Local Notice to Mariners for District 14 12/10/2025

Ala Wai Boat Harbor

Private Discrepancies

NAME	LLNR	STATUS	AID TYPE
Ala Wai Boat Harbor Channel Range Front Light	29100	Status Unreported	PA
Ala Wai Boat Harbor Channel Range Rear Light	29105	LT EXT	PA
Ala Wai Boat Harbor Channel Buoy 4	29115	OFF STA/SINKING	PA
Ala Wai Boat Harbor Channel Daybeacon 6	29125	DAYMK DMGD	PA
Ala Wai Boat Harbor Channel Daybeacon 8	29135	DAYMK DMGD	PA

Additional MSI Categories

TITLE	SUBCATEGORY	DESCRIPTION	LOCATION
Sector Honolulu, Territorial Sea - Ala Wai	Marine Events	FIREWORKS Hawaii Explosives and Pyrotechnics, Inc. will be conducting a land fireworks display neighboring Duke Kahanamoku Beach	Lat:
Boat Harbor/General/Marine		on Fridays from 1915 - 2030 January 03, 2025 to December 26, 2025. Please require all vessels to observe the safety/fallout zone	21° 16' 53"
Events/Fireworks		radius from the firing site. Vessels and spectators are advised to maintain a distance of at least 210 feet radius from the launch site.	Lon:
		Contact (808) 968-0600 for further information.	-157° 50'
			44"

Barbers Point

Federal Discrepancies

NAME	LLNR	STATUS	AID TYPE
Barbers Point Light	29650	LT EXT	FD
Barbers Point Harbor Entrance Channel Light 5	29654.100000000002	DBD DEST	FD

Federal Discrepancies Corrected

NAME	LLNR	STATUS	AID TYPE	CORRECTION DATE
Barbers Point Harbor Entrance Channel Lighted Buoy 2	29651	WATCHING PROPERLY	FD	2025-12-08
Barbers Point Harbor Entrance Channel Lighted Buoy 3	29651.5	WATCHING PROPERLY	FD	2025-12-08

Private Discrepancies

NAME	LLNR	STATUS	AID TYPE
Barbers Point Anchorage Area Bravo Tank Terminal Lighted Buoy A	29600	LT EXT	PA
West Beach Marina Light 2	29656	LT EXT	PA

Kahului Harbor

Federal Discrepancies

NAME	LLNR	STATUS	AID TYPE
Kahului Harbor Entrance Range Front Light	28340	LT IMCH	FD

Private Discrepancies

NAME	LLNR	STATUS	AID TYPE			
Kahului Boat Ramp Buoy 1	28381.100000000002	MISSING	PA			
Kahului Boat Ramp Buoy 2	28381.2	MISSING	PA			
Kahului Boat Ramp Buoy 3	28381.3	MISSING	PA			
Kahului Boat Ramp Buoy 4	28381.4	MISSING	PA			
Kahului Boat Ramp Buoy 5	28381.5	MISSING	PA			
Kahului Boat Ramp Buoy 6	28381.600000000002	MISSING	PA			
Kahului Boat Ramp Buoy 8	28381.8	MISSING	PA			
Kahului Boat Ramp Buoy 9	28381.9	MISSING	PA			

Kalihi Channel

Private Discrepancies

NAME	LLNR	STATUS	AID TYPE
Keehi Lagoon Barge Turning Channel Range Front	29315	REDUCED INT	PA

Kaneohe Bay

Federal Discrepancies

NAME	LLNR	STATUS	AID TYPE
Kaneohe Bay Channel Daybeacon 5	28700	DAYMK IMCH	FD

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Additional MSI Categories

TITLE	SUBCATEGORY	DESCRIPTION	LOCATION
Sector Honolulu, Territorial Sea -	Naval Activity	Military amphibious and search and rescue operations may be underway at any time, day or night, within Kaneohe Bay in the vicinity of 21-26-	
Kaneohe Bay/General/Naval		06.83N/157-46-11.00W and 21-26-45.00N/157-46-55.00W (approximately .5 NM south of Mokapu Peninsula). Support surface craft will be	
Activity/Military Operations		equipped with appropriate day/night signals and markings and can be reached on VHF-Ch 82. In the interest of saftey, it is requested that all	
		vessels that use Sonar contact Water Front Operations on VHF-Ch 82A or by phone at (808) 257-2941 to avoid injury to divers that may be in	
		the area.	

