



National Transportation Safety Board

**Office of Marine Safety
Washington, D.C. 20594-2000**

December 13, 2016

**ATTACHMENT 33 to the METEOROLOGY GROUP FACTUAL REPORT
DCA16MM001**

National Weather Service metadata on anemometer installations and wind reporting practices for all ships (active and inactive) in the US Voluntary Observing Ship Program database (current as of October 12, 2016).

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NTSB, AS-30*

<u>ship_id</u>	<u>imo_number</u>	<u>ship_status</u>	<u>pmo</u>	<u>vessel_type</u>	<u>reporting_ship_type</u>
8	8388607	A	Miami	Passenger ship or cruise liner	Selected
14	8711344	A	Miami	Passenger ship or cruise liner	Selected
20	5206362	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
58	7729461	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
183	7812567	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
200	5025691	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
206	7617905	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Selected
227	7116315	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
237	5065392	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
239	5322518	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary (AWS)
259	7320095	A	Seattle	Passenger ferry (carrying passengers only)	Auxiliary
271	8892033	A	Norfolk	Research vessel	VOSclim (AWS)
277	6710920	A	Anchorage	Research vessel	Selected (AWS)
280	7606061	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
314	8835619	A	Honolulu	Research vessel	Supplementary (AWS)
316	7423392	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
331	5173670	I	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
332	5148417	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary (AWS)
341	7726495	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Supplementary
348	5166768	A	Duluth	Barge, including crane barges and tank barges	Supplementary (AWS)
350	7390260	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary (AWS)
354	7502320	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary (AWS)
358	7802718	A	San Francisco	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
359	7408093	I	Seattle	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Auxiliary
360	7738618	I	New York City	Research vessel	Selected (AWS)
365	7318925	A	Anchorage	Ro/Ro ferry	Auxiliary
374	7321087	I	San Francisco	Vehicle carrier (dedicated multi deck ships for the carriage of new unladen road vehicles	Selected
376	9271054	A	Duluth	Icebreaking vessels (dedicated vessels)	Supplementary
389	7602338	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
394	8841826	I	Seattle	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Support Fleet
395	7390272	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary (AWS)
412	7723821	I	Los Angeles	Research vessel	Selected
416	9270335	A	Anchorage	Research vessel	Supplementary (AWS)
443	5277062	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
444	6711003	A	Seattle	Research vessel	Selected (AWS)
450	7367471	I	Seattle	Icebreaking vessels (dedicated vessels)	Selected
458	7502576	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
462	7821154	I	Houston	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
468	7224306	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Selected
488	7726500	I	Jacksonville	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Supplementary
501	7502564	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
508	7366312	A	Jacksonville	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
528	6421086	A	Anchorage	Ro/Ro ferry	Supplementary
544	7390909	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
552	5389554	A	Duluth	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary (AWS)

554	7729057	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary (AWS)
574	7816549	A	Miami	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Supplementary
580	7907984	A	San Francisco	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
586	7932202	I	San Francisco	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, g tenders, etc	Supplementary
589	7907996	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
591	7908005	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
595	7366362	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
596	7923196	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
606	7366398	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
623	5294307	I	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
630	7514696	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
631	7105495	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary (AWS)
632	7318901	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
634	7366403	I	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
663	7403990	I	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
691	7625952	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
717	8005109	A	New Orleans	General cargo with one or more holds	Supplementary
741	5385625	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary (AWS)
747	7326245	I	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
753	5097450	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary (AWS)
790	7506015	I	Seattle	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized	Supplementary
797	7620653	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
837	8220761	A	Miami	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Selected
857	7505994	A	Jacksonville	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, g tenders, etc	Supplementary
860	8420799	A	Jacksonville	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Auxiliary
885	7514713	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
922	8419154	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Selected
946	8419166	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Selected
958	8419142	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Selected
960	7334204	A	Los Angeles	General cargo with one or more holds	Supplementary
966	9158288	A	Jacksonville	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized	Auxiliary
976	7222138	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
1007	9260469	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
1076	8836273	I	Anchorage	Fishing vessel, including purse seiners, long liners, etc., but excluding trawler:	Auxiliary
1145	9260457	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
1211	8971138	A	Anchorage	Fishing vessel, including purse seiners, long liners, etc., but excluding trawler:	Auxiliary
1218	8900866	A	Seattle	Cable Ship	Supplementary
1230	8814419	I	Seattle	Research vessel	Supplementary
1234	7638454	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, g tenders, etc	Auxiliary
1236	7626190	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, g tenders, etc	Auxiliary
1254	8635150	I	Duluth	Coast Guard cutter, patrol ships, and launches	Supplementary
1262	9002037	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
1270	8835097	A	Honolulu	Research vessel	Supplementary (AWS)
1312	7367213	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, g tenders, etc	Auxiliary
1337	7514701	I	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
1340	8120014	A	Anchorage	Research vessel	Supplementary (AWS)

1368	9035060	I	San Francisco	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Auxiliary
1370	6520454	I	Duluth	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, g tenders, etc	Supplementary
1392	9059602	A	Miami	Refrigerated cargo ship (including banana ships)	Supplementary
1419	8919257	A	Miami	Passenger ship or cruise liner	Selected
1422	8711356	A	Miami	Passenger ship or cruise liner	Auxiliary
1437	9041253	A	Jacksonville	Passenger ship or cruise liner	Selected
1445	9051478	I	Norfolk	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
1454	8312215	A	New Orleans	General cargo with one or more holds	VOSClim
1510	9018658	A	Baltimore	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	VOSClim
1530	9053878	A	Los Angeles	Passenger ship or cruise liner	Auxiliary
1566	8215481	A	Norfolk	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized	Supplementary
1584	7047461	A	Duluth	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, g tenders, etc	Supplementary
1632	9106182	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
1656	9077123	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
1656	9077123	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
1663	9070620	A	Anchorage	Passenger ship or cruise liner	Supplementary
1664	9070632	A	Anchorage	Passenger ship or cruise liner	Supplementary
1666	9077276	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
1686	9074547	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
1709	9070058	A	Jacksonville	Passenger ship or cruise liner	VOSClim
1777	1234	A	Duluth	Large sailing vessel, including sail training vessels	Supplementary
1779	9075228	A	Los Angeles	Research vessel	Selected
1791	9103128	I	Jacksonville	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Auxiliary
1839	9072446	I	Seattle	Passenger ship or cruise liner	Supplementary
1840	9102992	A	Miami	Passenger ship or cruise liner	Selected
1840	9102992	A	Miami	Passenger ship or cruise liner	Selected
1842	9105798	A	Anchorage	Research vessel	Supplementary (AWS)
1852	9116577	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
1853	7501106	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
1854	9116589	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
1865	9116618	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
1872	9102978	A	Jacksonville	Passenger ship or cruise liner	Supplementary
1872	9102978	A	Jacksonville	Passenger ship or cruise liner	Supplementary
1873	9143001	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
1876	9116606	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
1879	9118721	A	Jacksonville	Passenger ship or cruise liner	Selected
1890	9126297	A	Baltimore	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized	VOSClim
1892	9106302	I	Miami	Passenger ship or cruise liner	Selected
1893	9111802	A	Jacksonville	Passenger ship or cruise liner	Auxiliary
1904	9116864	A	Anchorage	Passenger ship or cruise liner	Supplementary
1909	9074389	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
1914	9155121	A	Norfolk	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
1929	9143025	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
1930	5105831	I	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
1932	NULL	A	Anchorage	Research vessel	Auxiliary
1940	8835255	A	New Orleans	Research vessel	VOSClim (AWS)

1943	9145205	A	Anchorage	Ro/Ro ferry	Supplementary
1958	9142174	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
1960	9007257	A	Seattle	Research vessel	Selected
1969	9103130	A	Baltimore	Container ship, including open and closed container ships and refrigerated container ship:	Selected
1973	9120877	A	Miami	Passenger ship or cruise liner	Supplementary
1975	8707343	I	Anchorage	Passenger ship or cruise liner	Supplementary
1977	9175925	I	Seattle	Vehicle carrier (dedicated multi deck ships for the carriage of new unladen road vehicles	Auxiliary
1986	9056296	I	Seattle	Vehicle carrier (dedicated multi deck ships for the carriage of new unladen road vehicles	Supplementary
2007	9120853	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2008	9120865	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2014	7626217	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2026	9120841	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
2028	9161716	I	Miami	Passenger ship or cruise liner	Selected
2029	9083380	A	Seattle	Icebreaking vessels (dedicated vessels)	Selected
2035	6704854	I	Seattle	General cargo with one or more holds	Auxiliary
2040	5153890	I	Seattle	General cargo with one or more holds	Supplementary
2053	9181376	I	Seattle	Vehicle carrier (dedicated multi deck ships for the carriage of new unladen road vehicles	Auxiliary
2064	9191319	A	Jacksonville	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized c	VOSClm
2065	9169158	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2079	7042851	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2080	7026998	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2081	7404102	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2085	7614082	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2086	7227384	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2090	8129503	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2093	8213249	A	Anchorage	General cargo with one or more holds	Auxiliary
2095	7404097	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2097	9107849	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2099	9032953	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2113	9214898	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2115	9010498	I	Seattle	NULL	Supplementary
2118	8516433	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2119	8700711	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2120	9010656	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2123	7367225	I	Kodiak	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2124	8513687	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Supplementary
2125	8606549	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2126	8852576	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2130	8851687	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2131	7227358	I	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2138	7417367	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2143	9014078	A	Anchorage	General cargo with one or more holds	Auxiliary
2144	9214903	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
2150	9193551	A	Seattle	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
2154	5033583	A	Duluth	Passenger ferry (carrying passengers only)	Supplementary
2155	NULL	I	Kodiak	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary

2160	8036586	A	Seattle	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Supplementary
2165	9228136	A	Houston	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
2180	9118628	A	Miami	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
2183	NULL	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Supplementary
2184	7802627	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2185	7509445	I	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2186	9189421	A	Miami	Passenger ship or cruise liner	Supplementary
2186	9189421	A	Miami	Passenger ship or cruise liner	Supplementary
2188	9178379	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2189	9178381	I	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2190	9214381	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Supplementary
2191	9214408	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Supplementary
2196	7638478	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2198	5408491	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2201	9195195	A	Anchorage	Passenger ship or cruise liner	Supplementary
2205	7397658	I	Jacksonville	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Supplementary
2206	5228827	A	Anchorage	Passenger ferry (carrying passengers only)	Auxiliary
2213	9138850	A	New Orleans	Passenger ship or cruise liner	Supplementary
2214	9156527	A	Anchorage	Passenger ship or cruise liner	Selected
2230	9192387	A	Miami	Passenger ship or cruise liner	Selected
2230	9192387	A	Miami	Passenger ship or cruise liner	Selected
2232	NULL	A	Anchorage	Coast Guard cutter, patrol ships, and launches	Auxiliary
2233	7390143	I	Anchorage	Liquefied gas carriers/tankers including LNG and LPG carrier:	Supplementary
2234	9223954	A	Jacksonville	Passenger ship or cruise liner	Auxiliary (AWS)
2236	NULL	A	Anchorage	Research vessel	Auxiliary
2241	9180229	I	Houston	Mobile installation, including mobile offshore drill ships, jack-up rigs, and semi-submersible:	Supplementary
2243	5351052	A	Anchorage	Passenger ferry (carrying passengers only)	Auxiliary
2248	9139830	I	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2249	7528817	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2253	7512002	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2255	9193563	A	Seattle	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Selected
2258	7502332	A	Anchorage	Ro/Ro ferry	Selected
2266	5218183	A	Anchorage	Passenger ferry (carrying passengers only)	Auxiliary
2268	7829778	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2269	9241310	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2272	7208431	A	Anchorage	Fishing vessel, including purse seiners, long liners, etc., but excluding trawler:	Auxiliary
2276	7047708	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2283	9118630	A	Baltimore	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
2290	9241322	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2291	9226035	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Selected
2295	7408081	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Selected
2296	9228148	A	Houston	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
2297	7929308	I	New Orleans	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Selected
2423	8309830	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2663	9241308	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
2670	9186792	I	Houston	Mobile installation, including mobile offshore drill ships, jack-up rigs, and semi-submersible:	Supplementary

2672	9212802	A	Houston	Mobile installation, including mobile offshore drill ships, jack-up rigs, and semi-submersible:	Supplementary
2677	9169160	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
2679	9255062	A	New Orleans	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
2680	9198355	A	Miami	Passenger ship or cruise liner	Selected
2682	9245768	A	Norfolk	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
2683	9182954	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Selected
2684	5216458	I	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
2685	7303877	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
2686	9131371	A	Miami	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
2689	9226047	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Selected
2690	9229037	A	Honolulu	Research vessel	Selected
2693	9243162	A	Houston	Container ship, including open and closed container ships and refrigerated container ship:	VOSCLim
2699	9241293	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2704	9258193	A	Houston	General cargo with one or more holds	Auxiliary
2710	9168855	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2714	9232278	A	Seattle	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized	Supplementary
2716	7902001	A	Anchorage	Fishing vessel, including purse seiners, long liners, etc., but excluding trawler:	Auxiliary
2719	8867882	I	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2721	7119678	A	Charleston	General cargo with one or more holds	Selected
2726	8218938	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2729	9206114	A	Seattle	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
2732	9219812	A	Duluth	Research vessel	Supplementary
2733	8411932	I	Kodiak	Fishing vessel, including purse seiners, long liners, etc., but excluding trawler:	Support Fleet
2736	9244130	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
2742	8962498	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2743	8967589	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2750	9232280	A	Seattle	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized	Selected
2755	9241281	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2763	9198367	A	Miami	Passenger ship or cruise liner	Selected
2763	9198367	A	Miami	Passenger ship or cruise liner	Selected
2765	9260419	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
2768	9129706	A	Jacksonville	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2770	9249180	A	Seattle	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
2771	9259965	I	Anchorage	Coast Guard cutter, patrol ships, and launches	Supplementary
2772	9126807	A	Jacksonville	Passenger ship or cruise liner	Selected
2774	7729526	I	Kodiak	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2780	9144926	A	New Orleans	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
2787	8612134	A	Anchorage	Passenger ship or cruise liner	Supplementary
2791	9278753	A	Houston	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	VOSCLim
2804	7367160	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2811	9212797	I	Houston	Mobile installation, including mobile offshore drill ships, jack-up rigs, and semi-submersible:	Supplementary
2815	9317664	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2823	7417317	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2826	7047239	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2827	7507409	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Supplementary
2829	9244063	A	Seattle	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary

2833	7114068	I	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2840	9268538	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
2852	8845767	A	Anchorage	Fishing vessel, including purse seiners, long liners, etc., but excluding trawler:	Auxiliary
2860	9244659	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
2867	9271133	A	Duluth	Coast Guard cutter, patrol ships, and launches	Supplementary
2871	9221281	A	Anchorage	Passenger ship or cruise liner	Selected
2872	9188037	A	Anchorage	Passenger ship or cruise liner	Selected
2873	9156515	A	Anchorage	Passenger ship or cruise liner	Selected
2883	9102291	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Selected
2888	9245483	A	Anchorage	Yacht/pleasure craft	Supplementary
2889	9143037	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Selected
2890	9254654	I	Seattle	General cargo with one or more holds	Supplementary
2899	9221279	A	Anchorage	Passenger ship or cruise liner	Selected
2901	9226891	A	Miami	Passenger ship or cruise liner	Selected
2901	9226891	A	Miami	Passenger ship or cruise liner	Selected
2902	8700280	A	Miami	Passenger ship or cruise liner	Selected
2906	8964719	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2908	9161728	A	Jacksonville	Passenger ship or cruise liner	Selected
2909	7114288	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2910	9087489	A	Los Angeles	Passenger ship or cruise liner	Auxiliary
2912	7050030	A	Anchorage	Fishing vessel, including purse seiners, long liners, etc., but excluding trawler:	Auxiliary
2930	9224532	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
2948	9227039	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
2954	9168843	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2955	9168879	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2958	9131369	A	San Francisco	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
2978	9236389	A	Jacksonville	Passenger ship or cruise liner	Auxiliary
2981	8987931	I	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
2995	9198408	A	Anchorage	Fishing vessel, including purse seiners, long liners, etc., but excluding trawler:	Auxiliary
2998	9224726	A	Miami	Passenger ship or cruise liner	Selected
3006	9218662	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
3015	9278492	A	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
3036	9244661	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
3044	7641384	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
3057	9273674	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
3061	9295830	I	Jacksonville	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized r	Supplementary
3071	9116890	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
3075	9237357	A	Seattle	Passenger ship or cruise liner	Selected
3078	9188154	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
3105	9196967	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
3112	7914236	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
3113	7634226	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
3117	9244673	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
3123	9243203	A	Houston	Container ship, including open and closed container ships and refrigerated container ship:	VOSclim
3126	9290127	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
3128	9213947	I	Houston	General cargo with one or more holds	Supplementary

3135	7604300	A	New York City	Research vessel	Selected (AWS)
3135	7604300	A	New York City	Research vessel	Selected (AWS)
3136	NULL	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, g tenders, etc	Auxiliary
3137	NULL	I	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c	Auxiliary
3142	9168831	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
3144	7433830	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c	Supplementary
3145	9300398	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
3152	9278181	A	Houston	Passenger ship or cruise liner	Supplementary
3154	8997845	A	Anchorage	Fishing vessel, including purse seiners, long liners, etc., but excluding trawler:	Auxiliary
3155	9230115	A	Anchorage	Passenger ship or cruise liner	Selected
3166	7514684	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
3181	9250660	A	Seattle	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Selected
3182	9271432	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
3183	9239795	I	Anchorage	Passenger ferry (carrying passengers only)	Supplementary
3187	NULL	I	Kodiak	Fishing vessel, including purse seiners, long liners, etc., but excluding trawler:	Auxiliary
3197	8855463	A	Anchorage	General cargo with one or more holds	Auxiliary
3199	9218131	A	Miami	Passenger ship or cruise liner	Supplementary
3200	8751667	A	Houston	Mobile installation, including mobile offshore drill ships, jack-up rigs, and semi-submersible:	Supplementary
3207	9293648	I	Jacksonville	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized c	Auxiliary
3225	9273686	A	Baltimore	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
3235	9288875	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
3236	9256468	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
3237	0	I	Anchorage	General cargo with one or more holds	Auxiliary
3238	8501567	A	Anchorage	Pipe layer	Supplementary
3249	8752415	I	Houston	Mobile installation, including mobile offshore drill ships, jack-up rigs, and semi-submersible:	Supplementary
3250	8765515	I	New Orleans	NULL	Selected
3254	9243186	A	Houston	Container ship, including open and closed container ships and refrigerated container ship:	VOSClm
3256	9243198	A	Houston	Container ship, including open and closed container ships and refrigerated container ship:	VOSClm
3261	9305300	I	Norfolk	Container ship, including open and closed container ships and refrigerated container ship:	Selected
3269	7367158	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c	Auxiliary
3280	9333149	A	Miami	Passenger ship or cruise liner	Selected
3281	9308493	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
3282	9317987	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
3284	9274563	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
3285	9282106	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
3288	9304033	A	Jacksonville	Passenger ship or cruise liner	Supplementary
3289	9228368	A	Anchorage	Passenger ship or cruise liner	Supplementary
3290	9300439	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
3298	9249178	A	New Orleans	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
3302	9228356	I	Miami	Passenger ship or cruise liner	Selected
3302	9228356	I	Miami	Passenger ship or cruise liner	Selected
3303	9330032	A	Houston	Passenger ship or cruise liner	Supplementary
3305	9116876	A	Miami	Passenger ship or cruise liner	Supplementary
3307	9351062	A	Miami	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Selected
3315	9318321	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
3317	9127033	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary

3319	9238272	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Supplementary
3325	9137337	A	Seattle	Research vessel	Selected (AWS)
3327	9362190	I	Anchorage	General cargo with one or more holds	Supplementary
3328	9300427	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
3330	9243174	A	Houston	Container ship, including open and closed container ships and refrigerated container ship:	VOSclim
3331	9196955	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
3333	7367146	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
3343	9300441	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Selected
3344	9118147	I	Anchorage	General cargo with one or more holds	Supplementary
3345	9233466	A	Anchorage	General cargo with one or more holds	Supplementary
3347	9317406	A	Anchorage	General cargo with one or more holds	Supplementary
3348	9218650	I	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
3349	9330604	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Supplementary
3350	9218399	I	Anchorage	General cargo with one or more holds	Supplementary
3352	9295000	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Supplementary
3354	9305635	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
3357	9330599	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Supplementary
3361	9209221	A	Anchorage	Passenger ship or cruise liner	Supplementary
3363	9304057	A	Anchorage	Passenger ship or cruise liner	Supplementary
3364	7513343	I	Anchorage	Fishing vessel, including purse seiners, long liners, etc., but excluding trawler:	Auxiliary
3372	9304045	A	Jacksonville	Passenger ship or cruise liner	Supplementary
3388	7826908	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
3389	9200940	A	Anchorage	Passenger ship or cruise liner	Supplementary
3393	9301811	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
3399	9265809	A	Anchorage	Ro/Ro ferry	Auxiliary
3407	7390210	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
3409	6407834	I	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
3413	9227508	A	Miami	Passenger ship or cruise liner	Supplementary
3413	9227508	A	Miami	Passenger ship or cruise liner	Supplementary
3418	8617445	A	Anchorage	Large sailing vessel, including sail training vessels	Supplementary
3419	9168867	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
3422	9289491	A	Jacksonville	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Auxiliary
3423	9195157	A	Anchorage	Passenger ship or cruise liner	Supplementary
3430	9167227	A	Miami	Passenger ship or cruise liner	Selected
3430	9167227	A	Miami	Passenger ship or cruise liner	Selected
3431	9265873	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Supplementary
3432	9342281	A	Anchorage	Passenger ship or cruise liner	Selected
3478	9224312	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
3482	NULL	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
3491	8754140	I	Seattle	Mobile installation, including mobile offshore drill ships, jack-up rigs, and semi-submersible:	Supplementary
3617	9218674	I	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
3735	9250892	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Auxiliary
3916	9229348	I	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
4027	9121273	A	Baltimore	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized c	Supplementary
4133	9182942	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Auxiliary
4247	9265885	I	Los Angeles	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Supplementary

4439	9249295	I	Anchorage	General cargo with one or more holds	Supplementary
4634	8420787	I	Charleston	General cargo with one or more holds	Supplementary
4703	9182930	A	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
4782	9160803	A	Anchorage	General cargo with one or more holds	Supplementary
4785	9218387	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
4901	9197002	A	Anchorage	General cargo with one or more holds	Supplementary
4940	9210218	I	Anchorage	Passenger ship or cruise liner	Supplementary
4994	9210725	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
5778	9074078	A	Anchorage	General cargo with one or more holds	Supplementary
5824	9242352	I	Baltimore	Cable Ship	VOSCLIM
5931	9253064	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
5977	9243667	A	Anchorage	Passenger ship or cruise liner	Supplementary
6024	9205885	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
6108	9064126	A	Miami	Passenger ship or cruise liner	Supplementary
6134	9303546	A	Jacksonville	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized	VOSCLIM
6208	9117739	A	Anchorage	General cargo with one or more holds	Supplementary
6246	9192167	A	Anchorage	Passenger ship or cruise liner	Supplementary
6385	7910216	I	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
6398	8006323	I	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
6413	7413218	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
6440	6805531	I	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
6456	7423093	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
6465	8002432	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
6712	6800919	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
7718	9177428	A	Jacksonville	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized	Supplementary
7726	9317418	A	Seattle	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Auxiliary
7781	9210139	A	Anchorage	Passenger ship or cruise liner	Supplementary
7979	9343481	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
8072	9302097	A	Norfolk	Container ship, including open and closed container ships and refrigerated container ship:	VOSCLIM
8106	9272383	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
8339	9303558	A	Jacksonville	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized	Auxiliary
8372	9182928	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
8426	9250725	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8436	9305312	A	Norfolk	Container ship, including open and closed container ships and refrigerated container ship:	VOSCLIM
8439	9332066	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8564	9353527	A	Jacksonville	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Selected
8578	9226633	I	Anchorage	General cargo with one or more holds	Supplementary
8628	9253856	I	Jacksonville	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Support Fleet
8654	9355733	A	Jacksonville	Passenger ship or cruise liner	Selected
8658	9300465	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
8660	9216717	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8660	9216717	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8662	9205665	I	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
8670	9353539	A	Seattle	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Selected
8671	9283681	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
8679	9311256	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary

