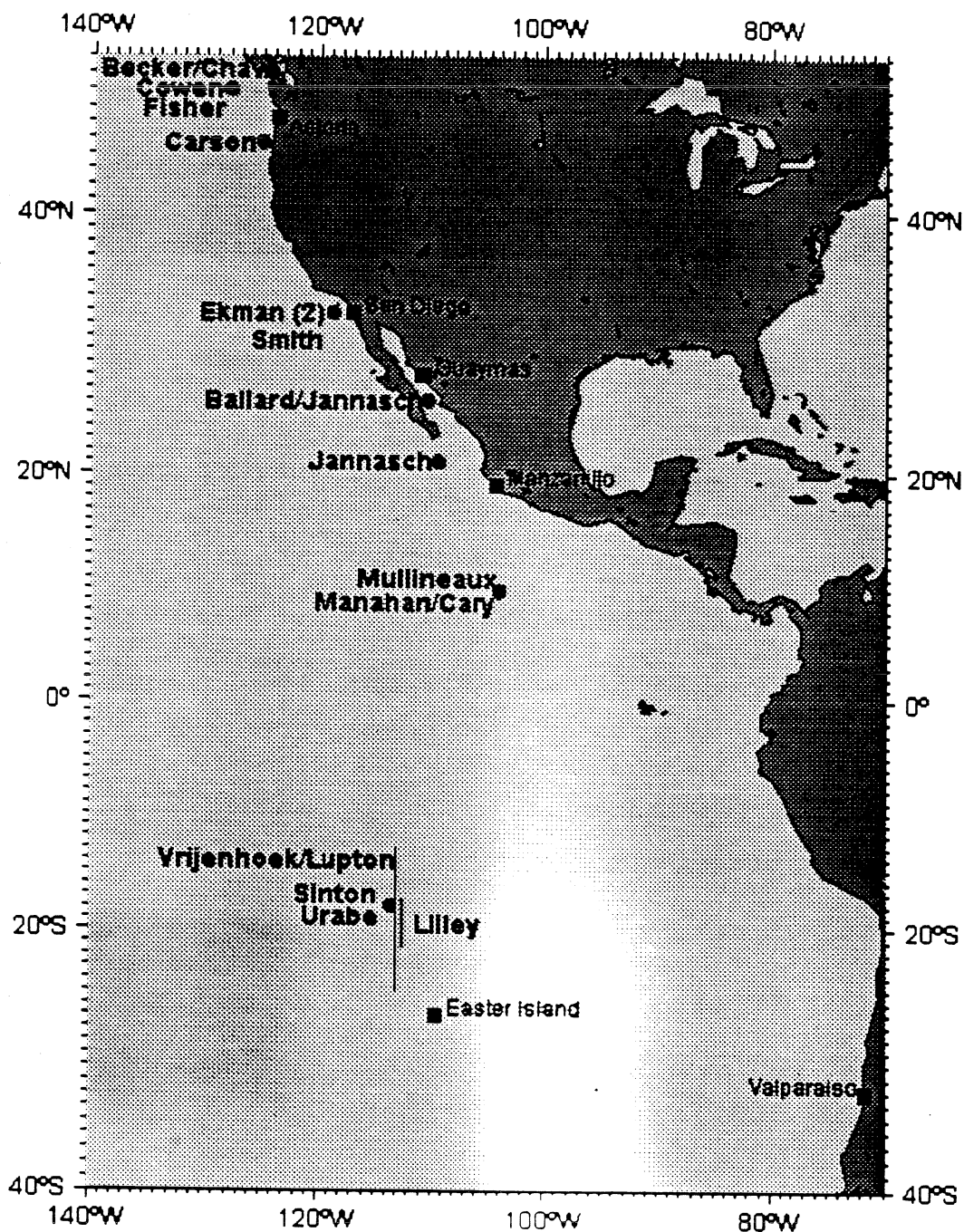


APPENDIX IV

1998 ATLANTIS Work Sites

*Click on an investigator's name to see the cruise synopsis,
or click on a port to see agent information*



REMOTELY OPERATED VEHICLES 1998 SCHEDULE

CRUISE DATES	MAP INDEX/AREA/ PURPOSE	P.I./INSTITUTION/ PROPOSAL NO.	PORTS	DAYS/AGENCY/ STATUS/ CLEARANCE
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R/V MELVILLE