Kauai Island

Private Discrepancies

NAME	LLNR	STATUS	AID TYPE
Kikiaola Boat Harbor Range Front Light	29900	DAYMK DMGD	PA
Kikiaola Boat Harbor Range Rear Light	29901	DAYMK DMGD	PA

Additional MSI Categories

TITLE	SUBCATEGORY	DESCRIPTION	LOCATIO
Sector Honolulu, Territorial Sea - Kauai Island/General/Naval Activity/Military Operations	Naval Activity	The following area is established as a safety zone during launch operations at PMRF, Kauai, Hawaii: The waters bounded by the following coordinates: (22°01.2' N, 159°47.3' W), (22°01.2' N, 159°50.7' W), (22°06.3' N, 159°50.7' W), (22°06.3' N, 159°44.8' W). (Datum: OHD) The above safety zone will be activated during launch operations at PMRF, Kauai, Hawaii. The Coast Guard will provide notice that the safety zone will be activated through published and broadcast local notice to mariners prior to scheduled launch dates. The area described of this section will be closed to all vessels and persons, except those vessels and persons authorized by the Commander, Fourteenth Coast Guard District, or the Captain of the Port (COTP) Honolulu, Hawaii, whenever Strategic Target System (STARS) vehicles are to be launched by the United States Government from the PMRF, Barking Sands, Kauai, Hawaii. The general regulations governing safety zones contained in 33 CFR 165.23 apply. Nomenclature changes to part 165 appear by USCG–2006–25556, 72 FR 36328, 36329 preview citation details, July 2, 2007 and by USCG–2018–1049, 84 FR 7813, Mar. 5, 2019.	I
Sector Honolulu, Territorial Sea - Kauai Island/General/Naval Activity/Naval Gunnery Exercises	Naval Activity	Intermittent missile firing operations are conducted by the Pacific Missile Range Facility (PMRF), Barking Sands, Kauai, in the Whiskey 188 (W-188) operating area. Operations are conducted periodically throughout each week in an area bound by the following coordinates: 22:00N/159:51W, 22:00N/160:00W, 22:04N/160:06W, 21:59.5N/160:21W, 22:05N/161:35W, 22:45N/161:25W, 22:56N/161:49W, 23:34N/161:18.6W, 23:57N/160:41W, 25:41N/161:36W, 26:00N/159:58W, 25:47N/158:15W, 23:54N/158:15W, 22:20N/159:09W, 22:21N/159:30W, 22:13N/159:42W, 22:00N/159:51W Intermittent high power radar operations are conducted by PMRF at the following position: 22:03N/159:47W Request all mariners remain at least one mile off the coastline between Kokole Point and Nohili Point. Vessels may be requested to alter course due to firing operations and are requested to contact "Pacific Missile Range Facility" on VHF-Ch 16 prior to entering the above boundaries. If unable to contact the PMRF prior to entering or while in the warning area, relay messages through U.S. Coast Guard Honolulu. Vessels inbound and outbound for Hawaiian ports will create the least interference to firing operations as well as enhance vessel's safety by passing South of the Islands of Kauai and Niihau during the specified times. Federal law provides for civil penalties of \$40,000 and/or criminal penalties of 6 years in prison for each violation of the PMRF safety zone during the schedule of designated activity (33CFR 165.1406). The following are hazardous operations to mariners for December 10, 2025 through December 17, 2025: 10 DEC NO HAZARDOUS OPERATIONS SCHEDULED 11 DEC NO HAZARDOUS OPERATIONS SCHEDULED 12 DEC NO HAZARDOUS OPERATIONS OPERATIONS SCHEDULED 15 DEC NO HAZARDOUS OPERATIONS OPERATIONS SCHEDULED 16 DEC NO HAZARDOUS OPERATIONS SCHEDULED 17 DEC NO HAZARDOUS OPERATIONS SCHEDULED 17 DEC NO HAZARDOUS OPERATIONS SCHEDULED 18 DEC NO HAZARDOUS OPERATIONS SCHEDULED 19 DEC NO HAZARDOUS OPERATIONS SCHEDULED 19 DEC NO HAZARDOUS OPERATIONS SCHEDULED 19 DEC NO HAZARDOUS OPERATIONS	