8681	9343510	A	Anchorage	General cargo with one or more holds	Supplementary
8684	9111319	A	Anchorage	Passenger ship or cruise liner	Supplementary
8684	9111319	A	Anchorage	Passenger ship or cruise liner	Supplementary
8685	9323077	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8686	9129940	I	Miami	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8687	9010137	A	Anchorage	Research vessel	Supplementary (AWS)
8687	9010137	A	Anchorage	Research vessel	Supplementary (AWS)
8688	9237345	A	Anchorage	Passenger ship or cruise liner	Supplementary
8689	9239783	A	Miami	Passenger ship or cruise liner	Selected
8691	8835114	A	New York City	Research vessel	Selected (AWS)
8691	8835114	A	New York City	Research vessel	Selected (AWS)
8696	9302970	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8701	8807997	I	Anchorage	Passenger ship or cruise liner	Supplementary
8703	9369394	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Supplementary
8705	9309021	A	Anchorage	General cargo with one or more holds	Supplementary
8710	9329409	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8711	9267417	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
8715	9356074	I	Charleston	Container ship, including open and closed container ships and refrigerated container ship:	Selected
8716	9346122	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8717	9333163	A	Anchorage	Passenger ship or cruise liner	Supplementary
8718	9349681	A	Miami	Passenger ship or cruise liner	Selected
8718	9349681	A	Miami	Passenger ship or cruise liner	Selected
8720	9070448	A	Baltimore	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized v	Selected
8722	9339818	A	Jacksonville	Vehicle carrier (dedicated multi deck ships for the carriage of new unladen road vehicles	Selected
8726	7433799	A	Duluth	Barge, including crane barges and tank barges	Supplementary
8730	9272735	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8734	9307047	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
8735	9260421	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
8736	9265861	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8742	9230050	A	Houston	Liquified gas carriers/tankers including LNG and LPG carrier:	Supplementary
8744	9346134	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8745	9287455	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
8746	9325685	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8750	9378448	A	Miami	Passenger ship or cruise liner	Selected
8754	NULL	A	Seattle	Icebreaking vessels (dedicated vessels)	Selected (AWS)
8756	9380805	A	New Orleans	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
8759	9331555	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
8760	9360879	I	Anchorage	Liquified gas carriers/tankers including LNG and LPG carrier:	Supplementary
8763	NULL	I	Seattle	Research vessel	Selected (AWS)
8764	9265548	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8774	7603617	A	Seattle	Research vessel	Selected
8779	9322255	A	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8780	9239616	A	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8781	9361079	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8795	9332547	A	Jacksonville	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized v	Selected
8801	9238636	I	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary

8802	9300477	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
8805	7367172	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
8806	9362530	A	Seattle	Passenger ship or cruise liner	Selected
8806	9362530	A	Seattle	Passenger ship or cruise liner	Selected
8809	9239484	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8817	9353553	A	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	VOSclim
8818	9267950	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8820	9252539	A	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8821	9246621	A	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8828	9360336	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8841	9355135	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8843	9199828	I	New York City	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8845	9281009	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8847	9126819	A	Miami	Passenger ship or cruise liner	VOSclim
8850	9386122	A	Houston	Mobile installation, including mobile offshore drill ships, jack-up rigs, and semi-submersible:	Supplementary
8900	9374284	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8918	9407562	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
8961	9359038	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
8971	9386304	A	Anchorage	Liquified gas carriers/tankers including LNG and LPG carrier:	Supplementary
8979	9260445	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
8998	9386299	A	Anchorage	Liquified gas carriers/tankers including LNG and LPG carrier:	Supplementary
9011	9300386	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
9019	9359014	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
9023	9418729	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
9042	9346029	I	Miami	Other	Auxiliary
9042	9346029	I	Miami	Other	Auxiliary
9058	9378474	A	New Orleans	Passenger ship or cruise liner	Selected
9059	9371062	A	Anchorage	General cargo with one or more holds	Supplementary
9060	9354911	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
9068	9409936	A	Houston	Mobile installation, including mobile offshore drill ships, jack-up rigs, and semi-submersible:	Supplementary
9079	9377236	A	Anchorage	Liquified gas carriers/tankers including LNG and LPG carrier:	Supplementary
9123	9265794	I	Anchorage	Ro/Ro ferry	Auxiliary
9134	9259276	I	Anchorage	Liquified gas carriers/tankers including LNG and LPG carrier:	Supplementary
9137	NULL	I	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
9161	9398905	I	Miami	Passenger ship or cruise liner	Supplementary
9166	9398228	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
9179	9271145	A	Duluth	Coast Guard cutter, patrol ships, and launches	Supplementary
9183	7940467	A	Anchorage	Fishing vessel, including purse seiners, long liners, etc., but excluding trawler:	Supplementary
9191	9337511	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
9197	9247144	A	Anchorage	Passenger ferry (carrying passengers only)	Supplementary
9200	9377248	A	Anchorage	Liquified gas carriers/tankers including LNG and LPG carrier:	Supplementary
9201	9407122	A	Anchorage	Liquified gas carriers/tankers including LNG and LPG carrier:	Supplementary
9202	9377224	A	Anchorage	Liquified gas carriers/tankers including LNG and LPG carrier:	Supplementary
9204	NULL	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
9219	9161259	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
9240	9349071	A	New Orleans	Research vessel	VOSclim (AWS)

9258	9398395	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
9262	9502489	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
9263	9502491	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Supplementary
9274	9398436	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
9278	742108	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
9288	9443580	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
9316	9383936	A	Miami	Passenger ship or cruise liner	Selected
9331	9413004	A	New York City	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Auxiliary
9382	9292565	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
9388	9359052	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
9390	9176022	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Auxiliary
9416	9395501	I	Anchorage	Liquidified gas carriers/tankers including LNG and LPG carriers:	Supplementary
9427	9414163	I	Houston	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Supplementary
9447	9260902	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Selected
9457	9321809	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Supplementary
9464	9250907	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Auxiliary
9492	9437385	A	Charleston	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
9509	9330812	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
9553	9412995	A	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Auxiliary
9557	9417000	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Auxiliary
9588	9404314	A	Miami	Passenger ship or cruise liner	Selected
9588	9404314	A	Miami	Passenger ship or cruise liner	Selected
9695	9267209	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
9696	9271614	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
9712	9144914	A	San Francisco	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Supplementary
9715	9416848	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
9777	9361251	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
9780	9398216	I	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
9818	9360453	A	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Auxiliary
9820	9536129	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
9825	9156474	A	Seattle	Passenger ship or cruise liner	Selected
9837	7726536	I	Jacksonville	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Supplementary
9838	7397660	I	Jacksonville	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
9839	7726512	I	Jacksonville	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Supplementary
9842	7390894	I	Jacksonville	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Supplementary
9845	7726524	A	Jacksonville	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Supplementary
9846	7507370	I	Jacksonville	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
9849	9361249	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
9869	9508392	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
9884	9474137	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
9890	9444819	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
9926	9378450	A	Miami	Passenger ship or cruise liner	Auxiliary
9942	9588299	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Supplementary
9949	7512052	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
9959	9387334	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
9960	9410959	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary

9969	9425526	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Supplementary
9994	9396139	I	Anchorage	General cargo with one or more holds	Supplementary
9998	9396153	A	Seattle	General cargo with one or more holds	Supplementary
10004	9396141	A	Anchorage	General cargo with one or more holds	Supplementary
10006	9418731	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10016	9431824	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
10027	9383948	A	Miami	Passenger ship or cruise liner	Selected
10027	9383948	A	Miami	Passenger ship or cruise liner	Selected
10028	NULL	A	Los Angeles	Research vessel	Selected (AWS)
10073	9432218	A	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Supplementary
10081	9314064	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10083	9332212	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10088	9492335	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10090	9450727	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10120	9199622	I	Seattle	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Support Fleet
10121	9403322	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Supplementary
10124	9287297	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Supplementary
10135	9332315	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Supplementary
10181	8504882	I	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10183	9434254	A	Jacksonville	Passenger ship or cruise liner	VOSclim
10192	9333632	A	Anchorage	Liquefied gas carriers/tankers including LNG and LPG carriers:	Supplementary
10195	9367413	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Supplementary
10197	9388431	A	Anchorage	Ro/Ro ferry	Auxiliary
10226	9313266	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Supplementary
10237	8635227	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10238	8505850	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10260	9519767	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10295	9365829	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
10305	9564384	A	New York City	Refrigerated cargo ship (including banana ships)	Supplementary
10311	9469015	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10312	9591741	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10315	9425875	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10339	9451094	A	Miami	Passenger ship or cruise liner	Selected
10341	NULL	I	Anchorage	Fishing vessel, including purse seiners, long liners, etc., but excluding trawler:	Auxiliary
10395	9499917	A	Houston	Mobile installation, including mobile offshore drill ships, jack-up rigs, and semi-submersible:	Supplementary
10399	9500625	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10426	9422067	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10453	9303845	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10508	8003292	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10513	9483126	A	Miami	Passenger ship or cruise liner	Auxiliary
10525	9506722	I	Houston	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10535	9587893	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10563	9378486	A	Jacksonville	Passenger ship or cruise liner	Supplementary
10573	8856168	I	Anchorage	Trawler fishing vessel	Auxiliary
10608	9464326	I	New Orleans	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Support Fleet
10656	9257802	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC)	Auxiliary

10670	8306292	I	Anchorage	Trawler fishing vessel	Auxiliary
10672	9398424	I	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
10705	9395496	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
10790	9572329	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10820	9365831	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
10832	9437335	A	Houston	General cargo with one or more holds	Supplementary
10842	9445590	A	Jacksonville	Passenger ship or cruise liner	Supplementary
10848	9434905	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
10853	9389643	I	Houston	Liquified gas carriers/tankers including LNG and LPG carrier:	Supplementary
10867	9479864	I	Anchorage	Passenger ship or cruise liner	Supplementary
10881	9555723	A	Miami	Passenger ship or cruise liner	Auxiliary
10908	9487964	I	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
10909	9419644	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
10949	9650597	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
10982	9270127	I	Seattle	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Support Fleet
11050	9424912	I	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
11100	9332999	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	VOSClim
11104	9333008	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	VOSClim
11141	9359674	A	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
11258	9422512	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
11402	9593426	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
11452	9471862	A	Houston	Mobile installation, including mobile offshore drill ships, jack-up rigs, and semi-submersible:	Supplementary
11457	9506459	A	Miami	Passenger ship or cruise liner	Selected
11457	9506459	A	Miami	Passenger ship or cruise liner	Selected
11461	9419668	I	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
11474	9178331	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
11479	9417012	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
11480	9417024	A	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
11498	9422201	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
11503	9422196	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
11504	9593866	A	Jacksonville	General cargo with one or more holds	Supplementary
11509	9417892	A	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
11513	9435909	A	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
11516	9360465	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
11546	9476977	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
11548	9613836	A	Anchorage	General cargo with one or more holds	Supplementary
11601	9554004	I	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
11649	9451460	I	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
11666	9253076	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
11700	9593878	A	Jacksonville	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Auxiliary
11720	9644483	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
11728	9593919	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
11731	9606912	A	New York City	Passenger ship or cruise liner	Supplementary
11753	9578945	A	Anchorage	Research vessel	Supplementary (AWS)
11800	9333034	A	Norfolk	Container ship, including open and closed container ships and refrigerated container ship:	Selected
11801	9591674	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary

11806	9332975	A	Norfolk	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
11855	9591131	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
11869	9348649	A	Charleston	Container ship, including open and closed container ships and refrigerated container ship:	VOSCLim
11909	9348651	A	Charleston	Container ship, including open and closed container ships and refrigerated container ship:	Selected
11917	9332987	A	Norfolk	Container ship, including open and closed container ships and refrigerated container ship:	Selected
11927	9342176	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	VOSCLim
11966	9609407	I	Houston	Mobile installation, including mobile offshore drill ships, jack-up rigs, and semi-submersible:	Supplementary
11971	9259680	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
12008	9624093	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
12012	9583720	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
12031	9558402	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
12034	9604093	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
12050	9572331	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
12075	9667447	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
12079	9607136	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
12109	9623336	A	Houston	Mobile installation, including mobile offshore drill ships, jack-up rigs, and semi-submersible:	Supplementary
12111	9575668	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
12113	9600657	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
12118	9532513	A	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
12147	9631682	A	Anchorage	Liquified gas carriers/tankers including LNG and LPG carrier:	Supplementary
12155	9593907	I	Houston	General cargo with one or more holds	Supplementary
12157	9380764	A	Anchorage	General cargo with one or more holds	Supplementary
12158	9644495	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
12170	9606821	I	Anchorage	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
12181	9606924	A	Miami	Passenger ship or cruise liner	Supplementary
12217	9597513	I	New Orleans	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
12495	9595527	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
12500	9595486	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
12508	8800195	A	Anchorage	Passenger ship or cruise liner	Auxiliary
12519	9595462	A	Norfolk	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
12521	9595515	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
12544	9629043	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
12578	9629079	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
12647	9675406	A	New York City	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
12695	9333010	A	Charleston	Container ship, including open and closed container ships and refrigerated container ship:	VOSCLim
12709	9629031	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
12710	9549463	A	New York City	Passenger ship or cruise liner	Supplementary
12842	9675391	A	New York City	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
12867	9595450	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
13004	9491900	I	Houston	General cargo with one or more holds	Supplementary
13078	9333022	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
13093	9471226	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
13258	9665281	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
13336	9697832	A	Anchorage	General cargo with one or more holds	Supplementary
13365	9685322	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
13404	9613941	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary

13443	9680841	A	Jacksonville	Container ship, including open and closed container ships and refrigerated container ship:	VOSCLim
13518	9355513	A	Jacksonville	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Auxiliary
13669	9604110	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
13714	9453987	A	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
13715	9656101	A	New York City	Passenger ship or cruise liner	Supplementary
13743	9595498	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
13783	9426207	A	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
13804	9670585	I	New York City	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized c	Supplementary
13824	9595436	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
13929	9629122	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
50	8109668	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
72	7729459	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
166	5264510	A	New York City	Passenger ship or cruise liner	Selected
188	8121795	A	Duluth	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Supplementary
228	7617890	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Selected
367	7390155	I	New York City	Liquified gas carriers/tankers including LNG and LPG carrier:	Supplementary
393	7738591	A	Los Angeles	Research vessel	Selected
409	6728068	A	New Orleans	Research vessel	VOSCLim (AWS)
526	7225855	I	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Auxiliary
558	9302102	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
597	7329314	A	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
615	6806444	I	New York City	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
904	9260433	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Selected
977	5097187	I	Duluth	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Supplementary
1246	NULL	A	Baltimore	Large sailing vessel, including sail training vessels	Selected
1409	9059614	A	Miami	Refrigerated cargo ship (including banana ships)	Supplementary
1446	9059640	A	Miami	Refrigerated cargo ship (including banana ships)	Supplementary
1543	8901406	A	New York City	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized c	VOSCLim
1622	9074391	I	Charleston	Container ship, including open and closed container ships and refrigerated container ship:	Selected
1623	9074535	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
1636	9059626	A	Miami	Refrigerated cargo ship (including banana ships)	Selected
1662	8819512	A	Jacksonville	Passenger ship or cruise liner	Supplementary
1687	9106209	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
1817	9111620	I	New York City	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
1857	8835217	A	New York City	Passenger ship or cruise liner	Selected
1900	9134244	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
1906	9059638	A	Miami	Refrigerated cargo ship (including banana ships)	Supplementary
1915	9134256	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
1918	9142162	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
1919	9155133	A	Charleston	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
1951	9134270	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
1957	9134268	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
1966	9142198	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
1987	9134282	I	Norfolk	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2023	9166792	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2034	9082336	I	Charleston	Container ship, including open and closed container ships and refrigerated container ship:	Selected

2055	9235531	I	Norfolk	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2068	9181560	A	Baltimore	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized	Supplementary
2100	7437214	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2110	9082348	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2127	6605242	I	Kodiak	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c	Supplementary
2152	9214393	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2187	7507411	I	Jacksonville	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2222	9236494	A	Baltimore	Cable Ship	Selected
2274	9236509	A	Baltimore	Cable Ship	VOSClm
2657	9193252	A	Norfolk	Container ship, including open and closed container ships and refrigerated container ship:	Selected
2713	9245756	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2786	6621662	A	New York City	Large sailing vessel, including sail training vessels	Supplementary
2788	9242364	A	Baltimore	Cable Ship	Supplementary
2881	8842351	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c	Auxiliary
2932	9287900	A	Charleston	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2985	9226061	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Selected
2991	9280859	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
2997	9292230	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
3035	9228370	A	New York City	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
3047	9166704	A	Charleston	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized	Other
3129	9057123	A	New York City	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
3158	9231822	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
3164	9301782	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
3175	8964587	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
3209	9039016	A	Miami	General cargo with one or more holds	Supplementary
3213	9142186	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
3222	9055462	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
3226	9287912	I	Norfolk	Container ship, including open and closed container ships and refrigerated container ship:	Support Fleet
3265	9290103	A	Norfolk	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
3286	9189419	A	Anchorage	Passenger ship or cruise liner	Supplementary
3336	8007793	A	Houston	General cargo with one or more holds	VOSClm
3369	9141065	A	Jacksonville	Passenger ship or cruise liner	Supplementary
3397	8765503	I	Houston	Mobile installation, including mobile offshore drill ships, jack-up rigs, and semi-submersible:	Supplementary
3614	9218686	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
3768	9193264	A	Baltimore	Container ship, including open and closed container ships and refrigerated container ship:	Selected
4100	8110681	A	New Orleans	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	VOSClm
5677	9193240	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Selected
6428	7221251	I	Duluth	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
6636	9298686	A	Norfolk	Container ship, including open and closed container ships and refrigerated container ship:	VOSClm
7702	9293466	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
8299	9301794	I	New York City	NULL	Auxiliary
8408	9111644	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
8579	7404047	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
8580	9298698	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	VOSClm
8771	8302246	A	Houston	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	VOSClm
8773	9128532	A	Miami	Passenger ship or cruise liner	Selected

8773	9128532	A	Miami	Passenger ship or cruise liner	Selected
8786	9367188	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
8823	9111632	A	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
8907	9353565	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Selected
9099	9123192	I	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
9138	9353577	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Selected
9168	9244934	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
9218	9196852	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
9522	9306990	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
9587	9348687	A	Seattle	Container ship, including open and closed container ships and refrigerated container ship:	Selected
9594	9353589	A	Anchorage	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Selected
9835	7647560	I	Jacksonville	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
9844	7507394	A	Jacksonville	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
9886	9448425	A	Jacksonville	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized c	Selected
10249	9353606	A	Baltimore	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Supplementary
10262	9402639	I	Anchorage	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
10390	876842	I	New Orleans	Mobile installation, including mobile offshore drill ships, jack-up rigs, and semi-submersible:	Supplementary
10413	9301809	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
10523	9416991	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
10585	9418640	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
10655	9550266	A	New Orleans	Bulk carrier, including Ore/Bulk/Oil (OBO) carriers and Ore/Oil carrier:	Supplementary
10668	9365855	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
10685	9365843	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
10749	9469778	I	Charleston	General cargo with one or more holds	Supplementary
10791	9579016	I	Seattle	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c	Support Fleet
10840	9356713	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
10973	9365879	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
11047	9400124	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
11802	9428774	I	Baltimore	General cargo with one or more holds	Supplementary
11844	9431680	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
12328	9597537	A	Los Angeles	Container ship, including open and closed container ships and refrigerated container ship:	Selected
12387	9462067	I	New York City	Passenger ferry (carrying passengers only)	Auxiliary
12459	8023539	I	New Orleans	Research vessel	VOSCLim
12719	9365867	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
13313	9401063	I	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
13445	9397913	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
13456	9478585	A	New Orleans	General cargo with one or more holds	Supplementary
13486	9723241	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Auxiliary
13525	9566382	A	New York City	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
13591	9680853	A	Jacksonville	Container ship, including open and closed container ships and refrigerated container ship:	VOSCLim
13596	9292113	A	Houston	Liquid tanker, including oil product tankers, chemical tankers and crude oil tankers (including VLCC	Auxiliary
13736	9425186	A	New Orleans	General cargo with one or more holds	Supplementary
1679	9071557	A	New Orleans	Container ship, including open and closed container ships and refrigerated container ship:	Supplementary
2054	8813025	A	Jacksonville	General cargo with one or more holds	VOSCLim
2096	9107837	A	Anchorage	Tugs, including fire-fighting tugs, salvage tugs, pusher tugs, pilot vessels, gtenders, etc	Auxiliary
2764	8218926	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c	Auxiliary

2856	7609269	A	Anchorage	Fishing vessel, including purse seiners, long liners, etc., but excluding trawler:	Auxiliary
3411	8035269	A	Miami	Ro/Ro cargo ship for the carriage of road and /or rail vehicles and cargo, including containerized	Supplementary
3412	7506003	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
8668	NULL	I	Anchorage	Fishing vessel, including purse seiners, long liners, etc., but excluding trawler:	Auxiliary
8704	8966705	A	Anchorage	Support vessel, including offshore support vessel, offshore supply vessels, standby vessels, pope c:	Auxiliary
10245	NULL	I	Anchorage	Fishing vessel, including purse seiners, long liners, etc., but excluding trawler:	Auxiliary

<u>ship_id</u>	<u>imo_number</u>	<u>ob_automation</u>	<u>ob_frequency</u>	<u>wind_ob_practice</u>
8	8388607	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
14	8711344	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
20	5206362	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
58	7729461	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
183	7812567	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
200	5025691	Fully manual (no automation)	Eight observations per day (3 hour intervals)	Anemometer, true wind computed
206	7617905	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
227	7116315	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
237	5065392	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
239	5322518	Fully automated	Hourly observations	Anemometer, true wind computed
259	7320095	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
271	8892033	Always supplemented by manual input	Hourly observations	Anemometer, true wind computed
277	6710920	Occasionally supplemented by manual input	One observation per day (24 hour intervals)	Anemometer, true wind computed
280	7606061	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
314	8835619	Occasionally supplemented by manual input	One observation per day (24 hour intervals)	Anemometer, true wind computed
316	7423392	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
331	5173670	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
332	5148417	Occasionally supplemented by manual input	Hourly observations	Anemometer, true wind computed
341	7726495	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
348	5166768	Occasionally supplemented by manual input	Hourly observations	Anemometer, true wind computed
350	7390260	Occasionally supplemented by manual input	Hourly observations	Anemometer, true wind computed
354	7502320	Occasionally supplemented by manual input	Hourly observations	Anemometer, true wind computed
358	7802718	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
359	7408093	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
360	7738618	Always supplemented by manual input	Hourly observations	Anemometer, true wind computed
365	7318925	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
374	7321087	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
376	9271054	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
389	7602338	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
394	8841826	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
395	7390272	Occasionally supplemented by manual input	Hourly observations	Anemometer, true wind computed
412	7723821	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
416	9270335	Fully automated	Hourly observations	Anemometer, true wind computed
443	5277062	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
444	6711003	Always supplemented by manual input	Eight observations per day (3 hour intervals)	Anemometer, true wind computed
450	7367471	Fully manual (no automation)	Eight observations per day (3 hour intervals)	Anemometer, true wind computed
458	7502576	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
462	7821154	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
468	7224306	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
488	7726500	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
501	7502564	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
508	7366312	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
528	6421086	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
544	7390909	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
552	5389554	Occasionally supplemented by manual input	Hourly observations	Anemometer, true wind computed

554	7729057	Occasionally supplemented by manual input	Hourly observations	Anemometer, true wind computed
574	7816549	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
580	7907984	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
586	7932202	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
589	7907996	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
591	7908005	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
595	7366362	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
596	7923196	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
606	7366398	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
623	5294307	Always supplemented by manual input	Irregular observations	Anemometer, true wind computed
630	7514696	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
631	7105495	Occasionally supplemented by manual input	Hourly observations	Anemometer, true wind computed
632	7318901	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
634	7366403	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
663	7403990	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
691	7625952	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
717	8005109	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
741	5385625	Occasionally supplemented by manual input	Hourly observations	Anemometer, true wind computed
747	7326245	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
753	5097450	Fully manual (no automation)	Hourly observations	Anemometer, true wind computed
790	7506015	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
797	7620653	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
837	8220761	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
857	7505994	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
860	8420799	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
885	7514713	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
922	8419154	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
946	8419166	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
958	8419142	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
960	7334204	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
966	9158288	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
976	7222138	Fully manual (no automation)	Eight observations per day (3 hour intervals)	Anemometer, true wind computed
1007	9260469	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1076	8836273	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1145	9260457	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1211	8971138	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
1218	8900866	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1230	8814419	Fully manual (no automation)	Hourly observations	Anemometer, true wind computed
1234	7638454	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
1236	7626190	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1254	8635150	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1262	9002037	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1270	8835097	Occasionally supplemented by manual input	Hourly observations	Anemometer, true wind computed
1312	7367213	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1337	7514701	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1340	8120014	Fully automated	Hourly observations	Anemometer, true wind computed

