

Ship	Timez	Speed	Heading	Comment	Timel	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
ONTARIO	193706171800	9.0	304	c/x	193706170700	0.0000	0.0000	se	16	29.870	83	79	84	bc	cu	se	5	40	1	e
ONTARIO	193706171900	10.6	297	fixx	193706170800	-12.9667	187.5500	nexe	20	29.900	78	78	84	org	nb	nexe	10	40	2	nexe
ONTARIO	193706172000	10.6	297		193706170800	-12.8867	187.3882	nexe	20	29.900	78	78	84	org	nb	nexe	10	40	2	nexe
ONTARIO	193706172100	10.6	297		193706170900	-12.8067	187.2265	ne	20	29.910	77	76	84	c	cu nb	ne	9	40	2	ne
ONTARIO	193706172200	10.6	297		193706171000	-12.7267	187.0648	ne	16	29.900	72	77	84	c	a cu	ne	6	50	2	ne
ONTARIO	193706172300	10.6	297		193706171100	-12.6467	186.9032	ne	16	29.890	86	80	84	bc	a cu	ne	5	51	2	ne
ONTARIO	193706172400	10.0	301	fixx	193706171200	-12.5667	186.7417	ne	16	29.880	90	82	84	c	a cu	ne	7	51	2	ne
ONTARIO	193706180100	10.0	301		193706171300	-12.4812	186.5946	e	7	29.860	88	86	84	bc	a st	e	5	45	1	e
ONTARIO	193706180200	10.0	301		193706171400	-12.3958	186.4476	e	7	29.840	84	79	84	c	cu	e	7	45	1	e
ONTARIO	193706180300	10.0	301		193706171500	-12.3104	186.3006	nw	7	29.830	82	78	84	bc	cu	nw	5	45	1	ne
ONTARIO	193706180400	10.0	301		193706171600	-12.2250	186.1537	se	7	29.830	82	79	84	bc	cu	se	3	45	1	ne
ONTARIO	193706180500	10.0	301		193706171700	-12.1396	186.0069	ese	16	29.840	83	79	84	c	a st	ese	7	50	1	e
ONTARIO	193706180600	10.0	301		193706171800	-12.0542	185.8601	ese	16	29.850	82	79	84	bc	cu	ese	6	50	1	e
ONTARIO	193706180700	10.0	301		193706171900	-11.9688	185.7134	e	16	29.860	82	79	84	c	cu	e	7	50	1	e
ONTARIO	193706180800	9.3	300	fixx	193706172000	-11.8833	185.5667	e	16	29.870	81	79	84	c	cu	e	7	45	1	e
ONTARIO	193706180900	9.3	300		193706172100	-11.8068	185.4299	e	16	29.870	81	78	84	bc	cu	e	4	45	1	e
ONTARIO	193706181000	9.3	300		193706172200	-11.7302	185.2932	e	16	29.860	81	78	84	bc	cu	e	6	45	1	e
ONTARIO	193706181100	9.3	300		193706172300	-11.6537	185.1565	e	16	29.850	81	79	84	cp	cu nb	e	7	45	1	e
ONTARIO	193706181200	9.3	300		193706172400	-11.5771	185.0199	e	16	29.850	81	78	84	cp	cu nb	e	7	40	1	e
ONTARIO	193706181220	9.4	289	c/c	193706180020	-11.5516	184.9744		0	0.000	0	0	0				0	0	0	
ONTARIO	193706181300	9.4	289		193706180100	-11.5174	184.8740	ne	11	29.850	81	78	84	bc	cu	n	5	40	1	e
ONTARIO	193706181400	9.4	289		193706180200	-11.4661	184.7235	n	11	29.850	81	78	84	bc	cu	n	5	40	1	e
ONTARIO	193706181500	9.4	289		193706180300	-11.4148	184.5729	n	7	29.840	81	78	84	bc	cu	n	3	40	1	e
ONTARIO	193706181600	9.4	289		193706180400	-11.3635	184.4225	n	7	29.840	81	78	84	bc	cu	n	2	40	1	e
ONTARIO	193706181700	9.4	289		193706180500	-11.3122	184.2720	n	7	29.850	81	78	84	bc	cu	n	2	40	1	e
ONTARIO	193706181800	9.4	289		193706180600	-11.2609	184.1216	n	11	29.850	81	78	84	bc	cu	n	2	40	1	e
ONTARIO	193706181900	9.4	289		193706180700	-11.2096	183.9712	n	11	29.870	86	80	84	bc	cu	n	2	50	1	nxe
ONTARIO	193706182000	10.4	302	fixx	193706180800	-11.1583	183.8208	nxe	11	29.890	91	82	84	bc	cu	nxe	4	51	1	nxe
ONTARIO	193706182100	10.4	302		193706180900	-11.0667	183.6718	nxe	11	29.890	95	84	83	bc	cu	nxe	5	51	1	nxe
ONTARIO	193706182200	10.4	302		193706181000	-10.9750	183.5228	nxe	11	29.890	93	82	83	bc	cu	nxe	3	51	1	nxe
ONTARIO	193706182300	10.4	302		193706181100	-10.8833	183.3739	ne	16	29.870	90	82	83	bc	cu	ne	4	51	1	nxe
ONTARIO	193706182400	8.4	297	fixx	193706181200	-10.7917	183.2250	ne	16	29.860	91	82	83	bc	cu	ne	5	51	1	nxe
ONTARIO	193706190100	8.4	297		193706181300	-10.7271	183.0978	n	7	29.840	92	83	83	bc	cu	n	2	51	1	e
ONTARIO	193706190200	8.4	297		193706181400	-10.6625	182.9707	e	7	29.840	91	83	83	bc	cu	n	2	51	1	e
ONTARIO	193706190300	8.4	297		193706181500	-10.5979	182.8436	e	11	29.800	91	83	83	bc	cu	n	2	51	1	e
ONTARIO	193706190400	8.4	297		193706181600	-10.5333	182.7165	e	11	29.790	88	81	83	bc	cu	n	5	51	1	e
ONTARIO	193706190500	8.4	297		193706181700	-10.4688	182.5894	e	16	29.800	84	80	83	bc	cu	e	5	51	1	e
ONTARIO	193706190600	8.4	297		193706181800	-10.4042	182.4623	e	16	29.820	84	80	83	bc	cu	e	4	50	1	e
ONTARIO	193706190700	8.4	297		193706181900	-10.3396	182.3353	e	16	29.830	83	80	83	bc	cu	e	5	45	1	e
ONTARIO	193706190800	9.1	291	fixx	193706182000	-10.2750	182.2083	e	16	29.840	83	79	83	bc	cu	e	5	45	1	e
ONTARIO	193706190900	9.1	291		193706182100	-10.2201	182.0637	e	16	29.850	84	80	83	bc	cu	e	3	45	1	e
ONTARIO	193706191000	9.1	291		193706182200	-10.1653	181.9192	e	11	29.860	85	80	83	bc	cu	e	5	45	1	e
ONTARIO	193706191100	9.1	291		193706182300	-10.1104	181.7746	e	11	29.860	85	80	83	cp	cu nb	e	7	45	1	e
ONTARIO	193706191200	9.1	291		193706182400	-10.0556	181.6301	e	16	29.860	81	79	83	cprq	cu nb	e	8	45	1	e
ONTARIO	193706191300	9.1	291		193706190100	-10.0007	181.4856	ne	7	29.850	81	78	83	bc	cu	ne	5	45	1	se
ONTARIO	193706191400	9.1	291		193706190200	-9.9458	181.3412	ne	11	29.850	80	78	83	c	cu	ne	7	45	1	se
ONTARIO	193706191500	9.1	291		193706190300	-9.8910	181.1968	e	11	29.840	81	70	83	bc	cu	e	5	45	1	se
ONTARIO	193706191600	9.1	291		193706190400	-9.8361	181.0524	e	16	29.840	81	78	83	bc	cu	e	3	45	1	se
ONTARIO	193706191700	9.1	291		193706190500	-9.7813	180.9080	ne	16	29.830	82	79	83	bc	cu	ne	4	45	1	se
ONTARIO	193706191800	9.1	291		193706190600	-9.7264	180.7636	ne	16	29.840	82	78	83	c	cu	ne	7	45	1	se
ONTARIO	193706191900	9.1	291		193706190700	-9.6715	180.6193	n	16	29.850	84	79	83	bc	cu	n	6	50	1	se
ONTARIO	193706192000	10.5	297	fixx	193706190800	-9.6167	180.4750	n	16	29.860	85	79	83	bc	cu	n	5	51	1	e
ONTARIO	193706192100	10.5	297		193706190900	-9.5388	180.3166	n	16	29.890	85	79	83	bc	cu	n	3	51	1	e
ONTARIO	193706192200	10.5	297		193706191000	-9.4608	180.1583	n	16	29.880	86	79	83	bc	cu	n	4	51	1	e
ONTARIO	193706192300	10.5	297		193706191100	-9.3829	180.0000	nnw	16	29.890	86	79	83	bc	cu	nnw	4	51	1	e
ONTARIO	193706192315	10.5	297		193706201115	-9.3634	179.9604		0	0.000	0	0	0				0	0	0	
ONTARIO	193706192400	10.0	302	fixx	193706201200	-9.3050	179.8417	nnw	16	29.870	85	80	83	bc	cu	nnw	3	51	1	e
ONTARIO	193706200100	10.0	302		193706201300	-9.2169	179.6992	nw	11	29.850	85	79	83	bc	ci	nw	3	51	1	e
ONTARIO	193706200200	10.0	302		193706201400	-9.1288	179.5569	nw	7	29.830	85	79	83	bc	ci cu	nw	4	51	1	e
ONTARIO	193706200300	10.0	302		193706201500	-9.0406	179.4145	nw	7	29.820	84	78	83	bc	ci cu	nw	5	51	1	e
ONTARIO	193706200400	10.0	302		193706201600	-8.9525	179.2722	nw	7	29.810	83	77	83	bc	ci	nw	4	51	1	e
ONTARIO	193706200500	10.0	302		193706201700	-8.8644	179.1299	nw	7	29.830	83	78	83	bc	ci cu	nw	5	51	1	e
ONTARIO	193706200600	10.0	302		193706201800	-8.7762	178.9877	nw	7	29.840	82	78	83	bc	cu	nw	6	51	1	e

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
ONTARIO	193706200700	10.0	302		193706201900	-8.6881	178.8455	nw	7	29.840	82	77	83	bc	cu	ne	5	45	1	e
ONTARIO	193706200800	9.4	302	fixx	193706202000	-8.6000	178.7033	nw	7	29.840	82	77	83	bc	cu	nw	4	45	1	e
ONTARIO	193706200900	9.4	302		193706202100	-8.5162	178.5697	nw	7	29.840	82	77	83	bc	cu	nw	2	45	1	e
ONTARIO	193706201000	9.4	302		193706202200	-8.4324	178.4361	n	11	29.860	82	77	83	bc	ci	n	2	45	1	e
ONTARIO	193706201100	9.4	302		193706202300	-8.3486	178.3025	n	11	29.850	82	77	83	bc	ci	n	1	45	1	e
ONTARIO	193706201200	9.4	302		193706202400	-8.2648	178.1689	n	11	29.840	81	77	83	bc	cu	n	1	45	1	e
ONTARIO	193706201300	9.4	302		193706210100	-8.1810	178.0354	n	11	29.820	82	78	83	bc	ci	n	1	45	1	e
ONTARIO	193706201400	9.4	302		193706210200	-8.0972	177.9019	n	11	29.820	82	78	83	bc	ci	n	1	45	1	e
ONTARIO	193706201500	9.4	302		193706210300	-8.0134	177.7685	n	11	29.820	82	78	83	bc	cu	n	2	45	1	e
ONTARIO	193706201600	9.4	302		193706210400	-7.9296	177.6351	n	11	29.820	82	77	83	bc	cu	n	4	45	1	e
ONTARIO	193706201700	9.4	302		193706210500	-7.8458	177.5017	n	11	29.820	82	77	83	bc	cu	n	2	50	1	e
ONTARIO	193706201800	9.4	302		193706210600	-7.7620	177.3683	n	11	29.830	82	77	83	bc	cu	n	6	51	1	e
ONTARIO	193706201900	9.4	302		193706210700	-7.6782	177.2350	nw	11	29.850	85	78	83	bc	cu	nw	4	51	1	e
ONTARIO	193706202000	10.1	317	fixx	193706210800	-7.5944	177.1017	nw	7	29.860	87	79	83	bc	cu	nw	4	51	1	se
ONTARIO	193706202100	10.1	317		193706210900	-7.4708	176.9858	nw	7	29.870	88	80	83	bc	cu	nw	4	51	1	e
ONTARIO	193706202200	10.1	317		193706211000	-7.3472	176.8700	nw	7	29.870	90	81	83	bc	cu	nw	5	51	1	e
ONTARIO	193706202300	10.1	317		193706211100	-7.2236	176.7541	nw	7	29.870	92	82	83	bc	cu	nw	5	51	1	e
ONTARIO	193706202400	10.1	308	fixx	193706211200	-7.1000	176.6383	w	7	29.840	92	82	83	bc	cu	w	7	51	1	e
ONTARIO	193706210100	10.1	308		193706211300	-6.9969	176.5043	w	7	29.830	93	83	83	bc	cu	w	6	51	1	e
ONTARIO	193706210200	10.1	308		193706211400	-6.8937	176.3702	w	7	29.820	92	83	83	bc	cu	w	5	51	1	e
ONTARIO	193706210300	10.1	308		193706211500	-6.7906	176.2362	w	7	29.810	90	82	83	bc	cu	w	4	51	1	e
ONTARIO	193706210400	10.1	308		193706211600	-6.6875	176.1023	w	7	29.800	80	82	83	bc	cu	w	5	51	1	e
ONTARIO	193706210500	10.1	308		193706211700	-6.5844	175.9683	e	11	29.810	87	80	83	bc	cu	e	4	51	1	e
ONTARIO	193706210600	10.1	308		193706211800	-6.4813	175.8344	e	11	29.820	86	81	83	bc	cu	e	3	51	1	e
ONTARIO	193706210700	10.1	308		193706211900	-6.3781	175.7005	se	11	29.850	85	80	83	bc	cu	se	3	50	1	e
ONTARIO	193706210800	10.7	311	fixx	193706212000	-6.2750	175.5667	se	11	29.850	85	80	83	bc	cu	se	2	50	1	e
ONTARIO	193706210900	10.7	311		193706212100	-6.1583	175.4318	e	11	29.870	83	79	83	bc	cu	e	2	50	1	e
ONTARIO	193706211000	10.7	311		193706212200	-6.0417	175.2970	e	11	29.880	83	79	83	bc	cu	e	1	45	1	e
ONTARIO	193706211100	10.7	311		193706212300	-5.9250	175.1622	e	7	29.880	84	79	83	bc	cu	e	3	45	1	e
ONTARIO	193706211200	10.7	311		193706212400	-5.8083	175.0274	se	11	29.870	84	79	83	bc	cu	se	4	45	1	e
ONTARIO	193706211300	10.7	311		193706220100	-5.6917	174.8926	e	11	29.870	83	79	83	c	cu	e	7	45	1	e
ONTARIO	193706211400	10.7	311		193706220200	-5.5750	174.7579	e	11	29.840	83	79	83	bc	cu	e	3	45	1	e
ONTARIO	193706211500	10.7	311		193706220300	-5.4583	174.6232	e	11	29.830	83	79	83	bc	cu	e	3	45	1	e
ONTARIO	193706211600	10.7	311		193706220400	-5.3417	174.4885	e	11	29.820	83	80	83	c	cu	e	7	45	1	e
ONTARIO	193706211700	10.7	311		193706220500	-5.2250	174.3538	e	11	29.810	85	80	83	bc	cu	e	1	45	1	e
ONTARIO	193706211800	10.7	311		193706220600	-5.1083	174.2192	e	11	29.820	83	80	83	bc	cu	e	2	50	1	e
ONTARIO	193706211900	10.7	311		193706220700	-4.9917	174.0846	e	16	29.850	85	80	83	bc	cu	e	3	51	1	e
ONTARIO	193706212000	10.7	301	fixx	193706220800	-4.8750	173.9500	e	20	29.860	94	85	83	bc	cu	e	4	51	1	e
ONTARIO	193706212100	10.7	301		193706220900	-4.7842	173.7967	e	20	29.850	91	88	83	c	cu	e	7	51	1	e
ONTARIO	193706212200	10.7	301		193706221000	-4.6934	173.6434	e	20	29.850	92	83	83	bc	cu	e	4	51	1	e
ONTARIO	193706212300	10.7	301		193706221100	-4.6026	173.4901	e	20	29.840	90	82	83	bc	cu	e	3	51	1	e
ONTARIO	193706212400	10.7	301		193706221200	-4.5118	173.3368	e	20	29.830	92	84	83	bc	cu	e	5	51	1	e
ONTARIO	193706220100	10.7	301		193706221300	-4.4209	173.1836	e	20	29.810	92	84	83	bc	cu	e	5	51	1	e
ONTARIO	193706220200	10.7	301		193706221400	-4.3301	173.0304	e	20	29.800	89	83	83	bc	cu	e	6	51	1	e
ONTARIO	193706220300	10.7	301		193706221500	-4.2393	172.8772	e	20	29.790	86	81	83	bc	cu	e	2	51	1	e
ONTARIO	193706220400	10.7	301		193706221600	-4.1485	172.7240	e	20	29.780	85	81	83	bc	cu	e	1	51	1	e
ONTARIO	193706220500	10.7	301		193706221700	-4.0577	172.5708	e	20	29.770	84	81	83	bc	cu	e	2	51	1	e
ONTARIO	193706220600	10.7	301		193706221800	-3.9669	172.4177	e	20	29.790	84	80	83	bc	cu	e	3	51	1	e
ONTARIO	193706220700	10.7	301		1193706221800	-3.8761	172.2645		0	0.000	0	0	0				0	0	0	
ONTARIO	193706220800	10.7	301		193706221900	-3.7853	172.1114	e	20	29.820	83	80	83	bc	cu	e	4	45	1	e
ONTARIO	193706220900	10.3	302	fixx	193706222000	-3.6944	171.9583	e	20	29.840	83	80	83	bc	cu	e	4	45	1	e
ONTARIO	193706221000	10.3	302		193706222100	-3.6025	171.8135	e	20	29.850	84	80	83	bc	cu	e	5	45	1	e
ONTARIO	193706221100	10.3	302		193706222200	-3.5106	171.6688	ne	20	29.840	84	80	83	bc	cu	ne	5	45	1	e
ONTARIO	193706221200	10.3	302		193706222300	-3.4188	171.5240	n	20	29.840	84	80	83	bc	cu	n	6	40	1	e
ONTARIO	193706221300	10.3	302		193706222400	-3.3269	171.3792	ne	16	29.830	83	80	83	bc	cu	ne	5	40	1	e
ONTARIO	193706221400	10.3	302		193706230100	-3.2350	171.2345	ne	16	29.810	82	80	83	bc	cu	ne	6	40	1	e
ONTARIO	193706221500	10.3	302		193706230200	-3.1431	171.0898	ne	16	29.800	82	80	83	bc	cu	ne	4	40	1	e
ONTARIO	193706221600	10.3	302		193706230300	-3.0512	170.9451	ne	16	29.790	82	80	83	bc	cu	ne	3	40	1	e
ONTARIO	193706221700	10.3	302		193706230400	-2.9593	170.8004	ne	16	29.790	83	80	83	bc	cu	ne	2	40	1	e
ONTARIO	193706221800	10.3	302		193706230500	-2.8674	170.6557	ne	16	29.810	82	80	83	bc	cu	ne	3	45	1	e
ONTARIO	193706221900	10.3	302		193706230600	-2.7755	170.5110	nne	16	29.820	82	80	83	bc	cu	nne	3	50	1	ne
ONTARIO	193706222000	10.3	302		193706230700	-2.6836	170.3663	nne	16	29.830	96	80	83	bc	cu	nne	4	51	1	ne
ONTARIO	193706222100	9.1	290	fixx	193706230800	-2.5917	170.2217	nne	16	29.850	91	81	83	bc	cu	nne	3	51	1	ne

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
ONTARIO	193706222200	9.1	290		193706230900	-2.5404	170.0787	nne	11	29.860	93	83	83	bc	cu	nne	6	51	1	ne
ONTARIO	193706222230	9.1	290		193706231000	-2.4892	169.9358	ne	11	29.850	86	84	83	bc	nb	ne	5	45	1	ne
ONTARIO	193706222400	9.1	290		193706231100	-2.4379	169.7929	n	16	29.840	85	81	83	bc	nb	n	5	45	1	ne
ONTARIO	193706230100	7.2	271	fixx	193706231200	-2.3867	169.6500	n	16	29.860	83	80	83	bc	cu	n	4	51	1	ne
ONTARIO	193706230200	7.2	271		193706231300	-2.3851	169.5295	ne	16	29.810	84	80	83	c	cu nb	ne	8	45	1	ne
ONTARIO	193706230300	7.2	271		193706231400	-2.3836	169.4090	ne	11	29.790	83	80	83	c	cu nb	ne	9	45	1	ne
ONTARIO	193706230400	7.2	271		193706231500	-2.3821	169.2885	ne	11	29.790	84	80	83	c	cu nb	ne	8	45	1	ne
ONTARIO	193706230500	7.2	271		193706231600	-2.3805	169.1680	ne	11	29.780	84	80	83	c	cu nb	ne	9	45	1	ne
ONTARIO	193706230600	7.2	271		193706231700	-2.3790	169.0475	ne	16	29.790	83	80	83	c	a cu	ne	7	51	1	ne
ONTARIO	193706230700	7.2	271		193706231800	-2.3774	168.9270	nxe	16	29.810	83	80	83	bc	cu	nxe	4	51	1	nxe
ONTARIO	193706230800	8.2	244	c/c	193706231900	-2.3759	168.8065	ne	11	29.820	83	80	83	bc	cu	ne	3	45	1	nxe
ONTARIO	193706230900	7.7	267	fixx	193706232000	-2.4367	168.6833	ne	11	29.830	83	80	83	bc	cu	ne	3	45	1	nxe
ONTARIO	193706231000	7.7	267		193706232100	-2.4435	168.5554	ne	11	29.840	84	80	83	bc	cu	ne	6	45	1	nxe
ONTARIO	193706231100	7.7	267		193706232200	-2.4503	168.4275	ne	11	29.850	83	80	83	bc	cu	ne	4	45	1	nxe
ONTARIO	193706231200	7.7	267		193706232300	-2.4571	168.2996	ne	11	29.850	83	80	83	bc	cu	ne	3	45	1	nxe
ONTARIO	193706231300	7.7	267		193706232400	-2.4639	168.1717	ne	11	29.830	83	80	83	bc	cu	ne	2	45	1	nxe
ONTARIO	193706231400	7.7	267		193706240100	-2.4707	168.0438	ne	11	29.820	83	79	83	bc	cu	ne	5	45	1	ne
ONTARIO	193706231500	7.7	267		193706240200	-2.4775	167.9159	ne	11	29.820	82	79	83	bc	cu	ne	4	45	1	ne
ONTARIO	193706231600	7.7	267		193706240300	-2.4843	167.7880	ne	11	29.810	82	79	83	bc	cu	ne	6	45	1	ne
ONTARIO	193706231700	7.7	267		193706240400	-2.4911	167.6600	ne	11	29.810	82	79	83	bc	cu	ne	6	45	1	ne
ONTARIO	193706231800	7.7	267		193706240500	-2.4979	167.5321	ne	16	29.810	82	80	83	bc	cu	ne	6	40	1	ne
ONTARIO	193706231900	7.7	267		193706240600	-2.5047	167.4042	ne	16	29.830	82	80	83	c	ci cu	ne	7	45	1	ne
ONTARIO	193706232000	7.7	267		193706240700	-2.5115	167.2763	ne	16	29.850	83	79	83	c	a cu	ne	7	45	1	ne
ONTARIO	193706232100	7.2	257	fixx	193706240800	-2.5183	167.1483	ne	11	29.860	84	79	83	c	a cu	ne	8	45	1	ne
ONTARIO	193706232200	7.2	257		193706240900	-2.5463	167.0313	ne	11	29.870	85	80	83	c	a st	ne	9	45	1	ne
ONTARIO	193706232300	7.2	257		193706241000	-2.5742	166.9142	ne	11	29.870	86	80	83	c	a st	ne	9	45	1	ne
ONTARIO	193706232400	7.2	257		193706241100	-2.6021	166.7971	ne	11	29.860	86	81	83	c	a cu	ne	9	45	1	ne
ONTARIO	193706240100	8.0	261	fixx	193706241200	-2.6300	166.6800	ne	11	29.850	85	80	83	c	a cu	ne	9	45	1	ne
ONTARIO	193706240200	8.0	261		193706241300	-2.6513	166.5481	ne	11	29.840	84	80	83	c	st cu	ne	10	45	1	ne
ONTARIO	193706240300	8.0	261		193706241400	-2.6725	166.4163	ne	11	29.820	85	80	83	c	a cu	ne	8	50	1	ne
ONTARIO	193706240400	8.0	261		193706241500	-2.6937	166.2844	ene	7	29.830	88	81	83	c	a cu	ene	7	51	1	ne
ONTARIO	193706240500	8.0	261		193706241600	-2.7150	166.1525		0	29.820	88	81	83	c	a cu	ene	7	51	1	ne
ONTARIO	193706240600	8.0	261		193706241700	-2.7363	166.0206	w	7	29.830	84	80	83	cd	nb	w	8	40	1	ne
ONTARIO	193706240700	8.0	261		193706241800	-2.7575	165.8888		0	29.840	83	79	83	c	a cu	sw	9	35	1	ne
ONTARIO	193706240800	8.0	261		193706241900	-2.7787	165.7569		0	29.850	83	79	83	c	a cu	sw	8	30	1	ne
ONTARIO	193706240900	4.0	78	fixx	193706242000	-2.8000	165.6250		0	29.860	82	79	83	c	ci	sw	9	25	1	ne
ONTARIO	193706241000	4.0	78		193706242100	-2.7861	165.6910	se	11	29.880	81	79	83	c	nb	se	9	35	1	ne
ONTARIO	193706241100	4.0	78		193706242200	-2.7722	165.7570	se	11	29.900	80	79	83	cr	nb	se	9	35	1	ne
ONTARIO	193706241200	4.0	78		193706242300	-2.7583	165.8229	se	7	29.880	80	79	83	c	a st	se	8	35	1	ne
ONTARIO	193706241300	4.0	78		193706242400	-2.7444	165.8889	se	7	29.880	80	78	83	bc	a st	se	4	35	1	ne
ONTARIO	193706241400	4.0	78		193706250100	-2.7306	165.9549	ese	7	29.860	80	78	83	bc	ci cu	ese	5	45	1	ene
ONTARIO	193706241500	4.0	78		193706250200	-2.7167	166.0208	ese	7	29.860	80	78	83	bc	ci cu	ese	4	45	1	ene
ONTARIO	193706241600	4.0	78		193706250300	-2.7028	166.0868	ese	7	29.840	80	78	83	bc	a cu	ese	3	45	1	ene
ONTARIO	193706241700	4.0	78		193706250400	-2.6889	166.1528	ese	7	29.840	81	78	83	bc	a cu	ese	6	45	1	ene
ONTARIO	193706241800	4.0	78		193706250500	-2.6750	166.2188	e	7	29.850	81	78	83	c	st cu	e	9	30	1	ene
ONTARIO	193706241900	4.0	78		193706250600	-2.6611	166.2847	ses	11	29.850	81	78	83	c	co	sexs	9	40	1	e
ONTARIO	193706242000	4.0	78		193706250700	-2.6472	166.3507	e	7	29.860	82	77	83	c	ci st	e	9	40	1	e
ONTARIO	193706242100	6.3	80	fixx	193706250800	-2.6333	166.4167	e	7	29.880	82	77	83	c	ci st	e	9	40	1	e
ONTARIO	193706242200	6.3	80		193706250900	-2.6147	166.5207	se	11	29.880	83	78	83	c	ci st	se	8	45	1	e
ONTARIO	193706242245	3.7	252	c/c	193706250945	-2.6007	166.5987		0	0.000	0	0	0				0	0	0	
ONTARIO	193706242300	3.7	252		193706251000	-2.6054	166.5841	se	11	29.880	86	81	83	c	ci st	se	8	45	1	e
ONTARIO	193706242303	3.7	244	c/c	193706251003	-2.6064	166.5811		0	0.000	0	0	0				0	0	0	
ONTARIO	193706242400	3.7	244		193706251100	-2.6322	166.5278	se	11	29.880	88	82	83	c	a st	se	9	45	1	e
ONTARIO	193706250100	6.8	263	fixx	193706251200	-2.6594	166.4717	sse	11	29.870	90	82	83	c	a st	se	9	45	1	e
ONTARIO	193706250200	6.8	263		193706251300	-2.6735	166.3586	sse	11	29.850	89	82	83	c	cu	sse	8	45	1	e
ONTARIO	193706250300	6.8	263		193706251400	-2.6875	166.2454	sse	11	29.830	87	81	83	c	cu	sse	9	45	1	e
ONTARIO	193706250400	6.8	263		193706251500	-2.7015	166.1323	sse	11	29.830	89	81	83	bc	cu	sse	6	50	1	e
ONTARIO	193706250500	6.8	263		193706251600	-2.7156	166.0192	sse	11	29.820	95	85	83	c	ci st	sse	7	51	1	e
ONTARIO	193706250600	6.8	263		193706251700	-2.7296	165.9061	s	7	29.820	91	83	83	c	ci st	s	9	50	1	e
ONTARIO	193706250700	6.8	263		193706251800	-2.7436	165.7929	sw	11	29.820	88	81	83	c	cu	sw	9	45	1	e
ONTARIO	193706250800	6.8	263		193706251900	-2.7576	165.6798	swxw	11	29.830	84	80	83	bc	cu	swxw	4	30	1	e
ONTARIO	193706250900	5.2	246	fixx	193706252000	-2.7717	165.5667	s	7	29.840	83	80	83	bc	cu	s	5	30	1	e
ONTARIO	193706251000	5.2	246		193706252100	-2.8068	165.4878	ese	11	29.850	83	80	83	bc	cu	ese	5	35	1	e

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
ONTARIO	193706251100	5.2	246		193706252200	-2.8419	165.4089	ese	11	29.860	83	80	83	bc	cu	ese	5	35	1	e
ONTARIO	193706251200	5.2	246		193706252300	-2.8771	165.3300	ese	11	29.850	83	79	83	bc	cu	ese	3	40	1	e
ONTARIO	193706251300	5.2	246		193706252400	-2.9122	165.2512	ese	11	29.850	82	79	83	bc	cu	ese	4	45	1	e
ONTARIO	193706251400	5.2	246		193706260100	-2.9474	165.1723	ese	11	29.850	83	79	83	bc	cu	ese	3	50	1	e
ONTARIO	193706251500	5.2	246		193706260200	-2.9825	165.0934	ese	11	29.830	83	79	83	bc	cu	ese	4	45	1	e
ONTARIO	193706251600	5.2	246		193706260300	-3.0176	165.0145	ese	11	29.830	83	79	83	bc	cu	ese	5	45	1	e
ONTARIO	193706251700	5.2	246		193706260400	-3.0528	164.9356	ese	11	29.820	83	79	83	bc	cu	ese	4	45	1	e
ONTARIO	193706251800	5.2	246		193706260500	-3.0879	164.8567	sxe	11	29.820	83	79	83	bc	cu	sxe	4	45	1	e
ONTARIO	193706251900	5.2	246		193706260600	-3.1231	164.7778	sxe	16	29.810	83	79	83	bc	cu	sxe	5	45	1	e
ONTARIO	193706252000	5.2	246		193706260700	-3.1582	164.6989	sxe	16	29.830	83	79	83	bc	cu	sxe	4	51	1	e
ONTARIO	193706252100	5.6	250	fixx	193706260800	-3.1933	164.6200	sxe	16	29.830	84	80	83	bc	cu	sxe	5	51	1	e
ONTARIO	193706252200	5.6	250		193706260900	-3.2246	164.5321	se	20	29.840	86	81	83	bc	cu	se	4	51	1	e
ONTARIO	193706252300	5.6	250		193706261000	-3.2558	164.4442	se	16	29.840	91	84	83	c	cu nb	se	7	51	1	e
ONTARIO	193706252400	5.6	250		193706261100	-3.2871	164.3563	se	16	29.830	93	85	83	bc	cu	se	6	51	1	e
ONTARIO	193706260100	5.2	255	fixx	193706261200	-3.3183	164.2683	se	16	29.820	93	85	83	c	a cu	se	8	51	1	e
ONTARIO	193706260200	5.2	255		193706261300	-3.3410	164.1848	s	16	29.800	91	84	83	c	a cu	s	9	51	1	se
ONTARIO	193706260300	5.2	255		193706261400	-3.3638	164.1013	s	16	29.790	87	82	83	cp	cu nb	s	9	51	1	se
ONTARIO	193706260400	5.2	255		193706261500	-3.3865	164.0177	s	20	29.790	92	83	83	bc	cu	s	5	51	1	s
ONTARIO	193706260500	5.2	255		193706261600	-3.4092	163.9342	s	20	29.770	95	85	83	bc	cu	s	5	51	1	s
ONTARIO	193706260600	5.2	255		193706261700	-3.4319	163.8506	sxe	16	29.770	92	84	83	bc	cu	s	2	51	1	s
ONTARIO	193706260700	5.2	255		193706261800	-3.4546	163.7671	ssw	16	29.780	88	82	83	bc	cu	ssw	3	51	1	s
ONTARIO	193706260800	5.2	255		193706261900	-3.4773	163.6835	se	11	29.790	86	81	83	bc	st cu	se	5	50	1	s
ONTARIO	193706260900	5.0	36	fixx	193706262000	-3.5000	163.6000		0	29.800	84	79	83	bc	cu		5	45	1	s
ONTARIO	193706260901	5.0	36	c/c	193706262001	-3.5004	163.5987		0	0.000	0	0	0				0	0	0	
ONTARIO	193706261000	5.0	36		193706262100	-3.4347	163.6474	ese	7	29.830	84	80	83	bc	cu	ese	3	50	1	ese
ONTARIO	193706261100	5.0	36		193706262200	-3.3680	163.6969	ese	7	29.830	84	80	83	bc	cu	ese	3	50	1	ese
ONTARIO	193706261200	5.0	36		193706262300	-3.3012	163.7464	nne	7	29.830	82	79	83	bc	cu	ese	5	50	1	ese
ONTARIO	193706261300	5.0	36		193706262400	-3.2344	163.7959	n	7	29.820	83	79	83	cl	cu nb	ese	8	50	1	ese
ONTARIO	193706261400	5.0	36		193706270100	-3.1676	163.8453	ne	7	29.820	83	79	83	cl	a cu	ne	10	30	1	se
ONTARIO	193706261500	5.0	36		193706270200	-3.1008	163.8948	ne	11	29.810	82	78	83	clp	a cu	ne	10	25	1	se
ONTARIO	193706261600	5.0	36		193706270300	-3.0340	163.9443	ne	16	29.800	81	78	83	old	nb	ne	10	25	1	se
ONTARIO	193706261700	5.0	36		193706270400	-2.9672	163.9938	ne	16	29.800	80	77	83	ole	nb	ne	10	25	1	se
ONTARIO	193706261800	5.0	36		193706270500	-2.9004	164.0433	nne	20	29.810	79	78	83	ole	cu nb	nne	10	25	1	se
ONTARIO	193706261900	5.0	36		193706270600	-2.8336	164.0927	nne	20	29.820	80	77	83	c	st cu	nne	10	25	1	se
ONTARIO	193706262000	5.0	36		193706270700	-2.7668	164.1422	nw	16	29.820	80	77	83	c	a st	nw	9	30	1	se
ONTARIO	193706262100	5.0	35	fixx	193706270800	-2.7000	164.1917	nw	16	29.830	82	78	83	c	a st	nw	8	35	1	se
ONTARIO	193706262200	5.0	35		193706270900	-2.6325	164.2396	nw	11	29.830	86	81	83	c	a st	nw	7	45	1	se
ONTARIO	193706262300	5.0	35		193706271000	-2.5650	164.2875	nw	11	29.870	88	81	83	c	a cu	nw	8	51	1	se
ONTARIO	193706262400	5.0	35		193706271100	-2.4975	164.3354	nw	11	29.860	86	80	83	c	a cu	nw	9	51	1	se
ONTARIO	193706270100	4.9	149	fixx	193706271200	-2.4300	164.3833	nw	16	29.840	86	80	83	c	a cu	nw	9	51	1	se
ONTARIO	193706270109	4.9	149	c/c	193706271209	-2.4244	164.3857		0	0.000	0	0	0				0	0	0	
ONTARIO	193706270200	4.9	149		193706271300	-2.4832	164.4215	nw	11	29.840	89	81	83	c	cu	nw	8	51	1	s
ONTARIO	193706270300	4.9	149		193706271400	-2.5522	164.4637	nw	11	29.820	89	82	83	c	ci st	nw	8	51	1	s
ONTARIO	193706270400	4.9	149		193706271500	-2.6213	164.5059	nw	7	29.810	88	81	83	bc	ci	nw	6	51	1	se
ONTARIO	193706270500	4.9	149		193706271600	-2.6904	164.5480	se	7	29.810	87	81	83	c	cu	sw	7	51	1	se
ONTARIO	193706270600	4.9	149		193706271700	-2.7594	164.5902	se	11	29.800	84	80	83	c	a cu	sw	8	51	1	se
ONTARIO	193706270700	4.9	149		193706271800	-2.8285	164.6323	wnw	11	29.800	83	80	83	c	st cu	wnw	8	50	1	e
ONTARIO	193706270800	4.9	149		193706271900	-2.8976	164.6745	wnw	11	29.810	82	79	83	c	a st	wnw	7	45	1	e
ONTARIO	193706270900	4.0	128	fixx	193706272000	-2.9667	164.7167	wnw	11	29.830	81	79	83	bc	st	wnw	4	45	1	e
ONTARIO	193706271000	4.0	128		193706272100	-3.0076	164.7694		0	29.850	81	79	83	c	cu nb	wnw	8	45	1	e
ONTARIO	193706271100	4.0	128		193706272200	-3.0486	164.8222	ne	11	29.850	82	79	83	cq	cu nb	ene	9	40	1	e
ONTARIO	193706271200	4.0	128		193706272300	-3.0896	164.8750	ese	16	29.840	78	76	83	crq	nb	ese	10	30	1	e
ONTARIO	193706271300	4.0	128		193706272400	-3.1306	164.9278		0	29.850	79	78	83	c	st cu	ese	8	35	1	e
ONTARIO	193706271400	4.0	128		193706280100	-3.1715	164.9805	ne	7	29.840	79	78	83	c	ci	ne	8	30	1	e
ONTARIO	193706271500	4.0	128		193706280200	-3.2125	165.0333	ne	11	29.830	79	77	83	c	ci	ne	7	30	1	e
ONTARIO	193706271600	4.0	128		193706280300	-3.2535	165.0861	e	7	29.820	80	77	83	bc	cu	e	6	30	1	e
ONTARIO	193706271700	4.0	128		193706280400	-3.2944	165.1389	se	7	29.820	80	77	83	bc	cu	se	4	30	1	e
ONTARIO	193706271800	4.0	128		193706280500	-3.3354	165.1917	ne	7	29.810	80	78	83	bc	cu	ne	6	40	1	e
ONTARIO	193706271900	4.0	128		193706280600	-3.3764	165.2444		0	29.810	79	77	83	bc	st cu		3	45	1	e
ONTARIO	193706272000	4.0	128		193706280700	-3.4174	165.2972	nw	11	29.820	80	78	83	bc	a cu	nw	6	45	1	se
ONTARIO	193706272100	4.1	48	fixx	193706280800	-3.4583	165.3500	nw	16	29.820	83	78	83	c	a cu	nw	7	50	1	se
ONTARIO	193706272200	4.1	48		193706280900	-3.4121	165.4013	n	20	29.830	84	79	83	bc	a cu	n	5	51	1	se
ONTARIO	193706272300	4.1	48		193706281000	-3.3658	165.4525	nne	20	29.850	83	79	83	bc	cu	nne	3	51	1	se

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir	
ONTARIO	193706272400	4.1	48		193706281100	-3.3196	165.5038	nne	20	29.840	83	78	83	bc	cu	nne	2	51	1	se	
ONTARIO	193706280100	4.2	44	fixx	193706281200	-3.2733	165.5550	nne	20	29.830	83	79	83	bc	cu	nne	2	51	1	se	
ONTARIO	193706280200	4.2	44		193706281300	-3.2225	165.6044	n	20	29.810	83	78	83	bc	cu	n	2	51	1	se	
ONTARIO	193706280300	4.2	44		193706281400	-3.1717	165.6538	n	20	29.800	83	79	83	bc	cu	n	5	51	1	se	
ONTARIO	193706280400	4.2	44		193706281500	-3.1208	165.7031	nnw	20	29.790	83	79	83	bc	cu	nnw	4	51	1	se	
ONTARIO	193706280500	4.2	44		193706281600	-3.0700	165.7525	nnw	20	29.790	84	79	83	bc	cu	nnw	4	51	1	se	
ONTARIO	193706280600	4.2	44		193706281700	-3.0192	165.8019	n	20	29.780	85	80	83	bc	cu	n	5	51	1	se	
ONTARIO	193706280700	4.2	44		193706281800	-2.9683	165.8513	n	16	29.790	84	80	83	c	cu	n	7	50	1	se	
ONTARIO	193706280800	4.2	44		193706281900	-2.9175	165.9006	n	16	29.800	84	80	83	bc	cu	n	3	45	1	se	
ONTARIO	193706280900	5.5	259	fixx	193706282000	-2.8667	165.9500	n	16	29.820	84	80	83	bc	cu	n	6	45	1	se	
ONTARIO	193706281000	5.5	259	c/c	193706282100	-2.8127	166.0043	n	16	29.840	84	80	83	bc	cu	n	4	45	1	se	
ONTARIO	193706281100	5.5	259		193706282200	-2.8307	165.9140	nnw	20	29.850	82	79	83	bc	cu	nnw	5	45	1	nnw	
ONTARIO	193706281200	5.5	259		193706282300	-2.8488	165.8237	nnw	16	29.850	82	79	83	bc	cu	nnw	5	50	1	nnw	
ONTARIO	193706281300	5.5	259		193706282400	-2.8668	165.7334	nnw	16	29.830	82	78	83	bc	cu	nnw	4	50	1	nnw	
ONTARIO	193706281400	5.5	259		193706290100	-2.8849	165.6432	nw	16	29.830	82	78	83	bc	cu	nw	4	40	1	se	
ONTARIO	193706281500	5.5	259		193706290200	-2.9029	165.5529	w	16	29.830	82	78	83	bc	cu	w	4	40	1	se	
ONTARIO	193706281600	5.5	259		193706290300	-2.9209	165.4626	nw	16	29.830	82	78	83	bc	cu	nw	3	40	1	se	
ONTARIO	193706281700	5.5	259		193706290400	-2.9390	165.3723	nw	16	29.830	82	78	83	bc	cu	nw	2	40	1	se	
ONTARIO	193706281800	5.5	259		193706290500	-2.9570	165.2820	nw	11	29.830	82	78	83	bc	cu	nw	2	40	1	se	
ONTARIO	193706281900	5.5	259		193706290600	-2.9750	165.1917	nw	11	29.830	82	78	83	bc	cu	nw	1	45	1	se	
ONTARIO	193706282000	5.5	259		193706290700	-2.9931	165.1014	nw	11	29.830	82	78	83	bc	cu	nw	1	50	1	se	
ONTARIO	193706282100	4.0	27	fixx	193706290800	-3.0111	165.0111	nw	11	29.850	83	79	83	bc	cu	nw	1	51	1	se	
ONTARIO	193706282200	4.0	27		193706290900	-2.9517	165.0417	nw	11	29.870	90	82	83	bc	cu	nw	2	51	1	se	
ONTARIO	193706282300	4.0	27		193706291000	-2.8922	165.0722	nw	11	29.870	89	82	83	bc	cu	nw	3	51	1	se	
ONTARIO	193706282400	4.0	27		193706291100	-2.8328	165.1028	nw	11	29.860	87	80	83	bc	cu	nw	3	51	1	se	
ONTARIO	193706290100	4.5	16	fixx	193706291200	-2.7733	165.1333	nw	11	29.850	85	80	83	bc	cu	nw	3	51	1	se	
ONTARIO	193706290200	4.5	16		193706291300	-2.7009	165.1544	ne	11	29.830	83	79	83	bc	cu	ne	3	51	1	se	
ONTARIO	193706290300	4.6	150	c/c	193706291400	-2.6285	165.1754	e	11	29.820	83	79	83	bc	cu	e	3	51	1	ese	
ONTARIO	193706290400	4.6	150		193706291500	-2.6948	165.2135	e	7	29.810	83	78	83	bc	cu	e	3	51	1	ese	
ONTARIO	193706290500	4.6	150		193706291600	-2.7611	165.2515	e	7	29.800	83	78	83	bc	cu	e	2	51	1	ese	
ONTARIO	193706290600	4.6	150		193706291700	-2.8274	165.2896		0	29.800	92	82	83	bc	cu		4	51	1	ese	
ONTARIO	193706290700	5.9	258	c/c	193706291800	-2.8937	165.3277		0	29.800	94	82	83	bc	cu		3	51	1	ese	
ONTARIO	193706290800	5.9	258		193706291900	-2.9135	165.2305		0	29.820	81	82	83	bc	cu		2	50	1	ese	
ONTARIO	193706290900	5.2	258	fixx	193706292000	-2.9333	165.1333		0	29.830	83	79	83	bc	cu		2	50	1	ese	
ONTARIO	193706291000	5.2	258		193706292100	-2.9515	165.0486	nw	7	29.850	82	78	83	bc	cu	nw	2	25	1	ese	
ONTARIO	193706291100	5.2	258		193706292200	-2.9697	164.9639	nw	7	29.860	82	78	83	bc	cu	nw	2	15	1	ese	
ONTARIO	193706291200	5.2	258		193706292300	-2.9879	164.8792	nw	11	29.860	82	78	83	bc	cu	nw	3	30	1	ese	
ONTARIO	193706291300	5.2	258		193706292400	-3.0061	164.7945	nw	11	29.860	83	78	83	bc	cu	nw	3	30	1	ese	
ONTARIO	193706291400	5.2	258		193706300100	-3.0243	164.7097		0	29.850	81	78	83	bc	cu		2	45	1	ese	
ONTARIO	193706291500	5.2	258		193706300200	-3.0425	164.6250		0	29.830	81	78	83	bc	cu		3	45	1	ese	
ONTARIO	193706291600	5.2	258		193706300300	-3.0607	164.5403		0	29.820	81	78	83	bc	cu		4	45	1	ese	
ONTARIO	193706291700	5.2	258		193706300400	-3.0789	164.4556		0	29.820	80	78	83	bc	cu		1	45	1	ese	
ONTARIO	193706291800	5.2	258		193706300500	-3.0971	164.3709		0	29.820	80	78	83	bc	cu		1	45	1	ese	
ONTARIO	193706291900	5.2	258		193706300600	-3.1153	164.2861		0	29.830	81	78	83	bc	cu		2	50	1	ese	
ONTARIO	193706292000	5.2	258		193706300700	-3.1335	164.2014	s	7	29.850	85	80	83	bc	cu	s	1	51	1	ese	
ONTARIO	193706292100	6.3	117	fixx	193706300800	-3.1517	164.1167	s	7	29.870	88	81	83	bc	cu	s	1	51	1	ese	
ONTARIO	193706292101	6.3	117	c/c	193706300801	-3.1522	164.1156		0	0.000	0	0	0				0	0	0		
ONTARIO	193706292200	6.3	117		193706300900	-3.1984	164.2072	sxe	7	29.860	82	78	83	bc	cu	sxe	2	51	1	ese	
ONTARIO	193706292300	6.3	117		193706301000	-3.2453	164.3003	sxe	7	29.850	82	78	83	bc	ci	cu	sxe	3	51	1	ese
ONTARIO	193706292400	6.3	117		193706301100	-3.2922	164.3935	exs	7	29.850	82	78	83	bc	cu	exs	4	51	1	se	
ONTARIO	193706300100	4.2	38	fixx	193706301200	-3.3392	164.4867	se	11	29.830	82	78	83	bc	cu	se	4	51	1	se	
ONTARIO	193706300200	4.2	38	c/c	193706301300	-3.3699	164.5433	sse	11	29.820	82	78	84	bc	cu	sse	5	51	1	se	
ONTARIO	193706300300	4.2	38		193706301400	-3.3144	164.5871	sse	11	29.800	82	79	84	bc	ci	cu	sse	5	51	1	se
ONTARIO	193706300400	4.2	38		193706301500	-3.2590	164.6308	sse	11	29.790	82	79	84	bc	cu	sse	3	51	1	se	
ONTARIO	193706300500	4.2	38		193706301600	-3.2036	164.6746	se	11	29.780	83	78	84	bc	cu	se	4	51	1	se	
ONTARIO	193706300600	4.2	38		193706301700	-3.1481	164.7184	se	11	29.790	83	79	84	bc	cu	se	3	51	1	se	
ONTARIO	193706300700	4.2	38		193706301800	-3.0927	164.7621	se	16	29.800	83	80	84	bc	cu	se	4	51	1	se	
ONTARIO	193706300800	4.2	38		193706301900	-3.0373	164.8059	se	16	29.810	82	79	84	bc	cu	se	3	45	2	se	
ONTARIO	193706300804	3.8	75	c/c	193706301904	-3.0336	164.8088		0	0.000	0	0	0				0	0	0		
ONTARIO	193706300900	5.4	82	fixx	193706302000	-3.0183	164.8667	se	20	29.820	83	79	84	bc	cu	se	4	45	2	se	
ONTARIO	193706301000	5.4	82		193706302100	-3.0051	164.9561	e	11												