05	EPR, 28S-32S/	Hey, R/UH/	Easter Isl	43/NSF/F
13 Apr	DSL-120 Ops.- 29 DOS		Papeete	Chile

R/V ATLANTIS

18 Apr	NP13/Guaymas Basin/	Ballard/C.Explor/	Guaymas	7/ONR/F
24 Apr	Jason Ops.- 7 DOS	ONR/Jason Project	Guaymas	Mexico

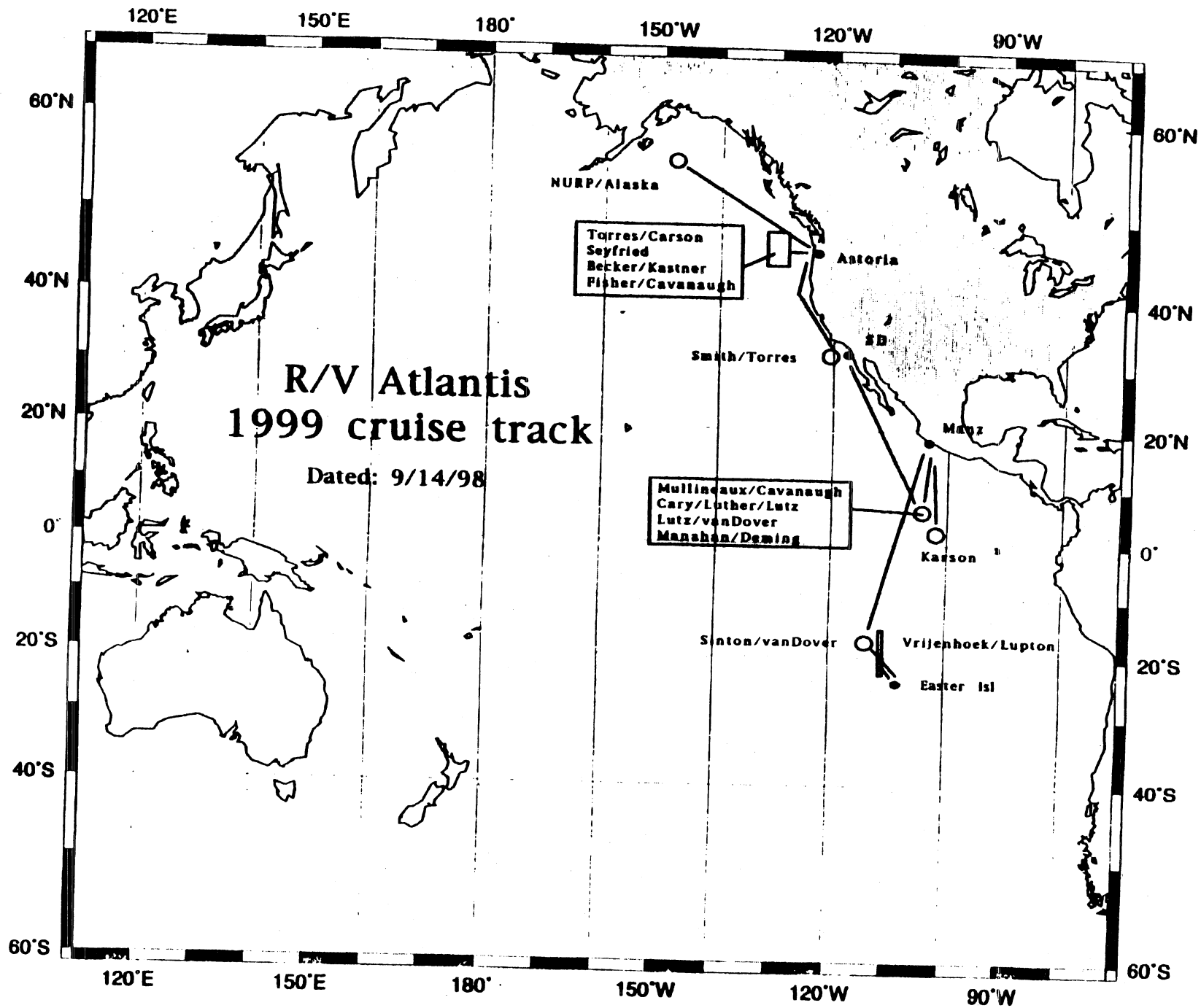
R/V THOMPSON

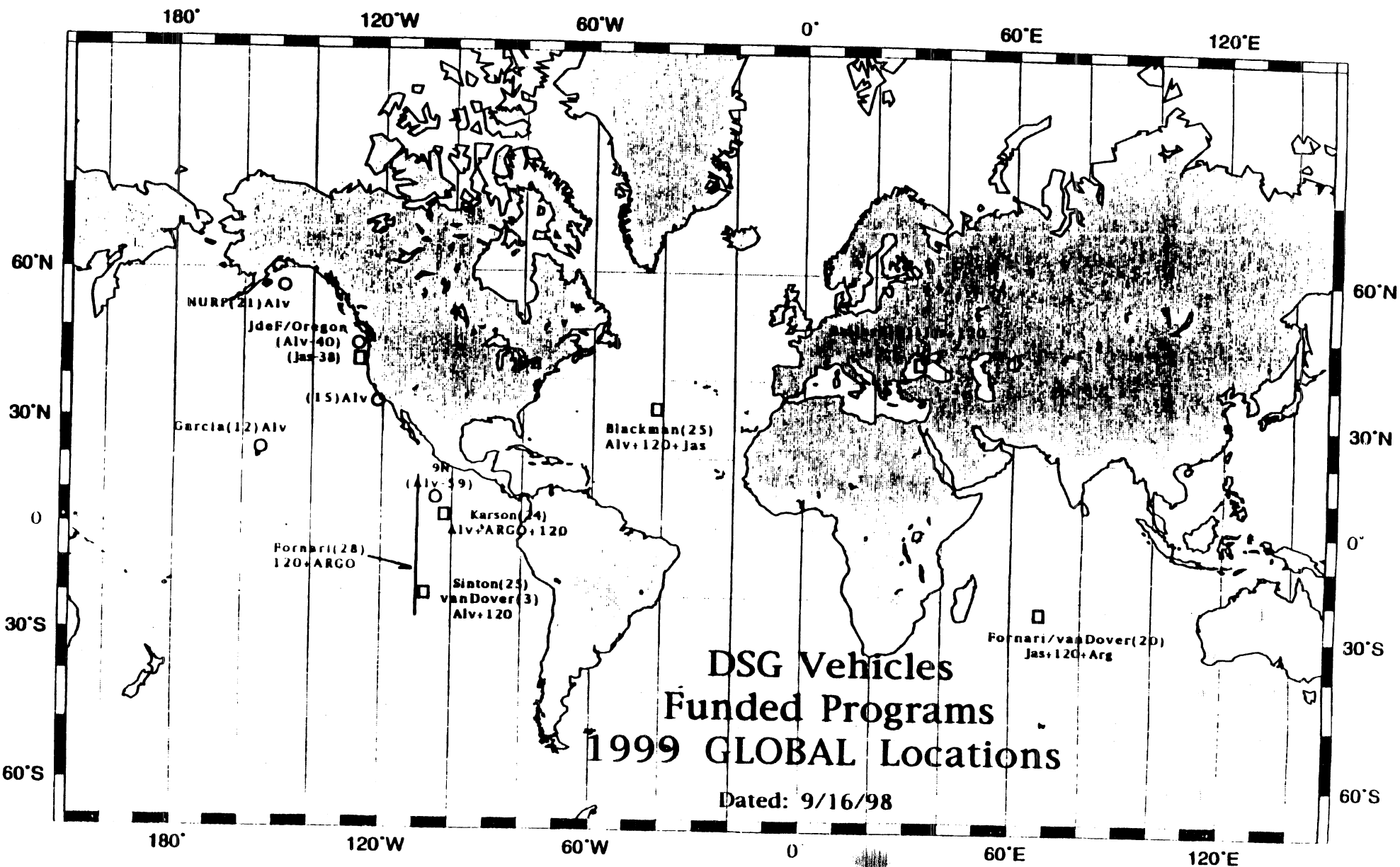
10 Aug	NP9/Juan de Fuca Rdg/	Chadwick, W/OSU	Seattle	9/NSF/F
18 Aug	Jason	OCE-9633261	At Sea	
19 Aug	NP9/Juan de Fuca Rdg/	Stakes, D/MBARI	At Sea	4/MBARI/F
22 Aug	DSL-120 Survey		Seattle	
27 Aug	NP12	Chave, A/WHOI/	Seattle	28/NSF/F
21 Sep	Jason	OCE-9724491	Honolulu	
26 Sep	NP12/Off Hawaii/	Smith, D/WHOI/	Honolulu	39/NSF/F
31 Oct	DSL-120, Argo-II	OCE-9618226	Honolulu	

1999 and BEYOND
FUNDED Alvin & ROV DIVE PROGRAMS
 (Sorted by Dive Site)

