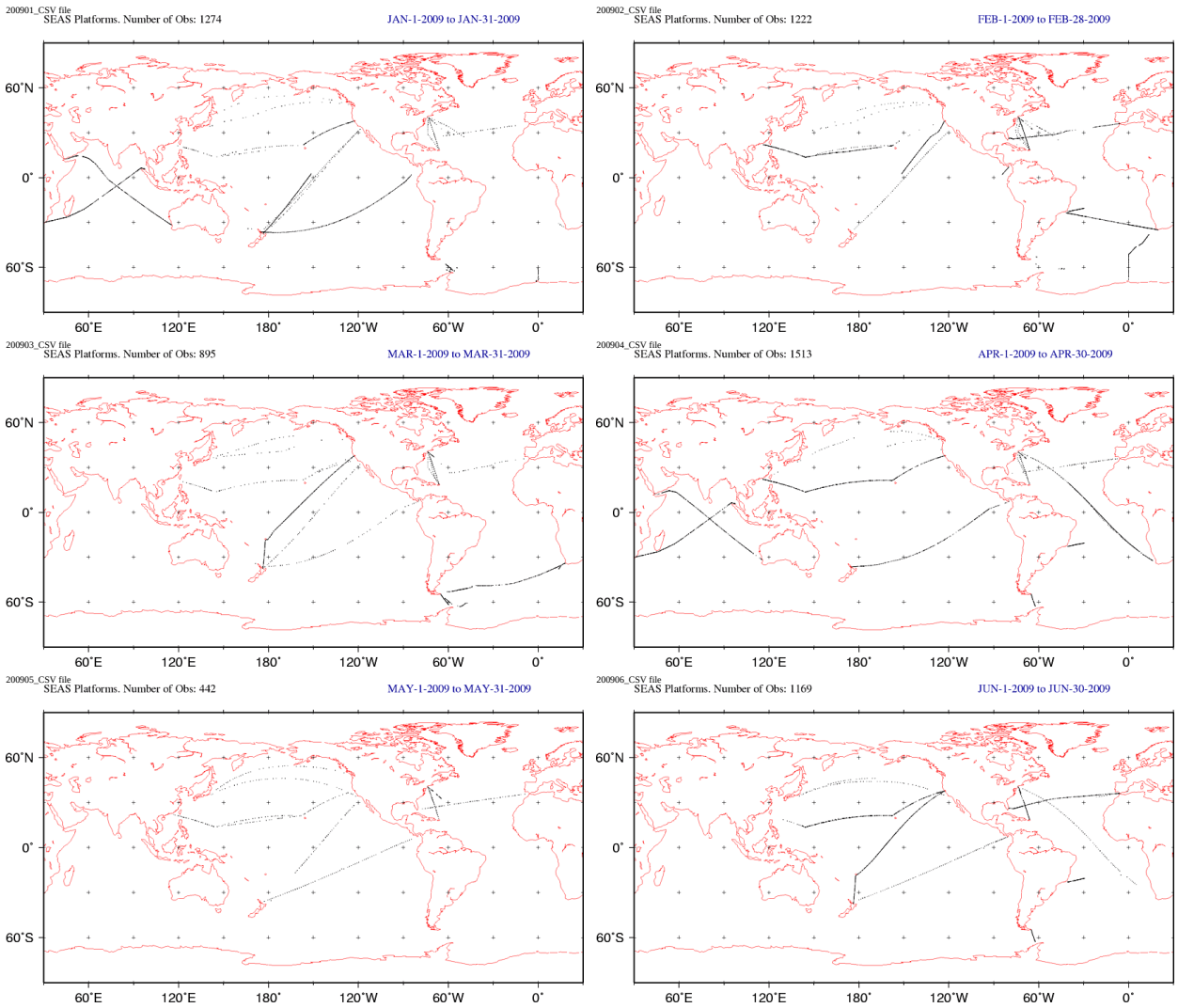
GOOS OPERATIONS: SEAS TRANSMISSIONS

Report Date: DEC 2009

GOOS Operations: XBT Program

PDF file



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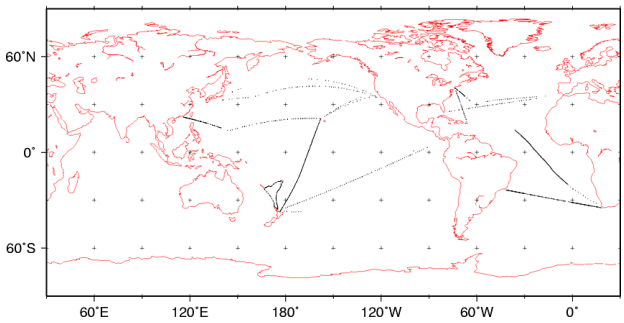

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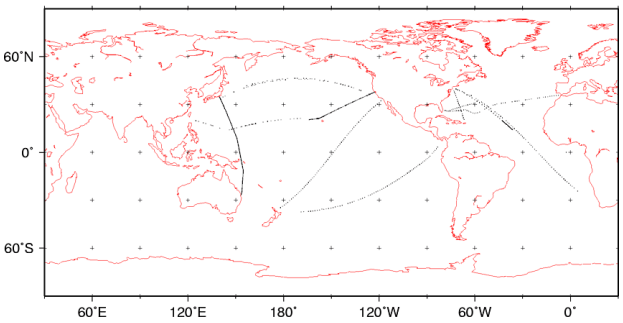

