255
28	12	<i>Aequipecten glyptus</i>	1	1	0	92	1	5	1	78	0	0	1	66	27	246
102	31	<i>Portunus gibbesii</i>	8	3	0	0	90	0	0	0	128	6	0	1	16	236
115	31	<i>Solenocera atlanticus</i>	1	34	36	0	16	125	0	0	7	2	3	0	12	224
247	12	<i>Yoldia solinoides</i>	0	0	0	0	0	0	0	3	0	0	0	195	3	198
108	31	<i>Raninoides louisianensis</i>	0	0	8	4	0	8	17	60	0	6	87	6	29	196
120	31	<i>Solenocera sp.</i>	7	0	2	3	4	143	8	0	0	18	1	0	11	186
184	31	<i>Munida pusilla</i>	0	1	1	1	0	1	0	53	0	0	123	0	7	180

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MINERALS MANAGEMENT SERVICE
Mississippi-Alabama Marine Ecosystem Study
Epifauna Species Summaries
All Cruises

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
387	12	Chione grus	0	0	163	0	0	0	0	0	0	0	0	0	1	163
47	25	Squilla chydrea	0	0	0	4	0	3	18	17	0	57	40	3	26	142
22	11	Polystira tellea	0	0	0	13	0	9	100	1	0	0	18	0	16	141
80	31	Myropsis quinquespinosa	0	2	6	6	0	1	6	43	0	0	65	9	28	138
218	31	Elthusa macrophthalmus	0	0	1	3	0	1	1	43	0	0	22	63	20	134
134	36	Astropecten duplicatus	1	0	0	0	9	0	0	0	87	29	1	0	15	127
132	36	Astropecten cingulatus	20	3	8	65	3	0	20	1	3	1	0	1	20	125
37	12.5	Loligo pealei	2	17	0	0	10	7	17	2	26	20	18	0	21	119
79	31	Munida forceps	0	0	0	0	0	1	34	46	0	5	22	4	12	112
220	31	Munida flinti	0	0	0	0	0	12	2	55	0	0	38	2	8	109
113	31	Sicyonia burkenroadi	0	0	22	0	0	0	3	8	0	17	54	0	14	104
7	11	Cantharius cancellarius	0	0	0	0	12	0	1	0	87	0	1	0	8	101
226	31	Trachypeneus similis	0	0	0	0	6	0	0	0	28	67	0	0	12	101
23	11	Prunum apicina	0	0	0	4	0	0	0	67	0	0	23	3	6	97
128	35	Ophiolepis elegans	20	23	0	0	30	21	0	0	0	3	0	0	18	97
303	31	Xanthoidea	0	5	0	9	2	0	3	41	12	1	22	1	18	96
54	31	Acanthocarpus alexandri	0	0	0	70	0	0	1	21	0	0	0	2	13	94
51	25	Squilla empusa	0	0	0	0	7	0	0	0	70	11	1	0	14	89
212	12	Pleuromerus armilla	0	0	0	65	0	0	0	16	0	0	0	0	8	81
137	36	Luidia alternata	42	15	2	5	2	2	0	0	8	0	0	1	14	77
6	11	Bursatella c.f. leachii pleii	73	0	0	0	0	0	0	0	0	0	0	0	2	73
296	35	Ophioderma brevispinum	0	60	1	12	0	0	0	0	0	0	0	0	3	73
106	31	Portunus ventralis	0	70	0	0	0	0	0	0	0	0	0	0	1	70
231	31	Processa sp.	0	1	1	2	34	24	0	3	0	1	2	0	12	68
30	12	Anadara baughmani	2	0	0	0	0	3	0	5	3	0	4	49	12	66

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Mississippi-Alabama Marine Ecosystem Study
Epifauna Species Summaries
All Cruises

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
50	25	<i>Squilla edentata edentata</i>	0	0	0	4	0	0	0	5	0	50	0	3	9	62
119	31	<i>Stenorhynchus seticornis</i>	0	22	29	0	0	1	0	0	0	5	0	0	16	57
202	11	<i>Polystira albida</i>	0	0	0	11	1	0	34	1	0	0	9	1	13	57
301	31	Alpheidae	1	21	0	0	2	12	2	6	1	7	0	2	15	54
92	31	<i>Parthenope granulata</i>	11	3	0	0	26	12	0	0	0	0	0	0	12	52
189	31	<i>Glyptoplax smith II</i>	0	1	0	0	0	0	11	36	0	0	4	0	5	52
130	36	<i>Anthenoides piercei</i>	0	1	3	40	0	0	0	5	0	0	0	2	14	51
305	31	Caridea	0	1	0	0	1	0	26	0	0	0	22	0	4	50
98	31	<i>Podochela sidneyi</i>	3	3	8	0	3	7	0	0	18	4	1	0	17	47
309	31	Shrimp	0	2	0	0	0	14	0	1	0	1	1	28	6	47
140	36	<i>Tethaster grandis</i>	0	9	0	1	0	7	3	10	0	12	2	0	21	44
145	37	<i>Clypeaster ravenelli</i>	0	17	17	0	0	6	0	0	0	1	0	0	7	41
59	31	<i>Calappa sulcata</i>	0	0	0	0	0	30	3	1	0	4	0	0	12	38
99	31	<i>Porcellana sayana</i>	0	10	1	0	0	2	3	0	7	9	6	0	15	38
229	31	<i>Metaporhaphis calcarata</i>	0	0	0	0	0	0	0	0	33	4	0	0	6	37
219	4	<i>Calliactis tricolor</i>	0	15	1	0	2	3	0	1	1	6	6	1	14	36
41	12.5	<i>Rossia tenera</i>	0	9	3	0	1	0	0	8	0	0	14	0	10	35
127	35	<i>Astroporpa annulata</i>	0	7	8	0	2	13	3	0	0	1	0	0	12	34
91	31	<i>Parthenope fraterculus</i>	0	26	6	1	0	0	0	0	0	0	0	0	7	33
94	31	<i>Penaeus aztecus</i>	0	0	0	0	0	5	1	0	11	16	0	0	14	33
307	31	Pagurdidea	1	14	1	8	1	1	2	1	0	0	3	0	14	32
118	31	<i>Stenocyanops spinimana</i>	0	0	14	6	0	1	2	6	0	0	1	1	13	31
136	36	<i>Echinaster modestus</i>	0	19	5	4	0	2	0	0	0	0	0	0	12	30
35	12	<i>Nuculana acuta</i>	0	0	0	1	0	0	0	2	0	0	0	26	6	29
175	31	<i>Tetraxanthus rathbunae</i>	0	1	0	3	0	0	0	4	0	0	19	2	7	29

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Epifauna Species Summaries
All Cruises

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
312	31	Goneplacidae	0	0	0	26	0	0	0	0	0	0	3	0	4	29
170	37	Brissopsis c.f. atlantica	0	0	0	28	0	0	0	0	0	0	0	0	1	28
29	12	Aequipecten muscosus	10	11	3	0	0	0	0	0	0	0	0	0	6	24
197	11	Xenophora conchiliophora	0	18	2	0	0	0	0	0	0	4	0	0	5	24
361	12	Chlamys benedicti	0	19	1	0	0	4	0	0	0	0	0	0	5	24
279	31	Processa vinca	0	23	0	0	0	0	0	0	0	0	0	0	1	23
39	12.5	Loligo sp.	0	0	1	0	0	5	0	0	0	16	0	0	3	22
103	31	Portunus sayi	4	0	0	0	0	0	0	0	17	1	0	0	4	22
321	31	Palicus fexoni	0	0	18	4	0	0	0	0	0	0	0	0	2	22
11	11	Crepidula convexa	9	0	0	0	0	1	0	0	0	0	0	11	4	21
177	04	Actinaria	0	0	0	0	0	11	2	4	0	0	2	2	11	21
93	31	Parthenope serrata	15	1	0	0	4	0	0	0	0	0	0	0	6	20
264	25	Meiosquilla quadridens	0	4	16	0	0	0	0	0	0	0	0	0	5	20
126	35	Astrophytum muricatum	0	6	2	0	0	0	0	0	11	0	0	0	3	19
244	31	Podochela gracilipes	0	3	15	0	0	0	0	0	0	0	1	0	5	19
13	11	Crepidula fornicata	1	0	2	0	8	0	0	0	5	2	0	0	6	18
15	11	Distorsio clathrata	0	4	0	0	2	3	0	0	8	1	0	0	10	18
2	04	Bunodactis texaensis	0	0	0	0	0	0	9	0	7	0	0	1	3	17
107	31	Pyromaia cuspidata	0	0	1	14	0	0	0	1	0	1	0	0	7	17
203	31	Eurypanopeus abbreviatus	0	0	0	0	0	0	0	0	0	0	13	4	3	17
68	31	Hepatus epheliticus	1	0	0	0	5	0	0	0	9	1	0	0	8	16
74	31	Leiolamburs nitidus	0	0	0	0	0	0	0	0	0	14	2	0	4	16
232	31	Neopanope texana	0	0	0	0	0	0	0	0	0	0	0	16	1	16
330	31	Raninidae	0	0	1	15	0	0	0	0	0	0	0	0	4	16
101	31	Portunus bullisi	0	0	0	0	7	0	0	0	7	0	1	0	3	15

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Mississippi-Alabama Marine Ecosystem Study
Epifauna Species Summaries
All Cruises

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
116	31	Solenocera necopina	0	0	0	10	0	1	0	2	0	0	2	0	6	15
213	12	Nemocardium perambile	0	2	2	11	0	0	0	0	0	0	0	0	6	15
24	11	Scaphella dubia	0	0	0	0	0	0	6	5	0	0	0	3	7	14
111	31	Scyllarus depressus	0	1	6	0	0	1	1	1	0	0	2	2	10	14
164	35	Ophiozona impressa	0	0	0	14	0	0	0	0	0	0	0	0	1	14
34	12	Carditamera floridana	0	0	0	0	0	0	0	13	0	0	0	0	1	13
84	31	Pagurus bullisi	0	1	0	1	0	0	0	2	7	1	1	0	6	13
87	31	Pagurus longicarpus	6	0	0	1	0	0	0	0	6	0	0	0	3	13
105	31	Portunus spinimanus	1	0	0	0	7	0	0	0	1	4	0	0	7	13
280	31	Synalpheus fritzmuelleri	0	1	0	0	0	0	0	0	0	0	0	12	2	13
32	12	Argopecten gibbus	4	4	1	0	1	2	0	0	0	0	0	0	9	12
48	25	Squilla deceptrix	0	1	11	0	0	0	0	0	0	0	0	0	5	12
75	31	Libinia emarginata	0	0	0	0	1	0	0	1	9	1	0	0	8	12
146	37	Clypeaster rosaceus	0	12	0	0	0	0	0	0	0	0	0	0	3	12
151	37	Diadema antillarum	0	11	0	0	1	0	0	0	0	0	0	0	2	12
205	31	Ethusa microphthalma	0	0	0	0	0	0	0	0	0	0	10	2	3	12
206	31	Alpheus floridanus	0	0	0	0	0	0	0	0	0	2	10	0	4	12
302	31	Chasmocarcinus mississippiensi	0	0	0	0	0	0	0	1	0	1	10	0	4	12
335	31	Majidae	0	3	0	0	0	9	0	0	0	0	0	0	3	12
346		***changeto 177***	0	5	0	0	0	5	0	0	0	1	0	1	6	12
21	11	Nassarius albus	0	0	0	0	0	0	0	10	0	1	0	0	2	11
58	31	Calappa flammea	4	2	0	0	5	0	0	0	0	0	0	0	5	11
77	31	Mesopenaeus tropicalis	0	0	9	0	1	0	1	0	0	0	0	0	4	11
85	31	Pagurus bonairensis	0	0	7	0	0	2	0	0	2	0	0	0	4	11
207	31	Processa hemphilli	0	0	0	0	7	0	0	0	0	0	4	0	2	11

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Epifauna Species Summaries
All Cruises

Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
371	11	<i>Antillophus candens</i>	0	0	0	0	0	0	0	0	0	0	0	11	1	11
377	11	<i>Calliostoma jujubinum</i>	0	6	5	0	0	0	0	0	0	0	0	0	4	11
95	31	<i>Petrochirus diogenes</i>	0	1	2	0	0	4	0	0	0	2	1	0	7	10
268	31	<i>Collodes trispinosus</i>	0	6	2	1	0	0	1	0	0	0	0	0	6	10
351	31	<i>Elthusa mascarone americana</i>	0	10	0	0	0	0	0	0	0	0	0	0	2	10
372	00	Unidentified	0	0	0	1	0	0	0	8	0	1	0	0	3	10
27	12	<i>Aequipecten gibbus</i>	0	0	1	0	0	0	0	8	0	0	0	0	2	9
60	31	<i>Callinectes sapidus</i>	0	0	0	0	1	0	0	0	6	2	0	0	4	9
110	31	<i>Scyllarus chacei</i>	0	8	0	0	0	1	0	0	0	0	0	0	6	9
171	31	<i>Munida longipes</i>	0	0	0	9	0	0	0	0	0	0	0	0	3	9
183	31	<i>Galathea rostrata</i>	0	7	0	1	0	1	0	0	0	0	0	0	4	9
324	31	<i>Galathidea sp</i>	0	9	0	0	0	0	0	0	0	0	0	0	1	9
353	11	<i>Murex brevifrons</i>	0	0	3	6	0	0	0	0	0	0	0	0	4	9
63	31	<i>Dromidia antellensis</i>	0	7	0	0	0	1	0	0	0	0	0	0	3	8
135	36	<i>Astropecten marginatum</i>	7	1	0	0	0	0	0	0	0	0	0	0	3	8
172	31	<i>Ethusa sp</i>	0	0	0	3	0	0	0	2	0	0	1	2	5	8
187	31	<i>Nibilia antilocapra</i>	1	0	2	0	0	0	3	0	0	1	1	0	5	8
210	11	<i>Scaphella dubia kieneri</i>	0	0	0	1	0	0	2	1	0	0	2	2	7	8
248	11	<i>Marginella apicina</i>	0	4	0	1	0	0	0	0	0	0	0	3	3	8
273	37	<i>Echinaster serpentarius</i>	0	2	6	0	0	0	0	0	0	0	0	0	4	8
283	25	<i>Parasquilla coccinea</i>	0	0	8	0	0	0	0	0	0	0	0	0	3	8
355	37	<i>Echinaster spinulosus</i>	0	0	8	0	0	0	0	0	0	0	0	0	2	8
40	12.5	<i>Octopus joubini</i>	0	5	0	0	0	1	0	0	0	0	0	1	6	7
125	35	<i>Astrochema nutingii</i>	0	0	5	0	0	2	0	0	0	0	0	0	3	7
148	37	<i>Encope aberrans</i>	7	0	0	0	0	0	0	0	0	0	0	0	1	7

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
162	04	Paracyathus pulchellus	0	0	7	0	0	0	0	0	0	0	0	0	1	7
174	31	Nanoplax xanthiformis	0	0	0	3	0	0	0	0	0	1	2	1	5	7
179	37	Clyreaster prostratus	0	0	0	0	0	7	0	0	0	0	0	0	3	7
221	11	Limopsis sulcata	0	0	0	7	0	0	0	0	0	0	0	0	3	7
288	31	Frevilla hirsuta	0	0	6	1	0	0	0	0	0	0	0	0	2	7
313	31	Panoplax depressa	0	0	0	0	0	0	0	0	0	0	7	0	1	7
314	31	Munida sp	0	0	1	0	0	0	0	5	0	0	0	1	3	7
365	11	Nassarius vibex	0	0	0	0	0	0	0	5	0	0	0	2	3	7
370	34	Hypselaster limicolus	0	0	0	0	0	0	0	0	0	0	0	7	1	7
20	11	Murex cabritii	0	6	0	0	0	0	0	0	0	0	0	0	3	6
122	31	Stenopus scutellatus	0	0	1	0	0	0	0	1	0	1	3	0	5	6
178	12	Argopecten nucleus	0	0	0	0	0	1	0	0	0	5	0	0	2	6
269	31	Calappa angusta	0	2	3	0	1	0	0	0	0	0	0	0	4	6
274	37	Arbacia punctulata	0	6	0	0	0	0	0	0	0	0	0	0	2	6
278	31	Tozvema vinca	0	2	4	0	0	0	0	0	0	0	0	0	2	6
285	31	Dardanus insignis	0	0	2	3	0	0	0	0	0	0	0	1	6	6
407	11	Vermicularia knorrii	0	0	6	0	0	0	0	0	0	0	0	0	1	6
82	31	Osachelia semilevus	1	4	0	0	0	0	0	0	0	0	0	0	3	5
131	36	Astropecten arthriculatus	2	0	0	1	2	0	0	0	0	0	0	0	4	5
163	03	Aglaophenia rigida	0	0	5	0	0	0	0	0	0	0	0	0	1	5
169	37	Brissopsis c.f. elongata	0	0	0	5	0	0	0	0	0	0	0	0	1	5
185	31	Synalpheus townsendi	0	0	0	0	0	2	0	0	0	3	0	0	2	5
194	31	Homola barbata	0	0	0	0	0	0	1	0	0	0	1	3	4	5
211	31	Pomcellana sigsbeiana	0	0	0	0	0	0	0	0	0	0	0	5	1	5
216	12	Yoldia limatula	0	0	0	0	0	0	3	0	0	0	0	2	2	5

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
245	12	<i>Nuculana carpenteri</i>	0	0	0	0	0	0	0	0	0	0	0	5	2	5
300	12	<i>Pitar albidus</i>	0	0	0	0	0	0	0	0	0	5	0	0	2	5
310	31	<i>Trachypenaeus</i> sp.	0	0	0	0	0	0	0	0	0	5	0	0	1	5
359	12	<i>Jouannetia quillingi</i>	0	0	0	5	0	0	0	0	0	0	0	0	1	5
379	34	<i>Psolus valvatus</i>	0	0	4	1	0	0	0	0	0	0	0	0	3	5
383	11	<i>Murex</i> sp.	0	0	5	0	0	0	0	0	0	0	0	0	1	5
403	36	<i>Astropecten comptus</i>	0	5	0	0	0	0	0	0	0	0	0	0	1	5
4	11	<i>Anachis lafresnayi</i>	0	0	0	0	0	4	0	0	0	0	0	0	1	4
12	11	<i>Crepidula plana</i>	0	1	0	0	0	0	0	0	3	0	0	0	3	4
62	31	<i>Callodes trispinosus</i>	1	0	0	0	0	0	2	1	0	0	0	0	3	4
67	31	<i>Gnathia</i> sp.	0	4	0	0	0	0	0	0	0	0	0	0	1	4
153	12	<i>Pecten raveneli</i>	0	4	0	0	0	0	0	0	0	0	0	0	2	4
182	36	<i>Verrillaster spinulosus</i>	0	0	2	0	0	2	0	0	0	0	0	0	2	4
230	31	<i>Alpheus heterochaelis</i>	0	0	0	0	0	0	0	0	0	4	0	0	1	4
233	12	<i>Cuspidaria</i> sp.	0	0	0	0	0	0	0	0	0	1	0	3	2	4
251	31	<i>Penaeus duorarum</i>	4	0	0	0	0	0	0	0	0	0	0	0	2	4
267	31	<i>Arachnopsis filipes</i>	0	3	1	0	0	0	0	0	0	0	0	0	4	4
277	31	<i>Oschila tuberosa</i>	0	4	0	0	0	0	0	0	0	0	0	0	1	4
318	31	<i>Dorippidae</i>	0	4	0	0	0	0	0	0	0	0	0	0	1	4
319	31	<i>Dromiidae</i>	0	2	0	2	0	0	0	0	0	0	0	0	3	4
331	31	<i>Palicus</i> sp.	0	2	0	2	0	0	0	0	0	0	0	0	2	4
348	31	<i>Callidactylus asper</i>	4	0	0	0	0	0	0	0	0	0	0	0	1	4
390	12	<i>Nemocardium</i> sp.	0	0	0	4	0	0	0	0	0	0	0	0	1	4
392	16	<i>Polyodontes Lupina</i>	0	0	0	0	0	0	0	4	0	0	0	0	1	4
408	11	<i>Cosmioconcha calliglypta</i>	0	0	0	4	0	0	0	0	0	0	0	0	1	4

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
25	11	Tonna galea	0	2	1	0	0	0	0	0	0	0	0	0	3	3
49	25	Squilla edentata	0	0	0	0	0	0	2	1	0	0	0	0	2	3
73	31	Iliacantha subglobosa	0	2	1	0	0	0	0	0	0	0	0	0	2	3
78	31	Mesorhoea sexispinosa	2	0	0	0	0	0	0	0	1	0	0	0	2	3
83	31	Pachygrapsus transversus	0	0	3	0	0	0	0	0	0	0	0	0	1	3
86	31	Pagurus defensus	0	2	0	0	0	0	0	0	0	0	1	0	2	3
133	36	Astropecten comptus	0	3	0	0	0	0	0	0	0	0	0	0	2	3
147	37	Clypeaster sp	0	0	1	2	0	0	0	0	0	0	0	0	3	3
159	02	Chondrilla nucula	0	0	2	0	0	0	0	0	0	1	0	0	2	3
180	37	Encope michelini	2	0	0	0	0	1	0	0	0	0	0	0	2	3
201	31	Spiocarcinus lobatus	0	0	1	0	0	0	0	0	0	0	2	0	2	3
209	31	Parapandalus longicauda	0	0	0	0	0	0	1	0	0	0	1	1	3	3
228	31	Persephona crinita	0	0	0	0	1	0	0	0	2	0	0	0	3	3
236	25	Squilla neglecta	0	0	0	0	3	0	0	0	0	0	0	0	2	3
237	31	Persephona mediterranea	0	0	0	0	3	0	0	0	0	0	0	0	2	3
240	11	Sinum perspectivum	0	0	0	0	1	0	2	0	0	0	0	0	2	3
252	31	***Change to 237***	0	0	0	0	3	0	0	0	0	0	0	0	1	3
260	11	Umbraculum umbraculum	1	2	0	0	0	0	0	0	0	0	0	0	2	3
265	31	Macrocoeloma camplocerum	0	3	0	0	0	0	0	0	0	0	0	0	2	3
271	11	Fusinus eucosimus	0	1	2	0	0	0	0	0	0	0	0	0	2	3
276	31	Sphenocarcinus corrosus	0	3	0	0	0	0	0	0	0	0	0	0	1	3
281	11	Hyalina velici	0	0	1	2	0	0	0	0	0	0	0	0	2	3
290	11	Murex beauii	0	0	1	2	0	0	0	0	0	0	0	0	2	3
304	31	Isosoda	0	0	0	0	0	0	0	1	1	0	1	0	3	3
306	31	Crab	0	0	0	0	0	1	0	0	0	1	1	0	3	3

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
316	31	Galatheidae	0	2	0	0	0	0	0	0	0	0	0	1	2	3
322	31	Scyllaridae	0	2	1	0	0	0	0	0	0	0	0	0	2	3
360	11	Pleurobranchaea sp.	0	0	0	1	1	0	0	0	0	0	0	1	3	3
368	34	Molpadia oolitica	0	0	0	0	0	0	0	0	0	0	0	3	1	3
374	11	Modulus modulus	0	3	0	0	0	0	0	0	0	0	0	0	2	3
382	11	Crucibulum Auricula	0	0	1	2	0	0	0	0	0	0	0	0	2	3
386	12	Arca zebra	0	0	2	1	0	0	0	0	0	0	0	0	2	3
388	12	Corbula sp	0	0	3	0	0	0	0	0	0	0	0	0	1	3
8	11	Conus mazei	0	0	0	1	0	0	0	1	0	0	0	0	2	2
9	11	Conus stimpsoni	0	1	1	0	0	0	0	0	0	0	0	0	2	2
14	11	Crepidula maculosa	1	0	0	0	1	0	0	0	0	0	0	0	2	2
33	12	Atrina seminuda	0	0	0	0	0	0	0	0	0	0	0	2	2	2
44	13	Dentalium sp.	0	0	0	0	0	0	1	0	0	0	0	1	2	2
70	31	Hypoconchia spinosissima	0	2	0	0	0	0	0	0	0	0	0	0	1	2
72	31	Iliacantha lirodactylus	0	0	2	0	0	0	0	0	0	0	0	0	1	2
81	31	Nibilia acanthocarpa	0	0	1	0	0	0	0	0	0	0	1	0	2	2
97	31	Podocheila riisei	0	0	0	0	0	0	0	0	0	1	1	0	2	2
152	34	Euthyonacta solida	0	1	0	0	0	1	0	0	0	0	0	0	2	2
160	34	Psolus tuberculosis	0	0	2	0	0	0	0	0	0	0	0	0	2	2
165	11	Conus floridanus floridensis	0	0	0	2	0	0	0	0	0	0	0	0	1	2
167	11	Phalium granulatum	0	0	0	1	0	0	0	1	0	0	0	0	2	2
188	36	Luidia c.f. clathrata	0	1	0	0	0	1	0	0	0	0	0	0	2	2
193	31	Munida irrasa	0	1	0	0	0	0	1	0	0	0	0	0	2	2
198	11	Murex florifer dilectus	0	1	0	0	0	0	0	0	0	1	0	0	2	2
199	31	Stenocionops furcata	0	1	0	0	0	0	0	0	0	1	0	0	2	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
208	31	Alpheus amblyonyx	0	0	0	0	0	0	0	0	0	0	2	0	2	2
214	11	Murex formosus	0	0	0	2	0	0	0	0	0	0	0	0	2	2
217	11	Cancellaria sp	0	0	0	0	0	0	2	0	0	0	0	0	1	2
222	31	Stenocianops spinimana	0	0	0	0	0	0	0	1	0	0	1	0	2	2
224	31	Iridopagurus caribbensis	0	1	0	0	0	0	0	1	0	0	0	0	2	2
227	31	Ovalipes stephensoni	0	0	0	0	0	0	0	0	2	0	0	0	2	2
241	34	Thyone sp.	1	0	1	0	0	0	0	0	0	0	0	0	2	2
242	16	Lepidonotus sublevis	0	1	0	0	0	0	0	0	1	0	0	0	2	2
243	31	Pagurus pollicaris	0	0	0	0	0	0	0	0	1	1	0	0	2	2
249	34	Molpadia cf. cubana	0	0	0	0	0	0	0	0	0	0	0	2	1	2
254	10.1	Chaetopleura apiculata	0	0	0	0	2	0	0	0	0	0	0	0	1	2
261	35	Ophiothrix sp.	0	2	0	0	0	0	0	0	0	0	0	0	1	2
266	31	Ebalia carinosa	0	2	0	0	0	0	0	0	0	0	0	0	2	2
272	11	Fusinus timessus	0	2	0	0	0	0	0	0	0	0	0	0	2	2
289	11	Urosalpinx sp.	0	0	0	2	0	0	0	0	0	0	0	0	1	2
293	31	Portunidae	0	1	0	0	1	0	0	0	0	0	0	0	2	2
297	12.5	***Change to 41***	0	0	0	0	0	2	0	0	0	0	0	0	1	2
299	35	Ophiostigma isacanthus	0	0	0	0	0	0	0	2	0	0	0	0	1	2
308	31	Stenopus sp	0	0	0	0	0	0	0	0	0	0	2	0	2	2
315	31	Plesionika sp	0	0	0	0	0	0	0	0	0	0	0	2	1	2
329	31	Pylopagurus discoidalis	0	0	0	2	0	0	0	0	0	0	0	0	1	2
350	11	Murex Leviculus	0	2	0	0	0	0	0	0	0	0	0	0	1	2
366	31	Ovalipes ocellatus	0	0	0	0	2	0	0	0	0	0	0	0	2	2
373	12	Anadara transversa	0	1	1	0	0	0	0	0	0	0	0	0	2	2
376	35	stisma isacanthum	0	2	0	0	0	0	0	0	0	0	0	0	1	2

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
399	37	<i>Trigonocidaris albida</i>	0	2	0	0	0	0	0	0	0	0	0	0	1	2
402	12	<i>Acquiptecten lineolaris</i>	0	2	0	0	0	0	0	0	0	0	0	0	1	2
1	04	ANTHOZOA	0	0	0	0	0	0	1	0	0	0	0	0	1	1
5	11	<i>Architectonica nobilis</i>	0	0	0	0	0	0	0	0	1	0	0	0	1	1
10	11	<i>Crassispira ostrearum</i>	0	0	0	0	0	0	0	1	0	0	0	0	1	1
16	11	<i>Distorsio</i> sp.	0	1	0	0	0	0	0	0	0	0	0	0	1	1
17	11	<i>Fasciolaria lillium bullisi</i>	0	0	0	0	0	0	1	0	0	0	0	0	1	1
18	11	<i>Fasciolaria lillium tortugana</i>	1	0	0	0	0	0	0	0	0	0	0	0	1	1
19	11	<i>Ficus communis</i>	1	0	0	0	0	0	0	0	0	0	0	0	1	1
31	12	<i>Anomia simplex</i>	0	0	0	0	1	0	0	0	0	0	0	0	1	1
43	13	<i>Dentalium laqueatum</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
45	25	STOMATOPODA	0	0	0	0	0	0	0	0	1	0	0	0	1	1
46	25	<i>Acanthosquilla biniensis</i>	1	0	0	0	0	0	0	0	0	0	0	0	1	1
52	25	<i>Squilla grenadensis</i>	0	0	0	0	0	0	0	1	0	0	0	0	1	1
55	02	<i>Agelas oroides</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1
56	31	<i>Albunea gibbesii</i>	1	0	0	0	0	0	0	0	0	0	0	0	1	1
64	31	<i>Dromia erythropus</i>	0	0	0	0	0	0	0	1	0	0	0	0	1	1
65	31	<i>Ebalia stimpsoni</i>	1	0	0	0	0	0	0	0	0	0	0	0	1	1
66	31	<i>Eriphia gonagra</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1
69	31	<i>Hypoconchia arcuata</i>	1	0	0	0	0	0	0	0	0	0	0	0	1	1
71	31	<i>Iliacantha intermedia</i>	1	0	0	0	0	0	0	0	0	0	0	0	1	1
76	31	<i>Manucomplanus corallinus</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
88	31	<i>Palicus alternatus</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
109	31	<i>Scyllarides nodifer</i>	0	0	0	0	0	1	0	0	0	0	0	0	1	1
121	31	<i>Stenopus hispidus</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
138	36	<i>Luidia barbadensis</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
141	36	<i>Tosia parva</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
150	37	<i>Sycyonia</i> sp	1	0	0	0	0	0	0	0	0	0	0	0	1	1
154	02	<i>Homaxipholis waltonsmithii</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1
155	35	<i>Hemipholis elongata</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1
156	35	<i>Amphiolus squamatus</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1
157	04	<i>Leptogorgia setacea</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1
158	02	<i>Hymeniacion heliophila</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1
161	34	<i>Holothurm lentiginosa enodis</i>	0	0	1	0	0	0	0	0	0	0	0	0	1	1
166	11	<i>Xenophora</i> sp	0	0	0	1	0	0	0	0	0	0	0	0	1	1
168	11	<i>Haminoea elegans</i>	0	0	0	1	0	0	0	0	0	0	0	0	1	1
173	31	<i>Speocarcinus spinimana</i>	0	0	0	1	0	0	0	0	0	0	0	0	1	1
176	31	<i>Penaeus setiferus</i>	0	0	0	0	1	0	0	0	0	0	0	0	1	1
181	34	<i>Thyonata gemmata</i>	0	0	0	0	0	1	0	0	0	0	0	0	1	1
190	12	<i>Pseudochama radians</i>	0	0	0	0	0	0	1	0	0	0	0	0	1	1
191	12.5	<i>Abralia veranyi</i>	0	0	0	0	0	0	1	0	0	0	0	0	1	1
195	31	<i>Speocarcinus carolinensis</i>	0	0	0	0	0	0	0	0	1	0	0	0	1	1
196	31	<i>Pagurus brevidactylus</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	1
200	31	<i>Inachoides forceps</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	1
204	31	<i>Panopeus herbstii</i>	0	0	0	0	0	0	0	0	0	0	1	0	1	1
215	11	<i>Natica pusilla</i>	0	0	0	0	0	0	0	1	0	0	0	0	1	1
223	12	<i>Pitar cordata</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	1
225	31	<i>Paguristes triangulatus</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	1
234	12	<i>Laevicardium laevigatum</i>	0	0	0	0	1	0	0	0	0	0	0	0	1	1
235	31	<i>Hepatus pudibundus</i>	0	0	0	0	1	0	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
238	31	Calappa cf. ocellata	0	0	0	0	1	0	0	0	0	0	0	0	1	1
239	31	Ovalipes sp.	0	0	0	0	1	0	0	0	0	0	0	0	1	1
246	12	Lucina floridana	0	0	0	0	0	0	0	0	0	0	0	1	1	1
250	34	Paracaudina chiliensis obesica	0	0	0	0	0	0	0	0	0	0	0	1	1	1
255	11	Murex dilectus	0	0	0	0	0	1	0	0	0	0	0	0	1	1
256	12	Anadara notabilis	0	0	0	0	0	1	0	0	0	0	0	0	1	1
257	37	Echinometra viridis	0	0	0	0	0	1	0	0	0	0	0	0	1	1
259	31	Sicyonia sp.	1	0	0	0	0	0	0	0	0	0	0	0	1	1
262	35	Ophiothrix suenisoni	0	1	0	0	0	0	0	0	0	0	0	0	1	1
263	36	Luidia elegans	0	1	0	0	0	0	0	0	0	0	0	0	1	1
270	31	Crucibulum sp.	0	1	0	0	0	0	0	0	0	0	0	0	1	1
282	11	Fusinus dowianus	0	0	1	0	0	0	0	0	0	0	0	0	1	1
284	31	Elthusa sp.	0	0	1	0	0	0	0	0	0	0	0	0	1	1
286	34	Thyone briareus	0	0	1	0	0	0	0	0	0	0	0	0	1	1
287	37	Centrostephanus rubicundus	0	0	1	0	0	0	0	0	0	0	0	0	1	1
291	31	Collodes sp.	0	0	0	1	0	0	0	0	0	0	0	0	1	1
292	31	Lysmata rathbunae	0	0	0	0	0	0	0	0	0	0	0	1	1	1
294	31	***Change to 285***	0	0	0	0	0	0	0	1	0	0	0	0	1	1
295	31	Munida benedicti	0	0	0	0	0	0	0	0	0	0	1	0	1	1
317	25	Gonodactylus benedini	0	1	0	0	0	0	0	0	0	0	0	0	1	1
320	31	Pachyclaies rudimanus	0	1	0	0	0	0	0	0	0	0	0	0	1	1
323	31	Leucosidae	0	1	0	0	0	0	0	0	0	0	0	0	1	1
325	31	Grapsidae	0	0	1	0	0	0	0	0	0	0	0	0	1	1
326	31	Gallidactalus asper	0	0	1	0	0	0	0	0	0	0	0	0	1	1
327	31	Solenolembus typicus	0	0	1	0	0	0	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
328	31	Osachila sp.	0	1	0	0	0	0	0	0	0	0	0	0	1	1
333	31	Ogyrides sp	0	0	0	0	1	0	0	0	0	0	0	0	1	1
336	31	Stenopus sp	0	0	0	0	0	0	1	0	0	0	0	0	1	1
338	31	Penaeidea	0	0	0	1	0	0	0	0	0	0	0	0	1	1
343	11	Doris verrucosa	0	0	0	0	0	0	0	0	1	0	0	0	1	1
344	12	Amygdalum papyraceum	0	0	0	0	0	0	0	0	0	1	0	0	1	1
345	13	Cadulus sp	0	0	0	0	0	0	0	0	0	0	1	0	1	1
347	06	Cerebratulus luridus	0	0	0	0	0	0	0	0	0	0	0	1	1	1
349	11	Cyphoma macginiti	0	1	0	0	0	0	0	0	0	0	0	0	1	1
352	12	Anadara floridana	0	1	0	0	0	0	0	0	0	0	0	0	1	1
354	11	Cochlespira padiata	0	0	1	0	0	0	0	0	0	0	0	0	1	1
356	12	Aequipecten phrygium	0	0	1	0	0	0	0	0	0	0	0	0	1	1
357	11	Scaphella junonia	0	0	1	0	0	0	0	0	0	0	0	0	1	1
358	34	Pentamera pulcherrima	0	0	0	1	0	0	0	0	0	0	0	0	1	1
362	11	Doris sp	0	0	0	0	0	1	0	0	0	0	0	0	1	1
363	34	Molpadia muscularus	0	0	0	0	0	0	0	1	0	0	0	0	1	1
364	11	Anachis avera	0	0	0	0	0	0	0	1	0	0	0	0	1	1
367	37	Plethotaenia spantangoida	0	0	0	0	0	0	0	0	0	0	0	1	1	1
369	34	Caudina arenata	0	0	0	0	0	0	0	0	0	0	0	1	1	1
375	11	Heliacus bisulcatus	0	1	0	0	0	0	0	0	0	0	0	0	1	1
378	12.5	Octopus burryi	0	0	1	0	0	0	0	0	0	0	0	0	1	1
380	11	Cyphoma sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
381	34	Psolus sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
384	11	Anachis sp	0	0	1	0	0	0	0	0	0	0	0	0	1	1
385	36	Hippasteria phrygiana	0	0	1	0	0	0	0	0	0	0	0	0	1	1

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Spec. No.	Fam No.	Species Name	D1	D2	D3	D4	M1	M2	M3	M4	C1	C2	C3	C4	Count	Abun
389	12	Musculus lateralis	0	0	1	0	0	0	0	0	0	0	0	0	1	1
391	12	Lucinidae	0	0	0	1	0	0	0	0	0	0	0	0	1	1
395	39	Styela partita	1	0	0	0	0	0	0	0	0	0	0	0	1	1
400	34	Holothuroidea	0	0	1	0	0	0	0	0	0	0	0	0	1	1
401	39	Ascidacea	0	0	1	0	0	0	0	0	0	0	0	0	1	1
404	11	Turitella acropora	0	1	0	0	0	0	0	0	0	0	0	0	1	1
405	11	Pleurobranchaea hedgpethi	0	1	0	0	0	0	0	0	0	0	0	0	1	1
406	08	Hippotorida texana	0	1	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL			794	1473	1559	1239	959	1290	785	1828	1342	2068	2941	6907	1769	23185

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Demersal Fish Taxonomy

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
1	87B0	C	1	1	17	1	Leiostomus xanthurus
2	87B0	C	1	1	234	1	Menidia peninsulæ
3	87B0	C	1	1	233	1	Paraconger caudilimbatus
4	87B0	C	1	1	71	1	Prionotus longispinosus
5	87B0	C	1	1	72	1	Prionotus tribulus
6	87B0	C	1	1	61	1	Scorpaena calcarata
7	87B0	C	1	1	121	2	Syngnathus louisianæ
8	87B0	C	1	1	97	3	Gymnothorax nigromarginatu
9	87B0	C	1	1	4	3	Micropogonias undulatus
10	87B0	C	1	1	47	4	Prionotus rubio
11	87B0	C	1	1	13	4	Stenotomus caprinus
12	87B0	C	1	1	43	4	Syacium gunteri
13	87B0	C	1	1	81	4	Symphurus diomedianus
14	87B0	C	1	1	228	5	Lepophidium graellsii
15	87B0	C	1	1	51	7	Halieutichthys aculeatus
16	87B0	C	1	1	65	7	Synodus foetens
17	87B0	C	1	1	42	9	Etropus crossotus
18	87B0	C	1	1	80	9	Symphurus civitatus
19	87B0	C	1	1	20	10	Anchoa hepsetus
20	87B0	C	1	1	50	10	Diplectrum bivittatum
21	87B0	C	1	1	82	34	Symphurus plagiusa
22	87B0	C	1	1	64	49	Sphoeroides parvus
23	87B0	C	1	1	68	97	Bregmaceros atlanticus
24	87B0	C	2	1	222	1	Bellator brachychir
25	87B0	C	2	2	45	1	Bellator militaris
26	87B0	C	2	1	50	1	Diplectrum bivittatum
27	87B0	C	2	1	51	1	Halieutichthys aculeatus
28	87B0	C	2	2	55	1	Lutjanus campechanus
29	87B0	C	2	1	71	1	Prionotus longispinosus
30	87B0	C	2	1	69	1	Prionotus ophryas
31	87B0	C	2	2	223	1	Scorpaena plumieri
32	87B0	C	2	1	62	1	Serranus atrobranchus
33	87B0	C	2	1	43	1	Syacium gunteri
34	87B0	C	2	1	77	1	Trichopsetta ventralis
35	87B0	C	2	1	340	2	Unidentified Species
36	87B0	C	2	1	49	2	Centropristis philadelphica
37	87B0	C	2	1	41	2	Engyophrys senta
38	87B0	C	2	1	42	2	Etropus crossotus
39	87B0	C	2	1	70	2	Prionotus roseus
40	87B0	C	2	2	13	2	Stenotomus caprinus
41	87B0	C	2	2	145	2	Syacium papillosum
42	87B0	C	2	1	155	2	Trachinocephalus myops
43	87B0	C	2	1	81	3	Symphurus diomedianus
44	87B0	C	2	2	81	3	Symphurus diomedianus
45	87B0	C	2	2	214	3	Symphurus parvus
46	87B0	C	2	2	65	3	Synodus foetens
47	87B0	C	2	2	46	4	Prionotus paralatus
48	87B0	C	2	2	47	4	Prionotus rubio
49	87B0	C	2	2	90	4	Pristipomoides aquilonaris
50	87B0	C	2	2	60	4	Saurida brasiliensis
51	87B0	C	2	2	62	4	Serranus atrobranchus
52	87B0	C	2	1	65	4	Synodus foetens
53	87B0	C	2	2	49	5	Centropristis philadelphica

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
54	87B0	C	2	2	59	5	Porichthys plectrodon
55	87B0	C	2	1	47	6	Prionotus rubio
56	87B0	C	2	1	61	7	Scorpaena calcarata
57	87B0	C	2	1	145	7	Syacium papillosum
58	87B0	C	2	1	60	11	Saurida brasiliensis
59	87B0	C	2	1	13	13	Stenotomus caprinus
60	87B0	C	2	2	41	18	Engyophrys senta
61	87B0	C	2	2	43	27	Syacium gunteri
62	87B0	C	2	2	51	100	Halieutichthys aculeatus
63	87B0	C	3	1	152	1	Antennarius radiosus
64	87B0	C	3	1	249	1	Chlorophthalmus agassizi
65	87B0	C	3	1	5	1	Cynoscion arenarius
66	87B0	C	3	1	224	1	Monolene sessilcauda
67	87B0	C	3	1	105	1	Pontinus longispinis
68	87B0	C	3	1	59	1	Porichthys plectrodon
69	87B0	C	3	1	118	1	Unidentified species
70	87B0	C	3	1	163	2	Hoplunnis tenuis
71	87B0	C	3	1	46	2	Prionotus paralatus
72	87B0	C	3	1	73	3	Ancylopsetta dilecta
73	87B0	C	3	1	164	3	Citharichthys cornutus
74	87B0	C	3	1	187	3	Kathetostoma albigutta
75	87B0	C	3	1	41	4	Engyophrys senta
76	87B0	C	3	1	129	5	Caulolatilus intermedius
77	87B0	C	3	1	44	5	Gymnachirus texae
78	87B0	C	3	1	176	5	Hoplunnis macrurus
79	87B0	C	3	1	90	5	Pristipomoides aquilonaris
80	87B0	C	3	1	65	5	Synodus foetens
81	87B0	C	3	1	225	6	Ogcocephalus nasutus
82	87B0	C	3	1	47	7	Prionotus rubio
83	87B0	C	3	1	188	8	Physiculus fulvus
84	87B0	C	3	1	81	8	Symphurus diomedianus
85	87B0	C	3	1	13	9	Stenotomus caprinus
86	87B0	C	3	1	49	12	Centropristis philadelphica
87	87B0	C	3	1	139	12	Hildebrandia flava
88	87B0	C	3	1	118	32	Unidentified species
90	87B0	C	3	1	77	40	Trichopsetta ventralis
91	87B0	C	3	1	62	69	Serranus atrobranchus
92	87B0	C	3	1	51	240	Halieutichthys aculeatus
93	87B0	C	4	1	226	1	Ariosoma balearicum
94	87B0	C	4	1	227	1	Hildebrandia gracilior
95	87B0	C	4	1	228	1	Lepophidium graellsii
96	87B0	C	4	1	229	1	Polymixia lowei
97	87B0	C	4	1	157	2	Urophycis cirrata
98	87B0	C	4	1	231	5	Coelorhynchus caribbaeus
99	87B0	C	4	1	230	12	Bembrops anatrostris
100	87B0	C	4	1	232	16	Bathygadus macrops
101	87B0	C	4	1	105	45	Pontinus longispinis
102	87B0	D	1	1	49	1	Centropristis philadelphica
103	87B0	D	1	1	5	1	Cynoscion arenarius
104	87B0	D	1	1	117	1	Ophidion grayi
105	87B0	D	1	1	60	1	Saurida brasiliensis
106	87B0	D	1	1	61	1	Scorpaena calcarata
107	87B0	D	1	1	81	1	Symphurus diomedianus

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
108	87B0	D	1	1	245	1	Symphurus piger
109	87B0	D	1	1	82	1	Symphurus plagiusa
110	87B0	D	1	1	159	2	Ophidion holbrooki
111	87B0	D	1	1	20	3	Anchoa hepsetus
112	87B0	D	1	1	28	3	Orthopristis chrysoptera
113	87B0	D	1	1	71	4	Prionotus longispinosus
114	87B0	D	1	1	10	5	Ariopsis felis
115	87B0	D	1	1	241	5	Diplectrum formosum
116	87B0	D	1	1	244	5	Lepophidium spp.
117	87B0	D	1	1	134	6	Sphoeroides spengleri
118	87B0	D	1	1	243	8	Otophidium omostigmum
119	87B0	D	1	1	43	9	Syacium gunteri
120	87B0	D	1	1	65	9	Synodus foetens
121	87B0	D	1	1	137	15	Prionotus scitulus
122	87B0	D	1	1	145	25	Syacium papillosum
123	87B0	D	1	1	13	38	Stenotomus caprinus
124	87B0	D	1	1	50	47	Diplectrum bivittatum
125	87B0	D	1	1	242	311	Anchoa cubana
126	87B0	D	2	1	50	1	Diplectrum bivittatum
127	87B0	D	2	1	246	1	Gastropsetta frontalis
128	87B0	D	2	1	97	1	Gymnothorax nigromarginatu
129	87B0	D	2	1	69	1	Prionotus ophryas
130	87B0	D	2	1	172	1	Rhombloplites aurorubens
131	87B0	D	2	1	65	1	Synodus foetens
132	87B0	D	2	1	155	1	Trachinocephalus myops
133	87B0	D	2	1	45	2	Bellator militaris
134	87B0	D	2	1	218	2	Cyclopsetta fimbriata
135	87B0	D	2	1	13	3	Stenotomus caprinus
136	87B0	D	2	1	239	4	Ogcocephalus parvus
137	87B0	D	2	1	51	7	Halieutichthys aculeatus
138	87B0	D	2	1	71	8	Prionotus longispinosus
139	87B0	D	2	1	70	22	Prionotus roseus
140	87B0	D	2	1	145	44	Syacium papillosum
141	87B0	D	2	1	66	96	Synodus poeyi
142	87B0	D	4	1	249	1	Chlorophthalmus agassizi
143	87B0	D	4	1	229	1	Polymixia lowei
144	87B0	D	4	1	224	2	Monolene sessilicauda
145	87B0	D	4	1	219	2	Nettastomatid eel
146	87B0	D	4	1	217	3	Neobythites gilli
147	87B0	D	4	1	33	3	Urophycis floridana
148	87B0	D	4	1	105	4	Pontinus longispinis
149	87B0	D	4	1	228	5	Lepophidium graellsii
150	87B0	D	4	1	280	7	Poecilopsetta beani
151	87B0	D	4	1	232	10	Bathygadus macrops
152	87B0	D	4	1	230	13	Bembrops anatirostris
153	87B0	D	4	1	248	17	Zalieutes mcgintyi
154	87B0	D	4	1	247	25	Macrorhamphosus gracilis
155	87B0	M	1	1	235	1	Brevoortia gunteri
156	87B0	M	1	1	76	1	Citharichthys macrops
157	87B0	M	1	1	131	1	Decapterus punctatus
158	87B0	M	1	1	26	1	Harengula jaguana
159	87B0	M	1	1	117	1	Ophidion grayi
160	87B0	M	1	1	60	1	Saurida brasiliensis

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
161	87B0	M	1	1	138	1	Serraniculus pumilio
162	87B0	M	1	1	64	1	Sphoeroides parvus
163	87B0	M	1	1	43	1	Syacium gunteri
164	87B0	M	1	1	22	4	Anchoa lyolepis
165	87B0	M	1	1	42	4	Etropus crossotus
166	87B0	M	1	1	50	6	Diplectrum bivittatum
167	87B0	M	1	1	17	6	Leiostomus xanthurus
168	87B0	M	1	1	13	14	Stenotomus caprinus
169	87B0	M	1	1	172	16	Rhombloplites aurorubens
170	87B0	M	1	1	193	26	Haemulon aurolineatum
171	87B0	M	1	1	4	28	Micropogonias undulatus
172	87B0	M	2	1	111	1	Equetus umbrosus
173	87B0	M	2	1	17	1	Leiostomus xanthurus
174	87B0	M	2	1	47	1	Prionotus rubio
175	87B0	M	2	1	94	1	Raja texana
176	87B0	M	2	1	81	1	Symphurus diomedianus
177	87B0	M	2	1	5	2	Cynoscion arenarius
178	87B0	M	2	1	50	2	Diplectrum bivittatum
179	87B0	M	2	1	41	2	Engyophrys senta
180	87B0	M	2	1	44	2	Gymnachirus texae
181	87B0	M	2	1	237	2	Gymnothorax saxicola
182	87B0	M	2	1	54	2	Lepophidium jeannae
183	87B0	M	2	1	69	2	Prionotus ophryas
184	87B0	M	2	1	46	2	Prionotus paralatus
185	87B0	M	2	1	63	2	Sphoeroides dorsalis
186	87B0	M	2	1	49	3	Centropristis philadelphia
187	87B0	M	2	1	4	3	Micropogonias undulatus
188	87B0	M	2	1	238	5	Mulloidichthys martinicus
189	87B0	M	2	1	239	6	Ogcocephalus parvus
190	87B0	M	2	1	65	9	Synodus foetens
191	87B0	M	2	1	13	13	Stenotomus caprinus
192	87B0	M	2	1	59	14	Porichthys plectrodon
193	87B0	M	2	1	71	17	Prionotus longispinosus
194	87B0	M	2	1	45	38	Bellator militaris
195	87B0	M	2	1	61	42	Scorpaena calcarata
196	87B0	M	2	1	51	51	Halieutichthys aculeatus
197	87B0	M	2	1	145	57	Syacium papillosum
198	87B0	M	3	1	47	1	Prionotus rubio
199	87B0	M	3	1	90	1	Pristipomoides aquilonaris
200	87B0	M	3	1	240	1	Raja olseni
201	87B0	M	3	1	62	2	Serranus atrobranchus
202	87B0	M	3	1	61	3	Scorpaena calcarata
203	87B0	M	3	1	232	4	Bathygadus macrops
204	87B0	M	3	1	169	4	Paralichthys squamilentus
205	87B0	M	3	1	33	4	Urophycis floridana
206	87B0	M	3	1	73	5	Ancylopsetta dilecta
207	87B0	M	3	1	77	5	Trichopsetta ventralis
208	87B0	M	3	1	4	6	Micropogonias undulatus
209	87B0	M	3	1	204	6	Ogcocephalus corniger
210	87B0	M	3	1	231	7	Coelorhynchus caribbaeus
211	87B0	M	3	1	168	7	Peristedion gracile
212	87B0	M	3	1	49	8	Centropristis philadelphia
213	87B0	M	3	1	105	8	Pontinus longispinis

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
214	87B0	M	3	1	81	8	Symphurus diomedianus
215	87B0	M	3	1	230	11	Bembrops anatiostris
216	87B0	M	3	1	48	14	Prionotus stearnsi
217	87B0	M	3	1	59	15	Porichthys plectrodon
218	87B0	M	3	1	225	29	Ogcocephalus nasutus
219	87B0	M	3	1	5	30	Cynoscion arenarius
220	87B0	M	3	1	13	31	Stenotomus caprinus
221	87B0	M	3	1	17	37	Leiostomus xanthurus
222	87B0	M	3	1	51	135	Halieutichthys aculeatus
223	87B0	M	3	1	46	255	Prionotus paralatus
224	87B1	C	1	2	40	1	Cyclopsetta chittendeni
225	87B1	C	1	2	237	1	Gymnothorax saxicola
226	87B1	C	1	2	193	1	Haemulon aurolineatum
227	87B1	C	1	1	228	1	Lepophidium graellsii
228	87B1	C	1	1	266	1	Lutjanus mahogoni
229	87B1	C	1	1	7	1	Menticirrhus americanus
230	87B1	C	1	1	4	1	Micropogonias undulatus
231	87B1	C	1	2	282	1	Ogcocephalus sp.
232	87B1	C	1	1	71	1	Prionotus longispinosus
233	87B1	C	1	1	125	1	Rypticus maculatus
234	87B1	C	1	2	61	1	Scorpaena calcarata
235	87B1	C	1	1	140	1	Selene vomer
236	87B1	C	1	2	64	1	Sphoeroides parvus
237	87B1	C	1	2	81	1	Symphurus diomedianus
238	87B1	C	1	1	58	2	Ophidion welshi
239	87B1	C	1	2	58	2	Ophidion welshi
240	87B1	C	1	1	59	2	Porichthys plectrodon
241	87B1	C	1	1	134	2	Sphoeroides spengleri
242	87B1	C	1	2	65	2	Synodus foetens
243	87B1	C	1	2	17	3	Leiostomus xanthurus
244	87B1	C	1	2	13	3	Stenotomus caprinus
245	87B1	C	1	1	81	3	Symphurus diomedianus
246	87B1	C	1	1	65	3	Synodus foetens
247	87B1	C	1	2	47	4	Prionotus rubio
248	87B1	C	1	2	228	5	Lepophidium graellsii
249	87B1	C	1	1	13	5	Stenotomus caprinus
250	87B1	C	1	1	47	6	Prionotus rubio
251	87B1	C	1	2	42	8	Etropus crossotus
252	87B1	C	1	2	80	15	Symphurus civitatus
253	87B1	C	1	1	82	17	Symphurus plagiusa
254	87B1	C	1	1	42	18	Etropus crossotus
255	87B1	C	1	1	50	32	Diplectrum bivittatum
256	87B1	C	1	2	82	34	Symphurus plagiusa
257	87B1	C	1	1	80	41	Symphurus civitatus
258	87B1	C	1	2	50	47	Diplectrum bivittatum
259	87B1	C	1	2	51	49	Halieutichthys aculeatus
260	87B1	C	1	1	51	95	Halieutichthys aculeatus
261	87B1	C	1	2	43	150	Syacium gunteri
262	87B1	C	1	1	43	172	Syacium gunteri
263	87B1	C	2	2	45	1	Bellator militaris
264	87B1	C	2	2	176	1	Hoplunnis macrurus
265	87B1	C	2	2	288	1	Serranus spp.
266	87B1	C	2	1	13	1	Stenotomus caprinus

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
267	87B1	C	2	2	43	1	Syacium gunteri
268	87B1	C	2	2	145	1	Syacium papillosum
269	87B1	C	2	2	289	1	Syacium sp.
270	87B1	C	2	1	289	1	Syacium sp.
271	87B1	C	2	2	49	2	Centropristis philadelphia
272	87B1	C	2	1	228	2	Lepophidium graellsii
273	87B1	C	2	1	82	2	Symphurus plagiosa
274	87B1	C	2	2	65	2	Synodus foetens
275	87B1	C	2	1	270	2	Trichopsetta sp.
276	87B1	C	2	1	44	3	Gymnachirus texae
277	87B1	C	2	1	59	3	Porichthys plectrodon
278	87B1	C	2	2	47	3	Prionotus rubio
279	87B1	C	2	2	81	3	Symphurus diomedianus
280	87B1	C	2	1	65	3	Synodus foetens
281	87B1	C	2	2	41	4	Engyophrys senta
282	87B1	C	2	2	287	4	Symphurus pelicanus
283	87B1	C	2	1	62	5	Serranus atrobranchus
284	87B1	C	2	1	85	6	Bollmannia communis
285	87B1	C	2	2	40	6	Cyclopsetta chittendeni
286	87B1	C	2	2	228	6	Lepophidium graellsii
287	87B1	C	2	1	43	6	Syacium gunteri
288	87B1	C	2	2	13	7	Stenotomus caprinus
289	87B1	C	2	2	59	8	Porichthys plectrodon
290	87B1	C	2	2	62	9	Serranus atrobranchus
291	87B1	C	2	2	80	9	Symphurus civitatus
292	87B1	C	2	1	80	10	Symphurus civitatus
293	87B1	C	2	2	44	17	Gymnachirus texae
294	87B1	C	2	2	228	18	Lepophidium graellsii
295	87B1	C	2	2	85	33	Bollmannia communis
296	87B1	C	3	1	236	1	Unidentified species
297	87B1	C	3	1	152	1	Antennarius radiosus
298	87B1	C	3	2	152	1	Antennarius radiosus
299	87B1	C	3	2	99	1	Etrumeus teres
300	87B1	C	3	1	44	1	Gymnachirus texae
301	87B1	C	3	1	139	1	Hildebrandia flava
302	87B1	C	3	2	37	1	Lagodon rhomboides
303	87B1	C	3	2	188	1	Physiculus fulvus
304	87B1	C	3	1	48	1	Prionotus stearnsi
305	87B1	C	3	2	90	1	Pristipomoides aquilonaris
306	87B1	C	3	2	240	1	Raja olseni
307	87B1	C	3	1	13	1	Stenotomus caprinus
308	87B1	C	3	2	81	1	Symphurus diomedianus
309	87B1	C	3	2	14	1	Trichiurus lepturus
310	87B1	C	3	1	33	1	Urophycis floridana
311	87B1	C	3	1	230	2	Bembrops anatiostris
312	87B1	C	3	1	90	2	Pristipomoides aquilonaris
313	87B1	C	3	2	60	2	Saurida brasiliensis
314	87B1	C	3	1	80	2	Symphurus civitatus
315	87B1	C	3	2	119	3	Brotula barbata
316	87B1	C	3	1	129	3	Caulolatilus intermedius
317	87B1	C	3	2	290	3	Kyphosus sectatrix
318	87B1	C	3	1	217	3	Neobythites gilli
319	87B1	C	3	2	217	3	Neobythites gilli

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
320	87B1	C	3	1	59	3	Porichthys plectrodon
321	87B1	C	3	2	59	3	Porichthys plectrodon
322	87B1	C	3	2	80	3	Symphurus civitatus
323	87B1	C	3	1	157	3	Urophycis cirrata
324	87B1	C	3	1	119	4	Brotula barbata
325	87B1	C	3	1	225	4	Ogcocephalus nasutus
326	87B1	C	3	2	129	5	Caulolatilus intermedius
327	87B1	C	3	2	164	5	Citharichthys cornutus
328	87B1	C	3	2	230	6	Bembrops anatiostris
329	87B1	C	3	2	13	6	Stenotomus caprinus
330	87B1	C	3	2	292	7	Prionotus alatus
331	87B1	C	3	1	81	7	Symphurus diomedianus
332	87B1	C	3	2	157	7	Urophycis cirrata
333	87B1	C	3	2	49	10	Centropristis philadelphia
334	87B1	C	3	2	293	11	Hemanthias vivanus
335	87B1	C	3	1	49	13	Centropristis philadelphia
336	87B1	C	3	2	57	14	Ogcocephalus declivirostris
337	87B1	C	3	1	62	28	Serranus atrobranchus
338	87B1	C	3	1	105	35	Pontinus longispinis
339	87B1	C	3	1	46	37	Prionotus paralatus
340	87B1	C	3	2	51	40	Halieutichthys aculeatus
341	87B1	C	3	1	232	43	Bathygadus macrops
342	87B1	C	3	2	291	51	Steindachneria argentea
343	87B1	C	3	1	77	59	Trichopsetta ventralis
344	87B1	C	3	2	62	64	Serranus atrobranchus
345	87B1	C	3	2	77	77	Trichopsetta ventralis
346	87B1	C	3	2	105	80	Pontinus longispinis
347	87B1	C	3	1	51	248	Halieutichthys aculeatus
348	87B1	C	4	1	217	1	Neobythites gilli
349	87B1	C	4	1	280	1	Poecilopsetta beani
350	87B1	C	4	2	229	1	Polymixia lowei
351	87B1	C	4	2	278	2	Coelorhynchus coelorhynchus
352	87B1	C	4	1	224	2	Monolene sessilicauda
353	87B1	C	4	1	105	2	Pontinus longispinis
354	87B1	C	4	2	279	4	Synagrops bellus
355	87B1	C	4	2	230	8	Bembrops anatiostris
356	87B1	C	4	2	157	13	Urophycis cirrata
357	87B1	C	4	2	277	32	Bathygadus melanobranchus
358	87B1	C	4	2	105	93	Pontinus longispinis
359	87B1	D	1	1	204	1	Ogcocephalus corniger
360	87B1	D	1	1	261	1	Prionotus martis
361	87B1	D	1	1	137	1	Prionotus scitulus
362	87B1	D	1	2	262	1	Raja eglantera
363	87B1	D	1	1	262	1	Raja eglantera
364	87B1	D	1	2	32	1	Trachurus lathami
365	87B1	D	1	2	264	2	Etropus rimosus
366	87B1	D	1	1	71	2	Prionotus longispinosus
367	87B1	D	1	2	64	2	Sphoeroides parvus
368	87B1	D	1	1	13	2	Stenotomus caprinus
369	87B1	D	1	1	65	2	Synodus foetens
370	87B1	D	1	2	155	2	Trachinocephalus myops
371	87B1	D	1	2	20	3	Anchoa hepsetus
372	87B1	D	1	2	34	3	Chloroscombrus chrysurus

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
373	87B1	D	1	2	241	3	Diplectrum formosum
374	87B1	D	1	2	145	3	Syacium papillosum
375	87B1	D	1	1	145	4	Syacium papillosum
376	87B1	D	1	1	50	5	Diplectrum bivittatum
377	87B1	D	1	1	263	6	Etropus microstomus
378	87B1	D	1	1	241	8	Diplectrum formosum
379	87B1	D	2	1	45	1	Bellator militaris
380	87B1	D	2	2	218	1	Cyclopsetta fimbriata
381	87B1	D	2	1	267	1	Decapterus macarellus
382	87B1	D	2	2	286	1	Echiophis intertinctus
383	87B1	D	2	2	283	1	Gymnachirus melas
384	87B1	D	2	1	237	1	Gymnothorax saxicola
385	87B1	D	2	2	285	1	Ophichthus ocellatus
386	87B1	D	2	1	169	1	Paralichthys squamilentus
387	87B1	D	2	1	63	1	Sphoeroides dorsalis
388	87B1	D	2	2	13	1	Stenotomus caprinus
389	87B1	D	2	1	82	1	Symphurus plagiusa
390	87B1	D	2	2	193	2	Haemulon aurolineatum
391	87B1	D	2	2	82	2	Symphurus plagiusa
392	87B1	D	2	1	33	2	Urophycis floridana
393	87B1	D	2	2	237	3	Gymnothorax saxicola
394	87B1	D	2	1	49	4	Centropristis philadelphia
395	87B1	D	2	1	51	4	Halieutichthys aculeatus
396	87B1	D	2	1	155	5	Trachinocephalus myops
397	87B1	D	2	2	45	6	Bellator militaris
398	87B1	D	2	1	65	7	Synodus foetens
399	87B1	D	2	2	54	8	Lepophidium jeannae
400	87B1	D	2	2	124	8	Serranus phoebe
401	87B1	D	2	1	145	9	Syacium papillosum
402	87B1	D	2	2	65	9	Synodus foetens
403	87B1	D	2	2	61	10	Scorpaena calcarata
404	87B1	D	2	1	13	13	Stenotomus caprinus
405	87B1	D	2	2	239	15	Ogcocephalus parvus
406	87B1	D	2	2	51	20	Halieutichthys aculeatus
407	87B1	D	2	2	162	21	Centropristis ocyurus
408	87B1	D	2	1	71	21	Prionotus longispinosus
409	87B1	D	2	2	71	34	Prionotus longispinosus
410	87B1	D	2	2	145	78	Syacium papillosum
411	87B1	D	3	1	49	1	Centropristis philadelphia
412	87B1	D	3	1	260	1	Equetus lanceolatus
413	87B1	D	3	1	259	1	Fistularia petimba
414	87B1	D	3	1	253	1	Hemanthias aureorubens
415	87B1	D	3	1	228	1	Lepophidium graellsii
416	87B1	D	3	1	54	1	Lepophidium jeannae
417	87B1	D	3	1	258	1	Muraena miliaris
418	87B1	D	3	1	204	1	Ogcocephalus corniger
419	87B1	D	3	1	127	1	Pristigenys alta
420	87B1	D	3	1	256	1	Urophycis earlly
421	87B1	D	3	1	251	2	Bellator egretta
422	87B1	D	3	1	164	2	Citharichthys cornutus
423	87B1	D	3	1	237	2	Gymnothorax saxicola
424	87B1	D	3	1	292	2	Prionotus alatus
425	87B1	D	3	1	218	3	Cyclopsetta fimbriata

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
426	87B1	D	3	1	255	3	Equetus Spp.
427	87B1	D	3	1	217	3	Neobythites gilli
428	87B1	D	3	1	257	3	Ostichthys trachypoma
429	87B1	D	3	1	128	4	Apogon pseudomaculatus
430	87B1	D	3	1	51	4	Halieutichthys aculeatus
431	87B1	D	3	1	250	4	Scorpaena agassizi
432	87B1	D	3	1	252	5	Halichoeres spp.
433	87B1	D	3	1	90	5	Pristipomoides aquilonaris
434	87B1	D	3	1	106	5	Scorpaena dispar
435	87B1	D	3	1	112	6	Chaetodon aya
436	87B1	D	3	1	111	6	Equetus umbrosus
437	87B1	D	3	1	105	6	Pontinus longispinis
438	87B1	D	3	1	254	89	Serranus notospilus
439	87B1	M	1	1	271	1	Caranx latus
440	87B1	M	1	1	42	1	Etropus crossotus
441	87B1	M	1	2	264	1	Etropus rimosus
442	87B1	M	1	2	275	1	Lutjanus analis
443	87B1	M	1	1	273	1	Lutjanus aya
444	87B1	M	1	2	71	1	Prionotus longispinosus
445	87B1	M	1	1	60	1	Saurida brasiliensis
446	87B1	M	1	2	140	1	Selene vomer
447	87B1	M	1	2	43	1	Syacium gunteri
448	87B1	M	1	2	81	1	Symphurus diomedianus
449	87B1	M	1	1	69	2	Prionotus ophryas
450	87B1	M	1	1	70	2	Prionotus roseus
451	87B1	M	1	2	32	2	Trachurus lathami
452	87B1	M	1	2	10	3	Ariopsis felis
453	87B1	M	1	1	39	3	Citharichthys spilopterus
454	87B1	M	1	1	42	3	Etropus crossotus
455	87B1	M	1	1	80	3	Symphurus civitatus
456	87B1	M	1	1	10	4	Ariopsis felis
457	87B1	M	1	1	51	4	Halieutichthys aculeatus
458	87B1	M	1	1	272	4	Sphyaena borealis
459	87B1	M	1	2	145	4	Syacium papillosum
460	87B1	M	1	1	82	4	Symphurus plagiusa
461	87B1	M	1	2	82	4	Symphurus plagiusa
462	87B1	M	1	1	32	5	Trachurus lathami
463	87B1	M	1	1	145	9	Syacium papillosum
464	87B1	M	1	1	65	9	Synodus foetens
465	87B1	M	1	1	64	11	Sphoeroides parvus
466	87B1	M	1	2	65	11	Synodus foetens
467	87B1	M	1	2	50	13	Diplectrum bivittatum
468	87B1	M	1	1	43	14	Syacium gunteri
469	87B1	M	1	1	264	20	Etropus rimosus
470	87B1	M	1	2	20	43	Anchoa hepsetus
471	87B1	M	1	1	34	50	Chloroscombrus chrysurus
472	87B1	M	1	1	13	59	Stenotomus caprinus
473	87B1	M	1	2	13	60	Stenotomus caprinus
474	87B1	M	1	1	50	85	Diplectrum bivittatum
475	87B1	M	1	2	34	118	Chloroscombrus chrysurus
476	87B1	M	2	2	40	1	Cyclopsetta chittendeni
477	87B1	M	2	2	264	1	Etropus rimosus
478	87B1	M	2	2	321	1	Etropus spp.

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
479	87B1	M	2	1	318	1	<i>Liopropoma eukrines</i>
480	87B1	M	2	2	4	1	<i>Micropogonias undulatus</i>
481	87B1	M	2	2	108	1	<i>Monocanthus hispidus</i>
482	87B1	M	2	1	108	1	<i>Monocanthus hispidus</i>
483	87B1	M	2	2	71	1	<i>Prionotus longispinosus</i>
484	87B1	M	2	2	47	1	<i>Prionotus rubio</i>
485	87B1	M	2	1	47	1	<i>Prionotus rubio</i>
486	87B1	M	2	2	60	1	<i>Saurida brasiliensis</i>
487	87B1	M	2	1	124	1	<i>Serranus phoebe</i>
488	87B1	M	2	1	155	1	<i>Trachinocephalus myops</i>
489	87B1	M	2	2	45	2	<i>Bellator militaris</i>
490	87B1	M	2	1	34	2	<i>Chloroscombrus chrysurus</i>
491	87B1	M	2	2	111	2	<i>Equetus umbrosus</i>
492	87B1	M	2	1	42	2	<i>Etropus crossotus</i>
493	87B1	M	2	1	59	2	<i>Porichthys plectrodon</i>
494	87B1	M	2	2	48	2	<i>Prionotus stearnsi</i>
495	87B1	M	2	1	61	2	<i>Scorpaena calcarata</i>
496	87B1	M	2	1	62	2	<i>Serranus atrobranchus</i>
497	87B1	M	2	1	94	3	<i>Raja texana</i>
498	87B1	M	2	2	81	4	<i>Symphurus diomedianus</i>
499	87B1	M	2	2	51	5	<i>Halieutichthys aculeatus</i>
500	87B1	M	2	1	48	5	<i>Prionotus stearnsi</i>
501	87B1	M	2	1	13	5	<i>Stenotomus caprinus</i>
502	87B1	M	2	1	45	7	<i>Bellator militaris</i>
503	87B1	M	2	1	214	7	<i>Symphurus parvus</i>
504	87B1	M	2	1	65	7	<i>Synodus foetens</i>
505	87B1	M	2	1	90	13	<i>Pristipomoides aquilonaris</i>
506	87B1	M	2	1	51	14	<i>Halieutichthys aculeatus</i>
507	87B1	M	2	1	145	15	<i>Syacium papillosum</i>
508	87B1	M	2	1	264	23	<i>Etropus rimosus</i>
509	87B1	M	2	2	59	60	<i>Porichthys plectrodon</i>
510	87B1	M	2	1	60	65	<i>Saurida brasiliensis</i>
511	87B1	M	3	2	119	1	<i>Brotula barbata</i>
512	87B1	M	3	2	129	1	<i>Caulolatilus intermedius</i>
513	87B1	M	3	2	5	1	<i>Cynoscion arenarius</i>
514	87B1	M	3	1	139	1	<i>Hildebrandia flava</i>
515	87B1	M	3	2	139	1	<i>Hildebrandia flava</i>
516	87B1	M	3	1	176	1	<i>Hoplunnis macrurus</i>
517	87B1	M	3	1	163	1	<i>Hoplunnis tenuis</i>
518	87B1	M	3	2	54	1	<i>Lepophidium jeannae</i>
519	87B1	M	3	2	217	1	<i>Neobythites gilli</i>
520	87B1	M	3	1	204	1	<i>Ogcocephalus corniger</i>
521	87B1	M	3	2	188	1	<i>Physiculus fulvus</i>
522	87B1	M	3	1	47	1	<i>Prionotus rubio</i>
523	87B1	M	3	2	80	1	<i>Symphurus civitatus</i>
524	87B1	M	3	1	245	1	<i>Symphurus piger</i>
525	87B1	M	3	1	65	1	<i>Synodus foetens</i>
526	87B1	M	3	1	118	1	Unidentified species
527	87B1	M	3	2	157	1	<i>Urophycis cirrata</i>
528	87B1	M	3	1	49	2	<i>Centropristis philadelphica</i>
529	87B1	M	3	2	42	2	<i>Etropus crossotus</i>
530	87B1	M	3	1	62	2	<i>Serranus atrobranchus</i>
531	87B1	M	3	2	230	3	<i>Bembrops anatirostris</i>

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
532	87B1	M	3	2	90	3	Pristipomoides aquilonaris
533	87B1	M	3	1	33	3	Urophycis floridana
534	87B1	M	3	2	44	4	Gymnachirus texae
535	87B1	M	3	2	4	4	Micropogonias undulatus
536	87B1	M	3	1	57	4	Ogcocephalus declivirostris
537	87B1	M	3	1	105	4	Pontinus longispinis
538	87B1	M	3	2	105	5	Pontinus longispinis
539	87B1	M	3	2	81	5	Symphurus diomedianus
540	87B1	M	3	2	163	6	Hoplunnis tenuis
541	87B1	M	3	2	33	6	Urophycis floridana
542	87B1	M	3	1	59	7	Porichthys plectrodon
543	87B1	M	3	1	77	8	Trichopsetta ventralis
544	87B1	M	3	2	49	10	Centropristis philadelphia
545	87B1	M	3	2	77	11	Trichopsetta ventralis
546	87B1	M	3	2	47	12	Prionotus rubio
547	87B1	M	3	2	239	13	Ogcocephalus parvus
548	87B1	M	3	2	13	14	Stenotomus caprinus
549	87B1	M	3	2	62	21	Serranus atrobranchus
550	87B1	M	3	2	46	23	Prionotus paralatus
551	87B1	M	3	2	51	26	Halieutichthys aculeatus
552	87B1	M	3	2	59	27	Porichthys plectrodon
553	87B1	M	4	3	230	1	Bembrops anatiostris
554	87B1	M	4	1	230	1	Bembrops anatiostris
555	87B1	M	4	1	119	1	Brotula barbata
556	87B1	M	4	1	49	1	Centropristis philadelphia
557	87B1	M	4	1	51	1	Halieutichthys aculeatus
558	87B1	M	4	1	176	1	Hoplunnis macrurus
559	87B1	M	4	3	265	1	Macrorhamphosus scolopax
560	87B1	M	4	3	170	1	Myrophis punctatus
561	87B1	M	4	3	217	1	Neobythites gilli
562	87B1	M	4	1	57	1	Ogcocephalus declivirostris
563	87B1	M	4	1	168	1	Peristedion gracile
564	87B1	M	4	3	59	1	Porichthys plectrodon
565	87B1	M	4	3	47	1	Prionotus rubio
566	87B1	M	4	1	33	1	Urophycis floridana
567	87B1	M	4	1	152	2	Antennarius radiosus
568	87B1	M	4	1	230	2	Bembrops anatiostris
569	87B1	M	4	3	231	2	Coelorhynchus caribbaeus
570	87B1	M	4	1	217	2	Neobythites gilli
571	87B1	M	4	1	74	2	Paralichthys albigutta
572	87B1	M	4	1	62	2	Serranus atrobranchus
573	87B1	M	4	1	245	2	Symphurus piger
574	87B1	M	4	1	13	3	Stenotomus caprinus
575	87B1	M	4	1	77	5	Trichopsetta ventralis
576	87B1	M	4	1	157	5	Urophycis cirrata
577	87B1	M	4	1	59	7	Porichthys plectrodon
578	87B1	M	4	1	224	11	Monolene sessilicauda
579	87B1	M	4	1	105	13	Pontinus longispinis
580	87B1	M	4	1	231	42	Coelorhynchus caribbaeus
581	87B2	C	1	1	152	1	Antennarius radiosus
582	87B2	C	1	2	36	1	Archosargus probatocephalus
583	87B2	C	1	2	5	1	Cynoscion arenarius
584	87B2	C	1	1	58	1	Ophidion welshi

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
585	87B2	C	1	2	58	1	Ophidion welshi
586	87B2	C	1	1	71	1	Prionotus longispinosus
587	87B2	C	1	1	60	1	Saurida brasiliensis
588	87B2	C	1	2	60	1	Saurida brasiliensis
589	87B2	C	1	2	61	1	Scorpaena calcarata
590	87B2	C	1	1	138	1	Serraniculus pumilio
591	87B2	C	1	2	65	1	Synodus foetens
592	87B2	C	1	2	14	1	Trichiurus lepturus
593	87B2	C	1	1	248	1	Zalieutes mcgintyi
594	87B2	C	1	2	38	2	Ancylopsetta quadrocellata
595	87B2	C	1	2	152	2	Antennarius radiosus
596	87B2	C	1	2	10	2	Ariopsis felis
597	87B2	C	1	1	42	2	Etropus crossotus
598	87B2	C	1	1	239	2	Ogcocephalus parvus
599	87B2	C	1	1	72	2	Prionotus tribulus
600	87B2	C	1	2	43	3	Syacium gunteri
601	87B2	C	1	1	64	4	Sphoeroides parvus
602	87B2	C	1	2	64	4	Sphoeroides parvus
603	87B2	C	1	2	42	5	Etropus crossotus
604	87B2	C	1	1	82	6	Symphurus plagiusa
605	87B2	C	1	2	239	8	Ogcocephalus parvus
606	87B2	C	1	2	82	11	Symphurus plagiusa
607	87B2	C	1	1	13	15	Stenotomus caprinus
608	87B2	C	1	1	20	21	Anchoa hepsetus
609	87B2	C	1	2	51	21	Halieutichthys aculeatus
610	87B2	C	1	1	62	21	Serranus atrobranchus
611	87B2	C	1	2	13	25	Stenotomus caprinus
612	87B2	C	1	1	51	29	Halieutichthys aculeatus
613	87B2	C	1	2	20	40	Anchoa hepsetus
614	87B2	C	1	2	50	49	Diplectrum bivittatum
615	87B2	C	1	1	11	63	Peprilus burti
616	87B2	C	1	1	21	125	Anchoa mitchelli
617	87B2	C	1	2	11	177	Peprilus burti
618	87B2	C	1	2	21	180	Anchoa mitchelli
619	87B2	C	2	1	49	1	Centropristis philadelphica
620	87B2	C	2	2	5	1	Cynoscion arenarius
621	87B2	C	2	2	41	1	Engyophrys senta
622	87B2	C	2	1	255	1	Equetus Spp.
623	87B2	C	2	1	310	1	Neoconger mucronatus
624	87B2	C	2	2	11	1	Peprilus burti
625	87B2	C	2	1	59	1	Porichthys plectrodon
626	87B2	C	2	2	48	1	Prionotus stearnsi
627	87B2	C	2	2	72	1	Prionotus tribulus
628	87B2	C	2	1	61	1	Scorpaena calcarata
629	87B2	C	2	2	62	1	Serranus atrobranchus
630	87B2	C	2	1	64	1	Sphoeroides parvus
631	87B2	C	2	2	43	1	Syacium gunteri
632	87B2	C	2	1	43	1	Syacium gunteri
633	87B2	C	2	1	82	1	Symphurus plagiusa
634	87B2	C	2	2	118	1	Unidentified species
635	87B2	C	2	1	157	1	Urophycis cirrata
636	87B2	C	2	1	45	2	Bellator militaris
637	87B2	C	2	1	5	2	Cynoscion arenarius

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
638	87B2	C	2	1	51	2	Halieutichthys aculeatus
639	87B2	C	2	1	145	2	Syacium papillosum
640	87B2	C	2	2	80	2	Symphurus civitatus
641	87B2	C	2	2	152	3	Antennarius radiosus
642	87B2	C	2	1	85	3	Bollmannia communis
643	87B2	C	2	1	62	3	Serranus atrobranchus
644	87B2	C	2	1	65	3	Synodus foetens
645	87B2	C	2	1	152	5	Antennarius radiosus
646	87B2	C	2	1	11	5	Peprilus burti
647	87B2	C	2	2	60	5	Saurida brasiliensis
648	87B2	C	2	2	302	9	Bathygobius soporator
649	87B2	C	2	1	13	11	Stenotomus caprinus
650	87B2	C	2	1	60	18	Saurida brasiliensis
651	87B2	C	3	1	73	1	Ancylopsetta dilecta
652	87B2	C	3	1	152	1	Antennarius radiosus
653	87B2	C	3	2	277	1	Bathygadus melanobranchus
654	87B2	C	3	1	230	1	Bembrops anatrostris
655	87B2	C	3	1	119	1	Brotula barbata
656	87B2	C	3	2	204	1	Ogcocephalus corniger
657	87B2	C	3	2	312	1	Pareques sp.
658	87B2	C	3	2	188	1	Physiculus fulvus
659	87B2	C	3	1	47	1	Prionotus rubio
660	87B2	C	3	1	240	1	Raja olseni
661	87B2	C	3	2	81	1	Symphurus diomedianus
662	87B2	C	3	2	65	1	Synodus foetens
663	87B2	C	3	2	270	1	Trichopsetta sp.
664	87B2	C	3	2	157	1	Urophycis cirrata
665	87B2	C	3	2	33	1	Urophycis floridana
666	87B2	C	3	2	230	2	Bembrops anatrostris
667	87B2	C	3	2	163	2	Hoplunnis tenuis
668	87B2	C	3	2	224	2	Monolene sessilcauda
669	87B2	C	3	1	217	2	Neobythites gilli
670	87B2	C	3	1	169	2	Paralichthys squamilentus
671	87B2	C	3	2	47	2	Prionotus rubio
672	87B2	C	3	1	80	2	Symphurus civitatus
673	87B2	C	3	2	119	3	Brotula barbata
674	87B2	C	3	2	73	4	Ancylopsetta dilecta
675	87B2	C	3	2	152	4	Antennarius radiosus
676	87B2	C	3	2	49	4	Centropristis philadelphica
677	87B2	C	3	1	224	4	Monolene sessilcauda
678	87B2	C	3	1	49	5	Centropristis philadelphica
679	87B2	C	3	1	139	5	Hildebrandia flava
680	87B2	C	3	2	123	6	Hemanthias leptus
681	87B2	C	3	2	217	8	Neobythites gilli
682	87B2	C	3	2	80	8	Symphurus civitatus
683	87B2	C	3	2	279	8	Synagrops bellus
684	87B2	C	3	1	57	10	Ogcocephalus declivirostris
685	87B2	C	3	1	59	10	Porichthys plectrodon
686	87B2	C	3	2	139	11	Hildebrandia flava
687	87B2	C	3	2	59	12	Porichthys plectrodon
688	87B2	C	3	2	105	14	Pontinus longispinis
689	87B2	C	3	2	57	21	Ogcocephalus declivirostris
690	87B2	C	3	1	62	28	Serranus atrobranchus

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
691	87B2	C	3	2	51	31	<i>Halieutichthys aculeatus</i>
692	87B2	C	3	2	62	47	<i>Serranus atrobranchus</i>
693	87B2	C	3	1	77	48	<i>Trichopsetta ventralis</i>
694	87B2	C	3	2	77	54	<i>Trichopsetta ventralis</i>
695	87B2	C	3	1	51	78	<i>Halieutichthys aculeatus</i>
696	87B2	C	4	2	73	1	<i>Ancylopsetta dilecta</i>
697	87B2	C	4	2	119	1	<i>Brotula barbata</i>
698	87B2	C	4	2	5	1	<i>Cynoscion arenarius</i>
699	87B2	C	4	1	139	1	<i>Hildebrandia flava</i>
700	87B2	C	4	2	139	1	<i>Hildebrandia flava</i>
701	87B2	C	4	1	228	1	<i>Lepophidium graellsii</i>
702	87B2	C	4	1	180	1	<i>Neomerinthe hemingwayi</i>
703	87B2	C	4	1	169	1	<i>Paralichthys squamilentus</i>
704	87B2	C	4	2	188	1	<i>Physiculus fulvus</i>
705	87B2	C	4	2	240	1	<i>Raja olseni</i>
706	87B2	C	4	2	157	1	<i>Urophycis cirrata</i>
707	87B2	C	4	1	73	2	<i>Ancylopsetta dilecta</i>
708	87B2	C	4	1	152	2	<i>Antennarius radiosus</i>
709	87B2	C	4	2	152	2	<i>Antennarius radiosus</i>
710	87B2	C	4	1	163	2	<i>Hoplunnis tenuis</i>
711	87B2	C	4	1	217	2	<i>Neobythites gilli</i>
712	87B2	C	4	2	217	2	<i>Neobythites gilli</i>
713	87B2	C	4	1	77	2	<i>Trichopsetta ventralis</i>
714	87B2	C	4	2	230	3	<i>Bembrops anatrostris</i>
715	87B2	C	4	2	49	3	<i>Centropristis philadelphica</i>
716	87B2	C	4	2	44	3	<i>Gymnachirus texae</i>
717	87B2	C	4	1	170	3	<i>Myrophis punctatus</i>
718	87B2	C	4	2	59	3	<i>Porichthys plectrodon</i>
719	87B2	C	4	1	230	5	<i>Bembrops anatrostris</i>
720	87B2	C	4	1	80	10	<i>Symphurus civitatus</i>
721	87B2	C	4	1	157	10	<i>Urophycis cirrata</i>
722	87B2	C	4	2	224	11	<i>Monolene sessilicauda</i>
723	87B2	C	4	2	80	11	<i>Symphurus civitatus</i>
724	87B2	C	4	2	77	16	<i>Trichopsetta ventralis</i>
725	87B2	C	4	1	224	20	<i>Monolene sessilicauda</i>
726	87B2	C	4	1	277	23	<i>Bathygadus melanobranchus</i>
727	87B2	C	4	2	232	26	<i>Bathygadus macrops</i>
728	87B2	C	4	2	231	30	<i>Coelorhynchus caribbaeus</i>
729	87B2	C	4	2	105	45	<i>Pontinus longispinis</i>
730	87B2	C	4	1	105	64	<i>Pontinus longispinis</i>
731	87B2	C	4	1	231	235	<i>Coelorhynchus caribbaeus</i>
732	87B2	D	1	2	183	1	<i>Aluterus schoepfi</i>
733	87B2	D	1	1	10	1	<i>Ariopsis felis</i>
734	87B2	D	1	2	241	1	<i>Diplectrum formosum</i>
735	87B2	D	1	1	264	1	<i>Etropus rimosus</i>
736	87B2	D	1	2	307	1	<i>Ophidion beani</i>
737	87B2	D	1	1	262	1	<i>Raja eglanteria</i>
738	87B2	D	1	1	65	1	<i>Synodus foetens</i>
739	87B2	D	1	2	155	1	<i>Trachinocephalus myops</i>
740	87B2	D	1	2	10	2	<i>Ariopsis felis</i>
741	87B2	D	1	2	263	2	<i>Etropus microstomus</i>
742	87B2	D	1	1	145	2	<i>Syacium papillosum</i>
743	87B2	D	1	1	76	3	<i>Citharichthys macrops</i>

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
744	87B2	D	1	1	263	3	<i>Etropus microstomus</i>
745	87B2	D	1	1	28	6	<i>Orthopristis chrysoptera</i>
746	87B2	D	1	2	33	6	<i>Urophycis floridana</i>
747	87B2	D	1	1	50	7	<i>Diplectrum bivittatum</i>
748	87B2	D	1	2	137	7	<i>Prionotus scitulus</i>
749	87B2	D	1	2	13	7	<i>Stenotomus caprinus</i>
750	87B2	D	1	1	33	8	<i>Urophycis floridana</i>
751	87B2	D	1	1	13	9	<i>Stenotomus caprinus</i>
752	87B2	D	1	1	137	29	<i>Prionotus scitulus</i>
753	87B2	D	2	1	187	1	<i>Kathetostoma albigutta</i>
754	87B2	D	2	2	239	1	<i>Ogcocephalus parvus</i>
755	87B2	D	2	2	280	1	<i>Poecilopsetta beani</i>
756	87B2	D	2	1	292	1	<i>Prionotus alatus</i>
757	87B2	D	2	1	61	1	<i>Scorpaena calcarata</i>
758	87B2	D	2	2	61	1	<i>Scorpaena calcarata</i>
759	87B2	D	2	1	106	1	<i>Scorpaena dispar</i>
760	87B2	D	2	2	145	1	<i>Syacium papillosum</i>
761	87B2	D	2	2	300	1	<i>Synodus intermedius</i>
762	87B2	D	2	2	71	2	<i>Prionotus longispinosus</i>
763	87B2	D	2	1	152	3	<i>Antennarius radiosus</i>
764	87B2	D	2	2	70	4	<i>Prionotus roseus</i>
765	87B2	D	2	1	162	6	<i>Centropristis ocyurus</i>
766	87B2	D	2	1	145	6	<i>Syacium papillosum</i>
767	87B2	D	2	1	254	8	<i>Serranus notospilus</i>
768	87B2	D	2	1	51	9	<i>Halieutichthys aculeatus</i>
769	87B2	D	2	1	71	18	<i>Prionotus longispinosus</i>
770	87B2	D	2	1	300	18	<i>Synodus intermedius</i>
771	87B2	D	2	1	70	37	<i>Prionotus roseus</i>
772	87B2	D	3	1	277	1	<i>Bathygadus melanobranchus</i>
773	87B2	D	3	1	305	1	<i>Equetus acuminatus</i>
774	87B2	D	3	2	260	1	<i>Equetus lanceolatus</i>
775	87B2	D	3	2	111	1	<i>Equetus umbrosus</i>
776	87B2	D	3	2	255	1	<i>Equetus Spp.</i>
777	87B2	D	3	1	283	1	<i>Gymnachirus melas</i>
778	87B2	D	3	2	187	1	<i>Kathetostoma albigutta</i>
779	87B2	D	3	1	54	1	<i>Lepophidium jeannae</i>
780	87B2	D	3	2	54	1	<i>Lepophidium jeannae</i>
781	87B2	D	3	1	224	1	<i>Monolene sessilicauda</i>
782	87B2	D	3	2	28	1	<i>Orthopristis chrysoptera</i>
783	87B2	D	3	1	169	1	<i>Paralichthys squamilentus</i>
784	87B2	D	3	1	105	1	<i>Pontinus longispinis</i>
785	87B2	D	3	1	59	1	<i>Porichthys plectrodon</i>
786	87B2	D	3	1	306	1	<i>Saurida normani</i>
787	87B2	D	3	2	218	2	<i>Cyclopsetta fimbriata</i>
788	87B2	D	3	2	304	2	<i>Gymnothorax ocellatus</i>
789	87B2	D	3	1	187	2	<i>Kathetostoma albigutta</i>
790	87B2	D	3	1	228	2	<i>Lepophidium graellsii</i>
791	87B2	D	3	2	59	2	<i>Porichthys plectrodon</i>
792	87B2	D	3	2	300	2	<i>Synodus intermedius</i>
793	87B2	D	3	1	33	2	<i>Urophycis floridana</i>
794	87B2	D	3	2	33	2	<i>Urophycis floridana</i>
795	87B2	D	3	1	279	3	<i>Synagrops bellus</i>
796	87B2	D	3	1	97	5	<i>Gymnothorax nigromarginatu</i>

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
797	87B2	D	3	1	298	5	<i>Polyipnus asteroides</i>
798	87B2	D	3	2	292	5	<i>Prionotus alatus</i>
799	87B2	D	3	1	90	5	<i>Pristipomoides aquilonaris</i>
800	87B2	D	3	2	145	5	<i>Syacium papillosum</i>
801	87B2	D	3	1	292	6	<i>Prionotus alatus</i>
802	87B2	D	3	1	51	7	<i>Halieutichthys aculeatus</i>
803	87B2	D	3	2	51	8	<i>Halieutichthys aculeatus</i>
804	87B2	D	3	1	145	10	<i>Syacium papillosum</i>
805	87B2	D	3	1	250	12	<i>Scorpaena agassizi</i>
806	87B2	D	3	2	303	13	<i>Scorpaena brasiliensis</i>
807	87B2	D	3	2	90	30	<i>Pristipomoides aquilonaris</i>
808	87B2	D	3	2	254	33	<i>Serranus notospilus</i>
809	87B2	D	3	1	254	37	<i>Serranus notospilus</i>
810	87B2	D	4	1	294	1	<i>Argentina striata</i>
811	87B2	D	4	2	294	1	<i>Argentina striata</i>
812	87B2	D	4	2	299	1	<i>Echiostoma</i> spp.
813	87B2	D	4	1	296	1	<i>Gnathagnus egregius</i>
814	87B2	D	4	2	228	1	<i>Lepophidium graellsii</i>
815	87B2	D	4	1	295	1	<i>Merluccius albidus</i>
816	87B2	D	4	2	224	1	<i>Monolene sessilicauda</i>
817	87B2	D	4	2	217	1	<i>Neobythites gilli</i>
818	87B2	D	4	1	219	1	<i>Nettastomatid</i> eel
819	87B2	D	4	1	13	1	<i>Stenotomus caprinus</i>
820	87B2	D	4	2	14	1	<i>Trichiurus lepturus</i>
821	87B2	D	4	2	248	1	<i>Zalieutes mcgintyi</i>
822	87B2	D	4	1	219	2	<i>Nettastomatid</i> eel
823	87B2	D	4	2	219	2	<i>Nettastomatid</i> eel
824	87B2	D	4	2	33	2	<i>Urophycis floridana</i>
825	87B2	D	4	2	229	3	<i>Polymixia lowei</i>
826	87B2	D	4	2	105	3	<i>Pontinus longispinis</i>
827	87B2	D	4	1	217	4	<i>Neobythites gilli</i>
828	87B2	D	4	2	297	4	<i>Parasudis truculentus</i>
829	87B2	D	4	1	105	4	<i>Pontinus longispinis</i>
830	87B2	D	4	1	33	4	<i>Urophycis floridana</i>
831	87B2	D	4	2	230	5	<i>Bembrops anatirostris</i>
832	87B2	D	4	1	224	5	<i>Monolene sessilicauda</i>
833	87B2	D	4	2	280	5	<i>Poecilopsetta beani</i>
834	87B2	D	4	1	248	6	<i>Zalieutes mcgintyi</i>
835	87B2	D	4	1	265	7	<i>Macrorhamphosus scolopax</i>
836	87B2	D	4	2	232	8	<i>Bathygadus macrops</i>
837	87B2	D	4	1	297	9	<i>Parasudis truculentus</i>
838	87B2	D	4	1	280	9	<i>Poecilopsetta beani</i>
839	87B2	D	4	1	230	14	<i>Bembrops anatirostris</i>
840	87B2	D	4	2	231	16	<i>Coelorhynchus caribbaeus</i>
841	87B2	D	4	2	298	16	<i>Polyipnus asteroides</i>
842	87B2	D	4	1	232	24	<i>Bathygadus macrops</i>
843	87B2	D	4	1	231	36	<i>Coelorhynchus caribbaeus</i>
844	87B2	D	4	1	298	59	<i>Polyipnus asteroides</i>
845	87B2	M	1	1	226	1	<i>Ariosoma balearicum</i>
846	87B2	M	1	1	76	1	<i>Citharichthys macrops</i>
847	87B2	M	1	1	264	1	<i>Etropus rimosus</i>
848	87B2	M	1	2	132	1	<i>Eucinostomus argenteus</i>
849	87B2	M	1	1	51	1	<i>Halieutichthys aculeatus</i>

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
850	87B2	M	1	1	244	1	Lepophidium spp.
851	87B2	M	1	1	203	1	Ogcocephalus pantostictus
852	87B2	M	1	1	159	1	Ophidion holbrooki
853	87B2	M	1	2	58	1	Ophidion welshi
854	87B2	M	1	2	31	1	Scomberomorus maculatus
855	87B2	M	1	1	138	1	Serraniculus pumilio
856	87B2	M	1	1	43	1	Syacium gunteri
857	87B2	M	1	1	82	1	Symphurus plagiusa
858	87B2	M	1	1	121	1	Syngnathus louisianae
859	87B2	M	1	1	65	1	Synodus foetens
860	87B2	M	1	1	33	1	Urophycis floridana
861	87B2	M	1	1	42	2	Etropus crossotus
862	87B2	M	1	2	263	2	Etropus microstomus
863	87B2	M	1	2	137	2	Prionotus scitulus
864	87B2	M	1	2	64	2	Sphoeroides parvus
865	87B2	M	1	1	10	3	Ariopsis felis
866	87B2	M	1	1	58	3	Ophidion welshi
867	87B2	M	1	2	28	3	Orthopristis chrysoptera
868	87B2	M	1	1	61	3	Scorpaena calcarata
869	87B2	M	1	2	82	3	Symphurus plagiusa
870	87B2	M	1	2	65	3	Synodus foetens
871	87B2	M	1	2	20	4	Anchoa hepsetus
872	87B2	M	1	1	64	4	Sphoeroides parvus
873	87B2	M	1	2	145	4	Syacium papillosum
874	87B2	M	1	2	62	5	Serranus atrobranchus
875	87B2	M	1	1	145	5	Syacium papillosum
876	87B2	M	1	1	28	6	Orthopristis chrysoptera
877	87B2	M	1	1	71	6	Prionotus longispinosus
878	87B2	M	1	1	80	6	Symphurus civitatus
879	87B2	M	1	1	137	8	Prionotus scitulus
880	87B2	M	1	1	263	11	Etropus microstomus
881	87B2	M	1	1	20	13	Anchoa hepsetus
882	87B2	M	1	1	62	22	Serranus atrobranchus
883	87B2	M	1	1	11	28	Peprilus burti
884	87B2	M	2	1	236	1	Unidentified species
885	87B2	M	2	2	152	1	Antennarius radiosus
886	87B2	M	2	1	152	1	Antennarius radiosus
887	87B2	M	2	2	119	1	Brotula barbata
888	87B2	M	2	1	309	1	Citharichthys cornutus
889	87B2	M	2	2	40	1	Cyclopsetta chittendeni
890	87B2	M	2	2	41	1	Engyophrys senta
891	87B2	M	2	1	255	1	Equetus Spp.
892	87B2	M	2	1	42	1	Etropus crossotus
893	87B2	M	2	1	158	1	Hippocampus erectus
894	87B2	M	2	1	217	1	Neobythites gilli
895	87B2	M	2	1	203	1	Ogcocephalus pantostictus
896	87B2	M	2	2	285	1	Ophichthus ocellatus
897	87B2	M	2	2	59	1	Porichthys plectrodon
898	87B2	M	2	1	59	1	Porichthys plectrodon
899	87B2	M	2	2	292	1	Prionotus alatus
900	87B2	M	2	2	69	1	Prionotus ophryas
901	87B2	M	2	1	69	1	Prionotus ophryas
902	87B2	M	2	1	70	1	Prionotus roseus

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
903	87B2	M	2	2	47	1	Prionotus rubio
904	87B2	M	2	1	48	1	Prionotus stearnsi
905	87B2	M	2	2	60	1	Saurida brasiliensis
906	87B2	M	2	1	60	1	Saurida brasiliensis
907	87B2	M	2	1	62	1	Serranus atrobranchus
908	87B2	M	2	2	64	1	Sphoeroides parvus
909	87B2	M	2	1	64	1	Sphoeroides parvus
910	87B2	M	2	2	214	1	Symphurus parvus
911	87B2	M	2	1	157	1	Urophycis cirrata
912	87B2	M	2	2	68	2	Bregmaceros atlanticus
913	87B2	M	2	1	41	2	Engyophrys senta
914	87B2	M	2	2	54	2	Lepophidium jeannae
915	87B2	M	2	1	239	2	Ogcocephalus parvus
916	87B2	M	2	2	70	2	Prionotus roseus
917	87B2	M	2	1	81	2	Symphurus diomedianus
918	87B2	M	2	2	65	2	Synodus foetens
919	87B2	M	2	1	119	3	Brotula barbata
920	87B2	M	2	1	263	3	Etropus microstomus
921	87B2	M	2	2	51	3	Halieutichthys aculeatus
922	87B2	M	2	2	163	3	Hoplunnis tenuis
923	87B2	M	2	1	288	3	Serranus spp.
924	87B2	M	2	1	65	3	Synodus foetens
925	87B2	M	2	1	336	5	Unidentified species
926	87B2	M	2	1	264	5	Etropus rimosus
927	87B2	M	2	1	49	6	Centropristis philadelphia
928	87B2	M	2	2	71	6	Prionotus longispinosus
929	87B2	M	2	1	71	8	Prionotus longispinosus
930	87B2	M	2	2	263	9	Etropus microstomus
931	87B2	M	2	1	145	9	Syacium papillosum
932	87B2	M	2	1	214	9	Symphurus parvus
933	87B2	M	2	1	54	10	Lepophidium jeannae
934	87B2	M	2	2	61	10	Scorpaena calcarata
935	87B2	M	2	1	61	18	Scorpaena calcarata
936	87B2	M	2	2	145	18	Syacium papillosum
937	87B2	M	2	1	51	23	Halieutichthys aculeatus
938	87B2	M	2	2	45	24	Bellator militaris
939	87B2	M	2	1	13	34	Stenotomus caprinus
940	87B2	M	2	1	45	37	Bellator militaris
941	87B2	M	2	2	13	40	Stenotomus caprinus
942	87B2	M	3	2	152	1	Antennarius radiosus
943	87B2	M	3	2	230	1	Bembrops anatrostris
944	87B2	M	3	2	49	1	Centropristis philadelphia
945	87B2	M	3	2	44	1	Gymnachirus texae
946	87B2	M	3	1	139	1	Hildebrandia flava
947	87B2	M	3	2	139	1	Hildebrandia flava
948	87B2	M	3	1	227	1	Hildebrandia gracilior
949	87B2	M	3	1	187	1	Kathetostoma albigutta
950	87B2	M	3	1	17	1	Leiostomus xanthurus
951	87B2	M	3	2	4	1	Micropogonias undulatus
952	87B2	M	3	2	204	1	Ogcocephalus corniger
953	87B2	M	3	1	57	1	Ogcocephalus declivirostris
954	87B2	M	3	2	225	1	Ogcocephalus nasutus
955	87B2	M	3	2	239	1	Ogcocephalus parvus

DEMERSAL FISHES

Obs	Cruise	Tran	Station	Trawl	Spp	Abund	Sppname
956	87B2	M	3	2	168	1	Peristedion gracile
957	87B2	M	3	2	105	1	Pontinus longispinis
958	87B2	M	3	2	47	1	Prionotus rubio
959	87B2	M	3	2	48	1	Prionotus stearnsi
960	87B2	M	3	2	90	1	Pristipomoides aquilonaris
961	87B2	M	3	2	13	1	Stenotomus caprinus
962	87B2	M	3	1	33	1	Urophycis floridana
963	87B2	M	3	2	33	1	Urophycis floridana
964	87B2	M	3	1	49	2	Centropristis philadelphia
965	87B2	M	3	2	51	2	Halieutichthys aculeatus
966	87B2	M	3	2	176	2	Hoplunnis macrurus
967	87B2	M	3	2	54	2	Lepophidium jeannae
968	87B2	M	3	1	224	2	Monolene sessilicauda
969	87B2	M	3	2	292	2	Prionotus alatus
970	87B2	M	3	2	62	2	Serranus atrobranchus
971	87B2	M	3	2	231	3	Coelorhynchus caribbaeus
972	87B2	M	3	1	169	3	Paralichthys squamilentus
973	87B2	M	3	1	188	3	Physiculus fulvus
974	87B2	M	3	2	188	3	Physiculus fulvus
975	87B2	M	3	2	81	3	Symphurus diomedianus
976	87B2	M	3	1	77	3	Trichopsetta ventralis
977	87B2	M	3	1	230	4	Bembrops anatiostris
978	87B2	M	3	2	161	4	Dactylopterus volitans
979	87B2	M	3	1	44	4	Gymnachirus texae
980	87B2	M	3	1	163	4	Hoplunnis tenuis
981	87B2	M	3	2	217	4	Neobythites gilli
982	87B2	M	3	2	61	4	Scorpaena calcarata
983	87B2	M	3	2	77	4	Trichopsetta ventralis
984	87B2	M	3	2	157	4	Urophycis cirrata
985	87B2	M	3	2	163	5	Hoplunnis tenuis
986	87B2	M	3	2	59	5	Porichthys plectrodon
987	87B2	M	3	1	81	5	Symphurus diomedianus
988	87B2	M	3	1	157	5	Urophycis cirrata
989	87B2	M	3	1	164	6	Citharichthys cornutus
990	87B2	M	3	1	54	6	Lepophidium jeannae

APPENDIX C

PHYSICAL OCEANOGRAPHY/WATER COLUMN CHARACTERIZATION

Nutrient and Hydrographic Data

Nutrient and Hydrographic Data

CRUISE	TRANSECT* STATION	DEPTH (m)	PO4-P ($\mu\text{M}/\text{kg}$)	NO3 ($\mu\text{M}/\text{kg}$)	NO2 ($\mu\text{M}/\text{kg}$)	SiO4 ($\mu\text{M}/\text{kg}$)	OXYGEN (mg/l)
0	C-1	3	0.13	1.32	0.13	2.66	6.314
0		6	0.13	0.14	0.14	2.05	6.306
0		10	0.14	0.19	0.14	1.53	6.111
0		14	0.14	0.18	0.15	2.05	5.975
0		18	0.29	0.06	0.69	3.19	5.182
0	C-2	4	0.19	1.47	0.40	4.50	6.114
0		5	0.18	1.44	0.39	4.50	6.164
0		10	0.23	2.59	1.04	4.61	5.415
0		15	0.21	2.06	0.78	3.30	5.040
0		21	0.19	1.80	0.67	2.99	4.914
0		29	0.20	1.52	0.57	2.77	4.775
0		39	0.29	3.67	0.26	3.51	4.335
0		47	0.36	5.14	0.21	3.54	3.977
0	C-3	3	0.10	0.47	0.27	1.50	6.005
0		10	0.17	2.01	0.43	2.93	5.901
0		20	0.18	1.81	0.50	2.73	4.870
0		30	0.19	2.45	0.45	2.93	4.836
0		40	0.27	4.70	0.26	3.58	4.629
0		50	0.46	7.43	0.16	4.85	4.191
0		60	0.54	9.85	0.17	4.39	3.613
0		70	0.63	11.70	0.17	4.89	3.267
0		80	0.71	12.80	0.19	5.27	3.062
0		90	0.88	14.50	0.22	6.55	3.055
0		105	0.94	15.10	0.25	7.24	3.096
0		117	0.14	0.43	0.31	1.69	3.108
0	C-4	20	0.20	1.59	0.59	2.86	4.945
0		30	0.20	1.55	0.49	2.64	4.842
0		40	0.11	0.68	0.62	2.06	4.880
0		60	0.15	0.74	0.59	2.17	4.867
0		80	0.50	8.09	0.20	4.16	3.328
0		100	0.67	10.80	0.19	4.78	3.111
0		125	0.76	12.40	0.18	5.43	3.103
0		150	0.84	13.50	0.18	5.83	3.137
0		175	0.99	15.10	0.25	7.13	3.075
0		195	1.15	16.60	0.28	8.33	2.990
0	M-1	4	0.18	0.29	0.14	8.99	6.443

C-5

*Location of Transect Stations for Cruises 3 and 4 found on pages C-39 to C-55 and C-56 to C-70.

Nutrient and Hydrographic Data

CRUISE	TRANSECT* STATION	DEPTH (m)	PO4-P (μM/kg)	NO3 (μM/kg)	NO2 (μM/kg)	SiO4 (μM/kg)	OXYGEN (mg/l)
0		5	0.17	0.03	0.14	8.92	6.417
0		10	0.19	0.17	0.50	3.16	5.444
0		15	0.23	0.18	0.73	2.46	5.282
0		17	0.23	0.68	0.73	2.46	5.295
0	M-2	5	0.17	0.12	0.18	1.49	6.423
0		16	0.19	1.16	0.36	2.59	5.860
0		25	0.24	2.68	0.68	3.77	4.828
0		35	0.32	4.37	0.27	3.77	4.112
0		46	0.49	4.97	0.26	4.10	3.977
0		57	0.44	5.46	0.32	4.51	3.868
0	M-3	5	0.23	0.26	0.18	1.15	-----
0		15	0.25	1.77	0.50	1.99	5.665
0		25	0.17	1.21	0.49	1.99	4.839
0		35	0.15	1.11	0.41	2.02	4.815
0		44	0.17	1.04	0.59	1.99	4.801
0		54	0.15	1.05	0.54	1.92	4.812
0		65	0.15	1.00	0.48	1.92	4.804
0		75	0.19	1.16	0.50	1.95	4.787
0		85	0.21	2.23	0.54	2.36	4.539
0		97	0.70	11.00	0.22	5.26	3.353
0		104	0.95	15.20	0.18	6.77	3.063
0		115	0.97	15.50	0.19	6.74	3.019
0	M-4	5	0.16	0.08	0.16	1.23	6.716
0		10	0.16	0.19	0.19	1.23	6.382
0		20	0.17	0.51	0.78	2.46	4.782
0		40	0.14	0.60	0.62	2.32	4.811
0		60	0.15	0.83	0.53	2.42	4.763
0		80	0.17	1.15	0.59	2.42	4.733
0		100	0.61	8.84	0.21	4.45	3.127
0		120	0.77	11.80	0.21	5.78	3.142
0		140	1.05	16.00	0.21	7.93	3.046
0		160	1.34	19.10	0.21	9.46	2.934
0		180	1.34	19.90	0.22	9.79	2.889
0		196	1.30	20.20	0.23	10.10	2.928
0	D-1	4	0.17	0.08	0.08	5.17	6.296
0		5	0.49	0.24	0.24	5.14	6.292
0		10	0.36	0.13	0.13	2.39	-----

*Location of Transect Stations for Cruises 3 and 4 found on pages C-39 to C-55 and C-56 to C-70.

Nutrient and Hydrographic Data

CRUISE	TRANSECT* STATION	DEPTH (m)	PO4-P ($\mu\text{M}/\text{kg}$)	NO3 ($\mu\text{M}/\text{kg}$)	NO2 ($\mu\text{M}/\text{kg}$)	SiO4 ($\mu\text{M}/\text{kg}$)	OXYGEN (mg/l)
0		12	0.24	0.16	0.16	2.03	5.506
0		15	0.44	0.18	0.18	1.91	5.496
0	D-2	5	0.12	0.19	0.12	0.84	5.635
0		15	0.12	0.22	0.12	0.77	5.627
0		25	0.11	0.20	0.14	0.84	5.629
0		35	0.14	0.22	0.19	1.06	5.403
0		45	0.37	3.90	0.39	2.76	4.666
0		55	0.69	9.87	0.34	5.53	3.677
0	D-3	5	0.12	0.20	0.12	1.38	5.732
0		11	0.12	0.20	0.12	1.31	5.706
0		20	0.36	0.28	0.19	1.35	5.337
0		30	0.35	1.45	0.40	2.15	5.008
0		40	0.24	1.48	0.41	2.04	4.984
0		50	0.23	1.76	0.44	2.04	4.995
0		60	0.32	3.34	0.41	2.76	4.713
0		71	0.76	11.90	0.21	5.89	3.442
0		80	0.91	14.00	0.17	6.39	3.222
0		86	0.91	14.40	0.17	6.43	3.173
0	D-4	4	0.09	0.04	0.16	0.74	5.564
0		11	0.13	0.20	0.16	0.82	5.550
0		21	0.12	0.19	0.17	1.00	5.514
0		41	0.14	0.48	0.26	1.00	5.216
0		60	0.59	9.57	0.25	4.21	3.189
0		78	0.70	11.90	0.22	4.87	3.093
0		98	0.78	13.20	0.22	5.46	3.115
0		120	0.87	14.30	0.22	6.29	3.047
0		141	0.91	15.00	0.21	6.40	3.073
0		160	0.99	16.00	0.21	7.17	3.100
0		180	1.02	16.80	0.21	7.38	3.073
0		204	1.05	16.90	0.22	7.89	3.098
1	C-1	1.7	0.18	0.20	0.08	1.70	8.799
1		3.9	0.14	0.20	0.09	1.70	8.528
1		7.7	0.44	1.40	0.13	7.00	8.718
1		16.8	0.18	0.20	0.05	4.30	7.738*
1	C-2	2.5	0.27	0.20	0.07	3.00	7.450
1		15.0	0.23	0.20	0.06	2.50	7.366

C-7

*Location of Transect Stations for Cruises 3 and 4 found on pages C-39 to C-55 and C-56 to C-70.

Nutrient and Hydrographic Data

CRUISE	TRANSECT* STATION	DEPTH (m)	PO4-P (μ M/kg)	NO3 (μ M/kg)	NO2 (μ M/kg)	SiO4 (μ M/kg)	OXYGEN (mg/l)
1		25.0	0.19	0.20	0.10	5.00	6.315
1		34.0	0.08	0.20	0.08	3.90	6.812
1		46.0	0.31	0.70	0.09	13.20	4.699
1	C-3	2.0	0.20	0.20	0.06	2.30	7.771
1		20.0	0.12	0.20	0.06	1.30	7.423
1		61.0	0.11	0.20	0.09	2.40	6.088
1		80.0	0.22	3.90	0.16	7.60	4.775
1		102.0	0.33	8.10	0.07	5.40	4.618
1	C-4	3.0	0.28	0.20	0.09	2.40	7.218
1		25.0	0.10	0.10	0.08	1.10	6.953
1		51.0	0.11	2.00	0.06	1.90	6.668
1		103.0	0.28	0.20	0.17	8.20	4.807
1		153.0					4.687
1		186.0	0.87	13.70	0.08	7.00	4.819
1	M-1	2.0	0.15	0.10	0.06	3.10	8.501
1		4.0	0.20	0.10	0.04	3.00	8.618
1		7.7	0.11	0.20	0.08	3.10	8.524
1		12.7	0.24	0.30	0.07	3.20	8.569
1		17.2	0.48	1.40	1.39	9.10	0.000
1	M-2	2.0	0.09	0.10	0.02	2.30	7.421
1		8.9	0.06	0.10	0.01	2.40	7.861
1		20.0	0.11	0.10	0.03	3.10	7.469
1		30.0	0.06	0.10	0.01	2.80	7.197
1		39.5	0.07	0.10	0.04	6.00	6.769
1		54.0	0.08	0.20	0.04	9.30	5.800
1	M-3	2.5	0.06	0.20	0.04	2.90	7.514
1		25.0	0.04	0.10	0.02	2.70	7.324
1		49.0	0.03	1.40	0.06	3.40	7.079
1		74.0	0.17	0.20	0.09	7.80	5.470
1		99.0	0.14	0.10	0.07	7.00	4.931
1		121.0	0.10	10.10	0.01	6.80	4.632
1	M-4	2.0	0.03	0.10	0.00	2.20	7.215
1		25.0					7.683
1		51.0	0.11	0.10	0.04	3.20	7.703
1		99.0					4.891

Nutrient and Hydrographic Data

CRUISE	TRANSECT* STATION	DEPTH (m)	PO4-P ($\mu\text{M/kg}$)	NO3 ($\mu\text{M/kg}$)	NO2 ($\mu\text{M/kg}$)	SiO4 ($\mu\text{M/kg}$)	OXYGEN (mg/l)
1		130.5	0.22	5.50	0.05	8.70	4.578
1		178.0	0.88	15.40	0.00	8.00	4.704
1	D-1	2.5	0.15	0.20	0.04	2.60	7.787
1		5.8	0.16	0.10	0.02	2.60	8.387
1		10.8	0.30	0.10	0.06	3.60	7.138
1		13.8	0.16	0.20	0.06	3.60	7.485
1		17.5	0.15	0.10	0.12	5.50	7.772
1	D-2	2.5	0.15	0.20	0.02	2.10	8.217
1		9.6	0.07	0.10	0.04	2.60	8.244
1		20.6	0.11	0.20	0.00	3.30	7.961
1		30.5	0.27	1.20	0.45	6.00	7.163
1		39.0	0.12	0.50	0.28	4.70	6.807
1		49.0	0.10	5.80	0.33	5.60	5.915*
1	D-3	2.0	0.05	0.10	0.01	1.00	7.674
1		10.0	0.61	0.10	0.04	1.50	7.323
1		25.5	0.09	0.10	0.09	1.30	8.922
1		41.4	0.11	0.20	0.08	2.50	7.462
1		61.8	0.09	0.90	0.02	3.30	7.470
1		80.0	0.57	9.40	0.07	5.30	5.478
1	D-4	2.0	0.09	0.10	0.00	0.70	7.219
1		19.8	0.08	0.10	0.00	1.10	7.600
1		49.3	0.10	0.10	0.00	1.10	7.767
1		99.5	0.11	12.00	0.04	5.20	5.102
1		150.0	0.11	13.30	0.01	6.60	5.255
1		190.5	0.74	13.80	0.02	7.80	4.596
* Possible sample contamination due to leaking seal on Niskin bottle.							
2	C-1	3.0	0.15	0.3	0.06	1.0	8.858
2		9.0	0.15	0.3	0.06	0.9	8.779
2		21.0	0.79	7.4	0.72	13.3	5.081
2		21.0	0.75	7.4	0.74	13.4	
2	C-2	1.0	0.32	4.8	0.52	3.7	9.345
2		9.6	1.14	17.3	0.06	9.4	9.746
2		20.0	0.46	5.0	0.44	3.9	7.493
2		30.0	0.77	9.9	0.08	6.4	6.359

Nutrient and Hydrographic Data

CRUISE	TRANSECT* STATION	DEPTH (m)	PO4-P ($\mu\text{M}/\text{kg}$)	NO3 ($\mu\text{M}/\text{kg}$)	NO2 ($\mu\text{M}/\text{kg}$)	SiO4 ($\mu\text{M}/\text{kg}$)	OXYGEN (mg/l)
2		39.5	0.87	12.4	0.13	7.0	6.167
2		50.5	0.94	12.7	0.11	7.4	5.586
2			0.91	13.9	0.03	6.8	
2	C-3		0.45	9.2	0.28	9.9	
2			0.18	0.9	0.63	1.3	
2			0.17	0.8	0.66	1.4	
2	C-4		0.57	12.8	0.34	12.2	
2	M-1	3.0	0.13	0.4	0.13	1.9	9.607
2		6.0	0.22	0.4	0.13	1.9	9.976
2		8.0	0.16	0.5	0.16	2.3	9.892
2		12.0	0.20	0.9	0.29	3.4	8.242
2		14.0	0.35	3.0	0.77	8.0	2.486*
2	M-2	4.0	0.17	1.3	0.23	1.0	9.807
2		17.0	0.17	0.1	0.04	0.3	9.173
2		25.5	0.19	0.7	0.16	0.8	8.735
2		37.0	0.32	3.3	0.60	3.1	7.12
2		50.0	0.59	7.4	0.19	6.1	5.284
2	M-3	3.0	0.20	0.3	0.08	0.4	
2		5.0	0.22	1.6	0.20	1.9	
2		19.0	0.13	0.2	0.44	0.7	
2		31.0	0.30	1.5	0.72	1.7	7.557
2		60.0	0.20	0.8	0.54	1.8	7.792
2		85.0	0.60	8.9	0.12	5.9	5.801
2		100.0	0.62	8.9	0.19	6.0	5.879
2		120.0	0.59	7.3	0.26	5.7	6.425
2	M-4	5.0	0.20	0.8	0.11	1.5	9.223
2		6.2	0.15	0.7	0.19	0.3	8.628
2		21.5	0.29	4.6	0.49	3.5	
2		31.0	0.19	1.2	0.72	1.4	7.699
2		92.0	0.24	1.3	0.57	2.2	7.728
2		115.0	0.73	11.0	0.08	5.4	6.297
2		150.0	0.74	11.0	0.07	5.3	6.218
2		170.0	0.94	14.7	0.06	7.1	5.626
2		182.0					4.621

Nutrient and Hydrographic Data

CRUISE	TRANSECT* STATION	DEPTH (m)	PO4-P ($\mu\text{M}/\text{kg}$)	NO3 ($\mu\text{M}/\text{kg}$)	NO2 ($\mu\text{M}/\text{kg}$)	SiO4 ($\mu\text{M}/\text{kg}$)	OXYGEN (mg/l)
2	D-1	2.5	0.09	0.0	0.04	5.4	9.736
2		5.0	0.08	0.2	0.04	5.3	9.701
2		12.0	0.09	0.1	0.09	4.7	9.575
2		14.0	0.34	2.2	0.77	8.9	7.227
2		18.0	0.36	2.5	0.78	9.6	8.991
2	D-2	2.0	1.24	17.4	0.11	1.5	8.511
2		24.0	0.13	0.0	0.01	1.0	9.628
2		33.0	0.12	0.0	0.00	1.0	9.378
2		44.0	0.18	0.3	0.35	1.8	9.618
2		53.0	0.28	1.6	0.68	3.2	7.776
2	D-3	4.0	0.15	0.0	0.03	1.3	8.649
2		21.5	0.13	0.3	0.17	1.5	8.217*
2		34.9	0.30	2.4	0.80	6.4	6.672
2		49.7	0.42	5.2	0.10	7.4	6.518
2		69.7	0.44	5.9	0.05	4.9	6.371*
2		85.5	1.24	17.4	0.11	10.9	4.893
2	D-4	4.0	0.18	0.0	0.02	0.6	8.664
2		49.0	0.22	2.5	0.55	1.6	7.51
2		100.0	0.97	14.3	0.05	7.9	5.188*
2		150.0	1.67	25.0	0.04	14.1	4.288
2		213.0	1.78	26.2	0.04	15.5	4.633
2		213.0	1.78	25.8	0.00	15.2	
* Possible sample contamination due to leaking seal on Niskin bottle.							
3	C-1	1	0.15	0.09	0.01	3.91	7.577
3		5	0.03	0.07	0.02	0.65	7.768
3		10	0.07	0.08	0.02	1.11	7.395
3		15	0.64	0.64	0.04	30.60	7.991
3		18	0.16	0.16	0.13	4.79	7.000
3	C-2	1	0.26	0.06	0.04	2.45	8.068
3		8	0.25	0.01	0.04	3.55	7.890
3		14	0.44	0.50	1.60	5.60	7.079
3		20	0.22	0.10	0.15	7.90	7.649
3		26	0.16	0.15	0.36	3.80	7.178
3		33	0.37	4.30	0.69	6.20	6.396

Nutrient and Hydrographic Data

CRUISE	TRANSECT* STATION	DEPTH (m)	PO4-P ($\mu\text{M/kg}$)	NO3 ($\mu\text{M/kg}$)	NO2 ($\mu\text{M/kg}$)	SiO4 ($\mu\text{M/kg}$)	OXYGEN (mg/l)
3	C-3	2	0.12	0.07	0.01	0.72	7.932
3		20	0.09	0.18	0.20	1.99	7.598
3		70	0.40	8.57	0.04	3.31	5.592
3		90	0.66	12.45	0.03	4.93	5.035
3		114	0.84	14.20	0.10	6.85	4.778
3	C-4	1	0.37	0.02	0.04	0.87	8.990
3		50	0.26	6.28	0.09	3.94	6.193
3		100	0.48	11.40	0.05	4.44	
3		200	1.15	19.90	0.05	9.60	5.722
3		240	1.26	21.20	0.04	11.30	4.644
3		275	1.73	26.70	0.07	16.50	4.837
3	M-1	1	0.23	0.07	0.05	6.29	7.362
3		7	0.33	0.10	0.05	3.01	8.294
3		15	0.08	0.05	0.06	3.20	7.348
3		15	0.25	0.07	0.06	3.53	6.846
3		20	0.75	0.58	0.39	22.75	5.374
3		20	0.36	0.29	0.37	13.00	5.882
3	M-2B	2	0.14	0.04	0.00	1.53	7.723
3		15	0.17	0.08	0.01	2.24	8.348
3		25	0.04	0.04	0.05	1.11	8.700
3		35	0.02	0.04	0.00	1.07	7.927
3		48	0.08	0.18	0.16	1.40	7.828
3		56	0.50	3.49	0.57	4.78	6.129
3	M-3	1	0.13	0.11	0.01	1.17	7.558
3		25	0.23	1.30	0.25	2.38	7.757
3		50	0.09	0.13	0.06	0.89	8.694
3		75	0.24	5.21	0.08	2.28	6.147
3		100	0.56	11.60	0.05	4.23	3.863
3		118	0.70	11.55	0.11	6.78	6.002
3	M-4	1	0.14	0.10	0.01	2.80	7.835
3		40	0.12	0.11	0.02	2.52	9.678
3		80	0.13	2.63	0.10	1.77	7.244
3		120	0.81	12.30	0.03	6.89	5.908
3		150	0.87	15.10	0.05	7.12	5.537
3		180	1.16	17.85	0.08	8.68	5.691

Nutrient and Hydrographic Data

CRUISE	TRANSECT* STATION	DEPTH (m)	PO4-P (μM/kg)	NO3 (μM/kg)	NO2 (μM/kg)	SiO4 (μM/kg)	OXYGEN (mg/l)
3	D-1	1	0.25	0.15	0.20	7.05	7.436
3		7	0.27	4.49	0.07	3.13	7.467
3		14	0.10	0.02	0.04	3.70	8.350
3		19	0.13	0.03	0.07	2.65	6.051
3	D-2	1	0.14	0.06	0.06	2.78	7.612
3		15	0.18	0.14	0.03	0.40	8.151
3		25	0.20	0.14	0.10	4.41	7.445
3		35	0.40	6.06	0.11	5.59	5.591
3		54	0.49	8.48	0.14	4.26	5.891
3		54	0.37	7.46	0.13	3.76	6.436
3	D-3	1	0.08	0.06	0.04	2.28	7.846
3		20	0.18	0.10	0.04	3.03	7.421
3		35	0.06	0.08	0.04	2.25	8.115
3		50	0.15	1.47	0.36	2.50	6.652
3		65	0.40	5.85	0.12	6.13	6.058
3		77	0.44	8.51	0.10	4.38	5.299
3	D-4	1	0.26	0.14	0.01	1.33	8.527
3		45	0.27	1.35	1.17	5.24	6.434
3		75	0.49	9.04	0.06	4.30	5.909
3		125	0.95	15.45	0.02	8.38	4.989
3		175	1.30	21.15	0.08	11.45	4.404
3		203	1.49	25.10	0.01	14.05	4.255
3	S-6	1	0.06	0.09	0.03	1.11	7.619
3		15	0.12	0.07	0.03	4.99	7.335
3		34	0.45	5.56	0.37	6.11	5.172
3	S-7	2	0.02	0.05	0.04	1.63	7.430
3		20	0.12	0.23	0.15	4.14	6.643
3		34	0.01	0.03	0.01	0.07	4.241
3	S-8	1					7.469
3		30					9.090
3		56					6.849
3	C	1					7.542
3		150					5.404
3		313					5.327

Nutrient and Hydrographic Data

CRUISE	TRANSECT* STATION	DEPTH (m)	PO4-P ($\mu\text{M/kg}$)	NO3 ($\mu\text{M/kg}$)	NO2 ($\mu\text{M/kg}$)	SiO4 ($\mu\text{M/kg}$)	OXYGEN (mg/l)
4	C-1	2	0.02	0.08	0.02	1.20	8.626
4		8	0.03	0.07	0.03	1.20	8.250
4		16	0.06	0.05	0.05	3.10	7.739
4	C-2	1	0.14	1.85	0.22	7.10	9.310
4		10	0.06	0.30	0.09	1.20	8.651
4		20	0.11	0.23	0.07	0.60	8.212
4		30	0.08	0.26	0.04	0.90	8.890
4		40	0.17	1.27	0.21	2.20	8.147
4		51	0.08	1.68	0.59	1.50	7.467
4	C-3	2	0.08	0.28	0.02	3.40	8.026
4		15	0.00	0.28	0.02	1.90	8.203
4		39	0.16	0.28	0.02	2.50	8.122
4		69	0.14	3.40	0.05	2.20	7.375
4		94	0.53	10.90	0.05	5.90	5.567
4		118	0.73	12.40	0.08	7.10	4.849
4	C-4	3	0.12	0.31	0.08	2.80	7.882
4		25	0.11	0.26	0.04	0.30	
4		59	0.19	0.79	0.20	2.80	9.619
4		96	0.55	10.70	0.04	5.90	
4		137	0.66	13.70	0.04	6.20	5.311
4		201	0.50	10.30	0.08	0.90	4.666
4		240	1.03	19.20	0.06	10.80	4.270
4		282	1.26	20.30	0.05	10.20	4.828
4	M-1	2	0.30	0.27	0.03	8.70	8.617
4		9	0.25	0.28	0.02	13.00	8.299
4		16	0.19	0.18	0.02	2.80	8.283
4	M-2	2	0.11	0.10	0.00	2.60	9.654
4		15					8.308
4		25	0.67	0.10	0.00	3.20	8.286
4		40	0.05	0.16	0.04	1.90	8.064
4		50	0.19	0.18	0.02	7.10	7.753
4		57	0.22	0.18	0.02	9.60	7.941
4	M-3	3	0.14	1.26	0.12	0.00	8.462
4		20	0.12	0.15	0.05	7.50	8.297

C-14

*Location of Transect Stations for Cruises 3 and 4 found on pages C-39 to C-55 and C-56 to C-70.

