

Alvin Schedule 2015



Departure	Arrival	Port	PI	Days/Agency/Status
25-Jan	29-Jan	Rada de Arica, Chile	Bruce Strickrott 4,500 meter certification Dive	5 days / NSF-OCE-IPS/Funded
15-Jun	29-Jun	St. Petersburg FL St. Petersburg FL	Dave Valentine / Chris Reddy Oxyhydrdocarbons	17/NSF-OCE-CO/Funded 1/Navy-ONR/Funded
8-Jul	28-Jul	Morehead City WHOI	Cindy Van Dover CeepC	22/NSF-OCE-BIO/Funded 1/NSF-OCE-IPS/Funded
				46 days total



★ - 46 *Alvin* Days, 3 cruises



Jason Schedule 2015



Departure	Arrival	Ports	PI	Days/Agency/Status
27-Mar	17-Apr	Auckland NZ Auckland NZ	Bruce Houghton Harve 2012 Eruption <i>R/V Revelle w/ Sentry</i>	26/NSF-MGG / Funded 1 / NSF-IPS / Funded
21-Apr	14-May	Auckland NZ Auckland NZ	Ana Louise Reysenbach Lau Spreading Center <i>R/V Revelle</i>	27/NSF-BIO / Funded
14-Aug	29-Aug	Seattle Seattle	Scott Nooner/Dave Butterfield Bill Chadwick Axial & Vents w/ rapid <i>R/V Thompson w/ Sentry</i>	15 /NSF-MGG / Funded 5 / NOAA / Funded 1 / NSF-IPS / Funded
2-Sep	18-Sep	Seattle Esquimalt Hbr	Kate Moran/D.Dilorio/R.Light Ocean Networks CA <i>R/V Thompson</i>	16 / Unv. Of Victoria / Funded 4 / NSF - OTIC / Funded
30-Sep	14-Oct	Newport OR Newport OR	Doug Toomey Cascadia Initiative <i>R/V Thompson</i>	18 / NSF-MGG / Funded
17-Oct	28-Oct	Newport Seattle	Matt Heintz/Mark Zumberge and Will Willcock Jason Engineering / Strainmeter <i>R/V Thompson</i>	9 / NSF-IPS / Funded 2 / NSF - OTIC / Funded 2 / Inst-UW / Funded
				126 days total



Sentry Schedule 2015



Departure	Arrival	Ports	PI	Days/Agency/Status
16-Dec	15-Jan	Honolulu Apra Harbor	Masako Tominaga JQZ Magnetics <i>R/V Siquiaq</i>	16 / NSF-MGG / Funded
2-Mar	14-Mar	Auckland NZ Auckland NZ	Carl Kaiser / Cornel deRonde <i>HMNZS Wellington</i>	17 / other / Funded
27-Mar	17-Apr	Auckland NZ Auckland NZ	Bruce Houghton Havre 2012 Eruption <i>R/V Revelle with ROV Jason</i>	25 / NSF-MGG / Funded
15-Jun	29-Jun	St. Petersburg St. Petersburg	Dave Valentine / Chris Reddy Oxyhyrdocarbons <i>R/V Atlantis with Alvin</i>	18 / NSF-CO / Funded
8-Jul	28-Jul	Morehead City WHOI	Cindy Van Dover CeepsC <i>R/V Atlantis with Alvin</i>	23 / NSF - BIO / Funded
14-Aug	29-Aug	Seattle Seattle	Bill Chadwick Axial & Vents w/ rapid <i>R/V Thompson w/ ROV Jason</i>	18 / NSF-MGG / Funded 1 / NSF-IPS / Funded
24-Sep	7-Nov	Honolulu Honolulu	Amy Baco-Taylor Recovery of Seamount <i>R/V Kilo Moana</i>	47 / NSF -BIO / Funded 1 / NSF - IPS / Funded
18-Nov	17-Dec	Apra Harbor Apra Harbor	Joseph Resing Mariana Black-arc <i>R/V Falkor</i>	19 / other / Funded 11 / NOAA-OE / Funded
				196 days total