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
ONTARIO	193706301300	5.4	82		193706302400	-2.9652	165.2242	e	11	29.830	83	78	84	bc	cu	e	4	30	1	se
ONTARIO	193706301400	5.4	82		193707010100	-2.9520	165.3136	se	16	29.820	82	79	86	c	cu nb	se	8	30	1	se
ONTARIO	193706301500	4.6	255	c/c	193707010200	-2.9387	165.4030	se	16	29.810	83	79	86	c	cu	se	7	35	1	se
ONTARIO	193706301600	4.6	255		193707010300	-2.9586	165.3289	se	16	29.800	83	80	86	c	cu	se	7	40	1	se
ONTARIO	193706301700	4.6	255		193707010400	-2.9786	165.2548	se	16	29.790	83	79	86	bc	cu	se	5	45	1	se
ONTARIO	193706301800	4.6	255		193707010500	-2.9985	165.1806	se	16	29.800	82	80	86	bc	cu	se	3	45	1	se
ONTARIO	193706301900	4.6	255		193707010600	-3.0184	165.1065	sse	16	29.810	82	79	86	bc	cu	sse	4	50	2	se
ONTARIO	193706302000	4.6	255		193707010700	-3.0384	165.0324	sse	16	29.840	84	80	86	bc	cu	sse	4	51	2	se
ONTARIO	193706302100	0.5	59	fixx	193707010800	-3.0583	164.9583	sse	20	29.840	87	80	86	bc	cu	sse	4	51	2	se
ONTARIO	193706302200	0.5	59	c/c	193707010900	-3.0271	164.8637	se	20	29.840	89	82	86	bc	cu	se	3	51	2	se
ONTARIO	193706302300	0.5	59		193707011000	-3.0225	164.8715	se	20	29.820	84	79	86	bc	cu	se	2	51	2	se
ONTARIO	193706302400	0.5	59		193707011100	-3.0179	164.8792	se	16	29.800	83	79	86	bc	cu	se	3	51	2	se
ONTARIO	193707010100	2.2	155	fixx	193707011200	-3.1242	164.7000	se	16	29.790	84	79	86	c	cu	se	7	45	1	se
ONTARIO	193707010200	2.2	155		193707011300	-3.1580	164.7157	se	20	29.780	85	80	86	c	cu	se	7	45	1	se
ONTARIO	193707010300	2.2	155		193707011400	-3.1917	164.7314	se	20	29.760	84	79	86	bc	cu	se	5	50	1	se
ONTARIO	193707010400	2.2	155		193707011500	-3.2255	164.7471	se	20	29.750	85	80	86	bc	cu	se	5	50	1	se
ONTARIO	193707010500	6.8	74	c/cs	193707011600	-3.2593	164.7629	se	20	29.750	85	80	86	bc	cu	se	5	50	1	se
ONTARIO	193707010555	4.9	71	c/s	193707011655	-3.2302	164.8634		0	0.000	0	0	0				0	0	0	
ONTARIO	193707010600	4.9	71		193707011700	-3.2280	164.8697	se	20	29.750	84	79	86	bc	cu	se	5	51	1	se
ONTARIO	193707010700	4.9	71		193707011800	-3.2020	164.9465	se	20	29.760	84	79	86	bc	cu	se	4	51	2	se
ONTARIO	193707010800	4.9	71		193707011900	-3.1760	165.0233	se	20	29.770	83	80	86	bc	cu	se	2	45	2	se
ONTARIO	193707010900	0.4	90	fixx	193707012000	-3.1500	165.1000	se	20	29.790	83	80	86	bc	cu	se	4	45	2	se
ONTARIO	193707011000	0.4	90		193707012100	-3.1500	165.1069	se	16	29.810	84	80	86	bc	cu	se	4	30	1	se
ONTARIO	193707011100	0.4	90		193707012200	-3.1500	165.1139	se	16	29.810	84	80	86	bc	cu	se	4	30	1	se
ONTARIO	193707011200	0.4	90		193707012300	-3.1500	165.1208	se	16	29.800	83	79	86	bc	cu	se	5	25	1	se
SWAN	193707011200	5.0	100	c/cs	193707010100	0.0000	0.0000	ne	20	29.830	80	80	84	bc	ci st	ne	4	10	4	ne
ITASCA	193707011230	0.0	0		193707010100	0.0000	0.0000	nne	16	29.810	81	78	82	bc	cu	ene	2	20	1	nne
ONTARIO	193707011300	0.4	90		193707012400	-3.1500	165.1278	se	20	29.800	83	79	86	bcl	cu	se	6	25	1	se
SWAN	193707011300	5.0	100		193707010200	0.0000	0.0000	ne	20	29.820	80	80	84	bc	cu nb	ne	7	10	4	ne
ITASCA	193707011330	0.0	0		193707010200	0.0000	0.0000	ne	16	19.790	81	78	82	bc	cu	ne	3	20	1	nne
ONTARIO	193707011400	0.4	90		193707020100	-3.1500	165.1347	se	16	29.790	83	79	86	bcd	cu	se	4	35	1	se
SWAN	193707011400	5.0	100		193707010300	0.0000	0.0000	ne	20	29.820	80	80	84	r	cu nb	ne	9	10	4	ne
ITASCA	193707011430	0.0	0		193707010300	0.0000	0.0000	ne	16	29.780	81	78	82	b			0	20	1	nne
ONTARIO	193707011500	0.4	90		193707020200	-3.1500	165.1417	se	16	29.790	83	80	86	bcd	cu	se	5	40	1	se
SWAN	193707011500	5.0	100		193707010400	0.0000	0.0000	ne	22	29.810	80	80	84	bc	ci st	ne	6	10	4	ne
ITASCA	193707011530	0.0	0		193707010400	0.0000	0.0000	ne	16	29.780	81	78	82	bc	cu	ne	2	20	1	nne
ONTARIO	193707011600	0.4	90		193707020300	-3.1500	165.1486	se	16	29.780	83	80	86	c1p	cu nb	se	7	40	1	se
SWAN	193707011600	5.0	100		193707010500	0.0000	0.0000	ne	22	29.820	80	80	84	bc	ci st	ne	7	10	4	ne
ITASCA	193707011630	0.0	0		193707010500	0.0000	0.0000	ene	16	29.780	81	78	82	bc	cu	ne	2	25	1	ene
ONTARIO	193707011700	0.4	90		193707020400	-3.1500	165.1556	se	11	29.780	82	80	86	bc	cu	se	6	40	1	se
SWAN	193707011700	5.0	100		193707010600	0.0000	0.0000	ne	22	29.820	80	80	84	bc	ci st	ne	5	15	2	ne
ITASCA	193707011730	0.0	0		193707010600	0.0000	0.0000	ene	16	29.790	81	78	82	bc	cu	ne	3	25	2	ene
SWAN	193707011745	5.0	90	c/c	193707010645	0.0000	0.0000		0	0.000	0	0	0				0	0	0	
ONTARIO	193707011800	0.4	90		193707020500	-3.1500	165.1625	sexe	11	29.800	82	79	86	bcl	cu	sexe	4	45	1	sexe
SWAN	193707011800	5.0	90		193707010700	0.0000	0.0000	ne	20	29.840	81	81	84	bc	ci st	ne	4	20	2	ne
ITASCA	193707011830	0.0	0		193707010700	0.0000	0.0000	ene	16	29.820	82	79	82	bc	acu	ne	3	25	2	ene
ONTARIO	193707011900	0.4	90		193707020600	-3.1500	165.1694	sexe	16	29.810	82	79	86	bcp	cu	sexe	4	50	1	sexe
SWAN	193707011900	0.0	255	fixx	193707010800	11.4167	192.7500	ne	22	29.860	82	82	84	bc	a cu	ne	4	30	4	ne
ITASCA	193707011930	0.0	0		193707010800	0.0000	0.0000	ene	11	29.840	82	79	82	bc	ne		2	25	1	ene
ONTARIO	193707012000	0.4	90		193707020700	-3.1500	165.1764	sexe	16	29.820	83	80	86	bc	cu	sexe	3	51	1	sexe
SWAN	193707012000	0.0	255		193707010900	11.4167	192.7500	ne	22	29.860	78	78	84	bc	cu nb	ne	7	20	4	ne
ITASCA	193707012030	0.0	0		193707010900	0.0000	0.0000	ene	11	29.850	83	80	83	bc	cu	ene	2	25	1	e
ONTARIO	193707012100	2.6	43	fixx	193707020800	-3.1500	165.1833	sexe	20	29.820	85	80	86	bc	cu	sexe	2	51	2	sexe
SWAN	193707012100	0.0	255		193707011000	11.4167	192.7500	ne	16	29.860	81	81	84	bc	a cu	ne	9	30	4	ne
ITASCA	193707012130	0.0	0		193707011000	0.0000	0.0000	ne	16	29.850	84	80	83	bc	cicu	ene	2	25	2	e
ONTARIO	193707012200	2.6	43		193707020900	-3.1183	165.2125	e	16	29.820	85	80	86	bc	cu	e	2	51	1	se
SWAN	193707012200	0.0	255		193707011100	11.4167	192.7500	ne	16	29.860	80	80	84	o	a cu	ne	7	30	2	ne
ITASCA	193707012230	0.0	0		193707011100	0.0000	0.0000	ne	16	29.840	84	80	83	bc	cicu	ene	3	25	2	ne
ONTARIO	193707012300	2.6	43		193707021000	-3.0867	165.2417	nexe	16	29.820	84	80	86	bc	cu	nexe	3	45	1	se
SWAN	193707012300	0.0	263	fixx	193707011200	11.4167	192.7500	ne	16	29.840	82	82	84	bc	a cu	ne	6	35	2	ne
ITASCA	193707012330	0.0	0		193707011200	0.0000	0.0000	ne	11	29.840	85	81	83	bc	cicu	ene	2	25	2	ene
ONTARIO	193707012400	2.6	43		193707021100	-3.0550	165.2708	nexe	16	29.800	83	80	86	bc	cu	nexe	4	45	1	se
SWAN	193707012400	0.0	263		193707011300	11.4167	192.7500	se	16	29.830	82	82	84	c	a cu	ne	6	35	4	ne

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
ITASCA	193707020030	0.0	0		193707011300	0.0000	0.0000	nexe	11	29.830	86	82	82	bc	acu	e	4	25	2	ene
ONTARIO	193707020100	0.3	59	fixx	193707021200	-3.0233	165.3000	nexe	16	29.780	84	80	86	bc	cu	nexe	4	45	1	e
SWAN	193707020100	0.0	263		193707011400	11.4167	192.7500	ne	12	29.820	82	83	84	c	a cu	ne	7	35	4	ne
ONTARIO	193707020110	0.3	59	c/s	193707021210	-3.0117	165.3005		0	0.000	0	0	0				0	0	0	
ITASCA	193707020130	0.0	0		193707011400	0.0000	0.0000	nexe	11	29.800	86	82	82	bc	acu	e	4	25	2	ene
ONTARIO	193707020200	0.3	59		193707021300	-3.0095	165.3040	e	16	29.770	84	80	86	bc	cu	e	6	50	1	e
SWAN	193707020200	0.0	263		193707011500	11.4167	192.7500	ne	16	29.810	82	82	84	c	a cu	ne	6	35	4	ne
ITASCA	193707020230	0.0	0		193707011500	0.0000	0.0000	nexe	11	29.790	88	83	82	bc	acu	e	7	25	2	ene
ONTARIO	193707020300	0.3	59		193707021400	-3.0070	165.3082	e	11	29.760	84	80	86	bc	cu	e	4	50	1	e
SWAN	193707020300	0.0	263		193707011600	11.4167	192.7500	ne	16	29.810	81	81	84	bc	ci cu	ne	5	35	4	ne
ITASCA	193707020330	0.0	0		193707011600	0.0000	0.0000	nexe	11	29.790	86	82	82	bc	acu	e	6	25	2	ene
ONTARIO	193707020400	0.3	59		193707021500	-3.0044	165.3124	e	16	29.750	85	80	86	c	cu	e	7	50	1	e
SWAN	193707020400	0.0	263		193707011700	11.4167	192.7500	ne	20	29.820	82	82	84	bc	a cu	ne	5	35	4	ne
ITASCA	193707020430	0.0	0		193707011700	0.0000	0.0000	ene	11	29.790	89	83	82	bc	cu	ne	3	25	2	ne
ONTARIO	193707020500	0.3	59		193707021600	-3.0019	165.3166	e	16	29.750	85	80	86	bc	cu	e	6	50	1	e
SWAN	193707020500	0.0	263		193707011800	11.4167	192.7500	ne	22	29.830	78	79	84	r	nb	ne	7	30	4	ne
ITASCA	193707020530	0.0	0		193707011800	0.0000	0.0000	ene	11	29.800	87	83	82	bc	ccu	ne	2	25	2	ne
ONTARIO	193707020600	0.3	59		193707021700	-2.9993	165.3208	e	16	29.770	84	80	86	bc	cu	e	5	50	1	e
SWAN	193707020600	0.0	263		193707011900	11.4167	192.7500	ne	24	29.850	80	80	84	o	nb	ne	10	15	4	ne
ITASCA	193707020630	0.0	0		193707011900	0.0000	0.0000	ne	11	29.810	83	80	82	bc	cicu	ne	4	20	2	ne
ONTARIO	193707020700	0.3	59		193707021800	-2.9968	165.3250	e	16	29.780	84	80	86	bc	cu	e	3	50	1	e
SWAN	193707020700	6.4	85	fixx	193707012000	11.4167	192.7500	ne	22	29.880	81	81	84	bc	cu nb	ne	7	10	4	ne
ITASCA	193707020730	0.0	0		193707012000	0.0000	0.0000	ne	16	29.820	82	80	82	bc	cu	ne	3	20	2	ne
ONTARIO	193707020800	0.3	59		193707021900	-2.9942	165.3291	e	16	29.790	84	80	86	bc	cu	e	3	45	1	e
SWAN	193707020800	6.4	85		193707012100	11.4260	192.8583	ne	24	29.880	81	81	84	bc	a cu	ne	6	10	4	ne
ITASCA	193707020830	0.0	0		192707012100	0.0000	0.0000		0	0.000	0	0	0				0	0	0	
ONTARIO	193707020900	2.1	82	fixx	193707022000	-2.9917	165.3333	e	16	29.820	84	80	86	bc	cu	e	4	40	1	e
SWAN	193707020900	6.4	85		193707012200	11.4352	192.9665	ne	24	29.890	80	80	84	bc	cu	ne	2	10	4	ne
ITASCA	193707020930	0.0	0		193707012200	0.0000	0.0000	ne	11	29.840	81	79	82	b			0	20	2	ne
ONTARIO	193707021000	2.1	82		193707022100	-2.9867	165.3688	e	20	29.820	83	79	86	bc	cu	e	3	40	1	e
SWAN	193707021000	6.4	85		193707012300	11.4445	193.0748	ne	24	29.890	80	80	84	bc	cu	ne	2	10	4	ne
ITASCA	193707021030	0.0	0		193707012300	0.0000	0.0000	ne	11	29.840	81	79	82	bc	cicu	e	1	20	2	ne
ONTARIO	193707021100	2.1	82		193707022200	-2.9817	165.4044	ene	20	29.820	83	80	86	bc	cu	ene	2	40	1	e
SWAN	193707021100	6.4	85		193707012400	11.4538	193.1831	ne	24	29.880	80	80	84	bc	cu	ne	2	10	4	ne
SWAN	193707021103	3.6	265	c/c	193707020003	11.4543	193.1885		0	0.000	0	0	0				0	0	0	
ITASCA	193707021130	0.0	0		193707012400	0.0000	0.0000	ne	11	29.890	81	79	82	bc	cicu	e	1	20	2	ne
ONTARIO	193707021200	2.1	82		193707022300	-2.9767	165.4399	ene	20	29.820	83	80	86	bc	cu	ene	3	40	1	e
SWAN	193707021200	3.6	265		193707020100	11.4493	193.1310	ne	24	29.860	80	80	84	bc	a cu	ne	5	1	4	ne
ITASCA	193707021230	0.0	0		193707020100	0.0000	0.0000	e	11	29.820	82	80	83	b			0	0	1	ene
ONTARIO	193707021300	2.1	82		193707022400	-2.9717	165.4754	ene	20	29.810	83	81	86	cr	cu	ene	7	40	1	e
SWAN	193707021300	3.6	265		193707020200	11.4442	193.0706	ne	24	29.860	80	80	84	bc	st cu	ne	4	1	4	ne
ITASCA	193707021330	0.0	0		193707020200	0.0000	0.0000	e	11	29.820	81	79	83	b			0	20	1	ene
ONTARIO	193707021400	2.1	82		193707030100	-2.9668	165.5109	sexe	16	29.800	80	78	86	cr	nb	sexe	8	40	1	e
SWAN	193707021400	3.6	265		193707020300	11.4390	193.0101	ne	26	29.860	80	80	84	bc	st cu	ne	3	1	4	ne
ITASCA	193707021430	0.0	0		193707020300	0.0000	0.0000	e	11	29.820	81	79	83	b			0	20	1	ene
ONTARIO	193707021500	2.1	82		193707030200	-2.9618	165.5464	ne	20	29.790	82	79	86	bcp	cu nb	ne	6	40	1	e
SWAN	193707021500	3.6	265		193707020400	11.4338	192.9497	ne	26	29.840	80	80	84	bc	st cu	ne	4	1	4	ne
ONTARIO	193707021515	8.1	113	c/c	193707030215	-2.9605	165.5553		0	0.000	0	0	0				0	0	0	
ITASCA	193707021530	0.0	0		193707020400	0.0000	0.0000	e	11	29.820	81	79	83	bc	acu	e	2	20	1	ene
ONTARIO	193707021600	8.1	113		193707030300	-3.0008	165.6481	e	20	29.790	82	79	86	cp	cu nb	e	9	40	1	e
SWAN	193707021600	3.6	265		193707020500	11.4286	192.8892	ne	24	29.840	80	80	84	bc	ci cu	ne	4	1	4	ne
ITASCA	193707021630	0.0	0		193707020500	0.0000	0.0000	e	11	29.820	81	79	83	bc	cu	e	2	25	2	ene
ONTARIO	193707021700	8.1	113		193707030400	-3.0544	165.7718	e	16	29.790	82	79	86	bc	ci cu	e	6	40	1	e
SWAN	193707021700	3.6	265		193707020600	11.4234	192.8287	ne	24	29.820	80	81	84	bc	a cu	ne	4	15	2	ne
ITASCA	193707021730	0.0	0		193707020600	0.0000	0.0000	e	11	29.830	81	79	83	bc	scu	ene	4	25	1	ene
ONTARIO	193707021800	8.1	113		193707030500	-3.1080	165.8955	ne	16	29.810	83	79	86	cu	st cu	ne	10	30	1	e
SWAN	193707021800	3.6	265		193707020700	11.4182	192.7683	ne	20	29.860	81	82	84	bc	a cu	ne	3	25	2	ne
ITASCA	193707021830	0.0	0		193707020700	0.0000	0.0000	e	7	29.840	81	79	83	bcp	cu	e	3	25	1	ese
SWAN	193707021845	6.4	85	c/c	193707020745	11.4143	192.7229		0	0.000	0	0	0				0	0	0	
ONTARIO	193707021900	8.1	113		193707030600	-3.1616	166.0192	e	11	29.810	83	79	86	c	ci st	e	9	40	1	e
SWAN	193707021900	0.2	156	fixx	193707020800	11.4167	192.7500	ne	20	29.880	82	81	84	bc	a cu	ne	3	30	2	ne
ITASCA	193707021930	0.0	0		193707020800	0.0000	0.0000	e	7	29.870	84	81	83	bc	cu	e	3	25	1	ese
ONTARIO	193707022000	8.1	113		193707030700	-3.2153	166.1429	e	16	29.830	81	79	86	c	ci st	e	8	45	1	e

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
SWAN	193707022000	0.2	156		193707020900	11.4131	192.7516	ne	22	29.880	82	82	84	bc	a cu	ne	5	30	4	ne
ITASCA	193707022030	0.0	0		193707020900	0.0000	0.0000	e	11	29.880	83	81	83	bc	cu	e	2	25	1	ese
ONTARIO	193707022100	7.0	113	fixx	193707030800	-3.2689	166.2667	e	11	29.860	82	79	86	c	ci	e	7	45	1	e
SWAN	193707022100	0.2	156		193707021000	11.4094	192.7533	ne	22	29.870	82	82	84	c	a cu	ne	7	35	4	ne
ITASCA	193707022130	0.0	0		193707021000	0.0000	0.0000	ese	11	29.880	83	81	83	bc	cu	ese	3	25	1	se
ONTARIO	193707022200	7.0	113		193707030900	-3.3149	166.3737	e	16	29.870	83	79	86	c	ci st	e	7	45	1	e
SWAN	193707022200	0.2	156		193707021100	11.4058	192.7549	ne	22	29.870	82	82	84	c	a st	ne	8	35	4	ne
ONTARIO	193707022206	7.0	115	c/c	193707030906	-3.3195	166.3844		0	0.000	0	0	0				0	0	0	
ITASCA	193707022210	16.0	337	c/cs	193707021040	0.0000	0.0000		0	0.000	0	0	0				0	0	0	
ITASCA	193707022230	16.0	337		193707021100	0.0000	0.0000	e	11	29.880	84	81	83	bcp	acu	ne	5	25	2	ene
ITASCA	193707022238	16.0	338	c/c	193707021108	0.0000	0.0000		0	0.000	0	0	0				0	0	0	
SWAN	193707022246	3.8	336	c/c	193707021146	11.4031	192.7562		0	0.000	0	0	0				0	0	0	
ONTARIO	193707022300	7.0	115		193707031000	-3.3631	166.4797	e	16	29.870	83	79	86	bc	cu	e	5	50	1	e
SWAN	193707022300	4.5	42	fixx	193707021200	11.4167	192.7500	ne	22	29.870	82	82	84	c	a cu	ne	8	35	4	ne
ITASCA	193707022330	16.4	339	fixx	193707021200	1.1000	183.2333	e	11	29.850	85	82	84	bc	cu	ene	5	25	2	exn
ONTARIO	193707022400	7.0	115		193707031100	-3.4116	166.5857	e	16	29.860	83	79	86	bc	cu	e	6	50	1	e
SWAN	193707022400	4.5	42		193707021300	11.4729	192.8017	ne	20	29.870	81	81	84	bc	a cu	ne	6	40	3	ne
ITASCA	193707030030	16.4	339		193707021300	1.3550	183.1329	e	11	29.830	87	82	84	c	acu	nne	6	25	2	e
ITASCA	193707030046	14.4	339	c/s	193707021316	1.4230	183.1062		0	0.000	0	0	0				0	0	0	
ONTARIO	193707030100	8.5	115	fixx	193707031200	-3.4600	166.6917	ene	11	29.840	84	79	86	bc	cu	ene	6	51	1	e
SWAN	193707030100	4.5	42		193707021400	11.5292	192.8534	ne	20	29.860	80	80	84	bc	a cu	ne	5	40	3	ne
ITASCA	193707030125	14.1	78	c/c	193707021355	1.5687	183.0490		0	0.000	0	0	0				0	0	0	
ITASCA	193707030130	14.1	78		193707021400	1.5727	183.0681	e	11	29.800	88	83	84	bc	cu	ne	5	25	2	e
ONTARIO	193707030200	8.5	115		193707031300	-3.5204	166.8198	ene	11	29.830	84	79	86	bc	cu	ene	5	51	1	e
SWAN	193707030200	4.5	42		193707021500	11.5854	192.9051	ne	18	29.830	80	80	84	bc	a cu	ne	5	40	3	ne
ITASCA	193707030230	14.1	78		193707021500	1.6210	183.2975	e	11	29.780	88	83	84	bc	cu	e	3	25	2	e
ONTARIO	193707030300	8.5	115		193707031400	-3.5808	166.9479	ene	16	29.810	84	80	86	crq	nb	ene	9	40	1	e
SWAN	193707030300	4.5	42		193707021600	11.6417	192.9568	ne	16	29.830	81	81	84	bc	st cu	ne	6	40	3	ne
ITASCA	193707030330	14.1	78		193707021600	1.6693	183.5269	e	11	29.780	88	84	84	bc	cu	e	4	25	2	e
SWAN	193707030335	5.5	222	c/c	193707021635	11.6745	192.9869		0	0.000	0	0	0				0	0	0	
ONTARIO	193707030400	8.5	115		193707031500	-3.6412	167.0760	ene	16	29.800	82	79	86	bcp	cu nb	ene	6	51	1	e
SWAN	193707030400	5.5	222		193707021700	11.6463	192.9610	ne	16	29.820	83	83	84	o	st cu	ne	7	40	3	ne
ITASCA	193707030430	14.1	78		193707021700	1.7176	183.7564	e	11	29.790	89	85	84	bc	ci cu	e	5	25	2	e
ONTARIO	193707030500	8.5	115		193707031600	-3.7017	167.2041	ene	16	29.790	83	79	86	bc	cu	e	5	51	1	e
SWAN	193707030500	5.5	222		193707021800	11.5787	192.8989	ne	16	29.840	82	82	84	o	st cu	ne	7	40	3	ne
ITASCA	193707030530	14.1	78		193707021800	1.7659	183.9858	ese	11	29.790	87	83	84	bc	acu	se	5	25	3	exn
PBY	193707030552	110	221	c/cs	193707021922	0.0000	0.0000		0	0.000	0	0	0				0	0	0	
PBY	193707030553	118	222	radi	193707021923	21.3667	202.0333		0	0.000	0	0	0				0	0	0	
ONTARIO	193707030600	8.5	115		193707031700	-3.7621	167.3322	e	16	29.820	83	79	86	c	ci	exn	9	51	1	e
PBY	193707030600	118	222		193707021930	21.1971	201.8685		0	0.000	0	0	0				0	0	0	
SWAN	193707030600	5.5	222		193707021900	11.5111	192.8368	ne	16	29.850	81	81	84	o	st cu	ne	9	15	3	ne
ITASCA	193707030622	14.5	345	c/c	193707021852	1.8077	184.1846		0	0.000	0	0	0				0	0	0	
ITASCA	193707030630	14.5	345		193707021900	1.8388	184.1765	ese	11	29.820	82	80	84	o	acu	se	10	20	3	exn
PBY	193707030630	118	222		193707022000	20.4703	201.1645		0	0.000	0	0	0				0	0	0	
SWAN	193707030634	10.5	222	c/s	193707021934	11.4728	192.8016		0	0.000	0	0	0				0	0	0	
ITASCA	193707030645	14.1	78	c/c	193707021915	1.8971	184.1613		0	0.000	0	0	0				0	0	0	
ONTARIO	193707030700	8.5	115		193707031800	-3.8225	167.4604	exn	11	29.830	83	78	86	bc	cu	exn	6	51	1	e
PBY	193707030700	118	222		193707022030	19.7435	200.4639		0	0.000	0	0	0				0	0	0	
SWAN	193707030700	9.8	221	fixx	193707022000	11.4167	192.7500	ne	16	29.880	81	81	84	o	st cu	ne	9	1	3	ne
ITASCA	193707030730	13.6	313	fixx	193707022000	1.9333	184.3333	ese	11	29.820	82	80	84	c	ast	se	8	20	3	exn
PBY	193707030730	114	219	radm	193707022100	19.0167	199.7667		0	0.000	0	0	0				0	0	0	
ONTARIO	193707030800	8.5	115		193707031900	-3.8829	167.5885	exn	11	29.840	83	78	86	bc	cu	exn	3	40	1	e
PBY	193707030800	114	219		193707022130	18.2833	199.1321		0	0.000	0	0	0				0	0	0	
SWAN	193707030800	9.8	221		193707022100	11.2933	192.6399	ne	16	29.900	81	81	84	o	st cu	ne	9	1	3	ne
ITASCA	193707030818	13.6	313	c/c	193707022048	2.1141	184.2776		0	0.000	0	0	0				0	0	0	
ITASCA	193707030830	13.6	317	c/c	193707022100	2.1447	184.2444	ese	11	29.840	82	80	84	bc	ast	se	6	20	3	exn
PBY	193707030830	119	222	radi	193707022200	17.5500	198.5000		0	0.000	0	0	0				0	0	0	
ONTARIO	193707030900	8.7	120	fixx	193707032000	-3.9433	167.7167	exn	11	29.850	83	79	86	bc	cu	exn	4	35	1	e
PBY	193707030900	119	222		193707022230	16.8167	197.7986		0	0.000	0	0	0				0	0	0	
SWAN	193707030900	9.8	221		193707022200	11.1700	192.5299	ne	16	29.900	81	81	84	bc	st cu	ne	5	1	3	ne
ITASCA	193707030910	14.2	343	c/c	193707022140	2.2552	184.1406		0	0.000	0	0	0				0	0	0	
ITASCA	193707030930	14.2	343		193707022200	2.3305	184.1174	ese	11	29.840	81	79	84	bc	acu	se	2	20	3	exn
PBY	193707030930	122	219	radi	193707022300	16.0833	197.1000		0	0.000	0	0	0				0	0	0	



Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
ITASCA	193707030945	15.2	79	c/c	193707022215	2.3870	184.1000		0	0.000	0	0	0				0	0	0	
ITASCA	193707030950	12.8	78	c/s	193707022220	2.3912	184.1207		0	0.000	0	0	0				0	0	0	
ONTARIO	193707031000	8.7	120		193707032100	-4.0163	167.8430	exn	11	29.860	83	79	86	bc	cu	exn	2	35	1	e
PBY	193707031000	122	219		193707022330	15.2917	196.4321		0	0.000	0	0	0				0	0	0	
SWAN	193707031000	9.8	221		193707022300	11.0467	192.4199	ne	16	29.900	81	81	84	o	st cu	ne	9	1	3	ne
ITASCA	193707031003	10.6	210	c/c	193707022233	2.4006	184.1658		0	0.000	0	0	0				0	0	0	
ITASCA	193707031017	10.6	209	c/c	193707022247	2.3650	184.1454		0	0.000	0	0	0				0	0	0	
ITASCA	193707031030	10.6	209		193707022300	2.3315	184.1270	ese	11	29.850	81	79	84	bc	cu	se	2	20	3	exn
PBY	193707031030	121	224	radi	193707022400	14.5000	195.7667		0	0.000	0	0	0				0	0	0	
PBY	193707031040	121	224		193707030010	14.2556	195.5271		0	0.000	0	0	0				0	0	0	
ONTARIO	193707031100	8.7	120		193707032200	-4.0892	167.9694	exn	11	29.870	83	78	86	bc	cu	exn	2	40	1	e
PBY	193707031100	121	224		193707030030	13.7667	195.0488		0	0.000	0	0	0				0	0	0	
SWAN	193707031100	9.8	221		193707022400	10.9233	192.3099	ne	16	29.890	81	81	84	o	st cu	ne	9	1	3	ne
ITASCA	193707031130	10.6	209		193707022400	2.1772	184.0423	ese	11	29.850	81	79	83	bc	cu	se	2	20	2	exn
PBY	193707031130	125	213	radi	193707030100	13.0333	194.3333		0	0.000	0	0	0				0	0	0	
ITASCA	193707031200	12.7	214	radm	193707030030	2.1000	184.0000		0	0.000	0	0	0				0	0	0	
ONTARIO	193707031200	8.7	120		193707032300	-4.1621	168.0957	exn	11	29.860	83	78	86	bc	cu	exn	2	40	1	e
PBY	193707031200	125	213		193707030130	12.1667	193.7493		0	0.000	0	0	0				0	0	0	
SWAN	193707031200	9.8	222	radm	193707030100	10.8000	192.2000	ne	18	29.840	80	81	84	bc	ci cu	ne	3	10	2	ne
PBY	193707031210	125	213		193707030140	11.8778	193.5549		0	0.000	0	0	0				0	0	0	
ITASCA	193707031230	12.7	214		193707030100	2.0117	183.9410	sse	16	29.830	79	78	83	cp	cu	se	7	20	2	ese
PBY	193707031230	122	232	radi	193707030200	11.3000	193.1667		0	0.000	0	0	0				0	0	0	
PBY	193707031243	122	232		193707030213	11.0292	192.8120		0	0.000	0	0	0				0	0	0	
SWAN	193707031243	9.8	222		193707030143	10.7124	192.1204		0	0.000	0	0	0				0	0	0	
ONTARIO	193707031300	8.7	120		193707032400	-4.2350	168.2221	exn	11	29.860	83	78	86	bc	cu	exn	2	40	1	e
PBY	193707031300	122	232		193707030230	10.6750	192.3489		0	0.000	0	0	0				0	0	0	
SWAN	193707031300	9.8	222		193707030200	10.6778	192.0889	e	18	29.820	81	81	84	bc	ci cu	e	3	10	2	ne
PBY	193707031310	122	232		193707030240	10.4667	192.0768		0	0.000	0	0	0				0	0	0	
SWAN	193707031310	9.8	222		193707030210	10.6574	192.0704		0	0.000	0	0	0				0	0	0	
ITASCA	193707031330	12.7	214		193707030200	1.8351	183.8229	sse	11	29.810	80	78	83	c	cu	se	6	25	2	ese
PBY	193707031330	131	222	radi	193707030300	10.0500	191.5333		0	0.000	0	0	0				0	0	0	
SWAN	193707031330	8.9	226	radm	193707030230	10.6167	192.0333		0	0.000	0	0	0				0	0	0	
ITASCA	193707031347	12.1	170	c/c	193707030217	1.7851	183.7895		0	0.000	0	0	0				0	0	0	
ONTARIO	193707031400	8.7	120		193707040100	-4.3079	168.3485	e	16	29.840	82	78	86	bcr	nb	e	6	40	1	e
PBY	193707031400	131	222		193707030330	9.2333	190.7991		0	0.000	0	0	0				0	0	0	
SWAN	193707031400	8.9	226		193707030300	10.5652	191.9795	e	18	29.800	80	81	84	bc	ci cu	e	5	1	2	ne
ITASCA	193707031430	12.1	170		193707030300	1.6422	183.8142	se	11	29.800	82	79	83	bc	cu	se	5	25	2	ese
PBY	193707031430	135	222	radi	193707030400	8.4167	190.0667		0	0.000	0	0	0				0	0	0	
ITASCA	193707031445	12.8	222	c/c	193707030315	1.5924	183.8228		0	0.000	0	0	0				0	0	0	
ONTARIO	193707031500	8.7	120		193707040200	-4.3808	168.4748	e	16	29.830	82	78	86	bc	cu	e	2	45	1	e
PBY	193707031500	135	222		193707030430	7.5833	189.2992		0	0.000	0	0	0				0	0	0	
SWAN	193707031500	8.9	226		193707030400	10.4621	191.8718	e	18	29.820	80	81	84	bc	ci cu	e	4	1	2	ne
ITASCA	193707031530	12.8	222		193707030400	1.4735	183.7160	se	11	29.800	81	79	83	c	acu	se	7	25	2	ese
PBY	193707031530	115	225	radi	193707030500	6.7500	188.5333		0	0.000	0	0	0				0	0	0	
ONTARIO	193707031600	8.7	120		193707040300	-4.4538	168.6012	e	16	29.830	82	78	86	bcp	cu nb	e	4	45	1	e
PBY	193707031600	115	225		193707030530	6.0729	187.8517		0	0.000	0	0	0				0	0	0	
SWAN	193707031600	8.9	226		193707030500	10.3591	191.7642	e	16	29.810	80	81	84	bc	ci cu	e	3	10	4	e
ITASCA	193707031630	12.5	194	c/c	193707030500	1.3149	183.5736	ese	7	29.810	82	79	83	bc	cu	se	2	25	1	ese
PBY	193707031630	115	225		193707030600	5.3959	187.1711		0	0.000	0	0	0				0	0	0	
PBY	193707031640	106	37	c/cs	193707030610	5.1702	186.9444		0	0.000	0	0	0				0	0	0	
ITASCA	193707031642	12.9	193	c/c	193707030512	1.2743	183.5638		0	0.000	0	0	0				0	0	0	
ONTARIO	193707031700	8.7	120		193707040400	-4.5267	168.7276	e	16	29.840	82	77	86	bc	cu	e	1	45	1	e
PBY	193707031700	106	37		193707030630	5.6412	187.2960		0	0.000	0	0	0				0	0	0	
SWAN	193707031700	8.9	226		193707030600	10.2561	191.6567	e	14	29.820	81	81	84	bc	st cu	e	5	20	4	e
ITASCA	193707031730	12.9	193		193707030600	1.1067	183.5236	se	7	29.810	82	79	83	bc	cu	se	3	25	2	se
PBY	193707031730	106	37		193707030700	6.3478	187.8239		0	0.000	0	0	0				0	0	0	
PBY	193707031740	85.0	42	radi	193707030710	6.5833	188.0000		0	0.000	0	0	0				0	0	0	
ITASCA	193707031754	12.8	186	c/c	193707030624	1.0228	183.5034		0	0.000	0	0	0				0	0	0	
ONTARIO	193707031800	8.7	120		193707040500	-4.5996	168.8540	exn	11	29.850	82	77	86	bc	cu	exn	6	45	1	e
PBY	193707031800	85.0	42		193707030730	6.9318	188.3206		0	0.000	0	0	0				0	0	0	
SWAN	193707031800	8.9	226		193707030700	10.1530	191.5492	ene	10	29.820	82	81	84	bc	ci cu	ne	3	30	4	ne
ITASCA	193707031830	12.8	186		193707030700	0.8953	183.4899	se	11	29.820	82	79	83	bc	acu	se	5	25	2	se
PBY	193707031830	85.0	42		193707030800	7.4545	188.8020		0	0.000	0	0	0				0	0	0	

Ship	Timez	Speed	Heading	Comment	Timel	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
ITASCA	193707031850	13.1	212	c/c	193707030720	0.8245	183.4824		0	0.000	0	0	0				0	0	0	
ITASCA	193707031900	12.7	179	c/c	193707030730	0.7935	183.4632		0	0.000	0	0	0				0	0	0	
ONTARIO	193707031900	8.7	120		193707040600	-4.6725	168.9805	exn	16	29.850	82	77	86	bc	cu	exn	6	51	1	e
PBY	193707031900	85.0	42		193707030830	7.9773	189.2840		0	0.000	0	0	0				0	0	0	
SWAN	193707031900	9.9	221	fixx	193707030800	10.0500	191.4417	ene	10	29.830	82	82	84	bc	ci cu	ne	4	35	4	ne
ITASCA	193707031930	12.7	179		193707030800	0.6876	183.4641	se	16	29.840	82	79	83	bc	cu	se	4	25	2	se
PBY	193707031930	90.9	47	radm	193707030900	8.5000	189.7667		0	0.000	0	0	0				0	0	0	
ITASCA	193707031936	1.2	231	c/s	193707030806	0.6664	183.4643		0	0.000	0	0	0				0	0	0	
ITASCA	193707032000	11.7	358	c/cs	193707030830	0.6614	183.4581		0	0.000	0	0	0				0	0	0	
ONTARIO	193707032000	8.7	120		193707040700	-4.7454	169.1069	exn	16	29.860	82	78	86	bc	cu	exn	6	51	1	e
PBY	193707032000	90.9	47		193707030930	9.0208	190.3234		0	0.000	0	0	0				0	0	0	
SWAN	193707032000	9.9	221		193707030900	9.9250	191.3312	ne	10	29.860	83	82	84	bc	a cu	ne	4	40	2	ne
ITASCA	193707032000	11.7	358		193707030900	0.7592	183.4540	ese	16	29.840	84	82	83	bc	cu	se	0	25	2	se
PBY	193707032030	90.9	47		193707031000	9.5417	190.8812		0	0.000	0	0	0				0	0	0	
PBY	193707032043	90.9	47		193707031013	9.7674	191.1232		0	0.000	0	0	0				0	0	0	
SWAN	193707032043	9.9	221		193707030943	9.8354	191.2520		0	0.000	0	0	0				0	0	0	
ONTARIO	193707032100	10.1	120	fixx	193707040800	-4.8183	169.2333	exn	16	29.870	83	77	86	bc	cu	exn	5	51	1	e
PBY	193707032100	90.9	47		193707031030	10.0625	191.4400		0	0.000	0	0	0				0	0	0	
SWAN	193707032100	9.9	221		193707031000	9.8000	191.2208	ne	12	29.860	85	83	84	bc	cu	ne	4	40	2	ne
ITASCA	193707032105	14.7	358	c/s	193707030935	0.8732	183.4491		0	0.000	0	0	0				0	0	0	
ITASCA	193707032130	14.7	358		193707031000	0.9756	183.4464	sexe	16	29.850	85	82	83	bc	cu	se	2	25	2	se
PBY	193707032130	94.5	48	radm	193707031100	10.5833	192.0000		0	0.000	0	0	0				0	0	0	
ONTARIO	193707032200	10.1	120		193707040900	-4.9033	169.3787	ese	20	29.870	83	78	86	bc	cu	ese	6	51	1	e
PBY	193707032200	94.5	48		193707031130	11.1125	192.5937		0	0.000	0	0	0				0	0	0	
SWAN	193707032200	9.9	221		193707031100	9.6750	191.1104	ne	12	29.840	87	84	84	bc	cu	ne	4	40	2	ne
ITASCA	193707032230	14.7	358		193707031100	1.2211	183.4399	ese	16	29.850	85	83	83	bc	cu	ese	3	25	2	se
PBY	193707032230	94.5	48		193707031200	11.6417	193.1887		0	0.000	0	0	0				0	0	0	
ONTARIO	193707032300	10.1	120		193707041000	-4.9883	169.5241	ese	20	29.870	83	78	86	bc	cu	ese	6	51	1	e
PBY	193707032300	94.5	48		193707031230	12.1708	193.7852		0	0.000	0	0	0				0	0	0	
SWAN	193707032300	1.7	154	fixx	193707031200	9.5500	191.0000	ne	12	29.810	87	84	84	bc	st	ene	5	40	2	ne
ITASCA	193707032330	17.5	1	fixx	193707031200	1.4667	183.4333	ese	16	29.840	85	83	83	c	cu	ese	6	25	2	ese
PBY	193707032330	106	40	radi	193707031300	12.7000	194.3833		0	0.000	0	0	0				0	0	0	
ITASCA	193707032355	17.5	1	c/s	193707031225	1.5751	183.4354		0	0.000	0	0	0				0	0	0	
ONTARIO	193707032400	10.1	120		193707041100	-5.0733	169.6696	ese	20	29.860	83	78	86	bc	ci	ese	4	51	1	e
PBY	193707032400	106	40		193707031330	13.3736	194.9666		0	0.000	0	0	0				0	0	0	
SWAN	193707032400	8.0	217	radm	193707031300	9.4000	190.9000	ne	12	29.810	80	89	85	bc	ci st	ne	5	40	2	ne
ITASCA	193707040030	17.5	1		193707031300	1.7453	183.4388	sse	16	29.810	88	85	83	bc	cu	ese	5	25	2	ese
PBY	193707040030	106	40		193707031400	14.0472	195.5515		0	0.000	0	0	0				0	0	0	
COLORAD	193707040038	15.0	223	c/cs	193707031408	0.0000	0.0000		0	0.000	0	0	0				0	0	0	
ONTARIO	193707040100	8.4	112	fixx	193707041200	-5.1583	169.8150	ese	20	29.840	83	79	86	bc	ci	ese	4	51	1	e
PBY	193707040100	106	40		193707031430	14.7207	196.1381		0	0.000	0	0	0				0	0	0	
SWAN	193707040100	8.0	217		193707031400	9.2929	190.8190	ne	12	29.800	87	86	85	bc	ci st	ne	5	40	2	ne
COLORAD	193707040130	15.0	223		193707031500	0.0000	0.0000	e	10	29.920	79	79	78	bc	a cu	e	3	45	1	e
ITASCA	193707040130	17.4	29	c/c	193707031400	2.0372	183.4448	se	11	29.800	90	86	83	c	cu	ese	7	25	2	ese
PBY	193707040130	106	40		193707031500	15.3943	196.7264		0	0.000	0	0	0				0	0	0	
ONTARIO	193707040200	8.4	112		193707041300	-5.2102	169.9452	ese	20	29.810	83	78	86	bc	ci	ese	4	51	2	ese
PBY	193707040200	106	40		193707031530	16.0679	197.3165		0	0.000	0	0	0				0	0	0	
SWAN	193707040200	8.0	217		193707031500	9.1857	190.7380	ne	12	29.780	83	83	85	bc	ci st	ne	5	40	2	ne
COLORAD	193707040230	15.0	223		193707031600	0.0000	0.0000	e	10	29.920	79	79	79	bc	a cu	e	2	45	3	e
ITASCA	193707040230	17.4	29		193707031500	2.2903	183.5858	se	11	29.790	87	82	84	o	ast	e	10	20	3	ese
PBY	193707040230	106	40		193707031600	16.7415	197.9085		0	0.000	0	0	0				0	0	0	
ONTARIO	193707040300	8.4	112		193707041400	-5.2621	170.0754	ese	20	29.810	83	78	86	bc	ci	ese	3	51	2	ese
PBY	193707040300	106	40		193707031630	17.4150	198.5026		0	0.000	0	0	0				0	0	0	
SWAN	193707040300	8.0	217		193707031600	9.0786	190.6570	ne	12	29.780	91	91	85	bc	ci st	ne	5	40	2	ne
COLORAD	193707040330	15.0	223		193707031700	0.0000	0.0000	ene	21	29.900	77	79	79	bc	ci cu	ene	1	45	2	e
ITASCA	193707040330	17.4	29		193707031600	2.5435	183.7267	se	11	29.790	84	82	84	o	ast	e	10	20	3	ese
PBY	193707040330	106	40		193707031700	18.0886	199.0988		0	0.000	0	0	0				0	0	0	
ITASCA	193707040335	17.6	263	c/c	193707031605	2.5646	183.7385		0	0.000	0	0	0				0	0	0	
ONTARIO	193707040400	8.4	112		193707041500	-5.3140	170.2056	ese	20	29.790	83	77	86	bc	ci st	ese	3	51	2	ese
PBY	193707040400	106	40		193707031730	18.7622	199.6972		0	0.000	0	0	0				0	0	0	
SWAN	193707040400	8.0	217		193707031700	8.9714	190.5761	ne	12	29.800	90	90	85	bc	ci st	ne	7	40	2	ne
COLORAD	193707040430	15.0	223		193707031800	0.0000	0.0000	ene	17	29.900	78	78	80	bc	ci cu	ene	2	45	2	ne
ITASCA	193707040430	17.6	263		193707031700	2.5294	183.4712	ese	11	29.800	83	81	84	o	ast	e	10	20	2	se

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
PBY	193707040430	106	40		193707031800	19.4358	200.2978		0	0.000	0	0	0				0	0	0	
ONTARIO	193707040500	8.4	112		193707041600	-5.3658	170.3358	ese	20	29.800	83	78	86	bc	ci	ese	4	51	2	ese
PBY	193707040500	106	40		193707031830	20.1093	200.9009		0	0.000	0	0	0				0	0	0	
SWAN	193707040500	8.0	217		193707031800	8.8643	190.4951	ne	12	29.800	87	88	85	bc	ci st	ne	7	35	2	ne
COLORAD	193707040530	15.0	223		193707031900	0.0000	0.0000	ene	21	29.900	78	78	80	bc	ci cu	ene	2	35	2	ne
ITASCA	193707040530	17.4	212	c/c	193707031800	2.4911	183.1796	ese	11	29.810	83	81	84	o	st cu	ese	10	20	2	se
PBY	193707040530	106	40		193707031900	20.7829	201.5064		0	0.000	0	0	0				0	0	0	
PBY	193707040556	106	40	radi	193707031926	21.3667	202.0333		0	0.000	0	0	0				0	0	0	
PBY	193707040557	0.0	128		193707031927	0.0000	0.0000		0	0.000	0	0	0				0	0	0	
ONTARIO	193707040600	8.4	112		193707041700	-5.4177	170.4660	ese	16	29.800	83	79	86	bc	cu	ese	6	51	2	ese
SWAN	193707040600	8.0	217		193707031900	8.7571	190.4142	ne	12	29.820	79	80	85	bc	ci st	ne	7	25	2	ne
COLORAD	193707040630	15.3	222	fixx	193707032000	20.1333	200.8500	ene	20	0.000	76	77	80	bc	st cu	ene	1	30	4	ne
ITASCA	193707040630	17.4	212		193707031900	2.2445	183.0259	ese	11	29.820	82	80	84	c	st cu	ese	7	20	2	se
ITASCA	193707040640	17.6	243	c/c	193707031910	2.2034	183.0003		0	0.000	0	0	0				0	0	0	
ONTARIO	193707040700	8.4	112		193707041800	-5.4696	170.5962	ese	16	29.820	83	79	86	bc	cu	ese	3	45	2	ese
SWAN	193707040700	9.6	221	fixx	193707032000	8.6500	190.3333	ne	6	29.820	83	84	85	o	st cu	ne	9	1	2	ne
COLORAD	193707040730	15.3	222		193707032100	19.9444	200.6669	ene	20	29.920	76	73	80	bc	ci cu	ene	4	30	4	ne
ITASCA	193707040730	17.5	242	fixx	193707032000	2.0917	182.7833	ese	11	29.830	80	78	83	bc	acu	ese	5	20	2	se
ITASCA	193707040734	17.5	242	c/c	193707032004	2.0830	182.7659		0	0.000	0	0	0				0	0	0	
ONTARIO	193707040800	8.4	112		193707041900	-5.5215	170.7264	ese	16	29.830	83	78	86	bc	cu	ese	2	40	2	ese
SWAN	193707040800	9.6	221		193707032100	8.5283	190.2281	ne	12	29.820	82	83	85	o	st cu	ne	9	1	2	ne
SWAN	193707040813	9.6	218	c/c	193707032113	8.5020	190.2054		0	0.000	0	0	0				0	0	0	
COLORAD	193707040830	15.3	222		193707032200	19.7556	200.4841	ene	20	29.920	76	73	79	bc	ci cu	ene	3	30	3	ne
ITASCA	193707040830	17.5	242		193707032100	1.9540	182.5267	ese	11	29.850	82	79	84	c	st cu	ese	6	20	2	se
ITASCA	193707040900	17.6	260	c/c	193707032130	1.8849	182.3986		0	0.000	0	0	0				0	0	0	
ONTARIO	193707040900	8.3	107	fixx	193707042000	-5.5733	170.8567	ese	16	29.840	83	79	86	bc	cu	ese	2	40	2	ese
SWAN	193707040900	9.6	218		193707032200	8.4037	190.1265	ne	12	29.840	81	82	85	bc	st cu	ne	6	1	2	ne
SWAN	193707040910	7.6	218	c/s	193707032210	8.3828	190.1097		0	0.000	0	0	0				0	0	0	
COLORAD	193707040930	15.3	222		193707032300	19.5667	200.3014	ene	20	29.920	76	74	80	bc	ci cu	ene	4	30	3	ne
ITASCA	193707040930	17.6	260		193707032200	1.8606	182.2537	ese	11	29.840	82	79	84	cp	st cu	ese	6	20	2	se
ONTARIO	193707041000	8.3	107		193707042100	-5.6142	170.9891	ese	20	29.850	81	79	86	bcp	cu nb	ese	4	40	2	ese
SWAN	193707041000	7.6	218		193707032300	8.2995	190.0438	ne	12	29.860	81	82	85	bc	st cu	ne	5	1	2	ne
COLORAD	193707041030	15.3	222		193707032400	19.3778	200.1190	ene	20	29.920	76	74	80	bc	ci	ene	4	30	3	ne
ITASCA	193707041030	17.6	260		193707032300	1.8120	181.9640	ws	11	29.830	82	79	84	c	st cu	ese	6	20	2	se
ONTARIO	193707041100	8.3	107		193707042200	-5.6550	171.1216	ese	24	29.840	83	79	86	bc	cu	ese	3	40	2	ese
SWAN	193707041100	7.6	218		193707032400	8.1995	189.9648	ne	20	29.800	79	81	85	r	cu nb	ne	7	1	4	ne
COLORAD	193707041130	15.3	222		193707040100	19.1889	199.9367	sse	7	29.890	76	72	80	q	ni	sse	7	8	1	s
ITASCA	193707041130	17.6	260		193707032400	1.7634	181.6742	ws	16	29.820	82	79	84	cp	st cu	ese	7	20	2	se
ONTARIO	193707041200	8.3	107		193707042300	-5.6958	171.2540	ese	24	29.840	83	79	86	bcl	cu	ese	2	40	2	ese
SWAN	193707041200	7.6	218		193707040100	8.0996	189.8858	se	20	29.800	77	77	85	q	nb	se	10	10	4	se
COLORAD	193707041230	15.3	222		193707040200	19.0000	199.7547	sse	7	29.880	76	73	80	bc	cu	sse	5	10	1	s
ITASCA	193707041230	17.6	260		193707040100	1.7148	181.3844	se	7	29.800	79	78	84	cp	st cu	sse	6	20	2	se
ONTARIO	193707041300	8.3	107		193707042400	-5.7367	171.3865	ese	24	29.840	83	79	86	bcl	cu	ese	3	40	2	ese
SWAN	193707041300	7.6	218		193707040200	7.9997	189.8068	se	16	29.770	79	79	85	e	a st	se	10	10	2	se
COLORAD	193707041330	15.3	222		193707040300	18.8111	199.5729	sse	7	29.860	76	73	79	bc	cu	sse	4	12	1	s
ITASCA	193707041330	17.6	260		193707040200	1.6662	181.0947	ese	7	29.800	80	78	84	bc	st cu	ssw	4	20	2	se
ONTARIO	193707041400	8.3	107		193707050100	-5.7775	171.5190	ese	24	29.810	83	79	86	bc	cu	ese	3	45	4	ese
SWAN	193707041400	7.6	218		193707040300	7.8997	189.7279	se	16	29.760	79	79	85	l	a st	se	8	10	2	se
COLORAD	193707041430	15.3	222		193707040400	18.6222	199.3912	sse	8	29.850	76	73	80	bc	cu	sse	5	12	1	s
ITASCA	193707041430	17.6	260		193707040300	1.6177	180.8050	ese	7	29.800	81	79	84	bc	st cu	ws	5	20	2	se
ONTARIO	193707041500	8.3	107		193707050200	-5.8183	171.6515	ese	20	29.810	83	79	86	bc	cu	ese	4	45	4	ese
SWAN	193707041500	7.6	218		193707040400	7.7998	189.6489	se	16	29.760	79	79	85	c	a st	se	9	10	2	se
COLORAD	193707041530	15.3	222		193707040500	18.4333	199.2098	sse	10	29.840	76	73	80	bc	cu	sse	3	20	1	s
ITASCA	193707041530	17.6	260		193707040400	1.5691	180.5152	se	7	29.800	81	78	84	c	st cu	ws	6	20	1	se
ONTARIO	193707041600	8.3	107		193707050300	-5.8592	171.7840	ese	20	29.790	83	78	86	bc	cu	ese	3	45	4	ese
SWAN	193707041600	7.6	218		193707040500	7.6998	189.5700	sw	16	29.800	80	80	85	c	a st	sw	9	10	2	se
COLORAD	193707041630	15.3	222		193707040600	18.2444	199.0286	sse	8	29.840	70	74	80	bc	cu	sse	4	20	1	se
ITASCA	193707041630	17.6	260		193707040500	1.5205	180.2255	s	7	29.800	81	78	84	c	st cu	sw	7	20	1	se
ONTARIO	193707041700	8.3	107		193707050400	-5.9000	171.9165	ese	20	29.790	83	79	86	bc	cu	ese	5	45	4	ese
SWAN	193707041700	7.6	218		193707040600	7.5999	189.4911	sw	14	29.800	80	80	85	bc	st cu	sw	7	25	2	se
COLORAD	193707041730	15.3	222		193707040700	18.0556	198.8475	sse	8	29.860	77	73	80	bc	cu	sse	4	25	2	se
ITASCA	193707041730	17.6	260		193707040600	1.4719	179.9358	se	7	29.820	80	77	84	c	st cu	s	7	25	2	se
ITASCA	193707041742	17.0	179	c/c	193707040612	1.4622	179.8778		0	0.000	0	0	0				0	0	0	