Nutrient and Hydrographic Data

CRUISE	TRANSECT* STATION	DEPTH (m)	PO4-P ($\mu\text{M/kg}$)	NO3 ($\mu\text{M/kg}$)	NO2 ($\mu\text{M/kg}$)	SiO4 ($\mu\text{M/kg}$)	OXYGEN (mg/l)
4		40	0.17	1.34	0.24	6.60	7.186
4		60	0.16	0.35	0.24	2.00	7.868
4		80	0.08	1.46	0.12	3.70	7.632
4		108	0.39	2.78	0.08	1.70	5.301
4	M-4	3	0.05	0.18	0.02	5.70	7.998
4		25	0.20	2.03	0.14	1.10	7.617
4		50	0.16	0.49	0.20	6.30	7.520
4		90	0.58	2.81	0.15	2.00	5.690
4		130	0.67	7.38	0.11	3.40	5.445
4		170					4.984
4	6	2	0.28	0.31	0.08	8.60	
4	5	9	0.12	0.26	0.04	7.50	
4	4	16	0.16	0.18	0.02	7.70	
4	3	23	0.22	0.18	0.02	8.60	
4	2	30	0.25	0.16	0.04	8.90	
4	1	35	0.23	0.06	0.04	9.20	
4	D-1	2	0.24	0.16	0.04	1.90	8.823
4		9	0.05	0.20	0.00	1.50	8.283
4		17	0.09	0.18	0.02	2.80	8.237
4	D-2	2	0.16	0.25	0.05	0.00	8.051
4		10	0.31	0.26	0.04	7.70	8.156
4		20	0.00	0.24	0.06	5.30	7.813
4		30	0.19	0.28	0.02	8.00	7.827
4		40	0.25	1.35	0.03	8.30	7.496
4		52	0.33	2.70	0.06	8.70	7.024
4	D-3	2	0.16	-0.05	0.25	7.70	8.218
4		15	0.08	0.12	0.08	1.50	8.417
4		30					7.836
4		45	0.00	0.20	0.00	0.60	8.288
4		65	0.08	0.19	0.01	6.80	8.346
4		80					7.932
4	D-4	2	0.00	0.18	0.02	2.20	8.130
4		30	0.24	0.47	0.02	3.40	9.045
4		80	0.50	3.48	0.07	1.50	5.588
4		130					4.320

Nutrient and Hydrographic Data

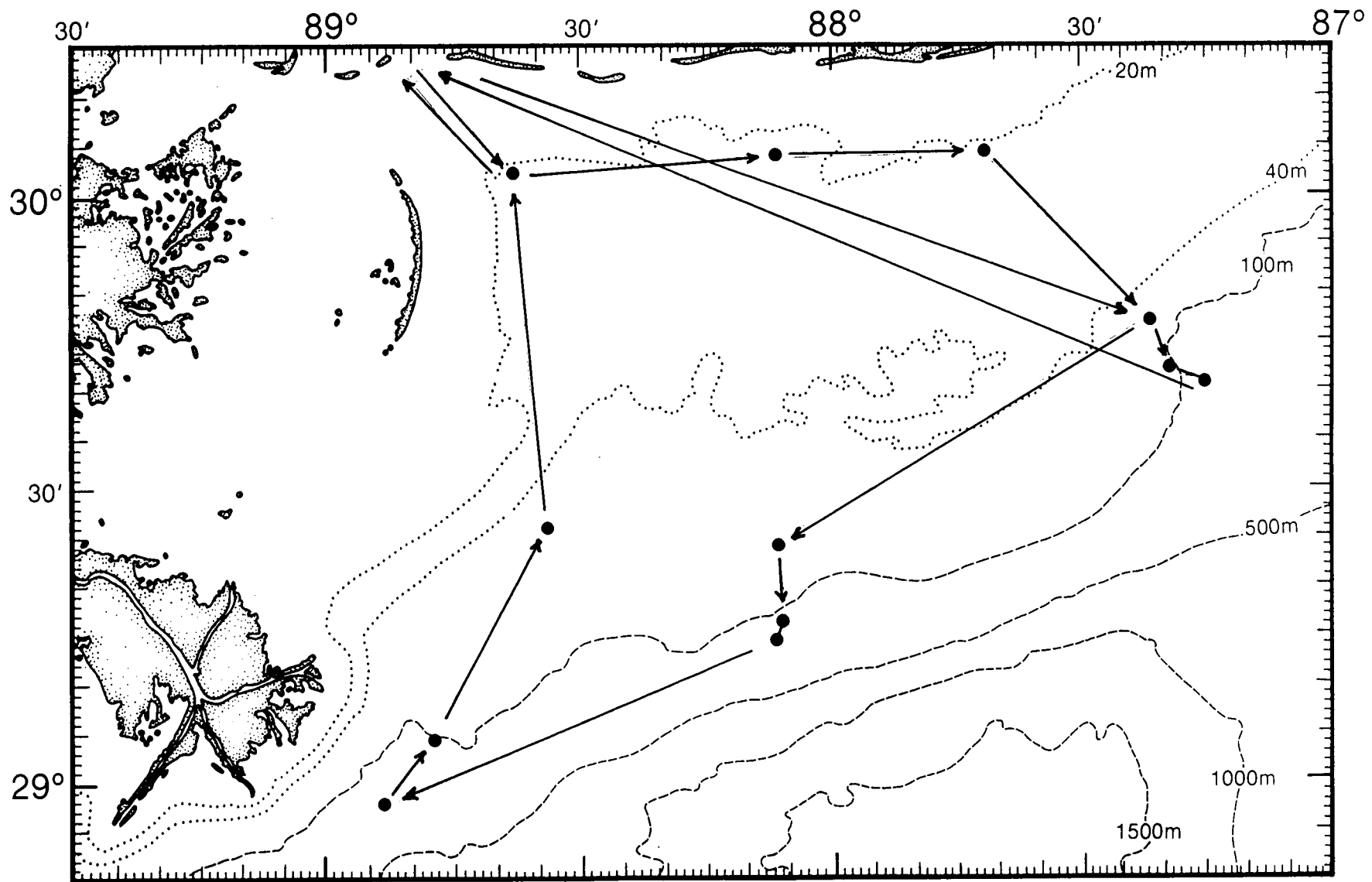
CRUISE	TRANSECT* STATION	DEPTH (m)	PO4-P ($\mu\text{M/kg}$)	NO3 ($\mu\text{M/kg}$)	NO2 ($\mu\text{M/kg}$)	SiO4 ($\mu\text{M/kg}$)	OXYGEN (mg/l)
4		180					4.653
4		217	1.90	23.80	0.08	21.00	4.217
4	S-8	2					8.184
4		9					8.536
4		16					8.337
4		23					7.884
4		30					7.232
4		35					7.212

**Vertical Profiles of Density, Temperature, Salinity and
Percent Light Transmission**

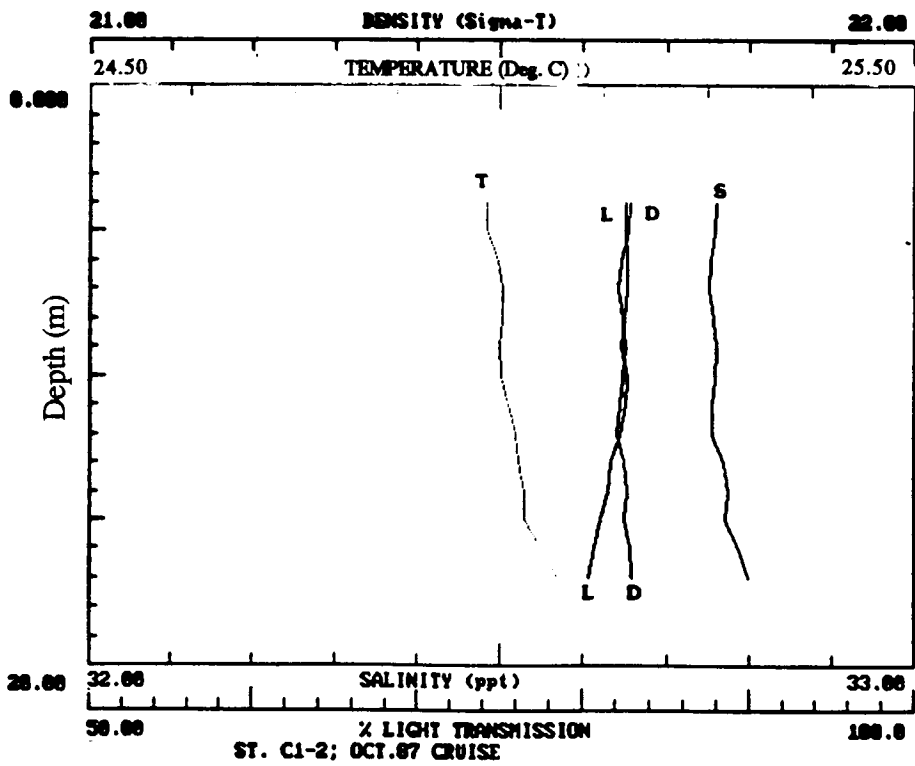
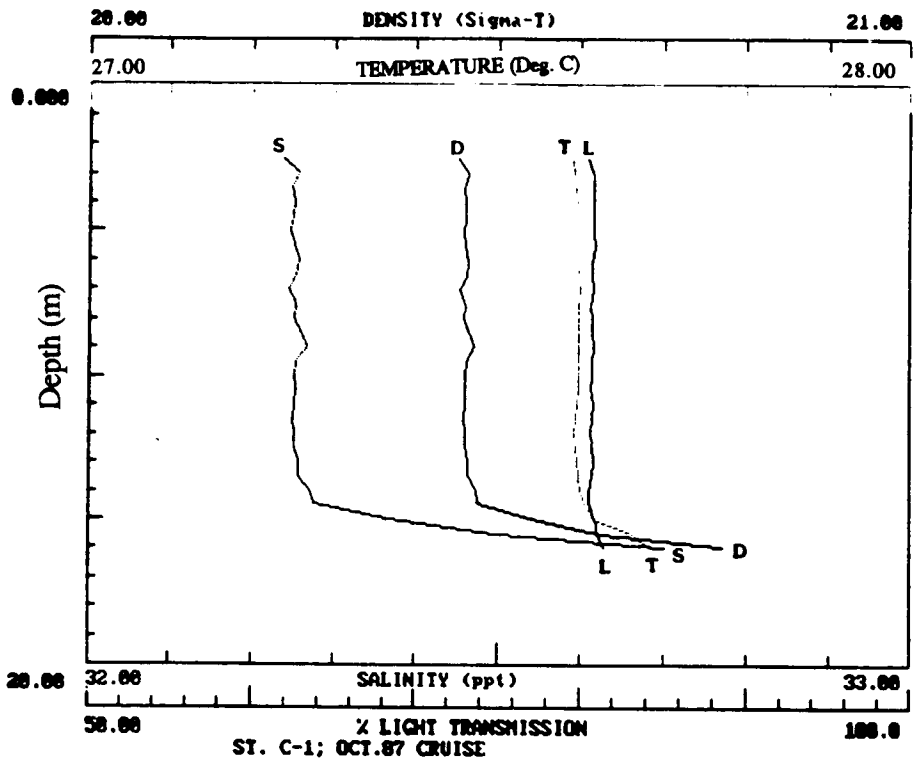
Cruise 1

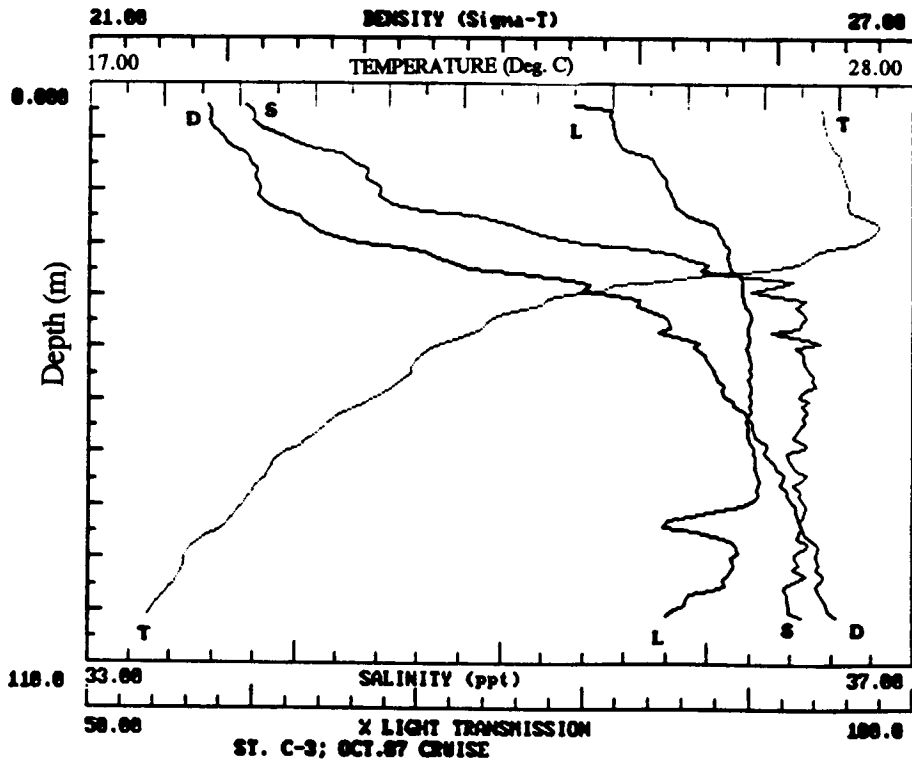
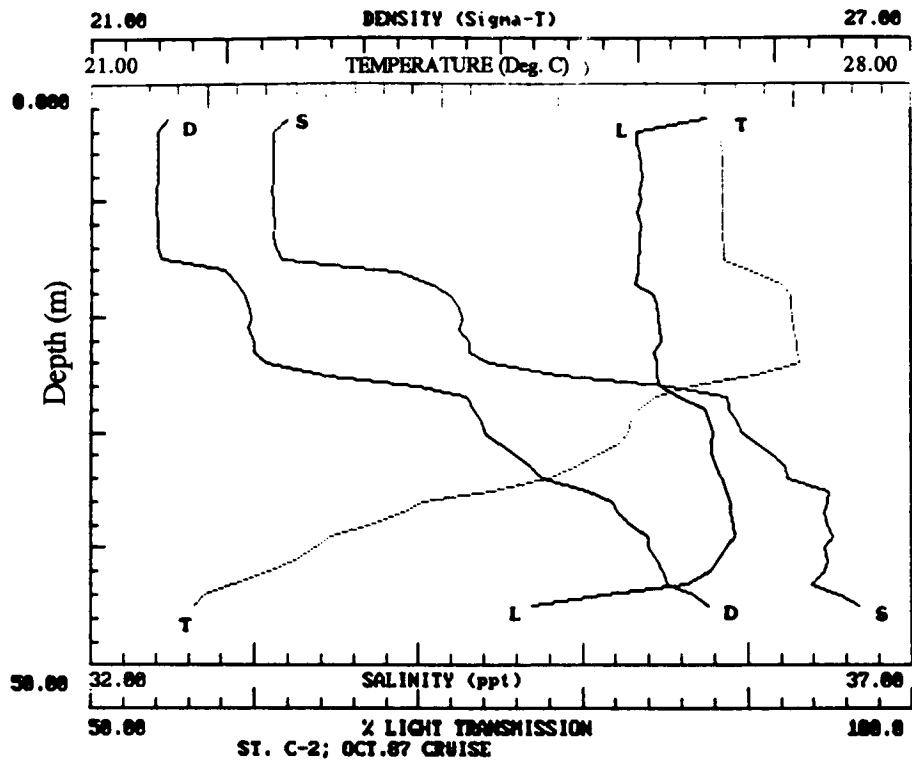
STATION	DATE	TIME (GMT)	LATITUDE	LONGITUDE
C1	9/29/87	03:40	30°02.11'N	88°38.08'W
M1	9/29/87	10:15	30°03.42'N	88°07.10'W
D1	9/29/87	15:50	30°04.05'N	87°41.67'W
D1-A	9/29/87	19:40	29°55.78'N	87°31.04'W
D2	9/29/87	21:15	29°48.00'N	87°22.80'W
D3	9/30/87	02:00	29°42.08'N	87°20.16'W
D4	9/30/87	05:10	29°40.50'N	87°16.00'W
D2A	10/2/87	16:30	29°50.00'N	88°30.00'W
D2B	10/2/87	18:25	29°37.00'N	88°18.60'W
M2	10/2/87	20:15	29°24.00'N	88°07.00'W
M3	10/2/87	23:25	29°16.30'N	88°06.50'W
M4	10/3/87	02:20	29°14.90'N	88°07.28'W
C4	10/4/87	15:00	28°56.60'N	88°54.11'W
C3	10/4/87	22:14	29°04.94'N	88°48.51'W
C2	10/5/87	05:05	29°26.85'N	88°34.95'W
C1-2	10/5/87	10:15	30°00.80'N	88°37.21'W

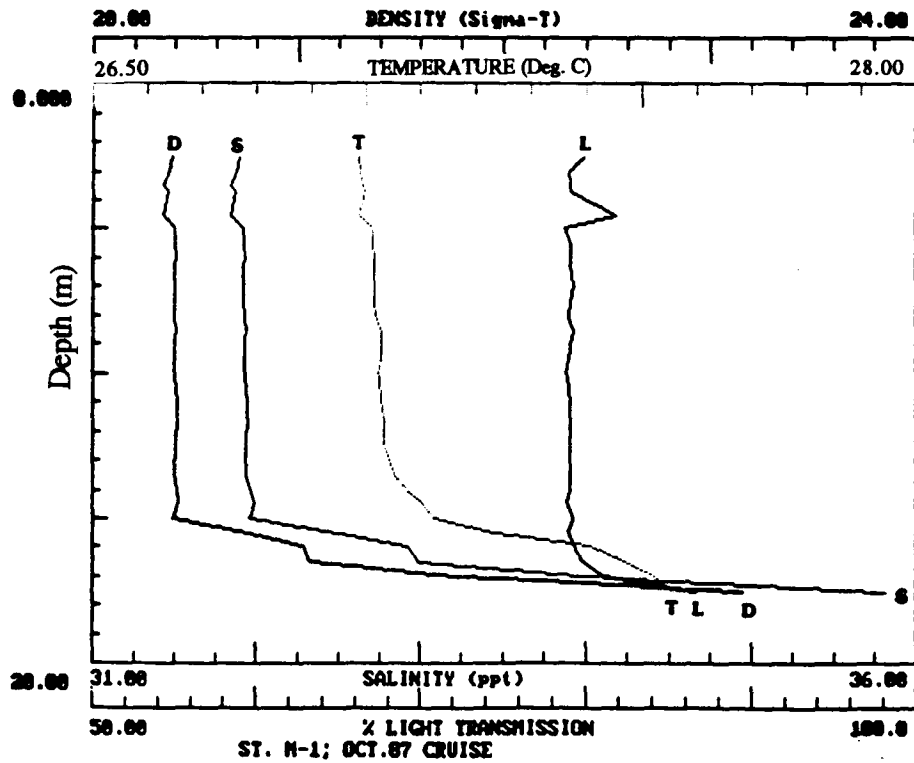
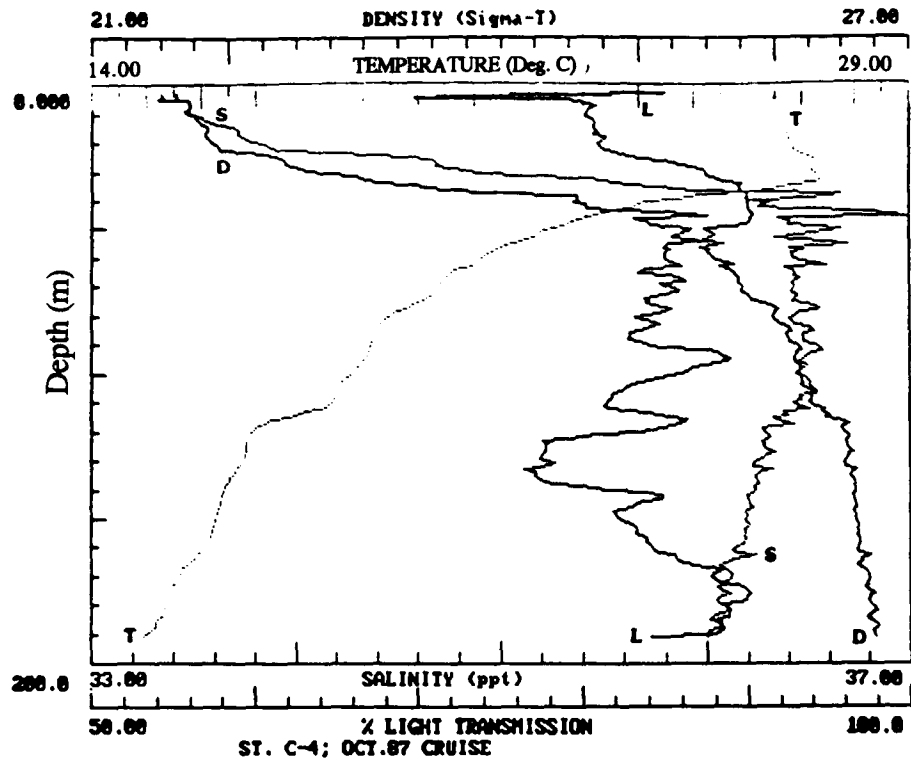
C-20

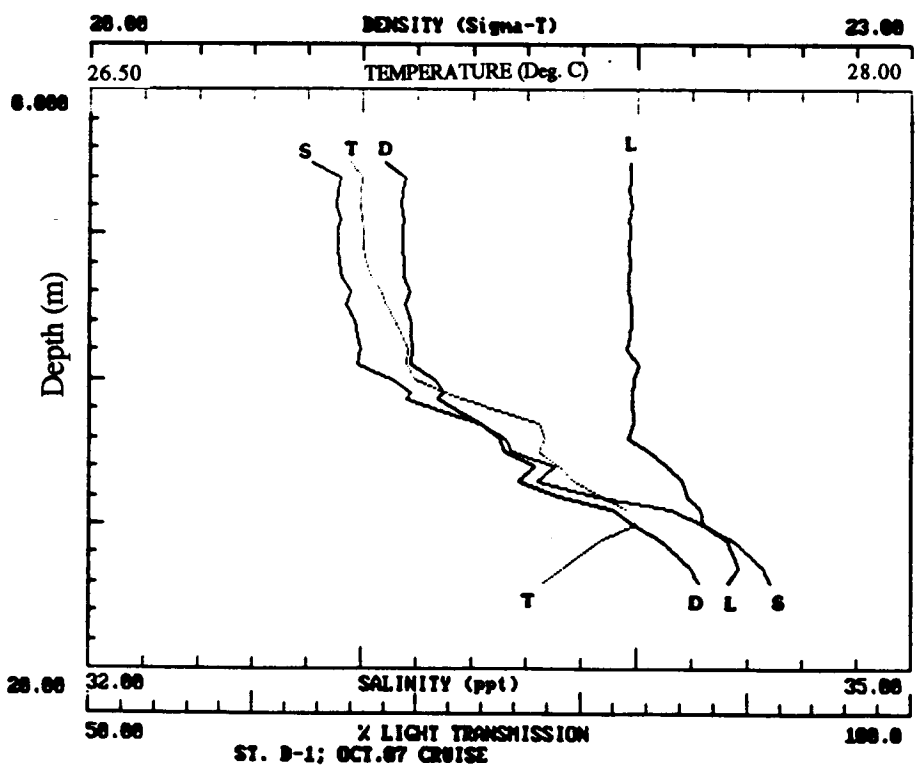
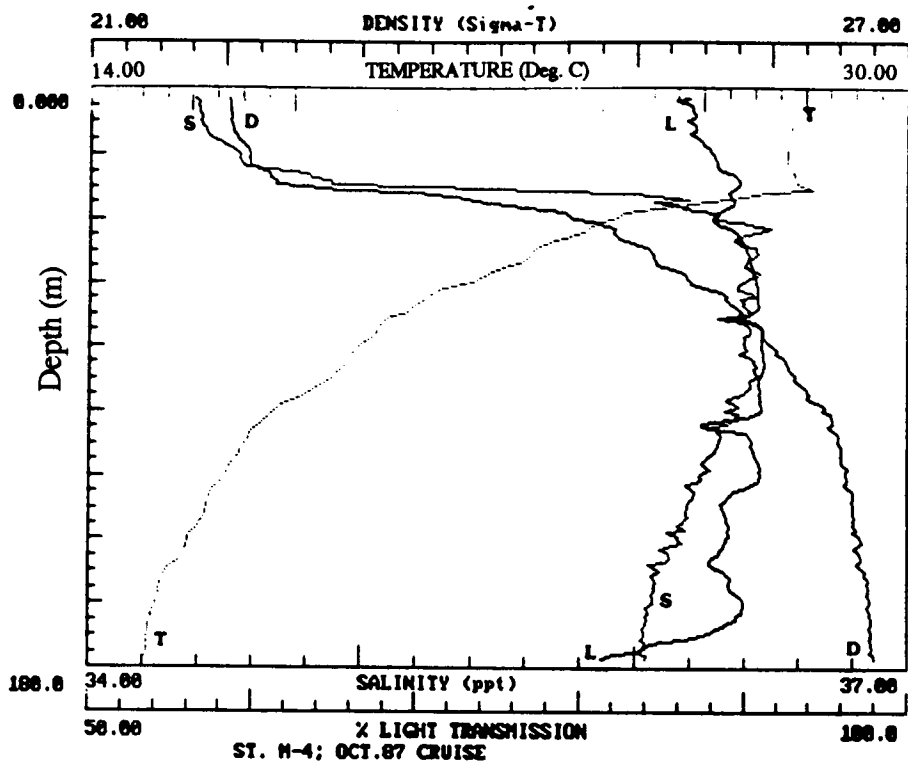


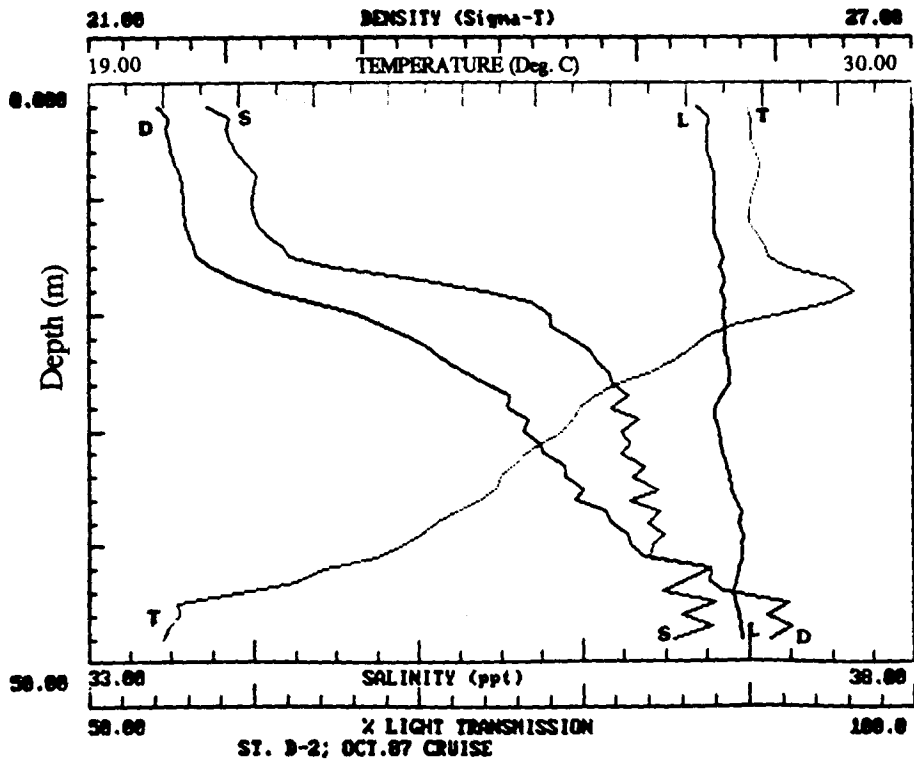
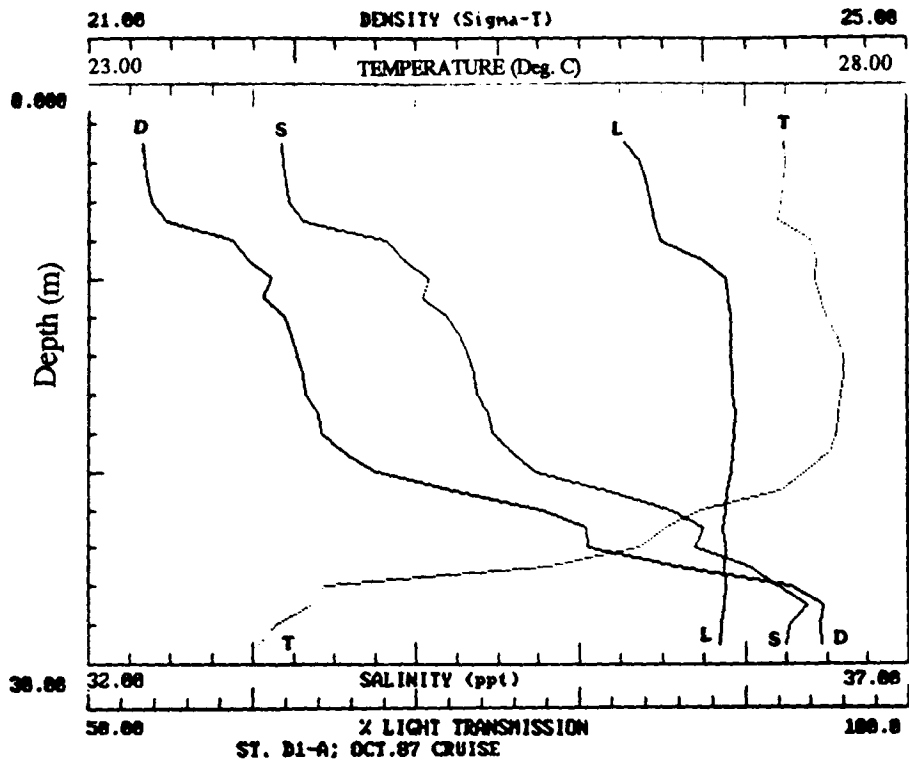
Cruise Track for Cruise 1

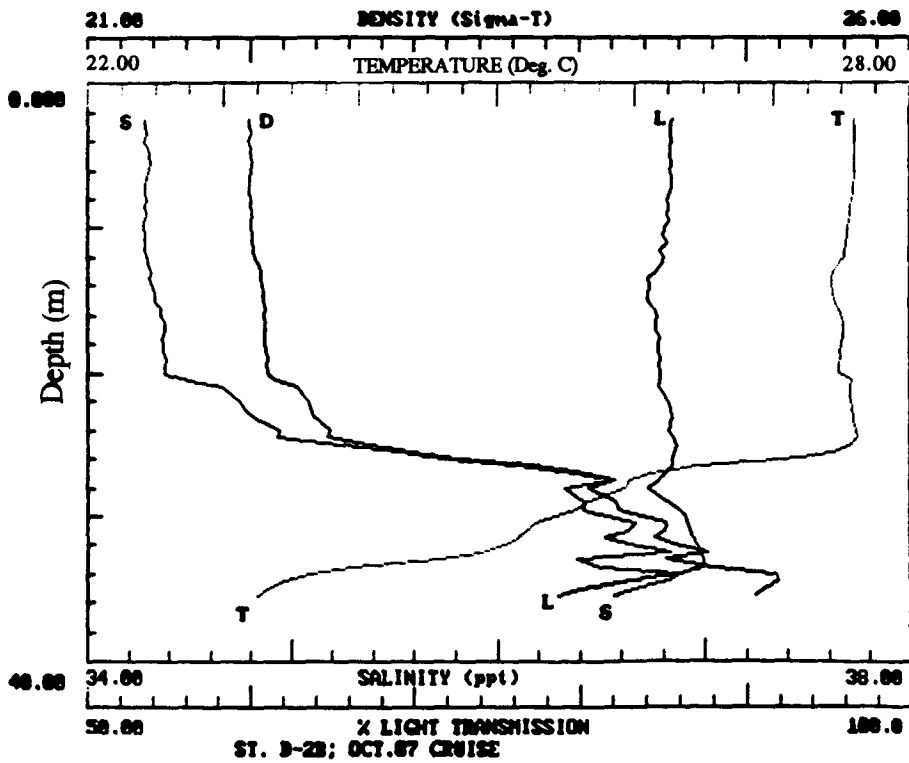
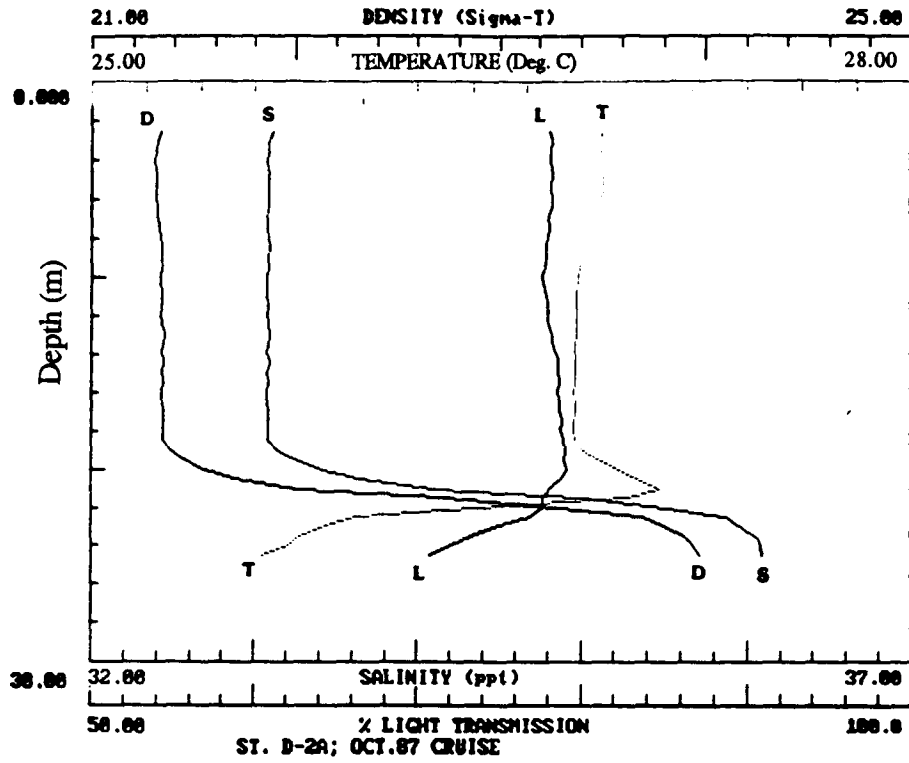








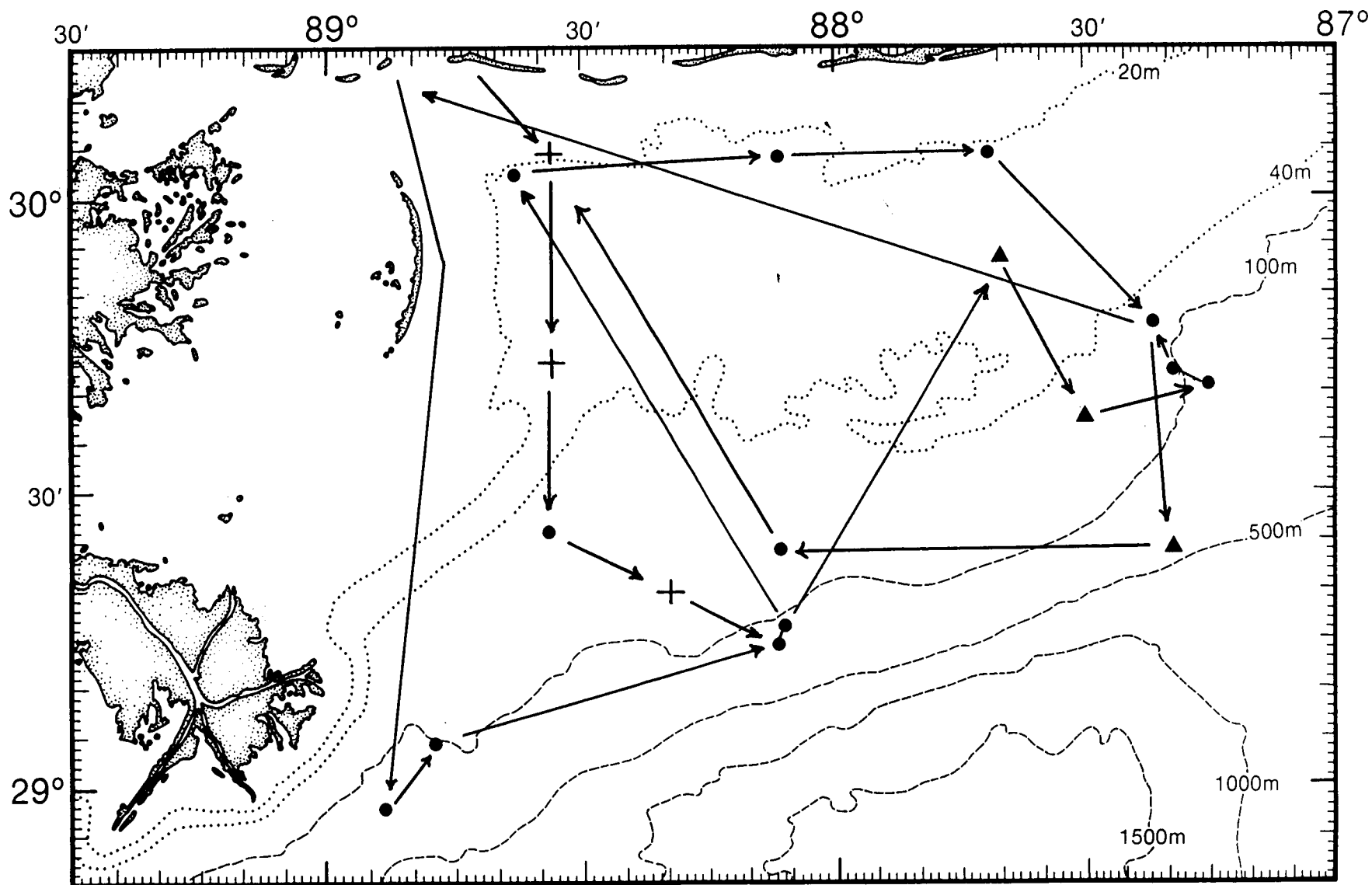




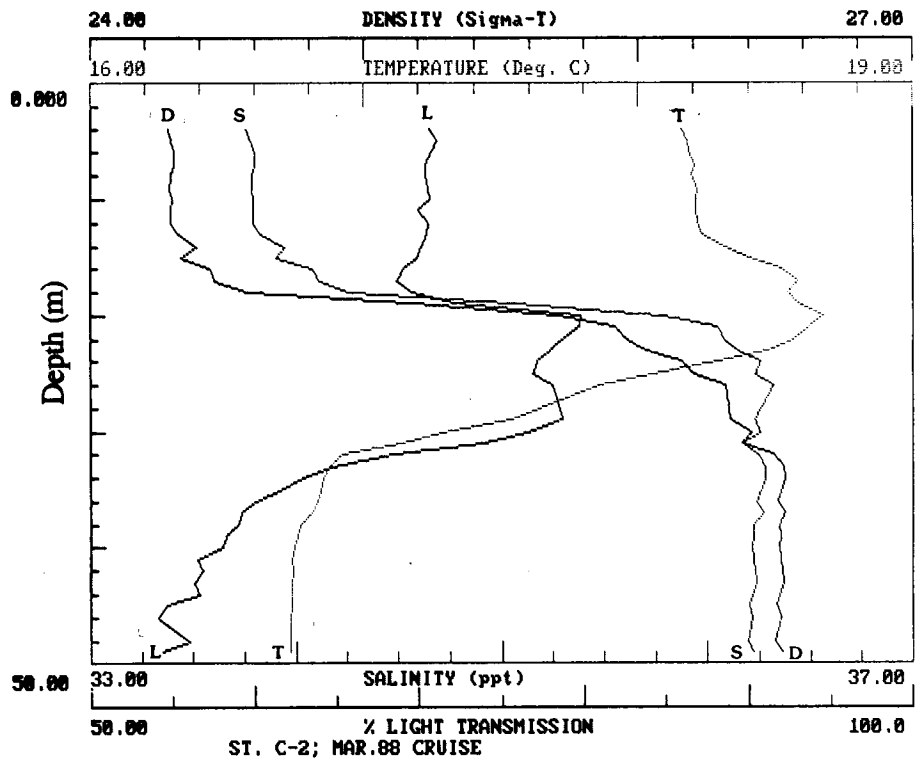
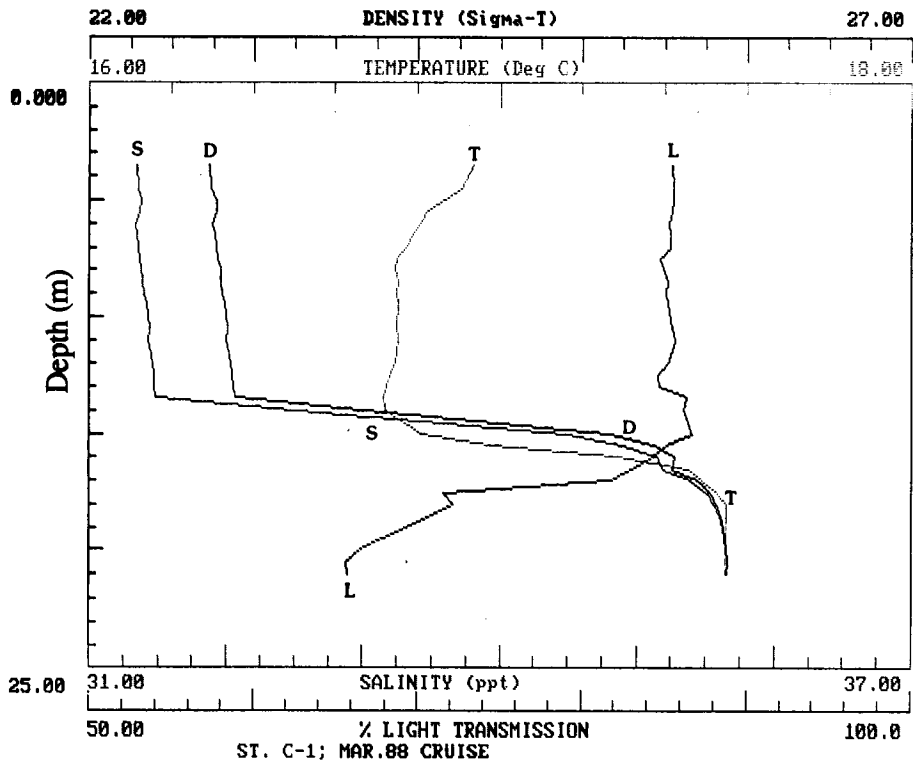
Cruise 2

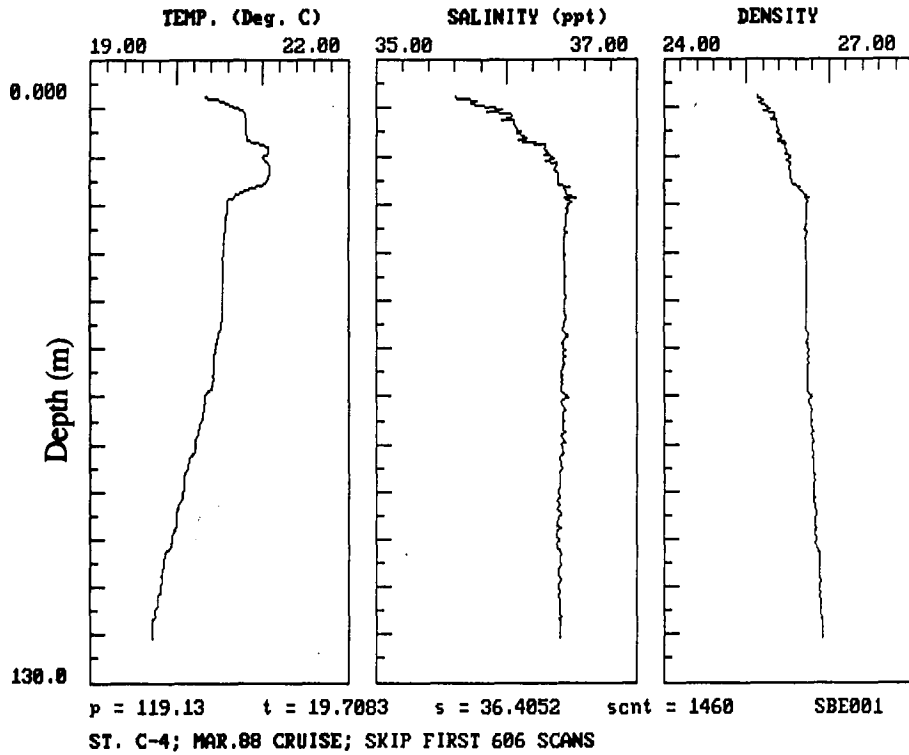
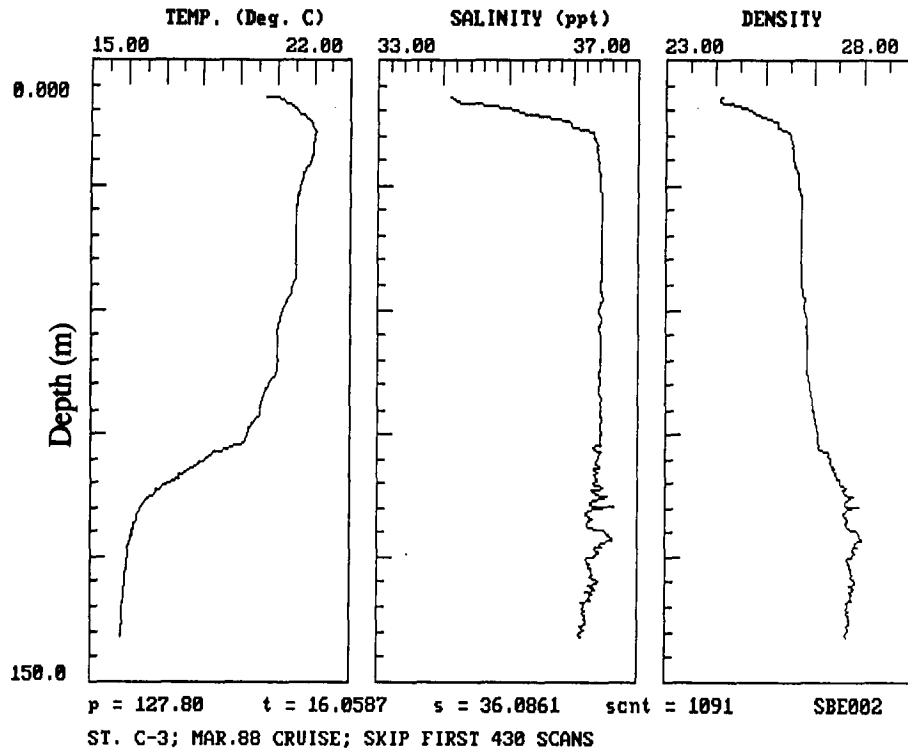
STATION	DATE	TIME (GMT)	LATITUDE	LONGITUDE
C4	3/11/88	09:00	28°55.22'N	88°53.14'W
C3	3/11/88	12:30	29°04.77'N	88°47.20'W
M4	3/12/88	21:00	29°14.87'N	88°07.20'W
M3	3/12/88	04:00	29°16.64'N	88°06.16'W
C1	3/12/88	16:30	30°02.80'N	88°38.22'W
M1	3/12/88	23:35	30°04.18'N	88°06.95'W
D1	3/13/88	06:00	30°04.60'N	87°41.39'W
D2	3/13/88	12:00	29°47.41'N	87°22.96'W
CTD1	3/15/88	23:48	30°05.00'N	88°33.50'W
CTD2	3/16/88	01:43	29°44.00'N	88°33.00'W
C2	3/16/88	04:55	29°26.78'N	88°34.51'W
CTD3	3/16/88	07:30	29°20.00'N	88°19.00'W
M4	3/16/88	09:00	29°14.79'N	88°07.21'W
M3	3/16/88	12:15	29°16.31'N	88°06.59'W
BUOY ST.A	3/16/88	21:50	29°53.30'N	87°40.00'W
BUOY ST.B	3/17/88	01:45	29°36.90'N	87°31.25'W
D4	3/17/88	03:45	29°40.61'N	87°16.08'W
D3	3/17/88	10:05	29°42.28'N	87°20.45'W
D2	3/17/88	12:30	29°47.41'N	87°22.96'W
BUOY ST.C	3/17/88	20:15	29°22.50'N	87°20.40'W
M2	3/18/88	01:15	29°24.11'N	88°06.84'W

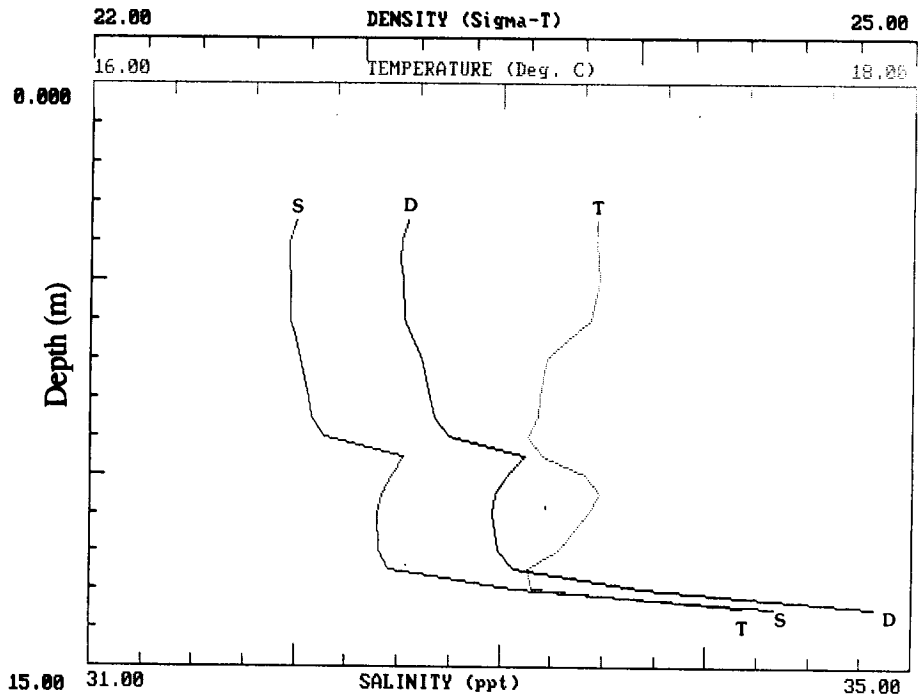
C-28



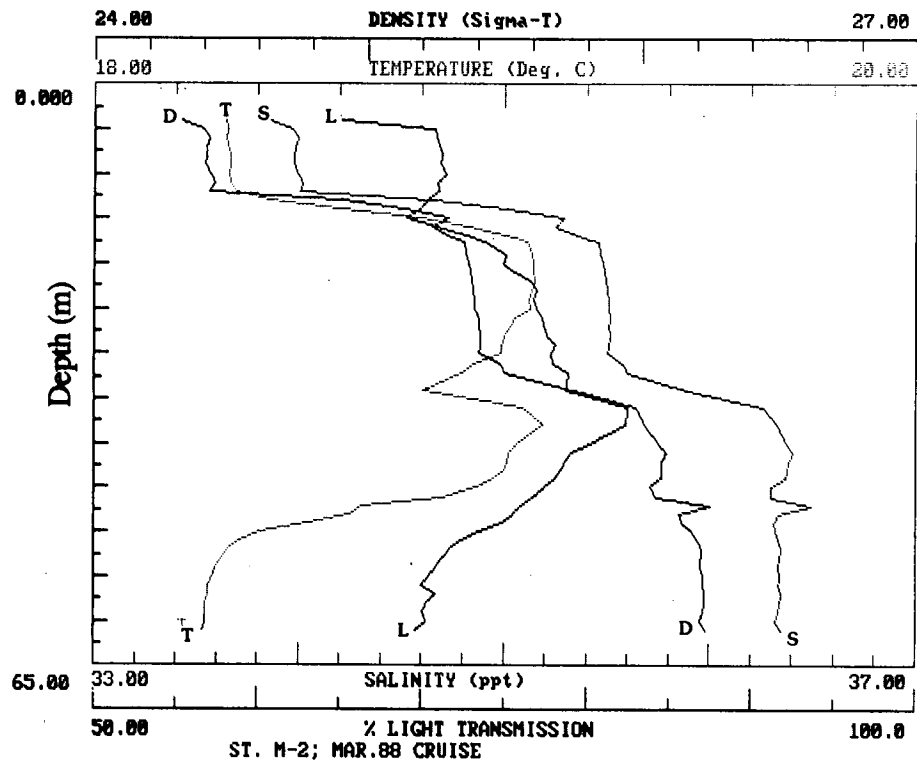
Cruise Track for Cruise 2

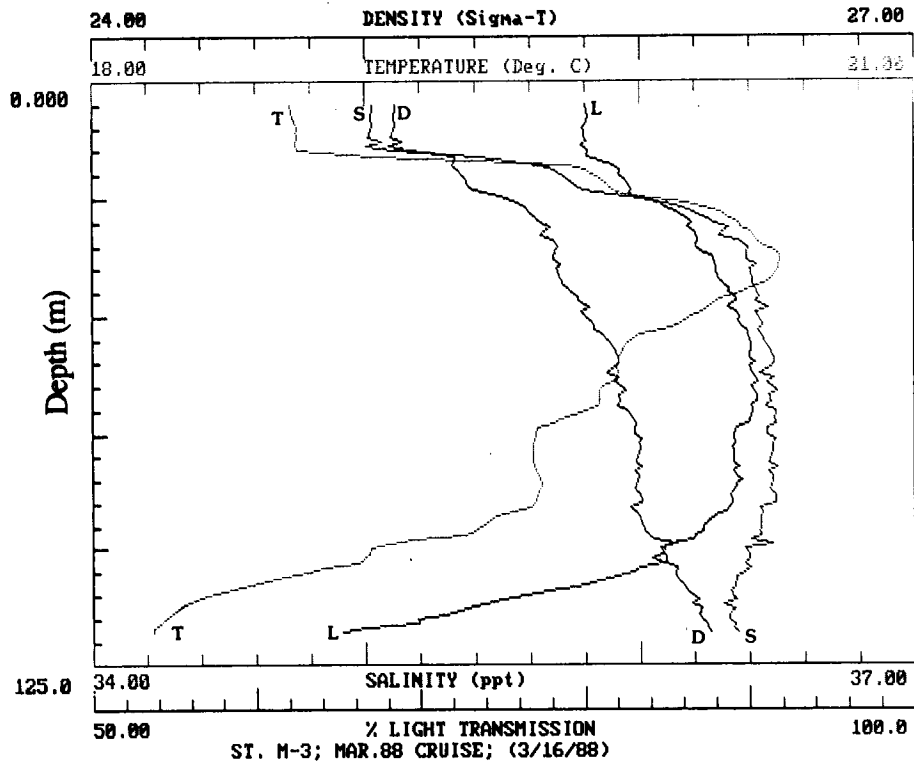
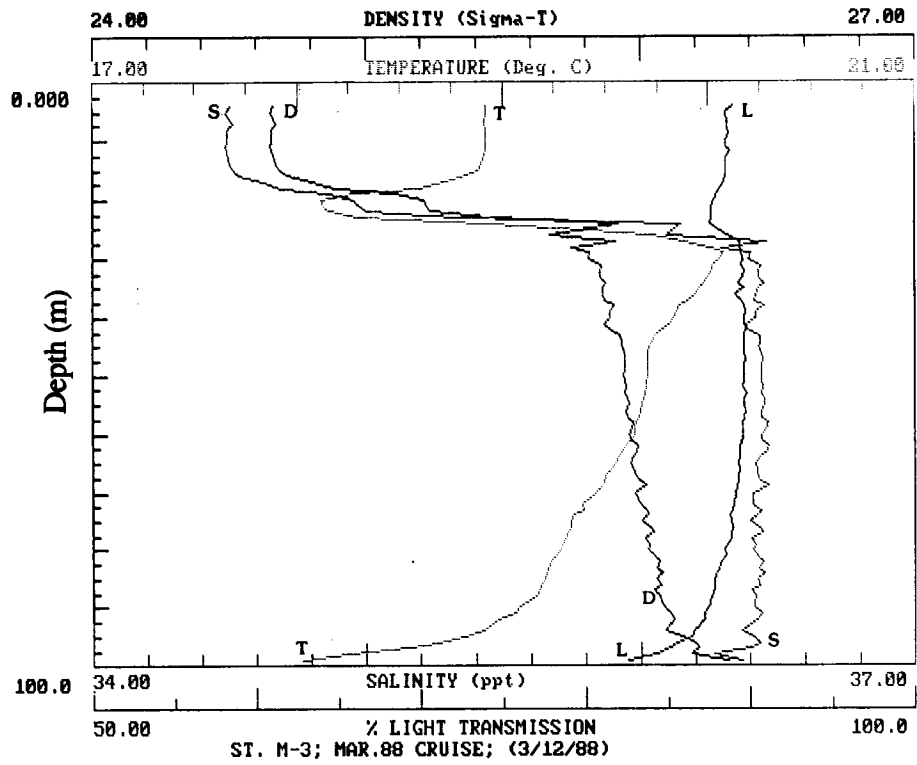


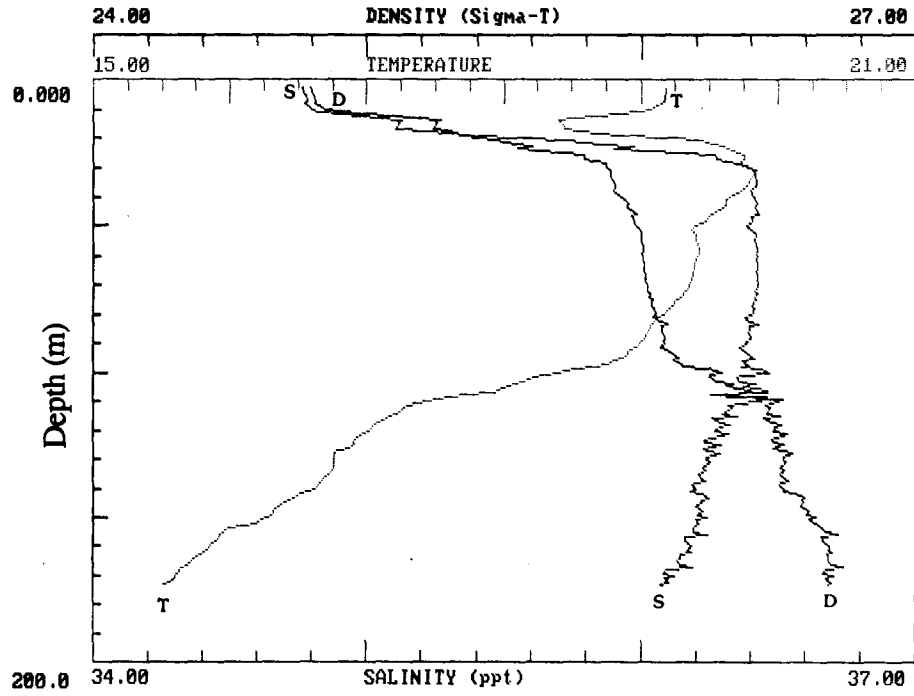




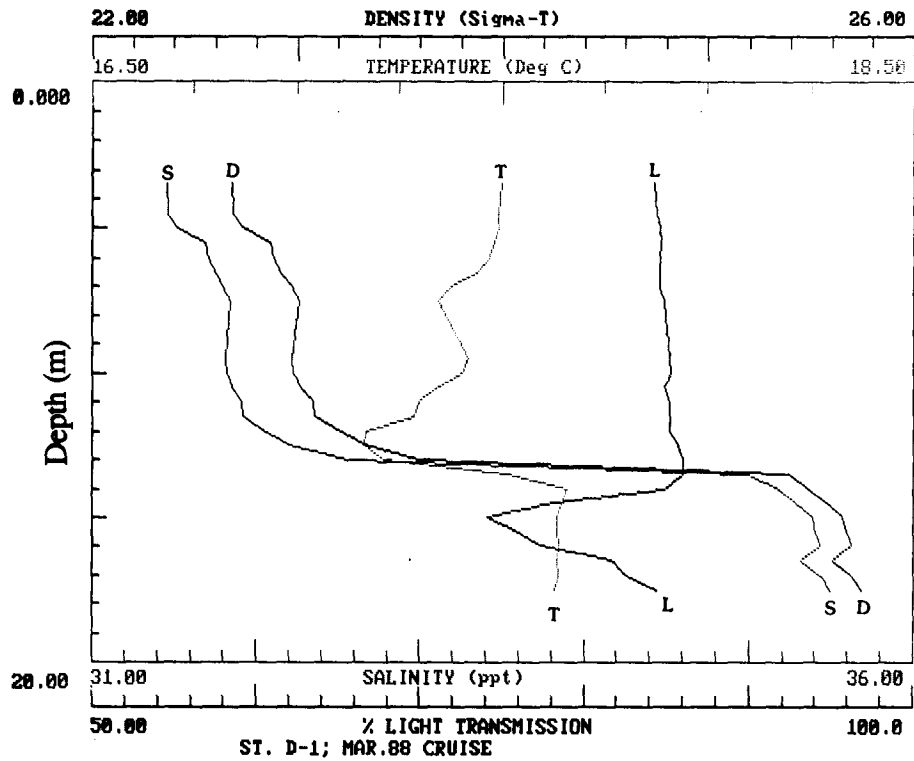
ST. M-1; MAR.88 CRUISE

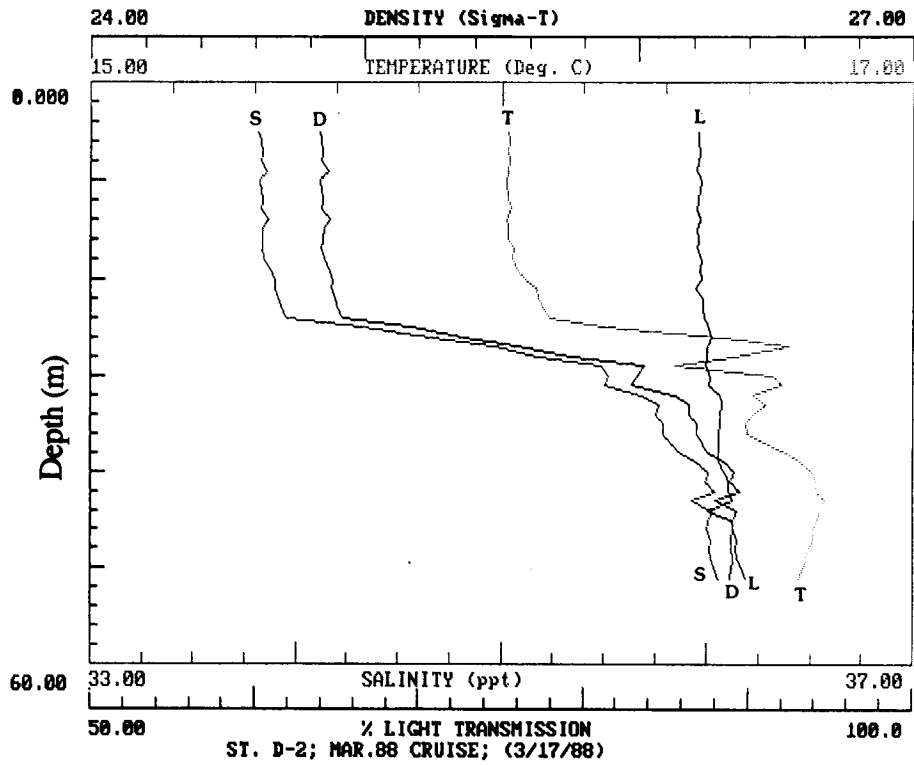
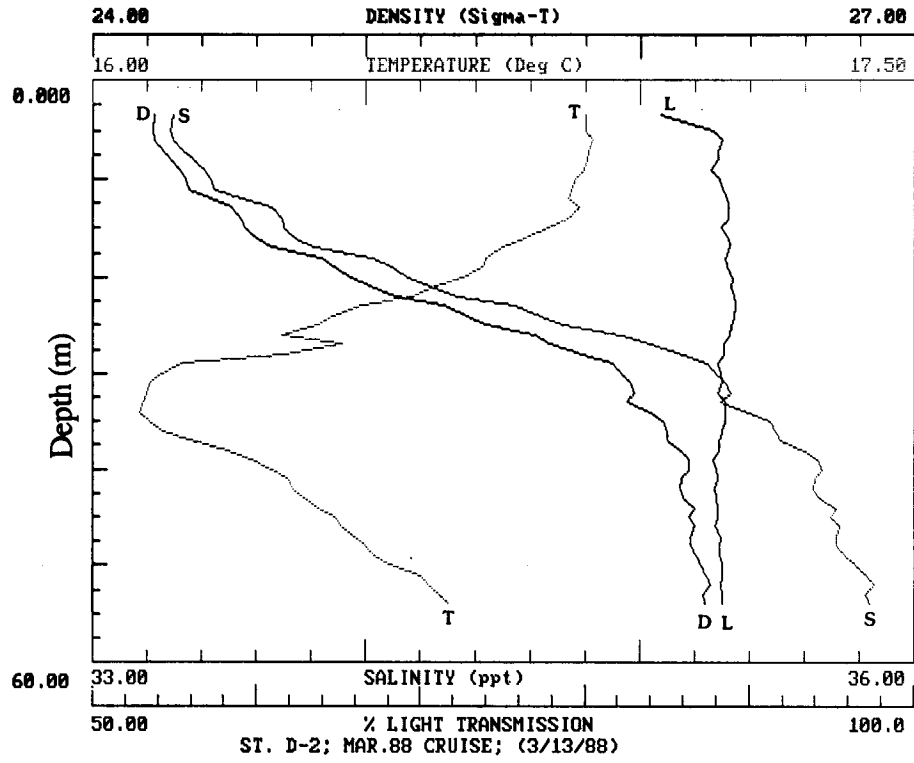


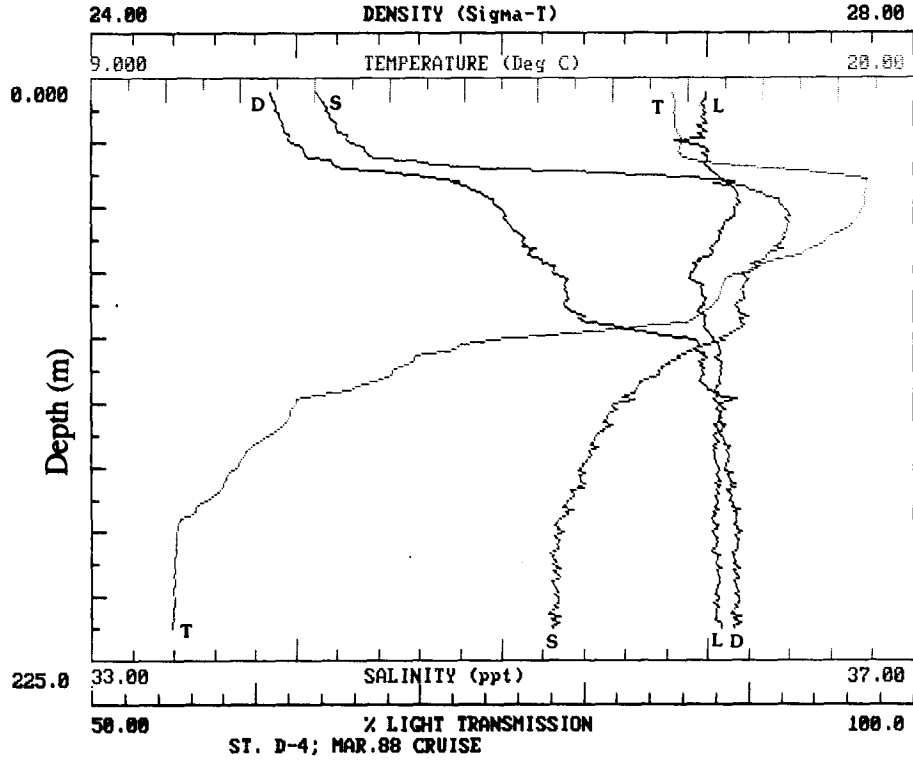
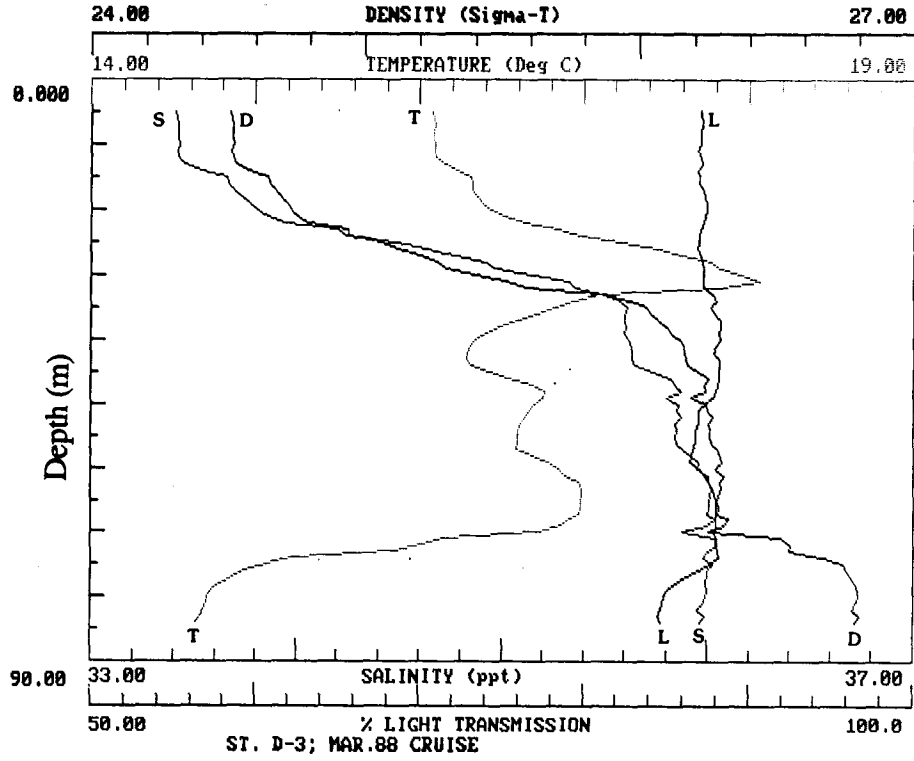


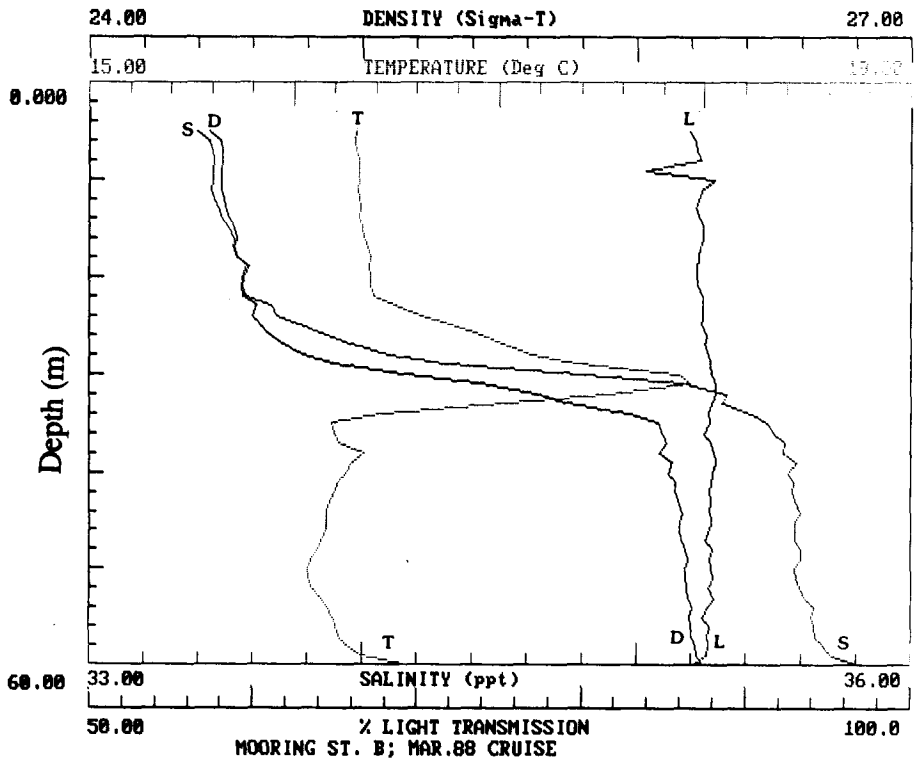
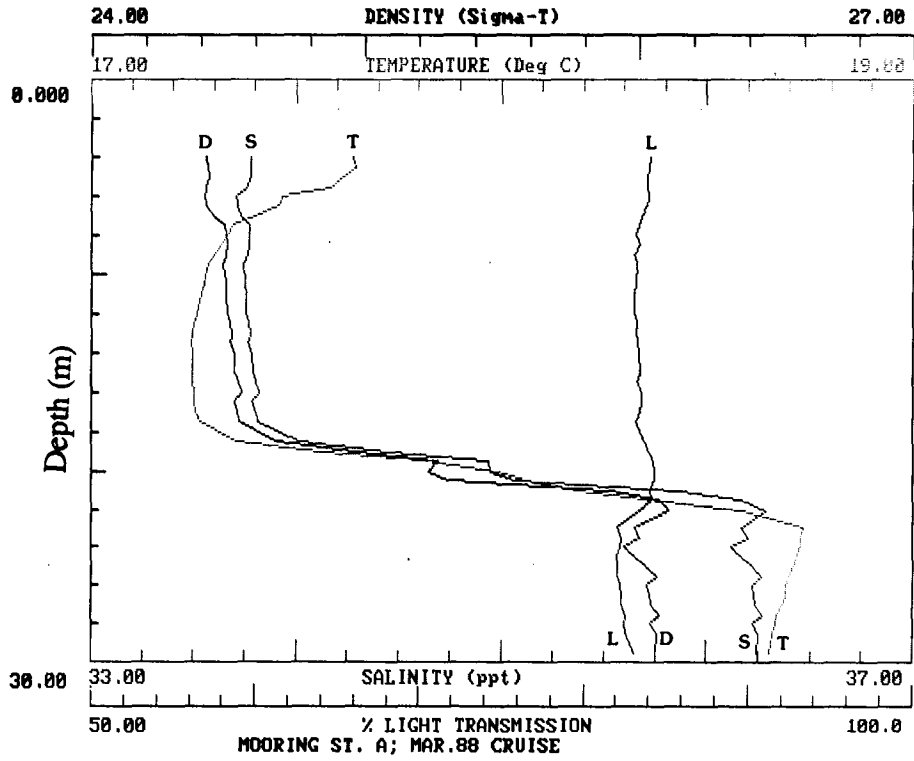


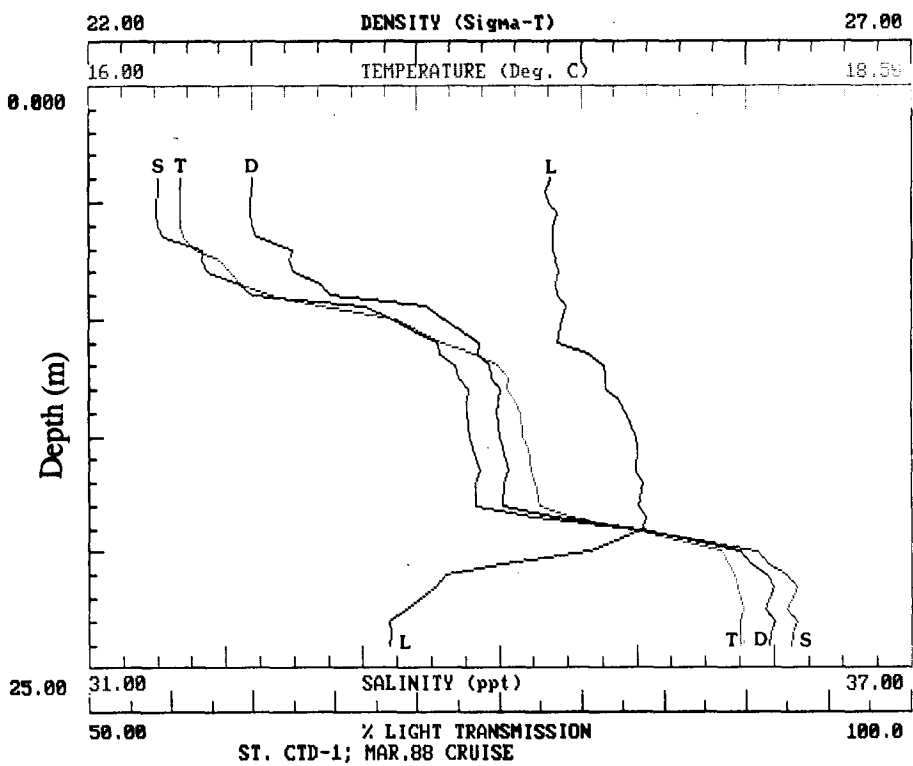
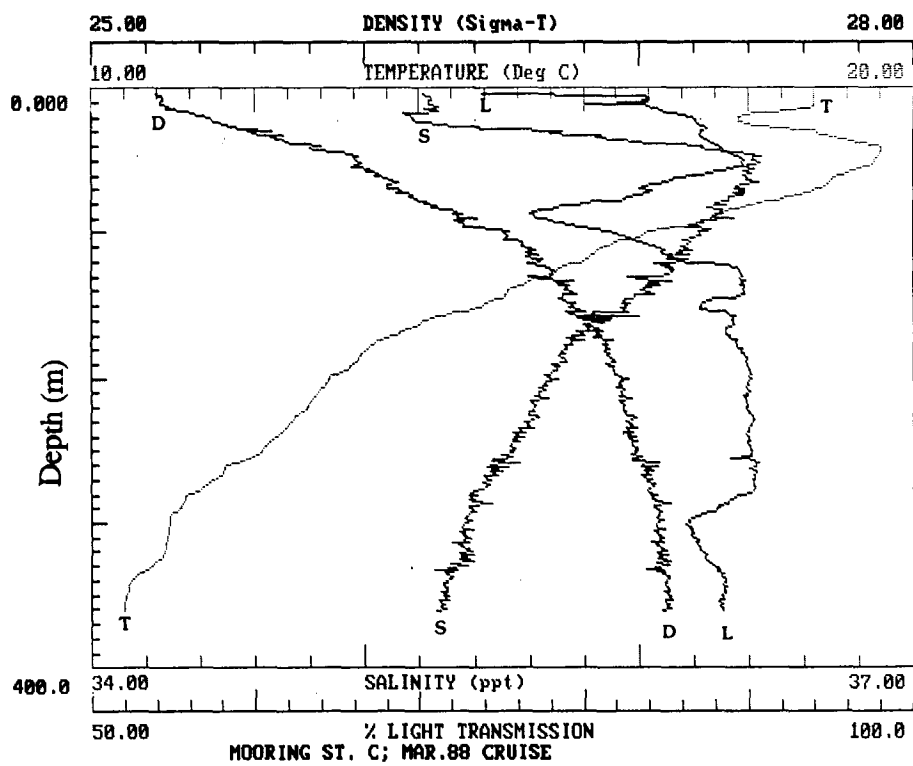
ST. M-4; MAR.88 CRUISE; (3/12/88)

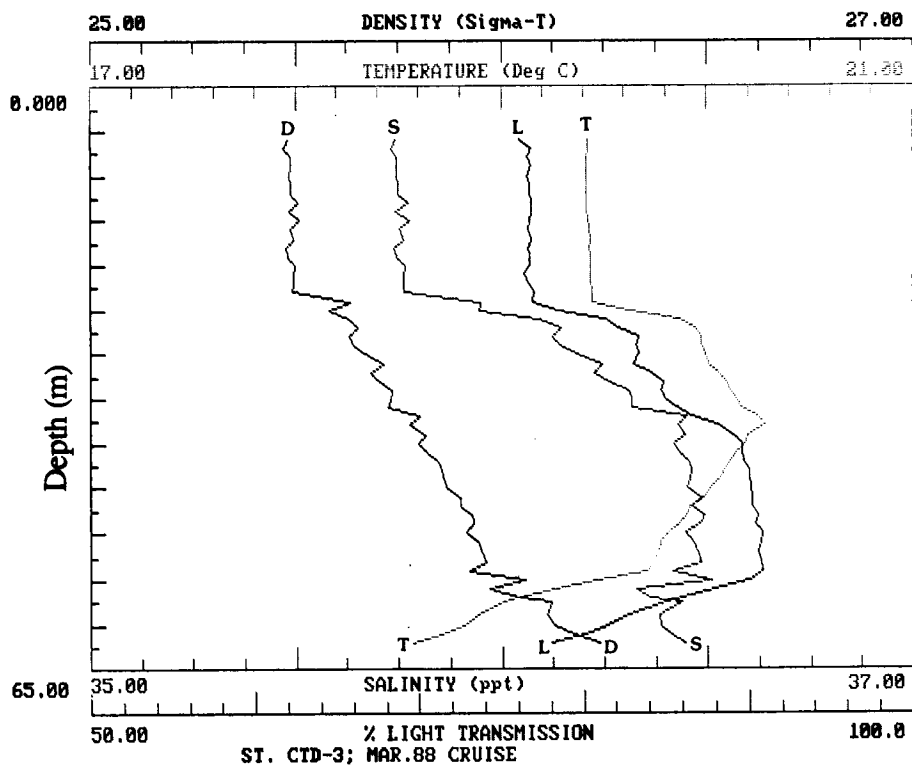
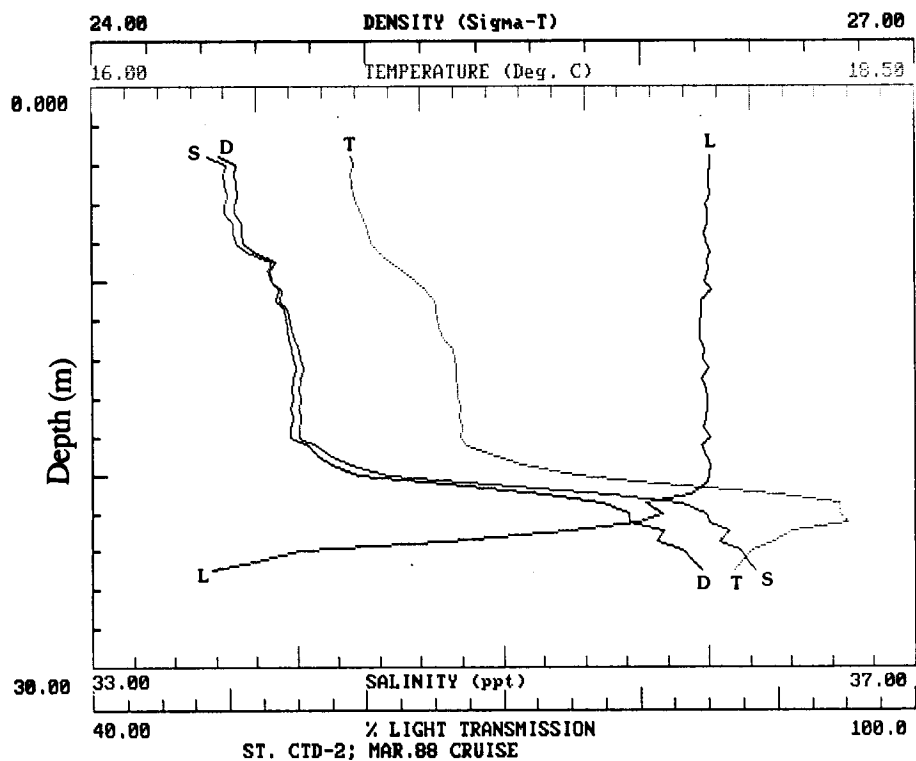






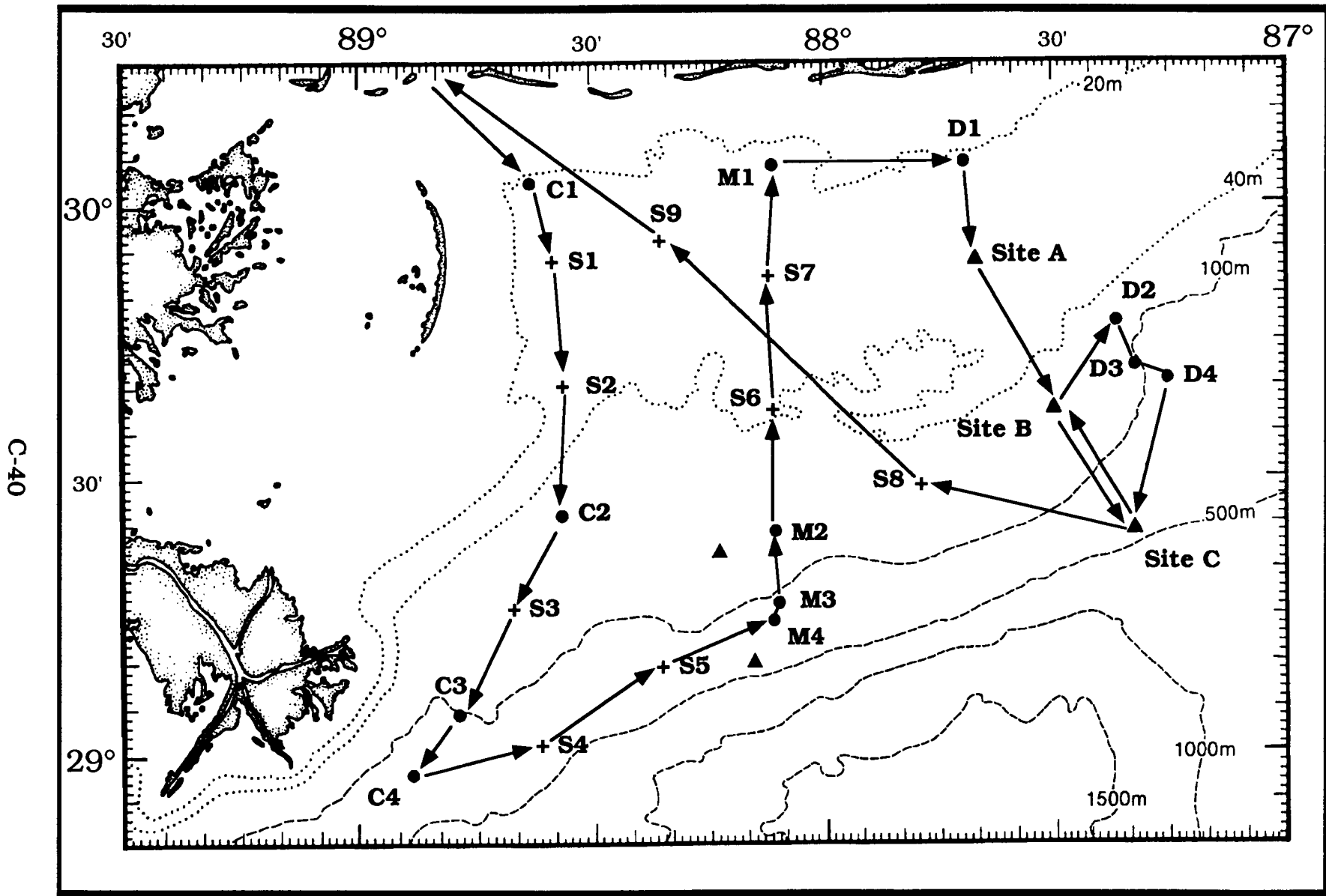




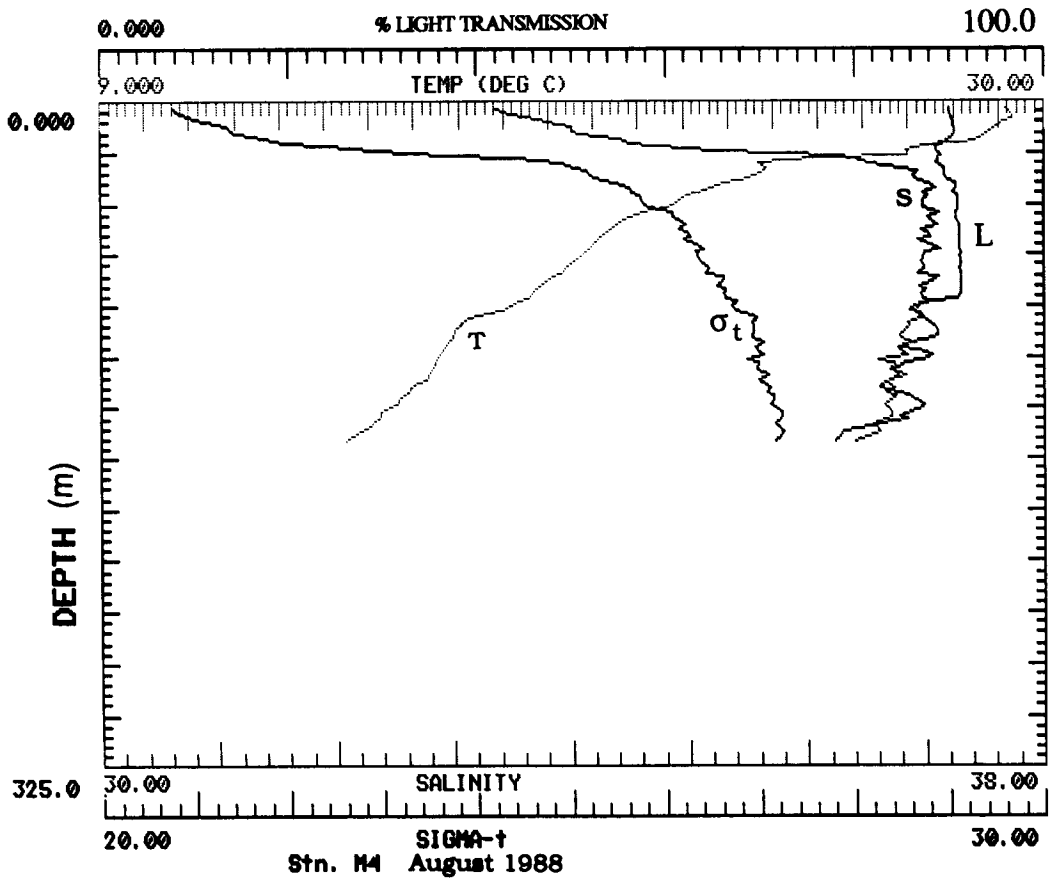


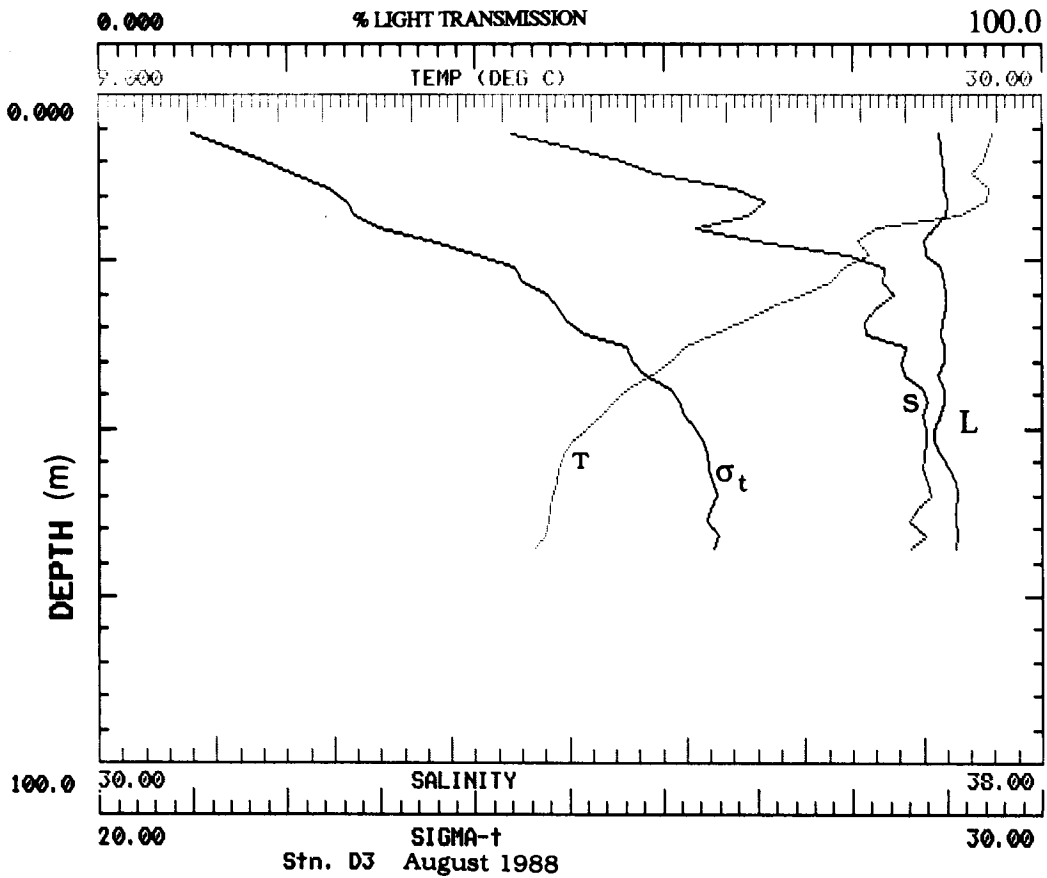
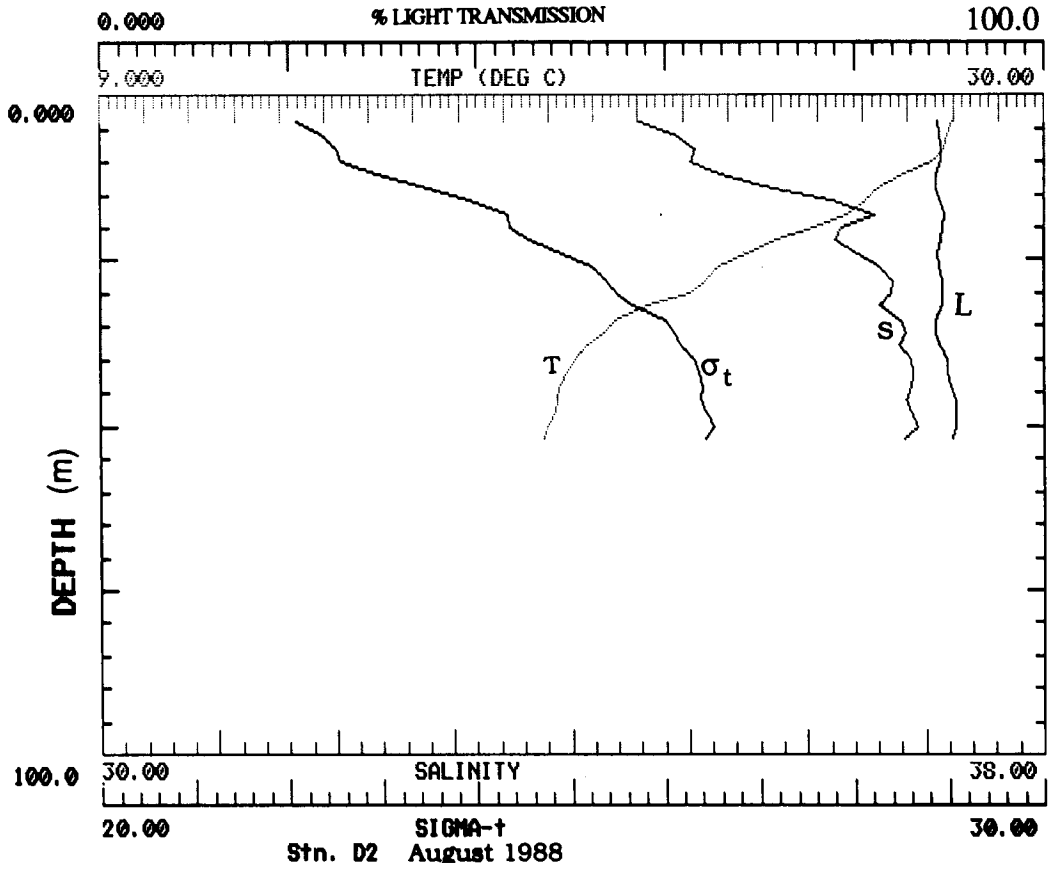
Cruise 3

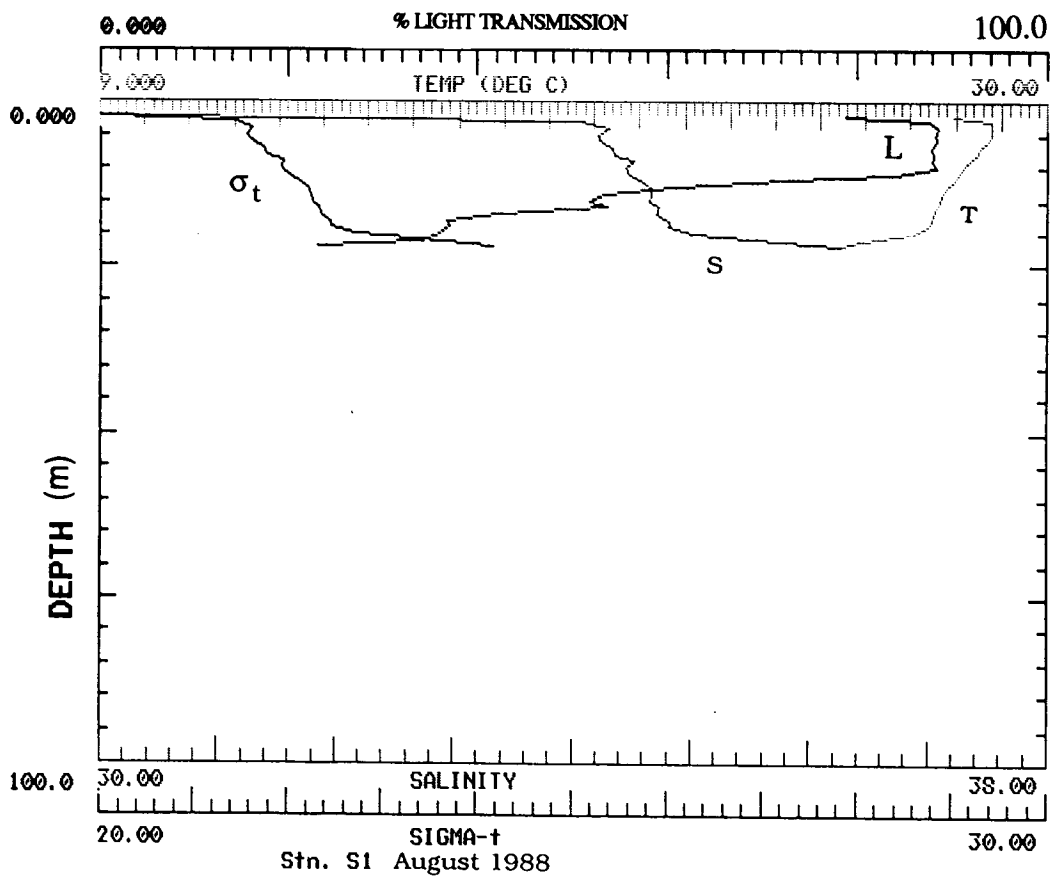
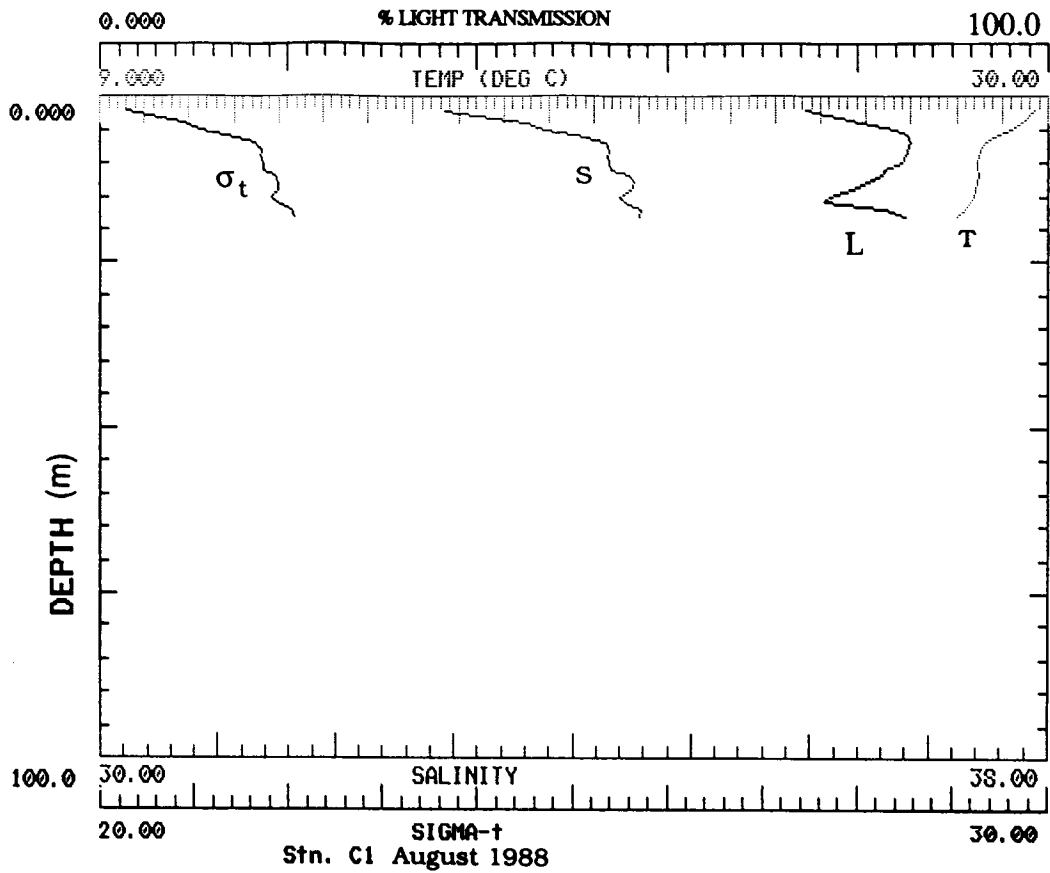
STATION	DATE	TIME (GMT)	LATITUDE	LONGITUDE
C1	8/19/88	21:54	30°03.56' N	88°38.09' W
S1	8/20/88	00:33	29°51.05' N	88°37.77' W
S2B	8/20/88	02:41	29°38.04' N	88°34.11' W
C2	8/20/88	04:06	29°26.93' N	88°34.32' W
S3	8/20/88	10:42	29°15.47' N	88°41.19' W
C3	8/20/88	14:51	29°04.58' N	88°46.98' W
C4	8/20/88	17:07	28°54.85' N	88°52.46' W
C4B	8/21/88	01:38	28°55.31' N	88°52.95' W
S4	8/21/88	04:08	29°02.79' N	88°36.42' W
S5	8/21/88	06:09	29°09.26' N	88°20.86' W
M4	8/21/88	12:02	29°15.20' N	88°06.79' W
M3	8/21/88	14:23	29°16.79' N	88°06.37' W
M2A	8/21/88	17:58	29°24.27' N	88°06.49' W
M2B	8/21/88	18:33	29°24.26' N	88°06.48' W
S6	8/21/88	23:23	29°37.70' N	88°06.75' W
S7	8/22/88	01:24	29°51.06' N	88°06.60' W
M1	8/22/88	03:17	30°04.82' N	88°06.90' W
D1	8/22/88	10:19	30°05.20' N	87°41.42' W
D2	8/23/88	01:42	29°47.83' N	87°23.03' W
D3	8/23/88	08:47	29°43.21' N	87°20.18' W
D4	8/23/88	15:53	29°40.88' N	87°15.66' W
B	8/24/88	05:35	29°37.43' N	87°31.59' W
C	8/25/88	06:00	29°24.58' N	87°20.36' W
S8	8/25/88	09:15	29°29.76' N	87°46.53' W
S9	8/25/88	13:48	29°52.70' N	88°19.22' W

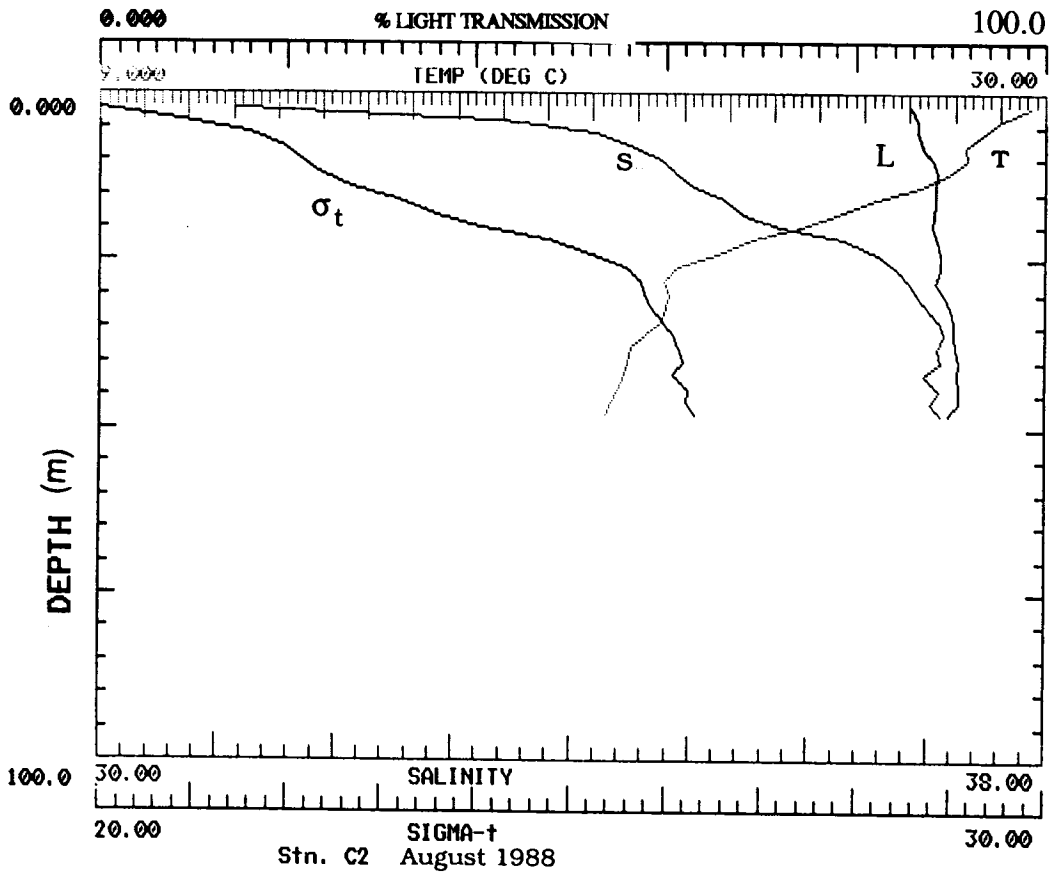
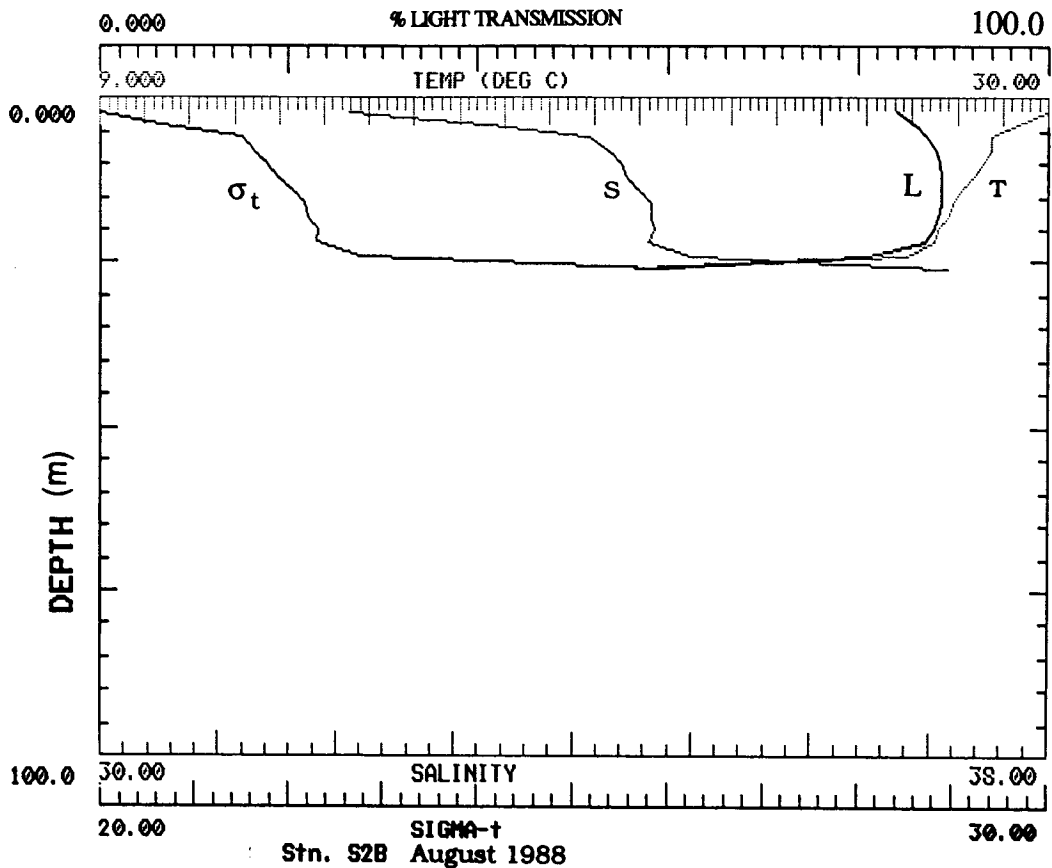


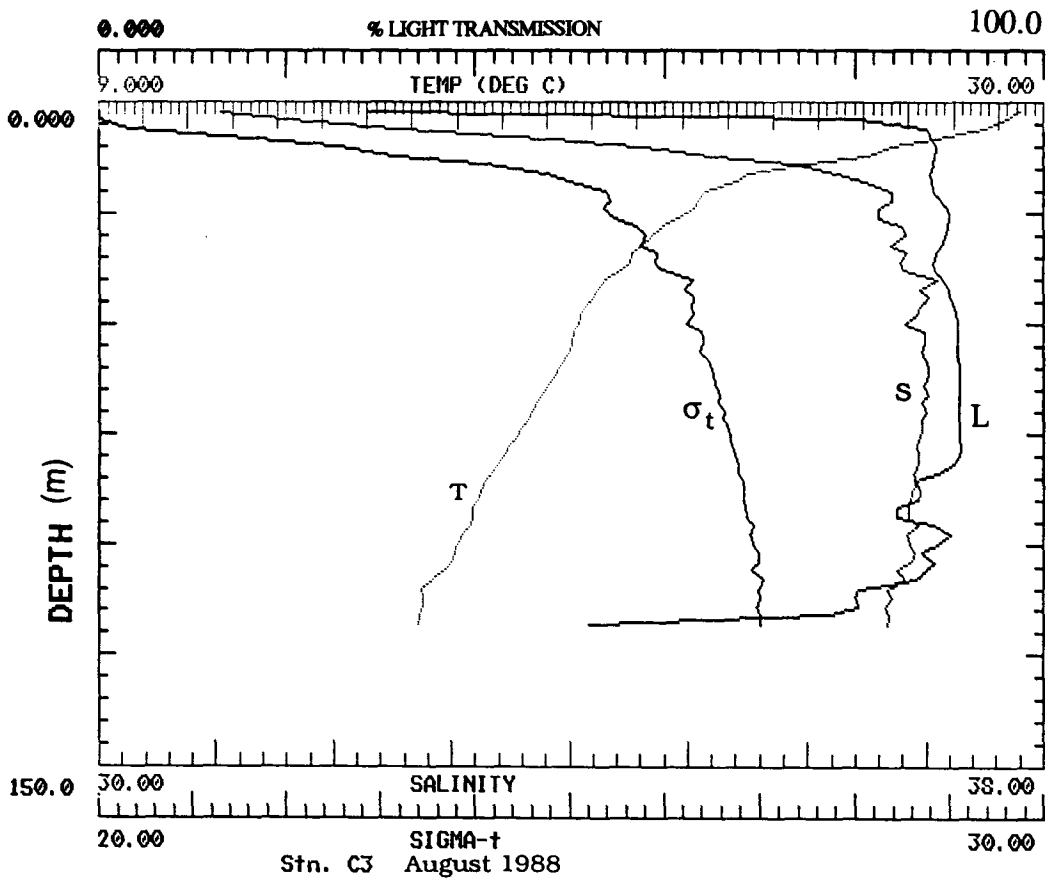
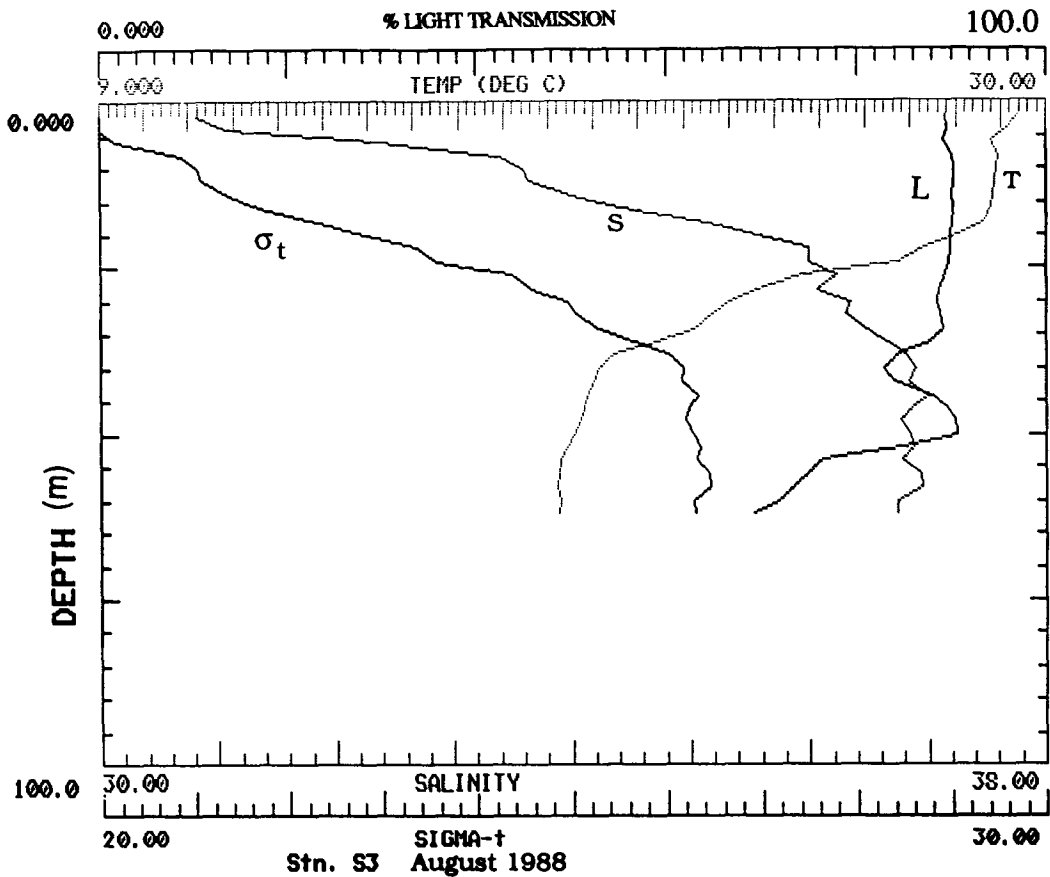
Cruise Track for Cruise 3

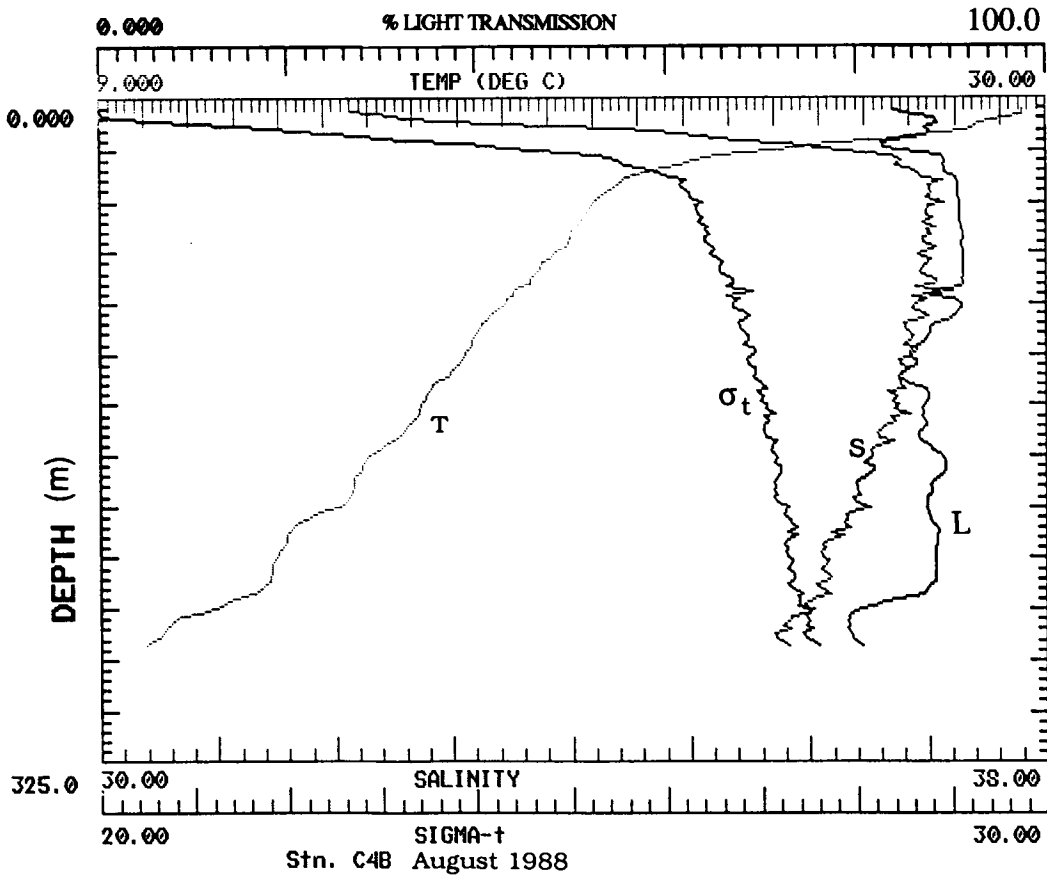
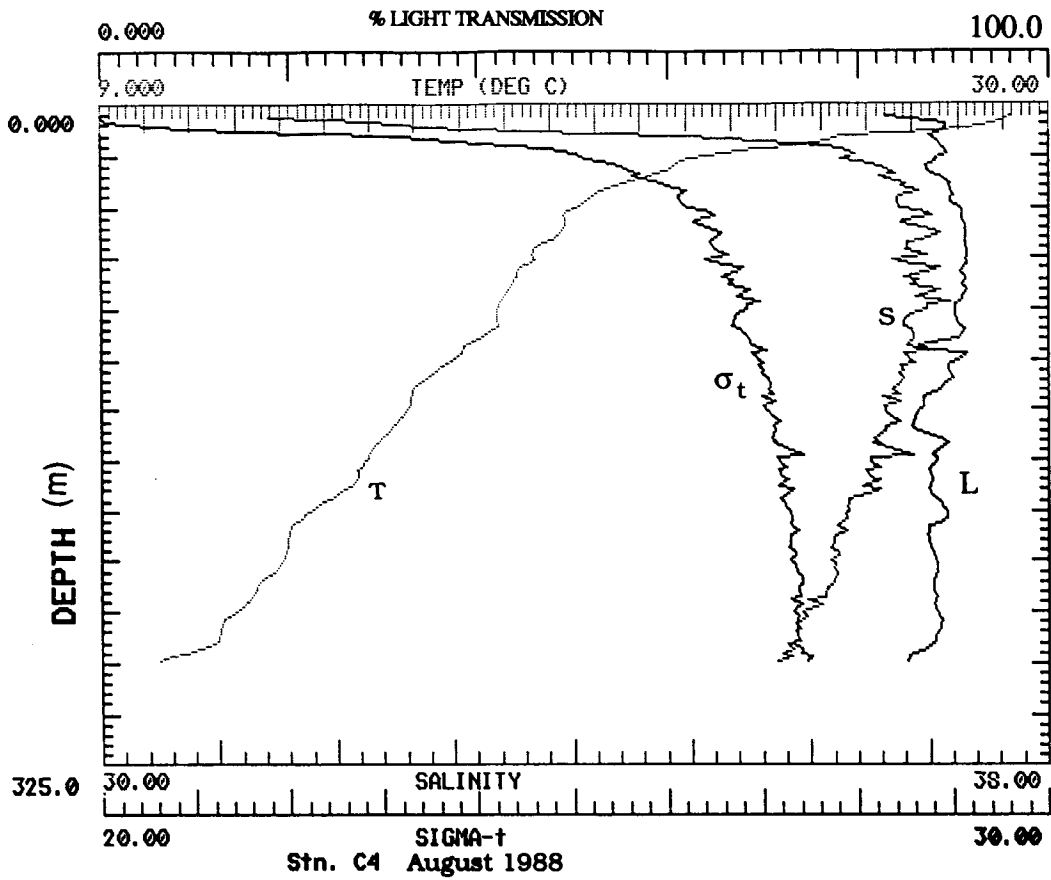


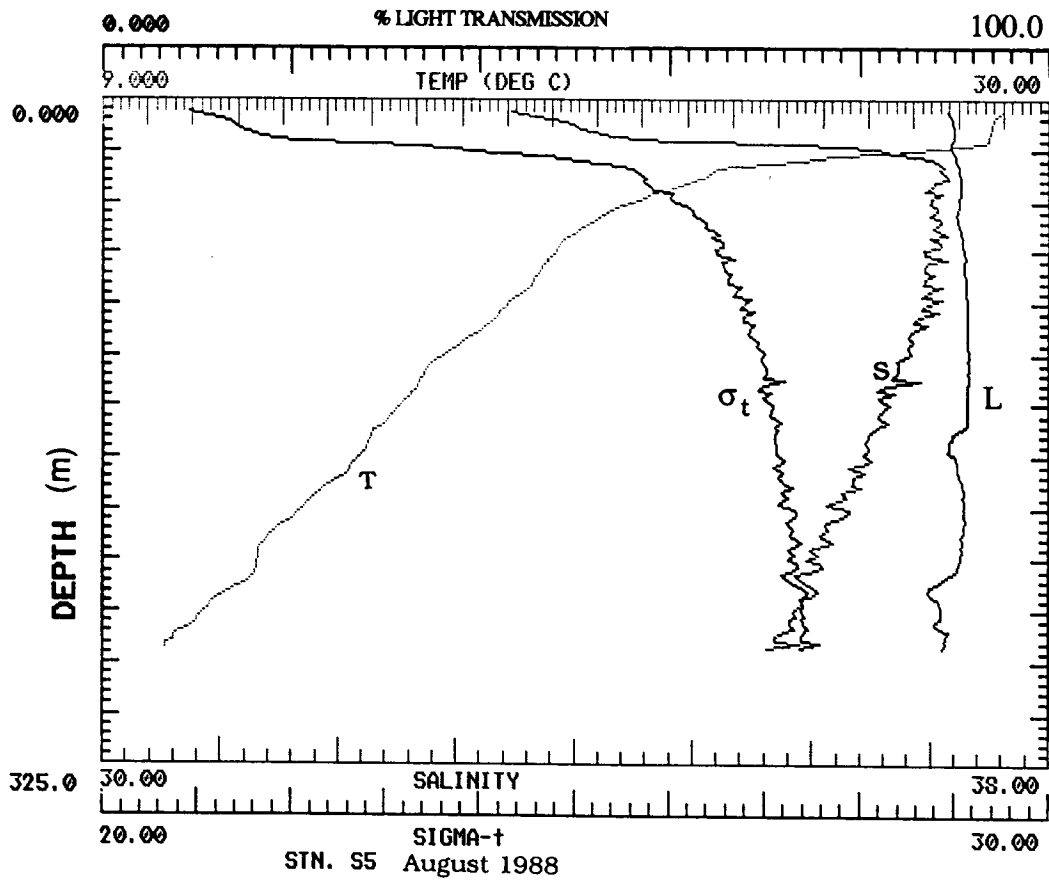
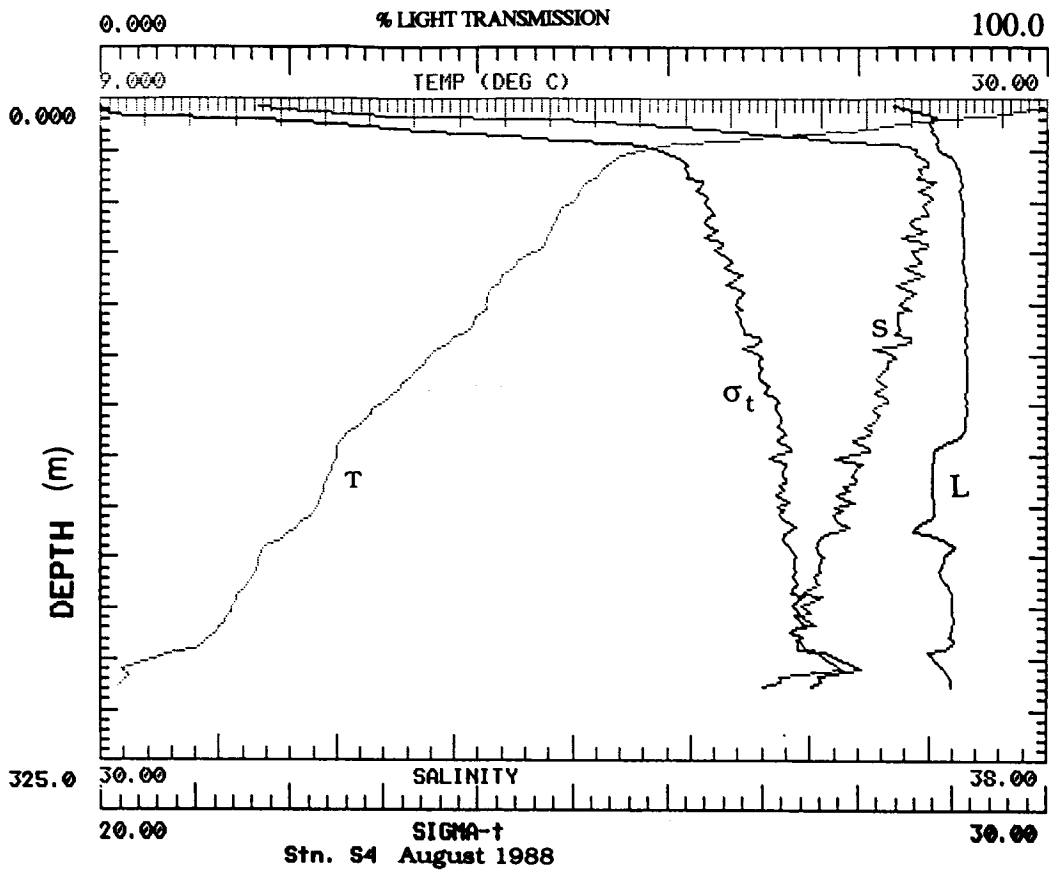


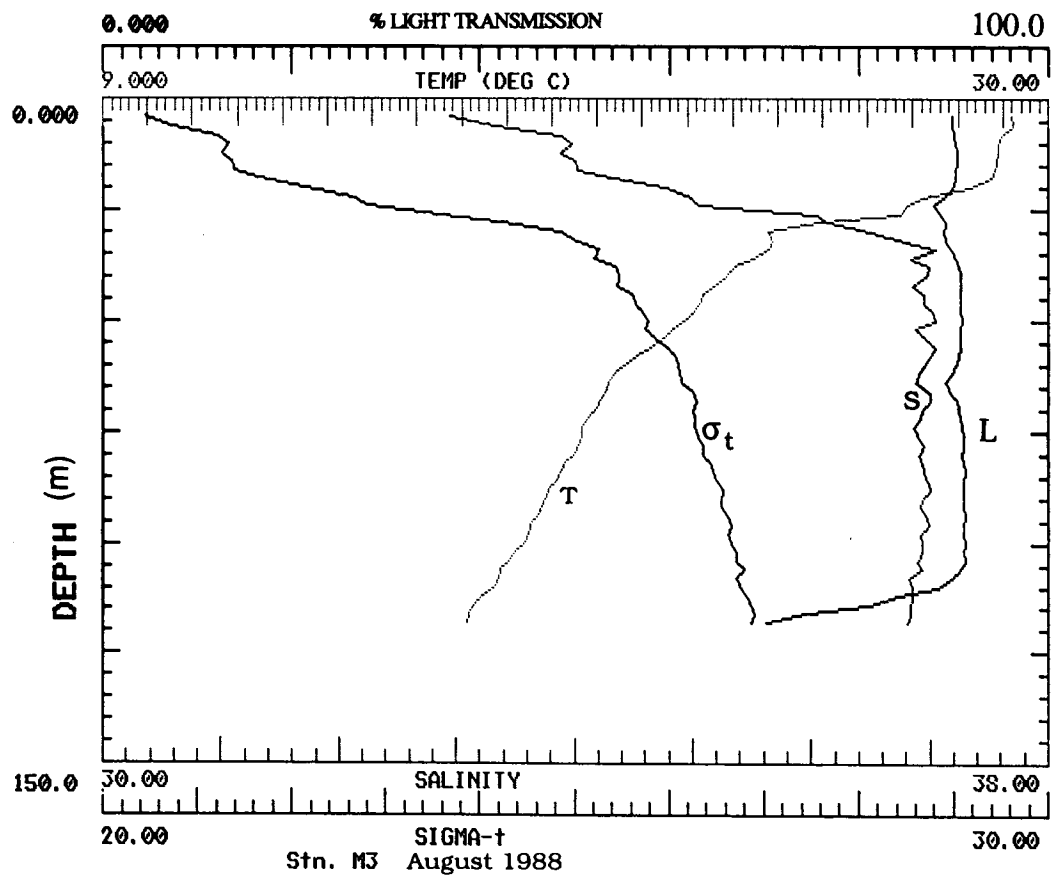
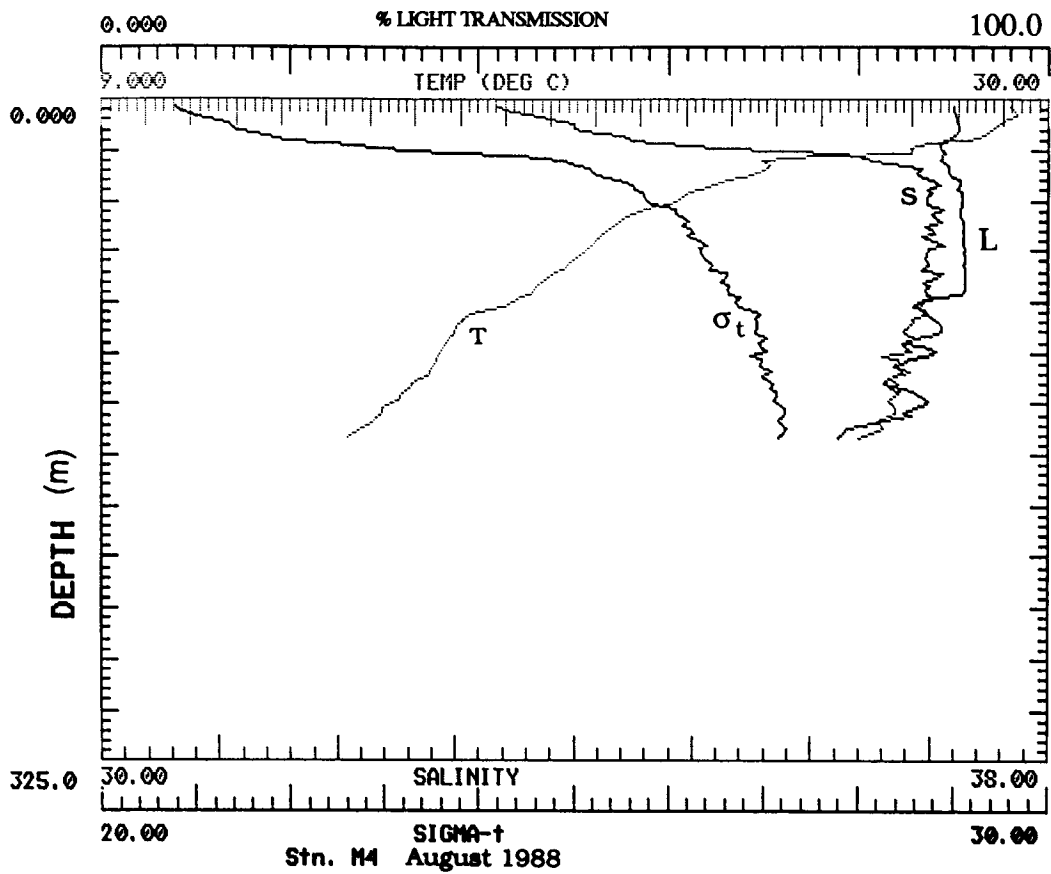


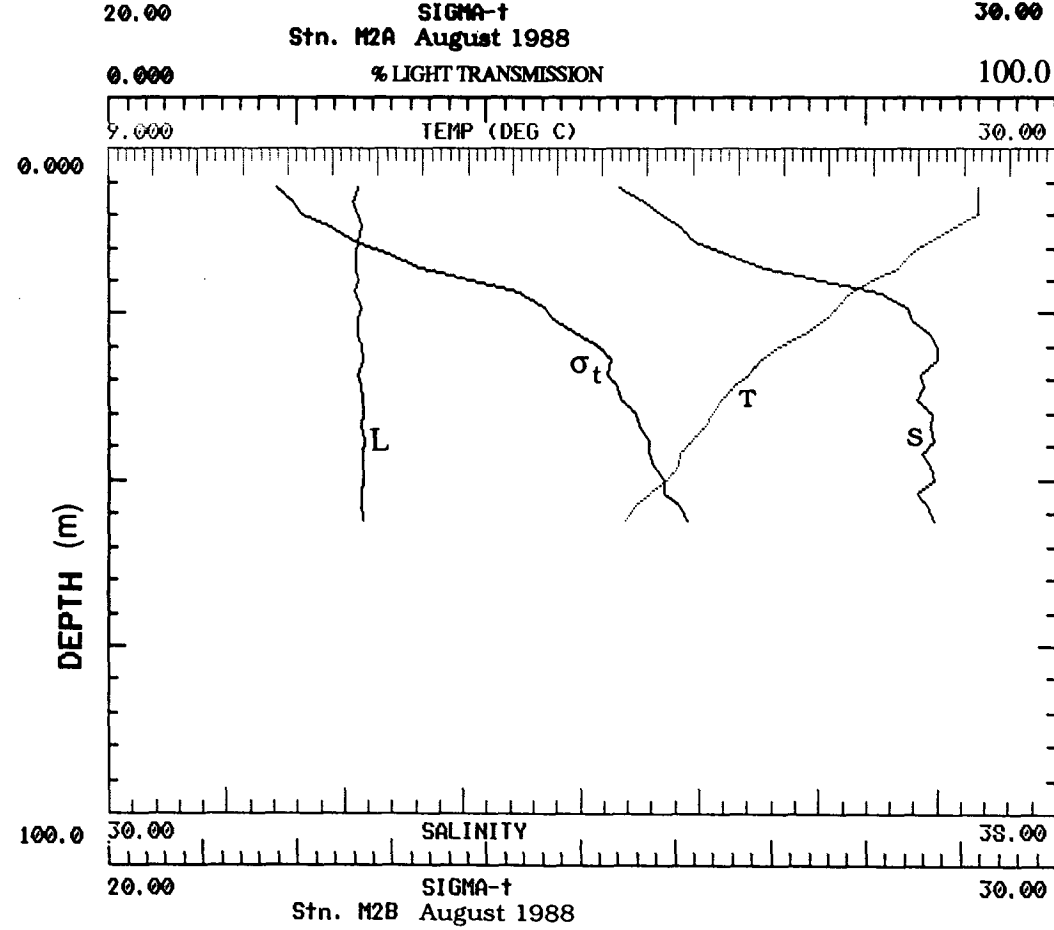
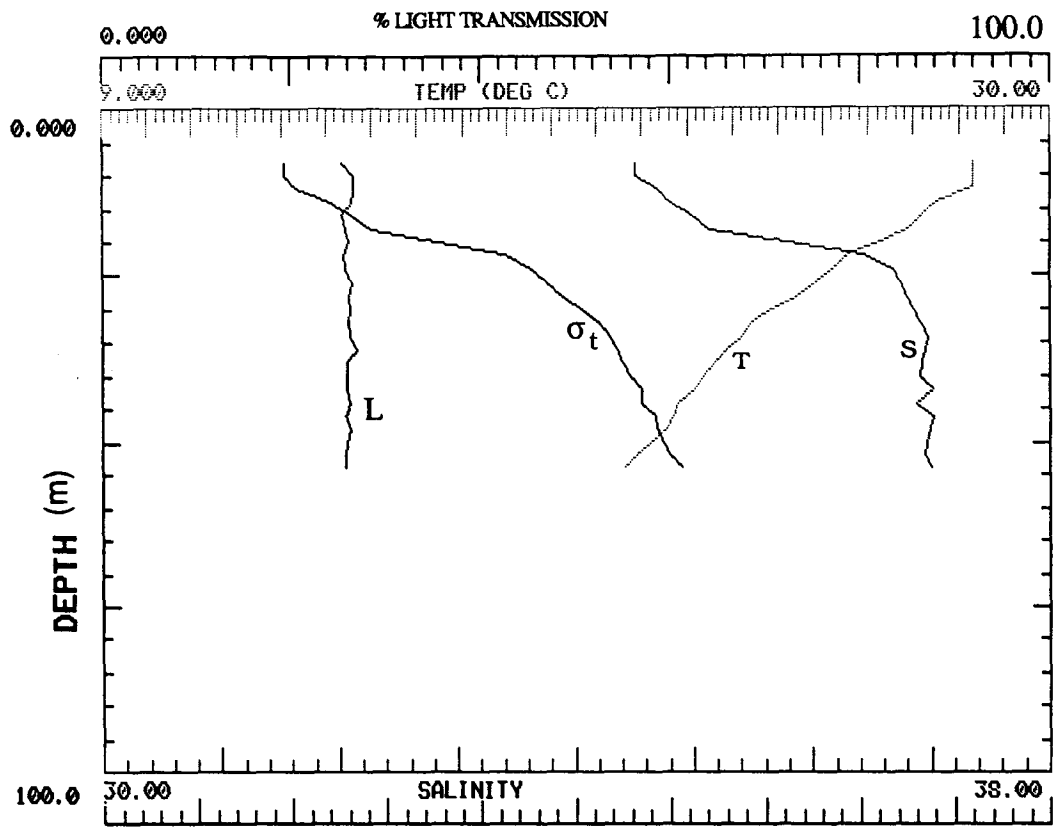


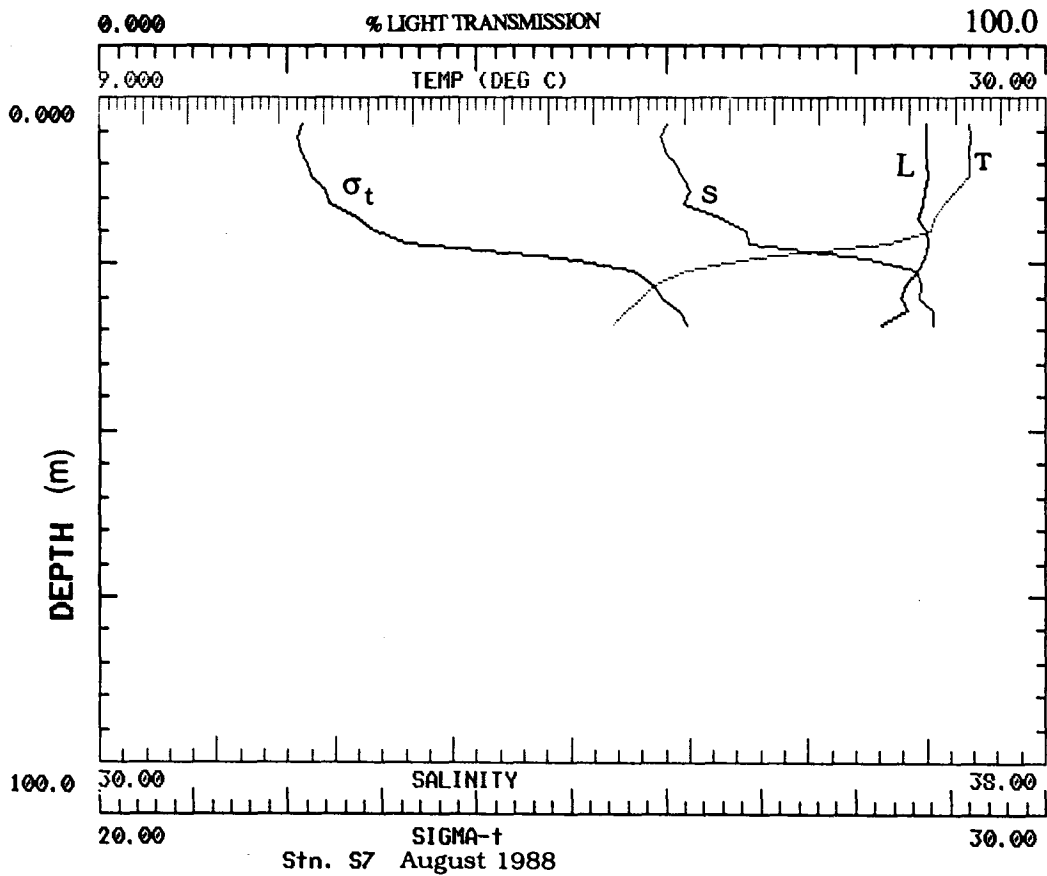
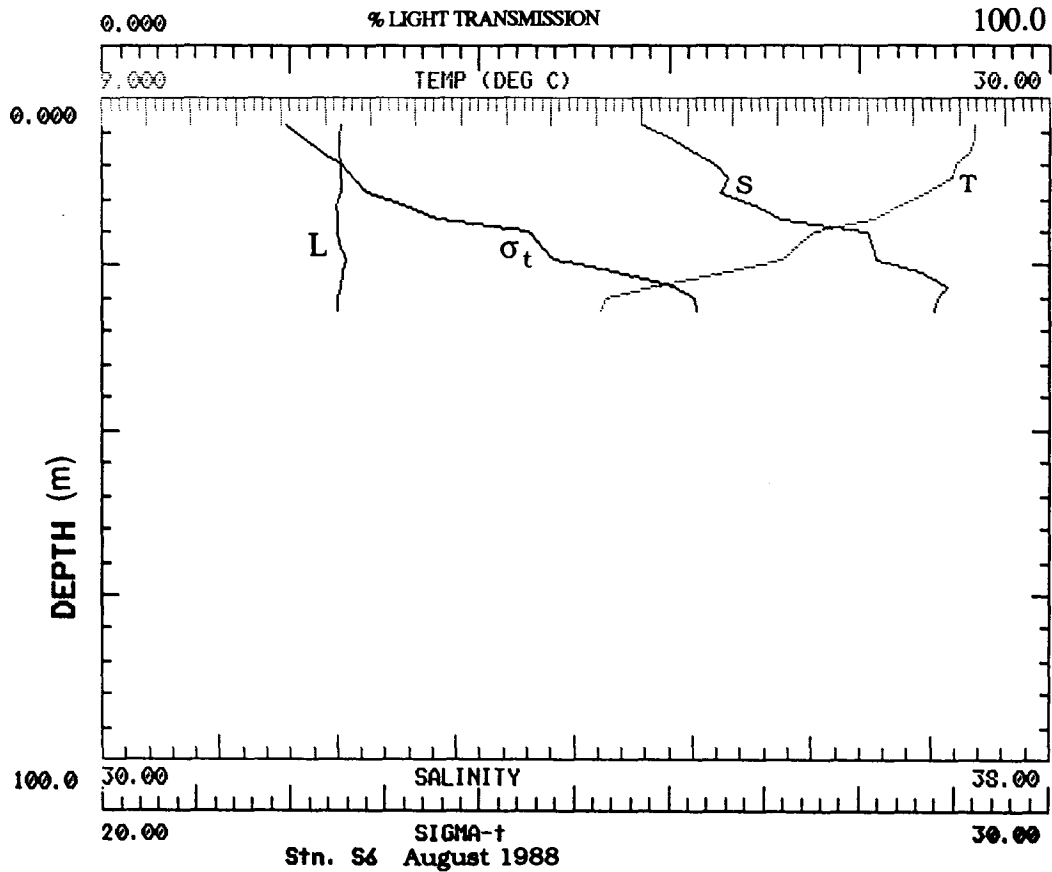


