UNOLS Ship Schedule - 2020 - Kilo Moana

Kilo Moana 2020- November 19, 2020 Final
Final - ID #14363 Version #8 - 12/21/2020

Scheduling Contact(s)
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Notes: 2020 US Academic Research Fleet vessel schedules are subject to change as the COVID-19 pandemic evolves. Scheduled cruise Chief Scientists are urged to keep in close contact with the vessel operators to remain aware of any updates/changes.

Haley correct sea days
Nov 19, updated ONR DP gear trial date 11/13, restored load day for HOT 12/16 and shifted one extra day for COVID testing
Oct 13, Updated schedule for repair period Sep., HOT (removed load days for sailing days) Aug 322, Sep 323, New dates for Haley, HOT November and December
COVID-19 Testing Dates: 5/29, 6/6, 6/17, 7/1, 8/12, 8/26, 11/30, 12/14.
Aug 25, Added two additional mobe days for Haley. NSF approved 5 additional sea days. (7 total days added)
Aug 18, Removed Konter due to COVID complications.
Aug 13, Removed Baco Taylor due to COVID complications.
July 21, Updated to remove Carter and add op days for transit to Guam.
June 10, Updated timeline to reflect quarantine periods in June, August, and December.
April 15, 2020: Updated timeline with regards to UNOLS COVID stand down.
March 24, 2020: Shifted cruises back to reflect Vigor Shipyard Delay, Removed Konter from 2020.
December 30, 2019: Add one operational day to Drazen's January cruise and shift back to accommodate new ROV tether shipping delays.
Shift back HOT #2 cruise and ship yard arrival.
January 8, 2020: Add more contingency time for ship yard with adjustments to dates of many subsequent cruises.

Schedule contingent due to guidance from UNOLS Council and funding agencies on when operations resume.
<table>
<thead>
<tr>
<th>PI/Institution</th>
<th>Project</th>
<th>Project #</th>
<th>Days/Agency/Status</th>
</tr>
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<tbody>
<tr>
<td>White, A/UH_SOEST</td>
<td>HOT 2018-2023</td>
<td>1756517</td>
<td>5/NSF-OCE-BIO/F</td>
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<tr>
<td>Load: 03 Jan 20</td>
<td>Station ALOHA</td>
<td></td>
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</tr>
<tr>
<td>Dep: 06 Jan 20 Honolulu</td>
<td>NP12</td>
<td>23N/158W</td>
<td>Angelique White 4/7</td>
</tr>
<tr>
<td>Arr: 09 Jan 20 Honolulu</td>
<td>NP12</td>
<td>23N/158W</td>
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<td>Unld: 09 Jan 20</td>
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<tr>
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<tr>
<td>Notes: KM-20-01 HOT 318 (1)</td>
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<td>Load: 10 Jan 20</td>
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<td>Dep: 10 Jan 20 Honolulu</td>
<td>NP12</td>
<td>21N/158W</td>
<td>Anita Lopez 1/1</td>
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<tr>
<td>Arr: 10 Jan 20 Honolulu</td>
<td>NP12</td>
<td>21N/158W</td>
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<tr>
<td>Load: 11 Jan 20</td>
<td>Station Aloha</td>
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<tr>
<td>Dep: 17 Jan 20 Honolulu</td>
<td>NP12</td>
<td>23N/158W</td>
<td>Jeffrey C. Drazen 10/17</td>
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<tr>
<td>Arr: 26 Jan 20 Honolulu</td>
<td>NP12</td>
<td>23N/158W</td>
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</tbody>
</table>
Unld: 27 Jan 20
Clearances: NONE(T), US EEZ(T)

Notes: KM-20-02

White, A/UH_SOEST HOT 2018-2023 1756517 6/NSF-OCE-BIO/F

Load: 28 Jan 20 Station ALOHA
Dep: 29 Jan 20 Honolulu NP12 23N/158W Angelique White 5/6
Arr: 02 Feb 20 Honolulu NP12 23N/158W
Unld: 02 Feb 20

Clearances: NONE(T), US EEZ(T)

Notes: KM-20-03 HOT 319 (2)

Load: 03 Feb 20 transit
Dep: 04 Feb 20 Honolulu NP12 21N/158W Anita Lopez 10/11
Arr: 13 Feb 20 Portland NP09 46N/123W Transit
Unld: 13 Feb 20

Clearances: US EEZ(T)

Notes: KM-20-04 Transit to Shipyard

Load: 14 Feb 20 Shipyard
Dep: 14 Feb 20 Portland NP09 46N/123W Anita Lopez 108/108
Arr: 31 May 20 Portland NP09 46N/123W Overhaul or Repair
Unld: 31 May 20

