UNOLS Ship Schedule - 2019 - Kilo Moana

KILO MOANA 2019 Schedule (Aug 12, 2019)
Final - ID #13729 Version #9 - 12/20/2019

Scheduling Contact(s)
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Notes: PORT DAYS FOR LOADING/UNLOADING IN HNL COUNTED AS CHARGE DAYS.
"NON-CHARGE LOAD" DAYS = "STANDBY" DAYS IN THIS VERSION.
HOTx9 - This schedule includes early 2019 HOT cruises, KIOST charter & Gradients charter - Gaherty recovery (r/t HNL),
HOT+Howe+Drazen+HOT+REU, then short maintenance period followed by
HOT+DORD+HOT, then transit for Rocap via San Diego, then transit for
Gaherty OBS re-deployments out of Tahiti. Return to HNL for remainder of year based out of home port. Would need one HOT cruise covered, in
Oct-Nov (Oceanus). Gonsoir removed. 1/30/19: KIOST add 1 operational day
3/13: KIOST, HOT, DORD edits
4/15: Update lost days April HOT, added underway motor repairs
and shifting of Armbrust by 1 day
5/06: Adjust Drazen op. days to 10; adjust days in non-home
ports to op. days except for 1 repair day in San Diego and 1 repair day
in Papeete. Op. days and charge load/unload days are correct.
8/08: Adjust Drazen op. days to 8 because cruise was shortened.
Fully allocate in port days as maintenance to reflect 365 day calendar.
8/12: update NSF transit cruises from preliminary to final.
12/6: Vessel departed early to do computator repairs underway.
12/20: HOT trip cut short due to severe weather. Loss of 2
days.

<table>
<thead>
<tr>
<th>PI/Institution</th>
<th>Project</th>
<th>Project #</th>
<th>Days/Agency/Status</th>
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<tbody>
<tr>
<td>Cruise</td>
<td>Start Port</td>
<td>Area/Chief</td>
<td>Activity/Activity/</td>
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<tr>
<td>Dates</td>
<td>End Port</td>
<td>Navy Op Lat/Lon</td>
<td>Scientist Total Days</td>
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<tr>
<td>Load: 01 Jan 19</td>
<td>HNL Pier 35</td>
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</tr>
<tr>
<td>Dep: 01 Jan 19</td>
<td>Honolulu NP12</td>
<td>21N/158W</td>
<td>Alexander Shor 10/10</td>
</tr>
<tr>
<td>Arr: 10 Jan 19</td>
<td>Honolulu NP12</td>
<td>21N/158W</td>
<td>General Upkeep/Outfitting</td>
</tr>
</tbody>
</table>
Unld: 10 Jan 19
Clearances: NONE(T)

Notes: Continued dockside maintenance period from December 2018.

Karl, D/UH_SOEST  HOT 2018-2023  1756517  6/NSF-OCE-BIO/F

Load: 11 Jan 19  Station ALOHA
Dep: 14 Jan 19 Honolulu  NP12  23N/158W  David Karl  5/8
Arr: 18 Jan 19 Honolulu  NP12  23N/158W
Unld: 18 Jan 19

Clearances: NONE(T)

Notes: KM-19-01: Mobe includes 1 loading day and 2 standby days. Sailing Mon-Fri.

Lopez, A/UH  ROV test  3/INST-UH/F

Load: 19 Jan 19  Molokai
Dep: 22 Jan 19 Honolulu  NP12  20N/156W  Anita Lopez  4/10
Arr: 25 Jan 19 Honolulu  NP12  20N/156W
Unld: 28 Jan 19

Clearances: NONE(T)

Ancillary Facilities: Other ROV

Notes: KM-19-02 ROV mapping, Schedule includes 3 days for ROV ops with a 10 day weather window. 2 Sea days for vessel calibrations. Total 5 days at sea.