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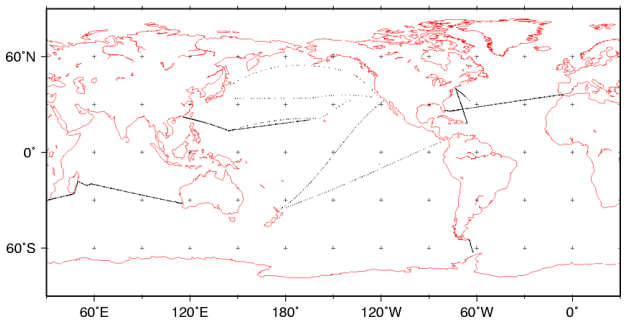

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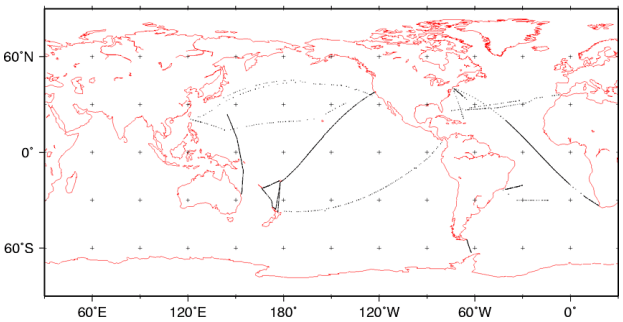

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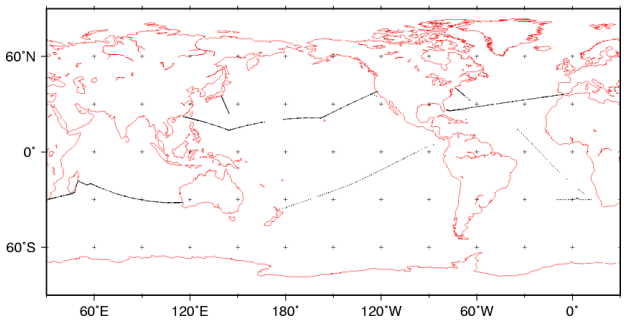

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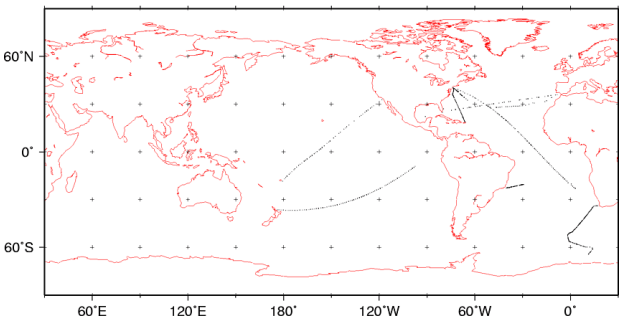


Monthly ship-by-ship detail of real-time mode XBT observations transmitted via SEAS:

Ship Name	**Call sign**	**Route**	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	**TOTAL**
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
HANSA FLENSBURG	A8AL3	PX13	51		55		46								**152**
		PX83	2												**2**
SAFMARINE ZAMBEZI	A8CE9	AX08	4	18											**22**
CAP REINGA	A8FA6	PX31												50	**50**
CMA CGM LAVENDER	A8IG2	IX12	202			192									**394**
MAERSK FUJI	C4BZ2	PX06							144			174			**318**
MONTE AZUL	DFTH2	AX18		168					171						**339**
ER WILHELSHAVEN	ELZY3	N/A								1					**1**
		PX13	207	190							65				**462**
		PX31			208										**208**
		PX06			69										**69**
MAERSK JAUN	HBDD	N/A		1											**1**
		PX08					74	87	77	69	73	73			**453**
MAERSK JENAZ	HBDU	PX08											77	75	**152**
ROGER REVELLE	KAOU	AX19		2	152										**154**
HOEGH TOKYO	LACZ6	IX15											149		**149**
		IX21											107		**107**
HOEGH DETROIT	LAHE6	IX15									151				**151**
		IX21									109				**109**
SAFMARINE MERU	MNDC9	IX21	92			87									**179**
		IX06	109			99									**208**
		PX05								266		207	52		**525**
MAERSK PHUKET	MYMX5	PX13								67					**67**
		PX31						201				196			**397**
		PX06						68				65			**133**
		PX09							225						**225**
SAFMARINE NGAMI	ONFC	AX08	18			84		68		61		251	5	71	**558**
JOSEPHINE MAERSK	OWKF2	PX08	219	21	54	193									**487**
OLEANDER	PJJU	AX32	15	20	19	20	29	2	34		33	28	27	31	**258**
CRUZEIRO DO SUL	PWCS	AX18										27	29		**56**
ALMIRANTE MAXIMIANO	PWPM	AX97						51							**51**
SIRIUS	PWQO	AX97		45											**45**
ALMIRANTE SABOIA	PWSB	AX97										40			**40**
TRIDENTE	PWYX	AX97				48								41	**89**
YUZHMORGEOLOGIYA	UBSZ	AX22	62	2	16										**80**
		N/A	9	10	15										**34**
LAURENCE M.GOULD	WCX7445	AX22			66	67		68			74	76			**351**
HORIZON HAWK	WDD6033	PX10	14	114	26	116	29	119	21	26	105	28	101		**699**
		PX26	16	18	17	8	38	51	50	36	32	39	2		**307**
		PX37	73	4	10	71	19	77	13	78	3	9	79		**436**
		PX44	7	91	6	87	18	11	77	1	92	11	92		**493**
HORIZON TIGER	WDD6042	PX10	25	27	10	23	27	27	27	16	29				**211**
		PX26	21	18	22	33	37	22	22	19	40	30			**264**