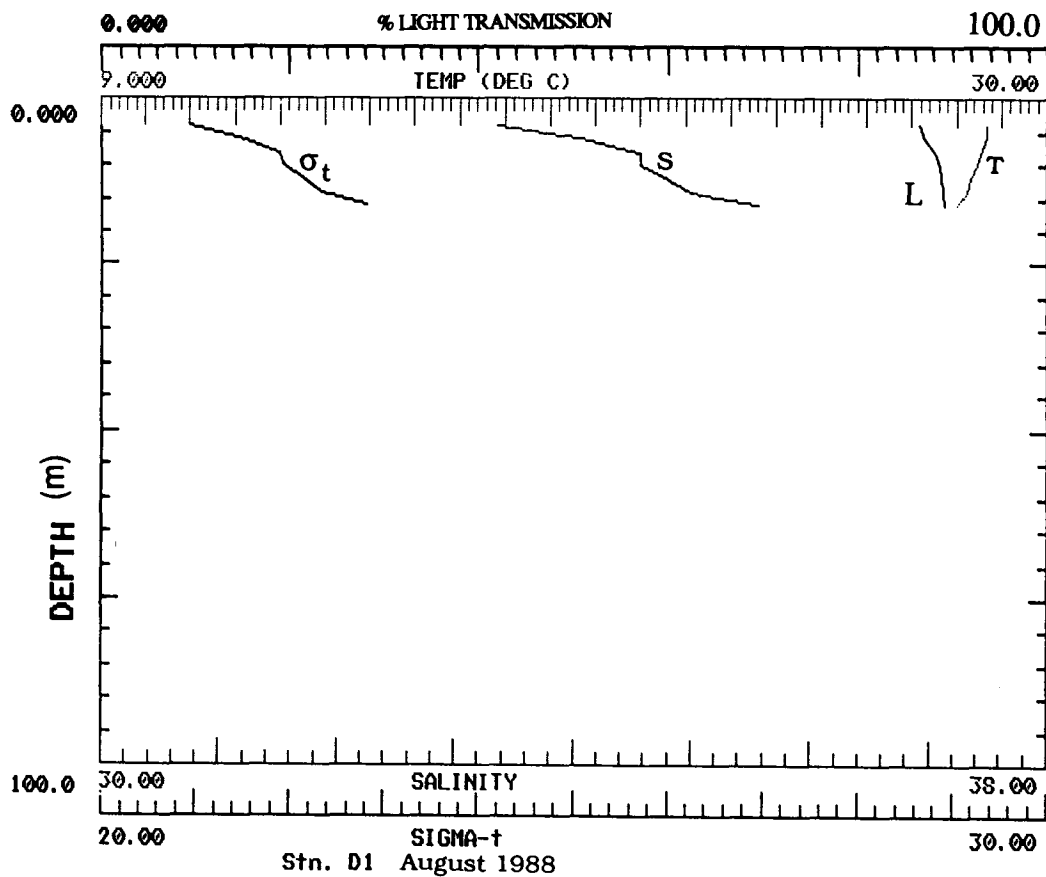
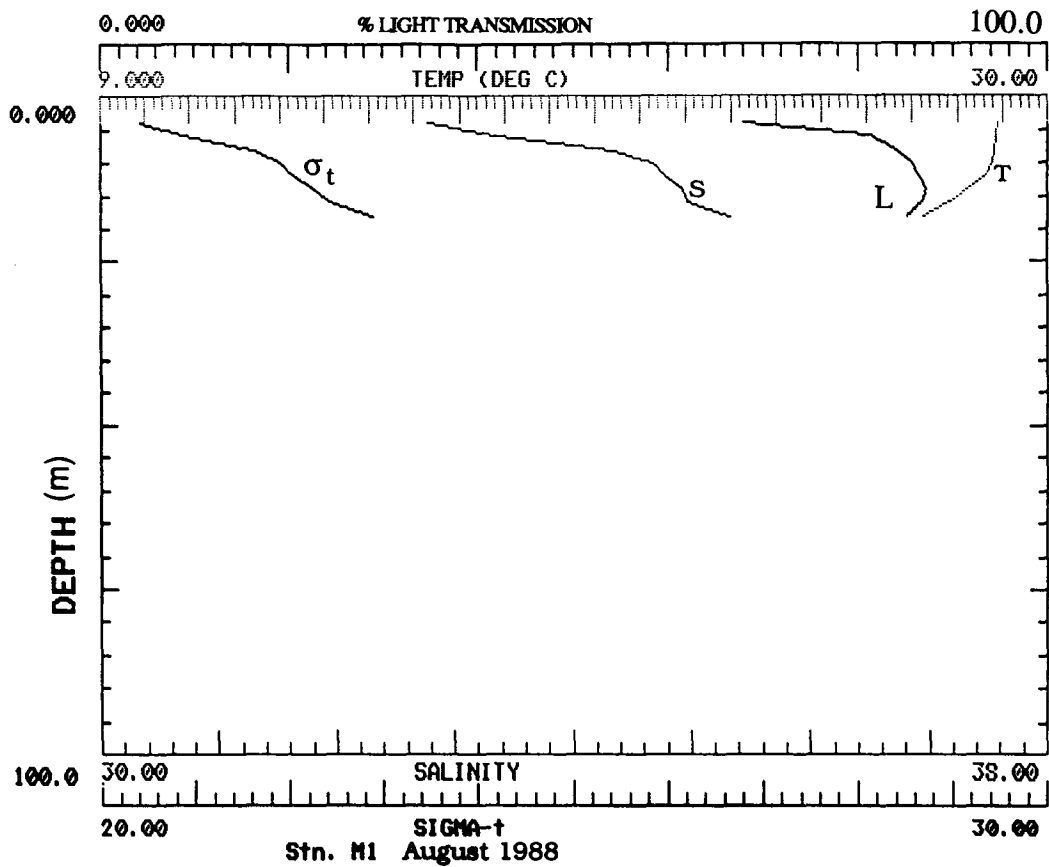


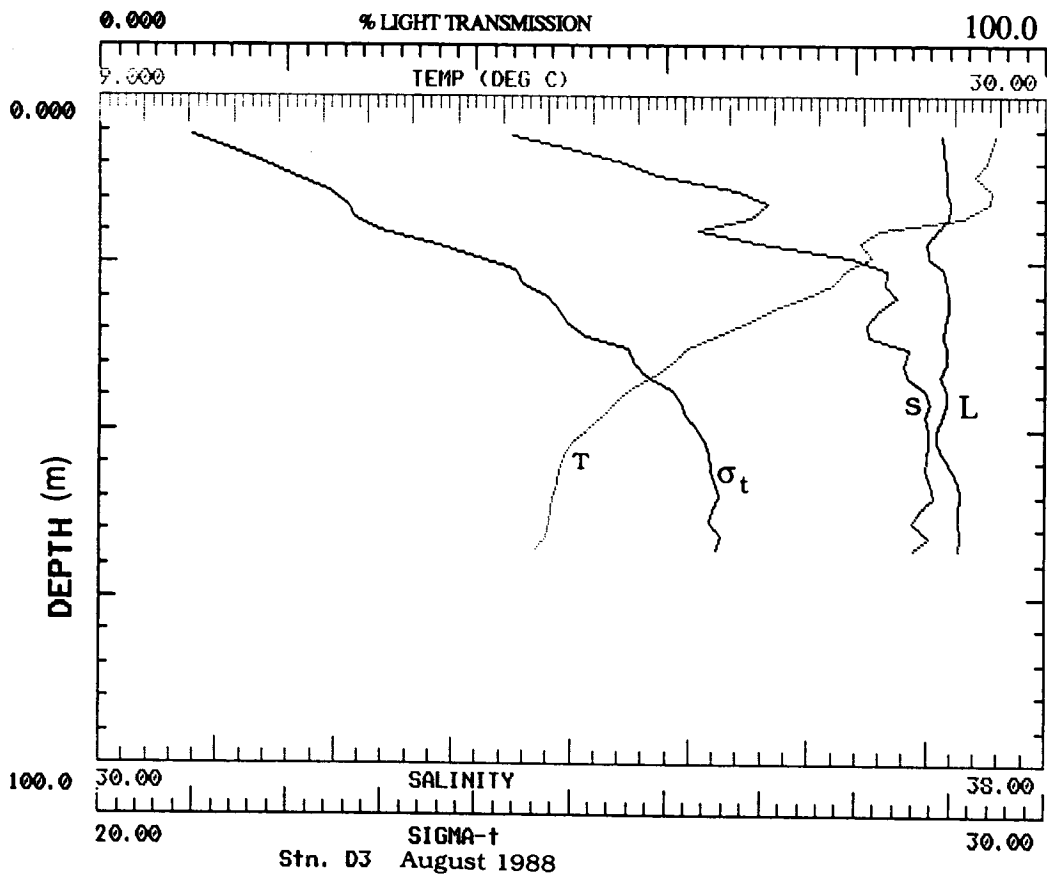
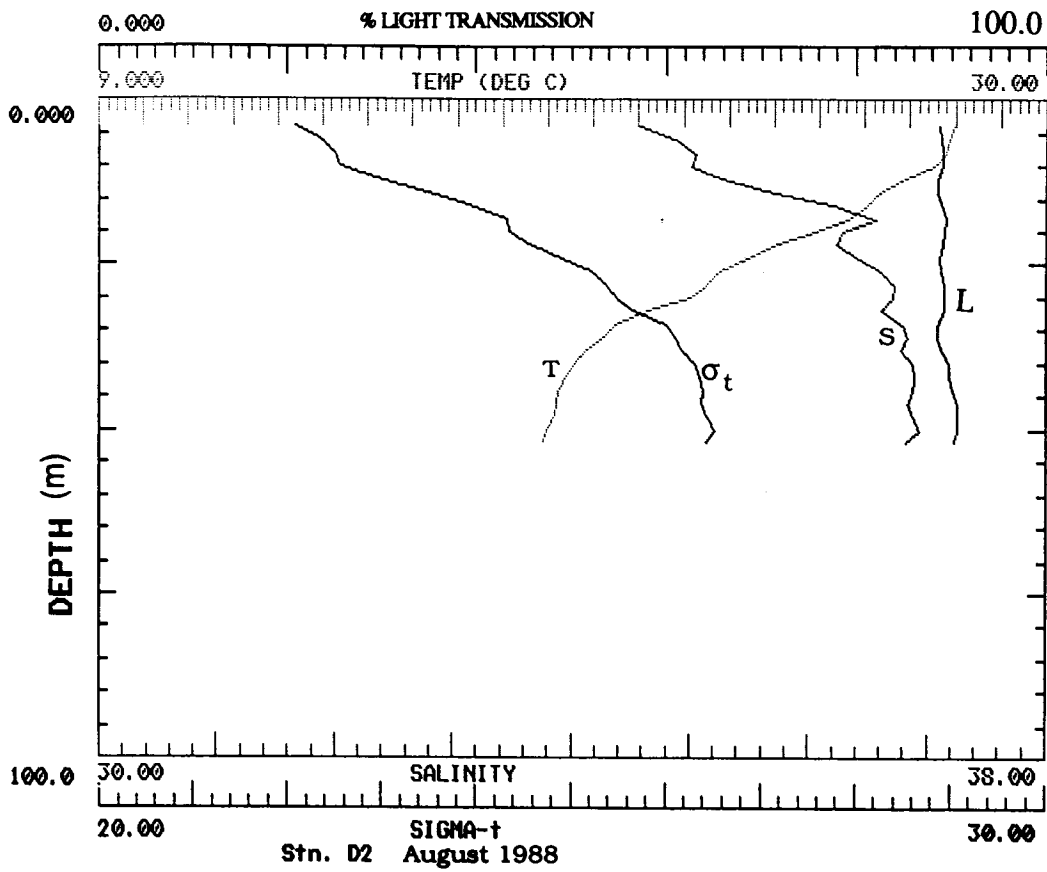


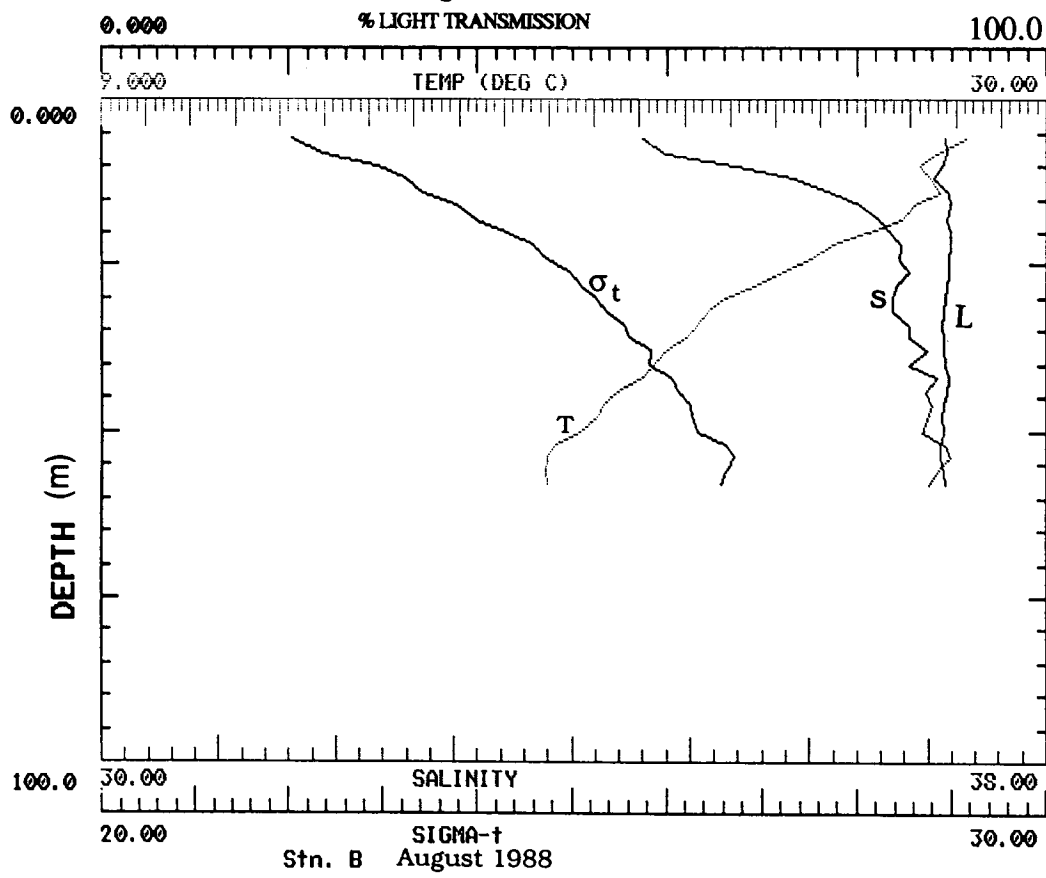
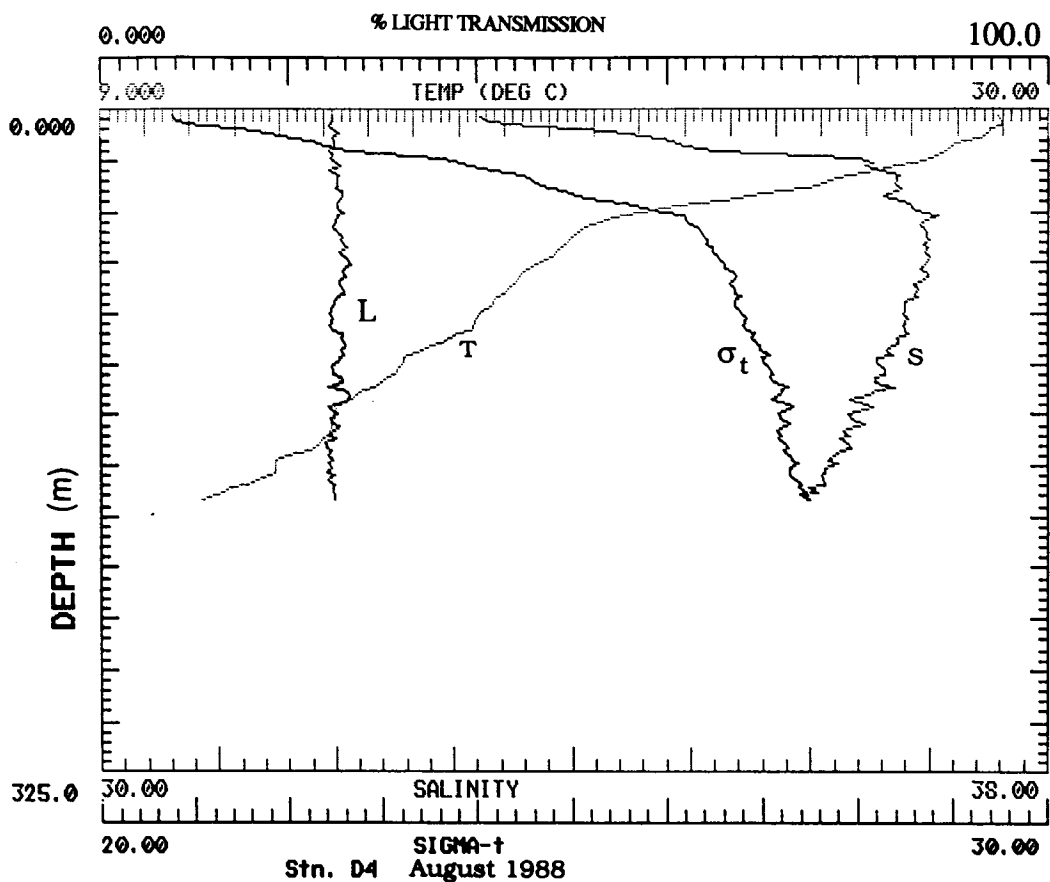


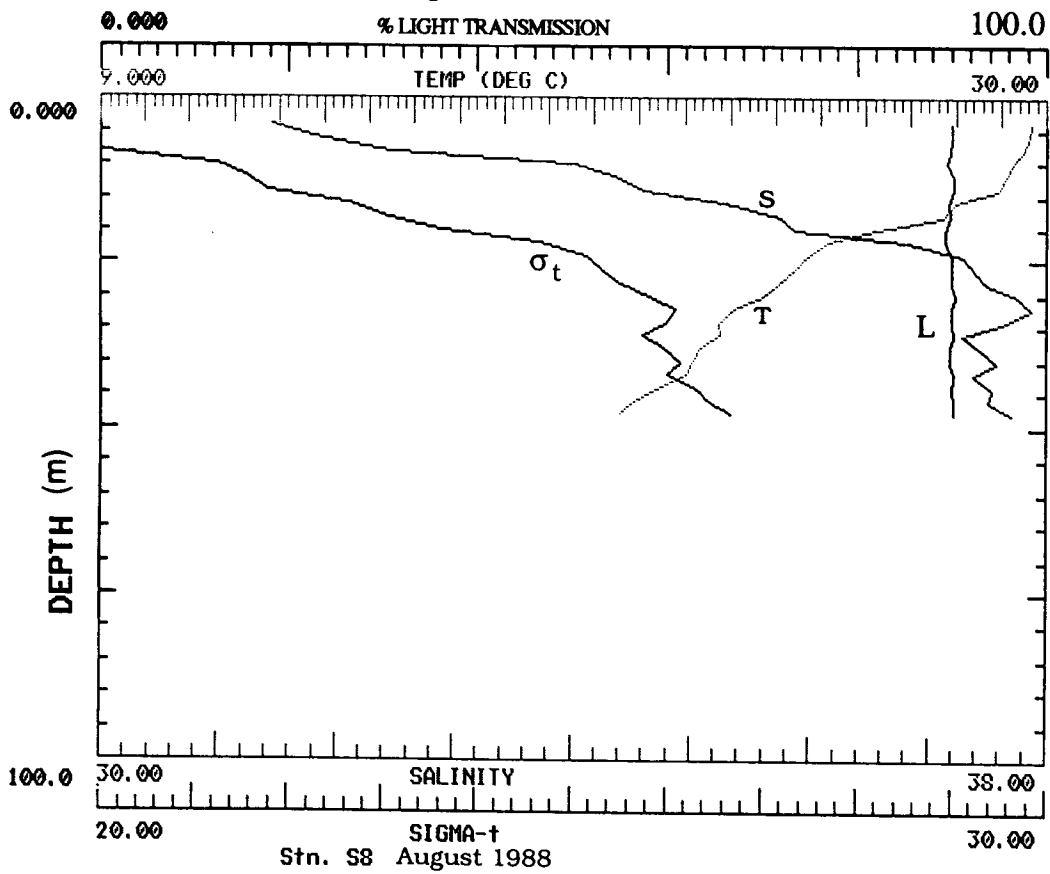
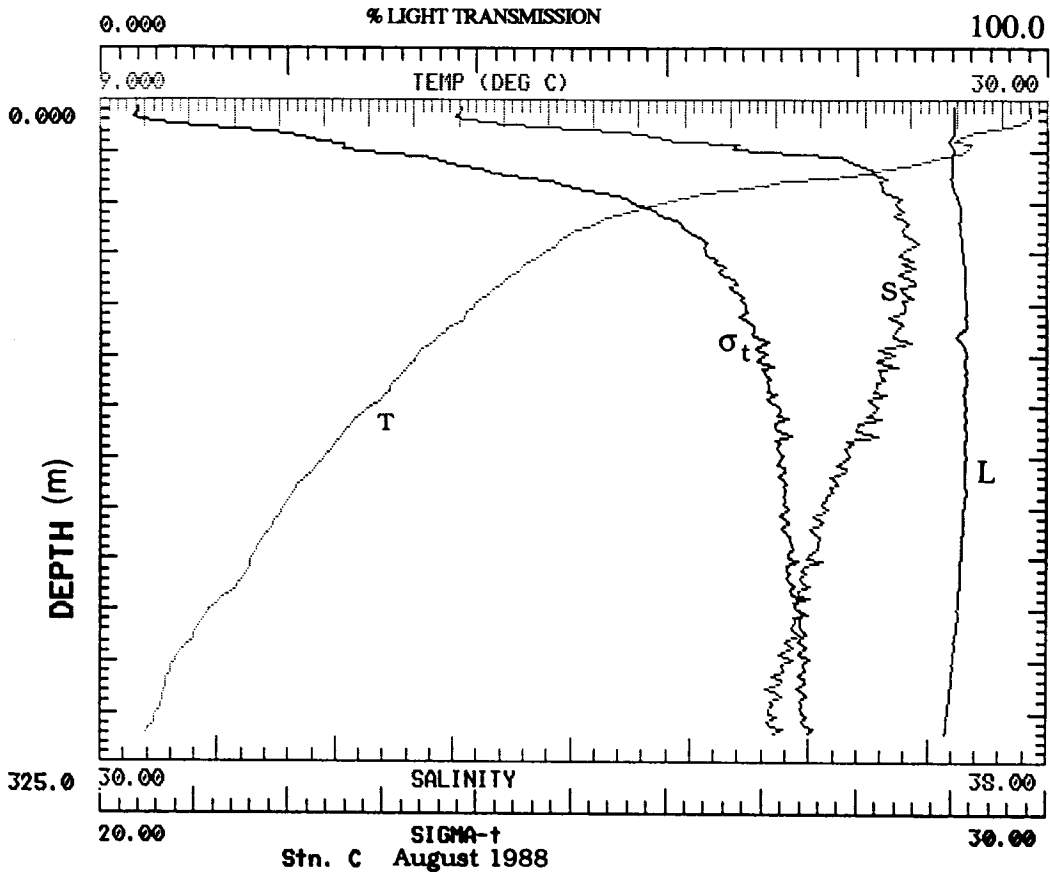


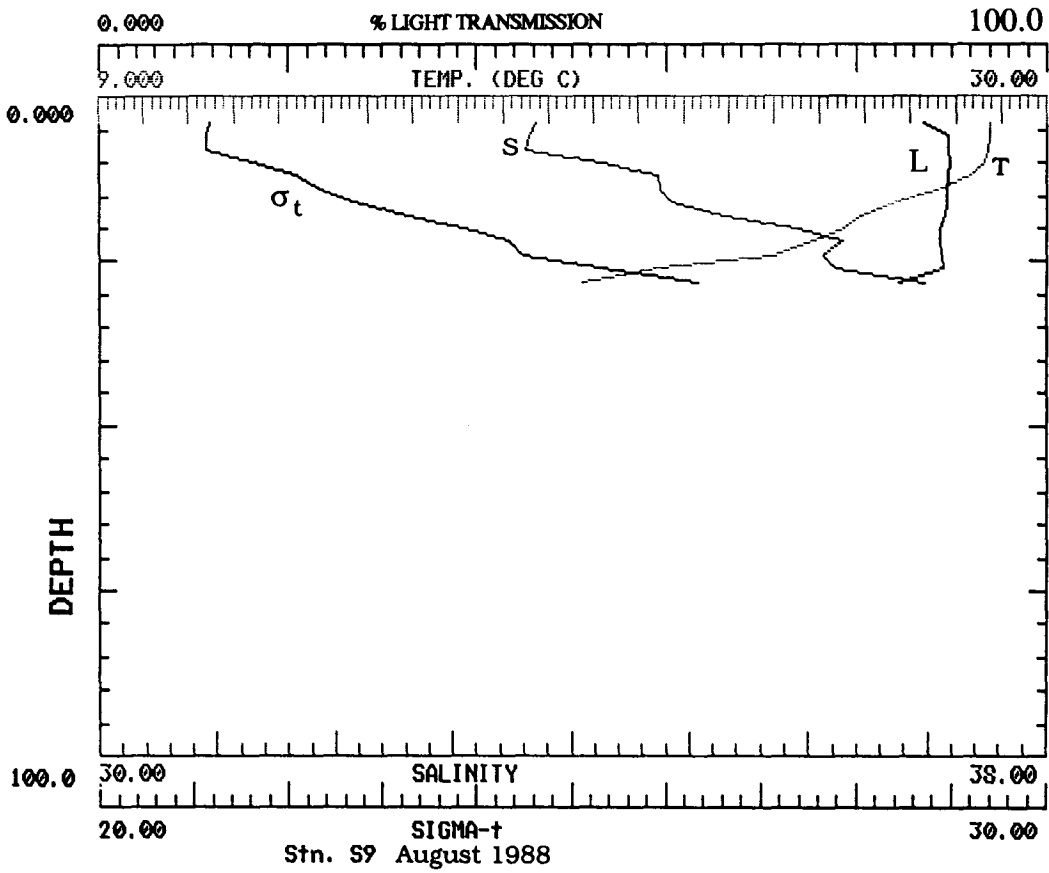








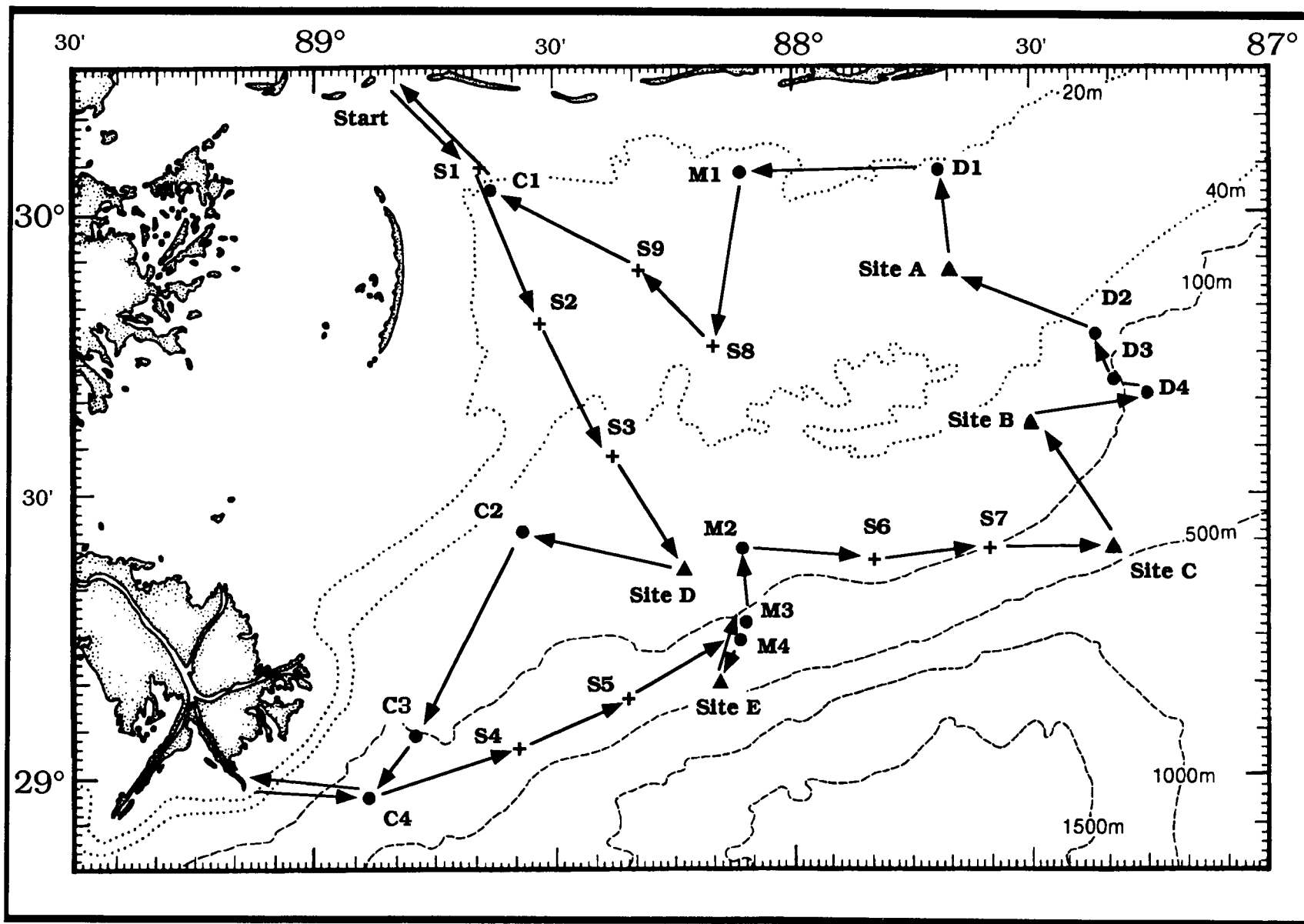




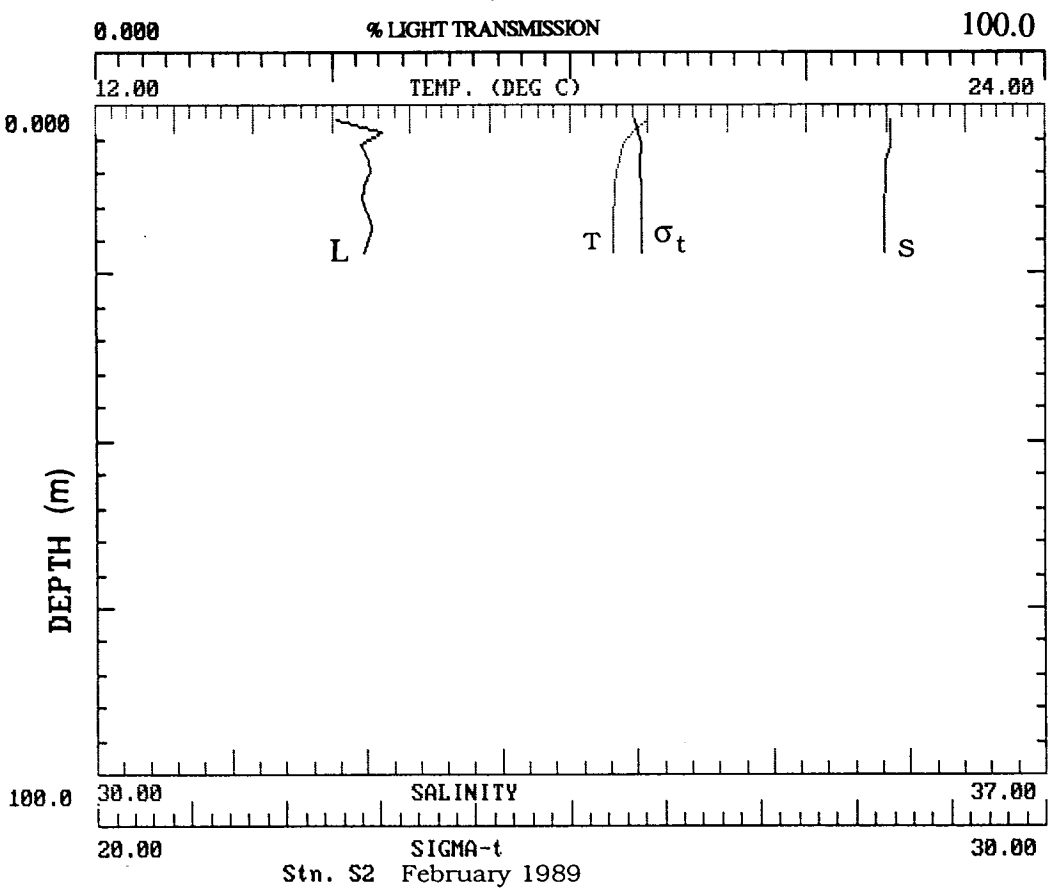
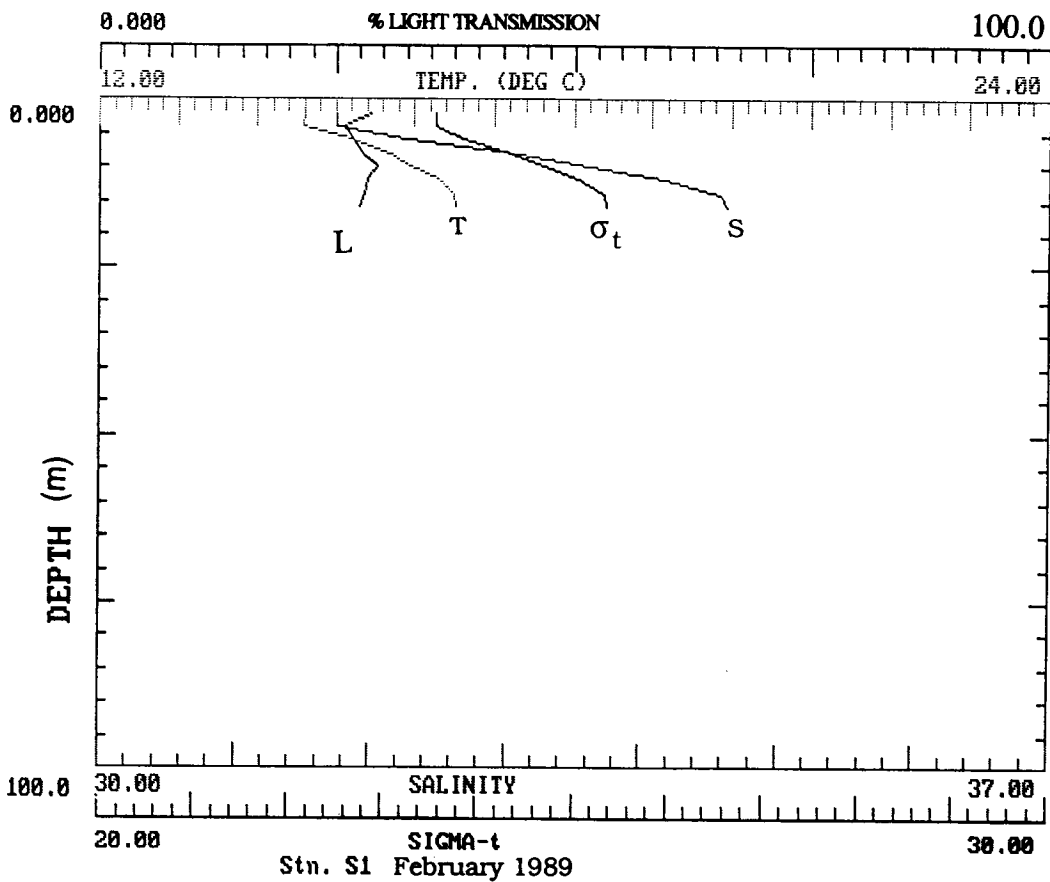
Cruise 4

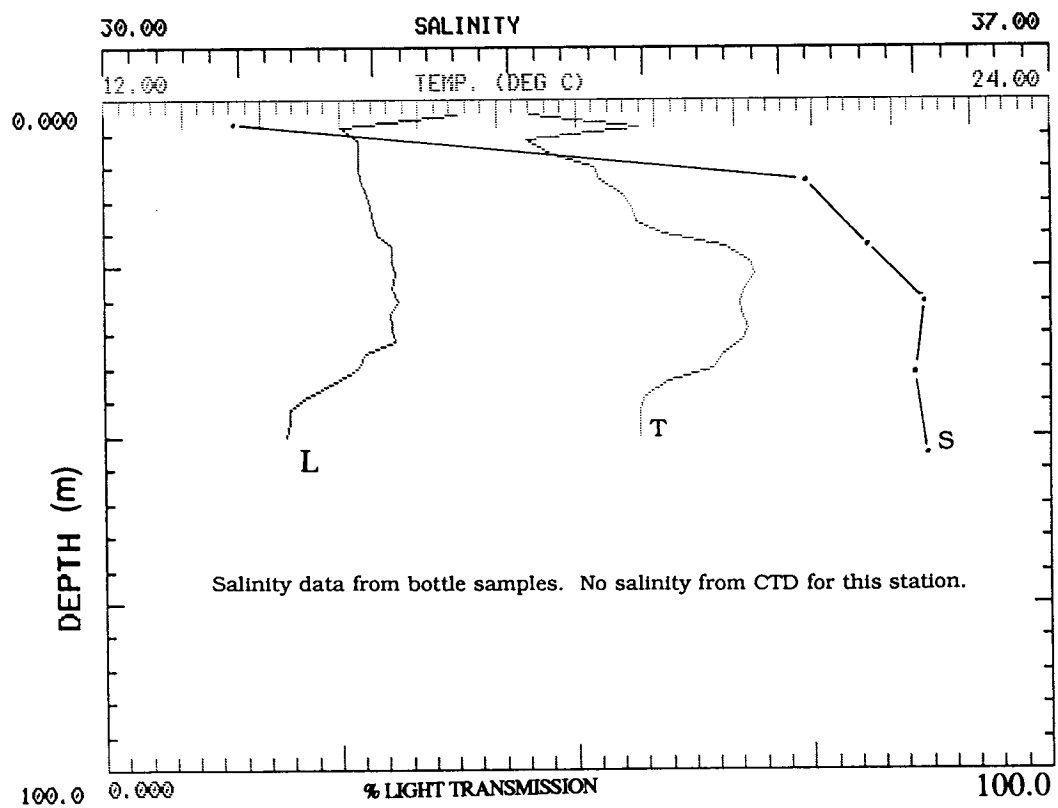
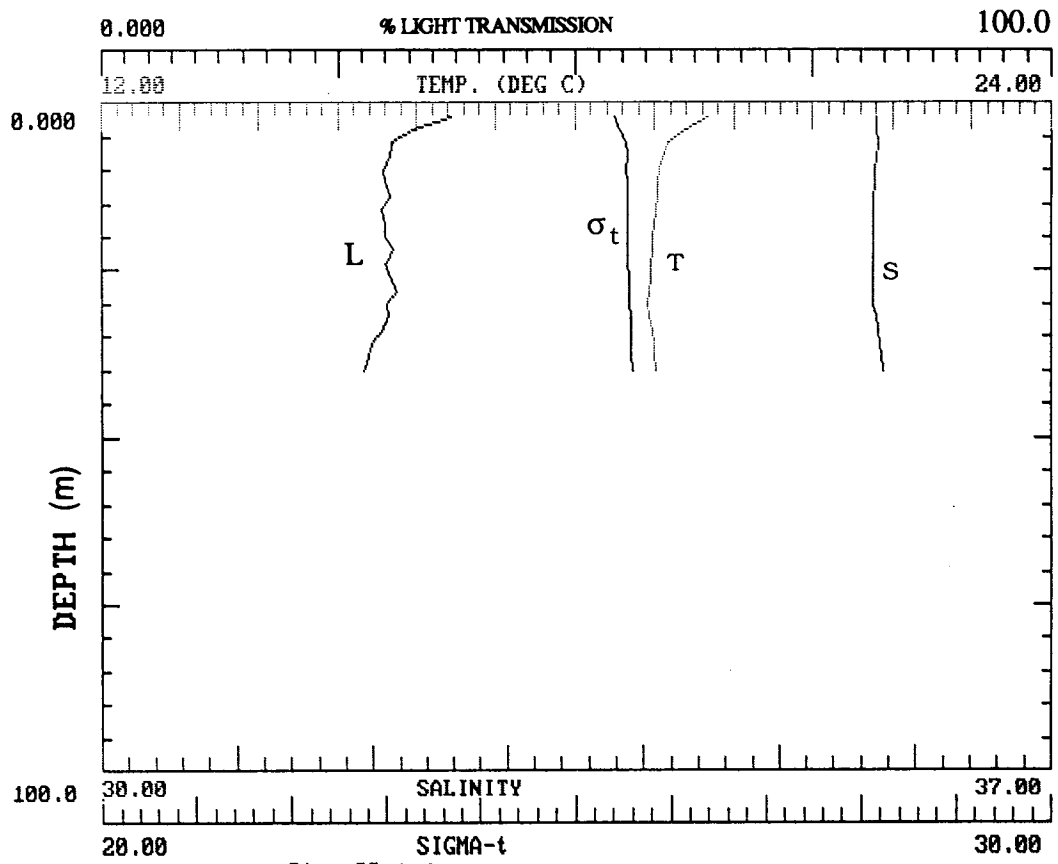
STATION	DATE	TIME (GMT)	LATITUDE	LONGITUDE
S1	2/11/89	17:01	30°04.22' N	88°39.04' W
S2	2/11/89	19:07	29°48.41' N	88°32.83' W
S3	2/11/89	21:12	29°34.38' N	88°23.88' W
D	2/11/89	23:05*	29°21.17' N	88°15.91' W
C2A	2/12/89	13:52	29°27.16' N	88°34.22' W
C2B	2/12/89	14:10	29°27.04' N	88°33.77' W
C3	2/12/89	19:38	29°04.46' N	88°46.83' W
C4A	2/13/89	01:07	28°54.71' N	88°52.51' W
C4B	2/15/89	04:23	28°57.05' N	88°53.24' W
S4	2/15/89	07:30	29°02.72' N	88°36.40' W
S5	2/15/89	09:31	29°09.76' N	88°20.97' W
M4	2/15/89	15:43	29°15.40' N	88°06.64' W
E	2/15/89	19:37	29°09.72' N	88°10.76' W
M3	2/15/89	20:57	29°17.08' N	88°06.57' W
M2	2/16/89	04:45	29°24.30' N	88°06.52' W
S6	2/16/89	08:04	29°24.25' N	87°50.37' W
S7	2/16/89	09:56	29°24.23' N	87°35.09' W
C	2/16/89	15:17	29°23.95' N	87°20.86' W
B	2/16/89	20:19	29°37.45' N	87°31.58' W
D4	2/17/89	04:11	29°40.16' N	87°15.11' W
D3	2/17/89	05:23	29°43.33' N	87°20.54' W
D2	2/17/89	12:21	29°48.12' N	87°23.28' W
A	2/17/89	21:37	29°54.41' N	87°39.70' W
D1	2/17/89	05:36	30°05.75' N	87°41.58' W
M1	2/17/89	11:18	30°05.27' N	88°07.14' W
S8	2/18/89	16:13	29°46.15' N	88°11.07' W
S9	2/18/89	18:09	29°54.52' N	88°24.00' W
C1	2/18/89	20:12	30°04.19' N	88°37.86' W

*No CTD data collected at this station because of electrical problems.

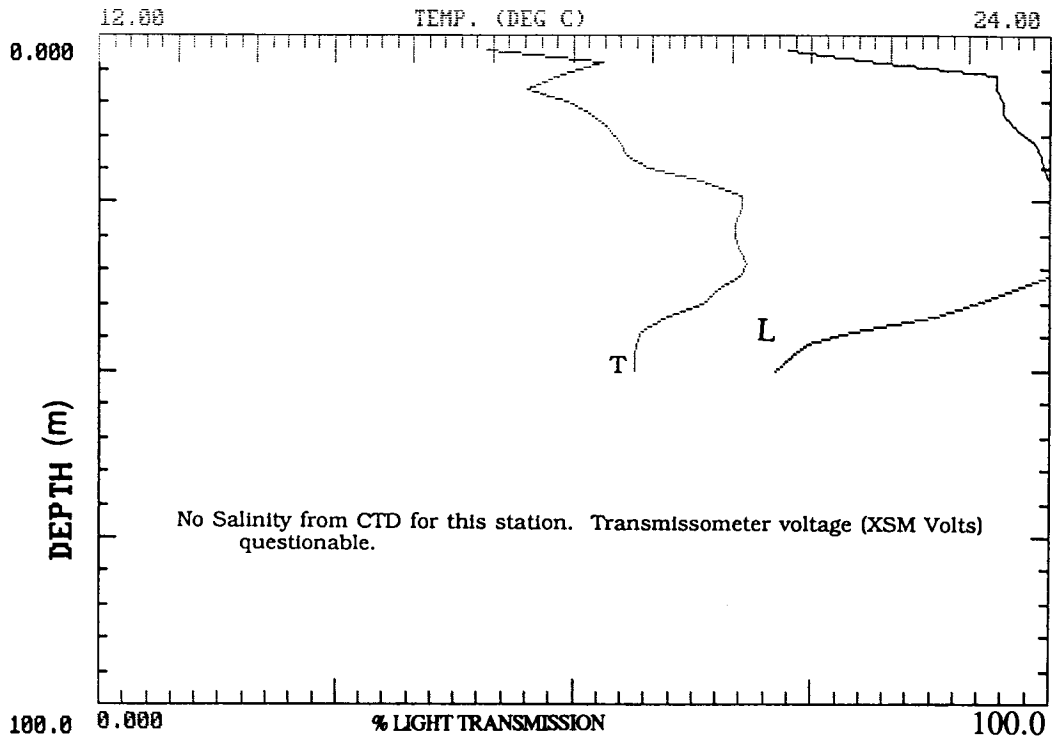


Cruise Track for Cruise 4

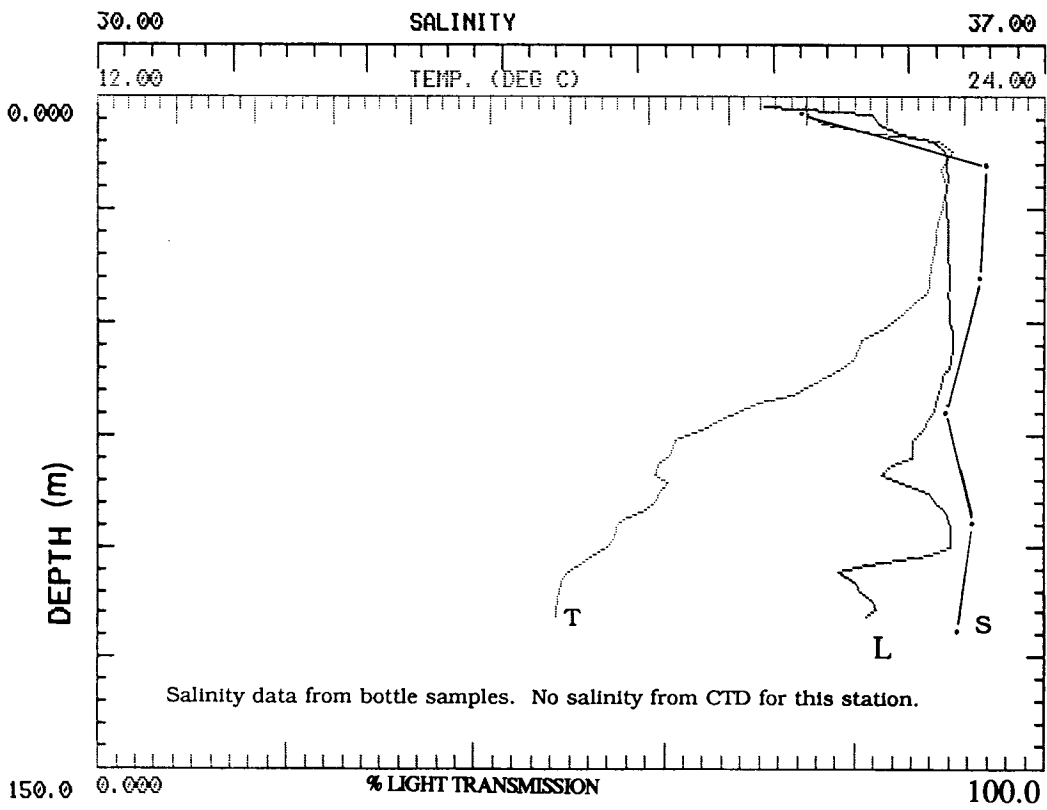




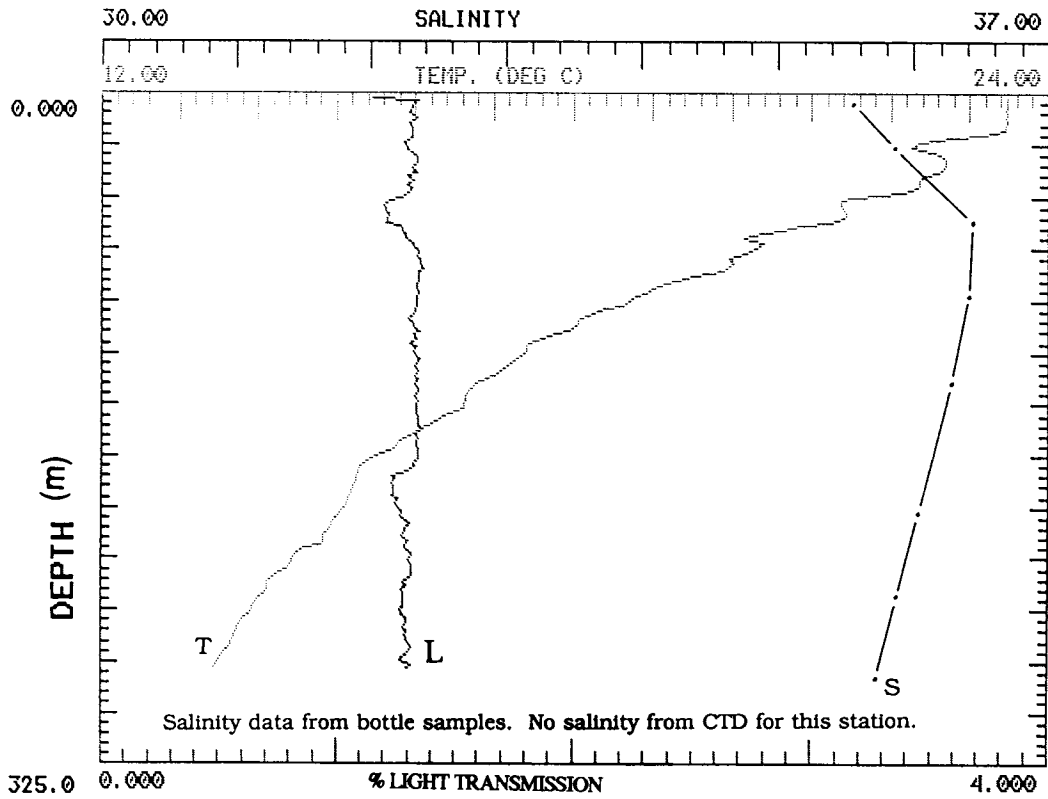
Stn. C2 February 1989



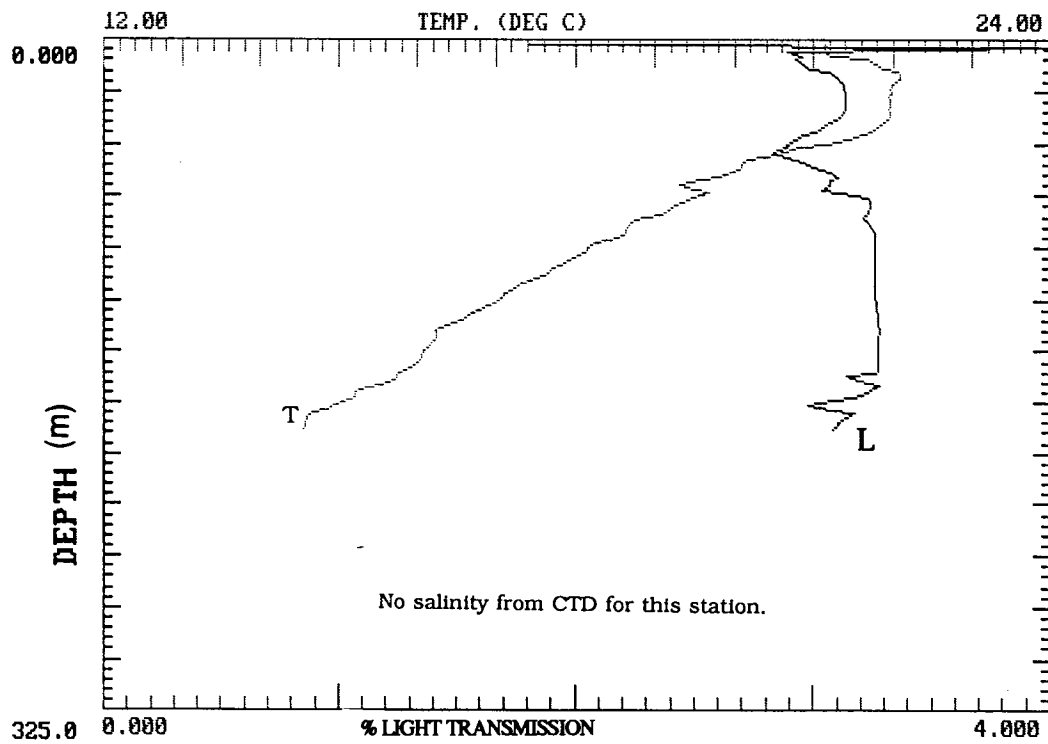
Stn. C2b February 1989



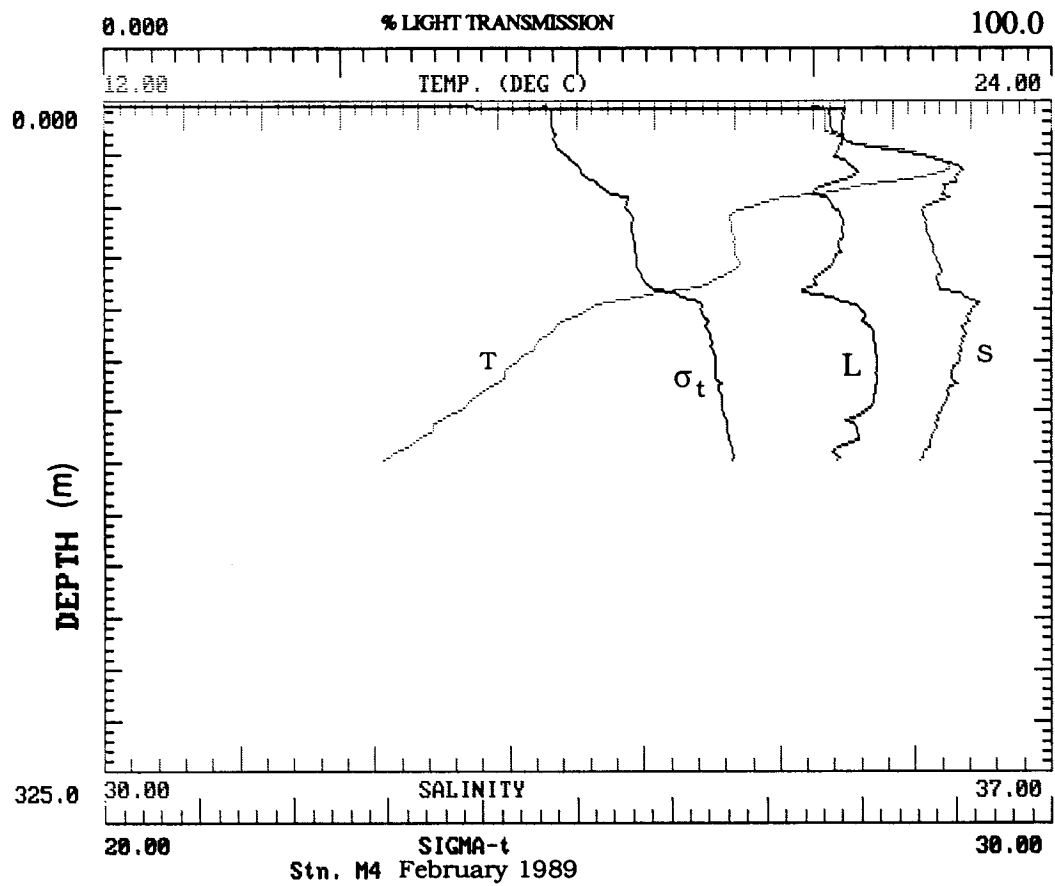
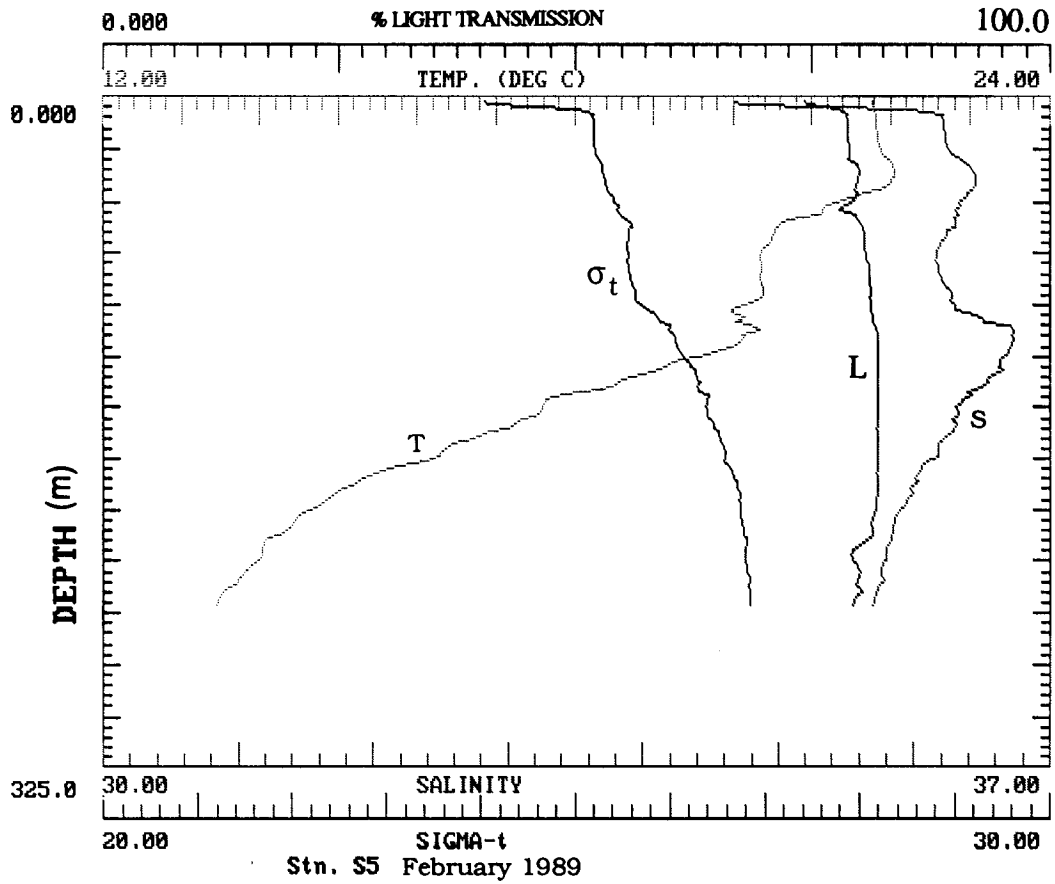
Stn. C3 February 1989

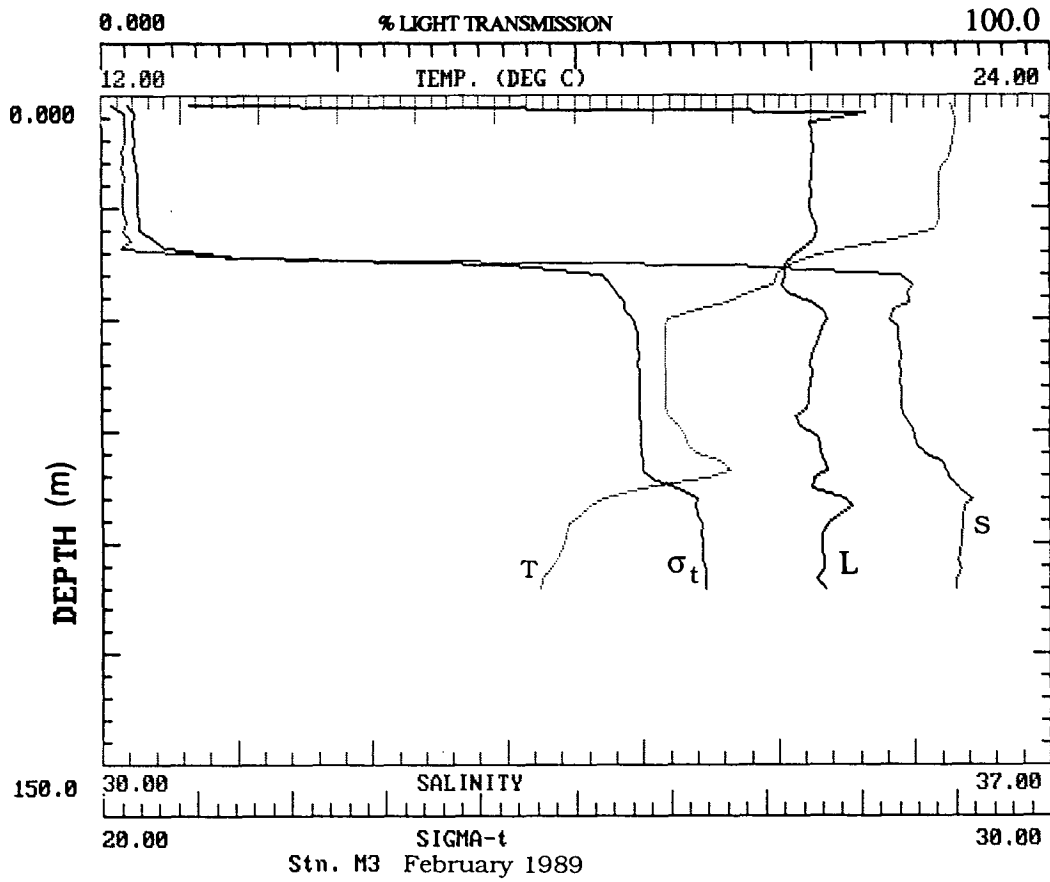
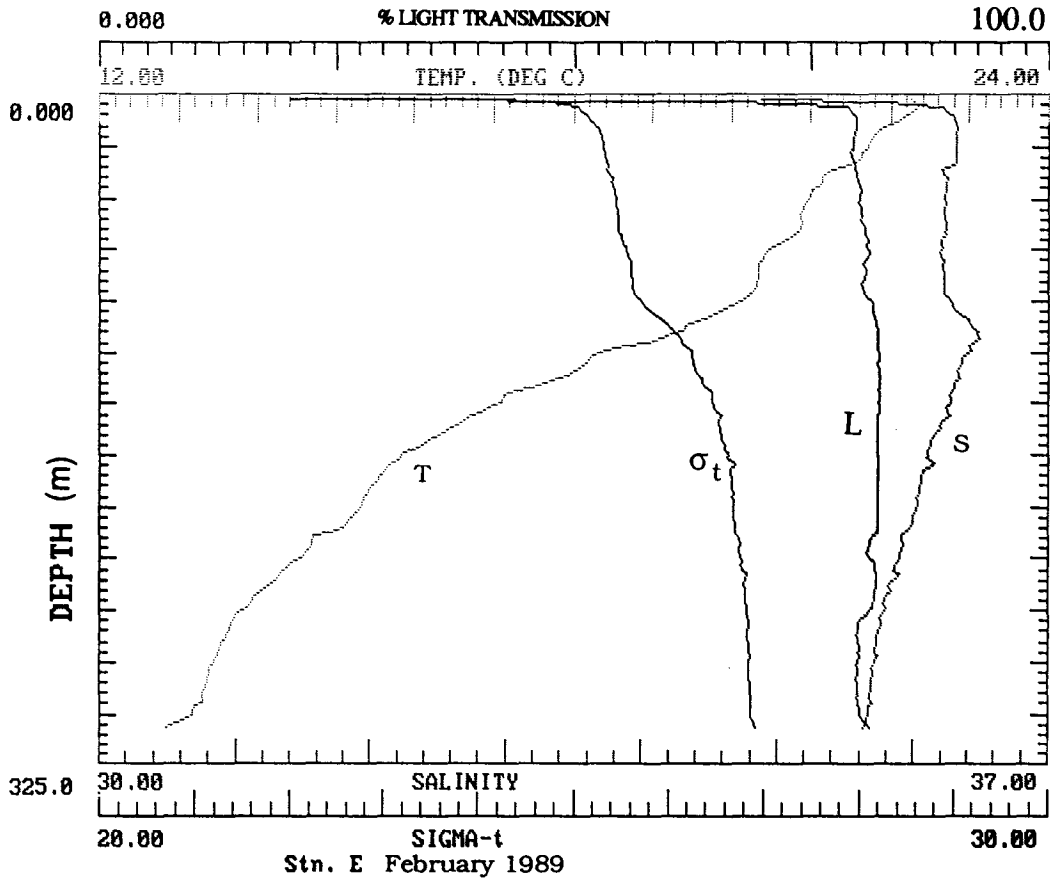


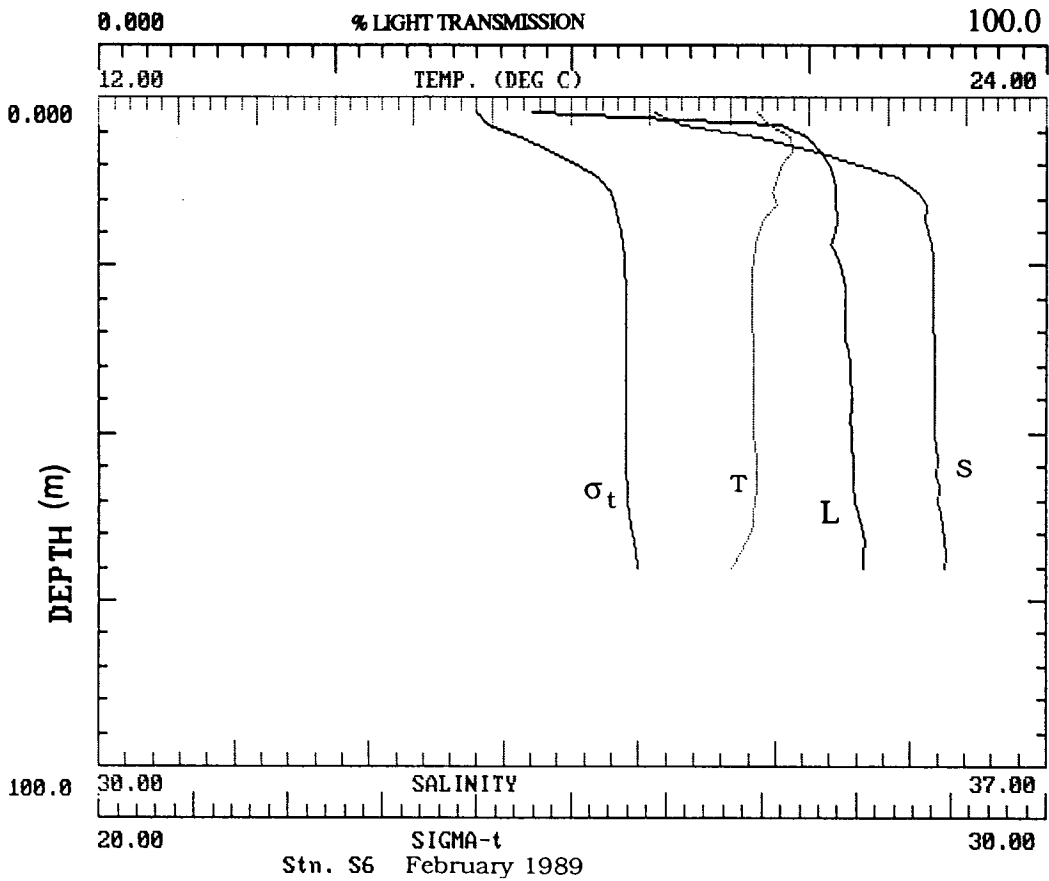
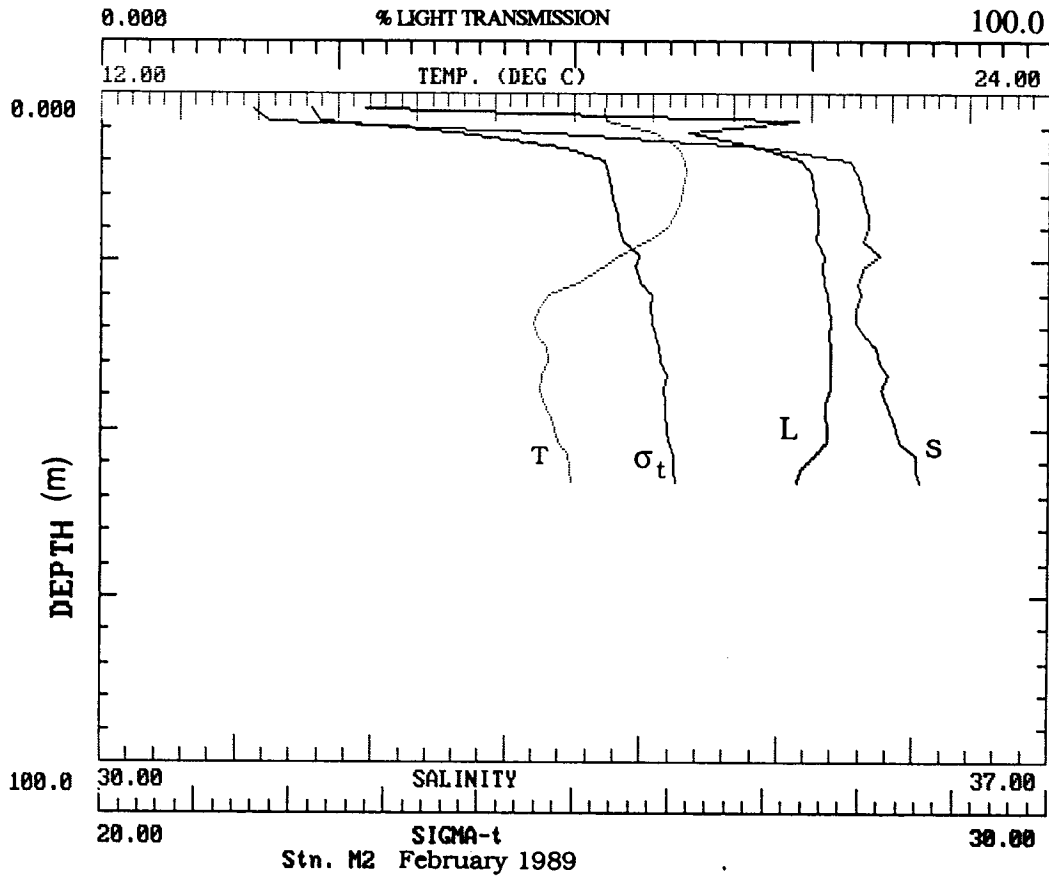
Stn. C4a February 1989

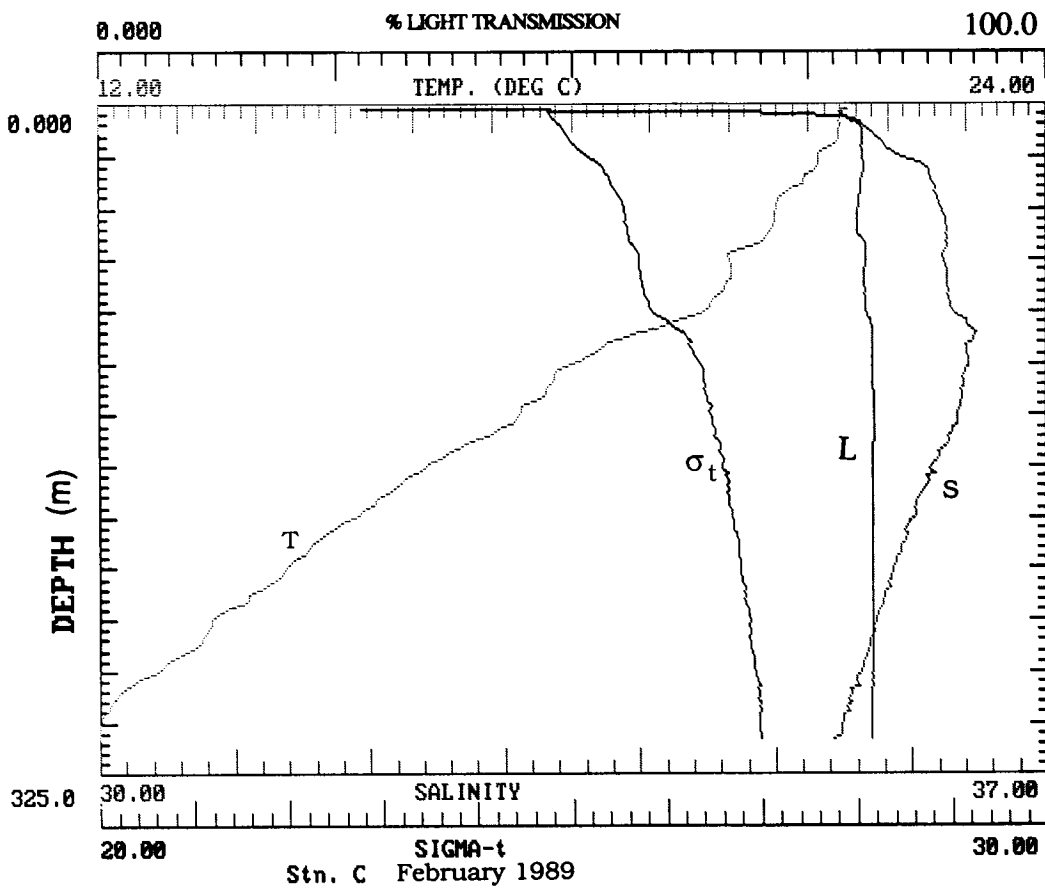
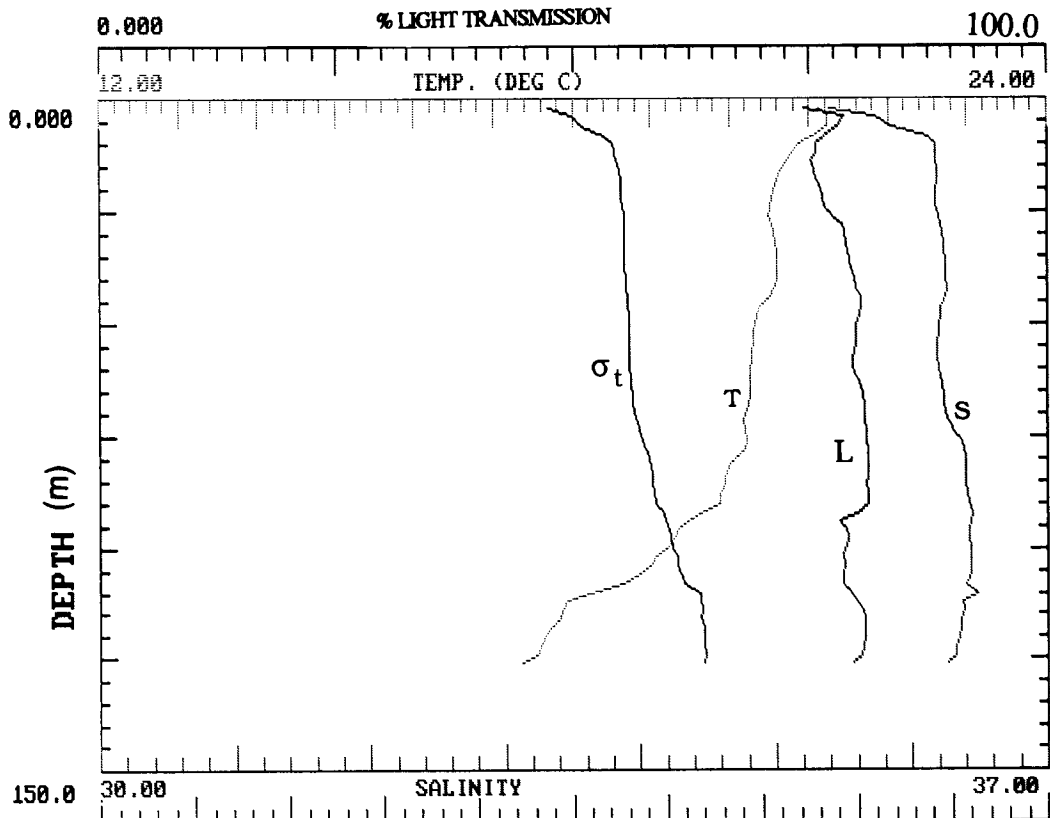


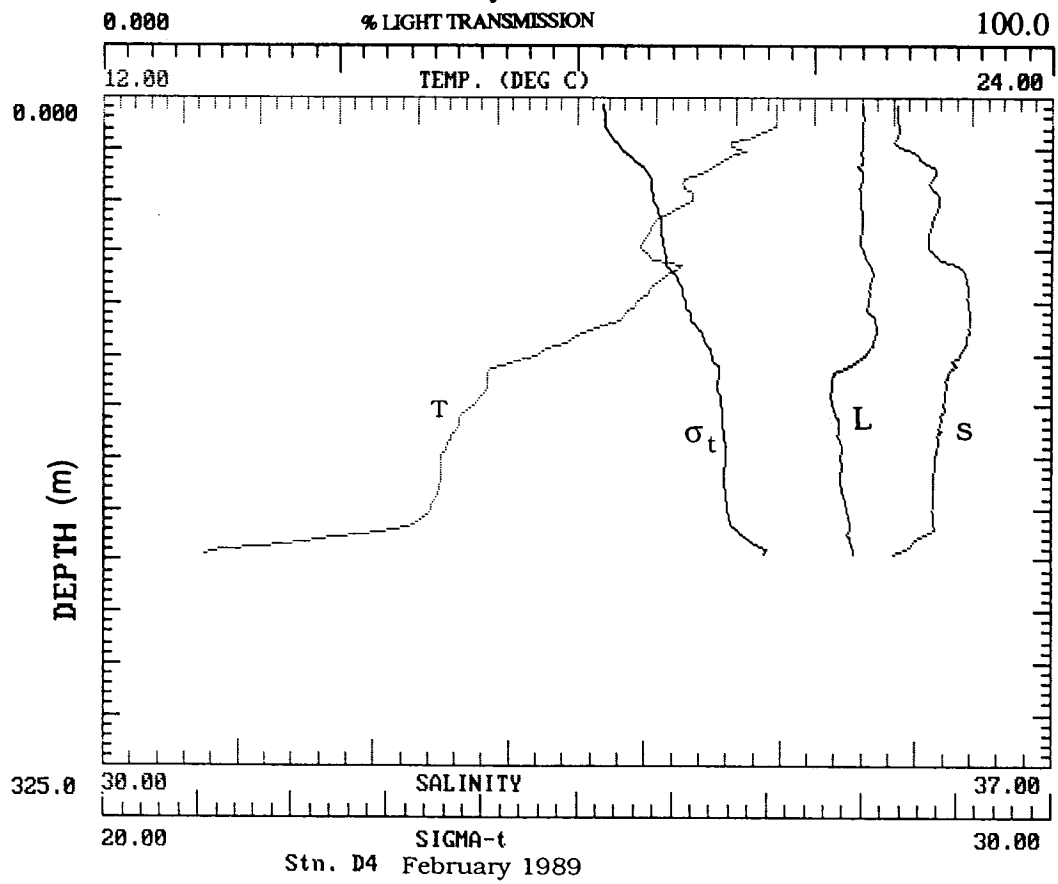
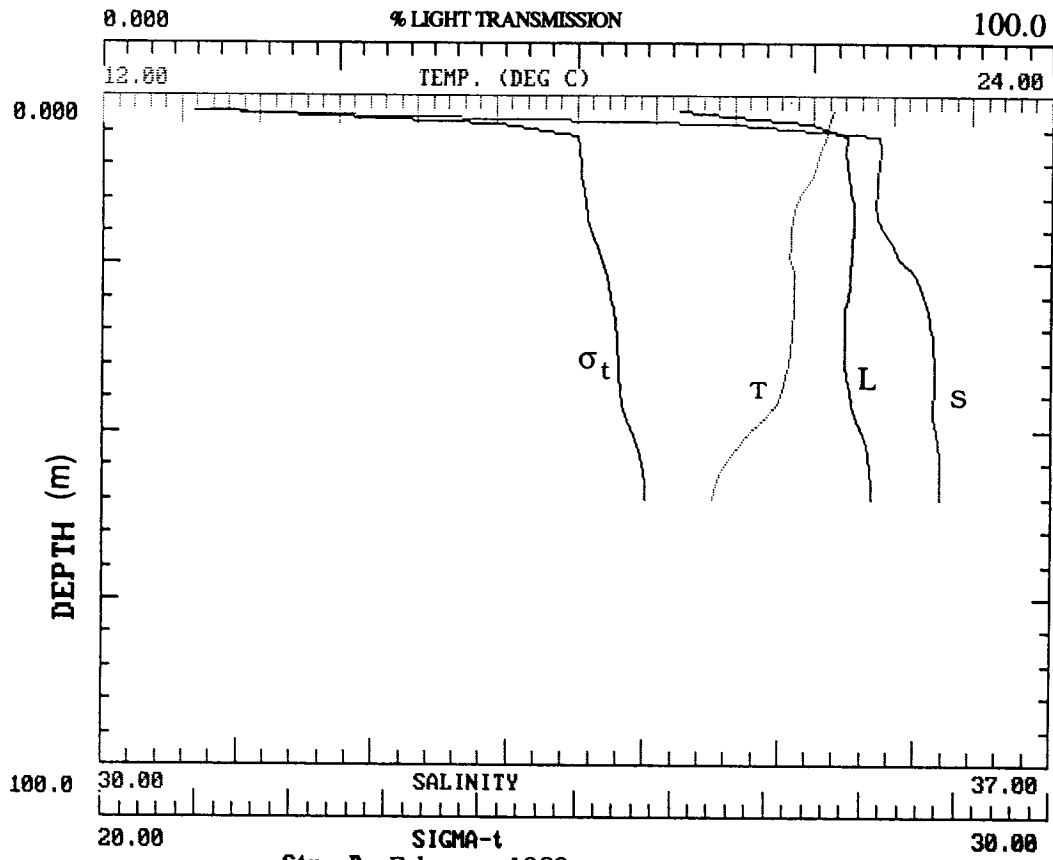
Stn. C4b February 1989

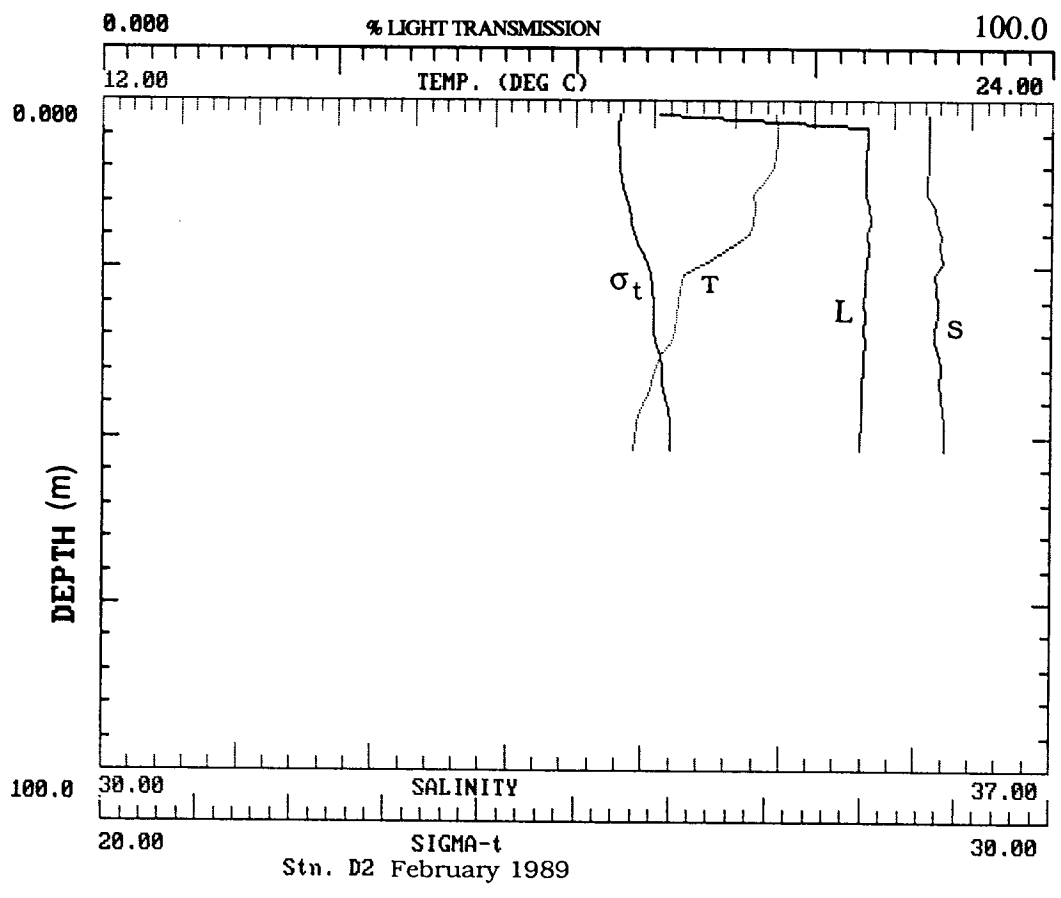
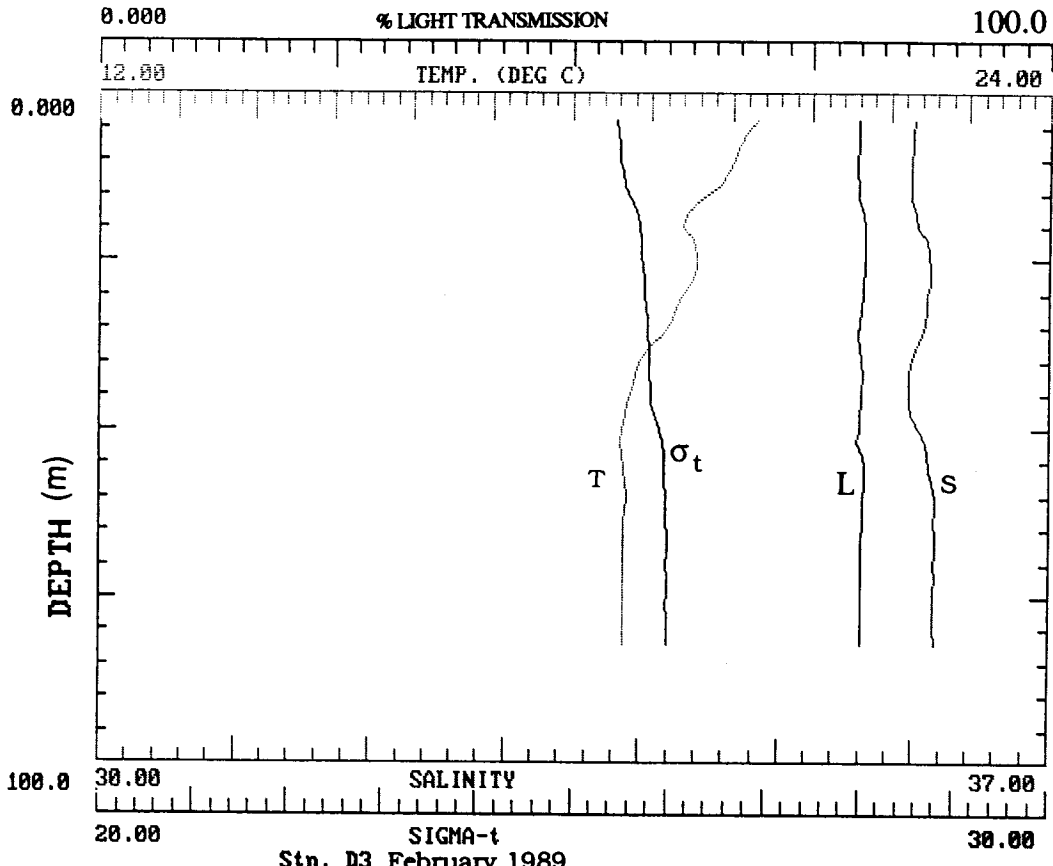


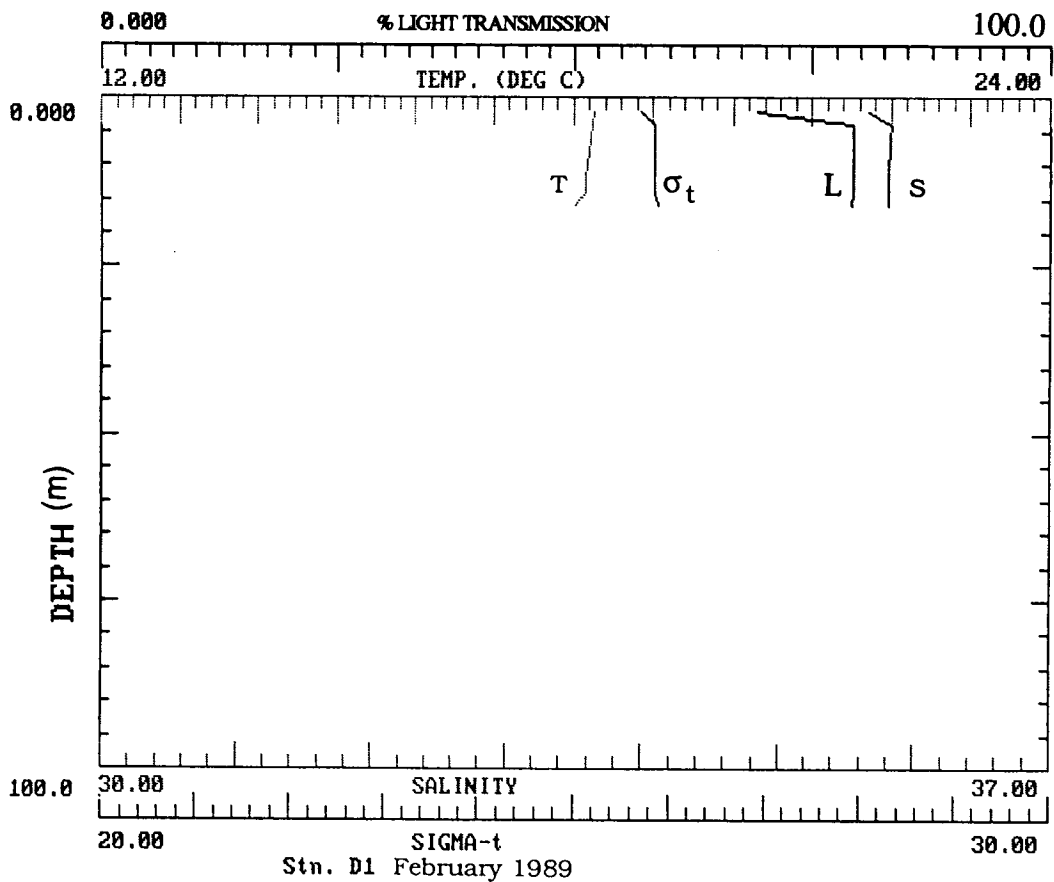
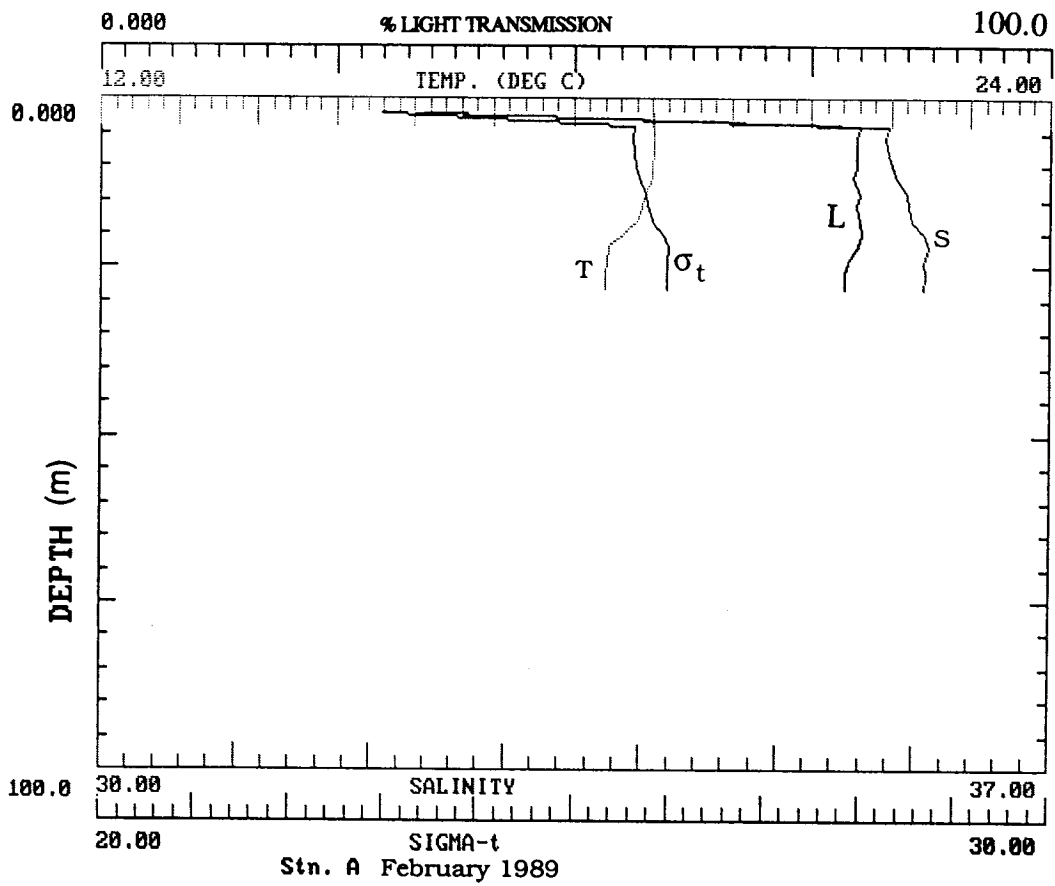


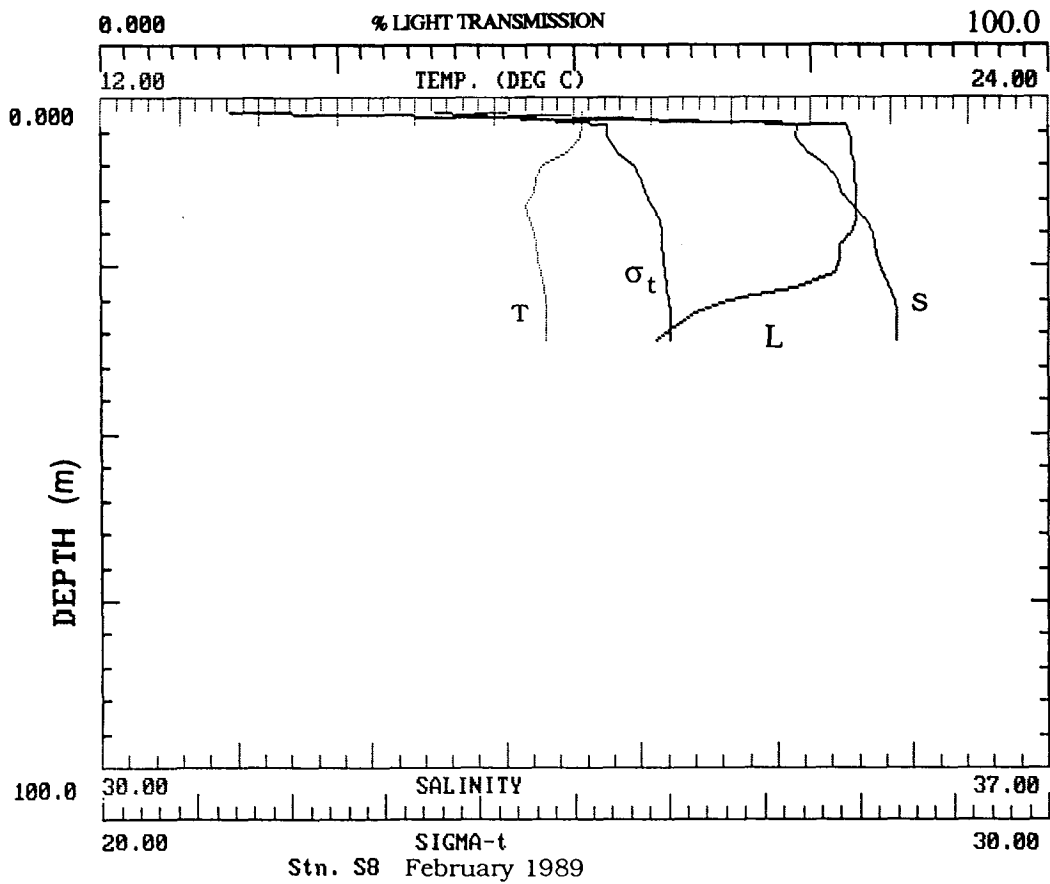
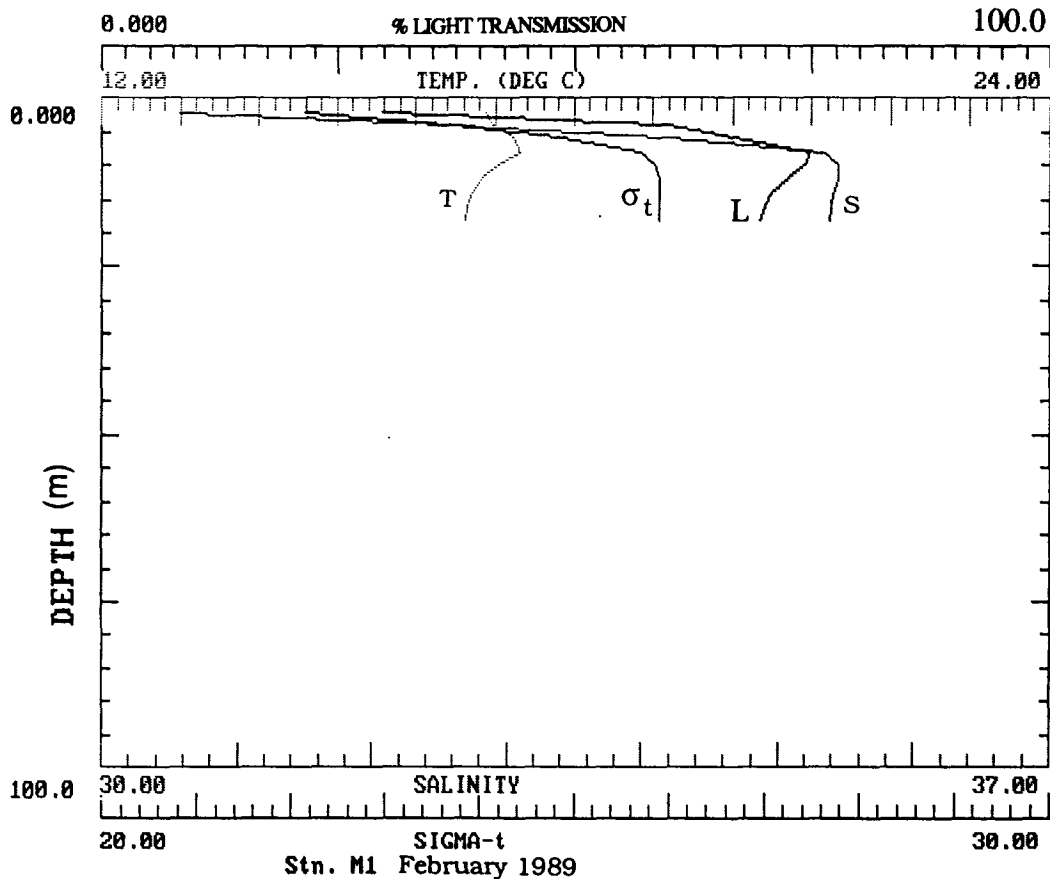


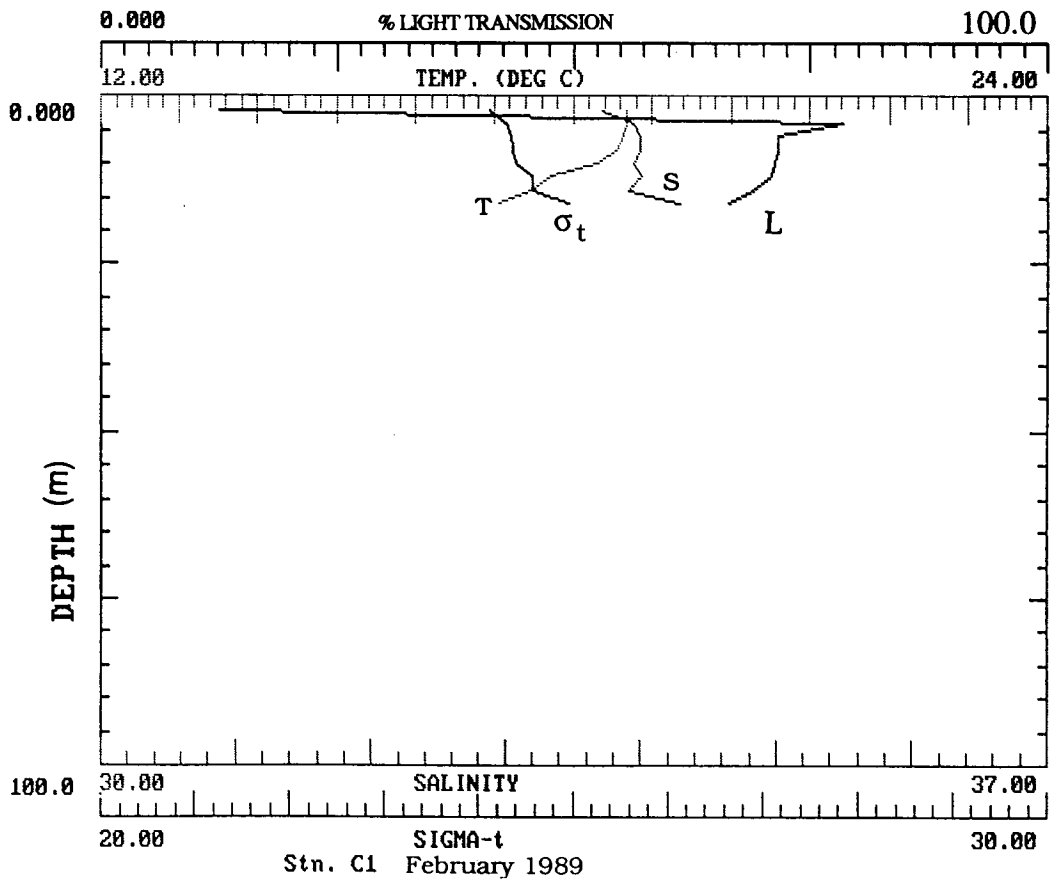
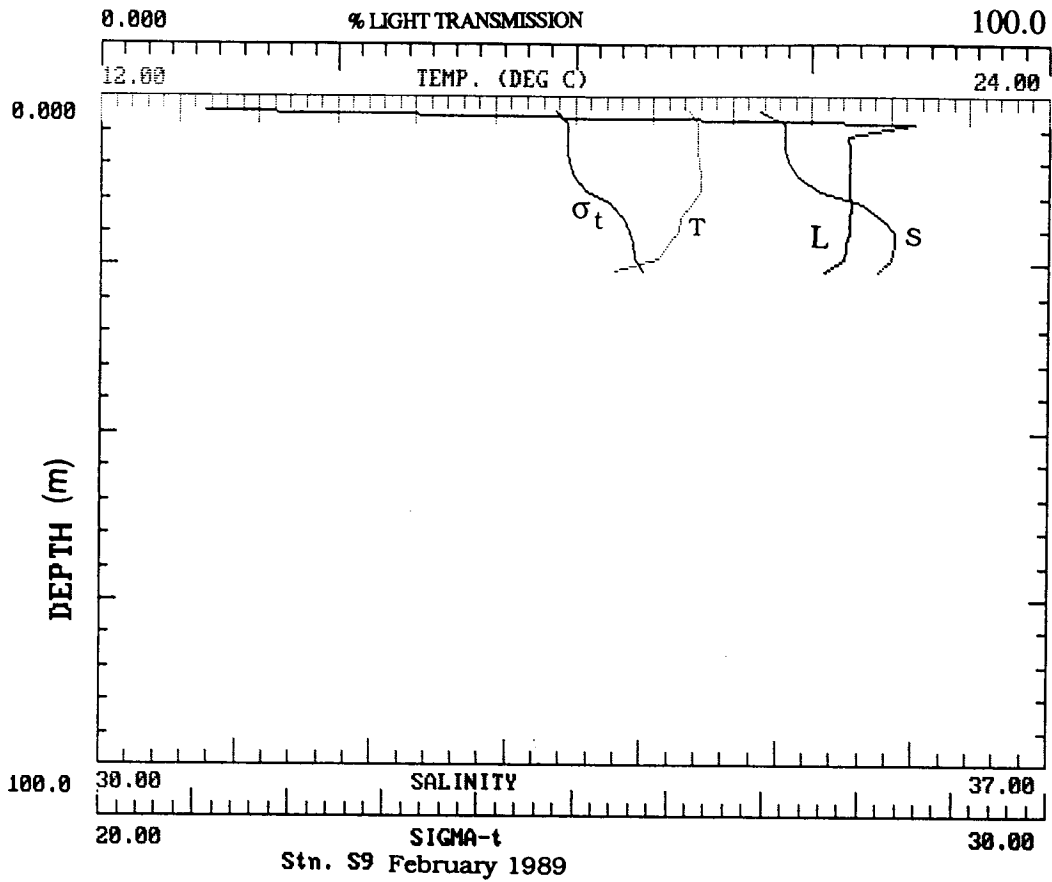








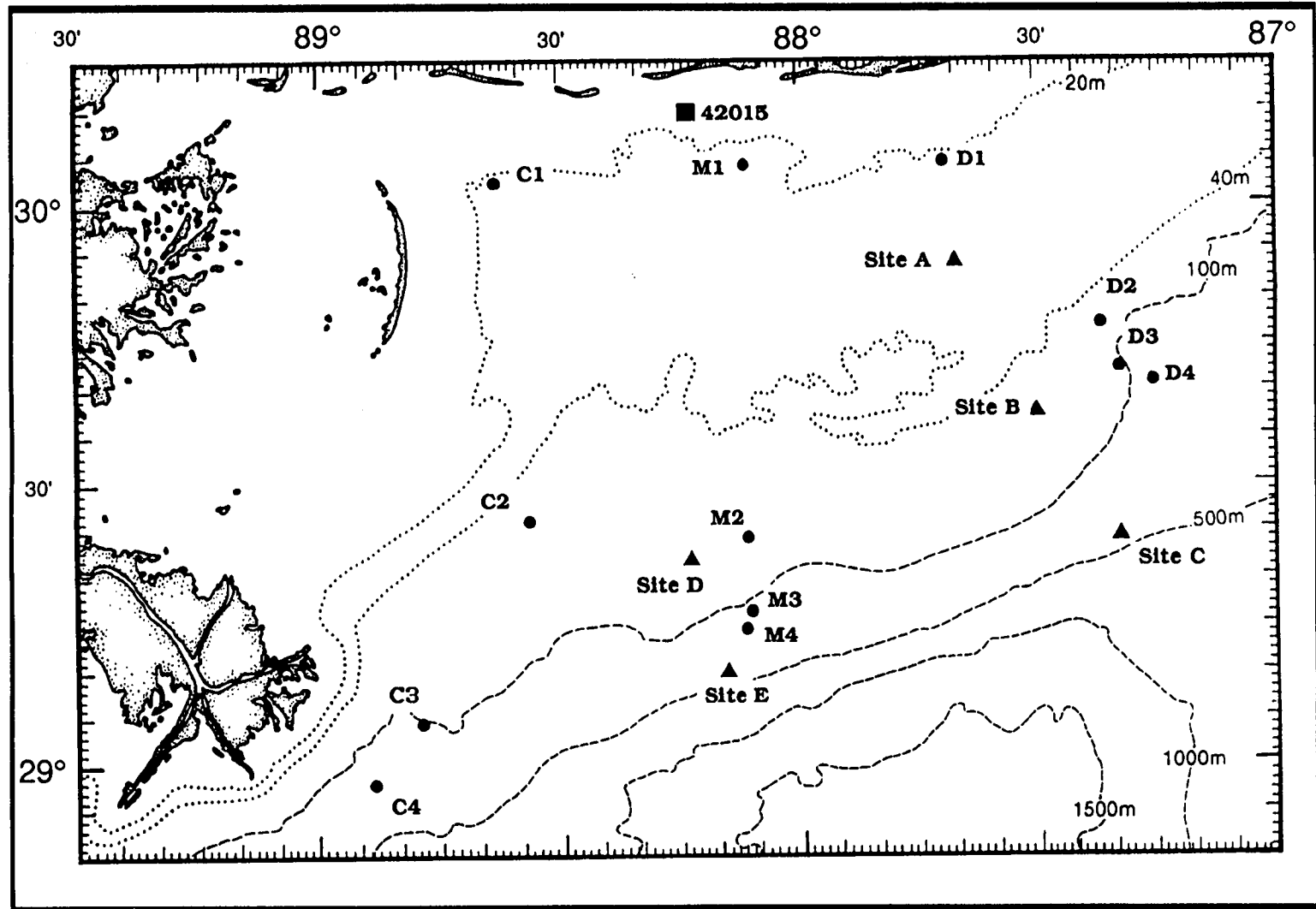




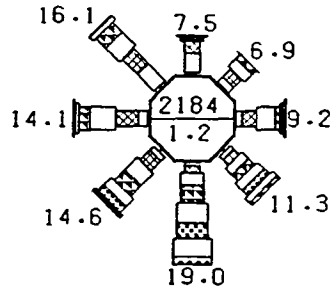
Wind and Current Roses

Wind and Current Roses (*Joint Distribution of Speed and Direction*)

A useful way to characterize the basic statistics of a velocity record is in a table of joint distribution of speed and direction and its graphical form, the rose diagram. This method is applied to the record for each deployment period at each instrument location (see following figure for locations). The percentages of joint occurrence are computed from the time-series of half-hourly (or hourly in the case of wind roses) values of U and V components. The speed ranges are selected so as to provide an optimum resolution in the lower ranges. Calm conditions are defined as speeds lower than the typical instrument threshold. Each value in the joint frequency table represents the percentage of observations that fell in a given speed range and direction sector. The total for a given row gives the percentage of observations that fell in that direction sector regardless of speed (e.g., NE is from 22.5 degrees to 67.5 degrees). The scalar average speed NE is from (as opposed to vector average) for each direction sector is given on the far right side of each row. The total for a given column gives the percentage of observations that fell in a given speed range regardless of direction. For ease in visualizing the table, a rose diagram is plotted above it. Each rose petal corresponds to a direction sector in the table. Each segment of a petal corresponds to a speed range, and the length of each segment is proportional to the percentage expressed in the table. The total percentage in that direction is printed at the tip of each petal. A cumulative speed graph is plotted below each rose. It expresses the percentage of observations that fell in a given speed range regardless of direction, and it corresponds to the row of totals (second row from the bottom) in the table. The graph runs from 0 to 100 percent. The scale of the graph and the scale of the rose petals are the same. Thus, if all the petals of a rose were laid end-to-end, the length would equal the length of the graph, less the percentage of calms. The total number of observations on which the percentages are based is printed in the upper half of the center of the rose. The percentage of calms is printed in the lower half.

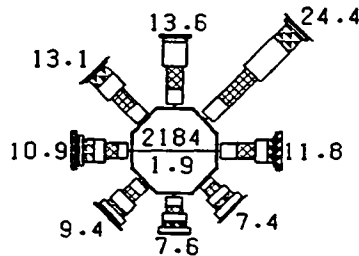


Map showing the locations of standard CTD stations (circles), current meter moorings (triangles) and meteorological Buoy 42015 (square).



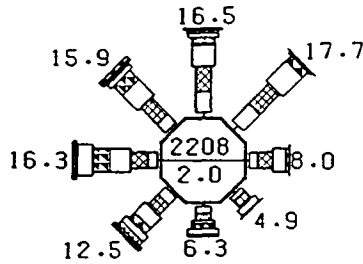
0 10 20 30 40 50 60 70 80 90 100
 42015 WIND, OCEAN DIR CONVENTION
 88/01/01 (0000) - 88/04/01 (0000) (GMT)

DIR	RANGE (M/S) E.G. 1 < V ≤ 2										TOTAL	AVG SPEED
	0.5-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16+			
N	0.7	3.6	2.1	0.4	0.5	0.2					7.5	4.2
NE	0.4	1.3	2.1	2.0	1.1	+					6.9	5.7
E	0.2	1.1	2.7	3.3	0.8	0.5	0.3	0.3			9.2	6.6
SE	0.7	0.9	1.4	1.7	1.6	1.7	1.4	1.1	0.7		11.3	9.2
S	0.3	0.6	1.3	2.3	3.3	3.6	2.8	3.3	1.4		19.0	10.9
SW	0.9	1.0	2.6	3.2	2.7	1.9	1.6	0.4	0.4		14.6	8.1
W	0.5	1.7	4.2	4.7	2.0	0.7	0.2	0.1			14.1	6.3
NW	0.7	4.3	4.0	3.5	2.5	0.9	0.2				16.1	5.8
TOTAL	4.3	14.6	20.3	21.0	14.7	9.6	6.5	5.3	2.5		98.8	7.4
CALM											1.2	



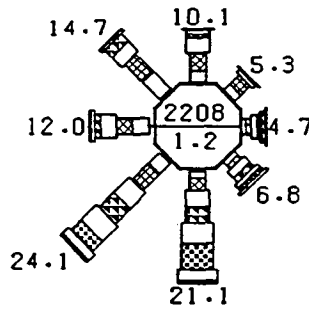
0 10 20 30 40 50 60 70 80 90 100
 42015 WIND, OCEAN DIR CONVENTION
 88/04/01 (0000) - 88/07/01 (0000) (GMT)

DIR	RANGE (M/S) E.G. 1 < V ≤ 2										TOTAL	AVG SPEED
	0.5-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16+			
N	0.9	2.7	4.2	4.3	0.9	0.5	+				13.6	5.5
NE	1.0	4.0	7.2	7.5	3.6	0.5	0.4	+			24.4	6.0
E	0.7	2.9	3.4	2.2	1.0	0.4	+	0.2	0.9		11.8	6.4
SE	0.4	1.0	1.6	1.5	1.1	1.4	0.3	+			7.4	7.2
S	0.7	1.7	1.3	1.4	1.1	1.0	0.4				7.6	6.2
SW	0.7	1.8	1.7	2.3	1.0	1.1	0.5	0.3	+		9.4	6.7
W	0.8	1.7	2.4	2.1	1.9	0.7	0.4	0.3	0.6		10.9	7.1
NW	0.5	2.8	3.8	3.2	2.2	0.2	0.2	0.1	+		13.1	6.0
TOTAL	5.7	18.6	25.7	24.5	12.7	5.7	2.2	1.0	1.9		98.1	6.2
CALM											1.9	



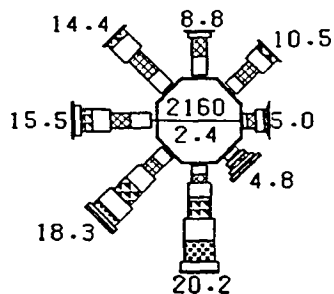
0 10 20 30 40 50 60 70 80 90 100
 42015 WIND, OCEAN DIR CONVENTION
 88/07/01 (0000) - 88/10/01 (0000) (GMT)

DIR	RANGE (M/S) E.G. 1 < V ≤ 2									TOTAL	AVG SPEED
	0.5-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16+		
N	1.1	3.7	4.6	3.9	1.4	0.8	0.5	0.3	+	16.5	5.9
NE	1.3	4.3	5.3	5.0	1.4	0.2	0.3			17.7	5.3
E	0.7	1.5	2.8	2.4	0.6		+			8.0	5.1
SE	0.7	0.9	1.8	1.3	0.1		+			4.9	4.9
S	0.7	1.3	1.3	0.6	1.0	1.0	0.4			6.3	6.4
SW	0.6	1.9	2.7	2.7	1.4	1.3	1.0	0.5	0.4	12.5	7.3
W	0.8	1.7	3.1	3.9	3.1	2.8	0.2	+	0.5	16.3	7.6
NW	0.7	2.2	4.2	4.1	2.4	0.8	0.4	0.4	0.7	15.9	7.0
TOTAL	6.7	17.6	25.7	23.9	11.4	7.1	2.8	1.3	1.7	98.0	6.2
CALM										2.0	



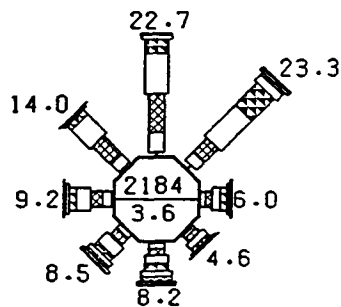
0 10 20 30 40 50 60 70 80 90 100
 42015 WIND, OCEAN DIR CONVENTION
 89/10/01 (0000) - 89/01/01 (0000) (GMT)

DIR	RANGE (M/S) E.G. 1 < V ≤ 2									TOTAL	AVG SPEED
	0.5-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16+		
N	0.3	2.1	3.4	2.7	1.4	0.2				10.1	5.6
NE	0.3	1.5	2.4	0.7	0.1	0.3				5.3	4.9
E	+	0.8	1.0	1.1	0.4	0.5	0.5	0.3	+	4.7	7.7
SE	0.1	1.0	0.9	1.5	1.1	0.8	0.8	0.5		6.8	8.3
S	0.5	1.2	2.3	3.1	2.9	3.8	4.8	2.0	0.5	21.1	9.8
SW	0.6	2.6	4.3	4.0	3.9	3.9	2.7	1.5	0.5	24.1	8.4
W	1.1	2.9	3.0	2.9	1.1	0.8	0.2			12.0	5.5
NW	0.5	4.4	4.7	2.5	1.9	0.6	0.1			14.7	5.4
TOTAL	3.6	16.5	21.9	18.5	12.9	10.8	9.1	4.3	1.1	98.8	7.3
CALM										1.2	



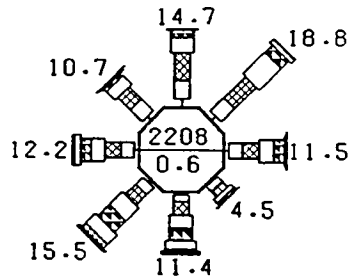
0 10 20 30 40 50 60 70 80 90 100
 42015 WIND, OCEAN DIR CONVENTION
 89/01/01 (0000) - 89/04/01 (0000) (GMT)

DIR	RANGE (M/S) E.G. 1 < V ≤ 2										AVG SPEED	
	0.5-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16+	TOTAL		
N	0.6	3.5	3.4	1.0	0.1	0.1					8.8	4.3
NE	0.6	2.2	3.7	2.6	1.1	0.2	+				10.5	5.5
E	0.2	0.8	1.5	1.5	0.6	0.1	0.1				5.0	6.1
SE	0.3	1.0	0.3	0.7	0.7	0.6	0.3	0.5	0.3		4.8	8.4
S	0.5	1.7	1.6	2.6	4.0	4.0	3.9	1.7	0.3		20.2	9.5
SW	0.6	2.5	2.6	3.6	3.3	3.2	1.4	0.7	0.6		18.3	8.1
W	1.2	3.8	3.6	3.3	2.0	1.3	0.2	+			15.5	5.8
NW	0.6	3.5	5.1	3.6	1.2	0.3					14.4	5.3
TOTAL	4.6	18.9	21.9	18.9	13.0	10.0	6.0	3.0	1.2		97.6	6.7
CALM											2.4	



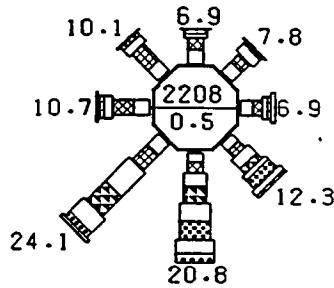
0 10 20 30 40 50 60 70 80 90 100
 42015 WIND, OCEAN DIR CONVENTION
 89/04/01 (0000) - 89/07/01 (0000) (GMT)

DIR	RANGE (M/S) E.G. 1 < V ≤ 2										AVG SPEED	
	0.5-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16+	TOTAL		
N	0.9	3.5	7.1	7.3	2.7	0.8	0.3				22.7	6.1
NE	1.1	2.1	3.5	7.9	5.7	1.6	0.5	0.5	0.3		23.3	7.3
E	0.1	1.0	1.2	1.5	1.2	0.4	0.2	0.2	0.2		6.0	7.3
SE	0.4	0.6	1.1	1.2	0.7	0.3	+	0.1	+		4.6	6.5
S	0.4	1.1	1.2	1.6	1.3	1.0	1.0	0.5	0.1		8.2	8.1
SW	0.2	0.8	1.9	2.3	1.1	0.8	0.5	0.6	0.2		8.5	7.8
W	0.5	1.6	2.2	2.7	1.3	0.6	0.3	+			9.2	6.3
NW	0.6	2.0	4.7	4.9	1.1	0.4	0.2				14.0	5.9
TOTAL	4.3	12.6	22.8	29.4	15.2	5.9	3.2	2.1	0.9		96.4	6.5
CALM											3.6	



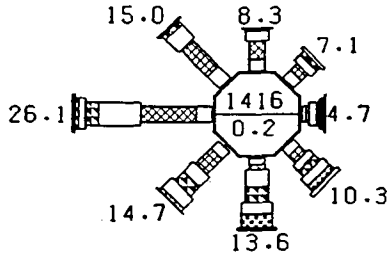
0 10 20 30 40 50 60 70 80 90 100
 42015 WIND, OCEAN DIR CONVENTION
 89/07/01 (0000) - 89/10/01 (0000) (GMT)

DIR	RANGE (M/S) E.G. 1 < V ≤ 2									TOTAL	AVG SPEED
	0.5-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16+		
N	1.7	3.4	5.1	2.9	1.4	0.2				14.7	5.0
NE	1.1	3.4	5.7	5.5	2.0	0.9	0.2			18.8	5.7
E	0.9	2.5	3.1	2.6	2.0	0.2	0.1		+	11.5	5.8
SE	0.4	1.2	1.4	0.9	0.5	0.1				4.5	5.1
S	0.6	1.2	2.4	2.4	2.4	1.5	0.4	0.4	0.3	11.4	7.4
SW	0.7	1.8	2.8	3.3	2.9	2.4	1.1	0.3	0.2	15.5	7.6
W	1.0	2.4	3.0	2.4	1.9	1.2	0.4			12.2	6.2
NW	1.0	3.1	3.2	2.3	0.7	0.3			+	10.7	5.0
TOTAL	7.4	19.0	26.6	22.3	13.8	6.9	2.1	0.8	0.5	99.4	6.0
CALM										0.6	



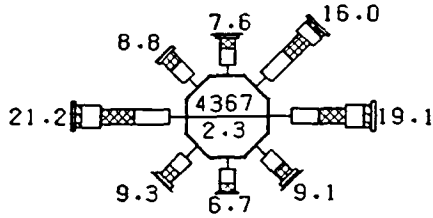
0 10 20 30 40 50 60 70 80 90 100
 42015 WIND, OCEAN DIR CONVENTION
 89/10/01 (0000) - 90/01/01 (0000) (GMT)

DIR	RANGE (M/S) E.G. 1 < V ≤ 2									TOTAL	AVG SPEED
	0.5-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16+		
N	0.4	2.5	2.1	0.9	0.9	0.1				6.9	4.8
NE	0.4	2.5	2.2	1.8	0.5	0.4				7.8	5.2
E	0.5	2.3	1.6	0.9	0.6	0.8		+		6.9	5.6
SE	0.5	1.7	1.7	2.2	1.4	1.0	2.2	1.0	0.6	12.3	8.8
S	0.6	1.6	2.1	2.4	3.2	3.3	3.4	2.4	1.7	20.8	10.0
SW	0.5	2.8	4.1	6.2	5.0	3.6	1.3	0.6	+	24.1	7.6
W	0.8	2.9	3.9	1.6	1.1	0.3		+		10.7	5.0
NW	0.6	2.7	4.1	1.6	0.9	0.2				10.1	5.0
TOTAL	4.3	19.0	21.8	17.6	13.6	9.6	7.1	4.1	2.4	99.5	7.2
CALM										0.5	



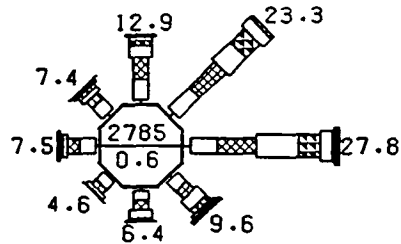
0 10 20 30 40 50 60 70 80 90 100
 42015 WIND, OCEAN DIR CONVENTION
 90/01/01 (0000) - 90/02/28 (2300) (GMT)

DIR	RANGE (M/S) E.G. 1 < V ≤ 2								TOTAL	AVG SPEED	
	0-5-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16			16+
N	0.4	2.0	3.4	1.9	0.4	0.1				8.3	5.1
NE	0.4	2.0	1.7	1.5	0.9	0.6				7.1	5.6
E	0.4	0.7	0.6	1.4	0.5	0.5	0.4	0.2		4.7	7.2
SE	0.4	1.6	1.7	1.4	1.4	1.7	1.3	0.8		10.3	8.2
S	0.4	1.1	1.0	3.1	2.9	2.1	2.5	0.5		13.6	8.8
SW	0.7	1.8	4.0	2.5	2.4	2.5	0.8			14.7	7.0
W	0.4	2.8	10.3	7.8	2.4	1.3	0.6	0.5		26.1	6.3
NW	0.4	3.1	6.8	3.4	0.9	0.4				15.0	5.4
TOTAL	3.5	15.2	29.4	23.0	11.9	9.1	5.6	2.0		99.8	6.7
CALM										0.2	



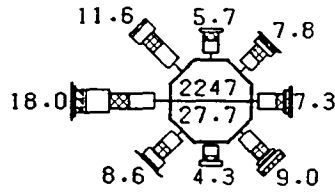
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, AT 10M/31M
 88/01/01 (0000) - 88/04/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	1.9	2.9	1.9	0.5	0.2	0.1					7.6	8.8
NE	2.6	5.3	4.4	2.2	0.8	0.5	+				16.0	10.9
E	4.1	4.9	4.8	3.2	1.4	0.8	+				19.1	11.2
SE	2.5	3.1	2.2	0.7	0.4	+					9.1	8.9
S	2.1	2.7	1.5	0.3	+						6.7	7.6
SW	3.1	3.0	2.3	0.7	0.2	+					9.3	8.2
W	3.1	6.5	6.2	3.5	1.1	0.5	0.2				21.2	11.4
NW	2.3	3.2	2.5	0.7	0.1						6.7	8.5
TOTAL	21.8	31.6	25.9	11.9	4.2	2.1	0.2				97.7	9.8
CALM											2.3	



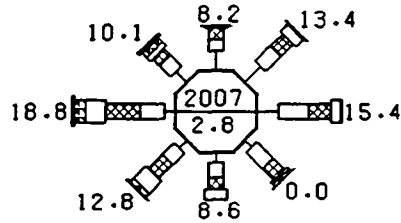
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, AT 10M/31M
 88/04/01 (0000) - 88/07/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	0.9	3.8	3.9	2.2	1.7	0.4					12.9	13.0
NE	1.1	5.1	6.6	4.4	3.6	2.0	0.6				23.3	15.2
E	1.5	4.7	6.8	7.5	3.9	2.0	0.5	0.4	0.5		27.8	16.5
SE	0.8	2.2	1.9	2.3	1.1	0.5	0.1	0.3	0.4		9.6	16.8
S	0.8	1.7	1.8	1.5	0.5	+	+				6.4	12.1
SW	0.6	1.9	1.2	0.7	0.1	+					4.6	10.3
W	0.8	2.8	2.1	0.9	0.5	0.3	0.1				7.5	11.7
NW	0.9	2.4	1.7	0.9	0.7	0.5	0.3	+			7.4	13.1
TOTAL	7.4	24.5	25.9	20.4	12.2	5.8	1.6	0.7	0.9		99.4	14.5
CALM											0.6	



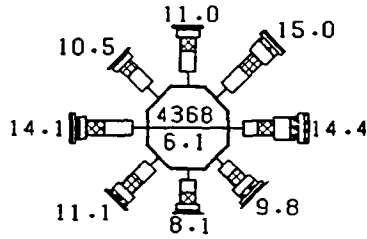
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, AT 10M/31M
 88/07/01 (0000) - 88/10/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	1.3	2.2	1.5	0.6							5.7	9.1
NE	1.6	2.2	2.0	0.9	0.7	0.3					7.8	11.1
E	1.2	3.2	1.4	0.4	0.6	0.5		+			7.3	10.7
SE	1.1	3.2	2.2	0.6	0.3	0.8	0.9				9.0	13.3
S	0.7	1.8	0.9	0.8		+					4.3	9.5
SW	1.4	2.6	2.3	1.6	0.4		+	+	+		8.6	11.3
W	2.9	4.6	3.6	4.2	1.9	0.4	0.2	0.1			18.0	12.5
NW	2.2	3.9	2.8	2.0	0.6						11.6	10.3
TOTAL	12.5	23.8	16.8	11.2	4.7	2.0	1.2	0.2			72.3	8.2
CALM											27.7	



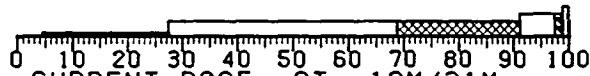
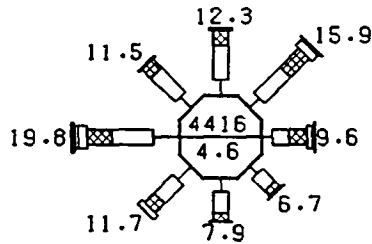
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, AT 10M/31M
 89/01/01 (0000) - 89/04/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	3.5	2.1	2.1	0.2	0.1		+				8.2	7.3
NE	4.1	3.7	3.2	1.8	0.2	0.1		+			13.4	9.1
E	3.9	5.4	4.0	1.8	0.2						15.4	9.0
SE	1.7	4.2	2.9	0.5	0.5		+				10.0	9.6
S	1.8	2.7	2.1	1.7	0.1						8.6	9.9
SW	2.0	2.9	3.5	3.1	0.9		+	+			12.8	12.0
W	1.9	4.5	6.3	3.6	1.9	0.4		+			18.8	12.7
NW	2.8	2.7	1.8	1.0	1.1	0.2	0.4				10.1	11.2
TOTAL	22.0	28.4	25.9	13.9	5.3	1.1	0.6				97.2	10.1
CALM											2.8	



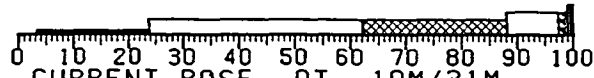
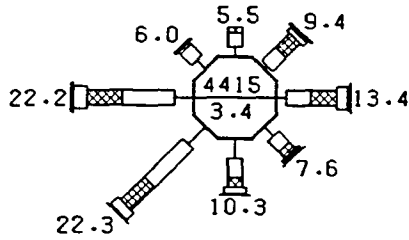
CURRENT ROSE, AT 10M/31M
89/04/01 (0000) - 89/07/01 (0000) (GMT)

DIR	RANGE (CH/S) E.G. 1 < V ≤ 5								TOTAL	AVG SPEED	
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50			50+
N	2.8	3.7	2.4	1.3	0.4	0.2	0.3			11.0	9.8
NE	2.7	4.4	3.4	2.4	0.9	0.7	0.4			15.0	11.8
E	2.7	2.6	3.0	2.9	1.4	1.1	0.8			14.4	13.9
SE	1.9	2.1	2.3	1.5	1.0	0.6	0.4	+		9.8	13.2
S	2.1	2.2	2.1	1.0	0.6	0.1				8.1	10.1
SW	2.2	3.2	2.9	1.5	0.9	0.3				11.1	10.9
W	2.8	5.1	3.2	1.3	0.6	0.6	0.4			14.1	10.9
NW	3.1	3.7	2.0	1.1	0.4	+	0.2			10.5	9.1
TOTAL	20.4	26.9	21.3	12.9	6.2	3.6	2.5	+		93.9	10.7
CALC										6.1	



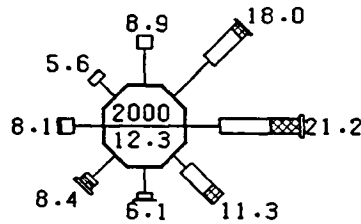
CURRENT ROSE, AT 10M/31M
89/07/01 (0000) - 89/10/01 (0000) (GMT)

DIR	RANGE (CH/S) E.G. 1 < V ≤ 5								TOTAL	AVG SPEED	
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50			50+
N	3.0	6.2	2.7	0.4		+				12.3	7.8
NE	2.4	6.7	4.6	1.5	0.3	0.2		+		15.9	9.8
E	1.9	3.0	3.2	1.0	0.3	0.2		+		9.6	10.0
SE	2.0	3.1	1.4	0.2						6.7	7.4
S	2.4	3.9	1.5	0.1						7.9	7.0
SW	3.5	4.7	2.4	1.1		+				11.7	7.9
W	4.7	7.6	4.6	1.6	0.7	0.6		+		19.8	9.4
NW	2.9	6.1	2.2	0.3						11.5	7.2
TOTAL	22.8	41.3	22.5	6.2	1.5	1.0	0.2			95.4	8.1
CALC										4.6	