Load: 29 Jan 19  HNL Pier 35
Dep: 29 Jan 19 Honolulu  NP12  21N/158W  Alexander Shor  17/17
Arr: 14 Feb 19 Honolulu  NP12  21N/158W General Upkeep/Outfitting
Unld: 14 Feb 19

Clearances: NONE(T)
Notes: SSSE Auxiliary HPU install/test/commission,
Annual liferaft and fire inspections/certifications
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Karl, D/UH_SOEST HOT 2018-2023 1756517 6/NSF-OCE-BIO/F
====================================================================================================
Load: 15 Feb 19 Station ALOHA
Dep: 18 Feb 19 Honolulu NP12 23N/158W David Karl 5/8
Arr: 22 Feb 19 Honolulu NP12 23N/158W
Unld: 22 Feb 19

Clearances: NONE(T)

Notes: KM-19-03: Mobe includes 1 loading day and 2 standby days. Sailing Mon-Fri.
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Load: 23 Feb 19 HNL Pier 35
Dep: 23 Feb 19 Honolulu NP12 21N/158W Alexander Shor 8/8
Arr: 02 Mar 19 Honolulu NP12 21N/158W Inspection
Unld: 02 Mar 19

Clearances: NONE(T)

Notes: US Coast Guard COI and ABS inspections
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Smith, J/UH_SOEST KIOST CCZ Charter 26/OTHER/F
====================================================================================================
Load: 03 Mar 19 CCZ
Dep: 04 Mar 19 Honolulu NP12 21N/158W Alexander Shor 29/30
Arr: 01 Apr 19 Honolulu NP12 21N/158W
Unld: 01 Apr 19

Clearances: NONE(T)

Notes: KM-19-04: ISA survey, foreign funding (KIOST - Korea)
3/13 Notes: Lost 4 days at sea due to mechanical, gain back 2 with approved extension to 4/1/19. Updated schedule.
Load: 02 Apr 19  NP12
Dep: 02 Apr 19 Honolulu  NP12  20N/156W  Anita Lopez  6/6
Arr: 07 Apr 19 Honolulu  NP12  20N/155W  Overhaul or Repair
Unld: 07 Apr 19

Clearances: US EEZ(T)

Notes: Underway STDB shaft motor repairs.
Science gear tests included, prep for Armbrust trip.

============================================================================================================
Armbrust, E/UW  Gradients  Simons Foundation 22/OTHER/F
============================================================================================================
Load: 08 Apr 19  N. Pacific
Dep: 09 Apr 19 Honolulu  NP12  23N/158W  E. Virginia Armbrust  21/22
Arr: 29 Apr 19 Honolulu  NP12  23N/158W
Unld: 29 Apr 19

Clearances: NONE(T)

Ancillary Facilities: Clean Lab Van, General Purpose Lab Van, Radioisotope Lab Van

Notes: KM-19-06: Simons Foundation charter:
3/13: Change to load date. Loading on same day as off load HOT
4/15: Departed on 9th return on the 29th.

============================================================================================================
Karl, D/UH_SOEST  HOT 2018-2023  1756517  6/NSF-OCE-BIO/F
============================================================================================================
Load: 30 Apr 19  Station ALOHA
Dep: 01 May 19 Honolulu  NP12  23N/158W  David Karl  5/6
Arr: 05 May 19 Honolulu  NP12  23N/158W
Unld: 05 May 19

Clearances: NONE(T)


============================================================================================================
Gaherty, J/LDEO  PacificArray  1658491  34/NSF-OCE-MGG/F
============================================================================================================
Load: 06 May 19  Marquesas
Dep: 08 May 19 Honolulu  SP02  7S/136W  James B. Gaherty  31/34
Arr: 07 Jun 19 Honolulu    SP02   5S/130W
Unld: 08 Jun 19

Clearances: NONE(T)

Ancillary Facilities: Ocean Bottom Seismograph Instrument Pool (OBSIP)

Notes: KM-19-08: OBS recoveries and dredging/coring off Marquesas (12-15 month from deployment in Apr 2018).

Karl, D/UH_SOEST    HOT 2018-2023    1756517    6/NSF-OCE-BIO/F
Load: 09 Jun 19     Station ALOHA
Dep: 10 Jun 19 Honolulu   NP12   23N/158W    David Karl   5/6
Arr: 14 Jun 19 Honolulu   NP12   23N/158W
Unld: 14 Jun 19
Clearances: NONE(T)

Notes: KM-19-09: Sailing Mon-Fri.