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
ONTARIO	193707041800	8.3	107		193707050500	-5.9408	172.0490	se	16	29.790	83	79	86	bc	cu	se	4	45	4	ese
SWAN	193707041800	7.6	218		193707040700	7.4999	189.4122	sw	12	29.810	80	80	85	c	st cu	sw	7	35	2	se
COLORAD	193707041830	15.8	222	fixx	193707040800	17.8667	198.6667	sse	8	29.880	79	74	79	bc	cu	sse	4	40	2	se
ITASCA	193707041830	16.9	163	c/c	193707040700	1.2357	179.8820	se	11	29.830	81	78	84	bc	st cu	s	6	25	2	se
ONTARIO	193707041900	8.3	107		193707050600	-5.9817	172.1816	se	16	29.800	83	79	86	bc	cu	se	4	45	4	ese
SWAN	193707041900	7.0	225	fixx	193707040800	7.4000	189.3333	sw	12	29.830	80	80	85	c	st cu	sw	9	40	2	se
COLORAD	193707041930	15.8	222		193707040900	17.6708	198.4830	sse	8	29.870	80	75	80	bc	cu	sse	3	40	2	se
ITASCA	193707041930	15.9	164	fixx	193707040800	0.9667	179.9667	sexe	11	29.830	83	79	84	bc	cu	se	4	25	2	sexe
ONTARIO	193707042000	8.3	107		193707050700	-6.0225	172.3141	se	20	29.820	83	79	86	bc	cu	se	5	51	4	ese
SWAN	193707042000	7.0	225		193707040900	7.3167	189.2500	sw	12	29.840	81	81	85	bc	ci st	sw	4	45	2	se
COLORAD	193707042030	15.8	222		193707041000	17.4750	198.2996	e	14	29.880	81	76	80	bc	cu	sse	4	40	2	e
ITASCA	193707042030	15.9	164		193707040900	0.7114	180.0388	e	11	29.850	85	81	84	bc	cu	se	3	25	2	ese
ONTARIO	193707042100	10.2	109	fixx	193707050800	-6.0633	172.4467	ese	24	29.830	83	79	86	bc	cu	ese	4	51	4	ese
SWAN	193707042100	7.0	225		193707041000	7.2333	189.1666	sw	12	29.840	81	81	85	bc	ci st	sw	6	45	2	se
ITASCA	193707042120	16.4	86	c/c	193707040950	0.4987	180.0989		0	0.000	0	0	0				0	0	0	
COLORAD	193707042130	15.8	222		193707041100	17.2792	198.1164	e	14	29.880	82	76	80	bc	cu	sse	5	40	2	e
ITASCA	193707042130	16.4	86		193707041000	0.5021	180.1443	e	16	29.860	85	81	84	bc	ci	se	3	25	3	ese
ITASCA	193707042145	18.6	360	c/c	193707041015	0.5072	180.2124		0	0.000	0	0	0				0	0	0	
ONTARIO	193707042200	10.2	109		193707051000	-6.1189	172.6089	ese	24	29.830	84	79	86	bc	cu	ese	4	51	4	ese
SWAN	193707042200	7.0	225		193707041100	7.1500	189.0833	sw	12	29.820	81	81	85	bc	ci st	sw	5	45	2	se
COLORAD	193707042230	16.4	224	fixx	193707041200	17.0833	197.9333	e	14	29.880	82	76	80	bc	cu	sse	5	40	2	e
ITASCA	193707042230	18.6	360		193707041100	0.7399	180.2107	e	16	29.860	84	80	84	bc	acu	e	5	20	3	ese
ONTARIO	193707042300	10.2	109		193707051100	-6.1744	172.7711	ese	24	29.830	84	79	86	bc	cu	ese	5	50	4	ese
SWAN	193707042300	6.3	212	fixx	193707041200	7.0667	189.0000	sw	12	29.820	81	81	85	bc	ci st	sw	5	45	2	se
COLORAD	193707042330	16.4	224		193707041300	16.8873	197.7345	nne	16	29.850	81	76	82	bc	cu	sse	4	40	2	e
ITASCA	193707042330	17.7	1	fixx	193707041200	1.0500	180.2083	e	16	29.840	85	80	84	bc	cu	ene	4	20	2	se
COLORAD	193707042400	16.4	224		1193707041300	16.7892	197.6352		0	0.000	0	0	0				0	0	0	
ONTARIO	193707042400	8.1	116	fixx	193707051200	-6.2300	172.9333	ese	20	29.810	84	80	86	bc	cu	ese	6	50	4	ese
SWAN	193707042400	6.3	212		193707041300	6.9771	188.9437	sw	4	29.800	82	82	86	bc	ci st	sw	5	45	2	se
ITASCA	193707050030	17.7	1		193707041300	1.3449	180.2128	ene	16	29.830	86	81	84	bc	acu	ene	4	25	2	se
ITASCA	193707050050	16.8	90	c/c	193707041320	1.4432	180.2143		0	0.000	0	0	0				0	0	0	
COLORAD	193707050100	16.4	224		193707041400	16.5931	197.4367	nne	13	29.840	81	76	80	bc	cu	s	4	45	2	e
ONTARIO	193707050100	8.1	116		193707051300	-6.2890	173.0563	ese	20	29.790	84	80	86	bc	cu	ese	6	50	4	ese
SWAN	193707050100	6.3	212		193707041400	6.8875	188.8875	sw	4	29.800	83	83	86	bc	ci st	sw	5	45	2	se
ITASCA	193707050130	16.8	90		193707041400	1.4434	180.4006	ene	16	29.790	85	81	84	bc	acu	ene	6	25	2	se
ITASCA	193707050135	17.1	182	c/c	193707041405	1.4434	180.4238		0	0.000	0	0	0				0	0	0	
COLORAD	193707050200	16.4	224		193707041500	16.3971	197.2384	nne	18	29.820	81	77	80	bc	ci cu	se	4	45	2	e
ONTARIO	193707050200	8.1	116		193707051400	-6.3481	173.1792	ese	20	29.770	84	80	86	bcp	cu	ese	5	50	4	ese
SWAN	193707050200	6.3	212		193707041500	6.7979	188.8312	sw	4	29.800	83	83	86	bc	ci st	sw	5	45	2	se
ITASCA	193707050230	17.1	182		193707041500	1.1824	180.4140	ene	16	29.780	85	80	84	bc	a st	ene	8	25	2	se
COLORAD	193707050300	16.4	224		193707041600	16.2010	197.0403	ene	18	29.810	81	78	80	bc	ci cu	se	5	40	2	e
ONTARIO	193707050300	8.1	116		193707051500	-6.4071	173.3022	ese	20	29.760	85	80	86	bc	cu	ese	5	50	4	ese
SWAN	193707050300	6.3	212		193707041600	6.7083	188.7749	sw	4	29.780	83	83	86	bc	a cu	sw	5	45	2	se
ITASCA	193707050330	17.1	182		193707041600	0.8978	180.4033	ene	16	29.770	84	80	84	bc	ci cu	ene	4	25	2	se
COLORAD	193707050400	16.4	224		193707041700	16.0049	196.8424	ene	18	29.810	80	80	80	bc	a st	se	7	45	3	e
ONTARIO	193707050400	8.1	116		193707051600	-6.4661	173.4252	ese	20	29.760	85	81	86	bc	cu	ese	5	50	4	ese
SWAN	193707050400	6.3	212		193707041700	6.6187	188.7187	sw	4	29.800	84	84	86	bc	a cu	sw	5	40	2	se
ITASCA	193707050427	17.1	180	c/c	193707041657	0.6273	180.3932		0	0.000	0	0	0				0	0	0	
ITASCA	193707050430	17.1	180		193707041700	0.6131	180.3932	e	16	29.780	83	80	84	c	ci cu	ese	6	25	2	ese
ITASCA	193707050459	16.8	89	c/c	193707041729	0.4756	180.3929		0	0.000	0	0	0				0	0	0	
COLORAD	193707050500	16.4	224		193707041800	15.8088	196.6448	ene	16	29.810	80	80	80	c	a st	se	8	40	3	e
ONTARIO	193707050500	8.1	116		193707051700	-6.5251	173.5482	ese	20	29.770	84	81	86	cq	cu nb	exs	7	50	4	ese
SWAN	193707050500	6.3	212		193707041800	6.5292	188.6625	sw	4	29.800	84	84	86	bc	a cu	sw	6	35	2	se
ITASCA	193707050530	16.8	89		193707041800	0.4783	180.5372	e	16	29.820	84	80	84	c	ci st	ese	6	25	2	e
ITASCA	193707050558	17.7	360	c/c	193707041828	0.4808	180.6675		0	0.000	0	0	0				0	0	0	
COLORAD	193707050600	16.4	224		193707041900	15.6127	196.4473	ene	17	29.820	80	80	80	bc	a st	se	4	30	2	e
ONTARIO	193707050600	8.1	116		193707051800	-6.5842	173.6712	ese	20	29.780	85	81	86	c	cu nb	exs	8	45	4	ese
SWAN	193707050600	6.3	212		193707041900	6.4396	188.6062	s	14	29.800	80	80	86	bc	cu nb	s	9	15	4	s
ITASCA	193707050630	17.7	360		193707041900	0.6382	180.6672	e	16	29.830	83	80	84	bc	ci st	ese	4	25	2	e
COLORAD	193707050700	17.7	224	fixx	193707042000	15.4167	196.2500	e	17	29.820	80	80	80	bc	cu	se	4	20	2	e
ONTARIO	193707050700	8.1	116		193707051900	-6.6432	173.7942	ese	20	29.800	84	81	86	cq	cu nb	exs	7	45	4	ese
SWAN	193707050700	6.9	215	fixx	193707042000	6.3500	188.5500	s	12	29.800	80	80	86	bc	cu nb	s	8	9	4	s
ITASCA	193707050730	17.8	3	fixx	193707042000	0.9333	180.6667	e	16	29.850	83	80	84	bc	ci st	ese	3	25	2	e

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
COLORAD	193707050800	17.7	224		193707042100	15.2049	196.0377 e	17	29.820	80	80	80	80	bc	ci cu se		4	20	2	e
ONTARIO	193707050800	9.1	119	fixx	193707052000	-6.7022	173.9172 ese	20	29.800	84	80	86	86	bc	cu exs		4	45	4	ese
SWAN	193707050800	6.9	215		193707042100	6.2550	188.4838 s	12	29.840	80	81	86	86	o	a cu s	10	10	4	s	
ITASCA	193707050830	17.8	3		193707042100	1.2296	180.6838 e	11	29.850	83	80	84	84	bc	ci cu ese		3	20	2	e
COLORAD	193707050900	17.7	224		193707042200	14.9931	195.8256 e	17	29.820	80	80	80	80	bc	ci cu se		3	20	2	e
ONTARIO	193707050900	9.1	119		193707052100	-6.7756	174.0504 ese	20	29.820	83	80	86	86	bcp	cu exs		2	45	4	ese
SWAN	193707050900	6.9	215		193707042200	6.1601	188.4176 s	10	29.850	80	80	86	86	bc	ci cu s		4	10	2	s
ITASCA	193707050930	17.8	3		193707042200	1.5259	180.7009 e	11	29.850	82	79	84	84	bc	ci e		1	20	2	e
ITASCA	193707050936	17.8	89	c/c	193707042206	1.5555	180.7026 e	0	0.000	0	0	0	0				0	0	0	
COLORAD	193707051000	17.7	224		193707042300	14.7813	195.6138 e	17	29.840	80	77	80	80	bc	cu ni se		4	20	2	e
ONTARIO	193707051000	9.1	119		193707052200	-6.8491	174.1836 e	20	29.840	83	80	86	86	bcp	cu nb e		4	45	4	exs
SWAN	193707051000	6.9	215		193707042300	6.0651	188.3514 s	10	29.850	80	80	86	86	bc	ci cu s		5	10	2	s
ITASCA	193707051021	17.0	177	c/c	193707042251	1.5603	180.9255 e	0	0.000	0	0	0	0				0	0	0	
ITASCA	193707051030	17.0	177		193707042300	1.5178	180.9280 e	11	29.840	82	79	84	84	bc	ci e		2	20	2	ese
ITASCA	193707051046	14.1	176	c/s	193707042316	1.4423	180.9326 e	0	0.000	0	0	0	0				0	0	0	
COLORAD	193707051100	17.7	224		193707042400	14.5694	195.4022 e	17	29.840	80	76	80	80	bc	cu se		2	20	2	e
ONTARIO	193707051100	9.1	119		193707052300	-6.9225	174.3169 e	20	29.850	82	79	86	86	bc	cu e		3	45	4	exs
SWAN	193707051100	6.9	215		193707042400	5.9701	188.2852 s	10	29.840	80	79	86	86	bc	ci cu s		3	10	2	s
ITASCA	193707051130	14.1	176		193707042400	1.2699	180.9439 e	7	29.870	82	79	0	0	bc	ci e		2	20	2	ese
ITASCA	193707051135	14.4	147	c/c	193707050005	1.2503	180.9452 e	0	0.000	0	0	0	0				0	0	0	
COLORAD	193707051200	17.7	224	c/s	193707050100	14.3576	195.1908 e	17	29.820	80	76	80	80	bc	cu se		2	20	2	e
ITASCA	193707051200	17.0	158	radm	193707050130	1.1667	181.0000 e	0	0.000	0	0	0	0				0	0	0	
ONTARIO	193707051200	9.1	119		193707052400	-6.9959	174.4501 e	20	29.840	83	80	86	86	bc	cu e		3	45	4	exs
SWAN	193707051200	6.9	215		193707050100	5.8752	188.2191 sw	10	29.820	80	80	86	86	bc	cu sw		4	10	1	se
ITASCA	193707051230	17.0	158		193707050100	1.0357	181.0540 e	11	29.840	82	79	83	83	b			0	20	2	ese
ITASCA	193707051250	11.2	33	c/c	193707050120	0.9484	181.0900 e	0	0.000	0	0	0	0				0	0	0	
COLORAD	193707051300	17.7	224		193707050200	14.1458	194.9796 e	17	29.800	79	75	80	80	bc	cu se		2	20	2	e
ONTARIO	193707051300	9.1	119		193707060100	-7.0694	174.5834 e	20	29.830	83	81	86	86	bc	cu e		2	30	4	e
SWAN	193707051300	6.9	215		193707050200	5.7802	188.1529 sw	10	29.810	80	80	86	86	bc	cu sw		4	10	1	se
ITASCA	193707051330	11.2	33		193707050200	1.0528	181.1571 e	11	29.830	82	79	83	83	bc	cu e		2	20	2	ese
ITASCA	193707051348	13.2	32	c/c	193707050218	1.0997	181.1873 e	0	0.000	0	0	0	0				0	0	0	
COLORAD	193707051400	17.7	224		193707050300	13.9340	194.7686 e	17	29.780	79	75	80	80	bc	cu se		2	20	2	e
ONTARIO	193707051400	9.1	119		193707060200	-7.1428	174.7167 e	20	29.810	84	79	86	86	bc	cu e		3	30	4	e
SWAN	193707051400	6.9	215		193707050300	5.6852	188.0868 sw	10	29.790	79	80	86	86	bc	cu sw		4	10	1	se
ITASCA	193707051430	13.2	32		193707050300	1.2297	181.2690 e	11	29.820	82	79	83	83	bc	cu e		2	20	2	ese
COLORAD	193707051500	17.7	224		193707050400	13.7222	194.5578 e	17	29.780	79	75	80	80	bc	cu se		2	24	2	e
ONTARIO	193707051500	9.1	119		193707060300	-7.2162	174.8500 e	20	29.810	84	79	86	86	bc	cu e		3	30	4	e
SWAN	193707051500	6.9	215		193707050400	5.5903	188.0206 sw	12	29.800	80	80	86	86	bc	a cu sw		5	10	1	se
ITASCA	193707051530	13.2	32		193707050400	1.4155	181.3859 e	11	29.810	82	79	83	83	bc	cu e		3	20	2	ese
COLORAD	193707051600	17.7	224		193707050500	13.5104	194.3472 e	17	29.780	79	75	81	81	bc	cu se		3	25	2	e
ONTARIO	193707051600	9.1	119		193707060400	-7.2896	174.9833 e	20	29.800	83	80	86	86	bc	cu e		4	30	4	e
SWAN	193707051600	6.9	215		193707050500	5.4953	187.9545 sw	12	29.800	80	80	86	86	bc	ci st sw		5	15	1	se
SWAN	193707051605	6.8	274	c/c	193707050505	5.4874	187.9490 e	0	0.000	0	0	0	0				0	0	0	
ITASCA	193707051620	13.1	13	c/c	193707050450	1.5702	181.4832 e	0	0.000	0	0	0	0				0	0	0	
ITASCA	193707051630	13.1	13		193707050500	1.6056	181.4916 e	7	29.810	82	79	83	83	bc	cu e		4	25	2	e
COLORAD	193707051700	17.7	224		193707050600	13.2986	194.1368 e	16	29.790	79	75	81	81	bc	cu se		4	40	2	e
ONTARIO	193707051700	9.1	119		193707060500	-7.3631	175.1166 e	20	29.800	84	80	86	86	bc	cu e		5	34	4	e
SWAN	193707051700	6.8	274		193707050600	5.4940	187.8445 sw	12	29.810	81	81	86	86	bc	ci st sw		4	40	1	se
ITASCA	193707051730	13.1	13		193707050600	1.8176	181.5416 e	7	29.810	82	79	84	84	bc	cu e		2	25	2	e
COLORAD	193707051800	17.7	224		193707050700	13.0868	193.9267 ene	16	29.790	80	76	81	81	bc	ci cu e		4	40	2	e
ONTARIO	193707051800	9.1	119		193707060600	-7.4365	175.2499 ene	16	29.810	84	80	86	86	bc	cu ene		4	40	4	e
SWAN	193707051800	6.8	274		193707050700	5.5012	187.7306 sw	10	29.820	81	81	86	86	bc	ci st sw		4	45	1	se
ITASCA	193707051830	13.1	13		193707050700	2.0296	181.5916 ene	7	29.830	82	79	84	84	bc	cu e		2	25	2	ene
COLORAD	193707051900	17.2	221	fobs	193707050800	12.8750	193.7167 ene	16	29.820	81	77	81	81	bc	ci cu e		6	40	3	e
ONTARIO	193707051900	9.1	119		193707060700	-7.5099	175.3833 ene	16	29.820	84	80	86	86	bc	cu ene		5	40	4	e
SWAN	193707051900	6.7	265	fixx	193707050800	5.5083	187.6167 sw	10	29.820	82	82	86	86	bc	ci st sw		4	45	1	se
ITASCA	193707051930	16.7	11	fixx	193707050800	2.2417	181.6417 ene	11	29.850	83	79	84	84	bc	cu e		3	25	2	ene
ITASCA	193707051936	16.7	11	c/c	193707050806	2.2688	181.6473 e	0	0.000	0	0	0	0				0	0	0	
COLORAD	193707052000	17.2	221		193707050900	12.6583	193.5248 nne	18	29.820	82	77	81	81	c	ci st e		8	40	3	e
ONTARIO	193707052000	9.1	120	fixx	193707060800	-7.5833	175.5167 ene	20	29.840											

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
ONTARIO	193707052100	9.1	120		193707060900	-7.6583	175.6500	e	20	29.850	84	80	86	bc	cu	e	4	45	5	e
SWAN	193707052100	6.7	265		193707051000	5.4875	187.3917	sw	4	29.850	82	82	86	bc	ci st	sw	4	45	1	se
ITASCA	193707052130	16.7	11		193707051000	2.7874	181.7460	nne	11	29.870	83	79	84	bc	acu	e	3	25	2	ene
COLORAD	193707052200	17.2	221		193707051100	12.2250	193.1414	n	24	29.820	82	78	81	o	st cu	ne	10	30	3	e
ONTARIO	193707052200	9.1	120		193707061000	-7.7333	175.7833	ene	20	29.850	85	80	86	bc	cu	ene	6	40	5	e
SWAN	193707052200	6.7	265		193707051100	5.4771	187.2792	sw	4	29.840	82	82	86	bc	ci st	sw	4	45	1	se
ITASCA	193707052230	16.7	11		193707051100	3.0604	181.7980	ne	11	29.860	83	79	85	bc	acu	ne	4	25	2	ene
COLORAD	193707052300	17.8	223	fobs	193707051200	12.0083	192.9500	n	22	29.810	81	77	82	o	st cu	ne	10	30	3	e
ONTARIO	193707052300	9.1	120		193707061100	-7.8083	175.9166	ene	24	29.850	85	80	86	bc	cu	ene	4	45	5	e
SWAN	193707052300	7.4	263	fixx	193707051200	5.4667	187.1667	sw	4	29.840	82	83	86	bc	ci st	sw	4	45	1	se
ITASCA	193707052330	17.2	14	fixx	193707051200	3.3333	181.8500	ne	11	29.850	83	79	0	bc	acu	ne	3	25	2	ene
COLORAD	193707052400	17.8	223		193707051300	11.7929	192.7423	se	21	29.780	81	79	82	o	st cu	se	10	35	4	e
ONTARIO	193707052400	9.2	112	fixx	193707061200	-7.8833	176.0500	ene	24	29.850	85	80	86	bc	cu	ene	5	45	5	e
SWAN	193707052400	7.4	263		193707051300	5.4521	187.0438	nnw	4	29.800	82	83	86	bc	a cu	w	5	45	1	nw
ITASCA	193707060030	17.2	14		193707051300	3.6124	181.9174	ne	11	29.820	85	80	0	bc	acu	ne	3	25	2	ene
COLORAD	193707060100	17.8	223		193707051400	11.5774	192.5349	se	19	29.780	80	78	82	c	a cu	se	9	45	4	e
ONTARIO	193707060100	9.2	112		193707061300	-7.9407	176.1929	ene	24	29.840	85	79	86	c	ci st	ene	7	45	5	e
SWAN	193707060100	7.4	263		193707051400	5.4375	186.9208	w	4	29.780	83	84	86	bc	ci cu	w	5	45	1	nw
ITASCA	193707060130	17.2	14		193707051400	3.8915	181.9849	ne	11	29.820	86	81	0	bc	acu	ne	3	25	2	ene
COLORAD	193707060200	17.8	223		193707051500	11.3619	192.3276	se	19	29.780	81	78	83	bc	a cu	se	8	45	2	e
ONTARIO	193707060200	9.2	112		193707061400	-7.9981	176.3358	ene	30	29.830	83	79	86	cq	nb	ene	9	45	5	ene
SWAN	193707060200	7.4	263		193707051500	5.4229	186.7979	w	4	29.770	85	86	86	bc	ci cu	w	4	45	1	nw
ONTARIO	193707060215	3.2	118	c/s	193707061415	-8.0125	176.3716		0	0.000	0	0	0				0	0	0	
ITASCA	193707060230	17.2	14		193707051500	4.1706	182.0524	ne	11	29.800	88	82	0	bc	cu	ne	5	25	2	ene
ONTARIO	193707060232	9.2	112	c/s	193707061432	-8.0195	176.3850		0	0.000	0	0	0				0	0	0	
COLORAD	193707060300	17.8	223		193707051600	11.1464	192.1204	s	19	29.760	81	77	83	bc	ci cu	s	7	45	2	e
ONTARIO	193707060300	9.2	112		193707061500	-8.0463	176.4517	ene	30	29.820	81	80	86	oq	nb	ene	10	25	5	ene
SWAN	193707060300	7.4	263		193707051600	5.4083	186.6750	w	4	29.780	86	87	86	bc	ci cu	w	4	40	1	nw
ITASCA	193707060330	17.2	14		193707051600	4.4497	182.1199		1	29.800	82	79	0	cp	cu	ne	7	25	2	ene
COLORAD	193707060400	17.8	223		193707051700	10.9310	191.9135	ese	16	29.740	81	77	82	cp	st cu	ese	8	45	1	se
ITASCA	193707060400	17.2	12	c/c	193707051630	4.5893	182.1537		0	0.000	0	0	0				0	0	0	
ONTARIO	193707060400	9.2	112		193707061600	-8.1037	176.5947	ene	24	29.810	81	80	86	oq	nb	ene	10	35	5	ene
SWAN	193707060400	7.4	263		193707051700	5.3937	186.5521	w	5	29.770	88	89	86	bc	ci cu	w	4	40	1	w
ITASCA	193707060430	17.2	12		193707051700	4.7298	182.1827	n	11	29.810	84	81	0	c	cu	n	8	25	2	nne
COLORAD	193707060500	17.8	223		193707051800	10.7155	191.7067	ene	19	29.750	81	77	82	cp	st cu	ese	8	45	1	se
ONTARIO	193707060500	9.2	112		193707061700	-8.1611	176.7376	ene	24	29.800	83	77	86	c	ci st	ene	9	35	5	ene
SWAN	193707060500	7.4	263		193707051800	5.3792	186.4292	w	4	29.790	88	89	86	bc	ci cu	w	3	40	1	w
ITASCA	193707060530	17.2	12		193707051800	5.0109	182.2409	nne	7	29.840	84	81	0	c	cu	nne	8	25	2	nne
COLORAD	193707060600	18.0	221	radm	193707051900	10.5000	191.5000	ene	18	29.760	81	78	83	cp	st cu	e	9	45	1	se
ONTARIO	193707060600	9.2	112		193707061800	-8.2185	176.8806	exs	30	29.810	83	77	86	o	st cu	exs	10	35	5	ene
SWAN	193707060600	7.4	263		193707051900	5.3646	186.3063	nw	4	29.810	84	85	86	bc	ci cu	nw	5	20	1	nw
ITASCA	193707060630	17.2	12		193707051900	5.2920	182.2991	nne	11	29.850	82	80	0	cq	cu	nne	7	25	2	nne
ITASCA	193707060633	16.8	88	c/c	193707051903	5.3061	182.3020		0	0.000	0	0	0				0	0	0	
ITASCA	193707060655	14.8	87	c/s	193707051925	5.3102	182.4052		0	0.000	0	0	0				0	0	0	
COLORAD	193707060700	18.0	221		193707052000	10.2731	191.3005	e	18	29.800	81	78	83	bc	st cu	e	3	40	1	se
ONTARIO	193707060700	9.2	112		193707061900	-8.2759	177.0236	exs	30	29.820	82	79	86	c	st cu	exs	9	35	5	ene
SWAN	193707060700	8.3	283	fixx	193707052000	5.3500	186.1833	nw	4	29.830	83	83	86	c	ci cu	nw	8	10	1	nw
ITASCA	193707060730	13.5	90	fixx	193707052000	5.3167	182.5500	ne	7	29.860	82	79	0	bcp	st cu	ne	4	20	2	ne
COLORAD	193707060800	18.0	221		193707052100	10.0462	191.1011	e	19	29.800	80	78	83	bc	st cu	e	4	40	1	se
ITASCA	193707060800	13.5	90	c/c	193707052030	5.3138	182.6629		0	0.000	0	0	0				0	0	0	
ONTARIO	193707060800	8.8	109	fixx	193707062000	-8.3333	177.1667	exs	30	29.850	83	79	86	c	st cu	exs	8	35	5	ene
SWAN	193707060800	8.3	283		193707052100	5.3815	186.0475	nw	4	29.860	82	82	86	bc	a cu	nw	7	10	1	nw
ITASCA	193707060830	10.9	75	c/s	193707052100	5.3131	182.7758	ne	7	29.870	84	80	0	bc	cu	ne	3	20	2	ne
SWAN	193707060832	6.2	194	c/c	193707052132	5.3984	185.9750		0	0.000	0	0	0				0	0	0	
COLORAD	193707060900	18.0	221		193707052200	9.8192	190.9019	e	19	29.800	80	78	83	bc	st cu	e	4	40	1	se
ONTARIO	193707060900	8.8	109		193707062100	-8.3822	177.3069	exs	30	29.860	83	79	86	bc	cu	exs	4	35	5	ene
SWAN	193707060900	6.2	194		193707052200	5.3518	185.9632	nw	5	29.860	82	82	86	bc	cu	nw	7	10	1	nw
SWAN	193707060924	8.4	284	c/c	193707052224	5.3119	185.9532		0	0.000	0	0	0				0	0	0	
ITASCA	193707060930	10.9	75		193707052200	5.3592	182.9529	ene	11	29.890	84	80	0	b			0	20	2	ne
ITASCA	193707060945	11.0	91	c/c	193707052215	5.3708	182.9972		0	0.000	0	0	0				0	0	0	
COLORAD	193707061000	18.0	221		193707052300	9.5923	190.7028	e	19	29.800	80	78	83	bc	st cu	e	4	40	1	se
ONTARIO	193707061000	8.8	109		193707062200	-8.4311	177.4471	exs	30	29.870	83	79	86	bc	cu	exs	5	35	5	ene
SWAN	193707061000	8.4	284		193707052300	5.3322	185.8717	nw	4	29.880	82	82	86	bc	cu	nw	7	10	1	nw

Ship	Timez	Speed	Heading	Comment	Timel	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
ITASCA	193707061005	11.2	113	c/c	193707052235	5.3700	183.0585		0	0.000	0	0	0				0	0	0	
ITASCA	193707061030	11.2	113		193707052300	5.3392	183.1301	ene	11	29.890	84	79	0	b			0	20	2	ne
COLORAD	193707061100	18.0	221		193707052400	9.3654	190.5039	e	19	29.800	80	78	82	bc	st cu e		4	40	1	se
ITASCA	193707061100	11.0	91	c/c	193707052330	5.3022	183.2161		0	0.000	0	0	0				0	0	0	
ONTARIO	193707061100	8.8	109		193707062300	-8.4800	177.5873	e	24	29.870	83	79	86	bc	cu e		4	40	5	ene
SWAN	193707061100	8.4	284		193707052400	5.3661	185.7358	ne	5	29.880	83	83	86	bc	cu ne		5	10	1	ne
ITASCA	193707061130	11.0	91		193707052400	5.3011	183.3080	ene	11	29.890	83	79	0	bc	cu ne		3	20	2	ne
COLORAD	193707061200	18.0	221		193707060100	9.1385	190.3051	e	19	29.800	80	77	83	bc	st cu e		2	20	2	se
ITASCA	193707061200	14.1	93	radm	193707060030	5.3000	183.4000		0	0.000	0	0	0				0	0	0	
ONTARIO	193707061200	8.8	109		193707062400	-8.5289	177.7276	e	30	29.870	83	78	86	bc	cu e		3	40	5	ene
SWAN	193707061200	5.6	246	radm	193707060100	5.4000	185.6000	ne	6	29.860	83	83	86	o	cu nb ne		9	1	1	ne
ITASCA	193707061230	14.1	93		193707060100	5.2937	183.5178	ene	11	29.890	83	79	85	bc	cu ne		4	20	2	ne
COLORAD	193707061300	18.0	221		193707060200	8.9115	190.1064	ene	8	29.800	80	77	83	bc	st cu e		2	20	2	se
ONTARIO	193707061300	8.8	109		193707070100	-8.5778	177.8679	ene	24	29.860	83	79	86	bc	cu ene		3	30	5	e
SWAN	193707061300	5.6	246		193707060200	5.3615	185.5143	ne	6	29.840	83	83	86	d	nb ne		9	1	1	ne
ITASCA	193707061330	14.1	93		193707060200	5.2812	183.7533	ene	11	29.880	83	79	85	bc	cu ne		6	20	2	ne
COLORAD	193707061400	18.0	221		193707060300	8.6846	189.9078	ene	9	29.780	80	77	82	bc	st cu e		3	20	2	e
ONTARIO	193707061400	8.8	109		193707070200	-8.6267	178.0081	ene	24	29.840	83	79	86	bc	cu ene		5	25	5	e
SWAN	193707061400	5.6	246		193707060300	5.3229	185.4286	ne	5	29.820	83	83	86	bc	ci st ne		5	1	1	ne
ITASCA	193707061430	14.1	93		193707060300	5.2687	183.9889	ene	11	29.860	83	79	85	bc	cu ne		4	20	2	ne
ITASCA	193707061450	13.9	84	c/c	193707060320	5.2646	184.0674		0	0.000	0	0	0				0	0	0	
COLORAD	193707061500	18.0	221		193707060400	8.4577	189.7093	ene	9	29.770	80	77	82	bc	st cu e		3	20	2	e
ONTARIO	193707061500	8.8	109		193707070300	-8.6756	178.1484	ene	20	29.840	83	79	86	cq	nb ene		7	25	5	e
SWAN	193707061500	5.6	246		193707060400	5.2844	185.3428	ne	6	29.810	83	83	86	bc	ci st ne		4	1	1	ne
ITASCA	193707061530	13.9	84		193707060400	5.2816	184.2215	ene	11	29.840	82	79	85	bc	cu ne		4	20	2	ne
ITASCA	193707061554	13.2	169	c/c	193707060424	5.2919	184.3140		0	0.000	0	0	0				0	0	0	
COLORAD	193707061600	18.0	221		193707060500	8.2308	189.5110	ene	11	29.760	80	77	83	bc	st cu e		3	20	2	e
ONTARIO	193707061600	8.8	109		193707070400	-8.7244	178.2887	ene	20	29.830	82	78	86	bc	cu ene		3	30	5	e
SWAN	193707061600	5.6	246		193707060500	5.2459	185.2571	ne	4	29.800	82	83	86	bc	ci st ne		4	1	1	ne
ITASCA	193707061630	13.2	169		193707060500	5.1623	184.3390	se	7	29.840	82	80	85	bc	cu se		3	25	1	e
ITASCA	193707061653	13.6	72	c/c	193707060523	5.0796	184.3550		0	0.000	0	0	0				0	0	0	
COLORAD	193707061700	18.0	221		193707060600	8.0038	189.3128	e	10	29.760	80	77	83	bc	a cu e		3	20	2	e
ONTARIO	193707061700	8.8	109		193707070500	-8.7733	178.4290	e	20	29.830	85	77	86	bc	cu e		4	35	5	e
SWAN	193707061700	5.6	246		193707060600	5.2074	185.1714	ne	4	29.820	82	82	86	bc	ci st ne		4	10	1	ne
ITASCA	193707061701	13.2	169	c/c	193707060531	5.0887	184.3839		0	0.000	0	0	0				0	0	0	
ITASCA	193707061725	10.0	264	c/c	193707060555	5.0024	184.4006		0	0.000	0	0	0				0	0	0	
ITASCA	193707061730	10.0	264		193707060600	5.0010	184.3867	se	7	29.860	82	80	85	bc	acu se		6	25	2	se
COLORAD	193707061800	18.0	221		193707060700	7.7769	189.1147	ne	12	29.770	80	77	84	bc	ci cu e		3	30	2	e
ONTARIO	193707061800	8.8	109		193707070600	-8.8222	178.5693	e	24	29.850	81	79	86	oq	nb e		10	10	5	e
SWAN	193707061800	5.6	246		193707060700	5.1688	185.0856	ne	4	29.840	82	82	86	bc	ci st ne		4	20	1	ne
ITASCA	193707061808	14.3	112	c/c	193707060638	4.9909	184.2815		0	0.000	0	0	0				0	0	0	
SWAN	193707061821	5.5	248	c/c	193707060721	5.1554	185.0556		0	0.000	0	0	0				0	0	0	
ITASCA	193707061830	14.3	112		193707060700	4.9576	184.3625	se	11	29.860	83	80	85	bc	cu se		3	25	2	se
COLORAD	193707061900	17.7	204	fixx	193707060800	7.5500	188.9167	ene	19	29.800	81	78	84	bc	ci cu e		5	35	2	e
ONTARIO	193707061900	8.8	109		193707070700	-8.8711	178.7097	e	20	29.870	79	76	86	cp	nb e		8	25	5	ese
SWAN	193707061900	8.9	259	fixx	193707060800	5.1333	185.0000	ne	4	29.840	85	83	86	bc	ci st ne		3	35	1	ne
ITASCA	193707061930	11.3	182	fixx	193707060800	4.8667	184.5833	se	11	29.880	84	80	85	bc	cu se		3	25	2	se
COLORAD	193707062000	17.7	204		193707060900	7.2813	188.7951	ene	20	29.800	82	80	84	bc	ci cu se		5	50	2	se
ONTARIO	193707062000	8.8	107	fixx	193707070800	-8.9200	178.8500	e	16	29.890	82	78	86	bc	st cu e		4	45	5	ese
SWAN	193707062000	8.9	259		193707060900	5.1042	184.8542	e	4	29.850	88	87	86	bc	ci cu e		3	45	1	ne
ITASCA	193707062030	11.3	182		193707060900	4.6785	184.5778	se	11	29.890	86	80	85	bc	acu ese		3	25	2	sexe
ITASCA	193707062034	11.1	146	c/c	193707060904	4.6660	184.5775		0	0.000	0	0	0				0	0	0	
COLORAD	193707062100	17.7	204		193707061000	7.0125	188.6736	ene	20	29.800	84	81	84	bc	cu se		6	50	2	se
ONTARIO	193707062100	8.8	107		193707070900	-8.9629	178.9916	e	20	29.910	82	78	86	bc	cu e		4	50	5	ese
SWAN	193707062100	8.9	259		193707061000	5.0750	184.7083	ne	4	29.860	89	88	86	bc	a cu e		3	45	1	ne
ITASCA	193707062130	11.1	146		193707061000	4.5222	184.6738	ese	11	29.900	86	82	85	bc	acu ese		3	25	2	sexe
ITASCA	193707062135	0.9	323	c/s	193707061005	4.5094	184.6824		0	0.000	0	0	0				0	0	0	
COLORAD	193707062200	17.7	204		193707061100	6.7437	188.5522	exn	21	29.810	85	81	84	bc	cu se		5	50	2	se
ITASCA	193707062200	11.1	146	c/s	193707061030	4.5143	184.6786		0	0.000	0	0	0				0	0	0	
ONTARIO	193707062200	8.8	107		193707071000	-9.0058	179.1333	e	20	29.910	82	79	86	bc	ci e		5	50	5	ese
SWAN	193707062200	8.9	259		193707061100	5.0458	184.5625	ne	2	29.860	90	90	86	bc	a cu ne		4	45	1	ne
ITASCA	193707062230	11.1	146		193707061100	4.4373	184.7302	ese	11	29.900	86	82	85	bc	st cu ese		6	25	2	sexe
COLORAD	193707062300	18.2	206	fobs	193707061200	6.4750	188.4308	exn	21	29.810	86	81	84	bc	cu se		5	50	2	se

Ship	Timez	Speed	Heading	Comment	Timel	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
ONTARIO	193707062300	8.8	107		193707071100	-9.0488	179.2750	e	20	29.910	83	79	86	bc	cu	e	5	51	5	exs
SWAN	193707062300	4.9	284	fixx	193707061200	5.0167	184.4167	ne	2	29.840	90	90	86	bc	a cu	ne	4	45	1	ne
ITASCA	193707062330	12.4	140	fixx	193707061200	4.2833	184.8333	ese	11	29.890	86	82	85	c	st cu	ese	7	25	2	sexe
COLORAD	193707062400	18.2	206		193707061300	6.2031	188.2955	exn	13	29.790	85	82	84	bc	cu	e	4	50	1	ese
ONTARIO	193707062400	9.0	115	fixx	193707071200	-9.0917	179.4167	e	20	29.890	84	79	86	bc	cu	e	4	51	5	e
SWAN	193707062400	4.9	284		193707061300	5.0371	184.3372	ne	2	29.830	88	87	86	bc	a cu	ne	5	45	1	ne
ITASCA	193707070030	12.4	140		193707061300	4.1260	184.9678	e	11	29.860	84	81	85	cq	st cu	ese	8	25	2	ese
ONTARIO	193707070030	9.0	115	c/c	193707071230	-9.1093	179.4907		0	0.000	0	0	0				0	0	0	
SWAN	193707070030	5.4	304	c/c	1193707061300	5.0474	184.2974		0	0.000	0	0	0				0	0	0	
COLORAD	193707070100	18.2	206		193707061400	5.9312	188.1602	exn	14	29.780	85	82	85	c	ci cu	e	8	50	1	ese
ONTARIO	193707070100	9.0	115		193707071300	-9.1406	179.5600	exn	20	29.880	84	80	86	c	cu	exn	7	47	4	e
ITASCA	193707070130	12.4	140		193707061400	3.9687	185.1023	ese	11	29.860	84	81	85	c	st cu	sexe	9	25	2	ese
SWAN	193707070130	5.4	304		193707061400	5.0976	184.2229	ne	4	29.810	86	88	86	c	a cu	ne	6	45	1	ne
COLORAD	193707070200	18.2	206		193707061500	5.6594	188.0250	exn	14	29.740	84	82	85	c	a cu	e	7	50	1	ese
ONTARIO	193707070200	9.0	115		193707071400	-9.2031	179.6988	exn	20	29.860	83	79	86	c	st	exn	8	45	4	e
ITASCA	193707070230	12.4	140		193707061500	3.8115	185.2367	ese	11	29.830	84	81	85	c	cu	ese	7	25	2	ese
SWAN	193707070230	5.4	304		193707061500	5.1479	184.1484	n	4	29.790	85	86	86	c	st cu	n	6	35	1	ne
COLORAD	193707070300	18.2	206		193707061600	5.3875	187.8899	e	10	29.740	84	83	84	c	acu	e	8	50	1	ese
ONTARIO	193707070300	9.0	115		193707071500	-9.2657	179.8376	exn	16	29.850	83	79	86	c	st	exn	9	51	4	e
ITASCA	193707070330	12.4	140		193707061600	3.6542	185.3711	ese	11	29.820	84	81	85	cp	st cu	ese	8	25	2	ese
SWAN	193707070330	5.4	304		193707061600	5.1981	184.0739	s	6	29.800	89	91	86	bc	st cu	s	6	45	1	ne
ONTARIO	193707070340	9.0	115		1193707061540	-9.3074	179.9301		0	0.000	0	0	0				0	0	0	
COLORAD	193707070400	18.2	206		193707061700	5.1156	187.7548	e	10	29.740	84	83	85	c	acu	e	8	50	1	ese
ONTARIO	193707070400	9.0	115		1193707061600	-9.3282	179.9764		0	0.000	0	0	0				0	0	0	
SWAN	193707070419	6.3	301	c/s	193707061649	5.2391	184.0130		0	0.000	0	0	0				0	0	0	
ITASCA	193707070430	12.4	140		193707061700	3.4969	185.5054	ese	11	29.830	84	81	85	bc	a st	ese	2	25	2	e
SWAN	193707070430	6.3	301		193707061700	5.2492	183.9964	s	6	29.800	87	87	86	bc	st cu	s	6	45	1	ne
COLORAD	193707070500	18.2	206		193707061800	4.8438	187.6198	sexs	11	29.740	84	83	85	bc	a cu	e	3	50	2	ese
ONTARIO	193707070500	9.0	115		1193707061700	-9.3908	180.1152		0	0.000	0	0	0				0	0	0	
SWAN	193707070524	9.4	149	c/c	193707061754	5.2985	183.9149		0	0.000	0	0	0				0	0	0	
ITASCA	193707070530	12.4	140		193707061800	3.3396	185.6397	ese	11	29.830	82	79	85	bc	acu	ese	2	25	2	e
SWAN	193707070530	9.4	149		193707061800	5.2851	183.9229	s	6	29.810	86	86	86	bc	st cu	s	6	45	1	ne
COLORAD	193707070600	18.2	206		193707061900	4.5719	187.4849	sexs	11	29.740	84	83	85	bc	a cu	e	3	50	2	ese
ONTARIO	193707070600	9.0	115		1193707061800	-9.4533	180.2541		0	0.000	0	0	0				0	0	0	
ITASCA	193707070630	12.4	140		193707061900	3.1823	185.7741	ese	11	29.850	82	79	84	bc	cu nb	ese	3	20	2	ese
SWAN	193707070630	9.4	149		193707061900	5.1509	184.0031	s	6	29.810	81	82	86	bc	cu nb	s	6	20	1	ne
ONTARIO	193707070635	9.0	114	c/c	1193707061835	-9.4898	180.3351		0	0.000	0	0	0				0	0	0	
COLORAD	193707070700	17.7	204	fixx	193707062000	4.3000	187.3500	sexs	11	29.760	83	82	85	bc	a cu	e	3	20	2	ese
ONTARIO	193707070700	9.0	114		1193707061900	-9.5149	180.3934		0	0.000	0	0	0				0	0	0	
ITASCA	193707070730	11.5	156	fixx	193707062000	3.0250	185.9083		1	29.860	81	79	0	bc	cu nb	ese	4	20	2	ese
SWAN	193707070730	8.4	169	fixx	193707062000	5.0167	184.0833	s	8	29.840	81	81	86	bc	cu	s	5	10	1	ne
COLORAD	193707070800	17.7	204		193707062100	4.0308	187.2302	sexs	11	29.780	82	82	85	bc	st cu	se	3	20	2	ese
ONTARIO	193707070800	9.2	112	fixx	1193707062000	-9.5750	180.5333		0	0.000	0	0	0				0	0	0	
ITASCA	193707070830	11.5	156		193707062100	2.8495	185.9848		1	29.880	81	79	0	bc	cu	ese	2	20	2	ese
SWAN	193707070830	8.4	169		193707062100	4.8796	184.1093	s	16	29.860	81	82	86	c	cu nb	s	8	10	1	ne
COLORAD	193707070900	17.7	204		193707062200	3.7616	187.1105	ene	17	29.800	82	79	85	bc	st cu	se	3	20	2	ese
ONTARIO	193707070900	9.2	112		1193707062100	-9.6324	180.6767		0	0.000	0	0	0				0	0	0	
ITASCA	193707070930	11.4	175	c/c	193707062200	2.6740	186.0614		1	29.890	82	79	0	b			0	20	2	ese
SWAN	193707070930	8.4	169		193707062200	4.7426	184.1352	s	16	29.850	80	80	86	bc	ci st	s	8	10	1	ne
COLORAD	193707071000	17.7	204		193707062300	3.4924	186.9908	ene	20	29.800	82	79	85	bc	st cu	e	3	20	2	e
ONTARIO	193707071000	9.2	112		1193707062200	-9.6897	180.8200		0	0.000	0	0	0				0	0	0	
ITASCA	193707071030	11.4	175		193707062300	2.4844	186.0768		1	29.890	82	79	0	b			0	20	2	ese
SWAN	193707071030	8.4	169		193707062300	4.6056	184.1611	s	16	29.860	80	81	86	bc	ci st	s	4	10	1	ne
COLORAD	193707071100	17.7	204		193707062400	3.2232	186.8712	ene	20	29.800	82	78	85	bc	st cu	e	6	15	2	e
ONTARIO	193707071100	9.2	112		1193707062300	-9.7471	180.9634		0	0.000	0	0	0				0	0	0	
ITASCA	193707071130	11.4	175		193707062400	2.2948	186.0923		1	29.890	82	79	0	b			0	20	2	ese
SWAN	193707071130	8.4	169		193707062400	4.4685	184.1870	s	10	29.860	81	81	86	bc	cu	s	2	10	1	ne
COLORAD	193707071200	17.7	204		193707070100	2.9540	186.7515	e	17	29.800	82	78	84	bc	st cu	e	5	20	2	e
ITASCA	193707071200	12.4	175	radm	193707070030	2.2000	186.1000		0	0.000	0	0	0				0	0	0	
ONTARIO	193707071200	9.2	112		1193707062400	-9.8044	181.1068		0	0.000	0	0	0				0	0	0	
SWAN	193707071200	7.6	163	radm	193707070030	4.4000	184.2000		0	0.000	0	0	0				0	0	0	
ITASCA	193707071230	12.4	175		193707070100	2.0967	186.1090	ese	7	29.870	82	79	84	bc	a cu	se	3	20	1	se
SWAN	193707071230	7.6	163		193707070100	4.3391	184.2181	s	10	29.850	81	81	86	bc	ci st	s	4	1	1	ne



Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
COLORAD	193707071300	17.7	204		193707070200	2.6848	186.6319	e	21	29.770	82	77	84	bc	st cu	e	3	20	2	e
ONTARIO	193707071300	9.2	112		1193707070100	-9.8618	181.2502		0	0.000	0	0	0				0	0	0	
ITASCA	193707071330	12.4	175		193707070200	1.8902	186.1270	ese	11	29.860	82	78	84	bc	a cu	ese	3	20	1	ese
SWAN	193707071330	7.6	163		193707070200	4.2174	184.2544	s	10	29.820	81	82	86	bc	st cu	s	4	1	1	ne
COLORAD	193707071400	17.7	204		193707070300	2.4156	186.5124	e	27	29.760	82	79	84	bcq	st cu	e	3	15	2	e
ONTARIO	193707071400	9.2	112		1193707070200	-9.9192	181.3937		0	0.000	0	0	0				0	0	0	
ITASCA	193707071430	12.4	175		193707070300	1.6837	186.1450	ese	11	29.850	80	79	84	cp	st cu	se	7	20	1	se
SWAN	193707071430	7.6	163		193707070300	4.0957	184.2907	s	10	29.820	81	81	86	bc	st cu	s	5	1	1	ne
COLORAD	193707071500	17.7	204		193707070400	2.1464	186.3928	e	22	29.750	81	79	84	bc	st cu	e	3	15	2	e
ONTARIO	193707071500	9.2	112		1193707070300	-9.9765	181.5372		0	0.000	0	0	0				0	0	0	
ITASCA	193707071520	0.5	150	c/s	193707070350	1.5117	186.1600		0	0.000	0	0	0				0	0	0	
ITASCA	193707071530	0.5	150		193707070400	1.5105	186.1606	ese	7	29.850	80	79	84	bc	st cu	se	4	20	1	se
SWAN	193707071530	7.6	163		193707070400	3.9739	184.3269	s	10	29.800	81	81	86	bc	st cu	s	5	1	1	ne
COLORAD	193707071600	17.7	204		193707070500	1.8772	186.2733	se	13	29.760	78	77	84	c	nb	se	3	15	1	e
ONTARIO	193707071600	9.2	112		1193707070400	-10.0339	181.6807		0	0.000	0	0	0				0	0	0	
COLORAD	193707071608	11.7	203	c/s	193707070508	1.8413	186.2574		0	0.000	0	0	0				0	0	0	
ITASCA	193707071630	0.5	150		193707070500	1.5035	186.1647	ese	7	29.860	80	78	84	bc	a cu	se	4	20	1	se
SWAN	193707071630	7.6	163		193707070500	3.8522	184.3632	s	10	29.800	80	80	86	bc	st cu	s	5	1	1	ne
COLORAD	193707071700	11.7	203		193707070600	1.6866	186.1904	se	13	29.750	78	77	84	bc	st cu	se	6	30	1	se
ITASCA	193707071700	1.7	332	radm	193707070600	1.5000	186.1667	se	7	29.880	80	78	84	c	a cu	se	4	25	1	se
ONTARIO	193707071700	9.2	112		1193707070500	-10.0913	181.8242		0	0.000	0	0	0				0	0	0	
COLORAD	193707071711	6.7	202	c/s	193707070611	1.6539	186.1763		0	0.000	0	0	0				0	0	0	
ITASCA	193707071730	1.7	332		193707070600	1.5122	186.1601	se	7	29.880	80	78	84	c	a cu	se	4	25	1	se
SWAN	193707071730	7.6	163		193707070600	3.7304	184.3994	se	10	29.800	80	81	86	bc	a cu	se	6	10	1	se
COLORAD	193707071800	6.7	202		193707070700	1.5697	186.1420	ese	9	29.750	79	78	84	bc	cu	s	4	40	1	se
ONTARIO	193707071800	9.2	112		1193707070600	-10.1486	181.9678		0	0.000	0	0	0				0	0	0	
ITASCA	193707071808	6.1	217	c/cs	193707070638	1.5277	186.1519		0	0.000	0	0	0				0	0	0	
ITASCA	193707071830	6.1	217		193707070700	1.4979	186.1290	ese	7	29.880	88	83	84	cp	a cu	se	6	25	1	se
SWAN	193707071830	7.6	163		193707070700	3.6087	184.4356	se	10	29.830	81	81	86	bc	a cu	se	6	25	1	se
COLORAD	193707071900	7.8	208	fobs	193707070800	1.4667	186.1000	exn	9	29.780	81	79	84	bc	st cu	s	4	50	1	se
ONTARIO	193707071900	9.2	112		1193707070700	-10.2060	182.1114		0	0.000	0	0	0				0	0	0	
ITASCA	193707071930	6.4	208	fixx	193707070800	1.4167	186.0667	se	7	29.890	87	83	84	bc	a cu	se	8	25	1	se
SWAN	193707071930	7.6	163		193707070800	3.4870	184.4718	se	10	29.840	81	82	86	bc	a cu	se	7	35	1	se
COLORAD	193707072000	7.8	208		193707070900	1.3512	186.0394	exn	10	29.780	82	79	84	bc	cu	s	3	50	1	se
ONTARIO	193707072000	10.8	116	fixx	1193707070800	-10.2633	182.2550		0	0.000	0	0	0				0	0	0	
ITASCA	193707072030	6.4	208		193707070900	1.3229	186.0167	se	7	29.900	91	85	84	bc	a cu	se	6	25	1	se
SWAN	193707072030	7.6	163		193707070900	3.3652	184.5081	se	8	29.850	81	82	86	q	st cu	se	8	30	2	se
COLORAD	193707072100	7.8	208		193707071000	1.2357	185.9789	exn	10	29.800	84	79	84	bc	st cu	s	5	50	1	se
ONTARIO	193707072100	10.8	116		1193707070900	-10.3433	182.4183		0	0.000	0	0	0				0	0	0	
ITASCA	193707072130	6.4	208		193707071000	1.2292	185.9667	se	7	29.900	92	85	84	bc	a cu	se	7	25	1	se
SWAN	193707072130	7.6	163		193707071000	3.2435	184.5443	se	8	29.850	82	82	86	c	st cu	se	7	35	1	se
COLORAD	193707072200	7.8	208		193707071100	1.1203	185.9183	exn	10	29.810	84	79	84	bc	st cu	se	4	50	1	se
ONTARIO	193707072200	10.8	116		1193707071000	-10.4233	182.5816		0	0.000	0	0	0				0	0	0	
COLORAD	193707072206	12.8	207	c/s	193707071106	1.1087	185.9123		0	0.000	0	0	0				0	0	0	
ITASCA	193707072210	12.3	237	radm	193707071110	1.1667	185.9333		0	0.000	0	0	0				0	0	0	
COLORAD	193707072220	14.8	206	c/s	193707071120	1.0641	185.8899		0	0.000	0	0	0				0	0	0	
ITASCA	193707072223	12.3	237	c/cs	193707071053	1.1481	185.9314		0	0.000	0	0	0				0	0	0	
ITASCA	193707072230	12.3	237		193707071100	1.1349	185.9113	ese	11	29.900	86	82	84	bc	a cu	se	4	25	1	se
SWAN	193707072230	7.6	163		193707071100	3.1217	184.5805	se	10	29.840	83	83	86	c	a cu	se	6	40	1	se
ITASCA	193707072255	12.3	243	c/c	193707071125	1.0880	185.8398		0	0.000	0	0	0				0	0	0	
COLORAD	193707072300	12.5	213	fixx	193707071200	0.9167	185.8167	exn	9	29.810	84	79	84	bc	cu	se	4	50	1	se
ONTARIO	193707072300	10.8	116		1193707071100	-10.5033	182.7449		0	0.000	0	0	0				0	0	0	
ITASCA	193707072330	16.6	248	fixx	193707071200	1.0333	185.7333	ese	11	29.890	85	82	84	bc	a cu	se	3	25	1	se
SWAN	193707072330	7.7	175	radm	193707071200	3.0000	184.6167	se	10	29.830	83	83	86	bc	a cu	se	4	40	1	se
COLORAD	193707072400	12.5	213		193707071300	0.7412	185.7047	se	13	29.810	84	79	83	bc	cu	se	3	50	2	se
ONTARIO	193707072400	7.5	120	fixx	1193707071200	-10.5833	182.9083		0	0.000	0	0	0				0	0	0	
SWAN	193707080028	7.7	175	c/c	193707071258	2.8775	184.6400		0	0.000	0	0	0				0	0	0	
COLORAD	193707080030	12.5	213		193707071300	0.6535	185.6488	se	13	29.810	84	79	83	bc	cu	se	3	50	2	se
ITASCA	193707080030	16.6	248		193707071300	0.9277	185.4767	se	11	29.870	84	81	84	bc	cu	se	3	25	1	sse
SWAN	193707080030	7.7	175		193707071300	2.8732	184.6403	se	8	29.820	83	83	86	bc	a cu	se	5	40	1	se
ONTARIO	193707080100	7.5	120		1193707071300	-10.6458	183.0176		0	0.000	0	0	0				0	0	0	
ITASCA	193707080110	16.6	247	c/c	193707071340	0.8572	185.3056		0	0.000	0	0	0				0	0	0	
COLORAD	193707080130	12.2	201	c/c	193707071400	0.4780	185.5369	se	13	29.740	84	79	83	bc	cu	se	3	50	2	se

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
ITASCA	193707080130	16.6	247		193707071400	0.8207	185.2208	se	11	29.840	83	80	84	bc	cu	se	3	25	1	sse
SWAN	193707080130	7.7	175		193707071400	2.7448	184.6515	se	8	29.810	84	84	86	bc	st cu	se	4	40	1	se
COLORAD	193707080200	12.5	192	radm	193707071430	0.3833	185.5000		0	0.000	0	0	0				0	0	0	
ONTARIO	193707080200	7.5	120		1193707071400	-10.7083	183.1270		0	0.000	0	0	0				0	0	0	
COLORAD	193707080230	12.5	192		193707071500	0.2810	185.4786	se	13	29.700	85	80	82	bc	cu	se	3	50	2	se
ITASCA	193707080230	16.6	247		193707071500	0.7112	184.9662	se	11	29.820	83	80	84	bc	cu	se	3	25	1	sse
SWAN	193707080230	7.7	175		193707071500	2.6164	184.6626	se	8	29.780	84	84	86	bc	st cu	se	5	40	1	se
ONTARIO	193707080300	7.5	120		1193707071500	-10.7708	183.2363		0	0.000	0	0	0				0	0	0	
COLORAD	193707080330	12.5	192		193707071600	0.0763	185.4358	se	13	29.710	84	79	83	bc	cu	se	3	50	2	se
ITASCA	193707080330	16.6	247		193707071600	0.6016	184.7116	se	11	29.820	83	80	84	bc	cu	se	2	25	1	se
SWAN	193707080330	7.7	175		193707071600	2.4880	184.6737	se	8	29.780	83	83	86	bc	nb	se	5	40	1	se
COLORAD	193707080349	10.5	191	c/s	193707071619	0.0115	185.4223		0	0.000	0	0	0				0	0	0	
COLORAD	193707080353	11.7	206	logg	193707071623	0.0000	185.4200		0	0.000	0	0	0				0	0	0	
ONTARIO	193707080400	7.5	120		193707071600	-10.8333	183.3457	e	24	29.840	83	76	86	bc	st	e	6	45	4	exs
COLORAD	193707080430	11.7	206		193707071700	-0.1072	185.3667	se	16	29.710	84	79	83	bc	cu	se	6	50	2	se
ITASCA	193707080430	16.6	247		193707071700	0.4921	184.4570	ese	16	29.820	82	80	84	bc	cu	se	3	25	2	sexe
SWAN	193707080430	7.7	175		193707071700	2.3595	184.6848	se	8	29.780	85	85	86	bc	a cu	se	4	40	1	se
COLORAD	193707080441	10.0	269	c/cs	193707071711	-0.1391	185.3509		0	0.000	0	0	0				0	0	0	
ONTARIO	193707080500	7.5	120		193707071700	-10.8958	183.4551	ese	24	29.850	83	78	86	bc	st	ese	4	45	5	ese
COLORAD	193707080530	10.0	269		193707071800	-0.1423	185.2153	se	16	29.720	84	79	83	bc	cu	se	3	50	2	se
ITASCA	193707080530	16.6	247		193707071800	0.3825	184.2024	ese	16	29.820	82	80	84	bc	cu	se	4	25	2	sexe
SWAN	193707080530	7.7	175		193707071800	2.2311	184.6959	se	10	29.780	83	83	86	bc	a cu	se	4	40	1	se
ONTARIO	193707080600	7.5	120		193707071800	-10.9583	183.5645	ese	30	29.850	82	78	86	bc	st ci	ese	4	45	5	ese
COLORAD	193707080630	10.0	269		193707071900	-0.1461	185.0493	se	16	29.720	84	79	83	bc	cu	se	3	20	2	se
ITASCA	193707080630	16.6	247		193707071900	0.2730	183.9479	ese	11	29.830	82	80	84	bc	cu	ese	4	25	1	sexe
SWAN	193707080630	7.7	175		193707071900	2.1027	184.7070	se	10	29.780	81	81	86	bc	a cu	se	4	10	1	se
ITASCA	193707080700	16.0	226	c/c	193707071930	0.2182	183.8206		0	0.000	0	0	0				0	0	0	
ONTARIO	193707080700	7.5	120		193707071900	-11.0208	183.6739	ese	30	29.870	83	79	86	bc	st cu	ese	3	40	5	ese
COLORAD	193707080730	8.7	256	radm	193707072000	-0.1500	184.8833	sse	6	29.730	82	79	83	bc	cu	se	3	20	2	se
ITASCA	193707080730	16.6	211	fixx	193707072000	0.1250	183.7250	se	11	29.840	82	80	83	bc	cu	se	2	25	1	se
SWAN	193707080730	7.7	175		193707072000	1.9743	184.7181	se	10	29.780	82	82	86	bc	a cu	se	4	10	1	se
SWAN	193707080755	7.7	172	c/c	193707072025	1.9208	184.7228		0	0.000	0	0	0				0	0	0	
ONTARIO	193707080800	9.4	103	fixx	193707072000	-11.0833	183.7833	ese	30	29.890	83	79	86	bc	ci	ese	5	40	5	ese
COLORAD	193707080830	8.7	256		193707072100	-0.1839	184.7429	sse	8	29.760	81	78	83	bc	cu nb	se	3	20	2	se
ITASCA	193707080830	16.6	211		193707072100	-0.1140	183.5839	se	11	29.850	81	79	83	bc	ci	se	1	25	1	se
SWAN	193707080830	7.7	172		193707072100	1.8464	184.7338	se	10	29.820	82	82	86	bc	a cu	se	4	1	1	se
ONTARIO	193707080900	9.4	103		193707072100	-11.1181	183.9387	e	24	29.890	83	78	86	c	st cu	e	8	30	5	ese
COLORAD	193707080930	8.7	256		193707072200	-0.2178	184.6024	sse	8	29.780	81	78	83	bc	nb	se	1	20	2	se
ITASCA	193707080930	16.6	211		193707072200	-0.3529	183.4429	se	11	29.880	82	79	83	bc	a cu	se	1	25	1	se
SWAN	193707080930	7.7	172		193707072200	1.7188	184.7527	se	14	29.840	82	82	86	bc	a cu	se	4	1	1	se
ITASCA	193707080955	14.6	253	c/c	193707072225	-0.4525	183.3841		0	0.000	0	0	0				0	0	0	
ONTARIO	193707081000	9.4	103		193707072200	-11.1528	184.0941	e	24	29.880	83	78	86	bc	st cu	e	6	30	5	ese
COLORAD	193707081030	8.7	256		193707072300	-0.2517	184.4620	sse	8	29.780	82	78	83	bc	cu	se	2	20	2	se
ITASCA	193707081030	14.6	253		193707072300	-0.4938	183.2486	ese	11	29.880	82	79	83	bc	a cu	se	1	25	1	se
SWAN	193707081030	7.7	172		193707072300	1.5913	184.7716	se	14	29.840	82	82	86	bc	a cu	se	4	1	1	se
ONTARIO	193707081100	9.4	103		193707072300	-11.1875	184.2495	e	24	29.870	83	78	86	bc	cu	e	4	30	5	ese
COLORAD	193707081130	8.7	184	c/c	193707072400	-0.2856	184.3215	sse	8	29.790	82	78	83	bc	cu nb	se	3	20	2	se
ITASCA	193707081130	14.6	253		193707072400	-0.5646	183.0162	ese	11	29.870	82	79	83	bc	a cu	se	1	25	1	se
SWAN	193707081130	7.7	172		193707072400	1.4638	184.7905	se	14	29.840	82	82	86	bc	a cu	se	4	1	1	se
ITASCA	193707081200	16.3	265	radm	193707080030	-0.6000	182.9000		0	0.000	0	0	0				0	0	0	
ONTARIO	193707081200	9.4	103		193707072400	-11.2222	184.4049	e	24	29.870	83	78	86	bc	cu	e	2	30	5	ese
SWAN	193707081200	7.2	179	radm	193707080030	1.4000	184.8000		0	0.000	0	0	0				0	0	0	
COLORAD	193707081230	8.7	184		193707080100	-0.4296	184.3124	se	9	29.760	81	79	83	bc	cu	se	1	25	2	se
ITASCA	193707081230	16.3	265		193707080100	-0.6126	182.7645	ese	11	29.850	81	79	83	bc	nb	se	1	20	1	se
SWAN	193707081230	7.2	179		193707080100	1.3401	184.8011	se	14	29.780	81	81	85	bc	a cu	se	4	1	2	se
ONTARIO	193707081300	9.4	103		193707080100	-11.2569	184.5604	exs	20	29.860	82	79	86	bc	cu	exs	3	30	5	ese
COLORAD	193707081330	8.7	184		193707080200	-0.5737	184.3032	se	9	29.750	80	79	83	bc	cu nb	se	2	25	2	se
ITASCA	193707081330	16.3	265		193707080200	-0.6379	182.4935	ese	11	29.830	81	79	83	bc	a cu	se	2	20	1	se
SWAN	193707081330	7.2	179		193707080200	1.2203	184.8033	se	16	29.760	81	81	85	bc	ci cu	se	2	1	2	se
ONTARIO	193707081400	9.4	103		193707080200	-11.2917	184.7160	exs	24	29.840	82	78	86	bc	cu	exs	3	30	5	ese
COLORAD	193707081430	8.7	184		193707080300	-0.7178	184.2941	sse	9	29.730	80	79	83	bc	ci	se	2	25	2	se
ITASCA	193707081430	16.3	265		193707080300	-0.6631	182.2226	ese	11	29.820	81	79	83	bc	st cu	ese	4	20	1	se
SWAN	193707081430	7.2	179		193707080300	1.1005	184.8055	se	16	29.740	81	81	85	bc	ci cu	se	4	1	2	se

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldr
ITASCA	193707081500	1.3	272	c/s	193707080330	-0.6758	182.0871		0	0.000	0	0	0				0	0	0	
ONTARIO	193707081500	9.4	103		193707080300	-11.3264	184.8715	exs	24	29.830	82	79	86	bc	cu	exs	3	30	5	ese
COLORAD	193707081530	7.5	95	c/c	193707080400	-0.8619	184.2849	sse	11	29.700	80	79	83	bc	ci	se	1	25	2	se
ITASCA	193707081530	1.3	272		193707080400	-0.6753	182.0759	ese	7	29.810	80	78	83	bc	cu	ese	2	20	1	se
SWAN	193707081530	7.2	179		193707080400	0.9807	184.8077	se	16	29.740	80	81	85	bc	ci cu	se	4	1	2	se
ONTARIO	193707081600	9.4	103		193707080400	-11.3611	185.0272	exs	24	29.830	82	79	86	c	cu nb	exs	9	30	5	ese
COLORAD	193707081630	7.5	95		193707080500	-0.8726	184.4091	sse	11	29.690	81	78	83	bc	cu	se	2	20	1	se
ITASCA	193707081630	1.3	272		193707080500	-0.6745	182.0536	se	7	29.810	80	78	83	bc	cu	se	3	25	1	se
SWAN	193707081630	7.2	179		193707080500	0.8610	184.8099	se	12	29.740	81	81	85	bc	ci cu	se	3	1	2	se
ONTARIO	193707081700	9.4	103		193707080500	-11.3958	185.1828	exs	30	29.830	82	77	86	bc	cu	exs	4	35	5	ese
COLORAD	193707081730	8.1	181	map	193707080600	-0.8833	184.5333	sse	11	29.690	80	77	83	bc	cu	se	4	30	1	se
ITASCA	193707081730	1.3	272		193707080600	-0.6736	182.0312	se	7	29.800	80	78	83	bc	cu	se	3	25	1	se
SWAN	193707081730	7.2	179		193707080600	0.7412	184.8121	se	12	29.750	81	81	85	bc	st cu	se	5	15	1	se
ITASCA	193707081755	13.7	88	c/cs	193707080625	-0.6732	182.0219		0	0.000	0	0	0				0	0	0	
ONTARIO	193707081800	9.4	103		193707080600	-11.4306	185.3385	exs	30	29.850	82	79	86	c	ci cu	ese	8	45	5	ese
COLORAD	193707081801	8.1	181	c/c	193707080631	-0.8845	184.6011		0	0.000	0	0	0				0	0	0	
COLORAD	193707081830	1.0	360	radm	193707080700	-0.9500	184.6000	sse	11	29.700	81	78	83	bc	cu	se	4	40	1	se
ITASCA	193707081830	13.7	88		193707080700	-0.6676	182.1547	se	7	29.820	81	79	83	bc	cu	se	3	25	1	se
SWAN	193707081830	7.2	179		193707080700	0.6214	184.8143	se	12	29.770	81	81	85	bc	st cu	se	5	25	1	se
ITASCA	193707081835	14.5	20	c/c	193707080705	-0.6668	182.1736		0	0.000	0	0	0				0	0	0	
ONTARIO	193707081900	9.4	103		193707080700	-11.4653	185.4942	ese	30	29.870	81	77	86	c	ci cu	ese	7	51	5	ese
COLORAD	193707081930	7.3	173	fixx	193707080800	-1.0667	184.6000	sse	11	29.720	83	79	83	bc	cu	se	3	40	1	se
ITASCA	193707081930	14.8	90	fixx	193707080800	-0.4583	182.2500	ese	7	29.840	82	79	83	bc	cu	se	3	25	1	se
SWAN	193707081930	7.2	179		193707080800	0.5016	184.8165	se	12	29.790	81	81	85	bc	st cu	se	5	30	1	se
ONTARIO	193707082000	7.5	146	fixx	193707080800	-11.5000	185.6500	ese	30	29.890	82	78	86	bc	cu	sexe	4	45	5	ese
ONTARIO	193707082005	7.5	146	c/c	193707080805	-11.5074	185.6567		0	0.000	0	0	0				0	0	0	
SWAN	193707082023	7.0	163	c/c	193707080853	0.3958	184.8185		0	0.000	0	0	0				0	0	0	
COLORAD	193707082030	7.3	173		193707080900	-1.1869	184.6152	sse	12	29.720	83	79	84	bc	cu	se	3	40	1	se
ITASCA	193707082030	14.8	90		193707080900	-0.4562	182.4958	ese	11	29.860	84	81	82	bc	ci cu	se	2	25	2	se
SWAN	193707082030	7.0	163		193707080900	0.3828	184.8225	se	10	29.800	82	82	85	bc	a cu	se	4	40	1	se
ONTARIO	193707082100	7.5	146		193707080900	-11.6032	185.7214	sexe	30	29.890	82	77	86	c	st	sexe	7	45	5	ese
COLORAD	193707082103	11.2	175	c/s	193707080933	-1.2530	184.6236		0	0.000	0	0	0				0	0	0	
SWAN	193707082110	7.0	153	c/c	193707080940	0.3086	184.8459		0	0.000	0	0	0				0	0	0	
COLORAD	193707082130	11.2	175		193707081000	-1.3371	184.6304	e	13	29.720	83	79	84	bc	cu	se	3	40	1	se
ITASCA	193707082130	14.8	90		193707081000	-0.4542	182.7417	ese	11	29.860	85	81	82	bc	cu	se	3	25	2	se
SWAN	193707082130	7.0	153		193707081000	0.2740	184.8632	se	10	29.810	82	82	85	bc	a cu	se	3	45	1	se
COLORAD	193707082200	13.2	41	c/c	193707081030	-1.4305	184.6380		0	0.000	0	0	0				0	0	0	
ONTARIO	193707082200	7.5	146		193707081000	-11.7077	185.7921	sexe	30	29.890	82	77	86	bc	cu	sexe	4	45	5	ese
COLORAD	193707082205	12.1	165	radm	193707081035	-1.4167	184.6500		0	0.000	0	0	0				0	0	0	
COLORAD	193707082208	12.1	165	c/c	193707081038	-1.4092	184.6559		0	0.000	0	0	0				0	0	0	
COLORAD	193707082230	12.1	165		193707081100	-1.4805	184.6744	e	18	29.720	83	79	84	bc	cu	se	4	40	1	se
ITASCA	193707082230	14.8	90		193707081100	-0.4521	182.9875	ese	11	29.850	85	81	83	bc	cu	se	3	25	2	se
SWAN	193707082230	7.0	153		193707081100	0.1704	184.9149	se	10	29.800	82	82	85	bc	a cu	se	4	45	1	se
ONTARIO	193707082300	7.5	146		193707081100	-11.8122	185.8627	sexe	30	29.870	82	79	86	c	st cu	sexe	8	40	5	ese
COLORAD	193707082330	12.1	165	fixx	193707081200	-1.6750	184.7250	e	18	29.720	83	79	84	bc	cu	se	4	40	1	se
ITASCA	193707082330	13.9	91	fixx	193707081200	-0.4500	183.2333	ese	11	29.830	86	82	82	bc	cu	se	3	25	2	se
SWAN	193707082330	5.4	109	radi	193707081200	0.0667	184.9667	se	10	29.800	82	82	84	bc	a cu	se	4	45	1	se
ITASCA	193707082350	13.9	91	c/c	193707081220	-0.4503	183.3108		0	0.000	0	0	0				0	0	0	
ONTARIO	193707082400	8.3	127	fixx	193707081200	-11.9167	185.9333	sexe	24	29.870	83	78	86	bc	cu	sexe	6	45	5	ese
SWAN	193707090019	5.4	109	c/c	193707081249	0.0029	184.9916		0	0.000	0	0	0				0	0	0	
SWAN	193707090025	1.5	244	logg	193707081255	0.0000	185.0000		0	0.000	0	0	0				0	0	0	
COLORAD	193707090030	12.1	165		193707081300	-1.8694	184.7785	sse	18	29.720	79	79	84	bc	cu	se	4	40	1	se
ITASCA	193707090030	13.9	91		193707081300	-0.4538	183.4656	ese	11	29.820	85	81	83	bc	cu	se	3	25	2	ese
SWAN	193707090030	1.5	244		193707081300	-0.0009	184.9981	se	10	29.800	82	82	84	bc	a cu	se	4	45	1	se
COLORAD	193707090041	8.1	166	c/c	193707081311	-1.9050	184.7883		0	0.000	0	0	0				0	0	0	
ONTARIO	193707090100	8.3	127		193707081300	-12.0000	186.0457	sexe	24	29.850	82	78	86	bc	st cu	sexe	4	45	5	ese
SWAN	193707090125	8.3	133	c/c	193707081355	-0.0107	184.9777		0	0.000	0	0	0				0	0	0	
COLORAD	193707090130	8.1	166		193707081400	-2.0120	184.8152	sse	18	29.700	86	80	84	bc	cu ci	se	4	50	1	se
ITASCA	193707090130	13.9	91		193707081400	-0.4591	183.6978	ese	11	29.800	85	81	83	c	cu	se	6	25	2	ese
SWAN	193707090130	8.3	133		193707081400	-0.0185	184.9862	se	10	29.740	85	85	84	bc	a cu	se	4	45	1	se
ONTARIO	193707090200	8.3	127		193707081400	-12.0833	186.1582	sexe	24	29.830	82	78	86	bc	st cu	sexe	4			

Ship	Timez	Speed	Heading	Comment	Timel	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
SWAN	193707090230	8.3	133		193707081500	-0.1131	185.0883	se	10	29.720	83	82	84	bc	a cu	se	4	45	1	se
ITASCA	193707090233	15.1	182	c/c	193707081503	-0.4646	183.9416		0	0.000	0	0	0				0	0	0	
COLORAD	193707090245	12.1	165	c/s	193707081515	-2.1758	184.8564		0	0.000	0	0	0				0	0	0	
COLORAD	193707090300	11.5	49	c/c	193707081530	-2.2243	184.8698		0	0.000	0	0	0				0	0	0	
ONTARIO	193707090300	8.3	127		193707081500	-12.1667	186.2706	sexe	20	29.830	82	78	86	c	cu	sexe	7	45	5	ese
COLORAD	193707090306	12.1	165	c/c	193707081536	-2.2119	184.8843		0	0.000	0	0	0				0	0	0	
COLORAD	193707090330	8.1	166	c/s	193707081600	-2.2897	184.9057	ese	17	29.690	86	81	84	bc	cu	se	4	50	1	se
ITASCA	193707090330	15.1	182		193707081600	-0.7029	183.9330	ese	11	29.770	84	80	84	bc	cu	se	3	25	2	ese
SWAN	193707090330	8.3	133		193707081600	-0.2076	185.1903	se	10	29.720	83	83	84	bc	a cu	se	5	40	1	se
ITASCA	193707090330	16.1	271	c/c	193707081603	-0.7154	183.9326		0	0.000	0	0	0				0	0	0	
COLORAD	193707090350	5.5	154	radm	193707081620	-2.3333	184.9167		0	0.000	0	0	0				0	0	0	
ONTARIO	193707090400	8.3	127		193707081600	-12.2500	186.3831	sexe	24	29.820	82	78	86	c	cu	sexe	7	45	5	ese
COLORAD	193707090430	5.5	154		193707081700	-2.3887	184.9435	ne	13	29.680	86	81	85	bc	cu	se	4	50	1	se
ITASCA	193707090430	16.1	271		193707081700	-0.7121	183.6782	se	7	29.790	84	81	84	bc	a cu	se	3	25	2	ese
SWAN	193707090430	8.3	133		193707081700	-0.3021	185.2924	se	6	29.740	82	83	84	bc	a cu	se	5	45	1	se
ONTARIO	193707090500	8.3	127		193707081700	-12.3333	186.4956	sexe	24	29.840	81	77	86	bcq	cu	sexe	3	45	5	ese
COLORAD	193707090530	5.4	181	c/c	193707081800	-2.4718	184.9838	ne	14	29.690	84	79	84	bc	cu	se	4	40	1	se
ITASCA	193707090530	16.1	271		193707081800	-0.7087	183.4105	se	7	29.790	84	80	84	bc	a cu	se	3	25	2	ese
SWAN	193707090530	8.3	133		193707081800	-0.3967	185.3944	se	6	29.740	82	83	84	bc	a cu	se	5	40	1	se
COLORAD	193707090600	8.0	180	map	193707081830	-2.5167	184.9833		0	0.000	0	0	0				0	0	0	
ITASCA	193707090600	1.1	267	c/s	193707081830	-0.7070	183.2766		0	0.000	0	0	0				0	0	0	
ONTARIO	193707090600	8.3	127		193707081800	-12.4167	186.6082	sexe	24	29.850	82	78	86	bc	cu	sexe	4	40	5	ese
COLORAD	193707090630	8.0	180		193707081900	-2.5833	184.9833	ne	14	29.700	84	79	85	bc	cu	se	3	35	1	se
ITASCA	193707090630	1.1	267		193707081900	-0.7074	183.2678	se	7	29.800	83	80	84	bc	a cu	se	3	25	2	ese
SWAN	193707090630	8.3	133		193707081900	-0.4912	185.4965	se	6	29.760	81	82	84	bc	a cu	se	5	30	1	se
ONTARIO	193707090700	8.3	127		193707081900	-12.5000	186.7207	sexe	24	29.870	82	78	86	bc	cu	sexe	5	35	5	sexe
SWAN	193707090717	8.2	127	c/c	193707081947	-0.5653	185.5764		0	0.000	0	0	0				0	0	0	
COLORAD	193707090730	7.6	190	fobs	193707082000	-2.7167	184.9833	ne	14	29.710	84	79	85	bc	cu	se	3	30	2	se
ITASCA	193707090730	0.7	279	fixx	193707082000	-0.7083	183.2500	ese	7	29.800	83	80	84	bc	a cu	se	2	25	1	ese
SWAN	193707090730	7.3	113	fixx	193707082000	-0.5833	185.6000	se	6	29.780	82	82	84	bc	a cu	se	5	1	1	se
ONTARIO	193707090800	9.0	126	fixx	193707082000	-12.5833	186.8333	sexe	30	29.880	81	78	86	bc	cu	sexe	3	35	5	sexe
COLORAD	193707090830	7.6	190		193707082100	-2.8414	184.9620	ne	14	29.720	81	79	85	bc	st cu	ne	2	30	1	se
ITASCA	193707090830	0.7	279		193707082100	-0.7065	183.2389	ese	7	29.840	82	79	84	bc	cu	se	1	25	1	ese
SWAN	193707090830	7.3	113		193707082100	-0.6315	185.7111	se	6	29.780	82	82	85	bc	a cu	se	5	1	1	se
ONTARIO	193707090900	9.0	126		193707082100	-12.6723	186.9570	sexe	30	29.870	81	77	86	bc	cu	sexe	2	30	5	sexe
COLORAD	193707090930	7.6	190		193707082200	-2.9662	184.9407	ne	14	29.730	83	80	85	bc	st cu	ne	3	30	1	se
ITASCA	193707090930	0.7	279		193707082200	-0.7046	183.2278	ese	7	29.840	82	79	84	b			0	20	1	ese
SWAN	193707090930	7.3	113		193707082200	-0.6796	185.8222	se	6	29.820	82	82	85	bc	cu nb	se	5	1	1	se
ONTARIO	193707091000	9.0	126		193707082200	-12.7612	187.0807	sexe	24	29.870	81	77	86	bc	cu	sexe	2	30	5	sexe
COLORAD	193707091030	7.6	190		193707082300	-3.0910	184.9194	ne	14	29.730	82	80	85	bc	st cu	ne	3	25	1	se
ITASCA	193707091030	0.7	279		193707082300	-0.7028	183.2167	exs	7	29.850	81	79	84	b			0	20	1	ese
SWAN	193707091030	7.3	113		193707082300	-0.7278	185.9333	se	6	29.800	81	82	85	bc	cu nb	se	5	1	1	se
ONTARIO	193707091100	9.0	126		193707082300	-12.8501	187.2044	sexe	24	29.870	81	77	86	bc	cu	sexe	2	30	5	sexe
COLORAD	193707091130	7.6	190		193707082400	-3.2157	184.8981	ne	14	29.740	82	80	85	bc	st cu	ne	2	25	1	se
ITASCA	193707091130	0.7	279		193707082400	-0.7009	183.2056	exs	7	29.840	81	78	84	b			0	20	1	ese
SWAN	193707091130	7.3	113		193707082400	-0.7759	186.0444	se	6	29.790	81	82	85	bc	a cu	se	5	1	1	se
ITASCA	193707091200	1.5	292	radm	193707090030	-0.7000	183.2000		0	0.000	0	0	0				0	0	0	
ONTARIO	193707091200	9.0	126		193707082400	-12.9390	187.3281	sexe	20	29.870	80	77	86	bc	cu	sexe	3	30	4	sexe
SWAN	193707091200	7.3	137	radm	193707090030	-0.8000	186.1000		0	0.000	0	0	0				0	0	0	
COLORAD	193707091230	7.6	190		193707090100	-3.3405	184.8767	ne	12	29.730	83	80	84	bc	cu	ne	1	25	1	se
ITASCA	193707091230	1.5	292		193707090100	-0.6953	183.1883	e	11	29.820	81	79	83	bc	cu	e	2	20	1	e
SWAN	193707091230	7.3	137		193707090100	-0.8444	186.1411	e	10	29.770	81	81	85	bc	nb	e	4	10	1	e
ONTARIO	193707091300	9.0	126		193707090100	-13.0279	187.4519	sexe	20	29.870	81	78	86	bc	cu	sexe	3	30	4	sexe
COLORAD	193707091330	7.6	190		193707090200	-3.4652	184.8554	ne	12	29.710	83	80	84	bc	cu	ne	4	25	1	se
ITASCA	193707091330	1.5	292		193707090200	-0.6860	183.1648	e	11	29.800	81	79	83	bc	cu	e	2	20	1	ene
SWAN	193707091330	7.3	137		193707090200	-0.9333	186.2233	e	10	29.760	81	81	85	bc	ci cu	e	4	10	1	e
ONTARIO	193707091400	9.0	126		193707090200	-13.1169	187.5758	sexe	20	29.860	80	78	86	bc	cu nb	sexe	5	30	4	sexe
COLORAD	193707091430	7.6	190		193707090300	-3.5900	184.8340	ne	12	29.710	83	80	84	bc	st cu	ne	2	25	1	se
ITASCA	193707091430	1.5	292		193707090300	-0.6767	183.1413	e	11	29.790	81	79	83	bc	cu	e	2	20	1	ene
SWAN	193707091430	7.3	137		193707090300	-1.0222	186.3056	e	12	29.740	80	80	85	p	nb	e	6	10	1	e
ONTARIO	193707091500	9.0	126		193707090300	-13.2058	187.6996	sexe	20	29.840	80	76	86	bc	cu	sexe	4	30	4	sexe
COLORAD	193707091530	10.6	115	c/c	193707090400	-3.7148	184.8127	ne	12	29.700	83	79	84	bc	st cu	ne	2	25	1	se
ITASCA	193707091530	1.5	292		193707090400	-0.6674	183.1178	e	11	29.780	81	79	83	b			0	20	1	ese

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
SWAN	193707091530	7.3	137		193707090400	-1.1111	186.3878	e	12	29.740	80	80	85	bc	ci cu e	3	10	1	e	
ONTARIO	193707091600	9.0	126		193707090400	-13.2947	187.8235	sexe	20	29.830	80	76	86	bc	cu sexe	3	30	4	sexe	
COLORAD	193707091630	10.6	115		193707090500	-3.7907	184.9730	ne	12	29.690	82	78	84	bc	st cu ne	2	25	1	se	
ITASCA	193707091630	1.5	292		193707090500	-0.6581	183.0943	se	7	29.780	81	79	83	bc		0	25	1	ese	
SWAN	193707091630	7.3	137		193707090500	-1.2000	186.4700	e	12	29.750	81	81	85	bc	st cu e	3	10	1	e	
ONTARIO	193707091700	9.0	126		193707090500	-13.3836	187.9474	sexe	24	29.840	80	78	86	bc	cu sexe	4	30	4	sexe	
ONTARIO	193707091715	9.1	132	c/c	193707090515	-13.4058	187.9784		0	0.000	0	0	0			0	0	0		
COLORAD	193707091730	6.3	140	map	193707090600	-3.8667	185.1333	ne	12	29.690	82	78	85	bc	st cu ne	4	25	1	se	
ITASCA	193707091730	16.4	273	c/cs	193707090600	-0.6488	183.0708	se	11	29.800	81	79	83	bc	cu e	3	25	1	ese	
SWAN	193707091730	7.3	137		193707090600	-1.2889	186.5522	e	12	29.760	81	81	85	bc	st cu e	4	15	1	e	
ONTARIO	193707091745	9.1	135	c/c	193707090545	-13.4568	188.0359		0	0.000	0	0	0			0	0	0		
ONTARIO	193707091800	9.1	135		193707090600	-13.4838	188.0634	sexe	24	29.850	80	77	86	bc	st cu sexe	4	50	4	sexe	
ITASCA	193707091802	16.0	246	c/c	193707090632	-0.6415	182.9249		0	0.000	0	0	0			0	0	0		
COLORAD	193707091819	6.3	140	c/c	193707090649	-3.8854	185.2210		0	0.000	0	0	0			0	0	0		
COLORAD	193707091830	10.8	147	radm	193707090700	-3.9000	185.2333	e	12	29.700	83	78	85	bc	ci cu e	4	30	1	se	
ITASCA	193707091830	16.0	246		193707090700	-0.6919	182.8109	se	11	29.810	83	80	83	bc	cu e	3	25	1	ese	
SWAN	193707091830	7.3	137		193707090700	-1.3778	186.6344	e	12	29.770	81	81	85	bc	a cu e	4	35	1	e	
COLORAD	193707091831	10.8	147	c/cs	193707090701	-3.9017	185.2355		0	0.000	0	0	0			0	0	0		
ONTARIO	193707091900	9.1	135		193707090700	-13.5919	188.1733	sexe	20	29.880	80	78	86	bc	cu sexe	4	50	4	sexe	
COLORAD	193707091930	13.7	152	fixx	193707090800	-4.0500	185.3333	e	12	29.700	82	79	85	bc	ci cu e	4	40	1	se	
ITASCA	193707091930	15.7	244	fixx	193707090800	-0.8000	182.5667	ese	11	29.820	86	82	83	bc	cu e	3	25	1	ese	
SWAN	193707091930	9.2	112	fixx	193707090800	-1.4667	186.7167	e	12	29.780	81	81	85	bc	a cu e	5	40	1	e	
ONTARIO	193707092000	7.8	112	fixx	193707090800	-13.7000	188.2833		0	0.000	0	0	0			0	0	0		
COLORAD	193707092030	13.7	152		193707090900	-4.2512	185.4404	e	12	29.710	83	79	85	bc	ci cu e	4	40	1	se	
ITASCA	193707092030	15.7	244		193707090900	-0.9159	182.3324	ese	11	29.830	86	82	83	bc	cu e	3	25	1	ese	
SWAN	193707092030	9.2	112		193707090900	-1.5250	186.8583	e	12	29.780	83	83	85	bc	a cu e	4	45	1	e	
ONTARIO	193707092100	7.8	112		193707091000	-13.7489	188.4065	se	24	29.890	80	77	86	bc	cu se	6	50	4	sexe	
ITASCA	193707092109	14.9	182	c/c	193707090939	-0.9913	182.1802		0	0.000	0	0	0			0	0	0		
COLORAD	193707092130	13.7	152		193707091000	-4.4523	185.5475	e	12	29.710	83	79	85	bc	ci cu e	4	40	1	se	
ITASCA	193707092130	14.2	89	c/c	193707091000	-1.0783	182.1770	e	11	29.830	85	82	83	bc	cu e	4	25	2	ese	
SWAN	193707092130	9.2	112		193707091000	-1.5833	187.0000	e	12	29.780	82	82	85	bc	a cu e	4	45	1	e	
COLORAD	193707092150	12.2	16	c/c	193707091020	-4.5194	185.5832		0	0.000	0	0	0			0	0	0		
COLORAD	193707092157	13.1	109	c/c	193707091027	-4.4965	185.5896		0	0.000	0	0	0			0	0	0		
COLORAD	193707092200	12.3	110	radm	193707091030	-4.5000	185.6000		0	0.000	0	0	0			0	0	0		
ONTARIO	193707092200	7.8	112		193707091100	-13.7978	188.5297	se	24	29.890	80	77	86	bc	cu se	6	45	4	sexe	
COLORAD	193707092205	12.3	110	c/s	193707091035	-4.5069	185.6201		0	0.000	0	0	0			0	0	0		
COLORAD	193707092208	12.3	110	c/s	193707091038	-4.5104	185.6298		0	0.000	0	0	0			0	0	0		
COLORAD	193707092217	11.9	94	c/c	193707091047	-4.5210	185.6588		0	0.000	0	0	0			0	0	0		
ONTARIO	193707092227	7.6	116	c/c	193707091127	-13.8199	188.5852		0	0.000	0	0	0			0	0	0		
COLORAD	193707092230	11.9	94		193707091100	-4.5237	185.7017	e	12	29.710	84	80	85	bc	ci cu e	4	40	1	se	
ITASCA	193707092230	14.2	89		193707091100	-1.0725	182.4135	exn	16	29.820	85	81	83	bc	cu e	3	25	2	ese	
SWAN	193707092230	9.2	112		193707091100	-1.6417	187.1417	e	12	29.780	82	82	85	bc	a cu e	4	45	1	e	
COLORAD	193707092245	12.0	98	c/c	193707091115	-4.5268	185.7513		0	0.000	0	0	0			0	0	0		
COLORAD	193707092247	12.4	114	c/c	193707091117	-4.5277	185.7579		0	0.000	0	0	0			0	0	0		
COLORAD	193707092250	12.0	98	c/c	193707091120	-4.5319	185.7674		0	0.000	0	0	0			0	0	0		
ONTARIO	193707092300	7.6	116	fixx	193707091200	-13.8500	188.6500	se	24	29.890	80	77	86	bc	cu se	7	40	4	sexe	
COLORAD	193707092330	11.0	90	fixx	193707091200	-4.5500	185.9000	e	12	29.700	84	80	85	bc	ci cu e	4	40	1	se	
ITASCA	193707092330	12.5	92	radm	193707091200	-1.0667	182.6500	e	16	29.800	85	81	83	bc	cu e	3	25	2	exs	
SWAN	193707092330	6.6	121	radi	193707091200	-1.7000	187.2833	e	12	29.780	82	82	85	bc	a cu e	4	45	1	e	
ONTARIO	193707092400	9.0	133		193707091300	0.0000	0.0000	sexe	24	29.870	80	77	86	bc	cu sexe	6	40	4	sexe	
ITASCA	193707100001	12.5	92	c/c	193707091231	-1.0673	182.7575		0	0.000	0	0	0			0	0	0		
COLORAD	193707100030	11.0	90		193707091300	-4.5511	186.0835	ene	14	29.700	83	79	84	bc	a cu e	4	40	1	se	
ITASCA	193707100030	12.5	92		193707091300	-1.0701	182.8581	e	16	29.800	86	81	83	bc	a cu e	3	25	2	ese	
SWAN	193707100030	6.6	121		193707091300	-1.7564	187.3786	e	12	29.750	82	82	85	bc	a cu e	5	45	1	e	
ONTARIO	193707100100	9.0	133		193707091400	0.0000	0.0000	sexe	24	29.860	80	78	86	c	cu sexe	7	40	4	se	
COLORAD	193707100120	10.9	118	c/c	193707091350	-4.5521	186.2364		0	0.000	0	0	0			0	0	0		
ITASCA	193707100127	12.5	96	c/c	193707091357	-1.0755	183.0557		0	0.000	0	0	0			0	0	0		
COLORAD	193707100129	11.0	90	c/c	193707091359	-4.5647	186.2606		0	0.000	0	0	0			0	0	0		
COLORAD	193707100130	11.0	90		193707091400	-4.5647	186.2636	ene	14	29.660	83	79	85	bc	a cu e	4	40	1	se	
ITASCA	193707100130	12.5	96		193707091400	-1.0766	183.0661	e	16	29.780	86	82	83	bc	a cu e	4	25	2	ese	
SWAN	193707100130	6.6	121		193707091400	-1.8127	187.4739	e	12	29.740	82	83	85	bc	a cu e	5	45	1	e	
ONTARIO	193707100147	9.0	127	c/c	193707091447	0.0000	0.0000		0	0.000	0	0	0			0	0	0		
ONTARIO	193707100200	9.0	127		193707091500	0.0000	0.0000	sexe	24	29.850	80	77	86	bc	cu sexe	5	40	5	se	

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
COLORAD	193707100230	11.0	90		193707091500	-4.5659	186.4471	ene	14	29.660	83	79	85	bc	a cu e		4	40	1	se
ITASCA	193707100230	12.5	96		193707091500	-1.0997	183.2736	e	16	29.770	86	82	83	bc	a cu e		4	25	2	ese
SWAN	193707100230	6.6	121		193707091500	-1.8691	187.5692	e	12	29.710	82	82	85	bc	a cu e		5	45	1	e
ONTARIO	193707100300	9.0	127		193707091600	0.0000	0.0000	ese	30	29.840	80	77	86	c	cu nb	ese	9	25	5	se
COLORAD	193707100330	11.0	90		193707091600	-4.5670	186.6306	ene	14	29.660	84	79	84	bc	a cu e		4	40	1	se
ITASCA	193707100330	12.5	96		193707091600	-1.1229	183.4811	e	16	29.770	86	82	83	b	a cu e		3	25	2	ese
SWAN	193707100330	6.6	121		193707091600	-1.9254	187.6644	e	12	29.720	82	83	85	bc	a cu e		5	45	1	e
ONTARIO	193707100345	9.0	122	c/c	193707091645	0.0000	0.0000		0	0.000	0	0	0				0	0	0	
ONTARIO	193707100351	9.0	112	c/c	193707091651	0.0000	0.0000		0	0.000	0	0	0				0	0	0	
ONTARIO	193707100400	9.0	112		193707091700	0.0000	0.0000	ese	24	29.860	79	77	86	cr	nb	ese	8	10	4	se
COLORAD	193707100407	12.9	109	c/cs	193707091637	-4.5677	186.7438		0	0.000	0	0	0				0	0	0	
COLORAD	193707100412	12.2	19	c/c	193707091642	-4.5735	186.7608		0	0.000	0	0	0				0	0	0	
COLORAD	193707100416	13.0	100	c/c	193707091646	-4.5607	186.7654		0	0.000	0	0	0				0	0	0	
COLORAD	193707100423	12.0	5	c/c	193707091653	-4.5649	186.7903		0	0.000	0	0	0				0	0	0	
COLORAD	193707100424	8.0	7	c/c	193707091654	-4.5615	186.7906		0	0.000	0	0	0				0	0	0	
COLORAD	193707100430	8.0	7		193707091700	-4.5483	186.7922	ene	14	29.670	84	80	84	c	cu	ne	9	45	2	ne
ITASCA	193707100430	12.5	96		193707091700	-1.1460	183.6885	e	16	29.760	85	81	0	bc	a cu e		4	25	2	ese
SWAN	193707100430	6.6	121		193707091700	-1.9818	187.7597	e	12	29.730	82	82	85	bc	a cu e		5	45	1	e
ITASCA	193707100458	12.5	98	c/c	193707091728	-1.1567	183.7854		0	0.000	0	0	0				0	0	0	
COLORAD	193707100530	8.0	7		193707091800	-4.4161	186.8085	e	22	29.680	84	80	84	bc	ci cu e		7	45	2	ne
ITASCA	193707100530	12.5	98		193707091800	-1.1714	183.8958	e	16	29.780	85	81	0	bc	a cu e		3	25	2	ese
SWAN	193707100530	6.6	121		193707091800	-2.0381	187.8550	e	12	29.740	82	82	85	bc	a cu e		5	25	1	e
COLORAD	193707100600	7.3	357	map	193707091830	-4.3500	186.8167		0	0.000	0	0	0				0	0	0	
COLORAD	193707100630	7.3	357		193707091900	-4.2889	186.8139	e	22	29.680	81	79	84	bc	st cu	ne	4	35	2	ne
ITASCA	193707100630	12.5	98		193707091900	-1.1989	184.1030	e	16	29.780	82	79	0	bc	a cu e		2	25	2	exs
SWAN	193707100630	6.6	121		193707091900	-2.0945	187.9503	e	12	29.750	82	82	85	bc	a cu e		6	1	1	e
SWAN	193707100704	7.9	184	c/c	193707091934	-2.1264	188.0043		0	0.000	0	0	0				0	0	0	
ITASCA	193707100715	15.5	187	c/c	193707091945	-1.2195	184.2583		0	0.000	0	0	0				0	0	0	
COLORAD	193707100730	9.0	354	fixx	193707092000	-4.1667	186.8083	e	22	29.700	83	79	85	bc			0	25	1	ne
ITASCA	193707100730	1.5	257	fixx	193707092000	-1.2833	184.2500	e	16	29.790	81	78	0	bc	a cu e		1	25	2	exs
SWAN	193707100730	9.1	177	fixx	193707092000	-2.1833	188.0000	e	12	29.760	82	82	85	bc	ci cu e		4	1	1	e
ITASCA	193707100731	1.5	257	c/s	193707092001	-1.2876	184.2497		0	0.000	0	0	0				0	0	0	
COLORAD	193707100830	9.0	354		193707092100	-4.0175	186.7914	ne	16	29.710	83	79	85	b			0	25	1	ne
ITASCA	193707100830	1.5	257		193707092100	-1.2930	184.2259	e	11	29.820	82	79	0	bc	cu	e	3	20	2	exs
SWAN	193707100830	9.1	177		193707092100	-2.3353	188.0076	e	14	29.770	82	82	85	bc	ci	e	1	10	1	e
SWAN	193707100836	9.5	196	c/c	193707092106	-2.3504	188.0084		0	0.000	0	0	0				0	0	0	
COLORAD	193707100930	9.0	354		193707092200	-3.8684	186.7746	ne	16	29.720	83	80	84	bc	st cu	ne	1	25	1	ne
ITASCA	193707100930	1.5	257		193707092200	-1.2986	184.2016	e	11	29.820	82	79	0	bc	cu	e	1	20	2	exs
SWAN	193707100930	9.5	196		193707092200	-2.4872	187.9683	e	15	29.770	82	82	85	bc	ci cu e		3	10	1	e
COLORAD	193707101000	7.1	82	c/c	193707092230	-3.7939	186.7661		0	0.000	0	0	0				0	0	0	
COLORAD	193707101030	7.1	82		193707092300	-3.7860	186.8245	ne	15	29.720	83	79	84	bc	st cu	ne	1	25	1	ne
ITASCA	193707101030	1.5	257		193707092300	-1.3041	184.1773	e	16	29.830	82	79	0	bc	cu	e	2	20	2	e
SWAN	193707101030	9.5	196		193707092300	-2.6391	187.9238	e	16	29.770	82	82	85	bc	nb	e	4	10	1	e
COLORAD	193707101130	7.1	82		193707092400	-3.7702	186.9412	ne	15	29.720	83	79	84	bc	st cu	ne	2	25	1	ne
ITASCA	193707101130	1.5	257		193707092400	-1.3096	184.1530	e	16	29.830	82	79	0	bc	cu	e	2	20	2	e
SWAN	193707101130	9.5	196		193707092400	-2.7910	187.8792	e	16	29.770	81	81	85	bc	nb	e	2	10	1	e
COLORAD	193707101230	7.1	82		193707100100	-3.7544	187.0580	ne	15	29.720	83	79	84	bc	st cu	ne	2	30	1	ne
ITASCA	193707101230	1.5	257		193707100100	-1.3152	184.1287	ese	11	29.820	82	78	83	bc	cu	ese	2	20	1	e
SWAN	193707101230	9.5	196		193707100100	-2.9429	187.8347	e	10	29.760	82	82	85	bc	a st	e	2	10	1	e
COLORAD	193707101330	7.1	82		193707100200	-3.7386	187.1747	nexe	15	29.700	82	77	84	bc	st cu	ne	2	30	1	ne
ITASCA	193707101330	1.5	257		193707100200	-1.3207	184.1044	e	7	29.800	82	79	83	bc	cu	e	3	20	1	e
SWAN	193707101330	9.5	196		193707100200	-3.0949	187.7902	e	10	29.750	81	81	85	bc	a cu	e	2	10	1	e
SWAN	193707101350	7.9	92	c/c	193707100220	-3.1455	187.7753		0	0.000	0	0	0				0	0	0	
SWAN	193707101400	7.9	92		193707100300	-3.1462	187.7973	e	10	29.740	81	81	85	bc	a cu	e	2	10	1	e
COLORAD	193707101430	7.1	82		193707100300	-3.7228	187.2915	nexe	9	29.690	81	77	84	bc	st cu	ne	2	30	1	ne
ITASCA	193707101430	1.5	257		193707100300	-1.3263	184.0801	e	11	29.810	81	78	83	bc	ci cu	e	1	20	1	exn
SWAN	193707101500	7.9	92		193707100400	-3.1504	187.9290	e	10	29.740	81	81	85	bc	cu	e	2	10	1	e
COLORAD	193707101530	7.1	82		193707100400	-3.7070	187.4082	nexe	9	29.690	81	77	84	bc	st cu	ne	2	30	1	ne
ITASCA	193707101530	1.5	257		193707100400	-1.3318	184.0559	e	11	29.820	82	78	83	bc	ci cu	e	2	20	1	exn
SWAN	193707101555	7.9	68	c/c	193707100455	-3.1543	188.0498		0	0.000	0	0	0				0	0	0	
SWAN	193707101600	7.9	68		193707100500	-3.1501	188.0600	e	12	29.740	81	81	85	bc	a cu	e	4	10	1	e
COLORAD	193707101630	7.1	82		193707100500	-3.6912	187.5250	nexe	9	29.700	82	77	85	bc	st cu	ne	2	30	1	ne
ITASCA	193707101630	1.5	257		193707100500	-1.3373	184.0316	ese	7	29.800	81	78	83	bc	cu	e	2	25	1	ese

