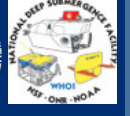




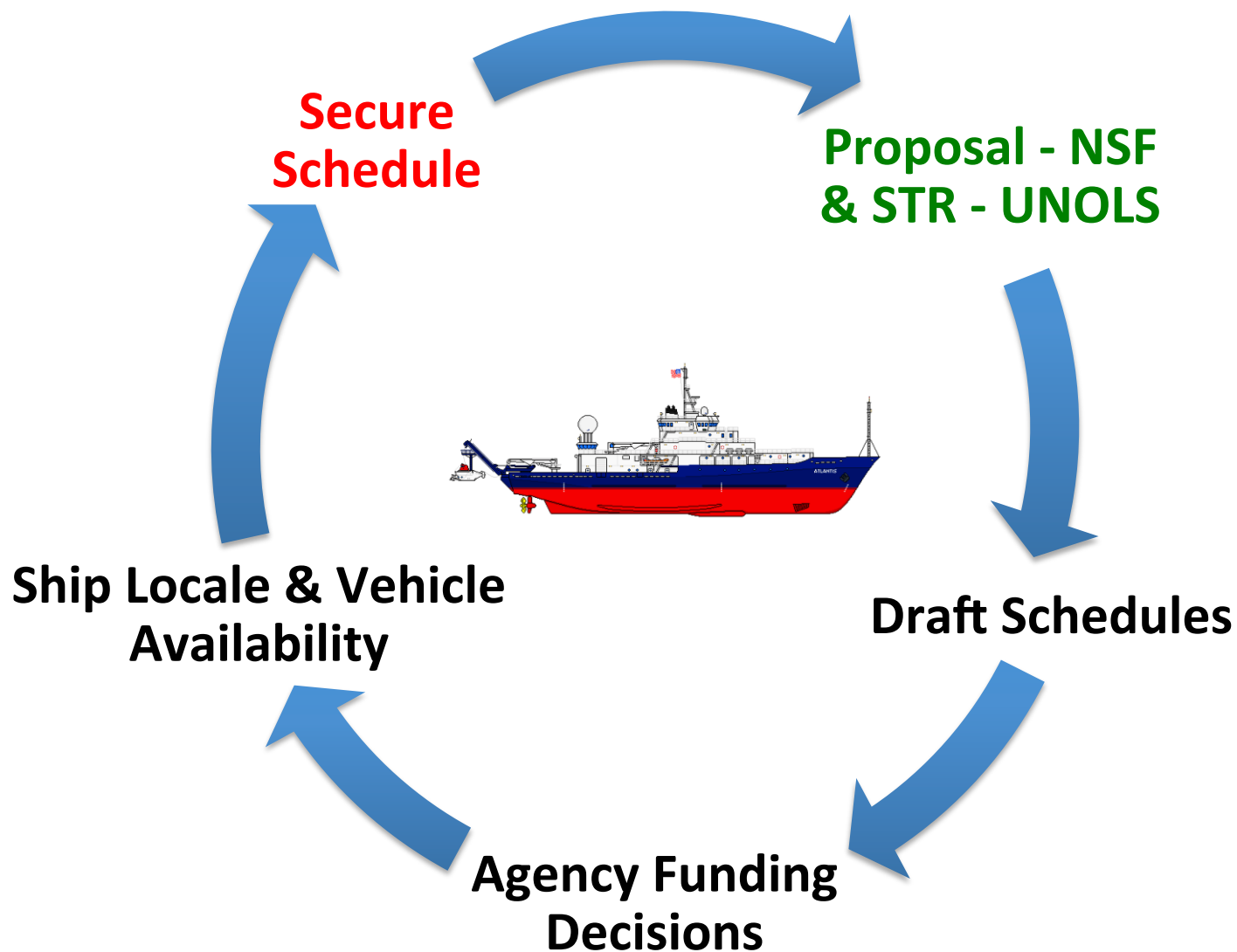
Scheduling Agenda



- **Schedule Process & Development**
- **Vehicle Utilization 2017-2019**
- **Summary: Looking Forward**



Scheduling Process





Ship Time Requests “STR”



- Submit Early
- Accuracy
 - Start date window
 - Time Estimates
 - Coordinates
- Update

[Duplicate Request](#)
[Schedule Request](#)

North Pond 2016 - 2017 - [Atlantis](#)