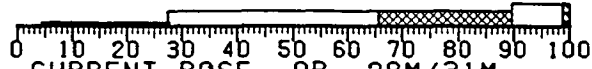
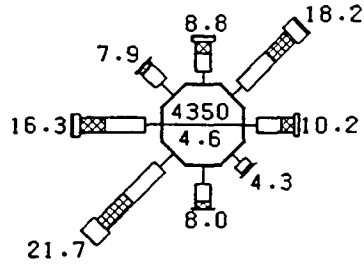
CURRENT ROSE, AT 10M/31M
89/10/01 (0000) - 90/01/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	1.7	2.6	1.1								5.5	6.8
NE	0.7	3.5	3.6	0.9	0.3	0.2	0.2				9.4	11.4
E	1.8	4.3	4.9	1.9	0.4	0.1					13.4	10.7
SE	2.4	2.7	1.6	0.5	0.4	+					7.6	8.3
S	3.6	3.4	1.8	1.2	0.2	+					10.3	8.2
SW	4.4	9.7	6.0	1.8	0.3			+			22.3	8.9
W	3.4	9.4	6.4	2.5	+	0.2	0.2				22.2	9.7
NW	2.3	2.8	0.5	0.4	+						6.0	6.7
TOTAL	20.3	38.3	26.0	9.2	1.7	0.6	0.4				96.6	8.9
CALC											3.4	



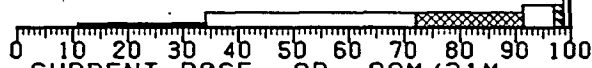
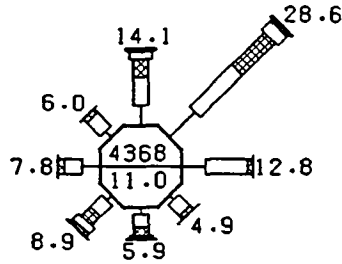
CURRENT ROSE, AT 10M/31M
90/01/01 (0000) - 90/02/11 (1600) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	6.6	2.3									8.9	3.6
NE	9.3	6.8	1.5	0.3							18.0	5.4
E	6.2	9.1	5.1	0.8							21.2	7.7
SE	3.3	5.5	2.5								11.3	7.0
S	4.8	1.0	0.2	+							6.1	3.8
SW	5.8	0.8	1.0	0.6							8.4	5.1
W	5.3	2.3	0.5								8.1	4.4
NW	4.1	1.4									5.6	3.7
TOTAL	45.5	29.4	10.9	1.8							87.6	5.0
CALC											12.3	



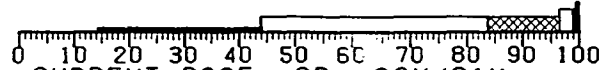
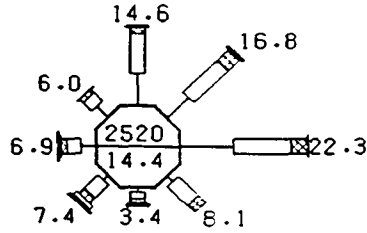
CURRENT ROSE, AB 28M/31M
88/01/01 (0000) - 88/04/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	2.3	3.3	2.2	0.9	0.2						8.8	8.8
NE	2.7	7.4	5.3	2.5	0.4						18.2	0.0
E	2.5	4.3	2.5	0.9	+						10.2	8.3
SE	2.2	1.5	0.5	+							4.3	5.9
S	3.4	3.1	1.3	0.2							8.0	6.5
SW	3.6	7.9	6.9	3.3	0.1						21.7	9.8
W	3.0	7.3	4.5	1.3	0.3						16.3	8.9
NW	3.3	3.4	0.9	0.2	+						7.9	6.3
TOTAL	22.9	38.2	24.0	9.1	1.2						95.4	8.3
CALM											4.6	



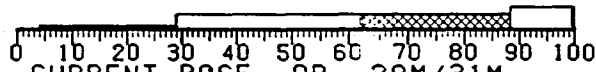
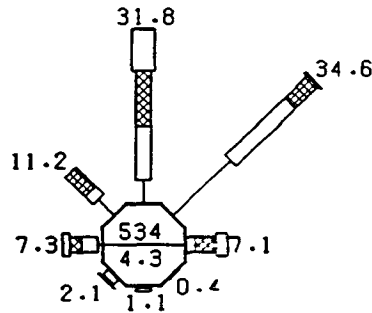
CURRENT ROSE, AB 28M/31M
88/04/01 (0000) - 88/07/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	3.6	5.1	3.3	1.3	0.3	0.4					14.1	9.3
NE	6.5	10.8	8.3	2.2	0.5	0.4					28.6	9.0
E	4.3	7.4	1.0	+							12.8	6.1
SE	1.1	2.8	0.8	+	+	+					4.9	7.6
S	1.3	2.3	1.5	0.5	0.2				+		5.9	9.2
SW	1.3	3.0	2.4	1.4	0.7	0.2					8.9	11.4
W	3.3	3.2	1.1	0.1							7.8	6.4
NW	1.6	3.4	1.0	+							6.0	7.1
TOTAL	23.0	38.0	19.3	5.6	1.7	1.1	0.2				89.0	7.6
CALM											11.0	



CURRENT ROSE, AB 28M/31M
88/07/01 (0000) - 88/10/01 (0000) (GMT)

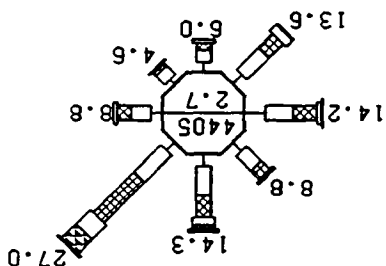
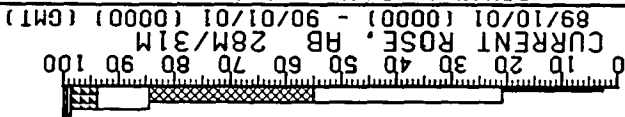
DIR	RANGE (CM/S) E.G. 1 < V ≤ 5							TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40		
N	6.0	7.1	1.2	0.3				14.6	6.3
NE	5.2	8.3	2.7	0.4	0.2			16.8	7.2
E	9.1	10.2	2.9	+				22.3	6.0
SE	1.4	4.9	1.7					8.1	7.7
S	0.9	1.2	0.6	0.4	+			3.4	9.0
SW	1.2	3.4	1.4	0.8	0.2	0.4		7.4	10.1
W	2.8	2.5	1.2	0.4	+	0.1		6.9	7.2
NW	2.9	2.1	0.9	+				6.0	6.1
TOTAL	29.4	39.8	12.9	2.4	0.5	0.5		85.6	6.0
CALC								14.4	



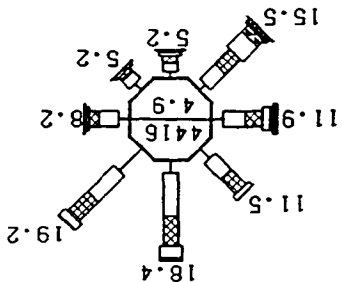
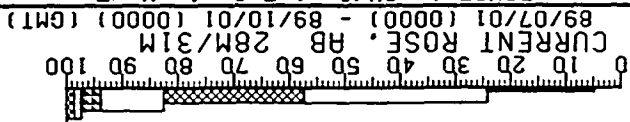
CURRENT ROSE, AB 28M/31M
89/04/01 (0000) - 89/07/01 (0000) (GMT)

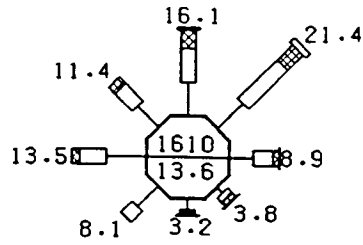
DIR	RANGE (CM/S) E.G. 1 < V ≤ 5							TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40		
N	4.3	9.7	9.9	7.7	0.2			31.8	10.7
NE	14.0	14.8	5.4	0.2	0.2			34.6	6.3
E	0.2	1.5	3.6	1.9				7.1	11.9
SE	0.2	0.2						0.4	4.1
S	0.6	0.6						1.1	5.0
SW	0.4	1.1	0.4	0.2				2.1	8.7
W	0.9	3.0	2.1	1.3				7.3	10.6
NW	4.1	2.1	5.1					11.2	7.6
TOTAL	24.7	33.0	26.4	11.2	0.4			95.7	8.3
CALC								4.3	

DIR	N	NE	E	SE	S	SW	M	NM	TOTL	CHLM
-5	2.3	5.8	6.7	5.0	1.5	0.7	5.5	2.1	0.7	18.2
5-10	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	34.2
10-15	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
15-20	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
20-25	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
25-30	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
30-35	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
35-40	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
40-45	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
45-50	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
50-55	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
55-60	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
60-65	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
65-70	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
70-75	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
75-80	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
80-85	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
85-90	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
90-95	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
95-100	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	29.4
RNGE (CM/S) E.G. 1 < V ≤ 5										
AVG										



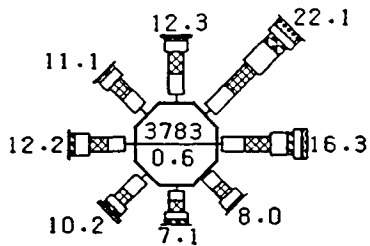
DIR	N	NE	E	SE	S	SW	M	NM	TOTL	CHLM
-5	2.3	7.8	5.5	2.1	0.7	5.5	2.1	0.7	18.2	18.2
5-10	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	33.2
10-15	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
15-20	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
20-25	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
25-30	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
30-35	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
35-40	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
40-45	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
45-50	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
50-55	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
55-60	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
60-65	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
65-70	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
70-75	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
75-80	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
80-85	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
85-90	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
90-95	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
95-100	10.1	18.4	19.2	8.2	8.9	2.0	3.5	1.8	0.5	25.2
RNGE (CM/S) E.G. 1 < V ≤ 5										
AVG										





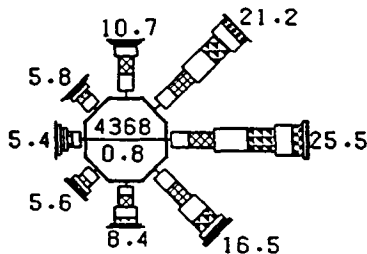
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, AB 28M/31M
 90/01/01 (0000) - 90/02/03 (1300) (GMT)

DIR	RANGE (CH/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	6-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	6.0	6.2	3.4	0.4		+					16.1	7.0
NE	6.5	9.9	3.9	1.1							21.4	7.5
E	4.2	3.4	1.2			+					8.9	5.8
SE	1.4	1.1	1.1	0.2							3.8	7.8
S	2.0	0.6	0.4	0.2							3.2	6.1
SW	5.2	2.9				+					8.1	4.6
W	7.2	4.8	1.4								13.5	5.5
NW	5.3	4.5	1.6								11.4	6.0
TOTAL	38.0	33.3	13.0	2.1		+					86.4	5.6
CALM											13.6	



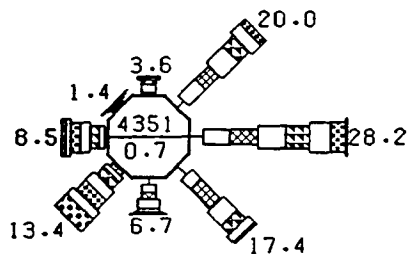
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, BT 10M/60M
 88/01/01 (0000) - 88/04/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	1.6	3.7	4.0	2.0	0.6	0.3	0.2			12.3	11.6
NE	1.4	5.0	5.6	4.9	2.0	1.4	1.6		+	22.1	15.3
E	0.9	4.1	4.7	3.0	1.1	1.5	1.0			16.3	14.6
SE	0.6	2.5	2.5	1.9	0.5					8.0	12.0
S	1.1	1.8	2.1	1.2	0.9					7.1	12.0
SW	1.5	3.6	2.2	1.4	0.8	0.2	0.5			10.2	12.2
W	1.9	3.1	3.4	2.6	1.0	0.2			+	12.2	11.8
NW	1.9	3.3	3.1	1.9	0.7	0.2				11.1	11.1
TOTAL	10.9	27.1	27.7	18.9	7.6	3.8	3.4		+	99.4	13.0
CALM										0.6	



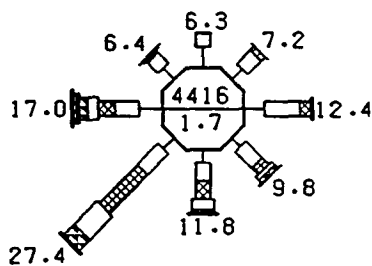
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, BT 10M/60M
 88/04/01 (0000) - 88/07/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	1.5	3.0	3.2	1.8	0.5	0.3	0.2			10.7	12.3
NE	1.7	3.1	4.4	4.8	3.6	2.2	1.4	0.2		21.2	17.0
E	0.9	3.2	4.6	5.9	4.9	3.1	1.8	0.7	0.3	25.5	19.3
SE	1.4	3.0	4.0	3.4	2.4	1.0	0.6	0.4	0.3	16.5	16.6
S	1.0	1.6	2.1	2.0	1.1	0.3	0.3		+	8.4	14.2
SW	0.9	1.8	0.9	0.9	0.6	0.3	0.3			5.6	12.9
W	0.9	1.5	0.9	0.6	0.6	0.6	0.2		+	5.4	13.7
NW	0.9	1.9	1.3	0.8	0.4	0.1	0.2	0.2		5.8	13.0
TOTAL	9.0	19.1	21.4	20.1	14.2	8.0	4.9	1.6	0.7	99.2	16.0
CALM										0.8	



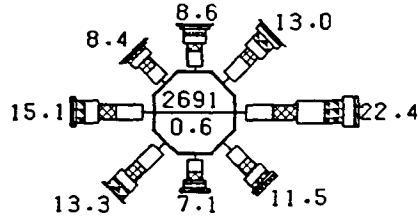
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, BT 10M/60M
 88/07/01 (0000) - 88/10/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	0.6	1.5	0.8	0.5	0.2						3.6	10.0
NE	1.7	4.2	3.6	4.2	2.7	2.2	1.4				20.0	16.0
E	2.5	4.7	5.1	4.9	4.3	3.7	2.7	0.3			28.2	17.5
SE	2.4	2.4	5.1	3.4	2.2	1.5	0.5				17.4	14.6
S	1.3	1.4	1.2	1.6	0.7						6.7	13.3
SW	+	0.3	0.8	0.9	2.0	2.1	2.4	1.6	3.1		13.4	35.0
W	+	0.3	0.3	1.0	1.7	1.7	1.8	0.9	0.7		8.5	29.9
NW	0.3	0.4	0.1	0.2	0.2						1.4	14.0
TOTAL	9.0	15.2	17.1	16.7	13.9	11.5	9.1	3.0	3.9		99.3	19.4
CALC											0.7	



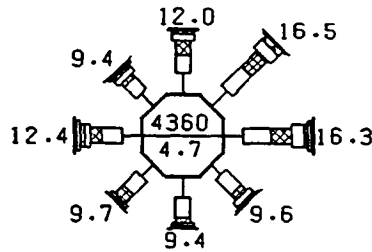
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, BT 10M/60M
 88/10/01 (0000) - 89/01/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	3.7	2.5	0.2								6.3	4.6
NE	2.7	3.5	1.0	+							7.2	6.3
E	3.7	6.3	1.9	0.5							12.4	7.0
SE	2.3	4.2	1.6	0.8	0.7	0.2					9.8	9.3
S	2.4	3.2	3.4	1.8	0.6	0.3					11.8	10.9
SW	2.8	5.5	9.9	6.0	2.7	0.4					27.4	12.8
W	4.4	4.5	3.2	2.0	1.5	0.5	0.6	0.3			17.0	11.9
NW	2.9	2.6	0.5	0.2	0.2						6.4	6.5
TOTAL	24.9	32.2	21.7	11.3	5.8	1.4	0.6	0.3			98.3	9.8
CALC											1.7	



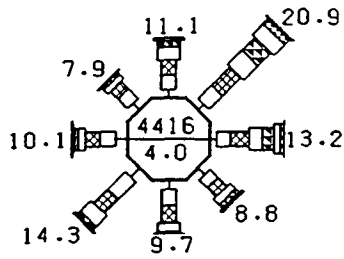
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, BT 10M/60M
 89/01/01 (0000) - 89/04/01 (0000) (GMT)

DIR	RANGE (CM/S) F.O. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	1.0	2.7	1.5	1.4	1.2	0.5	0.2	0.2		8.6	14.2
NE	1.7	4.1	2.1	1.8	1.7	0.9	0.6	0.1		13.0	14.0
E	2.1	4.9	4.4	4.9	3.3	2.0	0.7			22.4	15.2
SE	2.3	2.9	2.5	1.7	0.8	0.5	0.8			11.5	12.9
S	1.2	2.2	1.5	0.6	0.9	0.6	0.1			7.1	12.5
SW	2.0	4.2	2.9	1.9	2.1	0.2				13.3	11.9
W	2.1	4.8	3.2	2.5	1.6	0.5	0.4			15.1	12.3
NW	1.1	2.6	2.0	1.4	0.6	0.1	0.3	0.3		8.4	13.6
TOTAL	13.4	28.4	20.1	16.2	12.2	5.4	3.1	0.7		99.4	13.4
CALM										0.6	



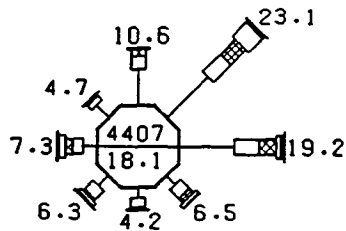
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, BT 10M/60M
 89/04/01 (0000) - 89/07/01 (0000) (GMT)

DIR	RANGE (CM/S) F.O. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	3.9	3.2	2.6	1.2	0.7	0.3				12.0	9.4
NE	4.1	5.0	4.0	1.9	1.1	0.3				16.5	10.2
E	3.6	5.0	3.7	2.2	0.6	0.6	0.3	0.2		16.3	11.0
SE	2.5	3.9	1.3	1.1	0.4	0.3				9.6	9.4
S	3.8	3.6	0.9	0.6	0.4					9.4	7.5
SW	3.1	3.4	2.2	0.5	0.3					9.7	8.4
W	3.6	3.8	2.1	1.0	0.8	0.7	0.3	0.2		12.4	10.7
NW	3.3	2.9	0.9	1.1	0.5	0.3	0.4			9.4	10.0
TOTAL	27.8	30.9	17.7	9.7	4.8	2.8	1.1	0.5		95.3	9.3
CALM										4.7	



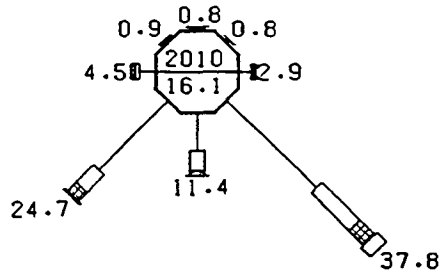
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, BT 10M/60M
 89/07/01 (0000) - 89/10/01 (0000) (GMT)

DIR	RANGE (CM/S) E.O. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	1.5	2.6	2.8	2.4	1.2	0.5	+			11.1	12.9
NE	1.5	3.5	4.6	3.6	3.4	2.7	1.5	0.1	+	20.9	17.1
E	1.2	2.4	3.4	2.4	2.1	1.1	0.7			13.2	15.5
SE	1.7	2.0	2.3	1.4	1.0	0.4	0.1			8.8	12.2
S	1.7	3.0	3.1	1.5	0.4		+			9.7	10.5
SW	2.4	4.5	3.6	2.6	0.9	0.4				14.3	11.1
W	2.2	2.8	2.7	1.3	0.8	0.1	0.1	+		10.1	11.0
NW	1.7	2.4	1.9	1.0	0.6	0.2	+			7.9	10.8
TOTAL	13.8	23.2	24.2	16.3	10.3	5.4	2.5	0.2	+	96.0	12.7
CALM										4.0	



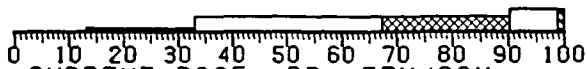
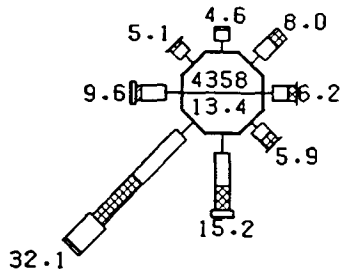
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, BT 10M/60M
 89/10/01 (0000) - 90/01/01 (0000) (GMT)

DIR	RANGE (CM/S) E.O. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	6.5	2.4	1.2	0.2	0.2					10.6	5.2
NE	10.5	4.4	4.0	3.6	0.5	+	+			23.1	7.9
E	10.1	4.5	3.0	0.8	0.7	0.2				19.2	6.6
SE	2.2	2.2	1.1	0.7	0.2					6.5	8.0
S	1.9	1.7	0.4	0.2		+				4.2	6.3
SW	2.6	2.2	0.5	0.6	0.2	0.2				6.3	7.7
W	2.6	1.9	1.3	1.1	0.2	+				7.3	8.7
NW	3.1	1.0	0.5							4.7	4.7
TOTAL	39.6	20.4	11.9	7.3	2.2	0.5	+			81.9	5.8
CALM										18.1	



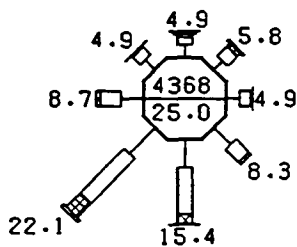
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, BT 10M/60M
 90/01/01 (0000) - 90/02/11 (2100) (GMT)

DIR	RANGE [CM/S] E.G. 1 < V ≤ 5								TOTAL	AVG SPEED
	1-5	6-10	10-15	15-20	20-25	25-30	30-40	40-50		
N	0.5	0.1	+	+					0.8	4.3
NE	0.7	+							0.8	2.6
E	2.0	0.6	0.3						2.9	4.2
SE	22.2	9.5	3.8	2.3					37.8	5.5
S	6.8	3.6	0.9	+					11.4	4.9
SW	17.6	4.4	2.3	0.3	+				24.7	4.5
W	3.0	0.8	0.7						4.5	4.9
NW	0.5	0.3	+						0.9	4.6
TOTAL	53.5	19.5	8.1	2.8	+				83.9	4.2
CALM									16.1	



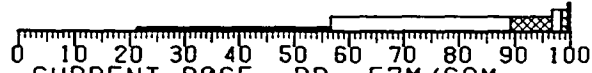
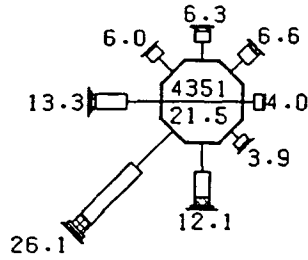
CURRENT ROSE, BB 57M/60M
88/01/01 (0000) - 88/04/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	2.0	2.0	0.6								4.6	5.9
NE	2.2	3.5	2.3								8.0	7.4
E	1.8	2.8	1.5	+							6.2	7.4
SE	1.5	2.2	2.0	+							5.9	7.9
S	3.6	5.9	4.5	1.1	+						15.2	8.6
SW	3.3	11.4	10.4	6.2	0.8						32.1	10.8
W	3.0	4.5	1.0	0.8	0.3						9.6	7.8
NW	2.2	2.0	0.6	0.3							5.1	6.5
TOTAL	19.7	34.3	23.0	8.5	1.2						86.6	7.7
CALM											13.4	



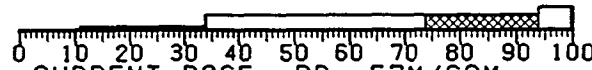
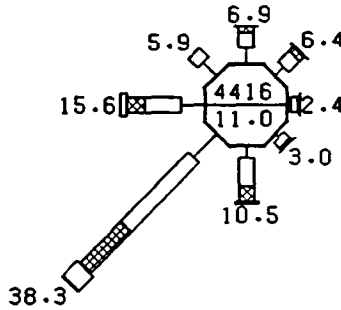
CURRENT ROSE, BB 57M/60M
88/04/01 (0000) - 88/07/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	2.4	1.3	0.6	0.3	0.2	+					4.9	7.2
NE	2.3	2.3	0.8	0.4							5.8	7.1
E	2.5	2.0	0.4	+							4.9	5.4
SE	4.3	3.4	0.6								8.3	5.3
S	5.1	8.4	1.7	0.2	+	+	+				15.4	6.5
SW	6.6	11.4	3.5	0.6							22.1	7.0
W	4.1	3.8	0.8								8.7	5.7
NW	2.5	1.9	0.4	+		+					4.9	5.6
TOTAL	29.7	34.6	8.7	1.6	0.2	0.1	+				75.0	4.8
CALM											25.0	



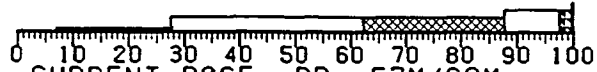
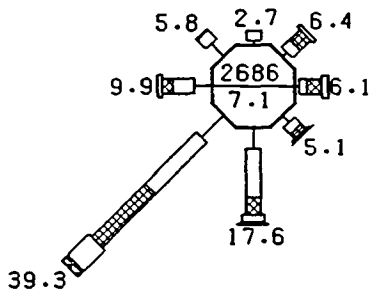
CURRENT ROSE, BB 57M/60M
88/07/01 (0000) - 88/10/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5								TOTAL	AVG SPEED	
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50			50+
N	3.3	1.9	0.7	0.3	+					6.3	6.0
NE	3.2	2.5	0.8	0.2						6.6	5.8
E	2.1	1.6	0.3							4.0	5.3
SE	2.0	1.3	0.5	+	+					3.9	5.9
S	5.2	4.7	1.4	0.4	0.3	0.1				12.1	7.0
SW	9.4	13.1	2.4	0.6	0.5	0.1	0.1			26.1	6.8
W	6.3	5.7	0.8	0.1	0.3	+	+			13.3	6.2
NW	3.7	1.8	0.5	+	+					6.0	5.0
TOTAL	35.1	32.6	7.4	1.6	1.2	0.3	0.2			78.5	5.0
CALM										21.5	



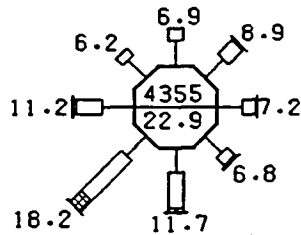
CURRENT ROSE, BB 57M/60M
88/10/01 (0000) - 89/01/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5								TOTAL	AVG SPEED	
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50			50+
N	2.9	2.7	1.2	+						6.9	6.4
NE	2.2	2.8	1.2	0.2						6.4	7.0
E	0.7	1.2	0.3	0.1						2.4	7.2
SE	0.9	1.5	0.6	+						3.0	7.0
S	2.2	5.1	2.7	0.4	+					10.5	8.2
SW	6.0	17.6	10.7	3.7	0.2					38.3	9.2
W	4.4	6.6	3.4	1.2	+					15.6	7.8
NW	3.4	2.4	+							5.9	4.6
TOTAL	22.8	40.0	20.1	5.8	0.4					89.0	7.2
CALM										11.0	



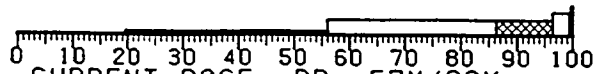
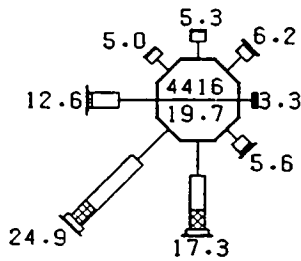
CURRENT ROSE, BB 57M/60M
89/01/01 (0000) - 89/04/01 (0000) (GMT)

DIR	RANGE (CM/S) F.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	0.9	1.7	0.1							2.7	5.7
NE	1.2	1.9	2.6	0.7						6.4	9.5
E	0.8	1.4	2.6	1.2	0.1					6.1	11.2
SE	1.7	1.6	1.2	0.3	0.2					5.1	8.7
S	3.8	8.7	3.2	1.3	0.3	0.2				17.6	8.7
SW	5.7	13.1	13.6	5.4	1.5					39.3	10.5
W	3.2	3.8	2.0	0.9						9.9	8.0
NW	3.3	2.3	0.2							5.8	5.1
TOTAL	20.5	34.7	25.5	9.8	2.2	0.3				92.9	8.6
CALM										7.1	



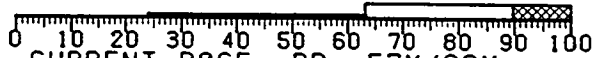
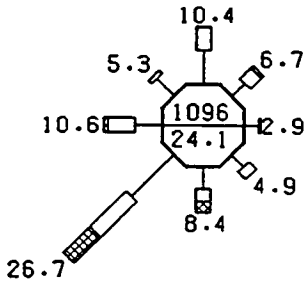
CURRENT ROSE, BB 57M/60M
89/04/01 (0000) - 89/07/01 (0000) (GMT)

DIR	RANGE (CM/S) F.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	4.6	2.2	+							6.9	4.3
NE	4.9	3.5	0.4	+						8.9	5.1
E	4.6	2.4	0.2	+						7.2	4.4
SE	4.3	2.0	0.3	0.1	+					6.8	4.9
S	4.4	6.4	0.8	+						11.7	6.1
SW	5.1	10.1	2.8	+	+					18.2	6.9
W	5.8	4.7	0.6	+	+					11.2	5.2
NW	4.5	1.7	+							6.2	3.9
TOTAL	38.1	33.1	5.3	0.4	0.2					77.1	4.2
CALM										22.9	



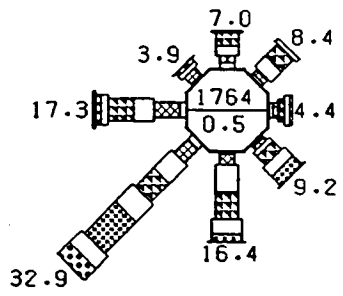
CURRENT ROSE, BB 57M/60M
89/07/01 (0000) - 89/10/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5								TOTAL	AVG SPEED	
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50			50+
N	3.2	1.8	0.4							5.3	4.8
NE	3.7	1.8	0.3	0.3		+				6.2	5.6
E	2.4	0.5	0.4							3.3	4.5
SE	2.7	2.0	0.6	0.3						5.6	6.1
S	6.3	6.2	3.5	1.0		+	0.2			17.3	7.5
SW	7.9	11.7	3.9	1.2	0.1	0.1				24.9	7.3
W	6.9	4.8	0.6	0.1		+	+			12.6	5.3
NW	3.1	1.5	0.4							5.0	4.7
TOTAL	35.3	30.3	10.1	2.9	0.3	0.3				80.3	5.2
CALM										19.7	



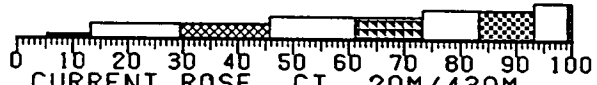
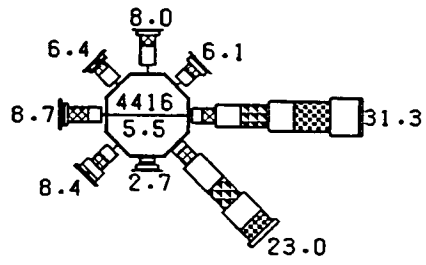
CURRENT ROSE, BB 57M/60M
89/10/01 (0000) - 89/10/23 (2000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5								TOTAL	AVG SPEED	
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50			50+
N	6.1	4.2		+						10.4	4.9
NE	3.3	2.7	0.6							6.7	5.8
E	2.6	0.4								2.9	2.9
SE	3.0	1.9								4.9	4.4
S	4.0	2.3	2.1							8.4	6.4
SW	10.8	9.2	6.8							26.7	6.5
W	4.9	4.9	0.7							10.6	5.1
NW	4.5	0.8								5.3	3.2
TOTAL	39.1	26.5	10.3							75.9	4.2
CALM										24.1	



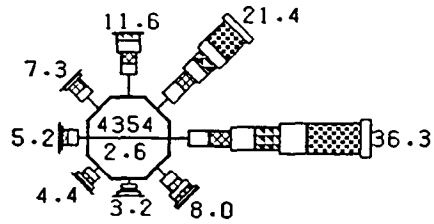
CURRENT ROSE, CT 20M/430M
88/08/25 (0600) - 88/10/01 (0000) (GMT)

DIR	RANGE (CM/8) F.O. 1 < V ≤ 5									TOTAL	SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	+	1.1	1.2	1.8	2.4	0.4				7.0	16.9
NE	0.2	0.5	1.1	2.7	3.1	0.8		+		8.4	18.8
E	0.1	0.7	0.9	0.3	0.9	0.9	0.5			4.4	18.9
SE	0.3	0.4	0.7	0.9	2.2	2.2	2.3	0.2		9.2	24.0
S		0.5	1.9	4.9	5.0	2.6	1.4		+	16.4	21.3
SW	0.2	1.0	3.6	4.6	4.8	4.5	8.1	3.1	2.9	32.9	28.6
W	+	1.2	4.6	3.8	4.8	1.3	1.0	0.5		17.3	19.3
NW	+	0.5	1.8	0.9	0.7					3.9	15.1
TOTAL	1.0	6.0	15.8	19.8	23.9	12.8	13.4	3.9	3.0	99.5	22.7
CALM										0.5	



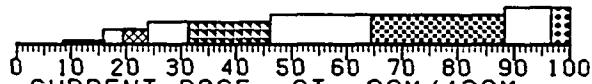
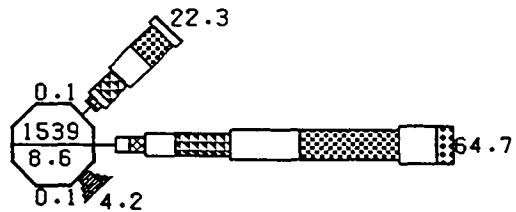
CURRENT ROSE, CT 20M/430M
88/10/01 (0000) - 89/01/01 (0000) (GMT)

DIR	RANGE (CM/8) F.O. 1 < V ≤ 5									TOTAL	SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	1.7	3.4	2.0	0.8	0.2					8.0	8.9
NE	1.2	2.0	1.5	0.9	0.3	0.2				6.1	10.4
E	0.7	1.8	2.4	4.4	5.1	4.5	6.5	5.2	0.7	31.3	27.2
SE	0.3	1.1	2.7	5.9	4.6	4.6	2.8	0.9		23.0	22.3
S	0.3	0.8	0.5	0.8	0.2				+	2.7	12.3
SW	1.5	2.0	2.1	1.6	0.7	0.1	0.4			8.4	12.5
W	1.0	2.4	3.7	0.6	0.5	0.3	0.2			8.7	11.7
NW	1.0	2.8	1.3	0.3	0.7	0.2			+	6.4	10.7
TOTAL	7.7	16.3	16.2	15.4	12.2	10.0	9.9	6.1	0.7	94.5	18.0
CALM										5.5	



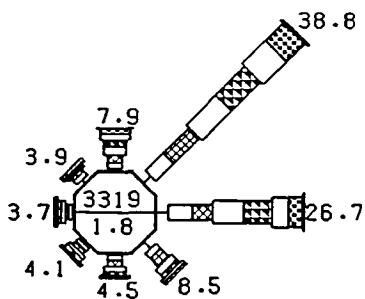
CURRENT ROSE, CT 20M/430M
89/04/01 (0000) - 89/07/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	4.0	2.0	2.0	2.0	1.3	0.1	+				11.6	10.3
NE	2.9	3.0	2.7	2.4	2.1	2.1	4.8	1.2			21.4	20.4
E	3.5	3.7	4.0	4.3	4.5	4.8	9.7	1.7	+		36.3	22.4
SE	2.2	1.7	1.2	1.1	0.9	0.5	0.3				6.0	12.4
S	1.0	0.8	0.5	0.8	+	+					3.2	9.8
SW	1.4	1.2	0.8	0.6	0.4						4.4	9.6
W	1.8	1.8	1.0	0.3	0.2	+					5.2	8.0
NW	3.1	1.6	1.9	0.6	0.2	+					7.3	8.1
TOTAL	20.0	15.7	14.1	12.3	9.6	7.8	15.0	2.9	+		97.4	16.4
CALM											2.6	



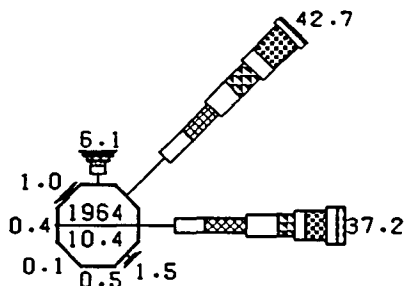
CURRENT ROSE, CT 20M/430M
89/07/01 (0000) - 89/10/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	0.1										0.1	1.4
NE	2.3	0.5	1.0	1.3	4.5	5.4	5.5	1.4	0.3		22.3	25.4
E	4.0	2.5	2.7	5.5	9.8	12.3	17.9	6.8	3.1		64.7	28.1
SE	0.6	0.5	0.7	0.5	0.6	0.5	0.5		+		4.2	18.0
S	+	+									0.1	4.3
SW												
W												
NW												
TOTAL	7.1	3.6	4.5	7.3	14.9	18.3	23.8	8.3	3.4		91.4	24.6
CALM											8.6	



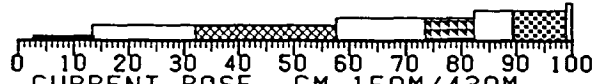
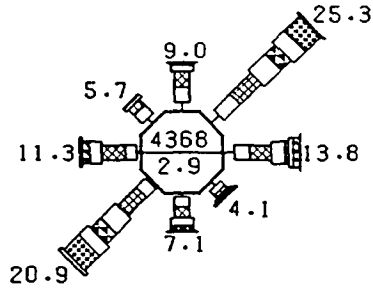
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, CT 20M/430M
 89/10/01 (0000) - 90/01/01 (0000) (GMT)

DIR	RANGE (CM/S) F.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	0.6	1.1	1.4	1.6	1.2	1.1	1.0	+			7.9	18.8
NE	1.9	4.6	6.5	7.5	7.4	5.9	4.5	0.4			38.8	19.4
E	2.3	4.3	3.7	5.6	5.1	2.8	2.6	0.2			26.7	17.9
SE	1.8	1.3	2.1	1.4	0.8	0.6	0.5				8.5	13.7
S	0.3	1.0	1.1	0.9	0.7	0.2	0.3				4.5	15.7
SW	0.6	0.6	0.9	0.6	0.8	0.3	0.3				4.1	15.4
W	0.4	0.8	0.5	0.9	0.6	0.4	0.2				3.7	15.9
NW	0.9	0.9	0.5	0.3	0.3	0.3	0.7				3.9	15.0
TOTAL	8.9	14.6	16.8	18.8	16.9	11.6	10.1	0.7			98.2	17.5
CALM												1.8



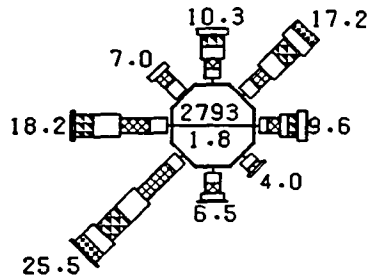
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, CT 20M/430M
 90/01/01 (0000) - 90/02/10 (2200) (GMT)

DIR	RANGE (CM/S) F.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	2.0	1.4	0.7	0.3	0.7	0.3	0.6	0.1			6.1	12.2
NE	0.0	5.8	6.5	5.1	4.9	2.9	5.9	1.1	0.5		42.7	16.6
E	6.6	5.3	7.5	5.7	3.0	1.9	3.8	2.0	1.4		37.2	17.9
SE	1.0	0.2	0.3	0.1							1.5	5.2
S	0.5										0.5	2.2
SW	0.1										0.1	1.4
W	0.4										0.4	2.1
NW	0.4	0.2	0.2	0.1	0.1	0.1					1.0	10.4
TOTAL	21.0	12.9	15.1	11.4	8.7	5.2	10.2	3.2	1.9		89.6	14.7
CALM												10.4



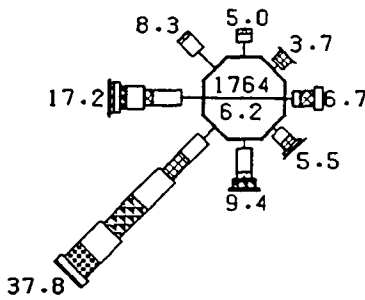
CURRENT ROSE, CM 150M/430M
88/01/01 (0000) - 88/04/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	6-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	1.7	2.7	2.9	1.1	0.5	0.1				9.0	10.4
NE	2.1	4.1	5.4	4.2	2.4	2.9	3.9	0.3		25.3	18.0
E	2.1	2.7	3.9	2.4	0.5	0.8	1.3			13.8	14.4
SE	1.1	1.1	0.9	0.3	0.2	0.2	0.3			4.1	11.6
S	0.7	1.8	1.9	1.4	1.0	0.2				7.1	13.1
SW	0.6	2.2	4.8	3.7	2.6	2.4	3.8	0.7		20.9	20.6
W	0.8	2.0	4.3	2.1	1.4	0.4	0.2			11.3	13.9
NW	1.3	2.0	1.5	0.6	0.2					5.7	9.3
TOTAL	10.5	18.7	25.6	15.8	8.8	7.0	9.5	1.1		97.1	15.3
CALH										2.9	



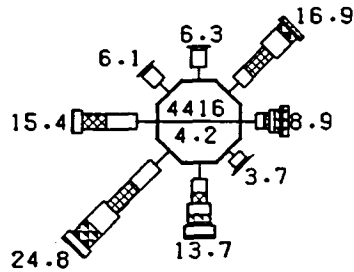
CURRENT ROSE, CM 150M/430M
88/04/01 (0000) - 88/07/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	6-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	1.2	1.7	1.9	2.1	2.2	1.1	0.1			10.3	15.6
NE	0.8	2.5	3.0	3.4	3.5	2.3	1.8			17.2	18.5
E	1.0	1.4	2.4	1.5	1.7	1.6	0.1			9.6	16.2
SE	1.0	1.6	0.9	0.5						4.0	9.0
S	1.2	1.9	1.8	1.2	0.3	0.1				6.5	11.1
SW	1.0	2.3	7.2	4.9	4.9	2.6	2.1	0.4		25.5	18.5
W	0.9	3.1	5.4	4.8	3.4	0.6	0.1			18.2	15.1
NW	0.6	2.6	2.5	1.2						7.0	10.9
TOTAL	7.6	17.1	25.0	19.6	16.0	8.2	4.3	0.4		98.2	15.6
CALH										1.8	



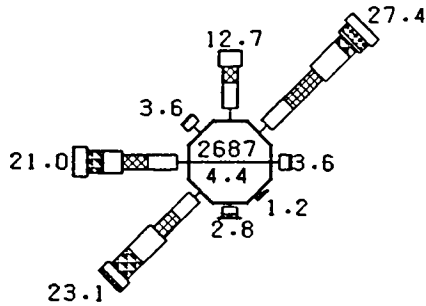
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, CM 150M/430M
 88/07/01 (0000) - 88/10/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	2.7	1.4	0.9								5.0	5.2
NE	1.2	0.6	1.9	0.1							3.7	8.3
E	1.4	1.3	2.4	1.6							6.7	10.5
SE	1.1	2.0	1.5	0.5	0.3	0.1					5.5	9.7
S	1.6	4.3	1.2	0.5	1.2	0.6					9.4	11.1
SW	3.1	4.6	4.6	7.0	7.4	5.4	3.9	1.4	0.4		37.8	20.1
W	4.0	5.2	1.5	3.2	1.2	1.2	0.7	0.2			17.2	12.3
NW	4.3	3.2	0.9								8.3	5.5
TOTAL	19.3	22.7	14.9	12.8	10.1	7.3	4.6	1.6	0.4		93.8	13.0
CALM											6.2	



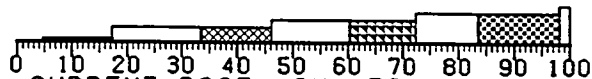
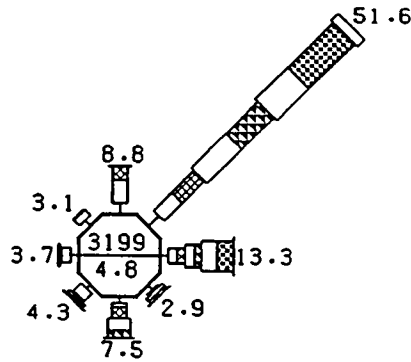
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, CM 150M/430M
 88/10/01 (0000) - 89/01/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	2.4	3.2	0.6	+	+						6.3	6.3
NE	2.7	2.6	5.3	3.9	1.4	0.4	0.6				16.9	13.3
E	2.9	1.5	0.9	1.0	1.0	0.5	1.2				8.9	13.4
SE	1.4	1.6	0.4	0.2		+					3.7	6.7
S	3.1	2.4	1.9	2.1	1.9	1.8	0.5				13.7	14.2
SW	3.6	5.2	5.9	4.7	3.5	1.4	0.4				24.8	13.4
W	3.8	5.5	4.4	1.6	0.2						15.4	8.8
NW	2.5	2.9	0.6	+							6.1	5.8
TOTAL	22.4	25.1	19.9	13.5	8.0	4.1	2.6				95.8	11.1
CALM											4.2	



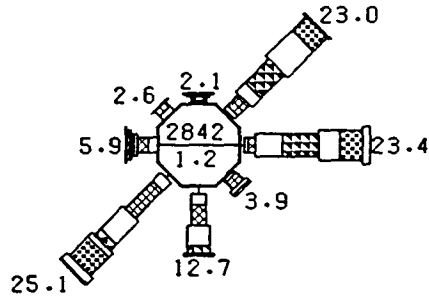
CURRENT ROSE, CM 150M/430M
89/01/01 (0000) - 89/04/01 (0000) (GMT)

DIR	RANGE (CM/S) F.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	2.3	4.7	2.9	2.8	0.1					12.7	10.0
NE	2.0	5.4	7.7	6.3	1.7	0.6	1.7	1.9	+	27.4	16.5
E	1.5	1.8	0.3							3.6	5.8
SE	0.7	0.4	+							1.2	4.6
S	0.7	1.3	0.6	0.1	+					2.8	8.0
SW	1.6	4.7	4.4	5.8	4.2	1.6	0.8			23.1	15.9
W	2.2	5.2	4.6	3.5	2.9	2.5	0.2			21.0	14.3
NW	1.9	1.5	0.3							3.6	5.4
TOTAL	12.9	24.9	21.0	18.5	9.0	4.7	2.8	1.9	+	95.6	13.2
CALM										4.4	



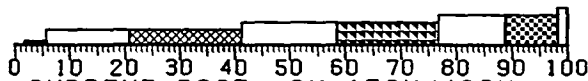
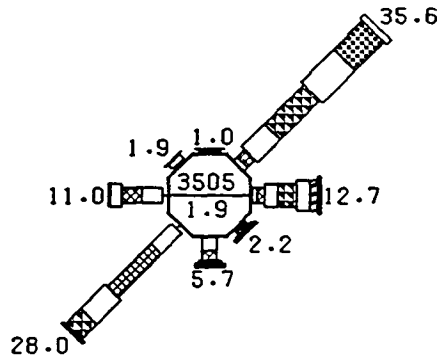
CURRENT ROSE, CM 150M/430M
89/04/01 (0000) - 89/07/01 (0000) (GMT)

DIR	RANGE (CM/S) F.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	2.0	4.1	2.5	0.1						8.8	7.9
NE	2.7	4.6	5.7	6.9	8.2	8.2	11.6	1.8	+	51.6	22.2
E	1.4	1.6	1.5	1.7	1.3	2.9	2.9	0.1		13.3	20.5
SE	1.1	0.5		0.7	0.6	+				2.9	11.1
S	1.2	0.8	2.0	2.1	1.3	+				7.5	13.8
SW	1.0	1.9	0.4	0.5	0.3	0.1				4.3	9.7
W	1.4	1.6	0.3	0.1	0.3					3.7	7.2
NW	1.5	1.4	0.2							3.1	5.3
TOTAL	12.3	16.3	12.6	14.2	12.0	11.3	14.4	1.9	+	95.2	17.1
CALM										4.8	



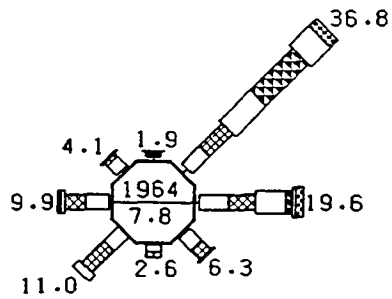
CURRENT ROSE, CM 150M/430M
89/07/01 (0000) - 89/10/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5								TOTAL	AVG SPEED	
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50			
N	0.3	0.3	0.6	0.2	0.3	+	0.3		2.1	15.9	
NE	0.5	0.8	2.9	2.4	6.0	6.5	3.6	0.4	23.0	23.3	
E	0.8	0.7	1.3	4.9	6.5	3.7	4.0	1.4	23.4	24.1	
SE	0.4	0.5	1.8	0.7	0.5				3.9	13.1	
S	1.4	2.0	3.7	3.7	1.4	0.3	0.2		12.7	13.7	
SW	1.0	2.1	7.0	5.7	1.7	1.1	4.8	1.4	0.4	25.1	20.8
W	+	1.7	2.0	0.7	0.4	0.4	0.7	+		5.9	16.0
NW	0.1	1.1	1.2	0.2						2.6	0.0
TOTAL	4.6	9.3	20.6	18.3	16.9	12.0	13.5	3.2	0.4	98.8	20.0
CALM										1.2	



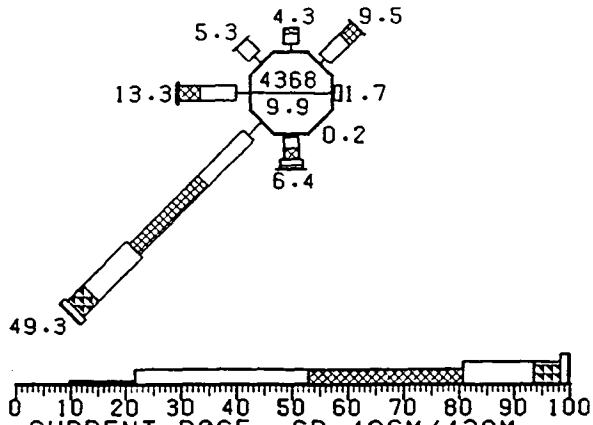
CURRENT ROSE, CM 150M/430M
89/10/01 (0000) - 90/01/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5								TOTAL	AVG SPEED	
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50			
N	0.1	0.4	+	0.2	0.2	+				1.0	12.6
NE	+	0.9	1.9	5.8	10.0	8.4	7.3	1.2		35.6	25.1
E	0.2	1.0	1.4	2.3	3.5	2.3	1.4	0.5	0.1	12.7	22.4
SE	0.3	0.5	0.5	0.3	+	0.3	0.3			2.2	15.6
S	0.2	2.4	1.7	0.3	0.3	0.4	0.4			5.7	13.5
SW	1.1	5.1	11.2	6.2	3.9	0.5				28.0	14.1
W	1.2	3.8	3.6	2.1	0.3					11.0	11.0
NW	0.6	1.0	0.2	+	+					1.9	6.8
TOTAL	3.8	15.1	20.6	17.2	18.3	12.0	9.4	1.7	0.1	98.1	18.3
CALM										1.9	

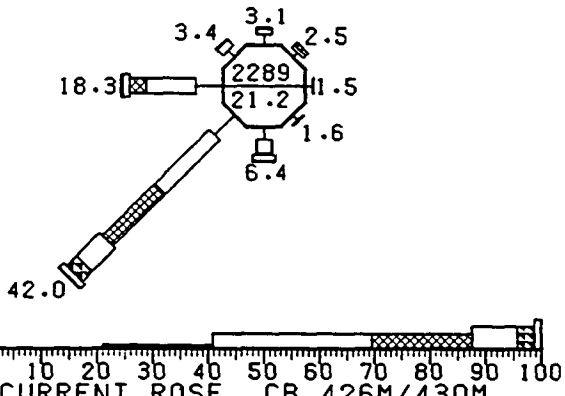


0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, CM 150M/430M
 90/01/01 (0000) - 90/02/10 (2200) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	0.8	0.5	0.6	+							1.9	7.4
NE	1.2	4.4	5.9	7.7	10.7	4.9	1.9				36.8	16.6
E	0.9	5.2	4.8	5.4	1.2	0.6	1.4				19.6	14.8
SE	0.5	3.1	2.3	0.4							6.3	9.1
S	0.3	1.3	1.0								2.6	9.0
SW	0.2	3.7	5.6	1.5							11.0	11.7
W	0.6	4.3	3.7	0.9	0.5						9.9	10.9
NW	0.7	2.3	0.7	0.4							4.1	6.4
TOTAL	5.0	24.9	24.6	16.3	12.4	5.5	3.4				92.2	13.4
CALM											7.8	

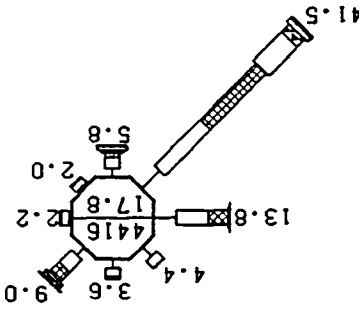
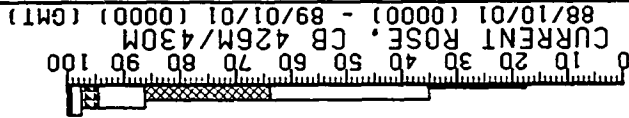


DIR	RANGE (CH/S) F.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	1.4	1.8	1.1							4.3	6.8
NE	1.4	4.9	3.0	0.2						9.5	8.7
E	0.4	1.1	0.2							1.7	7.0
SE	+	0.1								0.2	5.4
S	0.6	1.9	2.1	1.0	0.7	0.1				6.4	12.5
SW	3.4	11.7	17.5	11.2	4.1	1.2	0.3			49.3	13.2
W	2.5	6.5	3.8	0.4						13.3	8.3
NW	2.0	3.2	0.1	+						5.3	5.5
TOTAL	11.8	31.3	27.7	12.9	4.7	1.4	0.3			90.1	9.9
CALM										9.9	

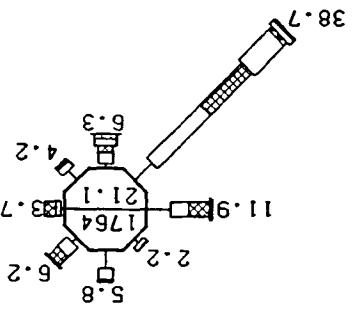
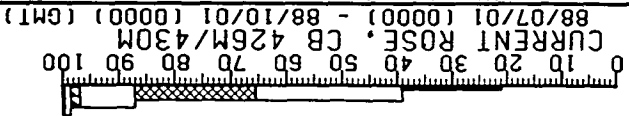


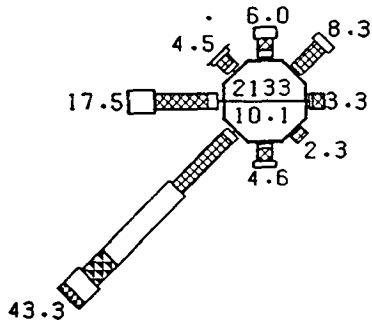
DIR	RANGE (CH/S) F.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	1.8	1.0	0.3							3.1	4.7
NE	1.2	0.7	0.7							2.5	6.2
E	1.3	+	0.1							1.5	2.8
SE	1.3	0.3								1.6	2.7
S	2.3	2.4	0.4	1.0	0.3					6.4	8.2
SW	5.2	13.8	13.3	5.9	2.5	1.1	0.1			42.0	11.4
W	4.8	8.9	3.1	1.2	0.3					18.3	7.6
NW	1.7	1.5	0.2							3.4	4.9
TOTAL	19.6	28.7	18.1	8.1	3.1	1.1	0.1			78.8	7.2
CALM										21.2	

DIR	1-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50+ TOTAL	SPEED
N	1.7	1.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	3.6	5.5
NE	1.9	3.2	2.4	0.5	0.7	0.2					9.0	10.1
E	0.4	1.4	0.3								2.2	7.3
SE	0.5	1.2	0.3								2.0	6.7
S	1.6	2.0	0.6	0.2	0.6	0.2					5.8	11.0
SW	4.7	11.8	14.3	7.4	1.9	1.0	0.4				41.5	11.9
M	4.1	5.9	3.6	+	0.1	+					13.8	7.4
NM	2.4	1.8	0.2								4.4	4.8
CHLM	17.4	28.8	22.4	8.3	3.0	1.8	0.6				82.2	8.2



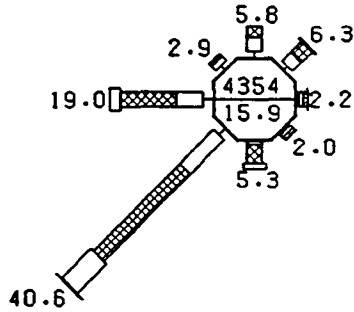
DIR	1-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50+ TOTAL	SPEED
N	3.3	2.0	0.5								5.8	5.2
NE	1.1	2.5	2.2	0.4							6.2	8.9
E	0.7	0.9	2.1								3.7	9.4
SE	2.2	1.3	0.7								4.2	5.4
S	0.9	2.0	1.2	1.2	0.9	+					6.3	12.1
SW	4.4	13.6	10.8	7.5	0.9	1.0	0.4				38.7	11.4
M	4.3	3.2	0.5								11.9	7.6
NM	1.1	0.9	0.2								2.2	5.1
CHLM	18.0	26.4	21.7	9.6	1.8	1.1	0.4				78.9	7.6





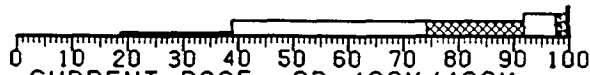
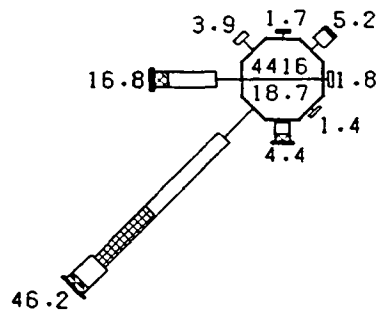
CURRENT ROSE, CB 426M/430M
89/01/01 (0000) - 89/04/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	0.6	1.3	2.1	2.1							6.0	11.7
NE	0.6	0.9	5.3	1.5							8.3	12.4
E	0.6	0.6	2.2								3.3	10.2
SE	0.1	0.5	1.7								2.3	10.8
S	0.4	0.8	2.3	1.1							4.6	11.9
SW	0.8	1.3	12.8	17.5	5.4	3.8	1.6				43.3	17.4
W	1.2	1.8	9.7	4.8	0.1						17.5	12.8
NW	0.8	0.9	1.9	0.8							4.5	10.7
TOTAL	5.1	8.1	37.9	27.8	5.5	3.8	1.6				89.9	13.1
CALC											10.1	



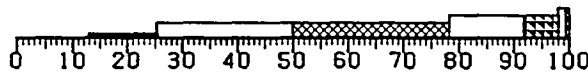
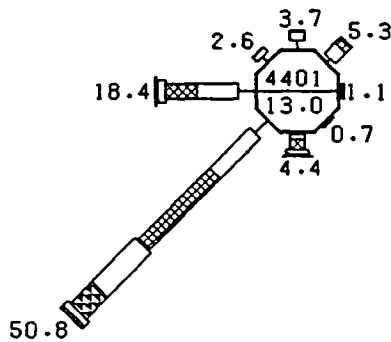
CURRENT ROSE, CB 426M/430M
89/04/01 (0000) - 89/07/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	1.3	2.5	2.0								5.8	8.5
NE	1.1	2.3	2.7	0.3							6.3	9.5
E	0.6	0.8	0.8								2.2	8.6
SE	0.5	0.6	0.8								2.0	8.1
S	0.2	0.6	3.4	0.9							5.3	12.7
SW	1.7	8.8	22.3	7.5	0.2						40.6	11.9
W	2.0	4.8	10.2	1.9							19.0	10.6
NW	1.1	1.1	0.7								2.9	6.6
TOTAL	8.6	21.5	43.0	10.7	0.3						84.1	9.2
CALC											15.9	



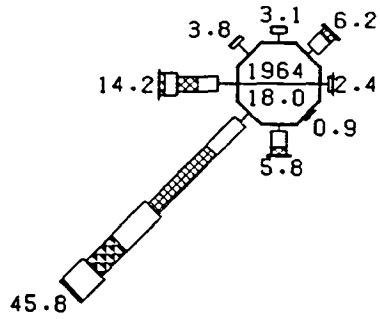
CURRENT ROSE, CB 426M/430M
89/07/01 (0000) - 89/10/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	1.1	0.6									1.7	4.0
NE	1.9	2.5	0.7								5.2	6.1
E	0.9	0.9									1.8	5.3
SE	0.8	0.6									1.4	4.8
S	0.5	2.0	1.4	0.5							4.4	9.6
SW	7.6	18.8	13.1	4.7	1.6	0.3	0.1				46.2	9.8
W	4.6	8.8	2.5	0.5	0.4						16.8	7.5
NW	2.7	1.1	+								3.9	3.7
TOTAL	20.2	35.2	17.7	5.8	2.0	0.3	0.1				81.3	6.9
CALC											18.7	



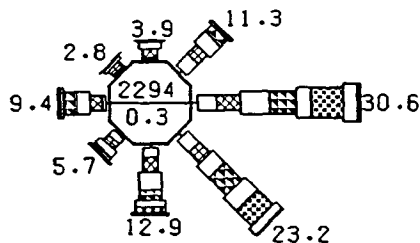
CURRENT ROSE, CB 426M/430M
89/10/01 (0000) - 90/01/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	1.8	1.6	0.2								3.7	5.3
NE	1.0	2.6	1.7								5.3	8.2
E	0.5	0.5	0.1								1.1	5.5
SE	0.5	0.2	+								0.7	4.0
S	0.4	0.9	1.9	0.8	0.4	+					4.4	12.3
SW	3.4	10.3	18.5	11.3	5.5	1.2	0.7				50.8	13.7
W	3.3	7.5	5.7	1.5	0.3	0.1	+				18.4	9.4
NW	1.4	1.1	0.1								2.6	4.9
TOTAL	12.2	24.7	28.3	13.6	6.2	1.3	0.7				87.0	10.1
CALC											13.0	



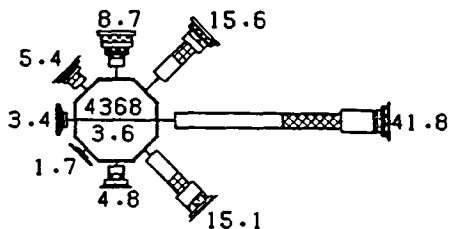
CURRENT ROSE, CB 426M/430M
90/01/01 (0000) - 90/02/10 (2200) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	1.8	1.2	0.1								3.1	4.7
NE	1.4	3.0	1.3	0.5							6.2	6.0
E	1.5	0.7	0.1	0.1							2.4	4.9
SE	0.6	0.3									0.9	4.6
S	1.2	2.9	1.3	0.4							5.8	6.2
SW	2.4	7.2	14.8	8.8	6.6	5.4	0.6				45.8	15.7
W	3.5	3.7	3.6	2.2	1.0	0.1					14.2	10.3
NW	2.8	0.8	0.2								3.8	3.9
TOTAL	15.2	19.8	21.3	12.0	7.6	5.5	0.6				82.0	10.1
CALM											18.0	



0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, DT 10M/60M
 89/02/12 (0500) - 89/04/01 (0000) (GMT)

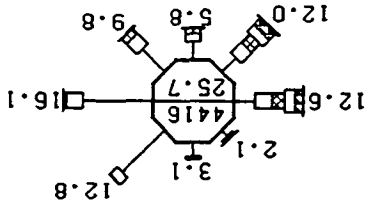
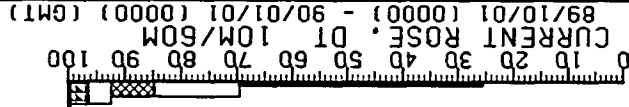
DIR	RANGE (CM/S) E.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	0.3	0.5	1.7	1.2	0.2	+				3.9	13.6
NE	0.8	2.9	2.4	2.7	1.7	0.5	0.3			11.3	14.4
E	1.2	3.4	4.4	5.1	4.9	2.6	5.8	2.6	0.6	30.6	22.9
SE	1.0	3.0	2.7	3.0	4.5	3.2	3.9	1.6	0.3	23.2	22.7
S	0.7	1.7	2.6	3.2	2.0	1.1	1.1	0.3	+	12.9	18.3
SW	0.7	1.3	1.4	1.3	0.7	0.2	0.2			5.7	13.7
W	0.7	0.7	2.1	2.4	2.4	0.6	0.5			9.4	17.4
NW	0.4	0.3	1.2	0.6	0.2	+				2.8	12.4
TOTAL	5.8	13.7	18.4	19.5	16.7	8.4	11.7	4.5	1.0	99.7	19.5
CALM										0.3	



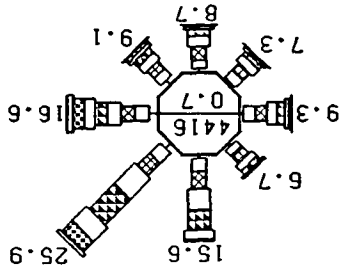
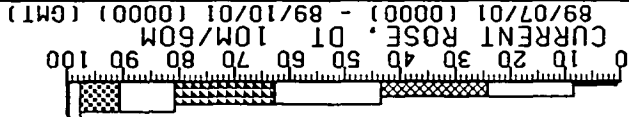
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, DT 10M/60M
 89/04/01 (0000) - 89/07/01 (0000) (GMT)

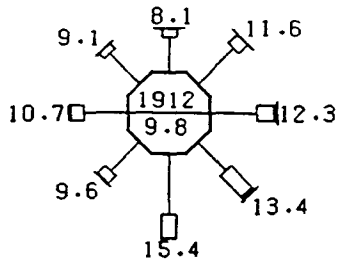
DIR	RANGE (CM/S) E.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	2.3	1.4	0.7	0.5	0.9	0.9	1.4	0.7		8.7	17.9
NE	3.7	4.4	3.5	1.4	0.9	0.4	0.8	0.5		15.6	12.3
E	3.3	19.4	10.4	5.8	1.4	0.5	0.7	0.3		41.8	11.0
SE	1.7	5.5	3.0	2.5	1.5	0.6	0.2	+		15.1	12.3
S	1.0	1.5	1.0	0.9	0.3	+				4.8	10.8
SW	1.0	0.3	+	+	+	+	0.2			1.7	9.1
W	1.5	0.6	0.3	0.3	+	0.1	0.5			3.4	11.9
NW	1.7	1.1	1.0	0.5	0.4	0.3	0.5	+		5.4	12.7
TOTAL	16.1	34.1	20.1	11.9	5.6	2.8	4.2	1.6		96.4	11.7
CALM										3.6	

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5	RVD
1-5	5-10 10-15 15-20 20-25 25-30 30-40 40-50 50+ 101RL SPEED	3.0
N		2.6
NE		10.8
E		12.5
SE		5.7
S		3.3
SM		3.6
M		3.8
NM		1.4
101RL		43.8
CALM		15.4



DIR	RANGE (CM/S) E.G. 1 < V ≤ 5	RVD
1-5	5-10 10-15 15-20 20-25 25-30 30-40 40-50 50+ 101RL SPEED	17.0
N		0.7
NE		1.4
E		1.6
SE		1.1
S		0.6
SM		0.7
M		0.7
NM		0.7
101RL		7.7
CALM		15.6

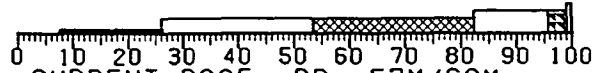
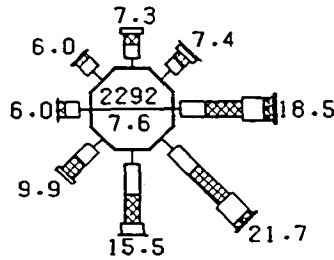




0 10 20 30 40 50 60 70 80 90 100

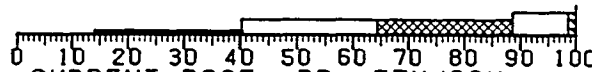
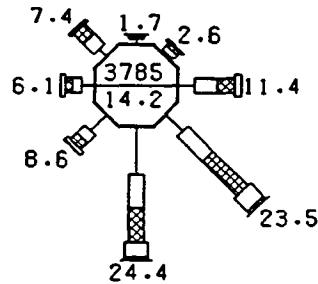
CURRENT ROSE, DT 10M/60M
90/01/01 (0000) - 90/02/09 (2000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5								TOTAL	AVG SPEED	
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50			50+
N	6.3	1.6		+	+			+		8.1	4.0
NE	9.1	2.3						+		11.6	3.7
E	8.6	3.2	0.5		+					12.3	4.3
SE	7.2	5.5	0.6	0.2						13.4	5.2
S	11.0	4.3	0.2							15.4	4.0
SW	7.4	1.9	0.2		+	+				9.6	3.9
W	7.9	2.4	0.4							10.7	3.8
NW	7.7	1.3		0.1						9.1	3.6
TOTAL	65.2	22.5	1.8	0.4	0.1		+	0.1		90.2	3.8
CALM										9.8	



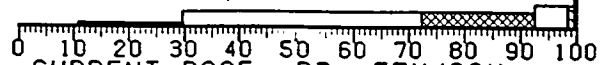
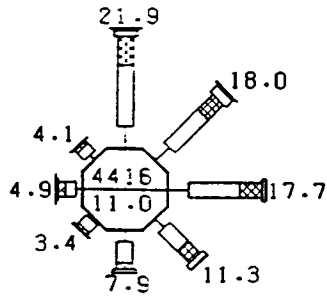
CURRENT ROSE, DB 57M/60M
89/02/12 (0600) - 89/04/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5								TOTAL	AVG SPEED	
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50			50+
N	1.7	2.5	2.0	1.0	0.1					7.3	9.3
NE	2.5	2.0	1.6	1.0	0.3	+				7.4	9.2
E	1.3	4.5	6.7	3.8	1.7	0.4	+			18.5	13.1
SE	3.1	5.1	7.7	4.4	1.0	0.2	0.1			21.7	11.7
S	2.7	5.5	5.1	2.0		+	+	+		15.5	9.6
SW	2.4	3.2	3.4	0.8						9.9	8.7
W	2.1	2.5	1.4	+						6.0	7.2
NW	2.5	2.1	1.0	0.3						6.0	6.7
TOTAL	18.4	27.4	28.9	13.3	3.4	0.7	0.3			92.4	9.5
CALC										7.6	



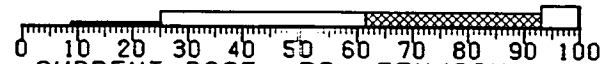
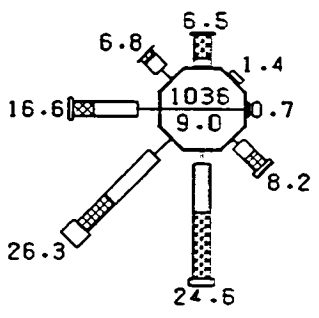
CURRENT ROSE, DB 57M/60M
89/04/01 (0000) - 89/07/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5								TOTAL	AVG SPEED	
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50			50+
N	1.0	0.6	0.2	+						1.7	5.2
NE	0.6	1.0	0.6	0.4						2.6	9.4
E	3.0	4.0	3.1	1.1	+					11.4	8.7
SE	4.4	6.4	8.8	3.3	0.7	+				23.5	10.3
S	8.7	6.1	6.2	2.7	0.6	+				24.4	8.6
SW	4.1	2.0	1.7	0.8		+				8.6	7.0
W	2.3	1.6	1.3	0.9	+					6.1	8.3
NW	1.8	2.6	2.4	0.6						7.4	8.7
TOTAL	26.0	24.1	24.3	9.9	1.4	+				85.8	7.6
CALC										14.2	



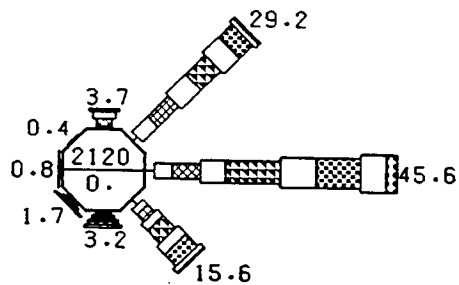
CURRENT ROSE, DB 57M/60M
89/07/01 (0000) - 89/10/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5								TOTAL	AVG SPEED	
	1-5	6-10	10-15	16-20	20-25	25-30	30-40	40-50			50+
N	4.0	10.9	5.4	1.0	0.3	0.2	+			21.9	8.6
NE	3.5	8.4	3.9	1.7	0.3	0.1	+			18.0	9.2
E	3.7	9.1	4.0	0.7	0.1					17.7	8.0
SE	2.2	4.7	3.1	1.1	0.2					11.3	9.0
S	2.1	3.8	1.2	0.7	+					7.9	7.9
SW	0.6	2.0	0.6	0.2	0.1					3.4	6.5
W	1.2	1.9	1.3	0.3	0.1	+				4.9	6.8
NW	1.2	1.8	0.9	0.2						4.1	7.4
TOTAL	18.6	42.6	20.3	5.8	1.2	0.3	0.1			89.0	7.6
CALH										11.0	



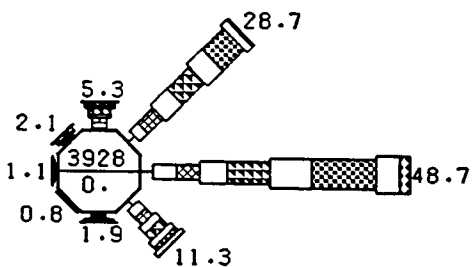
CURRENT ROSE, DB 57M/60M
89/10/01 (0000) - 89/10/22 (1400) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5								TOTAL	AVG SPEED	
	1-5	6-10	10-15	16-20	20-25	25-30	30-40	40-50			50+
N	0.3	1.5	4.2	0.5						6.5	10.9
NE	0.5	0.8	0.2							1.4	6.9
E	0.3	0.3	+							0.7	5.5
SE	1.4	2.8	2.9	0.8	0.3					8.2	9.7
S	2.5	8.8	12.1	1.3						24.6	10.0
SW	4.3	11.4	7.2	3.3						26.3	9.2
W	4.1	8.1	3.7	0.8						16.6	7.8
NW	2.7	2.7	1.3	+						6.8	6.5
TOTAL	16.1	36.4	31.6	6.7	0.3					91.0	8.3
CALH										9.0	



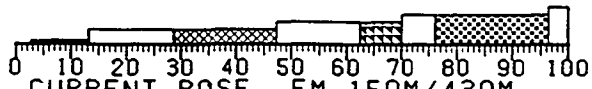
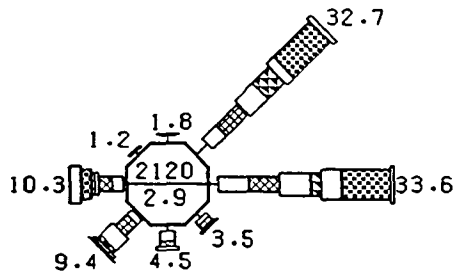
CURRENT ROSE, ET 10M/430M
89/02/15 (2000) - 89/04/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	0.2	0.4	1.3	1.2	+	0.1	0.3				3.7	16.1
NE	1.2	3.9	5.3	5.0	5.0	4.0	3.4	0.9	0.4		29.2	20.4
E	1.8	3.3	5.0	4.5	10.0	6.5	7.9	4.6	1.9		45.6	25.6
SE	1.4	1.3	1.8	1.6	3.3	2.0	3.0	0.9	0.3		15.6	22.9
S	0.2	0.2	0.4	0.4	0.4	0.5	0.6	0.5			3.2	24.9
SW	+	0.3	0.3	0.2	0.2		0.1	0.4			1.7	22.3
W	0.3	0.2	+	+	+		+				0.8	13.0
NW	0.2	+	+								0.4	5.6
TOTAL	5.3	9.9	14.2	12.9	19.1	13.1	15.5	7.4	2.7	100.0		23.1
CALM												



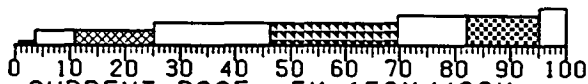
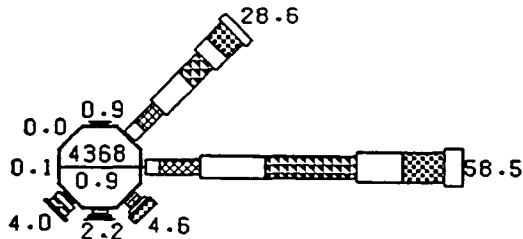
CURRENT ROSE, ET 10M/430M
89/04/01 (0000) - 89/06/21 (2000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	0.5	0.9	0.9	0.6	1.0	0.5	0.5	0.3			5.3	18.9
NE	1.6	2.1	3.9	4.3	5.7	3.9	5.4	1.4	0.5		28.7	22.8
E	2.3	4.3	4.3	4.8	7.8	7.6	11.6	4.2	1.8		48.7	25.6
SE	1.3	1.9	1.8	1.5	1.7	1.1	0.9	0.8	0.2		11.3	19.0
S	0.5	0.3	0.3	+	0.1	0.2	0.3		+		1.9	16.0
SW	0.1	+	+	0.1	0.1	0.2	0.1				0.8	19.6
W	0.3	0.1	0.2	0.2	0.3	+	+				1.1	14.7
NW	0.4	0.4	0.2	0.4	0.6	0.2			+		2.1	15.5
TOTAL	7.0	10.1	11.6	12.0	17.3	13.8	18.9	6.8	2.5	100.0		23.2
CALM												



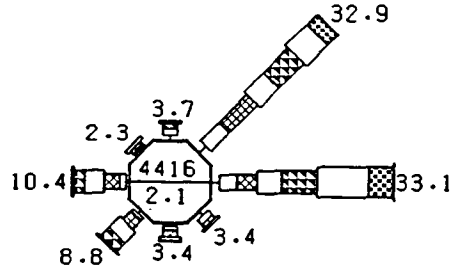
CURRENT ROSE, EM 150M/430M
89/02/15 (2000) - 89/04/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	1.4	0.2	+	+	+					1.8	4.4
NE	2.9	3.5	5.5	4.6	4.3	1.7	9.3	0.9		32.7	21.1
E	1.8	5.6	5.5	5.7	1.9	3.7	8.8	0.7		33.6	20.9
SE	1.1	0.8	1.2	0.3						3.5	6.8
S	1.1	1.7	1.0	0.7						4.5	8.8
SW	0.5	1.2	2.9	3.0	0.9	0.5	0.3	+		9.4	15.8
W	0.6	2.0	2.5	0.8	0.5	0.2	1.7	1.9	+	10.3	22.5
NW	0.8	0.4	+							1.2	4.3
TOTAL	10.2	15.4	18.6	15.1	7.7	6.1	20.2	3.6	+	97.1	18.5
CALM										2.9	



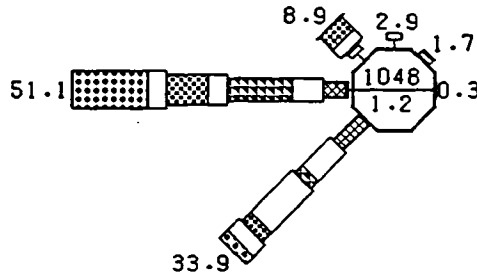
CURRENT ROSE, EM 150M/430M
89/04/01 (0000) - 89/07/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	0.3	0.3	0.3	+						0.9	8.3
NE	0.5	2.6	4.7	7.2	4.9	3.1	3.9	1.6		28.6	21.3
E	0.9	2.6	7.5	11.7	16.5	8.4	7.6	3.3		58.5	22.9
SE	0.4	0.6	1.1	0.6	0.1	0.2	1.5			4.6	19.2
S	0.3	0.7	0.3	0.5	0.4	0.1				2.2	13.4
SW	0.3	0.5	0.3	1.0	1.4	0.5				4.0	17.9
W	+		+	+						0.1	9.4
NW	+									+	1.4
TOTAL	2.7	7.3	14.3	21.1	23.4	12.4	13.1	4.9		99.1	21.5
CALM										0.9	



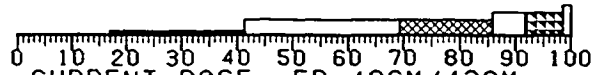
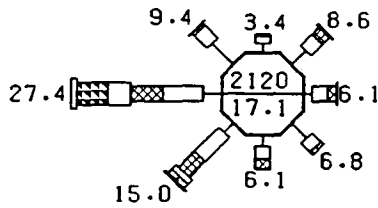
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, EM 150M/430M
 89/07/01 (0000) - 89/10/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	6-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	1.0	1.2	1.0	0.5						3.7	8.4
NE	1.8	4.8	7.1	5.0	6.2	5.4	2.6			32.9	18.0
E	1.6	3.1	3.7	4.5	6.4	9.2	4.4	0.2		33.1	21.4
SE	1.0	1.1	0.8	0.5						3.4	8.9
S	0.6	0.7	1.1	0.7	0.3					3.4	11.3
SW	0.8	0.6	2.1	2.7	2.2	0.3				8.8	16.0
W	0.7	1.2	2.8	3.4	2.0	0.4				10.4	15.8
NW	0.5	0.4	0.6	0.6						2.3	10.9
TOTAL	8.1	12.9	19.2	17.9	17.2	15.4	7.0	0.2		97.9	17.3
CALM										2.1	



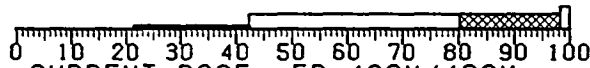
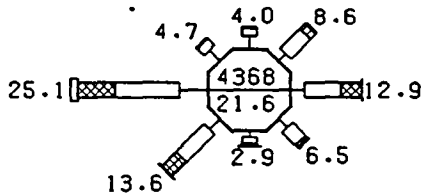
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, EM 150M/430M
 89/10/01 (0000) - 89/10/22 (2000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	6-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	1.7	1.1								2.9	4.3
NE	0.4	0.9	0.5							1.7	7.8
E		0.2								0.3	5.0
SE											
S											
SW		0.4	6.4	7.2	1.9	10.7	2.4	3.0	2.0	33.9	26.0
W	0.9	0.4	4.1	5.5	11.9	3.5	7.6	3.4	13.7	51.1	33.9
NW	1.9	1.0	0.3		0.2	2.1	3.3			8.9	22.5
TOTAL	5.0	3.9	11.3	12.7	14.0	16.3	13.4	6.5	15.7	98.8	28.4
CALM										1.2	



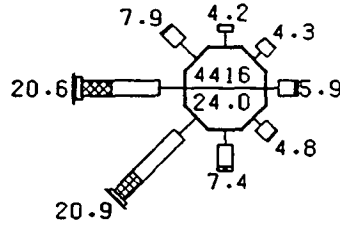
CURRENT ROSE, EB 426M/430M
89/02/15 (2000) - 89/04/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	1.7	1.3	0.4								3.4	5.3
NE	3.7	2.8	1.8	0.3							8.6	6.8
E	1.5	2.8	1.6	0.2							6.1	7.9
SE	3.8	2.2	0.8								6.8	5.1
S	2.1	2.2	1.8								6.1	7.2
SW	2.5	6.2	3.9	1.1	1.0	0.4					15.0	10.3
W	3.4	7.2	5.6	4.2	5.7	1.1					27.4	13.4
NW	5.5	3.3	0.6	0.1							9.4	5.0
TOTAL	24.1	28.0	16.6	5.9	6.7	1.5					82.9	7.7
CALC											17.1	



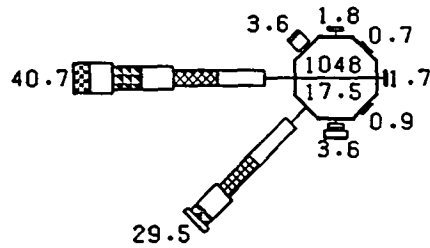
CURRENT ROSE, EB 426M/430M
89/04/01 (0000) - 89/07/01 (0000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5										TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+			
N	2.4	1.4	0.3								4.0	4.8
NE	1.8	5.1	1.7								8.6	7.2
E	2.6	6.5	3.8	+							12.9	7.6
SE	2.3	3.3	0.9								6.5	6.5
S	1.2	1.2	0.5								2.9	6.2
SW	2.7	7.1	3.6	0.3							13.6	8.0
W	5.1	11.7	7.0	1.3	+						25.1	8.5
NW	2.7	1.7	0.3								4.7	4.8
TOTAL	20.7	37.9	18.1	1.7	+						78.4	5.9
CALC											21.6	



0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, EB 426M/430M
 89/07/01 (0000) - 89/10/01 (0000) (GMT)

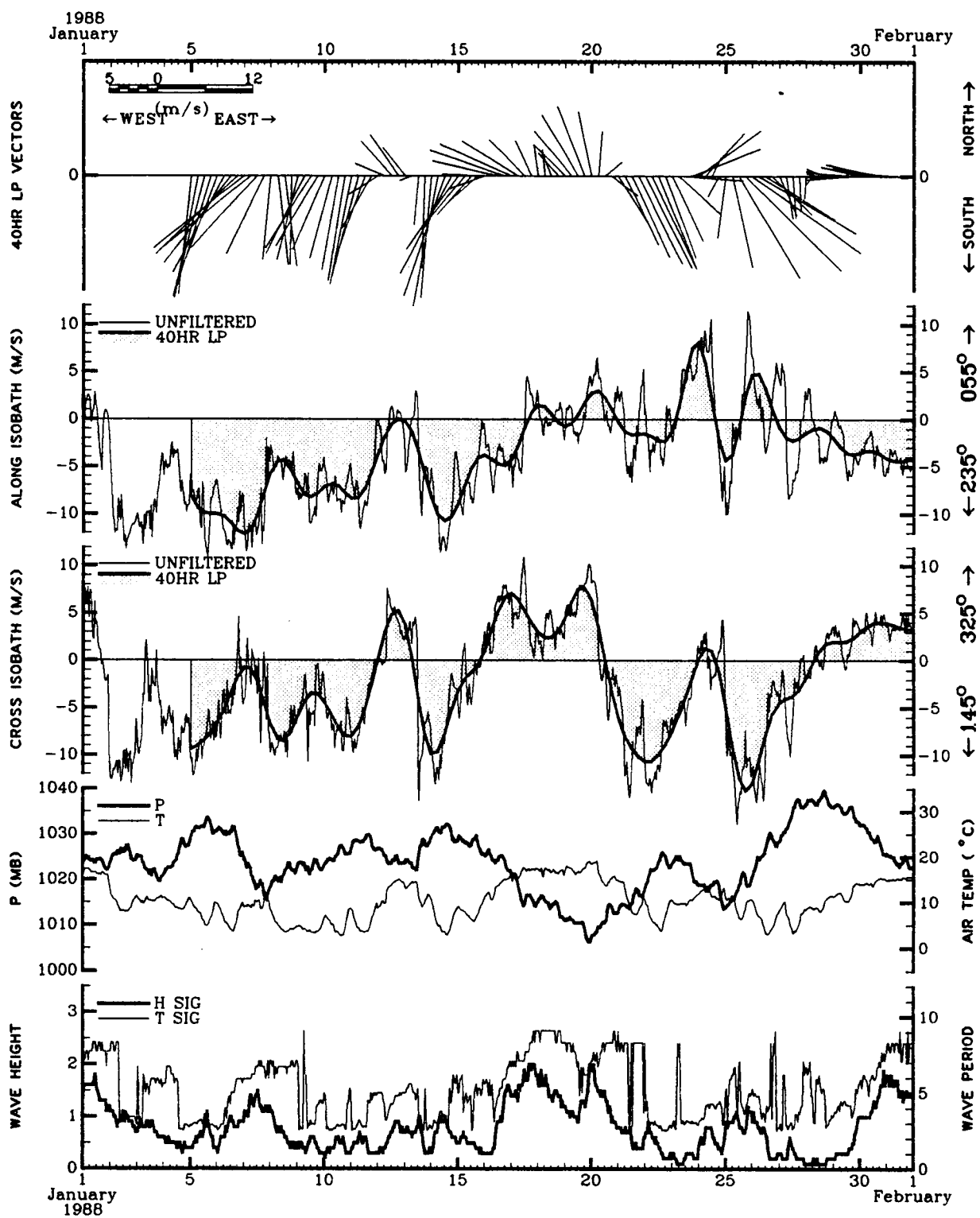
DIR	RANGE (CM/S) E.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	2.9	1.2	+							4.2	4.0
NE	1.9	2.3	+							4.3	5.6
E	2.4	3.1	0.5							5.9	5.7
SE	1.9	2.6	0.2							4.8	5.8
S	2.7	3.9	0.8							7.4	6.1
SW	4.4	10.7	4.9	0.7	+	+				20.9	8.2
W	4.6	8.9	5.4	1.2	0.3	0.2				20.6	8.6
NW	4.2	3.4	0.4							7.9	4.9
TOTAL	25.1	36.0	12.4	1.9	0.4	0.2				76.0	5.3
CALM										24.0	



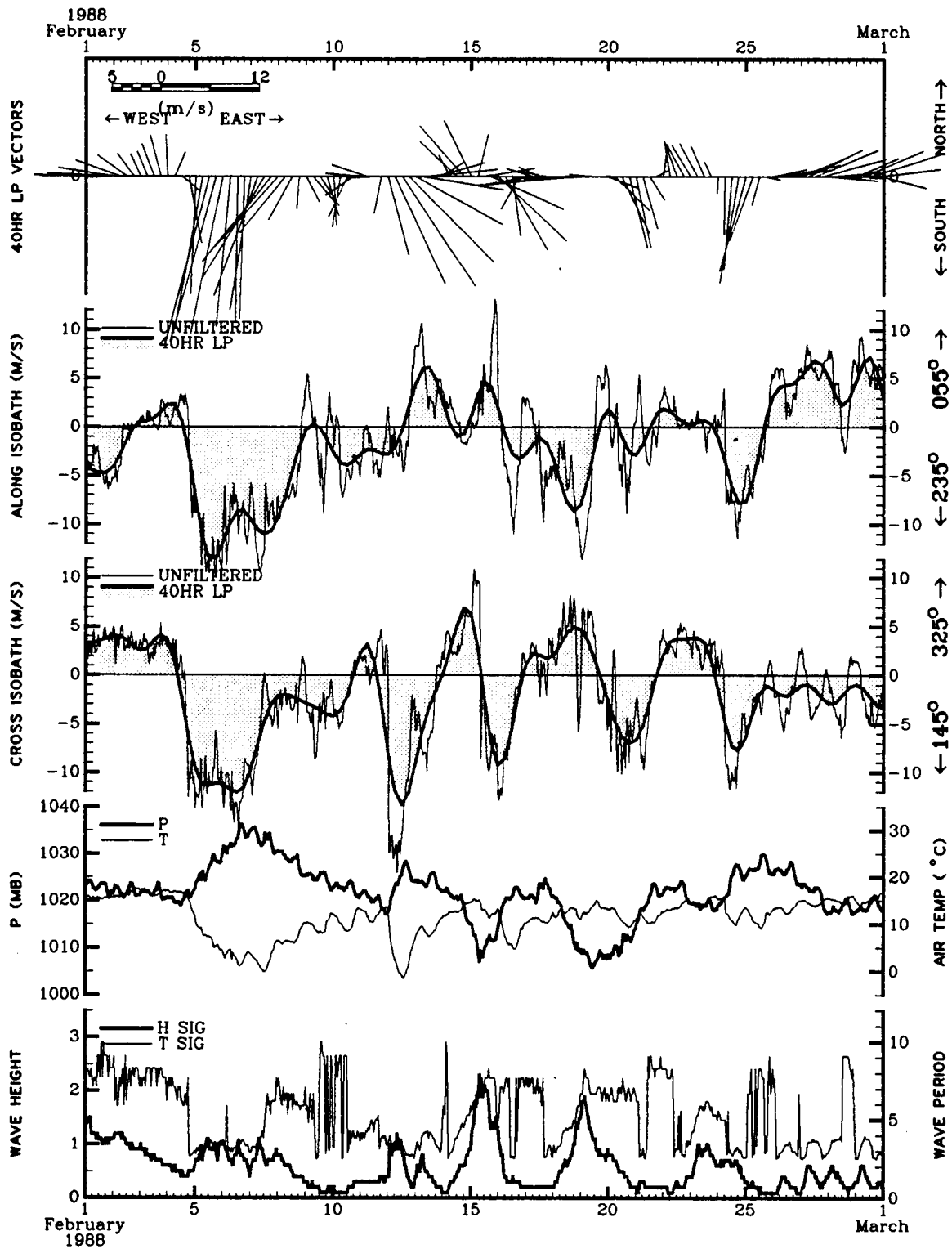
0 10 20 30 40 50 60 70 80 90 100
 CURRENT ROSE, EB 426M/430M
 89/10/01 (0000) - 89/10/22 (2000) (GMT)

DIR	RANGE (CM/S) E.G. 1 < V ≤ 5									TOTAL	AVG SPEED
	1-5	5-10	10-15	15-20	20-25	25-30	30-40	40-50	50+		
N	1.1	0.7								1.8	4.3
NE	0.3	0.3	+							0.7	6.3
E	1.3	0.4								1.7	3.1
SE	0.5	0.4								0.9	4.6
S	0.9	0.8	0.6	1.2	0.2					3.6	11.5
SW	4.2	9.6	7.8	5.1	1.7	1.0	+			29.5	11.5
W	5.7	8.8	8.0	5.7	5.2	4.2	3.1			40.7	15.0
NW	0.8	2.3	0.6							3.6	7.4
TOTAL	14.8	23.2	17.1	12.0	7.2	5.2	3.1			82.5	10.4
CALM										17.5	

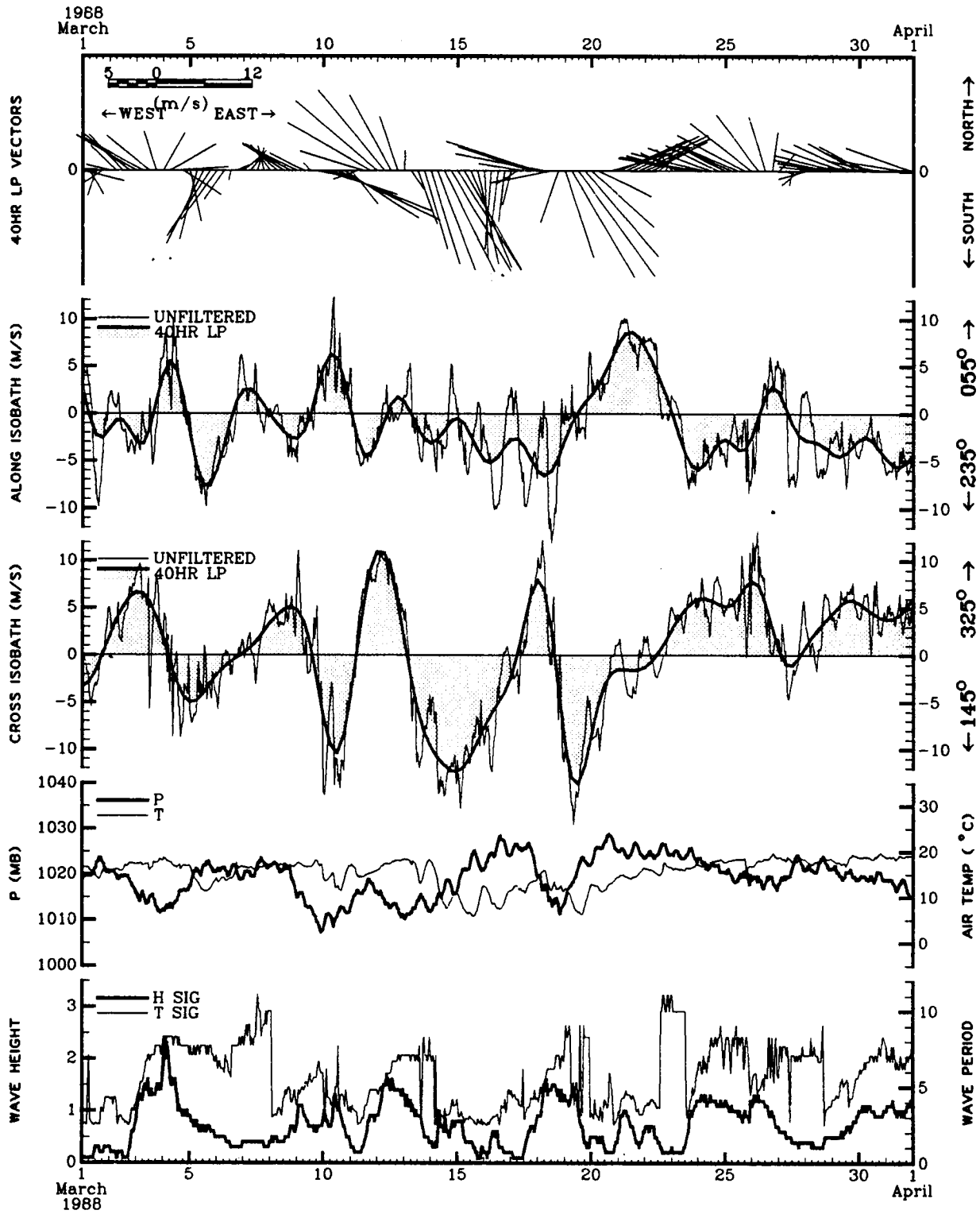
**Monthly Plots of Meteorological and Current
Meter Time Series**



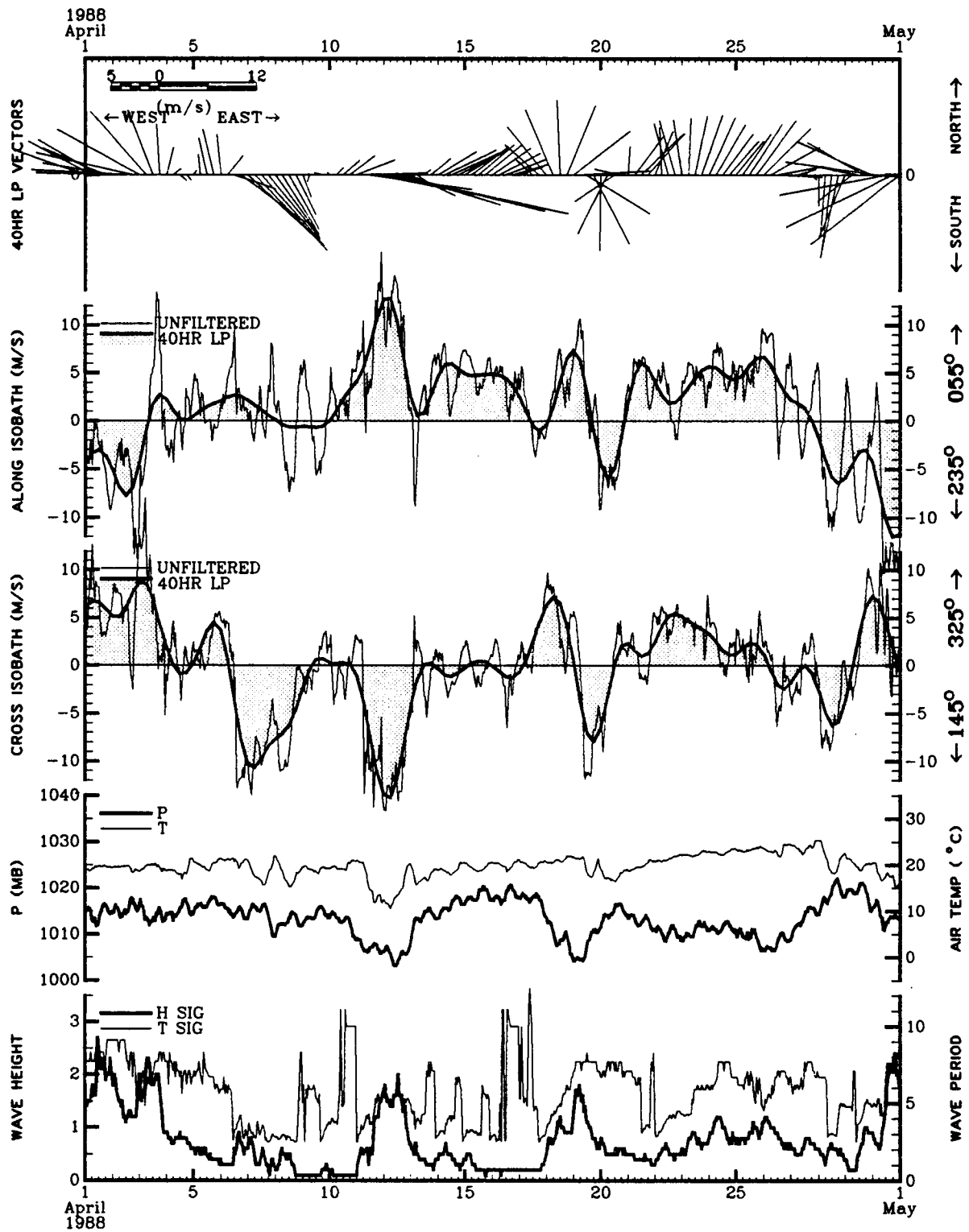
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



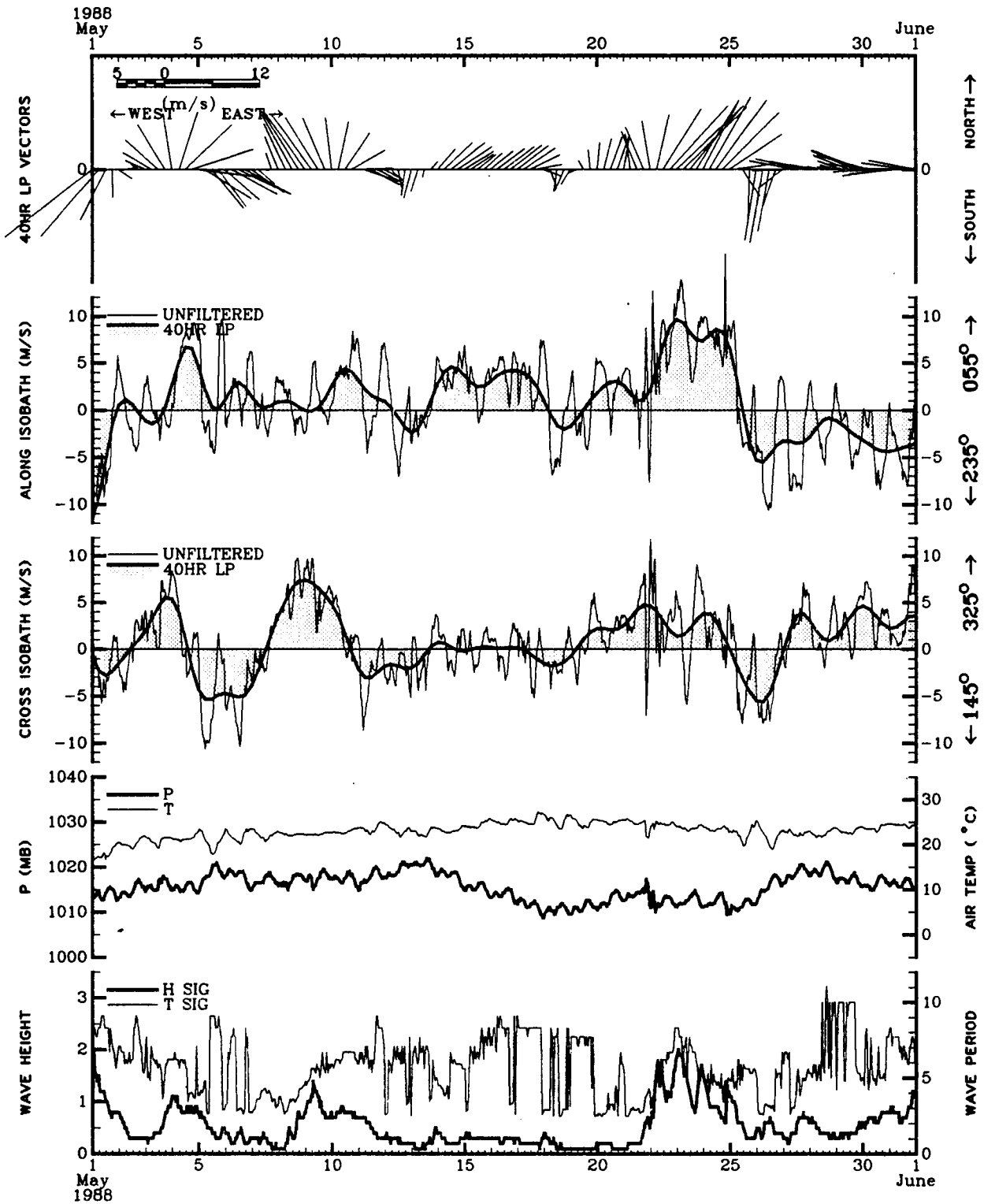
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



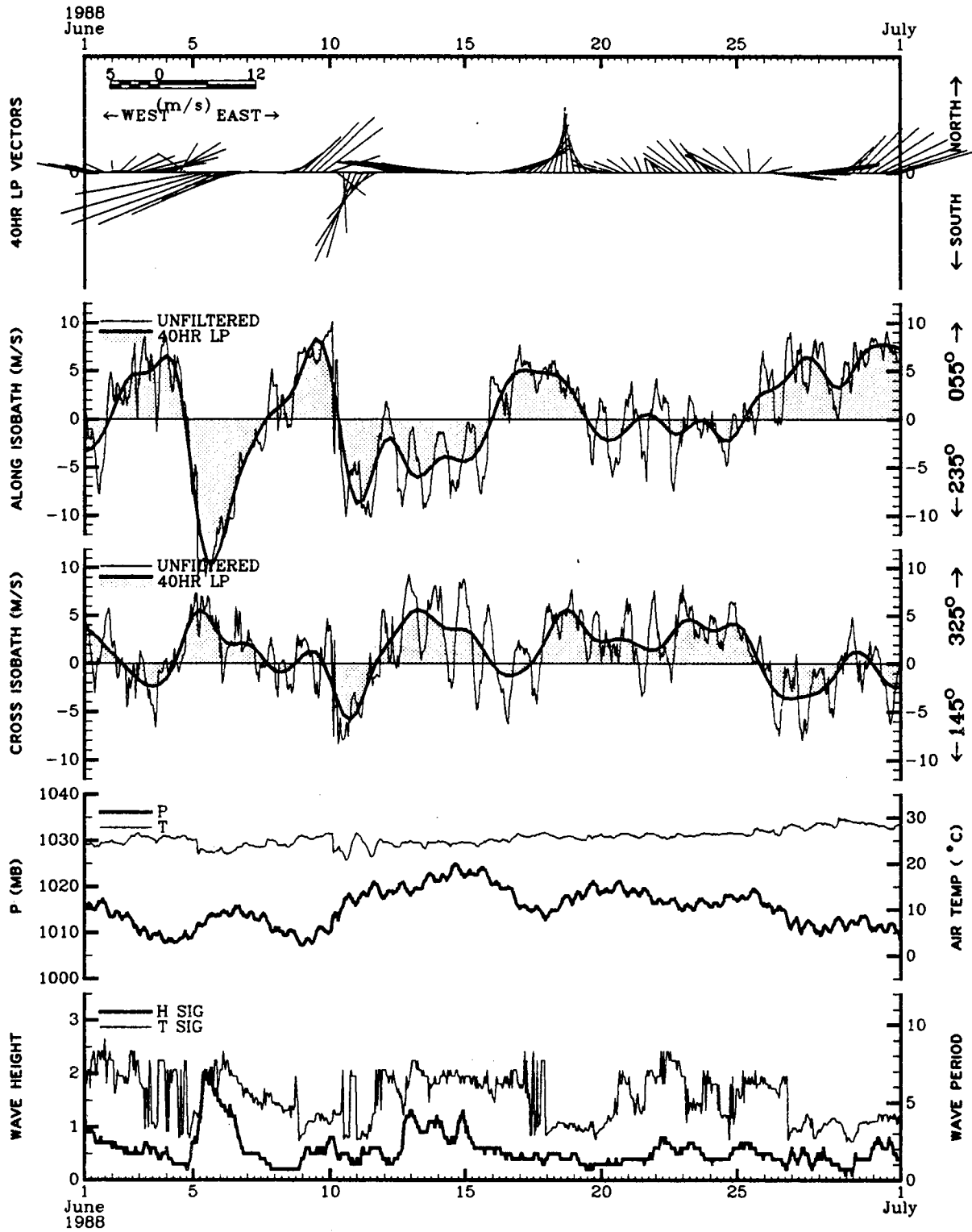
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



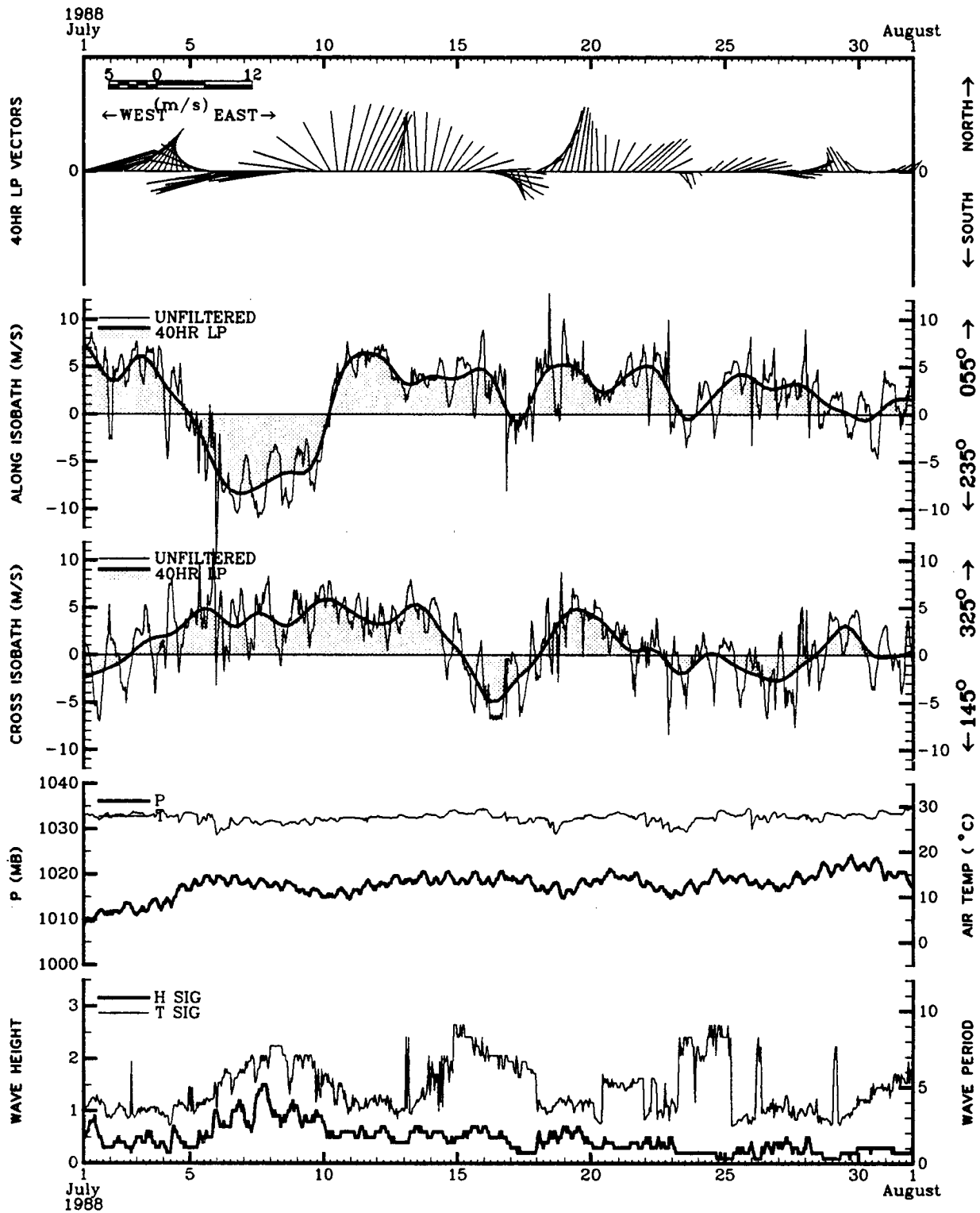
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



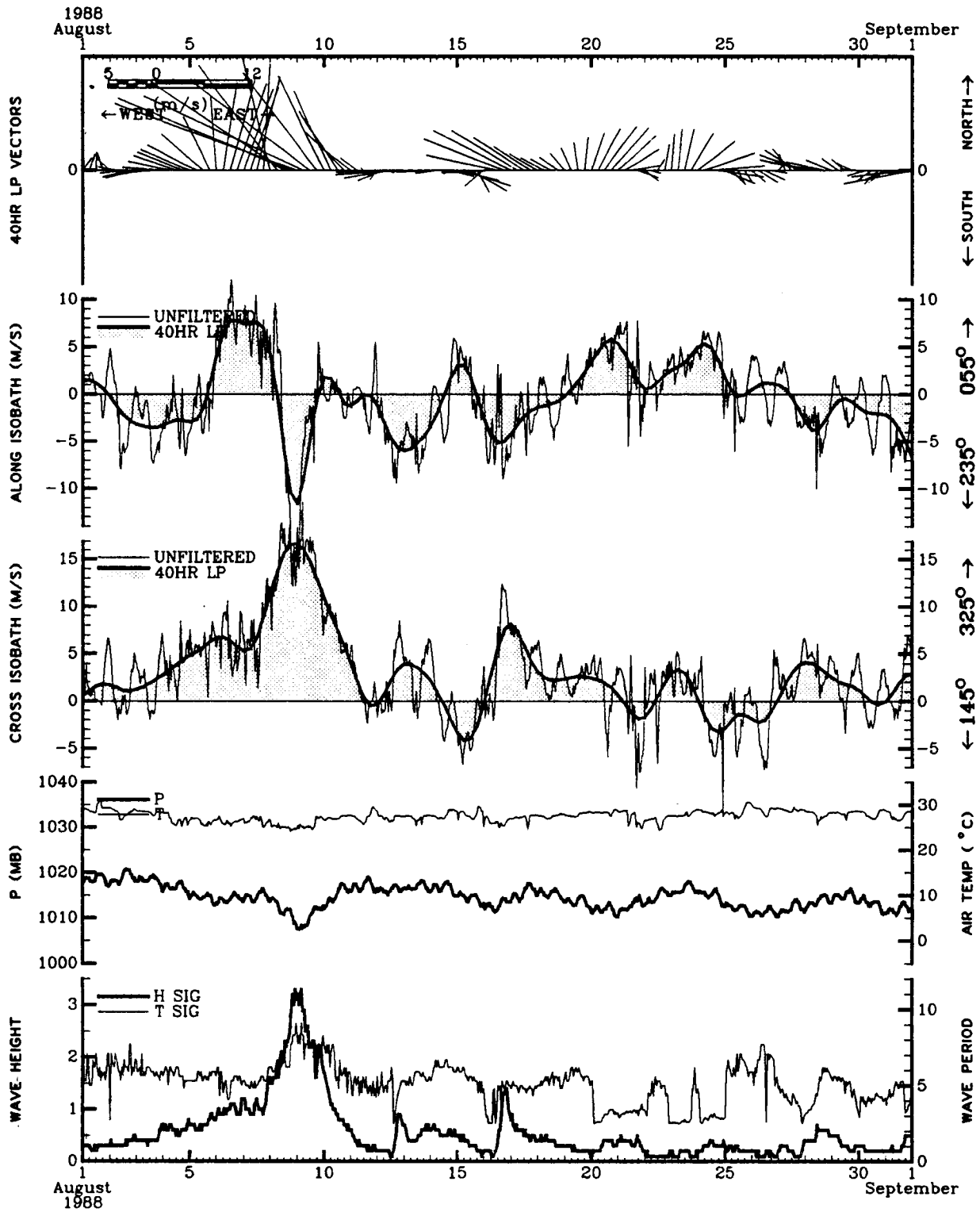
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



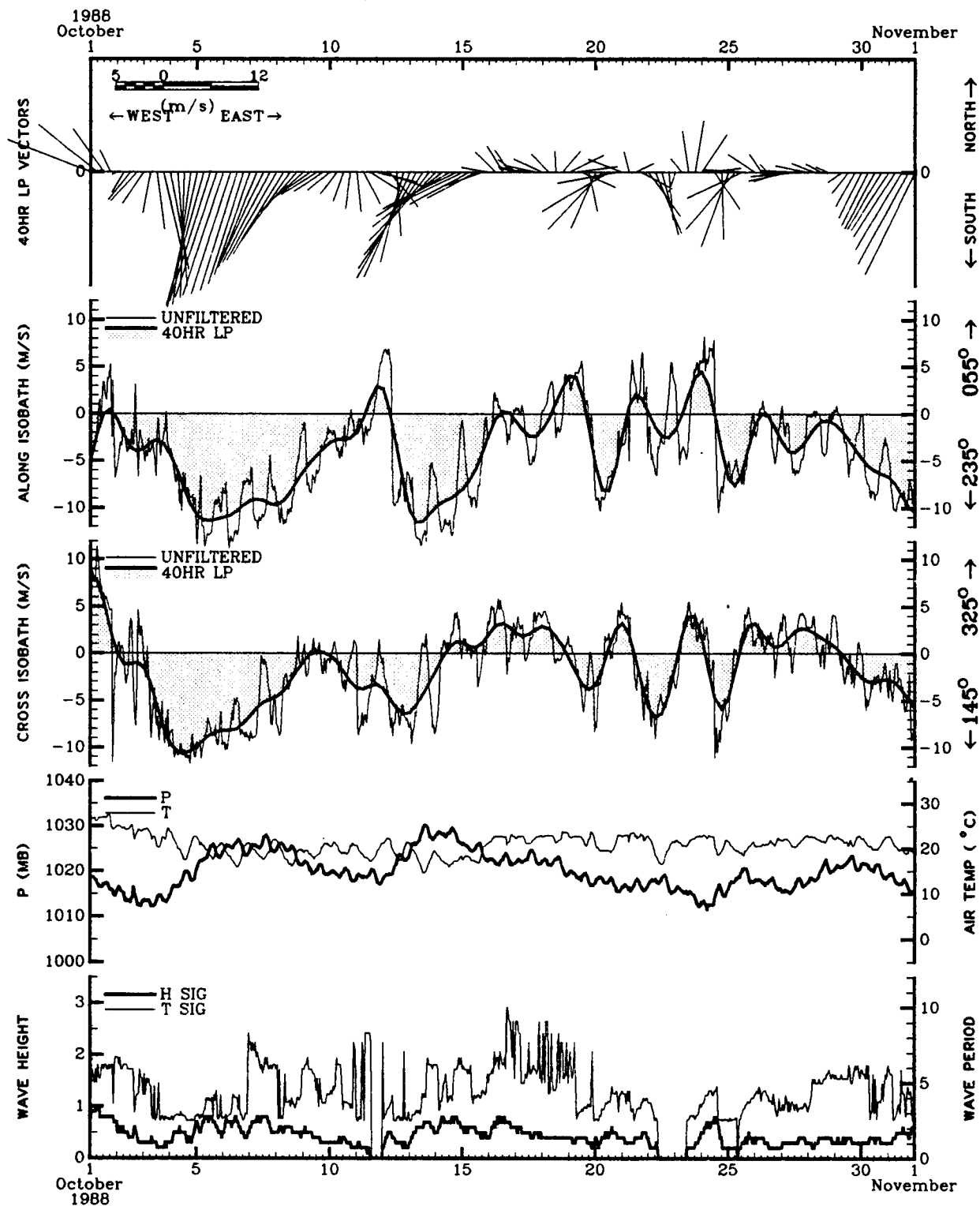
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



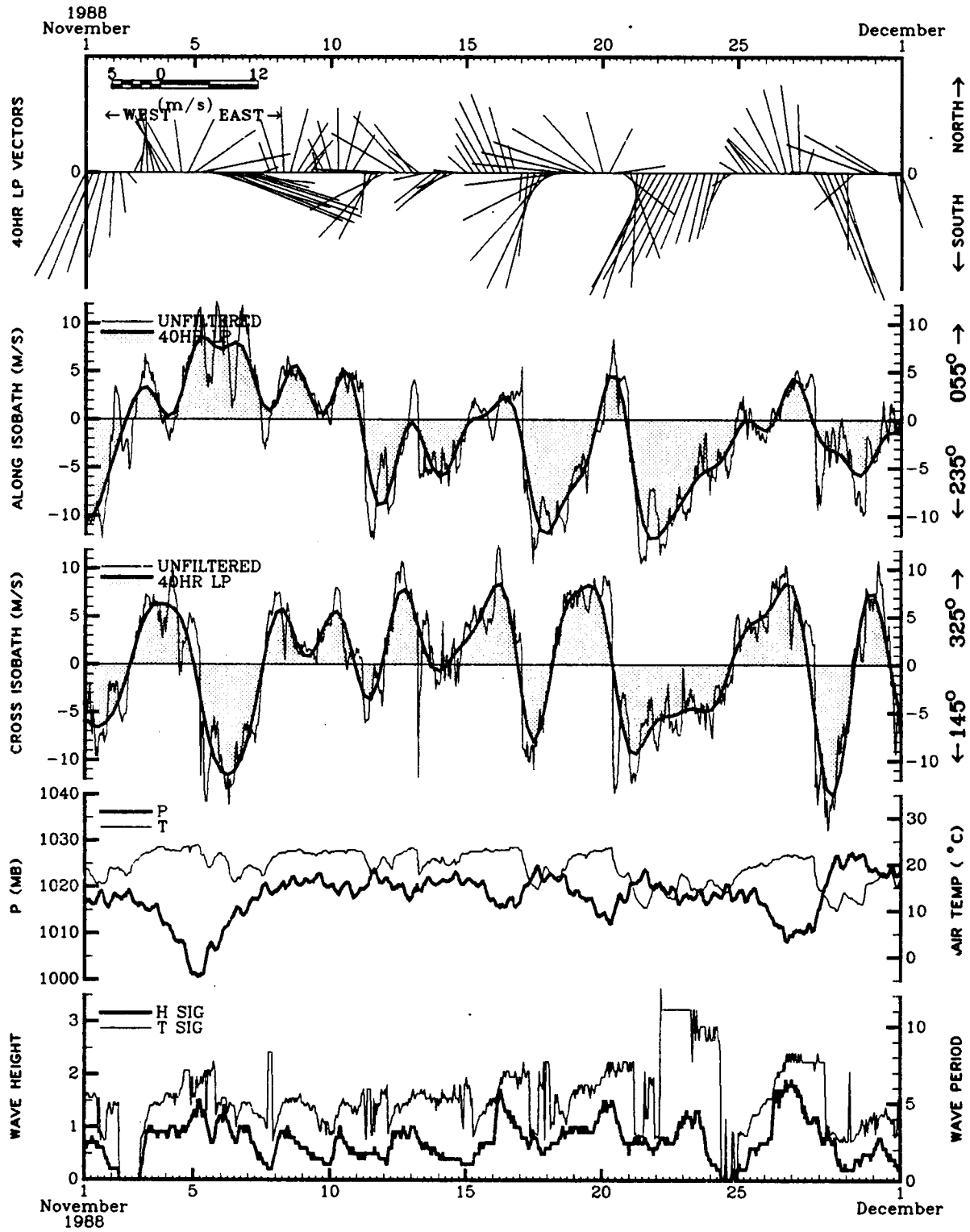
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



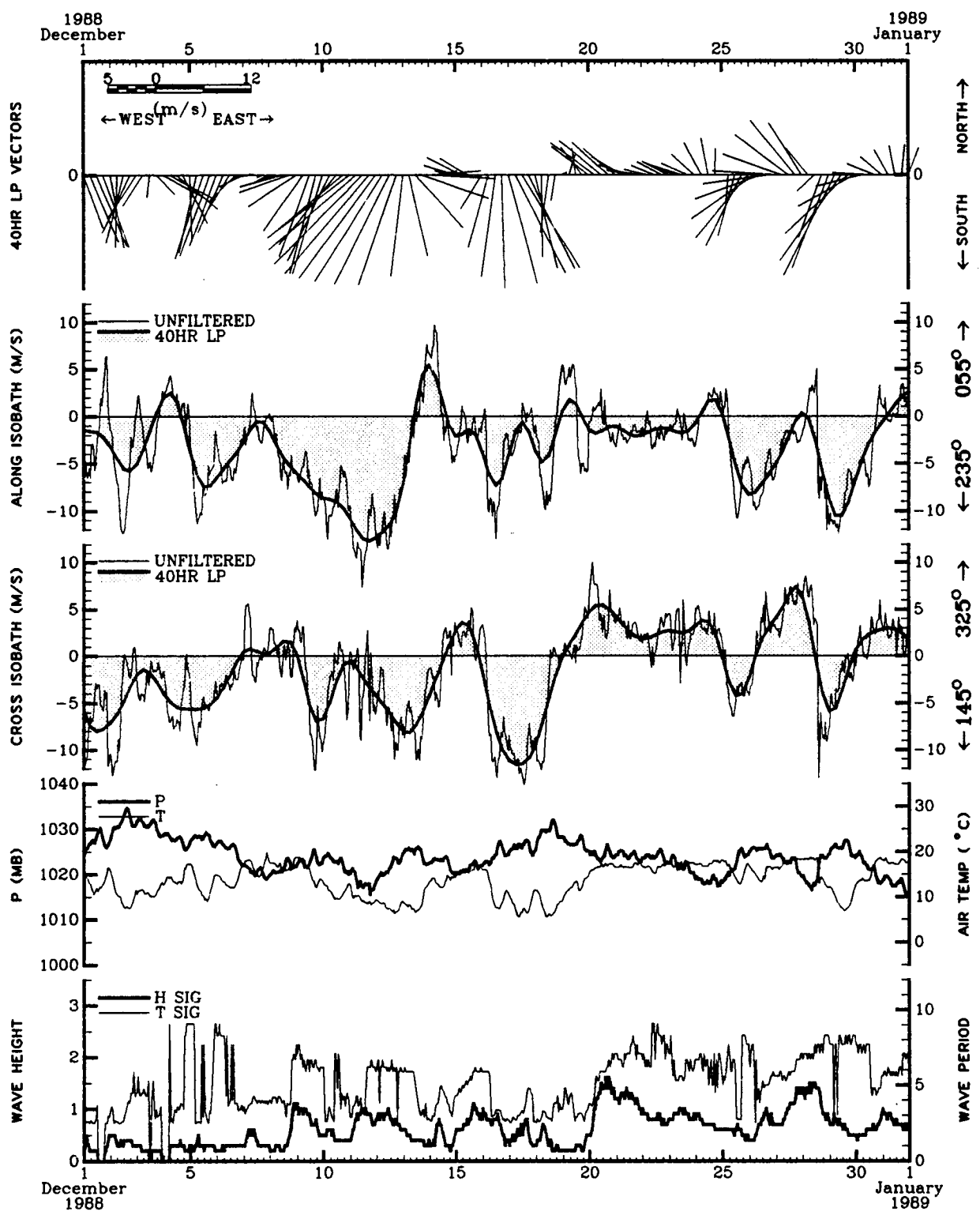
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



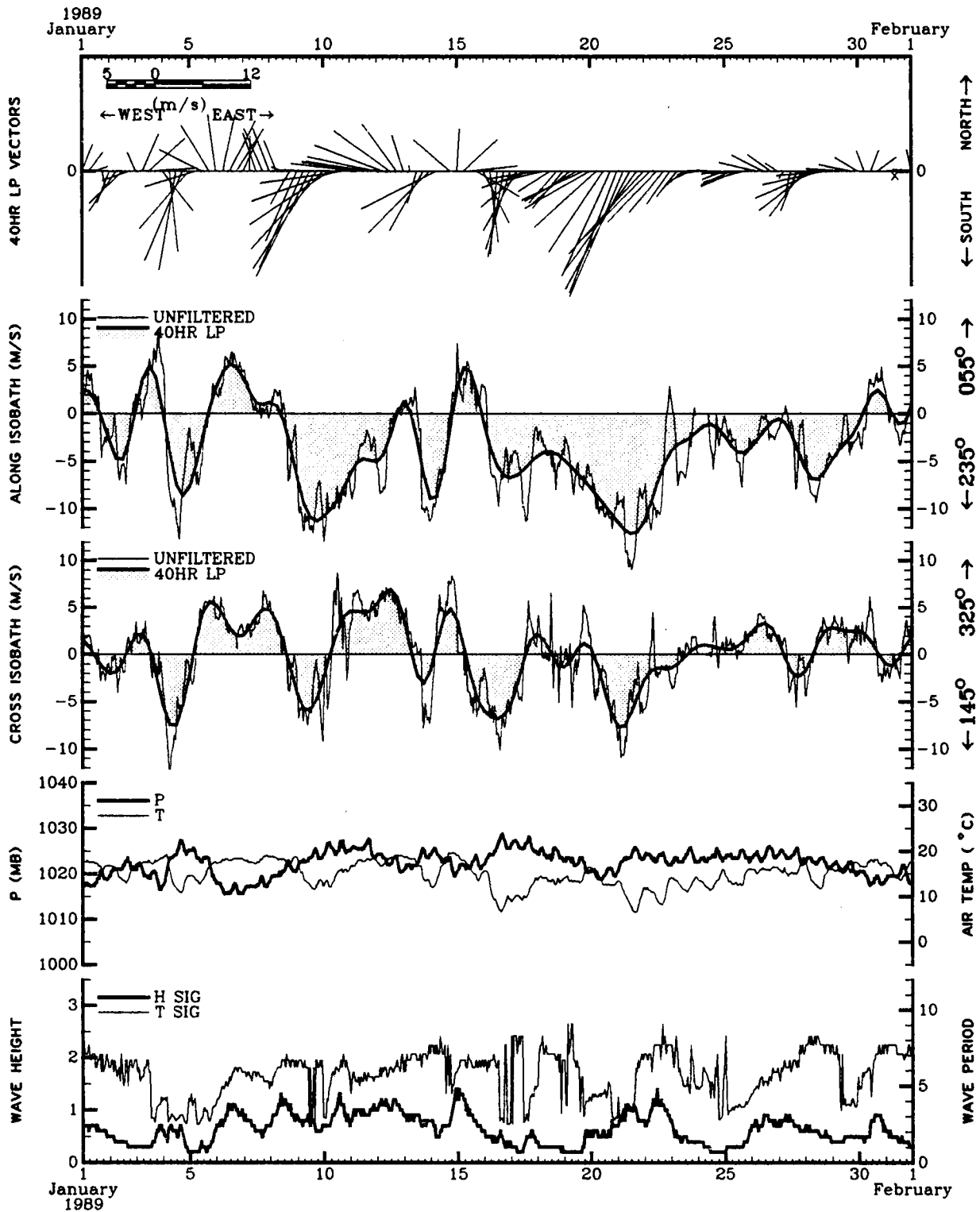
BUOY 42016 GMT & OCEAN DIRECTION CONVENTION



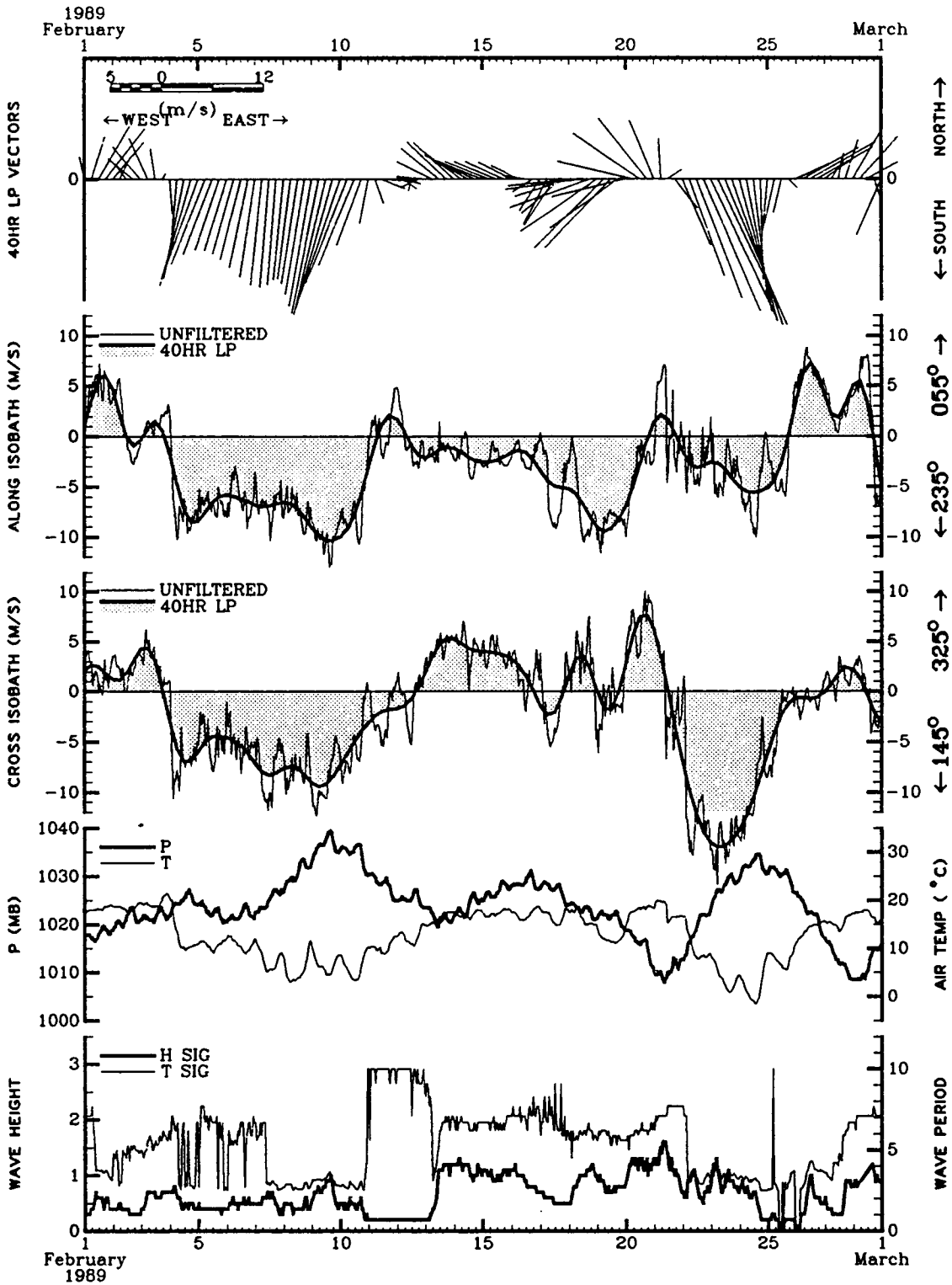
BUOY 42016 GMT & OCEAN DIRECTION CONVENTION