		PX37		7	14	3	4	18	15		8				**69**
		PX44	13		14	18	13	7	9	7	7	8			**96**
CSX NAVIGATOR	WPGK	AX10	54	145	66	59	42	103	31	22	122	17	1	91	**753**
ROME EXPRESS	ZCDJ3	AX07	28	169		33	43	9	37	46	14	25		20	**424**
MADRID EXPRESS	ZCDJ5	AX07											177		**177**
BARCELONA EXPRESS	ZCDJ6	AX07	4	12	25	21	23	180	27	21	195	47	9	33	**597**
		N/A												2	**2**
S.A. AGULHAS	ZSAF	AX25	29	140	31									178	**378**
SAFMARINE ORANJE	ZSDN	AX08				251			179	47			25	24	**526**
	NONE		0	0	0	0	0	0	0	0	0	0	0	1	**1**
TOTAL			**1274**	**1222**	**895**	**1513**	**442**	**1169**	**1159**	**783**	**1152**	**1351**	**932**	**617**	**12509**

Line-by-line details of monthly XBT observations transmitted via SEAS:

Transects per year: FR/HD														
Route	**Target_Year**	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	**TOTAL**
	18/4	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
AX07	13/4	32	181	25	54	66	189	64	67	209	72	186	53	**1198**
AX08	8/3	22	18		335		68	179	108		251	30	95	**1106**
AX10	29/4	54	145	66	59	42	103	31	22	122	17	1	91	**753**
AX18	1/2		168					171			27	29		**395**
AX19	0/1		2	152										**154**
AX22	0/9	62	2	82	67		68			74	76			**431**
AX25	0/3	29	140	31									178	**378**
AX32	2/13	15	20	19	20	29	2	34		33	28	27	31	**258**
AX97	0/5		45		48		51				40		41	**225**
IX06	0/2	109			99									**208**
IX12	0/2	202			192									**394**
IX15	0/2									151		149		**300**
IX21	0/4	92			87					109		107		**395**
PX05	0/2								266		207	52		**525**
PX06	0/7			69			68	144			239			**520**
PX08	9/2	219	21	54	193	74	87	77	69	73	73	77	75	**1092**
PX09	0/1							225						**225**
PX10	13/5	39	141	36	139	56	146	48	42	134	28	101		**910**
PX13	7/1	258	190	55		46			67	65				**681**
PX26	17/1	37	36	39	41	75	73	72	55	72	69	2		**571**
PX31	1/3			208			201				196		50	**655**
PX37	10/5	73	11	24	74	23	95	28	78	11	9	79		**505**
PX44	13/5	20	91	20	105	31	18	86	8	99	19	92		**589**
PX83	1/0	2												**2**
N/A		9	11	15	0	0	0	0	1	0	0	0	3	**39**
TOTAL		**1274**	**1222**	**895**	**1513**	**442**	**1169**	**1159**	**783**	**1152**	**1351**	**932**	**617**	**12509**

Monthly ship-by-ship detail of real-time mode XBT observations transmitted via SEAS. Details per mode of deployment:

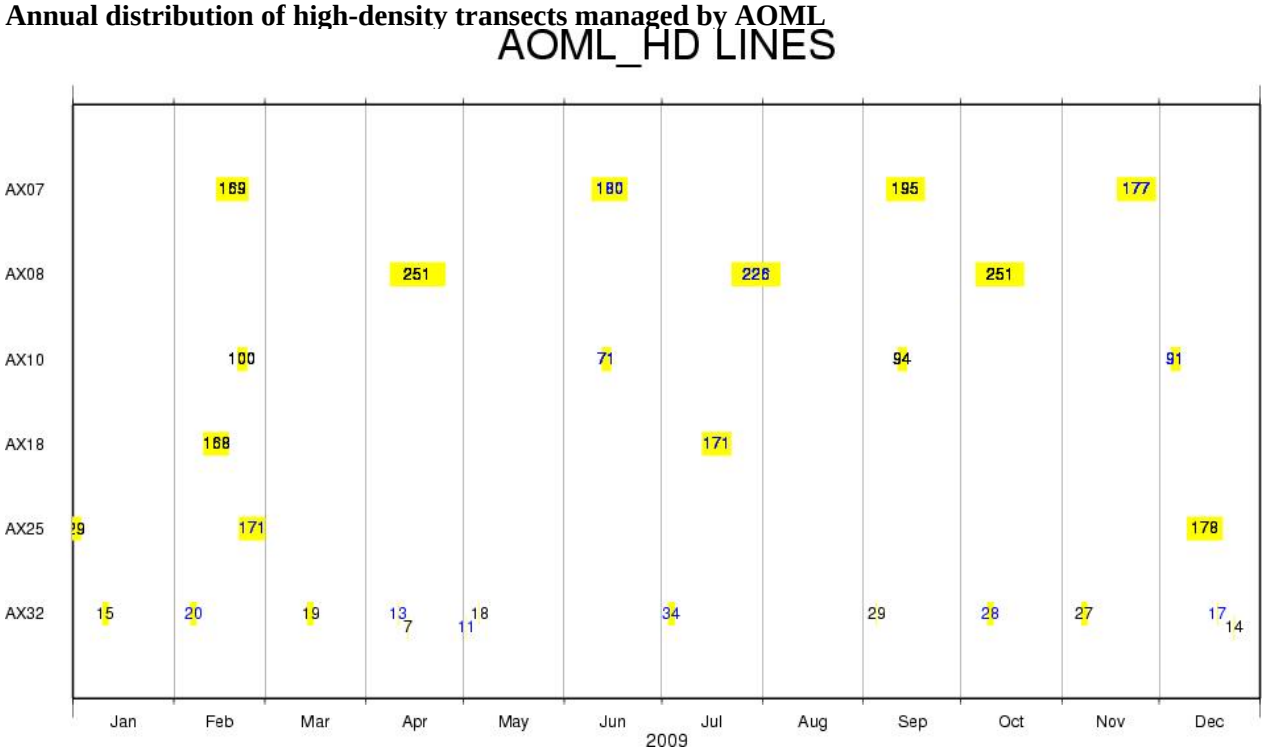
Ship Name	**Call sign**	**Route**	**Type**	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	**TOTAL**
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
HANSA FLENSBURG	A8AL3	PX13	FR	51		55		46								**152**
		PX83	FR	2												**2**
SAFMARINE ZAMBEZI	A8CE9	AX08	FR	4	18											**22**
CAP REINGA	A8FA6	PX31	FR												50	**50**
CMA CGM LAVENDER	A8IG2	IX12	HD	202			192									**394**
MAERSK FUJI	C4BZ2	PX06	HD							144			174			**318**
MONTE AZUL	DFTH2	AX18	HD		168					171						**339**
ER WILHELSHAVEN	ELZY3	N/A	FR								1					**1**
		PX13	FR	63	60							65				**188**
		PX13	HD	144	130											**274**
		PX31	HD			208										**208**
		PX06	HD			69										**69**
MAERSK JAUN	HBDD	N/A	FR		1											**1**
		PX08	FR					74	87	77	69	73	73			**453**
MAERSK JENAZ	HBDU	PX08	FR											77	75	**152**
ROGER REVELLE	KAOU	AX19	HD		2	152										**154**
HOEGH TOKYO	LACZ6	IX15	HD											149		**149**
		IX21	HD											107		**107**
HOEGH DETROIT	LAHE6	IX15	HD									151				**151**
		IX21	HD									109				**109**
SAFMARINE MERU	MNDC9	IX21	HD	92			87									**179**
		IX06	HD	109			99									**208**
		PX05	HD								266		207	52		**525**
MAERSK PHUKET	MYMX5	PX13	FR								67					**67**
		PX31	HD						201				196			**397**
		PX06	HD						68				65			**133**
		PX09	HD							225						**225**
SAFMARINE NGAMI	ONFC	AX08	FR	18			84		68		61			5	71	**307**
		AX08	HD										251			**251**
JOSEPHINE MAERSK	OWKF2	PX08	FR			54										**54**
		PX08	HD	219	21		193									**433**
OLEANDER	PJJU	AX32	FR						2			4				**6**
		AX32	HD	15	20	19	20	29		34		29	28	27	31	**252**
CRUZEIRO DO SUL	PWCS	AX18	FR										27	29		**56**
ALMIRANTE MAXIMIANO	PWPM	AX97	HD						51							**51**
SIRIUS	PWQO	AX97	HD		45											**45**
ALMIRANTE SABOIA	PWSB	AX97	HD										40			**40**
TRIDENTE	PWYX	AX97	HD				48								41	**89**
YUZHMORGEOLOGIYA	UBSZ	AX22	HD	62	2	16										**80**
		N/A	FR	9	10	15										**34**
LAURENCE M.GOULD	WCX7445	AX22	HD			66	67		68			74	76			**351**
HORIZON HAWK	WDD6033	PX10	FR	14		26		29		21	10		28			**128**
		PX10	HD		114		116		119		16	105		101		**571**
		PX26	FR	16	18	17	8	38	51	50	36	32				**266**