1368	9035060	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1370	6520454	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1392	9059602	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1419	8919257	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1422	8711356	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1437	9041253	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1445	9051478	Always supplemented by manual input	Irregular observations	Anemometer, true wind computed
1454	8312215	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1510	9018658	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
1530	9053878	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1566	8215481	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1584	7047461	Fully manual (no automation)	Hourly observations	Anemometer, true wind computed
1632	9106182	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1656	9077123	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1656	9077123	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1663	9070620	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
1664	9070632	Fully manual (no automation)	Eight observations per day (3 hour intervals)	Anemometer, true wind computed
1666	9077276	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1686	9074547	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1709	9070058	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1777	1234	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1779	9075228	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
1791	9103128	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1839	9072446	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1840	9102992	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1840	9102992	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1842	9105798	Fully automated	Hourly observations	Anemometer, true wind computed
1852	9116577	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
1853	7501106	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1854	9116589	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
1865	9116618	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
1872	9102978	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1872	9102978	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1873	9143001	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1876	9116606	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
1879	9118721	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1890	9126297	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1892	9106302	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1893	9111802	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1904	9116864	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
1909	9074389	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1914	9155121	Always supplemented by manual input	Irregular observations	Anemometer, true wind computed
1929	9143025	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1930	5105831	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1932	NULL	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1940	8835255	Occasionally supplemented by manual input	Hourly observations	Anemometer, true wind computed

1943	9145205	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
1958	9142174	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1960	9007257	Always supplemented by manual input	Eight observations per day (3 hour intervals)	Anemometer, true wind computed
1969	9103130	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1973	9120877	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
1975	8707343	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
1977	9175925	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
1986	9056296	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2007	9120853	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
2008	9120865	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2014	7626217	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2026	9120841	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2028	9161716	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2029	9083380	Fully manual (no automation)	Hourly observations	Anemometer, true wind computed
2035	6704854	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2040	5153890	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2053	9181376	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
2064	9191319	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2065	9169158	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2079	7042851	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2080	7026998	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2081	7404102	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2085	7614082	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2086	7227384	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2090	8129503	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2093	8213249	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2095	7404097	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2097	9107849	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2099	9032953	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2113	9214898	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
2115	9010498	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2118	8516433	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2119	8700711	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2120	9010656	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2123	7367225	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2124	8513687	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2125	8606549	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2126	8852576	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2130	8851687	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
2131	7227358	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2138	7417367	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2143	9014078	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2144	9214903	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
2150	9193551	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2154	5033583	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2155	NULL	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed

2160	8036586	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
2165	9228136	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
2180	9118628	Fully manual (no automation)	Two observations per day (12 hour intervals]	Anemometer, true wind computed
2183	NULL	Fully manual (no automation)	Two observations per day (12 hour intervals]	Anemometer, true wind computed
2184	7802627	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2185	7509445	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2186	9189421	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2186	9189421	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2188	9178379	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2189	9178381	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2190	9214381	Fully manual (no automation)	Two observations per day (12 hour intervals]	Anemometer, true wind computed
2191	9214408	Fully manual (no automation)	Two observations per day (12 hour intervals]	Anemometer, true wind computed
2196	7638478	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2198	5408491	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2201	9195195	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
2205	7397658	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2206	5228827	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2213	9138850	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
2214	9156527	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
2230	9192387	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2230	9192387	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2232	NULL	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2233	7390143	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
2234	9223954	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2236	NULL	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2241	9180229	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
2243	5351052	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2248	9139830	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2249	7528817	Fully manual (no automation)	Two observations per day (12 hour intervals]	Anemometer, true wind computed
2253	7512002	Fully manual (no automation)	Two observations per day (12 hour intervals]	Anemometer, true wind computed
2255	9193563	Fully manual (no automation)	Eight observations per day (3 hour intervals]	Anemometer, true wind computed
2258	7502332	Fully manual (no automation)	Eight observations per day (3 hour intervals]	Anemometer, true wind computed
2266	5218183	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2268	7829778	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2269	9241310	Fully manual (no automation)	Two observations per day (12 hour intervals]	Anemometer, true wind computed
2272	7208431	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2276	7047708	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2283	9118630	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2290	9241322	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
2291	9226035	Fully manual (no automation)	One observation per day (24 hour intervals]	Anemometer, true wind computed
2295	7408081	Fully manual (no automation)	Two observations per day (12 hour intervals]	Anemometer, true wind computed
2296	9228148	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
2297	7929308	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
2423	8309830	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
2663	9241308	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
2670	9186792	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed

2672	9212802	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2677	9169160	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2679	9255062	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2680	9198355	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2682	9245768	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2683	9182954	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2684	5216458	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2685	7303877	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2686	9131371	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2689	9226047	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
2690	9229037	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2693	9243162	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2699	9241293	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2704	9258193	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2710	9168855	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2714	9232278	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2716	7902001	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2719	8867882	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2721	7119678	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2726	8218938	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2729	9206114	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2732	9219812	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2733	8411932	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2736	9244130	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2742	8962498	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2743	8967589	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2750	9232280	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2755	9241281	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2763	9198367	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2763	9198367	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2765	9260419	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2768	9129706	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2770	9249180	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2771	9259965	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2772	9126807	Fully manual (no automation)	Eight observations per day (3 hour intervals)	Anemometer, true wind computed
2774	7729526	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2780	9144926	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2787	8612134	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2791	9278753	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2804	7367160	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2811	9212797	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2815	9317664	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2823	7417317	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2826	7047239	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2827	7507409	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2829	9244063	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed

2833	7114068	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2840	9268538	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2852	8845767	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
2860	9244659	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2867	9271133	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2871	9221281	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2872	9188037	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2873	9156515	Fully manual (no automation)	Eight observations per day (3 hour intervals)	Anemometer, true wind computed
2883	9102291	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2888	9245483	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2889	9143037	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2890	9254654	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2899	9221279	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2901	9226891	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2901	9226891	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2902	8700280	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2906	8964719	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2908	9161728	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2909	7114288	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2910	9087489	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2912	7050030	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2930	9224532	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2948	9227039	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2954	9168843	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2955	9168879	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
2958	9131369	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
2978	9236389	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2981	8987931	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
2995	9198408	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
2998	9224726	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3006	9218662	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3015	9278492	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3036	9244661	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3044	7641384	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3057	9273674	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
3061	9295830	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3071	9116890	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3075	9237357	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3078	9188154	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3105	9196967	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
3112	7914236	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3113	7634226	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3117	9244673	Fully manual (no automation)	Hourly observations	Anemometer, true wind computed
3123	9243203	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3126	9290127	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3128	9213947	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed

3135	7604300	Fully automated	Hourly observations	Anemometer, true wind computed
3135	7604300	Fully automated	Hourly observations	Anemometer, true wind computed
3136	NULL	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3137	NULL	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3142	9168831	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3144	7433830	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3145	9300398	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
3152	9278181	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3154	8997845	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3155	9230115	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3166	7514684	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3181	9250660	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3182	9271432	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3183	9239795	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3187	NULL	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3197	8855463	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3199	9218131	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3200	8751667	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3207	9293648	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3225	9273686	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3235	9288875	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3236	9256468	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3237	0	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3238	8501567	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3249	8752415	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3250	8765515	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3254	9243186	Fully manual (no automation)	Eight observations per day (3 hour intervals)	Anemometer, true wind computed
3256	9243198	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3261	9305300	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3269	7367158	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3280	9333149	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3281	9308493	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3282	9317987	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3284	9274563	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3285	9282106	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3288	9304033	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3289	9228368	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3290	9300439	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3298	9249178	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3302	9228356	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3302	9228356	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3303	9330032	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3305	9116876	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3307	9351062	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3315	9318321	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3317	9127033	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed

3319	9238272	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3325	9137337	Always supplemented by manual input	Hourly observations	Anemometer, true wind computed
3327	9362190	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3328	9300427	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3330	9243174	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3331	9196955	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3333	7367146	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3343	9300441	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3344	9118147	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3345	9233466	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3347	9317406	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3348	9218650	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3349	9330604	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3350	9218399	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3352	9295000	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3354	9305635	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3357	9330599	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3361	9209221	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3363	9304057	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3364	7513343	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3372	9304045	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3388	7826908	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3389	9200940	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3393	9301811	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3399	9265809	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3407	7390210	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3409	6407834	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3413	9227508	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3413	9227508	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3418	8617445	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3419	9168867	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
3422	9289491	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3423	9195157	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3430	9167227	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3430	9167227	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3431	9265873	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
3432	9342281	Fully manual (no automation)	Eight observations per day (3 hour intervals)	Anemometer, true wind computed
3478	9224312	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3482	NULL	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
3491	8754140	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3617	9218674	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3735	9250892	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
3916	9229348	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
4027	9121273	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
4133	9182942	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
4247	9265885	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed

4439	9249295	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
4634	8420787	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
4703	9182930	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
4782	9160803	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
4785	9218387	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
4901	9197002	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
4940	9210218	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
4994	9210725	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
5778	9074078	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
5824	9242352	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
5931	9253064	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
5977	9243667	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
6024	9205885	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
6108	9064126	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
6134	9303546	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
6208	9117739	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
6246	9192167	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
6385	7910216	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
6398	8006323	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
6413	7413218	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
6440	6805531	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
6456	7423093	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
6465	8002432	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
6712	6800919	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
7718	9177428	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
7726	9317418	Always supplemented by manual input	Irregular observations	Anemometer, true wind computed
7781	9210139	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
7979	9343481	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
8072	9302097	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8106	9272383	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
8339	9303558	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8372	9182928	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8426	9250725	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8436	9305312	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8439	9332066	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
8564	9353527	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8578	9226633	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
8628	9253856	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8654	9355733	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8658	9300465	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
8660	9216717	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8660	9216717	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8662	9205665	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
8670	9353539	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8671	9283681	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
8679	9311256	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed

8681	9343510	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
8684	9111319	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8684	9111319	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8685	9323077	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
8686	9129940	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8687	9010137	Occasionally supplemented by manual input	Hourly observations	Anemometer, true wind computed
8687	9010137	Occasionally supplemented by manual input	Hourly observations	Anemometer, true wind computed
8688	9237345	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
8689	9239783	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
8691	8835114	Occasionally supplemented by manual input	Hourly observations	Anemometer, true wind computed
8691	8835114	Occasionally supplemented by manual input	Hourly observations	Anemometer, true wind computed
8696	9302970	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
8701	8807997	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8703	9369394	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8705	9309021	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8710	9329409	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
8711	9267417	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
8715	9356074	Fully manual (no automation)	NULL	Anemometer, true wind computed
8716	9346122	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8717	9333163	Fully manual (no automation)	Two observations per day (12 hour intervals]	Anemometer, true wind computed
8718	9349681	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8718	9349681	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8720	9070448	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8722	9339818	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8726	7433799	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
8730	9272735	Fully manual (no automation)	Two observations per day (12 hour intervals]	Anemometer, true wind computed
8734	9307047	Fully manual (no automation)	Two observations per day (12 hour intervals]	Anemometer, true wind computed
8735	9260421	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8736	9265861	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8742	9230050	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8744	9346134	Fully manual (no automation)	Two observations per day (12 hour intervals]	Anemometer, true wind computed
8745	9287455	Fully manual (no automation)	Two observations per day (12 hour intervals]	Anemometer, true wind computed
8746	9325685	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8750	9378448	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
8754	NULL	Fully automated	Hourly observations	Anemometer, true wind computed
8756	9380805	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8759	9331555	Fully manual (no automation)	Two observations per day (12 hour intervals]	Anemometer, true wind computed
8760	9360879	Fully manual (no automation)	Two observations per day (12 hour intervals]	Anemometer, true wind computed
8763	NULL	Always supplemented by manual input	Eight observations per day (3 hour intervals]	Anemometer, true wind computed
8764	9265548	Fully manual (no automation)	Two observations per day (12 hour intervals]	Anemometer, true wind computed
8774	7603617	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8779	9322255	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8780	9239616	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8781	9361079	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8795	9332547	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed
8801	9238636	Fully manual (no automation)	Four observations per day (6 hour intervals]	Anemometer, true wind computed

8802	9300477	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
8805	7367172	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
8806	9362530	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8806	9362530	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8809	9239484	Fully manual (no automation)	NULL	Anemometer, true wind computed
8817	9353553	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8818	9267950	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
8820	9252539	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8821	9246621	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8828	9360336	Fully manual (no automation)	NULL	Anemometer, true wind computed
8841	9355135	Fully manual (no automation)	Eight observations per day (3 hour intervals)	Anemometer, true wind computed
8843	9199828	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8845	9281009	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8847	9126819	Fully manual (no automation)	Eight observations per day (3 hour intervals)	Anemometer, true wind computed
8850	9386122	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8900	9374284	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8918	9407562	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8961	9359038	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8971	9386304	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8979	9260445	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
8998	9386299	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9011	9300386	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
9019	9359014	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
9023	9418729	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
9042	9346029	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
9042	9346029	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
9058	9378474	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9059	9371062	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9060	9354911	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9068	9409936	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9079	9377236	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9123	9265794	Always supplemented by manual input	Irregular observations	Anemometer, true wind computed
9134	9259276	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
9137	NULL	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9161	9398905	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9166	9398228	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9179	9271145	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9183	7940467	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9191	9337511	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9197	9247144	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9200	9377248	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
9201	9407122	Fully manual (no automation)	Eight observations per day (3 hour intervals)	Anemometer, true wind computed
9202	9377224	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9204	NULL	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9219	9161259	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9240	9349071	Always supplemented by manual input	Hourly observations	Anemometer, true wind computed

9258	9398395	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9262	9502489	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
9263	9502491	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9274	9398436	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9278	742108	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9288	9443580	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9316	9383936	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9331	9413004	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9382	9292565	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9388	9359052	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9390	9176022	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9416	9395501	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9427	9414163	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9447	9260902	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9457	9321809	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9464	9250907	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
9492	9437385	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9509	9330812	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
9553	9412995	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9557	9417000	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9588	9404314	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9588	9404314	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9695	9267209	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9696	9271614	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9712	9144914	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9715	9416848	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
9777	9361251	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
9780	9398216	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9818	9360453	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9820	9536129	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
9825	9156474	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9837	7726536	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9838	7397660	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9839	7726512	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9842	7390894	Always supplemented by manual input	Irregular observations	Anemometer, true wind computed
9845	7726524	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9846	7507370	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9849	9361249	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9869	9508392	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
9884	9474137	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
9890	9444819	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
9926	9378450	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9942	9588299	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
9949	7512052	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9959	9387334	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
9960	9410959	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed

9969	9425526	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
9994	9396139	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
9998	9396153	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
10004	9396141	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10006	9418731	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
10016	9431824	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10027	9383948	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10027	9383948	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10028	NULL	Fully automated	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10073	9432218	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10081	9314064	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
10083	9332212	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
10088	9492335	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10090	9450727	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
10120	9199622	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
10121	9403322	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
10124	9287297	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
10135	9332315	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
10181	8504882	Always supplemented by manual input	Irregular observations	Anemometer, true wind computed
10183	9434254	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
10192	9333632	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10195	9367413	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10197	9388431	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
10226	9313266	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10237	8635227	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
10238	8505850	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
10260	9519767	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
10295	9365829	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10305	9564384	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10311	9469015	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
10312	9591741	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10315	9425875	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
10339	9451094	Fully manual (no automation)	Eight observations per day (3 hour intervals)	Anemometer, true wind computed
10341	NULL	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
10395	9499917	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10399	9500625	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
10426	9422067	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
10453	9303845	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10508	8003292	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10513	9483126	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
10525	9506722	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10535	9587893	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
10563	9378486	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10573	8856168	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
10608	9464326	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10656	9257802	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed

10670	8306292	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
10672	9398424	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
10705	9395496	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10790	9572329	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10820	9365831	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10832	9437335	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10842	9445590	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
10848	9434905	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10853	9389643	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10867	9479864	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10881	9555723	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
10908	9487964	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10909	9419644	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
10949	9650597	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
10982	9270127	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
11050	9424912	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11100	9332999	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11104	9333008	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11141	9359674	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
11258	9422512	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11402	9593426	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11452	9471862	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11457	9506459	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
11457	9506459	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
11461	9419668	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
11474	9178331	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11479	9417012	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11480	9417024	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11498	9422201	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11503	9422196	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11504	9593866	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11509	9417892	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
11513	9435909	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11516	9360465	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11546	9476977	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11548	9613836	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
11601	9554004	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
11649	9451460	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
11666	9253076	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
11700	9593878	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
11720	9644483	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11728	9593919	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11731	9606912	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11753	9578945	Fully automated	Hourly observations	Anemometer, true wind computed
11800	9333034	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11801	9591674	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed

11806	9332975	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11855	9591131	Fully manual (no automation)	Eight observations per day (3 hour intervals)	Anemometer, true wind computed
11869	9348649	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11909	9348651	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11917	9332987	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11927	9342176	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11966	9609407	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
11971	9259680	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12008	9624093	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12012	9583720	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
12031	9558402	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12034	9604093	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12050	9572331	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12075	9667447	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12079	9607136	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12109	9623336	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12111	9575668	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
12113	9600657	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12118	9532513	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12147	9631682	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12155	9593907	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
12157	9380764	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12158	9644495	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12170	9606821	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12181	9606924	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12217	9597513	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12495	9595527	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12500	9595486	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12508	8800195	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind computed
12519	9595462	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
12521	9595515	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12544	9629043	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12578	9629079	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12647	9675406	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12695	9333010	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12709	9629031	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12710	9549463	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12842	9675391	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
12867	9595450	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
13004	9491900	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
13078	9333022	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
13093	9471226	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
13258	9665281	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
13336	9697832	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
13365	9685322	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
13404	9613941	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed

13443	9680841	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
13518	9355513	Fully manual (no automation)	Irregular observations	Anemometer, true wind computed
13669	9604110	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
13714	9453987	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
13715	9656101	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind computed
13743	9595498	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
13783	9426207	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
13804	9670585	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
13824	9595436	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind computed
13929	9629122	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind computed
50	8109668	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
72	7729459	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
166	5264510	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
188	8121795	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
228	7617890	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
367	7390155	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
393	7738591	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind manual
409	6728068	Occasionally supplemented by manual input	Hourly observations	Anemometer, true wind manual
526	7225855	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
558	9302102	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind manual
597	7329314	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
615	6806444	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
904	9260433	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
977	5097187	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
1246	NULL	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
1409	9059614	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
1446	9059640	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
1543	8901406	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
1622	9074391	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
1623	9074535	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
1636	9059626	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
1662	8819512	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
1687	9106209	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind manual
1817	9111620	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
1857	8835217	Fully manual (no automation)	Eight observations per day (3 hour intervals)	Anemometer, true wind manual
1900	9134244	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind manual
1906	9059638	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
1915	9134256	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind manual
1918	9142162	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
1919	9155133	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
1951	9134270	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
1957	9134268	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
1966	9142198	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind manual
1987	9134282	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
2023	9166792	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
2034	9082336	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual

2055	9235531	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
2068	9181560	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
2100	7437214	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
2110	9082348	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
2127	6605242	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind manual
2152	9214393	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind manual
2187	7507411	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
2222	9236494	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
2274	9236509	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
2657	9193252	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
2713	9245756	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
2786	6621662	Fully manual (no automation)	Eight observations per day (3 hour intervals)	Anemometer, true wind manual
2788	9242364	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind manual
2881	8842351	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
2932	9287900	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
2985	9226061	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind manual
2991	9280859	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
2997	9292230	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
3035	9228370	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind manual
3047	9166704	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
3129	9057123	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
3158	9231822	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind manual
3164	9301782	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
3175	8964587	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
3209	9039016	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
3213	9142186	Fully manual (no automation)	Eight observations per day (3 hour intervals)	Anemometer, true wind manual
3222	9055462	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind manual
3226	9287912	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
3265	9290103	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
3286	9189419	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
3336	8007793	Fully manual (no automation)	Eight observations per day (3 hour intervals)	Anemometer, true wind manual
3369	9141065	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
3397	8765503	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
3614	9218686	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
3768	9193264	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
4100	8110681	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
5677	9193240	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
6428	7221251	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
6636	9298686	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
7702	9293466	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
8299	9301794	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
8408	9111644	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
8579	7404047	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
8580	9298698	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
8771	8302246	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
8773	9128532	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual

8773	9128532	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
8786	9367188	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
8823	9111632	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
8907	9353565	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
9099	9123192	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind manual
9138	9353577	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
9168	9244934	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
9218	9196852	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind manual
9522	9306990	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
9587	9348687	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
9594	9353589	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind manual
9835	7647560	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind manual
9844	7507394	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
9886	9448425	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
10249	9353606	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
10262	9402639	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind manual
10390	876842	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
10413	9301809	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
10523	9416991	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
10585	9418640	Always supplemented by manual input	Four observations per day (6 hour intervals)	Anemometer, true wind manual
10655	9550266	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind manual
10668	9365855	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
10685	9365843	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
10749	9469778	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
10791	9579016	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
10840	9356713	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
10973	9365879	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
11047	9400124	Fully manual (no automation)	Irregular observations	Anemometer, true wind manual
11802	9428774	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
11844	9431680	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
12328	9597537	Fully manual (no automation)	One observation per day (24 hour intervals)	Anemometer, true wind manual
12387	9462067	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
12459	8023539	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
12719	9365867	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
13313	9401063	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
13445	9397913	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
13456	9478585	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind manual
13486	9723241	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind manual
13525	9566382	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
13591	9680853	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
13596	9292113	Fully manual (no automation)	Four observations per day (6 hour intervals)	Anemometer, true wind manual
13736	9425186	Fully manual (no automation)	Two observations per day (12 hour intervals)	Anemometer, true wind manual
1679	9071557	Fully manual (no automation)	Four observations per day (6 hour intervals)	Visual estimates (sea state)
2054	8813025	Fully manual (no automation)	Four observations per day (6 hour intervals)	Visual estimates (sea state)
2096	9107837	Fully manual (no automation)	Four observations per day (6 hour intervals)	Visual estimates (sea state)
2764	8218926	Fully manual (no automation)	One observation per day (24 hour intervals)	Visual estimates (sea state)

2856	7609269	Fully manual (no automation)	Irregular observations	Visual estimates (sea state)
3411	8035269	Fully manual (no automation)	Four observations per day (6 hour intervals)	Visual estimates (sea state)
3412	7506003	Fully manual (no automation)	Irregular observations	Visual estimates (sea state)
8668	NULL	Fully manual (no automation)	Irregular observations	Visual estimates (sea state)
8704	8966705	Fully manual (no automation)	Irregular observations	Visual estimates (sea state)
10245	NULL	Fully manual (no automation)	Irregular observations	Visual estimates (sea state)

<u>ship_id</u>	<u>imo_number</u>	<u>wind_ob_practice_footnote</u>	<u>windwave_ob_height</u>	<u>anemometer_make_model</u>
8	8388607	NULL	NULL	NULL
14	8711344	NULL	25	RM Young
20	5206362	NULL	15	RM YOUNG ELECTRONIC
58	7729461	NULL	33	young wind tracker
183	7812567	NULL	32	RM Young
200	5025691	NULL	18	RM YOUNG ELECTRONIC
206	7617905	NULL	27	Furuno
227	7116315	NULL	26.8	RM Young
237	5065392	NULL	25	RM YOUNG ELECTRONIC
239	5322518	NULL	23	RM YOUNG ELECTRONIC
259	7320095	NULL	20	NULL
271	8892033	NULL	9.7	NULL
277	6710920	NULL	15	young wind tracker
280	7606061	NULL	27	RM YOUNG ELECTRONIC
314	8835619	NULL	17	NULL
316	7423392	NULL	25	RM YOUNG ELECTRONIC
331	5173670	NULL	20	RM YOUNG ELECTRONIC
332	5148417	NULL	25	RM YOUNG ELECTRONIC
341	7726495	NULL	12	NULL
348	5166768	NULL	15	NULL
350	7390260	NULL	28	RM YOUNG ELECTRONIC
354	7502320	NULL	28	RM Young - Wind Tracker
358	7802718	NULL	24	NULL
359	7408093	NULL	27	NULL
360	7738618	NULL	13.5	R M Young
365	7318925	NULL	21	NULL
374	7321087	NULL	26	NULL
376	9271054	NULL	20	RM Young - Wind Tracker
389	7602338	NULL	26	RM Young
394	8841826	NULL	10	NULL
395	7390272	NULL	30	RM Young
412	7723821	NULL	13	NULL
416	9270335	NULL	14	NULL
443	5277062	NULL	15	RM YOUNG ELECTRONIC
444	6711003	NULL	20	Furuno AIRMAR PB100
450	7367471	NULL	30	RM Young
458	7502576	NULL	10	NULL
462	7821154	NULL	23	Bendix Friez 135 Aerovane
468	7224306	NULL	33	NULL
488	7726500	NULL	6.5	Furuno
501	7502564	NULL	9	NULL
508	7366312	NULL	33	RM Young Wind Tracker
528	6421086	NULL	15	NULL
544	7390909	NULL	12	NULL
552	5389554	NULL	15	RM YOUNG ELECTRONIC