Kaunakakai Small Boat Harbor

Private Discrepancies

NAME	LLNR	STATUS	AID TYPE
Kaunakakai Small Boat Harbor Buoy 1	28630	SINKING	PA

Kawaihae Harbor

Federal Discrepancies

NAME	LLNR	STATUS	AID TYPE
Mahukona Light	28325	LT EXT	FD

Kawaihae Light Draft Harbor

Private Discrepancies

NAME	NAME LLNR		AID TYPE
Kawaihae LT Draft Harbor Buoy 2	28271	MISSING	PA
Kawaihae LT Draft Harbor Buoy 3	28271.10000000002	MISSING	PA
Kawaihae LT Draft Harbor Buoy 6	28271.3	MISSING	PA

Kwajalein Harbor

Federal Discrepancies

NAME	LLNR	STATUS	AID TYPE
Kwajalein Harbor Channel Junction Buoy G	30500	OFF STATION	FD

<u>Kwajalein Lagoon</u>

Federal Discrepancies

NAME	LLNR	STATUS	AID TYPE
Kwajalein-Bigej Junction Light N	30460	LT EXT	FD

Lahaina Boat Basin

Private Discrepancies

NAME	LLNR	STATUS	AID TYPE
Lahaina Boat Basin Lighted Buoy 3	28480	MISSING	PA
Lahaina Boat Basin Lighted Buoy 6	28495	OFF STA	PA
Lahaina Boat Basin Lighted Buoy 7	28500	MISSING	PA
Lahaina Boat Basin Lighted Buoy 8	28505	OFF STA	PA

Maalaea Basin

Private Discrepancies

NAME	LLNR	STATUS	AID TYPE
Maalaea Basin Channel Lighted Buoy 1	28427	ADRIFT/LT EXT	PA
Maalaea Basin Channel Lighted Buoy 2	28430	LT EXT	PA

Makai Channel

Private Discrepancies

NAME	LLNR	STATUS	AID TYPE
Makai Channel Daybeacon 3	28895	DAYMK MISSING	PA
Makai Channel Daybeacon 4	28900	MISSING	PA

Maui Island

Federal Discrepancies

NAME	LLNR	STATUS	AID TYPE
Hawea Point Light	28510	DAYMK MISSING	FD

Private Discrepancies

NAME	LLNR	STATUS	AID TYPE
Hana Bay Daybeacon	28395	DAYMK DMGD/STRUCT DMGD	PA
Mala Channel Light 5	28507.5	LT EXT	PA
Mala Channel Light 6	28507.600000000002	LT EXT	PA

Additional MSI Categories

TITLE	SUBCATEGORY	DESCRIPTION	LOCATION
Sector Honolulu,	MSIB	Commercial Vessel Beach Ingress & Dry Egress Safety Awareness This MSIB discusses commercial vessel operations in Maui County but is generally	
Territorial Sea - Maui		applicable amongst all Hawaiian Islands for awareness and review of Restrictions listed on their respective State of Hawaii Department of Land and	
Island/General/MSIB		Natural Resources (DLNR) Division of Boating and Ocean Recreation (DOBOR) Ocean Recreation Management Area (ORMA) Permit or other Rules.	
		https://dlnr.hawaii.gov/dobor/maps/ Marine Safety Team Maui recently investigated a marine casualty involving a swimmer entering the Kaanapali	
		Ingress/Egress Zone and being propped by a beached vessel resulting in serious injuries to the swimmer, Sector Honolulu has issued this MSIB to raise	
		awareness among the public, state and local agencies, as well as the local commercial Small Passenger Vessel fleet. This bulletin emphasizes the	
		importance of adhering to safety protocols in Hawaii State Code during beach ingress and egress operations of commercial vessels, particularly those	
		operating near Kaanapali, Hawaii. Kaanapali Beach includes five Ingress and Egress Zones, each spanning 500 feet wide. Within each Zone, multiple 100	
		foot wide Corridors may be used, with only one catamaran allowed per Corridor at any given time. Hawaii Code R. § 13-244-37 (4)(i) requires vessels to	
		place daily markers to delineate the Corridor in use. The ORMA Permit further defines this as a Restriction requiring the markers to be temporary beach	
		signage with the wording, design, and placement approved by DLNR/DOBOR to warn beachgoers of the catamaran ingress and egress area.	