		PX26	HD										39	2		**41**
		PX37	FR			10		19		13		3	9			**54**
		PX37	HD	73	4		71		77		78			79		**382**
		PX44	FR	7		6		18			1		11			**43**
		PX44	HD		91		87		11	77		92		92		**450**
HORIZON TIGER	WDD6042	PX10	FR	25	27	10	23	27	27	27	16	29				**211**
		PX26	FR	21	18	22	33	37	22	22	19	40	30			**264**
		PX37	FR		7	14	3	4	18	15		8				**69**
		PX44	FR	13		14	18	13	7	9	7	7	8			**96**
CSX NAVIGATOR	WPGK	AX10	FR	54	45	66	59	42	32	31	22	28	17	1		**397**
		AX10	HD		100				71			94			91	**356**
ROME EXPRESS	ZCDJ3	AX07	FR	28			33	43	9	37	46	14	25		20	**255**
		AX07	HD		169											**169**
MADRID EXPRESS	ZCDJ5	AX07	HD											177		**177**
BARCELONA EXPRESS	ZCDJ6	AX07	FR	4	12	25	21	23		27	21		47	9	33	**222**
		AX07	HD						180			195				**375**
		N/A	FR												2	**2**
S.A. AGULHAS	ZSAF	AX25	HD	29	140	31									178	**378**
SAFMARINE ORANJE	ZSDN	AX08	FR											25	24	**49**
		AX08	HD				251			179	47					**477**
	NONE			0	0	0	0	0	0	0	0	0	0	0	1	**1**
TOTAL				**1274**	**1222**	**895**	**1513**	**442**	**1169**	**1159**	**783**	**1152**	**1351**	**932**	**617**	**12509**

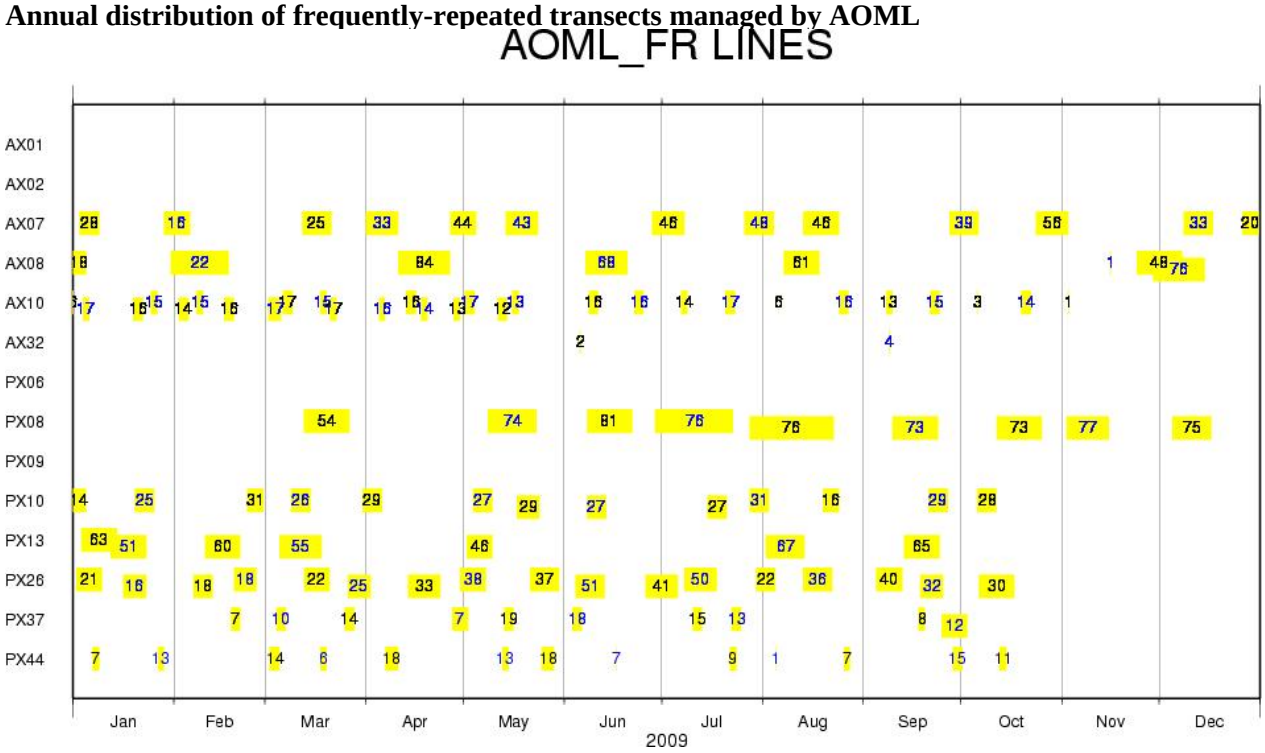
Line-by-line details of monthly XBT observations transmitted via SEAS. Detail per mode of deployment: FR/HD