554	7729057	NULL	28	RM YOUNG ELECTRONIC
574	7816549	NULL	27.4	Airmar Weathercaster
580	7907984	NULL	25	RM Young
586	7932202	NULL	24	NULL
589	7907996	NULL	33	NULL
591	7908005	NULL	29.5	Young
595	7366362	NULL	23	RM YOUNG ELECTRONIC
596	7923196	NULL	28	RM Young
606	7366398	NULL	23	RM YOUNG ELECTRONIC
623	5294307	NULL	27	RM YOUNG ELECTRONIC
630	7514696	NULL	27	RM YOUNG ELECTRONIC
631	7105495	NULL	21	RM YOUNG ELECTRONIC
632	7318901	NULL	21	RM YOUNG ELECTRONIC
634	7366403	NULL	10	RM YOUNG ELECTRONIC
663	7403990	NULL	25	NULL
691	7625952	TRUE WINDS ARE COMPUTER THROUGH NAV COMPUTER	27	RM Young
717	8005109	NULL	32	NULL
741	5385625	NULL	11	RM YOUNG ELECTRONIC
747	7326245	NULL	27	RM YOUNG ELECTRONIC
753	5097450	NULL	20	RM YOUNG ELECTRONIC
790	7506015	NULL	25	R.M. Young
797	7620653	NULL	23	RM Young
837	8220761	NULL	19.8	NULL
857	7505994	NULL	6	Furno
860	8420799	NULL	21.5	NIPPON
885	7514713	NULL	25	RM Young
922	8419154	NULL	29	NULL
946	8419166	NULL	29	NULL
958	8419142	NULL	29	NULL
960	7334204	NULL	33	NULL
966	9158288	NULL	33.9	OSAKA NUNOTANI SEIKI
976	7222138	NULL	15	RM YOUNG ELECTRONIC
1007	9260469	NULL	38	DEIF Ultrasonic
1076	8836273	NULL	14	NULL
1145	9260457	NULL	41	unknown
1211	8971138	NULL	18	NULL
1218	8900866	NULL	17	Furuno
1230	8814419	NULL	18	Young
1234	7638454	NULL	9	NULL
1236	7626190	NULL	11	NULL
1254	8635150	NULL	8	NULL
1262	9002037	NULL	33	NULL
1270	8835097	NULL	16	NULL
1312	7367213	NULL	13	NULL
1337	7514701	NULL	25	RM YOUNG ELECTRONIC
1340	8120014	NULL	17	NULL

1368	9035060	NULL	30	NULL
1370	6520454	NULL	10	RM YOUNG ELECTRONIC
1392	9059602	NULL	29.7	JDC Instrument
1419	8919257	NULL	26	RM young Model 06206
1422	8711356	NULL	27	Unknown
1437	9041253	NULL	28.5	RM Young
1445	9051478	NULL	34	NULL
1454	8312215	NULL	25	Osaka Nunotani
1510	9018658	NULL	20	NULL
1530	9053878	NULL	30	R.M. Young 06206
1566	8215481	NULL	NULL	walker
1584	7047461	NULL	5	NULL
1632	9106182	NULL	33	young wind tracker
1656	9077123	NULL	33	Malling Deif
1656	9077123	NULL	33	Malling Deif
1663	9070620	NULL	31	NULL
1664	9070632	NULL	27	R.M. Young Company
1666	9077276	NULL	33	NULL
1686	9074547	NULL	33	Young wind tracker
1709	9070058	NULL	31	Thies Clima
1777	1234	NULL	2	NULL
1779	9075228	NULL	22	NULL
1791	9103128	NULL	24.4	Nippon Electric Instruments
1839	9072446	NULL	33	WEMPE
1840	9102992	NULL	25	Thies Clima
1840	9102992	NULL	25	Thies Clima
1842	9105798	NULL	13	NULL
1852	9116577	NULL	28	Nei
1853	7501106	NULL	18	RM YOUNG ELECTRONIC
1854	9116589	NULL	35	Nei
1865	9116618	NULL	28	Seiki
1872	9102978	NULL	26.4	MALLING WIND MEASURING SYSTEM TYPE 879.3B
1872	9102978	NULL	26.4	MALLING WIND MEASURING SYSTEM TYPE 879.3B
1873	9143001	NULL	33	Nippon electric equipment
1876	9116606	NULL	28	Nei
1879	9118721	NULL	24	Theis Clima
1890	9126297	NULL	27	NULL
1892	9106302	NULL	26	NULL
1893	9111802	NULL	27	RM Young
1904	9116864	NULL	29	NULL
1909	9074389	NULL	NULL	Young wind tracker
1914	9155121	NULL	30	NULL
1929	9143025	NULL	33	NULL
1930	5105831	NULL	NULL	RM YOUNG ELECTRONIC
1932	NULL	NULL	14	RM Young
1940	8835255	NULL	12	RM Young 5106

1943	9145205	NULL	19	NULL
1958	9142174	NULL	30	DEM6 Tianjin
1960	9007257	NULL	20	NULL
1969	9103130	NULL	NULL	NULL
1973	9120877	NULL	28	Thies Clima - STN Atlas Elektronik
1975	8707343	NULL	22	NULL
1977	9175925	NULL	32	Furuno
1986	9056296	NULL	27	NEI N-162A
2007	9120853	NULL	30	NULL
2008	9120865	NULL	28	Furuno
2014	7626217	NULL	13	NULL
2026	9120841	NULL	32	Young
2028	9161716	NULL	26	NULL
2029	9083380	NULL	26	RM YOUNG 0901, 85004
2035	6704854	NULL	19	NULL
2040	5153890	NULL	16	NULL
2053	9181376	NULL	33	NEI N-162A
2064	9191319	NULL	33	RM Young
2065	9169158	NULL	33	OSAKA NUNOTANI SEKI
2079	7042851	NULL	11	NULL
2080	7026998	NULL	12	NULL
2081	7404102	NULL	12	NULL
2085	7614082	NULL	13	NULL
2086	7227384	NULL	11	NULL
2090	8129503	NULL	7	NULL
2093	8213249	NULL	18	NULL
2095	7404097	NULL	13	NULL
2097	9107849	NULL	12	NULL
2099	9032953	NULL	12	NULL
2113	9214898	NULL	33	NULL
2115	9010498	NULL	17	NULL
2118	8516433	NULL	11	NULL
2119	8700711	NULL	11	NULL
2120	9010656	NULL	13	NULL
2123	7367225	NULL	12	NULL
2124	8513687	NULL	10	NULL
2125	8606549	NULL	10	NULL
2126	8852576	NULL	12	NULL
2130	8851687	NULL	11	NULL
2131	7227358	NULL	13	NULL
2138	7417367	NULL	8	NULL
2143	9014078	NULL	25	NULL
2144	9214903	NULL	33	Furuno
2150	9193551	NULL	27	RM Young
2154	5033583	NULL	25	RM YOUNG ELECTRONIC
2155	NULL	NULL	12	NULL

2160	8036586	NULL	11	Furuno
2165	9228136	NULL	20	NULL
2180	9118628	NULL	29	NULL
2183	NULL	NULL	9	NULL
2184	7802627	NULL	11	NULL
2185	7509445	NULL	13	NULL
2186	9189421	NULL	29	Thies Clima
2186	9189421	NULL	29	Thies Clima
2188	9178379	NULL	14	NULL
2189	9178381	NULL	12	NULL
2190	9214381	NULL	13	NULL
2191	9214408	NULL	10	NULL
2196	7638478	NULL	13	NULL
2198	5408491	NULL	18	NULL
2201	9195195	NULL	26	NULL
2205	7397658	NULL	8	Furuno
2206	5228827	NULL	22	NULL
2213	9138850	NULL	35	RM Young
2214	9156527	NULL	25.8	Thies Clima
2230	9192387	NULL	28.5	R.M. Young 06206
2230	9192387	NULL	28.5	R.M. Young 06206
2232	NULL	NULL	20	NULL
2233	7390143	NULL	35.9	KOSHIN DENKI KOGYO CO.LTD, ANEMOSCOPE TYPE KA-101
2234	9223954	NULL	27	RM Young
2236	NULL	NULL	8	NULL
2241	9180229	NULL	NULL	NULL
2243	5351052	NULL	22	NULL
2248	9139830	NULL	13	NULL
2249	7528817	NULL	13	NULL
2253	7512002	NULL	10	NULL
2255	9193563	NULL	28	NULL
2258	7502332	NULL	17	NULL
2266	5218183	NULL	18	NULL
2268	7829778	NULL	12	NULL
2269	9241310	NULL	28	Young
2272	7208431	NULL	19	NULL
2276	7047708	NULL	13	NULL
2283	9118630	NULL	24	NULL
2290	9241322	NULL	NULL	NULL
2291	9226035	NULL	26	NULL
2295	7408081	NULL	32	NULL
2296	9228148	NULL	18.3	Nunotani Nautical Instruments Model OS054
2297	7929308	NULL	18.3	NULL
2423	8309830	NULL	32	Observatory Instruments OMC150
2663	9241308	NULL	33	Young
2670	9186792	NULL	17.3	Observatory Instruments OMC 160

2672	9212802	NULL	17.1	Observatory Instruments OMC 160
2677	9169160	NULL	32	Young
2679	9255062	NULL	26	Furuno
2680	9198355	NULL	27	Thies Clima
2682	9245768	NULL	40	Furuno FAX-214
2683	9182954	NULL	25	Nippon Electric Instruments Model N53
2684	5216458	NULL	18	NULL
2685	7303877	NULL	32	RM Young
2686	9131371	NULL	26.5	RM Young Model 05106
2689	9226047	NULL	27	RM Young
2690	9229037	NULL	15	NULL
2693	9243162	NULL	31	RM Young Model 06206 Marine Wind tracker
2699	9241293	NULL	28	Young
2704	9258193	NULL	16.5	Thies Clima Combined Model 4.3223
2710	9168855	NULL	28	NULL
2714	9232278	NULL	28	RM YOUNG
2716	7902001	NULL	17	NULL
2719	8867882	NULL	10	NULL
2721	7119678	NULL	9	NULL
2726	8218938	NULL	12	NULL
2729	9206114	NULL	27	NULL
2732	9219812	NULL	7.5	RM Young
2733	8411932	NULL	14	NULL
2736	9244130	NULL	23	NULL
2742	8962498	NULL	9	NULL
2743	8967589	NULL	13	NULL
2750	9232280	NULL	33	RM YOUNG
2755	9241281	NULL	33	nippon electronic equipment (NEI)
2763	9198367	NULL	28.9	Thies Clima
2763	9198367	NULL	28.9	Thies Clima
2765	9260419	NULL	41	unknown
2768	9129706	NULL	33	RM Young
2770	9249180	NULL	28	NULL
2771	9259965	NULL	17	NULL
2772	9126807	NULL	25	RM Young
2774	7729526	NULL	12	NULL
2780	9144926	NULL	NULL	NULL
2787	8612134	NULL	33.3	NULL
2791	9278753	NULL	17.5	NULL
2804	7367160	NULL	9	NULL
2811	9212797	NULL	17.1	Observatory Instruments OMC160
2815	9317664	NULL	12	NULL
2823	7417317	NULL	15	NULL
2826	7047239	NULL	13	NULL
2827	7507409	NULL	12	NULL
2829	9244063	NULL	27	NULL

2833	7114068	NULL	10	NULL
2840	9268538	NULL	33	NULL
2852	8845767	NULL	15	NULL
2860	9244659	NULL	25	NULL
2867	9271133	NULL	NULL	RM YOUNG ELECTRONIC
2871	9221281	NULL	36	Thies Clima
2872	9188037	NULL	25.7	NULL
2873	9156515	NULL	24	Thies Clima
2883	9102291	NULL	26	NULL
2888	9245483	NULL	9	NULL
2889	9143037	NULL	33	NULL
2890	9254654	NULL	26	Nippon Electric Instruments Model MM52F
2899	9221279	NULL	36	Thies Clima
2901	9226891	NULL	29	Adolf Thies GMBH & CO KG
2901	9226891	NULL	29	Adolf Thies GMBH & CO KG
2902	8700280	NULL	23.2	Thies Clima
2906	8964719	NULL	10	NULL
2908	9161728	NULL	41	NULL
2909	7114288	NULL	12	NULL
2910	9087489	NULL	30	NULL
2912	7050030	NULL	14	NULL
2930	9224532	NULL	30	DEM6 Tianjin
2948	9227039	NULL	29	NULL
2954	9168843	NULL	46	Osaka Nunotani Seiki Co., Ltd.
2955	9168879	NULL	30	NULL
2958	9131369	NULL	33	RM YOUNG
2978	9236389	NULL	28	The is Clima
2981	8987931	NULL	12	NULL
2995	9198408	NULL	14	NULL
2998	9224726	NULL	30	NULL
3006	9218662	NULL	34	RM Young
3015	9278492	NULL	29.5	Daeyang
3036	9244661	NULL	30	NULL
3044	7641384	NULL	12	NULL
3057	9273674	NULL	33	young wind tracker
3061	9295830	NULL	28	DAEYANG
3071	9116890	NULL	31	RM Young
3075	9237357	NULL	26.4	Young
3078	9188154	NULL	31	NULL
3105	9196967	NULL	30	NULL
3112	7914236	NULL	25	RM YOUNG ELECTRONIC
3113	7634226	NULL	25	RM YOUNG ELECTRONIC
3117	9244673	NULL	35	NULL
3123	9243203	NULL	30.8	DEIF Malling
3126	9290127	NULL	33	NULL
3128	9213947	NULL	16.5	TheisClimaCombined

3135	7604300	NULL	12	R.M. Young model 5103
3135	7604300	NULL	12	R.M. Young model 5103
3136	NULL	NULL	12	NULL
3137	NULL	NULL	12	NULL
3142	9168831	NULL	28	young
3144	7433830	NULL	14	Belfort F420C
3145	9300398	NULL	33	Nei
3152	9278181	NULL	28	R.M. Young 05106 06206
3154	8997845	NULL	16	NULL
3155	9230115	NULL	27	NULL
3166	7514684	NULL	32	RM YOUNG ELECTRONIC
3181	9250660	NULL	27	NULL
3182	9271432	NULL	30	NULL
3183	9239795	NULL	36	NULL
3187	NULL	NULL	13	NULL
3197	8855463	NULL	18	NULL
3199	9218131	NULL	32	RM Young
3200	8751667	NULL	21	RM Young
3207	9293648	NULL	33	NIPPON
3225	9273686	NULL	NULL	NULL
3235	9288875	NULL	47	NULL
3236	9256468	NULL	35.2	R.M.Young, wind tracker, model: 06206
3237	0	NULL	14	NULL
3238	8501567	NULL	33	NULL
3249	8752415	NULL	19	Observatory Instruments OMC160
3250	8765515	NULL	NULL	NULL
3254	9243186	NULL	31	RM Young Model 06206 Marine Wind Tracker
3256	9243198	NULL	31	RM Young Model 06206 Marine Wind Tracker
3261	9305300	NULL	32	NULL
3269	7367158	NULL	15	NULL
3280	9333149	NULL	27	Adolf Thies GMBH & CO KG 4.336.31.001
3281	9308493	NULL	30	NULL
3282	9317987	NULL	28.5	Daeyang Instrument Co. Ltd. Flush Type
3284	9274563	NULL	28.4	NULL
3285	9282106	NULL	26	Nippon Electric Instruments, MM 52 RF
3288	9304033	NULL	30	NULL
3289	9228368	NULL	9	NULL
3290	9300439	NULL	37	NULL
3298	9249178	NULL	11	NULL
3302	9228356	NULL	27	R.M. Young 05106
3302	9228356	NULL	27	R.M. Young 05106
3303	9330032	NULL	28	R.M. Young 0510606206
3305	9116876	NULL	26	R.M. Young 05106 06206
3307	9351062	NULL	32	NULL
3315	9318321	NULL	24.2	NULL
3317	9127033	NULL	27	NULL

3319	9238272	NULL	29	NULL
3325	9137337	NULL	15	NULL
3327	9362190	NULL	26.8	OSAKA NUNOTANI SEIKI CO.LTD TYPE/21EL SCD
3328	9300427	NULL	40	NULL
3330	9243174	NULL	31	RM Young Model 06206 Marine Wind Tracker
3331	9196955	NULL	45.9	N 363 / NIPPON ELECTRIC INSTRUMENT INC
3333	7367146	NULL	10	NULL
3343	9300441	NULL	33	nippon electronic equipment (NEI)
3344	9118147	NULL	24	NULL
3345	9233466	NULL	27	NULL
3347	9317406	NULL	28	NULL
3348	9218650	NULL	33	young wind tracker
3349	9330604	NULL	30	Young Type-05106 Wind Monitor - M1
3350	9218399	NULL	31.8	NULL
3352	9295000	NULL	47	NIPPON ELECTRONIC INSTRUMENTS INC.
3354	9305635	NULL	35	NULL
3357	9330599	NULL	30	NULL
3361	9209221	NULL	30	ECDIS system by SAM Electronics
3363	9304057	NULL	25	WENTO-IND
3364	7513343	NULL	11	NULL
3372	9304045	NULL	30	RM Young
3388	7826908	NULL	11	NULL
3389	9200940	NULL	25	NULL
3393	9301811	NULL	29	NULL
3399	9265809	NULL	20	NULL
3407	7390210	NULL	18	RM YOUNG ELECTRONIC
3409	6407834	NULL	12	NULL
3413	9227508	NULL	31	RM Young Model 05106
3413	9227508	NULL	31	R.M. Young 05106 06206
3418	8617445	NULL	16	NULL
3419	9168867	NULL	26	Nei
3422	9289491	NULL	34	RM Young
3423	9195157	NULL	31	SAM ELECTRONICS (CHARTPILOT 9330)
3430	9167227	NULL	31	R.M. Young Model 85106
3430	9167227	NULL	31	R.M. Young Model 03106
3431	9265873	NULL	26	NULL
3432	9342281	NULL	32	Lambrecht Weather Station
3478	9224312	NULL	32.8	NULL
3482	NULL	NULL	12	NULL
3491	8754140	NULL	59	NULL
3617	9218674	NULL	33	Young
3735	9250892	NULL	33	Osaka Nunotani Seiki Co Ltd Type 21EL
3916	9229348	NULL	45	NULL
4027	9121273	NULL	40	NULL
4133	9182942	NULL	24	NunotaniSeiki
4247	9265885	NULL	27.5	DAEYANG DIC-AT-3N

4439	9249295	NULL	29	NULL
4634	8420787	NULL	33	NULL
4703	9182930	NULL	23.5	NunotaniSeiki
4782	9160803	NULL	28	NULL
4785	9218387	NULL	26	NULL
4901	9197002	NULL	37.7	OSAKA Nunotana Seiki Co. Ltd.
4940	9210218	NULL	28.6	R.M.Young, wind tracker
4994	9210725	NULL	26	NULL
5778	9074078	NULL	26	NULL
5824	9242352	NULL	NULL	NULL
5931	9253064	NULL	24	NunotaniSeiki
5977	9243667	NULL	29	NULL
6024	9205885	NULL	28	NULL
6108	9064126	NULL	23.5	STN Atlas Marine Electronics
6134	9303546	NULL	32	RM young
6208	9117739	NULL	28	Nei Nippon Electric Company
6246	9192167	NULL	25	NULL
6385	7910216	NULL	20	RM YOUNG ELECTRONIC
6398	8006323	NULL	25	RM YOUNG
6413	7413218	NULL	NULL	RM Young
6440	6805531	NULL	15	RM Young - Wind Tracker
6456	7423093	NULL	25	RM YOUNG ELECTRONIC
6465	8002432	NULL	18	RM YOUNG ELECTRONIC
6712	6800919	NULL	19	RM YOUNG
7718	9177428	NULL	33	RM Young
7726	9317418	NULL	28	Furuno
7781	9210139	NULL	29	NULL
7979	9343481	NULL	32	NULL
8072	9302097	NULL	36	Young
8106	9272383	NULL	32	DEIF
8339	9303558	NULL	34	RM Young
8372	9182928	NULL	23.5	NunotaniSeiki
8426	9250725	NULL	47	Kongsberg Model DEIF MALLING 879
8436	9305312	NULL	32	Daeyang Instrument , DICAT 350
8439	9332066	NULL	27	NULL
8564	9353527	NULL	15	CMR Korea Busan
8578	9226633	NULL	32.3	NEI NIPPON ELECTRIC INSTRUMENT; INC.
8628	9253856	NULL	25.6	OSAKA NUNOTANI SEIKI CO. LTD. FL100EL
8654	9355733	NULL	26.7	Lambrecht WENTO-IND
8658	9300465	NULL	37	NULL
8660	9216717	NULL	45	R.M. Young Company 05106
8660	9216717	NULL	45	Marine Wind Tracker 06206 - 27
8662	9205665	NULL	31	Osaka Nunotani Seiki co.ltd
8670	9353539	NULL	33	NULL
8671	9283681	NULL	33	R.M. Young Company
8679	9311256	NULL	23	NULL

8681	9343510	NULL	29	NULL
8684	9111319	NULL	21	DIGITAL THIES CLIMA
8684	9111319	NULL	21	THOMAS WALKER & SON LTD
8685	9323077	NULL	27	NULL
8686	9129940	NULL	25	NULL
8687	9010137	NULL	12.3	RM Young
8687	9010137	NULL	12.3	Wynn Ultrasonic Sensor
8688	9237345	NULL	41	NULL
8689	9239783	NULL	30	TUIES CLIMA
8691	8835114	NULL	10.2	RM Young 05103:
8691	8835114	NULL	10.2	Weathertronics
8696	9302970	NULL	33	NULL
8701	8807997	NULL	21	NULL
8703	9369394	NULL	15	NULL
8705	9309021	NULL	39.5	DIGITAL HAND ANEMOMETR- PROVA, AVM-05
8710	9329409	NULL	27	NULL
8711	9267417	NULL	27	NULL
8715	9356074	NULL	26	NULL
8716	9346122	NULL	27.6	DAEYANG INSTRUMENT CO.,LTD
8717	9333163	NULL	37	NULL
8718	9349681	NULL	32.5	R.M. Young 05106 06206
8718	9349681	NULL	32.5	R.M. Young 05106 06206
8720	9070448	NULL	31	RM Young
8722	9339818	NULL	31	SATO
8726	7433799	NULL	15	RM YOUNG
8730	9272735	NULL	23	NULL
8734	9307047	NULL	36	NULL
8735	9260421	NULL	41	DEIF Ultrasonic
8736	9265861	NULL	29	NULL
8742	9230050	NULL	31.1	Thies Clima Combined / STN Atlas Marine
8744	9346134	NULL	34.6	DAEYANG INSTRUMENT CO.,LTD
8745	9287455	NULL	24.3	NULL
8746	9325685	NULL	44.4	Heriana
8750	9378448	NULL	27.4	ADOLF THIES GMBH & CO KG
8754	NULL	NULL	26	RM YOUNG 0901, 85004
8756	9380805	NULL	23	NULL
8759	9331555	NULL	37	NULL
8760	9360879	NULL	61.7	Heriana
8763	NULL	NULL	18	FURUNO PB100
8764	9265548	NULL	24.5	NIPPON ELECTRIC INSTRUMENT
8774	7603617	NULL	10	NULL
8779	9322255	NULL	31	Thies Clima Combined 4.3336.21
8780	9239616	NULL	31	Thies Clima Combined 4.3336.21
8781	9361079	NULL	33	NULL
8795	9332547	NULL	41	Daeyang
8801	9238636	NULL	NULL	OSAKA NUNOTANI SEIKI CO. LTD. TYPE:21EL

8802	9300477	NULL	46.6	NULL
8805	7367172	NULL	13	NULL
8806	9362530	NULL	27	LAMBRECHT Vento
8806	9362530	NULL	27	LAMBRECHT Vento
8809	9239484	NULL	35	NULL
8817	9353553	NULL	23	Daeyang Instrument , DICAT 350
8818	9267950	NULL	16.6	NIPPON ELECTRIC INSTRUMENT INC. MM54
8820	9252539	NULL	33.4	Unknown
8821	9246621	NULL	31.1	Thies Clima Combined 4.3336.21
8828	9360336	NULL	NULL	NULL
8841	9355135	NULL	24	NULL
8843	9199828	NULL	28.4	Junlu
8845	9281009	NULL	23.6	DAEYANG
8847	9126819	NULL	27.1	RM Young
8850	9386122	NULL	21	Observator OMC 160
8900	9374284	NULL	30.6	NULL
8918	9407562	NULL	23	ObsMet
8961	9359038	NULL	33	NULL
8971	9386304	NULL	27	NULL
8979	9260445	NULL	40	unknown
8998	9386299	NULL	34.4	DAEYANG INSTRUMENT CO.,LTD
9011	9300386	NULL	28	nippon electronic equipment (NEI)
9019	9359014	NULL	28	RM YOUNG
9023	9418729	NULL	28	NULL
9042	9346029	NULL	31.4	R.M. Young
9042	9346029	NULL	31.4	R.M. Young
9058	9378474	NULL	37	RM Young
9059	9371062	NULL	37.4	NUNOTANI SEIKI
9060	9354911	NULL	28	NULL
9068	9409936	NULL	21	Observatory Instruments OMC160
9079	9377236	NULL	30	NULL
9123	9265794	NULL	19	NULL
9134	9259276	NULL	39	NULL
9137	NULL	NULL	10	NULL
9161	9398905	NULL	29.7	Thies Clima Model 4.3324.31 / 4.3336.31 / 4.333
9166	9398228	NULL	33	DAEYANG AI 192
9179	9271145	NULL	NULL	RM Young
9183	7940467	NULL	13	RG
9191	9337511	NULL	33.4	KTMarine Co.
9197	9247144	NULL	31	NULL
9200	9377248	NULL	30	NULL
9201	9407122	NULL	30	NULL
9202	9377224	NULL	37.9	NULL
9204	NULL	NULL	11	NULL
9219	9161259	NULL	23	NunotaniSeiki
9240	9349071	NULL	9	RM Young 05106