2015 *Jason* & *Sentry* Operation Areas

NDSF Operator's Report



- ★ - 196 *Sentry* days
- ★ - 126 *Jason* days



2016 Ship Time Requests for *Alvin*, *Jason*, *Sentry* and "Other ROV"



Overview of 2016 STRs

97 Total STR's submitted into UNOLS

50 Declined (51%)

7 Withdrawn

5 To Be Submitted

13 Pending

22 Funded (23%)

9 Scheduled in 2016

13 Deferred to 2017



Alvin Schedule 2016



Start	End	Port	Port	PI and Project Title	Days	Agency	Status
22-Feb	26-Feb	Charleston	Charleston	NAVSEA ANNUAL SURVEY incl R/V Atlantis LARS	-	NAVY	NonOP
7-Mar	12-Apr	Bridgetown	Bridgetown	Kurz, M/Mantle Volatiles	38	NSF-MGG	Funded
				Alvin Engineering Dive	1	NSF-IPS	Funded
				with AUV Sentry			
17-Aug	10-Sep	Gulfport	Gulfport	Joye, S/Gulf Extremes	29	Other	Pending
				with AUV Sentry			
3-Oct	21-Oct	Balboa	Manzanillo	Ding, K/Chemical Sensor EPR	20	NSF-OTIC	Funded
				Scott, K/C Fix'n by Riftia	2	NSF-BIO	Funded
				Alvin Engineering Dive	1	ONR	Funded
27-Oct	26-Nov	Manzanillo	Manzanillo	Gregg, P/Melting Off-Axis	37	NSF-MGG	Funded
				with AUV Sentry			
2-Dec	20-Dec	Manzanillo	Manzanillo	Teske, A/Guaymas CSN	23	NSF-BIO	Funded
				with AUV Sentry			

Total

151



Jason Schedule 2016



Start	End	Port	Port	PI and Project Title	Days	Agency	Status
1-Jan	30-Mar	WHOI	WHOI	VEHICLE UPGRADE		NSF	NonOp
5-Apr	14-Apr	San Diego	San Diego	Heintz, M/Jason Test Cruise R/V SIKULIAQ	15	NSF-IPS	Funded
4-Jun	10-Jun	San Diego	Victoria Hbr	Zumberge, M/SIOFS R/V SIKULIAQ	11	NSF-OTIC	Funded
13-Jun	25-Jun	Victoria Hbr	Victoria Hbr	Kulin, I/ONC/Unv Victoria R/V SIKULIAQ	15	Other	Funded
29-Jun	5-Jul	Victoria Hbr	Seattle	McGuire, J/Cascadia ACORK R/V SIKULIAQ	10	NSF-MGG	Funded
11-Jul	13-Aug	Seattle	Seattle	Ittig, B/OOI-O&M Jason Engineering Dive R/V SIKULIAQ	38 1	NSF-OOI NSF-IPS	Pending Funded
10-Sep	26-Oct	Honolulu	Honolulu	Baco-Taylor, A/Recovery of Seamount Jason Engineering Dive	51 1	NSF-BIO NSF-IPS	Funded Funded
25-Dec	5-Jan	Manzanillo	Easter Island	Mobe and Transit for 2017 Cheadle, M/Pito Deep	2	NSF-MGG	Funded
Total					144		



Sentry Schedule 2016



Start	End	Port	Port	PI and Project Title	Days	Agency	Status
27-Feb	27-Feb	Charleston	Charleston	Kurz, M/Mantle Volatiles Mobilization day R/V Atlantis	1	NSF-MGG	Funded
28-Feb	5-Mar	Charleston	Bridgetown	Transit	0	NSF-MGG	Funded
7-Mar	12-Apr	Bridgetown	Bridgetown	M. Kurz/Mantle Volatiles R/V Atlantis w/ Alvin	39	NSF-MGG	Funded
14-Apr	21-Apr	Bridgetown	Woods Hole	Transit	0	NASA	Pending
17-Aug	10-Sep	Gulfport	Gulfport	Joye, S/Gulf Extremes R/V Atlantis w/ Alvin	29	Other	Pending
27-Oct	26-Nov	Manzanillo	Manzanillo	Gregg, P/Melting Off-Axis Sentry Engineering Dive R/V Atlantis w/ Alvin	34 1	NSF-MGG NSF-IPS	Funded Funded
2-Dec	20-Dec	Manzanillo	Manzanillo	Teske, A/Guaymas CSN Sentry Engineering Dive R/V Atlantis w/ Alvin	21 1	NSF-BIO NSF-IPS	Funded Funded
25-Dec	5-Jan	Manzanillo	Easter Island	Transit for Cheadle M. R/V Atlantis	0	NSF-MGG	Funded
Total					126		