Transects per year: FR/HD														
Route	**Target_Year**	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	**TOTAL**
	18/4	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
AX07	13/4	32/	12/169	25/	54/	66/	9/180	64/	67/	14/195	72/	9/177	53/	**477/721**
AX08	8/3	22/	18/	/	84/251	/	68/	/179	61/47	/	/251	30/	95/	**378/728**
AX10	29/4	54/	45/100	66/	59/	42/	32/71	31/	22/	28/94	17/	1/	/91	**397/356**
AX18	1/2	/	/168	/	/	/	/	/171	/	/	27/	29/	/	**56/339**
AX19	0/1	/	/2	/152	/	/	/	/	/	/	/	/	/	**0/154**
AX22	0/9	/62	/2	/82	/67	/	/68	/	/	/74	/76	/	/	**0/431**
AX25	0/3	/29	/140	/31	/	/	/	/	/	/	/	/	/178	**0/378**
AX32	2/13	/15	/20	/19	/20	/29	2/	/34	/	4/29	/28	/27	/31	**6/252**
AX97	0/5	/	/45	/	/48	/	/51	/	/	/	/40	/	/41	**0/225**
IX06	0/2	/109	/	/	/99	/	/	/	/	/	/	/	/	**0/208**
IX12	0/2	/202	/	/	/192	/	/	/	/	/	/	/	/	**0/394**
IX15	0/2	/	/	/	/	/	/	/	/	/151	/	/149	/	**0/300**
IX21	0/4	/92	/	/	/87	/	/	/	/	/109	/	/107	/	**0/395**
PX05	0/2	/	/	/	/	/	/	/	/266	/	/207	/52	/	**0/525**
PX06	0/7	/	/	/69	/	/	/68	/144	/	/	/239	/	/	**0/520**
PX08	9/2	/219	/21	54/	/193	74/	87/	77/	69/	73/	73/	77/	75/	**659/433**
PX09	0/1	/	/	/	/	/	/	/225	/	/	/	/	/	**0/225**
PX10	13/5	39/	27/114	36/	23/116	56/	27/119	48/	26/16	29/105	28/	/101	/	**339/571**
PX13	7/1	114/144	60/130	55/	/	46/	/	/	67/	65/	/	/	/	**407/274**
PX26	17/1	37/	36/	39/	41/	75/	73/	72/	55/	72/	30/39	/2	/	**530/41**
PX31	1/3	/	/	/208	/	/	/201	/	/	/	/196	/	50/	**50/605**
PX37	10/5	/73	7/4	24/	3/71	23/	18/77	28/	/78	11/	9/	/79	/	**123/382**
PX44	13/5	20/	/91	20/	18/87	31/	7/11	9/77	8/	7/92	19/	/92	/	**139/450**
PX83	1/0	2/	/	/	/	/	/	/	/	/	/	/	/	**2/0**
N/A		9	11	15	0	0	0	0	1	0	0	0	3	**39**

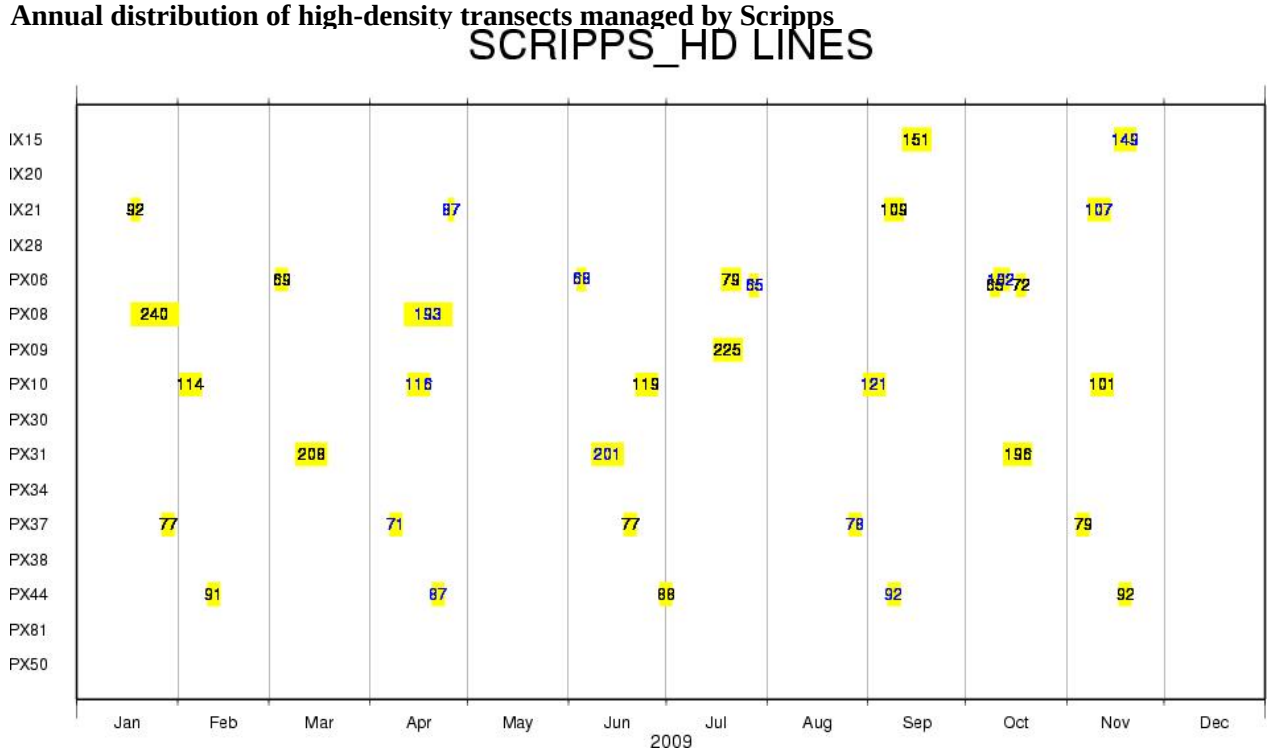
Annual distribution of high-density transects managed by AOML