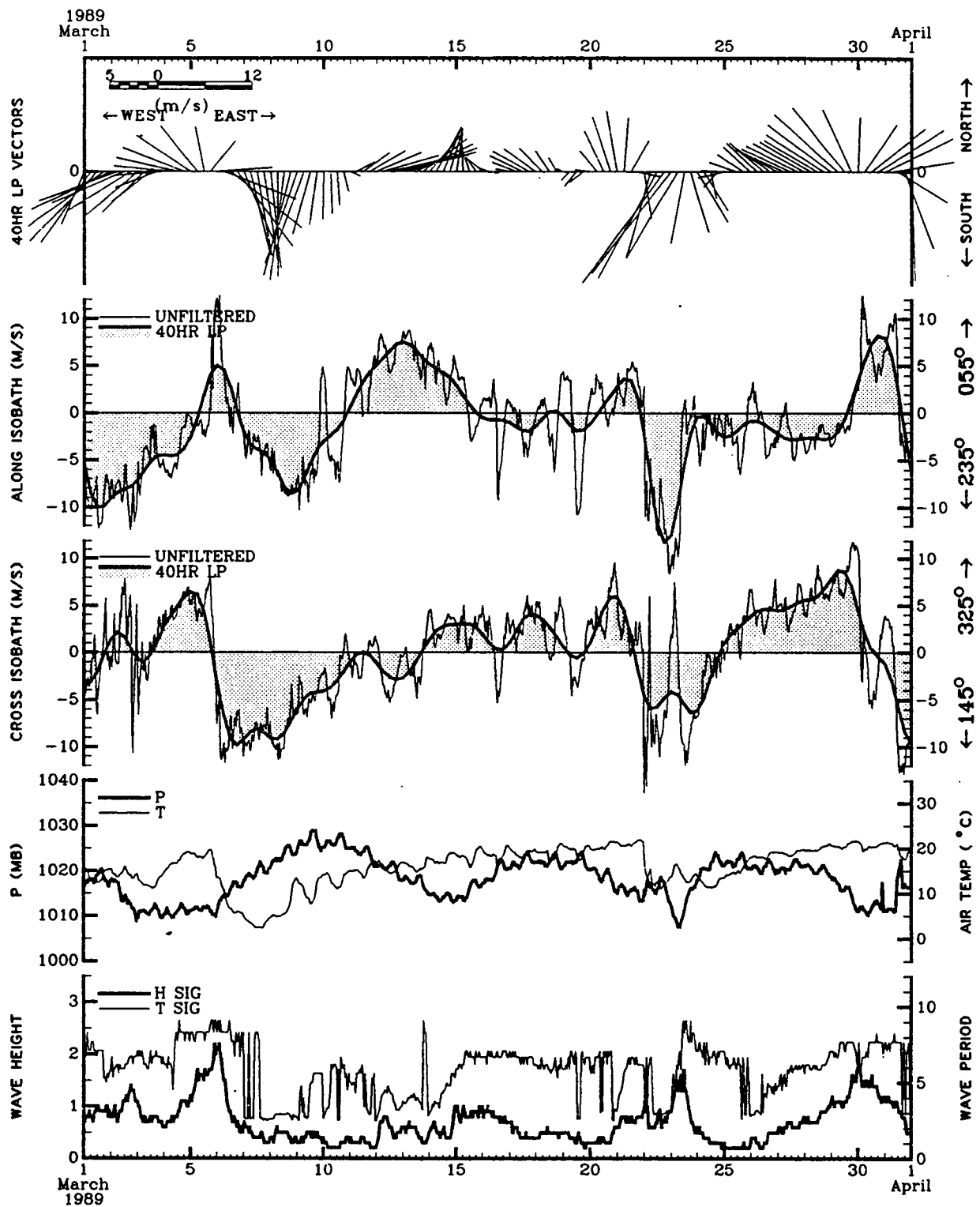
BUOYS 42015, 42016 GMT & OCEAN DIRECTION CONVENTION



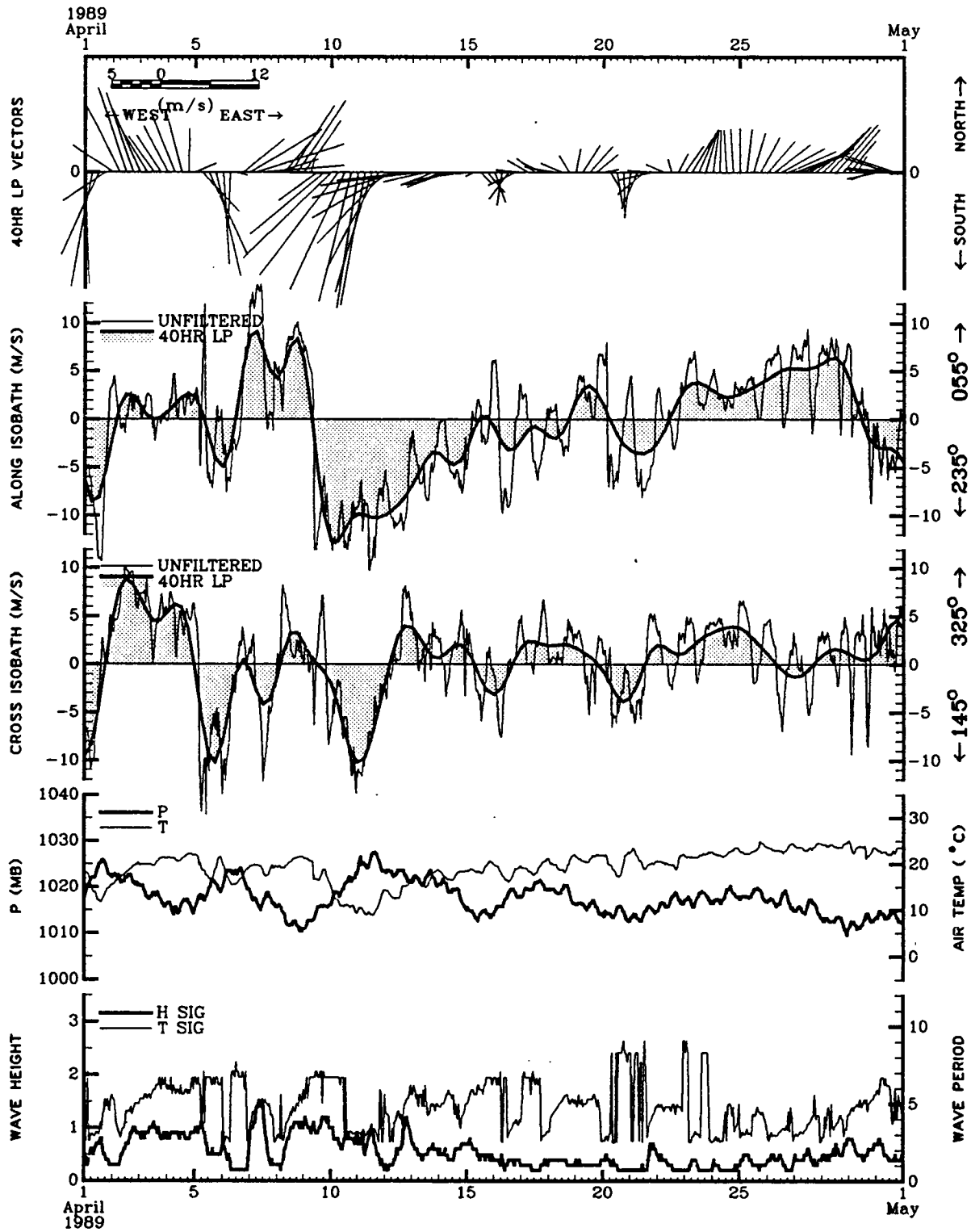
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



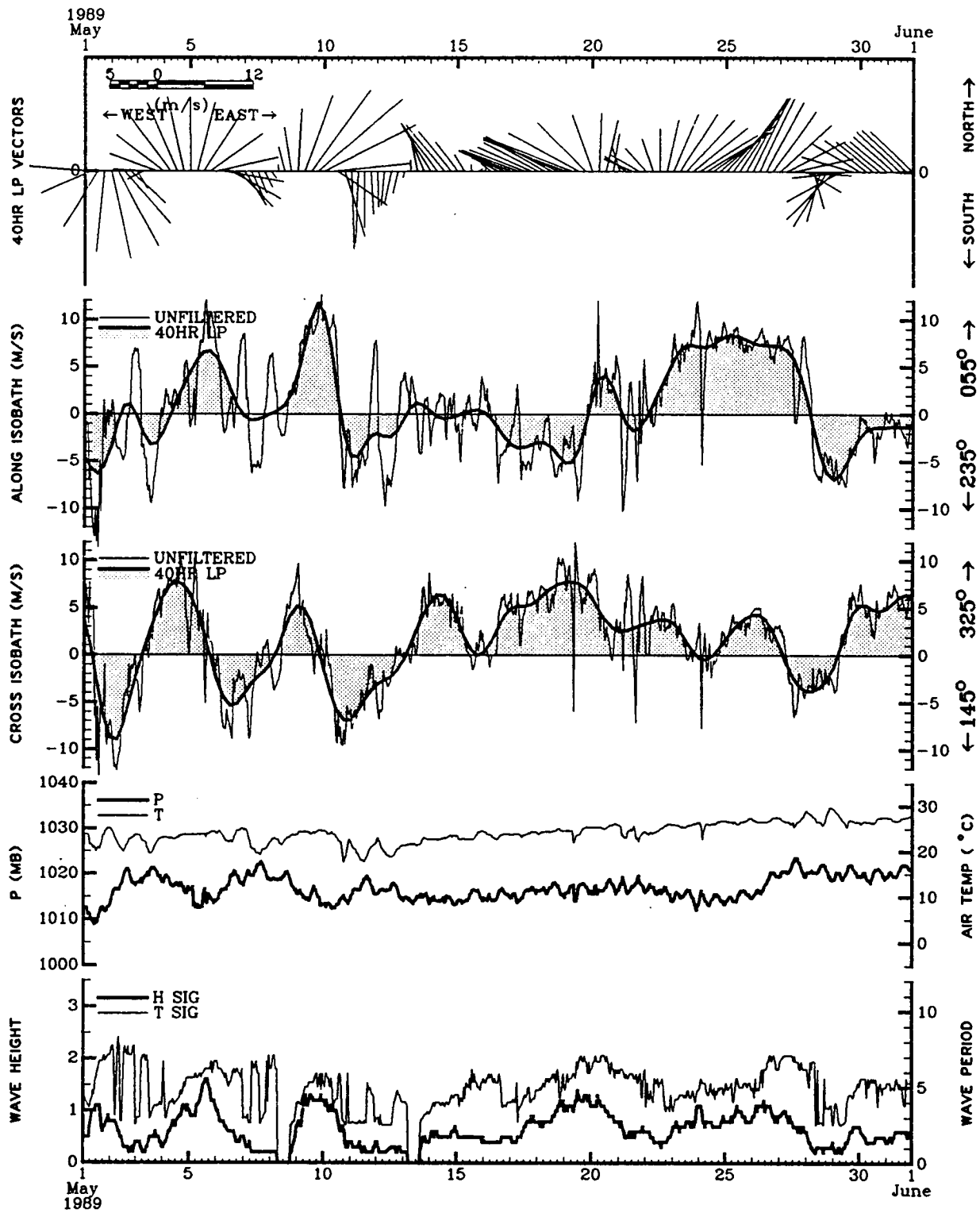
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



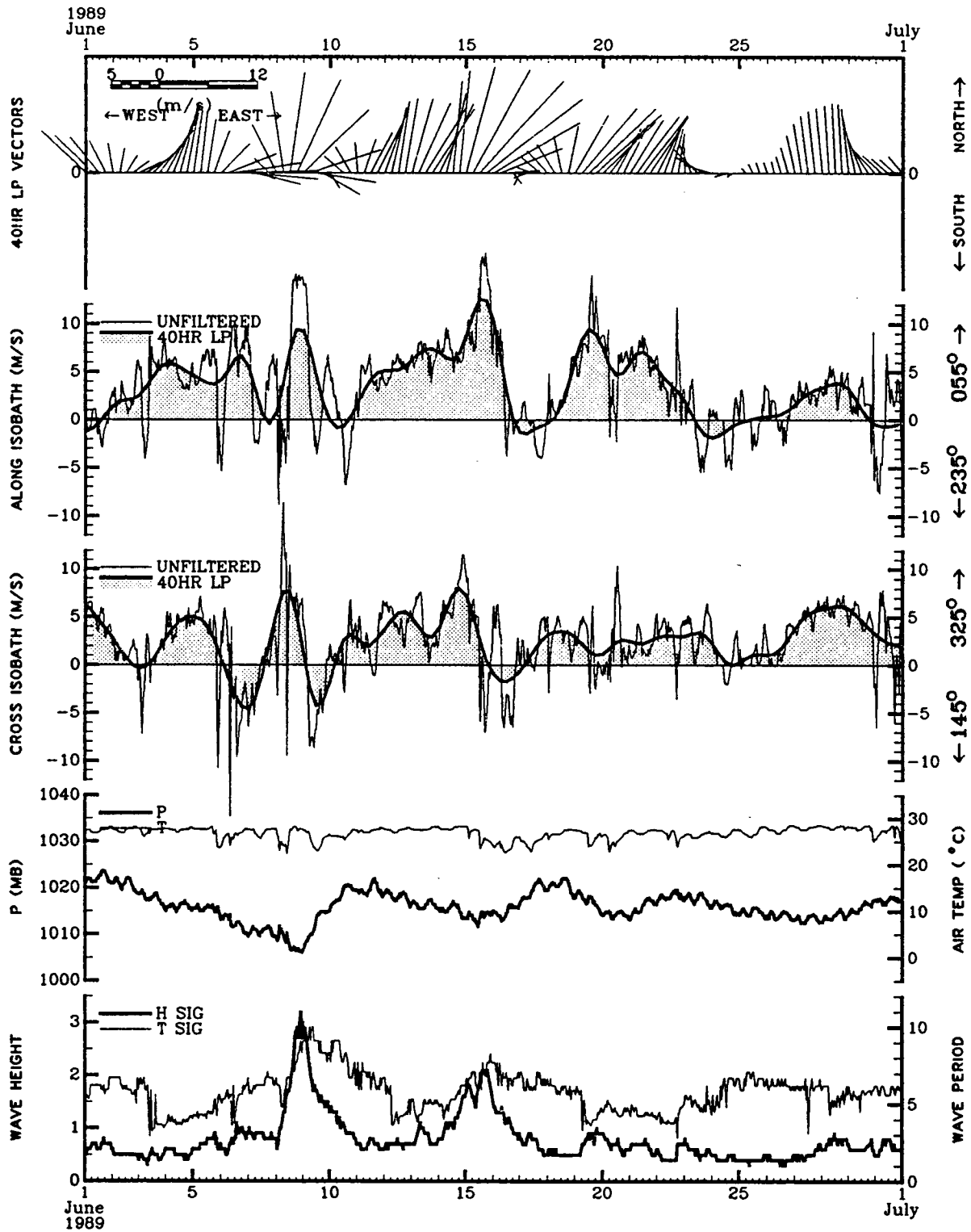
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



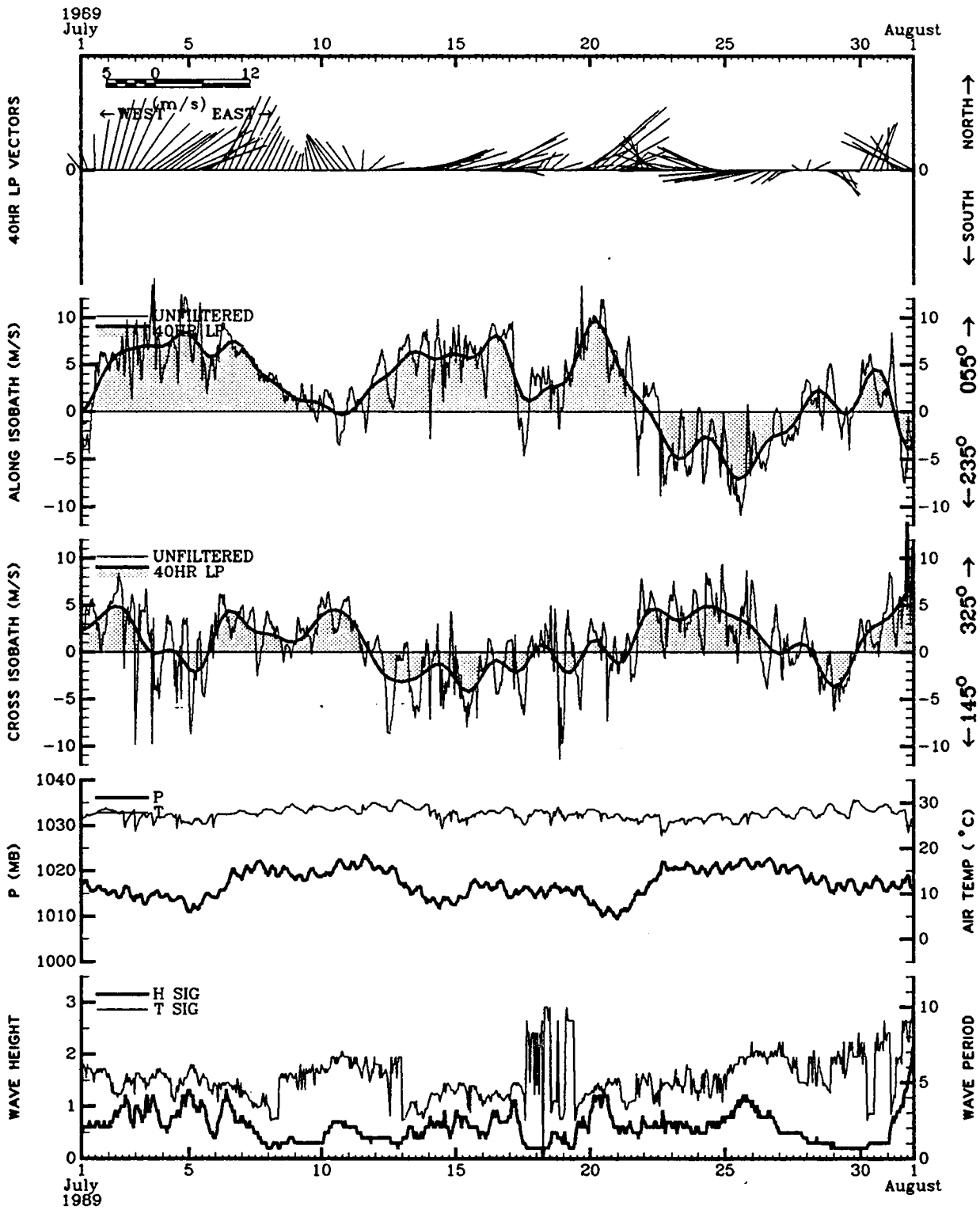
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



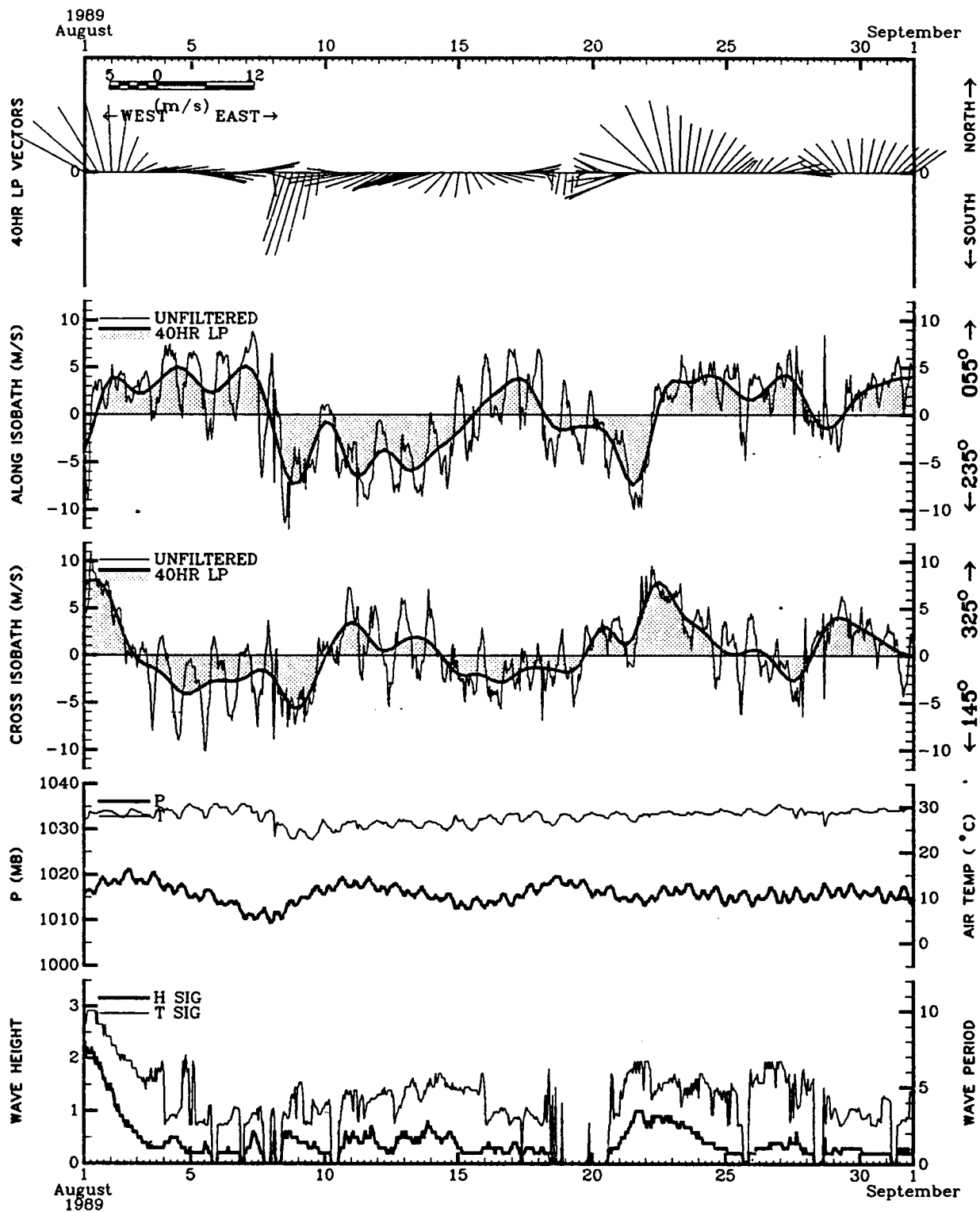
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



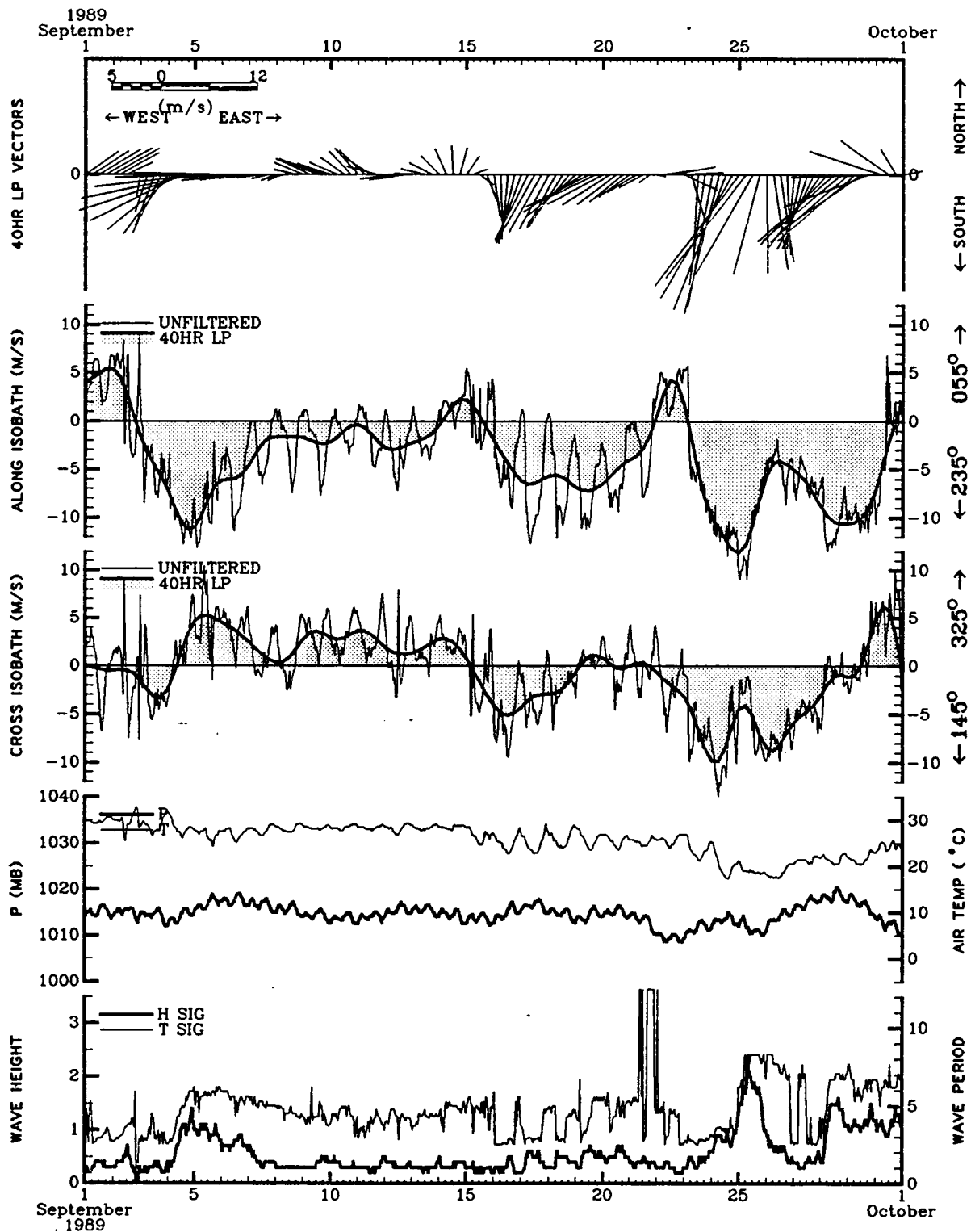
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



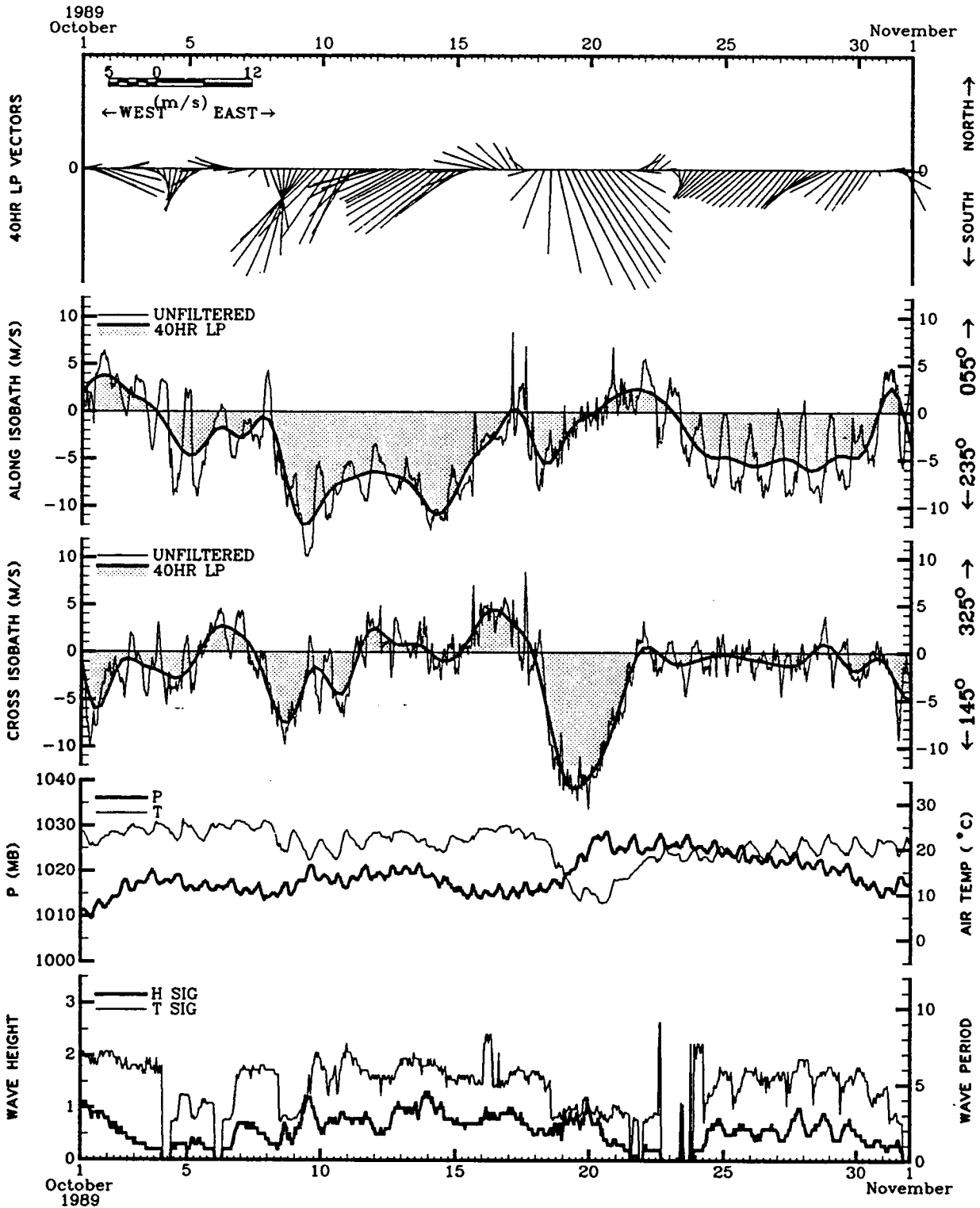
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



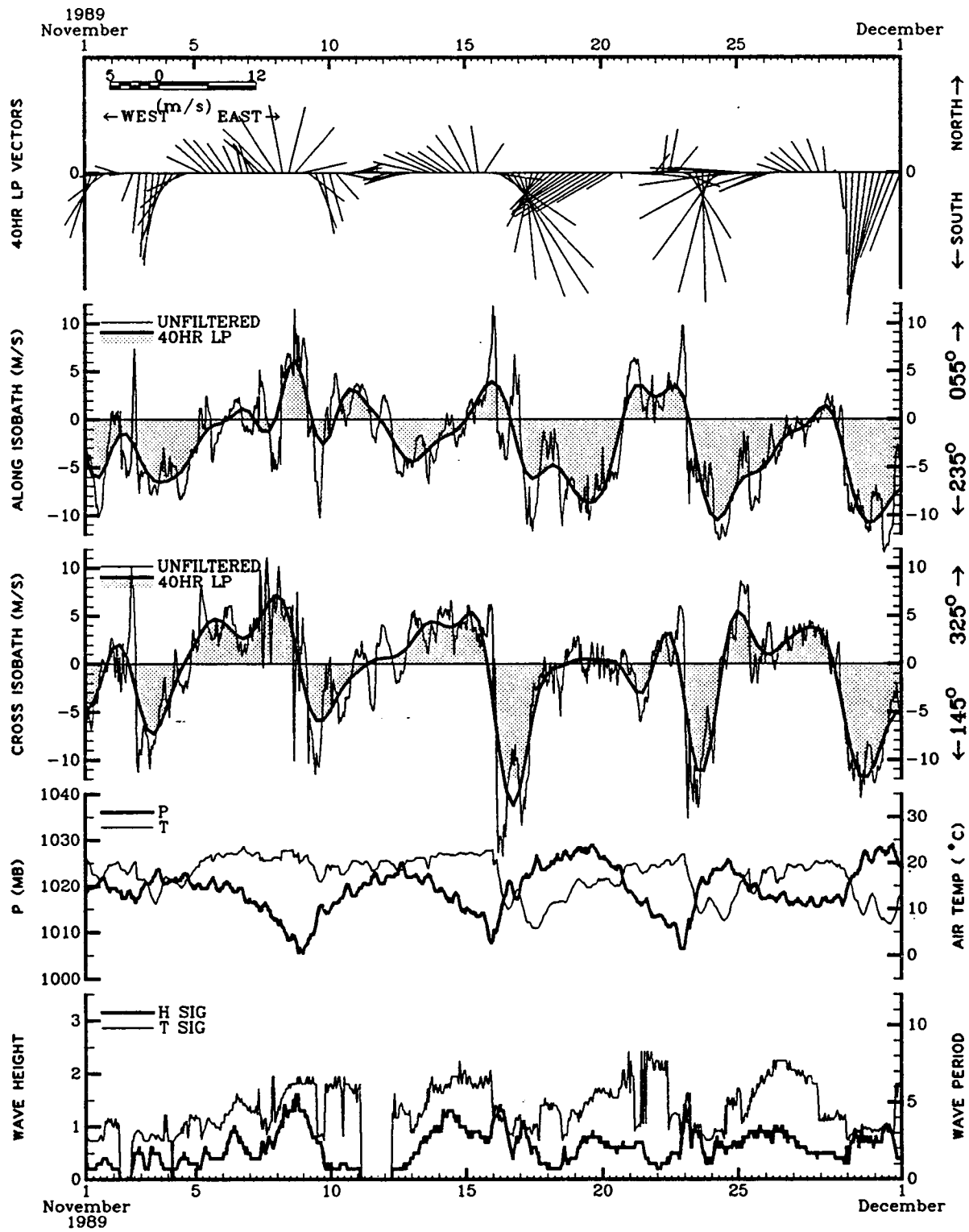
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



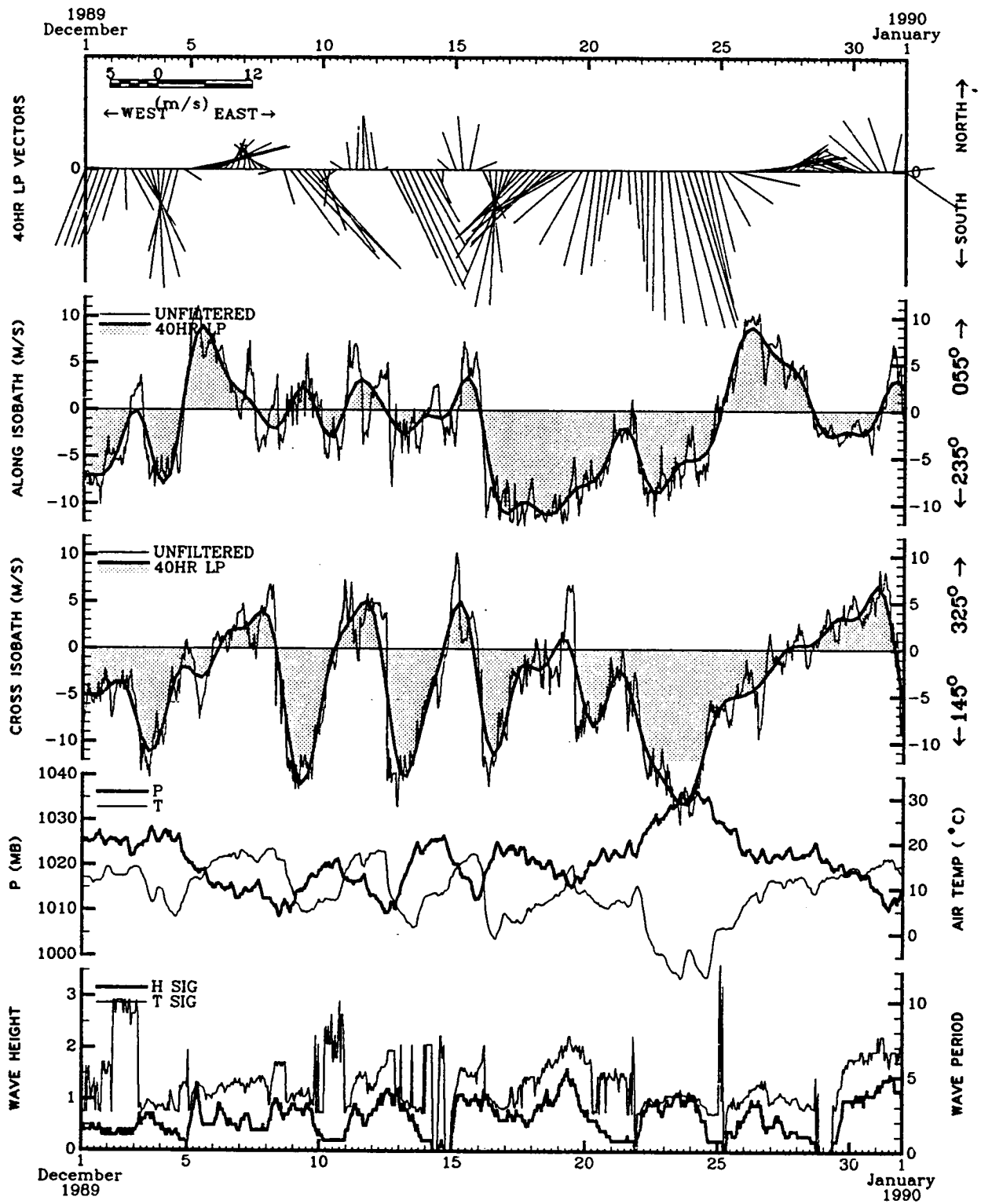
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



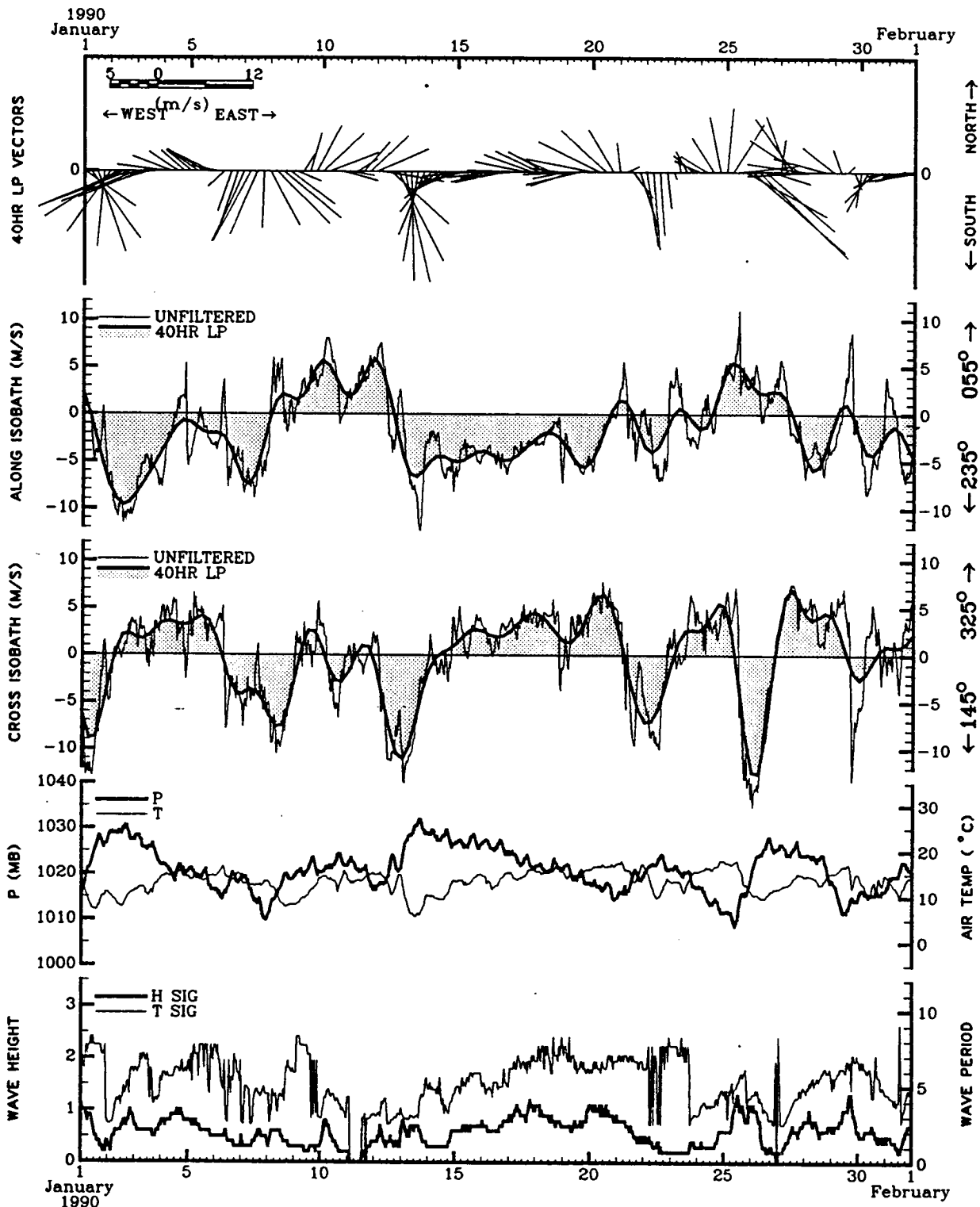
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



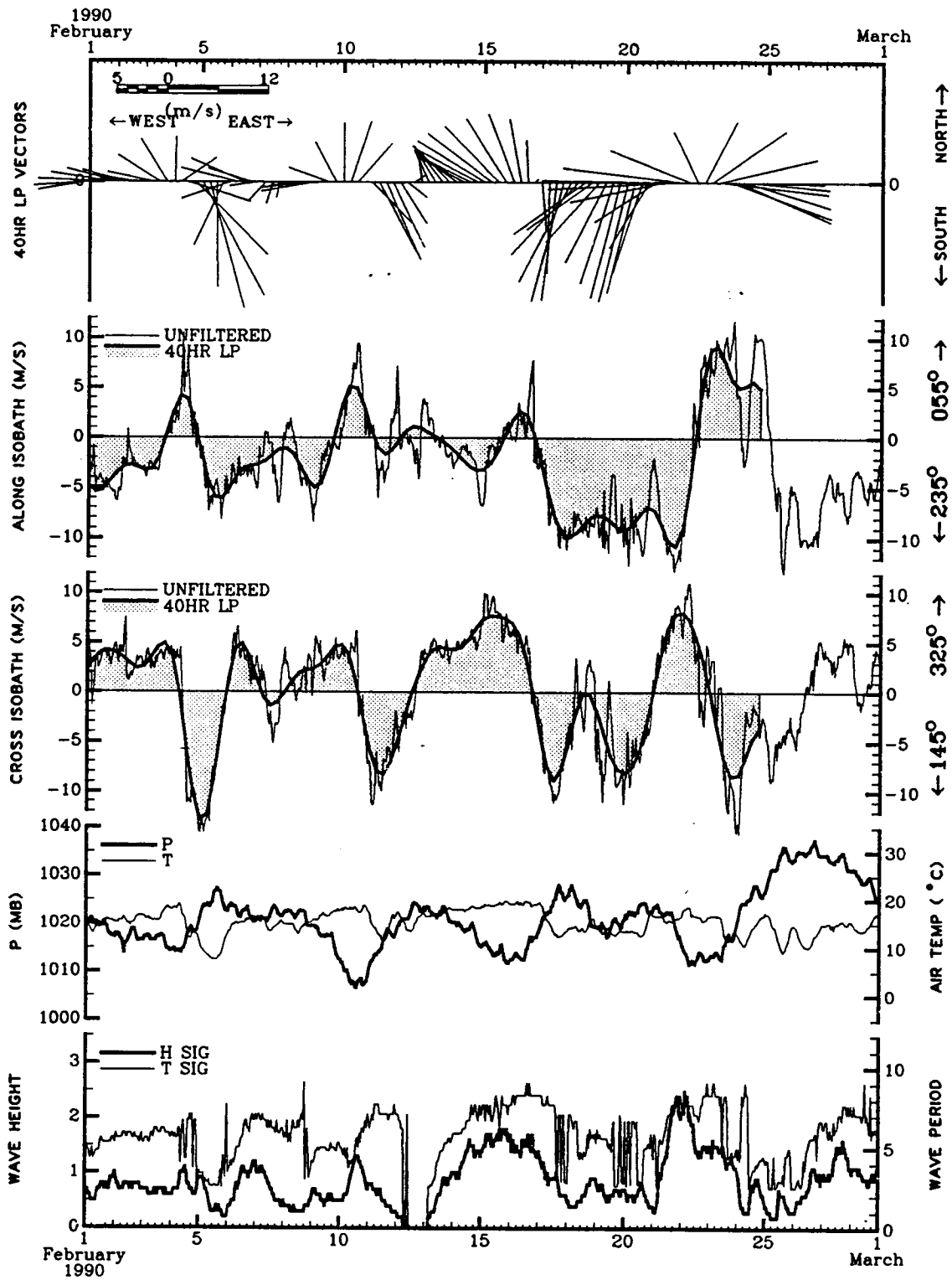
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



BUOY 42015 GMT & OCEAN DIRECTION CONVENTION



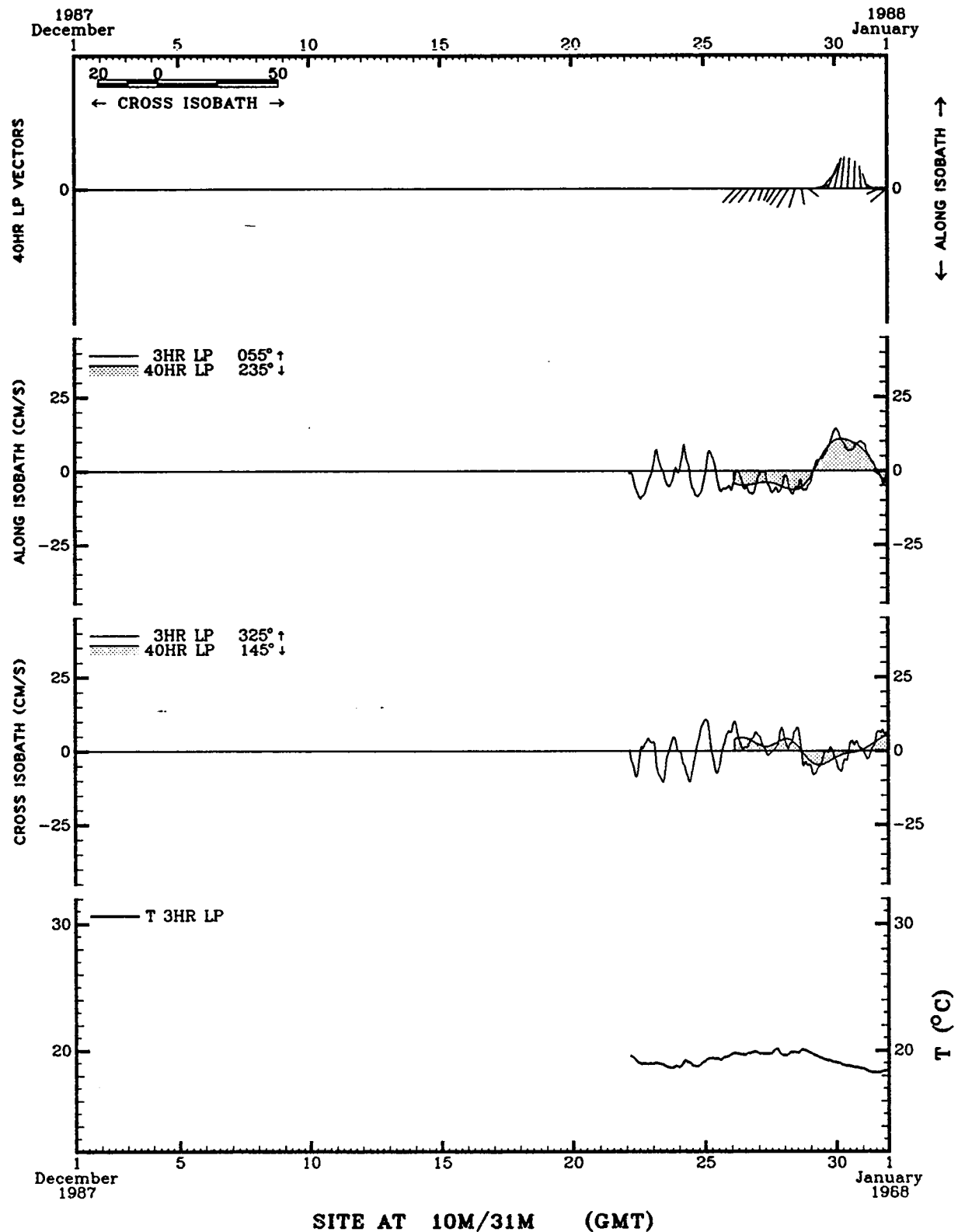
BUOY 42015 GMT & OCEAN DIRECTION CONVENTION

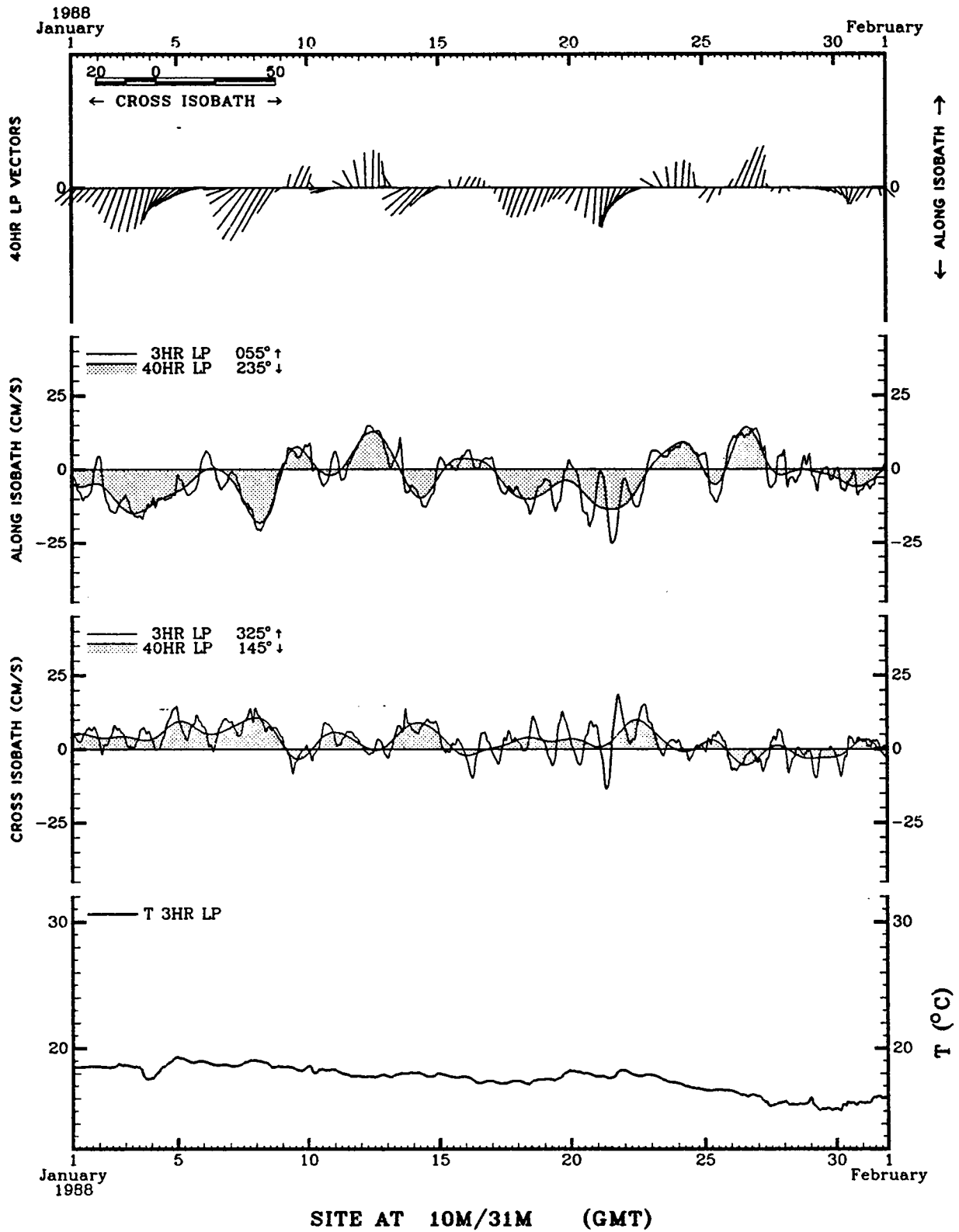
Monthly Plots of Current Velocity, Salinity, and Temperature Time Series

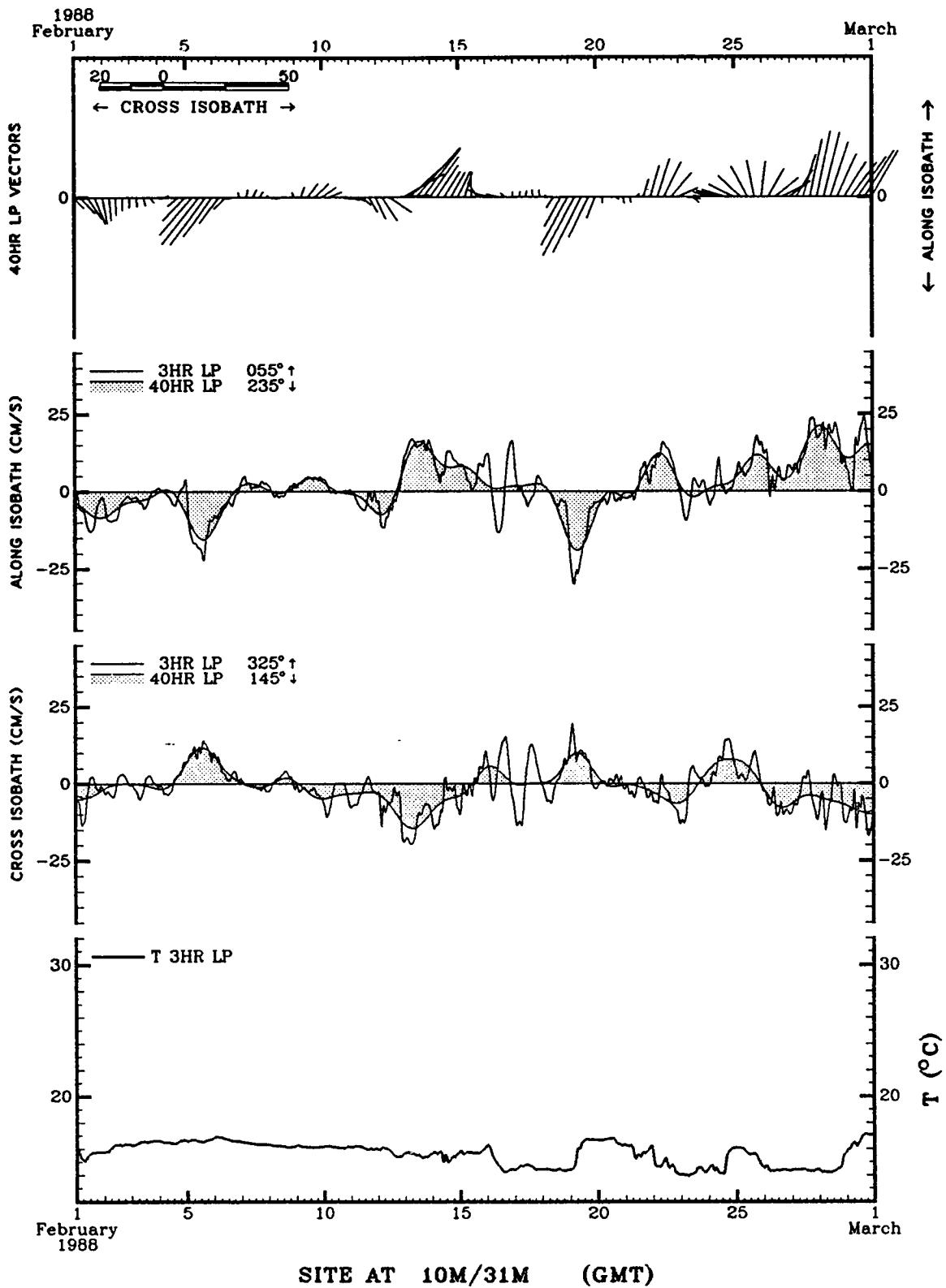
Monthly plots of the time series of current velocity, salinity, and water temperature are constructed for each instrument location. The location of each site can be found in the "CTD Graphs" section. The original time series were filtered with 3-hour and 40-hour low-pass filters. Stick vectors were reconstructed from the 40-hour low-pass filtered orthogonal components at 6-hour intervals (000, 0600, 1200, 1800 GMT). For each stick vector, the x-axis is oriented in the cross-isobath direction and the y-axis is oriented along the isobaths.

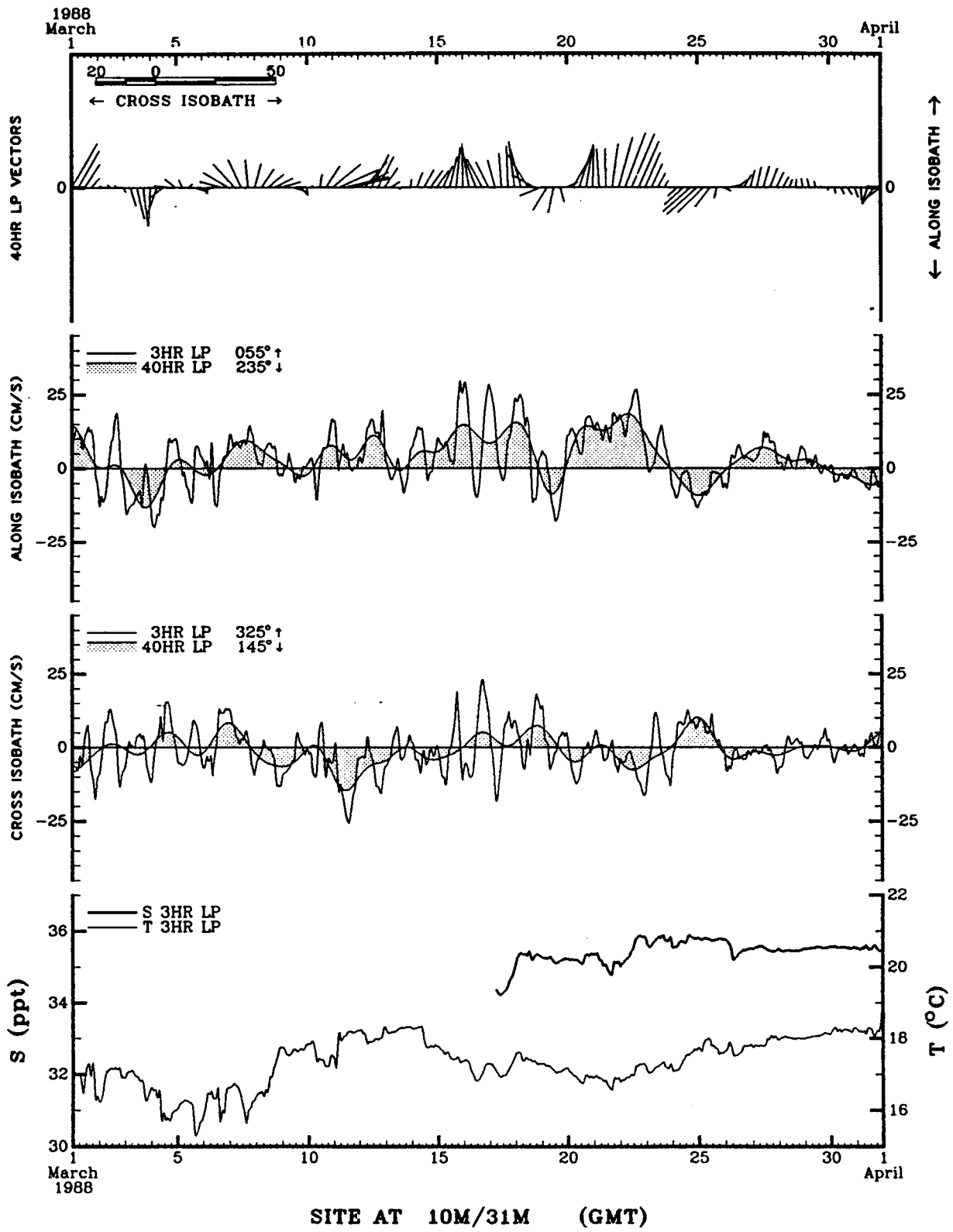
The orientation relative to true north of the y-axes in the alongshelf and cross-shelf component plots is shown in each frame, e.g. 055° - 235° (along isobath), 325° - 145° (cross isobath). Both the 3-hour low-pass filtered and the 40-hour low-pass filtered series are shown for each component.

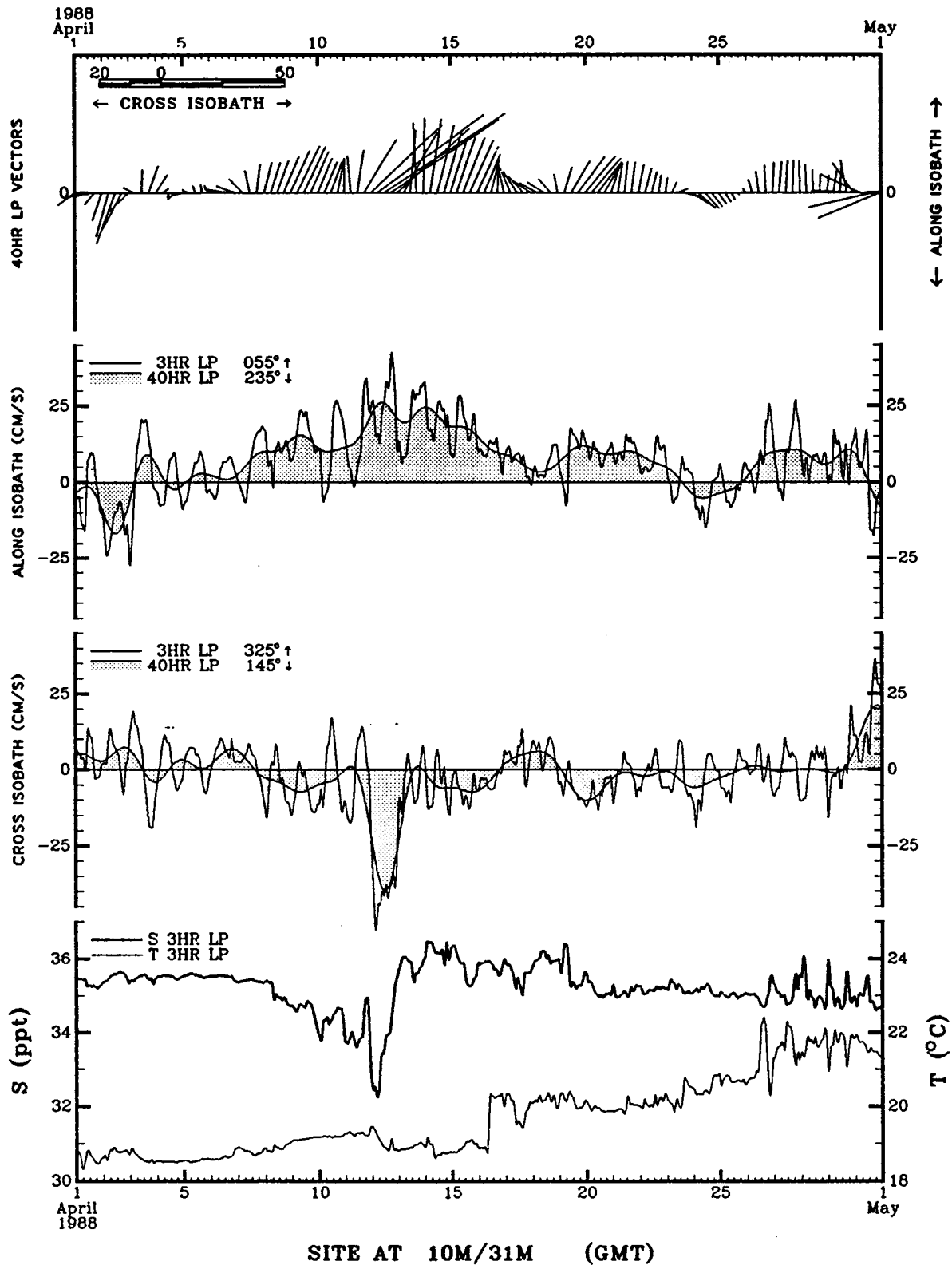
The bottom frame shows the 3-hour low-pass filtered series for temperature and salinity.

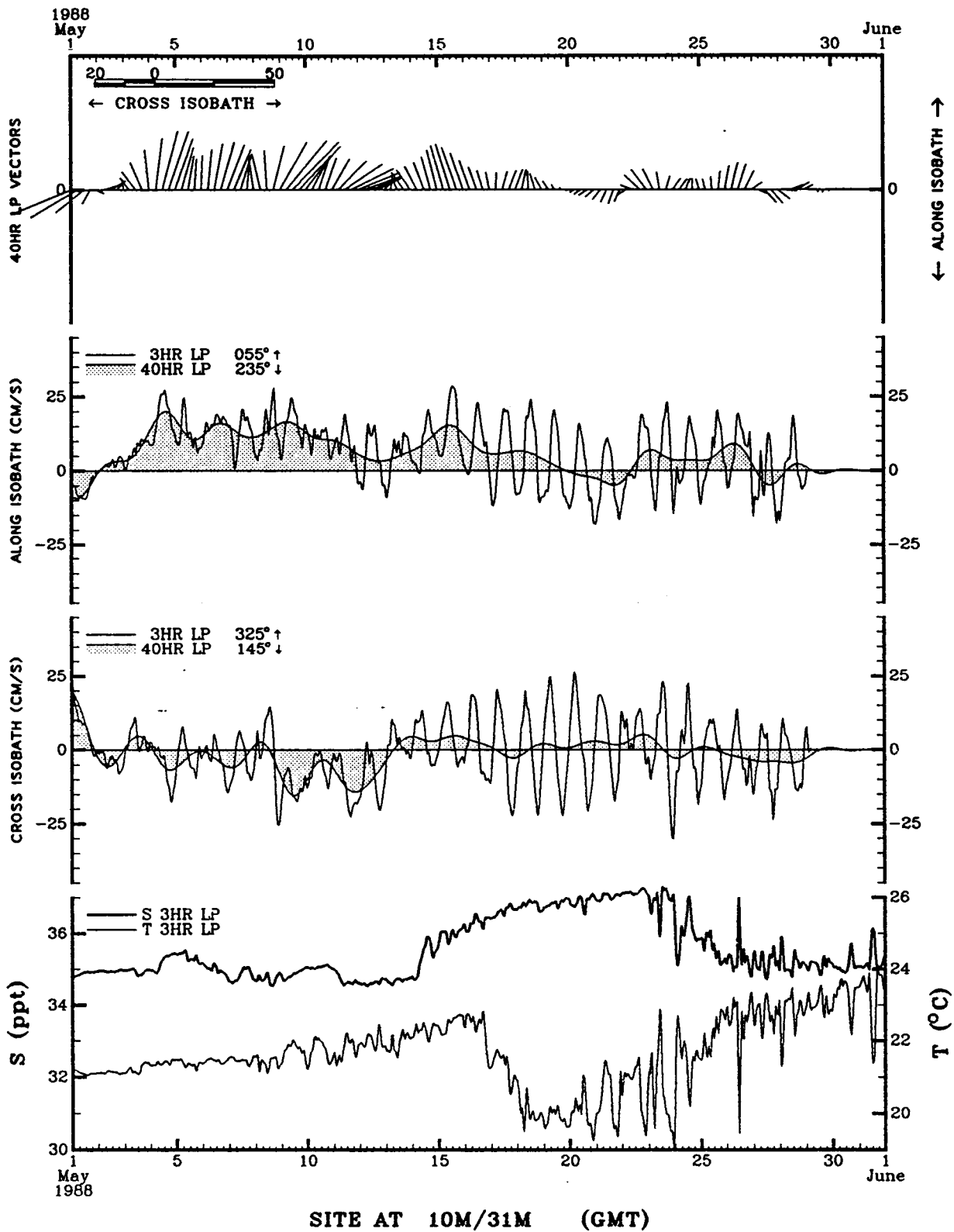


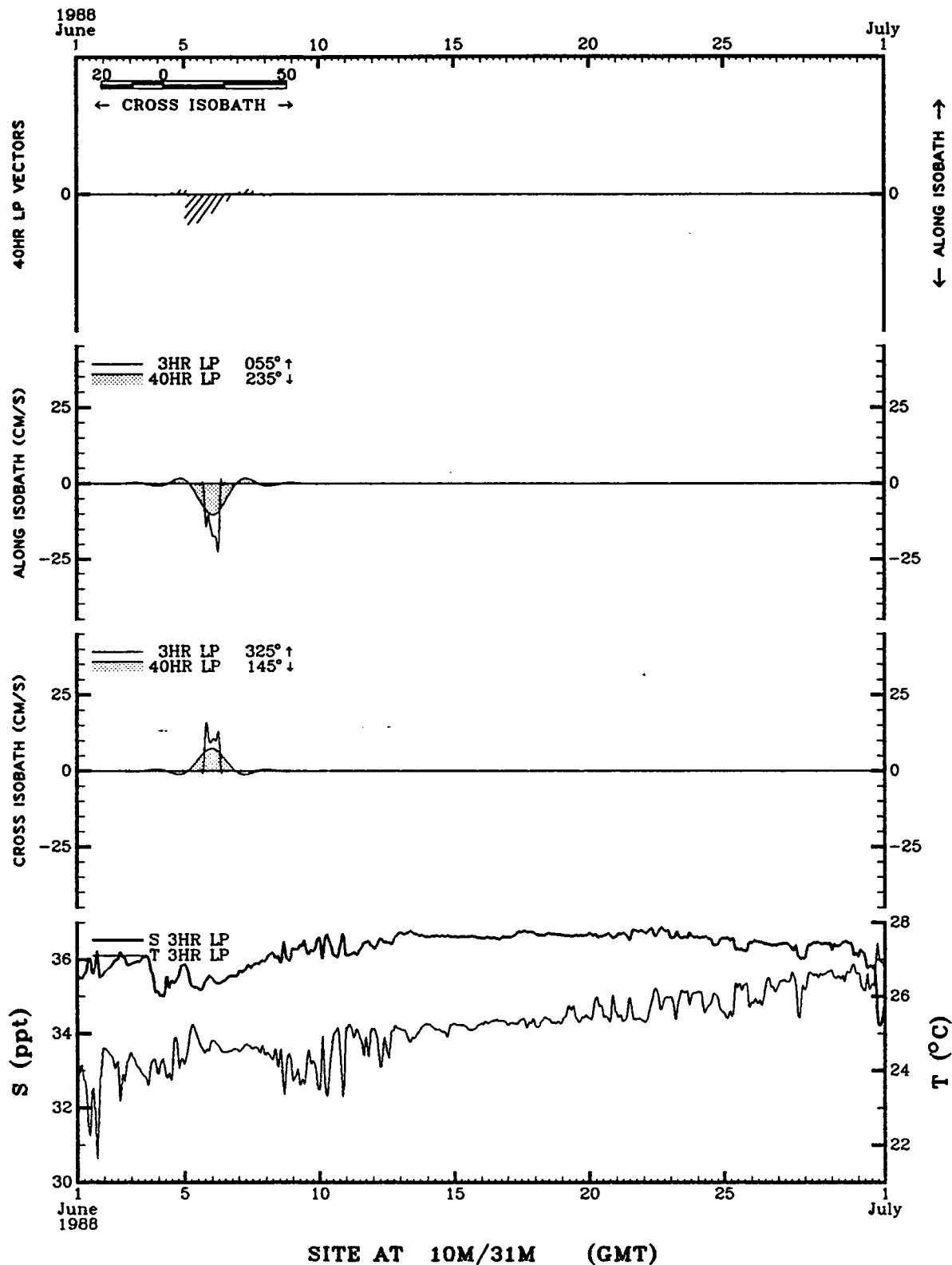


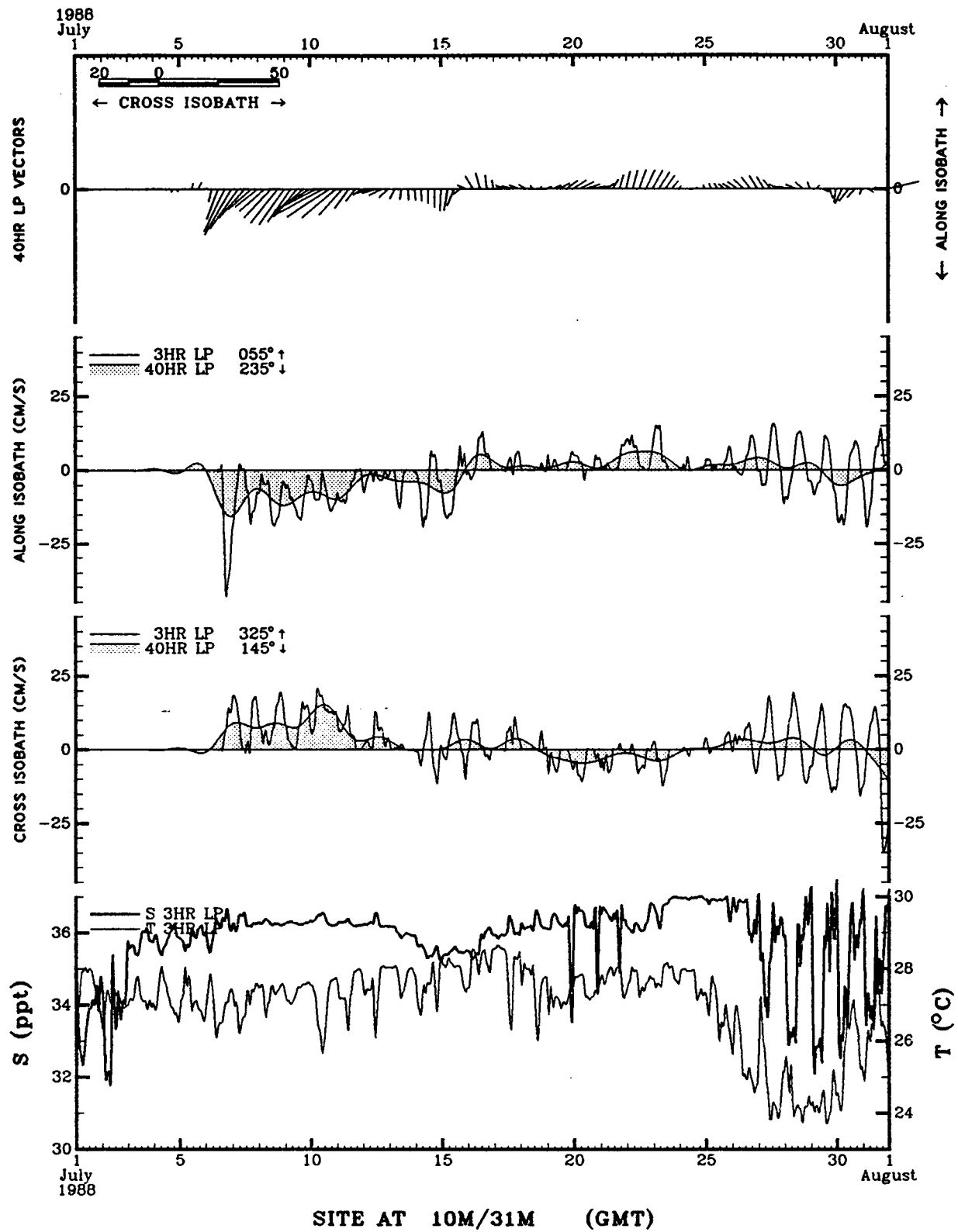


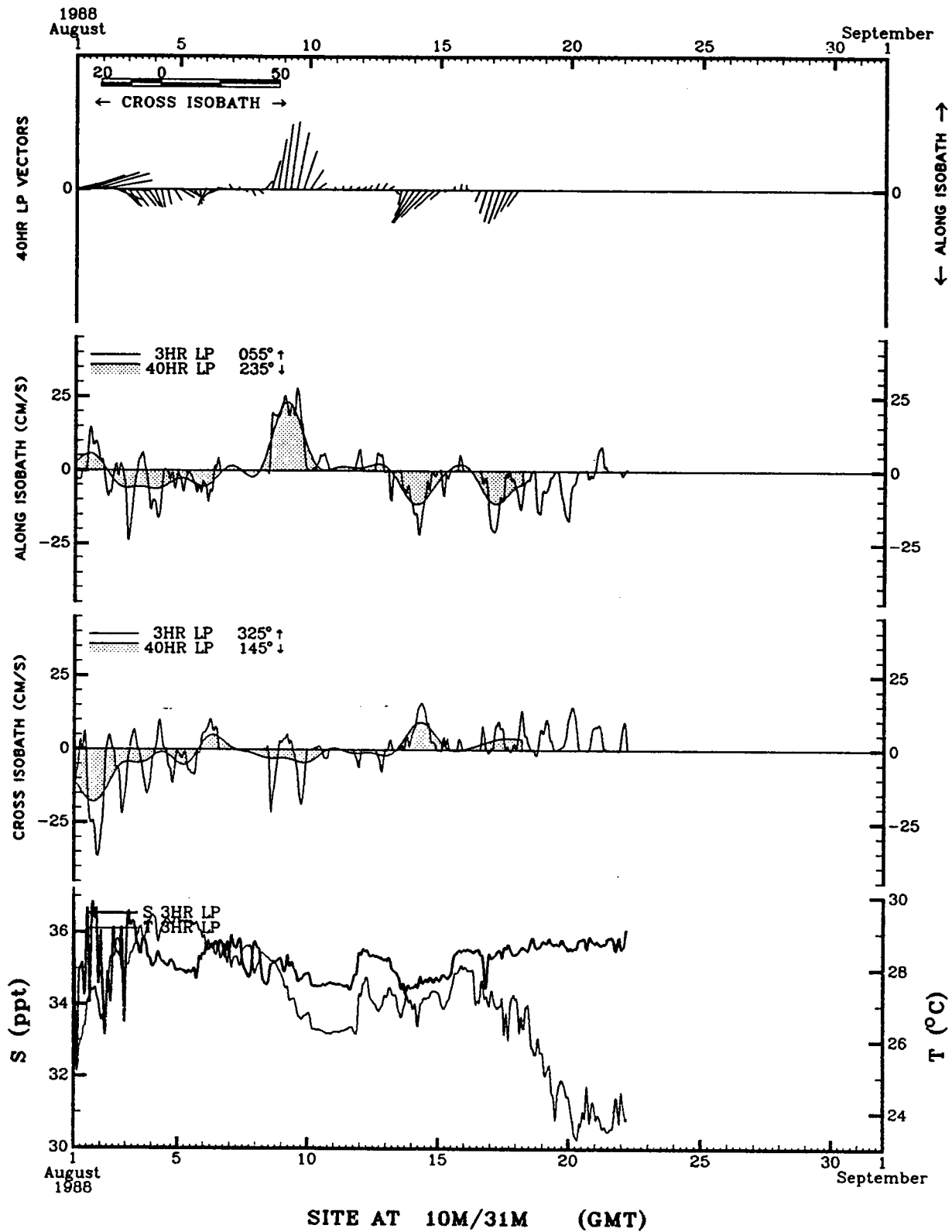


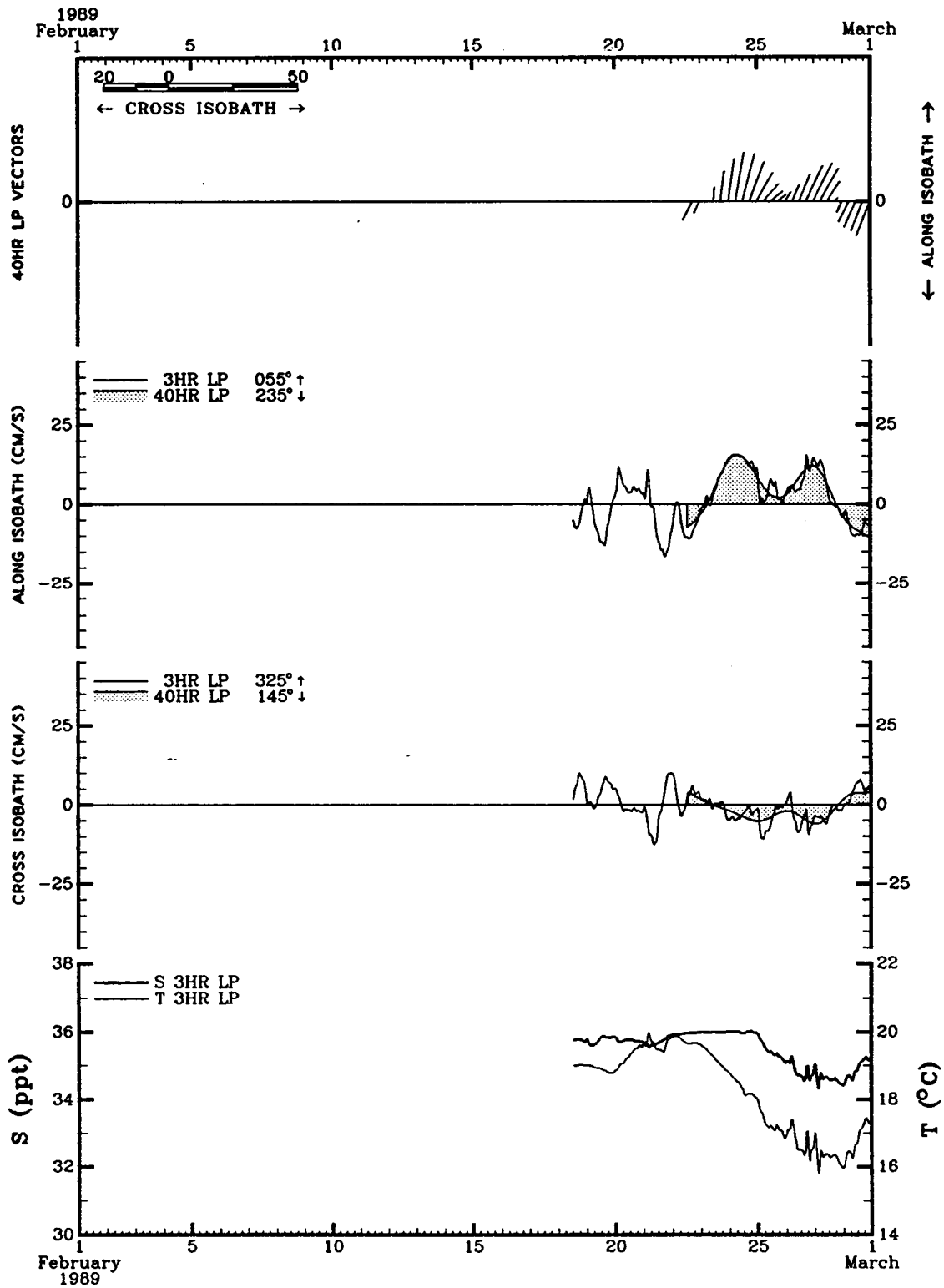




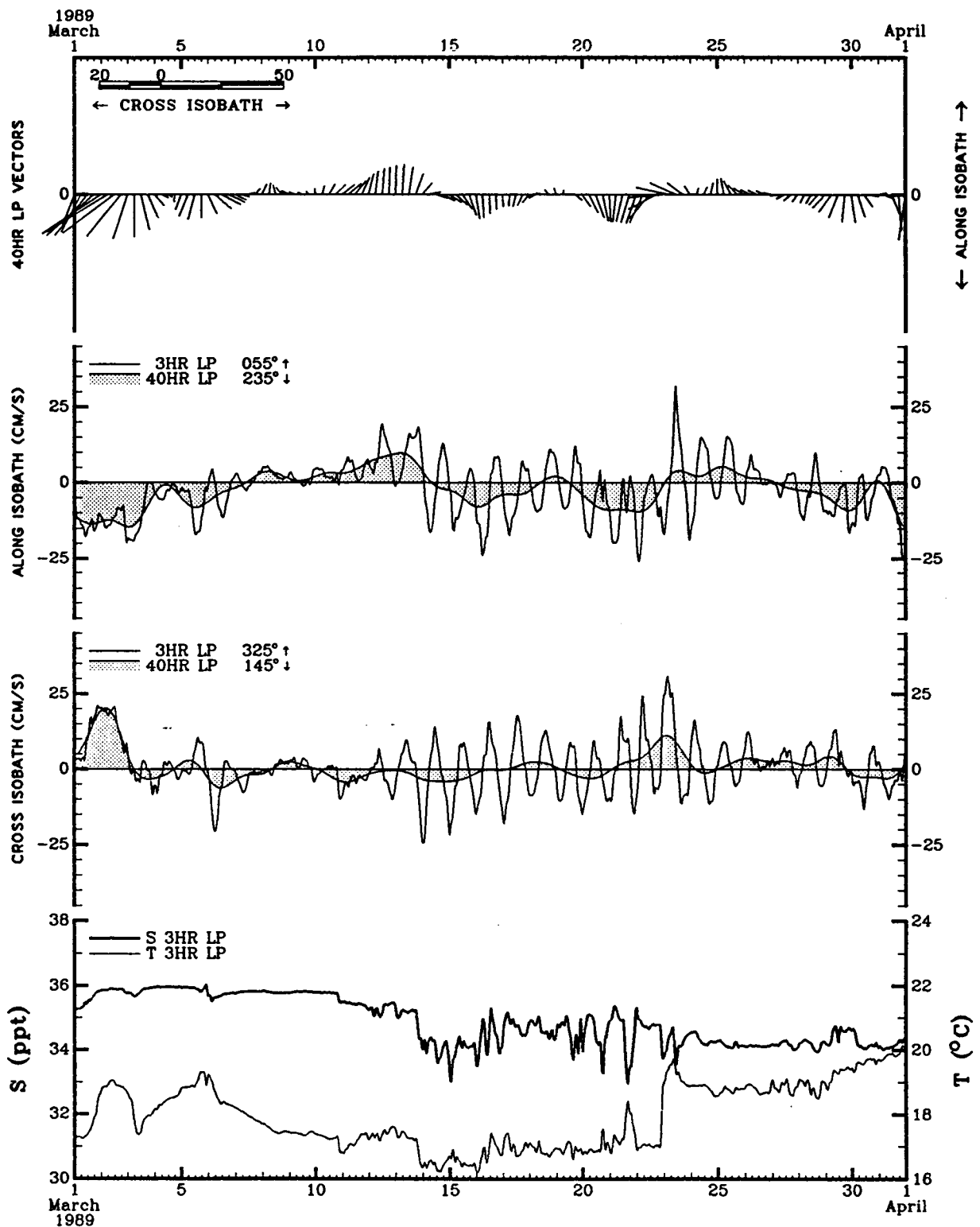




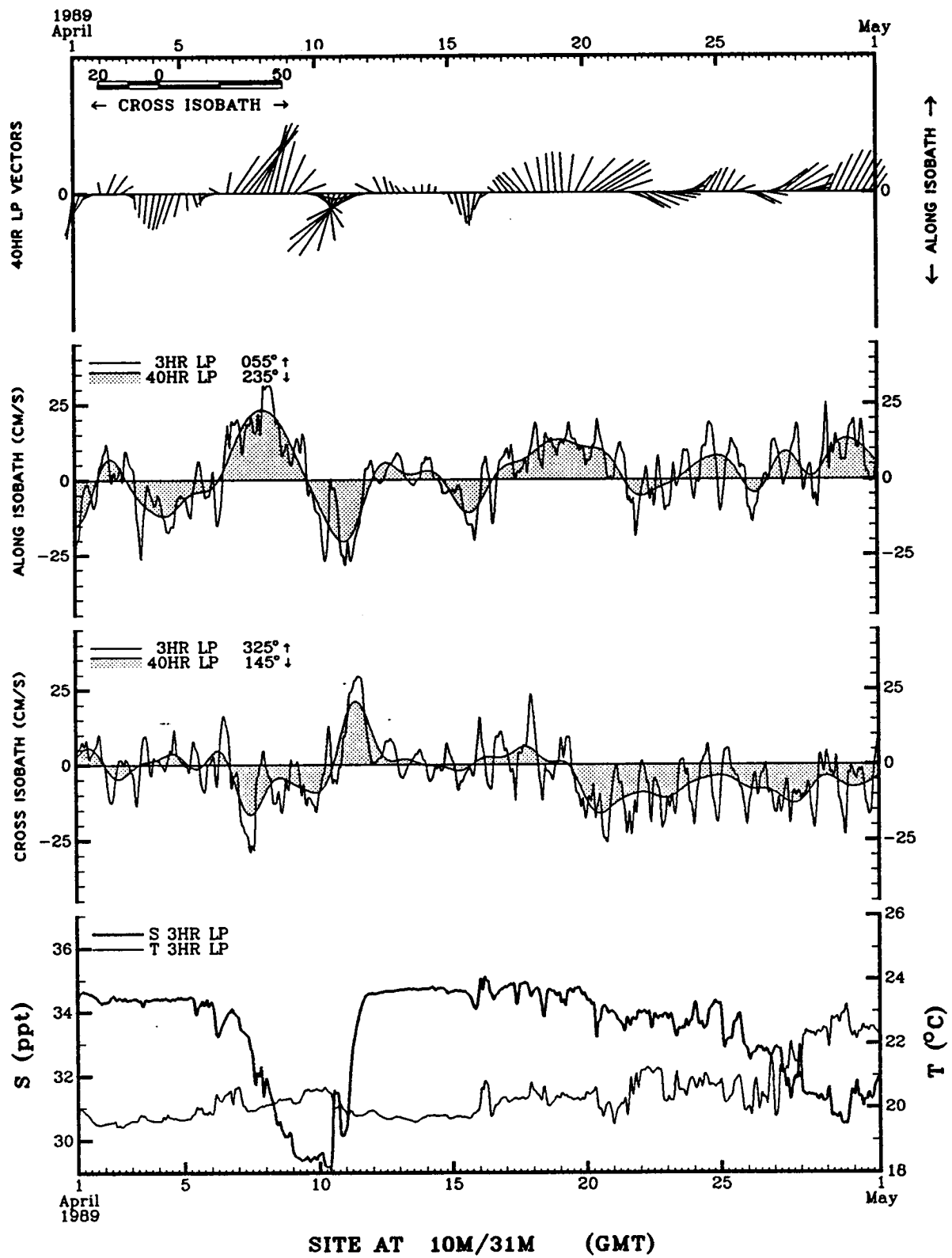


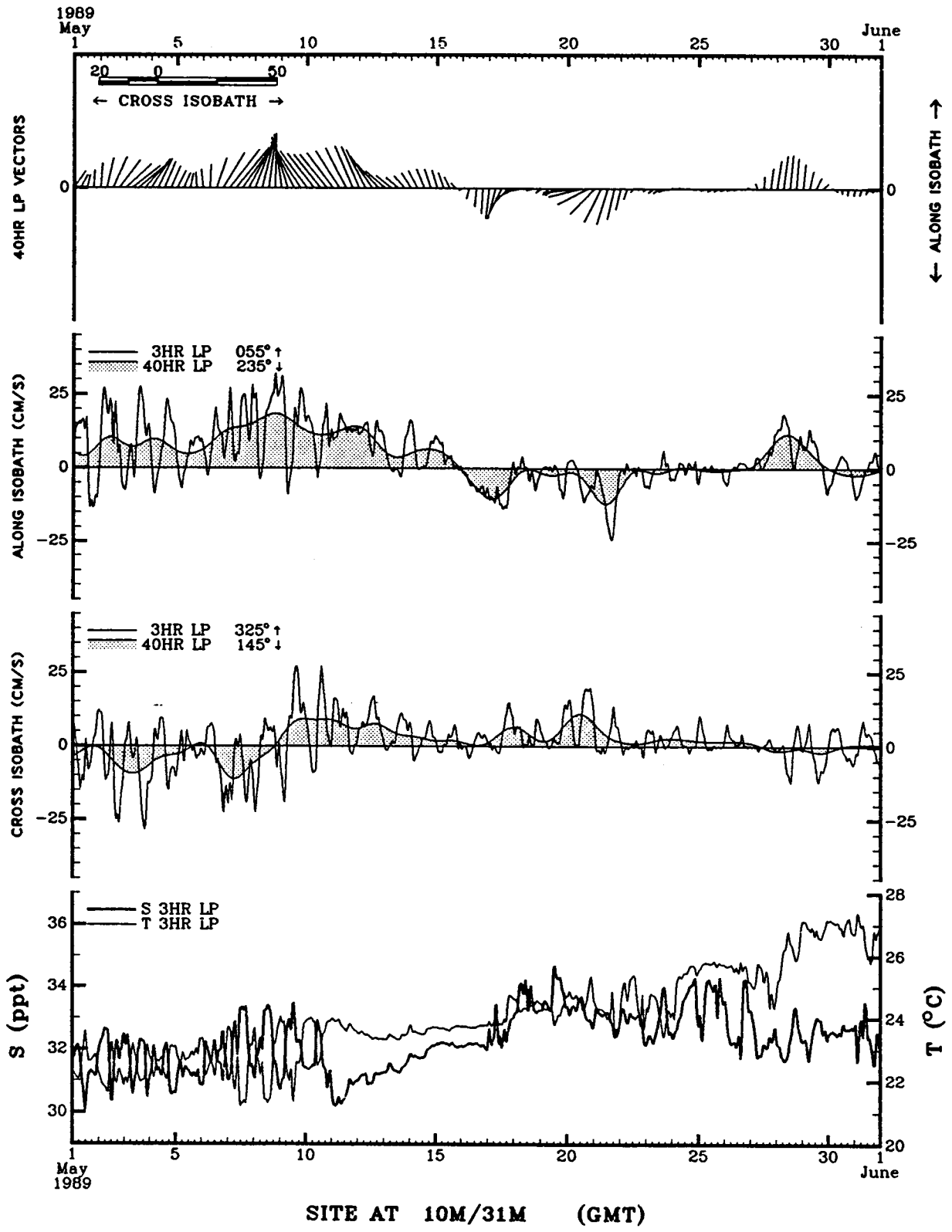


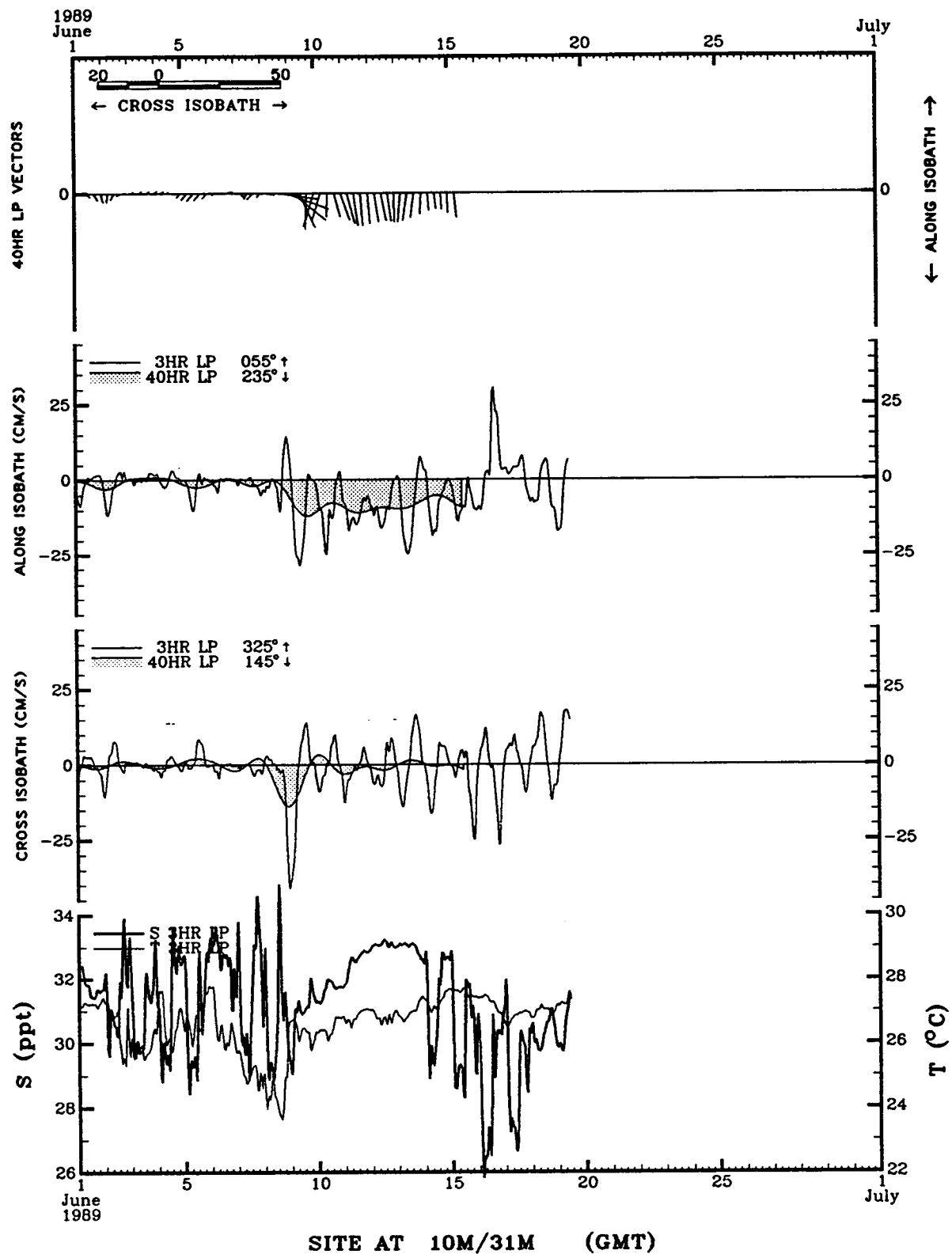
SITE AT 10M/31M (GMT)

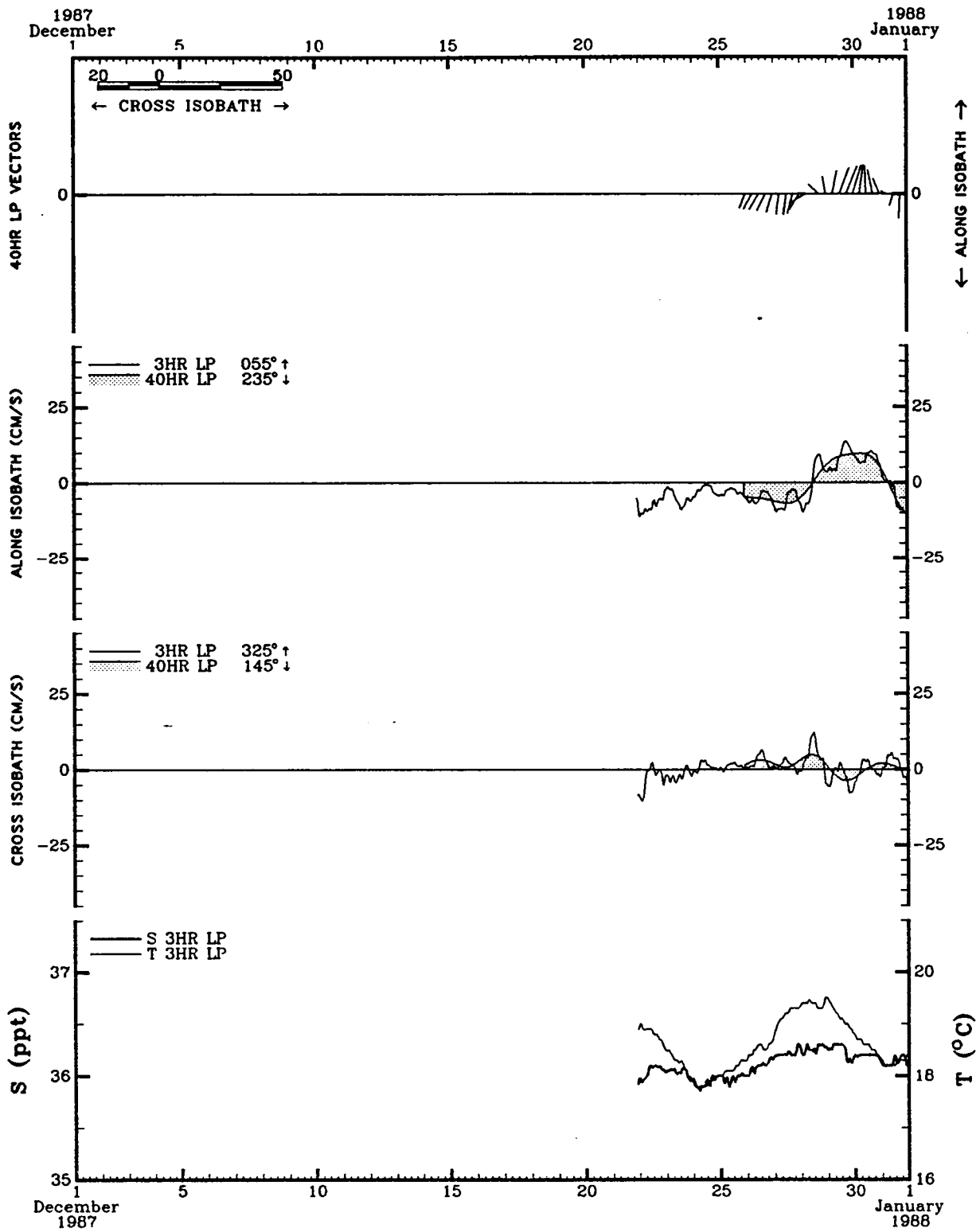


SITE AT 10M/31M (GMT)

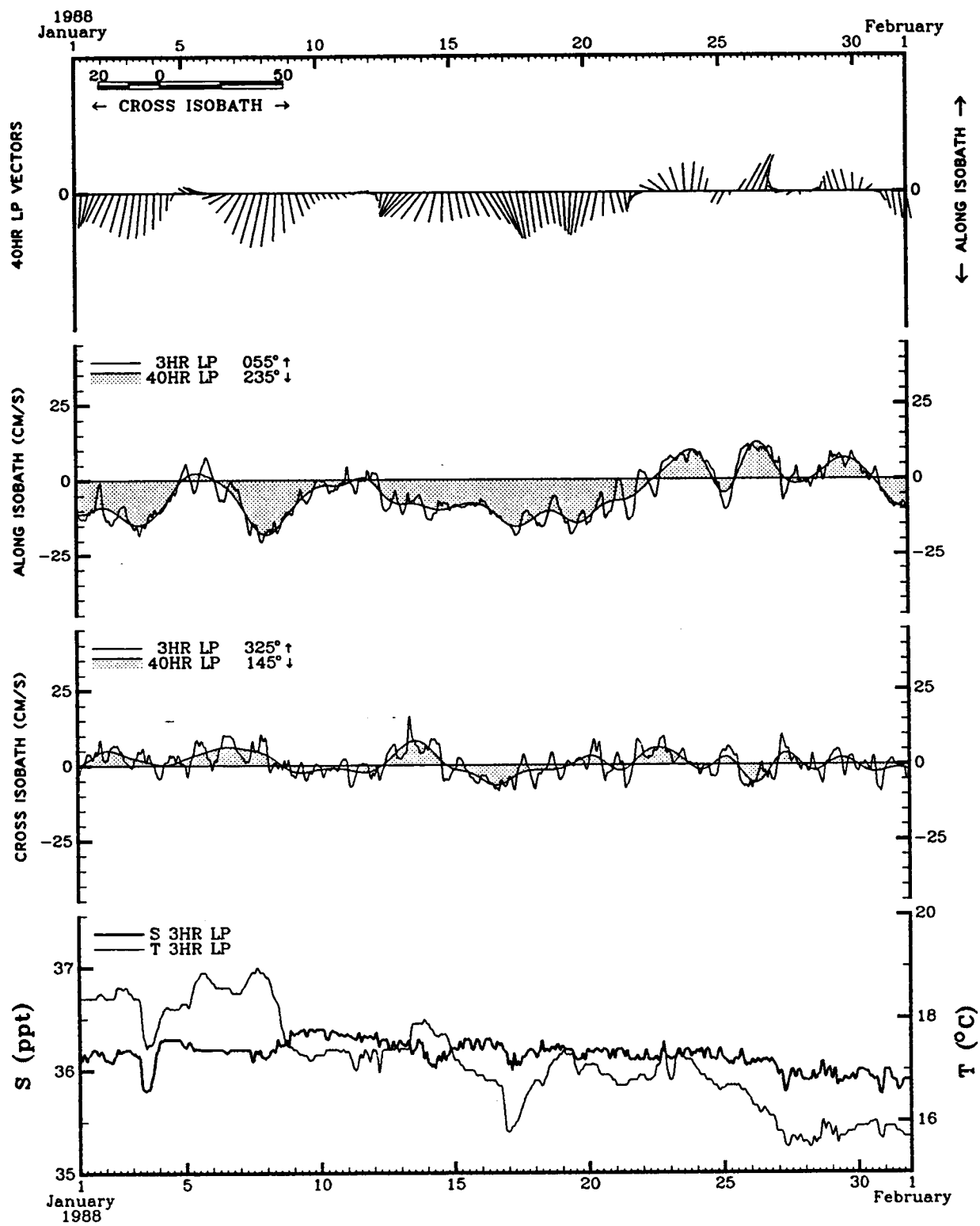




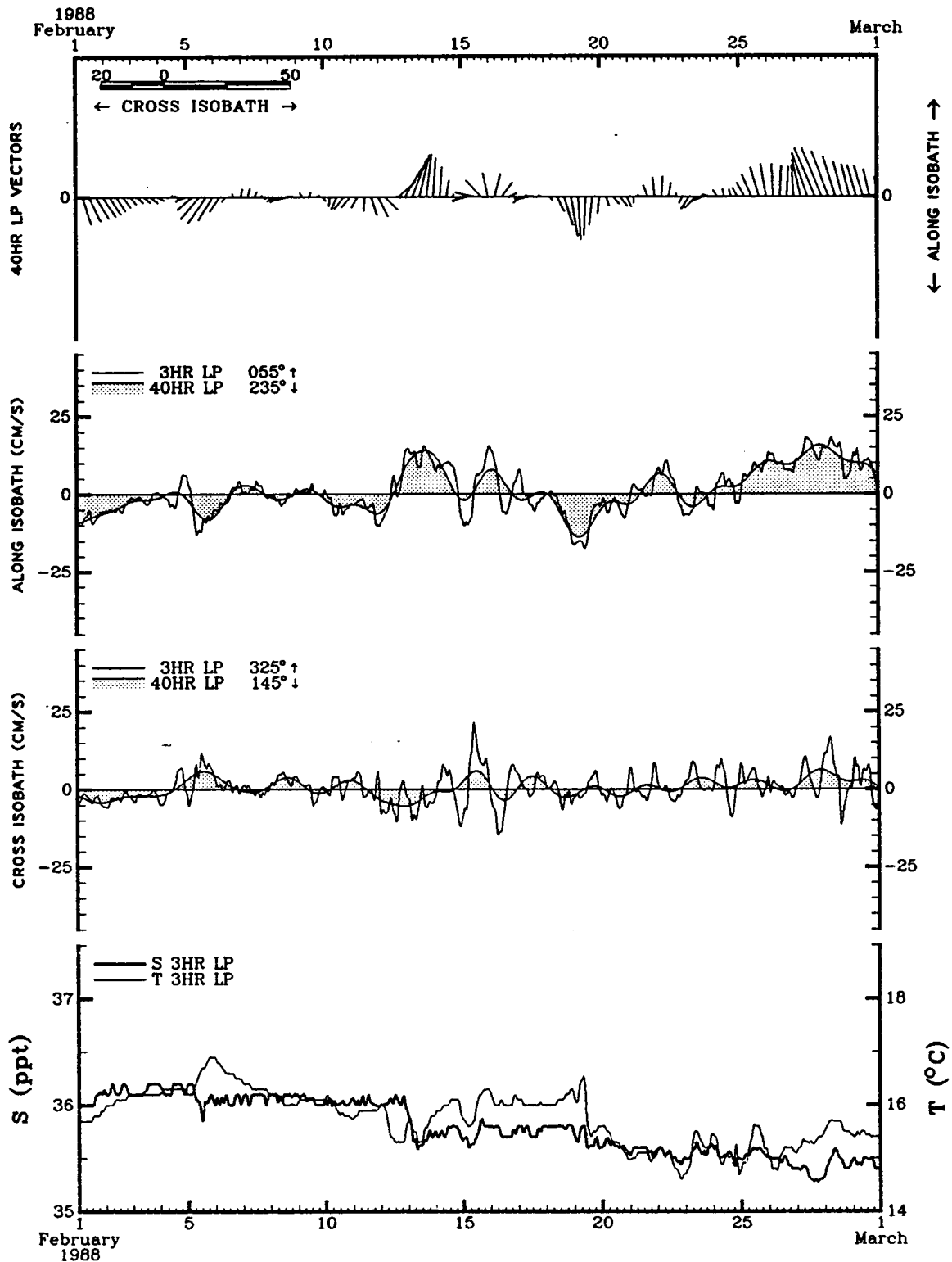




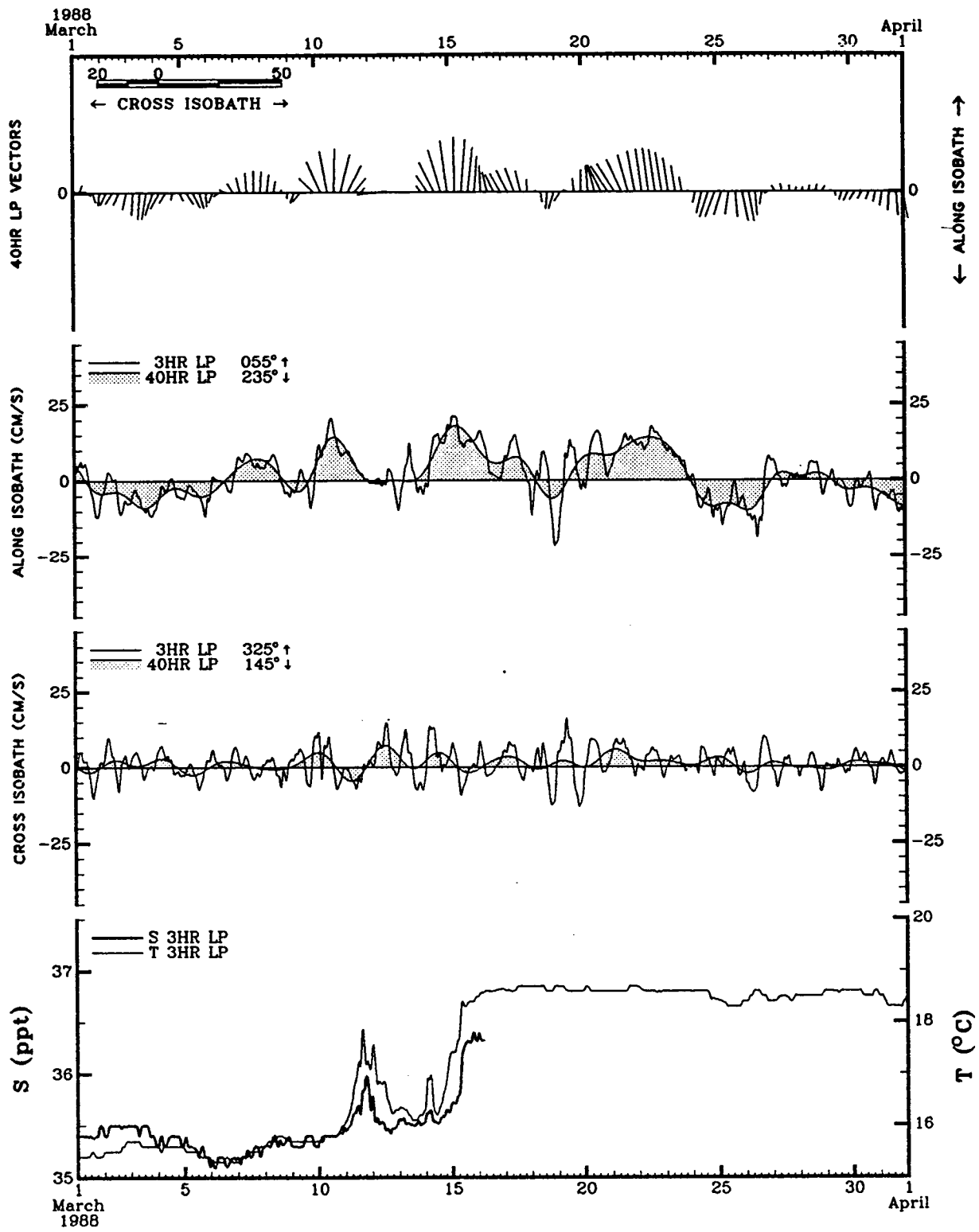
SITE AB 28M/31M (GMT)



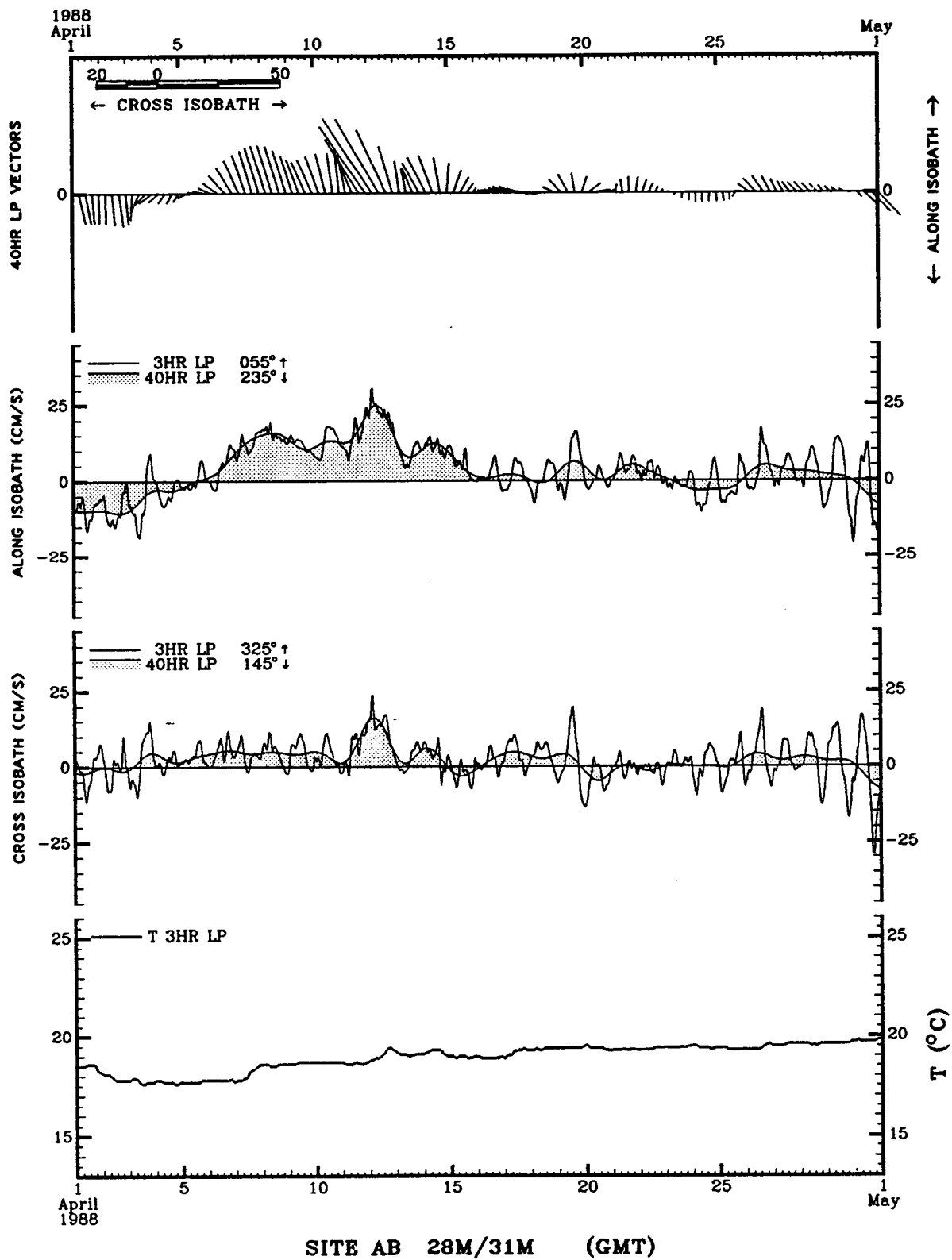
SITE AB 28M/31M (GMT)

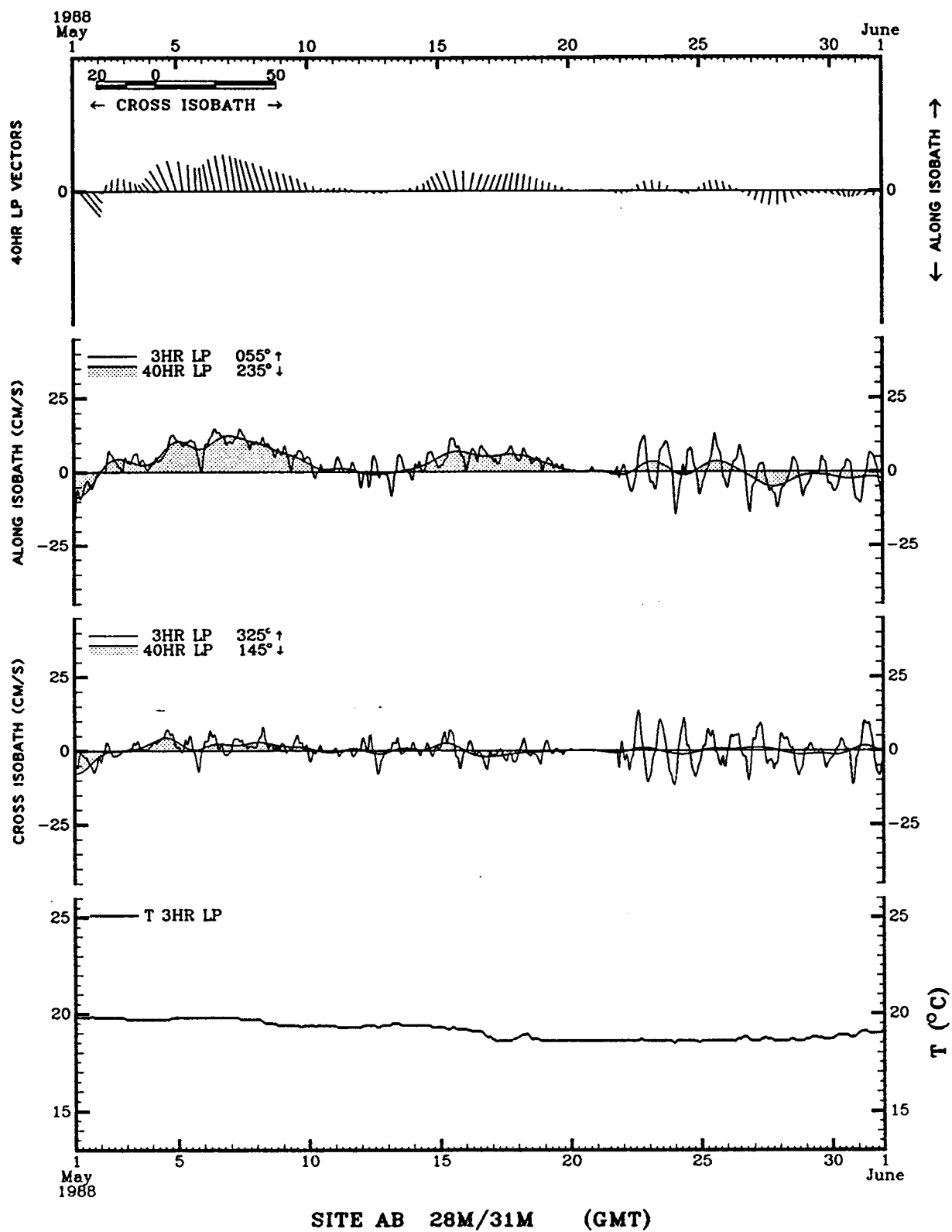


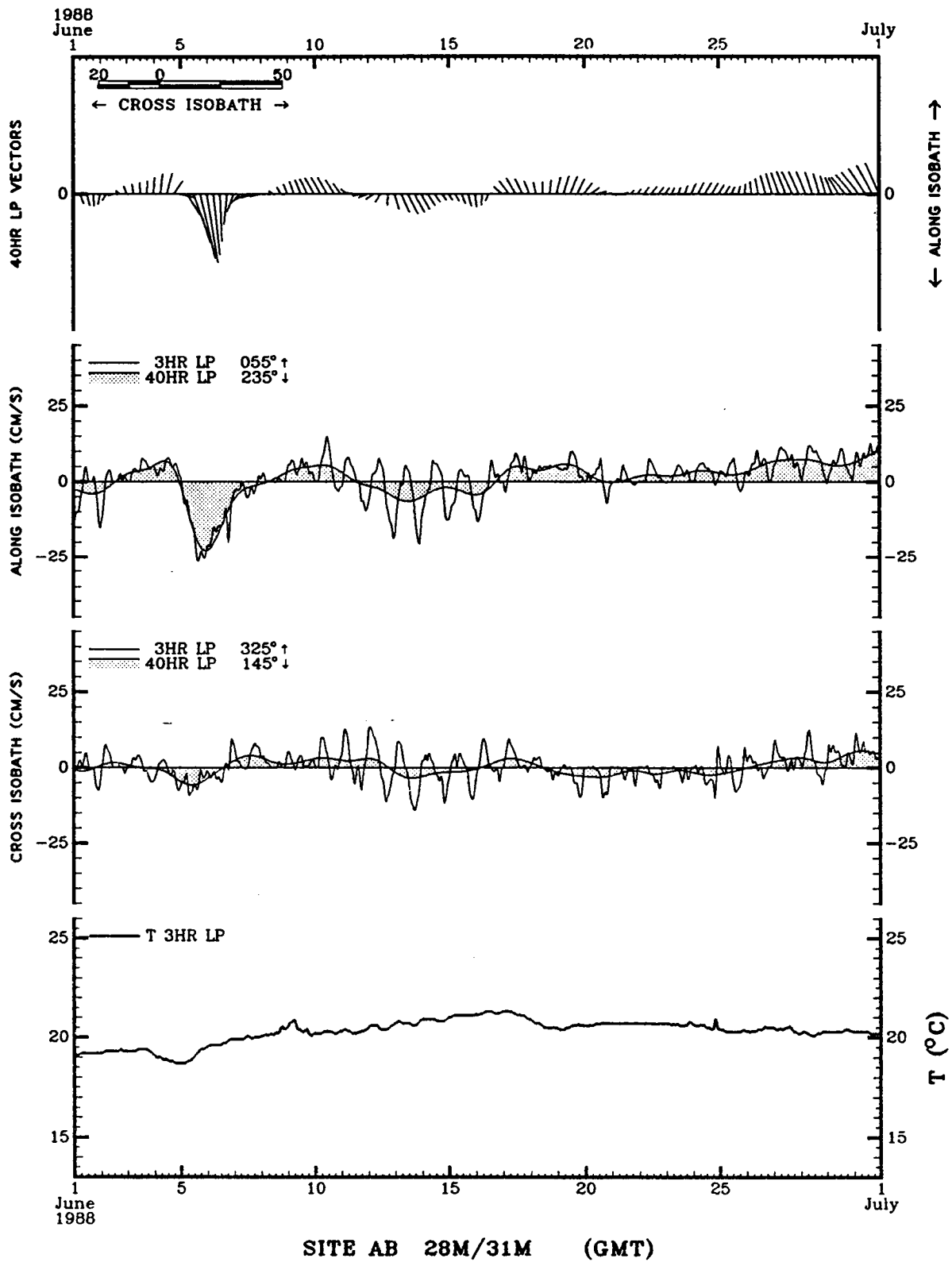
SITE AB 28M/31M (GMT)

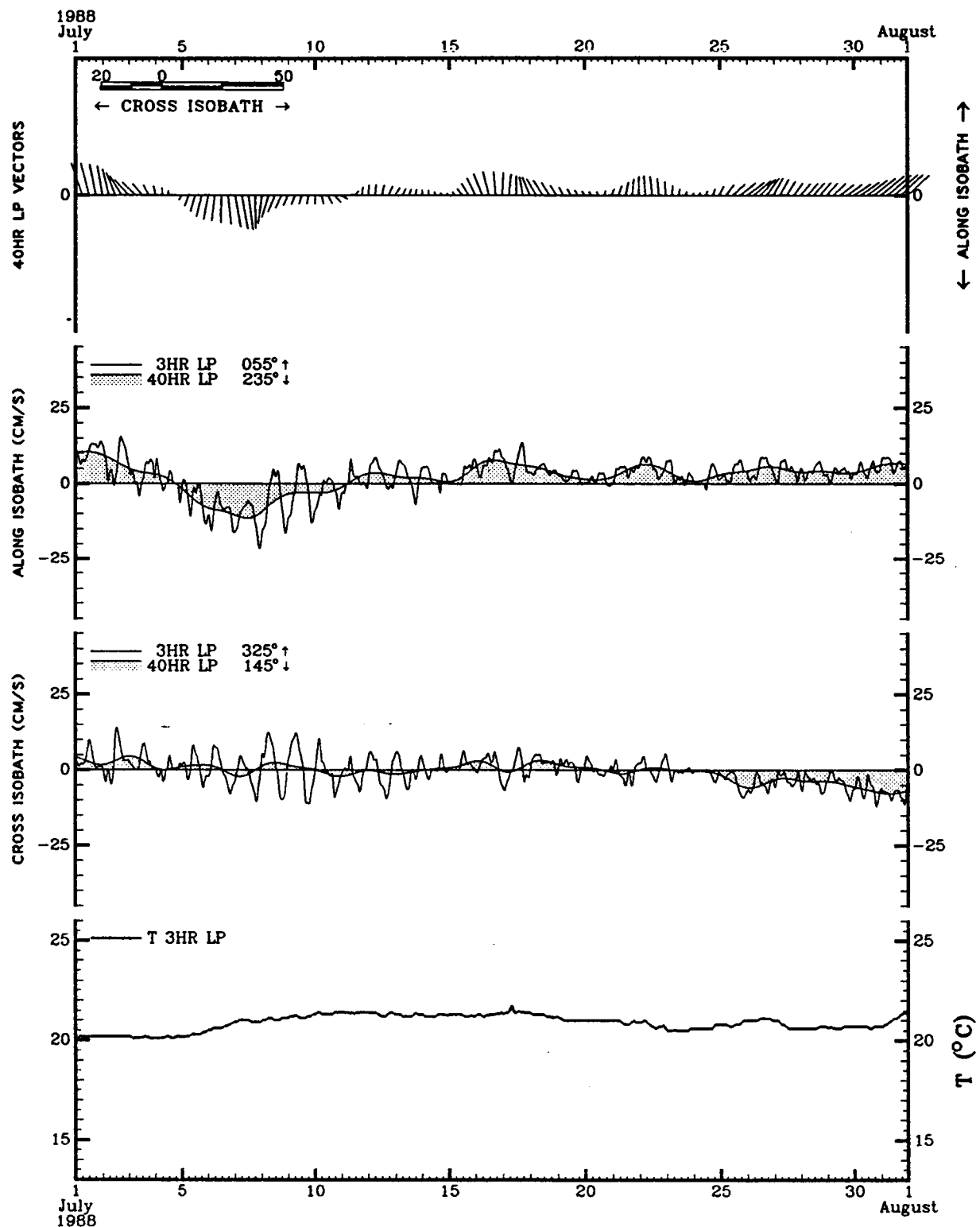


SITE AB 28M/31M (GMT)

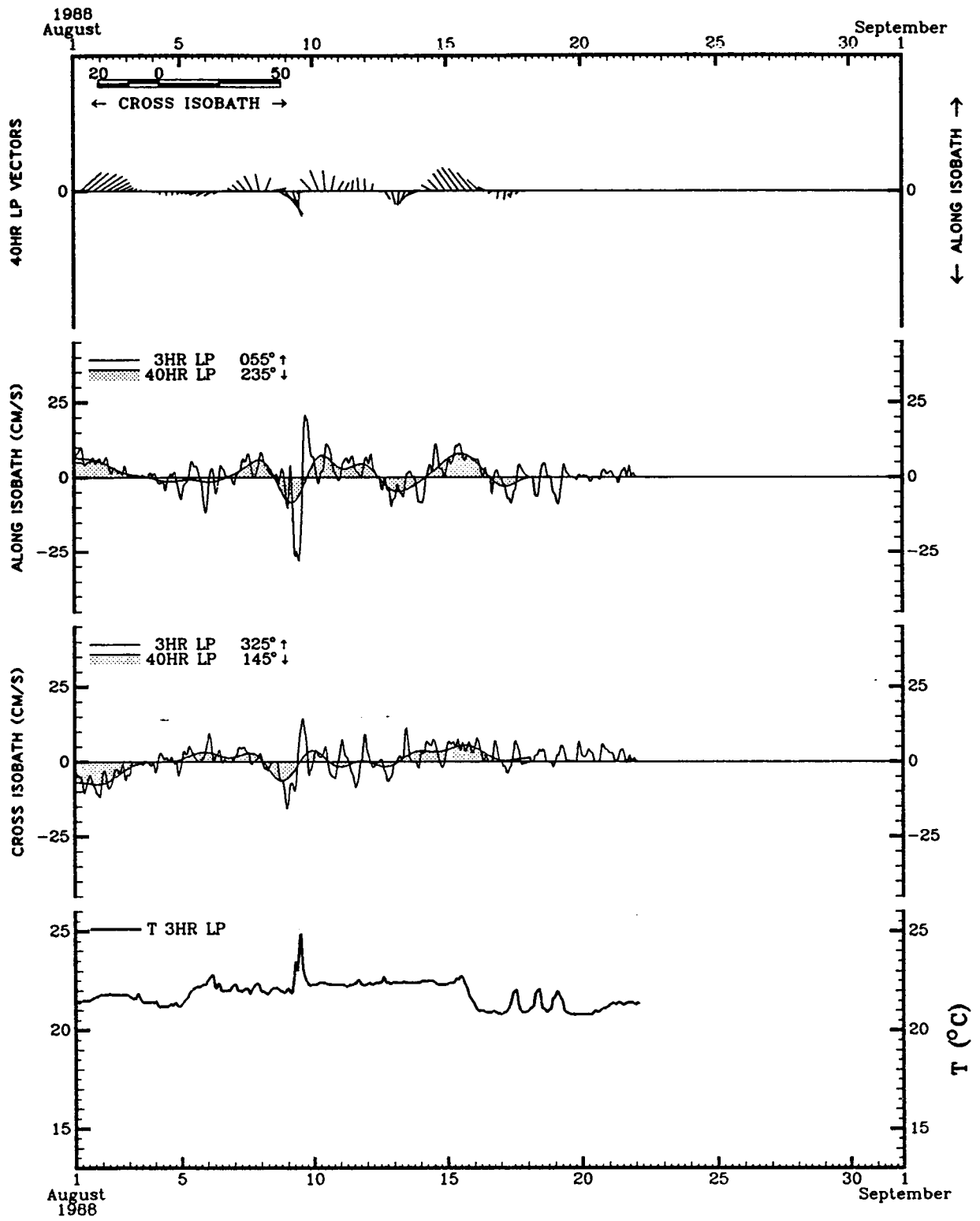




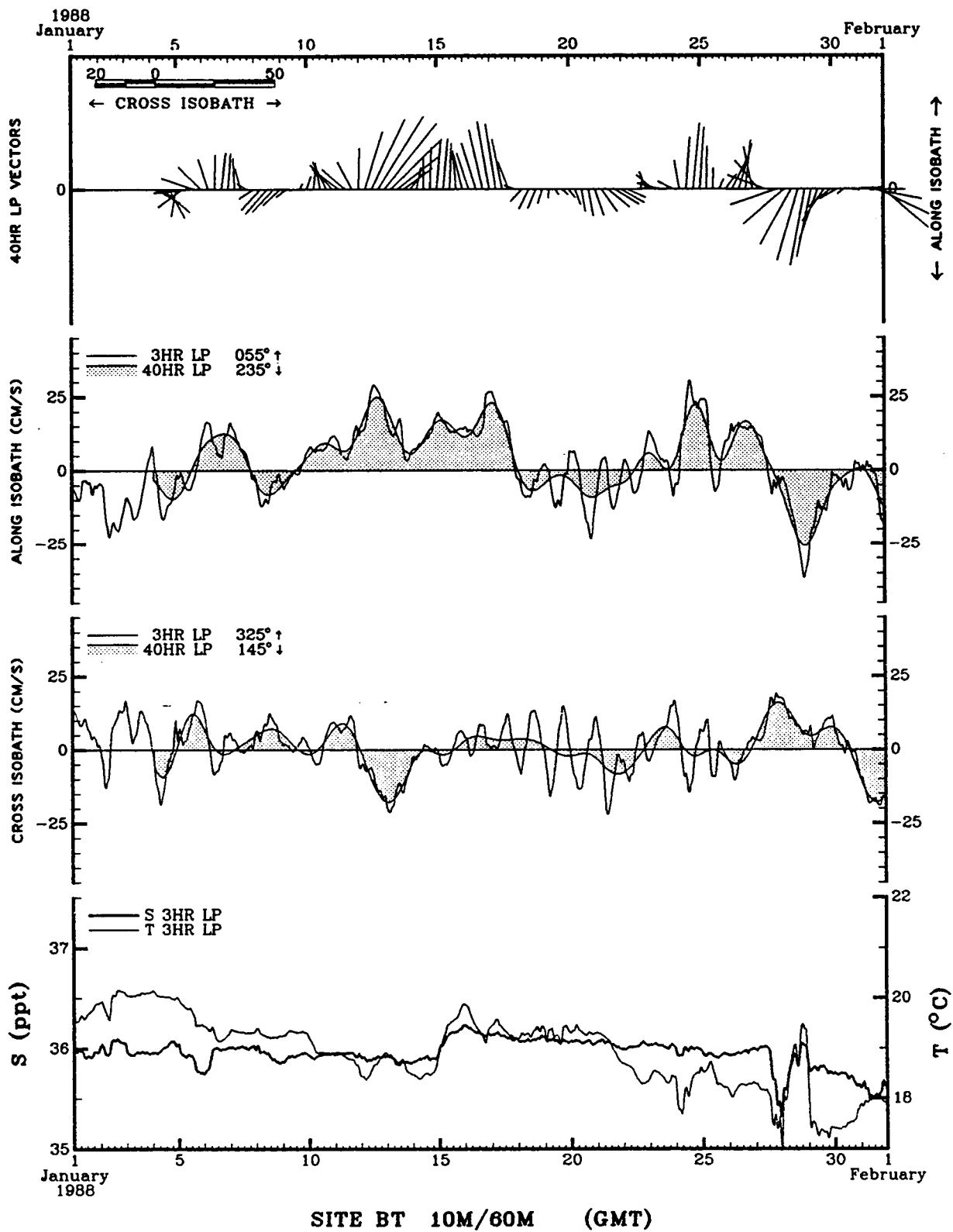


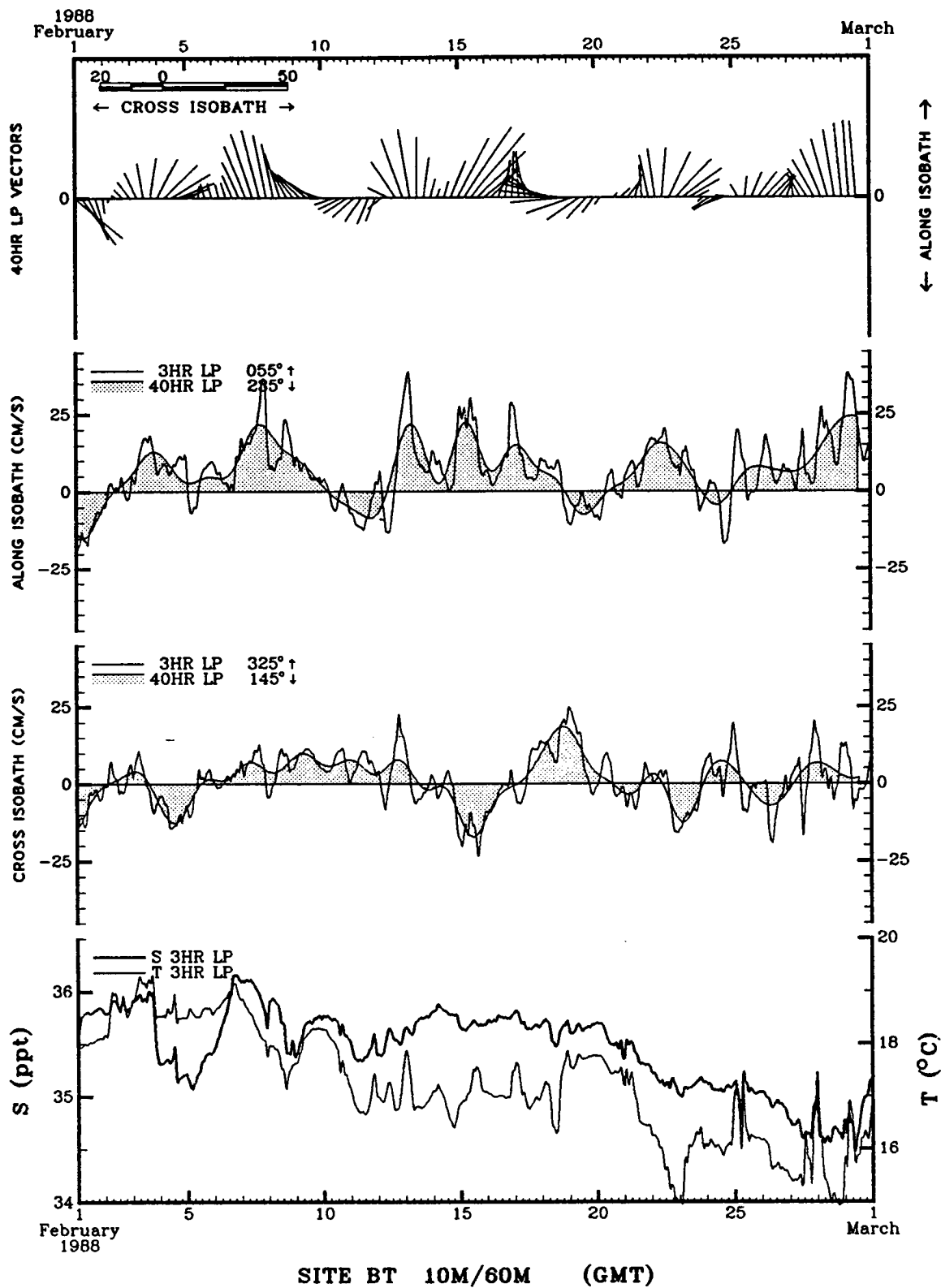


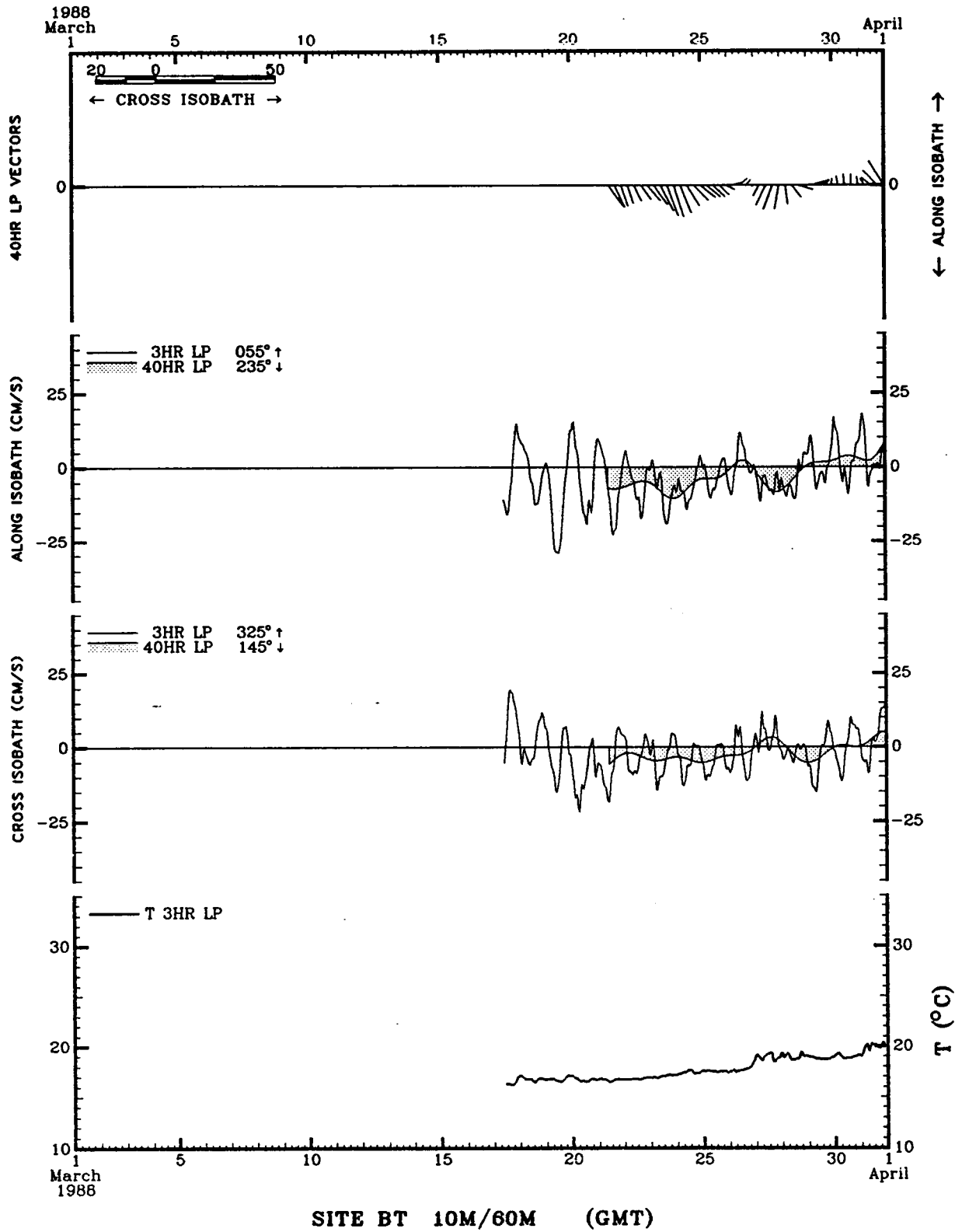
SITE AB 28M/31M (GMT)