9258	9398395	NULL	35	Young
9262	9502489	NULL	10	NULL
9263	9502491	NULL	12	NULL
9274	9398436	NULL	35	Young
9278	742108	NULL	21	RM YOUNG
9288	9443580	NULL	30.1	DAEYANG INSTRUMENT CO.,LTD
9316	9383936	NULL	37	R.M. Young Model 85106
9331	9413004	NULL	21	DYM 3
9382	9292565	NULL	NULL	NULL
9388	9359052	NULL	33	NULL
9390	9176022	NULL	23.5	NunotaniSeiki
9416	9395501	NULL	24.3	NIPPON ELECTRIC INSTRUMENT
9427	9414163	NULL	25.7	WindObserver II
9447	9260902	NULL	35	Young
9457	9321809	NULL	13.8	NEI NIPPON ELECTRIC INSTRUMENT; INC.
9464	9250907	NULL	22	Point Co. LTD / PL-380K
9492	9437385	NULL	33	NULL
9509	9330812	NULL	22	NULL
9553	9412995	NULL	21	Point Co. LTD PL-380K
9557	9417000	NULL	23	Nunotani Seiki
9588	9404314	NULL	28.7	LAMBRECHT FA810.5
9588	9404314	NULL	28.7	LAMBRECHT FA810.5
9695	9267209	NULL	26	NULL
9696	9271614	NULL	39	NULL
9712	9144914	NULL	21	young wind tracker
9715	9416848	NULL	34.4	DEIF DIGITAL CHINESE
9777	9361251	NULL	30.8	21EL SCD.OSAKA.Nunotani Seiki Co Ltd.
9780	9398216	NULL	33	daeyang
9818	9360453	NULL	24	NunotaniSeiki
9820	9536129	NULL	13	NULL
9825	9156474	NULL	32	NULL
9837	7726536	NULL	7	FURUNO
9838	7397660	NULL	7	Furuno
9839	7726512	NULL	7	R.M. Young
9842	7390894	NULL	6	Furuno
9845	7726524	NULL	6	Furuno
9846	7507370	NULL	6	Furuno
9849	9361249	NULL	25.8	KoshinDenki
9869	9508392	NULL	25.8	DEIF
9884	9474137	NULL	35	NULL
9890	9444819	NULL	25	HERIANA TECH.CO.LTD. AC-F10
9926	9378450	NULL	27.4	Adolf Thies GMBH & CO KG
9942	9588299	NULL	47	Heriana
9949	7512052	NULL	13	NULL
9959	9387334	NULL	21.6	OBSERMET DIGITAL , OMC 139
9960	9410959	NULL	26.7	DEIF

9969	9425526	NULL	32.5	OSAKA Nunotana Seiki Co. Ltd.
9994	9396139	NULL	27	NULL
9998	9396153	NULL	28	KT Marine KT-CONO2
10004	9396141	NULL	25	NULL
10006	9418731	NULL	20.7	NIPPON ELECTRIC INSTRUMENT (NEI) MM52R
10016	9431824	NULL	30	DEIF Ultrasonic
10027	9383948	NULL	37	R.M. Young 06206
10027	9383948	NULL	37	R.M. Young 06206
10028	NULL	NULL	NULL	NULL
10073	9432218	NULL	25	CMR Korea AT-2000
10081	9314064	NULL	32	NULL
10083	9332212	NULL	26	NULL
10088	9492335	NULL	44.9	DEIF DIGITAL CHINESE
10090	9450727	NULL	19.1	Heriana maker
10120	9199622	NULL	16.2	NULL
10121	9403322	NULL	31	OSAKA NUNOTAMI SEIKI CO LTD
10124	9287297	NULL	28	NULL
10135	9332315	NULL	28	NULL
10181	8504882	NULL	27	R M Young
10183	9434254	NULL	31	Ship
10192	9333632	NULL	34.4	Daeyang Instrument Co. Ltd AI-F2
10195	9367413	NULL	15.8	Osaka Nunotani Seiki Co., Ltd.
10197	9388431	NULL	18	NULL
10226	9313266	NULL	35.2	Nunotani Keiki
10237	8635227	NULL	20	RM YOUNG ELECTRONIC
10238	8505850	NULL	25	RM YOUNG ELECTRONIC
10260	9519767	NULL	35	NULL
10295	9365829	NULL	28	Unknown
10305	9564384	NULL	22	Lambrech Quatro Met 1642
10311	9469015	NULL	40	NULL
10312	9591741	NULL	29.4	Heriana, wind transmitter - AT 130, digital indica
10315	9425875	NULL	30	NULL
10339	9451094	NULL	27.3	LAMBRECHT METEOROLOGICAL INSTRUMENTS
10341	NULL	NULL	10	NULL
10395	9499917	NULL	46	Gill Windobsever 2
10399	9500625	NULL	25.6	DAEYANG INSTRUMENT CO.,LTD
10426	9422067	NULL	32.6	HERIANA CO.LTD TYPE : AC-F10
10453	9303845	NULL	29.8	NIPPON ELECTRONIC INSTRUMENTS INC.
10508	8003292	NULL	25	RM YOUNG ELECTRONIC
10513	9483126	NULL	29	NULL
10525	9506722	NULL	16.8	Thies ClimaCombined
10535	9587893	NULL	23	RM YOUNG ELECTRONIC
10563	9378486	NULL	35	RM Young
10573	8856168	NULL	10	NULL
10608	9464326	NULL	23.1	Heriana
10656	9257802	NULL	22	OSAKA Nunotani Seiki Co. Ltd

10670	8306292	NULL	10	NULL
10672	9398424	NULL	33	NULL
10705	9395496	NULL	41	NULL
10790	9572329	NULL	32	NULL
10820	9365831	NULL	25	Unknown
10832	9437335	NULL	25	DEIF WSS
10842	9445590	NULL	31	RM Young Digital 26800
10848	9434905	NULL	29	NULL
10853	9389643	NULL	33	Thies Clima Combined 4.3336.21
10867	9479864	NULL	30	NULL
10881	9555723	NULL	30.5	R.M. Young 06206
10908	9487964	NULL	29	NULL
10909	9419644	NULL	40	NULL
10949	9650597	NULL	13	NULL
10982	9270127	NULL	16	NULL
11050	9424912	NULL	NULL	Nippon electric instrument inc
11100	9332999	NULL	33	DEIF Ultrasonic
11104	9333008	NULL	32	Unknown
11141	9359674	NULL	20	NULL
11258	9422512	NULL	25	NULL
11402	9593426	NULL	35	NULL
11452	9471862	NULL	27.2	Observatory Instrunments OMC150
11457	9506459	NULL	28.8	Lambrecht WENTO-IND
11457	9506459	NULL	28.8	Lambrecht WENTO/IND
11461	9419668	NULL	29	NULL
11474	9178331	NULL	29	NULL
11479	9417012	NULL	23	NunotaniSeiki
11480	9417024	NULL	23	Nunotani Seiki
11498	9422201	NULL	23	NunotaniSeiki
11503	9422196	NULL	23	NunotaniSeiki
11504	9593866	NULL	25.7	Heriana
11509	9417892	NULL	23	Nunotani Seiki
11513	9435909	NULL	21.5	Heriana
11516	9360465	NULL	24	NunotaniSeiki
11546	9476977	NULL	28	NULL
11548	9613836	NULL	29	NULL
11601	9554004	NULL	14	NULL
11649	9451460	NULL	28	NULL
11666	9253076	NULL	23	NunotaniSeiki
11700	9593878	NULL	37	HERIANA
11720	9644483	NULL	30	NULL
11728	9593919	NULL	40	NULL
11731	9606912	NULL	34.5	SAM Electronics
11753	9578945	NULL	19.8	Gill wind observer (Heated) ultrasonic
11800	9333034	NULL	31	RM Young
11801	9591674	NULL	29	NULL

11806	9332975	NULL	31	Daeyang Instrument , DICAT 350
11855	9591131	NULL	32.4	NULL
11869	9348649	NULL	34.5	Unknown
11909	9348651	NULL	39	DEM6 Tianjin
11917	9332987	NULL	35	DEM6 Tianjin
11927	9342176	NULL	33	Unknown
11966	9609407	NULL	25.2	Observatory Instruments OMC938
11971	9259680	NULL	28	NULL
12008	9624093	NULL	21.7	NULL
12012	9583720	NULL	32	NULL
12031	9558402	NULL	29	NULL
12034	9604093	NULL	35	Daeyang Instrument , DICAT 350
12050	9572331	NULL	33	NULL
12075	9667447	NULL	29	NULL
12079	9607136	NULL	29	NULL
12109	9623336	NULL	38	Observator OMC-989
12111	9575668	NULL	31	NULL
12113	9600657	NULL	29	NULL
12118	9532513	NULL	32	NULL
12147	9631682	NULL	29	NULL
12155	9593907	NULL	29.5	Heriana
12157	9380764	NULL	28	NULL
12158	9644495	NULL	30	NULL
12170	9606821	NULL	29	NULL
12181	9606924	NULL	41.8	Thies Combined Wind Transmitter
12217	9597513	NULL	42	Unknown
12495	9595527	NULL	38	TOKYO KEIKI
12500	9595486	NULL	38	TOKYO KEIKI
12508	8800195	NULL	18	NULL
12519	9595462	NULL	34	Daeyang Instrument, Dicat 350
12521	9595515	NULL	33	Daeyang Instrument , DICAT 350
12544	9629043	NULL	35	DYM 3
12578	9629079	NULL	38	TOKYO KEIKI
12647	9675406	NULL	23	Daeyang Instrument , DICAT 350
12695	9333010	NULL	32	Unknown
12709	9629031	NULL	33	DEM6 Tianjin
12710	9549463	NULL	41	THIES CLIMA 2D
12842	9675391	NULL	26	Heriana
12867	9595450	NULL	37	TOKYO KEIKI
13004	9491900	NULL	23.2	Thies ClimaCombined
13078	9333022	NULL	37	RM Young
13093	9471226	NULL	34	DEIF Ultrasonic
13258	9665281	NULL	NULL	RM Young
13336	9697832	NULL	28	NULL
13365	9685322	NULL	NULL	Lambrech Quatro Met 1642
13404	9613941	NULL	23	RM YOUNG ELECTRONIC

13443	9680841	NULL	28	HERIANA
13518	9355513	NULL	18.3	RM Young
13669	9604110	NULL	37	Daeyang Instrument , DICAT 350
13714	9453987	NULL	28.5	OMC 160
13715	9656101	NULL	41	THIES CLIMA 2D
13743	9595498	NULL	38	TOKYO KEIKI
13783	9426207	NULL	28.5	OMC 160
13804	9670585	NULL	39	Unknown
13824	9595436	NULL	36	Daeyang Instrument , DICAT 350
13929	9629122	NULL	36	DEM6 Tianjin
50	8109668	NULL	22	RM Young
72	7729459	NULL	33	young wind tracker
166	5264510	NULL	16.6	RM Young Windtracker
188	8121795	NULL	5	NULL
228	7617890	NULL	25	Young
367	7390155	NULL	28	NULL
393	7738591	NULL	33	electric speed indicator company and F420c
409	6728068	NULL	6.5	RM Young 5106
526	7225855	NULL	NULL	RM Young
558	9302102	NULL	34	Daeyang Instrument , DICAT 350
597	7329314	NULL	18	R.M. YOUNG
615	6806444	NULL	21	RM Young
904	9260433	NULL	38	Young
977	5097187	NULL	10	RM Young
1246	NULL	NULL	NULL	NULL
1409	9059614	NULL	29.7	Deuta
1446	9059640	NULL	25.6	ANEMO-DEUTA
1543	8901406	NULL	18.4	RM Young
1622	9074391	NULL	34	young wind tracker
1623	9074535	NULL	33	NULL
1636	9059626	NULL	27	Anemo / Deuta
1662	8819512	NULL	28.5	R.M. Young 05106 06206
1687	9106209	NULL	29	NULL
1817	9111620	NULL	25	Unknown
1857	8835217	NULL	18	RM Young
1900	9134244	NULL	31	DEM6 Tianjin
1906	9059638	NULL	24	SKYWATCH XPLOER 3
1915	9134256	NULL	31	Daeyang Instrument , DICAT 350
1918	9142162	NULL	41	Osaka Nunotani Seiki Co.
1919	9155133	NULL	32	NULL
1951	9134270	NULL	33	NIPPON 7 MM55
1957	9134268	NULL	32	Nkw
1966	9142198	NULL	35	Daeyang Instrument , DICAT 350
1987	9134282	NULL	30	NULL
2023	9166792	NULL	45	NULL
2034	9082336	NULL	33	NULL

2055	9235531	NULL	34	NULL
2068	9181560	NULL	30	Daeyang Instrument , DICAT 350
2100	7437214	NULL	11	NULL
2110	9082348	NULL	34	Unknown
2127	6605242	NULL	10	NULL
2152	9214393	NULL	13	NULL
2187	7507411	NULL	6	Furuno
2222	9236494	NULL	NULL	NULL
2274	9236509	NULL	NULL	NULL
2657	9193252	NULL	28	RM Young
2713	9245756	NULL	36	Daeyang Instrument , DICAT 350
2786	6621662	NULL	17.5	RM Young
2788	9242364	NULL	NULL	NULL
2881	8842351	NULL	9	NULL
2932	9287900	NULL	34	Unknown
2985	9226061	NULL	28	NULL
2991	9280859	NULL	33	Daeyang Instrument , DICAT 350
2997	9292230	NULL	30	DEM6 Tianjin
3035	9228370	NULL	24	RM Young
3047	9166704	NULL	28	Gill 1390-PS-004
3129	9057123	NULL	25	NULL
3158	9231822	NULL	34	Tianjin 8908
3164	9301782	NULL	32	Daeyang Instrument , DICAT 350
3175	8964587	NULL	10	NULL
3209	9039016	NULL	16	RM young Model 06206
3213	9142186	NULL	33	NIPPON 7 MM55
3222	9055462	NULL	27.1	Daeyang Instrument , DICAT 350
3226	9287912	NULL	32	NULL
3265	9290103	NULL	34	Daeyang Instrument , AT-350
3286	9189419	NULL	31	NULL
3336	8007793	NULL	21.3	Koshin Denki Kogyo Co. Ltd.
3369	9141065	NULL	NULL	Rm young
3397	8765503	NULL	NULL	NULL
3614	9218686	NULL	32	RM Young
3768	9193264	NULL	34	RM Young
4100	8110681	NULL	19	Daeyong
5677	9193240	NULL	34	NULL
6428	7221251	NULL	15	RM Young
6636	9298686	NULL	32	NULL
7702	9293466	NULL	33	Daeyang Instrument , AT-350
8299	9301794	NULL	30	NULL
8408	9111644	NULL	25	Osaka Nunotani Seiki Co.
8579	7404047	NULL	13	NULL
8580	9298698	NULL	27	RM Young Windtracker
8771	8302246	NULL	18.5	RM Young Model 05106
8773	9128532	NULL	26.7	LEAFLET R14513G4N18H

8773	9128532	NULL	26.7	LEAFLET R14513G4N18H
8786	9367188	NULL	34	DEM6 Tianjin
8823	9111632	NULL	25	OSAKA NUNOTANI FZZEL
8907	9353565	NULL	25	Furuno
9099	9123192	NULL	25	Osaka Nunotani Seiki Co.
9138	9353577	NULL	26	NULL
9168	9244934	NULL	31	Daeyang Instrument , DICAT 350
9218	9196852	NULL	35	Daeyang Instrument , AT-350
9522	9306990	NULL	38	Daeyang Instrument , DICAT 350
9587	9348687	NULL	35	DEM6 Tianjin
9594	9353589	NULL	26	NULL
9835	7647560	NULL	7	Furuno
9844	7507394	NULL	6.5	R.M. Young
9886	9448425	NULL	32	DAEYAN
10249	9353606	NULL	32	MAN-0106 / AT-200
10262	9402639	NULL	28	NULL
10390	876842	NULL	26	RM Young 05106
10413	9301809	NULL	34	Daeyang Instrument , DICAT 350
10523	9416991	NULL	34	Daeyang Instrument , DICAT 350
10585	9418640	NULL	24	Chinese
10655	9550266	NULL	17	Osaka Nunotani/ 21 EL SCD
10668	9365855	NULL	25	Thies Clima
10685	9365843	NULL	29	unknown
10749	9469778	NULL	33	young wind tracker
10791	9579016	NULL	15.7	NULL
10840	9356713	NULL	32	RM YOUNG
10973	9365879	NULL	27	Thies Ultrasonic 2D
11047	9400124	NULL	31.4	unknown
11802	9428774	NULL	32	NULL
11844	9431680	NULL	30	DEIF Ultrasonic
12328	9597537	NULL	33	daeyang
12387	9462067	NULL	23.5	RM Young
12459	8023539	NULL	6	NULL
12719	9365867	NULL	23	Thies
13313	9401063	NULL	30	Daeyang Instrument , DICAT 350
13445	9397913	NULL	33	Unknown
13456	9478585	NULL	27	NEI/ MM52R
13486	9723241	NULL	35	Daeyang Instrument , AT-350
13525	9566382	NULL	38	Daeyang Instrument , AT-350
13591	9680853	NULL	31	Heriana
13596	9292113	NULL	35	Daeyang AI792 A
13736	9425186	NULL	24.1	N/A
1679	9071557	NULL	24.4	NULL
2054	8813025	Visual Estimates, No Anemometer	22	NULL
2096	9107837	NULL	9	NULL
2764	8218926	NULL	13	NULL

2856	7609269	NULL	10	NULL
3411	8035269	NULL	8.5	NULL
3412	7506003	NULL	9	NULL
8668	NULL	NULL	9	NULL
8704	8966705	NULL	9	NULL
10245	NULL	NULL	10	NULL

<u>ship_id</u>	<u>imo_number</u>	<u>owner</u>	<u>type</u>	<u>serial_number</u>	<u>location</u>	<u>height</u>
8	8388607	NULL	NULL	NULL	NULL	35
14	8711344	Ship	Cup anemometer and wind vane (seperate instruments)	123	Mainmast	55
20	5206362	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	12
58	7729461	Ship	Propeller vane	NULL	Mainmast	45
183	7812567	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	32
200	5025691	NOAA	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	20
206	7617905	Ship	Propeller vane	NULL	Mast on wheelhouse top	32
227	7116315	Ship	Propeller vane	0	Mast on wheelhouse top	33
237	5065392	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	30
239	5322518	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	20
259	7320095	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	24
271	8892033	NULL	NULL	NULL	NULL	29
277	6710920	Ship	Propeller vane	NULL	Mast on wheelhouse top	21
280	7606061	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	27
314	8835619	NULL	NULL	NULL	NULL	0
316	7423392	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	25
331	5173670	Ship	Cup anemometer and wind vane (combined unit)	3737388	Mast on wheelhouse top	25
332	5148417	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	25
341	7726495	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
348	5166768	NULL	NULL	NULL	NULL	20
350	7390260	Ship	Cup anemometer and wind vane (combined unit)	NULL	NULL	25
354	7502320	Ship	Propeller vane	NULL	NULL	21
358	7802718	NULL	NULL	NULL	NULL	30
359	7408093	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Not fitted	33
360	7738618	Ship	Propeller vane	unknkown	Meteorological mast	16.3
365	7318925	NOAA	NULL	NULL	NULL	18
374	7321087	NULL	NULL	NULL	NULL	0
376	9271054	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	20
389	7602338	Ship	Propeller vane	NULL	Mast on wheelhouse top starboard yartarm	30
394	8841826	NULL	NULL	NULL	NULL	13
395	7390272	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	23
412	7723821	Ship	Propeller vane	NULL	Mainmast	13
416	9270335	NOAA	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	29
443	5277062	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	20
444	6711003	NOAA	Propeller vane	0	Mainmast	18
450	7367471	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	26
458	7502576	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	10
462	7821154	Ship	Propeller vane	NULL	Mainmast port yardarm	29
468	7224306	Ship	Propeller vane	0	Mast on wheelhouse top	29
488	7726500	Ship	Sonic anemomber	0	Mainmast sarboard yardarm	19
501	7502564	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Not fitted	11
508	7366312	Ship	Propeller vane	0	Mainmast	45
528	6421086	NOAA	NULL	NULL	NULL	18
544	7390909	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	NULL	15
552	5389554	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	18

554	7729057	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	30
574	7816549	Ship	Cup anemometer and wind vane (combined unit)	2112917	Mast on wheelhouse top	33.5
580	7907984	Ship	Propeller vane	NULL	Mast on wheelhouse top starboard yartarm	42
586	7932202	NULL	NULL	NULL	NULL	0
589	7907996	Ship	Propeller vane	NULL	Mainmast	42
591	7908005	Ship	Propeller vane	NULL	Mainmast	42
595	7366362	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	23
596	7923196	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	21
606	7366398	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	29
623	5294307	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	18
630	7514696	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	29
631	7105495	NOAA	Cup anemometer and wind vane (combined unit)	NULL	NULL	27
632	7318901	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	28
634	7366403	Ship	Cup anemometer and wind vane (combined unit)	0	Mast on wheelhouse top	29
663	7403990	NULL	NULL	NULL	NULL	32
691	7625952	Ship	Cup anemometer and wind vane (combined unit)	NULL	Foremast port yardarm	27
717	8005109	NULL	NULL	NULL	NULL	0
741	5385625	Ship	Sonic anemomber	NULL	Mast on wheelhouse top	20
747	7326245	Ship	Propeller vane	NULL	Mast on wheelhouse top	29
753	5097450	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	20
790	7506015	Ship	Propeller vane	None	Mast on wheelhouse top	37.5
797	7620653	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	28
837	8220761	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	31
857	7505994	Ship	Sonic anemomber	0	Mainmast sarboard yardarm	13
860	8420799	Ship	Propeller vane	85X715	Mainmast port yardarm	27.3
885	7514713	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	25
922	8419154	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	34
946	8419166	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	32
958	8419142	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	35
960	7334204	NULL	NULL	NULL	NULL	0
966	9158288	Ship	Propeller vane	N1796A	Mast on wheelhouse top port yardarm	52
976	7222138	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	17
1007	9260469	Ship	Sonic anemomber	Unknown	Foremast	33
1076	8836273	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	19
1145	9260457	Ship	Sonic anemomber	Unknown	Foremast	35
1211	8971138	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	22
1218	8900866	Ship	Propeller vane	NULL	Mast on wheelhouse top	26
1230	8814419	Ship	Propeller vane	NULL	Mainmast	15
1234	7638454	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	12
1236	7626190	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
1254	8635150	NULL	NULL	NULL	NULL	13
1262	9002037	Ship	Propeller vane	NULL	Mast on wheelhouse top port yardarm	35
1270	8835097	NULL	NULL	NULL	NULL	NULL
1312	7367213	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	18
1337	7514701	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	25
1340	8120014	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	20