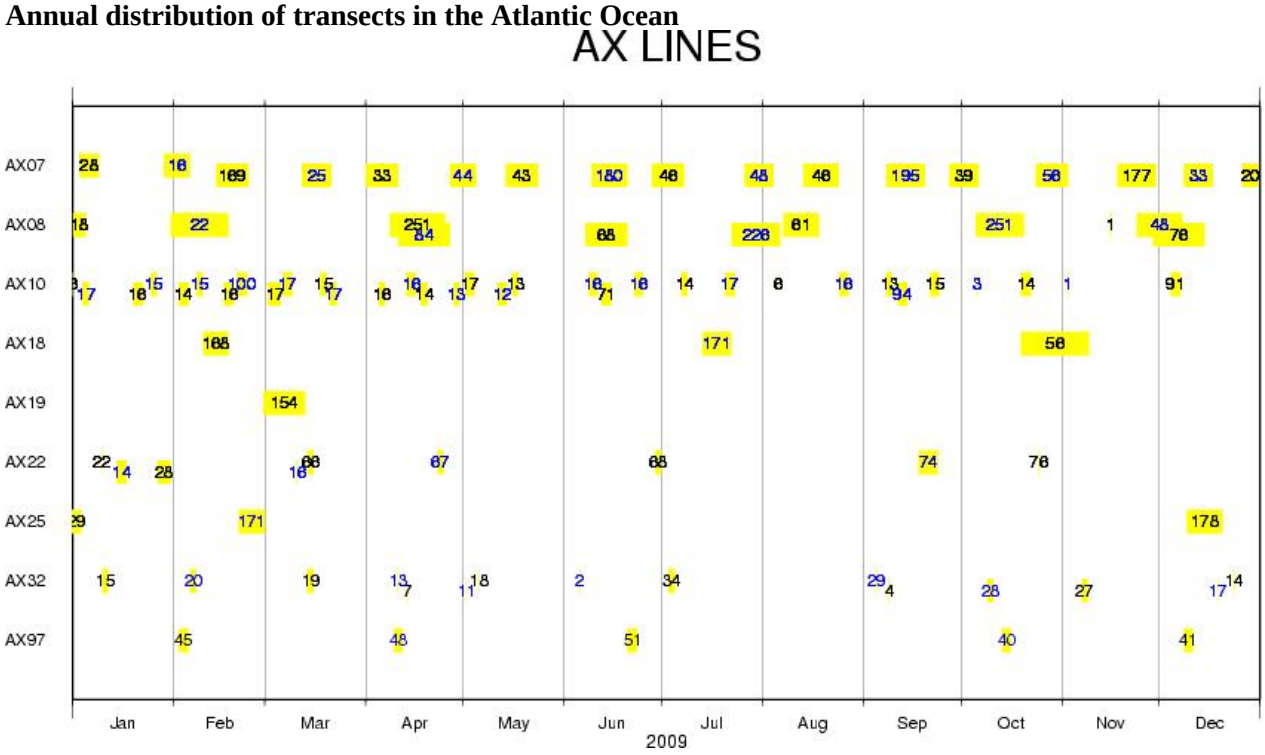
Annual distribution of frequently-repeated transects managed by AOML



