



2016 Alvin Schedule



Departure	Arrival	Port	PI	Days/Agency/Status
1 Jan	19 Feb	Charleston, SC	Shipyards Period	0/ NAVY-ONR/ Non-Op
22 Feb	26 Feb	Charleston, SC	NAVSEA Annual Survey	5/ NAVY-ONR/ Non-Op
7 Mar	2 Apr	Bridgetown, Barbados	M.Kurz/ Mantle Volatiles	30/ NSF-OCE-MGG/ Funded
28 Jul	7 Aug	WHOI	C.VanDover/ Early Career w/ Sentry	10/NSF-OCE-IPS/Funded
			Engineering Dive	1/ NAVY-ONR/ Funded
8 Oct	28 Oct	Balboa/ Manzanillo	K.Ding/ Chemical Sensor	23/ NSF-OCE-OTIC/ Funded
			K.Scott/ C Fix'n by Riftia	2/ NSF BIO-IOS/ Funded
3 Nov	3 Dec	Manzanillo, MX	P.Gregg/ Melting Off Axis	37/ NSF-OCE-MGG/ Funded
9 Dec	27 Dec	Manzanillo, MX	A.Teske/ Guaymas CSN w/ Sentry	23/ NSF-OCE-BIO/ Funded
				127 days total





2016 Jason Schedule



Departure	Arrival	Ports	PI	Days/Agency/Status
1 Jan	30 Mar	WHOI	Vehicle Upgrade	0/ INST-WHOI/ Non-Op
4 Apr	14 Apr	San Diego	M.Heintz/ Test Voyage <i>R/V Sikuliaq</i>	17/ NSF-OCE-IPS/ Funded
29 May	10 Jun	San Diego Victoria Harbor	W.Wilcock/ Oregon Profile M. Zumberge/ SIOF Engineering Dive <i>R/V Sikuliaq</i>	4/ NSF-OCE-MGG/ Funded 4/ NSF-OCE-OTIC/ Funded 11/ NSF-OCE-IPS/ Funded
13 Jun	25 Jun	Victoria Harbor	I.Kulin/ ONC <i>R/V Sikuliaq</i>	15/ Other/ Funded
30 Jun	6 Jul	Victoria Harbor/ Seattle	J.McGuire/ Cascadia ACORK <i>R/V Sikuliaq</i>	11/ NSF-OCE-MGG/ Funded
11 Jul	14 Aug	Seattle	B.Ittig/ OOI-O&M D.Butterfield/ VENTS-NeMO <i>R/V Sikuliaq</i>	38/ NSF-OCE-MGG/ Funded 1/ NOAA/ Funded
27 Nov	4 Dec	San Diego	B.Applegate/ Jason SVC <i>R/V Sally Ride</i>	14/ NSF-OCE-IPS/ Funded
31 Dec '16	11 Jan '17	Manzanillo, MX	Mobe for Cheadle 2017 <i>R/V Atlantis w/ Sentry</i>	2/ NSF-OCE-MGG/ Funded





2016 Sentry Schedule



Departure	Arrival	Ports	PI	Days/Agency/Status
26 Feb 7 Mar	26 Feb 2 Apr	Charleston/ Charleston Bridgetown/ Charleston	Mobelization day M.Kurz/ Mantle Volatiles <i>R/V Atlantis & Alvin</i>	1/ NSF-OCE-MGG/ Funded 31/ NSF-OCE-MGG/ Funded
18 Apr	5 May	Charleston/ WHOI	M.Turrell/ El Faro <i>R/V Atlantis</i>	21/ NTSB/ Funded
28 Jul	7 Aug	WHOI/ WHOI	C.VanDover/ Early Career Scientists <i>R/V Atlantis & Alvin</i>	11/ NSF-OCE-IPS/ Funded
24 Aug	4 Sep	Quonset Point/ Quonset Point	M.Nizinski/ Seascope <i>R/V Pisces</i>	9/ NOAA-NMFS/ To Be Submitted 6/ NOAA-OE/ Pending
3 Nov	3 Dec	Manzanillo/ Manzanillo	P.Gregg/Melting Off-Axis Sentry Engineering Dive <i>R/V Atlantis & Alvin</i>	36/ NSF-OCE-BIO/ Funded 1/ NSF-OCE-IPS/ Funded
9 Dec	27 Dec	Manzanillo/ Manzanillo	A.Teske/ Guaymas CSN Sentry Engineering Dive <i>R/V Atlantis & Alvin</i>	21/ NSF-OCE-BIO/ Funded 1/ NSF-OCE-IPS/ Funded
31 Dec	11 Jan	Manzanillo/ Isla de Pascua	Transit <i>R/V Atlantis</i>	1/ NSF-OCE-MGG/ Funded