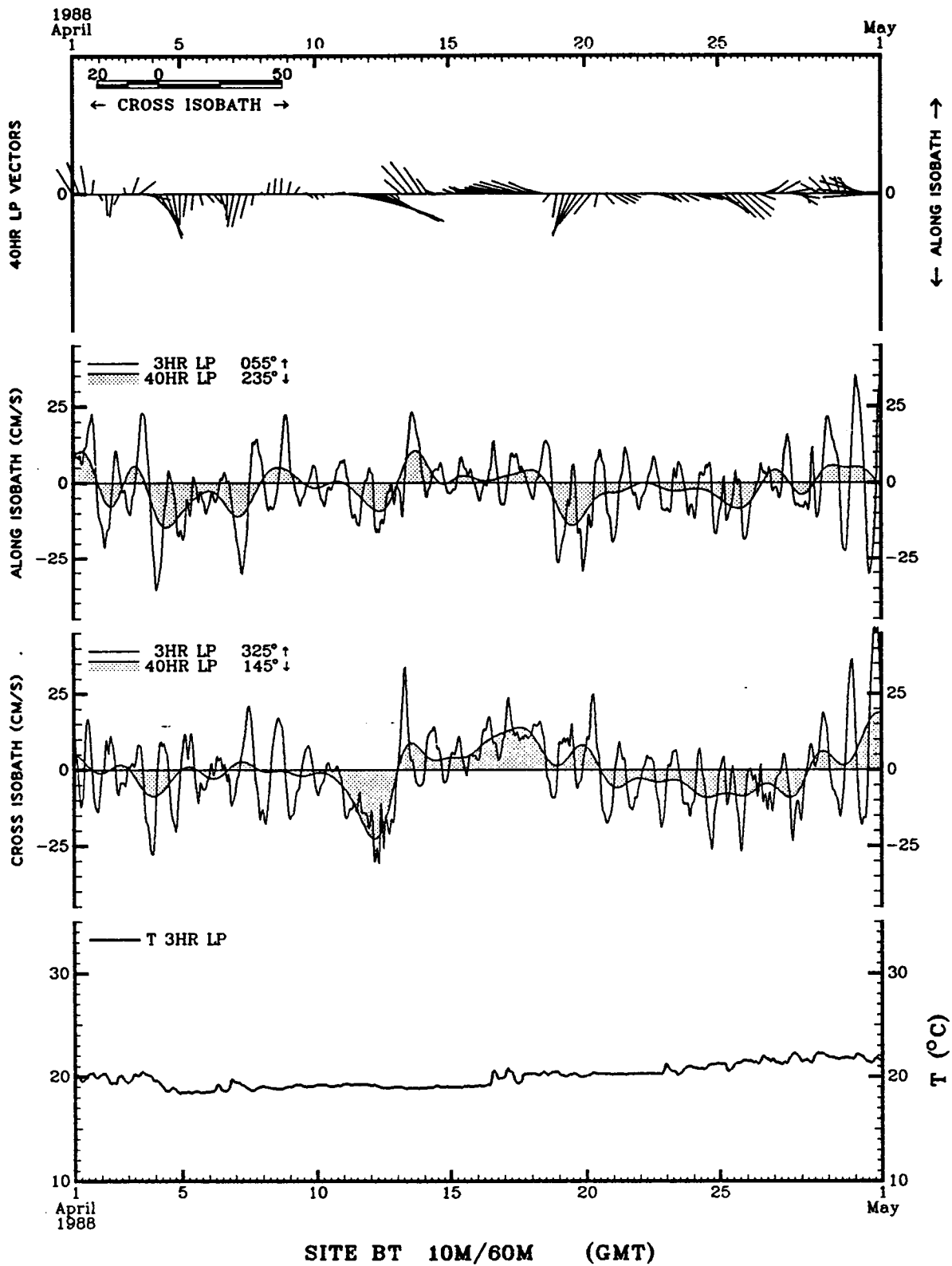


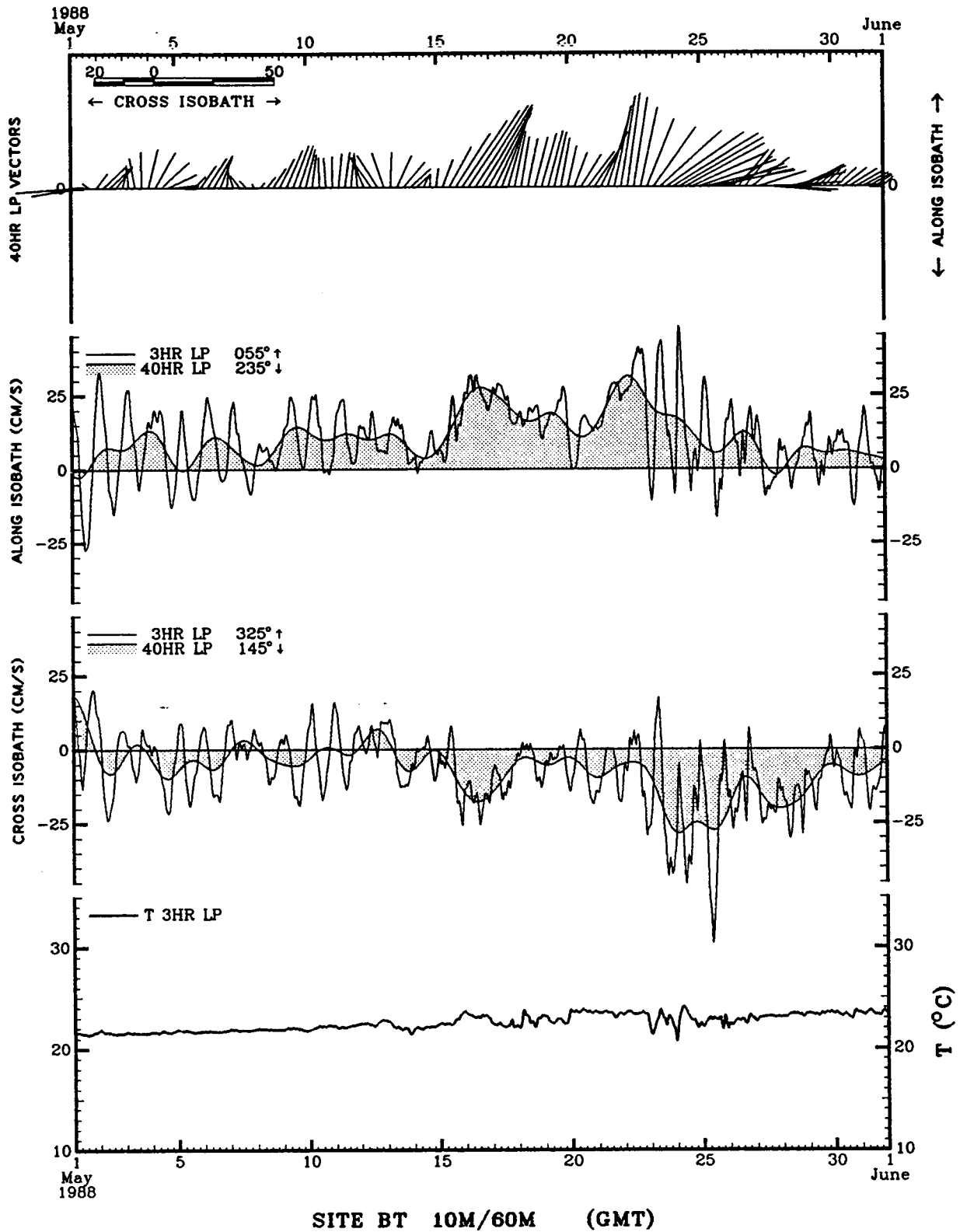
SITE AB 28M/31M (GMT)

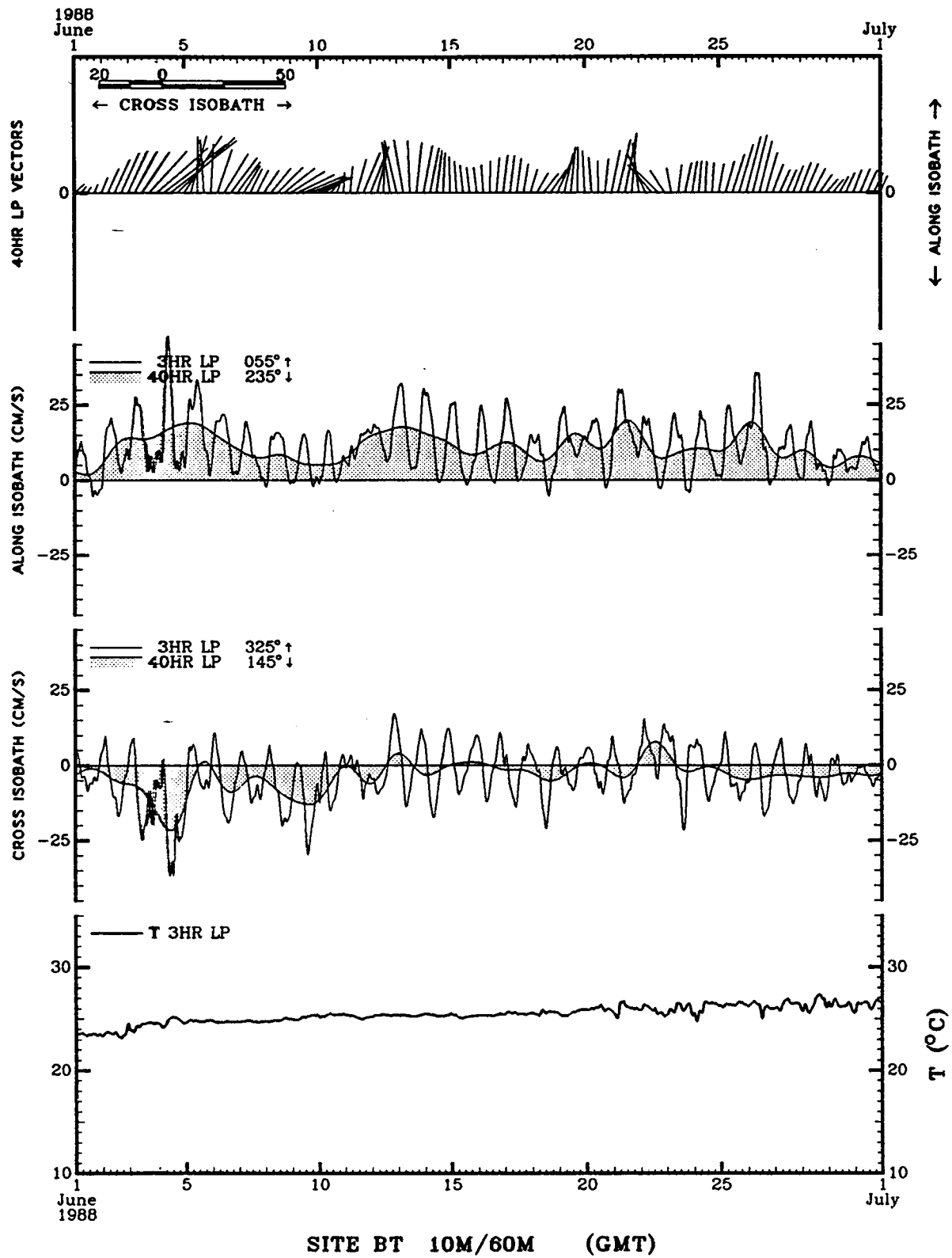


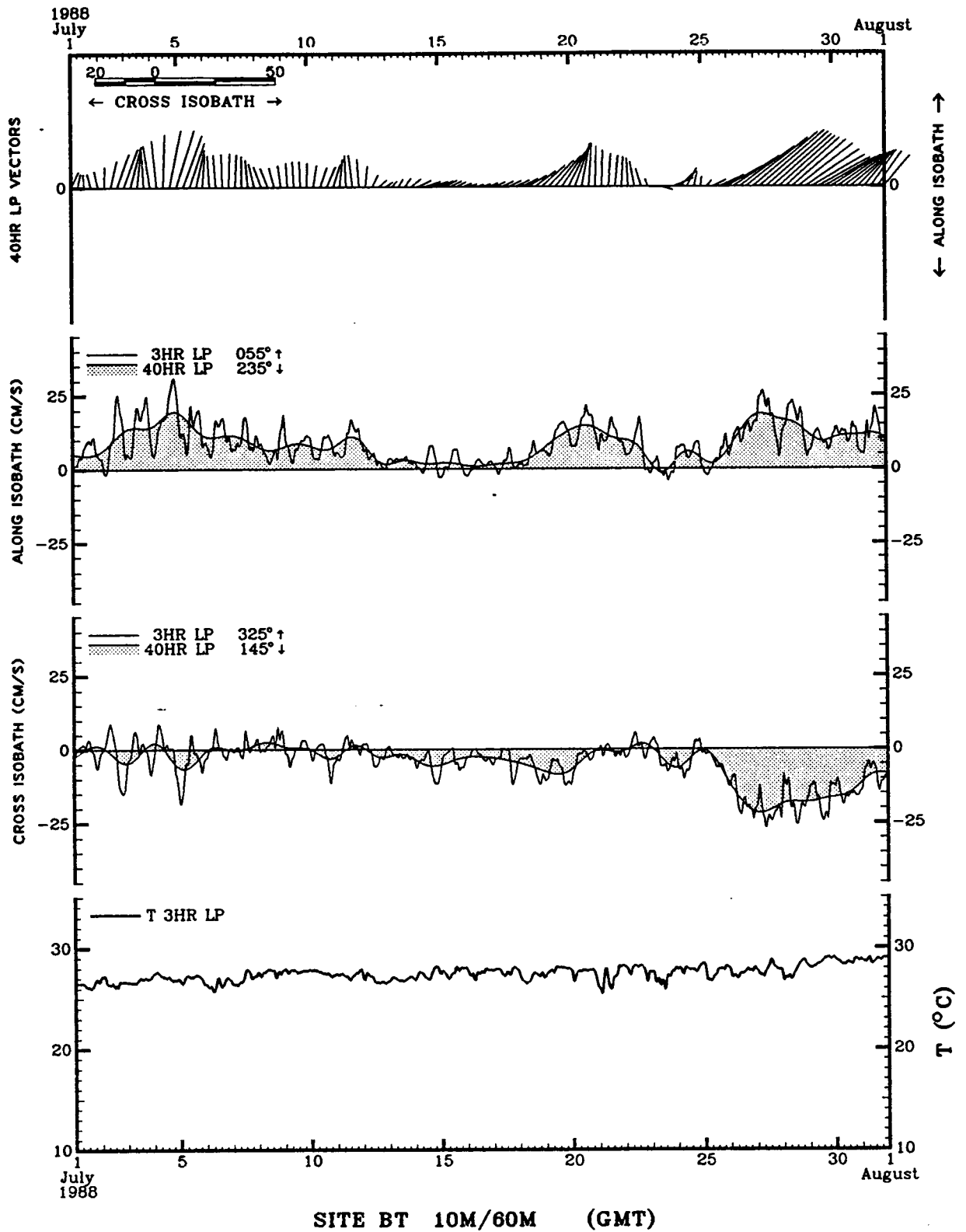


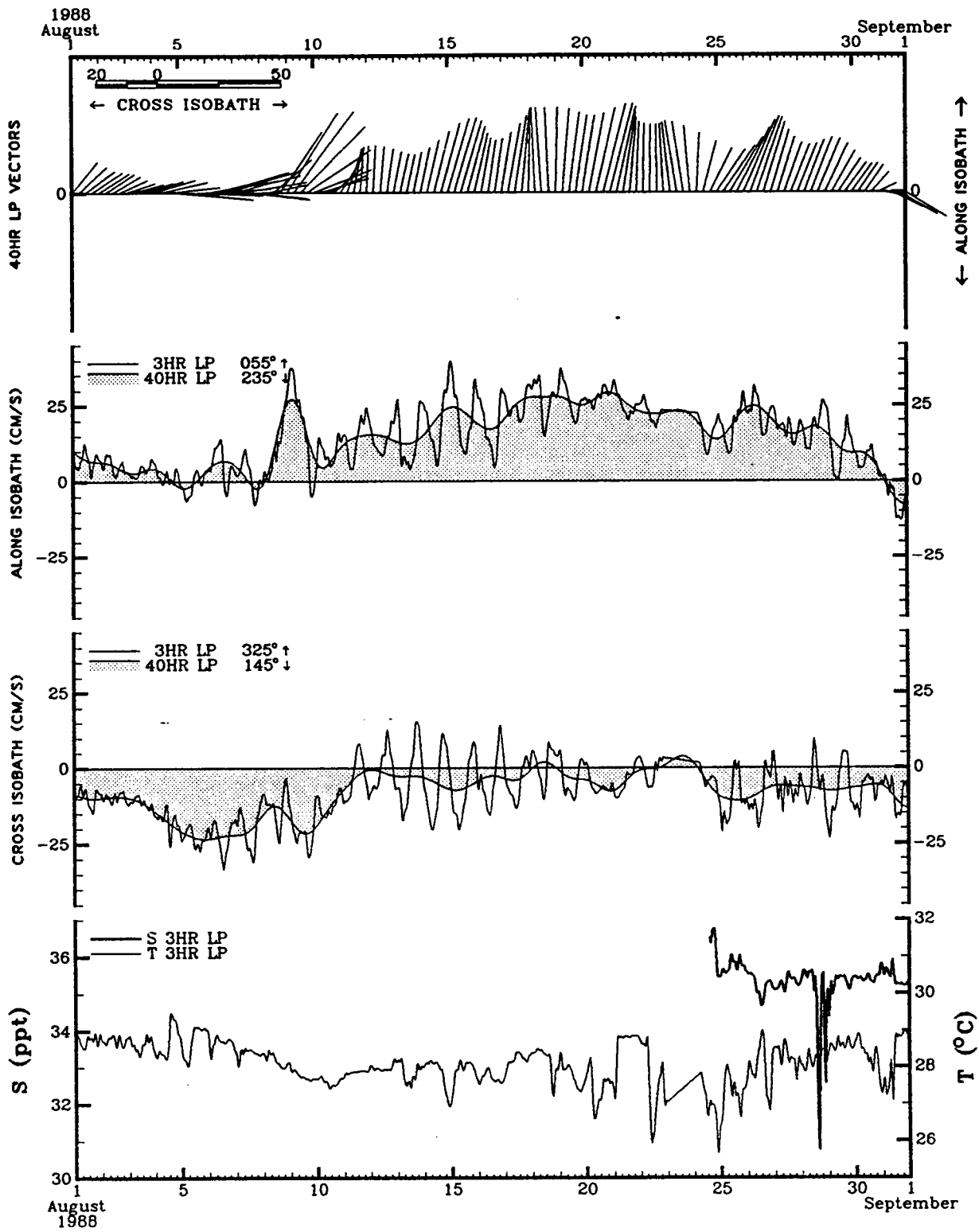




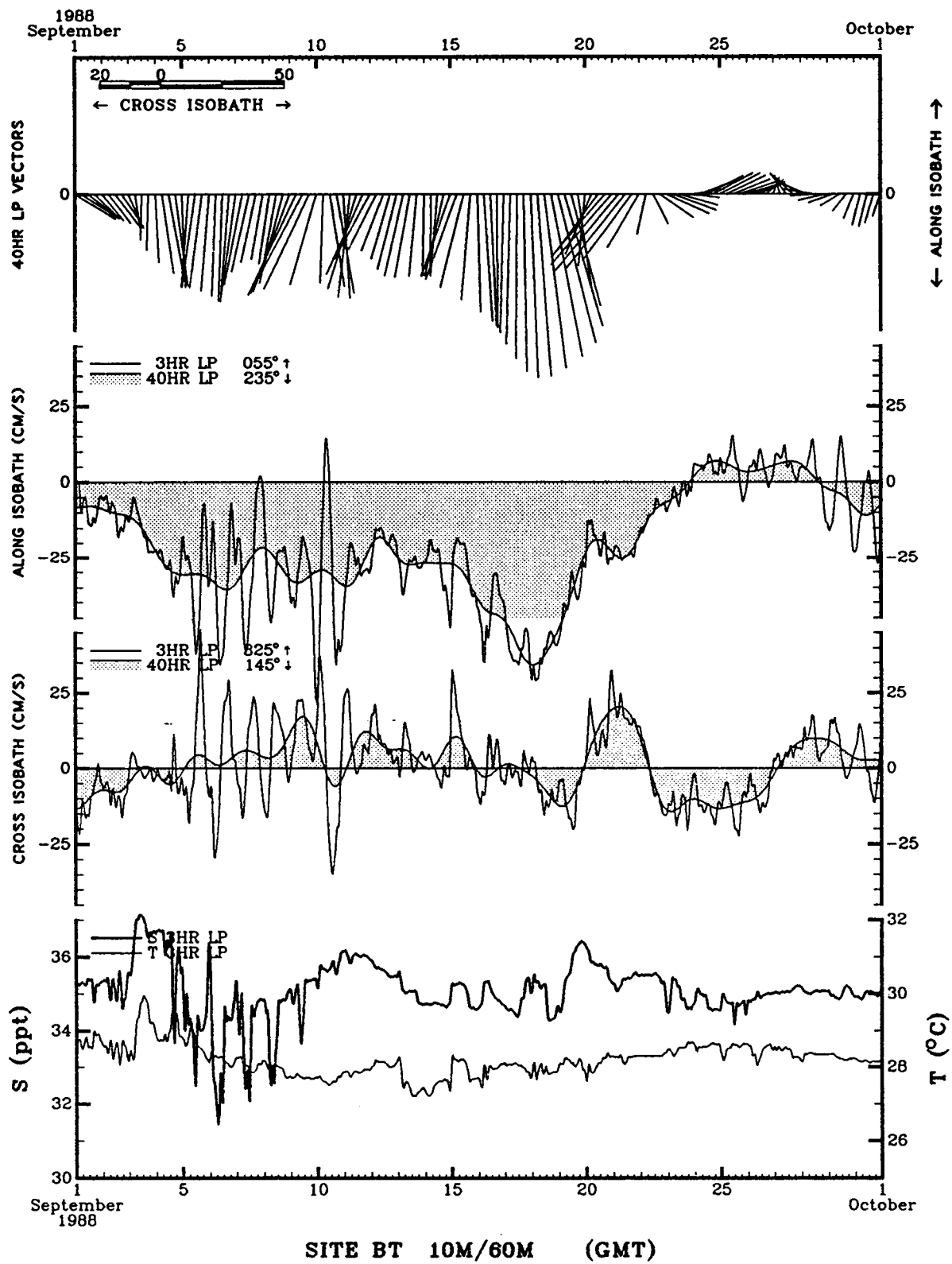


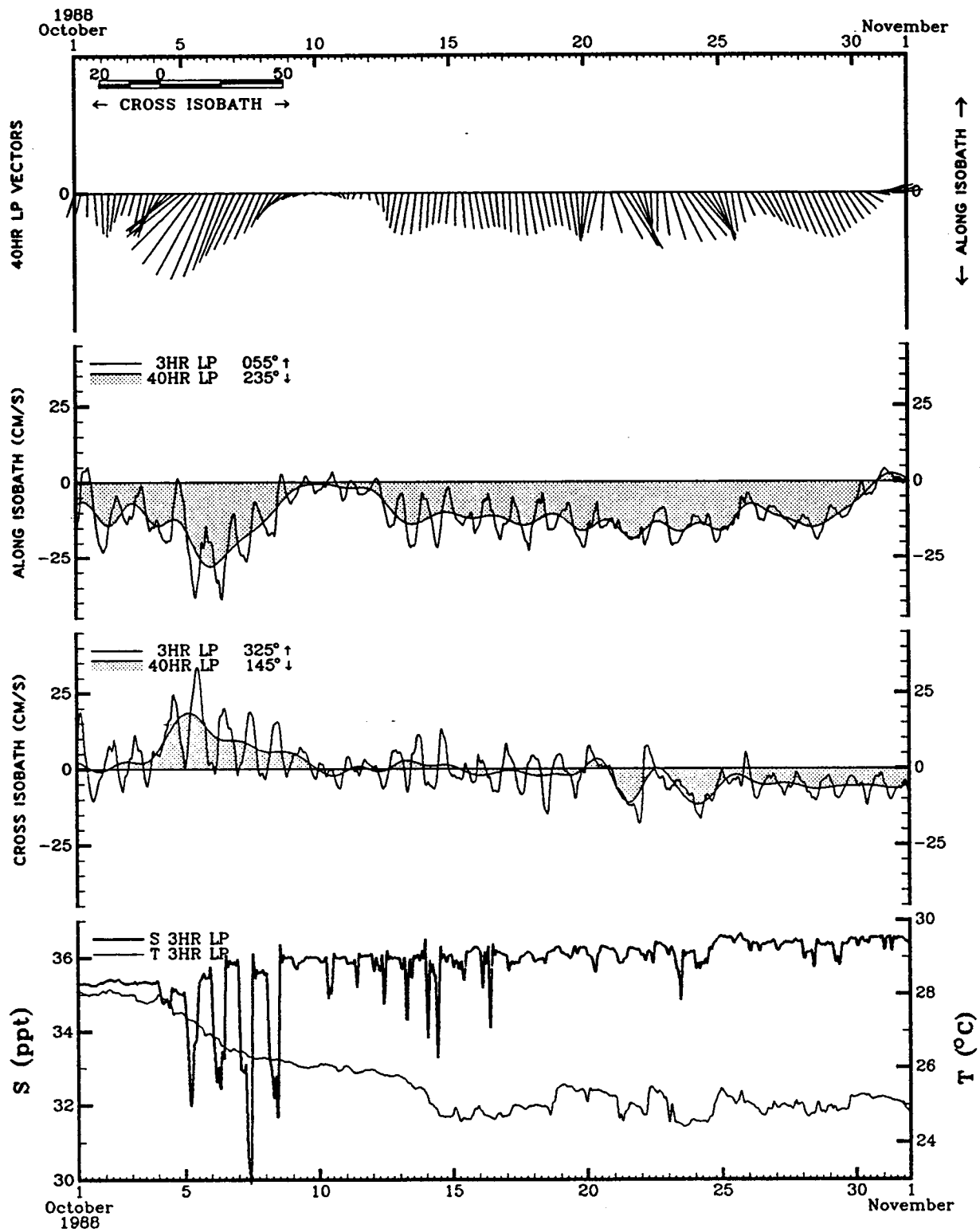




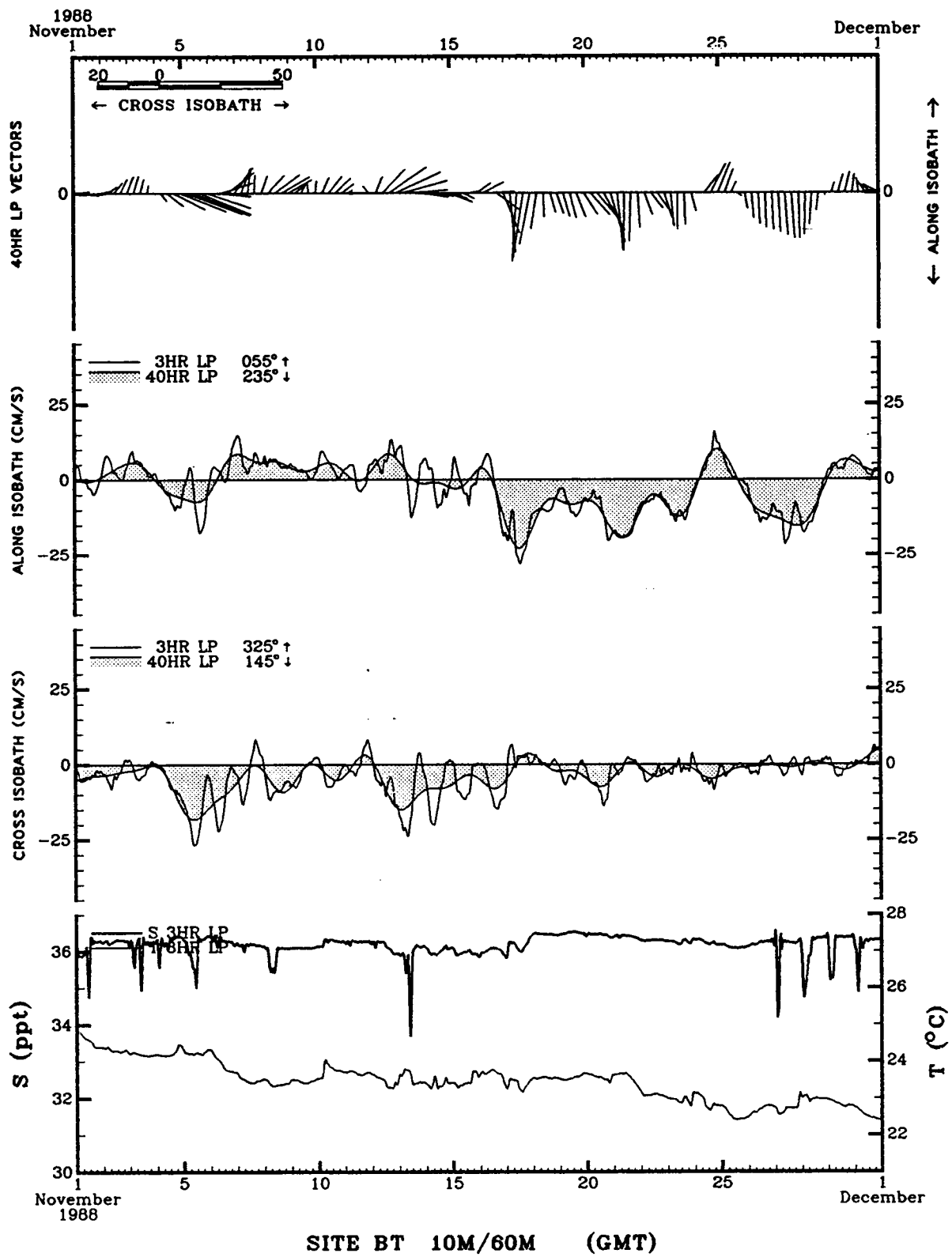


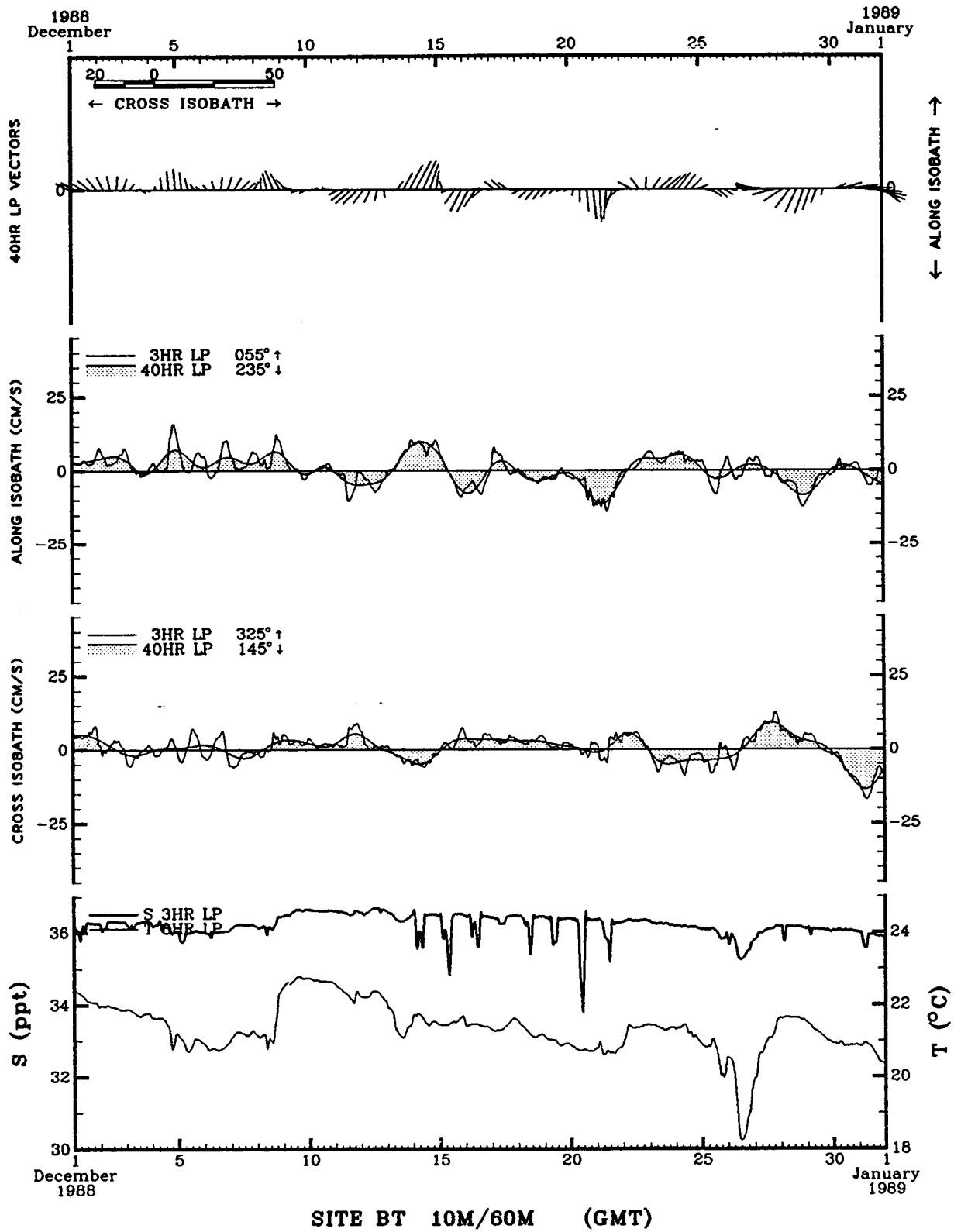
SITE BT 10M/60M (GMT)

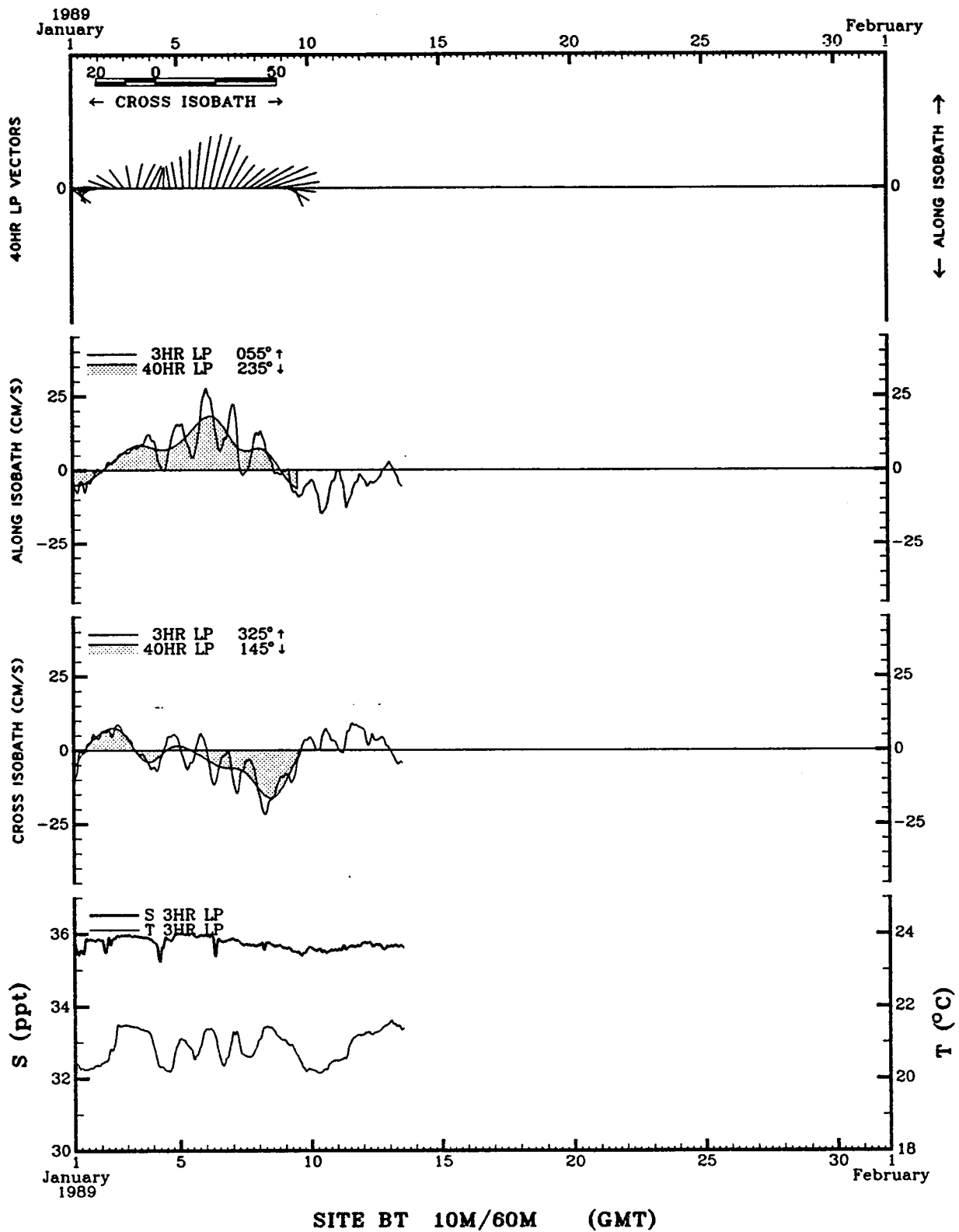


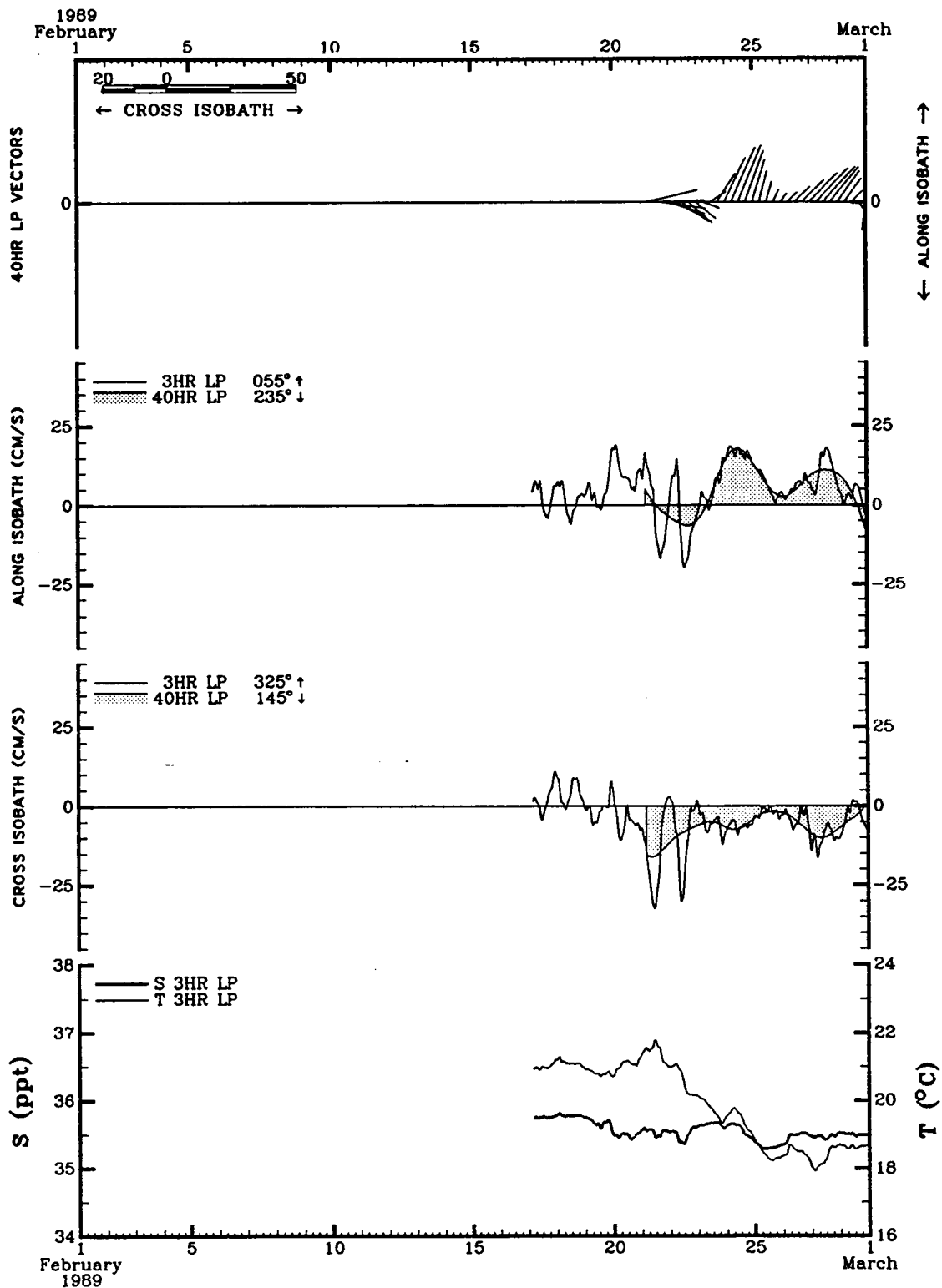


SITE BT 10M/60M (GMT)

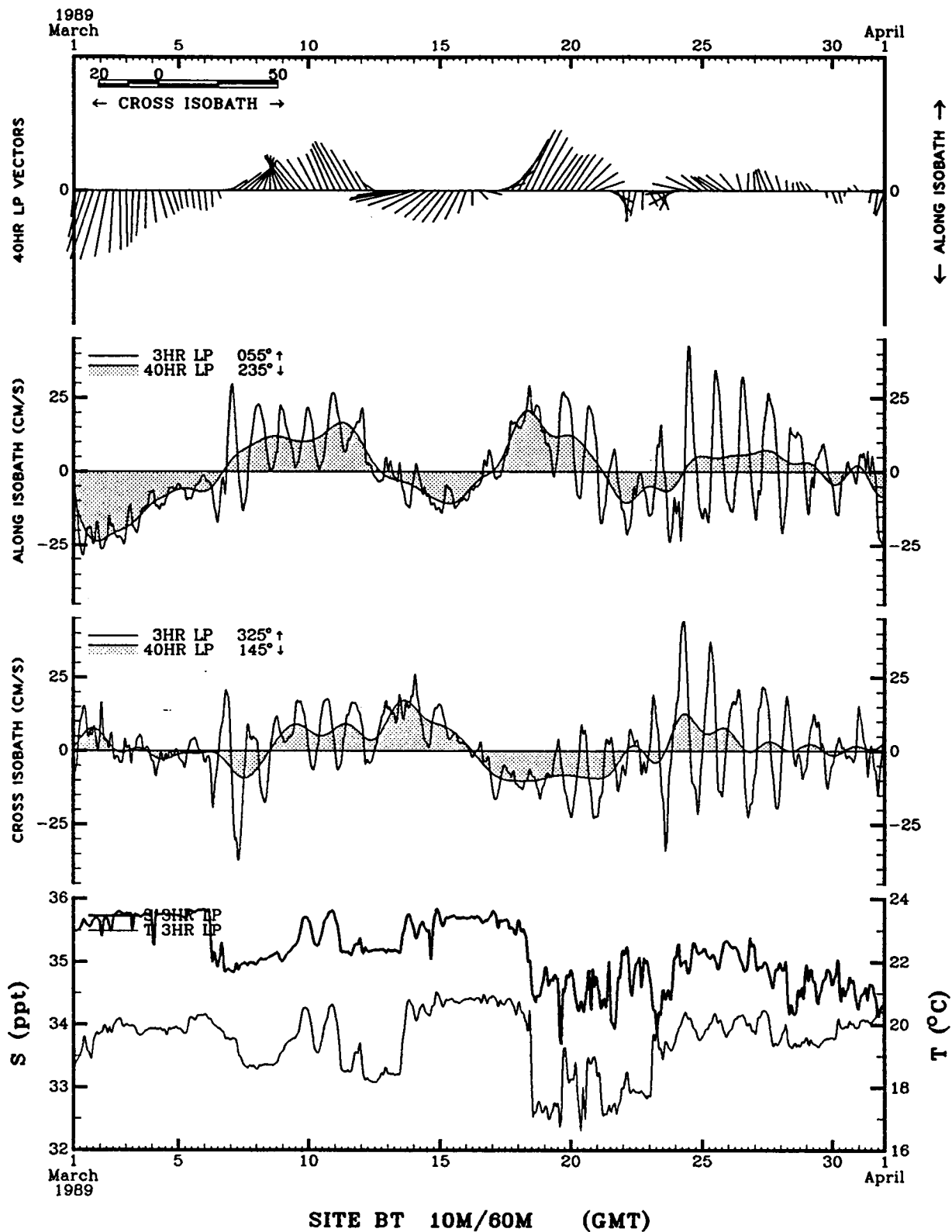


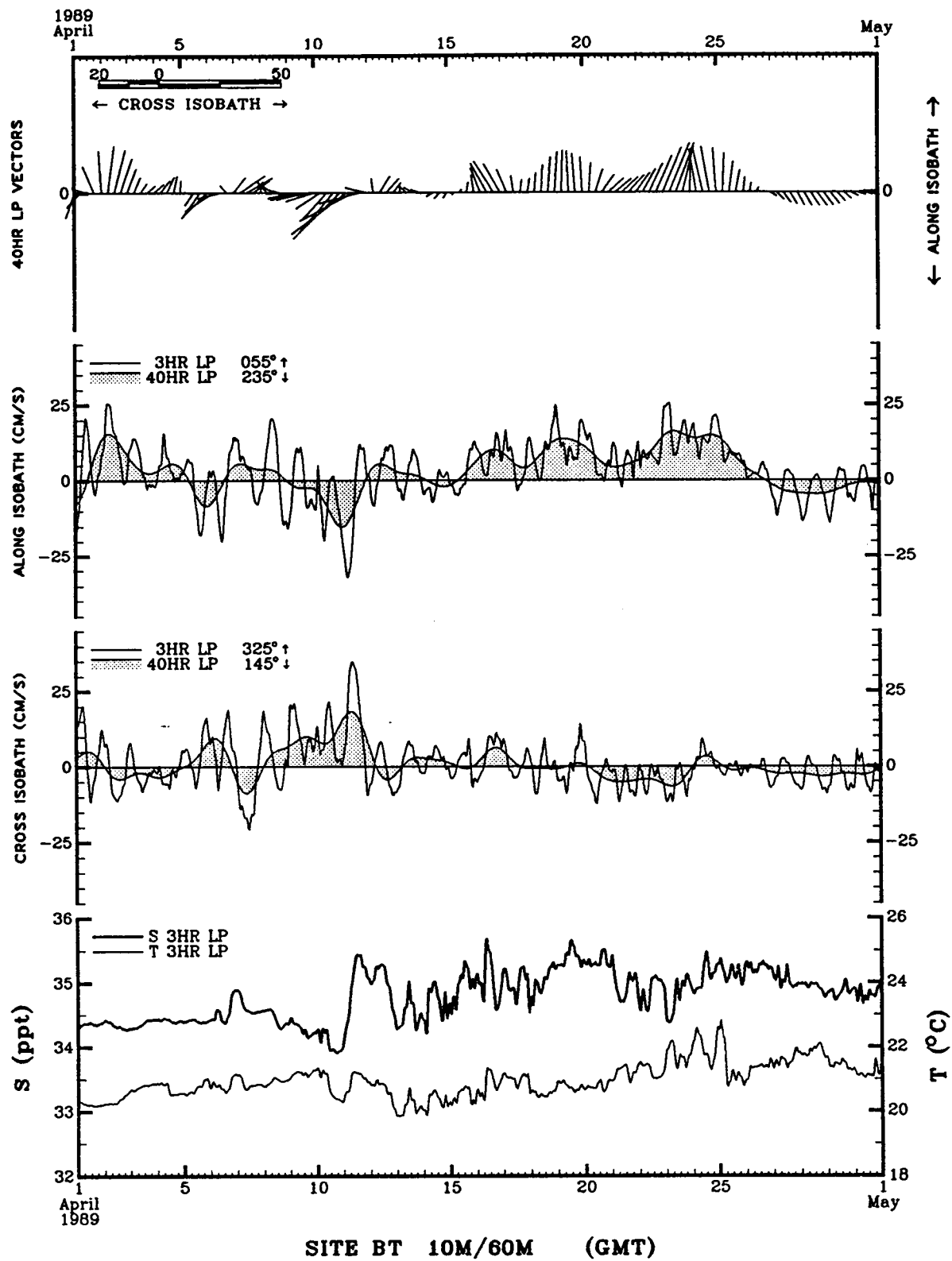


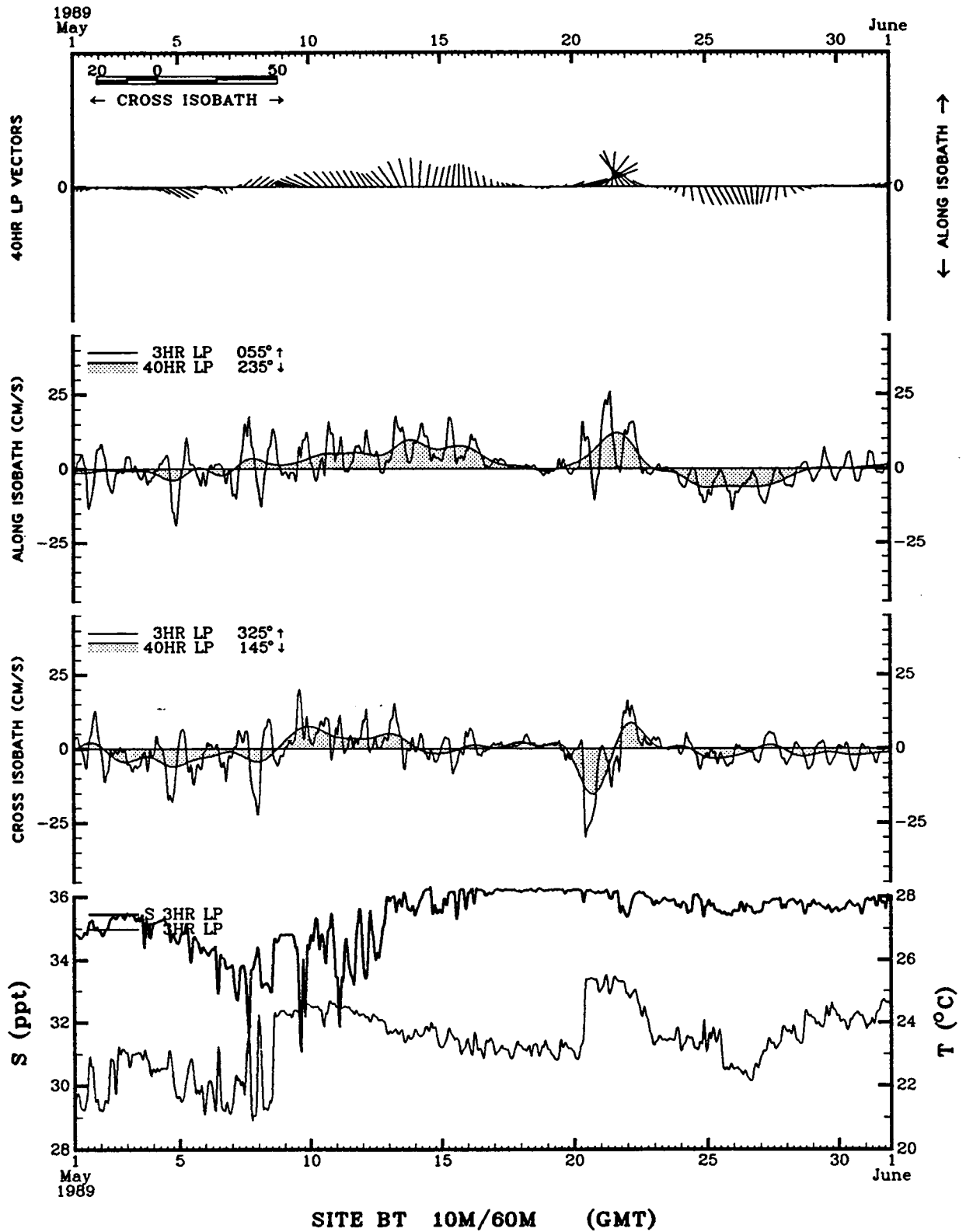


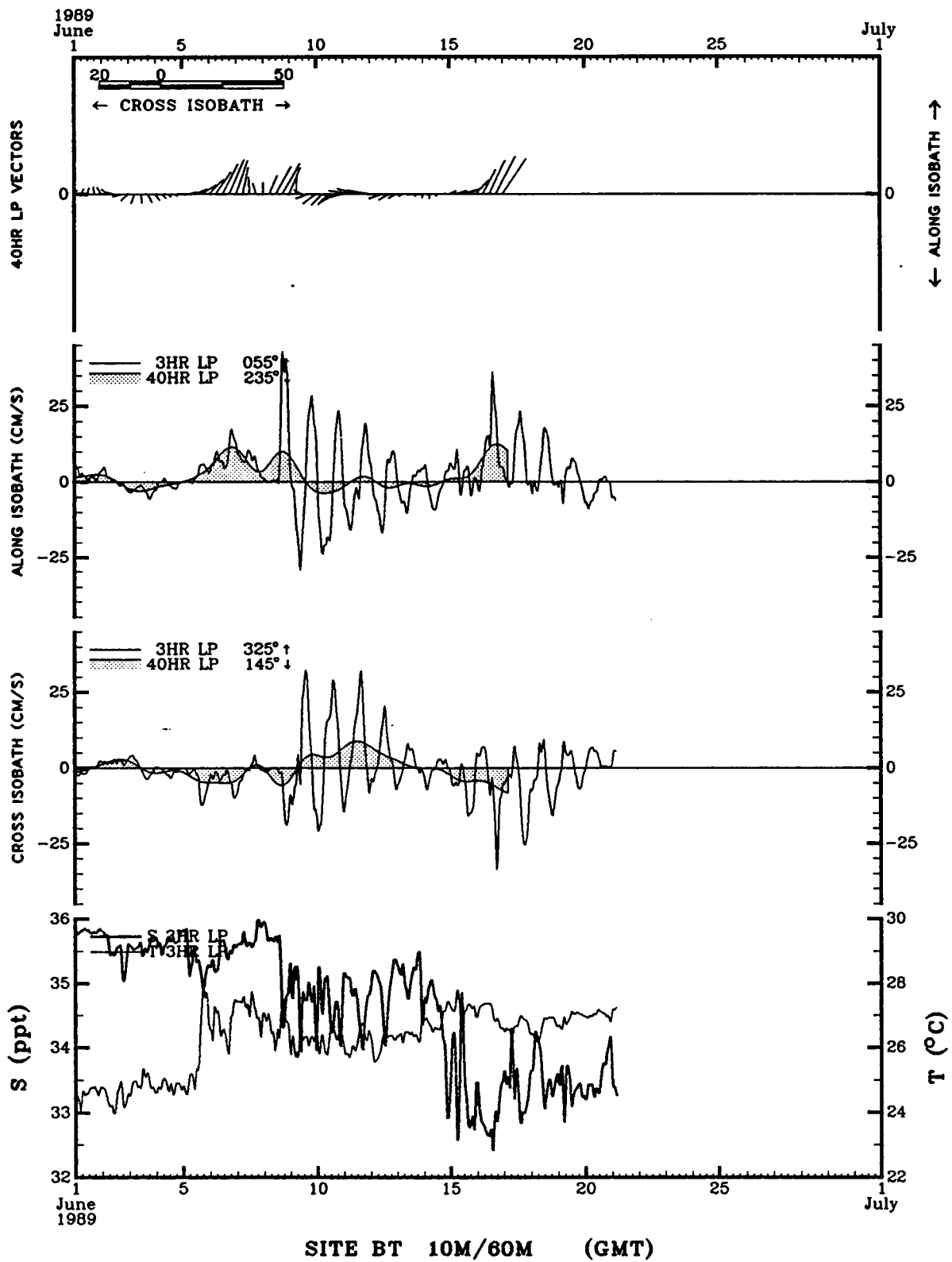


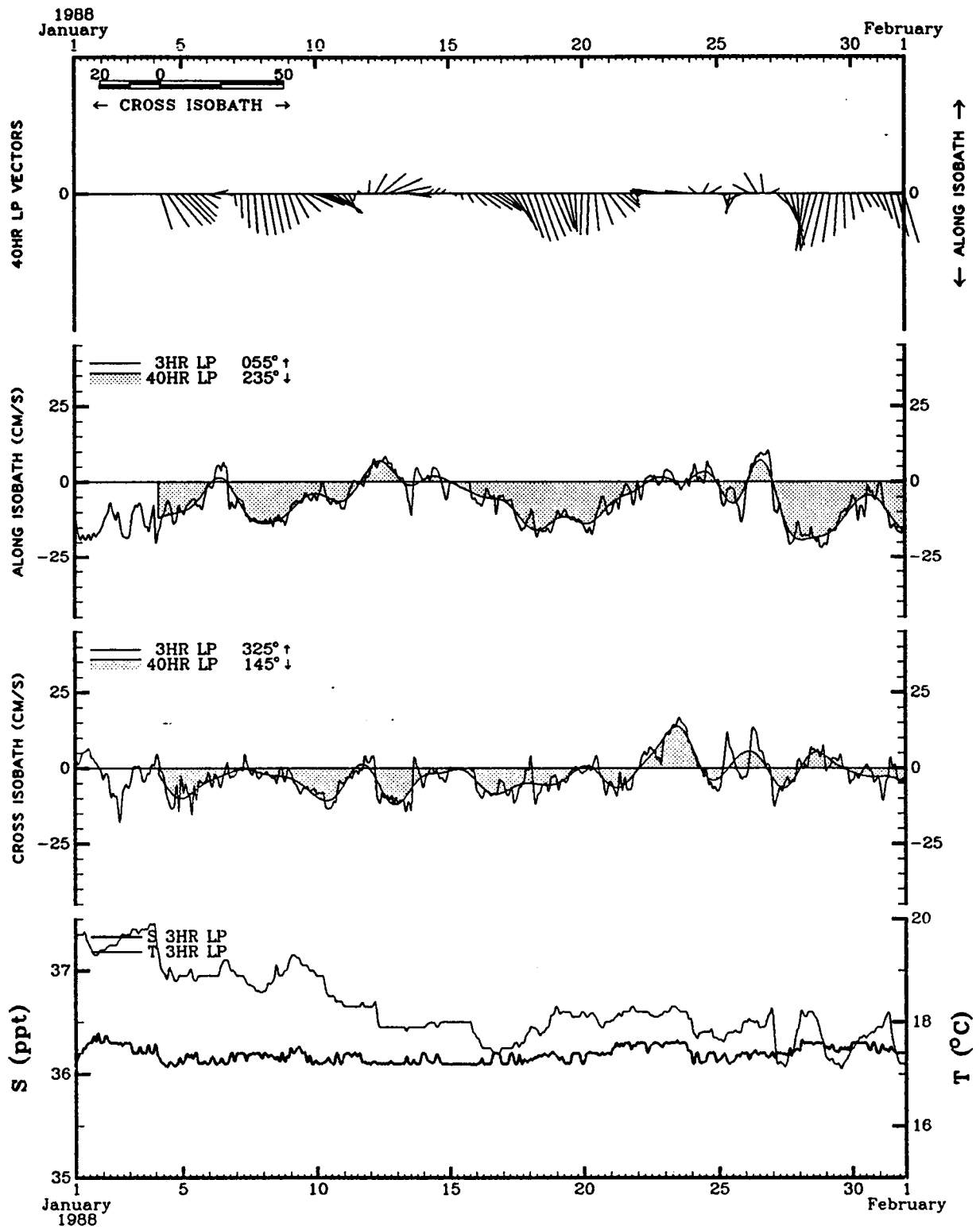
SITE BT 10M/60M (GMT)



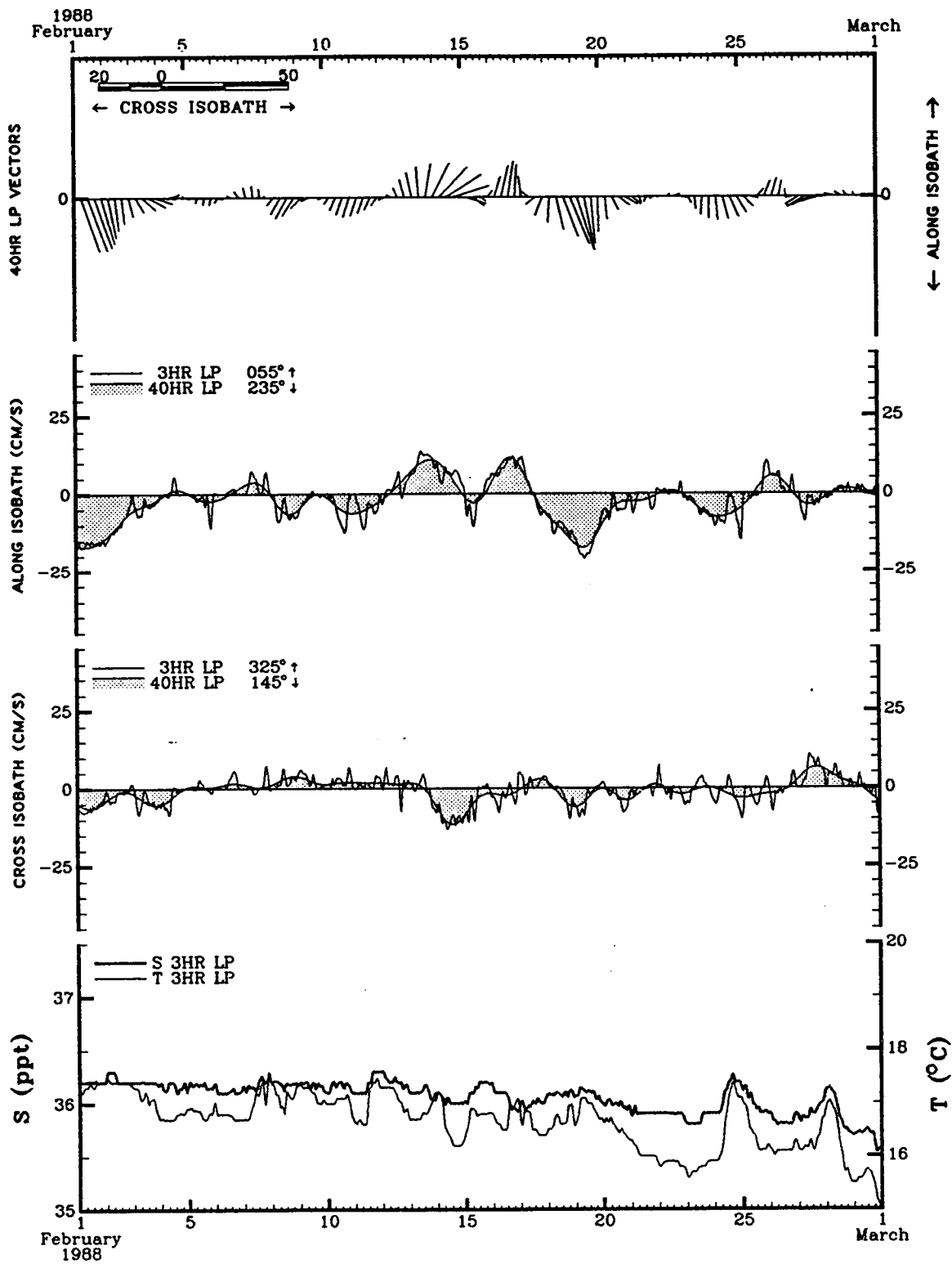




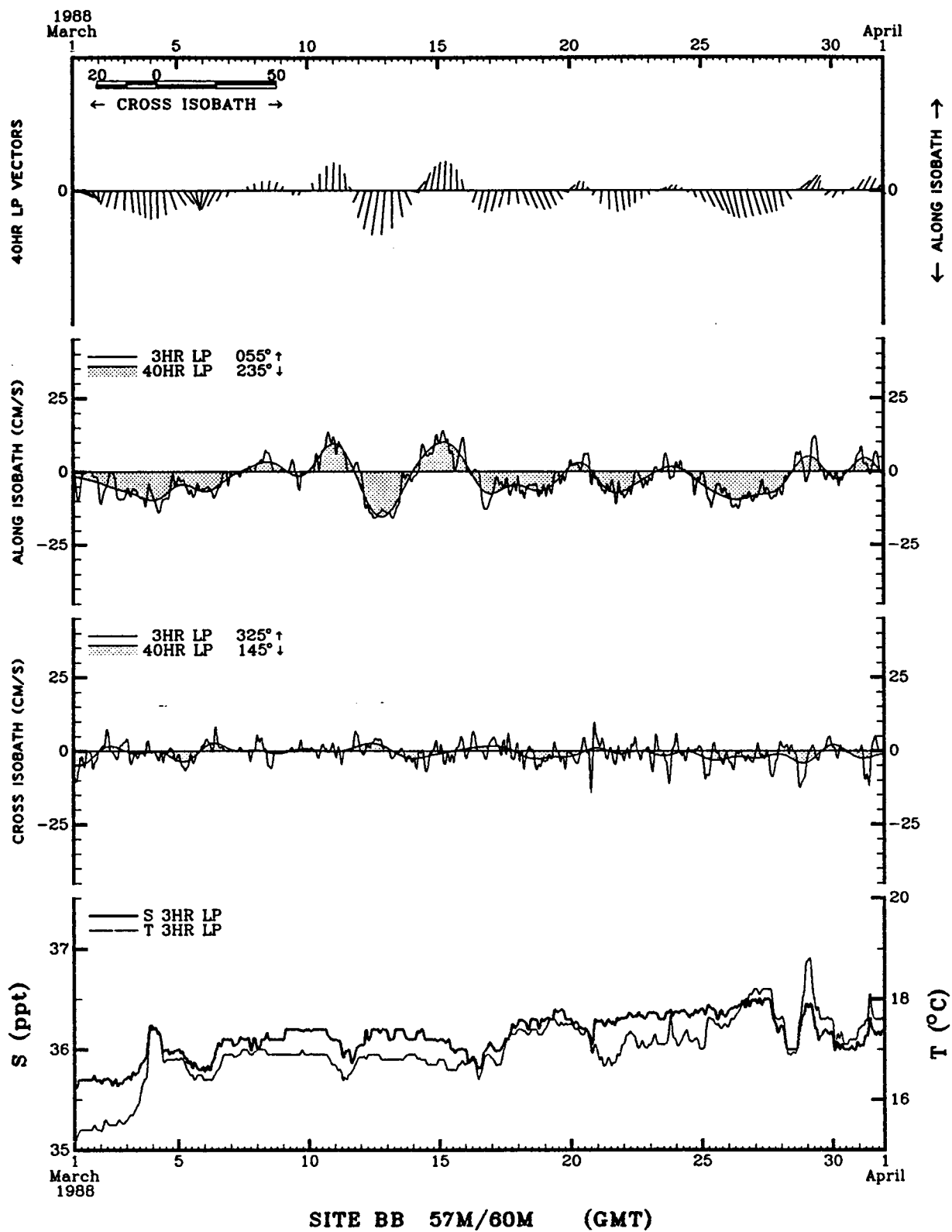


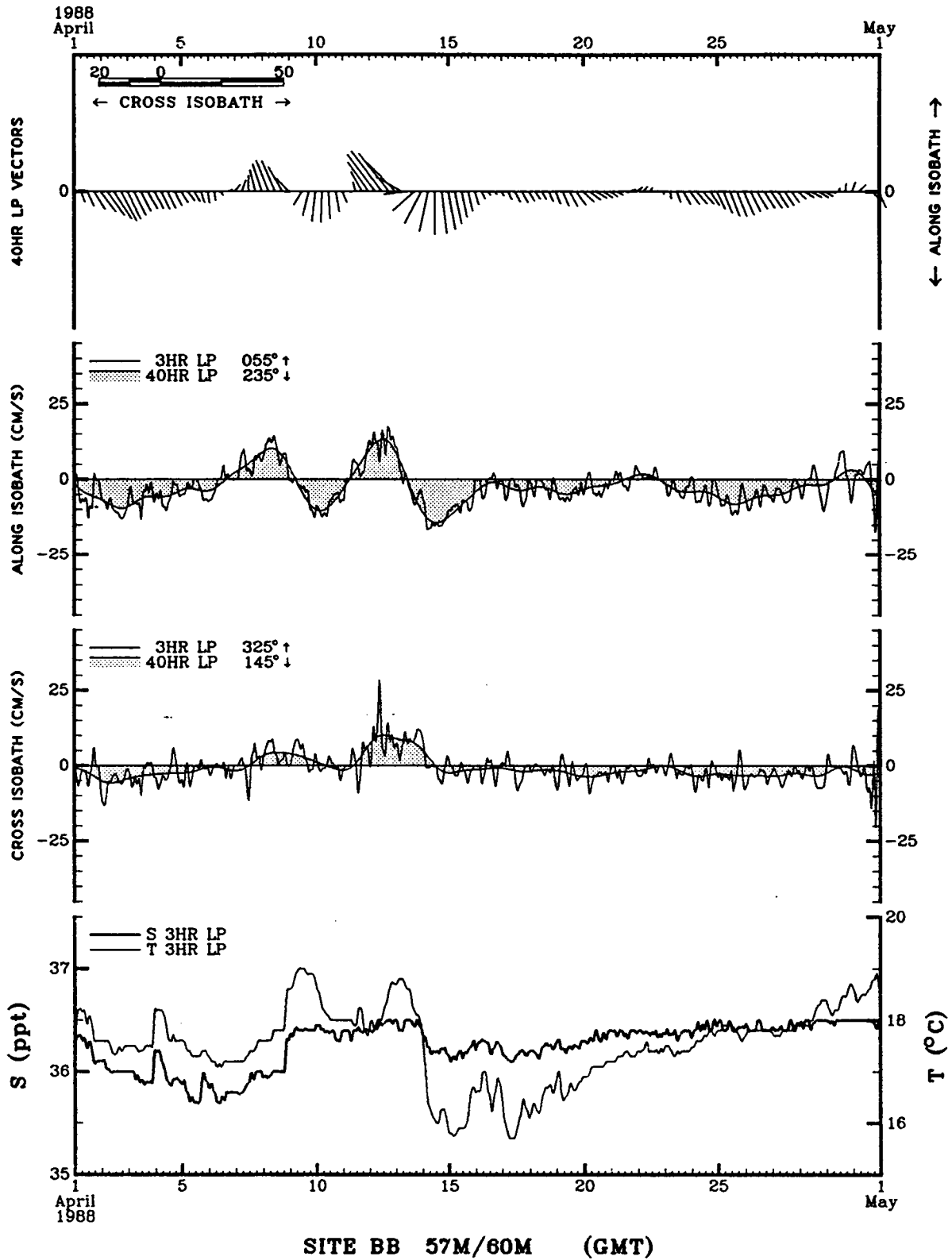


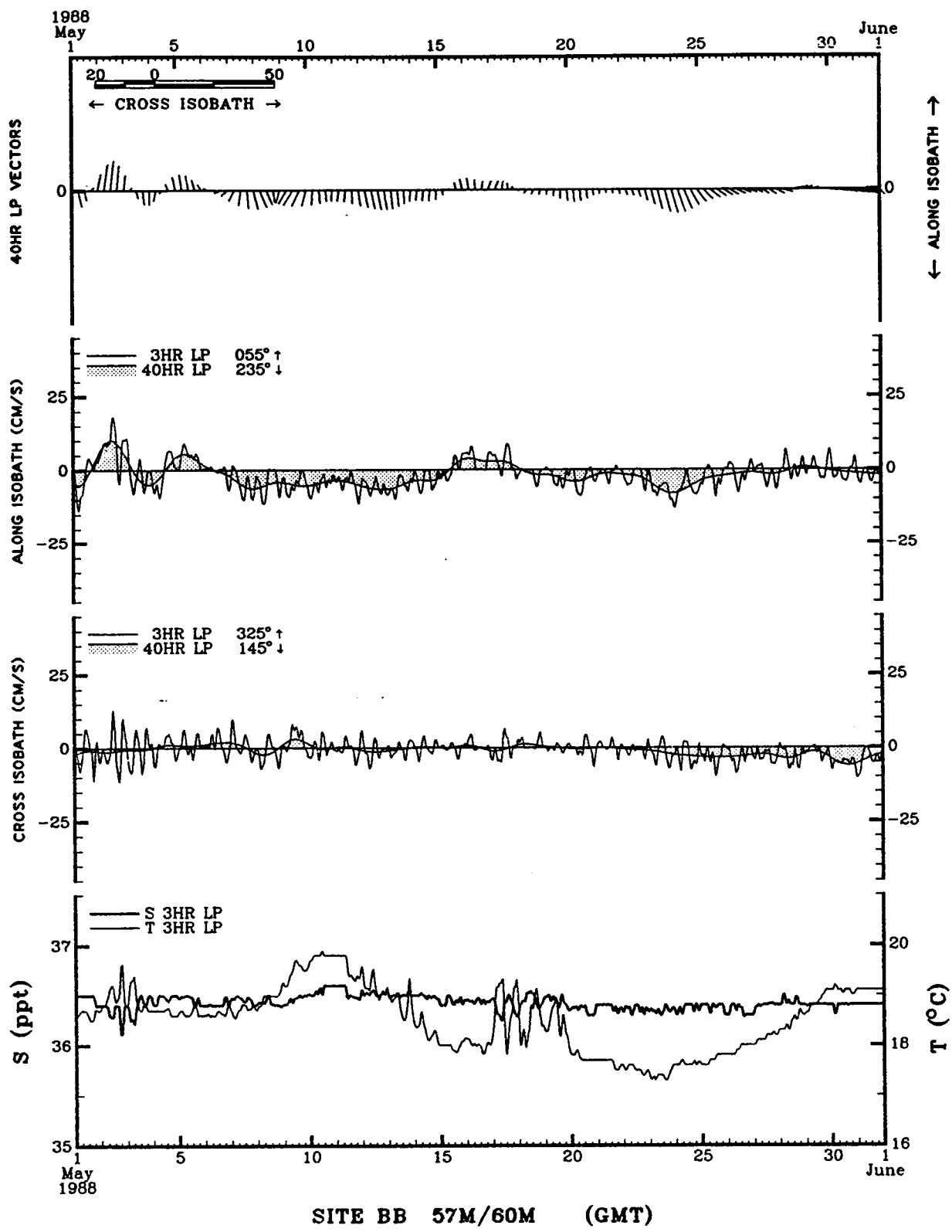
SITE BB 57M/60M (GMT)

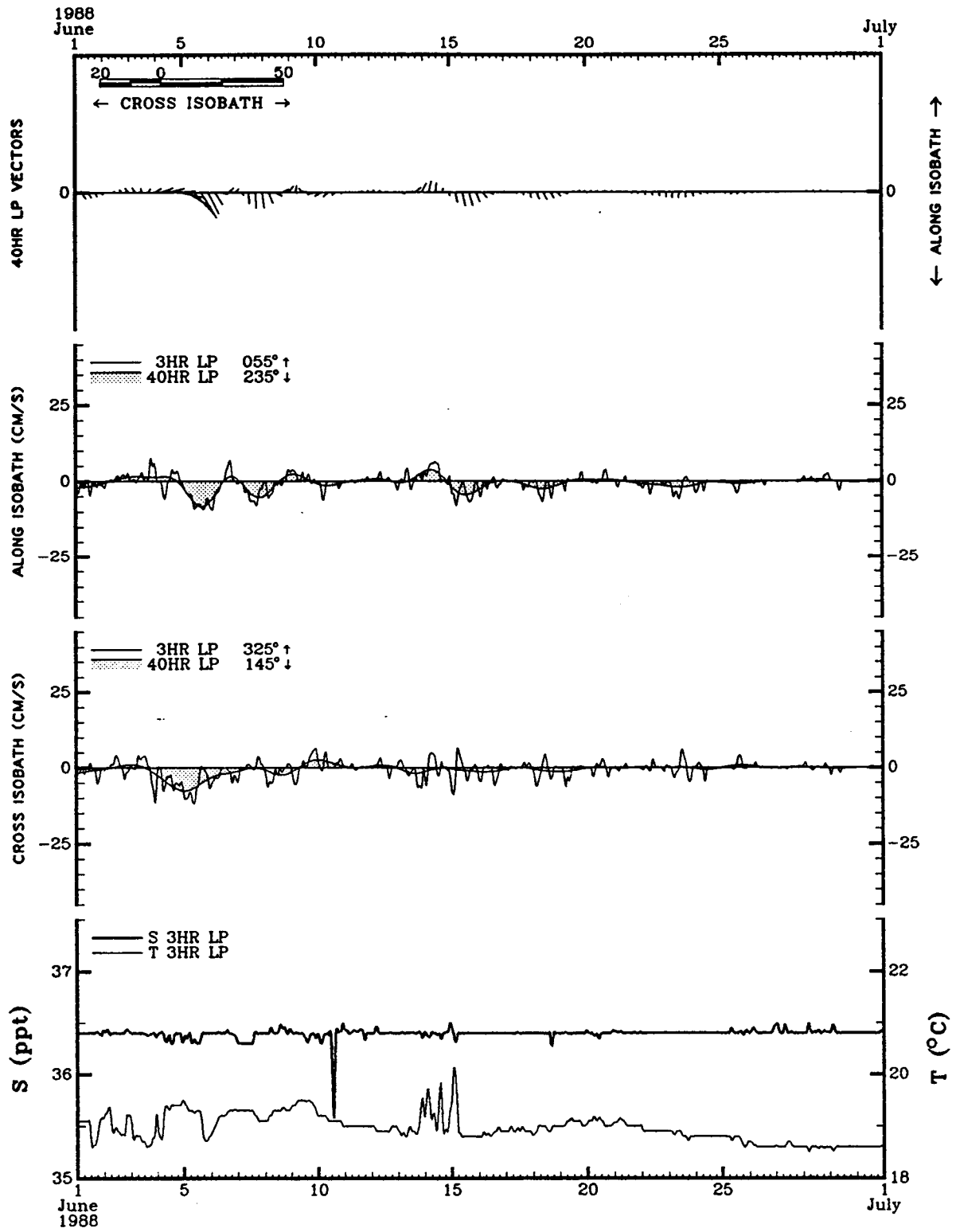


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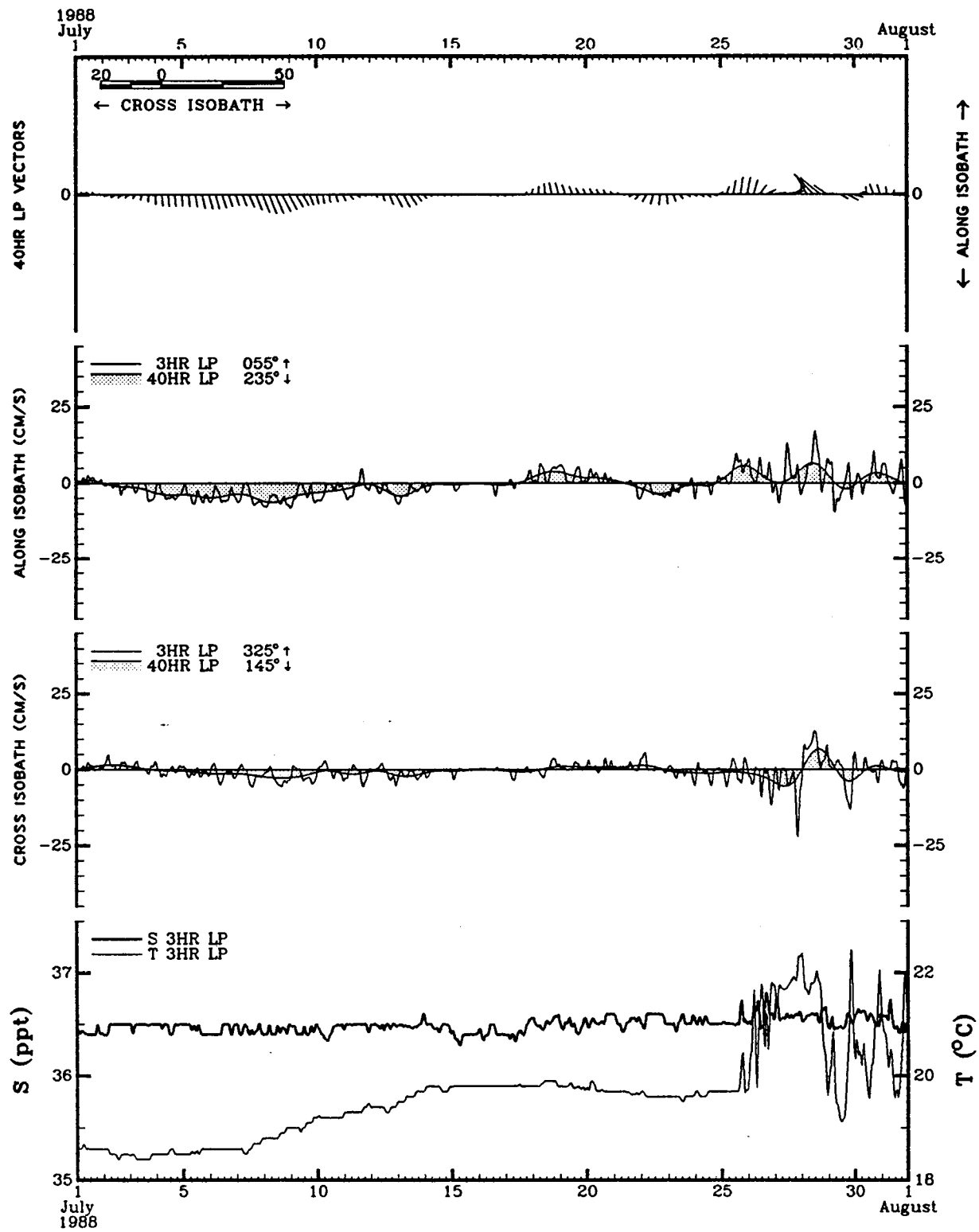




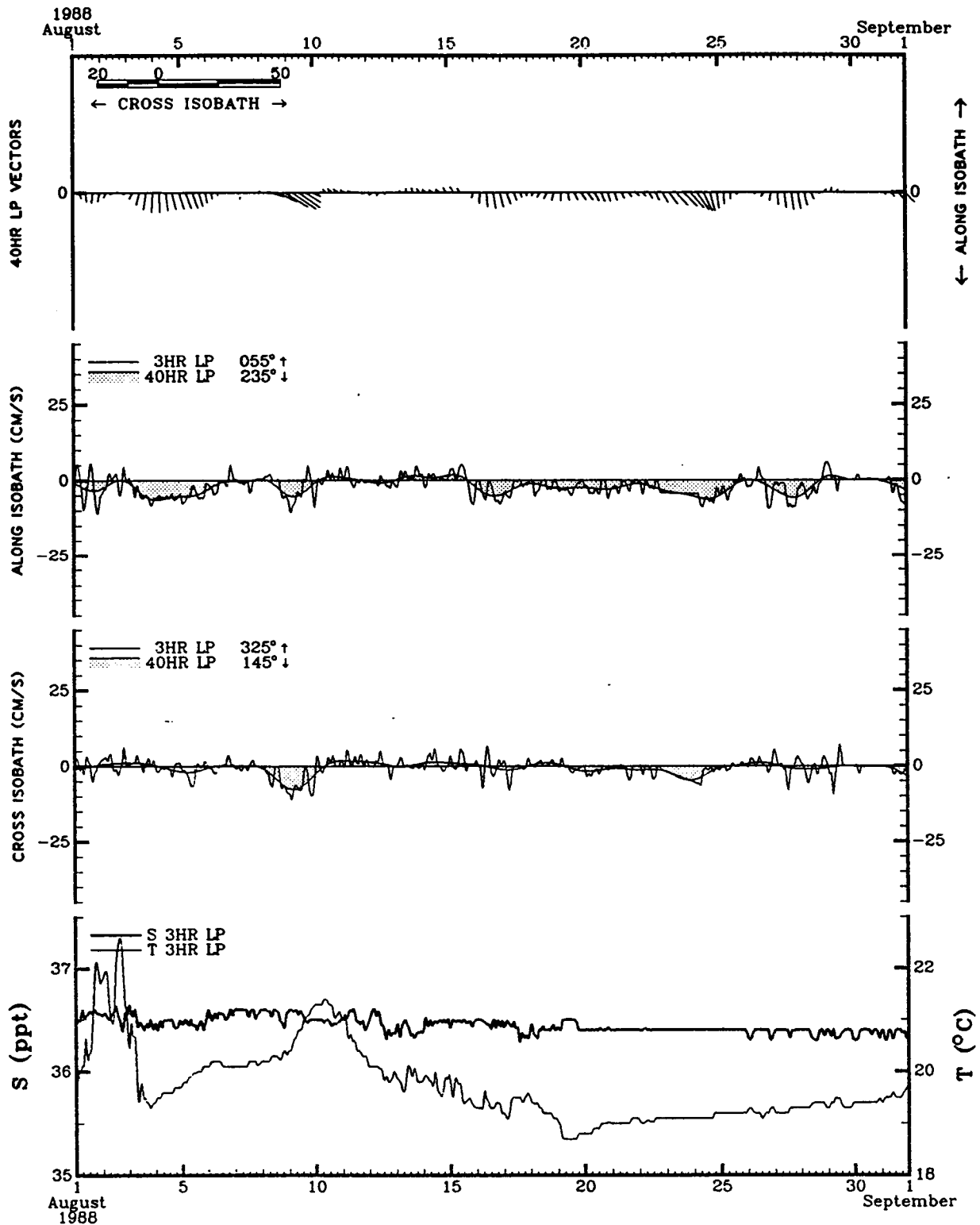




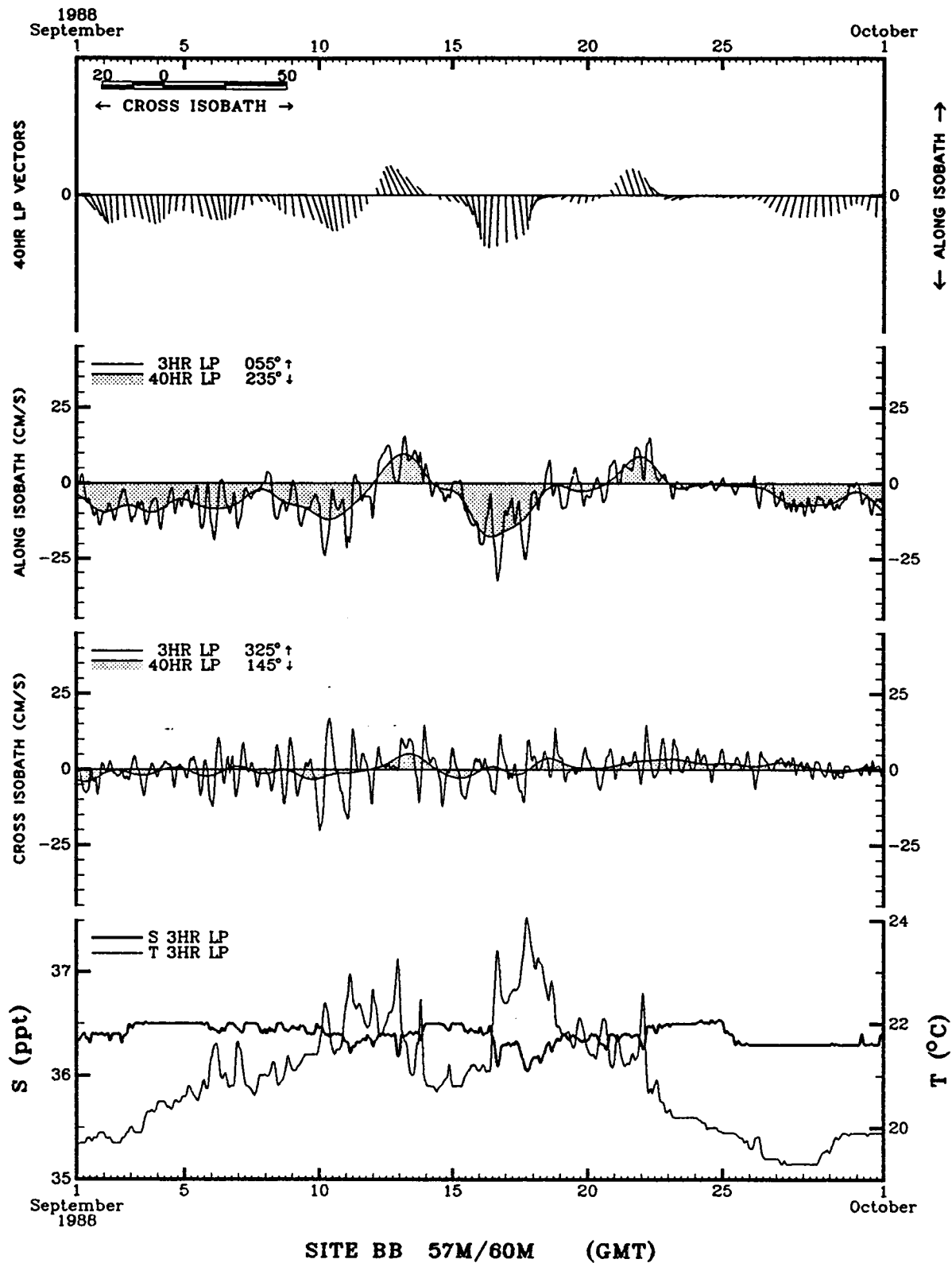
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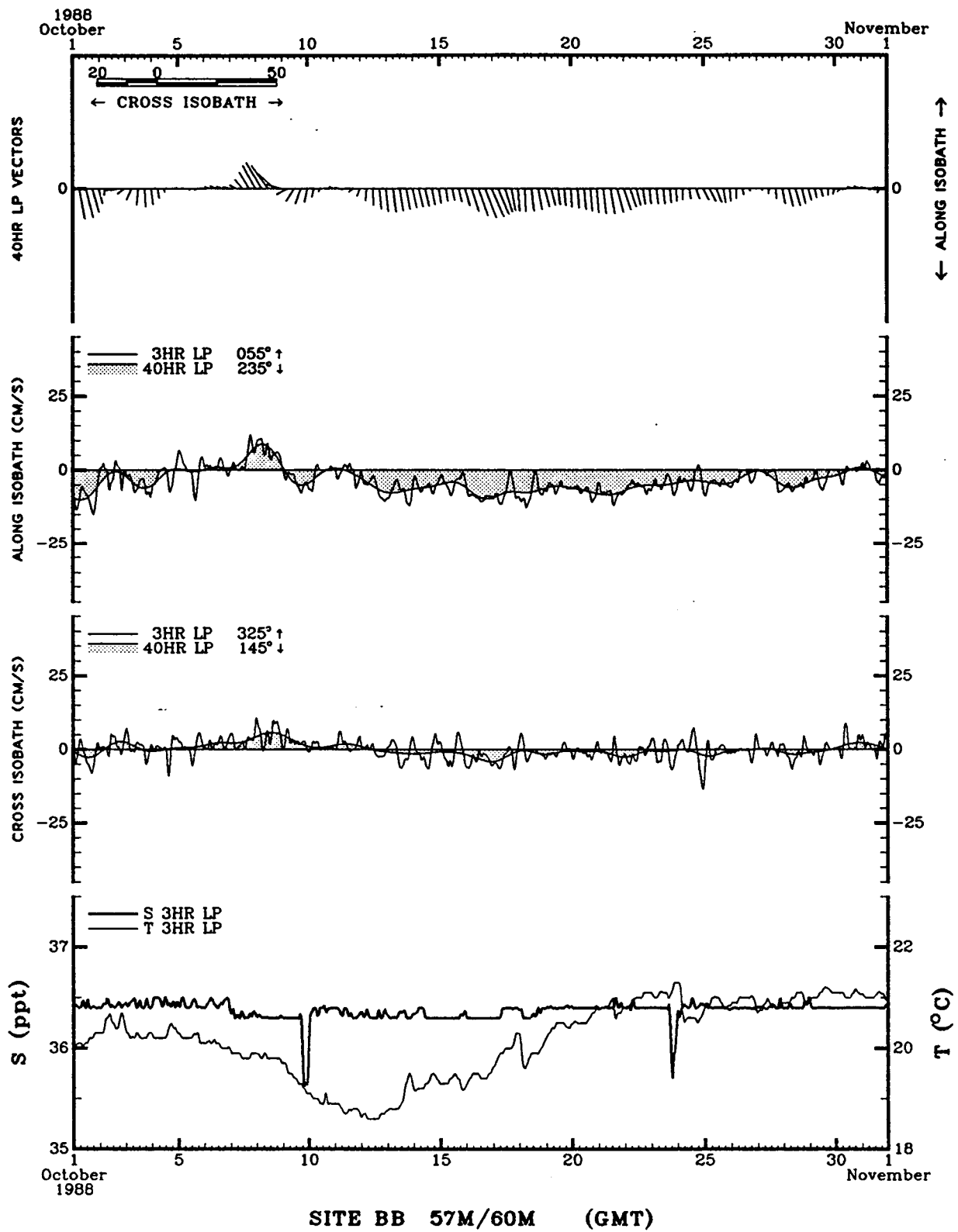


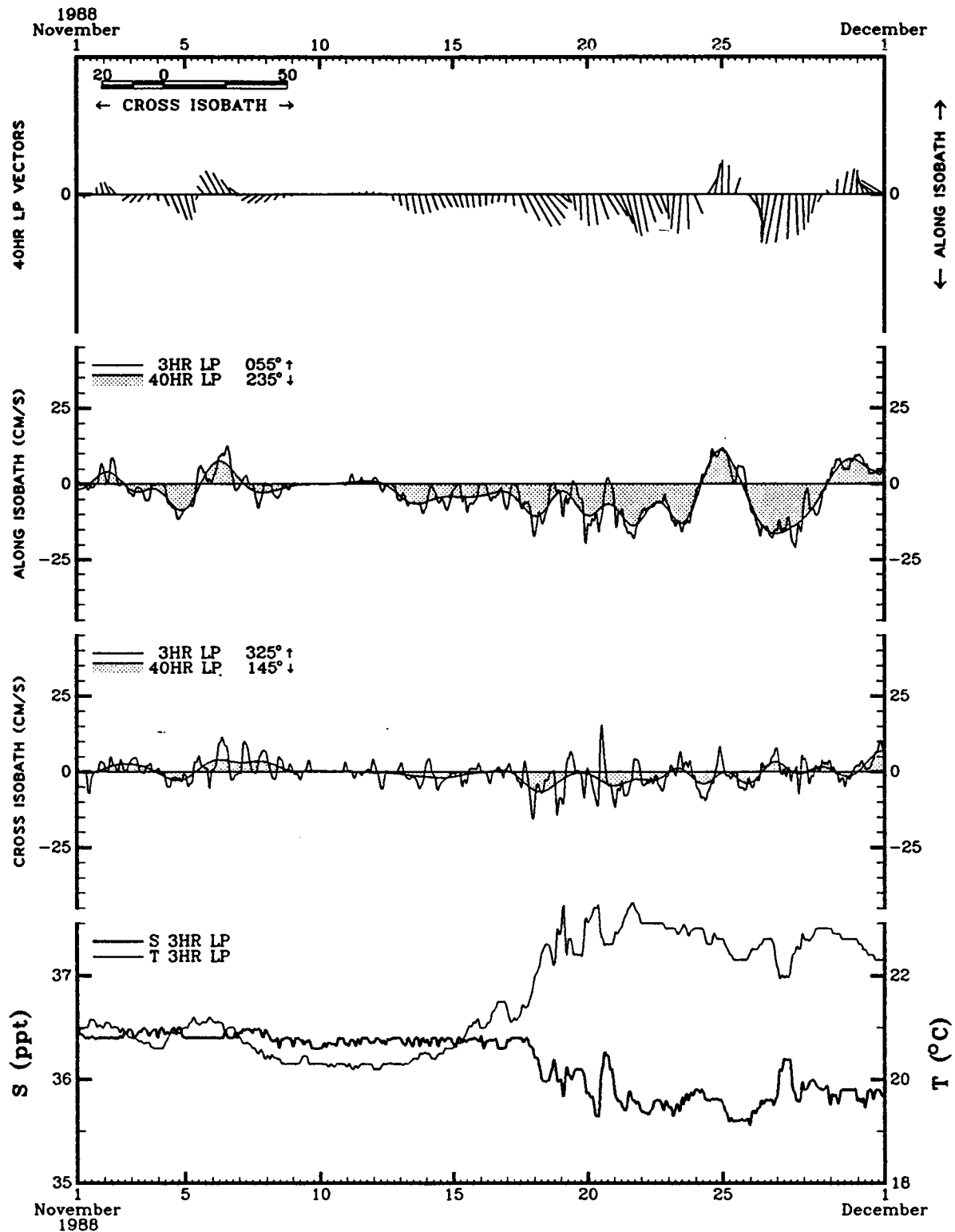
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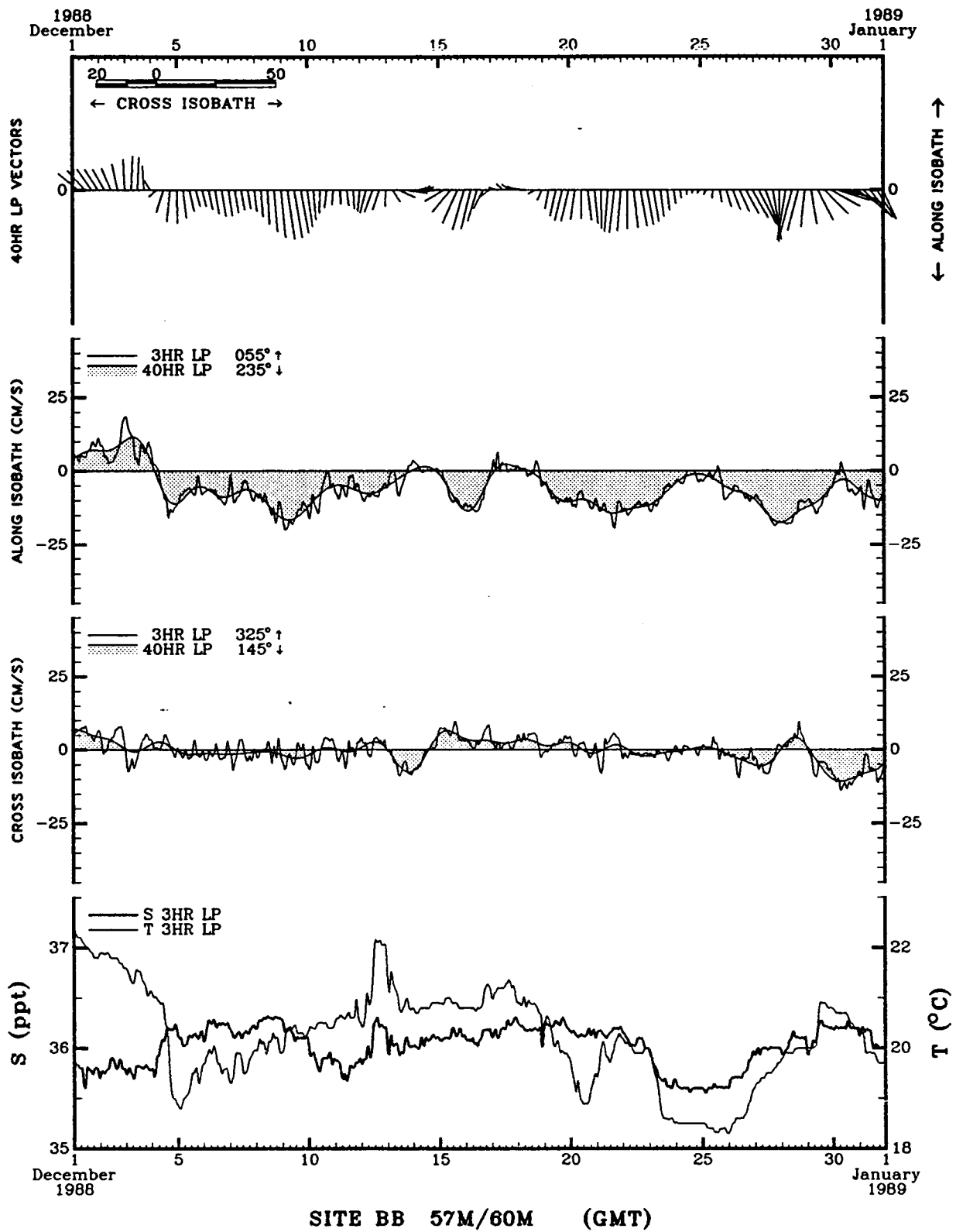
SITE BB 57M/60M (GMT)

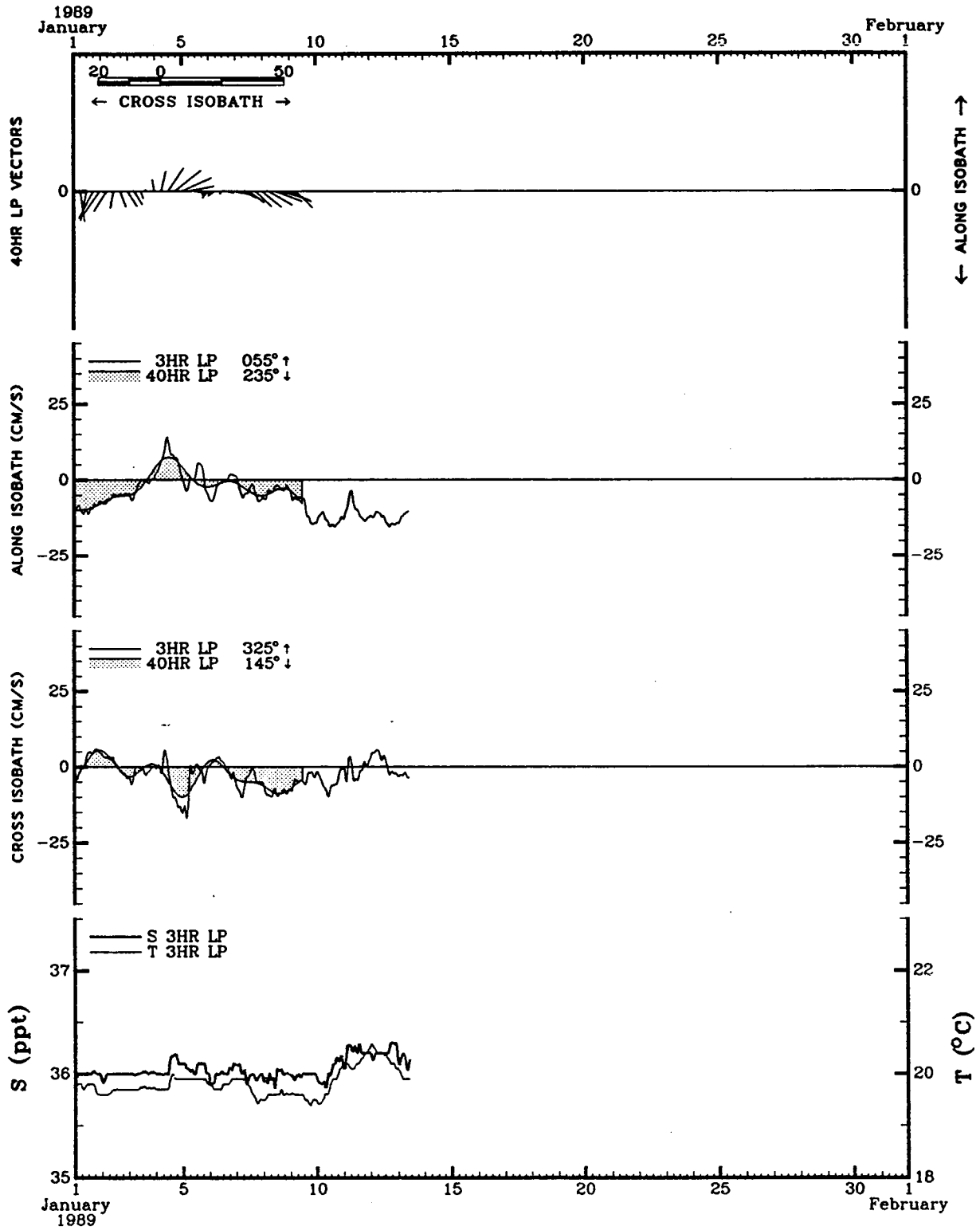




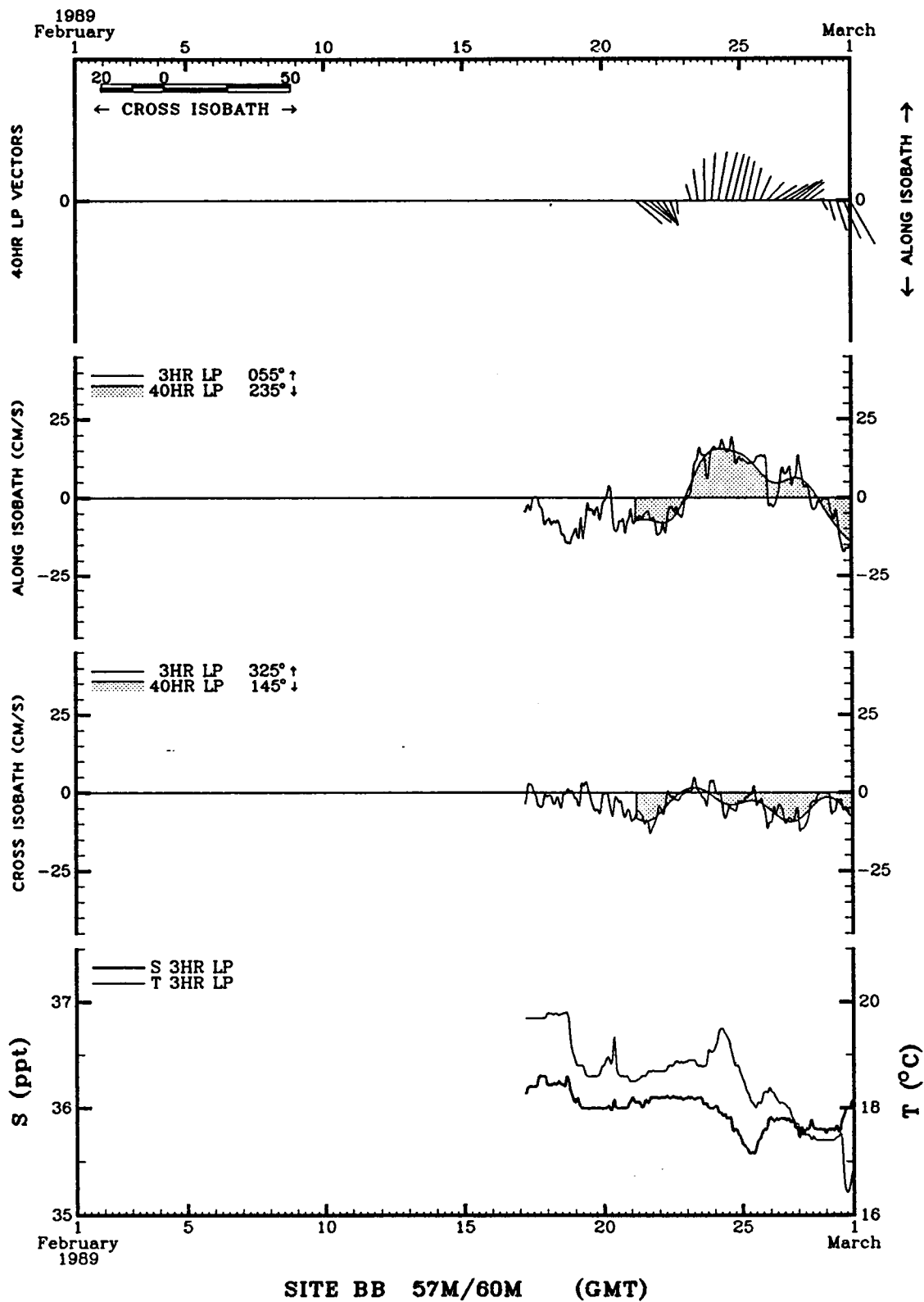


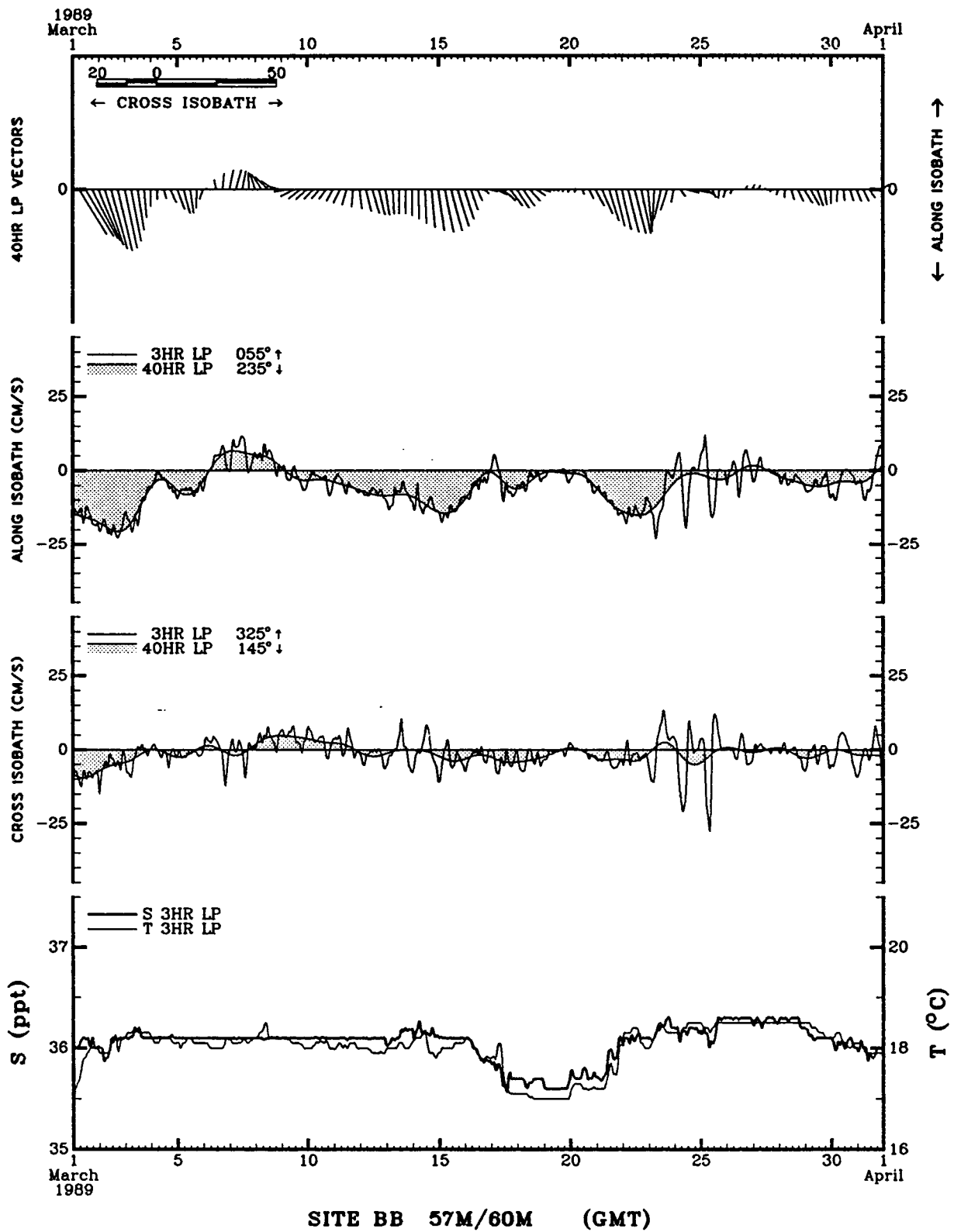
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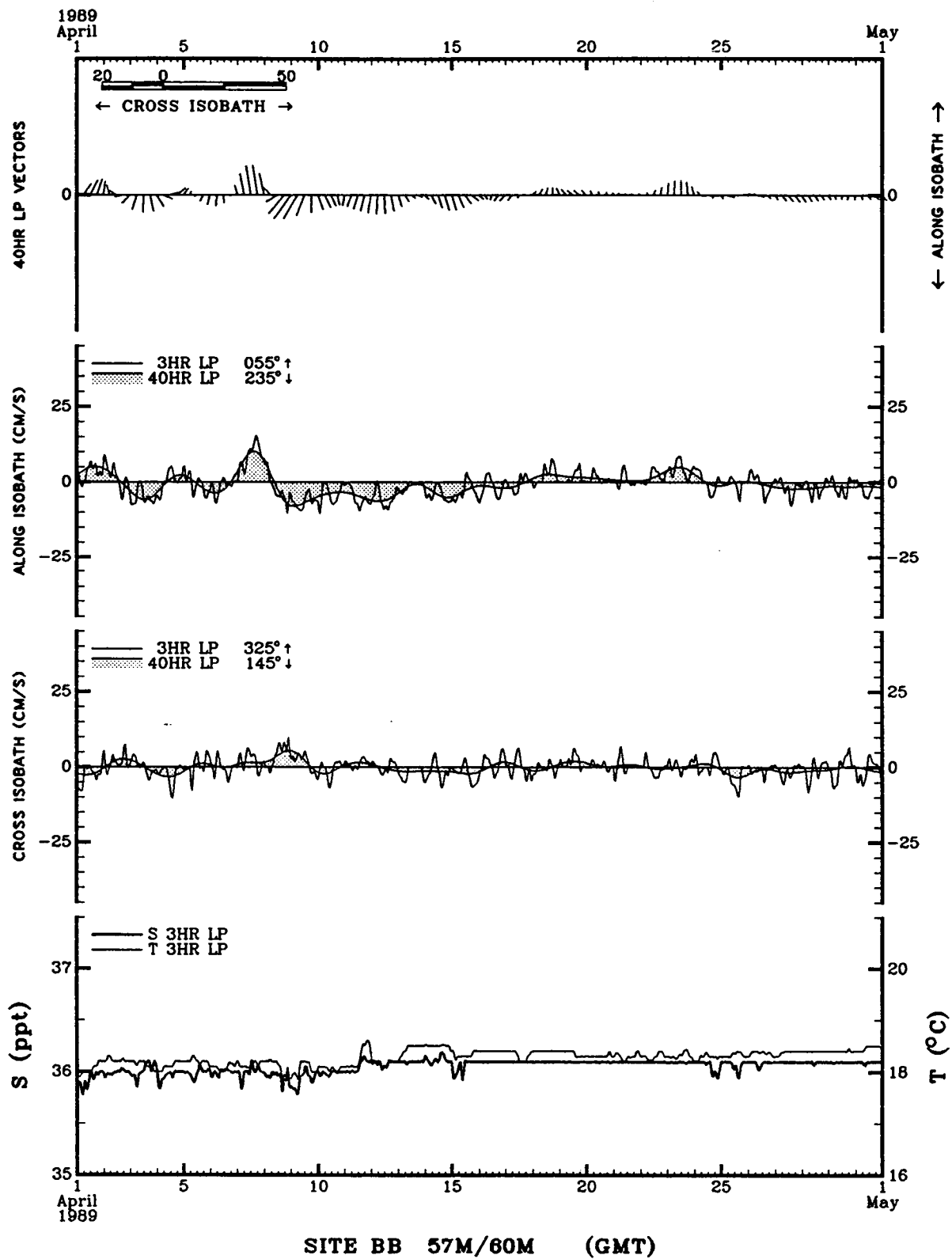


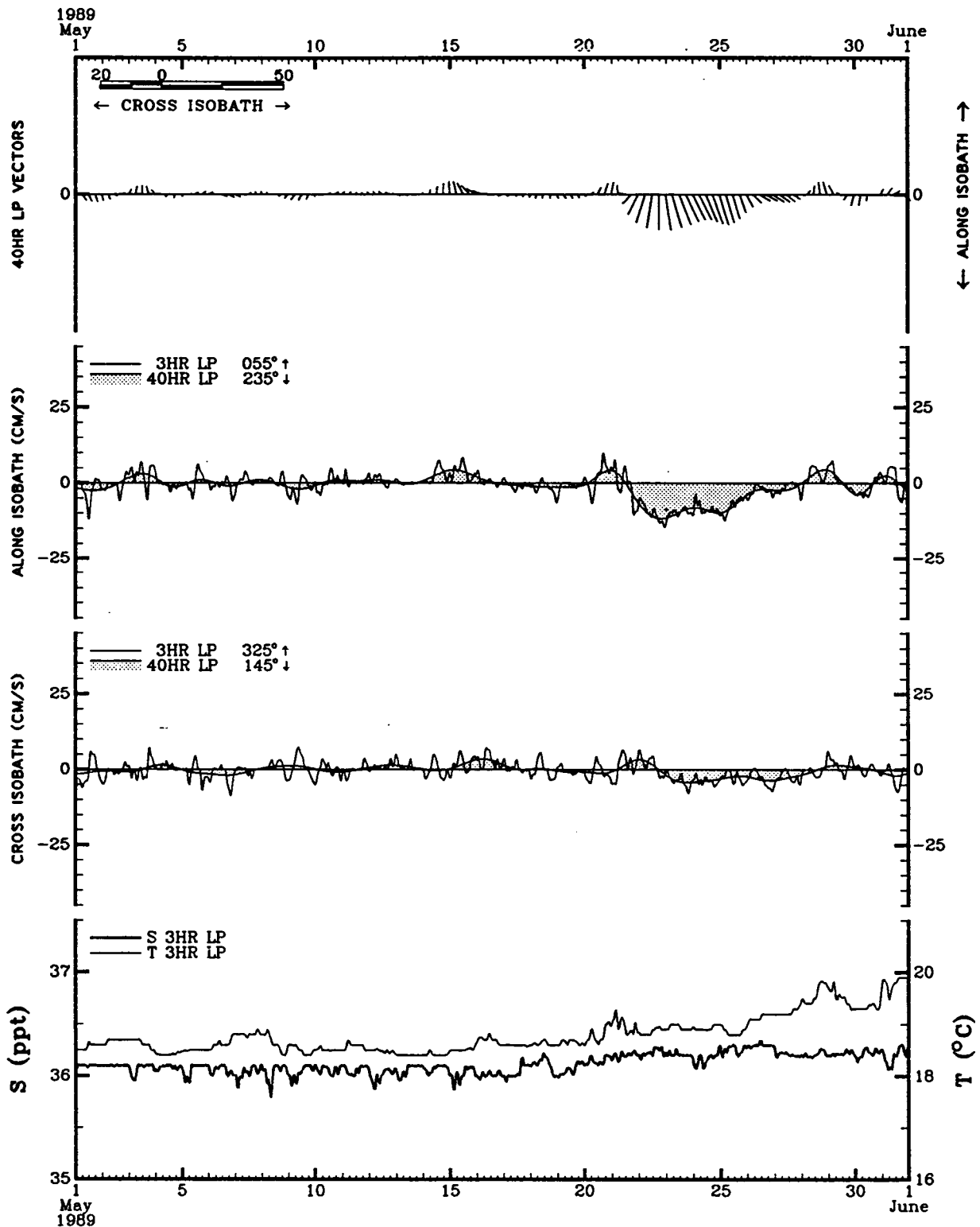


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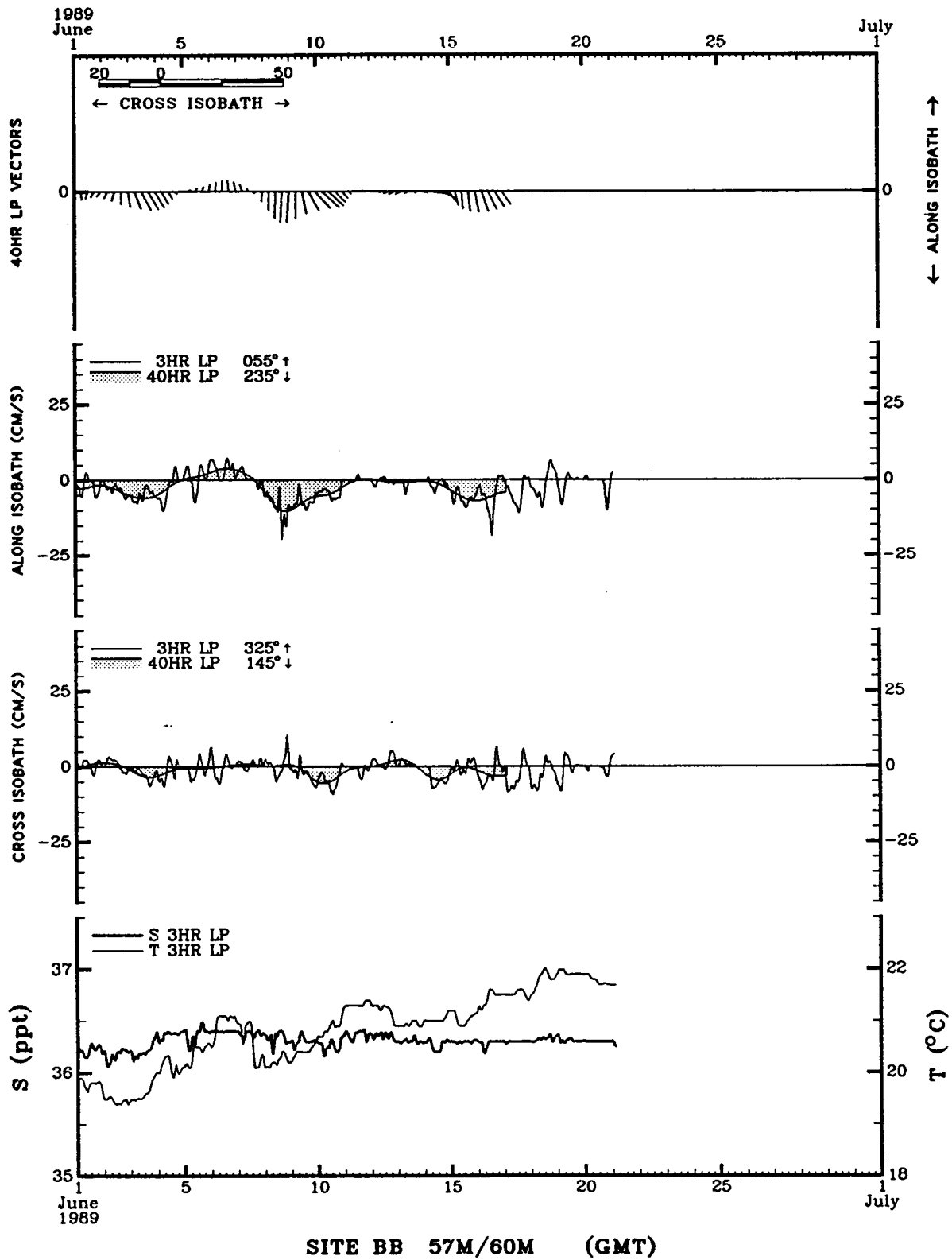