<u>Year</u>	<u>Program</u>	<u>Agency</u>	<u>Vehicle(s)</u>	<u>Days on Sta.</u>
<u>Southern EPR</u>				
1999	Lupton,etal (F)	NURP	Alvin	1 0 (begin 1998)
1999	Vrijenhoek (F)	NSF	Alvin	1 4 (begin 1998)
1999	Sinton (F)	NSF	Alvin & DSL-120	2 5
1999	vanDover (F)	NSF	Alvin	3
<u>9 North. EPR</u>				
1999	Luther (F)	NSF	Alvin	8 (LEXEN)
1999	Cary (F)	NSF	Alvin	4 *
1999	Lutz (F)	NSF	Alvin	2 0 *
1999	Manahan (F)	NSF	Alvin	8 *
1999	Mullineaux (F)	NSF	Alvin	1 0 *
1999	vanDover (F)	NSF	Alvin	3
1999	Cavanaugh (F)	NURP	Alvin	3
2000	Lutz (F)	NSF	Alvin & Jason	2 3 *
2000	Manahan (F)	NSF	Alvin	8 *
2000	Luther (F)	NSF	Alvin	8 * (LEXEN)
<u>California Coast</u>				
1999	Smith/Torres (F)	NURP	Alvin	1 5 *
1999	Eng'r Dives	3 agency	Alvin & Jason	3
<u>Juan de Fuca</u>				
1999	Becker (F)	NSF	Alvin	7 *
1999	Carson,B (F)	NSF	Alvin	4 *
1999	Cavanaugh (F)	NURP	Alvin	3
1999	Deming (F)	NSF	Alvin	5
1999	Fisher (F)	NSF	Alvin	1 0 *
1999	Kastner (F)	NSF	Alvin	5 *
1999	Seyfried (F)	NSF	Alvin	4
1999	Torres,M (F)	NSF	Alvin	1 2
1999	Chadwick (F)	NSF	Jason	6 *
1999	Cowen (F)	NSF	Jason	1 0 * (LEXEN)
1999	Embley (F)	NURP	Jason	2 0
2000	Carson,B (F)	NSF	Alvin	3 *
2000	Kastner (F)	NSF	Alvin	5
<u>Other Regions</u>				
1999	Fornari (F)	NSF	DSL-120	2 8 (20N-25S,EPR)
1999	Fornari/vDover (F)	NSF	DSL-120 & Jason	2 0 (Indian Ocean)
1999	Karson (F)	NSF	Alvin & ARGO+120	2 4 (Hess Deep)
1999	NURP/Alaska (F)	NURP	Alvin	2 1 (G of Alaska)
2000	Blackman (F)	NSF	Alvin,Jason,DSL-120	2 5 (MAR,30N)
2000	Garcia (F)	NSF	Alvin	1 2 (Hawaii)
2000	MacDonald (F)	MMS	Alvin or Jason	1 0 (G of Mexico)

* Indicates 2nd or 3rd year of Time Series





Dated: 03 September 1998

R/V ATLANTIS 1999

<u>Area</u>	<u>Operating Days</u>
Southern East Pacific Rise	67
Hess Deep	37
Northern East Pacific Rise	106
Oregon Margin	23
Gulf of Alaska	37
Juan de Fuca	43
California Coast	19

	1999 ATLANTIS			1999 ALVIN+ARGO+120 DIVES
	TOTAL	FUNDED	PENDING	TOTAL
NSF=	272	272	0	166
ONR=	0	0	0	0
NURP=	0	0	0	3
NURP/Alaska=	67	67	0	42
OTHER=	0	0	0	0
MAINTENANCE=	26	-	-	-
TOTAL=	365	339	0	211

Unscheduled programs Requiring ALVIN

FUNDED programs:

ENG'R - 3 Agencies - 3dos - Alvin - any region
GARCIA - OCE-9633404 - 12dos - Alvin - Hawaii
BLACKMAN - OCE-9618213 - 25dos - Alvin+Jason - M.A.R.

REMOTELY OPERATED VEHICLES 1999 SCHEDULE

CRUISE DATES	MAP INDEX/AREA/ PURPOSE	P.I./INSTITUTION/ PROPOSAL NO.	PORTS	DAYS/AGENCY/ CLEARANCE
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R/V ATLANTIS

25 JAN	SP3/EPR, 188/ ALVIN+120 OPS.- 25 DOS	SINTON/HAW/ OCE-9633398	EASTER ISL. - - -	42/NSF/F
06 MAR	SP3/EPR, 188/ ALVIN OPS.- 3 DIVES	VANDOVER/WM.MARY/ OCE-9811410	- - - MANZANILLO	3/NSF/F
12 MAR	NP13/HESS DEEP/	KARSON, J/DUKE/	MANZANILLO	37/NSF/F
12 APR	ALVIN+ARGO - 24 DOS	OCE-9633725	MANZANILLO	