Project Information

View STR

Project Title: Collaborative Research: Completing North Pond Borehole Experiments to Elucidate the Hydrology of Young, Slow-Spread Crust
Project Status: Submitted
Principal Investigator: [Charles G. Wheat, UAF SFOS](#)
Project ID: 104738
Date Submitted: 2/10/2015 12:08:00 AM
Date Last Modified: 3/31/2016 12:35:00 PM
Funding Agencies: NSF/OCE/MGG - 1536623 - Funded
Project Institution: [Ole Miss](#)
Version #: 2
Created By: [Charles G. Wheat](#)
URI Serial #: None

Summary of Field Work: We propose to study a ridge flank hydrothermal site on slow spreading crust that has been the focus of multi-national, interdisciplinary, and multi-decadal effort to study ridge flank hydrothermal processes - North Pond, a northeast-trending, 8-km-wide by 15-km-long sediment pond located on the western flank of the Mid-Atlantic Ridge (MAR) at 22°45'N and 46°05'W. We request 13 days on site with the ROV Jason II in 2016 (or 2017) to accomplish the operations listed in Table 3 of the proposal in eight dives, each lasting about 20-24 hours with a 12-hour turnaround to account for crew logistics, "basket" changes, and line rigging. We have included 1.5 days for weather contingencies and 1 day for mechanical issues. Mechanical issues often arise due to the depth at which we will work (4480 m), which is deeper than normal operations.

Summary of Facility Requirements: Ocean going ship and the ROV Jason II
Summary of other requirements and comments: [ROV Jason II](#)

Ship Request Identification

Type of Request: Primary Ship Use
Request ID: 1007575
Date Last Modified: 3/31/2016 12:35:00 PM
Request Status: Submitted
Created By: [Charles G. Wheat](#)
Date Submitted: 2/10/2015 12:08:00 AM

Requested Ship, Operating Days and Dates

YEAR: 2017
SHIP/FACILITY: [Atlantis](#)
OPTIMUM START DATE: 3/1/2017
Dates to Avoid: not sure but probable hurricane season
Earliest Start Date: 3/1/2017
Multi-Ship Op: No
Latest Start Date: 8/1/2017
Other Ship(s): .

Operating Days Needed:	Science Days	Mob Days	De-Mob Days	Estimated Transit Days	Total Days
Repeating Cruise? (within same year) No	13	3	1	10	27
Interval:			# of Cruises:		

Description of Repeating cruise requirements: .
Justification/Explanation for ship choice, dates, We need to use Jason II to recover downhole packages, thus we need an ocean going ship. conflicts, number of days & multi-ship operations:

Work Area for Cruise

Short Description of Op Area for use in schedules:	Lat/Long	Marsden Grid	Navy Op Area
North Pond MAR	Beginning 22° N / 46° W map	77 map	NA10 map
Description of Op Area: western flank of the Mid Atlantic Ridge	Ending 22° N / 46° W map	77 map	NA10 map
Op Area Size/Dia.: 10	Show Degrees Minutes		