139 days total





2016 *Alvin*, *Jason* & *Sentry* Operating Areas



★	139 <i>Sentry</i> days	7 Voyages
★	117 <i>Jason</i> days	8 Voyages
★	127 <i>Alvin</i> days	5 Voyages





2017 Alvin Schedule



Departure	Arrival	Port	PI	Days/Agency/Status
12 March	22 March	Transit to Puntarenas, CR	B.Strickrott/ Eng Dives	2 days / NSF-OCE-IPS/Funded
27 March	19 April	Puntarenas, CR	B.Strickrott/ Eng Dive G.Luther/ Nanoparticles	1 Day/ Navy-ONR/ Funded 29 days/ NSF-OCE-MGG/ Funded
24 April	14 May	Manzanillo, MX	S.Sievert/ In Situ Rates	25/NSF-OCE-BIO/Funded
20 May	11 June	Puntarenas, CR	E.Cordes/ Costa Rica Seeps	27/NSF-OCE-BIO/Funded
14 June	30 June	Transit to WHOI	B.Strickrott/ Eng Dives	2 days / NSF-OCE-IPS/Funded
7 Aug	11 Aug	WHOI	NAVSEA Sustaining Survey & Functional Audit	5 days/ Non-Op
				86 days total





2017 Jason Schedule



Departure	Arrival	Ports	PI	Days/Agency/Status
15-Jan	21-Feb	Isla de Pascua, Chile Rada de Arica, Chile	M.Cheadle/ Pito Deep Gabbros M.Heintz/ Engineering Dive <i>R/V Atlantis w/ Sentry</i>	42/ NSF-MGG / Funded 1 / NSF-IPS / Funded
26-Feb	9-Mar	Rada de Arica, Chile Rada de Arica, Chile	J.McGuire/ Chile Geodesy <i>R/V Atlantis</i>	16/ NSF-OCE-MGG/ Funded
12-Mar	2-Jun	Chile - WHOI	Maintenance/ Van Re-Fit	84 days Non-Op
13-Jul	22-Jul	Newport, OR Newport, OR	S.Nooner/ Axial Geodesy D.Butterfield/ VENTS-NeMO M.Heintz/ Engineering Dive <i>R/V Revelle w/ Sentry</i>	13/ NSF-OCE-MGG / Funded 1/ NOAA/ Funded 1/ NSF-IPS / Funded
26-Jul	26-Aug	Newport, OR Newport, OR	D.Kelly & Chadwick/ OOI-Array & Axial W.Wilcock/ Flipping Tilt <i>R/V Revelle</i>	36/ NSF-OOI-OOI & OCE-MGG/ Funded ?/ NSF-OCE-OTIC/ Funded