Clearances: NONE(A)

Notes: Portland Shipyards, includes main engine overhaul

Ferguson, S/UH_SOEST LARS shakedown 5/NAVY-ONR/F
Load: 01 Jun 20          NP09
Dep: 01 Jun 20 Portland  NP09  46N/123W  Anita Lopez  5/5
Arr: 05 Jun 20 Portland  NP09  46N/123W
Unld: 05 Jun 20

Clearances: US EEZ(A)

Notes: KM-20-05 Gear Trials

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Load: 06 Jun 20          NP09
Dep: 06 Jun 20 Honolulu   NP09  46N/123W  Anita Lopez  4/4
Arr: 09 Jun 20 Honolulu   NP09  46N/123W  Standby Days
Unld: 09 Jun 20

Clearances: NONE(T)

Notes: Quarantine/ Testing in Portland, Oregon.

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Load: 10 Jun 20          NP09
Dep: 10 Jun 20 Portland   NP09  46N/123W  Anita Lopez  3/3
Arr: 12 Jun 20 Seattle    NP09  48N/122W  Standby Days
Unld: 12 Jun 20

Clearances: NONE(T)

Notes: KM-20-05A

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Load: 13 Jun 20          NP09
Dep: 13 Jun 20 Seattle    NP09  48N/122W  Anita Lopez  4/4
Arr: 16 Jun 20 Seattle    NP09  48N/122W  Standby Days
Unld: 16 Jun 20

Clearances: NONE(T)

Notes: Covid Testing/ BWTS commissioning.
<table>
<thead>
<tr>
<th>Load: 17 Jun 20</th>
<th>NP09</th>
<th>Dep: 17 Jun 20 Seattle</th>
<th>NP09 48N/122W</th>
<th>Anita Lopez 15/15</th>
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<tbody>
<tr>
<td>Arr: 01 Jul 20 Seattle</td>
<td>NP09 48N/122W</td>
<td>Standby Days</td>
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<td>Unld: 01 Jul 20</td>
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<th>Load: 02 Jul 20</th>
<th>Pacific</th>
<th>Dep: 02 Jul 20 Seattle</th>
<th>NP09 48N/122W</th>
<th>Anita Lopez 10/10</th>
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<tr>
<td>Arr: 11 Jul 20 Honolulu</td>
<td>NP12 21N/158W</td>
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<td>Notes: KM 20-06, Transit from Seattle to HNL</td>
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<th>Load: 12 Jul 20</th>
<th>Station ALOHA</th>
<th>Dep: 13 Jul 20 Honolulu</th>
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<th>Angelique White 7/8</th>
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<td>Arr: 19 Jul 20 Honolulu</td>
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<tr>
<td>Notes: KM 20-07, HOT 320 (3)</td>
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<th>Load: 20 Jul 20</th>
<th>Station Aloha</th>
<th>Dep: 24 Jul 20 Honolulu</th>
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<th>Jeffrey C. Drazen 11/16</th>
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<tbody>
<tr>
<td>Arr: 03 Aug 20 Honolulu</td>
<td>NP12 23N/158W</td>
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<td>Clearances: US EEZ(A)</td>
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Notes: KM-20-08

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White, A/UH_SOEST HOT 2018-2023 1756517 7/NSF-OCE-BIO/F

Load: 05 Aug 20 Station ALOHA
Dep: 06 Aug 20 Honolulu NP12 23N/158W Angelique White 6/7
Arr: 11 Aug 20 Honolulu NP12 23N/158W
Unld: 11 Aug 20

Clearances: NONE(T), US EEZ(T)

Notes: KM-20-09, HOT 321 (4)

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Load: 12 Aug 20 NP12
Dep: 12 Aug 20 Honolulu NP12 21N/158W Anita Lopez 16/16
Arr: 27 Aug 20 Honolulu NP12 21N/158W Standby Days
Unld: 27 Aug 20

Clearances: NONE(T)

Notes: 14 Day Covid19 Quarantine.

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White, A/UH_SOEST HOT 2018-2023 1756517 10/NSF-OCE-BIO/F

Load: 28 Aug 20 NP12
Dep: 28 Aug 20 Honolulu NP12 23N/158W Angelique White 10/10
Arr: 06 Sep 20 Honolulu NP12 23N/158W
Unld: 06 Sep 20

Clearances: NONE(T), US EEZ(T)

Notes: KM-20-10, HOT 322 (5)

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Load: 07 Sep 20 NP12
Dep: 07 Sep 20 Honolulu NP12 21N/158W Anita Lopez 17/17
Arr: 23 Sep 20 Honolulu NP12 21N/158W Overhaul or Repair
Unld: 23 Sep 20
Clearances: NONE(T)

Notes: Delayed departure of HOT for USCG approval for DP Starboard tripping issue.

