

**FY2016 - FY2030 Projected UNOLS Fleet Capacity (updated: 11/20/2017)**

		<div style="display: flex; justify-content: space-around; align-items: center;"> <span style="background-color: #c6e0b4; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> DeSign Life                     <span style="background-color: #ffff00; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> Extended Life                     <span style="background-color: #c00000; border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> Retired                 </div>																			
Ship/Class	Owner	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Ship Age	Retire Year	Year Built	LOA m (ft)	Sci. Berths
<b>Global Class</b>																					
<i>Thomas G. Thompson</i>	NAVY																26	2030	1991	84 (274)	36
<i>Roger Revelle</i>	NAVY																21	2026	1996	84 (274)	37
<i>Atlantis</i>	NAVY																20	2027	1997	84 (274)	37
<i>Marcus G. Langseth</i>	NSF																26	2030	1991	71 (235)	35
<i>Sikuliaq</i>	NSF																3	2045	2014	80 (261)	26
<b>Ocean/Intermediate Class</b>																					
<i>Kilo Moana</i>	NAVY																15	2032	2002	57 (186)	29
<i>Endeavor</i>	NSF																41	2020	1976	56 (185)	18
<i>Oceanus</i>	NSF																41	2019	1976	56 (184)	19
<i>Atlantic Explorer</i>	BIOS																35	2026	1982	51 (168)	20
<i>Neil Armstrong</i>	NAVY																2	2045	2015	73 (238)	24
<i>Sally Ride</i>	NAVY																2	2046	2015	73 (238)	24
<b>Regional Class</b>																					
<i>Hugh R. Sharp</i>	UDel																12	2035	2005	44 (146)	14
<i>RCRV1</i>	NSF																	2051	2021	58 (191)	18
<i>RCRV2</i>	NSF																	2052	2022	58 (191)	18
<i>RCRV3</i>	NSF																	2053	2023	58 (191)	18
<b>Coastal/Local Class</b>																					
<i>Robert Gordon Sproul</i>	SIO																36	2018	1981	38 (125)	12
<i>Pelican</i>	LUMCON																32	2020	1985	36 (116)	14
<i>Walton Smith</i>	U.Miami																17	2030	2000	30 (96)	16
<i>Savannah</i>	SKIO/UG																16	2031	2001	28 (92)	19
<i>Blue Heron</i>	UMINN																32	2025	1985	26 (86)	6
<i>Clifford Barnes</i>	NSF																51	2018	1966	20 (66)	6
<b>Ships</b>		<b>18</b>	<b>18</b>	<b>18</b>	<b>16</b>	<b>15</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>15</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>13</b>					

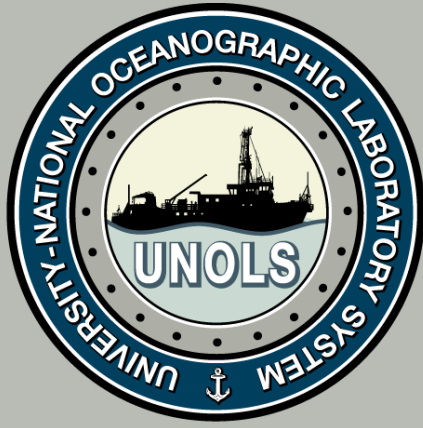
Notes/Revisions:

- Revision (5/20/16) Barnes will continue to operate as long as there is demand and the ship passes inspection
- Revision (5/20/16) Service Life Extensions for Global AGORs contingent on successful completion of mid-life refits.
- Revision (5/24/17) RCRV3 added to chart
- Revision (11/14/17) Barnes will retire in early 2018
- Revision (11/15/17) Service Life Extension to 2030 for Thompson on completion of mid-life refit.



# Full Optimal Year Range Definitions

	A	B	C	D	E	F	G	H	I	J
1	Updated: 11/20/2017									
2										
3		Standard Definition		2016 Adjusted FOY		2017 Adjusted FOY		2018 Adjusted FOY		
4		Minimum FOY	Maximum FOY	Minimum FOY	Maximum FOY	Minimum FOY	Maximum FOY	Minimum FOY	Maximum FOY	Notes
5	ATLANTIS	270	300	270	300	270	300	270	300	
6	R. REVELLE	270	300	270	300	270	300	270	300	
7	LANGSETH	270	300	180	210	240	270	270	300	2016 & 2017 - adjusted (shipyard & maintenance).
8	T.G. THOMPSON	270	300	108	120	10	10	270	300	2016 & 2017 adjusted by D. Russell (mid-life)
9	SIKULIAQ	270	300	270	300	270	300	270	300	
10										
11	ARMSTRONG	250	280	166	186	250	280	250	280	2016 adjusted based on Service start date
12	SALLY RIDE	250	280	42	47	250	280	250	280	2016 adjusted based on Service start date
13	KILO MOANA	250	280	170	200	250	280	250	280	2016 adjusted - A. Hilton 6/22/16
14	ENDEAVOR	200	230	200	230	200	230	200	230	
15	OCEANUS	180	210	180	210	180	210	180	210	
16	ATLANTIC EXPLORER	170	200	150	180	150	180	180	210	Standard and 2018 adjusted - Q. Lewis 11/14/17
17										
18	HUGH R. SHARP	165	195	165	195	165	195	165	195	Standard and all years adjusted - J.Swallow 11/15/17
19										
20	PELICAN	180	210	180	210	180	210	180	210	
21	WALTON SMITH	150	180	150	180	150	180	150	180	
22	R. SPROUL -	90	120	90	120	90	120	90	120	
23	SAVANNAH	90	120	90	120	165	195	140	170	2017 adjusted - J. Bichy 6/22/16, 2018 adjusted - Jbichy 11/14/17
24	BARNES	90	120	90	120	90	120	90	120	Barnes will transition to R/V Carson in 2018



# University-National Oceanographic Laboratory System

## ~UNOLS~

## Modifications of UNOLS STRS Schedules to account for each calendar day





# STRS Modification

- The UNOLS Ship Time Request & Scheduling (STRS) System was modified to show 365 days of activity types

<i>Agency</i>	<i>Funded</i>	<i>Pending</i>	<i>Total</i>
ACOE	40	0	40
INST	2	0	2
NASA	13	0	13
NAVY	1	0	1
NSF	154	0	154
<b>Total</b>	<b>210</b>	<b>0</b>	<b>210</b>

<i>Day Type</i>	<i>Total</i>
Available for Service	35
Transit Cruise	39
Inspection	3
Lay Days	29
Maintenance	60
Null	13
At Sea for Science	144
Out of Service	25
Outreach	2
<b>Total</b>	<b>350</b>

<i>Load/Unload Days</i>	<i>Total</i>
ChargeLoad	4
ChargeUnload	2
NonChargeLoad	5
NonChargeUnload	4
<b>Total</b>	<b>15</b>