Ship	Timez	Speed	Heading	Comment	Timel	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
COLORAD	193707101700	7.9	126	map	193707100530	-3.6833	187.5833		0	0.000	0	0	0				0	0	0	
SWAN	193707101700	7.9	68		193707100600	-3.1006	188.1817	e	12	29.740	81	81	85	bc	a cu e		4	20	1	e
SWAN	193707101704	8.3	24	c/c	193707100604	-3.0973	188.1899		0	0.000	0	0	0				0	0	0	
ITASCA	193707101715	16.5	260	c/cs	193707100545	-1.3415	184.0134		0	0.000	0	0	0				0	0	0	
COLORAD	193707101730	7.9	126		193707100600	-3.7217	187.6366	nexe	10	29.700	82	77	85	bc	st cu ne		3	40	1	ne
ITASCA	193707101730	16.5	260		193707100600	-1.3537	183.9457	ese	7	29.810	81	78	83	bc	cu e		2	25	1	ese
SWAN	193707101735	9.3	25	c/s	193707100635	-3.0323	188.2191		0	0.000	0	0	0				0	0	0	
ITASCA	193707101753	16.5	264	c/c	193707100623	-1.3725	183.8420		0	0.000	0	0	0				0	0	0	
SWAN	193707101800	9.3	25		193707100700	-2.9739	188.2462	e	12	29.760	82	82	85	bc	a cu e		5	40	1	e
SWAN	193707101824	11.0	234	c/c	193707100724	-2.9179	188.2722		0	0.000	0	0	0				0	0	0	
COLORAD	193707101830	11.4	114	c/cs	193707100700	-3.7983	187.7433	ene	13	29.700	82	77	84	bc	cu ne		3	50	1	ne
ITASCA	193707101830	16.5	264		193707100700	-1.3893	183.6734	ese	11	29.820	82	78	84	bc	cu e		2	25	1	ese
SWAN	193707101900	6.2	215	fixx	193707100800	-2.9833	188.1833	e	12	29.780	82	82	83	bc	a cu e		5	40	1	e
COLORAD	193707101930	8.7	4	fixx	193707100800	-3.8750	187.9167	ene	12	29.720	82	78	84	bc	cu e		3	50	1	e
ITASCA	193707101930	15.0	266	fixx	193707100800	-1.4167	183.4000	e	11	29.850	83	79	84	bc	a cu e		1	25	1	ese
SWAN	193707102000	6.2	215		193707100900	-3.0679	188.1239	se	4	29.800	83	83	83	bc	a cu se		3	45	1	e
SWAN	193707102015	6.4	185	c/cs	193707100915	-3.0890	188.1091		0	0.000	0	0	0				0	0	0	
COLORAD	193707102030	8.7	4		193707100900	-3.7297	187.9276	ene	10	29.730	83	78	84	bc	cu ne		3	50	1	ne
ITASCA	193707102030	15.0	266		193707100900	-1.4333	183.1500	e	11	29.850	83	79	83	bc	a cu e		1	25	1	ese
SWAN	193707102100	6.4	185		193707101000	-3.1691	188.1021	se	4	29.800	84	84	83	bc	a cu se		3	45	1	e
COLORAD	193707102130	8.7	4		193707101000	-3.5844	187.9385	e	11	29.730	83	78	84	bc	cu n		3	50	1	ne
ITASCA	193707102130	15.0	266		193707101000	-1.4500	182.9000	e	11	29.850	83	79	84	bc	a cu e		1	25	1	ese
COLORAD	193707102132	14.2	126	c/c	193707101002	-3.5795	187.9388		0	0.000	0	0	0				0	0	0	
COLORAD	193707102142	9.3	31	c/c	193707101012	-3.6027	187.9709		0	0.000	0	0	0				0	0	0	
SWAN	193707102145	7.8	181	c/c	193707101045	-3.2493	188.0952		0	0.000	0	0	0				0	0	0	
COLORAD	193707102152	9.0	18	c/c	193707101022	-3.5805	187.9842		0	0.000	0	0	0				0	0	0	
SWAN	193707102200	7.8	181		193707101100	-3.2816	188.0945	se	4	29.800	85	85	83	bc	a cu se		3	45	1	e
COLORAD	193707102230	9.0	18		193707101100	-3.4904	188.0131	e	12	29.730	83	79	84	bc	a cu e		4	50	1	e
ITASCA	193707102230	15.0	266		193707101100	-1.4667	182.6500	e	11	29.850	84	80	84	bc	a cu e		2	25	1	ese
SWAN	193707102300	7.8	181		193707101200	-3.4110	188.0917	se	4	29.800	85	85	83	bc	a cu se		3	45	1	e
COLORAD	193707102320	7.0	127	swan	193707101150	-3.3718	188.0512		0	0.000	0	0	0				0	0	0	
SWAN	193707102324	4.4	74	c/s	193707101224	-3.4628	188.0906		0	0.000	0	0	0				0	0	0	
COLORAD	193707102330	4.5	117	fixx	193707101200	-3.3833	188.0667	e	10	29.730	84	79	84	bc	a cu e		3	50	1	e
ITASCA	193707102330	14.1	183	radm	193707101200	-1.4833	182.4000	ese	11	29.830	85	80	84	bc	a cu e		1	25	1	ese
COLORAD	193707102400	4.5	97	radm	193707101230	-3.4000	188.1000		0	0.000	0	0	0				0	0	0	
SWAN	193707102400	4.4	74		193707101300	-3.4506	188.1328	se	8	29.770	84	84	85	bc	a cu se		4	45	1	e
ITASCA	193707110013	14.1	183	c/c	193707101243	-1.4874	182.2089		0	0.000	0	0	0				0	0	0	
COLORAD	193707110030	4.5	97		193707101300	-3.4046	188.1376	exn	10	29.700	84	80	84	bc	a st e		6	50	2	e
ITASCA	193707110030	14.1	183		193707101300	-1.5536	182.2052	ese	16	29.790	84	80	84	bc	ci cu e		1	25	2	ese
SWAN	193707110100	4.4	74		193707101400	-3.4302	188.2031	se	8	29.750	83	83	85	bc	a cu se		5	45	1	e
ITASCA	193707110118	13.9	90	c/c	193707101348	-1.7407	182.1947		0	0.000	0	0	0				0	0	0	
COLORAD	193707110130	4.5	97		193707101400	-3.4137	188.2128	ene	12	29.700	84	80	84	bc	a cu e		5	50	2	e
ITASCA	193707110130	13.9	90		193707101400	-1.7409	182.2411	ese	16	29.780	84	80	84	bc	ci cu e		1	25	2	ese
SWAN	193707110140	8.8	315	radm	193707101410	-3.4167	188.2500		0	0.000	0	0	0				0	0	0	
SWAN	193707110153	8.8	315	c/cs	193707101453	-3.4179	188.2497		0	0.000	0	0	0				0	0	0	
SWAN	193707110200	8.8	315		193707101500	-3.4057	188.2376	se	8	29.740	82	82	85	bc	a cu se		4	45	1	e
COLORAD	193707110201	13.3	358	c/cs	193707101431	-3.4185	188.2516		0	0.000	0	0	0				0	0	0	
COLORAD	193707110215	12.9	7	radm	193707101445	-3.3667	188.2500		0	0.000	0	0	0				0	0	0	
COLORAD	193707110230	12.9	7		193707101500	-3.3133	188.2567	ene	14	29.670	84	80	84	bc	a cu ene		5	50	2	e
ITASCA	193707110230	13.9	90		193707101500	-1.7422	182.4731	ese	16	29.750	87	82	84	bc	a cu e		3	25	2	ese
SWAN	193707110300	8.8	315		193707101600	-3.3017	188.1338	nw	6	29.720	81	82	85	bc	a cu ne		5	45	1	ne
COLORAD	193707110330	9.3	124	radm	193707101600	-3.1000	188.2833	ene	14	29.670	84	80	84	bc	a cu ene		5	50	2	e
ITASCA	193707110330	13.9	90		193707101600	-1.7435	182.7051	ese	16	29.750	86	81	84	bc	a cu e		3	25	2	ese
COLORAD	193707110336	9.3	124	c/c	193707101606	-3.0756	188.2798		0	0.000	0	0	0				0	0	0	
COLORAD	193707110347	12.4	23	c/c	193707101617	-3.0917	188.3035		0	0.000	0	0	0				0	0	0	
COLORAD	193707110351	14.0	344	c/c	193707101621	-3.0790	188.3088		0	0.000	0	0	0				0	0	0	
SWAN	193707110400	8.8	315		193707101700	-3.1976	188.0299	nw	6	29.710	82	82	85	bc	a cu nw		4	45	1	nw
COLORAD	193707110407	14.1	343	c/c	193707101637	-3.0189	188.2920		0	0.000	0	0	0				0	0	0	
COLORAD	193707110430	16.1	344	c/s	193707101700	-2.9330	188.2653	se	12	29.670	83	79	84	bc	a cu se		5	50	1	e
ITASCA	193707110430	13.9	90		193707101700	-1.7448	182.9371	e	16	29.760	89	83	84	bc	cu e		3	25	2	ese
COLORAD	193707110459	16.4	331	c/c	193707101729	-2.8089	188.2287		0	0.000	0	0	0				0	0	0	
COLORAD	193707110513	16.1	344	c/c	193707101743	-2.7532	188.1975		0	0.000	0	0	0				0	0	0	
ITASCA	193707110528	14.2	189	c/c	193707101758	-1.7460	183.1614		0	0.000	0	0	0				0	0	0	

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
COLORAD	193707110530	16.1	344		193707101800	-2.6804	188.1761	se	12	29.670	82	79	84	c	cu nb	se	8	50	1	e
ITASCA	193707110530	14.2	189		193707101800	-1.7538	183.1602	e	16	29.760	89	83	84	bc	cu	e	2	25	2	ese
SWAN	193707110530	8.8	315		193707101800	-3.0415	187.8742	nw	4	29.720	82	82	85	bc	st cu	nw	4	25	1	nw
ITASCA	193707110535	13.8	96	c/c	193707101805	-1.7732	183.1573		0	0.000	0	0	0				0	0	0	
COLORAD	193707110630	16.1	344		193707101900	-2.4235	188.1005	se	12	29.680	81	79	84	bc	cu	se	3	25	1	e
ITASCA	193707110630	13.8	96		193707101900	-1.7943	183.3678	e	11	29.780	84	80	84	bc	cu	e	2	25	2	ese
SWAN	193707110630	8.8	315		193707101900	-2.9374	187.7704	nw	8	29.780	80	79	85	o	nb	ne	9	25	1	nw
ITASCA	193707110638	1.4	313	c/c	193707101908	-1.7973	183.3984		0	0.000	0	0	0				0	0	0	
COLORAD	193707110730	13.9	348	fixx	193707102000	-2.1667	188.0250	se	13	29.690	82	79	84	bc	cu	se	3	25	2	e
ITASCA	193707110730	0.0	279	fixx	193707102000	-1.7833	183.3833	e	11	29.780	83	80	84	bc	cu	e	1	20	2	ese
SWAN	193707110730	8.2	313	fixx	193707102000	-2.8333	187.6667	ne	4	29.770	80	79	85	r	nb	ne	8	0	1	nw
COLORAD	193707110830	13.9	348		193707102100	-1.9402	187.9784	ne	13	29.700	81	79	84	bc	cu	se	3	25	2	e
ITASCA	193707110830	1.1	247	radm	193707102100	-1.7833	183.3833	e	7	29.800	83	80	84	bc	cu		1	20	1	e
SWAN	193707110830	8.2	313		193707102100	-2.7396	187.5677	ne	6	29.780	80	79	85	r	nb	ne	7	10	1	nw
COLORAD	193707110845	13.9	348	c/s	193707102115	-1.8836	187.9667		0	0.000	0	0	0				0	0	0	
COLORAD	193707110930	13.9	348		193707102200	-1.7137	187.9318	ne	14	29.700	81	79	83	bc	cu	ne	3	25	2	ne
ITASCA	193707110930	1.1	247		193707102200	-1.7906	183.3664	e	7	29.800	83	79	84	bc	cu	e	1	20	1	e
SWAN	193707110930	8.2	313		193707102200	-2.6458	187.4687	ne	6	29.770	80	79	85	bc	cu nb	ne	5	10	1	nw
COLORAD	193707111030	13.9	348		193707102300	-1.4872	187.8852	ne	14	29.700	81	79	84	bc	cu	ne	3	25	2	ne
ITASCA	193707111030	1.1	247		193707102300	-1.7978	183.3495	e	7	29.800	82	79	84	bc	st cu	e	3	20	1	e
SWAN	193707111030	8.2	313		193707102300	-2.5521	187.3697	ne	8	29.780	80	79	85	bc	cu nb	ne	4	10	1	nw
COLORAD	193707111130	13.9	348		193707102400	-1.2607	187.8385	ne	14	29.700	81	79	84	bc	cu	ne	3	25	2	ne
ITASCA	193707111130	1.1	247		193707102400	-1.8050	183.3325	e	7	29.800	82	79	84	bc	st cu	e	4	20	1	e
SWAN	193707111130	8.2	313		193707102400	-2.4583	187.2707	ne	8	29.780	80	79	85	bc	cu	ne	3	10	1	nw
COLORAD	193707111230	13.9	348		193707110100	-1.0343	187.7919	ne	14	29.700	81	79	83	bc	cu	ne	2	20	1	ne
ITASCA	193707111230	1.1	247		193707110100	-1.8123	183.3156	ene	7	29.790	82	80	0	bc	a cu	ene	2	25	1	ene
SWAN	193707111230	8.2	313		193707110100	-2.3646	187.1717	nw	8	29.760	80	80	85	bc	a cu	nw	4	10	1	nw
COLORAD	193707111330	13.9	348		193707110200	-0.8078	187.7454	ne	14	29.700	81	79	83	bc	cu	ne	2	20	1	ne
ITASCA	193707111330	1.1	247		193707110200	-1.8195	183.2987	ene	7	29.790	82	80	0	bc	a cu	ene	1	25	1	ene
SWAN	193707111330	8.2	313		193707110200	-2.2708	187.0727	nw	8	29.760	80	80	85	bc	cu	nw	4	10	1	nw
COLORAD	193707111430	13.9	348		193707110300	-0.5813	187.6988	ne	17	29.700	81	79	83	bcp	st cu	ne	2	10	1	ne
ITASCA	193707111430	1.1	247		193707110300	-1.8268	183.2817	ene	7	29.790	82	80	0	bc	a cu	ene	1	25	1	ene
SWAN	193707111430	8.2	313		193707110300	-2.1771	186.9738	nw	8	29.740	80	80	85	q	nb	nw	10	10	1	nw
COLORAD	193707111530	13.9	348		193707110400	-0.3548	187.6522	ne	20	29.680	79	78	83	c	st cu	ne	5	10	2	ne
ITASCA	193707111530	1.1	247		193707110400	-1.8340	183.2648	ene	7	29.780	82	80	0	bc	a cu	ene	1	25	1	ene
SWAN	193707111530	8.2	313		193707110400	-2.0833	186.8748	nw	10	29.740	80	80	85	bc	ci st	nw	6	10	1	nw
COLORAD	193707111630	13.9	348		193707110500	-0.1283	187.6056	ene	21	29.670	79	78	83	c	a cu	ne	5	10	2	ne
ITASCA	193707111630	1.1	247		193707110500	-1.8412	183.2479	e	11	29.770	82	79	0	bc	st cu	e	4	25	1	ene
SWAN	193707111630	8.2	313		193707110500	-1.9896	186.7758	e	8	29.740	80	80	85	bc	a st	e	5	10	1	e
COLORAD	193707111704	14.6	351	logg	193707110534	0.0000	187.5792		0	0.000	0	0	0				0	0	0	
ITASCA	193707111722	14.0	92	c/cs	193707110552	-1.8475	183.2332		0	0.000	0	0	0				0	0	0	
COLORAD	193707111730	14.6	351		193707110600	0.1039	187.5621	ene	27	29.680	80	78	83	bc	cu	ne	4	20	1	e
ITASCA	193707111730	14.0	92		193707110600	-1.8485	183.2643	e	11	29.770	82	79	83	bc	a cu	e	4	25	1	ene
SWAN	193707111730	8.2	313		193707110600	-1.8958	186.6769	nw	24	29.740	80	80	85	bc	st cu	nw	8	20	1	nw
CUSHING	193707111800	23.0	228	c/cs	193707110700	0.0000	0.0000	se	11	29.700	81	81	83	bc	ci st	se	5	20	2	sse
DRAYTON	193707111800	23.0	228	c/cs	193707110700	0.0000	0.0000	e	16	29.760	81	80	79	bc	acu	e	5	35	2	e
COLORAD	193707111830	14.6	351		193707110700	0.3436	187.5227	ene	22	29.680	80	78	83	bc	cu ci	ne	3	30	2	e
DRAYTON	193707111830	23.6	228	fixx	193707110800	11.6833	193.1833	e	16	29.740	81	80	78	bc	st cu	s	5	35	2	e
ITASCA	193707111830	14.0	92		193707110700	-1.8557	183.4973	e	11	29.780	83	80	83	bc	a cu	e	5	25	1	ene
LAMSON	193707111830	22.2	228	c/cs	193707110730	0.0000	0.0000		0	0.000	0	0	0				0	0	0	
SWAN	193707111830	8.2	313		193707110700	-1.8021	186.5780	nw	8	29.740	81	81	85	bc	st cu	nw	6	25	1	e
CUSHING	193707111900	26.5	228	fixx	193707110800	11.6833	193.2167	se	16	29.700	81	81	82	bc	ci st	se	5	25	2	sse
DRAYTON	193707111900	23.6	228		193707110800	11.5509	193.0349	e	16	29.740	81	80	78	bc	st cu	s	5	35	2	e
LAMSON	193707111900	25.5	227	fixx	193707110800	11.6667	193.1500	s	11	30.060	83	80	81	bc	cu	w	5	40	1	se
COLORAD	193707111930	13.2	351	fixx	193707110800	0.5833	187.4833	ne	17	29.700	81	78	83	bc	ci cu	ne	5	4	4	ne
ITASCA	193707111930	14.0	92		193707110800	-1.8629	183.7303	ene	16	29.790	83	80	84	bc	cu	e	4	25	2	ene
SWAN	193707111930	8.2	313		193707110800	-1.7083	186.4790	nw	12	29.840	81	81	85	bc	cu nb	nw	8	25	1	e
CUSHING	193707112000	26.5	228		193707110900	11.3875	192.8828	sse	11	29.700	84	82	82	bc	cu	se	5	25	2	sse
DRAYTON	193707112000	23.6	228		193707110900	11.2861	192.7383	e	16	29.720	84	83	80	bc	st cu	e	5	35	2	e
LAMSON	193707112000	25.5	227		193707110900	11.3771	192.8318	se	16	30.060	83	81	81	bc	cu	s	6	35	1	se
COLORAD	193707112030	13.2	351		193707110900	0.8000	187.4479	ene	23	29.710	82	79	83	bc	cu	ne	5	40	4	ne
ITASCA	193707112030	14.0	92		193707110900	-1.8701	183.9633	ene	20	29.800	82	80	84	c	st cu	e	6	25	2	ene
SWAN	193707112030	8.2	313		193707110900	-1.6146	186.3801	ene	8	29.860	79	80	85	bc	cu nb	e	9	25	1	e



Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
CUSHING	193707112100	26.5	228		193707111000	11.0917	192.5493	sse	11	29.700	84	82	83	c	cu	se	8	25	2	sse
DRAYTON	193707112100	23.6	228		193707111000	11.0213	192.4419	e	16	29.710	84	85	80	bc	st cu	e	7	30	3	e
LAMSON	193707112100	25.5	227		193707111000	11.0875	192.5140	se	16	30.060	85	80	82	bc	a cu	s	6	35	1	se
COLORAD	193707112130	13.2	351		193707111000	1.0167	187.4125	exn	22	29.710	83	79	84	bc	ci cu	ne	5	40	4	ne
ITASCA	193707112130	14.0	92		193707111000	-1.8773	184.1963	ene	20	29.800	79	79	84	cp	nb	exs	8	25	2	ene
SWAN	193707112130	8.2	313		193707111000	-1.5208	186.2812	ne	14	29.720	77	79	85	q	cu nb	e	8	25	1	e
CUSHING	193707112200	26.5	228		193707111100	10.7958	192.2162	se	11	29.700	86	86	82	c	cu	se	9	25	4	se
DRAYTON	193707112200	23.6	228		193707111100	10.7565	192.1458	e	16	29.690	85	84	80	bc	st cu	e	5	35	3	e
LAMSON	193707112200	25.5	227		193707111100	10.7979	192.1964	se	16	30.050	85	80	82	bc	ci cu	s	7	35	1	se
COLORAD	193707112218	13.2	351	c/s	193707111048	1.1900	187.3842		0	0.000	0	0	0				0	0	0	
COLORAD	193707112230	13.2	351		193707111100	1.2333	187.3771	exs	25	29.710	83	79	84	bc	ci cu	e	4	45	4	e
ITASCA	193707112230	14.0	92		193707111100	-1.8845	184.4294	e	20	29.800	79	78	84	o	a cu	exs	10	20	2	e
SWAN	193707112230	8.2	313		193707111100	-1.4271	186.1823	ne	12	29.780	81	81	85	q	cu nb	e	8	25	1	e
CUSHING	193707112300	23.8	228	fixx	193707111200	10.5000	191.8833	se	11	29.700	86	84	80	c	cu	se	9	25	4	se
DRAYTON	193707112300	23.1	226	fixx	193707111200	10.4917	191.8500	e	20	29.700	86	85	80	bc	st cu	e	4	35	2	e
ITASCA	193707112300	15.4	182	c/c	193707111130	-1.8881	184.5459		0	0.000	0	0	0				0	0	0	
LAMSON	193707112300	23.0	227	fixx	193707111200	10.5083	191.8792	sse	16	30.050	87	80	82	bc	ci cu	s	7	35	1	se
COLORAD	193707112330	14.3	350	fobs	193707111200	1.4500	187.3417	exs	24	29.700	83	79	84	bc	ci cu	e	4	50	4	e
ITASCA	193707112330	15.7	266	fixx	193707111200	-2.0167	184.5417	exs	16	29.800	84	80	84	bc	cu	exs	5	25	2	exs
SWAN	193707112330	7.0	316	fixx	193707111200	-1.3333	186.0833	ne	12	29.760	77	78	85	q	cu nb	e	7	25	1	e
CUSHING	193707112400	23.8	228		193707111300	10.2333	191.5846	s	11	29.670	87	84	81	c	cu	se	9	25	2	e
DRAYTON	193707112400	23.1	226		193707111300	10.2240	191.5680	e	16	29.670	89	87	80	c	st cu	s	8	30	3	e
LAMSON	193707112400	23.0	227		193707111300	10.2451	191.5970	se	11	30.040	86	81	82	bc	a cu	se	9	35	1	e
ITASCA	193707120020	15.7	266	c/c	193707111250	-2.2250	184.5392		0	0.000	0	0	0				0	0	0	
COLORAD	193707120030	14.3	350		193707111300	1.6846	187.3009	e	24	29.700	83	79	84	bc	ci cu	e	3	50	3	e
ITASCA	193707120030	15.7	266		193707111300	-2.2279	184.4957	e	16	29.780	85	81	84	bc	a cu	ene	2	25	2	ene
SWAN	193707120030	7.0	316		193707111300	-1.2500	186.0021	ne	12	29.740	78	78	85	q	nb	ne	8	25	4	ne
CUSHING	193707120100	23.8	228		193707111400	9.9667	191.2861	s	11	29.650	87	84	80	c	cu	se	9	25	2	e
DRAYTON	193707120100	23.1	226		193707111400	9.9563	191.2862	e	11	29.650	86	86	80	bc	st cu	s	6	30	3	e
LAMSON	193707120100	23.0	227		193707111400	9.9818	191.3150	se	11	30.010	85	80	82	bc	cu nb	se	9	16	1	e
COLORAD	193707120130	14.3	350		193707111400	1.9192	187.2602	e	21	29.680	83	79	84	bc	ci cu	e	2	50	3	e
ITASCA	193707120130	15.7	266		193707111400	-2.2454	184.2345	e	16	29.760	86	82	84	bc	st cu	ene	5	25	2	ene
SWAN	193707120130	7.0	316		193707111400	-1.1667	185.9208	ne	11	29.720	79	79	85	q	a st	ne	9	30	4	ne
CUSHING	193707120200	23.8	228		193707111500	9.7000	190.9879	s	11	29.630	86	83	80	qc	cu	se	9	25	2	e
DRAYTON	193707120200	23.1	226		193707111500	9.6885	191.0047	e	11	29.620	88	84	80	bc	st cu	s	7	30	3	e
LAMSON	193707120200	23.0	227		193707111500	9.7186	191.0333	se	11	29.990	85	81	82	bc	ci cu	se	8	20	1	e
COLORAD	193707120212	5.3	345	c/s	193707111442	2.0834	187.2317		0	0.000	0	0	0				0	0	0	
COLORAD	193707120227	14.3	350	c/s	193707111457	2.1048	187.2261		0	0.000	0	0	0				0	0	0	
COLORAD	193707120230	14.3	350		193707111500	2.1165	187.2240	e	21	29.670	84	80	84	bc	cu	e	3	50	3	e
ITASCA	193707120230	15.7	266		193707111500	-2.2630	183.9733	e	16	29.750	83	80	84	bcp	st cu	ene	5	20	2	ene
SWAN	193707120230	7.0	316		193707111500	-1.0833	185.8396	ne	14	29.710	80	80	85	q	a st	ne	6	38	4	ne
CUSHING	193707120300	23.8	228		193707111600	9.4333	190.6898	s	11	29.600	86	85	80	c	cu	se	9	25	2	e
DRAYTON	193707120300	23.1	226		193707111600	9.4208	190.7234	e	11	29.610	85	80	80	bc	cu nb	s	5	35	2	e
LAMSON	193707120300	23.8	227	c/s	193707111600	9.4553	190.7517	se	11	29.970	85	81	81	bc	cu	se	9	25	1	e
COLORAD	193707120330	14.3	350		193707111600	2.3511	187.1833	e	21	29.660	84	79	84	bc	cu	e	4	50	3	e
ITASCA	193707120330	15.7	266		193707111600	-2.2806	183.7120	e	16	29.750	85	81	84	cp	st cu	ene	7	20	2	ene
SWAN	193707120330	7.0	316		193707111600	-1.0000	185.7583	ne	16	29.700	82	82	85	bc	a cu	ne	4	40	4	ne
CUSHING	193707120400	23.8	228		193707111700	9.1667	190.3921	s	16	29.600	83	83	82	c	ci st	se	9	20	2	e
DRAYTON	193707120400	23.1	226		193707111700	9.1531	190.4422	e	11	29.600	81	80	80	bc	cu nb	s	7	35	2	e
LAMSON	193707120400	23.8	227		193707111700	9.1832	190.4604	e	11	29.960	83	79	81	cq	st cu	s	8	20	1	e
COLORAD	193707120430	14.3	350		193707111700	2.5857	187.1425	e	21	29.620	84	80	84	bc	cu	e	4	50	3	e
ITASCA	193707120430	15.7	266		193707111700	-2.2981	183.4508	e	16	29.750	85	81	84	c	st cu	ene	9	25	2	ene
SWAN	193707120430	7.0	316		193707111700	-0.9167	185.6771	ne	16	29.720	82	82	85	bc	a cu	ne	4	40	3	ne
COLORAD	193707120451	14.3	352	c/c	193707111721	2.6678	187.1283		0	0.000	0	0	0				0	0	0	
CUSHING	193707120500	23.8	228		193707111800	8.9000	190.0945	s	16	29.600	86	85	82	c	cu	se	9	20	3	e
DRAYTON	193707120500	23.1	226		193707111800	8.8854	190.1613	e	11	29.620	85	82	80	q	cu nb	s	7	25	2	e
LAMSON	193707120500	23.8	227		193707111800	8.9110	190.1692	e	11	29.980	84	80	82	cq	st cu	s	8	20	1	e
COLORAD	193707120530	14.3	352		193707111800	2.8208	187.1070	ene	14	29.660	83	80	84	bc	cu	ene	4	50	2	ene
ITASCA	193707120530	15.7	266		193707111800	-2.3157	183.1896	e	11	29.770	84	81	84	cp	st cu	ene	8	20	2	ene
LEX	193707120530	19.0	228	c/cs	193707111900	0.0000	0.0000	066	22	29.840	85	84	84	c	st cu	e	6	30	2	e
SWAN	193707120530	7.0	316		193707111800	-0.8333	185.5958	ne	16	29.740	82	82	85	bc	a cu	ne	3	40	3	ne
CUSHING	193707120600	23.8	228		193707111900	8.6333	189.7971	s	16	29.600	83	81	82	c	cu	ese	9	20	3	e
DRAYTON	193707120600	23.1	226		193707111900	8.6177	189.8806	e	11	29.630	82	80	80	c	st cu	s	7	18	2	e

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
LAMSON	193707120600	23.8	227		193707111900	8.6388	189.8782	e	11	29.970	81	79	81	cq	st cu	s	8	20	1	e
COLORAD	193707120630	14.3	352		193707111900	3.0562	187.0744	ene	14	29.660	83	81	84	bc	cu	ene	4	45	2	ene
ITASCA	193707120630	0.7	269	c/cs	193707111900	-2.3332	182.9283	ene	11	29.770	82	80	84	cp	st cu	ene	8	20	2	ene
LEX	193707120630	18.9	228	fixx	193707112000	9.7500	190.6833	069	21	29.830	88	88	83	bc	ci cu	e	7	30	2	e
SWAN	193707120630	7.0	316		193707111900	-0.7500	185.5146	ne	16	29.740	82	82	85	bc	a cu	ne	3	25	3	ne
CUSHING	193707120700	22.4	226	fixx	193707112000	8.3667	189.5000	s	16	29.650	86	81	82	c	cu	se	9	25	3	e
DRAYTON	193707120700	24.3	228	fixx	193707112000	8.3500	189.6000	e	11	29.660	81	79	80	c	st cu	s	7	18	2	e
LAMSON	193707120700	20.7	226	fixx	193707112000	8.3667	189.5875	e	11	29.980	81	79	82	cq	st cu	s	8	20	1	e
LEX	193707120718	18.9	228	c/c	193707112048	9.5842	190.4910		0	0.000	0	0	0				0	0	0	
COLORAD	193707120730	13.3	358	fixx	193707112000	3.2917	187.0417	ene	14	29.680	83	81	85	bc	cu	ene	4	20	2	ene
ITASCA	193707120730	0.8	259	fixx	193707112000	-2.3333	182.9167	ene	16	29.780	82	80	84	cp	st cu	ene	7	20	2	ene
LEX	193707120730	18.9	228		193707112100	9.5419	190.4437	072	23	29.850	87	88	83	bc	ci cu	e	7	30	2	e
SWAN	193707120730	5.9	263	radm	193707112000	-0.6667	185.4333	ne	16	29.750	82	82	85	bc	a cu	ne	4	10	3	ne
CUSHING	193707120800	22.4	226		193707112100	8.1093	189.2275	se	16	29.650	85	82	82	qc	cu	se	9	10	3	e
DRAYTON	193707120800	24.3	228		193707112100	8.0768	189.2986	e	16	29.660	81	78	80	bc	st cu	s	4	16	2	e
LAMSON	193707120800	20.7	226		193707112100	8.1250	189.3381	se	11	30.000	81	79	82	cq	st cu	s	4	20	1	e
COLORAD	193707120830	13.3	358		193707112100	3.5129	187.0348	ene	14	29.700	83	82	85	bc	cu	ene	3	20	2	ene
ITASCA	193707120830	0.8	259		193707112100	-2.3358	182.9041	ene	16	29.810	82	80	84	bc	st cu	ene	4	20	2	ene
LEX	193707120830	18.9	228		193707112200	9.3305	190.2072	071	23	29.850	82	83	83	bc	st cu	e	2	25	2	e
SWAN	193707120830	5.9	263		193707112100	-0.6792	185.3361	ne	16	29.770	82	82	85	bc	a cu	ne	4	10	3	ne
CUSHING	193707120900	22.4	226		193707112200	7.8520	188.9551	se	16	29.660	81	81	82	c	cu	se	9	10	3	e
DRAYTON	193707120900	24.3	228		193707112200	7.8036	188.9974	e	16	29.680	81	80	80	bc	st cu	s	10	14	2	e
LAMSON	193707120900	20.7	226		193707112200	7.8834	189.0888	se	11	30.000	81	79	82	cq	st cu	se	4	15	1	e
COLORAD	193707120930	13.3	358		193707112200	3.7342	187.0279	ene	15	29.700	83	82	85	bc	cu	ene	4	20	2	ene
ITASCA	193707120930	0.8	259		193707112200	-2.3382	182.8915	ene	16	29.810	82	80	84	bc	st cu	ene	3	20	2	ene
LEX	193707120930	18.9	228		193707112300	9.1191	189.9709	080	25	29.850	82	83	83	bc	cu nb	e	6	25	2	e
SWAN	193707120930	5.9	263		193707112200	-0.6917	185.2389	se	16	29.780	82	82	85	bc	a cu	ne	4	10	3	ne
CUSHING	193707121000	22.4	226		193707112300	7.5946	188.6829	ne	20	29.660	81	81	84	c	cu	se	9	10	3	e
DRAYTON	193707121000	24.3	228		193707112300	7.5304	188.6965	e	16	29.670	81	79	81	bc	st cu	s	7	14	2	e
LAMSON	193707121000	20.7	226		193707112300	7.6418	188.8397	se	11	30.020	81	79	82	bc	cu	se	5	15	1	e
ITASCA	193707121015	16.8	267	c/cs	193707112245	-2.3400	182.8820		0	0.000	0	0	0				0	0	0	
COLORAD	193707121030	13.3	358		193707112300	3.9555	187.0210	ene	20	29.700	83	82	85	bc	st cu	ene	5	20	2	ene
ITASCA	193707121030	16.8	267		193707112300	-2.3441	182.8122	ene	16	29.810	82	80	84	bc	st cu	ene	3	20	2	ene
LEX	193707121030	18.9	228		193707112400	8.9077	189.7347	090	29	29.840	81	83	83	c	st cu	e	9	25	2	e
SWAN	193707121030	5.9	263		193707112300	-0.7042	185.1417	ne	14	29.760	82	82	85	bc	a cu	ne	5	10	3	ne
CUSHING	193707121100	22.4	226		193707112400	7.3373	188.4108	se	20	29.660	82	81	83	c	cu	se	9	10	3	e
DRAYTON	193707121100	24.3	228		193707112400	7.2572	188.3957	e	16	29.670	80	79	81	bc	acu	s	7	14	2	e
LAMSON	193707121100	20.7	226		193707112400	7.4001	188.5907	se	11	30.020	81	79	82	bc	cu nb	se	5	15	1	e
COLORAD	193707121130	13.3	358		193707112400	4.1768	187.0141	ene	20	29.700	83	83	85	bc	st cu	ene	4	20	2	ene
ITASCA	193707121130	16.8	267		193707112400	-2.3605	182.5331	ene	16	29.800	82	80	84	bc	st cu	ene	2	20	2	ne
LEX	193707121130	18.9	228		193707120100	8.6963	189.4987	127	25	29.840	80	81	83	c	st cu	e	9	20	2	e
SWAN	193707121130	5.9	263		193707112400	-0.7167	185.0445	ne	14	29.760	82	82	85	bc	a cu	ne	4	10	3	ne
CUSHING	193707121200	22.4	226		193707120100	7.0799	188.1389	se	11	29.620	81	81	82	or	cu nb	se	10	10	2	se
DRAYTON	193707121200	24.3	228		193707120100	6.9840	188.0951	s	20	29.640	80	80	81	r	nb	se	10	10	3	se
LAMSON	193707121200	20.7	226		193707120100	7.1585	188.3418	sse	16	29.980	80	79	82	qr	nb	s	10	3	1	e
COLORAD	193707121230	13.3	358		193707120100	4.3981	187.0072	ne	20	29.670	82	80	85	bc	ci	ne	3	30	3	ne
ITASCA	193707121230	16.8	267		193707120100	-2.3769	182.2540	ene	16	29.790	82	80	84	bc	ci cu		4	20	2	ne
LEX	193707121230	18.9	228		193707120200	8.4850	189.2628	076	22	29.820	80	81	83	c	st cu	e	9	20	2	e
SWAN	193707121230	5.9	263		193707120100	-0.7292	184.9472	ne	14	29.780	82	82	85	bc	a cu	ne	4	1	3	ne
CUSHING	193707121300	17.4	226	c/s	193707120200	6.8226	187.8672	se	11	29.600	81	81	81	or	cu nb	se	10	10	2	se
DRAYTON	193707121300	19.3	227	c/s	193707120200	6.7108	187.7946	s	20	29.650	81	80	81	r	nb	se	10	10	3	se
LAMSON	193707121300	15.7	225	c/s	193707120200	6.9168	188.0930	se	16	29.950	80	79	82	p	nb	s	8	6	1	e
COLORAD	193707121330	13.3	358		193707120200	4.6194	187.0004	ne	20	29.670	82	80	85	bc	ci	ne	3	30	3	ne
ITASCA	193707121330	16.8	267		193707120200	-2.3933	181.9748	ene	16	29.780	82	80	84	bc	ci cu	ene	3	20	2	ne
LEX	193707121330	18.9	228		193707120300	8.2736	189.0270	068	19	29.810	81	81	83	c	st cu	e	8	20	2	e
SWAN	193707121330	5.9	263		193707120200	-0.7417	184.8500	ne	14	29.750	82	82	85	bc	a cu	ne	3	10	3	ne
CUSHING	193707121400	17.4	226		193707120300	6.6210	187.6579	se	11	29.600	81	81	80	oq	cu nb	se	10	10	2	se
DRAYTON	193707121400	19.3	227		193707120300	6.4934	187.5567	s	20	29.620	82	81	79	c	st cu	se	10	10	3	se
LAMSON	193707121400	15.7	225		193707120300	6.7310	187.9068	se	11	29.940	80	79	82	bc	cu nb	s	6	15	1	e
COLORAD	193707121430	13.3	358		193707120300	4.8406	186.9935	ne	21	29.670	82	81	85	bcp	ci st	ne	4	30	3	ne
ITASCA	193707121430	16.8	267		193707120300	-2.4097	181.6957	ene	16	29.790	82	79	84	bc	ci cu	ene	2	20	2	ne
LEX	193707121430	18.9	228		193707120400	8.0622	188.7913	095	18	29.780	79	80	84	c	nb	e	10	10	2	e
SWAN	193707121430	5.9	263		193707120300	-0.7542	184.7528	ne	14	29.740	82	82	85	bc	a st	ne	2	10	3	ne

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
CUSHING	193707121500	17.4	226		193707120400	6.4194	187.4487	se	11	29.600	81	81	83	r	cu	se	10	15	2	se
DRAYTON	193707121500	19.3	227		193707120400	6.2760	187.3188	s	16	29.630	82	81	79	d	nb	se	10	10	3	se
LAMSON	193707121500	15.7	225		193707120400	6.5451	187.7205	se	11	29.940	80	79	82	bc	cu	s	8	15	1	e
COLORAD	193707121530	13.3	358		193707120400	5.0619	186.9866	ese	23	29.660	80	78	85	bc	ci	ese	3	40	1	ne
ITASCA	193707121530	16.8	267		193707120400	-2.4261	181.4166	ene	16	29.780	82	79	84	bc	cu	ene	2	20	2	ne
LEX	193707121530	18.9	228		193707120500	7.8508	188.5558	065	19	29.780	80	80	84	or	nb	sw	10	10	2	e
SWAN	193707121530	5.9	263		193707120400	-0.7667	184.6556	ne	14	29.740	82	82	85	bc	a st	ne	2	10	3	ne
CUSHING	193707121600	17.4	226		193707120500	6.2178	187.2396	se	11	29.580	80	80	83	bcq	cu nb	se	4	15	2	se
DRAYTON	193707121600	19.3	227		193707120500	6.0585	187.0811	s	16	29.630	82	81	81	od	cu nb	se	10	10	3	se
LAMSON	193707121600	15.7	225		193707120500	6.3592	187.5344	e	11	29.950	80	78	82	c	st cu	se	8	15	1	e
COLORAD	193707121630	13.3	358		193707120500	5.2832	186.9798	sse	27	29.660	81	80	85	bc	ci st	sse	5	40	1	ne
ITASCA	193707121630	16.8	267		193707120500	-2.4425	181.1374	ene	16	29.780	82	80	84	bc	a cu	ene	2	20	2	nexe
LEX	193707121630	18.9	228		193707120600	7.6394	188.3204	065	18	29.780	80	80	84	or	cu nb	sw	10	10	1	ne
SWAN	193707121630	5.9	263		193707120500	-0.7792	184.5583	ne	12	29.720	82	82	85	bc	a cu	ne	2	10	1	ne
CUSHING	193707121700	17.4	226		193707120600	6.0162	187.0306	se	11	29.580	80	80	83	bc	ci cu	se	5	15	2	se
DRAYTON	193707121700	19.3	227		193707120600	5.8411	186.8434	s	16	29.630	83	82	81	c	cu nb	se	8	20	3	se
LAMSON	193707121700	15.7	225		193707120600	6.1733	187.3483	e	11	29.940	80	78	82	cq	nb	e	8	15	1	e
COLORAD	193707121730	13.3	358		193707120600	5.5045	186.9729	sse	27	29.660	82	81	85	bc	a cu	sse	7	40	4	ne
ITASCA	193707121730	16.8	267		193707120600	-2.4589	180.8583	ene	16	29.780	82	79	84	bc	cu	ene	2	20	2	nexe
LEX	193707121730	18.9	228		193707120700	7.4280	188.0852	070	18	29.800	80	80	84	or	cu nb	sw	10	15	1	ne
SWAN	193707121730	5.9	263		193707120600	-0.7917	184.4611	ne	12	29.720	82	82	85	bc	a cu	ne	3	15	1	ne
DRAYTON	193707121747	18.6	159	c/c	193707120647	5.6708	186.6573		0	0.000	0	0	0				0	0	0	
CUSHING	193707121749	18.4	153	c/c	193707120649	5.8516	186.8599		0	0.000	0	0	0				0	0	0	
DRAYTON	193707121757	18.3	144	c/c	193707120657	5.6227	186.6763		0	0.000	0	0	0				0	0	0	
COLORAD	193707121800	6.3	2	c/s	193707120630	5.6151	186.9695		0	0.000	0	0	0				0	0	0	
CUSHING	193707121800	18.4	153		193707120700	5.8016	186.8861	se	11	29.580	80	80	83	bc	ci cu	se	5	15	2	se
DRAYTON	193707121800	18.3	144		193707120700	5.6103	186.6853	s	20	29.620	80	79	81	c	cu nb	se	8	20	3	se
LAMSON	193707121800	15.7	225		193707120700	5.9875	187.1623	e	16	29.960	81	79	82	cq	nb	e	8	15	1	e
COLORAD	193707121802	7.1	49	c/c	193707120632	5.6186	186.9696		0	0.000	0	0	0				0	0	0	
DRAYTON	193707121805	16.7	45	c/c	193707120635	5.5898	186.7004		0	0.000	0	0	0				0	0	0	
COLORAD	193707121830	7.1	49		193707120700	5.6551	187.0111	ene	21	29.660	81	80	85	bc	a cu	ene	7	35	4	ne
ITASCA	193707121830	16.8	267		193707120700	-2.4753	180.5791	ene	16	29.790	82	79	84	bc	cu	ene	2	20	2	nexe
LEX	193707121830	21.0	225	fixx	193707120800	7.2167	187.8500	063	25	29.800	80	80	84	oq	cu nb		10	15	1	ne
SWAN	193707121830	5.9	263		193707120700	-0.8042	184.3639	ne	8	29.740	82	82	85	bc	cu nb	ne	5	20	1	ne
LAMSON	193707121845	8.2	48	c/cs	193707120715	5.8481	187.0228		0	0.000	0	0	0				0	0	0	
CUSHING	193707121850	7.6	46	c/cs	193707120720	5.5743	187.0049		0	0.000	0	0	0				0	0	0	
COLORAD	193707121930	5.5	39	fobs	193707120800	5.7333	187.1000	ese	21	29.700	81	79	85	bq	cu nb	ene	9	35	4	ne
CUSHING	193707121930	11.8	40	fixx	193707120800	5.6333	187.0653	se	16	29.640	81	81	83	bc	a cu	se	5	15	2	se
DRAYTON	193707121930	8.0	48	fixx	193707120800	5.8667	186.9833	s	24	29.670	80	79	81	cp	cu nb	se	8	20	3	se
ITASCA	193707121930	14.6	266	fixx	193707120800	-2.4917	180.3000	ene	16	29.790	84	80	84	bc	cu	ene	2	25	2	ene
LAMSON	193707121930	6.2	40	fixx	193707120800	5.9167	187.1000	e	16	29.980	80	78	83	cq	st cu	e	8	20	1	e
LEX	193707121930	21.0	225		193707120900	6.9681	187.6008	060	19	29.820	80	80	84	oa	nb		10	10	4	
SWAN	193707121930	9.9	256	fixx	193707120800	-0.8167	184.2667	ne	8	29.740	83	83	85	bc	a cu	ne	4	25	1	ne
DRAYTON	193707121934	8.0	48	c/s	193707120804	5.8813	186.9986		0	0.000	0	0	0				0	0	0	
COLORAD	193707122030	5.5	39		193707120900	5.8042	187.1583	ese	18	29.720	81	79	85	cq	cu nb	ene	8	30	4	ne
CUSHING	193707122030	11.8	40		193707120900	5.7845	187.1914	ese	20	29.650	81	81	83	bc	a cu	se	8	15	2	se
DRAYTON	193707122030	8.0	48		193707120900	5.9648	187.0909	e	24	29.700	78	78	81	cr	nb	se	8	20	3	e
ITASCA	193707122030	14.6	266		193707120900	-2.5070	180.0561	ene	16	29.800	84	81	84	bc	cu	ene	2	25	2	nexe
LAMSON	193707122030	6.2	40		193707120900	5.9958	187.1659	e	16	30.000	80	78	83	cq	cu nb	e	8	20	1	ne
LEX	193707122030	21.0	225		193707121000	6.7195	187.3517	100	25	29.820	79	81	84	orf	fog		10	5	4	
SWAN	193707122030	9.9	256		193707120900	-0.8553	184.1067	ne	8	29.740	84	84	85	bc	ci cu	ne	3	30	1	ne
LEX	193707122044	2.2	206	c/s	193707121014	6.6615	187.2936		0	0.000	0	0	0				0	0	0	
CUSHING	193707122045	10.4	238	c/cs	193707120915	5.8223	187.2230		0	0.000	0	0	0				0	0	0	
LEX	193707122045	20.0	225	c/s	193707121015	6.6610	187.2933		0	0.000	0	0	0				0	0	0	
CUSHING	193707122051	11.4	237	c/s	193707120921	5.8130	187.2083		0	0.000	0	0	0				0	0	0	
LAMSON	193707122056	5.7	40	c/s	193707120926	6.0300	187.1945		0	0.000	0	0	0				0	0	0	
COLORAD	193707122130	5.5	39		193707121000	5.8750	187.2167	e	19	29.720	80	78	85	cq	cu nb	e	9	20	4	n
CUSHING	193707122130	11.4	237		193707121000	5.7465	187.1040	ese	24	29.660	80	78	83	oq	cu nb	ese	10	20	4	se
DRAYTON	193707122130	8.0	48		193707121000	6.0543	187.1897	e	24	29.690	80	78	82	cp	cu nb	se	8	20	3	e
ITASCA	193707122130	14.6	266		193707121000	-2.5224	179.8122	ene	16	29.800	84	81	84	bc	ci cu	e	3	25	2	nexe
LAMSON	193707122130	5.7	40		193707121000	6.0712	187.2288	e	16	30.000	80	79	83	cq	cu nb	e	8	15	1	ne
LEX	193707122130	20.0	225		193707121100	6.4830	187.1158	080	24	29.820	78	79	84	oq	nb		10	15	4	
SWAN	193707122130	9.9	256		193707121000	-0.8940	183.9467	ne	8	29.750	85	85	85	bc	ci cu	ne	3	35	1	ne

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
COLORAD	193707122230	5.5	39		193707121100	5.9458	187.2750	e	19	29.720	79	77	85	oq	cu nb	e	10	20	4	n
CUSHING	193707122230	11.4	237		193707121100	5.6441	186.9437	ese	24	29.660	82	79	83	op	cu nb	ese	10	25	4	ese
DRAYTON	193707122230	8.0	48		193707121100	6.1438	187.2886	e	24	29.680	79	78	82	op	cu nb	se	10	25	3	e
ITASCA	193707122230	14.6	266		193707121100	-2.5377	179.5684	e	16	29.800	86	82	84	bc	a cu	e	4	25	2	ene
LAMSON	193707122230	5.7	40		193707121100	6.1440	187.2894	e	16	30.000	79	76	83	cq	cu nb	ne	8	10	1	ne
LEX	193707122230	18.7	227	fixx	193707121200	6.2458	186.8792	085	22	29.820	80	80	84	o	st cu		10	20	4	
SWAN	193707122230	9.9	256		193707121100	-0.9327	183.7867	ne	6	29.750	86	86	85	bc	ci cu	ne	3	40	1	ne
ITASCA	193707122237	10.6	266	c/s	193707121107	-2.5395	179.5399		0	0.000	0	0	0				0	0	0	
COLORAD	193707122330	5.9	44	fixx	193707121200	6.0167	187.3333	e	19	29.710	80	78	85	oq	cu nb	e	10	20	4	
CUSHING	193707122330	15.3	230	fixx	193707121200	5.5417	186.7833	ese	24	29.640	84	80	83	op	cu nb	ese	10	25	4	ese
DRAYTON	193707122330	6.4	52	fixx	193707121200	6.2333	187.3875	e	24	29.680	80	79	82	op	cu nb	se	10	20	3	e
ITASCA	193707122330	13.0	264	fixx	193707121200	-2.5500	179.3833	exn	16	29.790	86	82	84	bc	cu	e	4	25	2	exs
LAMSON	193707122330	21.0	229	fixx	193707121200	6.2167	187.3500	ne	16	29.980	80	78	84	cq	cu nb	ne	8	10	1	ne
LEX	193707122330	18.7	227		193707121300	6.0333	186.6498	095	19	29.820	81	81	84	or	cu nb		10	20	4	e
SWAN	193707122330	9.9	256		193707121200	-0.9713	183.6267	ne	6	29.740	86	86	85	bc	ci cu	ne	2	40	1	ne
LAMSON	193707122338	21.0	229	c/cs	193707121208	6.2237	187.3624		0	0.000	0	0	0				0	0	0	
COLORAD	193707130030	5.9	44		193707121300	6.0877	187.4020	e	19	29.690	79	78	85	oq	cu nb	e	10	20	4	ene
CUSHING	193707130030	15.3	230		193707121300	5.3767	186.5872	se	7	29.610	86	82	82	c	cu	ese	8	25	4	ese
DRAYTON	193707130030	6.4	52		193707121300	6.2990	187.4710	e	20	29.660	80	79	82	op	cu nb	se	10	20	3	e
ITASCA	193707130030	13.0	264		193707121300	-2.5735	179.1677	ene	16	29.780	86	82	84	c	a cu	e	6	25	2	exs
LAMSON	193707130030	21.0	229		193707121300	6.0262	187.1302	s	11	29.990	72	72	84	cq	ci cu	s	8	20	1	ne
LEX	193707130030	18.7	227		193707121400	5.8208	186.4206	071	16	29.790	80	80	84	o	st cu		10	20	4	e
SWAN	193707130030	9.9	256		193707121300	-1.0100	183.4667	e	8	29.740	87	87	85	bc	a cu	e	4	45	1	e
COLORAD	193707130130	5.9	44		193707121400	6.1588	187.4707	e	19	29.670	80	79	85	oq	cu nb	e	9	20	4	ne
CUSHING	193707130130	15.3	230		193707121400	5.2117	186.3910	se	7	29.580	87	83	82	c	st cu	se	8	25	4	se
DRAYTON	193707130130	6.4	52		193707121400	6.3646	187.5546	e	30	29.640	81	80	82	op	cu nb	se	10	20	3	e
ITASCA	193707130130	13.0	264		193707121400	-2.5971	178.9520	ene	11	29.760	87	83	84	c	a cu	e	6	25	2	exs
LAMSON	193707130130	21.0	229		193707121400	5.7984	186.8623	s	11	29.940	81	79	84	c	cu	s	10	20	1	ne
LEX	193707130130	18.7	227		193707121500	5.6083	186.1914	075	24	29.780	80	81	84	o	cu nb		10	18	4	e
SWAN	193707130130	9.9	256		193707121400	-1.0487	183.3067	e	8	29.710	92	91	85	bc	a cu	e	4	45	1	e
ITASCA	193707130200	13.0	264		1193707121400	-2.6088	178.8441		0	0.000	0	0	0				0	0	0	
COLORAD	193707130230	5.9	44		193707121500	6.2298	187.5394	e	19	29.620	82	78	84	oq	cu nb	e	9	20	4	ne
CUSHING	193707130230	15.3	230		193707121500	5.0468	186.1950	se	7	29.560	85	82	82	c	st cu	se	8	25	4	se
DRAYTON	193707130230	6.4	52		193707121500	6.4303	187.6382	e	30	29.600	82	79	82	op	cu nb	se	10	20	3	e
LAMSON	193707130230	21.0	229		193707121500	5.5705	186.5944	s	11	29.930	82	80	84	c	cu	s	10	20	1	ne
LEX	193707130230	18.7	227		193707121600	5.3958	185.9623	060	17	29.750	81	81	84	o	st cu		10	20	4	e
SWAN	193707130230	9.9	256		193707121500	-1.0873	183.1467	e	8	29.700	94	96	85	bc	a cu	e	3	45	1	e
ITASCA	193707130300	13.0	264		193707121500	-2.6324	178.6284	ene	11	29.740	87	82	84	c	cu	e	6	25	2	exs
DRAYTON	193707130314	7.3	51	c/s	193707121544	6.4784	187.6995		0	0.000	0	0	0				0	0	0	
COLORAD	193707130319	5.9	8	c/c	193707121549	6.2878	187.5956		0	0.000	0	0	0				0	0	0	
DRAYTON	193707130320	22.7	221	c/cs	193707121550	6.4861	187.7090		0	0.000	0	0	0				0	0	0	
COLORAD	193707130328	12.9	45	c/cs	193707121558	6.3023	187.5976		0	0.000	0	0	0				0	0	0	
COLORAD	193707130330	12.9	45		193707121600	6.3074	187.6027	e	19	29.640	82	78	84	cq	cu nb	e	9	20	4	ne
CUSHING	193707130330	15.3	230		193707121600	4.8818	185.9989	se	7	29.550	85	82	83	c	st cu	se	8	25	4	se
DRAYTON	193707130330	22.7	221		193707121600	6.4386	187.6672	e	20	29.600	85	82	83	c	st cu	se	8	25	3	e
LAMSON	193707130330	21.0	229		193707121600	5.3427	186.3267	s	11	29.930	83	80	84	c	cu	s	10	20	1	ne
LEX	193707130330	19.5	223	met	1193707121600	5.1833	185.7333		0	0.000	0	0	0				0	0	0	
SWAN	193707130330	9.9	256		193707121600	-1.1260	182.9867	e	8	29.680	97	99	85	bc	a cu	e	3	45	1	e
LAMSON	193707130335	20.5	229	c/s	193707121605	5.3237	186.3044		0	0.000	0	0	0				0	0	0	
CUSHING	193707130400	16.1	229	c/cs	193707121630	4.7993	185.9010		0	0.000	0	0	0				0	0	0	
ITASCA	193707130400	13.0	264		193707121600	-2.6559	178.4128	ene	11	29.750	87	82	84	c	cu	e	6	25	2	exs
COLORAD	193707130430	12.9	45		193707121700	6.4597	187.7561	ene	22	29.640	82	78	84	c	cu	ene	7	25	4	ne
CUSHING	193707130430	16.1	229		193707121700	4.7108	185.7992	sse	7	29.570	81	80	83	c	st cu	nw	7	15	3	ese
DRAYTON	193707130430	22.7	221		193707121700	6.1536	187.4161	e	20	29.560	87	82	82	bc	st cu	se	5	25	3	e
LAMSON	193707130430	20.5	229		193707121700	5.1192	186.0653	s	11	29.930	83	80	84	c	cu nb	s	10	20	1	ne
LEX	193707130430	19.5	223		193707121700	4.9466	185.5086	083	19	29.750	84	82	84	o	st cu		10	20	4	e
SWAN	193707130430	9.9	256		193707121700	-1.1647	182.8267	e	8	29.690	98	100	85	bc	a cu	e	4	45	1	e
ITASCA	193707130500	13.0	264		193707121700	-2.6794	178.1971	ene	11	29.740	86	81	84	bc	a cu	e	3	25	2	exs
COLORAD	193707130530	12.9	45		193707121800	6.6120	187.9096	ene	22	29.670	82	78	84	c	ci cu	ene	8	25	5	ne
CUSHING	193707130530	16.1	229		193707121800	4.5338	185.5958	sse	7	29.590	83	82	83	c	st cu	nw	8	20	3	ese
DRAYTON	193707130530	21.7	221	c/s	193707121800	5.8686	187.1651	ene	20	29.600	85	82	81	bc	st cu	e	5	25	3	ene
LAMSON	193707130530	20.5	229		193707121800	4.8961	185.8046	s	11	29.940	83	79	84	c	cu nb	s	10	25	1	ne
LEX	193707130530	19.5	223		193707121800	4.7098	185.2840	095	23	29.750	82	82	84	cp	cu nb		10	20	4	e