Church, M/UM    Chief Sci training    1911831    7/NSF-OCE-IPS/F
2/NAVY-ONR/F
1/INST-UH/F
Load: 15 Jun 19     ALOHA station
Dep: 15 Jun 19 Honolulu   NP12   21N/158W    Matthew Church   10/10
Arr: 24 Jun 19 Honolulu   NP12   21N/158W
Unld: 24 Jun 19
Clearances: NONE(T)

Notes: KM-19-10- EAGER program - 10 day ch. sci. training cruise, will schedule if funded.

Wessel, P/UH_SOEST    REU SOEST    2/NSF-OCE/F
Wessel, P/UH_SOEST    REU SOEST    1/NSF-GEO/F
REU SOEST    1/INST-UH/F
Load: 25 Jun 19     Hawaiian Island
Dep: 26 Jun 19 Honolulu   NP11   18N/160W    Paul Wessel   3/4
Arr: 28 Jun 19 Honolulu       NP12  23N/155W
Unld: 28 Jun 19

Clearances: NONE(T)

Notes: KM-19-11: REU, 2 NSF-funded and 1 State-funded sea days. Homeport mobe charged to NSF-OCE.

============================================================================
=======
Karl, D/UH_SOEST    HOT 2018-2023    1756517    6/NSF-OCE-BIO/F
============================================================================
Load: 29 Jun 19       Station ALOHA
Dep: 30 Jun 19 Honolulu       NP12  23N/158W       David Karl  5/6
Arr: 04 Jul 19 Honolulu       NP12  23N/158W
Unld: 04 Jul 19

Clearances: NONE(T)

Notes: KM-19-12: Sailing Mon-Fri.

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=======
Howe, B/UH_SOEST    ACO Continuing O&M  1738054    10/NSF-OCE-OTIC/F
============================================================================
Load: 05 Jul 19       Station ALOHA
Dep: 09 Jul 19 Honolulu       NP12  23N/158W       Bruce M. Howe  6/10
Arr: 14 Jul 19 Honolulu       NP12  23N/158W
Unld: 14 Jul 19

Clearances: NONE(T)

Ancillary Facilities: Other ROV

Notes: KM-19-13: ACO maintenance cruise, 4-day mobe for Lu'ukai ROV.

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Andrew, R/UW_APL    Kauai Cable Recon N00014-18-1-2213 2/NAVY-ONR/F
============================================================================
Load: 15 Jul 19       ALOHA
Dep: 15 Jul 19 Honolulu       NP12  23N/158W       Rex Andrew  2/2
Arr: 16 Jul 19 Honolulu       NP12  23N/158W
Unld: 16 Jul 19

Clearances: NONE(T)
<table>
<thead>
<tr>
<th>Notes: UW APL</th>
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<tbody>
<tr>
<td>Drazen, J/UH_SOEST  Abyssal food web  1829612  10/NSF-OCE-BIO/F</td>
</tr>
<tr>
<td>Load: 17 Jul 19  Station Aloha</td>
</tr>
<tr>
<td>Dep: 18 Jul 19 Honolulu  NP12  23N/158W  Jeffrey C. Drazen  8/10</td>
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<tr>
<td>Arr: 25 Jul 19 Honolulu  NP12  23N/158W</td>
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<tr>
<td>Unld: 26 Jul 19</td>
</tr>
<tr>
<td>Clearances: NONE(T)</td>
</tr>
<tr>
<td>Ancillary Facilities: Jason, Other ROV</td>
</tr>
<tr>
<td>Notes: KM-19-14: Lu'ukai ROV</td>
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<tr>
<td>8/08: Adjusted to 8 operational days because cruise was terminated early due to ROV loss.</td>
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<td>---------------------------------------------------------------</td>
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<tr>
<td>Load: 27 Jul 19  HNL Pier 35</td>
</tr>
<tr>
<td>Dep: 27 Jul 19 Honolulu  NP12  21N/158W  Alexander Shor  4/4</td>
</tr>
<tr>
<td>Arr: 30 Jul 19 Honolulu  NP12  21N/158W  Overhaul or Repair</td>
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<tr>
<td>Unld: 30 Jul 19</td>
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<tr>
<td>Clearances: NONE(T)</td>
</tr>
<tr>
<td>Notes: 8/08: Added maintenance work due to early arrival from cruise.</td>
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<td>---------------------------------------------------------------</td>
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<tr>
<td>Load: 31 Jul 19  Station ALOHA</td>
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<tr>
<td>Dep: 01 Aug 19 Honolulu  NP12  23N/158W  David Karl  5/6</td>
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<tr>
<td>Arr: 05 Aug 19 Honolulu  NP12  23N/158W</td>
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<td>Unld: 05 Aug 19</td>
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<tr>
<td>Clearances: NONE(T)</td>
</tr>
<tr>
<td>Notes: KM-19-15: Sailing Thu-Mon</td>
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<td>---------------------------------------------------------------</td>
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<tr>
<td>Smith, J/UH_SOEST  DORD Mn-nodule study  23/OTHER/F</td>
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</tbody>
</table>
Load: 06 Aug 19    ISA Lease Area
Dep: 09 Aug 19 Honolulu   NP12 10N/148W    Joyce E. Miller 19/23
Arr: 27 Aug 19 Honolulu   NP12 11N/149W
Unld: 28 Aug 19