1368	9035060	NULL	NULL	NULL	NULL	53
1370	6520454	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	15
1392	9059602	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	45
1419	8919257	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mainmast	49
1422	8711356	Ship	Propeller vane	123	Mainmast	55
1437	9041253	Ship	Cup anemometer and wind vane (combined unit)	None	Mainmast	55
1445	9051478	NULL	NULL	NULL	NULL	NULL
1454	8312215	Ship	Propeller vane	NULL	Mast on wheelhouse top starboard yartarm	26
1510	9018658	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	27
1530	9053878	Ship	Cup anemometer and wind vane (combined unit)	9553/05	Mainmast	60
1566	8215481	NULL	Cup anemometer and wind vane (combined unit)	iop 1249194	Mast on wheelhouse top	43
1584	7047461	NOAA	NULL	NULL	NULL	NULL
1632	9106182	Ship	Propeller vane	NULL	Mainmast	50
1656	9077123	Ship	Propeller vane	4189350005	Mast on wheelhouse top port yardarm	42.4
1656	9077123	Ship	Propeller vane	4189350005	Mast on wheelhouse top starboard yartarm	42.4
1663	9070620	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	37
1664	9070632	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	31
1666	9077276	Ship	Propeller vane	NULL	Mainmast	46
1686	9074547	Ship	Propeller vane	NULL	Mast on wheelhouse top port yardarm	48
1709	9070058	Ship	Cup anemometer and wind vane (combined unit)	4.3336.31.001	Mainmast	55
1777	1234	NULL	NULL	NULL	NULL	5
1779	9075228	Ship	Propeller vane	NULL	Mainmast	30
1791	9103128	Ship	Propeller vane	2687	Meteorological mast	35.1
1839	9072446	Ship	Propeller vane	NULL	Mainmast	36
1840	9102992	Ship	Cup anemometer and wind vane (combined unit)	NULL	Foremast port yardarm	40.5
1840	9102992	Ship	Cup anemometer and wind vane (combined unit)	NULL	Foremast starboard yardarm	40.5
1842	9105798	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	20
1852	9116577	Ship	Propeller vane	NULL	Mainmast sarboard yardarm	42
1853	7501106	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	18
1854	9116589	Ship	Propeller vane	NULL	Mainmast port yardarm	48
1865	9116618	Ship	Propeller vane	NULL	Mast on wheelhouse top	48
1872	9102978	Ship	Sonic anemomber	4189350002	Mast on wheelhouse top port yardarm	57
1872	9102978	Ship	Sonic anemomber	4189350001	Mainmast sarboard yardarm	57
1873	9143001	Ship	Propeller vane	NULL	Mainmast	NULL
1876	9116606	Ship	Propeller vane	NULL	Mainmast sarboard yardarm	43
1879	9118721	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	37
1890	9126297	Ship	Propeller vane	NULL	NULL	43
1892	9106302	NULL	NULL	NULL	NULL	34
1893	9111802	Ship	Cup anemometer and wind vane (combined unit)	0	Mainmast	52.8
1904	9116864	NULL	NULL	NULL	NULL	52
1909	9074389	Ship	Propeller vane	NULL	Mainmast	45
1914	9155121	NULL	NULL	NULL	NULL	36
1929	9143025	Ship	Anemograph	NULL	Mast on wheelhouse top port yardarm	47
1930	5105831	Ship	Cup anemometer and wind vane (combined unit)	NULL	NULL	23
1932	NULL	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	14
1940	8835255	NOAA	Propeller vane	Port WM000161920 S WM00016922	Other (specify)	14.6

1943	9145205	NOAA	NULL	NULL	NULL	28
1958	9142174	Ship	Propeller vane	n/a	Mainmast	39
1960	9007257	NULL	NULL	NULL	NULL	28
1969	9103130	NULL	NULL	NULL	NULL	45
1973	9120877	Ship	Cup anemometer and wind vane (seperate instruments)	D-28305	Foremast	44.6
1975	8707343	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	23
1977	9175925	Ship	Propeller vane	NULL	Mast on wheelhouse top starboard yartarm	45
1986	9056296	Ship	Propeller vane	987806	Mast on wheelhouse top starboard yartarm	37.6
2007	9120853	NULL	NULL	NULL	NULL	48
2008	9120865	Ship	Propeller vane	0	NULL	44
2014	7626217	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	15
2026	9120841	Ship	Propeller vane	NULL	Mast on wheelhouse top	35
2028	9161716	NULL	NULL	NULL	NULL	56
2029	9083380	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	22
2035	6704854	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	21
2040	5153890	NULL	NULL	NULL	NULL	18
2053	9181376	Ship	Propeller vane	NULL	Mast on wheelhouse top starboard yartarm	37.5
2064	9191319	Ship	Sonic anemomber	NULL	Mainmast sarboard yardarm	48
2065	9169158	Ship	Propeller vane	NULL	Mast on wheelhouse top starboard yartarm	43
2079	7042851	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
2080	7026998	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	16
2081	7404102	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	15
2085	7614082	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
2086	7227384	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	12
2090	8129503	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
2093	8213249	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	22
2095	7404097	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	17
2097	9107849	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	NULL	16
2099	9032953	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	15
2113	9214898	NULL	NULL	NULL	Mainmast port yardarm	35
2115	9010498	NULL	NULL	NULL	NULL	25
2118	8516433	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	15
2119	8700711	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	16
2120	9010656	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	15
2123	7367225	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	NULL	17
2124	8513687	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	16
2125	8606549	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	15
2126	8852576	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	16
2130	8851687	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
2131	7227358	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	16
2138	7417367	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
2143	9014078	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	40
2144	9214903	Ship	Propeller vane	NULL	Mast on wheelhouse top starboard yartarm	37
2150	9193551	Ship	Propeller vane	NULL	Mast on wheelhouse top starboard yartarm	24
2154	5033583	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	27
2155	NULL	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	17

2160	8036586	Ship	Propeller vane	NULL	Mast on wheelhouse top	14
2165	9228136	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mainmast	32
2180	9118628	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	NULL	37
2183	NULL	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
2184	7802627	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	16
2185	7509445	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	20
2186	9189421	Ship	Cup anemometer and wind vane (combined unit)	4.3223.10.200	Mast on wheelhouse top	54
2186	9189421	Ship	Cup anemometer and wind vane (combined unit)	4.3223.10.201	Mast on wheelhouse top	54
2188	9178379	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	16
2189	9178381	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	15
2190	9214381	Ship	Cup anemometer and wind vane (combined unit)	NULL	Not fitted	15
2191	9214408	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	15
2196	7638478	NULL	NULL	NULL	NULL	15
2198	5408491	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	20
2201	9195195	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	53
2205	7397658	Ship	Sonic anemomber	0	Mast on wheelhouse top starboard yartarm	15
2206	5228827	NOAA	NULL	NULL	NULL	27
2213	9138850	Ship	Propeller vane	NULL	Mainmast port yardarm	43
2214	9156527	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	35
2230	9192387	Ship	Cup anemometer and wind vane (combined unit)	6201	Mast on wheelhouse top	54
2230	9192387	Ship	Cup anemometer and wind vane (combined unit)	6202	Mast on wheelhouse top	54
2232	NULL	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	22
2233	7390143	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	40
2234	9223954	Ship	Cup anemometer and wind vane (combined unit)	Noene	Aftmast	51
2236	NULL	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	18
2241	9180229	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	NULL
2243	5351052	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	24
2248	9139830	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	15
2249	7528817	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	14
2253	7512002	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
2255	9193563	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	32
2258	7502332	NOAA	NULL	NULL	NULL	19
2266	5218183	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	19
2268	7829778	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
2269	9241310	Ship	Propeller vane	NULL	Mast on wheelhouse top port yardarm	41
2272	7208431	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	20
2276	7047708	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	14
2283	9118630	NULL	NULL	NULL	NULL	15
2290	9241322	NULL	NULL	NULL	NULL	41
2291	9226035	Ship	Propeller vane	NULL	Mainmast sarboard yardarm	48
2295	7408081	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	39
2296	9228148	Ship	Propeller vane	NULL	Mainmast	32
2297	7929308	NULL	NULL	NULL	NULL	23
2423	8309830	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast port yardarm	31
2663	9241308	Ship	Propeller vane	NULL	Mainmast port yardarm	42
2670	9186792	Ship	Cup anemometer and wind vane (combined unit)	NULL	Foremast port yardarm	25

2672	9212802	Ship	Cup anemometer and wind vane (combined unit)	NULL	Foremast port yardarm	28
2677	9169160	Ship	Propeller vane	NULL	Mainmast sarboard yardarm	42
2679	9255062	Ship	Propeller vane	NULL	Mast on wheelhouse top starboard yartarm	23
2680	9198355	Ship	Sonic anemomber	NULL	Mainmast port yardarm	60.3
2682	9245768	Ship	Sonic anemomber	none	Foremast	27
2683	9182954	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	37
2684	5216458	NOAA	NULL	NULL	NULL	NULL
2685	7303877	Ship	Cup anemometer and wind vane (combined unit)	9101	Mast on wheelhouse top	15
2686	9131371	Ship	Propeller vane	NULL	Mainmast	32
2689	9226047	Ship	Propeller vane	WM45829	Aftmast	45
2690	9229037	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	20
2693	9243162	Ship	Propeller vane	NULL	Mainmast port yardarm	43
2699	9241293	Ship	Propeller vane	NULL	Mast on wheelhouse top port yardarm	42
2704	9258193	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	18.5
2710	9168855	NOAA	NULL	NULL	NULL	39
2714	9232278	Ship	Propeller vane	NULL	Mast on wheelhouse top	36
2716	7902001	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	19
2719	8867882	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	14
2721	7119678	NOAA	NULL	NULL	NULL	23
2726	8218938	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	15
2729	9206114	NULL	NULL	NULL	NULL	35
2732	9219812	Ship	Propeller vane	WT09911	Mast on wheelhouse top starboard yartarm	11.6
2733	8411932	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	17
2736	9244130	NULL	NULL	NULL	NULL	40
2742	8962498	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
2743	8967589	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	14
2750	9232280	Ship	Propeller vane	0	Mainmast port yardarm	38
2755	9241281	Ship	Propeller vane	NULL	Mainmast	43
2763	9198367	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top port yardarm	40
2763	9198367	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top starboard yartarm	40
2765	9260419	Ship	Propeller vane	N/A	Foremast	35
2768	9129706	NULL	Propeller vane	101	Mast on wheelhouse top starboard yartarm	45
2770	9249180	NULL	NULL	NULL	NULL	42
2771	9259965	Ship	Propeller vane	NULL	Mast on wheelhouse top	22
2772	9126807	Ship	Propeller vane	123	Mainmast	52
2774	7729526	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	14
2780	9144926	NULL	NULL	NULL	NULL	27
2787	8612134	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	38
2791	9278753	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	32
2804	7367160	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
2811	9212797	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	25
2815	9317664	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	14
2823	7417317	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	16
2826	7047239	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	15
2827	7507409	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
2829	9244063	NULL	NULL	NULL	NULL	35

2833	7114068	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
2840	9268538	Ship	Propeller vane	NULL	Mast on wheelhouse top	40
2852	8845767	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	18
2860	9244659	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	34
2867	9271133	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Meteorological mast	27
2871	9221281	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	38
2872	9188037	Ship	Propeller vane	NULL	Mast on wheelhouse top	38
2873	9156515	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	32
2883	9102291	NULL	NULL	NULL	NULL	43
2888	9245483	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	NULL	15
2889	9143037	Ship	Propeller vane	NULL	Mainmast port yardarm	35
2890	9254654	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast port yardarm	39
2899	9221279	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	38
2901	9226891	Ship	Cup anemometer and wind vane (combined unit)	NULL	Foremast	46
2901	9226891	Ship	Cup anemometer and wind vane (combined unit)	NULL	Foremast	46
2902	8700280	Ship	Other (specify)	NULL	Mainmast	44.8
2906	8964719	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
2908	9161728	NULL	NULL	NULL	NULL	28
2909	7114288	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
2910	9087489	NULL	NULL	NULL	NULL	33
2912	7050030	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	16
2930	9224532	Ship	Propeller vane	n/a	Mast on wheelhouse top	41
2948	9227039	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	35
2954	9168843	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	48
2955	9168879	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	30
2958	9131369	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	32
2978	9236389	Ship	Propeller vane	0	Mainmast	40
2981	8987931	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	17
2995	9198408	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	17
2998	9224726	NULL	NULL	NULL	NULL	40
3006	9218662	Ship	Propeller vane	WT08946	Mainmast	41
3015	9278492	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Aftmast	34
3036	9244661	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	32
3044	7641384	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	15
3057	9273674	Ship	Propeller vane	NULL	Mainmast	42
3061	9295830	Ship	Cup anemometer and wind vane (combined unit)	2354	Mast on wheelhouse top	44
3071	9116890	Ship	Propeller vane	n/a	Mainmast	44
3075	9237357	Ship	Propeller vane	NULL	Mast on wheelhouse top	34.1
3078	9188154	Ship	Propeller vane	NULL	Mast on wheelhouse top starboard yartarm	38
3105	9196967	NULL	NULL	NULL	NULL	38
3112	7914236	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	25
3113	7634226	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	NULL	20
3117	9244673	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	39
3123	9243203	Ship	Other (specify)	NULL	Mainmast port yardarm	42.9
3126	9290127	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	NULL	37
3128	9213947	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	18.5

3135	7604300	Ship	Propeller vane	Unknown	Mast on wheelhouse top	18.4
3135	7604300	Ship	Propeller vane	Unknown	Mast on wheelhouse top	18.4
3136	NULL	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	16
3137	NULL	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	14
3142	9168831	Ship	Propeller vane	NULL	NULL	31.6
3144	7433830	NOAA	Cup anemometer and wind vane (seperate instruments)	NULL	Foremast	16
3145	9300398	Ship	Propeller vane	NULL	Mast on wheelhouse top port yardarm	38
3152	9278181	Ship	Sonic anemomber	WT15437	Mast on wheelhouse top	45
3154	8997845	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	NULL	20
3155	9230115	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	37
3166	7514684	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	23
3181	9250660	NULL	NULL	NULL	NULL	36
3182	9271432	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	38
3183	9239795	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
3187	NULL	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	15
3197	8855463	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	21
3199	9218131	Ship	Propeller vane	0	Mainmast	59
3200	8751667	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	30
3207	9293648	Ship	Propeller vane	543221	Mast on wheelhouse top	45.5
3225	9273686	NULL	NULL	NULL	NULL	54
3235	9288875	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	50
3236	9256468	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	38
3237	0	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	17
3238	8501567	Ship	Propeller vane	NULL	Mast on wheelhouse top	36
3249	8752415	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	82
3250	8765515	NULL	NULL	NULL	NULL	48
3254	9243186	Ship	Propeller vane	NULL	Mainmast port yardarm	43
3256	9243198	Ship	Propeller vane	NULL	Mainmast port yardarm	43
3261	9305300	Ship	Propeller vane	NULL	Mainmast	42
3269	7367158	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	17
3280	9333149	Ship	Sonic anemomber	NULL	Mast on wheelhouse top starboard yartarm	45
3281	9308493	Ship	Propeller vane	NULL	Mast on wheelhouse top	33
3282	9317987	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	33
3284	9274563	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	NULL	33
3285	9282106	Ship	Propeller vane	NULL	Mast on wheelhouse top	33
3288	9304033	NULL	NULL	NULL	NULL	33
3289	9228368	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	15
3290	9300439	Ship	Propeller vane	NULL	Mast on wheelhouse top	42
3298	9249178	NULL	NULL	NULL	NULL	32
3302	9228356	Ship	Cup anemometer and wind vane (combined unit)	WM63567	Mainmast port yardarm	61
3302	9228356	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast sarboard yardarm	61
3303	9330032	Ship	Cup anemometer and wind vane (combined unit)	109960	Mast on wheelhouse top	60
3305	9116876	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	50.8
3307	9351062	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	48
3315	9318321	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	NULL	30
3317	9127033	Ship	Propeller vane	NULL	Mast on wheelhouse top	30

3319	9238272	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	32
3325	9137337	NULL	NULL	NULL	NULL	25
3327	9362190	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	28
3328	9300427	Ship	NULL	NULL	Mast on wheelhouse top	43
3330	9243174	Ship	Propeller vane	NULL	Mainmast port yardarm	43
3331	9196955	Ship	Propeller vane	NULL	Mast on wheelhouse top	49
3333	7367146	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	14
3343	9300441	Ship	Propeller vane	NULL	Mainmast	33
3344	9118147	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	29
3345	9233466	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	31
3347	9317406	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	31
3348	9218650	Ship	Propeller vane	NULL	Mast on wheelhouse top	37
3349	9330604	Ship	Propeller vane	NULL	Mast on wheelhouse top	35
3350	9218399	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	34.3
3352	9295000	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	50
3354	9305635	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	40
3357	9330599	Ship	Propeller vane	NULL	Mast on wheelhouse top	36
3361	9209221	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	35
3363	9304057	Ship	Cup anemometer and wind vane (combined unit)	NULL	NULL	30
3364	7513343	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	15
3372	9304045	Ship	Cup anemometer and wind vane (seperate instruments)	None	Mainmast	51
3388	7826908	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	14
3389	9200940	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	33
3393	9301811	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	39
3399	9265809	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Not fitted	25
3407	7390210	Ship	Cup anemometer and wind vane (combined unit)	NULL	NULL	29
3409	6407834	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	16
3413	9227508	Ship	Cup anemometer and wind vane (combined unit)	WT 09592	Mast on wheelhouse top port yardarm	60.2
3413	9227508	Ship	Cup anemometer and wind vane (combined unit)	WT 09571	Mast on wheelhouse top starboard yartarm	60.2
3418	8617445	NULL	NULL	NULL	NULL	14
3419	9168867	Ship	Propeller vane	NULL	Mast on wheelhouse top port yardarm	39
3422	9289491	Ship	Cup anemometer and wind vane (combined unit)	None	Mainmast	37
3423	9195157	Ship	Propeller vane	NULL	Mast on wheelhouse top	34
3430	9167227	Ship	Sonic anemomber	2771	Mainmast port yardarm	60.2
3430	9167227	Ship	Sonic anemomber	WM107461	Mainmast sarboard yardarm	60.2
3431	9265873	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	29
3432	9342281	Ship	Propeller vane	NULL	Mast on wheelhouse top	34
3478	9224312	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	37
3482	NULL	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	15
3491	8754140	Ship	Propeller vane	NULL	Other (specify)	33
3617	9218674	Ship	Propeller vane	NULL	Meteorological mast	NULL
3735	9250892	Ship	Cup anemometer and wind vane (combined unit)	N3271	Mast on wheelhouse top port yardarm	40
3916	9229348	Ship	Propeller vane	NULL	Mast on wheelhouse top starboard yartarm	NULL
4027	9121273	Ship	Propeller vane	NULL	Mainmast	47
4133	9182942	Ship	Propeller vane	NULL	Mainmast port yardarm	32
4247	9265885	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	34

4439	9249295	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
4634	8420787	Ship	Propeller vane	NULL	Mast on wheelhouse top	NULL
4703	9182930	Ship	Propeller vane	NULL	Mainmast	32
4782	9160803	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	32
4785	9218387	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
4901	9197002	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	41
4940	9210218	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	33
4994	9210725	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	30
5778	9074078	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	30
5824	9242352	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	30
5931	9253064	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	33
5977	9243667	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	33
6024	9205885	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	31
6108	9064126	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	29
6134	9303546	Ship	Sonic anemomber	765	Mast on wheelhouse top	45
6208	9117739	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	33
6246	9192167	Ship	Propeller vane	NULL	Mast on wheelhouse top	31
6385	7910216	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	20
6398	8006323	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	27
6413	7413218	Ship	Cup anemometer and wind vane (seperate instruments)	0	Mast on wheelhouse top	17
6440	6805531	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	15
6456	7423093	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	27
6465	8002432	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	18
6712	6800919	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	17
7718	9177428	Ship	Cup anemometer and wind vane (seperate instruments)	0	Mainmast	44
7726	9317418	Ship	Propeller vane	NULL	Mast on wheelhouse top	35
7781	9210139	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	34
7979	9343481	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	NULL
8072	9302097	Ship	Propeller vane	NULL	Mast on wheelhouse top port yardarm	37
8106	9272383	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	34
8339	9303558	Ship	Cup anemometer and wind vane (combined unit)	101	NULL	42
8372	9182928	Ship	Propeller vane	NULL	Mainmast	30
8426	9250725	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	49
8436	9305312	Ship	Propeller vane	A0401-05	Mainmast	38.5
8439	9332066	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	32
8564	9353527	Ship	Propeller vane	34	Mast on wheelhouse top	32
8578	9226633	Ship	Cup anemometer and wind vane (combined unit)	NULL	NULL	37
8628	9253856	Ship	Cup anemometer and wind vane (combined unit)	none	Mast on wheelhouse top	30.7
8654	9355733	Ship	Cup anemometer and wind vane (seperate instruments)	14516	Mainmast	52
8658	9300465	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	39
8660	9216717	Ship	Propeller vane	NULL	Mast on wheelhouse top	48
8660	9216717	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	48
8662	9205665	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	35
8670	9353539	NULL	NULL	NULL	NULL	37
8671	9283681	Ship	Propeller vane	NULL	Mast on wheelhouse top	37
8679	9311256	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	29

8681	9343510	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	32
8684	9111319	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	28
8684	9111319	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	28
8685	9323077	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	31
8686	9129940	NULL	NULL	NULL	NULL	35
8687	9010137	Ship	Propeller vane	NULL	Mainmast	20
8687	9010137	Ship	Sonic anemomber	NULL	Mainmast	20
8688	9237345	Ship	Propeller vane	NULL	Mast on wheelhouse top	43
8689	9239783	Ship	Cup anemometer and wind vane (combined unit)	502510	Foremast	55
8691	8835114	NOAA	Sonic anemomber	unknown	Mast on wheelhouse top	21.9
8691	8835114	NOAA	Sonic anemomber	unknown	Mast on wheelhouse top	21.9
8696	9302970	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	35
8701	8807997	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	28
8703	9369394	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	22
8705	9309021	Ship	Handheld anemometer	NULL	Handheld	39.5
8710	9329409	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	31
8711	9267417	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	31
8715	9356074	NULL	NULL	NULL	NULL	38
8716	9346122	Ship	Anemograph	NULL	NULL	31
8717	9333163	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	NULL	44
8718	9349681	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top port yardarm	60
8718	9349681	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top starboard yartarm	60
8720	9070448	Ship	Propeller vane	n/a	Mainmast	41
8722	9339818	Ship	Propeller vane	0	Mast on wheelhouse top port yardarm	34
8726	7433799	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	14
8730	9272735	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	28
8734	9307047	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	38
8735	9260421	Ship	Sonic anemomber	Unknown	Foremast	35
8736	9265861	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	34
8742	9230050	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast port yardarm	35.7
8744	9346134	Ship	Anemograph	NULL	Mast on wheelhouse top	37
8745	9287455	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	33
8746	9325685	Ship	Propeller vane	NULL	Mainmast	49
8750	9378448	Ship	Cup anemometer and wind vane (combined unit)	080 5403	Mainmast	51.3
8754	NULL	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	22
8756	9380805	NULL	NULL	NULL	NULL	NULL
8759	9331555	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	40
8760	9360879	Ship	Propeller vane	NULL	Mast on wheelhouse top	65
8763	NULL	NOAA	Sonic anemomber	NULL	Mainmast	19
8764	9265548	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	32
8774	7603617	NULL	NULL	NULL	NULL	25
8779	9322255	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast port yardarm	37.2
8780	9239616	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	38
8781	9361079	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	38
8795	9332547	Ship	Cup anemometer and wind vane (combined unit)	25436	Mainmast	46.9
8801	9238636	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	33

8802	9300477	Ship	Propeller vane	NULL	Mast on wheelhouse top	49
8805	7367172	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	17
8806	9362530	Ship	Sonic anemomber	NULL	Foremast port yardarm	61
8806	9362530	Ship	Sonic anemomber	NULL	Foremast starboard yardarm	61
8809	9239484	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	37
8817	9353553	Ship	Propeller vane	Unknown	Mainmast	37.3
8818	9267950	Ship	Cup anemometer and wind vane (combined unit)	032426-1	Mast on wheelhouse top	28
8820	9252539	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	38
8821	9246621	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	37.9
8828	9360336	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	34
8841	9355135	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	29
8843	9199828	Ship	Sonic anemomber	Unknown	Mainmast	34
8845	9281009	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	28
8847	9126819	Ship	Propeller vane	123	Mainmast	52
8850	9386122	Ship	Cup anemometer and wind vane (combined unit)	NULL	Other (specify)	55
8900	9374284	Ship	NULL	NULL	Mast on wheelhouse top	35
8918	9407562	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top port yardarm	31
8961	9359038	Ship	Propeller vane	NULL	Mainmast	NULL
8971	9386304	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	36
8979	9260445	Ship	Sonic anemomber	n/a	Foremast	34
8998	9386299	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	38
9011	9300386	Ship	Propeller vane	NULL	Mast on wheelhouse top	NULL
9019	9359014	Ship	Propeller vane	NULL	Mast on wheelhouse top starboard yartarm	36
9023	9418729	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	32
9042	9346029	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top port yardarm	45
9042	9346029	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top starboard yartarm	54
9058	9378474	Ship	Cup anemometer and wind vane (seperate instruments)	123	Mainmast	50
9059	9371062	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	40
9060	9354911	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	32
9068	9409936	Ship	Cup anemometer and wind vane (combined unit)	NULL	Other (specify)	55
9079	9377236	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	31.5
9123	9265794	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	23
9134	9259276	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	43
9137	NULL	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	12
9161	9398905	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	49.6
9166	9398228	Ship	Propeller vane	AN080485	Mast on wheelhouse top port yardarm	40
9179	9271145	Ship	Sonic anemomber	NULL	Mast on wheelhouse top	19
9183	7940467	Ship	NULL	NULL	NULL	NULL
9191	9337511	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	36
9197	9247144	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	35
9200	9377248	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top port yardarm	NULL
9201	9407122	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	35
9202	9377224	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	41
9204	NULL	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
9219	9161259	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	33.3
9240	9349071	NOAA	Propeller vane	WM69175	Other (specify)	8