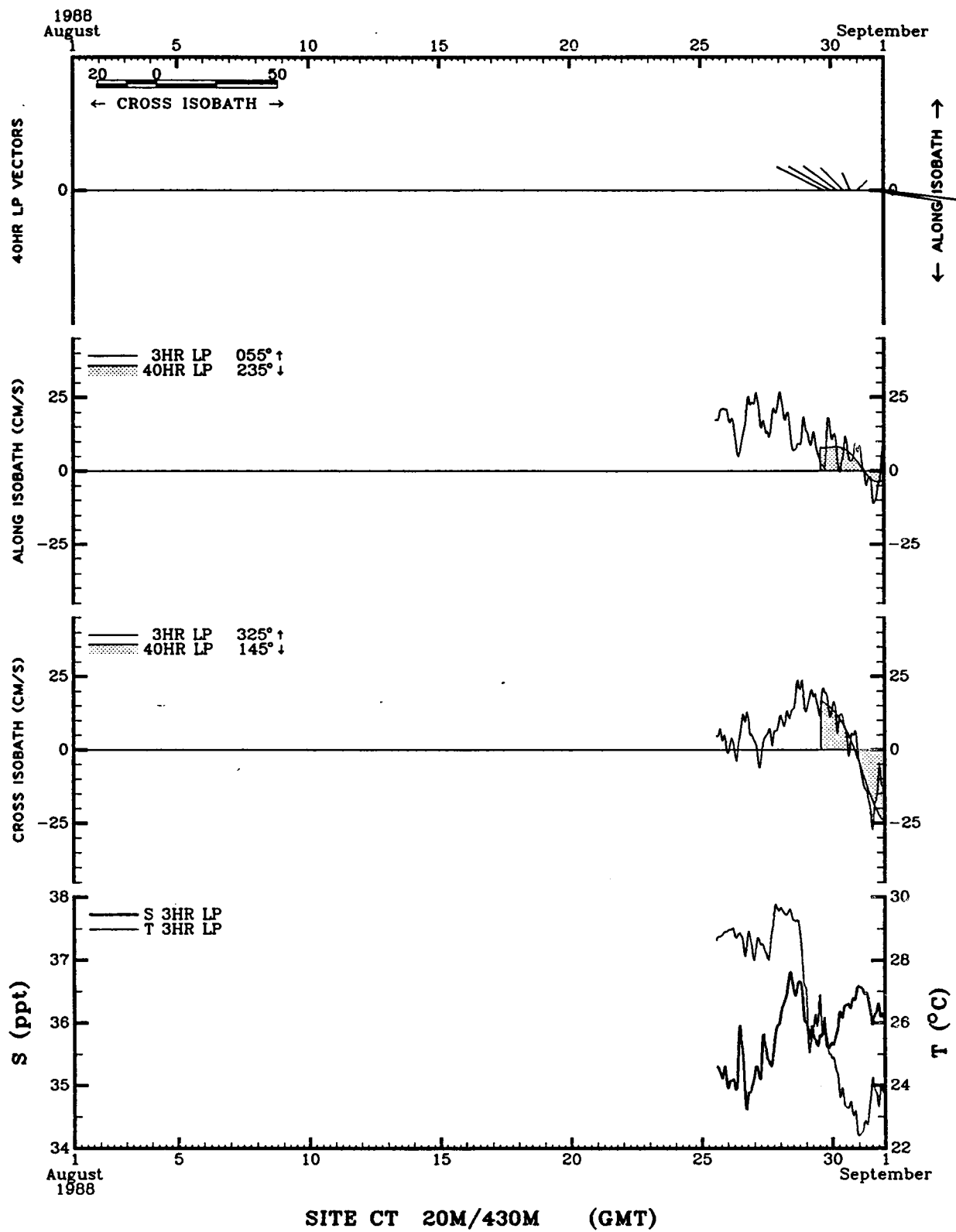


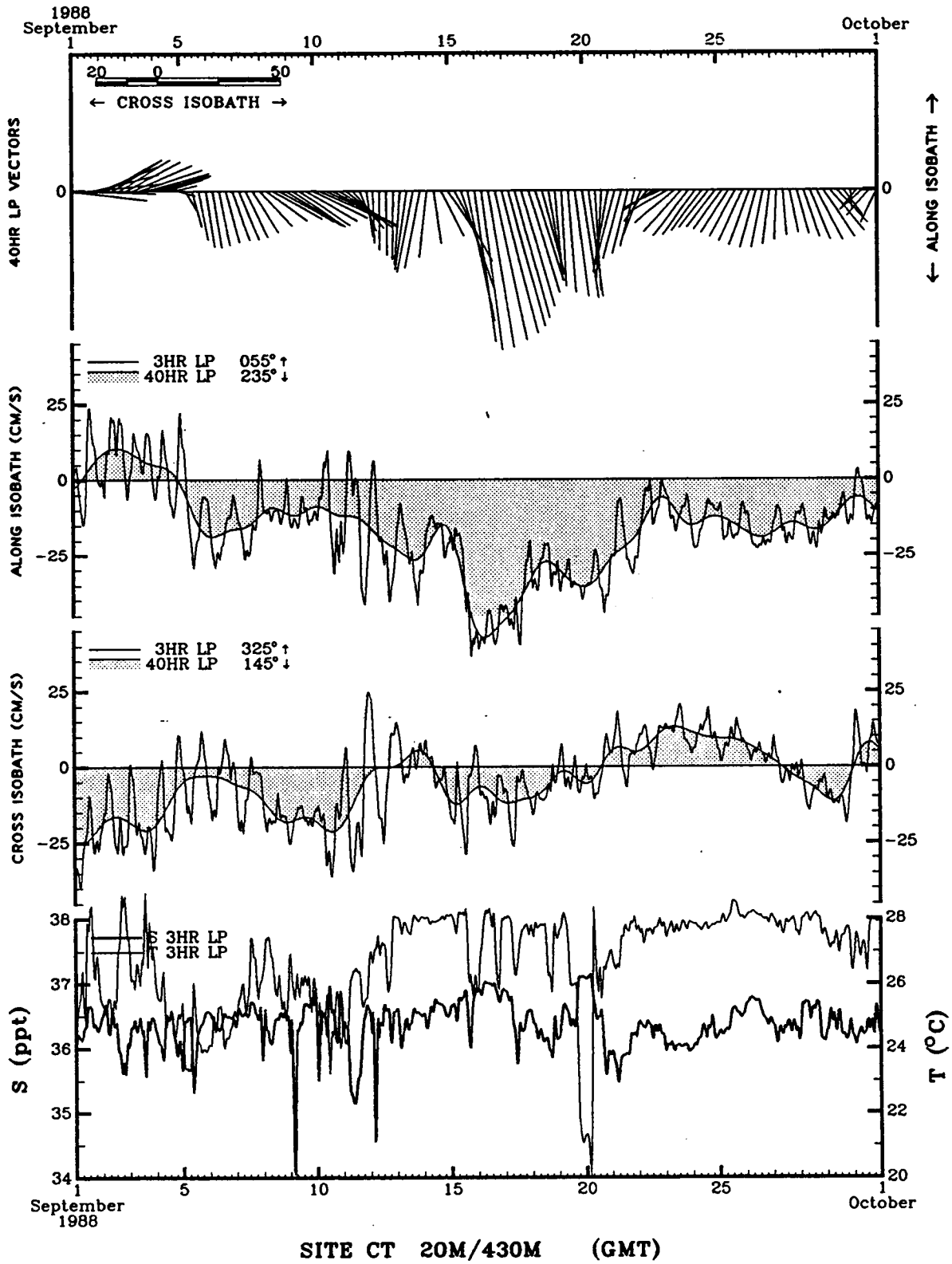


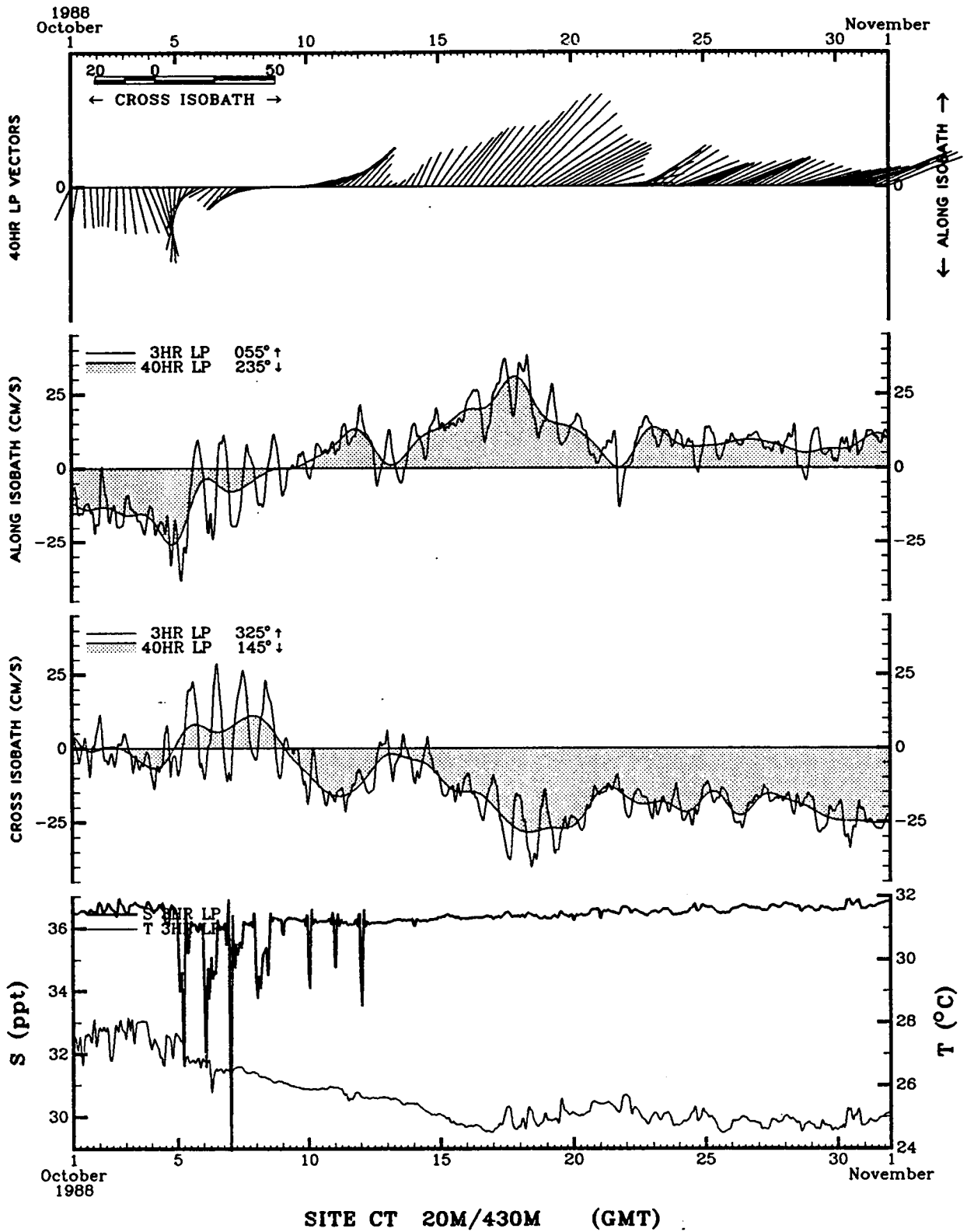


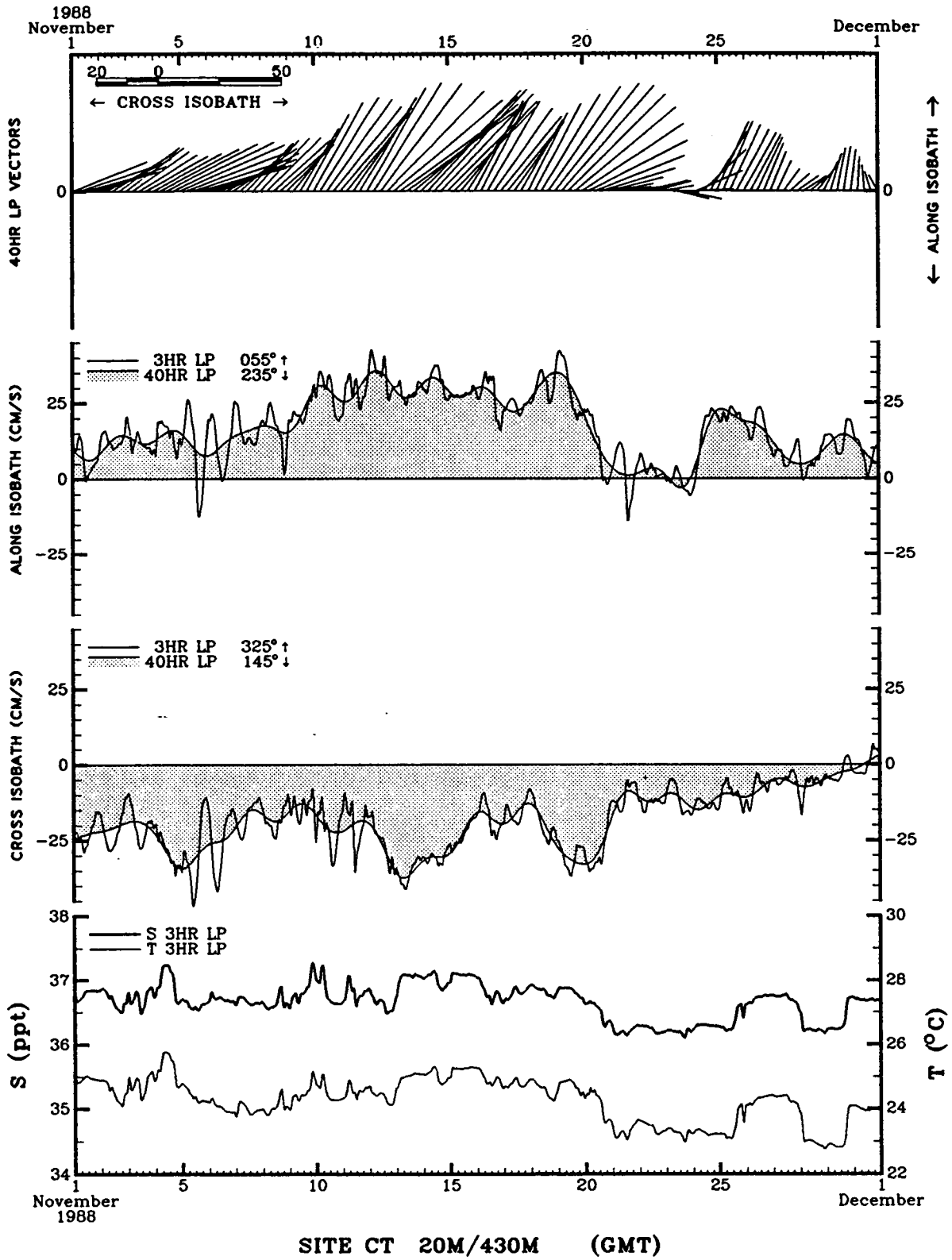
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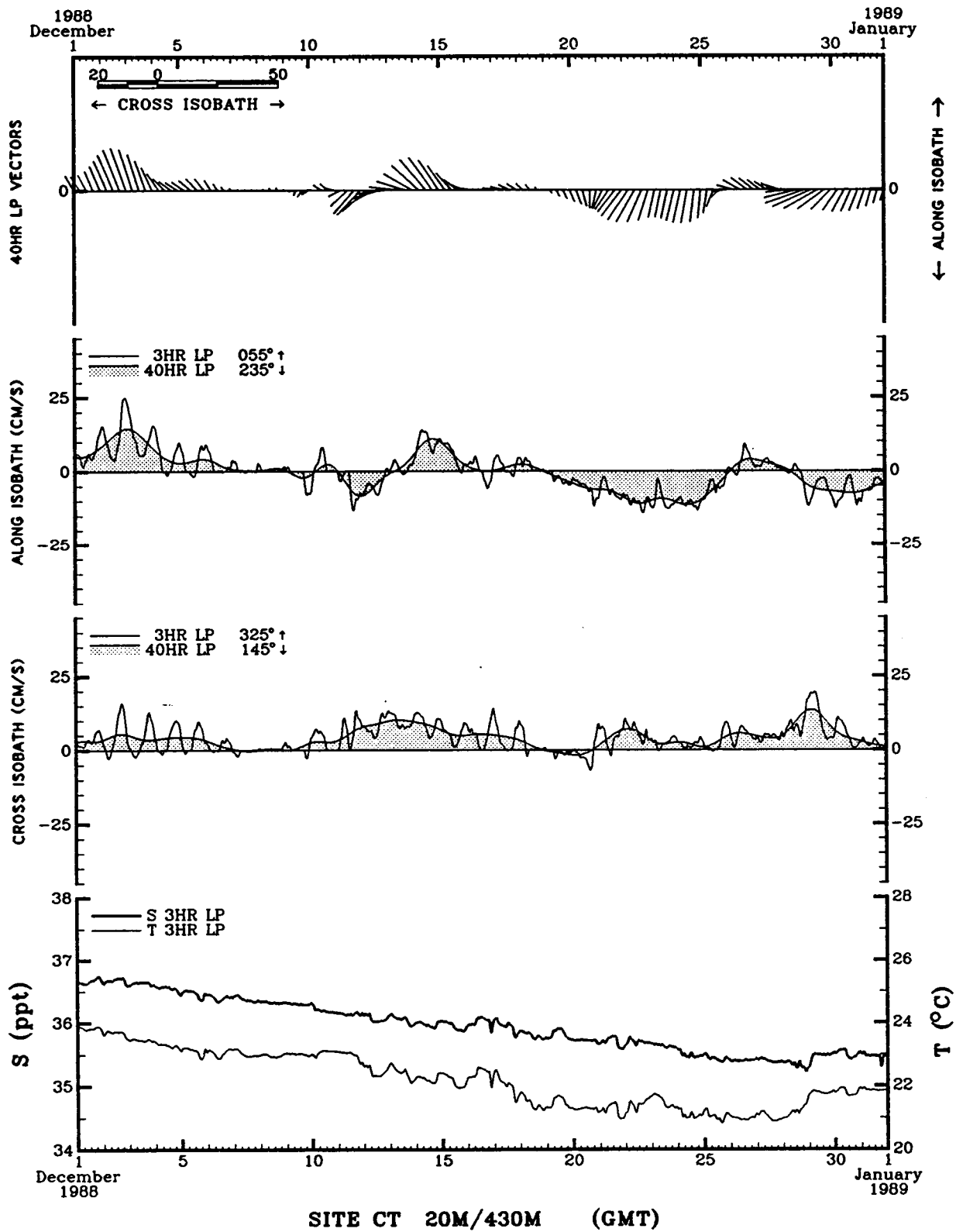


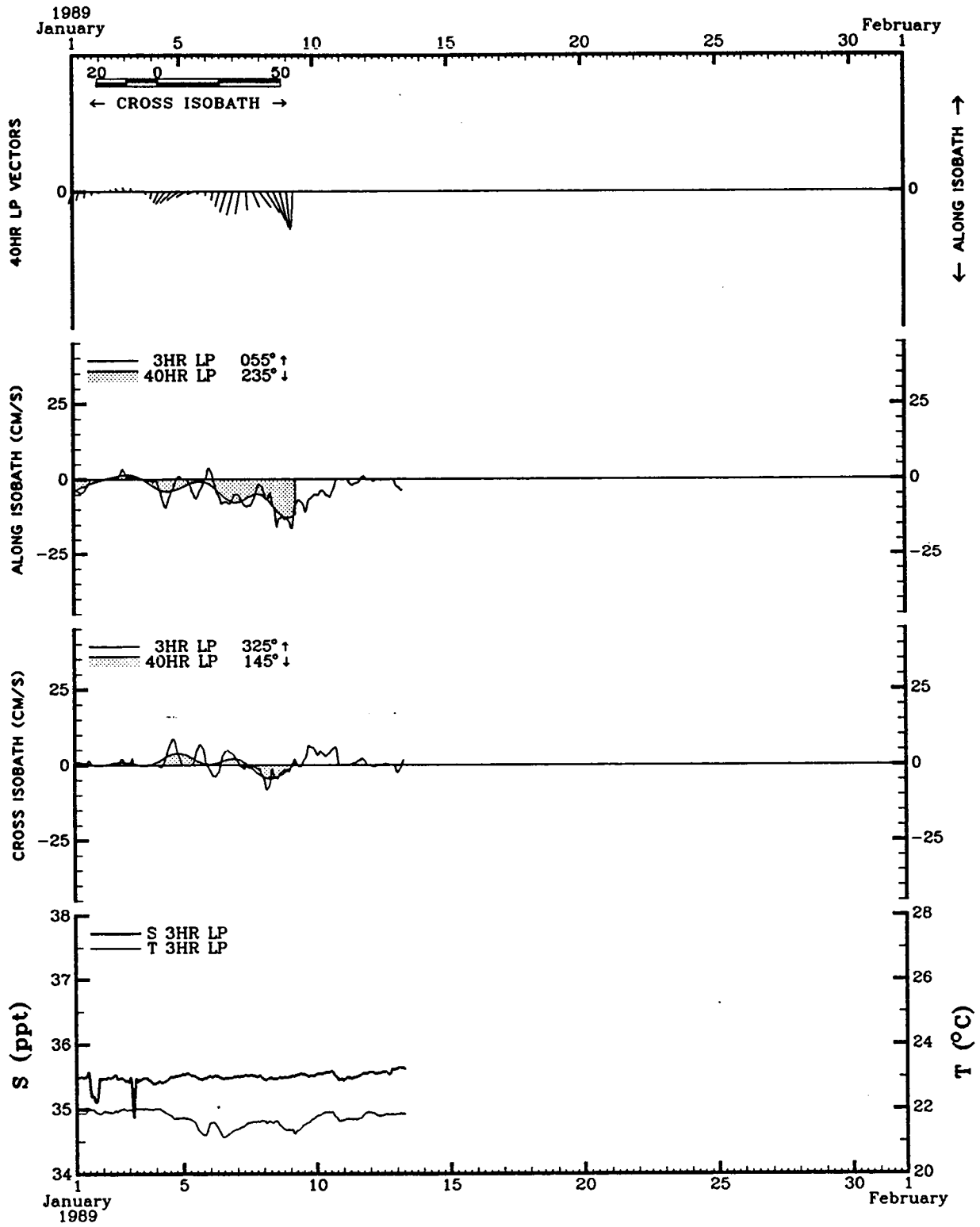




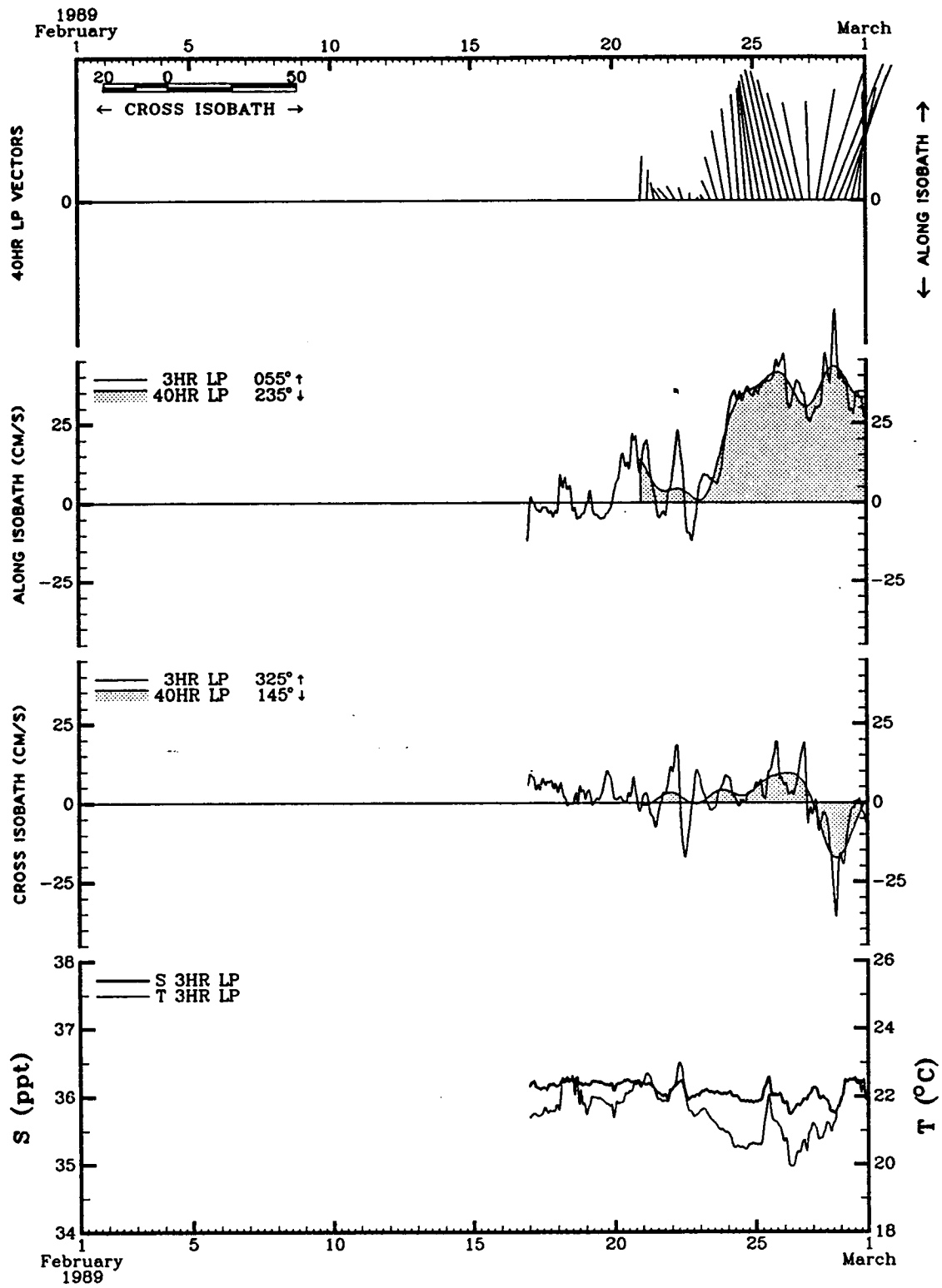




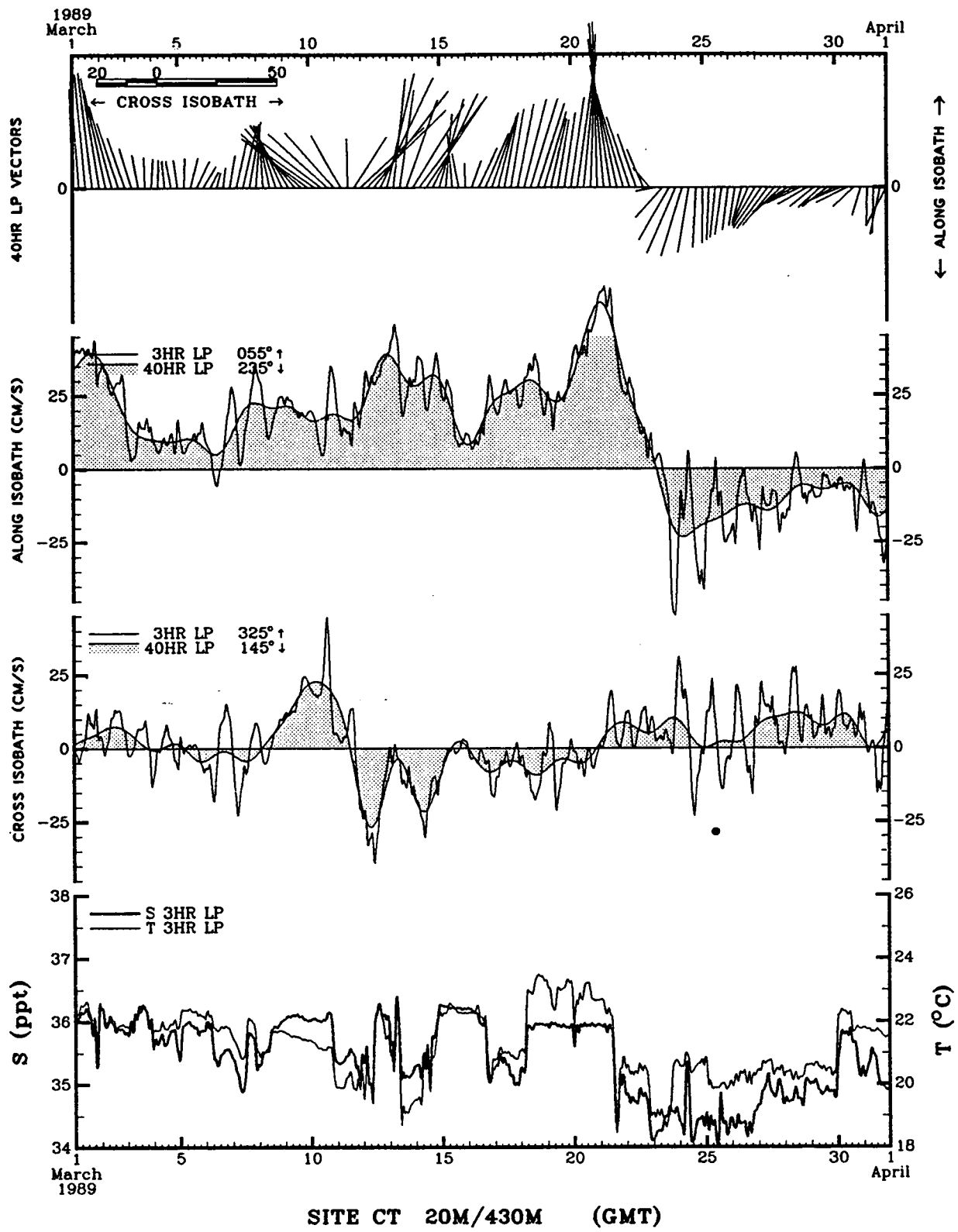


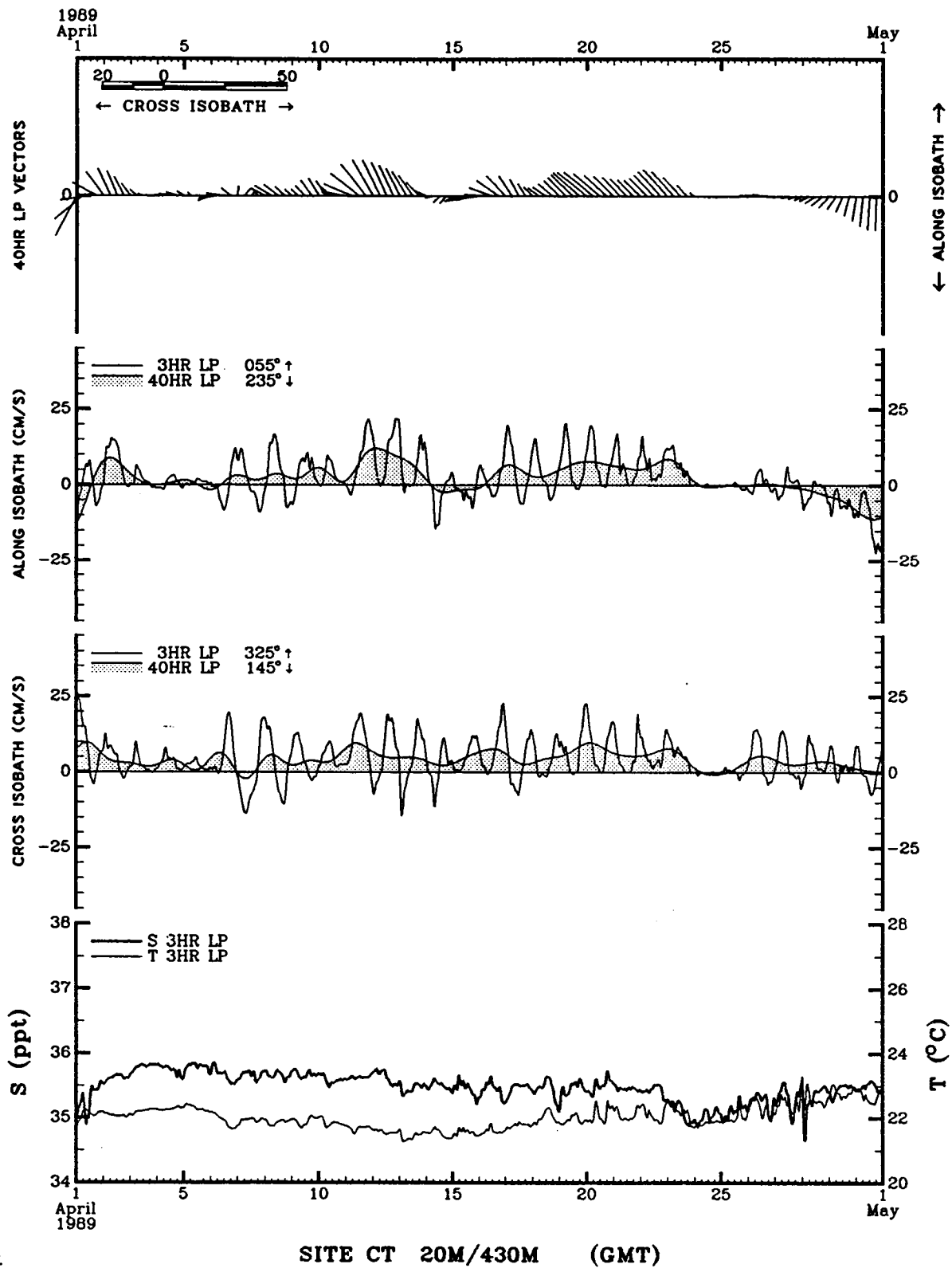


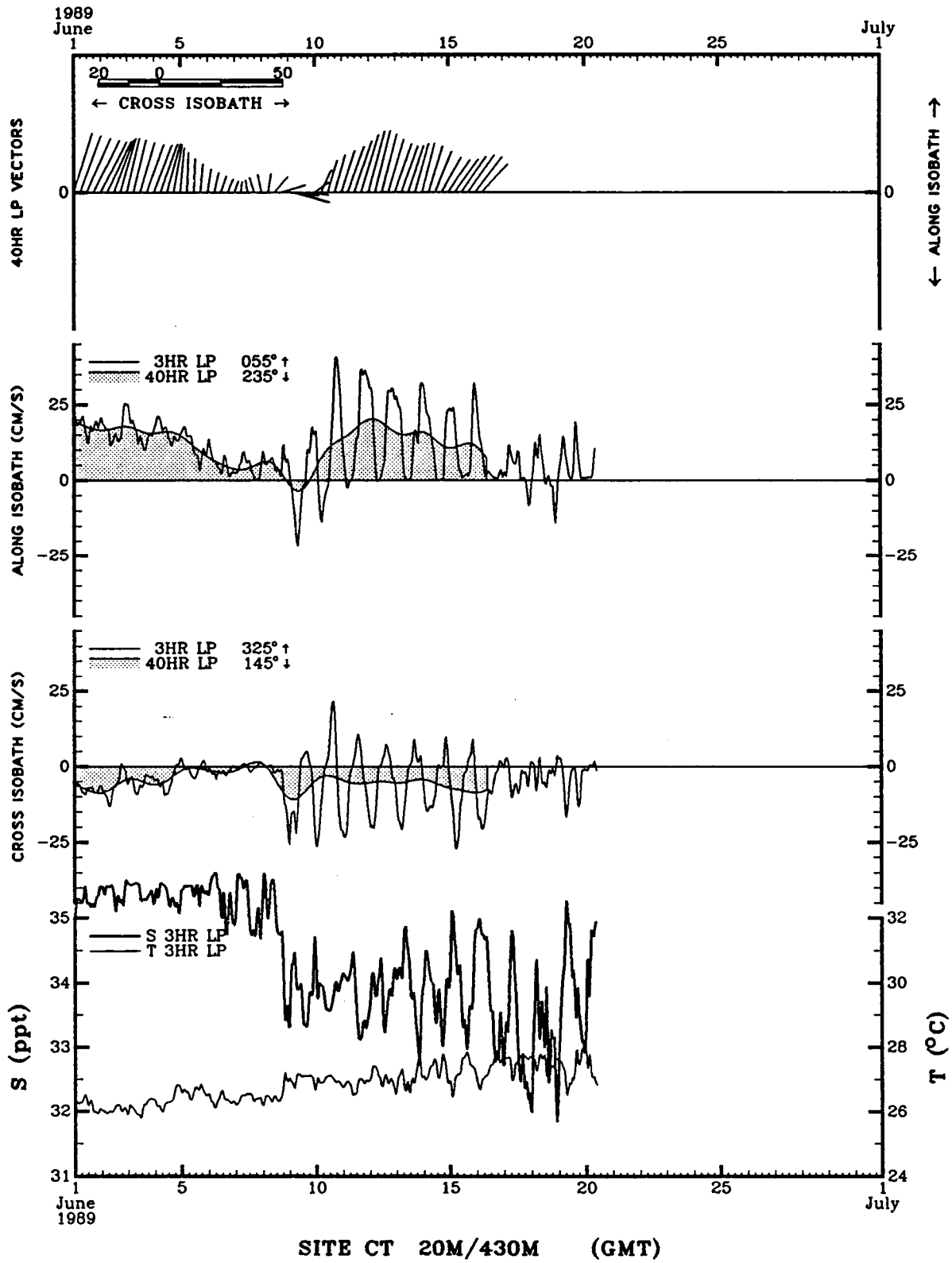
SITE CT 20M/430M (GMT)

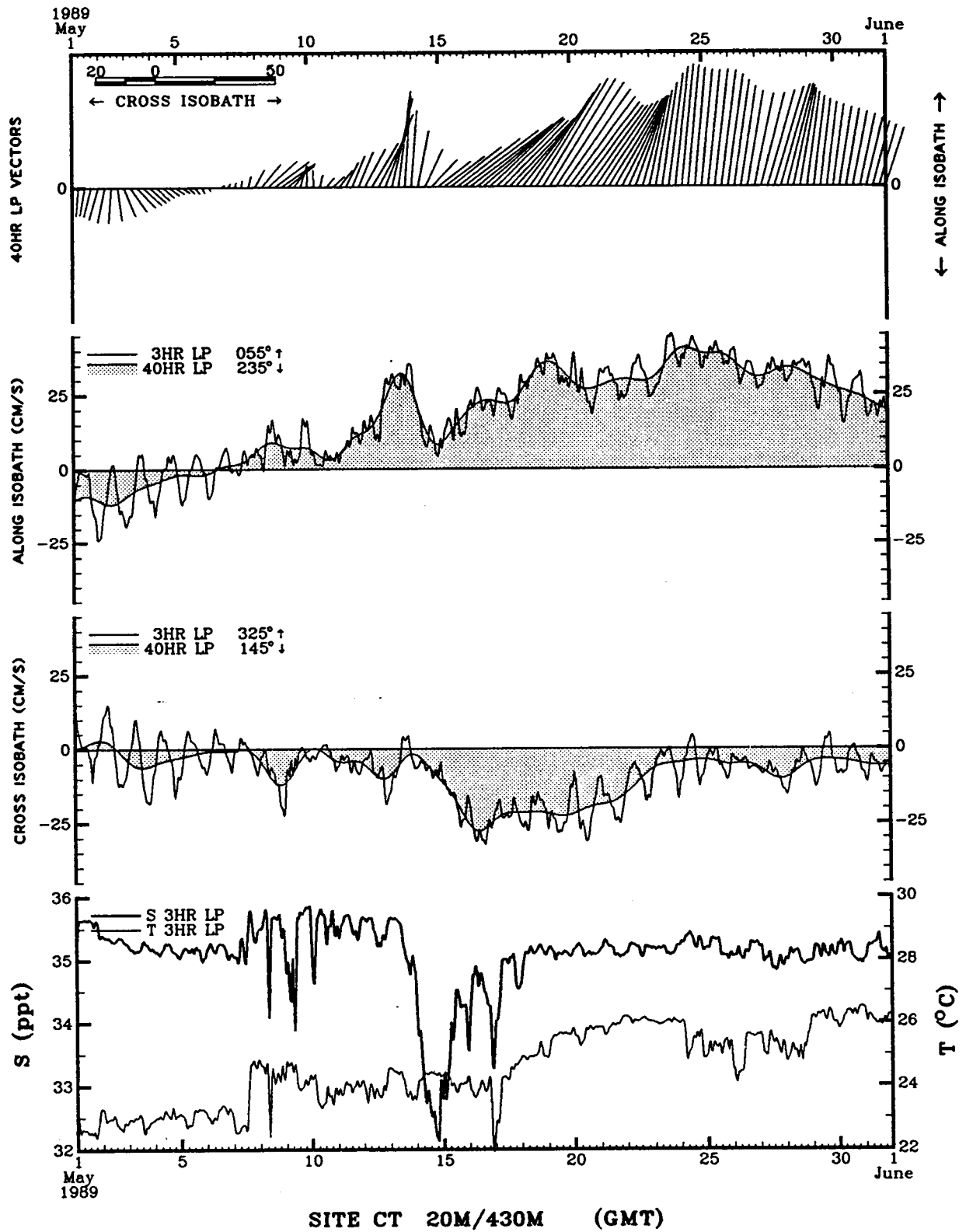


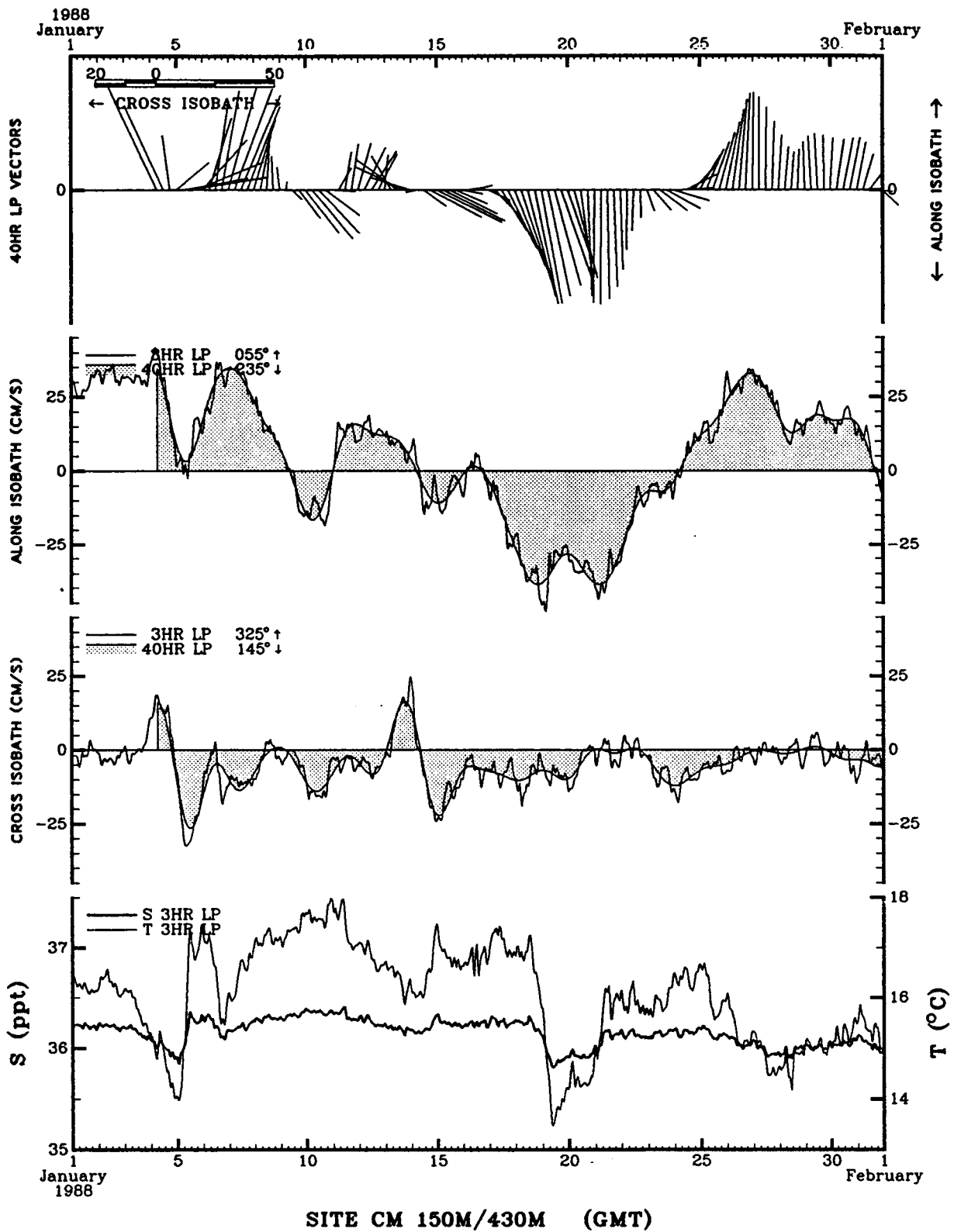
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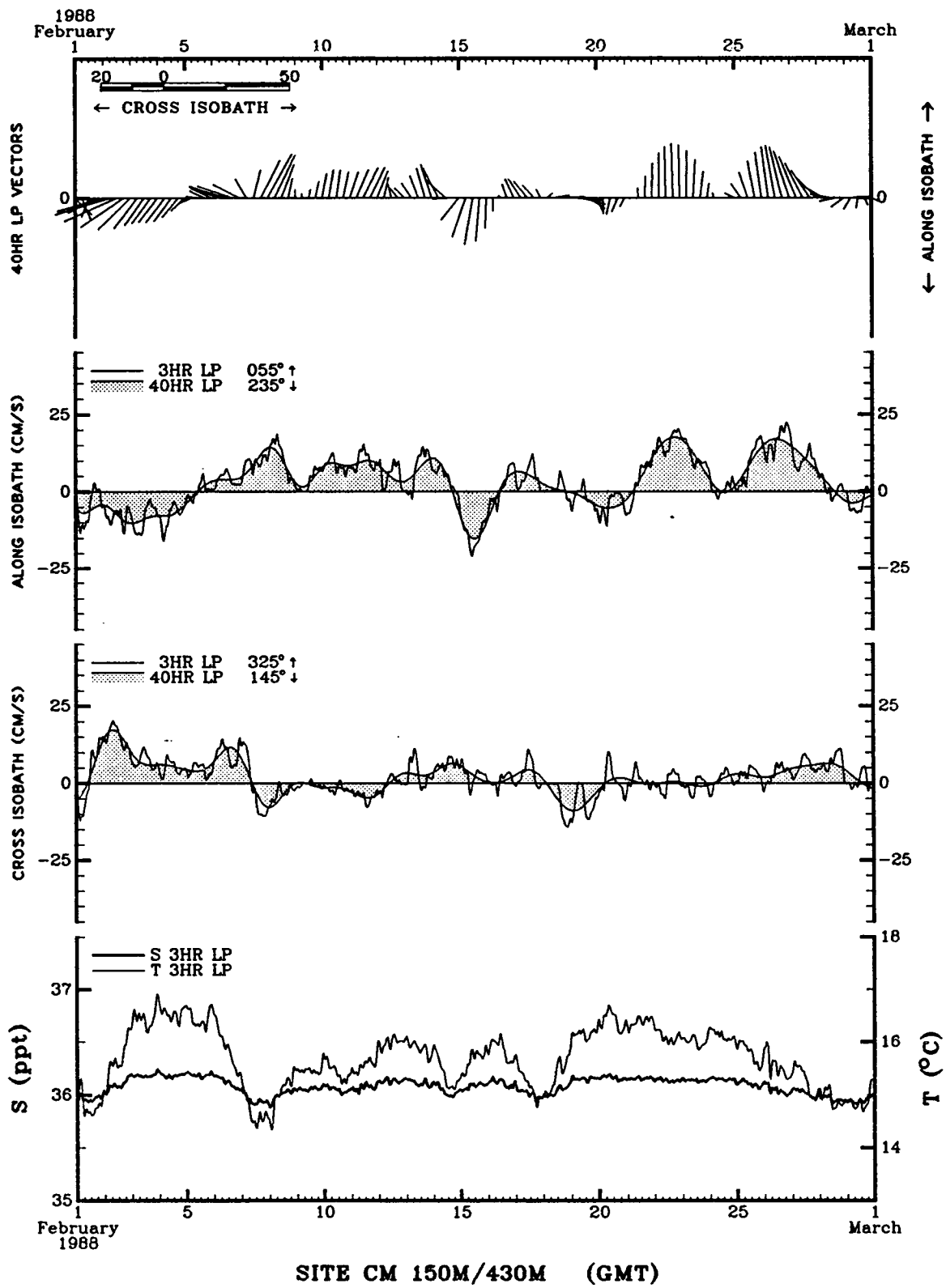


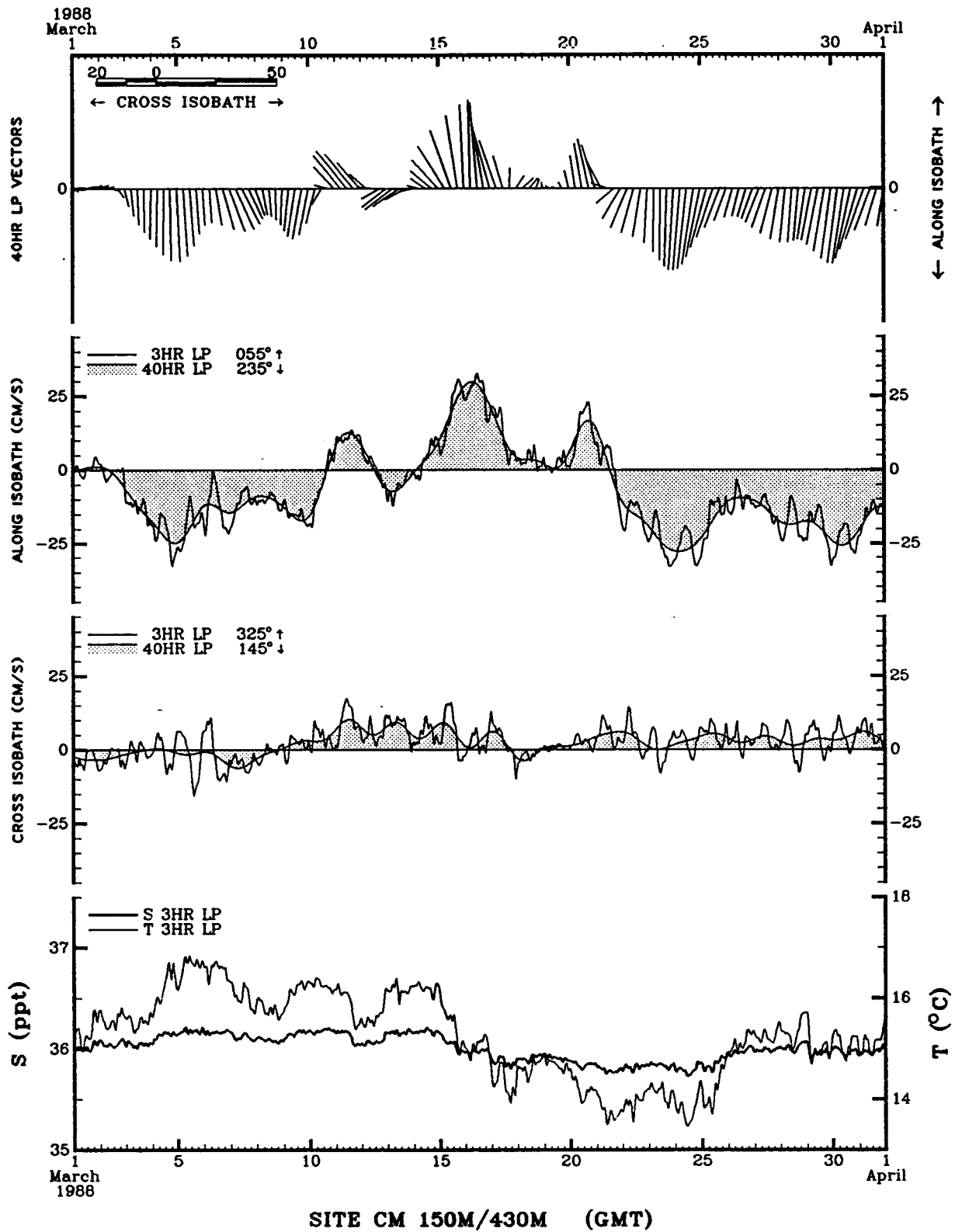


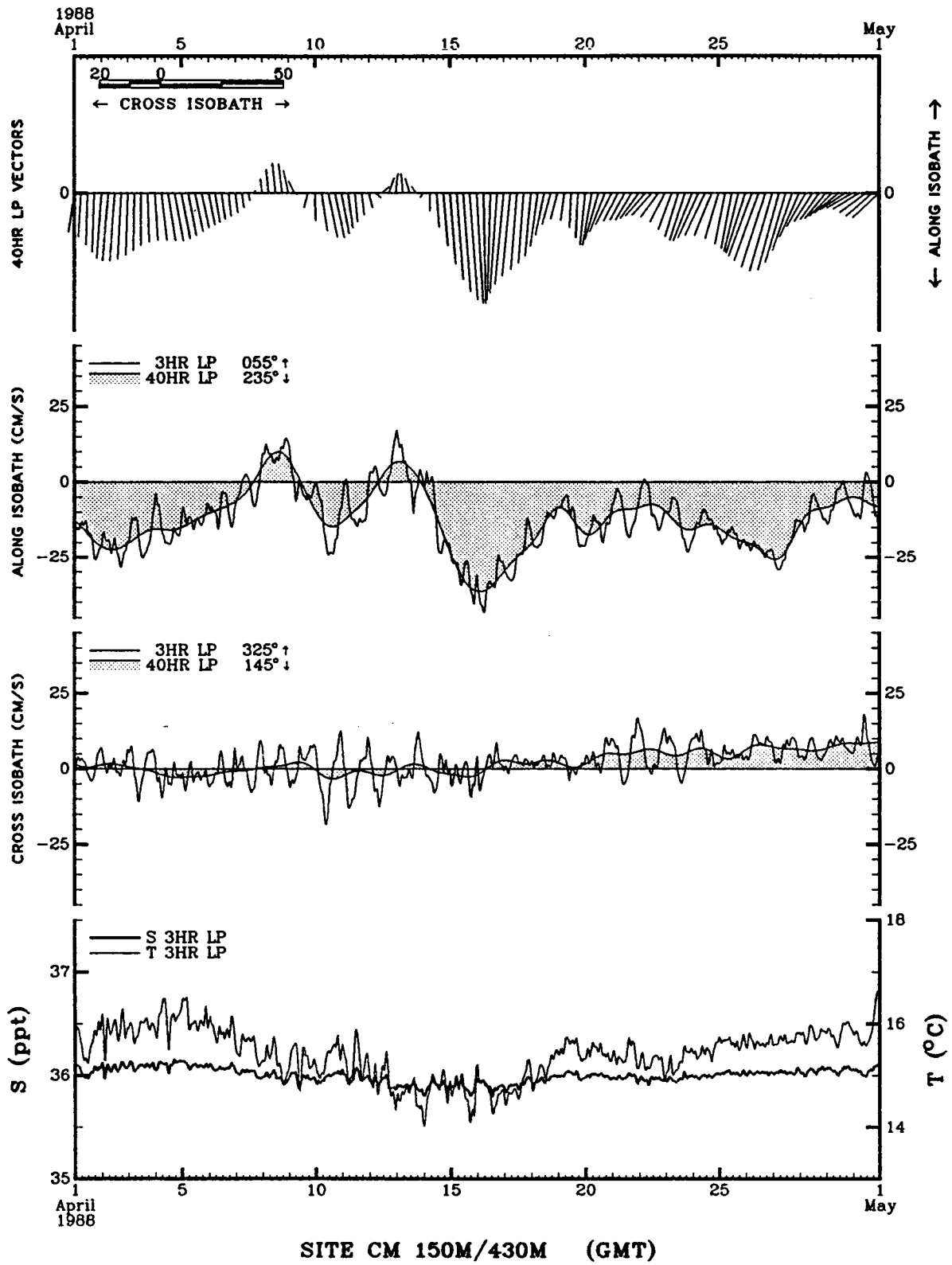


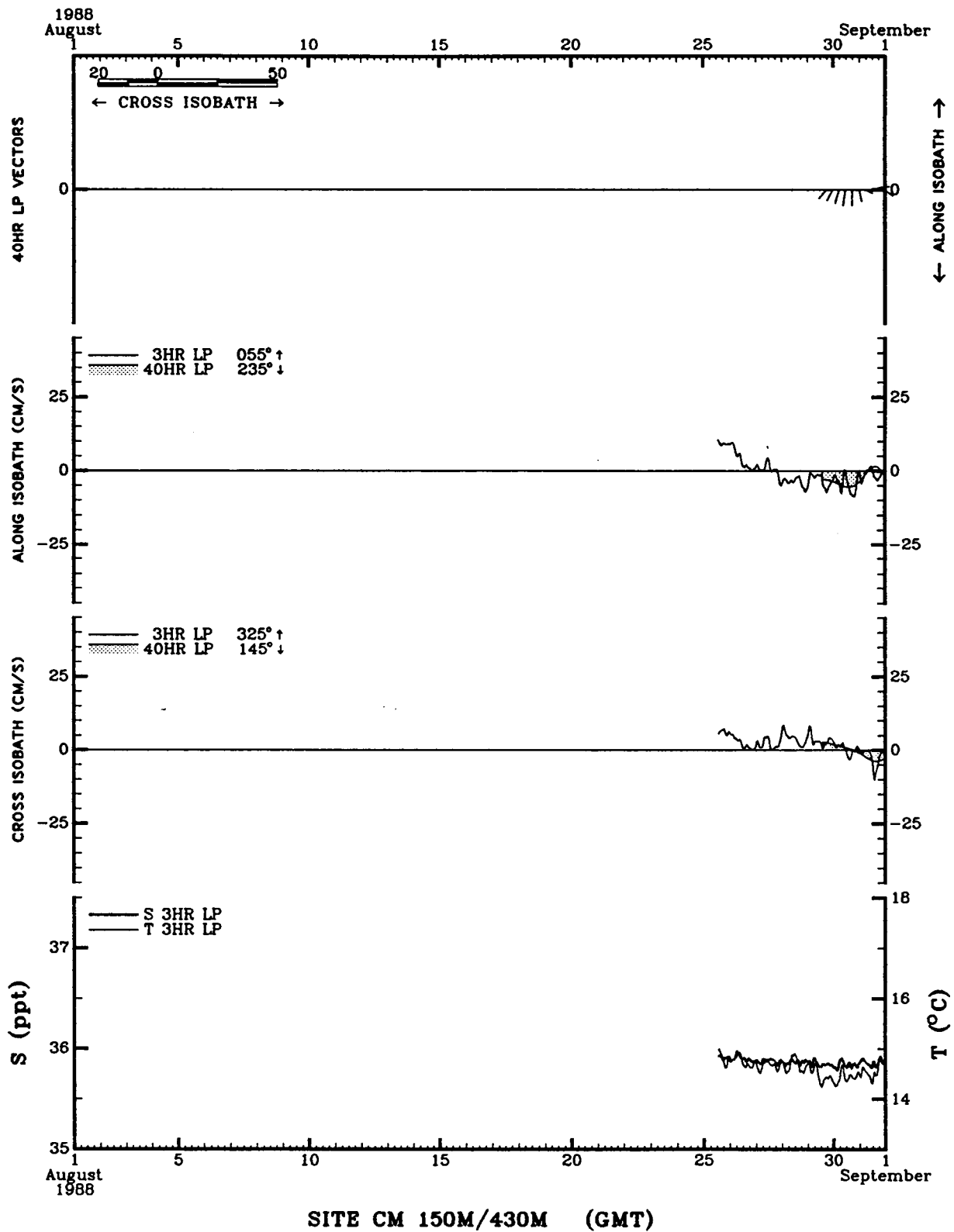


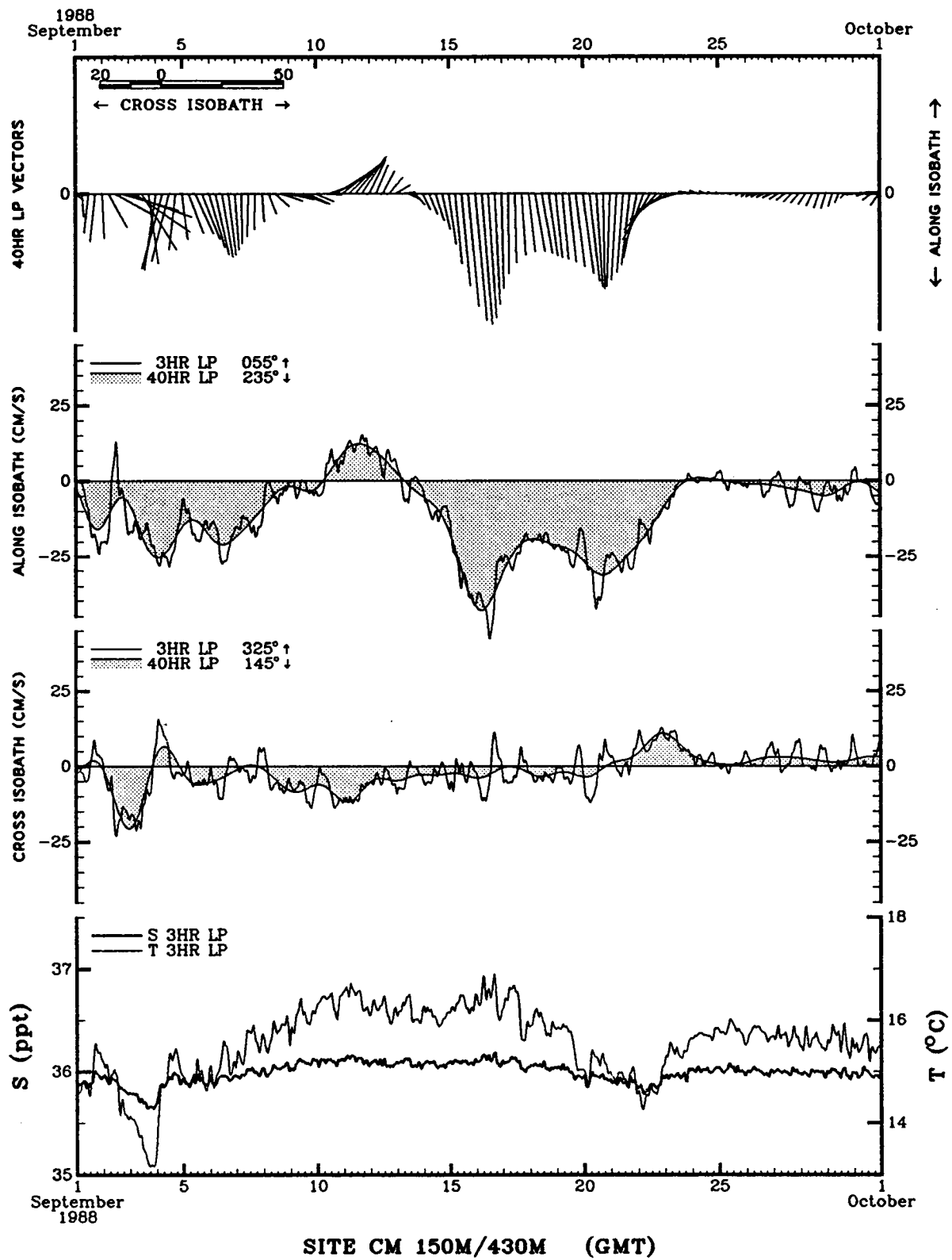


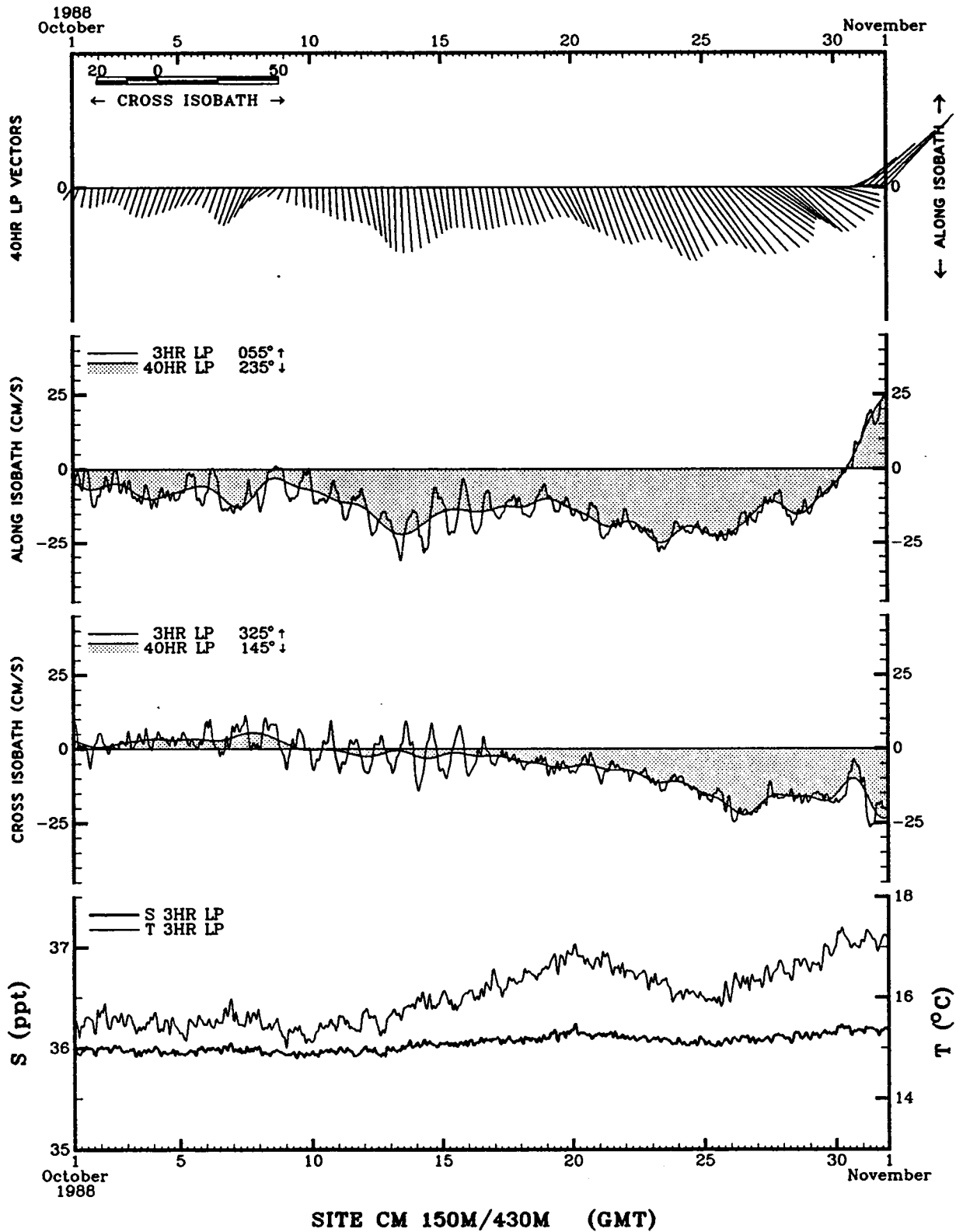


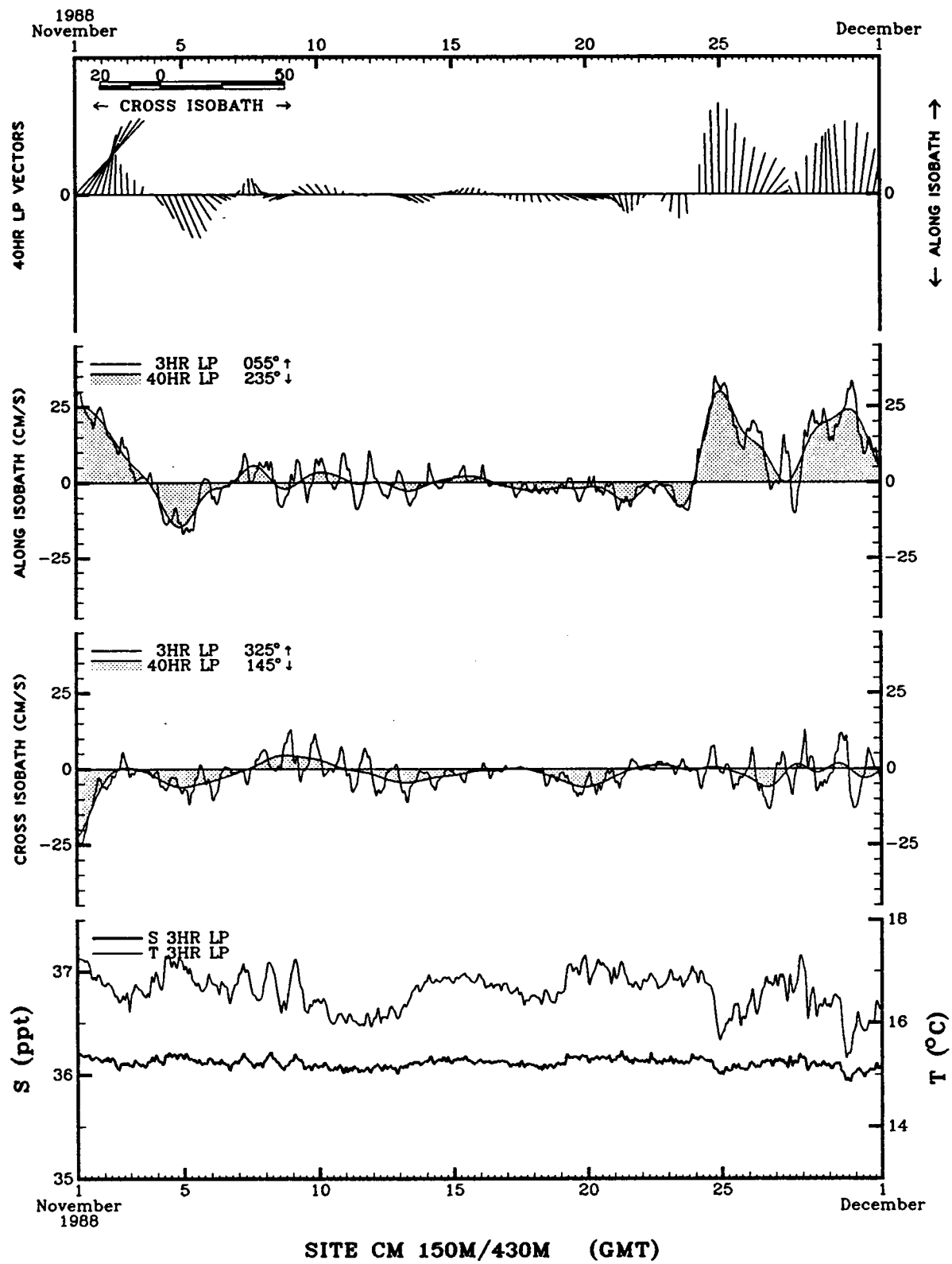


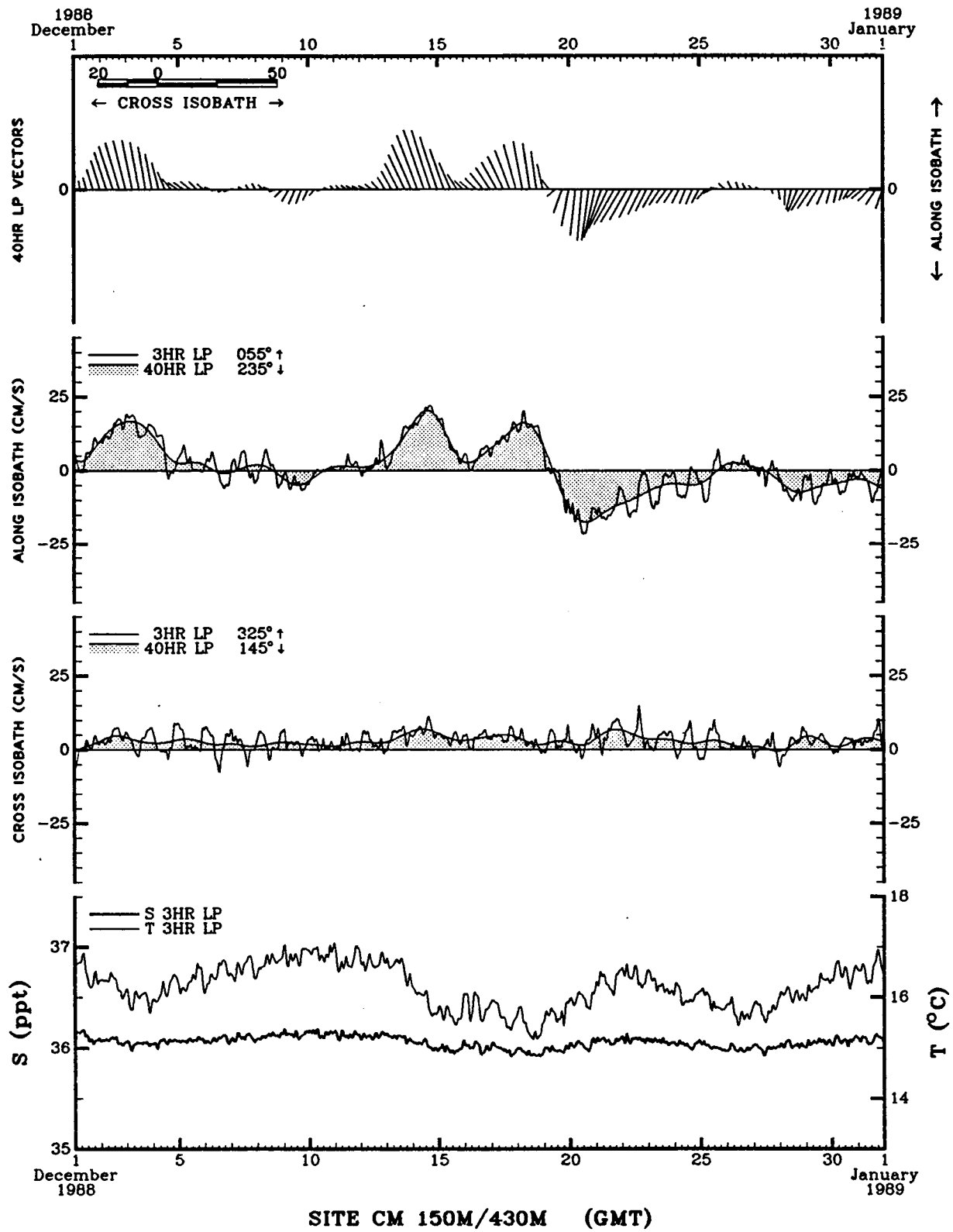


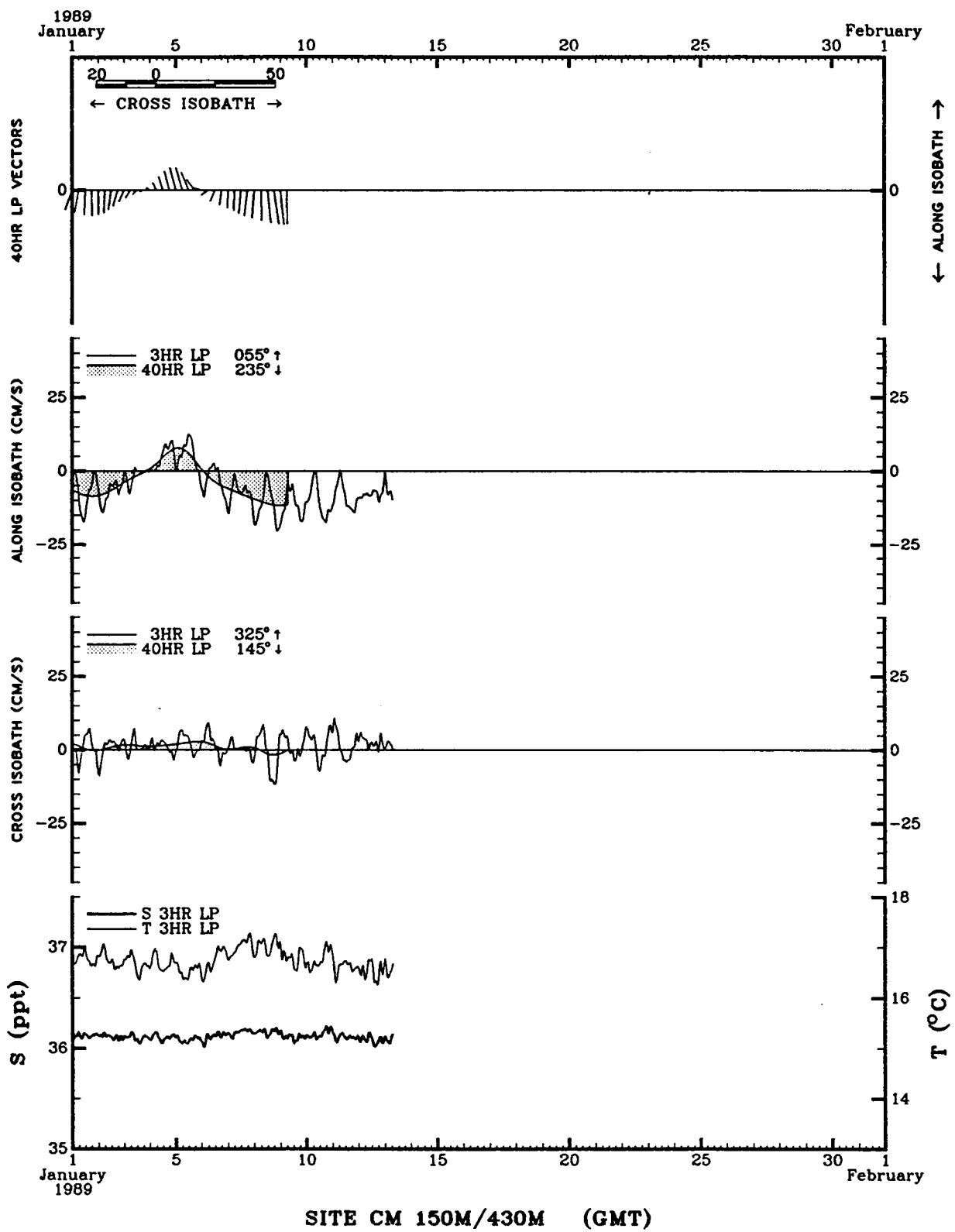


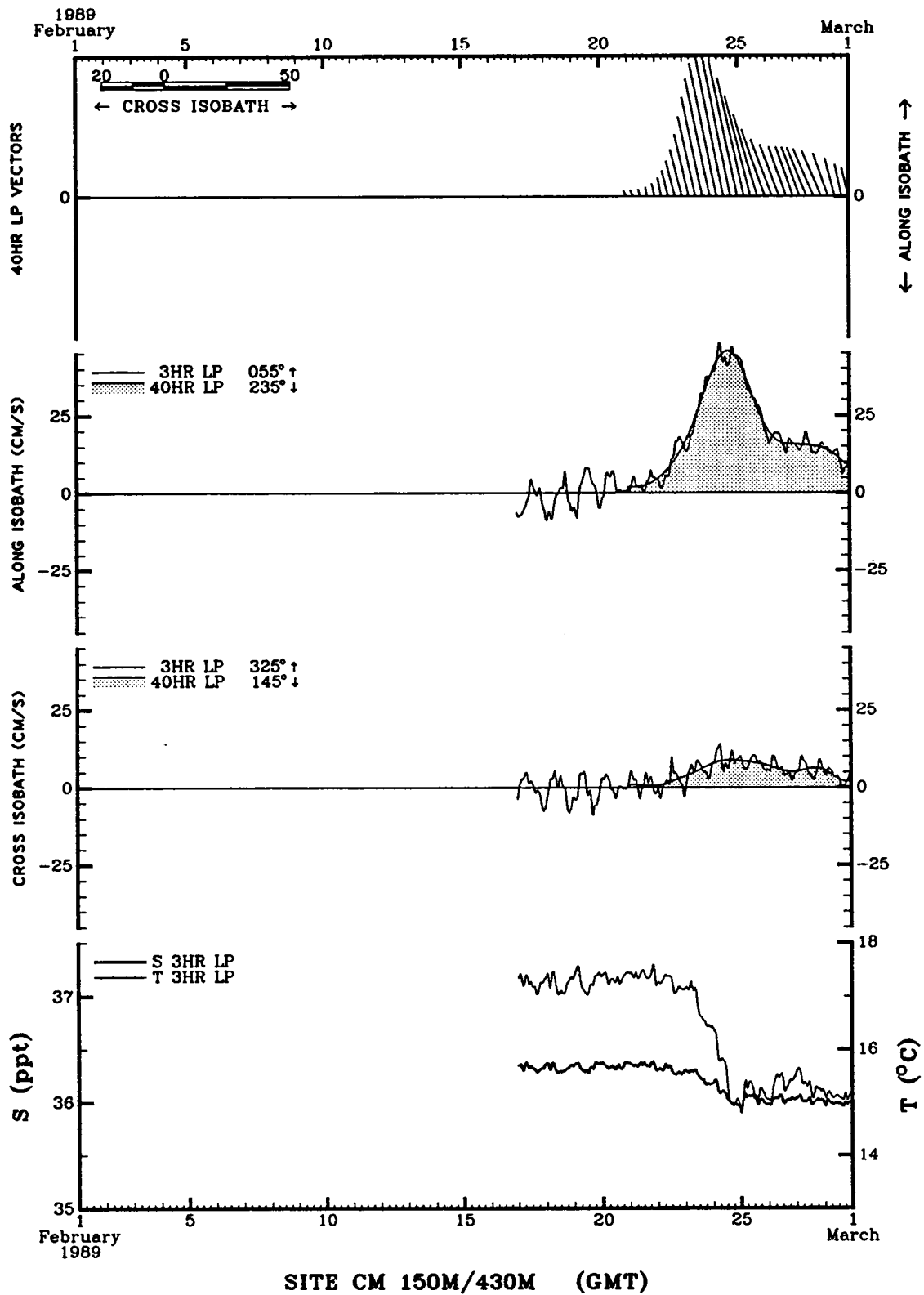


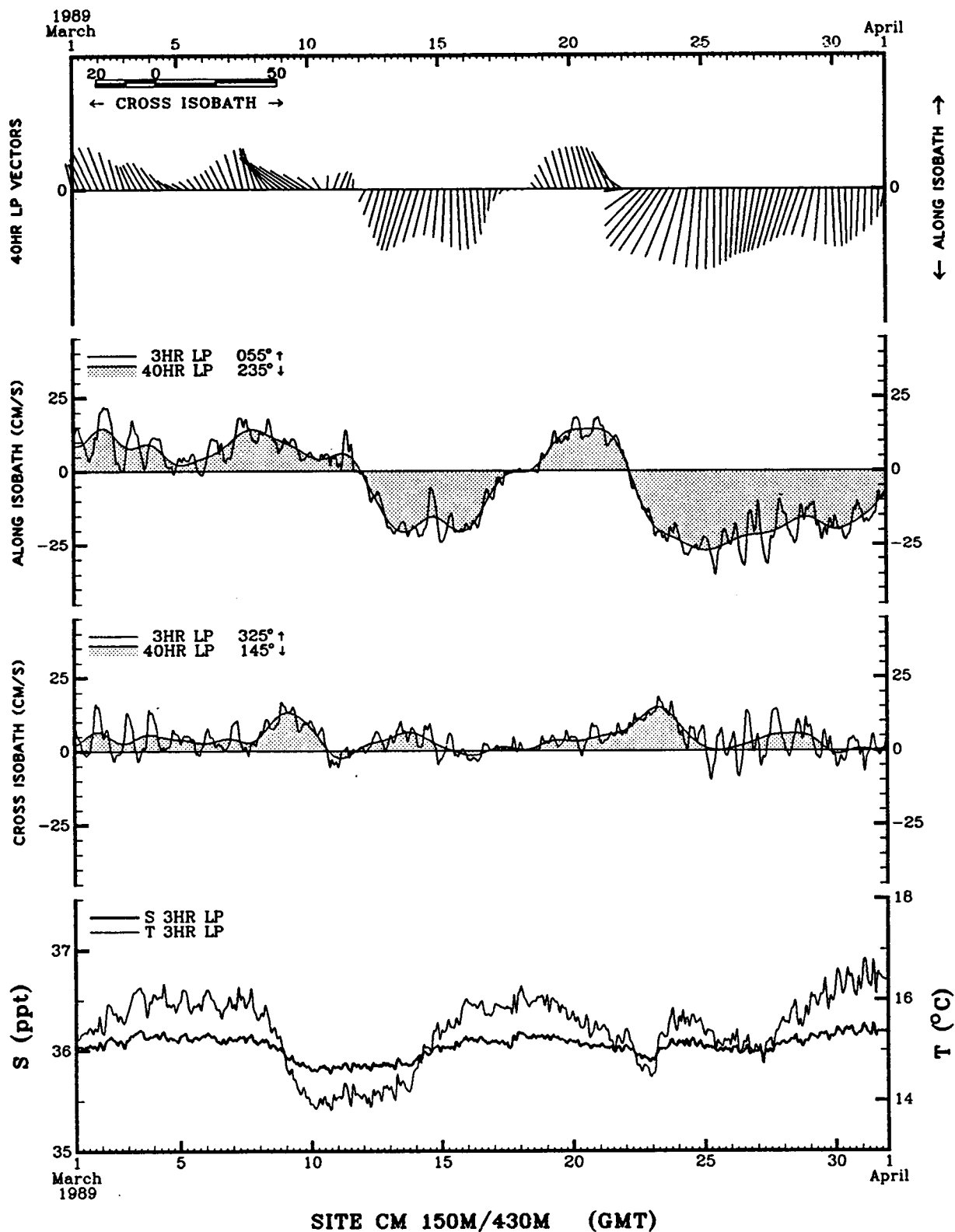


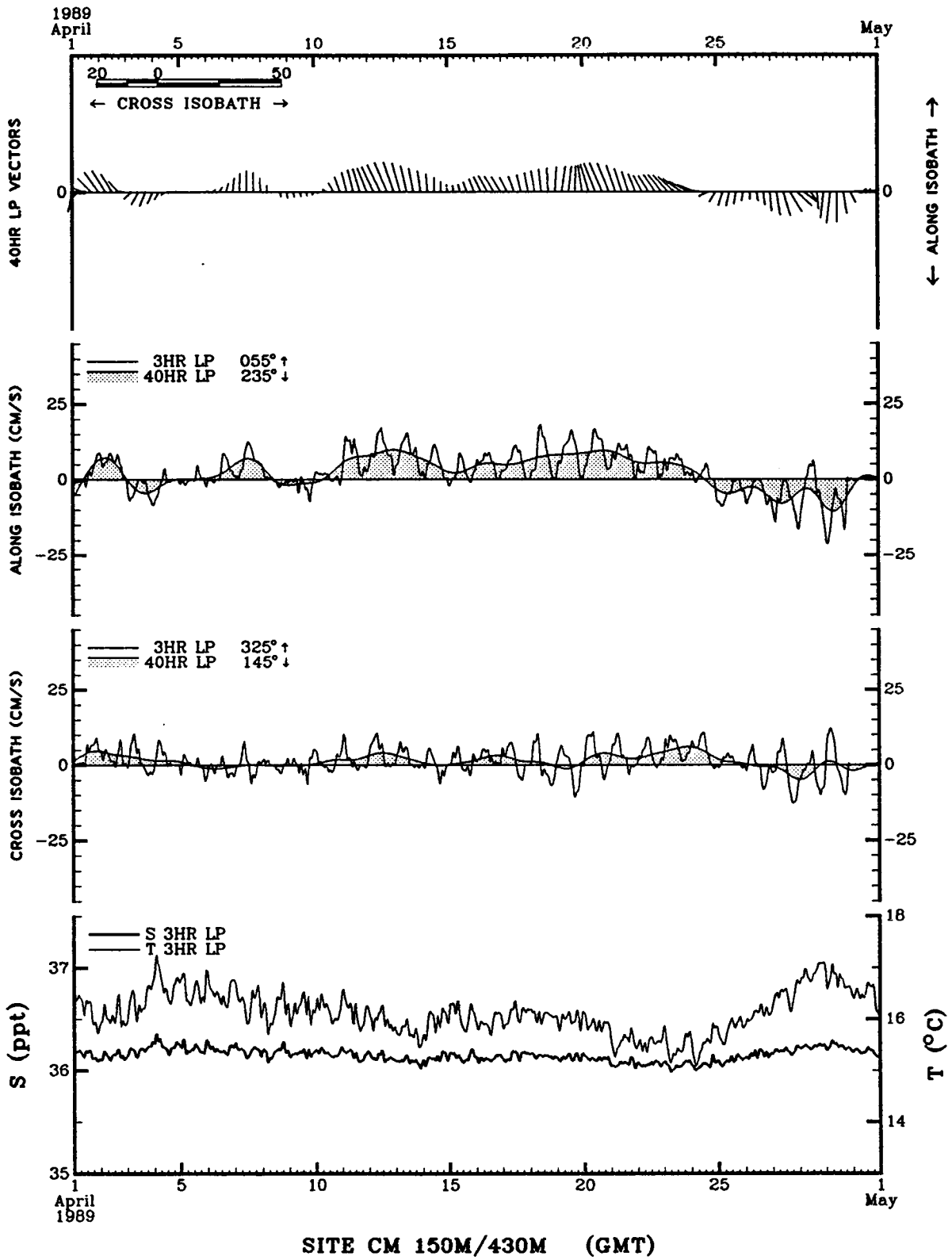


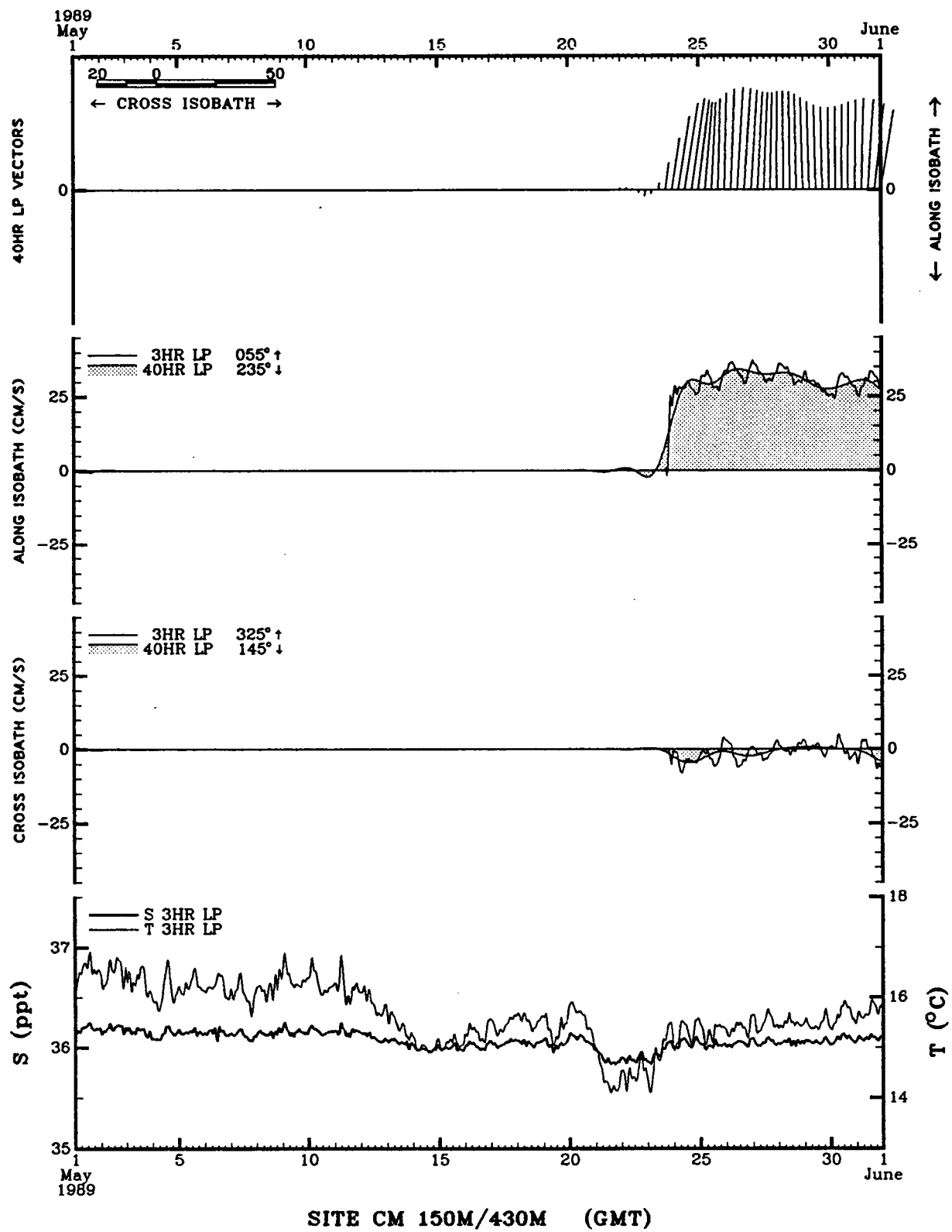


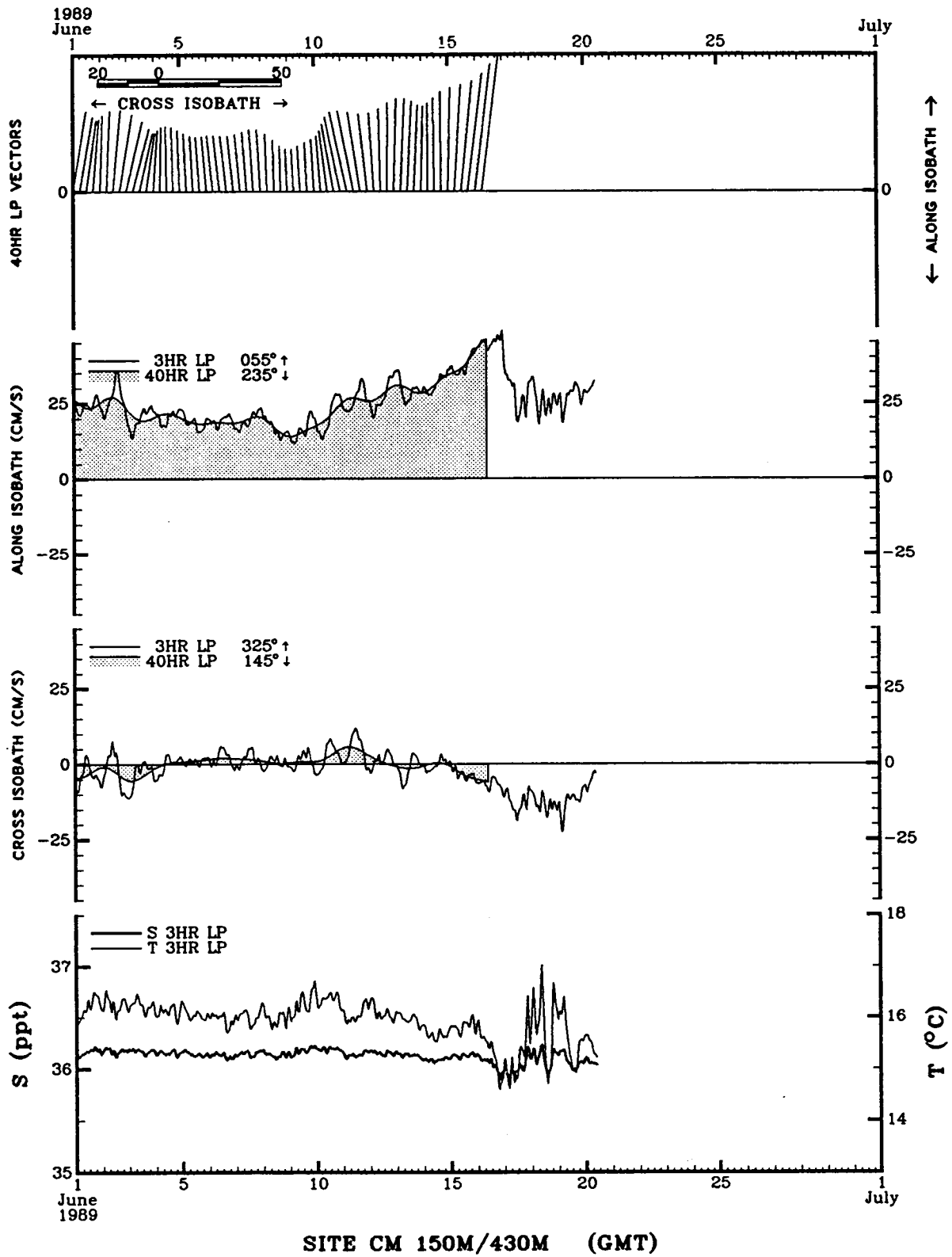


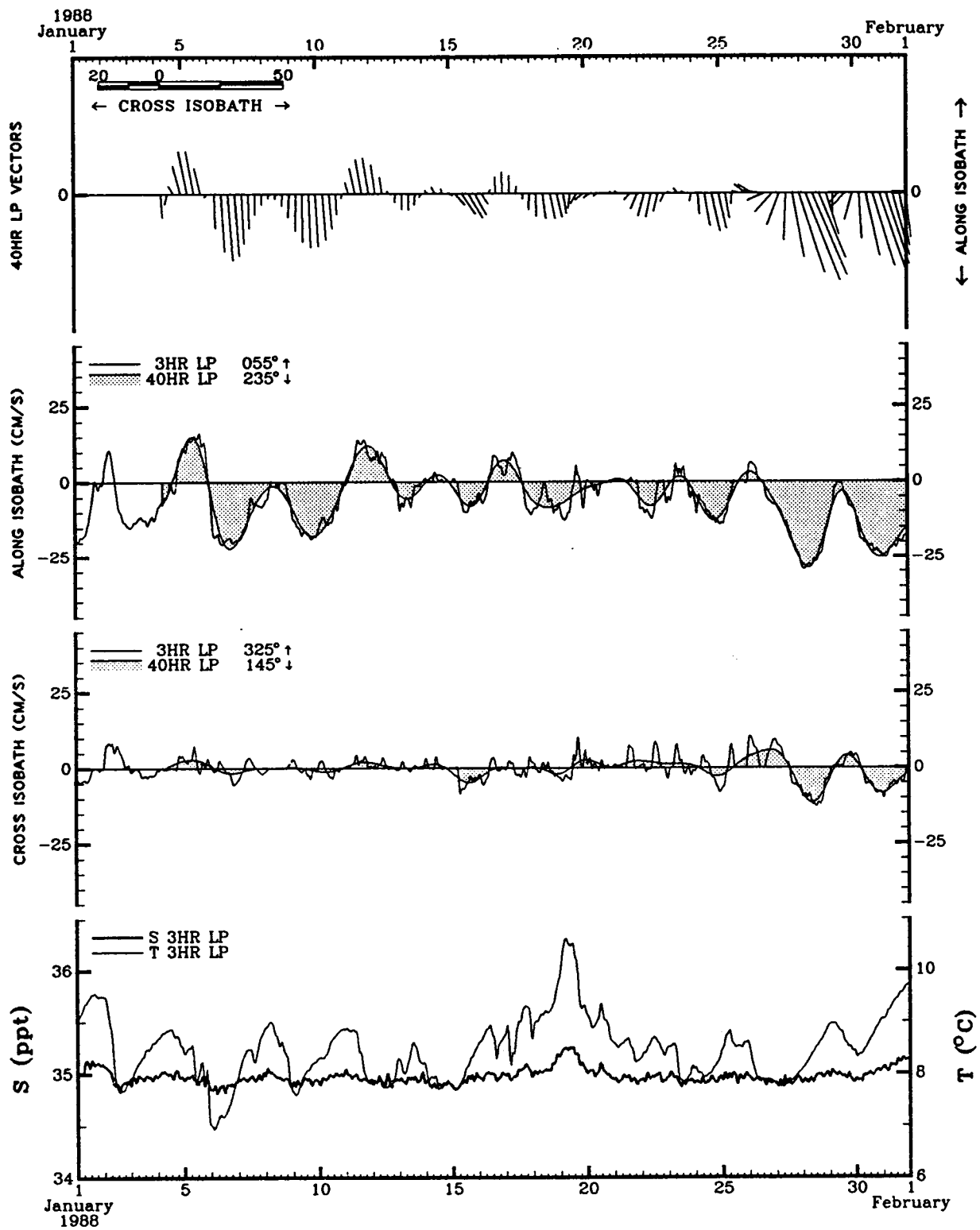




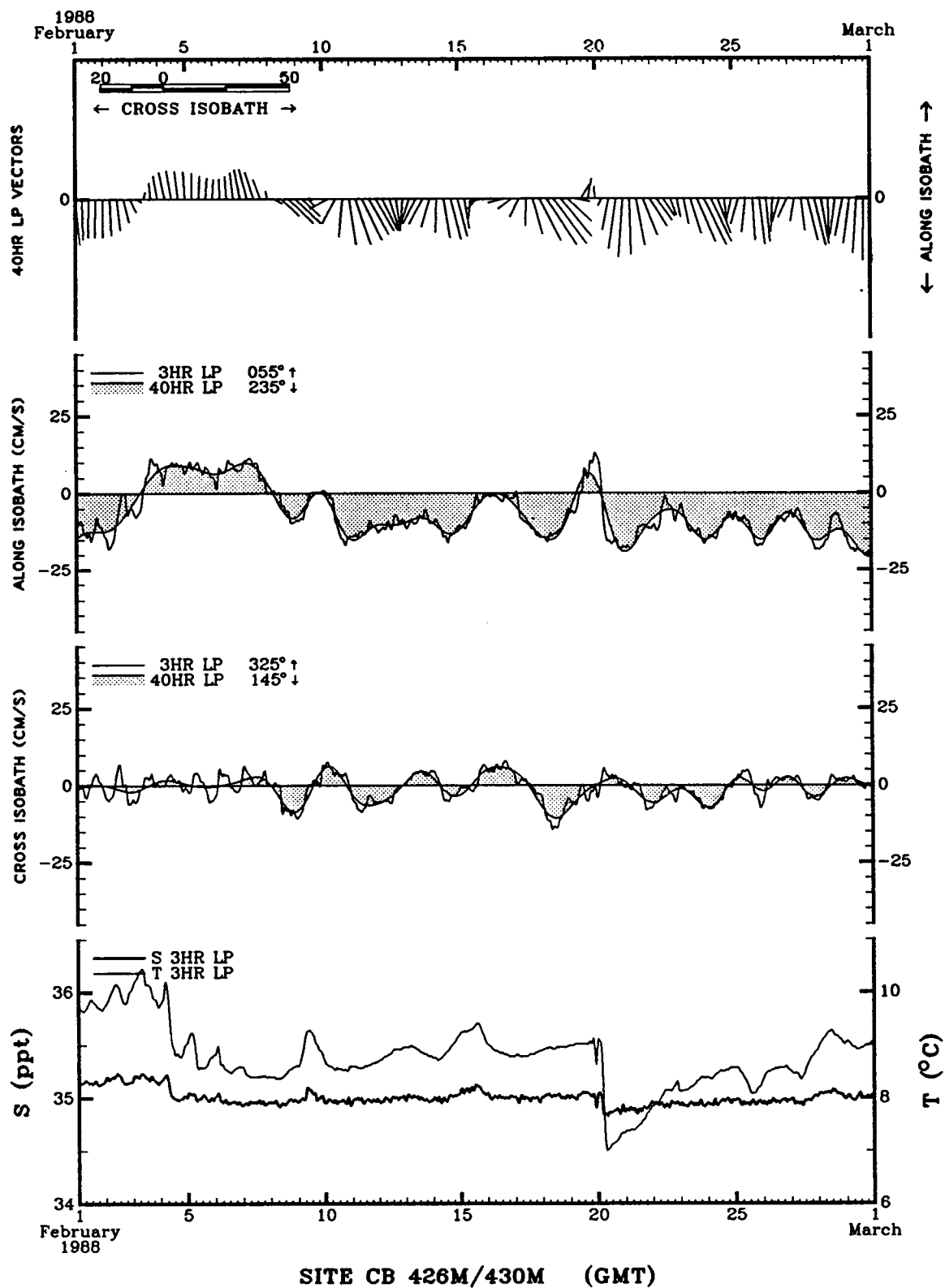


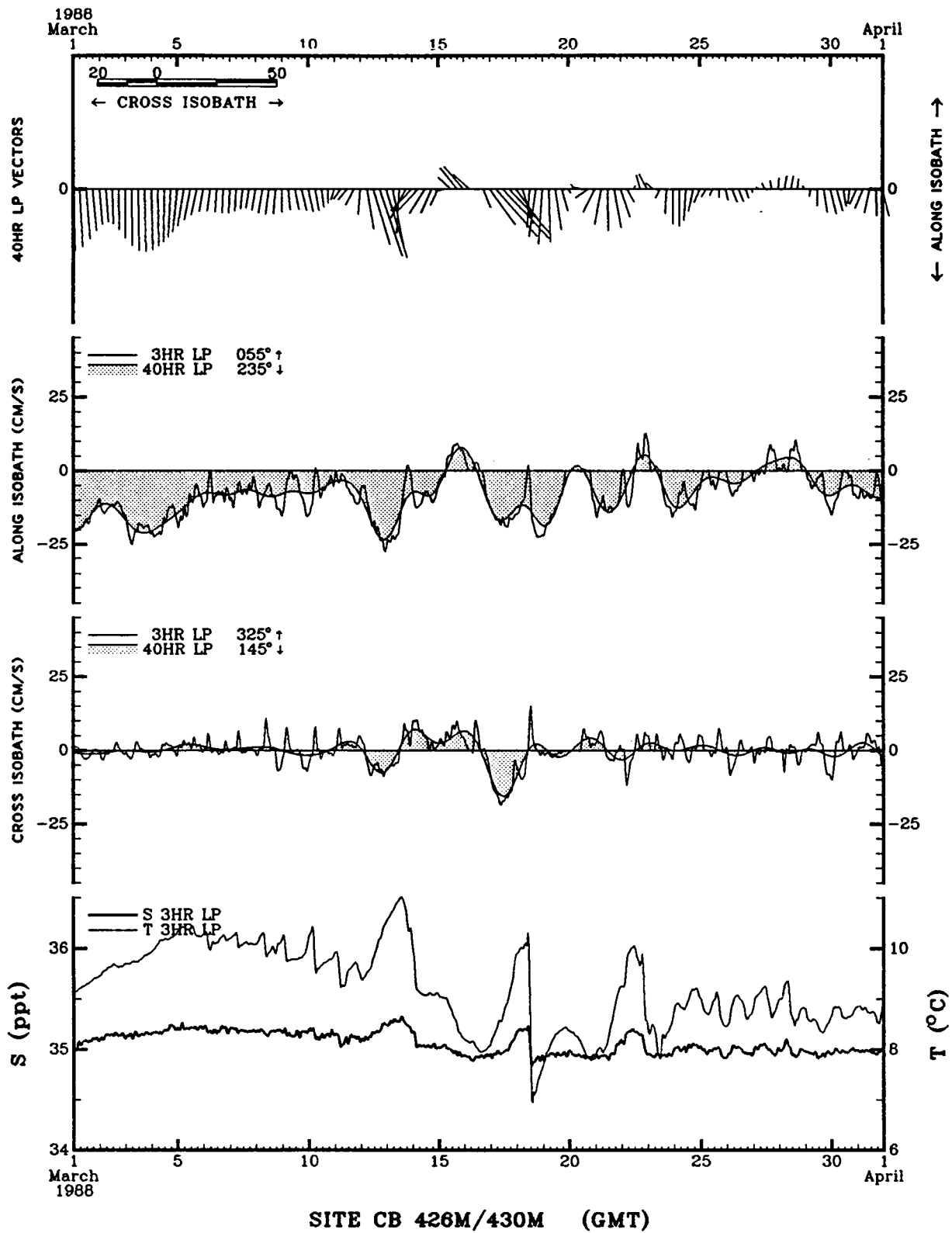


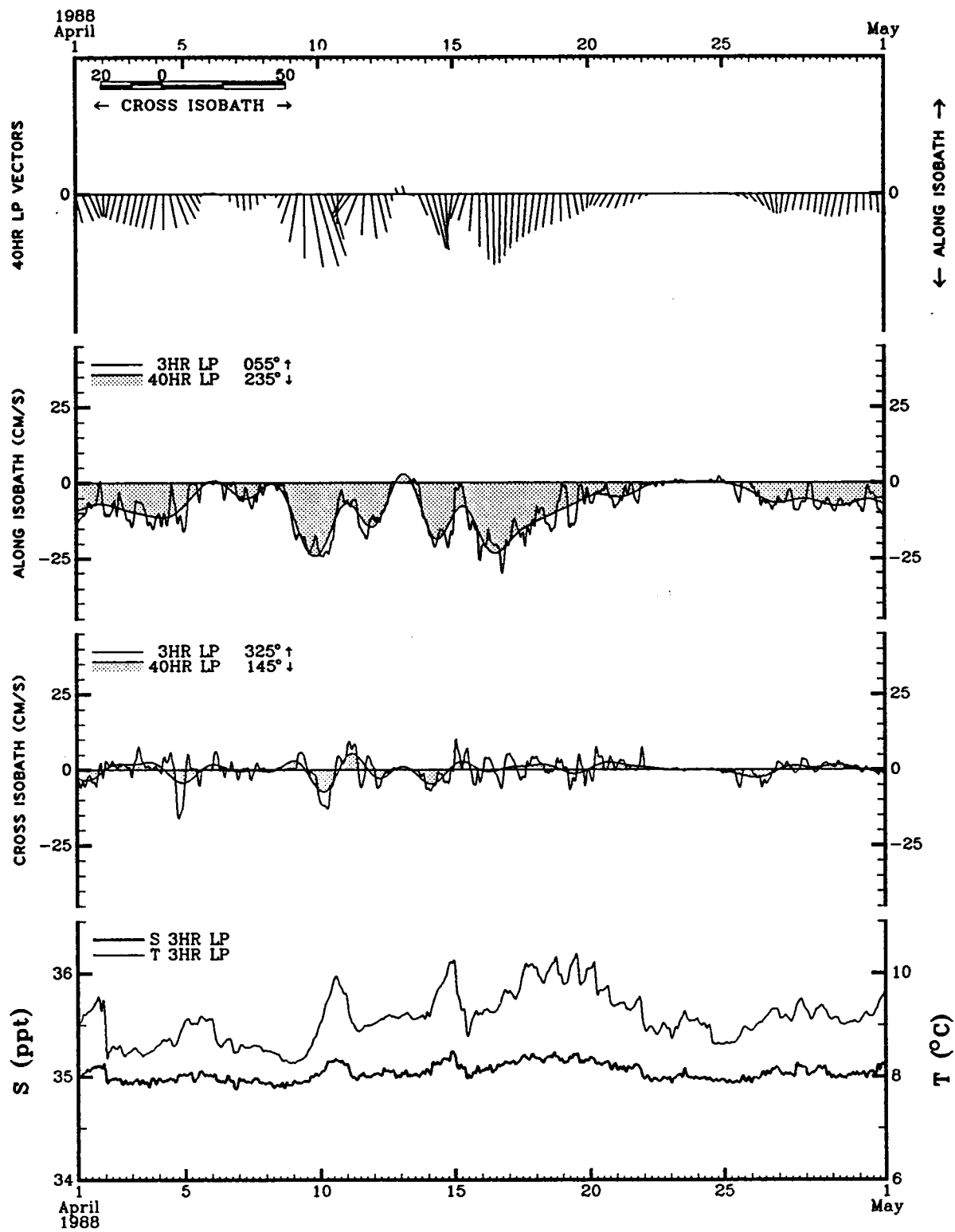




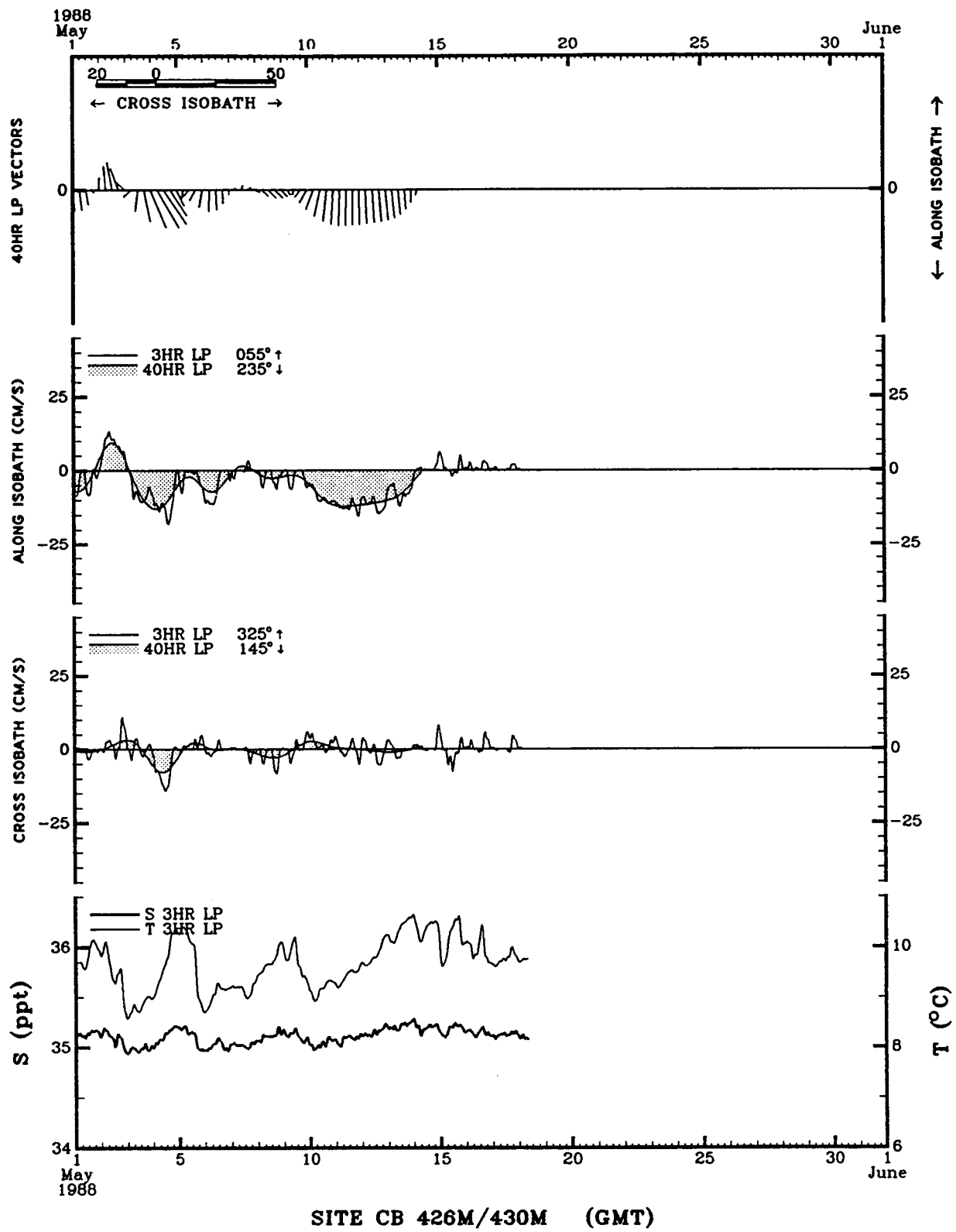
SITE CB 426M/430M (GMT)

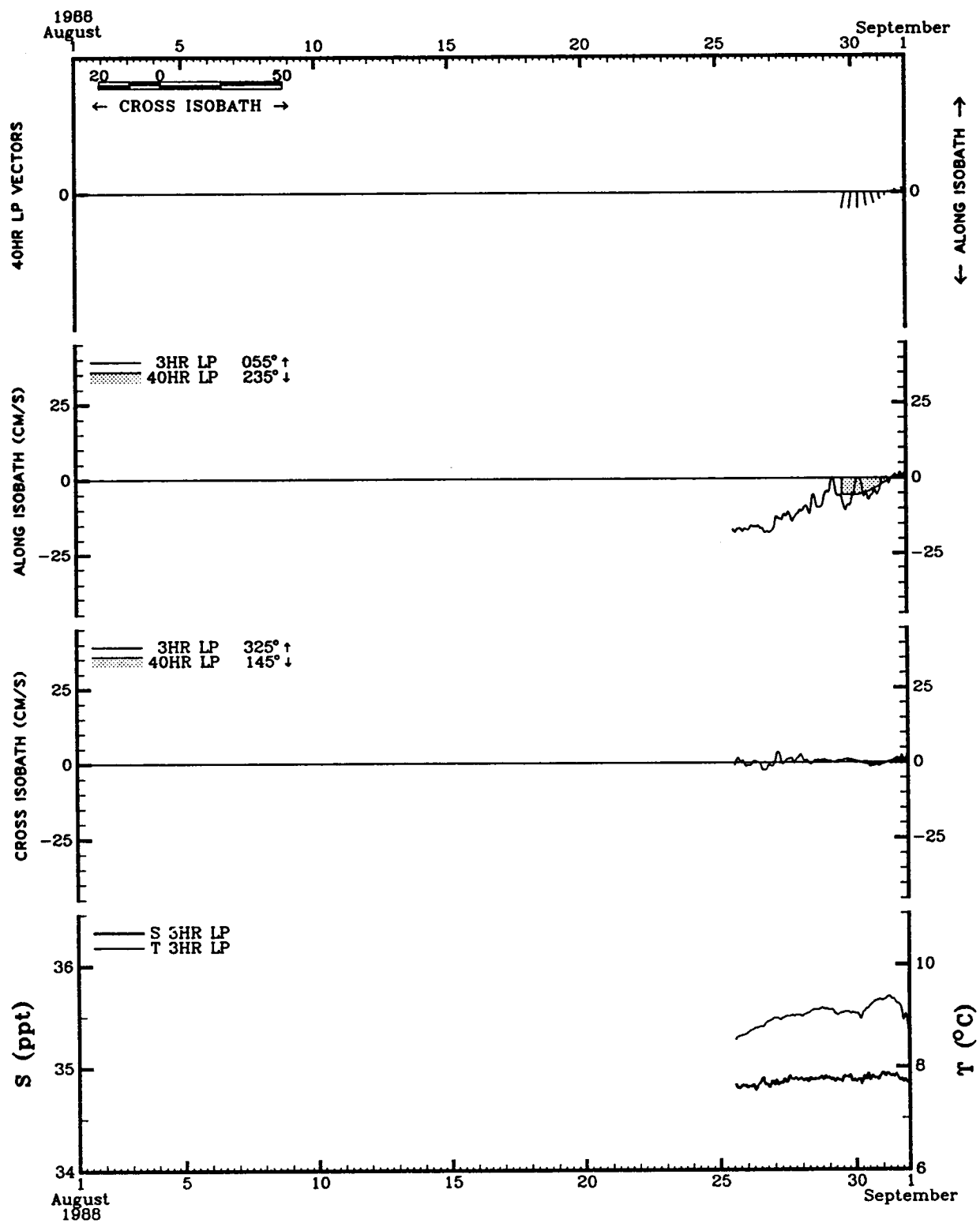




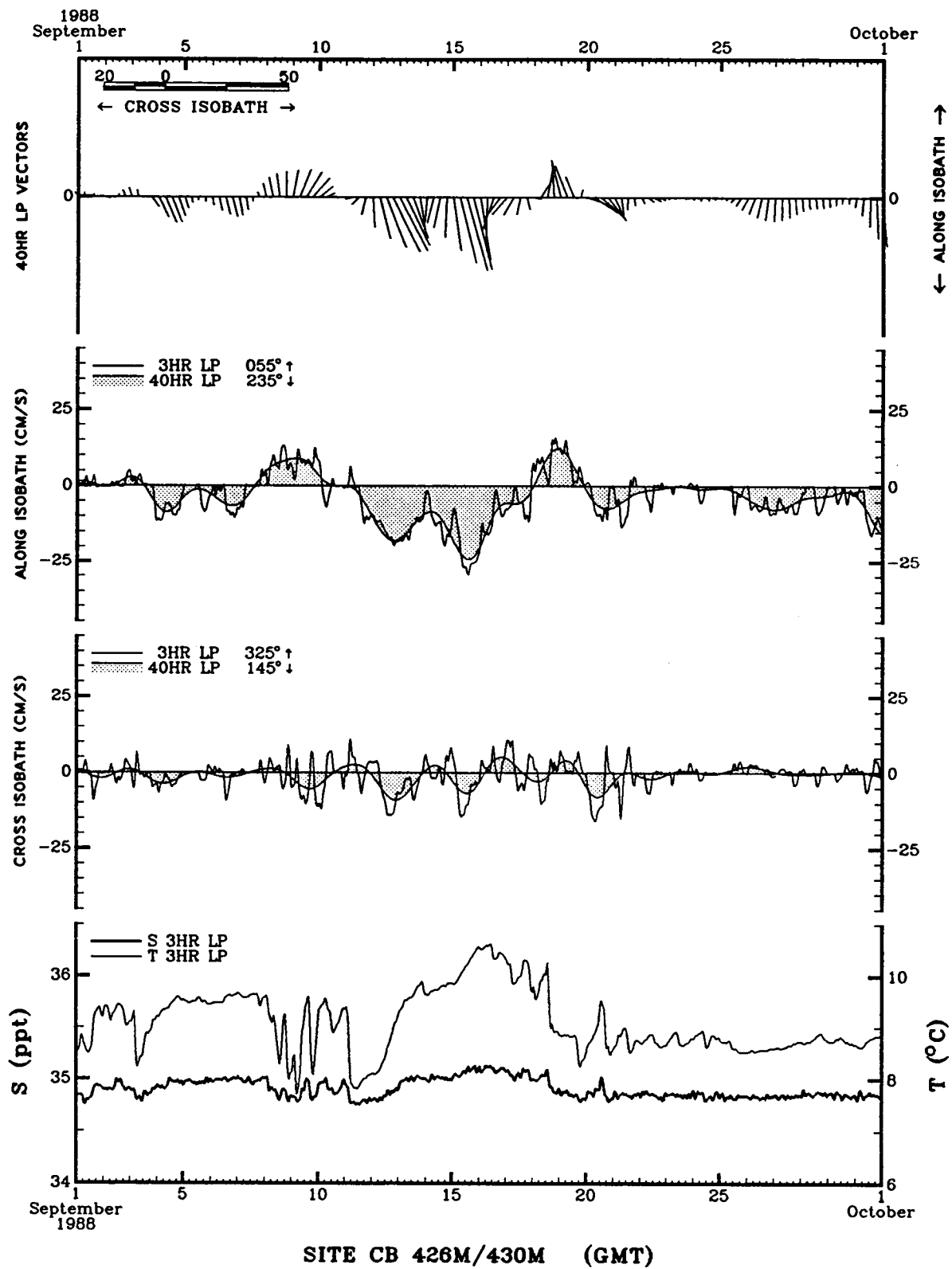


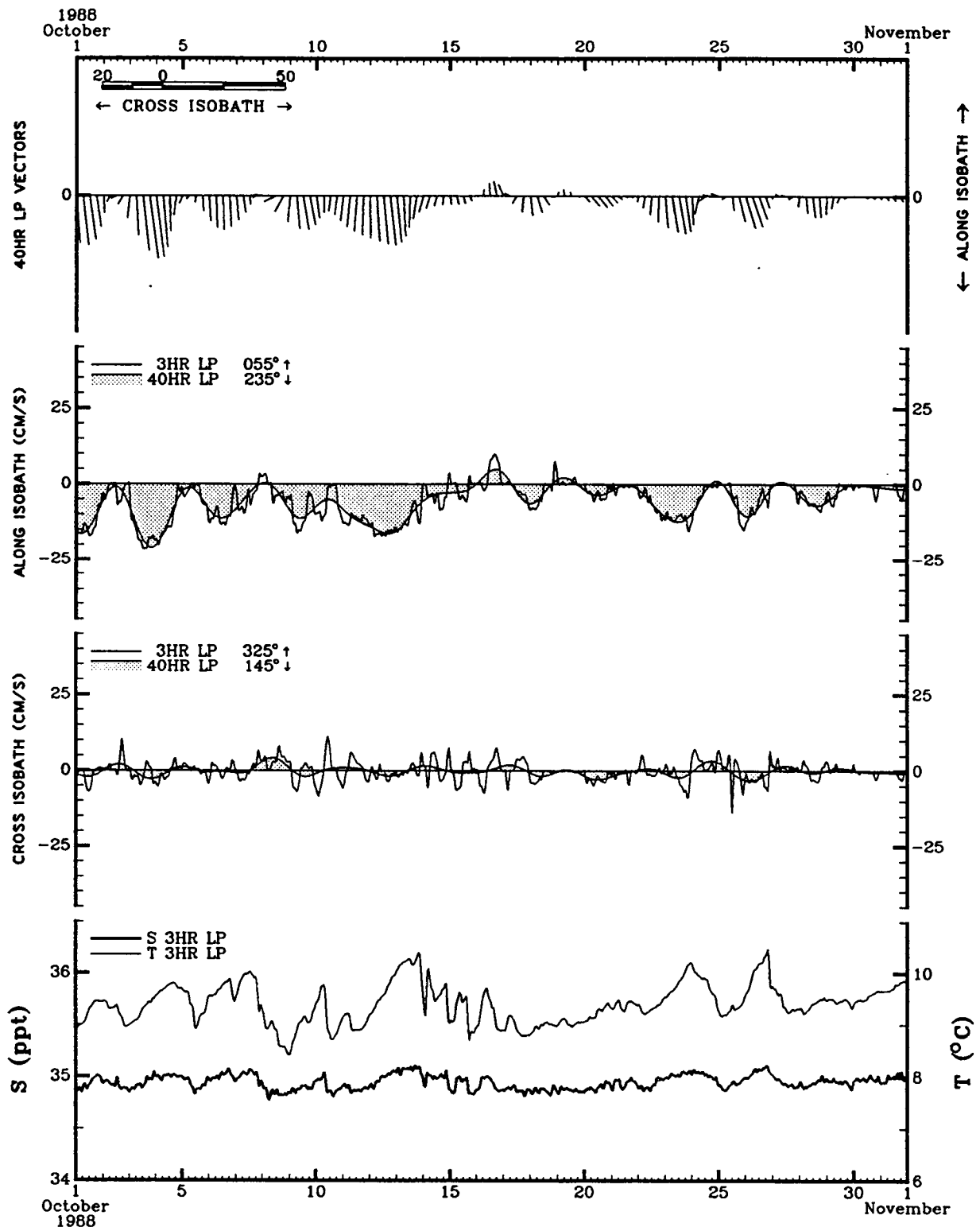
SITE CB 426M/430M (GMT)



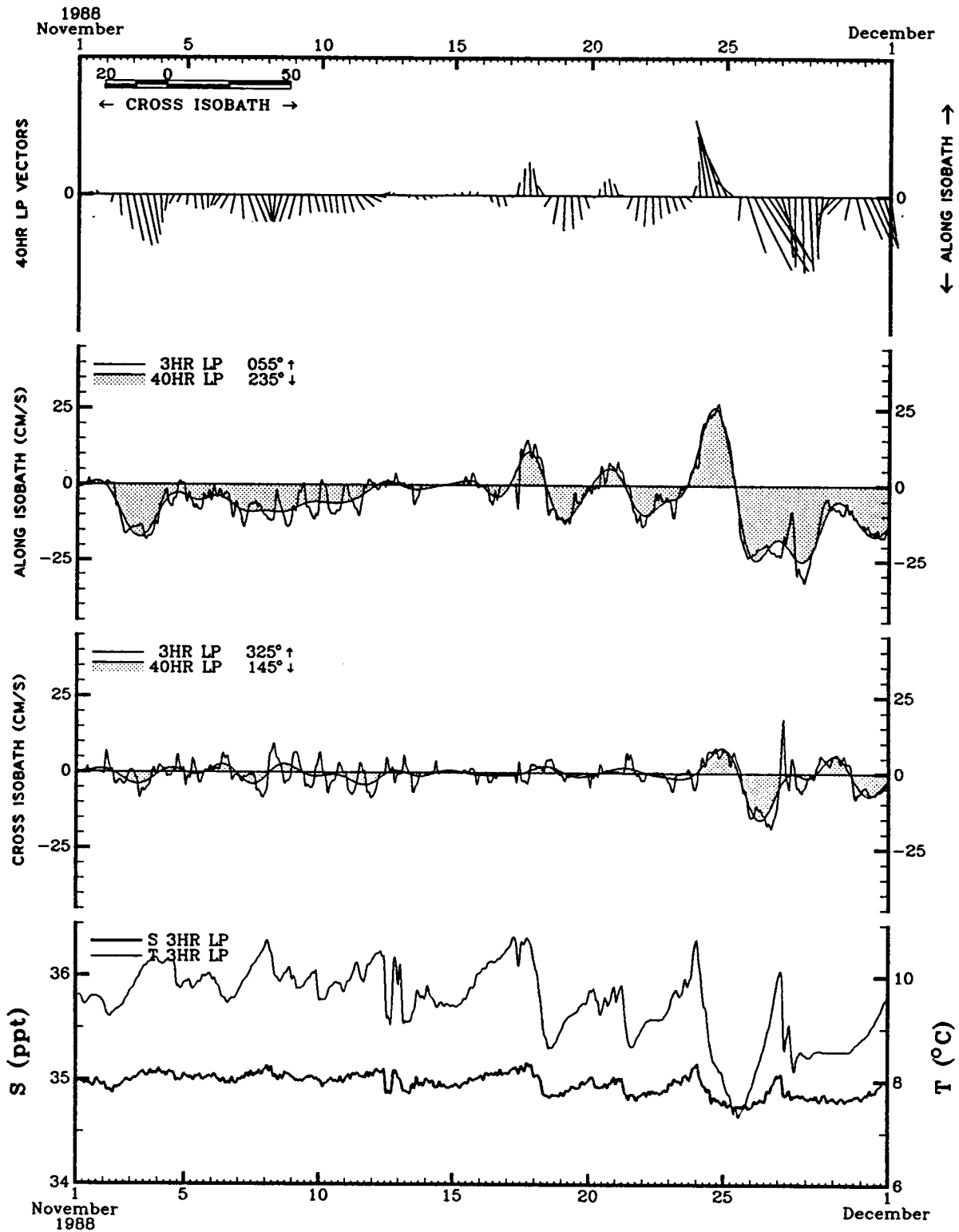


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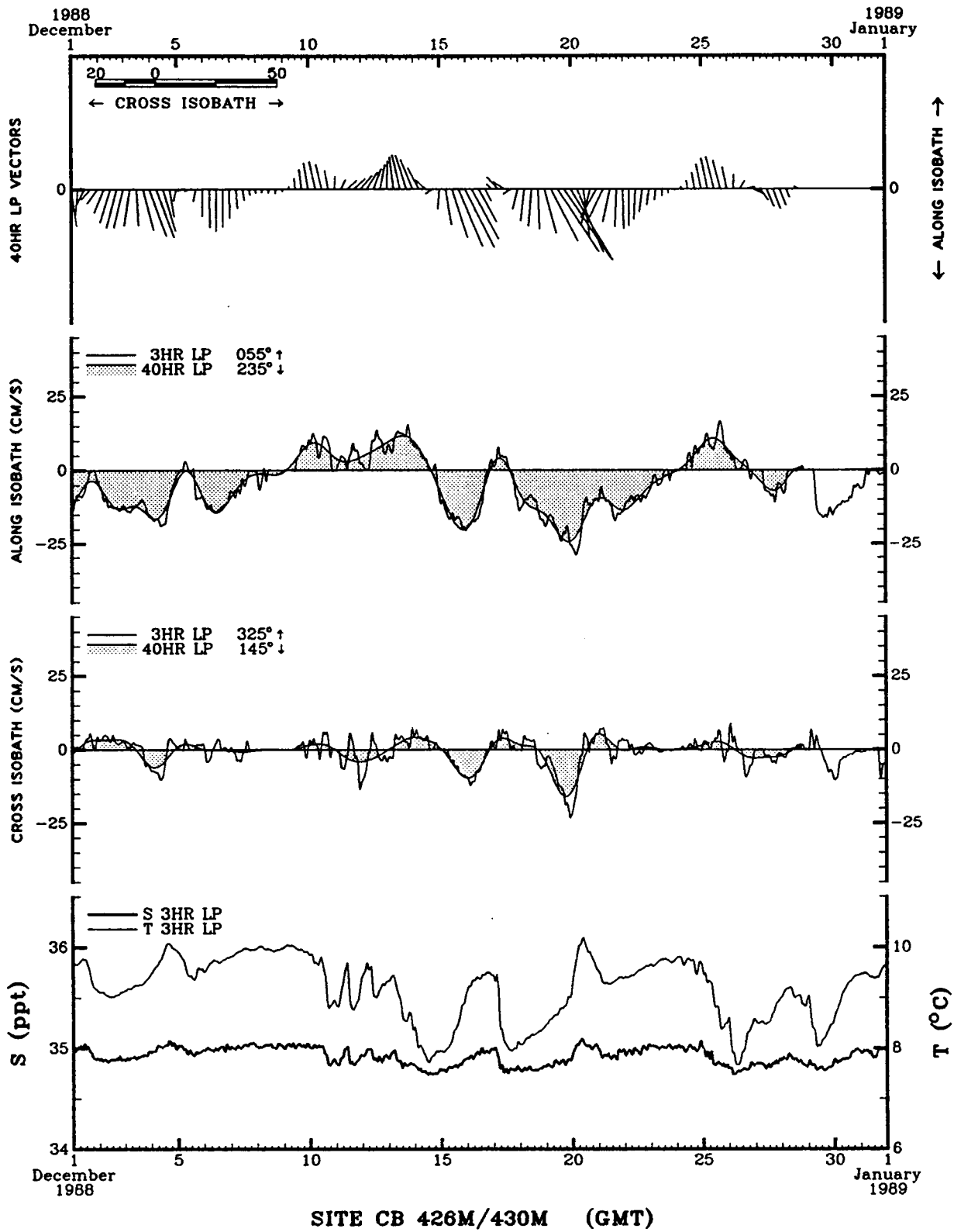


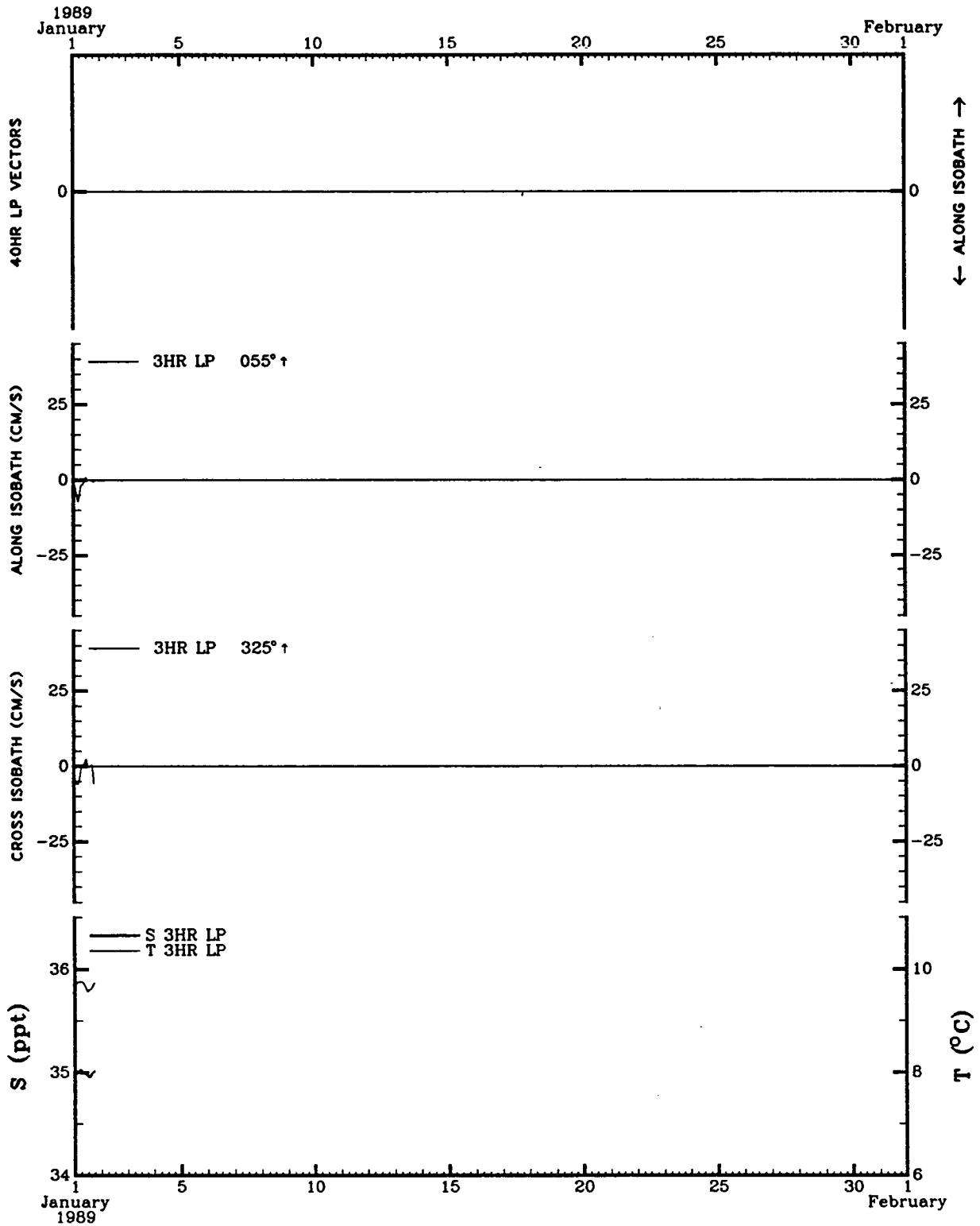


SITE CB 426M/430M (GMT)

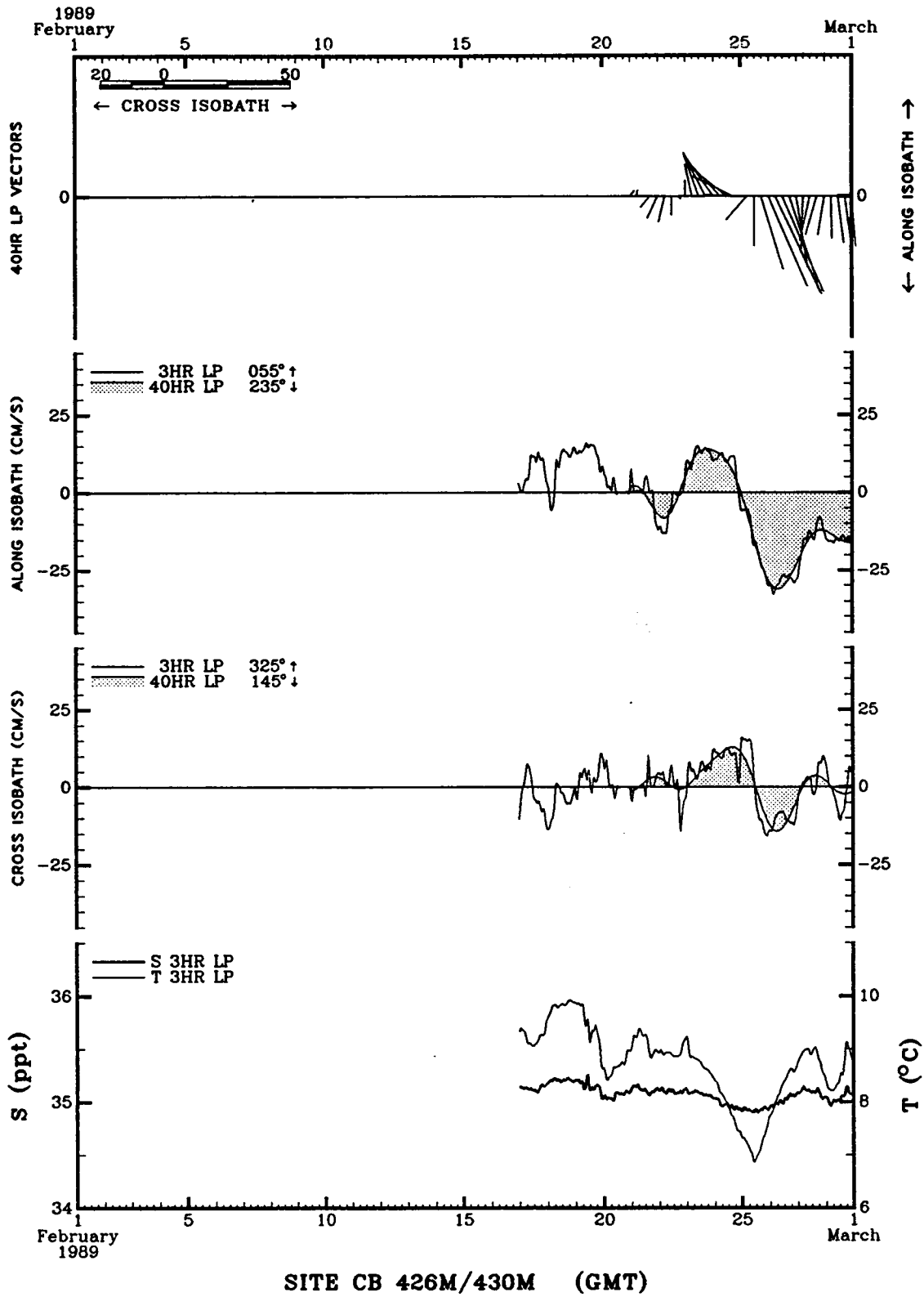


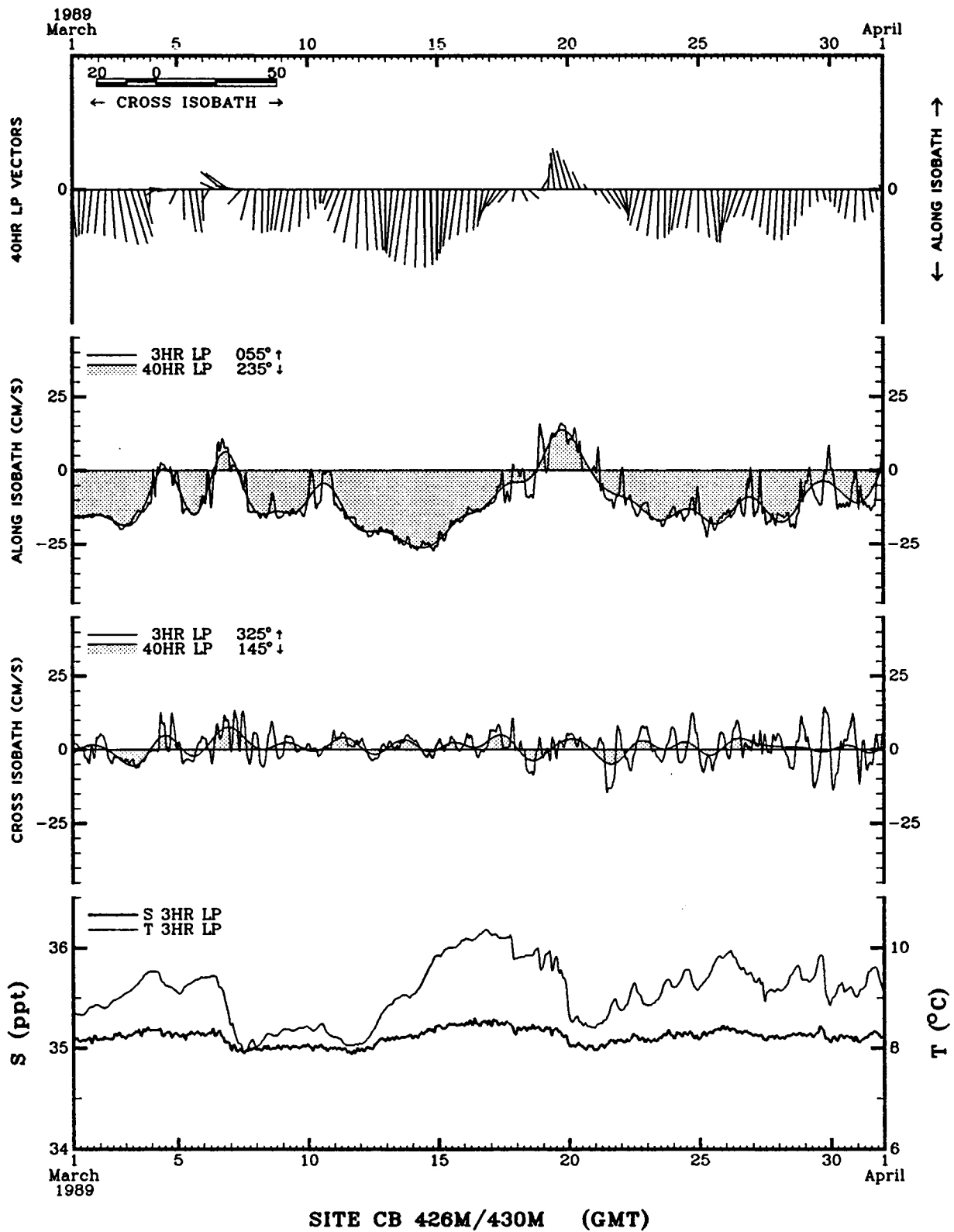
SITE CB 426M/430M (GMT)