Maunalua Bay

Private Discrepancies

NAME	LLNR	STATUS	AID TYPE
Maunalua Bay Daybeacon 16	29010	HAZ NAV/DAYMK DMGD	PA

Additional MSI Categories

TITLE	SUBCATEGORY	DESCRIPTION	LOCATION

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Maritime Safety Information Products | Navigation Center

Sector Honolulu, Territorial Sea -	Hazards To	HI ISLANDS - OAHU - MAUNALUA BAY SHOALING There has been a report of increased shoaling in Maunalua Bay, between Maunalua Bay	Lat:
Maunalua Bay/General/Hazards To	Navigation	Daybeacon 1A (LLNR 28935) and Maunalua Bay Daybeacon 2 (LLNR 28940) when transiting to and from Hawaii Kai. At mean low tide, the	21° 16' 28"
Navigation/Shoaling Reported		Maunalua Bay Boat Ramp also becomes dangerously shallow. All mariners are requested to use caution while loading and unloading at	Lon:
		Maunalua Bay Boat Ramp and when transiting the channel. POC: DLRN DOBOR at (808) 587-1966 / (808) 832-3520 or website listing:	-157° 42'
		https://dlnr.hawaii.gov/dobor/contact/	53"

Mokapu Peninsula

Private Discrepancies

NAME	LLNR	STATUS	AID TYPE
WETS 4	28674.04	MISSING	PA
WETS 5	28674.05	MISSING	PA

Additional MSI Categories

TITLE	SUBCATEGORY	DESCRIPTION	LOCATION
Sector Honolulu, Territorial Sea - Mokapu	Hazards To	Wave Energy Converter (OE-35) experienced structural failure on the port sea duct. Four large pieces of structure (up to 22 MT)	
Peninsula/General/Hazards To	Navigation	have detached from the buoy and fallen to the seafloor. Further sea duct failure may occur. Suspension of deployment is	
Navigation/Hazards		imminent and coordination of tow to lay berth is in process. Mariners are requested to maintain 1000 FT from buoy.	

Pearl Harbor

Federal Discrepancies

NAME	LLNR	STATUS	AID TYPE
Pearl Harbor Light 9	29420	DBD DMGD	FD

Private Discrepancies

NAME	LLNR	STATUS	AID TYPE
PacIOOS Wave Lighted Buoy Pearl Harbor	29368	MISSING	PA

Additional MSI Categories

TITLE	SUBCATEGORY	DESCRIPTION	LOCATION
Sector Honolulu, Territorial Sea - Pearl Harbor/General/Naval Activity/Naval Gunnery Exercises	,	The Puuloa Danger Zone is located in ocean waters as described by the below coordinates and is closed at all times to surface craft, swimmers, and divers, with the exception of authorized personnel. Mark B.J. Edmonson at mark.bj.edmonson@usmc.mil. The Danger Zone is bound by the following coordinates from Keahi Point to: 21.2622N / -157.9832W 21.2727N / -157.9526W The following are hazardous operations to mariners for December 01, 2025 through December 10, 2025: Mon 01 Dec 0700-1700 Tue 02 Dec 0700-1700 Wed 03 Dec 0700-1700 Thu 04 Dec 0700-1700 Fri 05 Dec N/A Sat 06 Dec N/A Sun 07 Dec N/A Mon 08 Dec 0700-1700 Tue 09 Dec 0700-1700 Wed 10 Dec 0700-1700	

Sampan Channel

Additional MSI Categories

TITLE	SUBCATEGORY	DESCRIPTION	LOCATION
Kaneohe Bay - Sampan		The Pyramid Rock / Fort Hase / Kaneohe Bay Danger Zone is located in ocean waters as described by the below coordinates and is closed at all	
Channel/General/Naval		times to surface craft, swimmers, and divers, with the exception of authorized personnel. Mark B.J. Edmonson at mark.bj.edmonson@usmc.mil. The	
Activity/Naval Gunnery		Danger Zone surrounding Mokapu Peninsula at various coordinates: KBay: 21.4398 / -157.7844 to 21.4354 / -157.7730 Hale Koa / Pyramid Rock:	
Exercises		21.4459 / -157.7824 to 21.4664 / -157.7689 to 21.46229 / -157.7569 Fort Hase: 21.4402 / -157.7332 to 21.4396 / -157.7332 The following are	
		hazardous operations to mariners for December 01, 2025 through December 10, 2025: Mon 01 Dec N/A Tue 02 Dec 0700-1500 DZ KBay (SAR	
		OPS) Wed 03 Dec N/A Thu 04 Dec N/A Fri 05 Dec N/A Sat 06 Dec N/A Sun 07 Dec N/A Mon 08 Dec 1600-2130 DZ KBay (SAR OPS) Tue 09 Dec 1600-2130 DZ KBay (SAR OPS) Wed 10 Dec N/A	