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
SWAN	193707130530	9.9	256		193707121800	-1.2033	182.6667	e	8	29.700	88	89	85	bc	a cu	e	2	40	1	e
ITASCA	193707130600	13.0	264		193707121800	-2.7029	177.9814	ene	11	29.740	86	81	84	bc	a cu	e	3	25	2	exs
DRAYTON	193707130612	19.7	221	c/s	193707121842	5.6776	186.9976		0	0.000	0	0	0				0	0	0	
COLORAD	193707130630	12.9	45		193707121900	6.7643	188.0631	ene	19	29.680	82	78	84	c	ci cu	ene	8	25	5	ne
CUSHING	193707130630	16.1	229		193707121900	4.3568	185.3924	sse	7	29.580	83	82	83	c	st cu	nw	9	20	3	ese
DRAYTON	193707130630	19.8	215	c/c	193707121900	5.6031	186.9326	ene	20	29.620	84	80	82	bc	st cu	e	8	20	3	ene
LAMSON	193707130630	20.5	229		193707121900	4.6731	185.5439	s	11	29.940	83	80	84	c	cu nb	s	10	15	1	ne
LEX	193707130630	19.5	223		193707121900	4.4731	185.0595	077	18	29.760	82	81	84	o	st cu		10	20	4	e
LEX	193707130643	17.6	223	c/s	193707121913	4.4218	185.0109		0	0.000	0	0	0				0	0	0	
CUSHING	193707130648	18.3	230	c/cs	193707121918	4.3037	185.3314		0	0.000	0	0	0				0	0	0	
ITASCA	193707130700	13.0	264		193707121900	-2.7265	177.7657	ene	11	29.770	84	80	84	bc	a cu	e	3	25	2	ese
SWAN	193707130700	9.9	256		193707121900	-1.2613	182.4267	e	8	29.730	85	85	85	bc	cu	e	2	10	1	e
COLORAD	193707130730	14.2	41	fdr	193707122000	6.9167	188.2167	ene	21	29.700	81	77	84	c	ci cu	ene	9	25	4	ne
CUSHING	193707130730	17.8	235	fixx	193707122000	4.1667	185.1667	sse	7	29.610	83	82	83	bc	cu nb	nw	7	15	3	ese
DRAYTON	193707130730	17.8	213	fixx	193707122000	5.3333	186.7417	ene	20	29.640	82	80	82	bc	st cu	e	8	20	3	ene
LAMSON	193707130730	21.5	236	fixx	193707122000	4.4500	185.2833	e	11	29.960	82	80	84	bc	st cu	se	7	10	1	e
LEX	193707130730	16.0	229	fixx	193707122000	4.2542	184.8542	070	24	29.770	82	81	84	o	st cu		10	20	4	e
CUSHING	193707130800	17.8	235	c/s	193707122030	4.0709	185.0322		0	0.000	0	0	0				0	0	0	
ITASCA	193707130800	1.3	249	fixx	193707122000	-2.7500	177.5500	ene	11	29.780	83	80	84	bc	a cu	e	2	25	2	ese
SWAN	193707130800	8.7	252	fixx	193707122000	-1.3000	182.2667	e	8	29.720	85	85	85	bc	cu	e	2	10	1	e
SWAN	193707130822	8.7	252	c/s	193707122022	-1.3183	182.2101		0	0.000	0	0	0				0	0	0	
COLORAD	193707130830	14.2	41		193707122100	7.0961	188.3727	ene	21	29.710	82	77	84	bc	cu	ene	6	25	4	ne
CUSHING	193707130830	17.8	235		193707122100	3.9854	184.9109	sse	7	29.630	80	80	83	oq	cu nb	nw	10	3	3	ese
DRAYTON	193707130830	17.8	213		193707122100	5.0847	186.5782	ene	20	29.660	82	80	82	bc	st cu	e	8	20	3	ene
LAMSON	193707130830	21.5	236		193707122100	4.2468	184.9866	e	11	29.960	80	78	81	cq	cu nb	se	9	8	1	e
LEX	193707130830	16.0	229		193707122100	4.0785	184.6532	071	24	29.780	82	81	85	c	cu nb		8	20	4	e
ITASCA	193707130900	1.3	249	c/s	193707122100	-2.7686	177.3291	ene	11	29.800	84	80	84	bc	a cu	ene	2	20	2	ese
SWAN	193707130900	8.7	252		193707122100	-1.3471	182.1227	e	6	29.760	84	84	85	bc	cu	e	2	10	1	e
LAMSON	193707130903	22.1	242	c/cs	193707122133	4.1351	184.8234		0	0.000	0	0	0				0	0	0	
COLORAD	193707130930	14.2	41		193707122200	7.2755	188.5288	ene	22	29.710	81	76	84	bc	cu	ene	8	20	4	ene
CUSHING	193707130930	17.8	235		193707122200	3.8144	184.6684	sse	7	29.630	80	80	83	oq	cu nb	nw	9	8	3	ese
DRAYTON	193707130930	17.8	213		193707122200	4.8361	186.4148	ene	20	29.660	82	80	82	bc	st cu	e	8	20	3	ene
LAMSON	193707130930	22.1	242		193707122200	4.0562	184.6777	e	11	29.960	80	78	84	cq	cu nb	se	9	8	1	e
LEX	193707130930	16.0	229		193707122200	3.9027	184.4524	091	26	29.790	82	81	85	c	cu nb		8	10	4	e
ITASCA	193707131000	1.3	249		193707122200	-2.7767	177.3082	ene	7	29.800	84	80	84	c			0	20	2	ese
SWAN	193707131000	8.7	252		193707122200	-1.3925	181.9845	e	6	29.760	84	84	85	bc	cu	e	2	10	1	e
COLORAD	193707131030	14.2	41		193707122300	7.4549	188.6850	ene	22	29.720	80	78	84	bc	cu	ene	2	25	4	ene
CUSHING	193707131030	17.8	235		193707122300	3.6435	184.4260	sse	7	29.630	80	80	82	cq	cu nb	nw	9	7	3	ese
DRAYTON	193707131030	17.8	213		193707122300	4.5875	186.2515	ene	20	29.640	82	80	82	bc	st cu	e	8	20	3	ene
LAMSON	193707131030	22.1	242		193707122300	3.8808	184.3539	e	11	29.960	81	79	84	cq	cu nb	se	9	8	1	e
LEX	193707131030	16.0	229		193707122300	3.7270	184.2515	075	22	29.790	80	81	85	c	cu nb		9	10	4	e
ITASCA	193707131100	1.3	249		193707122300	-2.7849	177.2873	ene	7	29.820	83	79	84	c			0	20	2	ese
SWAN	193707131100	8.7	252		193707122300	-1.4379	181.8464	e	6	29.740	83	84	85	bc	cu	e	2	10	1	e
COLORAD	193707131130	14.2	41		193707122400	7.6344	188.8412	ene	21	29.710	81	78	83	bc	cu	ene	2	25	4	ene
CUSHING	193707131130	17.8	235		193707122400	3.4725	184.1836	sse	7	29.630	80	80	82	cq	cu nb	nw	9	7	3	ese
DRAYTON	193707131130	17.8	213		193707122400	4.3389	186.0882	e	20	29.630	82	79	82	o	st cu	e	8	16	3	e
LAMSON	193707131130	22.1	242		193707122400	3.7054	184.0301	e	11	29.950	81	79	84	cq	cu nb	se	10	8	1	e
LEX	193707131130	16.0	229		193707122400	3.5513	184.0508	082	17	29.790	80	81	85	c	cu nb		9	10	4	e
ITASCA	193707131200	1.3	249		193707122400	-2.7930	177.2664	ene	7	29.810	83	79	84	c			0	20	2	ese
SWAN	193707131200	8.7	252		193707122400	-1.4833	181.7083	e	6	29.740	83	84	85	bc	cu	e	3	10	1	e
COLORAD	193707131230	14.2	41		193707130100	7.8138	188.9975	ene	21	29.700	81	76	83	bc	ci st	ene	2	30	2	ene
CUSHING	193707131230	17.8	235		193707130100	3.3015	183.9412	sse	7	29.630	81	81	82	cq	cu nb	nw	9	7	3	ese
DRAYTON	193707131230	17.8	213		193707130100	4.0903	185.9249	e	20	29.620	82	79	82	o	st cu	e	10	14	3	e
LAMSON	193707131230	22.1	241	c/c	193707130100	3.5300	183.7064	e	11	29.940	80	79	84	cp	ci cu	e	7	10	1	e
LEX	193707131230	16.0	229		193707130100	3.3756	183.8500	097	20	29.760	80	80	85	c	cu nb		9	10	4	
ITASCA	193707131300	1.3	249		193707130100	-2.8011	177.2455	ene	7	29.800	83	79	84	bc	cu	ene	2	20	1	ene
SWAN	193707131300	8.7	252		193707130100	-1.5287	181.5702	e	8	29.720	82	83	85	bc	ci cu	e	3	10	1	e
COLORAD	193707131330	14.2	41		193707130200	7.9932	189.1538	ene	22	29.690	81	76	83	bc	ci st	ene	3	30	2	ene
CUSHING	193707131330	17.8	235		193707130200	3.1305	183.6989	sse	11	29.610	81	81	82	c	cu nb	nw	7	10	3	ese
DRAYTON	193707131330	17.8	213		193707130200	3.8417	185.7617	e	20	29.600	82	79	82	op	cu nb	e	10	14	3	e
LAMSON	193707131330	22.1	241		193707130200	3.3491	183.3860	e	11	29.940	80	79	84	bc	ci cu	e	5	10	1	e
LEX	193707131330	16.0	229		193707130200	3.1999	183.6493	069	17	29.740	80	80	84	c	cu nb		9	15	4	
ITASCA	193707131400	1.3	249		193707130200	-2.8093	177.2246	nexe	7	29.790	83	79	84	bc	cu	e	3	20	1	ne

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
SWAN	193707131400	8.7	252		193707130200	-1.5741	181.4320	se	8	29.720	82	82	85	bc	a cu se	4	10	1	e	
COLORAD	193707131430	14.2	41		193707130300	8.1726	189.3102	e	21	29.670	81	76	83	bc	ci st e	3	30	2	ene	
CUSHING	193707131430	17.8	235		193707130300	2.9595	183.4567	sse	16	29.570	81	81	82	bc	cu nb nw	6	15	3	ese	
DRAYTON	193707131430	17.8	213		193707130300	3.5931	185.5986	e	20	29.580	81	82	80	op	cu nb e	10	14	3	e	
LAMSON	193707131430	22.1	241		193707130300	3.1681	183.0656	e	11	29.920	80	79	84	bc	ci cu e	5	10	1	e	
LEX	193707131430	16.0	229		193707130300	3.0242	183.4486	082	12	29.740	80	80	86	c	cu nb	8	15	4		
CUSHING	193707131500	18.9	245	c/cs	193707130330	2.8740	183.3356		0	0.000	0	0	0			0	0	0		
ITASCA	193707131500	1.3	249		193707130300	-2.8174	177.2037	ene	7	29.790	82	78	84	bc	ci st e	2	20	1	ene	
SWAN	193707131500	8.7	252		193707130300	-1.6196	181.2939	se	8	29.710	82	82	85	bc	a cu se	4	10	1	e	
CUSHING	193707131508	19.2	252	c/cs	193707130338	2.8563	183.2974		0	0.000	0	0	0			0	0	0		
CUSHING	193707131515	19.5	247	c/cs	193707130345	2.8446	183.2619		0	0.000	0	0	0			0	0	0		
COLORAD	193707131520	14.5	359	c/c	193707130350	8.3222	189.4406		0	0.000	0	0	0			0	0	0		
COLORAD	193707131527	14.2	41	c/c	193707130357	8.3504	189.4401		0	0.000	0	0	0			0	0	0		
COLORAD	193707131530	14.2	41		193707130400	8.3594	189.4479	e	20	29.670	81	76	83	bc	ci st e	4	30	2	ene	
CUSHING	193707131530	19.5	247		193707130400	2.8127	183.1869	sse	16	29.580	80	80	82	bc	cu nb nw	6	15	3	ese	
DRAYTON	193707131530	17.8	213		193707130400	3.3444	185.4354	e	20	29.570	80	79	82	c	st cu se	9	16	3	se	
LAMSON	193707131530	22.1	241		193707130400	2.9872	182.7452	e	11	29.920	80	79	83	bc	ci cu e	5	10	1	e	
LEX	193707131530	16.0	229		193707130400	2.8484	183.2480	099	20	29.730	81	80	84	bcz	cu nb	4	20	4		
CUSHING	193707131540	19.6	249	c/c	193707130410	2.7915	183.1369		0	0.000	0	0	0			0	0	0		
CUSHING	193707131557	19.6	250	c/c	193707130427	2.7581	183.0507		0	0.000	0	0	0			0	0	0		
ITASCA	193707131600	1.3	249		193707130400	-2.8255	177.1828	ene	7	29.780	82	78	84	bc	ci cu e	1	20	1	ene	
SWAN	193707131600	8.7	252		193707130400	-1.6650	181.1557	e	8	29.710	81	82	85	bc	a cu se	4	10	1	e	
COLORAD	193707131630	14.2	41		193707130500	8.5388	189.6044	e	20	29.700	81	76	83	bc	cu e	4	30	2	ene	
CUSHING	193707131630	19.6	250		193707130500	2.6962	182.8821	sse	16	29.580	81	81	82	bc	cu nb sw	4	15	4	ese	
DRAYTON	193707131630	17.8	213		193707130500	3.0958	185.2724	se	16	29.590	80	80	82	c	cu nb se	8	15	3	se	
LAMSON	193707131630	22.1	241		193707130500	2.8062	182.4249	e	11	29.920	81	78	83	bc	cu e	5	25	1	e	
LEX	193707131630	16.0	229		193707130500	2.6727	183.0474	082	17	29.740	81	80	84	bc	cu sw	3	20	4	ne	
CUSHING	193707131635	17.7	230	c/cs	193707130505	2.6868	182.8566		0	0.000	0	0	0			0	0	0		
ITASCA	193707131700	1.3	249		193707130500	-2.8336	177.1619	nexe	7	20.780	82	79	84	bc	ci st e	1	20	1	exs	
SWAN	193707131700	8.7	252		193707130500	-1.7104	181.0176	ese	6	29.720	82	82	85	c	st cu se	7	10	1	se	
ITASCA	193707131723	13.3	265	c/cs	193707130523	-2.8368	177.1539		0	0.000	0	0	0			0	0	0		
COLORAD	193707131730	14.2	41		193707130600	8.7182	189.7610	ne	21	29.690	80	76	83	bc	st cu ene	5	40	3	ne	
CUSHING	193707131730	17.7	230		193707130600	2.5128	182.6494	sse	16	29.580	81	80	82	bc	cu nb swse	5	20	4	ese	
DRAYTON	193707131730	17.8	213		193707130600	2.8472	185.1093	se	16	29.600	80	79	81	c	cu nb se	8	20	3	se	
LAMSON	193707131730	16.3	180	c/cs	193707130600	2.6252	182.1047	se	11	29.940	81	79	83	bc	cu e	8	25	1	e	
LEX	193707131730	16.0	229		193707130600	2.4970	182.8468	115	15	29.740	80	80	84	c	st cu sw	7	25	1	ne	
CUSHING	193707131745	11.1	138	c/cs	193707130615	2.4654	182.5928		0	0.000	0	0	0			0	0	0		
CUSHING	193707131749	17.1	137	c/s	193707130619	2.4562	182.6010		0	0.000	0	0	0			0	0	0		
ITASCA	193707131800	13.3	265		193707130600	-2.8482	177.0177	nexe	7	20.780	82	79	84	c	ci st e	8	20	1	exs	
SWAN	193707131800	8.7	252		193707130600	-1.7558	180.8794	ese	6	29.720	82	82	85	c	st cu se	7	15	1	se	
LEX	193707131806	17.6	181	c/cs	193707130636	2.3916	182.7265		0	0.000	0	0	0			0	0	0		
CUSHING	193707131807	17.8	184	c/c	193707130637	2.3936	182.6591		0	0.000	0	0	0			0	0	0		
ITASCA	193707131810	12.7	305	c/c	193707130610	-2.8513	176.9809		0	0.000	0	0	0			0	0	0		
COLORAD	193707131830	14.2	41		193707130700	8.8976	189.9177	ne	21	29.700	80	76	83	bc	ci cu ene	3	50	3	ne	
CUSHING	193707131830	17.8	184		193707130700	2.2799	182.6520	se	16	29.600	81	80	82	op	cu nb se	10	15	4	ese	
DRAYTON	193707131830	17.8	213		193707130700	2.5986	184.9463	se	16	29.610	81	80	81	bc	a cu se	5	35	3	se	
LAMSON	193707131830	16.3	180		193707130700	2.3543	182.1023	se	11	29.940	80	79	84	bc	cu nb e	10	25	1	e	
LEX	193707131830	17.6	181		193707130700	2.2740	182.7243	130	18	29.760	81	81	84	cp	st cu sw	9	25	1	ne	
ITASCA	193707131834	12.6	186	c/c	193707130634	-2.8032	176.9112		0	0.000	0	0	0			0	0	0		
COLORAD	193707131840	14.5	359	c/c	193707130710	8.9275	189.9438		0	0.000	0	0	0			0	0	0		
COLORAD	193707131846	14.2	41	c/c	193707130716	8.9518	189.9434		0	0.000	0	0	0			0	0	0		
ITASCA	193707131900	12.6	186		193707130700	-2.8934	176.9021	nexe	7	29.780	82	79	84	c	ci st e	8	20	1	exs	
SWAN	193707131900	8.7	252		193707130700	-1.8012	180.7413	se	4	29.750	83	83	85	bc	a cu se	3	30	1	se	
ITASCA	193707131905	1.3	249	c/s	193707130705	-2.9107	176.9003		0	0.000	0	0	0			0	0	0		
ITASCA	193707131915	12.3	324	c/cs	193707130715	-2.9120	176.8969		0	0.000	0	0	0			0	0	0		
SWAN	193707131921	8.6	270	c/c	193707130721	-1.8171	180.6929		0	0.000	0	0	0			0	0	0		
COLORAD	193707131930	13.4	45	fixx	193707130800	9.0833	190.0583	ne	21	29.720	81	75	83	bc	ci cu ne	3	50	3	ne	
CUSHING	193707131930	18.9	159	fixx	193707130800	1.9833	182.6333	se	16	29.600	81	80	82	op	cu nb se	10	15	4	ese	
DRAYTON	193707131930	18.7	222	fixx	193707130800	2.3500	184.7833	se	16	29.630	82	80	81	bc	st cu se	5	35	3	se	
LAMSON	193707131930	14.8	182	fixx	193707130800	2.0833	182.1000	se	11	29.970	80	76	83	bc	cu nb e	10	10	1	e	
LEX	193707131930	17.6	181		193707130800	1.9802	182.7190	145	8	29.770	80	79	84	c	st cu se	8	25	1	ese	
DRAYTON	193707131940	18.7	222	c/c	193707130810	2.3089	184.7517		0	0.000	0	0	0			0	0	0		
ITASCA	193707131940	12.0	334	c/c	193707130740	-2.8433	176.8464		0	0.000	0	0	0			0	0	0		

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
ITASCA	193707132000	1.2	37	radm	193707130800	-2.7833	176.8167	nexe	7	29.800	84	80	84	c	ci st e		8	20	1	exs
SWAN	193707132000	10.2	271	fixx	193707130800	-1.8167	180.6000	se	6	29.780	85	85	85	bc	a cu se		3	45	1	se
ITASCA	193707132013	1.2	37	c/s	193707130813	-2.7391	176.8045		0	0.000	0	0	0				0	0	0	
COLORAD	193707132030	13.4	45		193707130900	9.2417	190.2186	ne	20	29.710	81	76	83	bc	cu ene		5	40	3	ene
CUSHING	193707132030	18.9	159		193707130900	1.6900	182.7461	se	16	29.610	84	80	81	op	cu nb se		10	25	4	ese
DRAYTON	193707132030	18.7	222		193707130900	2.1147	184.5791	se	16	29.620	83	80	80	bc	st cu sxe		5	35	3	se
LAMSON	193707132030	14.8	182		193707130900	1.8375	182.0917	se	11	29.990	80	79	84	bc	cu nb e		10	10	1	e
LEX	193707132030	17.6	181		193707130900	1.6863	182.7136	138	14	29.780	81	80	84	c	st cu se		7	25	1	ese
LEX	193707132043	17.9	224	c/c	193707130913	1.6227	182.7125		0	0.000	0	0	0				0	0	0	
CUSHING	193707132045	10.9	201	c/cs	193707130915	1.6167	182.7742		0	0.000	0	0	0				0	0	0	
LEX	193707132046	17.6	181	c/c	193707130916	1.6118	182.7022		0	0.000	0	0	0				0	0	0	
CUSHING	193707132047	20.1	120	c/c	193707130917	1.6110	182.7721		0	0.000	0	0	0				0	0	0	
LEX	193707132050	17.5	141	c/c	193707130920	1.5922	182.7018		0	0.000	0	0	0				0	0	0	
ITASCA	193707132100	1.2	37		193707130900	-2.7265	176.8142	nexe	7	29.810	85	81	85	bc	ci st e		6	25	1	se
SWAN	193707132100	10.2	271		193707130900	-1.8128	180.4299	se	4	29.780	88	87	85	bc	ci cu se		1	45	1	se
COLORAD	193707132130	13.4	45		193707131000	9.4000	190.3790	ne	20	29.710	81	75	83	bc	a cu ne		4	31	3	ne
CUSHING	193707132130	20.1	120		193707131000	1.4891	182.9796	se	16	29.600	82	82	83	c	st cu se		8	25	4	ese
DRAYTON	193707132130	18.6	191	c/c	193707131000	1.8817	184.3720	se	16	29.630	82	80	80	bc	cu sxe		8	35	1	se
LAMSON	193707132130	14.8	182		193707131000	1.5917	182.0833	se	11	30.000	79	77	83	cq	cu nb e		10	10	1	e
LEX	193707132130	17.5	141		193707131000	1.4409	182.8241	130	11	29.800	82	80	83	c	st cu se		7	25	1	ese
CUSHING	193707132148	17.8	167	c/cs	193707131018	1.4381	183.0664		0	0.000	0	0	0				0	0	0	
CUSHING	193707132153	21.6	171	c/s	193707131023	1.4140	183.0719		0	0.000	0	0	0				0	0	0	
ITASCA	193707132200	1.2	37		193707131000	-2.7104	176.8265	nexe	7	29.810	85	81	85	bc	ci st e		6	25	1	se
SWAN	193707132200	10.2	271		193707131000	-1.8090	180.2597	se	4	29.770	90	89	85	bc	ci cu se		1	45	1	se
CUSHING	193707132205	16.3	180	c/cs	193707131035	1.3429	183.0830		0	0.000	0	0	0				0	0	0	
COLORAD	193707132230	13.4	45		193707131100	9.5583	190.5395	ne	21	29.700	80	73	83	bc	a cu ne		3	31	3	ne
CUSHING	193707132230	16.3	180		193707131100	1.2298	183.0831	se	16	29.600	83	82	84	c	st cu se		7	25	4	ese
DRAYTON	193707132230	18.6	191		193707131100	1.5769	184.3124	se	16	29.610	83	80	80	bc	cu sxe		5	35	1	se
LAMSON	193707132230	14.8	182		193707131100	1.3458	182.0750	se	11	29.970	82	78	83	bc	ci cu e		4	30	1	e
LEX	193707132230	17.5	141		193707131100	1.2139	183.0076	138	12	29.790	83	81	83	c	st cu se		8	25	2	ese
SWAN	193707132250	11.2	272	c/s	193707131050	-1.8058	180.1179		0	0.000	0	0	0				0	0	0	
ITASCA	193707132300	1.2	37		193707131100	-2.6943	176.8389	nexe	7	29.810	86	82	85	bc	ci cu e		6	25	1	se
SWAN	193707132300	11.2	272		193707131100	-1.8050	180.0868	se	4	29.760	90	90	85	bc	ci cu se		1	45	1	se
ITASCA	193707132302	12.0	283	c/cs	193707131102	-2.6938	176.8393		0	0.000	0	0	0				0	0	0	
LEX	193707132303	17.8	203	c/c	193707131133	1.0891	183.1085		0	0.000	0	0	0				0	0	0	
COLORAD	193707132330	12.7	41	fixx	193707131200	9.7167	190.7000	ne	29	29.700	80	72	83	oq	cu nb ne		10	20	3	ne
CUSHING	193707132330	18.5	197	fixx	193707131200	0.9583	183.0833	se	16	29.580	86	82	82	c	st cu se		7	25	4	ese
DRAYTON	193707132330	18.6	191		193707131200	1.2721	184.2528	se	16	29.590	84	80	80	bc	cu sxe		5	35	1	se
LAMSON	193707132330	15.9	180	fixx	193707131200	1.1000	182.0667	se	11	29.960	83	78	83	bc	ci cu e		4	35	1	e
LEX	193707132330	20.7	198	fixx	193707131200	0.9667	183.0556	130	9	29.770	82	81	83	c	st cu se		8	25	2	ese
ITASCA	193707132400	11.5	279	fixx	193707131200	-2.6500	176.6500	nexe	7	29.800	86	82	85	bc	ci cu e		6	25	1	se
SWAN	193707132400	7.4	276	fixx	193707131200	-1.8000	179.9000	se	5	29.750	89	90	85	bc	ci se		1	45	1	se
LEX	193707140011	20.7	198	c/c	193707131241	0.7527	182.9480		0	0.000	0	0	0				0	0	0	
LEX	193707140017	22.7	198	c/s	193707131247	0.7199	182.9372		0	0.000	0	0	0				0	0	0	
LEX	193707140019	20.7	198	c/s	193707131249	0.7078	182.9334		0	0.000	0	0	0				0	0	0	
LEX	193707140025	22.7	198	c/s	193707131255	0.6750	182.9227		0	0.000	0	0	0				0	0	0	
LEX	193707140027	23.7	197	c/s	193707131257	0.6630	182.9189		0	0.000	0	0	0				0	0	0	
LEX	193707140028	22.0	164	c/c	193707131258	0.6567	182.9169		0	0.000	0	0	0				0	0	0	
COLORAD	193707140030	12.7	41		193707131300	9.8768	190.8405	ne	24	29.680	79	77	83	cq	cu nb ne		8	20	3	ne
CUSHING	193707140030	18.5	197		193707131300	0.6631	182.9937	sse	16	29.580	85	82	80	c	a cu se		8	25	3	ese
DRAYTON	193707140030	18.6	191		193707131300	0.9672	184.1931	se	16	29.580	84	80	80	bc	cu se		5	35	1	se
LAMSON	193707140030	15.9	180		193707131300	0.8352	182.0685	sse	11	29.940	84	78	80	bc	ci cu se		4	40	1	se
LEX	193707140030	22.0	164		193707131300	0.6449	182.9203	155	9	29.760	83	81	83	c	st cu se		8	25	2	se
LEX	193707140042	17.3	189	c/cs	193707131312	0.5745	182.9409		0	0.000	0	0	0				0	0	0	
ITASCA	193707140100	11.5	279		193707131300	-2.6214	176.4595	e	7	29.790	86	82	85	bc	ci st e		5	25	2	se
SWAN	193707140100	7.4	276		193707131300	-1.7875	179.7771	se	4	29.740	87	87	85	bc	ci cu se		2	45	1	se
LEX	193707140107	20.3	188	c/s	193707131337	0.4558	182.9221		0	0.000	0	0	0				0	0	0	
LEX	193707140108	19.2	167	c/c	193707131338	0.4502	182.9214		0	0.000	0	0	0				0	0	0	
COLORAD	193707140130	12.7	41		193707131400	10.0369	190.9811	ne	24	29.660	79	77	83	cq	cu st ne		7	25	3	ne
CUSHING	193707140130	18.5	197		193707131400	0.3679	182.9040	sse	11	29.570	82	82	82	c	cu nb se		9	25	3	ese
DRAYTON	193707140130	18.6	191		193707131400	0.6624	184.1335	se	16	29.560	84	80	81	bc	acu se		6	40	1	se
LAMSON	193707140130	15.9	180		193707131400	0.5703	182.0703	sse	11	29.920	83	78	80	bc	ci cu se		4	40	1	se
LEX	193707140130	19.2	167		193707131400	0.3361	182.9479	155	9	29.740	82	82	83	pbc	cu nb se		9	25	2	se

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
LEX	193707140140	15.5	121	c/cs	193707131410	0.2843	182.9599		0	0.000	0	0	0				0	0	0	
ITASCA	193707140145	13.1	279	radm	193707131345	-2.6000	176.3167		0	0.000	0	0	0				0	0	0	
CUSHING	193707140149	18.1	176	c/cs	193707131419	0.2744	182.8756		0	0.000	0	0	0				0	0	0	
ITASCA	193707140200	13.1	279		193707131400	-2.5919	176.2628 e	7	29.770	86	82	85	bc	ci st e		5	25	2	se	
SWAN	193707140200	7.4	276		193707131400	-1.7750	179.6542 se	4	29.720	90	90	85	bc	ci cu se		2	45	1	se	
COLORAD	193707140209	13.6	354	c/c	193707131439	10.1409	191.0725		0	0.000	0	0	0				0	0	0	
COLORAD	193707140214	12.7	41	c/c	193707131444	10.1597	191.0705		0	0.000	0	0	0				0	0	0	
COLORAD	193707140230	12.7	41		193707131500	10.2024	191.1080 ene	27	29.660	80	77	83	cq	st cu ne		7	25	3	ne	
CUSHING	193707140230	18.1	176		193707131500	0.0691	182.8911 sse	11	29.540	82	82	80	c	st cu se		7	25	3	ese	
DRAYTON	193707140230	18.6	191		193707131500	0.3576	184.0739 se	16	29.540	85	80	80	bc	acu se		6	40	1	se	
LAMSON	193707140230	15.9	180		193707131500	0.3055	182.0721 sse	11	29.900	85	79	80	bc	ci cu se		4	40	1	se	
LEX	193707140230	16.3	243	c/cs	193707131500	0.1744	183.1442 142	10	29.730	84	84	83	bc	st cu se		7	25	2	se	
CUSHING	193707140233	12.3	239	c/cs	193707131503	0.0541	182.8923		0	0.000	0	0	0				0	0	0	
LAMSON	193707140257	12.7	248	c/cs	193707131527	0.1863	182.0729		0	0.000	0	0	0				0	0	0	
ITASCA	193707140258	13.1	314	c/c	193707131458	-2.5606	176.0543		0	0.000	0	0	0				0	0	0	
DRAYTON	193707140300	18.6	180	c/c	193707131530	0.2052	184.0441		0	0.000	0	0	0				0	0	0	
ITASCA	193707140300	13.1	314		193707131500	-2.5555	176.0491 e	7	29.750	86	82	85	bc	ci e		2	25	2	se	
SWAN	193707140300	7.4	276		193707131500	-1.7625	179.5312 se	4	29.700	93	93	85	bc	ci cu se		2	45	1	se	
ITASCA	193707140303	6.5	313	c/s	193707131503	-2.5479	176.0413		0	0.000	0	0	0				0	0	0	
ITASCA	193707140306	5.9	35	c/c	193707131506	-2.5442	176.0374		0	0.000	0	0	0				0	0	0	
ITASCA	193707140313	0.5	293	c/s	193707131513	-2.5349	176.0440		0	0.000	0	0	0				0	0	0	
COLORAD	193707140330	12.7	41		193707131600	10.3625	191.2487 ene	27	29.660	80	77	83	oq	st cu ne		10	5	3	ne	
CUSHING	193707140330	12.3	239		193707131600	-0.0459	182.7258 sse	7	29.570	84	83	82	c	st cu se		7	25	3	ese	
DRAYTON	193707140330	18.6	180		193707131600	0.0498	184.0445 se	16	29.520	86	80	80	bc	acu se		6	40	1	se	
LAMSON	193707140330	12.7	248		193707131600	0.1425	181.9650 se	11	29.920	86	79	83	bc	ci cu se		4	40	1	se	
LEX	193707140330	16.3	243		193707131600	0.0513	182.9012 117	6	29.730	85	84	82	bc	st cu se		8	25	2	se	
LEX	193707140355	14.5	247	met	193707131625	0.0000	182.8000		0	0.000	0	0	0				0	0	0	
DRAYTON	193707140400	13.8	247	c/cs	193707131630	-0.1055	184.0449		0	0.000	0	0	0				0	0	0	
ITASCA	193707140400	0.5	293		193707131600	-2.5325	176.0382 e	7	29.750	90	85	85	bc	cu e		2	25	1	se	
LAMSON	193707140400	12.7	246	c/c	193707131630	0.1027	181.8669		0	0.000	0	0	0				0	0	0	
SWAN	193707140400	7.4	276		193707131600	-1.7500	179.4083 se	4	29.700	93	93	85	bc	ci cu se		2	45	1	se	
COLORAD	193707140430	12.7	41		193707131700	10.5226	191.3894 ene	19	29.650	80	77	83	c	cu nb ne		9	25	3	ne	
CUSHING	193707140430	12.3	239		193707131700	-0.1511	182.5506 sse	7	29.560	84	83	82	c	st cu se		7	25	3	ese	
DRAYTON	193707140430	13.8	247		193707131700	-0.1499	183.9387 se	16	29.520	86	81	80	bc	ci cu se		6	40	1	se	
LAMSON	193707140430	12.7	246		193707131700	0.0595	181.7705 ese	7	29.930	86	79	83	c	a cu se		8	40	1	se	
LEX	193707140430	14.5	247		193707131700	-0.0552	182.6698 123	6	29.740	84	84	82	bc	st cu se		9	25	2	se	
ITASCA	193707140500	0.5	293		193707131700	-2.5293	176.0307 e	7	29.760	86	82	84	bc	ci cu e		3	25	1	sexe	
SWAN	193707140500	7.4	276		193707131700	-1.7375	179.2854 se	4	29.700	93	94	85	bc	a cu se		2	45	1	se	
COLORAD	193707140530	12.7	41		193707131800	10.6827	191.5302 ene	19	29.650	80	77	83	c	cu nb ne		9	20	3	ne	
CUSHING	193707140530	12.3	239		193707131800	-0.2563	182.3754 sse	7	29.580	82	82	82	c	st cu se		7	25	3	ese	
DRAYTON	193707140530	13.8	247		193707131800	-0.2388	183.7264 se	16	29.560	87	82	80	bc	ci cu se		5	40	2	se	
LAMSON	193707140530	12.7	246		193707131800	-0.0270	181.5775 ese	7	29.920	85	79	82	bc	ci cu se		8	40	1	se	
LEX	193707140530	14.5	247		193707131800	-0.1497	182.4465 115	6	29.780	83	83	83	bc	st cu se		9	25	1	se	
ITASCA	193707140531	12.4	271	c/cs	193707131731	-2.5276	176.0269		0	0.000	0	0	0				0	0	0	
ITASCA	193707140545	12.3	348	c/c	193707131745	-2.5269	175.9784		0	0.000	0	0	0				0	0	0	
ITASCA	193707140550	12.0	21	c/c	193707131750	-2.5102	175.9749		0	0.000	0	0	0				0	0	0	
ITASCA	193707140600	12.0	21		193707131800	-2.4790	175.9867 ese	7	29.770	84	83	84	bc	ci st e		7	25	1	sexs	
SWAN	193707140600	7.4	276		193707131800	-1.7250	179.1625 se	4	29.720	88	88	85	bc	a cu se		2	40	1	se	
COLORAD	193707140630	12.7	41		193707131900	10.8428	191.6711 ene	25	29.660	80	77	83	c	cu nb ne		9	20	3	ne	
CUSHING	193707140630	12.3	239		193707131900	-0.3615	182.2002 sse	7	29.590	82	81	82	c	st cu se		7	25	3	ese	
DRAYTON	193707140630	13.8	247		193707131900	-0.3277	183.5140 se	16	29.590	82	80	80	bc	ci cu se		5	18	2	se	
LAMSON	193707140630	12.7	246		193707131900	-0.1135	181.3846 ese	7	29.940	84	78	83	c	cu se		8	20	1	se	
LEX	193707140630	14.5	247		193707131900	-0.2443	182.2233 111	5	29.760	82	82	83	bc	st cu se		9	25	1	se	
COLORAD	193707140650	13.5	359	c/c	193707131920	10.8962	191.7181		0	0.000	0	0	0				0	0	0	
COLORAD	193707140655	12.7	41	c/c	193707131925	10.9149	191.7178		0	0.000	0	0	0				0	0	0	
ITASCA	193707140700	12.0	21		193707131900	-2.2917	176.0574 e	7	29.780	83	81	84	c	ci st e		8	25	1	sexs	
SWAN	193707140700	7.4	276		193707131900	-1.7125	179.0396 se	4	29.740	84	85	85	bc	a cu se		3	15	1	se	
ITASCA	193707140718	12.4	271	c/c	193707131918	-2.2356	176.0787		0	0.000	0	0	0				0	0	0	
COLORAD	193707140730	12.5	42	fixx	193707132000	11.0083	191.8000 ene	25	29.700	79	77	83	c	cu nb ne		9	15	3	ne	
CUSHING	193707140730	12.3	248	fixx	193707132000	-0.4667	182.0250 sse	7	29.610	82	81	80	c	st cu se		7	25	3	ese	
DRAYTON	193707140730	13.8	247		193707132000	-0.4166	183.3017 se	16	29.620	82	80	80	bc	ci cu se		5	18	2	se	
LAMSON	193707140730	13.2	242	fixx	193707132000	-0.2000	181.1917 se	7	29.960	81	78	82	c	cu se		8	20	1	se	
LEX	193707140730	13.6	247	fixx	193707132000	-0.3389	182.0000 145	6	29.780	82	82	83	bc	st cu se		9	25	1	se	



Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
ITASCA	193707140800	12.5	273	fixx	193707132000	-2.2333	175.9333	e	7	29.770	83	80	84	c	ci st e		5	25	1	sexs
SWAN	193707140800	8.0	275	fixx	193707132000	-1.7000	178.9167	se	4	29.760	83	83	85	bc	a cu se		3	9	1	se
COLORAD	193707140830	12.5	42		193707132100	11.1629	191.9419	ene	18	29.720	77	76	83	or			10	15	3	ne
CUSHING	193707140830	12.3	248		193707132100	-0.5429	181.8345	sse	7	29.630	82	81	80	c	st cu se		9	20	3	se
DRAYTON	193707140830	13.8	247		193707132100	-0.5055	183.0893	se	16	29.630	82	80	80	bc	ci cu se		5	15	2	se
LAMSON	193707140830	13.2	242		193707132100	-0.3020	180.9970	se	11	29.990	81	79	82	c	cu se		8	20	1	se
LEX	193707140830	13.6	247		193707132100	-0.4285	181.7920	135	9	29.790	81	81	83	bc	st cu se		9	25	1	se
ITASCA	193707140900	12.5	273		193707132100	-2.2231	175.7248	ese	7	29.810	82	80	84	bc	ci st e		3	25	1	se
SWAN	193707140900	8.0	275		193707132100	-1.6875	178.7833	se	4	29.780	82	83	85	bc	a cu se		3	9	1	se
COLORAD	193707140930	12.5	42		193707132200	11.3174	192.0839	ene	21	29.720	79	77	83	c	cu nb ene		9	20	3	ne
CUSHING	193707140930	12.3	248		193707132200	-0.6191	181.6440	sse	7	29.630	82	81	80	c	st cu se		9	20	3	se
DRAYTON	193707140930	13.8	247		193707132200	-0.5944	182.8770	sw	16	29.650	82	80	80	bc	ci cu se		5	15	2	se
LAMSON	193707140930	13.2	242		193707132200	-0.4040	180.8023	se	11	29.990	81	79	83	bc	cu se		8	20	1	se
LEX	193707140930	13.6	247		193707132200	-0.5180	181.5839	135	5	29.800	81	81	83	bc	st cu		9	20	1	se
ITASCA	193707141000	12.5	273		193707132200	-2.2128	175.5163	ese	7	29.810	82	79	84	bc	ci st e		3	25	1	se
SWAN	193707141000	8.0	275		193707132200	-1.6750	178.6500	se	4	29.770	83	83	85	bc	ci cu se		3	9	1	se
ITASCA	193707141020	12.7	301	c/c	193707132220	-2.2094	175.4468		0	0.000	0	0	0				0	0	0	
COLORAD	193707141030	12.5	42		193707132300	11.4719	192.2260	ene	23	29.720	80	78	83	c	cu nb ene		8	20	4	ne
CUSHING	193707141030	12.3	248		193707132300	-0.6953	181.4535	se	11	29.630	82	81	80	c	st cu se		9	20	3	se
DRAYTON	193707141030	13.8	247		193707132300	-0.6833	182.6646	sw	16	29.680	82	80	80	bc	ci cu se		5	15	2	se
LAMSON	193707141030	13.2	242		193707132300	-0.5059	180.6076	se	11	29.990	81	78	83	bc	cu se		8	20	1	se
LEX	193707141030	13.6	247		193707132300	-0.6076	181.3759	139	6	29.800	81	81	83	bc	st cu		6	20	1	se
COLORAD	193707141041	13.0	6	c/c	193707132311	11.5002	192.2521		0	0.000	0	0	0				0	0	0	
COLORAD	193707141045	12.5	42	c/c	193707132315	11.5146	192.2535		0	0.000	0	0	0				0	0	0	
ITASCA	193707141100	12.7	301		193707132300	-2.1358	175.3256	ese	7	29.810	82	79	84	bc	ci st e		3	25	1	se
SWAN	193707141100	8.0	275		193707132300	-1.6625	178.5167	se	4	29.770	83	83	85	bc	ci cu se		3	9	1	se
COLORAD	193707141130	12.5	42		193707132400	11.6305	192.3601	ene	20	29.720	80	78	83	bc	ci st ene		5	20	3	ne
CUSHING	193707141130	12.3	248		193707132400	-0.7715	181.2630	se	11	29.630	82	81	80	bc	st cu se		6	20	3	se
DRAYTON	193707141130	13.8	247		193707132400	-0.7722	182.4522	sw	16	29.670	82	79	80	bc	ci cu se		5	15	2	se
ITASCA	193707141130	12.7	301		193707132400	-2.0807	175.2348	ese	7	29.820	82	79	84	bc	ci st e		2	25	1	se
LAMSON	193707141130	13.2	242		193707132400	-0.6079	180.4129	se	11	29.990	81	78	82	bc	cu se		8	20	1	se
LEX	193707141130	13.6	247		193707132400	-0.6972	181.1679	160	4	29.800	81	81	83	bc	st cu		4	20	1	se
SWAN	193707141200	8.0	275		193707132400	-1.6500	178.3833	se	4	29.770	82	83	85	bc	ci cu se		3	9	1	se
COLORAD	193707141230	12.5	42		193707140100	11.7850	192.5024	ene	21	29.690	78	78	82	oq	nb ene		10	12	3	ne
CUSHING	193707141230	12.3	248		193707140100	-0.8476	181.0725	se	11	29.610	81	81	80	bc	st cu se		6	10	4	se
DRAYTON	193707141230	13.8	247		193707140100	-0.8610	182.2398	se	20	29.660	80	79	80	bc	ci cu se		6	14	2	se
ITASCA	193707141230	12.7	301		193707140100	-1.9704	175.0531	ese	7	29.810	80	78	84	b			0	20	1	se
LAMSON	193707141230	13.2	242		193707140100	-0.7099	180.2182	se	11	29.970	81	79	82	bc	cu se		2	20	1	e
LEX	193707141230	13.6	247		193707140100	-0.7867	180.9598	180	5	29.780	81	81	83	bc	st cu		2	25	1	
SWAN	193707141300	8.0	275		193707150100	-1.6375	178.2500	sse	4	29.740	82	82	85	bc	ci cu se		2	10	1	se
COLORAD	193707141330	12.5	42		193707140200	11.9395	192.6447	ene	20	29.690	78	77	82	o	st cu ene		3	15	3	ene
CUSHING	193707141330	12.3	248		193707140200	-0.9238	180.8819	se	11	29.610	81	81	80	bc	st cu se		61	10	4	se
DRAYTON	193707141330	13.8	247		193707140200	-0.9499	182.0275	se	20	29.630	78	78	80	bq	nb se		10	0	2	se
ITASCA	193707141330	12.7	301		193707140200	-1.8601	174.8714	ese	7	29.810	81	78	84	b			0	20	1	se
LAMSON	193707141330	13.2	242		193707140200	-0.8119	180.0235	se	16	29.940	81	79	80	bc	cu se		2	20	1	e
LEX	193707141330	13.6	247		193707140200	-0.8763	180.7518	185	6	29.770	81	81	83	bc	st cu		2	25	1	
SWAN	193707141400	8.0	275		193707150200	-1.6250	178.1167	sse	4	29.720	82	82	85	bc	ci cu se		3	10	1	se
COLORAD	193707141430	12.5	42		193707140300	12.0941	192.7870	ene	20	29.690	78	77	82	q	nb ene		6	13	3	ene
CUSHING	193707141430	12.3	248		193707140300	-1.0000	180.6914	se	11	29.590	80	80	80	bc	st cu se		4	10	4	se
DRAYTON	193707141430	13.8	247		193707140300	-1.0388	181.8151	se	16	29.630	78	78	80	z	cu se		10	10	2	se
ITASCA	193707141430	12.7	301		193707140300	-1.7499	174.6898	ese	7	29.780	81	78	84	bc	a cu		2	20	1	se
LAMSON	193707141430	13.2	242		193707140300	-0.9139	179.8288	se	16	29.950	81	78	82	bc	cu se		1	20	1	e
LEX	193707141430	13.6	247		193707140300	-0.9659	180.5437	180	5	29.770	81	81	83	bc	st cu		2	25	1	
SWAN	193707141500	8.0	275		193707150300	-1.6125	177.9833	s	3	29.710	81	82	85	bc	ci cu s		3	10	1	s
COLORAD	193707141530	12.5	42		193707140400	12.2486	192.9295	ene	21	29.680	78	77	82	bcz	st cu ene		4	15	3	ene
CUSHING	193707141530	12.3	248		193707140400	-1.0762	180.5009	se	11	29.590	80	80	82	bc	st cu se		6	10	4	se
DRAYTON	193707141530	13.8	247		193707140400	-1.1277	181.6027	se	16	29.630	78	78	80	q	cu se		10	10	2	se
ITASCA	193707141530	12.7	301		193707140400	-1.6396	174.5081	ese	7	29.780	81	78	84	bc	a cu		2	20	1	se
LAMSON	193707141530	13.2	242		193707140400	-1.0158	179.6341	se	16	29.920	81	77	82	bc	cu se		1	20	1	e
LEX	193707141530	13.6	247		193707140400	-1.0554	180.3357	140	9	29.740	81	81	83	bc	st cu		2	25	1	
SWAN	193707141600	8.0	275		193707150400	-1.6000	177.8500	s	3	29.700	81	82	85	bc	ci cu s		2	10	1	s
ITASCA	193707141611	12.8	333	c/c	193707140441	-1.5642	174.3840		0	0.000	0	0	0				0	0	0	
COLORAD	193707141630	12.5	42		193707140500	12.4031	193.0720	nexe	18	29.700	78	75	81	bcz	st cu nexe		9	20	3	nexe