9258	9398395	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top port yardarm	42
9262	9502489	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	12
9263	9502491	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	16
9274	9398436	NULL	NULL	NULL	Mast on wheelhouse top starboard yartarm	42
9278	742108	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	19
9288	9443580	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	34
9316	9383936	Ship	Sonic anemomber	NULL	Mast on wheelhouse top	63
9331	9413004	Ship	Propeller vane	n/a	Mainmast	33.5
9382	9292565	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
9388	9359052	Ship	Propeller vane	NULL	Mast on wheelhouse top	NULL
9390	9176022	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	32
9416	9395501	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	28
9427	9414163	Ship	Sonic anemomber	NULL	Mainmast	38
9447	9260902	Ship	Propeller vane	NULL	Mast on wheelhouse top	39
9457	9321809	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	22
9464	9250907	Ship	Propeller vane	NULL	Mainmast	32.4
9492	9437385	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	38
9509	9330812	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	27
9553	9412995	Ship	Propeller vane	NULL	Mainmast	32
9557	9417000	Ship	Propeller vane	NULL	Mainmast	32
9588	9404314	Ship	Sonic anemomber	NULL	Foremast	60.9
9588	9404314	Ship	Sonic anemomber	NULL	Foremast	60.9
9695	9267209	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
9696	9271614	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	42
9712	9144914	Ship	Propeller vane	NULL	Mainmast sarboard yardarm	NULL
9715	9416848	Ship	Sonic anemomber	NULL	Mast on wheelhouse top	37
9777	9361251	Ship	Propeller vane	NULL	Mast on wheelhouse top	35
9780	9398216	Ship	Propeller vane	NULL	Mainmast	NULL
9818	9360453	Ship	Propeller vane	NULL	Mast on wheelhouse top	35
9820	9536129	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	16
9825	9156474	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	38
9837	7726536	Ship	Propeller vane	0	Mast on wheelhouse top	16
9838	7397660	Ship	Sonic anemomber	123	Mainmast	10
9839	7726512	Ship	Sonic anemomber	0	Mast on wheelhouse top	10
9842	7390894	Ship	Sonic anemomber	0	Mast on wheelhouse top starboard yartarm	19
9845	7726524	Ship	Sonic anemomber	0	NULL	19
9846	7507370	Ship	Sonic anemomber	0	Mast on wheelhouse top starboard yartarm	19
9849	9361249	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	31
9869	9508392	Ship	Sonic anemomber	NULL	Mast on wheelhouse top	33
9884	9474137	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	40
9890	9444819	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	29
9926	9378450	Ship	Cup anemometer and wind vane (combined unit)	080 5403	Mast on wheelhouse top	51.3
9942	9588299	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	49
9949	7512052	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	19
9959	9387334	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	31
9960	9410959	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	31

9969	9425526	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	34
9994	9396139	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
9998	9396153	Ship	Sonic anemomber	WSC0006	Mast on wheelhouse top	45
10004	9396141	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
10006	9418731	Ship	Propeller vane	NULL	Mast on wheelhouse top	NULL
10016	9431824	Ship	Sonic anemomber	4184350027A	Mast on wheelhouse top	46
10027	9383948	Ship	Sonic anemomber	NULL	Mast on wheelhouse top	63
10027	9383948	Ship	Sonic anemomber	NULL	Aftmast	53.9
10028	NULL	NOAA	Propeller vane	NULL	Mast on wheelhouse top port yardarm	NULL
10073	9432218	Ship	Propeller vane	NULL	Other (specify)	35
10081	9314064	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	36
10083	9332212	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
10088	9492335	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	48
10090	9450727	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	24
10120	9199622	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	19
10121	9403322	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	35
10124	9287297	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
10135	9332315	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	33
10181	8504882	Ship	Cup anemometer and wind vane (combined unit)	0	Mast on wheelhouse top	33
10183	9434254	Ship	Propeller vane	None	Mainmast	57.3
10192	9333632	Ship	Propeller vane	NULL	Mast on wheelhouse top	39
10195	9367413	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	24
10197	9388431	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	20
10226	9313266	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	40
10237	8635227	Ship	Cup anemometer and wind vane (combined unit)	NULL	NULL	15
10238	8505850	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	23
10260	9519767	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	39
10295	9365829	Ship	Sonic anemomber	n/a	Mainmast	36
10305	9564384	Ship	Sonic anemomber	00.16420.010.006	Mainmast sarboard yardarm	35.4
10311	9469015	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	45
10312	9591741	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	32
10315	9425875	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	34
10339	9451094	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	31
10341	NULL	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
10395	9499917	Ship	Cup anemometer and wind vane (combined unit)	NULL	Other (specify)	30
10399	9500625	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	30
10426	9422067	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	37
10453	9303845	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	33
10508	8003292	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	27
10513	9483126	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
10525	9506722	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mainmast sarboard yardarm	18.9
10535	9587893	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	23
10563	9378486	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast port yardarm	49
10573	8856168	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
10608	9464326	Ship	Propeller vane	n/a	Mainmast sarboard yardarm	37
10656	9257802	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top port yardarm	31.4

10670	8306292	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
10672	9398424	Ship	Propeller vane	NULL	Mainmast port yardarm	42
10705	9395496	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	44
10790	9572329	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
10820	9365831	Ship	Sonic anemomber	n/a	Mainmast	33
10832	9437335	Ship	Propeller vane	0	Mainmast	45.6
10842	9445590	Ship	Propeller vane	123	Mainmast	57.3
10848	9434905	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
10853	9389643	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast port yardarm	40
10867	9479864	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	NULL
10881	9555723	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	54
10908	9487964	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
10909	9419644	Ship	Propeller vane	NULL	Mainmast	NULL
10949	9650597	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	18
10982	9270127	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	NULL
11050	9424912	Ship	Propeller vane	NULL	Mainmast	NULL
11100	9332999	Ship	Sonic anemomber	Unknown	Mainmast	47
11104	9333008	Ship	Cup anemometer and wind vane (combined unit)	Unknown	Mainmast	47
11141	9359674	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	23
11258	9422512	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	30
11402	9593426	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	38
11452	9471862	Ship	Propeller vane	NULL	Foremast	65
11457	9506459	Ship	Cup anemometer and wind vane (combined unit)	14516	Mast on wheelhouse top port yardarm	60.5
11457	9506459	Ship	Cup anemometer and wind vane (combined unit)	14516	Mast on wheelhouse top starboard yartarm	60.5
11461	9419668	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
11474	9178331	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	35
11479	9417012	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast port yardarm	32
11480	9417024	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top port yardarm	32
11498	9422201	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast port yardarm	32
11503	9422196	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast port yardarm	33
11504	9593866	Ship	Propeller vane	3214	Mast on wheelhouse top	33.7
11509	9417892	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top port yardarm	31.5
11513	9435909	Ship	Propeller vane	NULL	Mast on wheelhouse top	33
11516	9360465	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast port yardarm	33
11546	9476977	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	32
11548	9613836	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
11601	9554004	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	17
11649	9451460	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
11666	9253076	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast port yardarm	33
11700	9593878	Ship	Propeller vane	dc-10	Mast on wheelhouse top	33.7
11720	9644483	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
11728	9593919	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	45
11731	9606912	Ship	Cup anemometer and wind vane (seperate instruments)	Unknown	Other (specify)	54.5
11753	9578945	Ship	Sonic anemomber	1390-75-B313	Foremast	23
11800	9333034	Ship	Propeller vane	n/a	Mainmast	41.4
11801	9591674	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL

11806	9332975	Ship	Cup anemometer and wind vane (combined unit)	n/a	Mainmast	42
11855	9591131	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
11869	9348649	Ship	Cup anemometer and wind vane (combined unit)	Unknown	Mainmast	46
11909	9348651	Ship	Cup anemometer and wind vane (combined unit)	n/a	Mainmast	44
11917	9332987	Ship	Cup anemometer and wind vane (combined unit)	n/a	Mainmast	46
11927	9342176	Ship	Propeller vane	n/a	Mast on wheelhouse top	47
11966	9609407	Ship	Propeller vane	NULL	Mast on wheelhouse top	38.4
11971	9259680	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	34
12008	9624093	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	30
12012	9583720	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
12031	9558402	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	33
12034	9604093	Ship	Propeller vane	n/a	Mast on wheelhouse top	44
12050	9572331	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
12075	9667447	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	35
12079	9607136	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
12109	9623336	Ship	Cup anemometer and wind vane (combined unit)	NULL	Foremast	89
12111	9575668	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
12113	9600657	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
12118	9532513	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
12147	9631682	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
12155	9593907	Ship	Propeller vane	NULL	Mainmast sarboard yardarm	33.7
12157	9380764	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
12158	9644495	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
12170	9606821	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL
12181	9606924	Ship	Propeller vane	1130442	Other (specify)	54.7
12217	9597513	Ship	Cup anemometer and wind vane (combined unit)	unknown	Mast on wheelhouse top	50.5
12495	9595527	Ship	Propeller vane	n/a	Mast on wheelhouse top	46
12500	9595486	Ship	Propeller vane	n/a	Mainmast	46
12508	8800195	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	22
12519	9595462	Ship	Propeller vane	NULL	NULL	NULL
12521	9595515	Ship	Propeller vane	n/a	Mainmast port yardarm	42
12544	9629043	Ship	Propeller vane	n/a	Mainmast	45.4
12578	9629079	Ship	Propeller vane	n/a	Mast on wheelhouse top	46
12647	9675406	Ship	Propeller vane	n/a	Mainmast	38
12695	9333010	Ship	Sonic anemomber	n/a	Mast on wheelhouse top	38
12709	9629031	Ship	Propeller vane	n/a	Mast on wheelhouse top	46
12710	9549463	Ship	Sonic anemomber	Unknown	Foremast	52.9
12842	9675391	Ship	Propeller vane	Unknown	Mainmast	39
12867	9595450	Ship	Propeller vane	n/a	Mast on wheelhouse top	46
13004	9491900	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast port yardarm	35
13078	9333022	Ship	Propeller vane	Unknown	Mainmast	44
13093	9471226	Ship	Sonic anemomber	u	Mainmast	43
13258	9665281	Ship	Cup anemometer and wind vane (combined unit)	0	Mast on wheelhouse top	21
13336	9697832	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	NULL	35
13365	9685322	Ship	Sonic anemomber	Unknown	Mainmast	52
13404	9613941	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	30

13443	9680841	Ship	Propeller vane	324	Meteorological mast	44
13518	9355513	Ship	Propeller vane	Unknown	Mainmast port yardarm	43
13669	9604110	Ship	Propeller vane	n/a	Mainmast port yardarm	42
13714	9453987	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast port yardarm	35.9
13715	9656101	Ship	Sonic anemomber	Unknown	Foremast	52.9
13743	9595498	Ship	Propeller vane	n/a	Mast on wheelhouse top	46
13783	9426207	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	35.9
13804	9670585	Ship	Sonic anemomber	n/a	Mast on wheelhouse top starboard yartarm	43
13824	9595436	Ship	Propeller vane	Unknown	Mainmast	44
13929	9629122	Ship	Propeller vane	n/a	Mast on wheelhouse top	46
50	8109668	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast port yardarm	28
72	7729459	Ship	Propeller vane	NULL	Mainmast	28
166	5264510	Ship	Propeller vane	n/a	Mainmast	35
188	8121795	NULL	NULL	NULL	NULL	15
228	7617890	Ship	Propeller vane	0	Mast on wheelhouse top	33
367	7390155	NULL	NULL	NULL	NULL	51
393	7738591	NOAA	Propeller vane	4995	Mast on wheelhouse top	18
409	6728068	Ship	Propeller vane	P WM72746 S WM35732	Mainmast	15.8
526	7225855	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	12
558	9302102	Ship	Propeller vane	n/a	Mast on wheelhouse top	39
597	7329314	Ship	Cup anemometer and wind vane (combined unit)	NULL	NULL	28
615	6806444	Ship	Cup anemometer and wind vane (combined unit)	n/a	Mainmast	36
904	9260433	Ship	Propeller vane	NULL	Mast on wheelhouse top	35
977	5097187	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	12
1246	NULL	Ship	NULL	NULL	Mainmast	187
1409	9059614	Ship	Handheld anemometer	NULL	Handheld	29.7
1446	9059640	Ship	Handheld anemometer	NULL	Handheld	25.6
1543	8901406	Ship	Propeller vane	NULL	Mast on wheelhouse top	31
1622	9074391	Ship	Propeller vane	NULL	Mainmast	45
1623	9074535	NULL	NULL	NULL	NULL	45
1636	9059626	Ship	Handheld anemometer	NULL	Handheld	29.7
1662	8819512	Ship	Cup anemometer and wind vane (combined unit)	5543	Mast on wheelhouse top	50
1687	9106209	NULL	NULL	NULL	NULL	38
1817	9111620	Ship	Cup anemometer and wind vane (combined unit)	n/a	Mainmast	35
1857	8835217	Ship	Propeller vane	n/a	Mainmast	36
1900	9134244	Ship	Propeller vane	Unknown	Mainmast	37
1906	9059638	Ship	Handheld anemometer	NULL	Handheld	24
1915	9134256	Ship	Propeller vane	n/a	Mainmast port yardarm	48
1918	9142162	Ship	Propeller vane	Unknown	Mast on wheelhouse top port yardarm	50.3
1919	9155133	NULL	NULL	NULL	NULL	41
1951	9134270	Ship	Propeller vane	1265	Other (specify)	43.6
1957	9134268	Ship	Propeller vane	n/a	Mainmast	37
1966	9142198	Ship	Propeller vane	Unk	Mainmast port yardarm	41
1987	9134282	NULL	NULL	NULL	NULL	45
2023	9166792	NULL	NULL	NULL	NULL	35
2034	9082336	Ship	Propeller vane	NULL	Handheld	38

2055	9235531	NULL	NULL	NULL	NULL	33
2068	9181560	Ship	Propeller vane	n/a	Mast on wheelhouse top	38
2100	7437214	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	15
2110	9082348	Ship	Propeller vane	n/a	Mainmast	39
2127	6605242	NULL	NULL	NULL	NULL	16
2152	9214393	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	16
2187	7507411	Ship	Sonic anemomber	101	Mast on wheelhouse top starboard yartarm	13
2222	9236494	NULL	NULL	NULL	NULL	28
2274	9236509	NOAA	NULL	NULL	NULL	27
2657	9193252	Ship	Propeller vane	n/a	Mainmast	37
2713	9245756	Ship	Sonic anemomber	N/A	Mainmast	50
2786	6621662	Ship	Propeller vane	n/a	Mainmast	28
2788	9242364	NULL	NULL	NULL	NULL	27
2881	8842351	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	14
2932	9287900	Ship	Sonic anemomber	n/a	Mainmast	44.5
2985	9226061	Ship	Propeller vane	NULL	Mainmast	38
2991	9280859	Ship	Propeller vane	n/a	Mainmast	42
2997	9292230	Ship	Propeller vane	n/a	Mast on wheelhouse top	40
3035	9228370	Ship	Propeller vane	NULL	Mainmast	30
3047	9166704	Ship	Sonic anemomber	Unknown	Meteorological mast	43
3129	9057123	NULL	NULL	NULL	NULL	28
3158	9231822	Ship	Handheld anemometer	139	Other (specify)	42
3164	9301782	Ship	Propeller vane	Unk	Mainmast	41.5
3175	8964587	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	NULL	13
3209	9039016	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	24
3213	9142186	Ship	Propeller vane	NULL	Mainmast	39.4
3222	9055462	Ship	Propeller vane	Unknown	Mainmast	41
3226	9287912	NULL	NULL	NULL	NULL	37
3265	9290103	Ship	Propeller vane	n/a	Mainmast	46
3286	9189419	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	33
3336	8007793	Ship	Propeller vane	NULL	Mast on wheelhouse top starboard yartarm	31
3369	9141065	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	45
3397	8765503	NULL	NULL	NULL	NULL	NULL
3614	9218686	Ship	Propeller vane	n/a	Mast on wheelhouse top	37
3768	9193264	Ship	Sonic anemomber	NULL	Mainmast	48
4100	8110681	Ship	Propeller vane	NULL	Mast on wheelhouse top	34.2
5677	9193240	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	NULL
6428	7221251	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	18
6636	9298686	NULL	NULL	NULL	NULL	38
7702	9293466	Ship	Propeller vane	Unknown	Mast on wheelhouse top	41
8299	9301794	NULL	NULL	NULL	NULL	42
8408	9111644	Ship	Sonic anemomber	n/a	Mainmast	38
8579	7404047	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	NULL	16
8580	9298698	Ship	Propeller vane	n/a	Mast on wheelhouse top starboard yartarm	39
8771	8302246	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mainmast	35.9
8773	9128532	Ship	Cup anemometer and wind vane (combined unit)	14513IF1000H	Foremast	51.2

8773	9128532	Ship	Cup anemometer and wind vane (combined unit)	14513IF1000I	Foremast	51.2
8786	9367188	Ship	Propeller vane	n/a	Mainmast	42
8823	9111632	Ship	Sonic anemomber	N/A	Mainmast	38
8907	9353565	Ship	Propeller vane	NULL	Mainmast	NULL
9099	9123192	Ship	Sonic anemomber	n/a	Mainmast	38
9138	9353577	Ship	Propeller vane	NULL	Mast on wheelhouse top	31
9168	9244934	Ship	Propeller vane	Unknown	Mainmast	41
9218	9196852	Ship	Propeller vane	n/a	Mainmast	40
9522	9306990	Ship	Propeller vane	Unknown	Mainmast	43.5
9587	9348687	Ship	Cup anemometer and wind vane (combined unit)	n/a	Mainmast	44
9594	9353589	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	32
9835	7647560	Ship	Sonic anemomber	123	Mainmast	19
9844	7507394	Ship	Propeller vane	None	Mast on wheelhouse top	10
9886	9448425	Ship	Propeller vane	none	Meteorological mast	45
10249	9353606	Ship	Propeller vane	NULL	Mast on wheelhouse top starboard yartarm	38.9
10262	9402639	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	34
10390	876842	Ship	Cup anemometer and wind vane (combined unit)	5106	Other (specify)	109
10413	9301809	Ship	Propeller vane	n/a	Mainmast	41
10523	9416991	Ship	Propeller vane	n/a	Mainmast	46.3
10585	9418640	Ship	Sonic anemomber	Unk	Mast on wheelhouse top	37.4
10655	9550266	Ship	Propeller vane	N5096	Mainmast	24
10668	9365855	Ship	Propeller vane	608126	Mast on wheelhouse top	49
10685	9365843	Ship	Sonic anemomber	Unknown	Mainmast	33
10749	9469778	Ship	Propeller vane	NULL	Mainmast	NULL
10791	9579016	Ship	Cup anemometer and wind vane (combined unit)	NULL	Mast on wheelhouse top	NULL
10840	9356713	Ship	Propeller vane	NULL	Mast on wheelhouse top	27
10973	9365879	Ship	Sonic anemomber	n/a	Mainmast	38
11047	9400124	Ship	Sonic anemomber	Unknown	Mainmast port yardarm	39
11802	9428774	Ship	NULL	NULL	NULL	NULL
11844	9431680	Ship	Sonic anemomber	Unknown	Mainmast	44
12328	9597537	Ship	Propeller vane	NULL	Mainmast	NULL
12387	9462067	Ship	Propeller vane	n/a	Mainmast	35
12459	8023539	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	18
12719	9365867	Ship	Sonic anemomber	n/a	Mainmast	40
13313	9401063	Ship	Cup anemometer and wind vane (combined unit)	n/a	Mainmast	39
13445	9397913	Ship	Sonic anemomber	n/a	Mainmast	44.8
13456	9478585	Ship	Propeller vane	599405	Mainmast port yardarm	37
13486	9723241	Ship	Cup anemometer and wind vane (combined unit)	Unknown	Mainmast	42.5
13525	9566382	Ship	Propeller vane	n/a	Mast on wheelhouse top starboard yartarm	48.4
13591	9680853	Ship	Propeller vane	NULL	Mast on wheelhouse top starboard yartarm	44
13596	9292113	Ship	Propeller vane	n/a	Mainmast	38.5
13736	9425186	Ship	Propeller vane	N/A	Mainmast port yardarm	35
1679	9071557	NULL	NULL	NULL	NULL	43
2054	8813025	NULL	NULL	NULL	NULL	NULL
2096	9107837	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	NULL	17
2764	8218926	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	14

2856	7609269	NULL	NULL	NULL	NULL	13
3411	8035269	NULL	NULL	NULL	NULL	12
3412	7506003	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	13
8668	NULL	NULL	NULL	NULL	NULL	15
8704	8966705	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	14
10245	NULL	Ship	Cup anemometer and wind vane (seperate instruments)	NULL	Mast on wheelhouse top	NULL

<u>ship_id</u>	<u>imo_number</u>	<u>bow_distance</u>	<u>centerline_distance</u>	<u>height_deck</u>	<u>units</u>	<u>installation_date</u>	<u>callibration_date</u>	<u>domain</u>
8	8388607	NULL	NULL	NULL	NULL	NULL	NULL	NULL
14	8711344	34	0	8	NULL	5/1/2009	5/10/2012	NULL
20	5206362	15	1	12	mph	NULL	NULL	NULL
58	7729461	NULL	NULL	NULL	NULL	NULL	NULL	NULL
183	7812567	220	1	34	mph	NULL	NULL	NULL
200	5025691	15	0.5	18	KTS	NULL	NULL	NULL
206	7617905	200.1	15	24	KTS	NULL	NULL	NULL
227	7116315	181	0	5	kts	3/11/2009	3/11/2009	NULL
237	5065392	10	0.5	20	MPH	NULL	NULL	NULL
239	5322518	250	1	10	KTS	NULL	NULL	NULL
259	7320095	NULL	NULL	NULL	NULL	NULL	NULL	NULL
271	8892033	NULL	NULL	NULL	NULL	NULL	NULL	NULL
277	6710920	NULL	NULL	NULL	knots	NULL	NULL	NULL
280	7606061	250	0.5	20	KNOTS	NULL	NULL	NULL
314	8835619	NULL	NULL	NULL	NULL	NULL	NULL	NULL
316	7423392	280	1	18	KNOTS	NULL	3/26/2013	NULL
331	5173670	210	1	12	KNOTS	NULL	NULL	NULL
332	5148417	10	5.4	15	mph	NULL	NULL	NULL
341	7726495	NULL	NULL	NULL	NULL	NULL	NULL	NULL
348	5166768	NULL	NULL	NULL	NULL	NULL	NULL	NULL
350	7390260	250	NULL	18	NULL	NULL	NULL	NULL
354	7502320	198	0	3	mph	NULL	NULL	NULL
358	7802718	NULL	NULL	NULL	NULL	NULL	NULL	NULL
359	7408093	NULL	NULL	NULL	NULL	NULL	NULL	NULL
360	7738618	1	0	10.3	Knots	NULL	NULL	NULL
365	7318925	NULL	NULL	NULL	NULL	NULL	NULL	NULL
374	7321087	NULL	NULL	NULL	NULL	NULL	NULL	NULL
376	9271054	65	0	15	knots	NULL	NULL	NULL
389	7602338	19	8	22.3	KTS	NULL	NULL	NULL
394	8841826	NULL	NULL	NULL	NULL	NULL	NULL	NULL
395	7390272	220	2	27	knots	NULL	3/1/2013	NULL
412	7723821	NULL	NULL	NULL	knots	NULL	NULL	NULL
416	9270335	NULL	NULL	NULL	NULL	NULL	NULL	NULL
443	5277062	15	NULL	10	knots	NULL	NULL	NULL
444	6711003	19.2	3	12	KTS	NULL	NULL	NULL
450	7367471	30	12	16	KTS	NULL	NULL	NULL
458	7502576	NULL	NULL	NULL	NULL	NULL	NULL	NULL
462	7821154	151	2	2	Knots	NULL	NULL	NULL
468	7224306	13	14.2	14	KTS	NULL	NULL	NULL
488	7726500	8	1	3	KTS	NULL	NULL	NULL
501	7502564	NULL	NULL	NULL	NULL	NULL	NULL	NULL
508	7366312	40	0	8	KTS	8/2/2000	8/1/2012	NULL
528	6421086	NULL	NULL	NULL	NULL	NULL	NULL	NULL
544	7390909	NULL	NULL	NULL	NULL	NULL	NULL	NULL
552	5389554	NULL	NULL	23	NULL	NULL	NULL	NULL