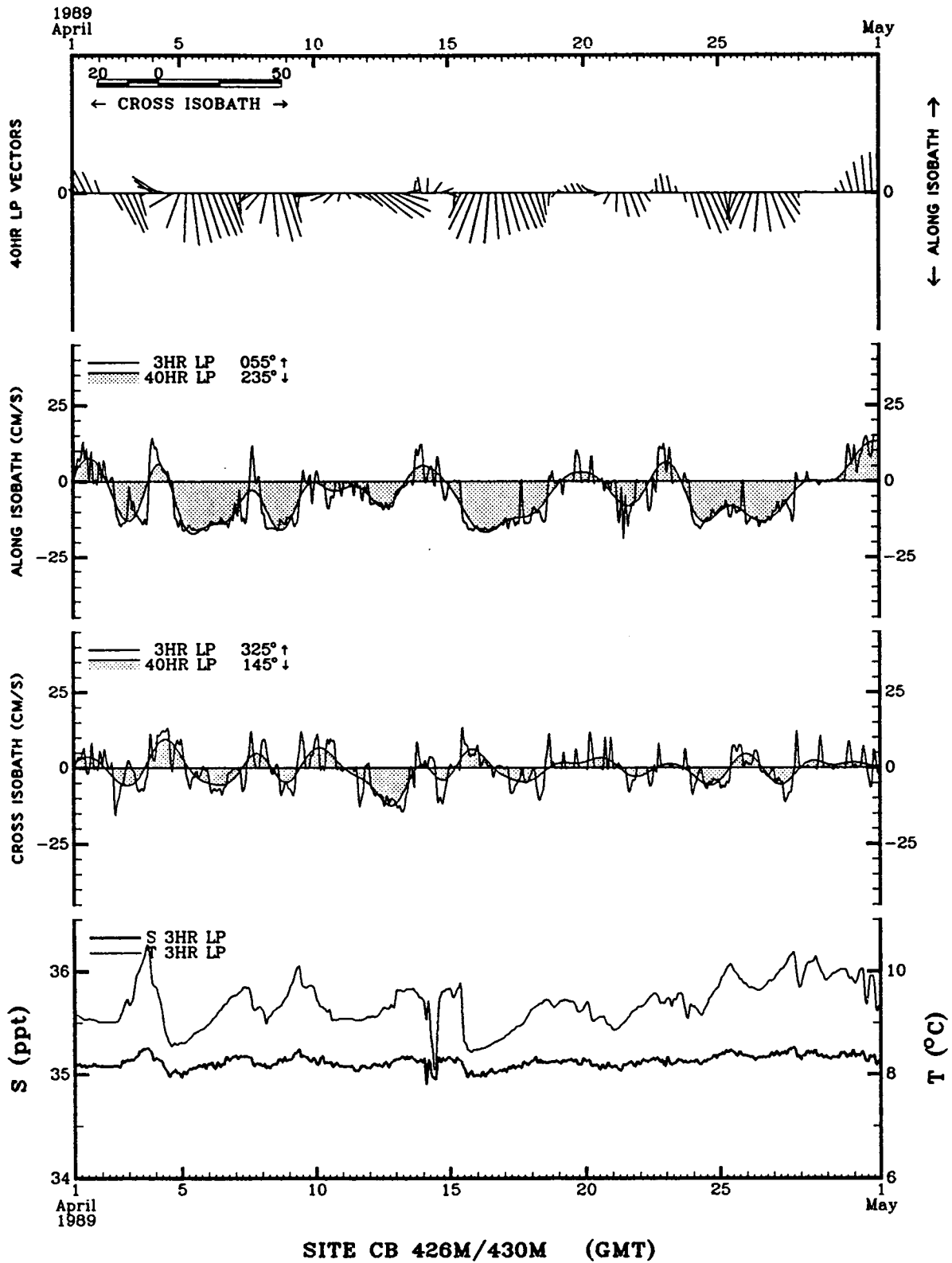


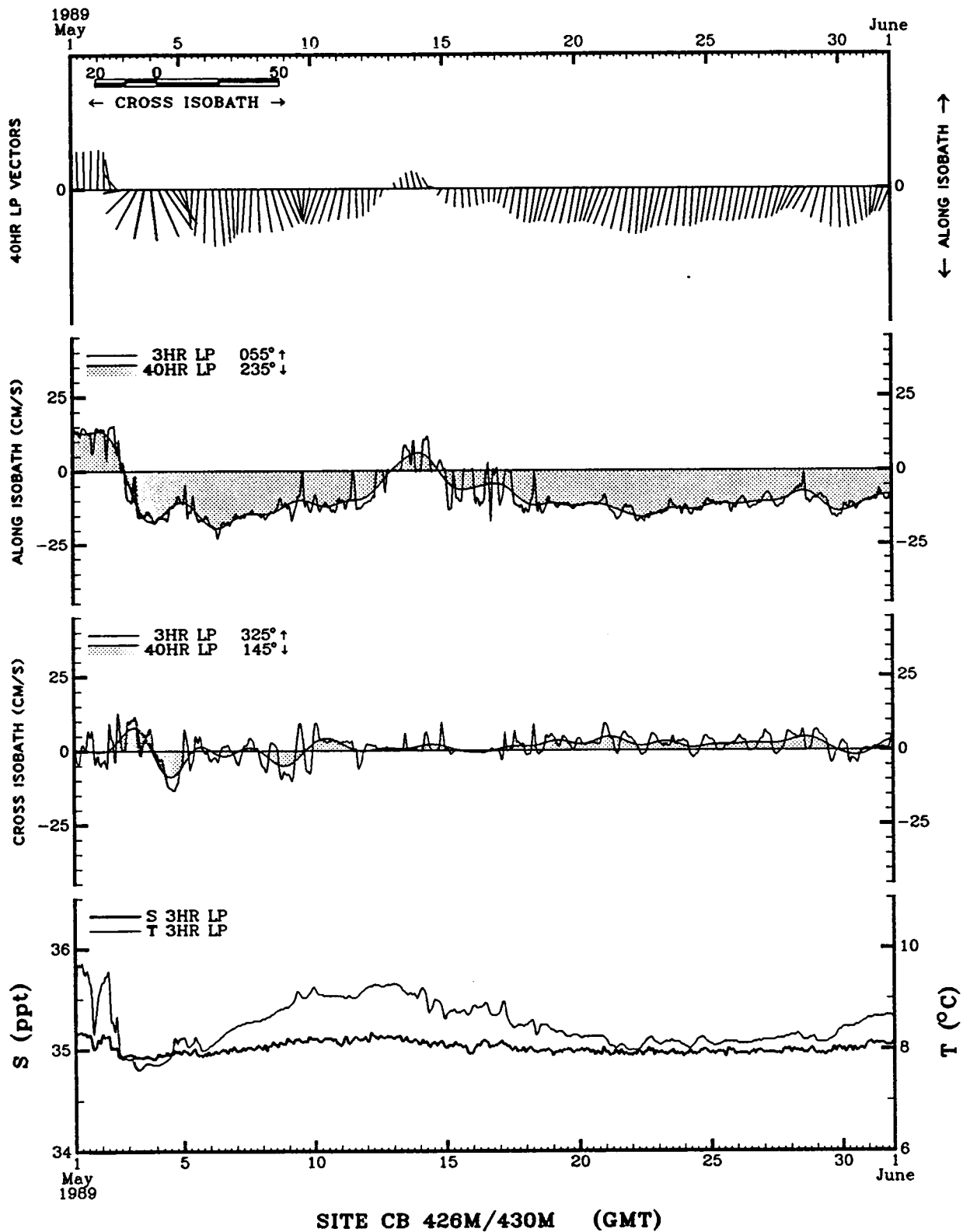


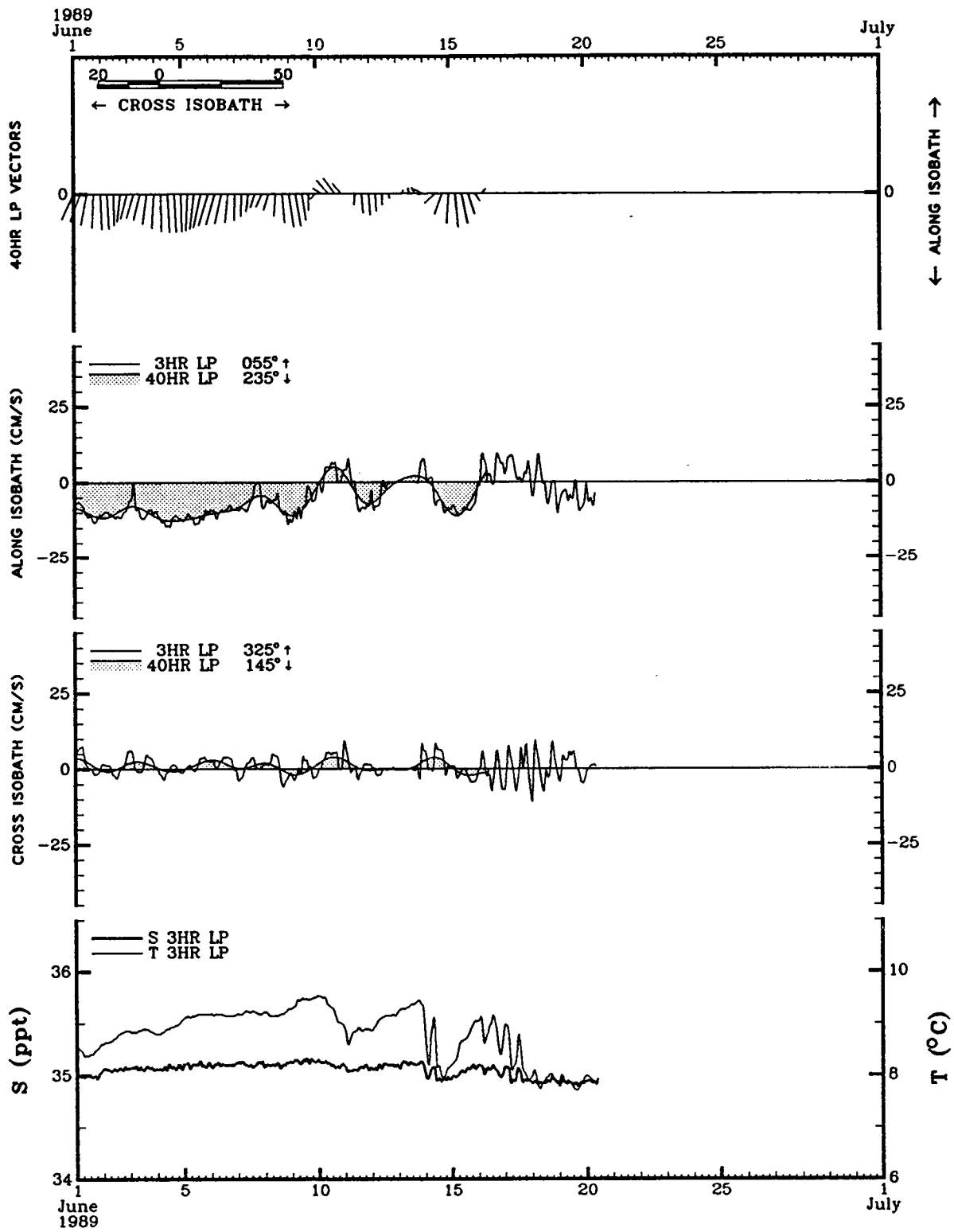
SITE CB 426M/430M (GMT)



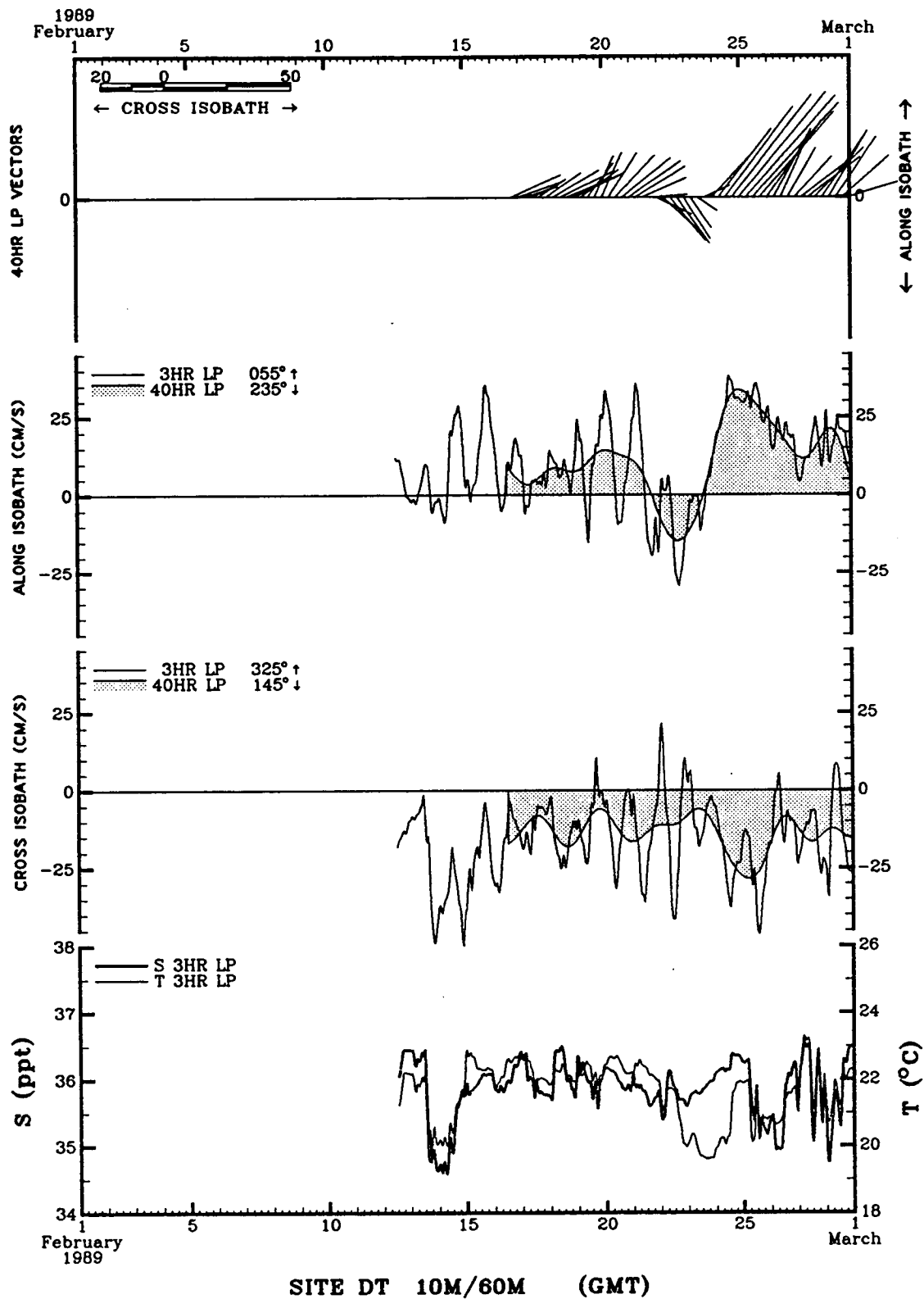


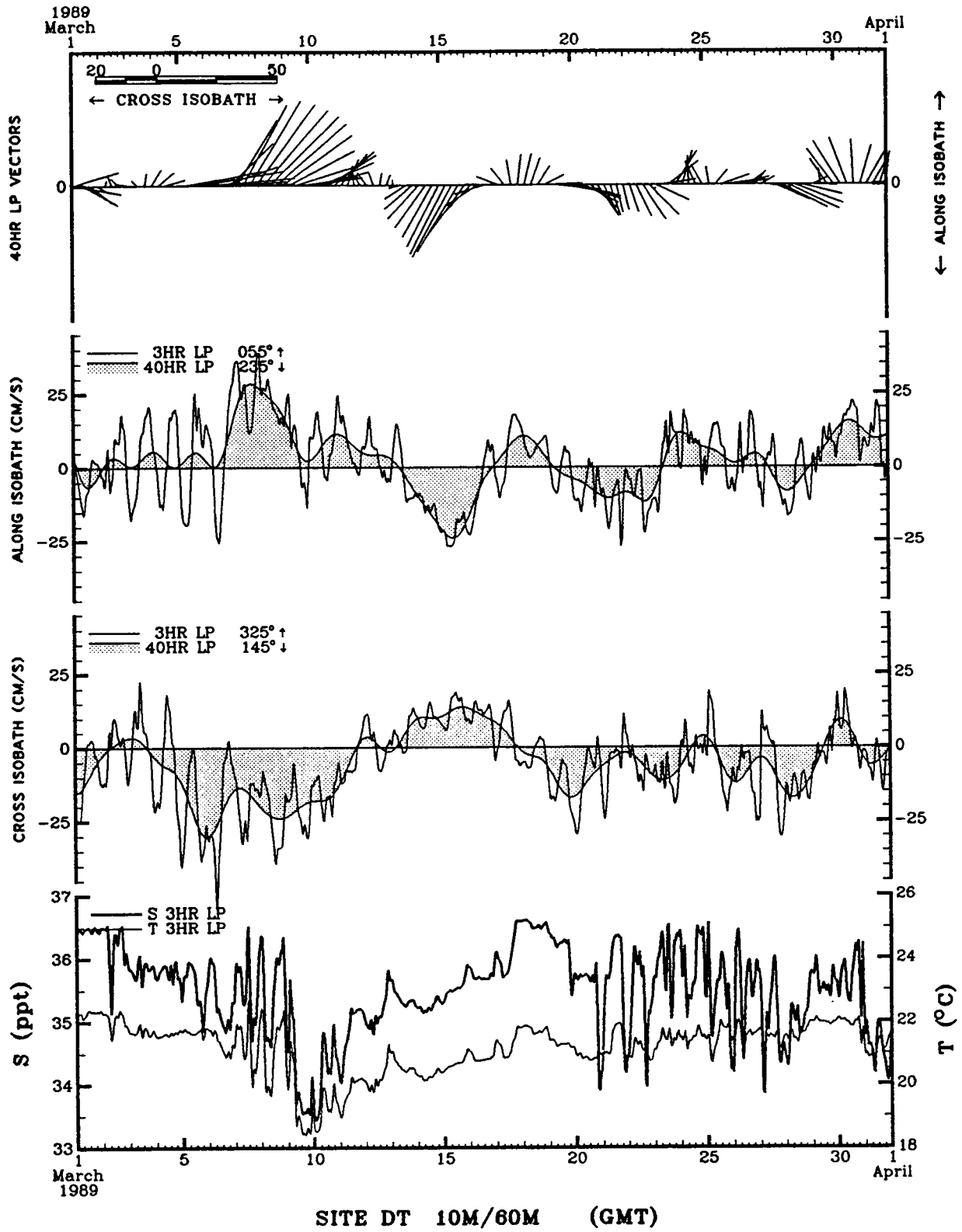


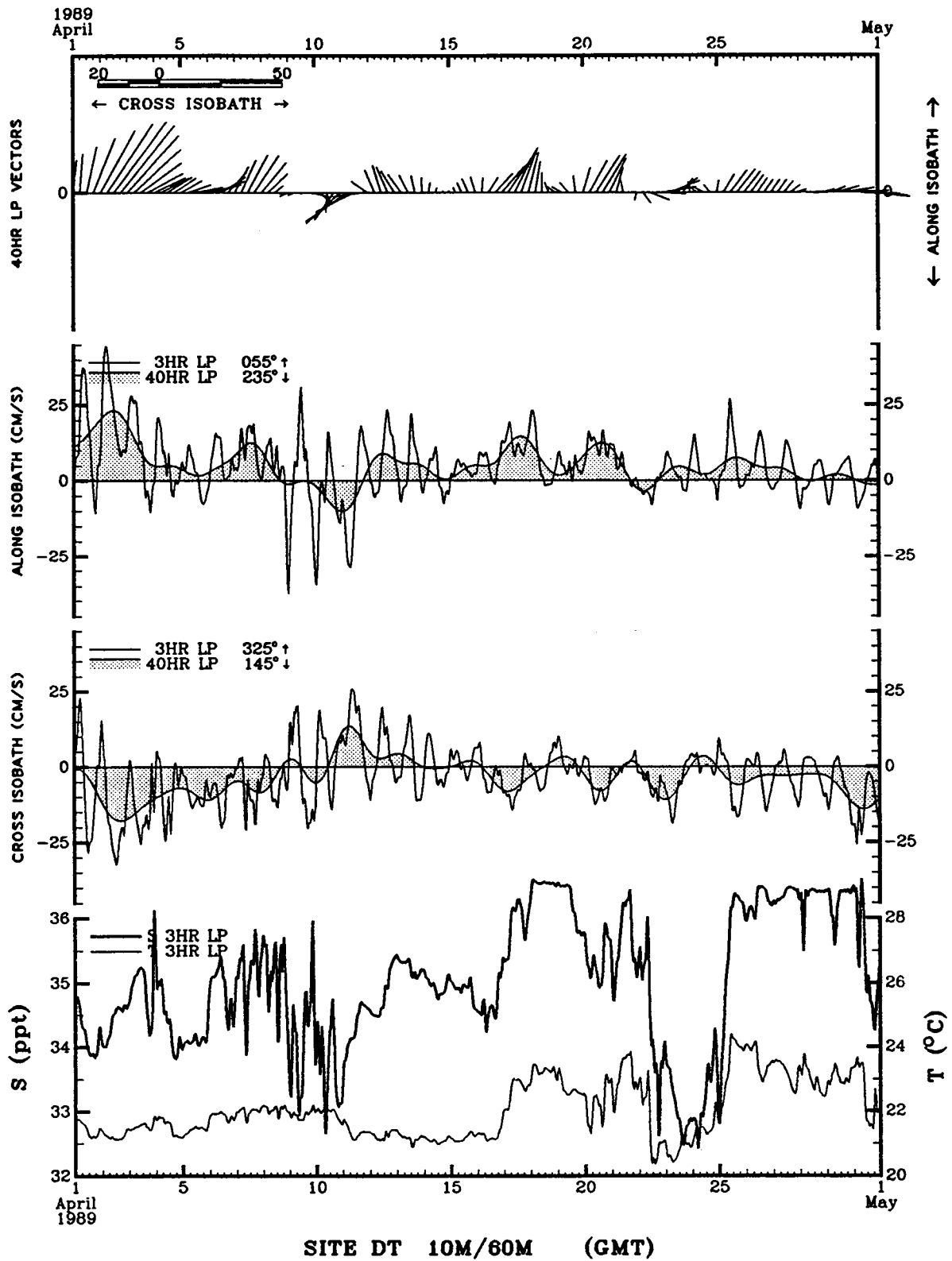


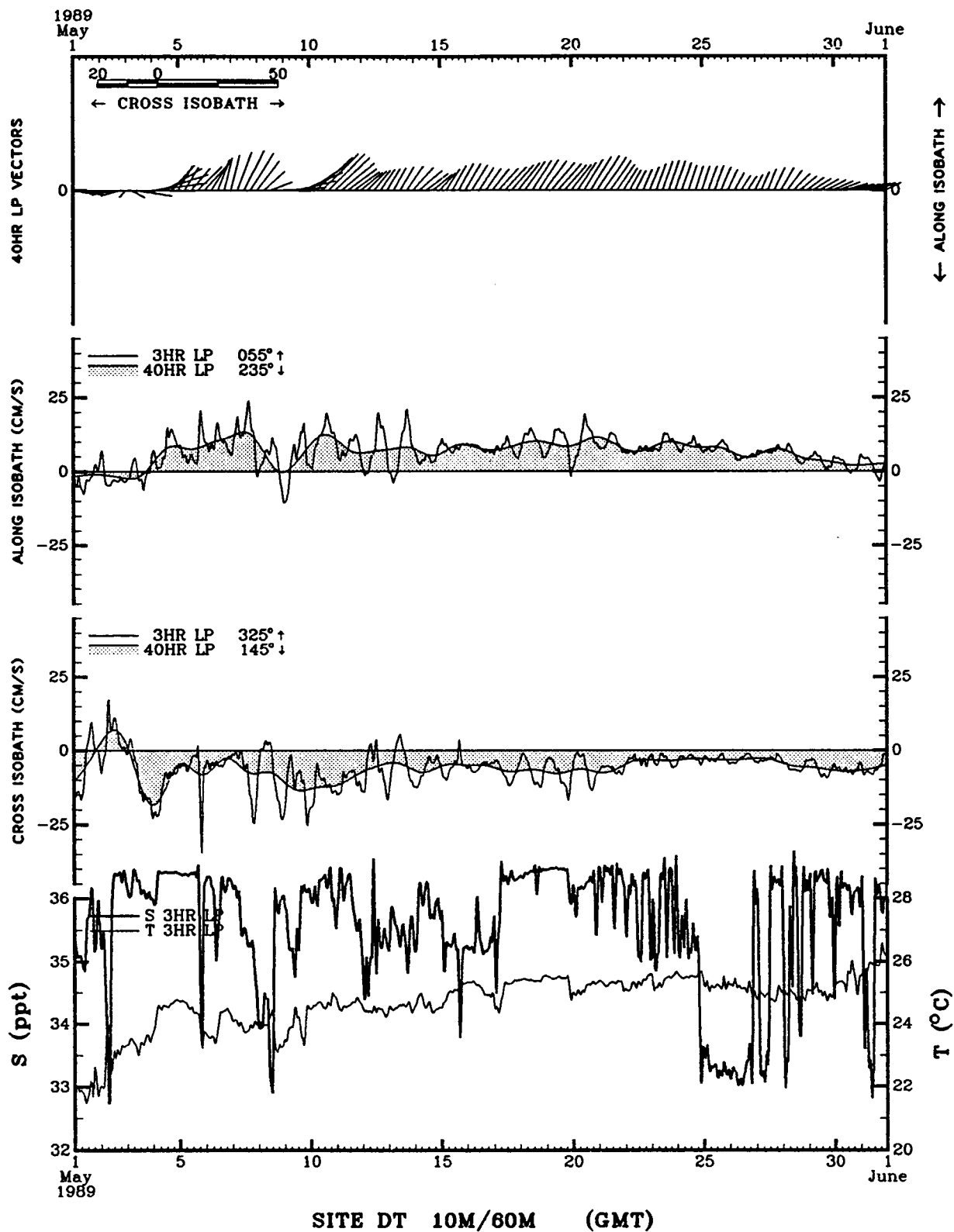


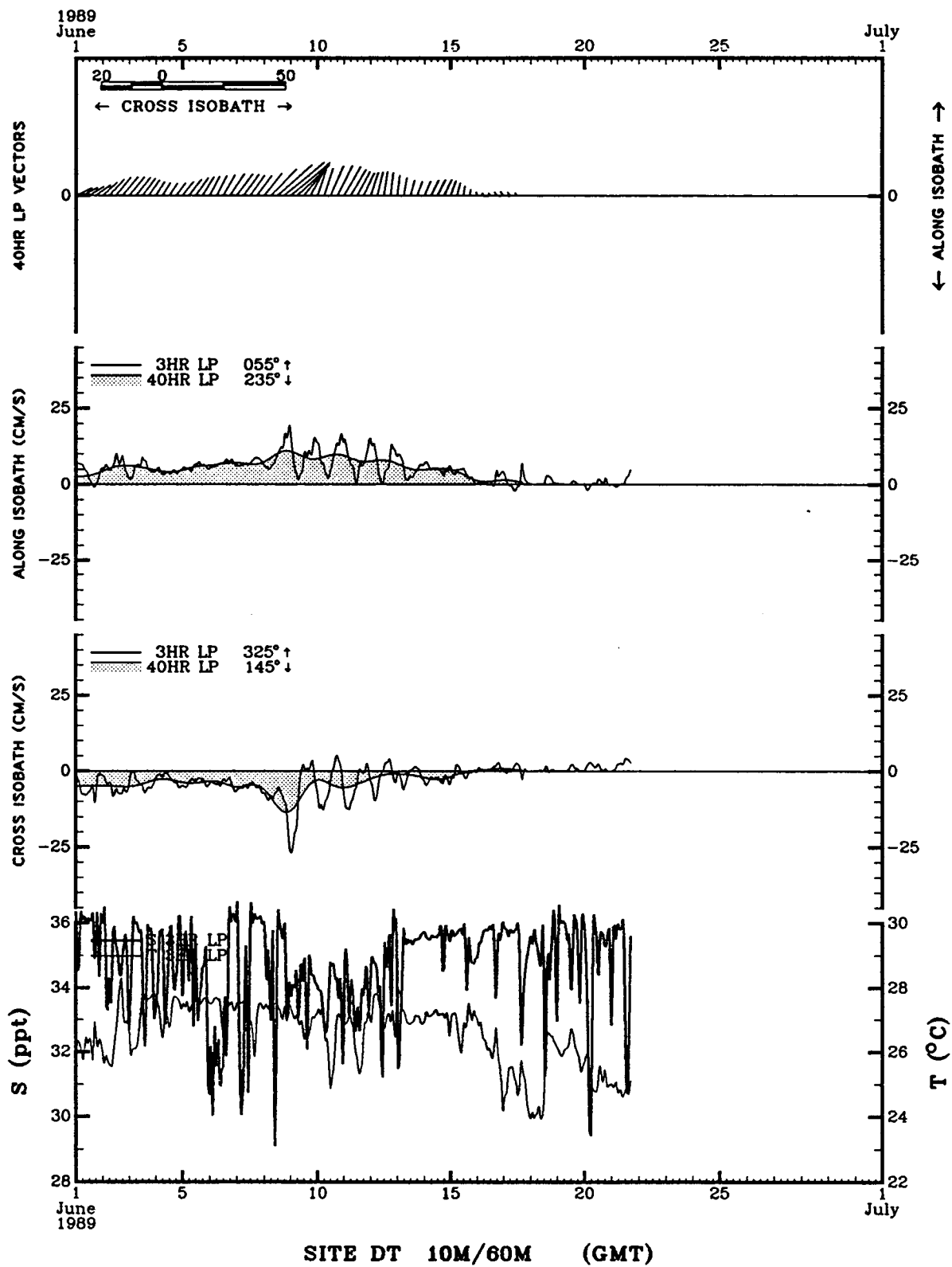
SITE CB 426M/430M (GMT)

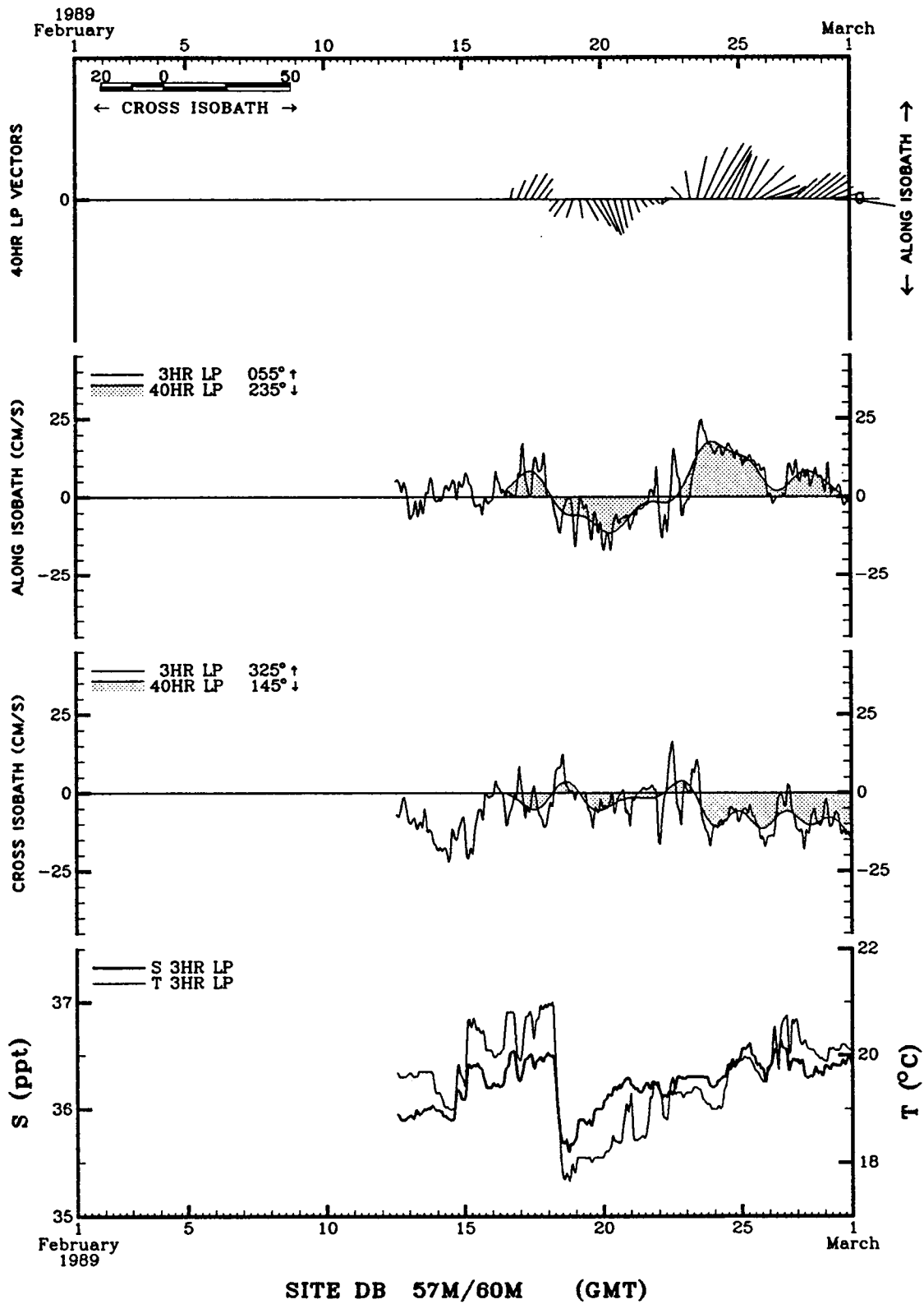


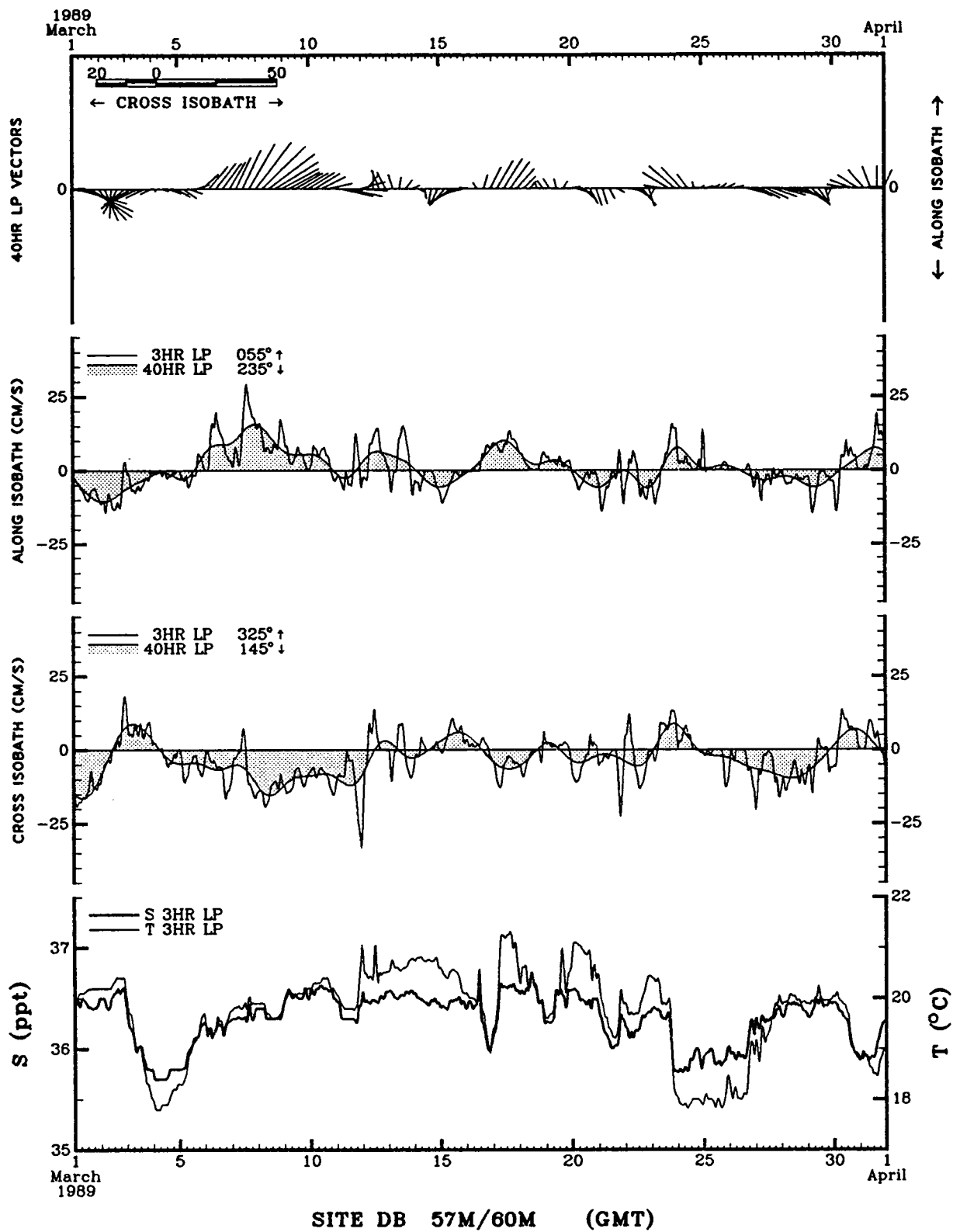


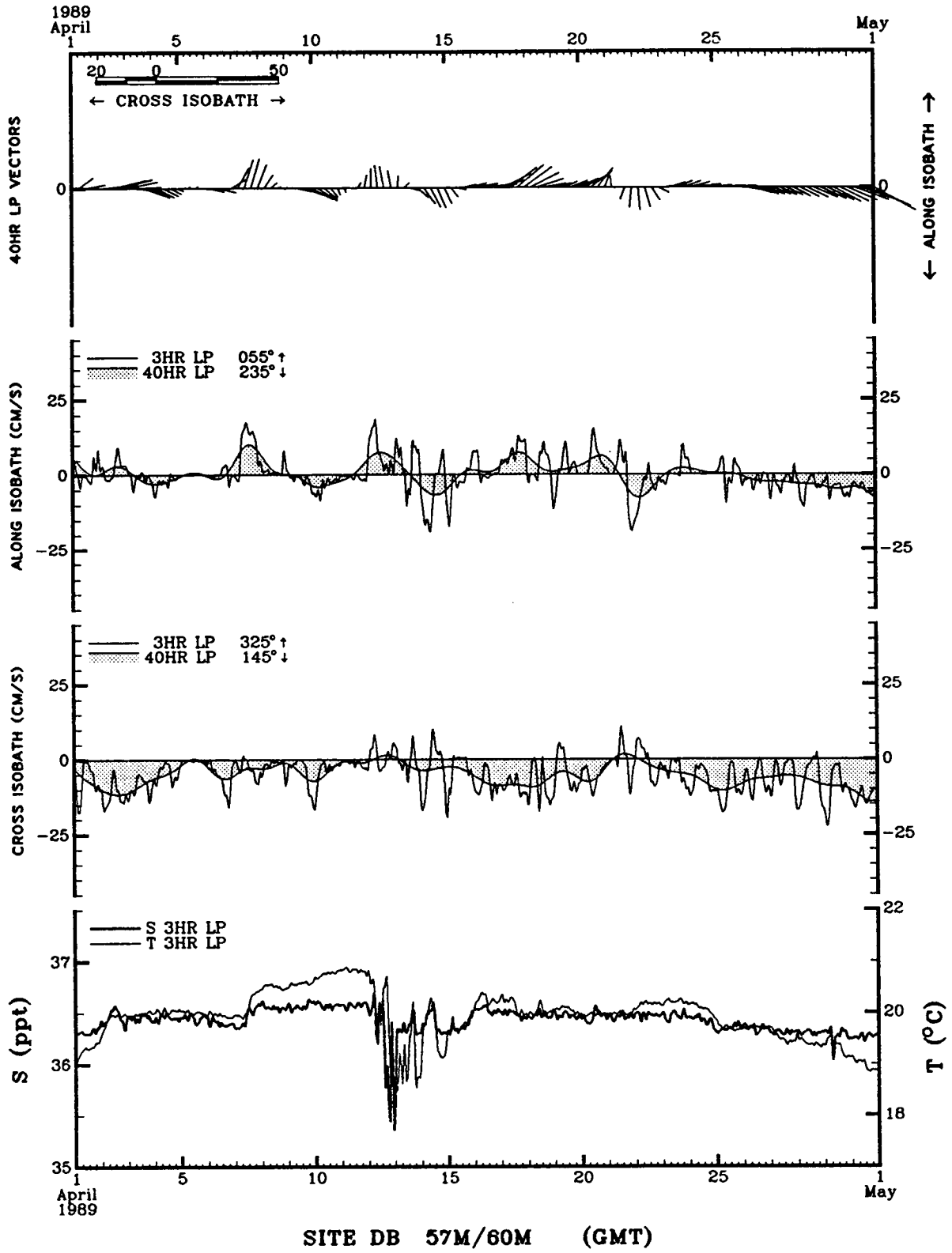


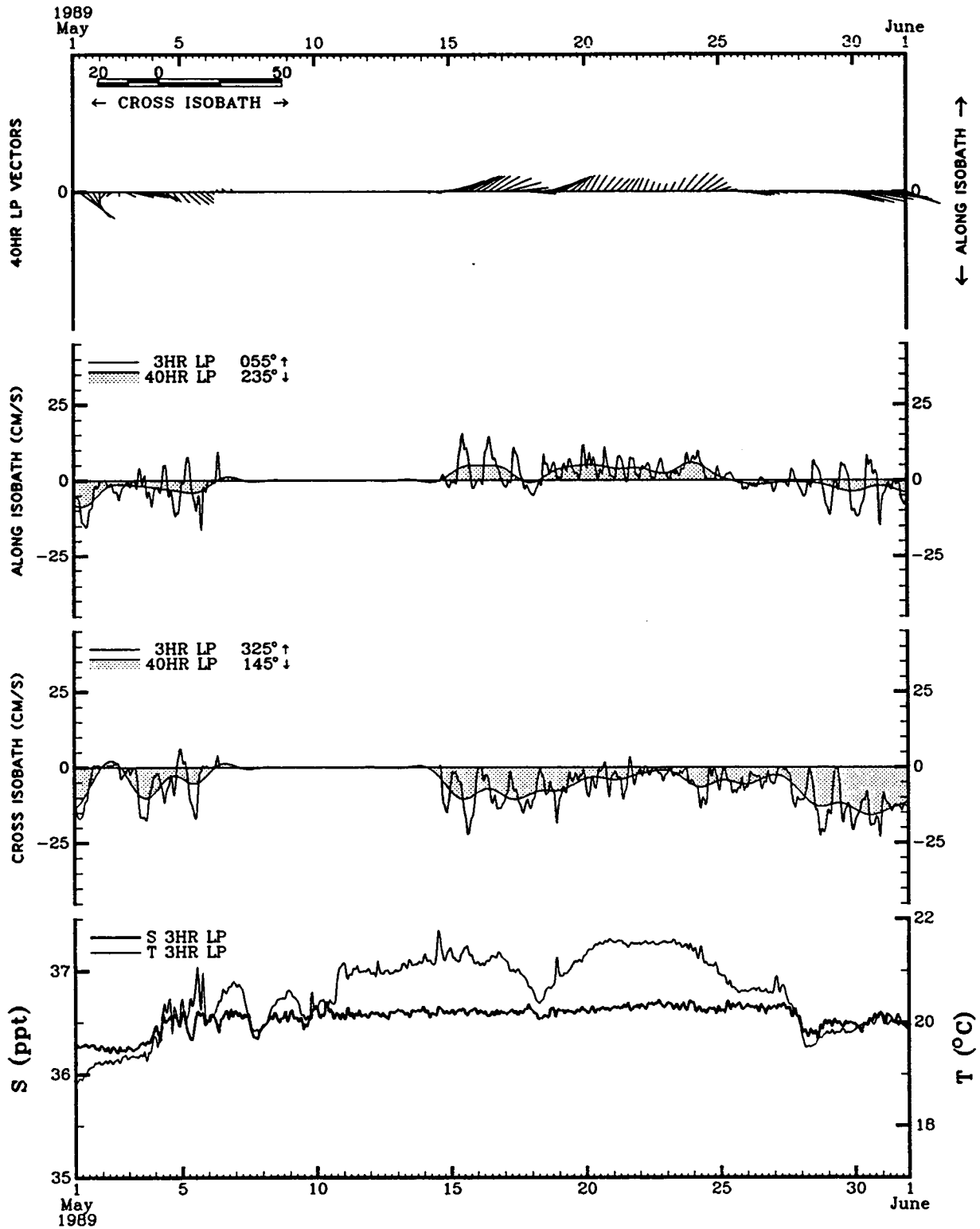




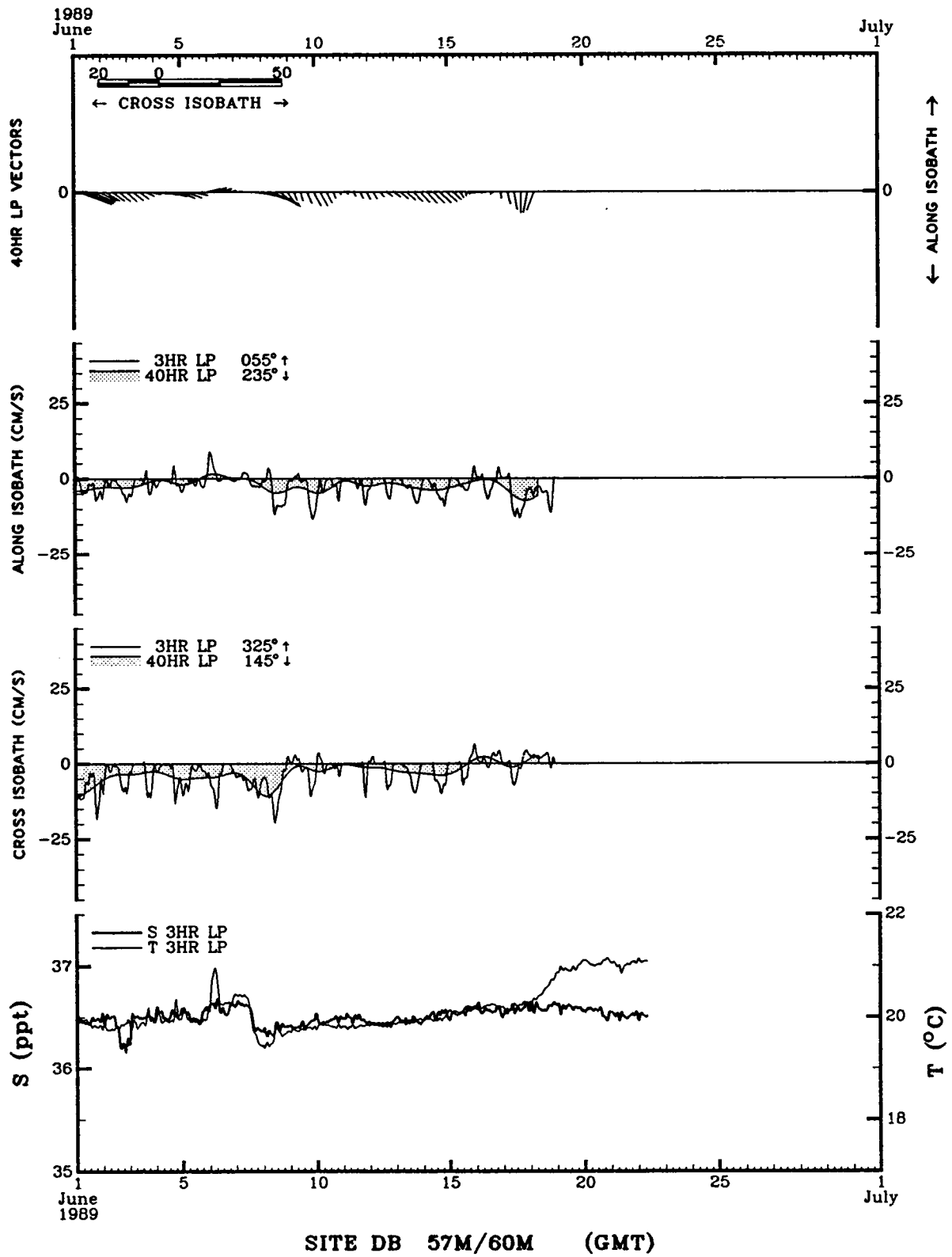


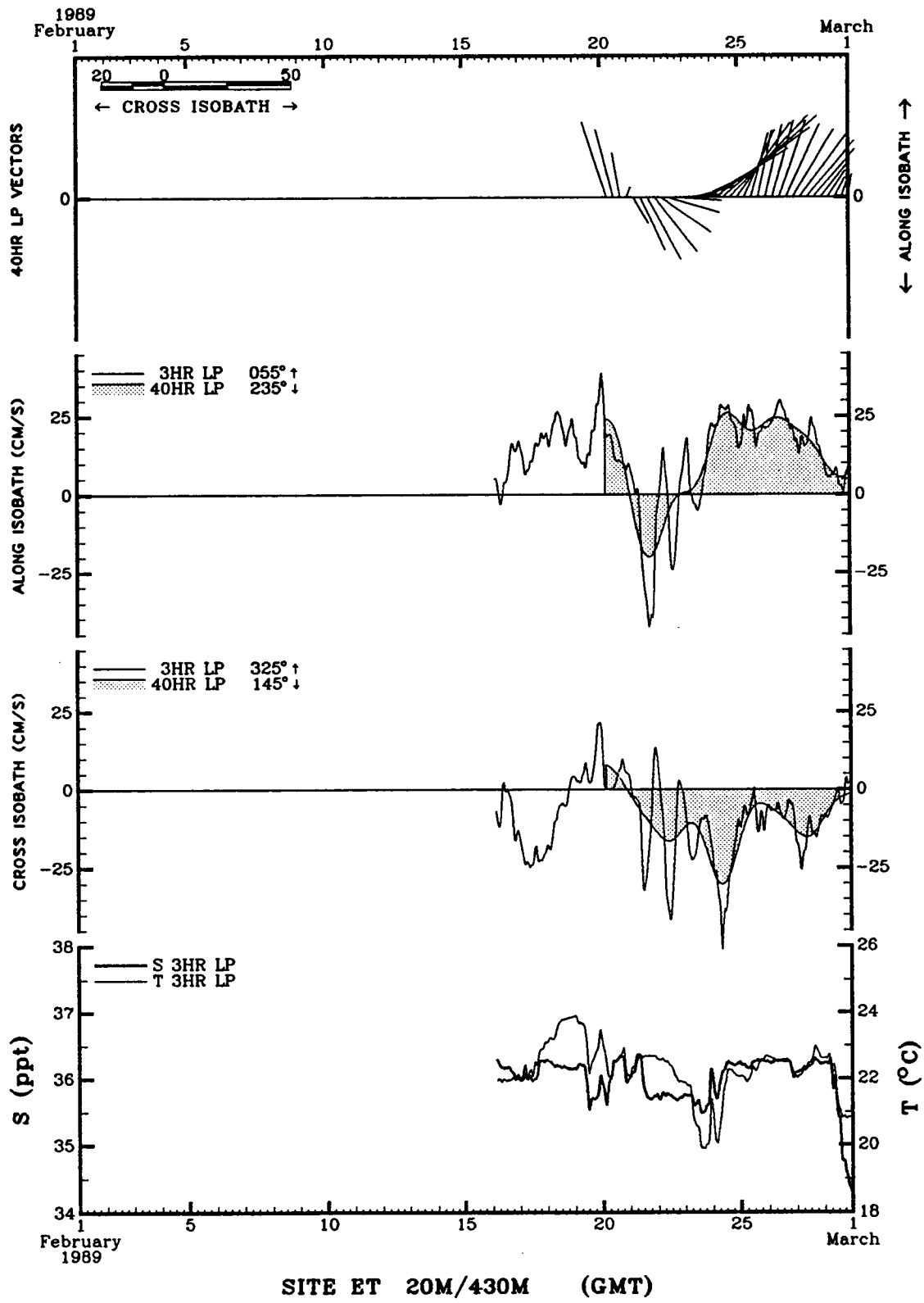


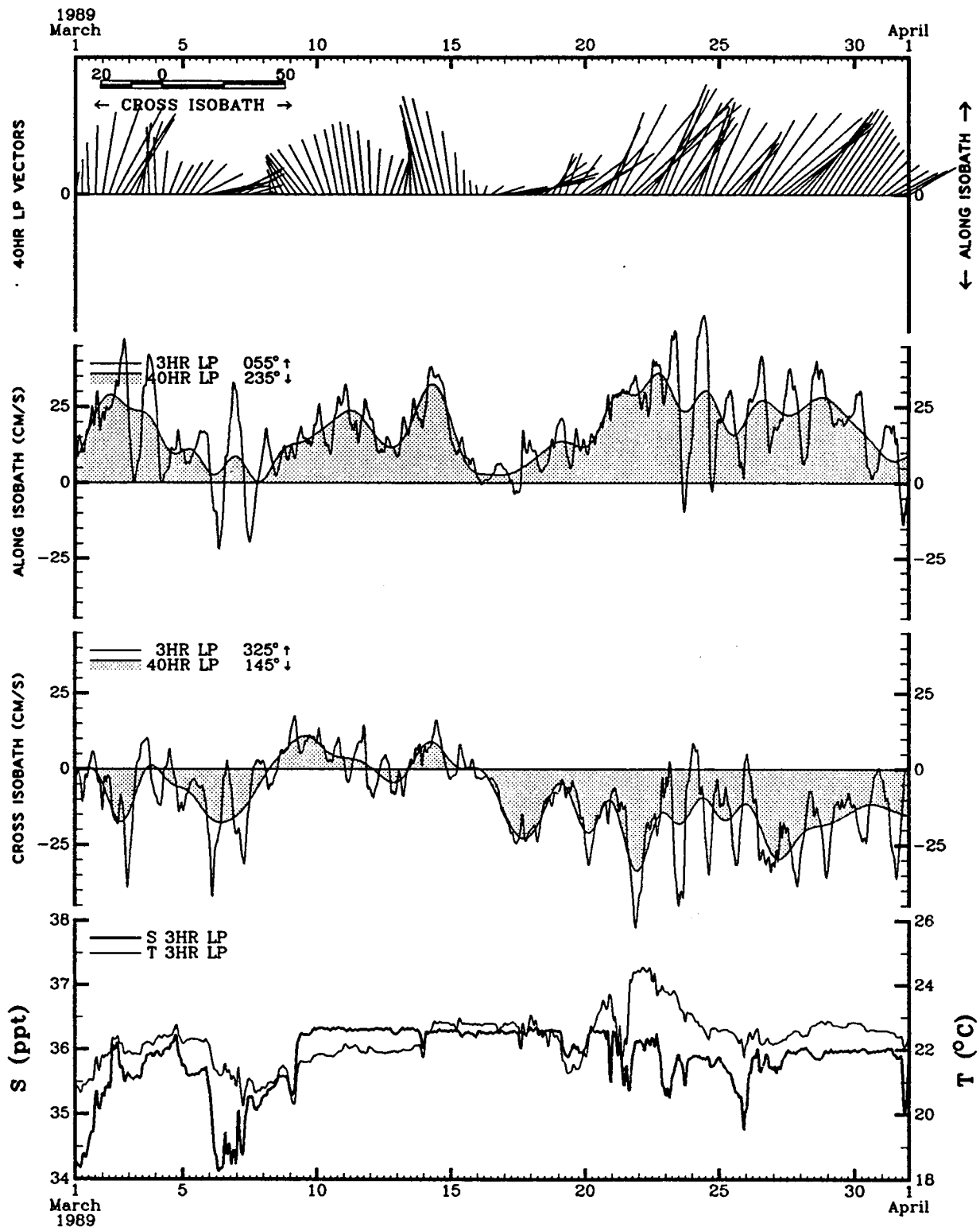




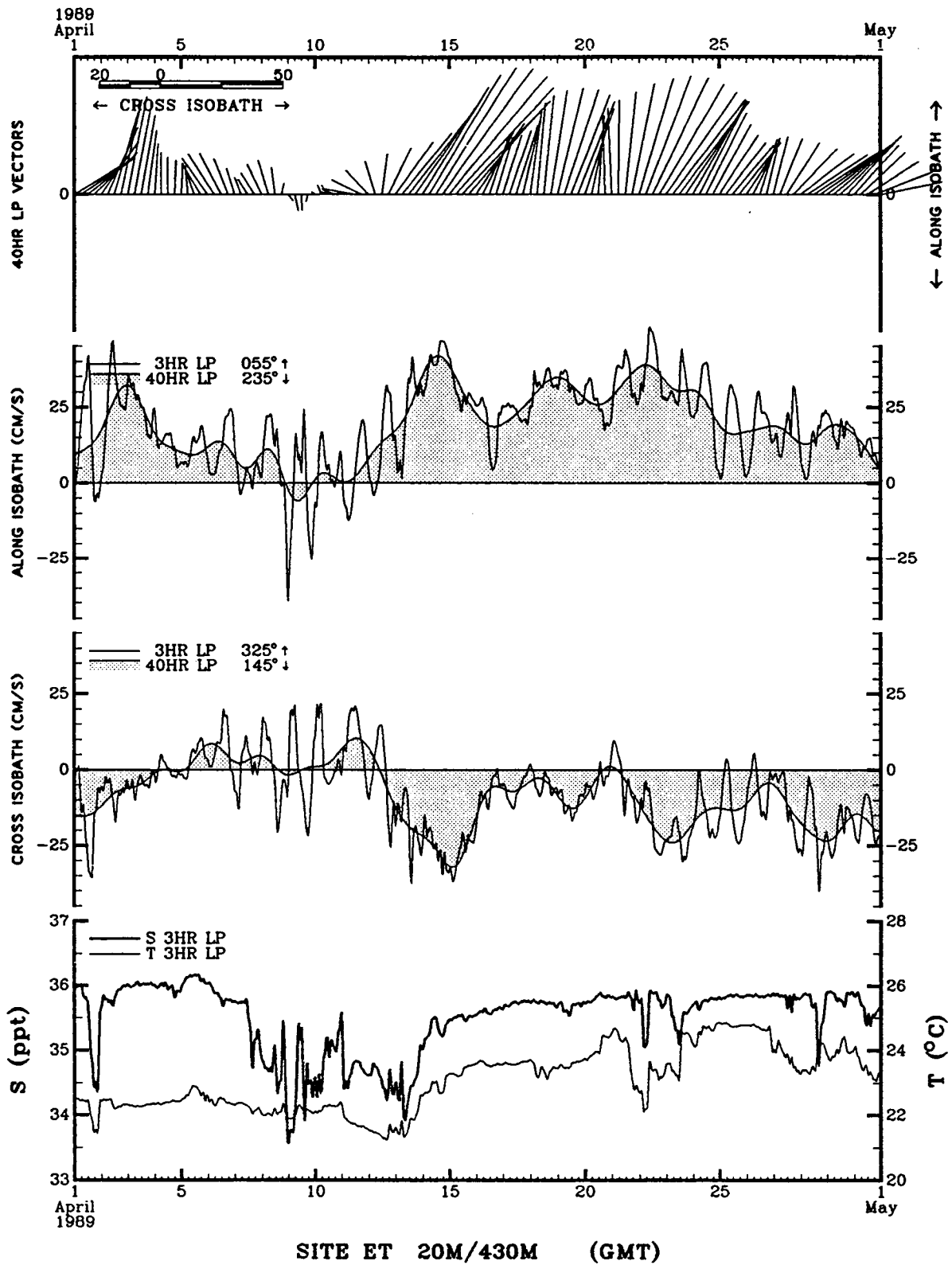
SITE DB 57M/60M (GMT)

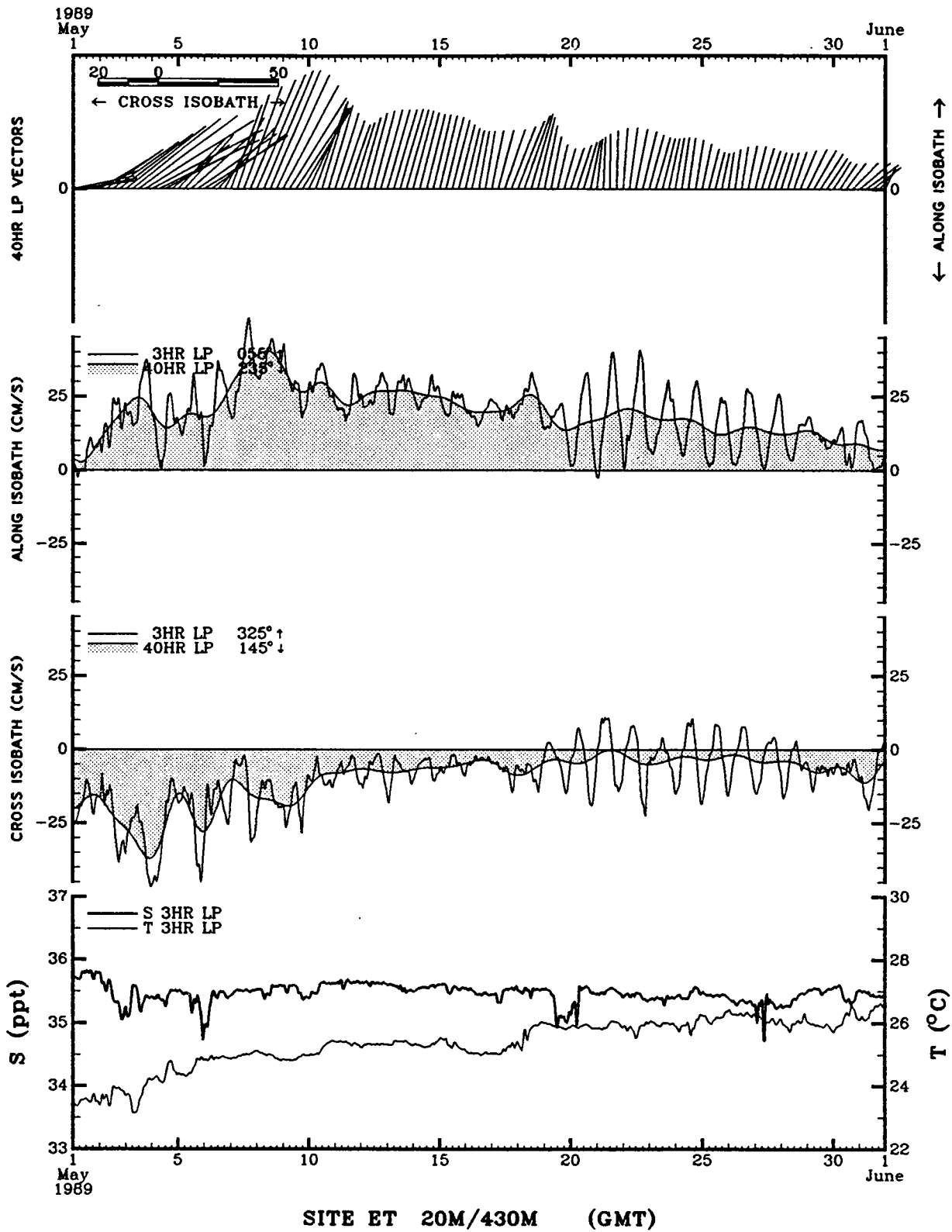


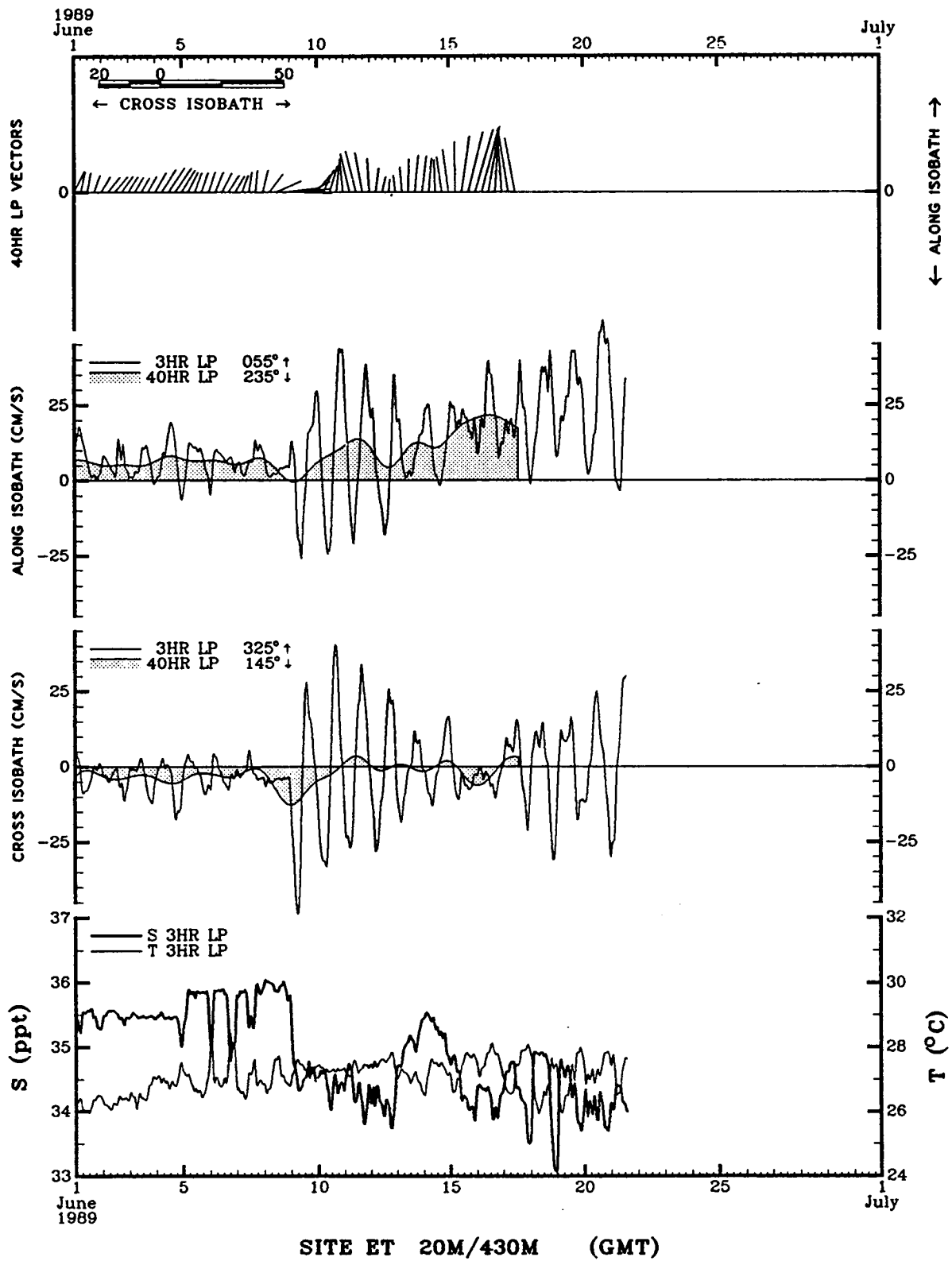


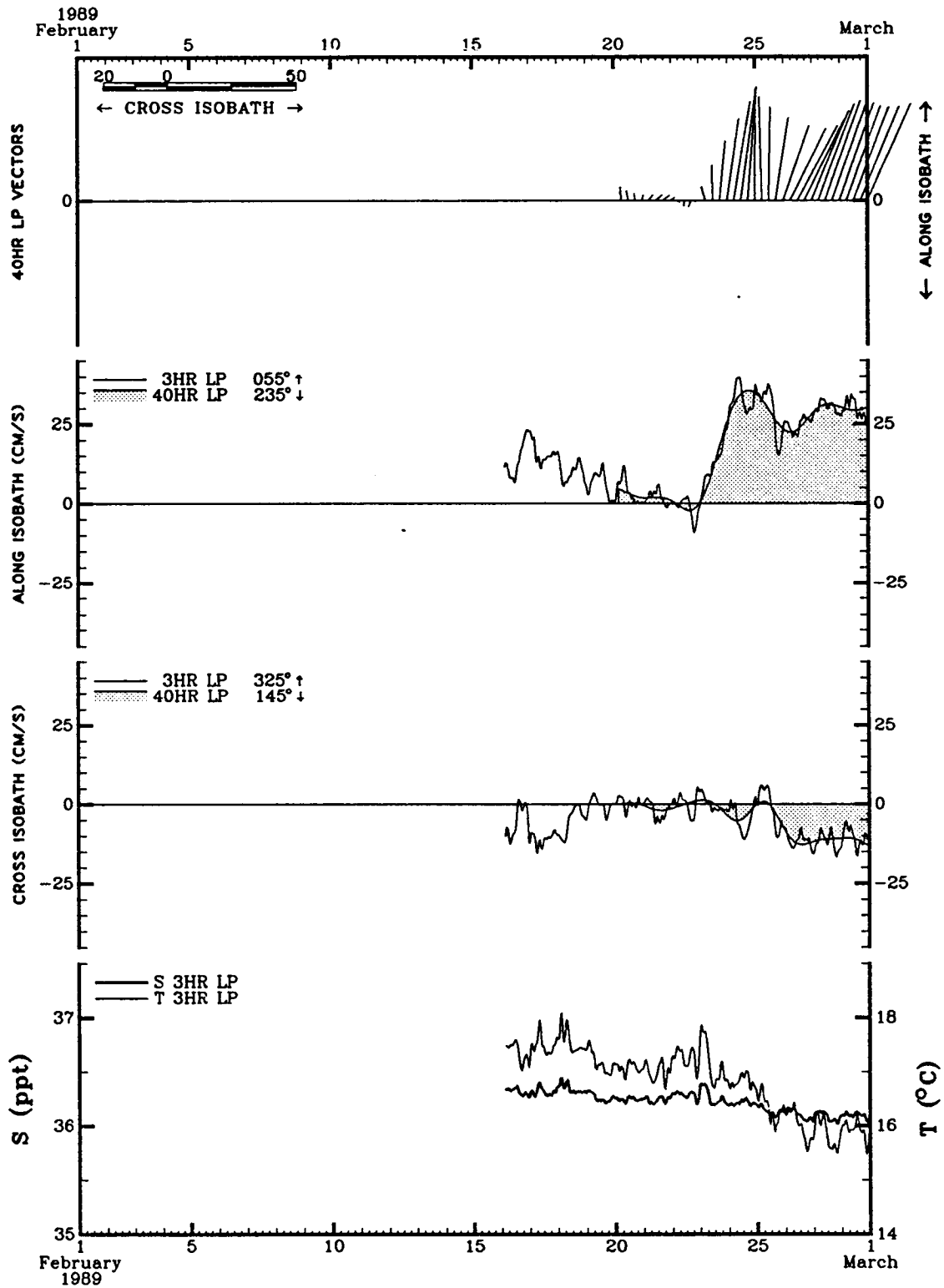


SITE ET 20M/430M (GMT)

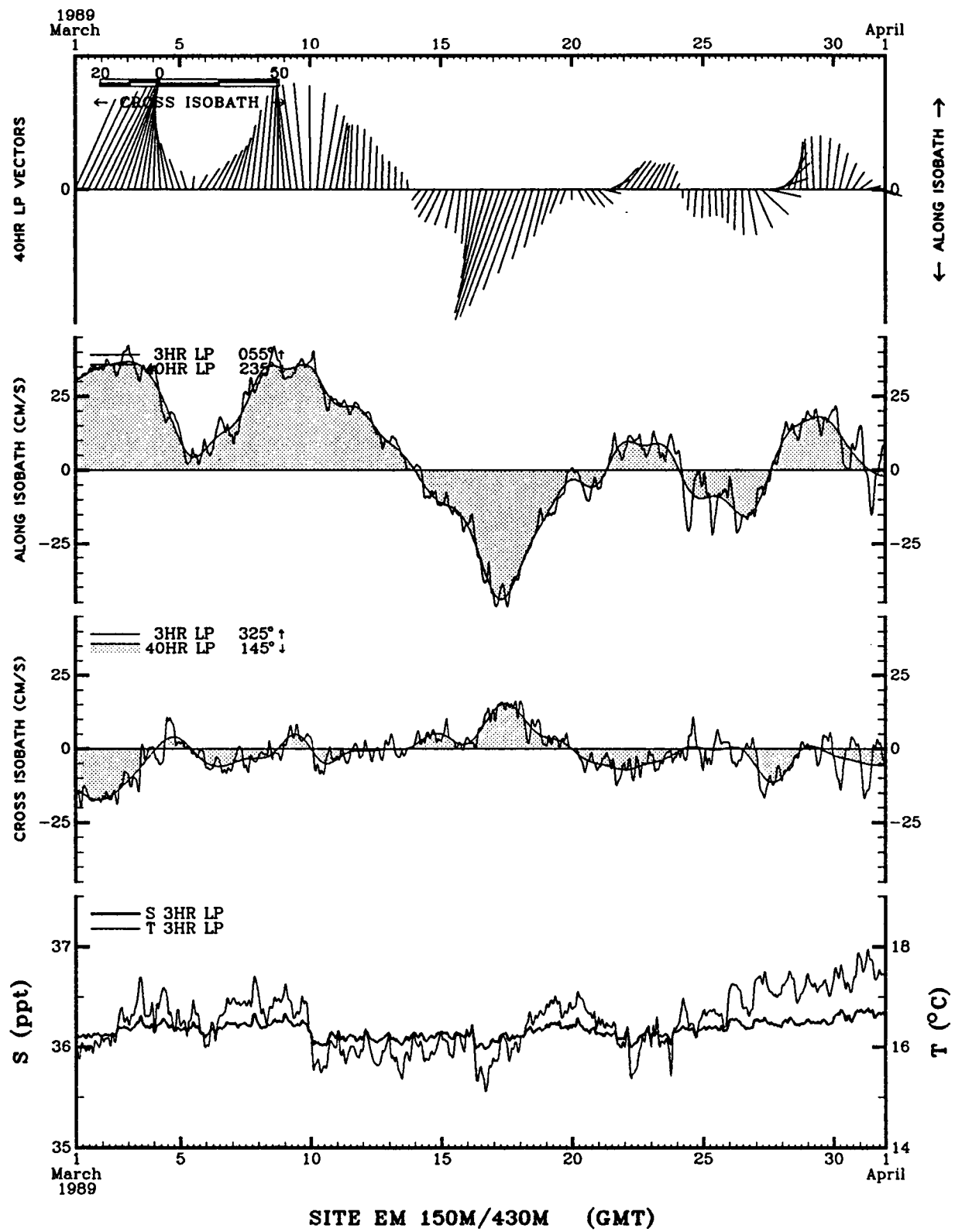


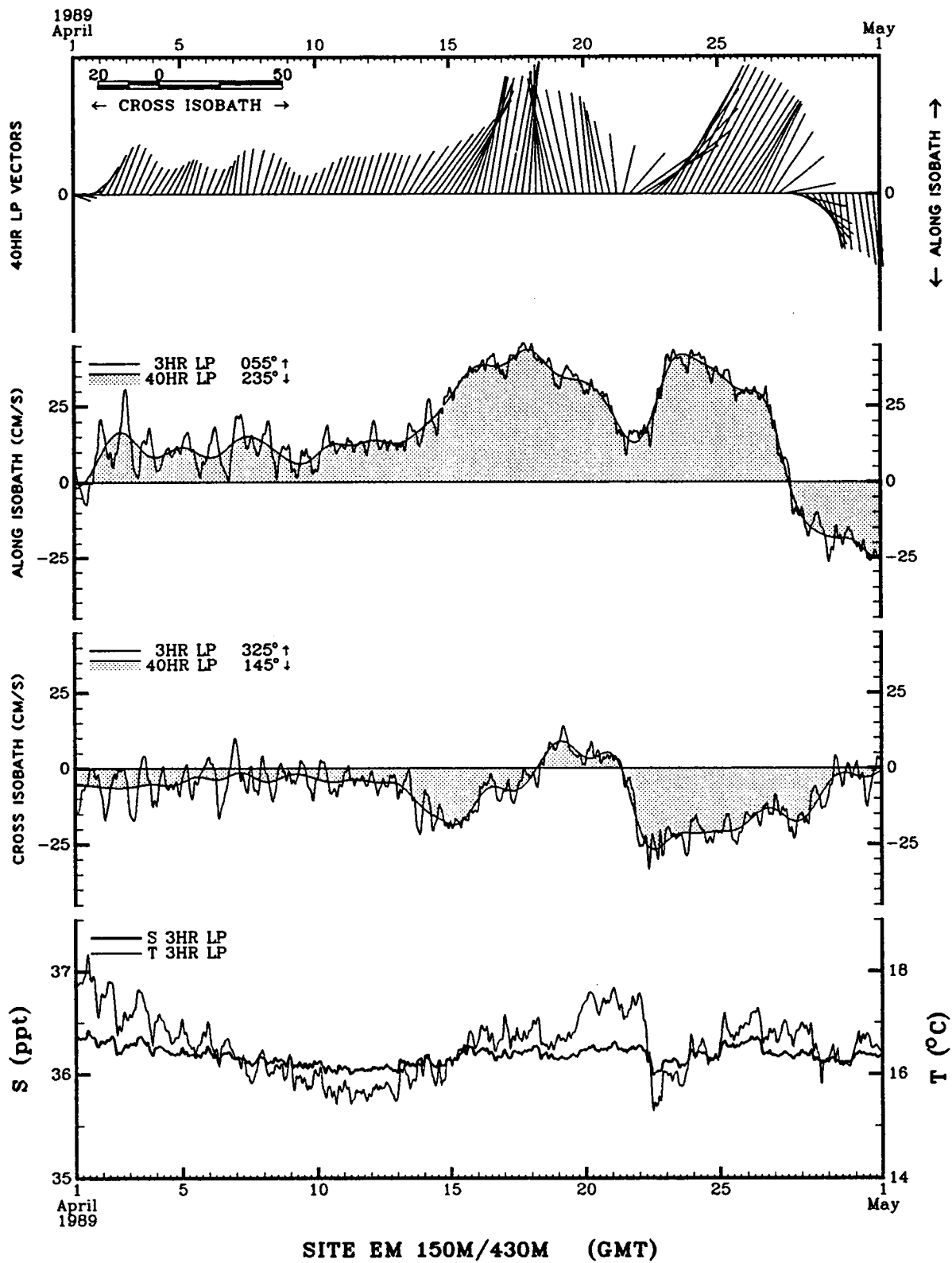


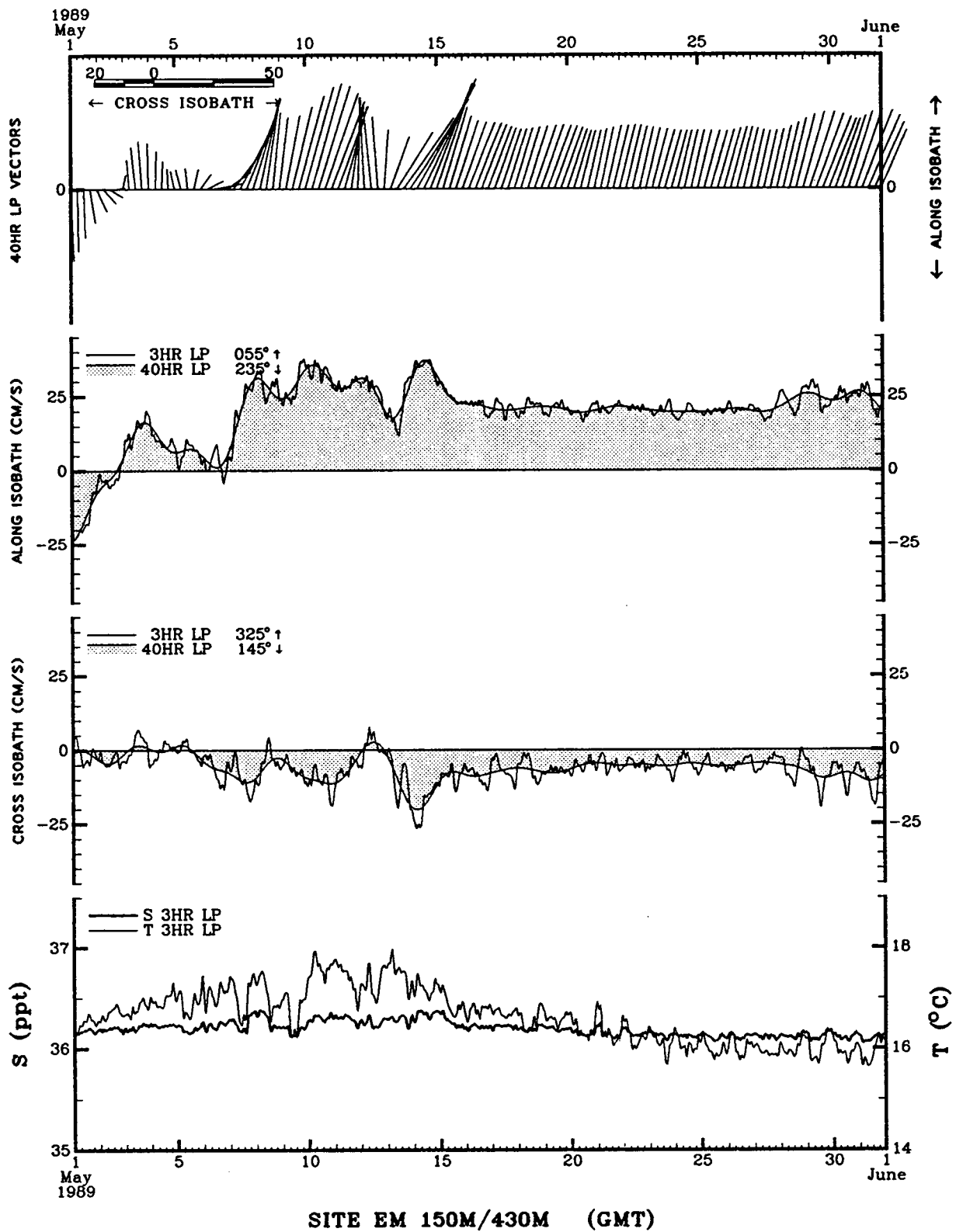


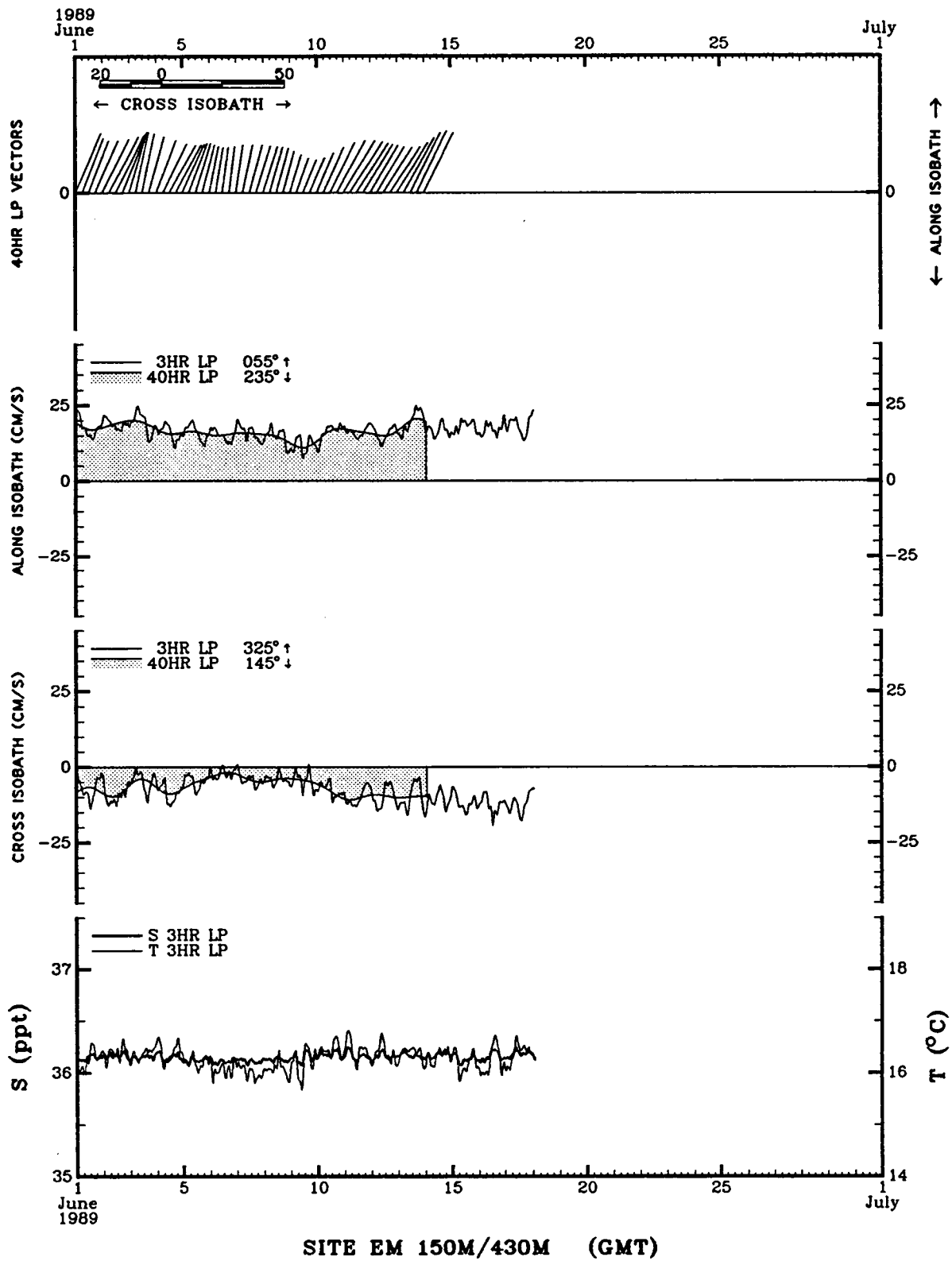


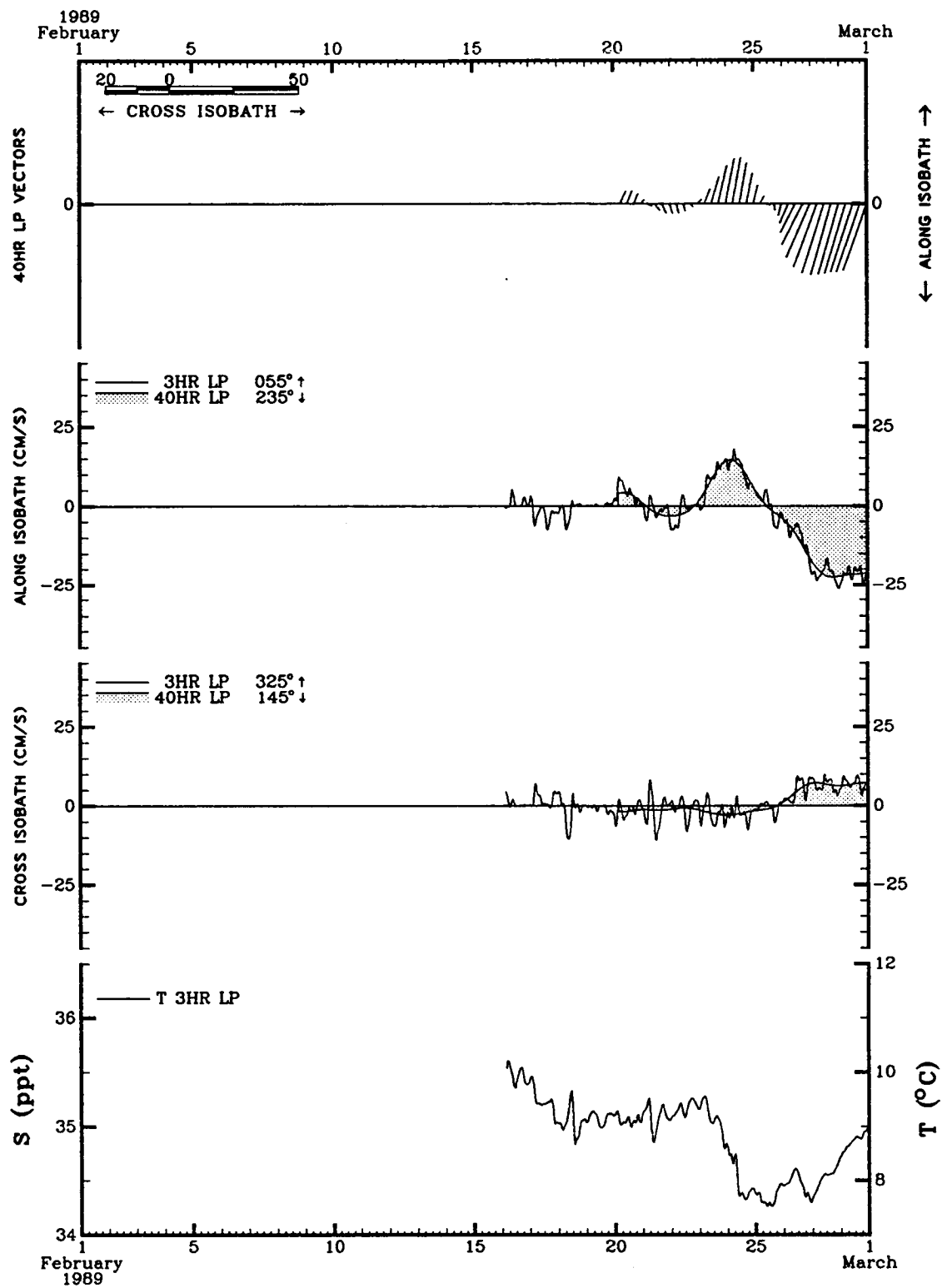
SITE EM 150M/430M (GMT)



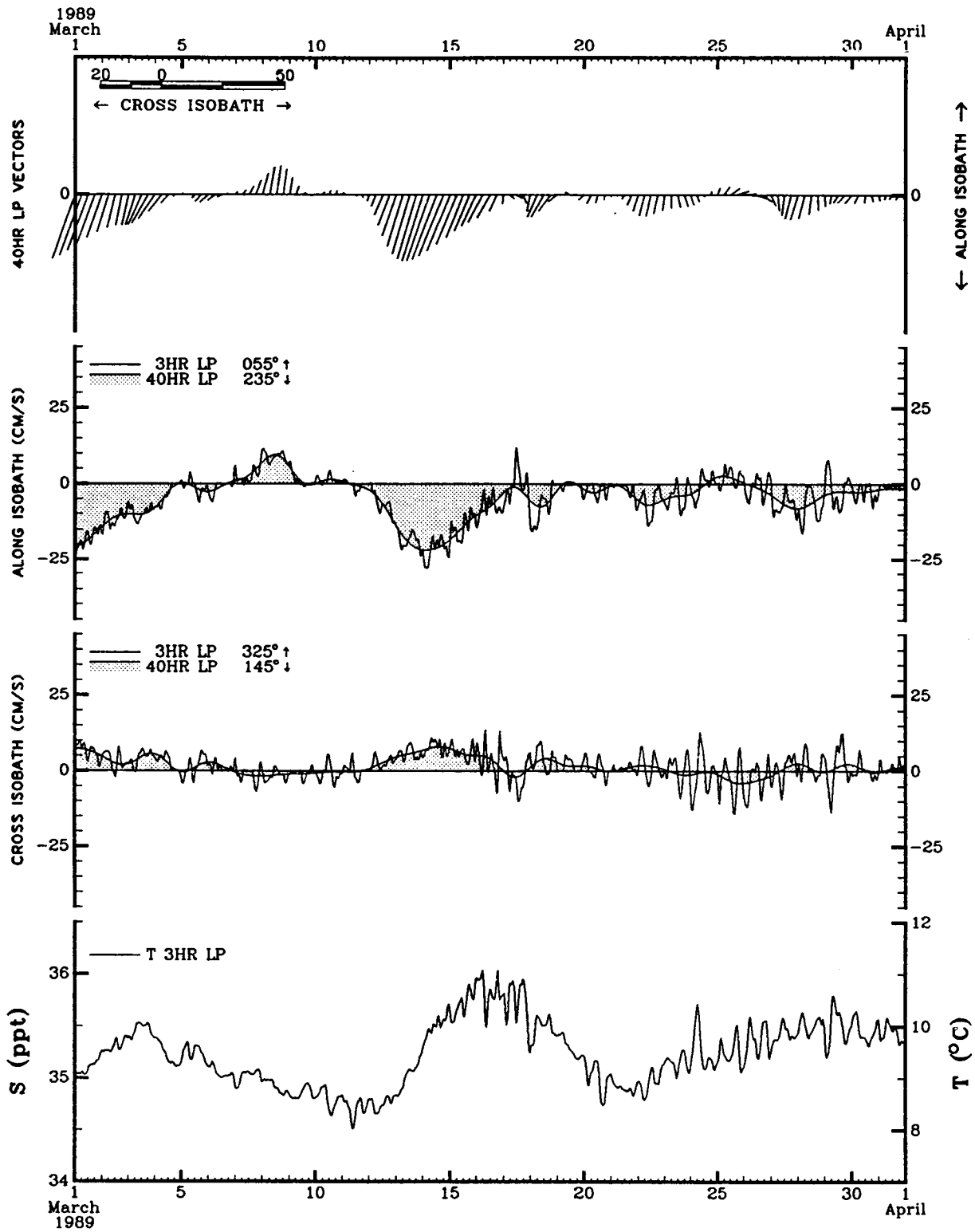




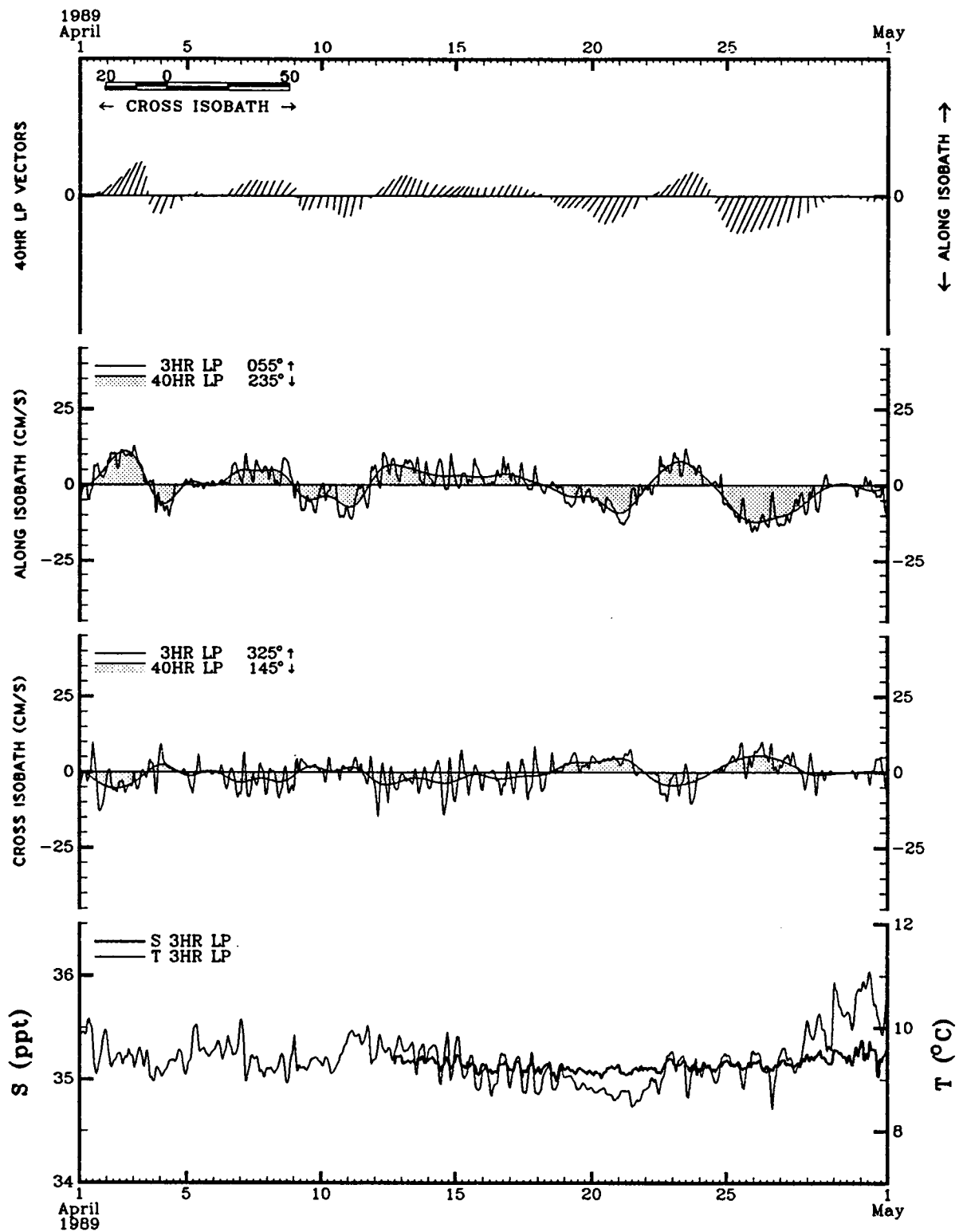




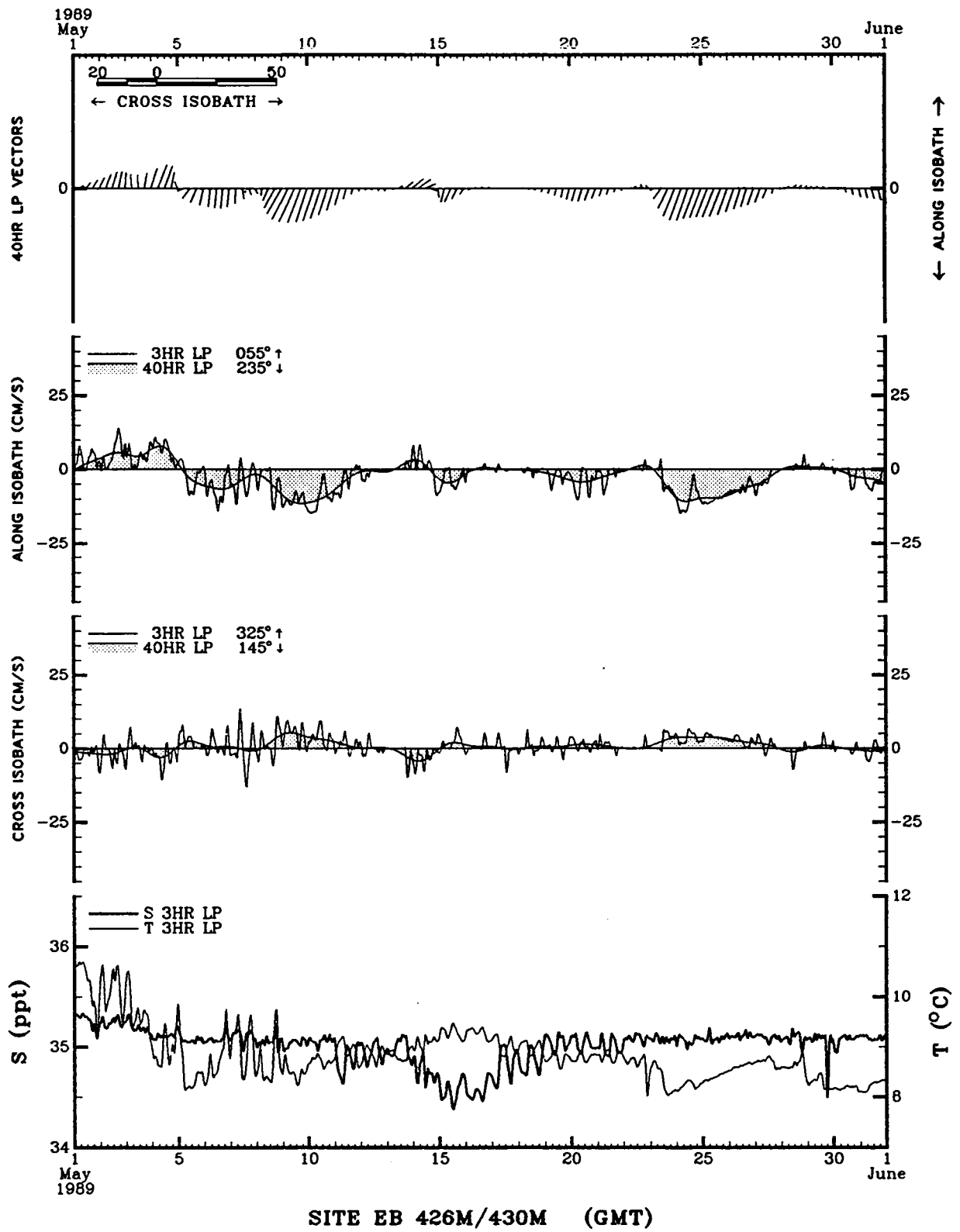
SITE EB 426M/430M (GMT)

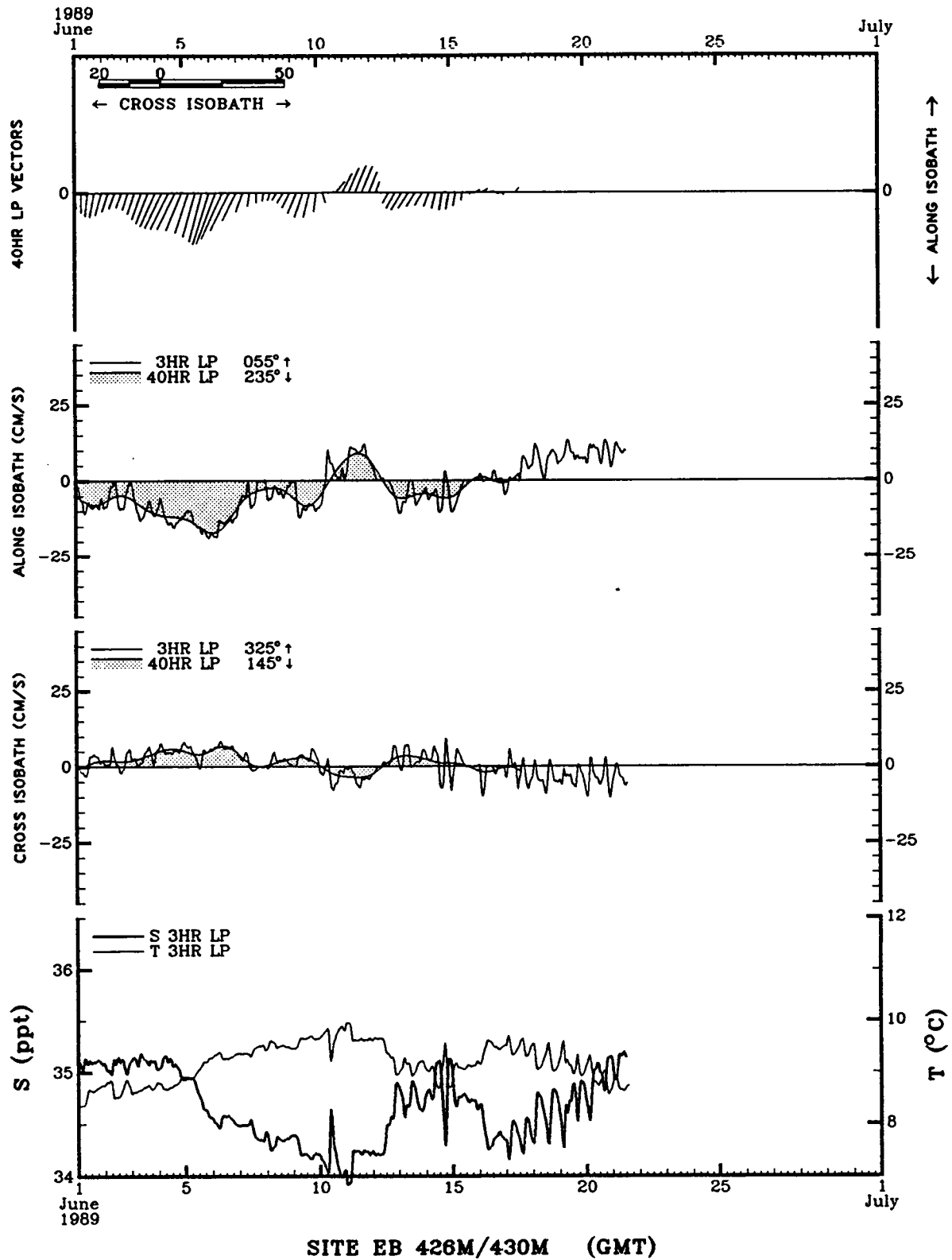


SITE EB 426M/430M (GMT)



SITE EB 426M/430M (GMT)





APPENDIX D

SAMPLING AND LOGISTICS

Station Information

Topographic Features Characterization station information, indicating ROV dive numbers, dredge and grab sample numbers, and stations at which still photographs were taken.

Station	Site Name	Latitude	Longitude	ROV Dives	Dredges	Grabs	Stereo Photos
1	Pox Field	29°30.50'N	87°39.95'W	1		1,2	
2	Low Topographic Features	29°31.78'N	87°27.98'W	2	3	3	
3	Wave Field	29°32.12'N	87°28.97'W	3		4	
4	Shoreline/Ragged Bottom	29°33.48'N	87°29.60'W	4	4,5,6	5	
5	Shoreline North of Patch Reef Field	29°27.86'N	87°39.29'W	5		6	
6=17	Patch Reef Field	29°26.63'N	87°41.15'W	6,19,21		7	X
7	Shoreline/West	29°25.33'N	87°54.68'W	7	7,8	8	
8	West Reefs	29°24.02'N	87°59.04'W	8,9		11,12	X
9	West Patch Reef Field	29°23.35'N	88°00.06'W	10	9,10	14	X
10	West Portion of Patch Reef Field	29°24.59'N	87°44.84'W	11	11	15	X
11	Footprints	29°23.45'N	87°39.63'W	12	12		
12	Snake Ridge	29°24.40'N	87°34.82'W	13	13,14	16	X
13	40-Fathom Fishing Grounds/East Site	29°26.29'N	87°34.51'W	14,15	16,17	17	X
14	40-Fathom Fishing Grounds/West Site	29°26.20'N	87°37.28'W	16			X
15	Moderate Features/Eastern Features	29°33.53'N	87°33.28'W	17			X
16	Moderate Features/Western Features	29°27.69'N	87°46.72'W	18			X
18	Pinnacles	29°19.94'N	87°46.37'W	20			X
19	Between Sta. 7 and Sta. 8	29°24.66'N	87°57.17'W			9	
20	Near Sta. 8	29°23.89'N	87°58.88'W			10	
21	Sediment Apron	29°23.88'N	87°59.54'W			13	
22	94-Fathom Pox Field	29°23.89'N	87°32.42'W		15		
23	North Side of Patch Reef Field	29°27.12'N	87°40.44'W		1,2		
24	Near West Addition Pinnacle 1	29°18.09'N	87°12.41'W	26			
25	West Addition Pinnacle 1	29°17.91'N	88°12.41'W	29,38			X
26	West Addition Pinnacle 2	29°17.78'N	88°12.44'W	30			X
27	Mountain Top - Bank 3 (1st of 3)	29°13.98'N	88°25.82'W	31,37			X
28	Mountain Top - Bank 3 (2nd of 3)	29°14.30'N	88°25.87'W	35			X
29	Mountain Top - Bank 3 (3rd of 3)	29°14.09'N	88°25.91'W	36			X
30	Horseshoe Bank - Bank 1 (1st of 2)	29°12.80'N	88°33.85'W	32			
31	Horseshoe Bank - Bank 1 (2nd of 2)	29°12.71'N	88°33.98'W	34			X
32	Sandpile Bank - Bank 2	29°04.57'N	88°42.98'W	33			X
33	36-Fathom Ridge	29°15.37'N	88°19.84'W	39			

Invertebrate Taxa for Stations west of Station 18

Frequency and notes on invertebrate taxa observed on video tapes from ROV stations. Stations are listed from westernmost to easternmost. Stations to the east of Station 16 are listed on page D-13. Abbreviations are as follows: R = rare, O = occasional, C = Common, A = abundant, sp or spp = species, topo = topographic features, r or rf. = reef, or = orange, blk = black, esp = especially, sch = schools, elsewh = elsewhere.

Taxon	STA 32	STA 30	STA 31	STA 27	STA 28	STA 29	STA 33	STA 24	STA 25	STA 26	STA 9	STA 8	STA 7	STA 16
<i>Agaricia?</i> sp.				R?										
<i>Antipathes</i> spp.			C - sp. A O - sp. B	C - 2+ spp.	C - sp. A C - sp. B	C - sp. B low topo. O - large features	C - sp. A O - sp. B		Reef Top A - sp. A R - sp. B Rf. Cace C - sp. A R - sp. B O	A - r. top R - r. face	O	C	C	C
<i>Asteropora annulata</i>														
? <i>Bebryce cinerea</i>											A?	C		
<i>Bebryce?</i> sp.								A - large features	C - flat surfaces				C?	C?
<i>Beggiatoa</i> sp.				Patchy										
Brachyuran Crabs														
Bryozoans				R - branched, massive		C - massive tan								
<i>Busycon</i> sp.													R	
Caryophylliidae														
<i>Charonia variegata</i>					R									
<i>Cirripathes</i> sp.	O			C - patchy	C	C	C		O - patchy		O	C	C	C
<i>Chypeaster</i> sp.														
Comatulid Crinoids		O - or/blk R - black R - yellow	C - or/blk C - yellow C - black C - tan C - orange R - white	C - tan R - orange R - or/blk R - gray	C - tan C - or/blk O - black R - yellow	A - or/blk A - tan C - black C - orange O - white	C - black C - or/blk C - orange C - tan C - gray R - yellow			C - sand O - or/blk O - black R - yellow R - gray	R	C - or/blk C - black C - yellow	O - or/blk R - tan	
Coralline algae			O - patchy	A - 58-64 m survey	To 71 m, poss. to 74.7 m	A	C - to at least 72.5 m		O - to 68 m	O - to 71.3 m		R		
Corals - Unidentified			R - white bushy, ?ectoproct				O - white bushy, ?ectoproct O - low growing							
Crabs - Unidentified										R				
<i>Dardanus insignis</i>														
<i>Diadema antillarum</i>			O	R	C		O	R	C	C		O		
<i>Echinometra lucunter</i>														
<i>Elisella barbadensis</i> and <i>E. funiculina</i>		O - rubble	O	O	O?	O	C	O - large features	C - deep O - shoal		C		R	O
<i>Elisella elongata</i>				C - patchy		R	O				C			
<i>Euclidaris tribuloides</i>										R		R		
Featherduster Worms														
<i>Fusinus</i> sp.														
Gastropoda		C R - turrid												
Goniasteridae									R?			R	R	
Gorgonian Sea Fans - Large				O - orange O - white			C - orange C - white R - tan	C - white					R - brown	C - r. face large orange
Gorgonian Sea Fans - Small			C - yellow/ orange	C - tan, patchy			C - tan		C - tan, r. face C - yellow	R - tan R - white			O - white R - pinnate R - non-branching	

Taxon	STA 32	STA 30	STA 31	STA 27	STA 28	STA 29	STA 33	STA 24	STA 25	STA 26	STA 9	STA 8	STA 7	STA 16
Sponges - Vase Shaped														R - tan
Sponges - Other				R - upright "finger"	R - yellow, mat-like	O - white upright			R - tan "spire"			O	R - black	O - upright reef face
Squid	R - large R - 2 sch.		O	O			O				O - large			
<i>Stenorhynchus seticornis</i>							R		R	R	R	R	R	
Stony Corals			R - white cluster	R - white cluster	O - clusters R - solitary	R - white solitary	O - white solitary	O - white	A - white, r. top A - r. face	A - overhangs C - elsewh.	C	C - white solitary		C - white solitary, reef face
<i>Stylocidaris affinis</i>				C	R	A - patchy	O		C	C		O		
<i>Thesea?</i> spp.													C?	C?

Invertebrate Taxa for Stations east of Station 16

Frequency and notes on invertebrate taxa observed on video tapes from ROV stations. Stations are listed from westernmost to easternmost. Stations to the west of Station 18 are listed on Page D-7. Abbreviations are as follows: **R** = rare, **O** = occasional, **C** = Common, **A** = abundant, **sp** or **spp** = species, **r** or **rf.** = reef, **or** = orange, **blk** = black, **wh** = white, **elsewh** = elsewhere, **grp** = group, **w/** = with, **rel** = relief.

Taxon	STA 18	STA 10	STA 6	STA 1	STA 5	STA 11	STA 14	STA 12	STA 13	STA 15	STA 4	STA 3	STA 2
<i>Agaricia?</i> sp.													
<i>Antipathes</i> spp.		C - sp. A O - sp. B	O		C		Rf. Clat A - sp. A, O - sp. B Rf. Cace C - sp. A O - sp. B		R - r. flat O - r. face	C - sp. A, r. face and r. top	O		A
<i>Asteropora annulata</i>		R											
? <i>Bebryce cinerea</i>					O		A - r. flat		A?	C - r. top			
<i>Bebryce?</i> sp.	C?	C?	O								A		
<i>Beggiatoa</i> sp.													
Brachyuran Crabs									R				
Bryozoans									O - large colonies				O
<i>Busycon</i> sp.					R - egg capsules						R		
Caryophylliidae	C? - small O - large												
<i>Charonia variegata</i>													
<i>Cirripathes</i> sp.	R	C	O		C	O - sand	C - r. flat O - r. face		O	C	O		A - patchy
<i>Clypeaster</i> sp.												O	
Comatulid Crinoids	A - tan C - or/blk C - gray O - black R - blk/wh	C - or/blk O - black O - orange R - gray			O		Reef Clat A - gray C - black, orange, tan O - blk/wh O - or/blk Rf. Cace C - gray O - blk, tan, or/blk, yellow, orange		A - gray C - orange O - yellow O - or/blk R - tan R - black	Rf. Cace R - yellow Reef Top R - black	A - 3 spp.	R - or/blk	A - patchy
Coralline algae					R		C - r. flat O - r. face		C - above 74 m, seen to 78 m	C	R		
Corals - Unidentified										A - r. top purple, branching			
Crabs - Unidentified												R	O
<i>Dardanus insignis</i>													
<i>Diadema antillarum</i>	O	R					C - r. face		O	O - r. face R - r. top			
<i>Echinometra lucunter</i>	O												
<i>Elisella barbadensis</i> and <i>E. funiculina</i>	C	C	O		O		A - r. flat C - r. face		C - r. flat O - r. face	C	C		A - patchy
<i>Elisella elongata</i>	R	C	O	R - sand			C - r. flat		O				A - patchy
<i>Eucidaris tribuloides</i>									R?	R - sand			
Featherduster Worms				R									
<i>Fusinus</i> sp.													
Gastropoda				R									
Goniasteridae		R											
Gorgonian Sea Fans - Large	C - yellow C - white	O - orange	R - orange R - white				Rf. Clat C - orange C - white		C - orange O - yellow on r. face	R - orange			

Taxon	STA 18	STA 10	STA 6	STA 1	STA 5	STA 11	STA 14	STA 12	STA 13	STA 15	STA 4	STA 3	STA 2
Gorgonian Sea Fans - Small					O - white		Rf. Clat A - tan O - purple	R - orange R - white	C - white	R - purple O - white, reef top			
Gorgonians	R - sparse branched	C - brown			R - several spp.		O - lg. red, O - lg. yellow	R - gray whip	O - white R - purple branched				
Gorgonocephalidae (Basket Stars)	C	C	R				C - r. flat			O - r. top	R		O
Hermit Crabs					R				R				
<i>Hermodice carunculata</i>											R		
Holothuroideans									O - orange w maroon				
<i>Madrepora carolina</i>	A	O - small colonies	O						O - r. flat O - r. face C - low rel. features				
Majidae - Spider Crabs	R												
<i>Narcissia trigonaria</i>									O? - r. flat O? - r. face				
<i>Neopycnodonte cochlear</i>	O - on gorg. skeletons		R - one clump		R				R				
Nepitheid soft corals							R - blue						
<i>Nicella</i> spp.	A	C			C		A - r. flat C - r. face		A - r. flat O - r. face				
<i>Nidalia occidentalis</i>	O		O?										
Octopus		R - large							R - r. face and r. flat				
<i>Oculina?</i> sp.	O	C - esp. on overhangs	O		O - poss.		O - r. face		O - r. face	O?			
Ophiuroidea	O	O - white	R						O - orange w/ maroon			O	
<i>Oxysmilix?</i> sp.									R? - r. face				
<i>Paracalyptus pulchellus</i>								O					
Pennatulaceans					R								R
<i>Peyssonnelia?</i> sp.									R				
<i>Polystira</i> sp.													
<i>Rhizopsammia manuelensis</i>	A	C	C - dom. on r. face		O		C - r. face		C - r. face	A			
<i>Scaphander punctostriatus</i>													
<i>Scaphella dubia kieneri</i>											R		
<i>Scaphella junonia</i>			R										
? <i>Scleraxis guadalupensis</i>	R?												
<i>Scolymia?</i> sp.													
<i>Scyllarides nodifer</i>										R			
Sea Stars				R - 3? spp.	O		C - r. face	R	R	R - tan, sand			R
Sea Urchins					R - 2 spp.		R - r. flat, pencil		O - tan, long-spined				
Shrimp	O	R - one grp. 10-20					R - r. flat		R			A	
<i>Siphonogorgia agassizii</i>	A	R - r. face			R		R - r. flat						
<i>Spondylus americanus</i>													
Sponges - Branching			C - orange R - white		R		R - white, r. flat		O - orange O - white				
Sponges - Encrusting	O - white R - yellow	C - orange C - white O - yellow			C - orange O - white		Reef Clat O - orange Rf. Cace C - orange C - yellow C - white		C - orange O - white O - yellow	C - orange O - white			

Taxon	STA 18	STA 10	STA 6	STA 1	STA 5	STA 11	STA 14	STA 12	STA 13	STA 15	STA 4	STA 3	STA 2
Sponges - Globose					R - 2-3 spp.		R - r. flat		O - tan O - small white R - 4? spp.				R
Sponges - Low growing				R					C - purple		O		
Sponges - Tube Shaped				R	R		R		R				
Sponges - Vase Shaped					R		R - white		C - large white	R - r. top			
Sponges - Other							O - orange-topped		C - maroon		O - 3? spp.		
Squid				O								C	
<i>Stenorhynchus seticornis</i>					R				R	R - r. face	R		
Stony Corals	A - r. face overhangs R - elsewh.				R		O - r. face, 3? spp.	R		C - white			R
<i>Stylocidaris affinis</i>	C									R			
<i>Thesea? spp.</i>	C?		O?		C						A		A - patchy

Fish Taxa for Stations west of Station 18

Frequency and notes on fish taxa observed on video tapes from ROV stations. Stations are listed from westernmost to easternmost. Stations to the east of Station 16 are listed on page D-25. Abbreviations are as follows: R = rare, O = occasional, C = Common, A = abundant, sp or spp = species, ident = identified, r = reef.

Taxon	STA 32	STA 30	STA 31	STA 27	STA 28	STA 29	STA 33	STA 24	STA 25	STA 26	STA 9	STA 8	STA 7	STA 16
<i>Antennarius ocellatus</i>									R					
<i>Anthias?</i> spp.														
<i>Apogon maculatus</i>				O										
<i>Apogon pillionatus</i>				R one ident., prob. more										
<i>Apogon pseudomaculatus</i>				O			R		R					
<i>Apogon</i> spp.			R		R	R	R				R		R	O
Atherinidae														
<i>Aulostomus maculatus</i>							R							
<i>Balistes capriscus</i>			R											
<i>Bodianus pulchellus</i>												R		O
Bothidae	R	R												
<i>Calamus bajonado</i>														
<i>Calamus nodosus</i>														
<i>Canthigaster rostrata</i>				R					R					
Carangidae														O
<i>Caranx</i> sp.														
<i>Centropristis ocyurus</i>	R								O	O	R	O - reefs C - sand	O	C - reefs C - sand
<i>Centropristis philadelphia</i>														
<i>Chaetodon aya</i>			R	O	O	R	O	R	C	O	R	O		
<i>Chaetodon ocellatus</i>												R - r. face		
<i>Chaetodon sedentarius</i>				R	O	R	R		O			R - r. base		
<i>Chilomycterus antillarum</i>									R - C. sp.?					
<i>Chilomycterus schoepfi</i>				R										
<i>Chromis enchrysurus</i>						O			C - r. top	R		O - r. flat and face	R	
<i>Corniger spinosus</i>														
<i>Decapterus punctatus</i>														
<i>Decapterus</i> spp.	A		O	O			O?				A	O		
<i>Diapterus olisthostomus</i>											R			
Diodontidae		R												
<i>Diplectrum bivittatum</i>														O?
<i>Diplectrum</i> sp.														
<i>Epinephelus nigrilus</i>														
<i>Equetus punctatus</i>											R			R
<i>Equetus</i> sp.											R			
<i>Equetus umbrosus</i>			R	R	O	R	R		R		O	O		
<i>Fistularia petimba</i>				O										
Grammistidae			R											
<i>Gymnothorax moringa</i>												R - r. face		
<i>Gymnothorax ocellatus</i>														
Hæmulidae														
<i>Halichoeres bathyphilus</i>														
<i>Halichoeres bivittatus</i>														
<i>Halichoeres cyanocephalus</i>														
<i>Halichoeres</i> spp.									A - r. top					
<i>Hemanthias aureorubens</i>					C?					C		C		
<i>Holacanthus bermudensis</i>						R			O	R		R		
<i>Holanthias martinicensis</i>			R	C	C	C	O	C - large features	A	A	O	A	R	O
Holocentridae			R				O?		O	O	R			
<i>Holocentrus ascensionis</i>														

Taxon	STA 32	STA 30	STA 31	STA 27	STA 28	STA 29	STA 33	STA 24	STA 25	STA 26	STA 9	STA8	STA 7	STA 16
Sparidae		R					R		O	O	O	O	R	
<i>Sphoeroides spengleri</i>														
<i>Steindachneria argentea</i>				R?										
<i>Stenotomus caprinus</i>														
Synodontidae											C - sand			O-C - sand
<i>Synodus intermedius</i>								R - sand				O - sand		
Tetraodontidae														
<i>Thunnus sp.</i>														
<i>Trichiurus lepturus</i>	R		O											
<i>Trichiurus lathamii</i>							O							
<i>Urophycis floridanus</i>					R?									

Fish Taxa for Stations east of Station 16

Frequency and notes on fish taxa observed on video tapes from ROV stations. Stations are listed from westernmost to easternmost. Stations to the west of Station 18 are listed on page D-19. Abbreviations are as follows: R = rare, O = occasional, C = Common, A = abundant, sp or spp = species, r = reef, w/ = with.

Taxon	STA 18	STA 10	STA 6	STA 1	STA 5	STA 11	STA 14	STA 12	STA 13	STA 15	STA 4	STA 3	STA 2
<i>Antennarius ocellatus</i>													
<i>Anthias?</i> spp.			R										
<i>Apogon maculatus</i>										R - r. face			
<i>Apogon pillionatus</i>													
<i>Apogon pseudomaculatus</i>			R		R?		O - r. flat		O	O - r. face			
<i>Apogon</i> spp.	O	R											
Atherinidae		O	C		C?								
<i>Aulostomus maculatus</i>													
<i>Balistes capriscus</i>													
<i>Bodianus pulchellus</i>										R - r. face R - r. top			
Bothidae				R-O		R		R	R			O	R
<i>Calamus bajonado</i>										R - r. top			C
<i>Calamus nodosus</i>													
<i>Canthigaster rostrata</i>													
Carangidae							R - r. flat						
<i>Caranx</i> sp.					O								
<i>Centropristis ocyurus</i>		R	R	R	R	R?				O	R	C	O
<i>Centropristis philadelphia</i>					R?								
<i>Chaetodon aya</i>	O	R	R		O		O - r. flat R - r. face		C - r. flat R - low reef	C - r. face	C		O
<i>Chaetodon ocellatus</i>			R							O - r. face			
<i>Chaetodon sedentarius</i>									C - r. flat R - low relief				
<i>Chilomycterus antillarum</i>									R				
<i>Chilomycterus schoepfi</i>													
<i>Chromis enchrysurus</i>									O	C	C		O
<i>Corniger spinosus</i>													
<i>Decapterus punctatus</i>					R?							A	
<i>Decapterus</i> spp.		O											
<i>Diapterus olisthostomus</i>													
Diodontidae													
<i>Diplectrum bivittatum</i>					R?							R	
<i>Diplectrum</i> sp.													
<i>Epinephelus nigritus</i>					R?								
<i>Equetus punctatus</i>			R? - E. <i>umbrosus?</i>										
<i>Equetus</i> sp.													
<i>Equetus umbrosus</i>	O	R					R - r. flat		O - r. flat R - r. face				
<i>Fistularia petimba</i>													
Grammistidae													
<i>Gymnothorax moringa</i>												O	
<i>Gymnothorax ocellatus</i>													
Haemulidae								R? - water column					
<i>Halichoeres bathyphilus</i>													
<i>Halichoeres bivittatus</i>													R
<i>Halichoeres</i>													
<i>cyanocephalus</i>													
<i>Halichoeres</i> spp.											R		
<i>Hemanthias aurorubens</i>			O						O	O - r. face	O		
<i>Holacanthus bermudensis</i>										R?	R		

Taxon	STA 18	STA 10	STA 6	STA 1	STA 5	STA 11	STA 14	STA 12	STA 13	STA 15	STA 4	STA 3	STA 2
<i>Holanthias martinicensis</i>	C	C	A - r. top O - r. face		O		C - r. flat C - r. face		A - r. flat O - r. face	C - r. face	R		
Holocentridae		R	R		R		C - r. flat		R				
<i>Holocentrus ascensionis</i>									O	R? - r. face			
<i>Holocentrus bullisi</i>									R				
<i>Holocentrus rufus</i>													
<i>Hoplunnis macrurus</i>												R	
Labridae										R - r. top	R		
<i>Lactophrys polygona</i>									R				
<i>Lactophrys quadricornis</i>							R - r. flat						
<i>Lepophidium jeannae</i>												R	
<i>Liopropoma eukrines</i>			O		O		R - r. face			O - r. face			O
Lutjanidae										R			
<i>Lutjanus campechanus</i>									R				
<i>Lutjanus cyanopterus</i>													
<i>Menticirrhus</i> sp.			R - <i>M.</i> <i>saxatilis</i> ?									O	
<i>Micropogon undulatus</i>					R								
<i>Microspathodon chrysurus</i>													
<i>Moringua edwardsi</i>													
<i>Muraena retifera</i>											R		
Muraenidae	R								O				
<i>Mustelus</i> sp.													
<i>Mycteroperca microlepis</i>													
<i>Mycteroperca phenax</i>							R						
<i>Ogcocephalus corniger</i>													
<i>Ogcocephalus nasutus</i>													
<i>Ogcocephalus</i> sp.		R					R - sand flat		O			R	
<i>Ophichthus ocellatus</i>													
<i>Ophidion holbrooki</i>									R				
<i>Opsanus beta</i>													
Ostraciidae										R			
<i>Pagrus sedecim</i>													
<i>Paranthias furcifer</i>													
<i>Peprilus burtii</i>			R	O	R							R	
<i>Peprilus triacanthus</i>			R										
<i>Plectypops retrospinus</i>													
<i>Pomacentrus planifrons</i>										A? - r. face			
<i>Priacanthus</i> spp.													
<i>Prionotus</i> spp.			R	O	R				R			R	
<i>Pristigenys alta</i>	O - reef R - sand	O	R		R		C - r. flat O - r. face	R	C	O - r. face	C		C - hard bottom
<i>Pristipomoides aquilonaris</i>													
<i>Rachycentron canadum</i>					R								
Rajidae													
<i>Rhomboplites aurorubens</i>	O	R	O		O		O - r. flat O - r. face		O				
<i>Sarda sarda</i>												R	
Sciaenidae	R						R - r. face			O - r. face			
Scombridae													
<i>Scombromorus cavalla</i>													
Scorpenidae	O	R	R				R - r. flat	R	O, w/ one <i>Scorpaena plumieri</i> ?	R	R	R	R
<i>Selar crumenophthalmus</i>									R?				
<i>Seriola dumerili</i>							C - r. flat R - sand		O	R	R		

Taxon	STA 18	STA 10	STA 6	STA 1	STA 5	STA 11	STA 14	STA 12	STA 13	STA 15	STA 4	STA 3	STA 2
<i>Seriola rivoliana</i>											R		
Serranidae					O							R	
<i>Serranus phoebe</i>		O	O - sand	O	O		R - r. face	R	O	O - r. face, top reef			C
<i>Serranus</i> spp.	O - S. <i>tabacarius?</i>		R - S. <i>tabacarius?</i>	O							O	R	
Sparidae	R		R							O		R	
<i>Sphoeroides spengleri</i>									R				
<i>Steindachneria argentea</i>													
<i>Stenotomus caprinus</i>			R		R								
Synodontidae			O		C?					R - sand	R	O	
<i>Synodus intermedius</i>		O	O - sand	O							R	R	R
Tetraodontidae									R				
<i>Thunnus</i> sp.		R - T. <i>thynnus?</i>											
<i>Trichiurus lepturus</i>													
<i>Trichiurus lathami</i>			C?										
<i>Urophycis floridanus</i>	R? - U. <i>earlii?</i>											C	

Fish Species List

Fishes observed during detailed analysis of video tapes from ROV stations and species caught by hook-and-line during ROV cruises (* indicates species observed only in sandy-bottom habitats, ** indicates species not observed on video, but caught by hook-and-line).

CLASS ELASMOBRANCHIOMORPHA (Cartilaginous fishes)

Order RAJIFORMES

Family Dasyatidae

Dasyatis sp. - stingray *

Order SQUALIFORMES

Family Carcharhinidae

Mustelus canis? - smooth dogfish

CLASS OSTEICHTHYES

Family Apogonidae

Apogon maculatus - flamefish

Apogon pillionatus - broadsaddle cardinalfish

Apogon pseudomaculatus - 2-spot cardinalfish

Apogon sp.

Family Antennariidae

Antennarius ocellatus - ocellated frogfish

Family Atherinidae

unidentified silversides

Family Aulostomidae

Aulostomus maculatus - trumpetfish

Family Balistidae

Balistes capriscus - gray triggerfish

Family Batrachoididae

Opsanus beta - Gulf toadfish

Family Carangidae

Caranx crysos - blue runner **

Caranx? sp. - jack (juv.)

Decapterus punctatus - round scad

Decapterus sp.

?*Selar crumenophthalmus* - bigeye scad

Seriola dumerili - greater amberjack

Seriola rivoliana - almaco jack

?*Trachurus lathami* - rough scad

Family Chaetodontidae

Chaetodon aya - bank butterfly
Chaetodon ocellatus - spotfin butterfly
Chaetodon sedentarius - reef butterfly

Family Diodontidae

Chilomycterus antillarum - web burrfish
Chilomycterus schoepfi - striped burrfish

Family Fistulariidae

Fistularia petimba? - red? cornetfish

Family Gadidae

Lepopidium jeannae - mottled cusk eel
?Steindachneria argentea - luminous hake

Family Gerreidae

Diapterus olisthostomus - Irish pompano

Family Grammistidae

unidentified soapfish

Family Haemulidae?

Family Holocentridae

?Corniger spinosus - spinycheek? soldierfish
Holocentrus ascensionis - squirrelfish
Holocentrus bullisi? - deepwater squirrelfish
Holocentrus rufus - longspine squirrelfish
?Plectrypops retrospinus - cardinal? soldierfish

Family Labridae

Bodianus pulchellus - spotfin hogfish
Halichoeres bathyphilus - greenband wrasse
Halichoeres bivittatus - slippery dick
Halichoeres cyanocephalus - yellowcheek wrasse
Halichoeres sp.
"twospot wrasse" - looks like *H. bivittatus* with two spots on side

Family Lobotidae

Lobotes surinamensis - tripletail **

Family Lutjanidae

Lutjanus campechanus - red snapper
Lutjanus cyanopterus - cubera snapper
Pristipomoides aquilonaris - wenchman
Rhomboplites aurorubens - vermilion snapper

Family Moringuidae

?*Moringua edwardsi* - spaghetti eel

Family Muraenidae

Gymnothorax moringa - spotted moray

Gymnothorax ocellatus - ocellated moray

Muraena retifera - reticulate moray

Family Nettastomatidae

Hoplunnis macrurus - silver conger *

Family Ogcocephalidae

Ogcocephalus corniger - longnose batfish

Ogcocephalus nasutus - shortnose batfish

Ogcocephalus sp.

Family Ophichthidae

Ophichthus ocellatus - spotted snake eel *

Family Ophidiidae

Ophidion holbrooki? - bank cusk-eel

Urophysis floridanus - southern hake

Family Ostraciidae

Lactophrys quadricornis - scrawled cowfish

Lactophrys polygonia - honeycomb cowfish (first record from Gulf of Mexico)

Family Pomacanthidae

Holacanthus bermudensis or *isabelita* - blue angel

Family Pomacentridae

Chromis enchrysurus - yellowtail reef fish

Microspathodon chrysurus - yellowtail damselfish (uncertain record)

Pomacentrus planifrons - yellow damselfish

Family Pomatomidae

Pomatomus saltatrix - bluefish **

Pleuronectiform fishes - flounders

Family Priacanthidae

Priacanthus arenatus - bigeye

Priacanthus creunatus - glasseye snapper

Pristigenys alta - bigeye

Family Rachycentridae

Rachycentron canadum - cobia

Family Sciaenidae

Equetus punctatus - high hat
Equetus umbrosus - cubbyu
Equetus sp.
Menticirrhus sp. - whiting (*M. saxatilis* or *M. americanus*)
Micropogon undulatus - Atlantic croaker
unidentified copper drum with dark fins

Family Scombridae

Sarda sarda - Atlantic bonito
Scombromorus cavalla - king mackerel **
Thunnus sp. cf. *thynnus* - bluefin tuna

Family Scorpaenidae

Scorpionfish A - orange scorpionfish
Scorpaena plumieri - spotted scorpionfish

Family Serranidae

Anthias sp.
Centropristis ocyurus- bank sea bass
Centropristis philadelphia? - Rock sea bass
Diplectrum bivittatum - dwarf sand perch
Diplectrum sp. - sand perch
Epinephelus nigritus - Warsaw grouper
Hemanthias aureorubens - streamer bass
Holanthias martinicensis - rougtongue bass
Liopropoma eukrines - wrasse bass
Mycteroperca microlepis - gag
Mycteroperca phenax - scamp
Paranthias furcifer - creole-fish
Serranus phoebe - tattler
Serranus tabacarius? - tobaccofish
Serranus sp.

Family Sparidae

Calamus bajonado - jolthead porgy
Calamus nodosus - knobbed porgy
Pagrus sedecim - red porgy (uncertain record)
Stenotomus caprinus - longspine porgy

Family Stromateidae

Peprilus burti - Gulf butterfish
Peprilus triacanthus - butterfish

Family Synodontidae

Synodus intermedius - sand diver (lizardfish)

Family Tetraodontidae

Canthigaster rostrata? - sharpnose? puffer

Sphoeroides spengleri - bandtail puffer

Family Trichiuridae

Trichiurus lepturus - Atlantic cutlassfish

Family Triglidae

Prionotus spp. - sea robins

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering the wisest use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to assure that their development is in the best interest of all our people. The Department also has a major responsibility for American Indian reservation communities and for people who live in Island Territories under U.S. Administration.