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
CUSHING	193707141630	12.3	248		193707140500	-1.1524	180.3104	se	11	29.580	82	81	82	bc	st cu	se	4	15	4	se
DRAYTON	193707141630	13.8	247		193707140500	-1.2166	181.3903	se	16	29.640	79	78	80	c	cu nb	se	8	10	2	se
ITASCA	193707141630	12.8	333		193707140500	-1.5040	174.3536	ese	7	29.770	82	78	84	bc	cu		1	20	1	se
LAMSON	193707141630	13.2	242		193707140500	-1.1178	179.4394	se	11	29.920	80	77	82	bc	cu	se	2	20	1	e
LEX	193707141630	13.6	247		193707140500	-1.1450	180.1276	140	10	29.750	81	81	83	bc	st cu		2	25	1	
SWAN	193707141700	8.0	275		193707150500	-1.5875	177.7167	s	4	29.710	83	82	85	bc	ci cu	sw	1	10	1	e
COLORAD	193707141730	12.5	42		193707140600	12.5576	193.2146	nexe	19	29.700	79	77	82	bcz	st cu	nexe	9	20	4	nexe
CUSHING	193707141730	12.3	248		193707140600	-1.2286	180.1198	se	11	29.580	82	81	82	bc	st cu	se	4	15	4	se
DRAYTON	193707141730	13.8	247		193707140600	-1.3055	181.1779	se	16	29.640	80	79	80	c	cu nb	se	8	10	2	se
ITASCA	193707141730	12.8	333		193707140600	-1.3140	174.2575	ese	7	29.780	82	78	84	bc	cu		2	20	1	se
LAMSON	193707141730	13.2	242		193707140600	-1.2198	179.2446	se	11	29.940	80	77	82	bc	cu	se	2	20	1	e
LEX	193707141730	13.6	247		193707140600	-1.2346	179.9195	140	11	29.750	81	81	83	bc	st cu		5	25	1	
SWAN	193707141800	8.0	275		193707150600	-1.5750	177.5833	sw	4	29.710	82	82	85	bc	a cu	sw	1	25	1	e
LEX	193707141807	18.6	247	c/s	193707140637	-1.2898	179.7912		0	0.000	0	0	0				0	0	0	
CUSHING	193707141808	17.3	248	c/s	193707140638	-1.2769	179.9991		0	0.000	0	0	0				0	0	0	
LEX	193707141810	18.1	182	c/c	193707140640	-1.2960	179.7770		0	0.000	0	0	0				0	0	0	
LEX	193707141815	24.1	181	c/s	193707140645	-1.3211	179.7762		0	0.000	0	0	0				0	0	0	
DRAYTON	193707141817	6.8	249	c/s	193707140647	-1.3751	181.0115		0	0.000	0	0	0				0	0	0	
DRAYTON	193707141824	7.4	0	c/c	193707140654	-1.3800	180.9991		0	0.000	0	0	0				0	0	0	
LEX	193707141824	23.7	143	c/c	193707140654	-1.3813	179.7746		0	0.000	0	0	0				0	0	0	
COLORAD	193707141830	12.5	42		193707140700	12.7121	193.3572	nexe	23	29.720	79	77	82	bcz	st cu	nexe	9	25	4	nexe
CUSHING	193707141830	17.3	248		193707140700	-1.3173	179.9014	se	11	29.590	84	82	82	c	st cu	se	7	20	4	se
DRAYTON	193707141830	7.4	0		193707140700	-1.3677	180.9992	se	16	29.650	80	79	80	c	cu nb	se	8	20	2	se
ITASCA	193707141830	12.8	333		193707140700	-1.1240	174.1615	ese	7	29.780	82	78	84	bc	a cu	e	4	20	1	se
LAMSON	193707141830	13.2	242		193707140700	-1.3218	179.0499	se	11	29.970	81	77	82	bc	cu nb	ene	4	30	1	e
LEX	193707141830	23.7	143		193707140700	-1.4130	179.7983	142	6	29.780	81	81	84	bc	st cu		8	25	1	
LEX	193707141841	23.9	359	c/c	193707140711	-1.4710	179.8416		0	0.000	0	0	0				0	0	0	
CUSHING	193707141843	15.3	248	c/s	193707140713	-1.3411	179.8436		0	0.000	0	0	0				0	0	0	
LEX	193707141843	15.9	358	c/s	193707140713	-1.4578	179.8412		0	0.000	0	0	0				0	0	0	
LAMSON	193707141845	0.2	204	c/s	193707140715	-1.3473	179.0012		0	0.000	0	0	0				0	0	0	
DRAYTON	193707141857	16.4	0	c/s	193707140727	-1.3125	180.9996		0	0.000	0	0	0				0	0	0	
LAMSON	193707141900	15.8	360	c/cs	193707140730	-1.3482	179.0008		0	0.000	0	0	0				0	0	0	
SWAN	193707141900	8.0	275		193707150700	-1.5625	177.4500	sw	6	29.740	84	83	85	bc	a cu	sw	1	40	1	e
CUSHING	193707141902	16.7	2	c/c	193707140732	-1.3717	179.7688		0	0.000	0	0	0				0	0	0	
ITASCA	193707141906	12.8	334	c/c	193707140736	-1.0099	174.1038		0	0.000	0	0	0				0	0	0	
COLORAD	193707141930	12.5	43	fixx	193707140800	12.8667	193.5000	e	21	29.720	79	77	82	c	st cu	ene	9	25	4	ene
CUSHING	193707141930	10.3	14	fixx	193707140800	-1.2417	179.7722	se	7	29.620	83	81	80	c	st cu	se	10	30	1	se
DRAYTON	193707141930	15.8	0	fixx	193707140800	-1.1625	181.0000	se	16	29.670	81	79	80	c	cu nb	se	8	30	2	se
ITASCA	193707141930	11.3	332	fixx	193707140800	-0.9333	174.0667	ese	7	29.790	83	79	84	bc	cu	e	4	25	1	se
LAMSON	193707141930	16.9	0	fixx	193707140800	-1.2167	179.0000	se	11	29.990	81	77	83	bc	ci cu	ene	4	35	1	e
LEX	193707141930	15.9	358	fixx	193707140800	-1.2500	179.8333	125	13	29.790	82	81	84	cp	st cu		9	25	1	
SWAN	193707142000	8.7	266	fixx	193707150800	-1.5500	177.3167	sw	6	29.760	86	85	85	bc	a cu	sw	1	40	1	e
COLORAD	193707142030	12.5	43		193707140900	13.0190	193.6446	e	35	29.780	79	77	82	oq	st cu	ene	10	10	4	ene
CUSHING	193707142030	10.3	14		193707140900	-1.0750	179.8125	ese	7	29.660	85	82	81	od	cu nb	ese	10	30	1	se
DRAYTON	193707142030	15.8	0		193707140900	-0.8990	181.0000	se	16	29.740	79	74	80	r	st cu	se	8	30	2	se
ITASCA	193707142030	11.3	332		193707140900	-0.7667	173.9792	ese	11	29.810	83	80	84	c	cu	e	6	25	2	se
LAMSON	193707142030	16.9	0		193707140900	-0.9349	179.0000	ne	11	29.990	82	77	83	c	a st	ne	6	30	1	ne
LEX	193707142030	15.9	358		193707140900	-0.9851	179.8246	160	10	29.820	79	79	84	op	st cu		10	20	1	
LAMSON	193707142044	17.4	0	c/s	193707140914	-0.8692	179.0000		0	0.000	0	0	0				0	0	0	
SWAN	193707142100	8.7	266		193707150900	-1.5597	177.1726	se	6	29.760	88	87	85	bc	a cu	se	3	45	1	e
COLORAD	193707142130	12.5	43		193707141000	13.1714	193.7893	e	35	29.780	79	77	82	oq	st cu	e	10	15	4	ene
CUSHING	193707142130	10.3	14		193707141000	-0.9083	179.8528	e	11	29.660	82	80	82	bc	cu nb	e	10	30	1	se
DRAYTON	193707142130	15.8	0		193707141000	-0.6354	181.0000	se	16	29.710	79	78	80	c	st cu	se	8	30	2	se
ITASCA	193707142130	11.3	332		193707141000	-0.6000	173.8917	ese	11	29.810	84	81	84	bc	cu	e	5	25	1	se
LAMSON	193707142130	17.4	0		193707141000	-0.6468	179.0000	ne	11	30.000	82	77	83	cq	cu nb	ne	7	20	1	nne
LEX	193707142130	15.9	358		193707141000	-0.7203	179.8159	155	12	29.820	81	81	83	cp	st cu		9	25	1	
LEX	193707142143	15.8	142	c/c	193707141013	-0.6629	179.8141		0	0.000	0	0	0				0	0	0	
SWAN	193707142155	8.3	287	c/c	193707150955	-1.5685	177.0405		0	0.000	0	0	0				0	0	0	
SWAN	193707142200	8.3	287		193707151000	-1.5651	177.0296	se	4	29.770	89	89	85	bc	a cu	se	3	45	1	e
COLORAD	193707142230	12.5	43		193707141100	13.3238	193.9341	e	29	29.770	79	77	81	cq	st cu	e	8	10	4	ene
CUSHING	193707142230	10.3	14		193707141100	-0.7417	179.8931	e	11	29.640	83	82	84	o	cu nb	e	10	20	1	se
DRAYTON	193707142230	15.8	0		193707141100	-0.3719	181.0000	ese	20	29.710	79	75	80	c	st cu	se	8	30	2	ese
ITASCA	193707142230	11.3	332		193707141100	-0.4333	173.8042	ese	7	29.820	85	81	84	bc	cu	e	4	25	1	ese

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
LAMSON	193707142230	17.4	0		193707141100	-0.3567	179.0000	ne	11	30.000	82	77	83	cq	cu nb	ne	7	20	1	nne
LEX	193707142230	15.8	142		193707141100	-0.8243	179.9415	140	12	29.820	79	79	83	op	st cu		10	20	1	
LEX	193707142237	15.9	359	c/c	193707141107	-0.8484	179.9605		0	0.000	0	0	0				0	0	0	
COLORAD	193707142238	12.8	14	c/c	193707141108	13.3441	193.9534		0	0.000	0	0	0				0	0	0	
CUSHING	193707142240	9.3	15	c/s	193707141110	-0.7139	179.8998		0	0.000	0	0	0				0	0	0	
COLORAD	193707142246	12.5	43	c/c	193707141116	13.3716	193.9604		0	0.000	0	0	0				0	0	0	
LEX	193707142249	22.9	360	c/s	193707141119	-0.7954	179.9597		0	0.000	0	0	0				0	0	0	
CUSHING	193707142250	17.2	8	c/cs	193707141120	-0.6889	179.9065		0	0.000	0	0	0				0	0	0	
SWAN	193707142300	8.3	287		193707151100	-1.5242	176.8981	se	4	29.760	88	89	85	bc	a cu	se	3	45	1	e
COLORAD	193707142330	13.8	38	fobs	193707141200	13.4833	194.0667	e	29	29.770	79	77	82	c	st cu	e	8	15	5	ene
CUSHING	193707142330	21.3	360	fixx	193707141200	-0.5000	179.9333	e	11	29.660	79	79	80	o	cu nb	e	10	20	1	e
DRAYTON	193707142330	15.8	357	fixx	193707141200	-0.1083	181.0000	ese	20	29.700	80	77	80	c	st cu	se	8	30	2	ese
ITASCA	193707142330	13.6	9	fixx	193707141200	-0.2667	173.7167	ese	11	29.810	86	82	84	bc	cu	e	5	25	1	ese
LAMSON	193707142330	15.7	357	fixx	193707141200	-0.0667	179.0000	ne	11	30.000	80	78	83	cq	cu nb	ne	7	30	1	nne
LEX	193707142330	16.9	326	fixx	193707141200	-0.5347	179.9583	112	20	29.790	78	77	83	o	st cu		10	20	1	
SWAN	193707142400	0.9	268	fixx	193707151200	-1.4833	176.7667	se	4	29.760	89	89	85	bc	a cu	se	4	45	1	e
ITASCA	193707150010	13.6	9	c/c	193707141240	-0.1278	173.6581		0	0.000	0	0	0				0	0	0	
LAMSON	193707150016	15.7	357	c/s	193707141246	0.1405	178.9906		0	0.000	0	0	0				0	0	0	
SWAN	193707150018	0.9	268	c/s	193707151218	-1.4652	176.7208		0	0.000	0	0	0				0	0	0	
COLORAD	193707150030	13.8	38		193707141400	13.6650	194.2119	e	20	29.750	80	77	82	c	cu nb	e	9	25	4	ene
CUSHING	193707150030	21.3	360		193707141300	-0.1453	179.9315	e	16	29.630	79	79	80	o	cu nb	e	10	35	1	e
DRAYTON	193707150030	15.8	357		193707141300	0.1550	180.9869	ese	24	29.690	80	80	80	c	st cu	ese	9	30	4	ese
ITASCA	193707150030	13.6	9		193707141300	-0.0534	173.6697	ese	11	29.790	87	82	84	c	st cu	e	8	25	1	ese
LAMSON	193707150030	15.7	357		193707141300	0.2016	178.9877	ene	20	29.980	79	77	83	cq	st cu	se	9	40	1	ne
LEX	193707150030	16.9	326	c/cs	193707141300	-0.1235	179.9781	126	19	29.770	79	77	83	c	cu nb	ne	9	30	1	se
ITASCA	193707150052	1.6	353	c/s	193707141322	0.0285	173.6824		0	0.000	0	0	0				0	0	0	
DRAYTON	193707150056	16.2	183	c/c	193707141326	0.2691	180.9813		0	0.000	0	0	0				0	0	0	
LAMSON	193707150100	16.3	183	c/c	193707141330	0.3325	178.9815		0	0.000	0	0	0				0	0	0	
SWAN	193707150100	0.9	268		193707151300	-1.4656	176.7099	se	4	29.720	89	90	85	bc	a cu	se	4	45	1	e
LEX	193707150104	15.9	113	c/c	193707141334	0.0081	179.8884		0	0.000	0	0	0				0	0	0	
CUSHING	193707150117	16.8	125	c/cs	193707141347	0.1326	179.9300		0	0.000	0	0	0				0	0	0	
COLORAD	193707150130	13.8	38		193707141500	13.8466	194.3572	e	20	29.740	81	77	82	c	st cu	e	9	25	4	ene
CUSHING	193707150130	16.8	125		193707141400	0.0975	179.9796	e	16	29.610	80	80	80	o	st cu	e	9	35	2	e
DRAYTON	193707150130	16.2	183		193707141400	0.1160	180.9739	ese	24	29.660	80	80	80	o	st cu	ese	10	30	4	ese
ITASCA	193707150130	1.6	353		193707141400	0.0456	173.6803	ese	11	29.780	87	82	84	c	st cu	e	8	25	1	ese
LAMSON	193707150130	12.3	183	c/s	193707141400	0.1967	178.9754	ese	20	29.960	79	77	83	oq	cu nb	se	10	30	4	e
LEX	193707150130	15.9	113		193707141400	-0.0375	179.9942	120	16	29.770	81	77	83	c	cu nb	ne	9	30	4	se
LEX	193707150131	17.7	3	c/c	193707141401	-0.0393	179.9983		0	0.000	0	0	0				0	0	0	
LEX	193707150139	15.7	358	logg	193707141409	0.0000	180.0000		0	0.000	0	0	0				0	0	0	
COLORAD	193707150141	14.5	9	c/c	193707141511	13.8799	194.3838		0	0.000	0	0	0				0	0	0	
DRAYTON	193707150142	15.8	357	c/c	193707141412	0.0620	180.9713		0	0.000	0	0	0				0	0	0	
LAMSON	193707150145	11.7	356	c/c	193707141415	0.1455	178.9723		0	0.000	0	0	0				0	0	0	
COLORAD	193707150146	13.8	39	c/c	193707141516	13.8998	194.3872		0	0.000	0	0	0				0	0	0	
CUSHING	193707150151	14.3	360	c/c	193707141421	0.0408	180.0598		0	0.000	0	0	0				0	0	0	
ITASCA	193707150155	12.6	288	c/c	193707141425	0.0568	173.6789		0	0.000	0	0	0				0	0	0	
LAMSON	193707150200	15.7	357	c/s	193707141430	0.1943	178.9692		0	0.000	0	0	0				0	0	0	
SWAN	193707150200	0.9	268		193707151400	-1.4662	176.6942	se	4	29.700	95	97	85	bc	a cu	se	4	45	1	e
ITASCA	193707150222	1.6	353	c/s	193707141452	0.0861	173.5890		0	0.000	0	0	0				0	0	0	
COLORAD	193707150230	13.8	39		193707141600	14.0309	194.4961	e	25	29.740	81	77	82	c	st cu	ene	9	30	4	ene
CUSHING	193707150230	14.3	360		193707141500	0.1955	180.0586	e	11	29.590	81	80	80	c	cu	e	10	35	2	e
DRAYTON	193707150230	15.8	357		193707141500	0.2727	180.9608	ese	24	29.630	80	80	80	o	st cu	ese	10	30	4	ese
ITASCA	193707150230	1.6	353		193707141500	0.0897	173.5886	se	11	29.750	85	81	84	c	cu	e	7	25	1	se
LAMSON	193707150230	15.7	357		193707141500	0.3253	178.9630	ese	16	29.950	78	77	83	cq	cu	se	8	30	1	e
LEX	193707150230	15.7	358		193707141500	0.2221	179.9923	114	21	29.750	80	78	83	c	cu nb	ne	8	30	4	se
ITASCA	193707150240	12.3	278	c/cs	193707141510	0.0942	173.5880		0	0.000	0	0	0				0	0	0	
SWAN	193707150300	0.9	268		193707151500	-1.4668	176.6785	e	4	29.680	85	87	85	bc	a cu	e	4	45	1	e
ITASCA	193707150315	13.3	319	c/c	193707141545	0.1099	173.4694		0	0.000	0	0	0				0	0	0	
ITASCA	193707150322	1.6	353	c/s	193707141552	0.1296	173.4525		0	0.000	0	0	0				0	0	0	
COLORAD	193707150330	13.8	39		193707141700	14.2097	194.6445	ene	18	29.740	81	77	82	c	st cu	ene	9	35	4	e
CUSHING	193707150330	14.3	360		193707141600	0.4335	180.0567	e	11	29.570	80	80	82	c	ci cu	e	9	35	2	e
DRAYTON	193707150330	15.8	357		193707141600	0.5360	180.9477	ese	24	29.600	79	79	80	c	st cu	ese	8	30	4	ese
ITASCA	193707150330	1.6	353		193707141600	0.1332	173.4521	sexs	11	29.740	84	80	84	c	cu	e	7	25	1	sexs
LAMSON	193707150330	15.7	357		193707141600	0.5871	178.9507	ese	11	29.940	78	77	83	cq	cu	se	8	30	1	e

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
LEX	193707150330	14.3	358	met	193707141600	0.4833	179.9833	114	21	29.740	80	79	83	c	cu	ne	8	30	4	se
SWAN	193707150345	4.9	245	c/cs	193707151545	-1.4673	176.6668		0	0.000	0	0	0				0	0	0	
SWAN	193707150400	4.9	245		193707151600	-1.4757	176.6484	ne	4	29.660	88	89	86	bc	a cu	ne	4	45	1	e
LEX	193707150420	14.3	358	c/s	193707141650	0.7097	179.9775		0	0.000	0	0	0				0	0	0	
LEX	193707150424	13.5	109	c/c	193707141654	0.7256	179.9771		0	0.000	0	0	0				0	0	0	
COLORAD	193707150430	13.8	39		193707141800	14.3884	194.7931	ene	21	29.760	81	77	81	c	st cu	ene	9	35	4	e
CUSHING	193707150430	14.3	360		193707141700	0.6716	180.0549	e	16	29.560	81	80	81	bc	ci cu	e	6	35	2	e
DRAYTON	193707150430	15.8	357		193707141700	0.7993	180.9347	ese	24	29.580	80	80	80	c	ci cu	ese	8	30	4	ese
ITASCA	193707150430	1.6	353		193707141700	0.1602	173.4487	se	16	29.730	83	81	84	bc	a cu	e	7	25	1	se
LAMSON	193707150430	15.7	357		193707141700	0.8489	178.9384	ese	11	29.910	82	76	83	c	a cu	se	8	30	1	e
LEX	193707150430	13.5	109		193707141700	0.7181	179.9983	110	15	29.710	80	79	83	c	a cu	ne	8	30	4	se
ITASCA	193707150440	11.1	232	c/cs	193707141710	0.1647	173.4481		0	0.000	0	0	0				0	0	0	
SWAN	193707150449	4.9	270	c/c	193707151649	-1.5034	176.5884		0	0.000	0	0	0				0	0	0	
LAMSON	193707150459	11.7	356	c/s	193707141729	0.9755	178.9324		0	0.000	0	0	0				0	0	0	
CUSHING	193707150500	1.6	184	c/s	193707141730	0.7906	180.0539		0	0.000	0	0	0				0	0	0	
SWAN	193707150500	4.9	270		193707151700	-1.5036	176.5733	e	4	29.690	92	96	86	bc	a cu	ne	4	40	1	e
LEX	193707150502	0.6	314	c/cs	193707141732	0.6781	180.1116		0	0.000	0	0	0				0	0	0	
ITASCA	193707150510	8.6	234	c/s	193707141740	0.1074	173.3757		0	0.000	0	0	0				0	0	0	
ITASCA	193707150512	9.8	279	c/c	193707141742	0.1046	173.3719		0	0.000	0	0	0				0	0	0	
CUSHING	193707150517	5.6	279	c/cs	193707141747	0.7830	180.0534		0	0.000	0	0	0				0	0	0	
COLORAD	193707150530	13.8	39		193707141900	14.5672	194.9418	ene	18	29.760	81	77	82	c	st cu	ene	9	30	4	e
CUSHING	193707150530	5.6	279		193707141800	0.7863	180.0335	e	11	29.550	82	81	82	bc	ci cu	e	6	30	2	e
DRAYTON	193707150530	5.9	352	c/s	193707141800	1.0626	180.9216	ese	20	29.600	79	79	80	c	ci cu	ese	8	30	4	ese
ITASCA	193707150530	9.8	279		193707141800	0.1127	173.3234	se	11	29.740	83	80	84	c	cu	se	8	25	1	sse
LAMSON	193707150530	14.7	357	c/s	193707141800	1.0763	178.9261	ese	11	29.930	81	77	83	c	a cu	se	7	30	1	e
LEX	193707150530	0.6	314		193707141800	0.6812	180.1083	120	2	29.720	80	79	83	bc	a cu		6	30	4	
COLORAD	193707150536	14.5	9	c/c	193707141906	14.5851	194.9567		0	0.000	0	0	0				0	0	0	
COLORAD	193707150540	13.8	39	c/c	193707141910	14.6010	194.9594		0	0.000	0	0	0				0	0	0	
LAMSON	193707150542	4.3	94	c/cs	193707141812	1.1254	178.9236		0	0.000	0	0	0				0	0	0	
DRAYTON	193707150543	6.6	295	c/c	193707141813	1.0835	180.9188		0	0.000	0	0	0				0	0	0	
DRAYTON	193707150550	6.5	304	c/c	193707141820	1.0890	180.9072		0	0.000	0	0	0				0	0	0	
SWAN	193707150600	4.9	270		193707151800	-1.5042	176.4910	e	4	29.690	85	87	86	bc	a cu	ne	4	30	1	e
DRAYTON	193707150610	5.5	131	c/c	193707141840	1.1093	180.8773		0	0.000	0	0	0				0	0	0	
DRAYTON	193707150615	0.8	256	c/s	193707141845	1.1042	180.8830		0	0.000	0	0	0				0	0	0	
LAMSON	193707150621	4.2	82	c/c	193707141851	1.1222	178.9698		0	0.000	0	0	0				0	0	0	
COLORAD	193707150630	13.3	47	fixx	193707142000	14.7500	195.0833	ene	17	29.790	80	77	82	c	cu	ene	8	20	4	e
CUSHING	193707150630	5.6	279		193707141900	0.8015	179.9418	e	11	29.560	82	81	82	bc	a cu	e	6	30	2	e
DRAYTON	193707150630	0.8	256		193707141900	1.1034	180.8797	ese	20	29.640	82	80	80	c	st cu	ese	8	25	3	ese
ITASCA	193707150630	9.8	279		193707141900	0.1397	173.1617	se	11	29.770	83	80	84	c	a cu	se	9	25	1	sse
LAMSON	193707150630	4.2	82		193707141900	1.1237	178.9802	ese	11	29.940	82	79	83	c	a cu	se	7	25	1	e
LEX	193707150630	0.6	314		193707141900	0.6878	180.1014		0	29.720	80	78	0	bc	a cu		4	30	0	
SWAN	193707150640	3.8	2	c/c	193707151840	-1.5045	176.4361		0	0.000	0	0	0				0	0	0	
SWAN	193707150645	4.9	270	c/c	193707151845	-1.4993	176.4363		0	0.000	0	0	0				0	0	0	
SWAN	193707150700	4.9	270		193707151900	-1.4994	176.4157	e	4	29.700	85	85	86	bc	a cu	ne	5	10	1	e
COLORAD	193707150705	13.3	47	c/c	193707142035	14.8424	195.1773		0	0.000	0	0	0				0	0	0	
COLORAD	193707150730	13.3	47		193707142100	14.9060	195.2469	ene	21	29.790	80	77	81	bc	cu	ne	4	20	4	e
CUSHING	193707150730	5.7	296	fixx	193707142000	0.8167	179.8500	e	7	29.570	82	81	81	bc	a cu	e	7	20	2	e
DRAYTON	193707150730	1.5	259	fixx	193707142000	1.1000	180.8667	ese	16	29.640	80	79	81	bc	st cu	ese	8	25	3	ese
ITASCA	193707150730	10.5	267	fixx	193707142000	0.1667	173.0000	se	11	29.770	82	79	84	bc	a cu	se	5	20	1	sse
LAMSON	193707150730	5.7	81	fixx	193707142000	1.1333	179.0500	ese	11	29.940	81	79	83	c	a cu	se	7	25	1	e
LEX	193707150730	1.5	241	fixx	193707142000	0.6944	180.0944	048	3	29.750	80	79	83	bc	a st	ne	4	15	1	e
LAMSON	193707150744	5.7	81	c/c	193707142014	1.1353	179.0723		0	0.000	0	0	0				0	0	0	
SWAN	193707150800	4.3	31	fixx	193707152000	-1.5000	176.3333	e	4	29.700	84	85	86	bc	ci cu	e	4	10	1	e
SWAN	193707150809	4.3	31	c/c	193707152009	-1.5005	176.3260		0	0.000	0	0	0				0	0	0	
COLORAD	193707150830	13.3	47		193707142200	15.0586	195.4140	ene	20	29.800	80	76	81	bc	cu	ne	2	20	4	e
CUSHING	193707150830	5.7	296		193707142100	0.8578	179.7642	e	7	29.580	81	80	81	bc	a cu	e	7	20	2	e
DRAYTON	193707150830	1.5	259		193707142100	1.0951	180.8418	ese	16	29.620	80	78	81	bc	st cu	ese	8	25	3	ese
ITASCA	193707150830	10.5	267		193707142100	0.1560	172.8250	se	11	29.770	82	79	84	bc	a cu	se	5	20	1	sse
LAMSON	193707150830	5.7	81		193707142100	1.1471	179.1443	ese	11	29.930	81	78	83	bc	cu	se	8	25	1	e
LEX	193707150830	1.5	241		193707142100	0.6824	180.0725	080	1	29.750	80	79	83	bc	a st	ne	4	15	1	e
CUSHING	193707150857	5.7	310	c/c	193707142127	0.8762	179.7256		0	0.000	0	0	0				0	0	0	
SWAN	193707150900	4.7	143	c/c	193707152100	-1.4485	176.3567	e	4	29.710	83	84	86	bc	a cu	e	5	10	1	e
COLORAD	193707150927	13.5	13	c/c	193707142257	15.2036	195.5728		0	0.000	0	0	0				0	0	0	

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
COLORAD	193707150930	13.5	13		193707142300	15.2145	195.5755	ene	20	29.810	80	76	81	bc	cu	ne	5	20	4	e
CUSHING	193707150930	5.7	310		193707142200	0.9101	179.6858	e	7	29.580	81	80	81	bc	a cu	e	7	20	2	e
DRAYTON	193707150930	1.5	259		193707142200	1.0902	180.8169	ese	16	29.620	80	78	81	bc	st cu	ese	8	25	3	ese
ITASCA	193707150930	10.5	267		193707142200	0.1453	172.6499	se	11	29.780	82	79	84	bc	cu	se	2	20	1	sse
LAMSON	193707150930	5.7	81		193707142200	1.1626	179.2382	ese	11	29.930	80	78	83	bc	ci cu	se	7	25	1	e
LEX	193707150930	1.5	241		193707142200	0.6704	180.0505		0	29.750	80	79	83	c	a st	ne	7	15	1	e
COLORAD	193707150932	13.3	47	c/c	193707142302	15.2218	195.5772		0	0.000	0	0	0				0	0	0	
SWAN	193707150945	4.4	40	c/c	193707152145	-1.4957	176.3919		0	0.000	0	0	0				0	0	0	
ITASCA	193707151000	8.9	356	c/c	193707142230	0.1399	172.5624		0	0.000	0	0	0				0	0	0	
SWAN	193707151000	4.4	40		193707152200	-1.4815	176.4036	e	6	29.710	82	83	86	bc	a cu	e	5	10	1	e
COLORAD	193707151030	13.3	47		193707142400	15.3693	195.7390	ene	20	29.820	80	76	81	bc	cu	ne	4	20	4	e
CUSHING	193707151030	5.7	310		193707142300	0.9716	179.6133	e	7	29.570	80	80	82	bc	a cu	e	7	20	2	e
DRAYTON	193707151030	1.5	259		193707142300	1.0852	180.7920	ese	16	29.620	80	78	81	bc	st cu	ese	8	25	3	ese
ITASCA	193707151030	8.9	356		193707142300	0.2137	172.5568	ese	11	29.780	82	79	84	bc	cu	se	3	20	1	sse
LAMSON	193707151030	5.7	81		193707142300	1.1780	179.3321	se	11	29.910	80	78	83	bc	ci st	se	9	25	1	e
LEX	193707151030	1.5	241		193707142300	0.6583	180.0286	142	3	29.750	80	79	83	c	a st	ne	8	15	1	e
LEX	193707151045	5.7	331	c/cs	193707142315	0.6553	180.0231		0	0.000	0	0	0				0	0	0	
SWAN	193707151053	4.7	143	c/c	193707152253	-1.4312	176.4451		0	0.000	0	0	0				0	0	0	
SWAN	193707151100	4.7	143		193707152300	-1.4386	176.4506	e	6	29.710	82	82	86	bc	st cu	e	5	10	1	e
COLORAD	193707151130	13.3	47		193707150100	15.5219	195.9064	ene	20	29.820	78	76	81	bc	cu	ne	2	20	2	e
CUSHING	193707151130	5.7	310		193707142400	1.0331	179.5408	e	7	29.570	80	80	81	bc	a cu	e	7	20	2	e
DRAYTON	193707151130	1.5	259		193707142400	1.0803	180.7672	ese	16	29.610	80	79	81	c	st cu	ese	8	25	3	ese
ITASCA	193707151130	8.9	356		193707142400	0.3613	172.5456	ese	11	29.780	83	80	84	bc	cu	se	2	20	1	sse
LAMSON	193707151130	5.7	81		193707142400	1.1935	179.4260	se	11	29.910	80	78	83	bc	ci	se	9	25	1	e
LEX	193707151130	5.7	331		193707142400	0.7178	179.9884	170	3	29.740	80	79	83	c	a st	ne	7	15	1	e
SWAN	193707151145	4.8	135	c/c	193707152345	-1.4858	176.4858		0	0.000	0	0	0				0	0	0	
SWAN	193707151200	2.3	163	radm	193707152400	-1.5000	176.5000	e	8	29.700	82	82	86	bc	ci cu	e	4	10	1	e
COLORAD	193707151230	13.3	47		193707150200	15.6745	196.0740	ene	19	29.800	79	75	81	bc	cu	ne	3	20	2	e
CUSHING	193707151230	5.7	310		193707150100	1.0947	179.4682	e	16	29.570	80	80	80	bc	a cu	e	6	20	5	e
DRAYTON	193707151230	1.5	259		193707150100	1.0754	180.7423	ese	7	29.620	80	79	80	c	st cu	ese	8	18	3	ese
ITASCA	193707151230	8.9	356		193707150100	0.5088	172.5344	ese	7	29.750	83	80	84	bc	cu	ese	3	20	1	ese
LAMSON	193707151230	5.7	81		193707150100	1.2089	179.5200	ese	16	29.910	80	77	83	bc	ci	e	4	10	1	e
LEX	193707151230	5.7	331		193707150100	0.8011	179.9423	120	15	29.740	80	79	83	bc	cu		5	20	1	se
SWAN	193707151300	2.3	163		193707160100	-1.5373	176.5115	e	8	29.680	83	83	86	bc	a cu	e	1	10	1	e
COLORAD	193707151330	13.3	47		193707150300	15.8271	196.2417	e	20	29.800	79	75	81	bc	cu	e	2	20	2	e
CUSHING	193707151330	5.7	310		193707150200	1.1562	179.3957	e	16	29.570	80	80	81	bc	a cu	e	6	20	5	e
DRAYTON	193707151330	1.5	259		193707150200	1.0705	180.7174	ese	16	29.620	80	79	81	c	st cu	ese	8	18	3	ese
ITASCA	193707151330	8.9	356		193707150200	0.6563	172.5233	ese	11	29.740	82	79	84	bc	st cu	ene	5	20	1	ese
LAMSON	193707151330	5.7	81		193707150200	1.2244	179.6139	ese	16	29.910	80	76	83	c	st	ne	8	10	1	e
LEX	193707151330	5.7	331		193707150200	0.8845	179.8961	122	13	29.740	81	79	83	c	cu		6	20	1	se
SWAN	193707151400	5.5	270	c/c	193707160200	-1.5747	176.5230	e	8	29.690	82	83	86	bc	a cu	e	1	10	1	e
SWAN	193707151420	5.5	270	c/s	193707160220	-1.5749	176.4923		0	0.000	0	0	0				0	0	0	
COLORAD	193707151430	13.3	47		193707150400	15.9797	196.4095	e	20	29.800	79	75	81	bc	cu	e	2	20	2	e
CUSHING	193707151430	5.7	310		193707150300	1.2177	179.3232	e	16	29.560	82	81	81	bc	a cu	e	6	20	5	e
DRAYTON	193707151430	4.7	40	c/cs	193707150300	1.0655	180.6925	ese	16	29.620	80	79	81	c	st cu	ese	8	18	3	ese
ITASCA	193707151430	8.9	356		193707150300	0.8039	172.5121	ese	7	29.730	82	79	84	cg	st cu	ene	6	20	1	ese
LAMSON	193707151430	5.7	81		193707150300	1.2398	179.7078	ese	16	29.900	80	76	83	co	st	ne	8	10	1	e
LEX	193707151430	5.7	331		193707150300	0.9678	179.8499	127	16	29.740	81	79	83	c	st cu		9	20	2	se
SWAN	193707151500	5.5	270		193707160300	-1.5753	176.4309	e	6	29.680	82	83	86	bc	a cu	e	1	10	1	e
COLORAD	193707151530	13.3	47		193707150500	16.1323	196.5775	e	20	29.800	79	75	81	bc	a cu	e	2	20	2	e
CUSHING	193707151530	5.7	310		193707150400	1.2792	179.2507	se	16	29.560	81	81	82	bc	a cu	se	6	20	5	se
DRAYTON	193707151530	4.7	40		193707150400	1.1262	180.7431	ese	16	29.620	80	79	80	c	st cu	ese	8	18	3	ese
ITASCA	193707151530	8.9	356		193707150400	0.9514	172.5009	exn	7	29.730	82	79	84	bc	st cu	ene	5	20	1	ese
LAMSON	193707151530	5.7	81		193707150400	1.2553	179.8017	ese	16	29.890	80	76	83	bc	st	ne	6	10	1	e
LEX	193707151530	5.7	331		193707150400	1.0511	179.8038	122	13	29.720	79	79	84	or	nb		10	20	2	se
CUSHING	193707151545	9.9	4	c/cs	193707150415	1.2946	179.2326		0	0.000	0	0	0				0	0	0	
SWAN	193707151600	5.5	270		193707160400	-1.5760	176.3389	e	8	29.680	82	83	86	bc	a cu	e	1	10	1	e
COLORAD	193707151630	13.3	47		193707150600	16.2849	196.7455	e	17	29.800	79	75	80	bc	a cu	e	3	25	2	e
CUSHING	193707151630	9.9	4		193707150500	1.4174	179.2422	se	16	29.570	80	80	82	bc	st cu	se	4	10	5	se
DRAYTON	193707151630	4.7	40		193707150500	1.1869	180.7937	ese	20	29.630	80	79	81	bc	st cu	se	7	15	3	ese
ITASCA	193707151630	8.9	356		193707150500	1.0990	172.4897	nexe	7	29.740	82	80	84	op	st cu	ne	6	20	1	ese
LAMSON	193707151630	5.7	81		193707150500	1.2707	179.8957	ese	16	29.900	79	76	83	bc	st	ne	5	10	1	e
LEX	193707151630	5.7	331		193707150500	1.1344	179.7576	128	14	29.720	79	80	84	bc	st cu		6	25	2	se

Ship	Timez	Speed	Heading	Comment	Timel	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
CUSHING	193707151640	9.9	237	c/c	193707150510	1.4447	179.2444		0	0.000	0	0	0				0	0	0	
SWAN	193707151700	5.5	270		193707160500	-1.5766	176.2468	e	10	29.700	82	82	86	bc	a cu e	2	10	1	e	
ITASCA	193707151728	8.5	94	c/c	193707150558	1.2416	172.4789		0	0.000	0	0	0				0	0	0	
COLORAD	193707151730	13.3	47		193707150700	16.4375	196.9137	e	17	29.820	78	73	80	bc	a cu e	3	25	2	e	
CUSHING	193707151730	9.9	237		193707150600	1.3708	179.1287	se	16	29.590	80	80	82	bc	st cu se	6	10	5	se	
DRAYTON	193707151730	4.7	40		193707150600	1.2476	180.8443	ese	20	29.620	80	79	81	bc	st cu se	7	20	3	ese	
ITASCA	193707151730	8.5	94		193707150600	1.2412	172.4836	nexe	7	29.760	82	80	84	bc	a cu ne	3	20	1	ese	
LAMSON	193707151730	5.7	81		193707150600	1.2862	179.9896	ene	11	29.940	79	76	83	cq	st ni ne	8	10	1	e	
LEX	193707151730	5.7	331		193707150600	1.2178	179.7114	132	13	29.750	80	80	84	bc	st cu	8	25	2	se	
SWAN	193707151730	10.4	263	c/s	193707160530	-1.5770	176.2007		0	0.000	0	0	0				0	0	0	
COLORAD	193707151737	13.6	358	c/c	193707150707	16.4553	196.9334		0	0.000	0	0	0				0	0	0	
LAMSON	193707151743	5.5	353	c/cs	193707150613	1.2895	180.0099		0	0.000	0	0	0				0	0	0	
COLORAD	193707151745	13.3	47	c/c	193707150715	16.4856	196.9321		0	0.000	0	0	0				0	0	0	
SWAN	193707151800	10.4	263		193707160600	-1.5881	176.1144	e	10	29.710	82	82	86	bc	a cu e	3	25	1	e	
CUSHING	193707151802	5.9	236	c/s	193707150632	1.3236	179.0547		0	0.000	0	0	0				0	0	0	
LEX	193707151809	13.7	93	c/cs	193707150639	1.2719	179.6814		0	0.000	0	0	0				0	0	0	
SWAN	193707151816	9.9	243	c/c	193707160616	-1.5940	176.0684		0	0.000	0	0	0				0	0	0	
COLORAD	193707151830	13.7	47	fixx	193707150800	16.6000	197.0583	e	19	29.820	78	74	81	bc	a cu e	4	25	2	e	
CUSHING	193707151830	5.9	236		193707150700	1.2983	179.0166	se	16	29.630	78	78	82	qr	cu nb se	9	5	5	se	
DRAYTON	193707151830	14.5	77	c/cs	193707150700	1.3083	180.8949	ese	20	29.640	81	81	81	bc	st cu se	7	35	3	ese	
ITASCA	193707151830	11.3	57	c/cs	193707150700	1.2306	172.6253	e	11	29.770	82	80	84	bc	cu e	4	20	1	ese	
LAMSON	193707151830	5.5	353		193707150700	1.3607	180.0015	sse	16	29.940	81	78	83	cq	cu nb ne	8	25	1	sse	
LEX	193707151830	13.7	93		193707150700	1.2671	179.7613	103	19	29.750	81	80	84	bc	a cu ne	8	25	2	se	
LEX	193707151844	13.9	108	c/c	193707150714	1.2639	179.8145		0	0.000	0	0	0				0	0	0	
DRAYTON	193707151900	15.8	355	c/c	193707150730	1.3358	181.0125		0	0.000	0	0	0				0	0	0	
SWAN	193707151900	9.9	243		193707160700	-1.6496	175.9613	e	10	29.720	82	82	86	bc	a cu e	2	40	1	e	
LEX	193707151901	14.2	355	c/c	193707150731	1.2441	179.8773		0	0.000	0	0	0				0	0	0	
LAMSON	193707151907	15.7	3	c/cs	193707150737	1.4168	179.9949		0	0.000	0	0	0				0	0	0	
CUSHING	193707151910	15.8	3	c/cs	193707150740	1.2621	178.9622		0	0.000	0	0	0				0	0	0	
COLORAD	193707151930	13.7	47		193707150900	16.7563	197.2310	e	19	29.830	79	75	81	bc	a cu e	4	35	3	e	
CUSHING	193707151930	16.2	1	fixx	193707150800	1.3500	178.9667	se	16	29.640	78	78	81	q	cu nb se	9	12	5	se	
DRAYTON	193707151930	15.4	359	fixx	193707150800	1.4667	181.0000	ese	20	29.610	82	82	81	bc	st cu se	6	35	3	ese	
ITASCA	193707151930	5.8	43	fixx	193707150800	1.3333	172.7833	e	11	29.770	83	80	84	c	cu e	6	20	1	ese	
LAMSON	193707151930	12.3	346	fixx	193707150800	1.5167	180.0000	se	16	29.960	81	79	83	cq	cu nb se	7	30	1	sse	
LEX	193707151930	17.5	354	fixx	193707150800	1.3583	179.8667	116	27	29.760	81	81	84	bc	a cu ne	9	25	2	se	
SWAN	193707152000	9.9	243		193707160800	-1.7253	175.8154	e	10	29.740	83	89	86	bc	a cu e	2	45	1	e	
ITASCA	193707152001	5.8	43	c/c	193707150831	1.3923	172.8768		0	0.000	0	0	0				0	0	0	
ITASCA	193707152020	0.4	84	c/s	193707150850	1.4147	172.8974		0	0.000	0	0	0				0	0	0	
COLORAD	193707152030	13.7	47		193707151000	16.9125	197.4039	e	21	29.820	79	74	81	bc	ci e	2	40	3	e	
CUSHING	193707152030	16.2	1		193707150900	1.6202	178.9714	se	16	29.640	78	78	82	q	cu nb se	9	10	5	se	
DRAYTON	193707152030	15.4	359		193707150900	1.7229	180.9958	ese	20	29.630	82	82	80	bc	st cu se	6	35	3	ese	
ITASCA	193707152030	0.4	84		193707150900	1.4148	172.8984	e	11	29.790	83	80	84	bc	a cu e	5	20	1	ese	
LAMSON	193707152030	12.3	346		193707150900	1.7152	179.9500	ese	16	29.990	82	78	83	c	cu nb ese	7	25	1	e	
LEX	193707152030	17.5	354		193707150900	1.6489	179.8338	104	22	29.780	83	83	84	cp	cu nb ne	8	25	2	se	
SWAN	193707152100	9.9	243		193707160900	-1.8011	175.6694	e	10	29.760	84	84	86	bc	a cu e	2	45	1	e	
SWAN	193707152110	1.9	301	c/s	193707160910	-1.8137	175.6451		0	0.000	0	0	0				0	0	0	
CUSHING	193707152120	16.5	1	c/s	193707150950	1.8454	178.9753		0	0.000	0	0	0				0	0	0	
COLORAD	193707152130	13.7	47		193707151100	17.0688	197.5769	e	21	29.860	78	77	81	bc	ci e	3	40	3	e	
CUSHING	193707152130	16.5	1		193707151000	1.8912	178.9761	se	20	29.640	74	74	82	q	cu nb se	10	12	5	se	
DRAYTON	193707152130	15.4	359		193707151000	1.9792	180.9917	ese	20	29.630	82	82	80	bc	st cu se	6	35	3	ese	
ITASCA	193707152130	0.4	84		193707151000	1.4154	172.9045	e	11	29.800	83	80	84	bc	a cu e	5	25	1	ese	
LAMSON	193707152130	12.3	346		193707151000	1.9137	179.9000	ese	16	29.990	83	80	83	c	a cu ese	7	25	1	e	
LEX	193707152130	17.5	354		193707151000	1.9395	179.8010	120	19	29.790	83	83	84	cp	cu nb ne	8	25	2	se	
LEX	193707152143	12.1	115	c/c	193707151013	2.0025	179.7939		0	0.000	0	0	0				0	0	0	
SWAN	193707152200	1.9	301		193707161000	-1.7999	175.6220	ese	10	29.760	83	84	86	bc	a cu ese	2	45	1	e	
LEX	193707152224	25.5	356	c/cs	193707151054	1.9448	179.9195		0	0.000	0	0	0				0	0	0	
LAMSON	193707152227	19.1	351	c/s	193707151057	2.1024	179.8525		0	0.000	0	0	0				0	0	0	
COLORAD	193707152230	13.0	44	fixx	193707151200	17.2250	197.7500	e	20	29.860	78	77	80	bc	ci e	2	40	3	e	
CUSHING	193707152230	16.5	1		193707151100	2.1664	178.9809	se	20	29.620	77	76	82	c	cu nb se	7	25	5	se	
DRAYTON	193707152230	15.4	359		193707151100	2.2354	180.9875	ese	24	29.630	79	79	81	bc	st cu se	7	35	3	ese	
ITASCA	193707152230	0.4	84		193707151100	1.4160	172.9106	e	11	29.800	84	81	84	bc	a cu e	5	20	1	ese	
LAMSON	193707152230	19.1	351		193707151100	2.1181	179.8500	ese	16	29.950	85	80	83	c	a cu ese	7	30	1	e	
LEX	193707152230	25.5	356		193707151100	1.9872	179.9162	125	18	29.780	83	83	84	cp	cu nb ne	8	25	2	se	

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
SWAN	193707152300	1.9	301		193707161100	-1.7833	175.5943	e	10	29.740	83	84	86	bc	a cu	e	2	45	1	e
CUSHING	193707152315	14.5	359	c/cs	193707151145	2.3728	178.9846		0	0.000	0	0	0				0	0	0	
COLORAD	193707152330	13.0	44		193707151300	17.3813	197.9074	ne	22	29.850	80	75	81	bc	ci	ene	3	45	3	e
CUSHING	193707152330	9.1	1	fixx	193707151200	2.4333	178.9833	se	20	29.600	83	79	80	c	cu nb	se	7	25	4	se
DRAYTON	193707152330	15.9	357	fixx	193707151200	2.4917	180.9833	ese	24	29.640	81	81	81	bc	st cu	se	7	35	3	ese
ITASCA	193707152330	0.8	305	fixx	193707151200	1.4167	172.9167	e	11	29.800	84	81	84	bc	a cu	e	1	20	1	ese
LAMSON	193707152330	17.0	7	fixx	193707151200	2.4333	179.8000	ese	16	29.950	85	80	83	c	a cu	ese	7	30	1	e
LEX	193707152330	11.4	137	fixx	193707151200	2.4111	179.8833	125	19	29.790	83	83	84	bc	cu	ne	6	35	1	se
SWAN	193707152400	8.6	280	fixx	193707161200	-1.7667	175.5667	e	10	29.740	83	84	86	bc	a cu	e	2	45	1	e
LEX	193707160023	11.4	137	c/cs	193707151253	2.7955	179.8562		0	0.000	0	0	0				0	0	0	
CUSHING	193707160025	9.1	1	c/s	193707151255	2.6493	178.9851		0	0.000	0	0	0				0	0	0	
COLORAD	193707160030	13.0	44		193707151400	17.5376	198.0650	ene	23	29.850	80	75	81	bc	ci	ene	3	45	3	e
CUSHING	193707160030	9.1	1		193707151300	2.6620	178.9853	e	20	29.580	83	83	82	bcp	cu nb	e	6	30	4	e
DRAYTON	193707160030	15.9	357		193707151300	2.7567	180.9681	ese	24	29.600	85	82	82	bc	st cu	e	6	30	3	ese
ITASCA	193707160030	0.8	305		193707151300	1.4243	172.9059	e	11	29.790	81	79	84	oq	cu nb	e	10	7	1	ese
LAMSON	193707160030	17.0	7		193707151300	2.7150	179.8352	se	16	29.930	84	80	84	c	cu nb	se	9	30	1	e
LEX	193707160030	11.4	137		193707151300	2.7792	179.8713	115	18	29.770	83	83	84	bc	cu nb	ne	9	30	1	se
SWAN	193707160040	8.6	280	c/cs	193707161240	-1.7655	175.5708		0	0.000	0	0	0				0	0	0	
CUSHING	193707160100	15.1	0	c/s	193707151330	2.7382	178.9863		0	0.000	0	0	0				0	0	0	
SWAN	193707160100	8.6	280		193707161300	-1.7571	175.5235	e	6	29.720	88	88	86	bc	a cu	e	3	45	1	e
CUSHING	193707160110	15.1	3	c/c	193707151340	2.7802	178.9866		0	0.000	0	0	0				0	0	0	
CUSHING	193707160126	17.6	2	c/s	193707151356	2.8474	178.9896		0	0.000	0	0	0				0	0	0	
COLORAD	193707160130	13.0	44		193707151500	17.6939	198.2226	e	19	29.850	80	75	81	bc	ci cu	e	5	45	3	e
CUSHING	193707160130	17.6	2		193707151400	2.8670	178.9904	e	20	29.570	83	83	82	bcp	cu nb	e	7	30	4	e
DRAYTON	193707160130	16.1	183	c/c	193707151400	3.0217	180.9528	e	24	29.560	85	82	82	bc	st cu	e	6	35	3	e
ITASCA	193707160130	0.8	305		193707151400	1.4319	172.8951	ese	7	29.780	83	80	84	b	cu nb	e	10	20	1	ese
LAMSON	193707160130	17.0	7		193707151400	2.9967	179.8704	se	16	29.920	80	78	84	c	cu nb	se	8	30	1	e
LEX	193707160130	11.4	137		193707151400	2.6394	180.0014	140	12	29.730	81	81	84	bc	cu nb	ne	8	35	1	se
LEX	193707160140	19.2	354	c/cs	193707151410	2.6162	180.0231		0	0.000	0	0	0				0	0	0	
LAMSON	193707160145	10.1	12	c/s	193707151415	3.0671	179.8792		0	0.000	0	0	0				0	0	0	
DRAYTON	193707160200	15.9	357	c/c	193707151430	2.8875	180.9452		0	0.000	0	0	0				0	0	0	
SWAN	193707160200	8.6	280		193707161400	-1.7319	175.3815	e	6	29.700	93	96	86	bc	a cu	e	4	45	1	e
ITASCA	193707160225	11.7	272	c/cs	193707151455	1.4389	172.8852		0	0.000	0	0	0				0	0	0	
COLORAD	193707160230	13.0	44		193707151600	17.8502	198.3804	exn	19	29.850	80	74	81	bc	ci cu	e	5	45	2	ne
CUSHING	193707160230	17.6	2		193707151500	3.1608	179.0032	e	24	29.540	81	79	82	bcp	cu nb	e	7	30	4	e
DRAYTON	193707160230	15.9	357		193707151500	3.0200	180.9376	e	24	29.560	85	82	82	bc	st cu	e	6	35	3	e
ITASCA	193707160230	11.7	272		193707151500	1.4396	172.8690	ese	7	29.750	84	80	84	c	ci st	e	8	20	1	ese
LAMSON	193707160230	10.1	12		193707151500	3.1909	179.9056	se	16	29.910	82	79	84	c	cu	se	9	30	1	e
LEX	193707160230	19.2	354		193707151500	2.8815	179.9975	112	16	29.730	82	82	84	bc	cu nb		8	35	1	se
SWAN	193707160300	8.6	280		193707161500	-1.7067	175.2395	se	6	29.690	89	90	86	bc	a cu	se	5	45	1	e
ITASCA	193707160301	10.6	182	c/c	193707151531	1.4435	172.7687		0	0.000	0	0	0				0	0	0	
COLORAD	193707160330	13.0	44		193707151700	18.0064	198.5383	exn	17	29.840	80	74	81	bc	cu	e	5	45	2	ne
CUSHING	193707160330	15.1	3	c/s	193707151600	3.4546	179.0159	e	24	29.540	81	79	83	bcp	cu nb	ese	7	30	4	e
DRAYTON	193707160330	15.9	357		193707151600	3.2851	180.9223	e	24	29.560	84	82	82	q	st cu	e	8	30	3	e
ITASCA	193707160330	10.6	182		193707151600	1.3586	172.7650	ese	11	29.740	83	79	84	c	a s	se	9	20	1	se
LAMSON	193707160330	10.1	12		193707151600	3.3559	179.9408	se	16	29.900	83	79	84	c	a cu	se	9	30	1	e
LEX	193707160330	15.0	109	met	193707151600	3.2000	179.9667	105	19	29.720	83	82	84	bc	cu		6	35	1	se
CUSHING	193707160347	0.9	172	c/s	193707151617	3.5260	179.0191		0	0.000	0	0	0				0	0	0	
CUSHING	193707160355	4.1	4	c/s	193707151625	3.5241	179.0193		0	0.000	0	0	0				0	0	0	
CUSHING	193707160359	14.1	3	c/s	193707151629	3.5287	179.0197		0	0.000	0	0	0				0	0	0	
LEX	193707160400	15.0	109	c/c	193707151630	3.3423	179.9613		0	0.000	0	0	0				0	0	0	
SWAN	193707160400	8.6	280		193707161600	-1.6815	175.0975	se	6	29.690	90	93	86	bc	a cu	se	5	45	1	e
ITASCA	193707160405	10.3	90	c/c	193707151635	1.2561	172.7606		0	0.000	0	0	0				0	0	0	
SWAN	193707160424	8.8	312	c/c	193707161624	-1.6714	175.0407		0	0.000	0	0	0				0	0	0	
COLORAD	193707160430	13.0	44		193707151800	18.1627	198.6963	exn	17	29.850	79	74	80	bc	ci cu	ne	6	45	2	ne
CUSHING	193707160430	14.1	3		193707151700	3.6503	179.0252	e	11	29.540	82	79	83	c	cu nb	ese	8	30	2	e
DRAYTON	193707160430	15.9	357		193707151700	3.5501	180.9071	e	24	29.520	83	81	82	bc	st cu	e	8	30	3	ese
ITASCA	193707160430	10.3	90		193707151700	1.2566	172.8325	ese	11	29.740	83	80	84	c	a s	se	8	25	2	ese
LAMSON	193707160430	10.1	12		193707151700	3.5210	179.9760	se	16	29.900	84	79	83	c	a cu	se	6	30	1	e
LEX	193707160430	15.0	109		193707151700	3.3012	180.0798	110	18	29.720	84	81	84	c	ci cu		7	35	1	e
SWAN	193707160445	8.9	328	c/c	193707161645	-1.6371	175.0027		0	0.000	0	0	0				0	0	0	
LEX	193707160447	16.7	274	c/c	193707151717	3.2780	180.1469		0	0.000	0	0	0				0	0	0	
LAMSON	193707160450	14.3	245	c/cs	193707151720	3.5760	179.9878		0	0.000	0	0	0				0	0	0	