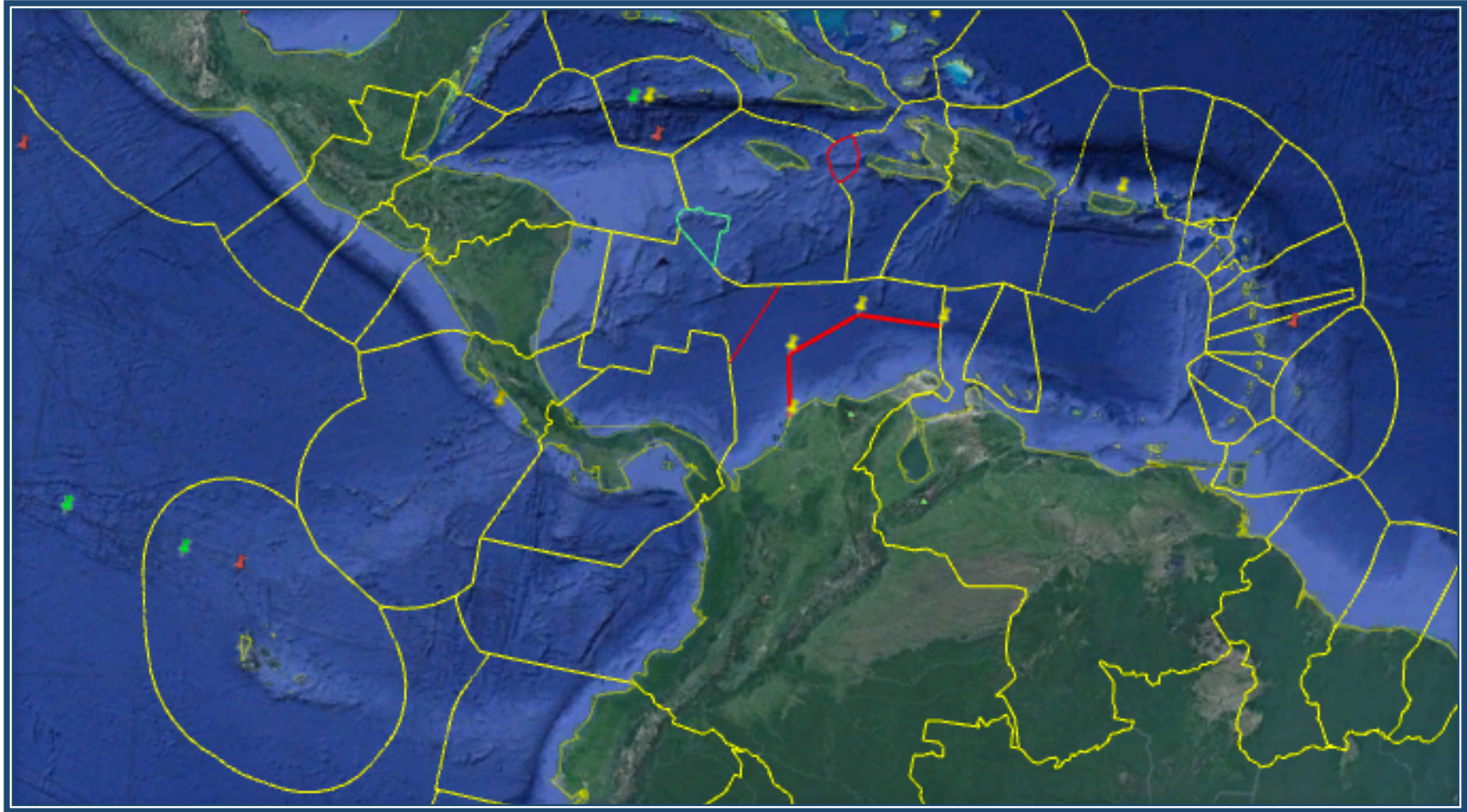
Foreign Clearance and Permitting Requirements

Foreign Clearance Required? No
Coastal States:

[Questions about Foreign Clearances?](#)



Exclusive Economic Zones “EEZ”





Deep Submergence Vehicle Scheduling Alvin 2017 - 2019



ALVIN	2017	2018	2019
Funded	111	122	9
Pending	0	0	88
To be submitted	0	0	0
Total Requests	111	122	97
Year to Year	16 Day Decrease from 2016	11 Day Increase from 2017	All STR's not in yet
Agencies	NSF & ONR	NSF, ONR & NOAA	NSF
Take away...	Decreased requests	Good funding diversity	12 days are Jason OR Alvin



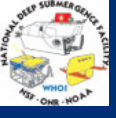
Deep Submergence Vehicle Scheduling Jason 2017 - 2019



JASON	2017	2018	2019
Funded	158	89	119
Pending	0	38	141
To be Submitted	0	0	25
Total Requests	158	127	285
Year to Year	41 day increase from 2016	31 Day Decrease from 2017	Too early to say...
Agencies	NSF & NOAA	NSF & ONR	NSF, ONR & NOAA
Take away...	Good day count	26 days are Jason OR Alvin	12 days are Jason OR Alvin