1368	9035060	NULL	NULL	NULL	NULL	NULL	NULL	NULL
1370	6520454	23	0	12	knots	NULL	NULL	NULL
1392	9059602	157	0.5	10	Knots	7/15/1993	NULL	NULL
1419	8919257	45	0	25	knots	NULL	NULL	NULL
1422	8711356	42	0	8	kts	1/1/2008	5/2/2012	NULL
1437	9041253	42	0	8	kts	5/1/2009	5/1/2012	NULL
1445	9051478	NULL	NULL	NULL	NULL	NULL	NULL	NULL
1454	8312215	196	2	3	knots/ms	NULL	NULL	NULL
1510	9018658	135	13	NULL	NULL	NULL	NULL	NULL
1530	9053878	60	16	30	knots	3/20/1995	NULL	NULL
1566	8215481	240	16	32	one	5/10/2011	5/10/2011	NULL
1584	7047461	NULL	NULL	NULL	NULL	NULL	NULL	NULL
1632	9106182	NULL	NULL	NULL	knots	NULL	NULL	NULL
1656	9077123	190	8	32.1	Kt	NULL	NULL	NULL
1656	9077123	190	8	32.1	KT	NULL	NULL	NULL
1663	9070620	NULL	NULL	NULL	NULL	NULL	NULL	NULL
1664	9070632	NULL	NULL	NULL	NULL	NULL	NULL	NULL
1666	9077276	NULL	NULL	NULL	knots	NULL	NULL	NULL
1686	9074547	NULL	NULL	NULL	Knots	NULL	NULL	NULL
1709	9070058	99	3	10.5	Knots	5/8/1996	5/1/2013	NULL
1777	1234	NULL	NULL	NULL	NULL	NULL	NULL	NULL
1779	9075228	NULL	NULL	NULL	knots	NULL	NULL	NULL
1791	9103128	580	12.2	9.1	KTS and M/S	9/6/1995	9/19/2013	NULL
1839	9072446	62	14	36	KTS	NULL	NULL	NULL
1840	9102992	48.5	15.4	4.8	Knots	1/15/1995	NULL	NULL
1840	9102992	48.5	15.4	4.8	Knots	1/15/1996	NULL	NULL
1842	9105798	NULL	NULL	NULL	NULL	NULL	NULL	NULL
1852	9116577	263.4	18.2	36	KTS	NULL	NULL	NULL
1853	7501106	270	0	15	mph	NULL	NULL	NULL
1854	9116589	263.2	18.3	36	KTS	NULL	NULL	NULL
1865	9116618	215	12.5	42	kt	NULL	NULL	NULL
1872	9102978	106	16	18	Knots	9/15/1996	NULL	NULL
1872	9102978	106	16	16	Knots	9/15/1996	NULL	NULL
1873	9143001	NULL	NULL	NULL	Knots	NULL	NULL	NULL
1876	9116606	273.1	18.3	35	KTS	NULL	NULL	NULL
1879	9118721	33.7	NULL	13.4	knots	NULL	4/5/2007	NULL
1890	9126297	43	1	6	NULL	4/12/1996	3/22/1996	NULL
1892	9106302	NULL	NULL	NULL	NULL	NULL	NULL	NULL
1893	9111802	40	0	6	Kts	NULL	5/4/2012	NULL
1904	9116864	NULL	NULL	NULL	NULL	NULL	NULL	NULL
1909	9074389	NULL	NULL	NULL	Knots	NULL	NULL	NULL
1914	9155121	NULL	NULL	NULL	NULL	NULL	NULL	NULL
1929	9143025	NULL	NULL	56	NULL	NULL	NULL	NULL
1930	5105831	189	2	17	KNOTS	NULL	NULL	NULL
1932	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
1940	8835255	2.4	0.3	2	knots	NULL	3/8/2013	NULL

2160	8036586	8.2	4	18	KTS	NULL	NULL	NULL
2165	9228136	161	1	3.5	knots	NULL	NULL	NULL
2180	9118628	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2183	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2184	7802627	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2185	7509445	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2186	9189421	86	1	22.3	Knots	6/9/2000	NULL	NULL
2186	9189421	86	1	22.3	Knots	6/9/2000	NULL	NULL
2188	9178379	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2189	9178381	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2190	9214381	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2191	9214408	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2196	7638478	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2198	5408491	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2201	9195195	87	NULL	NULL	NULL	NULL	NULL	NULL
2205	7397658	8	1.5	3	kts	NULL	NULL	NULL
2206	5228827	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2213	9138850	33	2	2	kts	NULL	NULL	NULL
2214	9156527	NULL	NULL	35	NULL	NULL	NULL	NULL
2230	9192387	82	0.5	13.3	Knots	6/16/2010	NULL	NULL
2230	9192387	82	0.5	13.3	Knots	6/16/2010	NULL	NULL
2232	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2233	7390143	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2234	9223954	30	0	10	KTS	3/1/2001	3/24/2011	NULL
2236	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2241	9180229	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2243	5351052	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2248	9139830	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2249	7528817	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2253	7512002	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2255	9193563	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2258	7502332	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2266	5218183	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2268	7829778	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2269	9241310	NULL	NULL	45	NULL	NULL	NULL	NULL
2272	7208431	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2276	7047708	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2283	9118630	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2290	9241322	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2291	9226035	180.3	5	24	KTS	NULL	NULL	NULL
2295	7408081	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2296	9228148	161	1	3.5	knots	NULL	NULL	NULL
2297	7929308	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2423	8309830	157	3	3	Kts	6/7/2006	NULL	NULL
2663	9241308	NULL	5	34.1	kts	NULL	NULL	NULL
2670	9186792	32	1	9	Knots	NULL	NULL	NULL

2833	7114068	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2840	9268538	NULL	NULL	40	NULL	NULL	NULL	NULL
2852	8845767	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2860	9244659	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2867	9271133	60	0	15	KNOTS	NULL	NULL	NULL
2871	9221281	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2872	9188037	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2873	9156515	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2883	9102291	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2888	9245483	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2889	9143037	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2890	9254654	175	3	2	kts	NULL	NULL	NULL
2899	9221279	42	NULL	33	NULL	NULL	NULL	NULL
2901	9226891	49.7	3	3	Knots	10/25/2004	NULL	NULL
2901	9226891	49.7	3	3	Knots	10/25/2004	NULL	NULL
2902	8700280	85	1	12	Knots	6/15/1998	NULL	NULL
2906	8964719	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2908	9161728	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2909	7114288	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2910	9087489	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2912	7050030	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2930	9224532	208.3	4	6	Knots	NULL	NULL	NULL
2948	9227039	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2954	9168843	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2955	9168879	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2958	9131369	189	3	17	KNOTS	NULL	NULL	NULL
2978	9236389	49	1.5	8	kts	12/1/2015	12/1/2015	NULL
2981	8987931	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2995	9198408	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2998	9224726	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3006	9218662	194.3	1	4	Knots	NULL	NULL	NULL
3015	9278492	146	1	3	Knots	NULL	NULL	NULL
3036	9244661	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3044	7641384	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3057	9273674	NULL	NULL	NULL	knots	NULL	NULL	NULL
3061	9295830	46.8	3.3	5	knots	2/1/2005	2/1/2005	NULL
3071	9116890	224.5	2.5	9	Knots	NULL	NULL	NULL
3075	9237357	47	16	37	KTS	NULL	NULL	NULL
3078	9188154	153.1	3.7	29.6	KTS	NULL	NULL	NULL
3105	9196967	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3112	7914236	217	0	20	knots	NULL	NULL	NULL
3113	7634226	275	1	15	KTS	NULL	NULL	NULL
3117	9244673	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3123	9243203	195.4	1.6	4.5	knots	NULL	11/13/2012	NULL
3126	9290127	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3128	9213947	93	1	2.5	Knots	NULL	NULL	NULL

3319	9238272	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3325	9137337	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3327	9362190	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3328	9300427	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3330	9243174	192	3	4.4	Knots	NULL	NULL	NULL	NULL
3331	9196955	NULL	NULL	49	NULL	NULL	NULL	NULL	NULL
3333	7367146	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3343	9300441	NULL	NULL	NULL	knots	NULL	NULL	NULL	NULL
3344	9118147	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3345	9233466	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3347	9317406	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3348	9218650	NULL	NULL	NULL	knots	NULL	NULL	NULL	NULL
3349	9330604	NULL	NULL	35	NULL	NULL	NULL	NULL	NULL
3350	9218399	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3352	9295000	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3354	9305635	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3357	9330599	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3361	9209221	NULL	NULL	36	NULL	NULL	NULL	NULL	NULL
3363	9304057	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3364	7513343	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3372	9304045	76	1.5	7	kts	NULL	NULL	NULL	NULL
3388	7826908	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3389	9200940	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3393	9301811	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3399	9265809	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3407	7390210	250	0.5	20	kts	NULL	NULL	NULL	NULL
3409	6407834	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3413	9227508	93.2	0.5	18.7	Knots	11/18/2002	11/18/2002	NULL	NULL
3413	9227508	93.2	0.5	18.7	Knots	11/18/2002	11/18/2002	NULL	NULL
3418	8617445	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3419	9168867	263.1	18.1	32	KTS	NULL	NULL	NULL	NULL
3422	9289491	200	0.1	7	kts	5/3/2006	5/1/2009	NULL	NULL
3423	9195157	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3430	9167227	100	0.5	4.1	Knots	1/26/2011	6/26/2013	NULL	NULL
3430	9167227	100	0.5	4.1	Knots	12/1/2010	1/5/2011	NULL	NULL
3431	9265873	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3432	9342281	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3478	9224312	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3482	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3491	8754140	0	0	6	KT	NULL	NULL	NULL	NULL
3617	9218674	NULL	NULL	NULL	Knots	NULL	NULL	NULL	NULL
3735	9250892	208.9	2.1	5.5	knots and m/s	3/1/2003	3/1/2003	NULL	NULL
3916	9229348	NULL	NULL	NULL	Knots	NULL	NULL	NULL	NULL
4027	9121273	185	3	3	Knots	NULL	NULL	NULL	NULL
4133	9182942	203.5	2	3	Knots	NULL	NULL	NULL	NULL
4247	9265885	147.5	4	3	knots	NULL	NULL	NULL	NULL

8802	9300477	NULL	NULL	NULL	knots	NULL	NULL	NULL
8805	7367172	NULL	NULL	NULL	NULL	NULL	NULL	NULL
8806	9362530	90.5	17.4	17.5	Knots	10/1/2008	10/1/2008	NULL
8806	9362530	90.5	17.4	17.5	Knots	10/1/2008	10/1/2008	NULL
8809	9239484	NULL	NULL	NULL	NULL	NULL	NULL	NULL
8817	9353553	151.5	1	14	Knots	NULL	NULL	NULL
8818	9267950	NULL	NULL	NULL	NULL	NULL	NULL	NULL
8820	9252539	155	2	4	Knots	NULL	NULL	NULL
8821	9246621	218	11.3	5.8	Knots	NULL	NULL	NULL
8828	9360336	NULL	NULL	NULL	NULL	NULL	NULL	NULL
8841	9355135	NULL	NULL	NULL	NULL	NULL	NULL	NULL
8843	9199828	208.2	1.5	7	Knots	NULL	NULL	NULL
8845	9281009	NULL	NULL	NULL	NULL	NULL	NULL	NULL
8847	9126819	75	0	5	Kts	NULL	5/3/2012	NULL
8850	9386122	33	1	19	Knots	NULL	6/3/2013	NULL
8900	9374284	NULL	NULL	NULL	NULL	NULL	NULL	NULL
8918	9407562	166	2	6.5	Knots	NULL	NULL	NULL
8961	9359038	NULL	NULL	NULL	knots	NULL	NULL	NULL
8971	9386304	NULL	NULL	NULL	NULL	NULL	NULL	NULL
8979	9260445	12	0	21	Knots	NULL	NULL	NULL
8998	9386299	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9011	9300386	NULL	NULL	NULL	knots	NULL	NULL	NULL
9019	9359014	274.6	18.1	28	KTS	NULL	NULL	NULL
9023	9418729	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9042	9346029	38.5	1	12	Knots	8/10/2007	NULL	NULL
9042	9346029	NULL	NULL	NULL	Knots	8/10/2007	NULL	NULL
9058	9378474	36	0	8	Kts	5/19/2010	5/19/2011	NULL
9059	9371062	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9060	9354911	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9068	9409936	33	1	19	Knots	NULL	NULL	NULL
9079	9377236	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9123	9265794	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9134	9259276	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9137	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9161	9398905	74.1	2.6	12.1	Knots	6/15/2009	NULL	NULL
9166	9398228	228	19	29	KTS	NULL	NULL	NULL
9179	9271145	120	5	12	knots	NULL	NULL	NULL
9183	7940467	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9191	9337511	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9197	9247144	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9200	9377248	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9201	9407122	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9202	9377224	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9204	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9219	9161259	207	2	3	Knots	NULL	NULL	NULL
9240	9349071	30	NULL	9	knots	10/1/2009	1/11/2010	NULL

9969	9425526	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9994	9396139	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9998	9396153	190	2	4.5	Kts	10/14/2009	NULL	NULL
10004	9396141	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10006	9418731	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10016	9431824	195.5	0	12	Knots	NULL	NULL	NULL
10027	9383948	113.2	0.5	11.8	Knots	NULL	NULL	NULL
10027	9383948	330.3	0	9.8	Knots	NULL	NULL	NULL
10028	NULL	NULL	NULL	NULL	Knots	NULL	NULL	NULL
10073	9432218	152	2	6.5	Knots	NULL	NULL	NULL
10081	9314064	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10083	9332212	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10088	9492335	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10090	9450727	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10120	9199622	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10121	9403322	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10124	9287297	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10135	9332315	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10181	8504882	210	0	21	knots	NULL	8/7/2014	NULL
10183	9434254	60	3	8	KTS	3/29/2011	1/3/2013	NULL
10192	9333632	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10195	9367413	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10197	9388431	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10226	9313266	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10237	8635227	32	0	12	knots	NULL	NULL	NULL
10238	8505850	220	1	20	knots	NULL	NULL	NULL
10260	9519767	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10295	9365829	144	1	5	Knots	NULL	NULL	NULL
10305	9564384	165	5	8.5	Knots	NULL	NULL	NULL
10311	9469015	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10312	9591741	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10315	9425875	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10339	9451094	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10341	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10395	9499917	20.6	3	30	Kts	NULL	NULL	NULL
10399	9500625	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10426	9422067	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10453	9303845	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10508	8003292	223	0	20	NULL	NULL	NULL	NULL
10513	9483126	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10525	9506722	92.5	1	2	Kts	NULL	NULL	NULL
10535	9587893	220	0.5	27	knots	NULL	NULL	NULL
10563	9378486	36	0	5	Kts	NULL	NULL	NULL
10573	8856168	NULL	NULL	NULL	NULL	NULL	NULL	NULL
10608	9464326	154.4	2	32	knots	NULL	NULL	NULL
10656	9257802	211	2	3	Kts	NULL	NULL	NULL

11806	9332975	232.5	1	10	Knots	NULL	NULL	NULL
11855	9591131	NULL	NULL	NULL	NULL	NULL	NULL	NULL
11869	9348649	228.3	1	6	Knots	NULL	NULL	NULL
11909	9348651	226	1	7.5	Knots	NULL	NULL	NULL
11917	9332987	228.2	0	4	Knots	NULL	NULL	NULL
11927	9342176	230.2	1.5	10.1	Knots	NULL	NULL	NULL
11966	9609407	35	0.5	10	Knots	1/17/2013	1/17/2013	NULL
11971	9259680	NULL	NULL	NULL	NULL	NULL	NULL	NULL
12008	9624093	NULL	NULL	NULL	NULL	NULL	NULL	NULL
12012	9583720	NULL	NULL	NULL	NULL	NULL	NULL	NULL
12031	9558402	NULL	NULL	NULL	NULL	NULL	NULL	NULL
12034	9604093	237.5	1	8	Knots	NULL	NULL	NULL
12050	9572331	NULL	NULL	NULL	NULL	NULL	NULL	NULL
12075	9667447	NULL	NULL	NULL	NULL	NULL	NULL	NULL
12079	9607136	NULL	NULL	NULL	NULL	NULL	NULL	NULL
12109	9623336	29	1	3	Knots	NULL	NULL	NULL
12111	9575668	NULL	NULL	NULL	NULL	NULL	NULL	NULL
12113	9600657	NULL	NULL	NULL	NULL	NULL	NULL	NULL
12118	9532513	NULL	NULL	NULL	NULL	NULL	NULL	NULL
12147	9631682	NULL	NULL	NULL	NULL	NULL	NULL	NULL
12155	9593907	183	5	6	Knots	NULL	NULL	NULL
12157	9380764	NULL	NULL	NULL	NULL	NULL	NULL	NULL
12158	9644495	NULL	NULL	NULL	NULL	NULL	NULL	NULL
12170	9606821	NULL	NULL	NULL	NULL	NULL	NULL	NULL
12181	9606924	76.6	1.9	9.5	Knots	2/11/2013	8/29/2013	NULL
12217	9597513	245	8	50.5	knots	NULL	NULL	NULL
12495	9595527	235.5	4	7	Knots	NULL	NULL	NULL
12500	9595486	235.5	4	7	Knots	NULL	NULL	NULL
12508	8800195	NULL	NULL	NULL	NULL	NULL	NULL	NULL
12519	9595462	NULL	NULL	NULL	NULL	NULL	NULL	NULL
12521	9595515	236	2	6	Knots	NULL	NULL	NULL
12544	9629043	235.3	4	7	Knots	NULL	NULL	NULL
12578	9629079	235.5	4	7	Knots	NULL	NULL	NULL
12647	9675406	140.5	1.5	14	Knots	NULL	NULL	NULL
12695	9333010	229.5	9	3	Knots	NULL	NULL	NULL
12709	9629031	234	3	5	Knots	NULL	NULL	NULL
12710	9549463	15	2	22.9	Knots	NULL	NULL	NULL
12842	9675391	140.4	2	13	Knots	NULL	NULL	NULL
12867	9595450	235.5	4	7	Knots	NULL	NULL	NULL
13004	9491900	139.9	2	3	Knots	NULL	NULL	NULL
13078	9333022	233	0.5	5	Knots	NULL	NULL	NULL
13093	9471226	197.6	1	6	Knots	NULL	NULL	NULL
13258	9665281	217	0.5	15	knots	NULL	NULL	NULL
13336	9697832	NULL	NULL	NULL	NULL	NULL	NULL	NULL
13365	9685322	252.5	1	8	Knots	NULL	NULL	NULL
13404	9613941	217	0.5	20	NULL	NULL	NULL	NULL

13443	9680841	182	2	6	KNOTS	11/1/2015	11/1/2015	NULL
13518	9355513	162.2	1.3	6	KTS	8/1/2008	NULL	NULL
13669	9604110	236	2	6	Knots	NULL	NULL	NULL
13714	9453987	212.5	2	9.8	Knots	NULL	NULL	NULL
13715	9656101	15	2	22.9	Knots	NULL	NULL	NULL
13743	9595498	235.5	4	7	Knots	NULL	NULL	NULL
13783	9426207	212.5	1	3.9	Knots	4/26/2010	4/26/2010	NULL
13804	9670585	130.7	4	3	m/s	NULL	NULL	NULL
13824	9595436	228.2	2	7	Knots	NULL	NULL	NULL
13929	9629122	234	3	5	Knots	NULL	NULL	NULL
50	8109668	180	1	3	Knots	NULL	NULL	NULL
72	7729459	NULL	NULL	NULL	knots	NULL	NULL	NULL
166	5264510	96.5	2	19.2	Knots	NULL	NULL	NULL
188	8121795	NULL	NULL	NULL	NULL	NULL	NULL	NULL
228	7617890	205	16.9	24	KTS	NULL	NULL	NULL
367	7390155	NULL	NULL	NULL	NULL	NULL	NULL	NULL
393	7738591	NULL	NULL	NULL	knots	NULL	NULL	NULL
409	6728068	9.1	0.8	8	knots	1/27/2013	12/15/2012	NULL
526	7225855	221	5	9	NULL	NULL	NULL	NULL
558	9302102	208.3	2	5	Knots	NULL	NULL	NULL
597	7329314	200	1	28	KNOTS	NULL	NULL	NULL
615	6806444	NULL	NULL	NULL	NULL	NULL	NULL	NULL
904	9260433	253	17	39	KTS	NULL	NULL	NULL
977	5097187	5	1	4	mph	NULL	NULL	NULL
1246	NULL	NULL	NULL	185	NULL	12/1/1976	NULL	NULL
1409	9059614	153	0	0	Knots	NULL	NULL	NULL
1446	9059640	157	25	2	Knots	6/15/2002	NULL	NULL
1543	8901406	99	0	5	Knots	NULL	NULL	NULL
1622	9074391	NULL	NULL	NULL	knots	NULL	NULL	NULL
1623	9074535	NULL	NULL	NULL	NULL	NULL	NULL	NULL
1636	9059626	157	12.6	2	Knots	NULL	NULL	NULL
1662	8819512	90	0	9	Knots	NULL	5/16/2000	NULL
1687	9106209	NULL	NULL	NULL	NULL	NULL	NULL	NULL
1817	9111620	217.5	1.5	10	Knots	NULL	NULL	NULL
1857	8835217	49	0	18	Knots	NULL	NULL	NULL
1900	9134244	224.5	4	5	Knots	NULL	NULL	NULL
1906	9059638	157	26	2	Knots	NULL	NULL	NULL
1915	9134256	219	5	10	Knots	NULL	NULL	NULL
1918	9142162	222	7	9	Knots	NULL	NULL	NULL
1919	9155133	NULL	NULL	NULL	NULL	NULL	NULL	NULL
1951	9134270	219.6	5.7	7.6	Knots	NULL	NULL	NULL
1957	9134268	224.5	4	5	Knots	NULL	NULL	NULL
1966	9142198	219.6	7	15	Knots	NULL	NULL	NULL
1987	9134282	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2023	9166792	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2034	9082336	NULL	NULL	NULL	knots	NULL	NULL	NULL

2055	9235531	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2068	9181560	53.5	3	3	Knots	NULL	NULL	NULL
2100	7437214	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2110	9082348	231.5	1.5	10	Knots	NULL	NULL	NULL
2127	6605242	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2152	9214393	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2187	7507411	8	2	3	KTS	NULL	1/2/2012	NULL
2222	9236494	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2274	9236509	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2657	9193252	220	2	6	Knots	NULL	NULL	NULL
2713	9245756	219	0	28	Knots	NULL	NULL	NULL
2786	6621662	89.6	5	10	Knots	NULL	NULL	NULL
2788	9242364	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2881	8842351	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2932	9287900	NULL	2	5	Knots	NULL	NULL	NULL
2985	9226061	180	5	29.1	KTS	NULL	NULL	NULL
2991	9280859	226.5	0	7	Knots	NULL	NULL	NULL
2997	9292230	219	5	8.5	Knots	NULL	NULL	NULL
3035	9228370	147	3	4	Knots	NULL	NULL	NULL
3047	9166704	85	0	7	Knots	NULL	NULL	NULL
3129	9057123	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3158	9231822	222.7	12	5	Meters per second	NULL	NULL	NULL
3164	9301782	194.3	2	6	Knots	NULL	NULL	NULL
3175	8964587	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3209	9039016	14	0	7	knots	NULL	NULL	NULL
3213	9142186	224.5	5	6	kts	NULL	NULL	NULL
3222	9055462	220.9	7	10	Knots	NULL	NULL	NULL
3226	9287912	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3265	9290103	195.5	1	1	Knots	NULL	NULL	NULL
3286	9189419	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3336	8007793	210	1.1	4	knots and m/s	8/1/1991	8/1/1991	NULL
3369	9141065	70	1	8	Knots	NULL	NULL	NULL
3397	8765503	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3614	9218686	193.5	0.5	5	Knots	NULL	NULL	NULL
3768	9193264	221	0.5	10	Knots	NULL	NULL	NULL
4100	8110681	190	1	14	NULL	NULL	NULL	NULL
5677	9193240	NULL	NULL	NULL	Knots	NULL	NULL	NULL
6428	7221251	15	0	12	NULL	NULL	NULL	NULL
6636	9298686	NULL	NULL	NULL	NULL	NULL	NULL	NULL
7702	9293466	219.5	8	5	Knots	NULL	NULL	NULL
8299	9301794	NULL	NULL	NULL	NULL	NULL	NULL	NULL
8408	9111644	217.5	1.5	13	Knots	NULL	NULL	NULL
8579	7404047	NULL	NULL	NULL	NULL	NULL	NULL	NULL
8580	9298698	216.7	3	9	Knots	NULL	NULL	NULL
8771	8302246	117	2	4.5	Knots	NULL	9/1/2007	NULL
8773	9128532	66.7	16.1	9	Knots	8/5/2008	8/5/2008	NULL