Continued >>>





2017 Jason Schedule



Departure	Arrival	Ports	PI	Days/Agency/Status
30-Aug	10-Sep	Newport, OR Newport, OR	I.Kulin/ ONC <i>R/V Revelle</i>	14 / Other/ Funded
14-Sep	20-Sep	Newport, OR Newport, OR	W.Wilcock/ Oregon Profile ASCPR <i>R/V Revelle</i>	10/ NSF-OCE-MGG / Funded
1-Oct	31-Oct	WHOI Bridgetown, Barbados	C.Wheat/ North Pond G.Steward/ Viruses in Basement <i>R/V Atlantis</i>	30/ NSF-OCE-MGG / Funded 3/ NSF-OCE-BIO/ Funded
14-Dec	2-Jan	Auckland, NZ Auckland, NZ	S.Humphries/ Brothers Volcano M.Heintz/ Engineering Dive <i>R/V Thompson</i>	21/ NSF-OCE-MGG/ Funded 1/ NSF-OCE-IPS/ Funded

189 days total



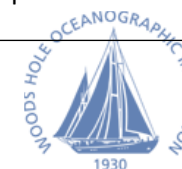


2017 Sentry Schedule



Departure	Arrival	Ports	PI	Days/Agency/Status
15-Jan	21-Feb	Isla de Pascua, Chile Rada de Arica, Chile	M.Cheadle/ Pito Deep Gabbros <i>R/V Atlantis</i>	43/ NSF-OCE-MGG / Funded
20-May	11-Jun	Punternneas, CR Punternneas, CR	E.Corde/ Costa Rica Seeps C.Kaiser/ Engineering Dive <i>R/V Atlantis</i>	27/NSF-OCE-BIO/ Funded 1/ NSF-OCE-IPS/ Funded
13-Jul	22-Jul	Newport, OR Newport, OR	S.Nooner/ Axial D.Butterfield M.Heintz/ Jason Engineering Dive <i>R/V Roger Revelle</i>	13/ NSF-OCE-MGG/ Funded 1/ NOAA/ Funded 1/ NSF-OCE-IPS/ Funded
27-Aug	7-Sept	Norfolk, VA Morehead City, NC	M.Nizinski Seascope <i>R/V Pisces</i>	12/ NOAA-OE/ TBS 4/NOAA-NMFS/ TBS
12-Sept	29-Sept	Morehead City, NC Morehead City, NC	J.Potter SAB Deepwater <i>R/V Pisces</i>	21/ NOAA-OE/ Pending
10-Nov	22-Nov	Apia, W. Somoa Apia, W. Somoa	K.Rubin/ Tongan Volcanoes C.Kaiser/ Engineering Dive <i>R/V Falkor</i>	15/ Other/ Funded 1/ NSF-OCE-IPS/ Funded
TBD	TBD	TBD	L.Whitcomb Gyro Dop Nav <i>R/V TBD</i>	3/ NSF-OCE-OTIC/ Funded Currently "non-Op"

139 days total





2017 Alvin, Jason & Sentry Operation Areas



★	139 Sentry days	7 Voyages
★	189 Jason days	8 Voyages
★	86 Alvin days	3 Voyages



Alvin STRs 2018 and Beyond



		2018		
PI	Ports/Area	Days	Vehicle Req.	Status
Craig M. Young	Gulfport	12	Alvin, Sentry	Pending
Diane K. Adams	Manzanillo	27	Alvin, Sentry	Pending
Erik Cordes	Puntarenas	20	Sentry, Alvin, Jason	Funded
Krista Longnecker	Manzanillo	15	Alvin, Jason	Pending
		74		

Alvin has 4 total STRs for 2018; 0 have been declined so far

		2019		
PI	Ports/Area	Days	Vehicle Req.	Status
		0		

Late 2019/2020 - Alvin Overhaul w/ Atlantis Midlife Refit

		2020		
PI	Ports/Area	Days	Vehicle Req.	Status
Craig M. Young	WHOI/Morehead City	12	Alvin, Sentry	Pending
		12		

Alvin has 1 STR for 2020; 0 have been declined so far

		2021		
		12 deferred dives from 2020?		