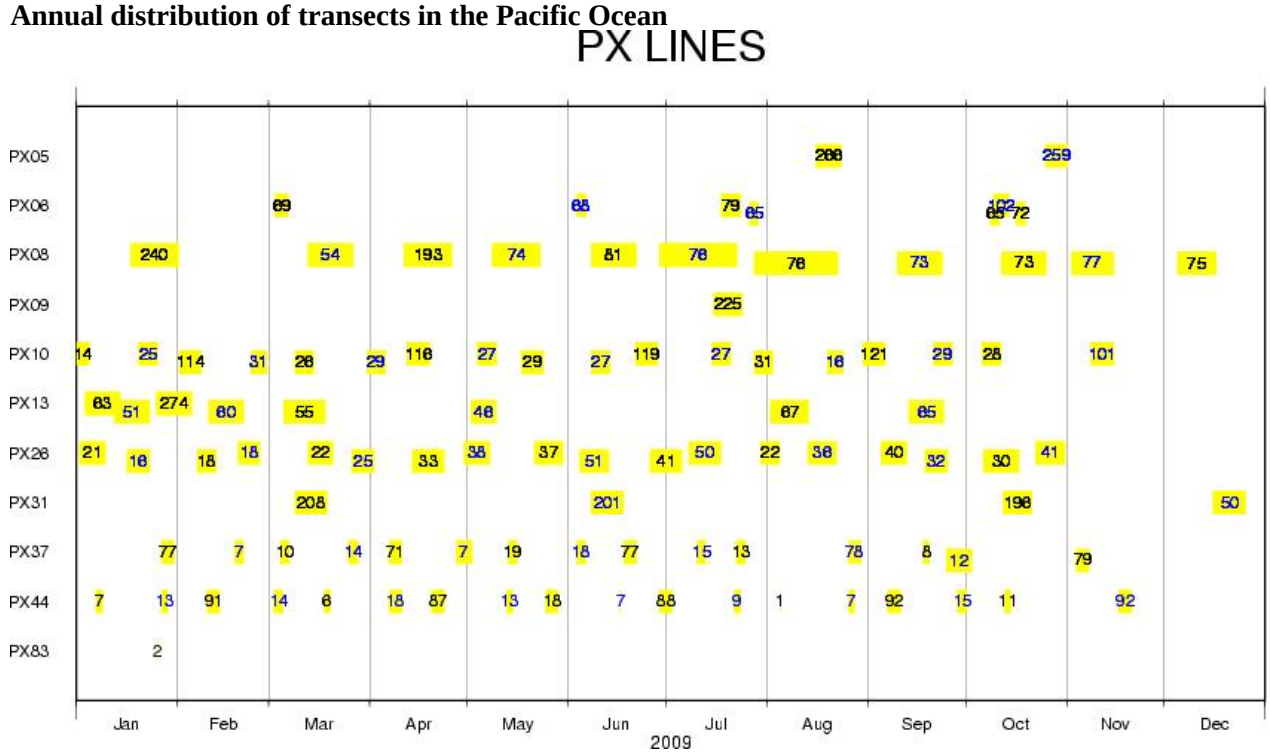
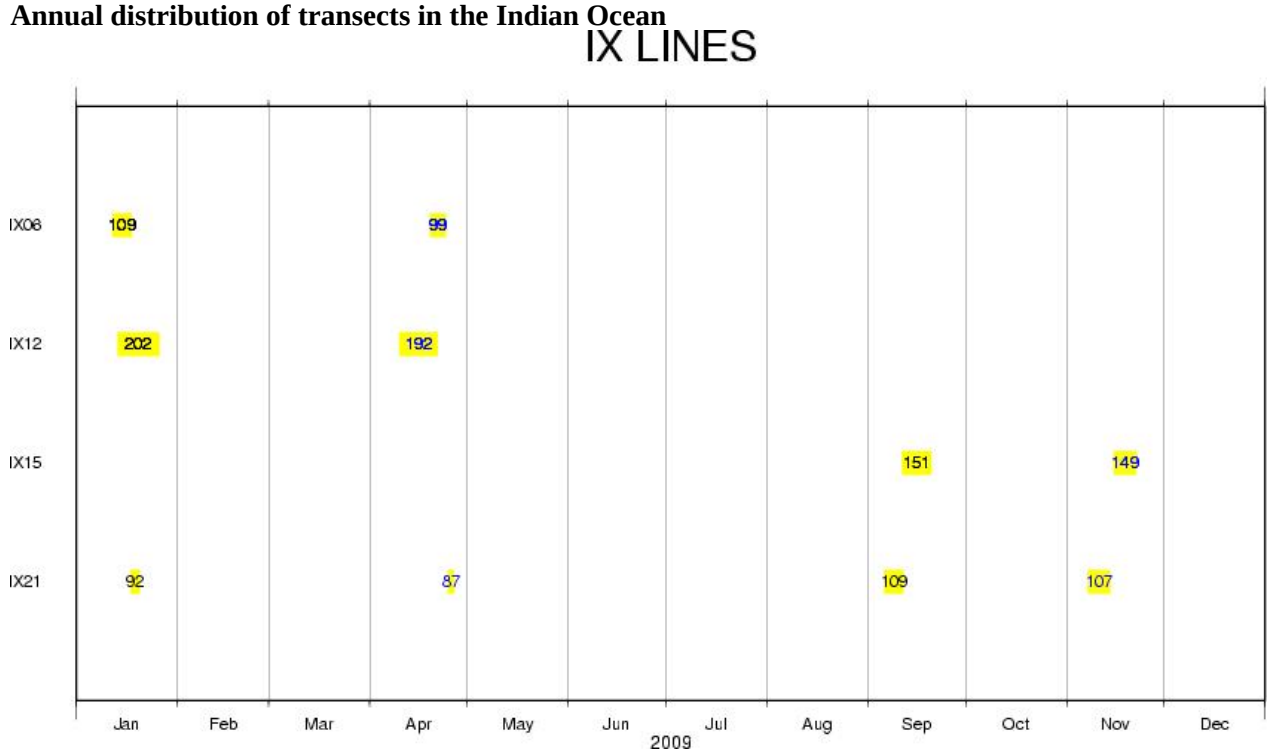
Annual distribution of high-density transects managed by Scripps



Annual distribution of transects in the Atlantic Ocean



Annual distribution of transects in the Pacific Ocean



Annual distribution of transects in the Indian Ocean