Clearances: NONE(T)

Notes: KM-19-16: Possible ISA survey, foreign funding (DORD - Japan).
  3/13: Updated days at sea change: Aug 6-8 Mobilization. Sail at
  0000 Aug 9. Cruise Aug 9-27 (1800 pier side), Aug 28 demob. 4 day load
  unload/19 At sea days

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Load: 29 Aug 19    Hawaii
Dep: 29 Aug 19 Honolulu   NP12 21N/157W    Anita Lopez 3/3
Arr: 31 Aug 19 Honolulu   NP12 21N/157W General Upkeep/Outfitting
Unld: 31 Aug 19

Clearances: NONE(T)

Notes: Added maintenance days for calendar day count.

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Karl, D/UH_SOEST    HOT 2018-2023    1756517    6/NSF-OCE-BIO/F

Load: 01 Sep 19    Station ALOHA
Dep: 03 Sep 19 Honolulu   NP12 23N/158W    David Karl 5/7
Arr: 07 Sep 19 Honolulu   NP12 23N/158W
Unld: 07 Sep 19

Clearances: NONE(T)

Notes: KM-19-17: Mobe includes 1 loading day and 1 standby day. Sailing
  Tue-Sat.

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Lopez, A/UH    UNOLS Transit Policy 10/NSF-OCE-BIO/F

Load: 08 Sep 19    Transit
Dep: 10 Sep 19 Honolulu   NP12 21N/158W    Alexander Shor 10/12
Arr: 19 Sep 19 San Diego   NP09 33N/117W    Transit
Unld: 19 Sep 19
Clearances: NONE

Notes: KM-19-18: Includes 1 standby day. Fuel on 9/9, depart 9/10. Transit to San Diego

Rocap, G/UW  ODZ dimensions  1542240 (Diversity) 11/NSF-OCE-BIO/F
Load: 20 Sep 19  western Mexico
Dep: 21 Sep 19 San Diego  NP09  33N/117W  Gabrielle Rocap  11/11
Arr: 30 Sep 19 Manzanillo  NP13  19N/104W
Unld: 30 Sep 19

Clearances: Mexico(T)

Ancillary Facilities: Cold Lab Van, General Purpose Lab Van

Notes: KM-19-19: Rocap Leg 1: Run 10-day UW student cruise to Manzanillo MX to arrive by 9/30 for exchange of personnel. (using NSF-funded days under barter with UW, as noted on TGT 2019 schedule).

Rocap, G/UW  ODZ dimensions  1542240 (Diversity) 21/NSF-OCE-BIO/F
Devol, A/UW  OMZ expansions  1657958  2/NSF-OCE-CO/F
Load: 01 Oct 19  western Mexico
Dep: 01 Oct 19 Manzanillo  NP13  19N/104W  Gabrielle Rocap  23/23
Arr: 22 Oct 19 San Diego  NP09  33N/117W
Unld: 23 Oct 19

Clearances: Mexico(T)

Ancillary Facilities: Cold Lab Van, General Purpose Lab Van

Notes: KM-19-20: Rocap Leg 2: Run main science cruise from Manzanillo for return to San Diego on 10/22.