Jason STRs 2018 and Beyond



2018

PI	Ports/Area	Days	Vehicle Req.	Status
Jeremy M. Potter	Charleston	24	Jason	Pending
Erik Cordes	Puntarenas	20	Sentry, Alvin, Jason	Funded
Krista Longnecker	Manzanillo	15	Alvin, Jason	Pending
Raymond W. Lee	Astoria	5	Jason	Pending

64

Jason has 4 total STR's for 2018, 0 has been declined so far

2019

PI	Ports/Area	Days	Vehicle Req.	Status
Raymond W. Lee	Astoria	5	Jason	Pending

5

Jason has 1 STR's for 2019, 0 has been declined so far

2020

PI	Ports/Area	Days	Vehicle Req.	Status
Laura Wallace	Wellington	6	Jason	Funded
Raymond W. Lee	Astoria	5	Jason	Pending

11

Jason has 2 STR's for 2020, 0 has been declined so far

2021

0



Sentry STRs 2018 and Beyond



2018

PI	Ports/Area	Days	Vehicle Req.	Status
Jeremy M. Potter	Charleston	24	Jason	Pending
Erik Cordes	Puntarenas	20	Sentry, Alvin, Jason	Funded
Krista Longnecker	Manzanillo	15	Alvin, Jason	Pending
Raymond W. Lee	Astoria	5	Jason	Pending

64

Sentry has 4 total STR's for 2018, 0 has been declined so far

2019

PI	Ports/Area	Days	Vehicle Req.	Status
Raymond W. Lee	Astoria	5	Jason	Pending

5

Sentry has 1 STR's for 2019, 0 has been declined so far

2020

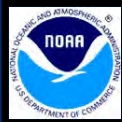
PI	Ports/Area	Days	Vehicle Req.	Status
Laura Wallace	Wellington	6	Jason	Funded
Raymond W. Lee	Astoria	5	Jason	Pending

11

Sentry has 2 STR's for 2020, 0 has been declined so far

2021

0



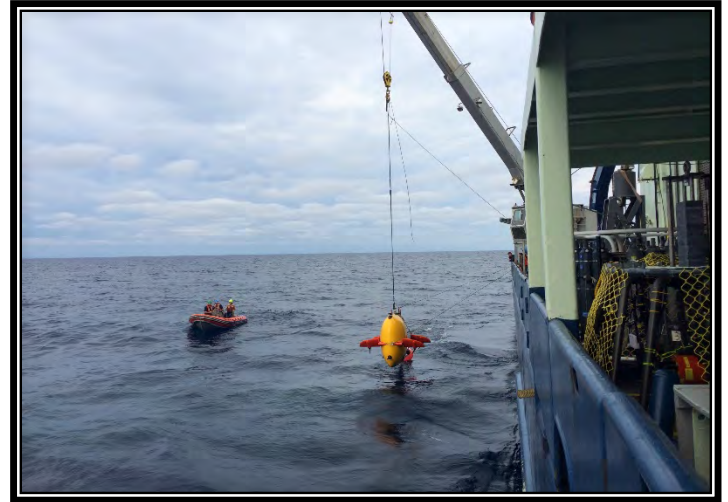
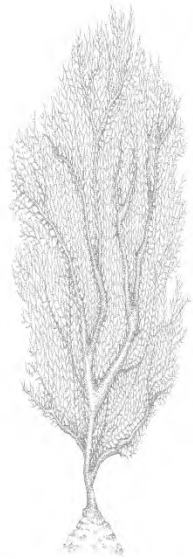
UNOLS Fleet and NDSF Scheduling Outlook



- 2017 Annual Ship Scheduling Meeting last March
- R/V *Thompson* mid-life refit (2016/17) will be followed by R/V *Revelle* refit in ~2018
- R/V *Atlantis* refit scheduled for 2019-20; coordinate w/ *Alvin* overhaul
- Fleet will be down one global vessel 2016-20
- Putting assets on new vessels is critical for healthy schedules



Questions?



Thank You