Sector Forces Micronesia/Guam Exclusive Economic Zone (EEZ)

Federal Discrepancies

NAME	LLNR	STATUS	AID TYPE
Agana Small Boat Basin Approach Range Rear Light	30670	DBD DEST	FD
Piti Channel Entrance Light 1	30751	STRUCT DEST/HAZ NAV	FD
Piti Channel Entrance Light 2	30752	STRUCT DEST	FD
Tanapag Harbor Range Rear Light	30880	LT EXT	FD

Private Discrepancies

NAME	LLNR	STATUS	AID TYPE
PaclOOS Wave Lighted Buoy Ipan	30602	MISSING	PA
FAD Site "Cocos" - Guam	30603	LT EXT	PA
FAD Site "FACPI 2" - Guam	30612	MISSING	PA
FAD Site "Number 3"	30631	MISSING	PA
FAD Site "Number 4"	30634	MISSING	PA
FAD Site GF1	30637.100000000002	MISSING	PA
FAD Site "Number 5"	30640	LT EXT	PA
Agat Small Boat Harbor Light 3	30811.3	LT EXT	PA

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Agat Small Boat Harbor Daybeacon 9	30811.9	DAYMK IMCH	PA	
FAD Site EE - Rota	30851.100000000002	MISSING	PA	
FAD Site DD - Rota	30851.2	MISSING	PA	
FAD Site DE - Rota	30851.3	MISSING	PA	

Sector Honolulu, Exclusive Economic Zone (EEZ)

Additional MSI Categories

TITLE	SUBCATEGORY	DESCRIPTION	LOCATION
Sector Honolulu, Exclusive Economic Zone (EEZ)	,	FACSFAC Pearl Harbor established Special Operating Areas Four (SOA-4) as a permanent "HOT AREA" named "KAPU" on April 15, 1995. FACSFAC effective hours are 0700W to 2300W (Monday - Saturday from 1700Z - 0900Z) Monday - Friday, and on weekend's 0800W - 1600W (Weekends from	
/General/Naval Activity/Naval Gunnery		1800Z - 0200Z) or by request. Activities include intermittent naval gunnery exercises and airborne ordnance drops. "KAPU" is also designated as the emergency jettison area for aircraft with hung stores, etc. Hot area "KAPU" is bounded by the following coordinates 20-46N/158-16W, 20-42 N/158-	
Exercises		04W, 20-13N/158-36W and 20-04N/158-11W. Scheduling authority is FACSFAC Pearl Harbor call-sign "HULA DANCER". "HULA DANCER" can be reached on primary 266.4/127.0 MHz, or secondary 336.8/132.4 MHZ or telephone (808) 472-7333/7337 and may authorize transits through these areas on a case by-case basis.	

Sector Honolulu, Territorial Sea

Private Discrepancies

NAME	LLNR	STATUS	AID TYPE
FAD Site G - Pepeekeo, Hawaii	28007.01000000002	MISSING	PA
FAD Site F - Kailua Kona, Hawaii	28007.25	OFF STA	PA
FAD Site XX - Puako, Hawaii	28007.29	MISSING	PA
FAD Site DD - Opana Point, Maui	28007.33	MISSING	PA
FAD SITE MTBC 1	28007.4	MISSING	PA
FAD SITE MTBC 2	28007.42000000002	MISSING	PA
FAD Site M - Hana Bay, Maui	28008.01000000002	MISSING	PA
FAD Site NL - Nuu Landing, Maui	28008.03	MISSING	PA
FAD Site GG - Nakaohu Point, Maui	28008.05	MISSING	PA
FAD Site SO - Kahoolawe	28008.11	MISSING	PA
FAD Site CC - Kaena Point, Lanai	28008.19000000002	MISSING	PA
FAD site LL Hauula - Oahu	28008.25	Status Unreported	PA
FAD Site P - Penguin Bank, Oahu	28008.33	MISSING	PA
FAD Site HH - Pearl Harbor, Oahu	28008.35000000002	MISSING	PA
FAD Site BO - Barbers Point, Oahu	28008.37	MISSING	PA
FAD Site R - Makaha, Oahu	28009.01000000002	MISSING	PA
FAD Site CO - Kaena Point, Oahu	28009.05	MISSING	PA
FAD Site J - Wailalee, Oahu	28009.09	MISSING	PA
FAD Site BB - Moloaa, Kauai	28009.13	MISSING	PA
FAD Site DK - Anahola, Kauai	28009.15	OFF STA	PA
FAD Site WK - Wailua, Kauai	28009.17000000002	MISSING	PA
FAD Site PP - Koloa, Kauai	28009.23	MISSING	PA

