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UNOLS Ship Schedule - 2019 - Kilo Moana

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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.

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PI/Institution	Project	Project #	Days/Agency/Status
Cruise Dates	Start Port End Port	Area/ Navy Op	Chief Lat/Lon      Activity/ Scientist      Total Days

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Load: 01 Jan 19                      HNL Pier 35  
 Dep: 01 Jan 19 Honolulu              NP12 21N/158W      Alexander Shor      10/10  
 Arr: 10 Jan 19 Honolulu              NP12 21N/158W      General Upkeep/Outfitting

Unld: 10 Jan 19

Clearances: NONE(T)

Notes: Continued dockside maintenance period from December 2018.

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Karl, D/UH\_SOEST      HOT 2018-2023      1756517      6/NSF-OCE-BIO/F

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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.

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

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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.

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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 Auxilary 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

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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

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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.

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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.

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Armbrust, E/UW	Gradients	Simons Foundation 22/OTHER/F
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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.

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

Notes: KM-19-07: Sailing Wed-Sun.

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Gaherty, J/LDEO	PacificArray	1658491	34/NSF-OCE-MGG/F
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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).

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

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Church, M/UM	Chief Sci training	1911831	7/NSF-OCE-IPS/F
			2/NAVY-ONR/F
			1/INST-UH/F

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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.

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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

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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.

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Karl, D/UH\_SOEST HOT 2018-2023 1756517 6/NSF-OCE-BIO/F

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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

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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

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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)

Notes: UW APL

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Drazen, J/UH_SOEST	Abyssal food web	1829612	10/NSF-OCE-BIO/F
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Load: 17 Jul 19            Station Aloha  
Dep: 18 Jul 19 Honolulu    NP12 23N/158W    Jeffrey C. Drazen    8/10  
Arr: 25 Jul 19 Honolulu    NP12 23N/158W  
Unld: 26 Jul 19

Clearances: NONE(T)

Ancillary Facilities: Jason, Other ROV

Notes: KM-19-14: Lu'ukai ROV

8/08: Adjusted to 8 operational days because cruise was terminated early due to ROV loss.

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Load: 27 Jul 19	HNL Pier 35		
Dep: 27 Jul 19 Honolulu	NP12 21N/158W	Alexander Shor	4/4
Arr: 30 Jul 19 Honolulu	NP12 21N/158W	Overhaul or Repair	
Unld: 30 Jul 19			

Clearances: NONE(T)

Notes: 8/08: Added maintenance work due to early arrival from cruise.

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Karl, D/UH_SOEST	HOT 2018-2023	1756517	6/NSF-OCE-BIO/F
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Load: 31 Jul 19            Station ALOHA  
Dep: 01 Aug 19 Honolulu    NP12 23N/158W    David Karl        5/6  
Arr: 05 Aug 19 Honolulu    NP12 23N/158W  
Unld: 05 Aug 19

Clearances: NONE(T)

Notes: KM-19-15: Sailing Thu-Mon

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Smith, J/UH_SOEST	DORD Mn-nodule study	23/OTHER/F
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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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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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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(T)

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

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Rocap, G/UW ODZ dimensions 1542240 (Diversity) 11/NSF-OCE-BIO/F

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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).

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Rocap, G/UW ODZ dimensions 1542240 (Diversity) 21/NSF-OCE-BIO/F  
Devol, A/UW OMZ expansions 1657958 2/NSF-OCE-CO/F

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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.

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Lopez, A/UH 0/INST/NonOp

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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

UnId: 24 Oct 19

Clearances: NONE(T)

Notes: Repair Day in San Diego non-charged.

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

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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	

UnId: 09 Nov 19

Clearances: NONE(T)

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

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

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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		

UnId: 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

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

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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	

UnId: 16 Dec 19

Clearances: NONE(T)

Notes: KM-19-23: Transit to Honolulu  
Computator repairs underway en route to Honolulu

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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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Agency Funded Pending Total

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INST 5 0 5  
NAVY 4 0 4  
NSF 208 0 208  
OTHER 71 0 71  
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Total 288 0 288

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Day Types Totals

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Day Type	Total
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Available for Service	5
Transit Cruise	35
General Upkeep and Outfitting	31
Inspection	8
Overhaul or Repair	16
At Sea for Science	231
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Total	326

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Load/Unload Days Totals

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Load/Unload Day	Total
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ChargeLoad	23
ChargeUnload	3
NonChargeLoad	10
NonChargeUnload	3
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Total	39