Lopez, A/UH  0/INST/NonOp
Load: 24 Oct 19  San Diego
Dep: 24 Oct 19 San Diego  NP09  33N/117W  Anita Lopez  1/1
Arr: 24 Oct 19 San Diego  NP09  33N/117W General Upkeep/Outfitting
Unld: 24 Oct 19

Clearances: NONE(T)

Notes: Repair Day in San Diego non-charged.

Lopez, A/UH UNOLS Transit Policy 8/NSF-OCE-BIO/F
Lopez, A/UH UNOLS Transit Policy 8/NSF-OCE-MGG/F

Load: 25 Oct 19 transit
Dep: 27 Oct 19 San Diego NP09 33N/117W Anita Lopez 14/16
Arr: 09 Nov 19 Papeete SP02 18S/150W Transit
Unld: 09 Nov 19

Clearances: NONE(T)

Notes: KM-19-21: Load (2 days) OBS in San Diego for Gaherty. Transit is 3536nm.

Gaherty, J/LDEO PacificArray 1658491 26/NSF-OCE-MGG/F

Load: 10 Nov 19 SW Pacific
Dep: 12 Nov 19 Papeete SP02 18S/150W James B. Gaherty 26/26
Arr: 05 Dec 19 Papeete SP02 18S/150W
Unld: 05 Dec 19

Clearances: NONE(T)

Ancillary Facilities: Ocean Bottom Seismograph Instrument Pool (OBSIP)

Notes: KM-19-22: OBS deployments in central south Pacific, SSW of Tahiti

Lopez, A/UH UNOLS Transit Policy 10/NSF-OCE-MGG/F

Load: 06 Dec 19 Transit
Dep: 06 Dec 19 Papeete SP02 18S/150W Alexander Shor 11/11
Arr: 16 Dec 19 Honolulu NP12 21N/158W Transit
Unld: 16 Dec 19

Clearances: NONE(T)
Notes: KM-19-23: Transit to Honolulu
Computor repairs underway en route to Honolulu

============================= == == ==
Karl, D/ UH_SOEST HOT 2018-2023 1756517 6/NSF-OCE-BIO/F

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Load: 17 Dec 19 Station ALOHA
Dep: 18 Dec 19 Honolulu NP12 23N/158W David Karl 3/4
Arr: 20 Dec 19 Honolulu NP12 23N/158W
Unld: 20 Dec 19

Clearances: NONE(T)

Notes: KM-19-24: Mobe includes 1 loading day. Sailing Tues- Sat.

Cruise ended early due to severe weather. Departed on Wednesday returned late on Friday. End of field season.

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Load: 21 Dec 19 HNL Pier 35
Dep: 21 Dec 19 Honolulu NP12 21N/158W Alexander Shor 5/5
Arr: 25 Dec 19 Honolulu NP12 21N/158W Available for Service
Unld: 25 Dec 19

Clearances: NONE(T)

Notes: Dockside at P35, Honolulu

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Load: 26 Dec 19 HNL Pier 35
Dep: 26 Dec 19 Honolulu NP12 21N/158W Alexander Shor 6/6
Arr: 31 Dec 19 Honolulu NP12 21N/158W Overhaul or Repair
Unld: 31 Dec 19

Clearances: NONE(T)

Notes: SSDG top-end overhaul #2 and maintenance period.

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Agency Totals
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<th>Agency Funded Pending Total</th>
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</tr>
<tr>
<td>INST  5</td>
</tr>
<tr>
<td>NAVY    4</td>
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<tr>
<td>NSF     208</td>
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<tr>
<td>OTHER   71</td>
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<td>Total   288</td>
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<table>
<thead>
<tr>
<th>Day Types Totals</th>
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<tbody>
<tr>
<td>Day Type</td>
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</tr>
<tr>
<td>Available for Service</td>
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<tr>
<td>Transit Cruise</td>
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<table>
<thead>
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<th>Load/Unload Days Totals</th>
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<td>Load/Unload Day</td>
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</tr>
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<td>ChargeUnload</td>
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