Alvin STRs 2017 and Beyond



2017

PI	Ports/Area	Days	Vehicle Req.	Status
Levin	San Diego	12	<i>Alvin, Jason</i>	Pending
Luther	San Diego	15	<i>Alvin</i>	Pending
Llyod	None req	2	<i>Alvin, Jason</i>	Pending
Sievert	Manzanillo	12	<i>Alvin, Jason</i>	Pending

41

Alvin has 11 total STRs for 2017

2 have been withdrawn so far

5 have been declined so far (45%)

2018

PI	Ports/Area	Days	Vehicle Req.	Status
Levin	San Diego	12	Alvin, Jason	Pending

Alvin has 2 total STRs for 2018

1 has been declined so far (50%)

2019

0

2020

0



Jason STRs 2017 and Beyond



2017				
PI	Ports/Area	Days	Vehicle Req.	Status
Wheat*	Woods Hole	13	<i>Jason</i>	Funded
Lang*	St. George's	10	<i>Jason</i>	Funded
Cheadle	Isla de Pascua	25	<i>Jason</i>	Funded
Nooner	Astoria	5	<i>Jason</i>	Funded
McGuire	Iquique	9	<i>Jason, Other ROV</i>	Funded
Lang	St. Petersburg	12	<i>Jason</i>	Pending
Levin	San Diego	12	<i>Alvin, Jason</i>	Pending
Sasagawa	Newport	1	<i>Jason, Other ROV</i>	Pending
Lloyd	None	2	<i>Alvin, Jason</i>	Pending
Breier	Seattle	8	<i>Jason</i>	Pending
Wilcock	Newport	5	<i>Jason</i>	Pending
Humphris	Auckland	18	<i>Jason</i>	Pending
Sievert	Manzanillo	12	<i>Alvin, Jason</i>	Pending
Di Iorio	Gulfport	4	<i>Jason</i>	To Be Submitted
Di Iorio	Gulfport	2	<i>Jason</i>	To Be Submitted

* Deferred from 2016

Jason has 24 total STRs for 2017
 2 have been withdrawn so far
 10 have been declined so far (42%)



Jason STRs 2017 and Beyond



2018

PI	Ports/Area	Days	Vehicle Req.	Status
Levin	San Diego	12	<i>Alvin, Jason</i>	Pending
Sasagawa	Newport	1	<i>Jason, Other ROV</i>	Pending

Jason has 4 total STRs for 2018

2 have been declined (50%)

2019

PI	Ports/Area	Days	Vehicle Req.	Status
		0		

2020

PI	Ports/Area	Days	Vehicle Req.	Status
Wallace	Wellington	6	<i>Jason</i>	Funded



Sentry STRs 2017 and Beyond



2017				
PI	Ports/Area	Days	Vehicle Req.	Status
Cheadle	Isla de Pascua	25	<i>Sentry, Jason</i>	Funded
Whitcomb	None	3	<i>Sentry</i>	Funded
Eric Terrill	None	24	Other AUV	Funded
John A. Collins	Woods Hole	5	Other AUV	Funded
John A. Collins	Eureka	5	Other AUV	Funded
Samantha B. Joye	Gulfport	22	<i>Sentry</i>	Pending
Robert N. Harris	Puntarenas	26	<i>Sentry</i>	Pending
Peter Lonsdale	Rada Punta Arenas	16	<i>Sentry, Jason</i>	Pending
Christopher German	Seattle	21	<i>Sentry</i>	Pending
Makoto Saito	Balboa	36	Other AUV	Pending

Sentry has 16 total STRs for 2017

8 have been declined (33%)

2018				
PI	Ports/Area	Days	Vehicle Req.	Status
John A. Collins	Eureka	5	Other AUV	Funded

2019 & 2020

0



UNOLS Fleet and NDSF Scheduling Outlook



- March 24 & 25, 2016 2017 Annual Ship Scheduling Meeting
- June 15, 2016 – Spring 2017 R/V *Thompson* offline for mid-life refit
- R/V *Revelle* will follow R/V *Thompson* for mid-life refit, date TBD
- R/V *Atlantis* mid-life 2018-2019+? (TBD) - goal is to coordinate that timing with *Alvin* overhaul if possible
- Fleet will be down one global vessel in the foreseeable future (~2019)
- This is making NDSF scheduling very challenging
- New vessels coming on line:
 - R/V *Armstrong* – Scheduled to work funded science May 2016
 - R/V *Ride* – Anticipate to work funded science November 2016
- Putting assets on new vessels will be challenging but critical to sustain healthy schedules going forward