** R/V TBD **

04 JUN	NAS/MED/BLACK SEA/	BALLARD/C.EXPLOR/	TBD	26/ONR/F
30 JUN	JASON/120 - 22 DOS	ONR/JASON PROJECT	TBD (ISTANBUL)	
xx JUL	NAS/MED. SEA/	BALLARD/C.EXPLOR/	TBD	30/PRIV/P
xx JUL	DSL-120 OPS.	PRIVATE FUNDS	TBD	

R/V THOMPSON

24 Aug	NP9/JUAN DE FUCA Rdg/	CHADWICK, W/OSU	SEATTLE	9/NSF/F
01 Sep	JASON OPS.- 6 DOS	OCE-9633261	ASTORIA	
02 Sep	NP9/JUAN DE FUCA	COWEN, J/UH	ASTORIA	15/NSF/F
16 Sep	JASON OPS.- 10 DOS	OCE-9714286 (LEXEN)	SEATTLE	
(TO BE SCHEDULED - R/V THOMPSON)				
xx Sep	NP9/JUAN DE FUCA	EMBLEY, R/NOAA	SEATTLE	25/NOAA/P
xx Sep	JASON OPS.- 22 DOS	- - -	SEATTLE	

** R/V MELVILLE (2000) **

xx FEB	NP13/25N-25E EPR	FORNARI, D/WHOI/	MANZANILLO	44/NSF/F
xx MAR	ARGO/120 OPS. - 28 DOS	OCE98-11504	PAPEETE/EASTER ISLAND	

** R/V ATLANTIS (2000) **

xx AUG	NA7/MAR-30N/	BLACKMAN/SIO/	TBD	40/NSF/F
xx SEP	ALVIN+JASON- 25 DOS	OCE-9618213	TBD	

** TO BE SCHEDULED **

xx xxx	IN3/CENT. INDIAN RIDGE/	FORNARI/VAN DOVER	TBD	--/NSF/F
xx xxx	JASON/ARGO/120 - 20 DOS	OCE-9712358	TBD	

1999 and BEYOND
proposed Alvin & ROV DIVE PROGRAMS
 (Sorted by Dive Site)

<u>Year</u>	<u>Program</u>	<u>Agency</u>	<u>Vehicle(s)</u>	<u>Days on Sta.</u>	<u>Total Days on Sta.</u>
<u>Southern EPR</u>					
1999	Naar	NSF	Alvin & DSL-120	21	
2000	vanDover	NSF	Alvin	8	29
<u>9 North EPR</u>					
1999	Cairy	NSF	Alvin	8	
1999	Cochran	NSF	Alvin	30	
1999	Gregg	NSF	Alvin	3	
1999	Schouten	NSF	DSL-120 & Jason	25	
1999	Tolstoy	NSF	Alvin	8	
99/00	KIM	NSF	ALVIN	20	
2000	Tolstoy	NSF	Jason	4	98
<u>California Coast</u>					
1999	Levin	NSF	Alvin	26	
1999	Rathburn	NSF	Alvin	13	39
<u>Juan de Fuca</u>					
1999	Delaney	NSF	Alvin & Jason	30	
1999	Johnson	NSF	Alvin	29 (ROBE)	
1999	Johnson	NSF	Alvin	7	
1999	Lilley	NSF	Alvin	6	
1999	Rona	NSF	Jason	12	
1999	Schaeffer	NSF	Alvin	2	86
<u>Other Regions</u>					
1999	Ballard	ONR	Jason, DSL-120, ARGO	21	(Black Sea)
1999	Ciliff	NSF	Alvin	36	(Marianas)
1999	Davis/Galagher	NSF	Jason	14	(GLOBEC)
1999	Fryer	NSF	DSL-120	7	(Marianas)
1999	Rona	NSF	Alvin & Jason	21	(MAR-15N)
1999	Smith, D.	NSF	DSL-120	25	(Hess Deep)
1999	Staudigel	NSF	Alvin	5	(any vent)
1999	Tucholke	NSF	Alvin, DSL-120, ARGO	21	(MAR-23N)
99/00	Orange	NSF	ALVIN, DSL-120, JASON	38	(W. AUSTRALIA)
2000	Chave	NSF	ALVIN	9	(MAR-TAG)
2001	Chave	NSF	ALVIN	7	(MAR-TAG)
2000	Silver	NSF	Jason	30	(NEW GUINEA) 227

479 DAYS