White, A/UH_SOEST  HOT 2018-2023  1756517  7/NSF-OCE-BIO/F

Load: 24 Sep 20  Station ALOHA
Dep: 24 Sep 20 Honolulu  NP12  23N/158W  Angelique White 7/7
Arr: 30 Sep 20 Honolulu  NP12  23N/158W
Unld: 30 Sep 20

Clearances: NONE(T)

Notes: KM-20-11, HOT 323 (6)
  - No load day all equipment was left aboard from prior expedition. Sailed on originally planned load day.

Haley, B/OSU_Oregon State Pacific Porewater  1850765  31/NSF-OCE-CO/F

Load: 05 Oct 20  Eq. Pac. to HI
Dep: 09 Oct 20 Honolulu  NP12  21N/158W  Brian Haley 25/31
Arr: 02 Nov 20 Honolulu  NP12  21N/158W
Unld: 04 Nov 20

Clearances: US EEZ(A)

Notes: KM-20-12
Load: 05 Nov 20 NP12
Dep: 05 Nov 20 Honolulu NP12 21N/158W Anita Lopez 8/8
Arr: 12 Nov 20 Honolulu NP12 21N/158W Standby Days
Unld: 12 Nov 20

Clearances: NONE(T)

Notes: Crew swap out, quarantine.

Nov 30: Crew Change Dec 1- 14; 2 week quarantine for new crew.
Private Notes: Covid Test Nov 30 & Dec 14?

Ferguson, S/UH_SOEST DP gear trials 1/NAVY-ONR/F

Load: 13 Nov 20 NP09
Dep: 13 Nov 20 Honolulu NP12 20N/156W Anita Lopez 1/1
Arr: 13 Nov 20 Honolulu NP12 20N/156W
Unld: 13 Nov 20

Clearances: US EEZ(A)

Notes: DP Gear trials

White, A/UH_SOEST HOT 2018-2023 1756517 7/NSF-OCE-BIO/F

Load: 16 Nov 20 Station ALOHA
Dep: 17 Nov 20 Honolulu  NP12  23N/158W  Angelicque White  6/7
Arr: 22 Nov 20 Honolulu  NP12  23N/158W
Unld: 22 Nov 20

Clearances: NONE(T)

Notes: KM-20-13 HOT 324 (7)

Load: 23 Nov 20  NP12
Dep: 23 Nov 20 Honolulu  NP12  21N/158W  Anita Lopez  23/23
Arr: 15 Dec 20 Honolulu  NP12  21N/158W  Standby Days
Unld: 15 Dec 20

Clearances: NONE(T)

Notes: Crew swap out, quarantine.

Nov 30: Crew Change Dec 1- 14: 2 week quarantine for new crew.
Private Notes: Covid Test Nov 30 & Dec 14?

Load: 16 Dec 20  Station ALOHA
Dep: 17 Dec 20 Honolulu  NP12  23N/158W  Angelicque White  5/6
Arr: 21 Dec 20 Honolulu  NP12  23N/158W
Unld: 21 Dec 20

Clearances: NONE(T)

Notes: KM-20-14, HOT 325 (8)

Load: 22 Dec 20  NP12
Dep: 22 Dec 20 Honolulu  NP12  21N/158W  Anita Lopez  11/11
Arr: 31 Dec 20 Honolulu  NP12  21N/158W Available for Service
Unld: 01 Jan 21

Clearances: NONE(T)
### Agency Totals

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<th>Agency Funded Pending Total</th>
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<td>N A V Y  6 0 6</td>
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<tr>
<td>N S F  118 0 118</td>
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<td>Total  124 0 124</td>
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### Day Types Totals

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<th>Day Type</th>
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<td>Transit Cruise</td>
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<td>Standby Days</td>
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<tr>
<td>Overhaul or Repair</td>
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<tr>
<td>At Sea for Science</td>
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<td>Total</td>
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### Load/Unload Days Totals

<table>
<thead>
<tr>
<th>Load/Unload Day</th>
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<tr>
<td>ChargeLoad</td>
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<tr>
<td>ChargeUnload</td>
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<tr>
<td>NonChargeLoad</td>
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<td>Total</td>
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