Deep Submergence Vehicle Scheduling Sentry 2017 - 2019



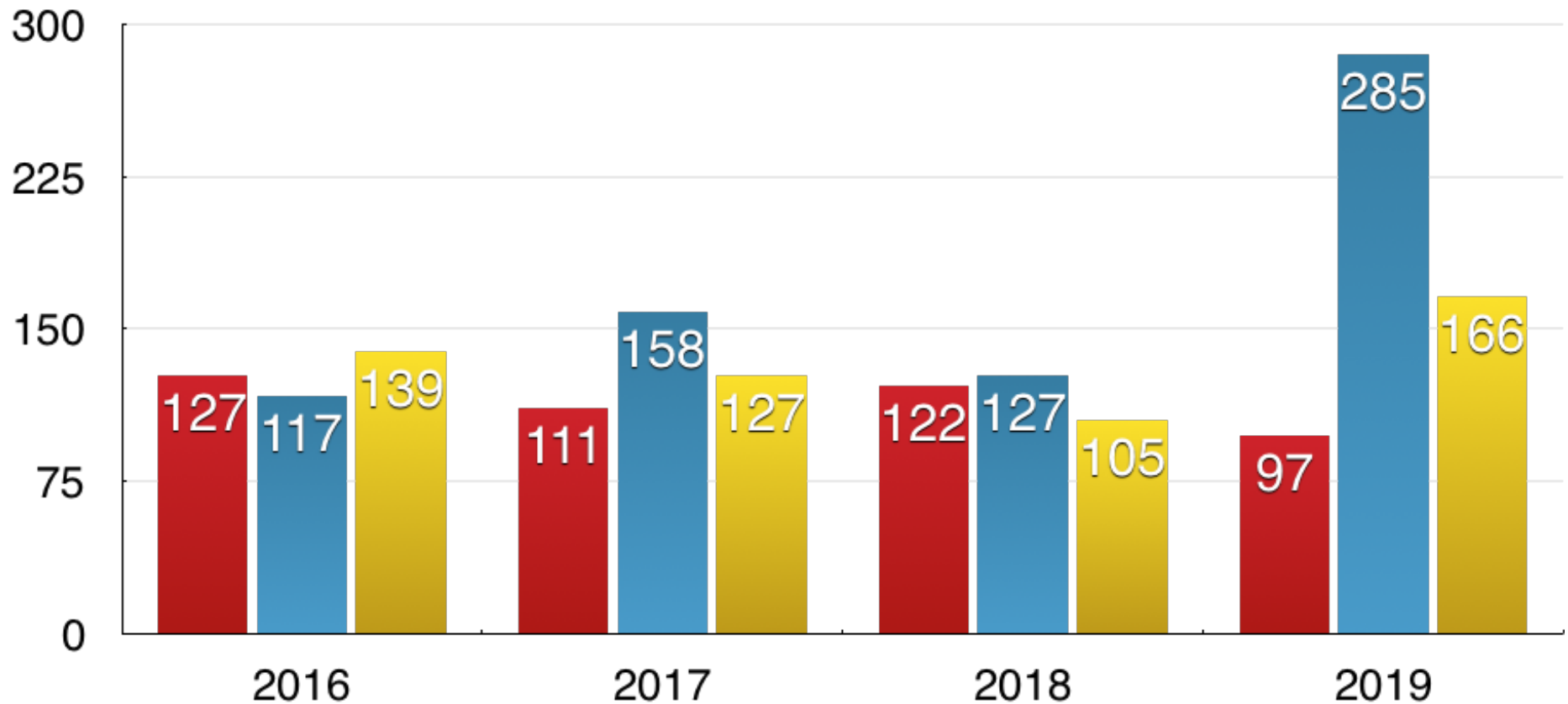
SENTRY	2017	2018	2019
Funded	127	105	106
Pending	0	0	56
To be Submitted	0	0	4
Total Requests	127	105	166
Year to Year	12 Day Decrease from 2016	22 Day Decrease from 2017	Too early to say...
Agencies	NSF, NOAA & Schmidt	NSF & Other	NSF & Other
Take away...	Diverse funding	Decreased requests	All STR's not in yet



4-Year Vehicle Overview



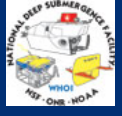
ALVIN **JASON** **SENTRY**



Days Funded from 2016 to 2018 (2019 Requested)



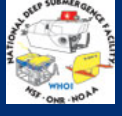
2017 *Alvin*, *Jason* & *Sentry* Operation Areas



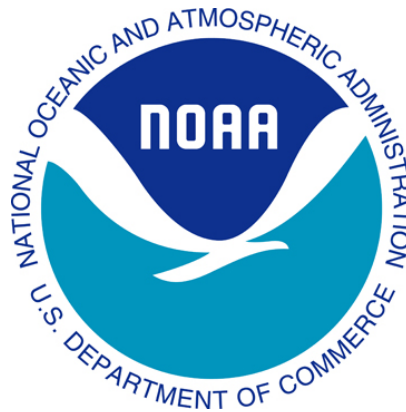
★	127 <i>Sentry</i> days	6 Voyages
★	158 <i>Jason</i> days	7 Voyages
★	111 <i>Alvin</i> days	3 Voyages



Looking Forward



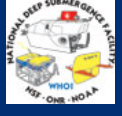
- Good mix of funding sources: NSF, NAVY & NOAA
- Utilization rates are stable for all vehicles
- Regular & additional engineering dives are *greatly* appreciated!
- AGOR-23 Class Mid-life Refit:
 - *Thompson* back on line -- 1st cruise March 2018
 - *Revelle* ~ late 2018
 - *Atlantis* 2020, coordinate w/ *Alvin* overhaul
 - 2021 all vessels back on line



Tusen hjertly takk!



I' m here to help...



Kerry Strøm
Marine Operations Coordinator

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