Additional MSI Categories

TITLE	SUBCATEGORY	DESCRIPTION	LOCATION
General/Naval Activity/Naval Gunnery Exercises		All vessels/watercraft operating within the Mokapu Peninsula near the Ulupau Crater located on Marine Corps Base Hawaii shall vacate the danger zone at the best speed and by the most direct route. Danger zone will include areas from (Zone 1 NE) 21°30′59.66″N /157°44′05.97″W to 21°29′16.58″N /157°40′30.19″W to (Zone 2 SE) 21°25′01.79″N/157°40′33.70″W to 21°27′11.84″N/157°43′53.83″W, forming a triangular figure. The following are hazardous operations to mariners for December 01, 2025 through December 10, 2025: Zone 1: Mon 01 Dec N/A Tue 02 Dec N/A Wed 03 Dec N/A Thu 04 Dec N/A Fri 05 Dec N/A Sun 07 Dec N/A Mon 08 Dec N/A Tue 09 Dec N/A Wed 10 Dec N/A Zone 2: Mon 01 Dec 0900-1700 Tue 02 Dec N/A Wed 03 Dec N/A Thu 04 Dec N/A Fri 05 Dec 0800-1700 Sat 06 Dec N/A Sun 07 Dec N/A Mon 08 Dec N/A Tue 09 Dec N/A Wed 10 Dec N/A	
Sector Honolulu, Exclusive Economic Zone (EEZ) - Sector Honolulu, Territorial Sea/General/Naval Activity/Naval Gunnery Exercises	Naval Activity	The Waimanalo Bay Danger Zone is located in ocean waters as described by the below coordinates and is closed at all times to surface craft, swimmers, and divers, with the exception of authorized personnel. Mark B.J. Edmonson at mark.bj.edmonson@usmc.mil. The Danger Zone is bounded by the following coordinates: 21.3680N / -157.6954W 21.3559N / -157.6921W The following are hazardous operations to mariners for December 01, 2025 through December 10, 2025: Mon 01 Dec N/A Tue 02 Dec N/A Wed 03 Dec N/A Thu 04 Dec N/A Fri 05 Dec N/A Sat 06 Dec N/A Sun 07 Dec N/A Mon 08 Dec N/A Tue 09 Dec N/A Wed 10 Dec N/A	

South Coast Of Oahu

Private Discrepancies

NAME	LLNR	STATUS	AID TYPE
Kaiwi Channel Lighted Buoy CHG	28931.2	Status Unreported	PA

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Tutuila Island

Federal Discrepancies

NAME	LLNR	STATUS	AID TYPE
Breakers Point Light	30185	LT EXT	FD

<u>Unknown</u>

Private Discrepancies

LLNR	STATUS	AID TYPE		
30787	DAYMK MISSING	PA		
30815	OFF STA	PA		
30820	OFF STA	PA		
30852.16	MISSING	PA		
30852.170000000002	MISSING	PA		
30852.18	MISSING	PA		
30852.190000000002	MISSING	PA		
30852.22	MISSING	PA		
30913	MISSING	PA		
	30787 30815 30820 30852.16 30852.170000000002 30852.18 30852.19000000002 30852.22	30787 DAYMK MISSING 30815 OFF STA 30820 OFF STA 30852.16 MISSING 30852.170000000002 MISSING 30852.18 MISSING 30852.19000000002 MISSING 30852.22 MISSING		