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
SWAN	193707160500	8.9	328		193707161700	-1.6055	174.9833	ene	4	29.680	85	83	86	bc	a cu	e	4	45	1	e
LEX	193707160524	16.0	294	c/cs	193707151754	3.2890	179.9755		0	0.000	0	0	0				0	0	0	
LAMSON	193707160525	11.9	267	c/c	193707151755	3.5167	179.8621		0	0.000	0	0	0				0	0	0	
COLORAD	193707160530	13.0	44		193707151900	18.3190	198.8545	ene	17	29.860	79	74	80	bc	cu	ne	5	40	2	ne
CUSHING	193707160530	14.1	3		193707151800	3.8858	179.0359	e	16	29.550	82	80	83	c	cu nb	ese	9	25	2	e
DRAYTON	193707160530	15.9	357		193707151800	3.8151	180.8918	e	24	29.620	82	81	81	cp	st cu	e	8	30	3	e
ITASCA	193707160530	10.3	90		193707151800	1.2579	173.0049	ese	11	29.760	86	82	84	c	st cu	e	8	25	2	ese
LAMSON	193707160530	11.9	267		193707151800	3.5157	179.8455	se	16	29.910	84	80	84	c	a cu	se	8	30	1	e
LEX	193707160530	16.0	294		193707151800	3.2997	179.9511	110	18	29.740	84	83	84	c	ci cu		7	35	1	e
LEX	193707160531	11.0	295	c/s	193707151801	3.3015	179.9470		0	0.000	0	0	0				0	0	0	
LAMSON	193707160533	7.7	251	c/s	193707151803	3.5151	179.8356		0	0.000	0	0	0				0	0	0	
DRAYTON	193707160535	15.3	289	c/cs	193707151805	3.8372	180.8905		0	0.000	0	0	0				0	0	0	
COLORAD	193707160536	13.5	15	c/c	193707151906	18.3347	198.8703		0	0.000	0	0	0				0	0	0	
CUSHING	193707160543	7.5	221	c/cs	193707151813	3.9368	179.0382		0	0.000	0	0	0				0	0	0	
COLORAD	193707160544	13.0	44	c/c	193707151914	18.3635	198.8786		0	0.000	0	0	0				0	0	0	
SWAN	193707160557	3.7	282	c/cs	193707161757	-1.4858	174.9095		0	0.000	0	0	0				0	0	0	
SWAN	193707160600	3.7	282		193707161800	-1.4851	174.9065	ene	6	29.700	84	84	86	bc		e	2	40	1	e
COLORAD	193707160630	13.7	48	fixx	193707152000	18.4833	199.0000	ene	17	29.890	79	75	81	bc	cu	ne	5	40	2	ne
CUSHING	193707160630	7.5	221		193707151900	3.8621	178.9738	e	11	29.570	83	75	83	c	cu	ese	9	15	3	e
DRAYTON	193707160630	15.3	289		193707151900	3.9150	180.6692	e	20	29.620	82	81	81	cp	st cu	e	8	30	3	e
ITASCA	193707160630	10.3	90		193707151900	1.2591	173.1774	ese	11	29.770	84	81	84	c	ci st	e	8	25	2	ese
LAMSON	193707160630	7.7	251		193707151900	3.4752	179.7208	se	16	29.940	84	80	84	c	cu nb	se	8	20	1	e
LEX	193707160630	11.0	295		193707151900	3.3778	179.7832	105	16	29.750	83	83	84	c	st cu		7	30	1	e
ITASCA	193707160633	10.4	87	c/c	193707151903	1.2592	173.1860		0	0.000	0	0	0				0	0	0	
LEX	193707160640	11.1	300	c/c	193707151910	3.3907	179.7554		0	0.000	0	0	0				0	0	0	
LEX	193707160641	11.0	295	c/c	193707151911	3.3922	179.7527		0	0.000	0	0	0				0	0	0	
SWAN	193707160700	3.7	282		193707161900	-1.4730	174.8468	e	6	29.710	85	85	86	bc	a cu	e	5	10	1	e
ITASCA	193707160725	10.4	86	c/c	193707151955	1.2658	173.3356		0	0.000	0	0	0				0	0	0	
COLORAD	193707160730	13.7	48		193707152100	18.6371	199.1771	ene	16	29.900	79	75	80	bc	cu	ne	4	40	2	ne
CUSHING	193707160730	6.6	220	fixx	193707152000	3.7667	178.8917	e	11	29.570	83	76	82	c	cu	ese	9	10	3	e
DRAYTON	193707160730	14.7	293	fixx	193707152000	4.0000	180.4278	e	20	29.630	82	81	82	bc	st cu	e	7	20	3	e
ITASCA	193707160730	11.4	91	fixx	193707152000	1.2667	173.3500	ese	11	29.780	83	80	84	c	a cu	e	6	25	2	ese
LAMSON	193707160730	8.0	288	fixx	193707152000	3.4333	179.6000	se	16	29.940	83	78	84	c	cu nb	se	8	20	1	e
LEX	193707160730	10.6	292	fixx	193707152000	3.4556	179.6167	104	11	29.780	83	83	84	c	st cu		8	25	1	e
DRAYTON	193707160800	14.7	293	c/c	193707152030	4.0432	180.3128		0	0.000	0	0	0				0	0	0	
SWAN	193707160800	3.7	282		193707162000	-1.4608	174.7872	e	6	29.740	85	85	86	bc	a cu	e	4	10	1	e
COLORAD	193707160830	13.7	48		193707152200	18.7908	199.3544	ne	18	29.900	78	75	80	bc	cu	ne	4	40	2	ne
CUSHING	193707160830	6.6	220		193707152100	3.6826	178.8217	e	11	29.600	84	82	82	c	st cu	ese	9	10	2	e
DRAYTON	193707160830	14.7	293		193707152100	4.0902	180.1994	e	20	29.630	82	81	82	bc	st cu	e	7	18	3	e
ITASCA	193707160830	11.4	91		193707152100	1.2639	173.5403	e	7	29.780	83	80	84	c	a cu	e	7	20	2	exs
LAMSON	193707160830	8.0	288		193707152100	3.4749	179.4730	se	11	29.990	83	80	84	c	a cu	se	7	20	1	e
LEX	193707160830	10.6	292		193707152100	3.5216	179.4519	110	14	29.790	83	83	84	c	st cu		10	25	1	e
SWAN	193707160900	3.7	282		193707162100	-1.4486	174.7276	e	6	29.760	85	85	86	bc	a cu	e	3	10	1	e
COLORAD	193707160930	13.7	48		193707152300	18.9445	199.5318	ne	18	29.900	78	74	80	bc	cu	ne	4	35	2	ne
CUSHING	193707160930	6.6	220		193707152200	3.5985	178.7518	e	11	29.600	83	81	82	bc	st cu	se	6	10	2	e
DRAYTON	193707160930	14.7	293		193707152200	4.1844	179.9726	e	20	29.640	82	81	82	bc	st cu	e	5	18	3	e
ITASCA	193707160930	11.4	91		193707152200	1.2612	173.7306	e	11	29.800	83	80	84	c	a cu	e	7	25	2	ese
LAMSON	193707160930	8.0	288		193707152200	3.5164	179.3461	ene	11	29.980	82	80	84	c	a cu	ene	7	20	1	e
LEX	193707160930	10.6	292		193707152200	3.5876	179.2871	115	12	29.810	83	83	84	c	st cu		9	25	1	e
COLORAD	193707160940	13.6	27	c/c	193707152310	18.9701	199.5614		0	0.000	0	0	0				0	0	0	
COLORAD	193707160945	13.7	48	c/c	193707152315	18.9870	199.5705		0	0.000	0	0	0				0	0	0	
SWAN	193707161000	3.7	282		193707162200	-1.4365	174.6679	e	4	29.760	85	85	86	bc	a cu	e	2	10	1	e
COLORAD	193707161030	13.7	48		193707152400	19.1023	199.7037	ene	18	29.900	78	74	80	bc	cu	ne	5	35	2	ne
CUSHING	193707161030	6.6	220		193707152300	3.5144	178.6819	e	11	29.630	83	81	82	cq	st cu	se	8	10	2	e
DRAYTON	193707161030	14.7	293		193707152300	4.2785	179.7457	e	16	29.650	82	82	82	bc	st cu	e	4	18	3	e
ITASCA	193707161030	11.4	91		193707152300	1.2585	173.9208	e	11	29.820	83	80	84	c	st cu	e	8	25	2	ese
LAMSON	193707161030	8.0	288		193707152300	3.5580	179.2191	ene	7	29.980	82	80	84	c	a cu	ene	7	20	1	e
LEX	193707161030	10.6	292		193707152300	3.6536	179.1223	115	10	29.820	82	82	85	c	st cu		8	25	1	se
SWAN	193707161100	3.7	282		193707162300	-1.4243	174.6083	e	6	29.760	84	85	86	bc	a cu	e	2	10	1	e
COLORAD	193707161130	13.7	48		193707160100	19.2560	199.8814	e	21	29.920	77	75	80	bc	cu	e	4	20	3	e
CUSHING	193707161130	6.6	220		193707152400	3.4303	178.6120	e	11	29.640	83	81	82	cq	st cu	se	8	10	2	e
DRAYTON	193707161130	14.7	293		193707152400	4.3727	179.5189	e	16	29.660	82	82	82	bc	st cu	e	4	18	3	e
ITASCA	193707161130	11.4	91		193707152400	1.2557	174.1111	ese	16	29.810	83	80	84	c	st cu	e	8	25	2	ese



Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
LAMSON	193707161130	8.0	288		193707152400	3.5995	179.0921	ene	7	30.000	82	80	84	c	nb	ene	7	20	1	e
LEX	193707161130	10.6	292		193707152400	3.7196	178.9575	105	14	29.820	82	82	86	c	st cu		9	25	1	se
SWAN	193707161200	3.7	282		193707162400	-1.4121	174.5487	e	6	29.760	85	85	86	bc	a cu	e	2	10	1	e
COLORAD	193707161230	13.7	48		193707160200	19.4097	200.0594	e	21	29.910	77	75	80	bc	cu	e	3	20	3	e
CUSHING	193707161230	6.6	220		193707160100	3.3462	178.5421	e	11	29.600	83	81	83	c	st cu	se	8	10	2	e
DRAYTON	193707161230	14.7	293		193707160100	4.4668	179.2919	ene	16	29.670	84	83	82	bc	st cu	e	5	20	3	ne
ITASCA	193707161230	11.4	91		193707160100	1.2530	174.3014	ese	11	29.800	82	79	84	bcp	st cu	e	5	20	2	e
LAMSON	193707161230	8.0	288		193707160100	3.6411	178.9652	ene	7	29.980	82	78	84	bc	cu	ne	8	20	1	e
LEX	193707161230	10.6	292		193707160100	3.7856	178.7926	098	15	29.810	81	82	85	op	cu nb		10	10	1	
SWAN	193707161300	3.7	282		193707170100	-1.4000	174.4890	e	8	29.750	84	84	86	bc	a cu	e	2	10	1	e
COLORAD	193707161330	13.7	48		193707160300	19.5634	200.2375	e	24	29.900	77	75	80	bc	cu	e	2	20	3	e
CUSHING	193707161330	6.6	220		193707160200	3.2621	178.4722	e	11	29.590	83	80	83	c	st cu	se	8	10	2	e
DRAYTON	193707161330	14.7	293		193707160200	4.5610	179.0650	ene	16	29.640	83	82	82	bc	st cu	e	5	20	2	ne
ITASCA	193707161330	11.4	91		193707160200	1.2503	174.4917	ese	11	29.780	82	79	84	bc	ci cu	e	2	20	2	e
LAMSON	193707161330	8.0	288		193707160200	3.6826	178.8382	ne	11	29.950	81	78	84	bc	cu	ne	7	20	1	e
LEX	193707161330	10.6	292		193707160200	3.8516	178.6278	100	10	29.800	80	80	85	bc	st cu		5	20	1	
COLORAD	193707161340	13.6	15	c/c	193707160310	19.5891	200.2672		0	0.000	0	0	0				0	0	0	
COLORAD	193707161345	13.7	48	c/c	193707160315	19.6074	200.2723		0	0.000	0	0	0				0	0	0	
SWAN	193707161400	4.3	43	c/c	193707170200	-1.3878	174.4294	e	8	29.750	84	84	86	bc	a cu	e	1	10	1	e
COLORAD	193707161430	13.7	48		193707160400	19.7227	200.4060	e	17	29.900	77	75	80	bc	cu	e	2	20	3	e
CUSHING	193707161430	6.6	220		193707160300	3.1781	178.4023	e	11	29.580	83	80	83	c	st cu	se	8	10	2	e
DRAYTON	193707161430	14.7	293		193707160300	4.6551	178.8380	ene	16	29.640	83	81	82	bc	st cu	e	5	25	2	ne
ITASCA	193707161430	11.4	91		193707160300	1.2475	174.6819	ese	11	29.780	82	80	84	bc	a cu	e	4	20	2	e
LAMSON	193707161430	8.0	288		193707160300	3.7241	178.7112	ne	11	29.950	81	79	84	bc	cu	ne	6	20	1	e
LEX	193707161430	10.6	292		193707160300	3.9176	178.4629	100	10	29.790	81	81	85	bc	st cu		5	20	1	
SWAN	193707161500	4.3	43		193707170300	-1.3350	174.4785	e	10	29.750	82	82	86	bc	a cu	e	1	10	1	e
COLORAD	193707161530	13.7	48		193707160500	19.8764	200.5844	e	20	29.880	77	74	80	bc	cu	e	4	20	3	e
CUSHING	193707161530	6.6	220		193707160400	3.0940	178.3325	e	11	29.580	83	80	83	c	st cu	se	8	10	2	e
DRAYTON	193707161530	14.7	293		193707160400	4.7493	178.6110	ene	16	29.640	83	81	82	bc	st cu	e	5	25	2	ne
ITASCA	193707161530	11.4	91		193707160400	1.2448	174.8722	ese	11	29.780	82	80	84	bc	a cu	e	4	20	2	e
LAMSON	193707161530	8.0	288		193707160400	3.7657	178.5842	ne	11	29.970	81	79	84	bc	cu	ne	6	20	1	e
LEX	193707161530	10.6	292		193707160400	3.9836	178.2981	110	10	29.780	81	81	85	bc	st cu		5	20	1	
SWAN	193707161600	4.3	43		193707170400	-1.2822	174.5276	e	10	29.740	82	82	86	bc	a cu	e	1	10	1	e
COLORAD	193707161630	13.7	48		193707160600	20.0301	200.7631	e	19	29.900	76	73	80	bc	a cu	e	5	21	2	e
CUSHING	193707161630	6.6	220		193707160500	3.0099	178.2626	se	11	29.580	82	80	83	bc	st cu	se	4	10	2	se
DRAYTON	193707161630	14.7	293		193707160500	4.8434	178.3840	ene	20	29.670	82	81	82	q	cu nb	ene	10	10	2	ene
ITASCA	193707161630	11.4	91		193707160500	1.2421	175.0625	se	11	29.770	82	80	84	bc	st cu	e	8	20	2	ese
LAMSON	193707161630	8.0	288		193707160500	3.8072	178.4572	ne	11	29.960	81	77	84	bc	cu nb	ne	6	15	1	e
LEX	193707161630	10.6	292		193707160500	4.0497	178.1332	130	12	29.790	80	80	85	cq	cu nb		8	20	1	
SWAN	193707161700	4.3	43		193707170500	-1.2294	174.5767	e	6	29.740	82	82	86	bc	a cu	e	1	10	1	e
COLORAD	193707161730	13.7	48		193707160700	20.1838	200.9419	e	18	29.920	83	79	80	bc	a cu	e	4	25	2	ne
CUSHING	193707161730	6.6	220		193707160600	2.9258	178.1927	se	11	29.600	82	80	83	bc	st cu	se	3	15	2	se
DRAYTON	193707161730	14.7	293		193707160600	4.9376	178.1570	ene	16	29.680	81	80	82	c	cu nb	ene	10	20	2	ene
ITASCA	193707161730	11.4	91		193707160600	1.2393	175.2528	se	11	29.770	82	80	84	bc	st cu	e	5	20	2	ese
LAMSON	193707161730	8.0	288		193707160600	3.8488	178.3301	ne	11	29.970	80	78	84	bc	cu nb	ne	8	20	1	e
LEX	193707161730	10.6	292		193707160600	4.1157	177.9683	110	10	29.790	80	80	85	c	cu nb		8	20	1	
SWAN	193707161745	9.3	41	c/s	193707170545	-1.1898	174.6135		0	0.000	0	0	0				0	0	0	
COLORAD	193707161748	13.7	45	c/c	193707160718	20.2300	200.9956		0	0.000	0	0	0				0	0	0	
DRAYTON	193707161757	14.3	113	c/c	193707160627	4.9800	178.0548		0	0.000	0	0	0				0	0	0	
SWAN	193707161800	9.4	92	c/c	193707170600	-1.1606	174.6391	e	6	29.740	82	82	86	bc	a cu	e	1	15	1	e
LEX	193707161814	9.8	204	c/c	193707160644	4.1641	177.8474		0	0.000	0	0	0				0	0	0	
LEX	193707161816	19.8	202	c/s	193707160646	4.1591	177.8452		0	0.000	0	0	0				0	0	0	
LEX	193707161820	19.6	182	c/c	193707160650	4.1386	177.8370		0	0.000	0	0	0				0	0	0	
DRAYTON	193707161822	14.7	293	c/c	193707160652	4.9405	178.1462		0	0.000	0	0	0				0	0	0	
LEX	193707161825	18.6	182	c/s	193707160655	4.1113	177.8362		0	0.000	0	0	0				0	0	0	
LEX	193707161828	18.4	104	c/c	193707160658	4.0958	177.8358		0	0.000	0	0	0				0	0	0	
COLORAD	193707161830	12.6	41	fixx	193707160800	20.3417	201.1167	ene	13	29.930	78	75	80	bc	cu	ene	3	35	2	ne
CUSHING	193707161830	6.6	220		193707160700	2.8417	178.1228	se	11	29.590	83	80	82	bc	st cu	se	6	20	2	se
DRAYTON	193707161830	14.7	293		193707160700	4.9531	178.1160	ene	16	29.660	80	79	82	bc	st cu	ene	6	40	2	ene
ITASCA	193707161830	11.4	91		193707160700	1.2366	175.4431	ese	16	29.780	82	80	84	bc	a cu	e	4	25	2	ese
LAMSON	193707161830	8.0	288		193707160700	3.8903	178.2031	ne	11	29.970	80	78	84	bc	cu nb	ne	8	20	1	e
LEX	193707161830	18.4	104		193707160700	4.0933	177.8457	082	12	29.780	81	81	85	c	cu nb		8	20	1	
SWAN	193707161835	4.4	91	c/s	193707170635	-1.1642	174.7302		0	0.000	0	0	0				0	0	0	

Ship	Timez	Speed	Heading	Comment	Timel	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
CUSHING	193707161845	15.4	328	c/cs	193707160715	2.8207	178.1054		0	0.000	0	0	0				0	0	0	
LEX	193707161848	16.5	271	c/cs	193707160718	4.0706	177.9350		0	0.000	0	0	0				0	0	0	
CUSHING	193707161849	18.1	288	c/cs	193707160719	2.8352	178.0964		0	0.000	0	0	0				0	0	0	
LAMSON	193707161858	14.3	266	c/cs	193707160728	3.9097	178.1438		0	0.000	0	0	0				0	0	0	
DRAYTON	193707161900	16.2	270	c/cs	193707160730	5.0001	178.0024		0	0.000	0	0	0				0	0	0	
SWAN	193707161900	4.4	91		193707170700	-1.1649	174.7605	e	6	29.760	81	82	86	bc	a cu e		1	25	1	e
ITASCA	193707161920	11.4	92	c/c	193707160750	1.2343	175.6016		0	0.000	0	0	0				0	0	0	
COLORAD	193707161930	12.6	41		193707160900	20.5004	201.2626	ene	15	29.930	78	75	80	bc	cu ene		4	40	2	ne
CUSHING	193707161930	17.9	296	fixx	193707160800	2.9000	177.9000	se	16	29.610	88	81	82	bc	st cu ne		7	20	2	e
DRAYTON	193707161930	14.0	268	fixx	193707160800	5.0000	177.8667	exn	20	29.660	84	81	82	c	st cu ene		7	40	2	ene
ITASCA	193707161930	11.0	93	fixx	193707160800	1.2333	175.6333	ese	16	29.800	83	80	84	bc	a cu e		4	25	2	ese
LAMSON	193707161930	12.1	276	fixx	193707160800	3.9000	178.0167	ne	11	29.990	81	79	84	c	cu nb ne		8	20	1	e
LEX	193707161930	14.1	270	fixx	193707160800	4.0750	177.7417	093	16	29.800	81	80	85	c	cu nb		6	25	0	
CUSHING	193707161950	17.9	296	c/s	193707160820	2.9482	177.7941		0	0.000	0	0	0				0	0	0	
CUSHING	193707162000	13.3	282	c/cs	193707160830	2.9697	177.7491		0	0.000	0	0	0				0	0	0	
SWAN	193707162000	3.0	222	fixx	193707170800	-1.1667	174.8333	e	6	29.780	82	83	86	bc	a cu e		1	35	1	e
SWAN	193707162020	3.0	222	c/s	193707170820	-1.1802	174.8442		0	0.000	0	0	0				0	0	0	
COLORAD	193707162030	12.6	41		193707161000	20.6591	201.4086	e	16	29.930	78	75	80	bc	cu e		4	40	2	ne
CUSHING	193707162030	17.2	279	c/s	193707160900	2.9931	177.6409	se	11	29.620	90	80	82	bc	st cu ne		6	20	2	e
DRAYTON	193707162030	14.0	268	c/s	193707160900	4.9904	177.6835	exn	20	29.620	87	83	82	c	acu ene		7	40	3	ene
ITASCA	193707162030	11.0	93		193707160900	1.2250	175.8167	ese	16	29.790	85	81	84	bc	ci st e		2	25	2	ese
LAMSON	193707162030	12.1	276		193707160900	3.9196	177.8157	ne	11	29.990	83	80	84	c	cu nb ne		8	20	1	e
LEX	193707162030	14.1	270		193707160900	4.0732	177.5069	093	15	29.820	82	81	85	c	a st		6	25	0	
SWAN	193707162035	9.6	293	c/cs	193707170835	-1.1895	174.8356		0	0.000	0	0	0				0	0	0	
SWAN	193707162100	9.6	293		193707170900	-1.1641	174.7742	se	6	29.800	86	86	86	bc	a cu e		1	25	1	e
COLORAD	193707162130	12.6	41		193707161100	20.8178	201.5547	e	17	29.930	78	75	80	bc	cu e		3	40	2	ne
CUSHING	193707162130	17.2	279		193707161000	3.0398	177.3579	se	11	29.610	87	82	82	c	st cu se		9	20	2	e
DRAYTON	193707162130	14.0	268		193707161000	4.9808	177.4501	e	20	29.600	87	83	82	c	acu ese		7	40	3	ese
ITASCA	193707162130	11.0	93		193707161000	1.2167	176.0000	ese	16	29.830	86	82	84	bc	cu e		3	25	2	ese
LAMSON	193707162130	12.1	276		193707161000	3.9392	177.6147	ne	11	30.000	83	80	84	c	cu nb ne		8	20	1	e
LEX	193707162130	14.1	270		193707161000	4.0713	177.2721	090	16	29.820	83	81	85	c	a st		6	25	0	
LEX	193707162136	17.9	90	c/c	193707161006	4.0711	177.2486		0	0.000	0	0	0				0	0	0	
COLORAD	193707162147	13.7	353	c/c	193707161117	20.8628	201.5962		0	0.000	0	0	0				0	0	0	
COLORAD	193707162153	12.6	41	c/c	193707161123	20.8855	201.5931		0	0.000	0	0	0				0	0	0	
SWAN	193707162200	9.6	293		193707171000	-1.1029	174.6269	se	6	29.800	85	85	86	bc	a cu e		7	35	1	e
SWAN	193707162212	8.8	306	c/c	193707171012	-1.0906	174.5975		0	0.000	0	0	0				0	0	0	
LEX	193707162213	21.1	265	c/cs	193707161043	4.0700	177.4335		0	0.000	0	0	0				0	0	0	
COLORAD	193707162230	12.6	41	fixx	193707161200	20.9833	201.6833	ene	23	29.920	78	74	80	bc	cu ene		3	45	2	ne
CUSHING	193707162230	17.2	279		193707161100	3.0866	177.0748	se	11	29.610	90	84	82	c	st cu se		9	20	2	e
DRAYTON	193707162230	14.0	268		193707161100	4.9713	177.2167	e	20	29.590	87	83	82	c	acu ese		7	40	3	ese
ITASCA	193707162230	11.0	93		193707161100	1.2083	176.1833	ese	16	29.830	87	82	84	bc	cu e		2	25	2	ese
LAMSON	193707162230	12.1	276		193707161100	3.9588	177.4137	ne	11	30.000	83	80	84	c	cu nb ne		8	25	1	e
LEX	193707162230	21.1	265		193707161100	4.0619	177.3341	080	15	29.830	84	82	85	c	a cu		6	25	0	
LAMSON	193707162245	19.1	274	c/s	193707161115	3.9636	177.3634		0	0.000	0	0	0				0	0	0	
SWAN	193707162245	8.2	317	c/c	193707171045	-1.0427	174.5326		0	0.000	0	0	0				0	0	0	
SWAN	193707162300	8.2	317		193707171100	-1.0175	174.5094	ne	6	29.780	83	84	86	bc	a cu e		6	40	1	e
COLORAD	193707162330	14.0	45		193707161300	0.0000	0.0000	ene	21	29.920	78	74	0	bc	cu ene		3	45	2	ene
CUSHING	193707162330	15.1	272	fixx	193707161200	3.1333	176.7917	se	7	29.550	95	87	82	bc	st cu se		7	25	2	e
DRAYTON	193707162330	17.6	267	fixx	193707161200	4.9617	176.9833	e	20	29.580	90	85	82	c	acu ese		7	40	3	ese
ITASCA	193707162330	9.8	86	fixx	193707161200	1.2000	176.3667	ese	16	29.820	87	83	84	bc	cu e		3	25	2	ese
LAMSON	193707162330	18.7	268	fixx	193707161200	3.9783	177.1250	ne	11	29.970	85	81	84	c	cu nb ne		8	30	1	e
LEX	193707162330	22.4	271	met	193707161200	4.0333	176.9833	085	21	29.820	85	83	85	c	a cu		6	25	0	
SWAN	193707162400	0.7	313	fixx	193707171200	-0.9167	174.4167	ne	6	29.760	83	84	86	bc	a cu e		6	45	1	e
LEX	193707170011	22.4	271	c/c	193707161241	4.0192	176.7285		0	0.000	0	0	0				0	0	0	
LEX	193707170016	23.5	107	c/c	193707161246	4.0197	176.6973		0	0.000	0	0	0				0	0	0	
CUSHING	193707170030	15.1	272		193707161300	3.1414	176.5405	se	11	29.570	89	84	85	c	cu nb se		7	30	3	e
DRAYTON	193707170030	17.6	267		193707161300	4.9452	176.6886	e	16	29.540	91	86	82	c	acu ese		7	40	3	ese
ITASCA	193707170030	9.8	86		193707161300	1.2104	176.5292	ese	16	29.800	87	83	84	bc	cu e		4	25	2	ese
LAMSON	193707170030	18.7	268		193707161300	3.9688	176.8125	ne	11	29.970	88	81	84	bc	a cu ne		7	30	1	e
LEX	193707170030	23.5	107		193707161300	3.9934	176.7850	108	16	29.790	85	82	85	c	a cu e		8	30	1	se
SWAN	193707170030	0.7	313	c/s	193707171230	-0.8437	174.3832		0	0.000	0	0	0				0	0	0	
LEX	193707170035	15.4	271	c/cs	193707161305	3.9840	176.8163		0	0.000	0	0	0				0	0	0	
LAMSON	193707170036	11.7	267	c/s	193707161306	3.9678	176.7813		0	0.000	0	0	0				0	0	0	

Ship	Timez	Speed	Heading	Comment	Timel	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
SWAN	193707170100	0.7	313		193707171300	-0.8398	174.3790	ne	0	29.760	83	84	86	bc	a cu	e	5	45	1	e
CUSHING	193707170102	17.0	88	c/c	193707161332	3.1457	176.4066		0	0.000	0	0	0				0	0	0	
CUSHING	193707170130	17.0	88		193707161400	3.1494	176.5387	se	11	29.540	87	83	85	c	cu nb	se	7	30	3	e
DRAYTON	193707170130	14.7	266	c/s	193707161400	4.9287	176.3938	e	16	29.530	90	85	82	c	ci cu	ese	7	40	3	ese
ITASCA	193707170130	9.8	86		193707161400	1.2208	176.6917	ese	16	29.780	87	83	84	bc	cu	e	3	25	2	ese
LAMSON	193707170130	11.7	267		193707161400	3.9592	176.6053	ne	11	29.950	89	82	84	bc	a cu	ne	8	30	1	e
LEX	193707170130	15.4	271		193707161400	3.9895	176.5808	092	15	29.790	90	88	85	c	a cu	e	7	30	1	se
CUSHING	193707170133	11.0	87	c/s	193707161403	3.1498	176.5528		0	0.000	0	0	0				0	0	0	
CUSHING	193707170134	9.0	268	c/c	193707161404	3.1500	176.5559		0	0.000	0	0	0				0	0	0	
CUSHING	193707170142	15.0	267	c/s	193707161412	3.1491	176.5358		0	0.000	0	0	0				0	0	0	
SWAN	193707170200	0.7	313		193707171400	-0.8319	174.3707	ne	0	29.740	83	84	86	bc	a cu	e	6	45	1	e
CUSHING	193707170230	15.0	267		193707161500	3.1370	176.3358	se	11	29.570	87	83	82	bc	cu	se	3	30	3	e
DRAYTON	193707170230	14.7	266		193707161500	4.9122	176.1492	e	16	29.530	88	83	82	c	ci cu	ese	7	40	3	ese
ITASCA	193707170230	9.8	86		193707161500	1.2312	176.8542	ese	16	29.760	88	84	84	bc	cu	e	2	25	2	ese
LAMSON	193707170230	11.7	267		193707161500	3.9496	176.4098	ne	11	29.950	90	83	84	bc	a cu	ne	7	30	1	e
LEX	193707170230	15.4	271		193707161500	3.9955	176.3239	093	15	29.790	93	89	85	c	cu	e	7	30	1	se
CUSHING	193707170240	15.1	272	c/c	193707161510	3.1344	176.2941		0	0.000	0	0	0				0	0	0	
CUSHING	193707170251	15.0	267	c/c	193707161521	3.1359	176.2480		0	0.000	0	0	0				0	0	0	
SWAN	193707170300	0.7	313		193707171500	-0.8240	174.3623	ne	0	29.720	83	83	86	bc	a cu	e	5	45	1	e
LEX	193707170311	16.4	113	c/c	193707161541	3.9996	176.1484		0	0.000	0	0	0				0	0	0	
CUSHING	193707170330	15.0	267		193707161600	3.1260	176.0855	se	20	29.540	89	84	82	bc	cu	se	5	50	4	se
DRAYTON	193707170330	14.7	266		193707161600	4.8957	175.9046	e	16	29.530	87	82	82	bc	ci cu	ese	8	35	3	ese
ITASCA	193707170330	9.8	86		193707161600	1.2417	177.0167	ese	16	29.760	88	85	84	bc	cu	e	3	25	2	ese
LAMSON	193707170330	11.7	267		193707161600	3.9401	176.2143	ne	11	29.930	89	81	84	bc	a cu	ne	8	30	1	e
LEX	193707170330	16.4	113		193707161600	3.9658	176.2284	107	24	29.770	87	86	85	c	cu	e	7	30	1	se
LEX	193707170334	17.9	158	c/cs	193707161604	3.9587	176.2452		0	0.000	0	0	0				0	0	0	
LEX	193707170338	15.5	105	c/cs	193707161608	3.9403	176.2528		0	0.000	0	0	0				0	0	0	
SWAN	193707170400	0.7	313		193707171600	-0.8162	174.3540	ne	0	29.710	85	85	86	bc	a cu	e	6	45	1	e
LEX	193707170401	11.5	189	c/cs	193707161631	3.9146	176.3486		0	0.000	0	0	0				0	0	0	
LAMSON	193707170403	13.5	171	c/cs	193707161633	3.9348	176.1067		0	0.000	0	0	0				0	0	0	
LEX	193707170403	12.0	189	c/s	193707161633	3.9083	176.3476		0	0.000	0	0	0				0	0	0	
CUSHING	193707170430	15.0	267		193707161700	3.1108	175.8354	se	16	29.520	87	84	82	bc	cu	se	5	50	4	se
DRAYTON	193707170430	14.7	266		193707161700	4.8792	175.6600	e	16	29.510	89	83	82	bc	cu	ese	7	35	3	ese
ITASCA	193707170430	9.8	86		193707161700	1.2521	177.1792	ese	16	29.760	88	85	84	bc	cu	e	4	25	2	ese
LAMSON	193707170430	13.5	171		193707161700	3.8345	176.1220	ne	11	29.920	86	80	84	bc	a cu	ne	8	30	1	e
LEX	193707170430	12.0	189		193707161700	3.8193	176.3327	075	14	29.760	87	85	85	cr	nb	e	7	30	1	e
LEX	193707170434	12.0	195	c/c	193707161704	3.8061	176.3305		0	0.000	0	0	0				0	0	0	
LAMSON	193707170438	13.0	178	c/c	193707161708	3.8047	176.1266		0	0.000	0	0	0				0	0	0	
DRAYTON	193707170440	14.1	172	c/cs	193707161710	4.8764	175.6192		0	0.000	0	0	0				0	0	0	
LEX	193707170440	12.5	195	c/s	193707161710	3.7868	176.3254		0	0.000	0	0	0				0	0	0	
CUSHING	193707170445	12.6	176	c/cs	193707161715	3.1070	175.7729		0	0.000	0	0	0				0	0	0	
SWAN	193707170500	0.7	313		193707171700	-0.8083	174.3456	ne	0	29.710	86	86	86	bc	a cu	e	4	40	1	e
CUSHING	193707170530	12.6	176		193707161800	2.9506	175.7848	se	16	29.530	88	84	82	bc	cu	se	5	50	4	se
DRAYTON	193707170530	14.1	172		193707161800	4.6824	175.6479	e	16	29.460	89	83	82	bc	cu	ese	7	35	3	ese
ITASCA	193707170530	9.8	86		193707161800	1.2625	177.3417	ese	16	29.770	89	84	84	bc	cu	e	4	25	2	ese
LAMSON	193707170530	13.0	178		193707161800	3.6169	176.1337	ne	11	29.930	86	80	84	bc	a cu	ne	7	30	1	e
LEX	193707170530	12.5	195		193707161800	3.6191	176.2812	080	15	29.780	87	84	85	c	st cu	e	7	30	1	e
SWAN	193707170530	8.6	148	c/cs	193707171730	-0.8044	174.3415		0	0.000	0	0	0				0	0	0	
SWAN	193707170600	8.6	148		193707171800	-0.8654	174.3795	ne	0	29.720	85	85	86	bc	a cu	e	4	35	1	e
SWAN	193707170614	9.1	60	c/c	193707171814	-0.8939	174.3973		0	0.000	0	0	0				0	0	0	
CUSHING	193707170630	12.6	176		193707161900	2.7419	175.8007	se	16	29.560	84	82	82	bc	cu	se	5	50	4	se
DRAYTON	193707170630	14.1	172		193707161900	4.4495	175.6823	e	16	29.520	85	81	82	bc	cu	ese	7	35	3	ese
ITASCA	193707170630	9.8	86		193707161900	1.2729	177.5042	ese	16	29.770	82	85	84	bc	cu	e	4	25	2	ese
LAMSON	193707170630	13.0	178		193707161900	3.4001	176.1418	ne	11	29.940	84	80	84	bc	cu nb	ne	9	25	1	e
LEX	193707170630	12.5	195		193707161900	3.4179	176.2281	093	17	29.780	86	84	85	cg	cu nb	e	8	25	1	e
SWAN	193707170643	9.3	45	c/c	193707171843	-0.8573	174.4606		0	0.000	0	0	0				0	0	0	
SWAN	193707170700	9.3	45		193707171900	-0.8262	174.4914	e	0	29.730	85	85	86	bc	a cu	e	4	25	1	e
CUSHING	193707170730	14.2	191	fixx	193707162000	2.5333	175.8167	se	20	29.570	84	83	82	bc	cu	se	5	20	4	se
DRAYTON	193707170730	12.8	177	fixx	193707162000	4.2167	175.7167	exn	16	29.610	84	84	82	bcr	nb	ese	8	16	3	ese
ITASCA	193707170730	10.1	92	fixx	193707162000	1.2833	177.6667	ese	16	29.790	82	86	84	c	cu	e	6	25	2	ese
LAMSON	193707170730	12.6	197	fixx	193707162000	3.1833	176.1500	ne	11	29.960	83	80	84	bc	cu nb	ne	9	20	1	e
LEX	193707170730	13.1	196	fixx	193707162000	3.2167	176.1750	083	16	29.890	84	84	85	c	cu nb	e	8	20	1	e
SWAN	193707170800	6.2	51	fixx	193707172000	-0.7167	174.6000	e	0	29.760	83	83	86	bc	a cu	e	6	10	1	e

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
CUSHING	193707170807	14.2	191	c/cs	193707162037	2.4042	175.8062		0	0.000	0	0	0				0	0	0	
DRAYTON	193707170807	12.8	177	c/s	193707162037	4.0858	175.7325		0	0.000	0	0	0				0	0	0	
CUSHING	193707170830	14.2	191		193707162100	2.3151	175.7884	se	16	29.610	83	82	82	bc	cu	se	3	20	4	se
DRAYTON	193707170830	12.8	177		193707162100	4.0044	175.7365	exn	16	29.640	84	83	82	cp	cu nb	sse	8	16	3	ese
ITASCA	193707170830	10.1	92		193707162100	1.2764	177.8347	e	16	29.820	83	81	84	bc	a cu	e	4	25	2	ese
LAMSON	193707170830	12.6	197		193707162100	2.9828	176.0868	ne	11	29.990	83	80	84	c	cu nb	ne	9	20	1	e
LEX	193707170830	13.1	196		193707162100	3.0076	176.1133	092	22	29.810	84	84	85	c	cu	e	6	20	1	e
SWAN	193707170900	6.2	51		193707172100	-0.6514	174.6806	e	14	29.780	83	83	86	bc	a cu	e	6	10	2	e
CUSHING	193707170914	14.1	184	c/c	193707162144	2.1446	175.7543		0	0.000	0	0	0				0	0	0	
CUSHING	193707170930	14.1	184		193707162200	2.0821	175.7498	se	16	29.630	83	82	82	bc	cu	se	3	15	4	se
DRAYTON	193707170930	12.8	177		193707162200	3.7920	175.7470	exn	16	29.680	84	83	82	c	st cu	ese	8	16	3	ese
ITASCA	193707170930	10.1	92		193707162200	1.2694	178.0028	e	20	29.820	83	80	84	bc	cu	e	4	25	2	ese
LAMSON	193707170930	12.6	197		193707162200	2.7823	176.0235	ne	11	30.000	83	80	84	c	a cu	ne	9	20	1	e
LEX	193707170930	13.1	196		193707162200	2.7985	176.0516	096	23	29.840	83	83	85	bc	cu	e	3	20	1	e
SWAN	193707171000	6.2	51		193707172200	-0.5861	174.7611	e	14	29.780	83	83	86	bc	a cu	e	5	10	2	e
CUSHING	193707171030	14.1	184		193707162300	1.8478	175.7328	se	16	29.630	82	81	82	bc	cu	se	3	15	3	se
DRAYTON	193707171030	12.8	177		193707162300	3.5796	175.7574	exn	16	29.680	84	83	82	c	st cu	ese	8	16	3	ese
ITASCA	193707171030	10.1	92		193707162300	1.2625	178.1708	e	20	29.820	85	81	84	bc	cu	e	3	25	2	ese
LAMSON	193707171030	12.6	197		193707162300	2.5818	175.9603	ne	11	30.000	83	80	84	c	a cu	ne	9	20	1	e
LEX	193707171030	13.1	196		193707162300	2.5895	175.9899	100	18	29.840	84	84	85	bc	cu	e	3	20	1	e
SWAN	193707171100	6.2	51		193707172300	-0.5208	174.8417	ne	14	29.800	82	82	86	bc	a cu	ne	4	10	2	ne
CUSHING	193707171130	14.1	184		193707162400	1.6134	175.7135	se	16	29.630	83	81	82	bc	ci cu	se	4	15	3	se
DRAYTON	193707171130	12.8	177		193707162400	3.3672	175.7679	exn	16	29.670	84	83	82	c	st cu	ese	8	16	3	ese
ITASCA	193707171130	10.1	92		193707162400	1.2556	178.3389	e	20	29.830	83	80	84	bc	a cu	e	3	25	2	ese
LAMSON	193707171130	12.6	197		193707162400	2.3813	175.8971	ne	11	29.990	83	80	84	c	a cu	ne	7	20	1	e
LEX	193707171130	13.1	196		193707162400	2.3804	175.9283	092	16	29.830	84	84	85	bc	cu	e	2	20	1	e
SWAN	193707171200	6.2	51		193707172400	-0.4556	174.9222	ne	14	29.800	82	82	86	bc	a cu	ne	4	10	2	ne
CUSHING	193707171230	14.1	184		193707170100	1.3791	175.6989	se	11	29.640	82	81	82	bc	ci cu	se	3	10	1	se
DRAYTON	193707171230	12.8	177		193707170100	3.1547	175.7783	exn	20	29.650	83	81	82	c	st cu	ese	5	20	3	ese
ITASCA	193707171230	10.1	92		193707170100	1.2486	178.5070	exs	20	29.810	83	80	84	b			0	20	2	ese
LAMSON	193707171230	12.6	197		193707170100	2.1808	175.8339	se	11	29.990	83	79	84	bc	a cu	se	5	30	1	e
LEX	193707171230	13.1	196		193707170100	2.1714	175.8666	106	16	29.830	83	83	85	bc	cu	se	5	25	2	e
SWAN	193707171300	6.2	51		193707180100	-0.3903	175.0028	ne	12	29.760	82	82	86	bc	a cu	ne	4	10	2	ne
CUSHING	193707171330	14.1	184		193707170200	1.1448	175.6819	se	11	29.630	82	81	82	bc	ci cu	se	4	10	1	se
DRAYTON	193707171330	12.8	177		193707170200	2.9423	175.7888	exn	20	29.660	83	81	82	c	st cu	ese	5	20	3	ese
ITASCA	193707171330	10.1	92		193707170200	1.2417	178.6750	exs	20	29.800	83	80	84	b			0	20	2	ese
LAMSON	193707171330	12.6	197		193707170200	1.9803	175.7707	se	11	29.980	82	79	84	bc	a cu	se	5	30	1	e
LEX	193707171330	13.1	196		193707170200	1.9623	175.8050	108	13	29.830	83	83	85	bc	cu	se	5	25	2	e
SWAN	193707171400	6.2	51		193707180200	-0.3250	175.0833	ne	12	29.760	82	82	86	bc	a cu	ne	4	10	2	ne
CUSHING	193707171430	14.1	184		193707170300	0.9104	175.6650	se	11	29.610	82	81	83	bc	ci cu	se	5	10	1	se
DRAYTON	193707171430	12.8	177		193707170300	2.7299	175.7992	exn	20	29.650	80	81	81	c	st cu	ese	5	16	3	ese
ITASCA	193707171430	10.1	92		193707170300	1.2347	178.8431	exs	20	29.780	83	80	84	b			0	20	2	ese
LAMSON	193707171430	12.6	197		193707170300	1.7798	175.7075	se	11	29.970	82	78	84	bc	a cu	se	5	30	1	e
LEX	193707171430	13.1	196		193707170300	1.7532	175.7433	095	14	29.810	82	82	85	bc	cu	se	5	25	2	e
SWAN	193707171500	6.2	51		193707180300	-0.2597	175.1639	e	16	29.740	82	82	86	bc	a cu	e	4	10	2	e
CUSHING	193707171530	14.1	184		193707170400	0.6761	175.6480	se	11	29.600	82	81	83	bc	cu	se	5	10	1	se
DRAYTON	193707171530	12.8	177		193707170400	2.5175	175.8097	e	20	29.650	81	81	81	c	st cu	ese	5	16	3	ese
ITASCA	193707171530	10.1	92		193707170400	1.2278	179.0111	exs	20	29.790	83	80	84	b			0	20	2	ese
LAMSON	193707171530	12.6	197		193707170400	1.5793	175.6443	se	11	29.970	80	78	83	bc	cu nb	se	5	30	1	e
LEX	193707171530	13.1	196		193707170400	1.5442	175.6817	110	15	29.800	81	82	84	bc	cu nb	se	5	25	2	e
SWAN	193707171600	6.2	51		193707180400	-0.1944	175.2445	e	18	29.740	82	82	86	bc	a cu	e	4	10	2	e
CUSHING	193707171630	14.1	184		193707170500	0.4418	175.6310	se	11	29.600	81	80	83	bc	cu	se	4	10	1	se
DRAYTON	193707171630	12.8	177		193707170500	2.3051	175.8201	see	16	29.640	81	80	81	bc	st cu	ese	6	15	3	ese
ITASCA	193707171630	10.1	92		193707170500	1.2208	179.1792	exs	20	29.790	82	80	84	bc	st cu	e	4	20	2	ese
LAMSON	193707171630	12.6	197		193707170500	1.3788	175.5811	se	11	29.960	81	79	83	bc	cu nb	se	6	20	1	e
LEX	193707171630	13.1	196		193707170500	1.3351	175.6201	095	16	29.790	82	82	84	bc	cu nb	e	4	25	1	e
SWAN	193707171700	6.2	51		193707180500	-0.1292	175.3250	e	18	29.750	81	82	86	bc	a cu	e	4	10	2	e
CUSHING	193707171730	14.1	184		193707170600	0.2074	175.6141	se	11	29.600	82	80	83	bc	cu	se	4	15	1	se
DRAYTON	193707171730	12.8	177		193707170600	2.0926	175.8305	see	20	29.640	82	81	81	bc	st cu	see	6	20	3	see
ITASCA	193707171730	10.1	92		193707170600	1.2139	179.3472	exs	16	29.790	82	80	84	bc	st cu	e	5	20	2	ese
LAMSON	193707171730	12.6	197		193707170600	1.1783	175.5180	se	11	29.980	81	79	83	bc	cu	se	3	20	1	e
LEX	193707171730	13.1	196		193707170600	1.1261	175.5585	100	20	29.770	82	82	84	bc	st cu	e	3	25	1	e
SWAN	193707171800	6.2	51		193707180600	-0.0639	175.4056	ne	18	29.770	81	82	86	bc	a cu	ne	7	10	2	e

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir	
LEX	193707171808	12.9	270	c/c	193707170638	0.9937	175.5195		0	0.000	0	0	0				0	0	0		
LEX	193707171814	13.1	90	c/c	193707170644	0.9935	175.4980		0	0.000	0	0	0				0	0	0		
CUSHING	193707171816	14.9	229	c/c	193707170646	0.0278	175.6011		0	0.000	0	0	0				0	0	0		
LEX	193707171821	13.1	120	c/c	193707170651	0.9933	175.5234		0	0.000	0	0	0				0	0	0		
CUSHING	193707171826	15.5	272	c/c	193707170656	0.0005	175.5698		0	0.000	0	0	0				0	0	0		
CUSHING	193707171830	15.5	272		193707170700	0.0010	175.5525	se	11	29.620	82	80	83	bc	cu	se	4	20	1	se	
DRAYTON	193707171830	12.8	177		193707170700	1.8802	175.8410	ese	20	29.647	82	81	81	q	cu	nb	see	7	30	3	see
ITASCA	193707171830	10.1	92		193707170700	1.2069	179.5153	exs	16	29.800	82	80	84	bc	cu	e	6	25	4	exs	
LAMSON	193707171830	12.6	197		193707170700	0.9778	175.4548	se	11	29.980	82	79	83	bc	cu	nb	se	5	25	1	e
LEX	193707171830	13.1	120		193707170700	0.9767	175.5519	120	12	29.800	83	82	84	bc	st	cu	se	4	25	1	se
LAMSON	193707171840	16.0	89	c/cs	193707170710	0.9444	175.4443		0	0.000	0	0	0				0	0	0		
LEX	193707171841	13.1	90	c/c	193707170711	0.9565	175.5866		0	0.000	0	0	0				0	0	0		
DRAYTON	193707171847	15.8	330	c/cs	193707170717	1.8200	175.8439		0	0.000	0	0	0				0	0	0		
LEX	193707171849	13.1	120	c/c	193707170719	0.9563	175.6157		0	0.000	0	0	0				0	0	0		
SWAN	193707171900	6.2	51		193707180700	0.0014	175.4861	ne	18	29.780	82	82	86	bc	a	cu	ne	7	15	2	e
LEX	193707171901	16.1	90	c/cs	193707170731	0.9342	175.6536		0	0.000	0	0	0				0	0	0		
CUSHING	193707171910	15.0	88	c/cs	193707170740	0.0059	175.3801		0	0.000	0	0	0				0	0	0		
CUSHING	193707171918	16.0	88	c/s	193707170748	0.0069	175.4134		0	0.000	0	0	0				0	0	0		
CUSHING	193707171930	16.4	89	fixx	193707170800	0.0083	175.4667	ese	16	29.640	84	80	81	bc	cu	se	4	20	2	se	
DRAYTON	193707171930	15.3	76	fixx	193707170800	1.9833	175.7500	ese	20	29.700	78	78	81	q	cu	nb	se	8	30	3	se
ITASCA	193707171930	10.3	96	fixx	193707170800	1.2000	179.6833	exs	16	29.820	83	80	84	bc	co	e	5	25	4	exs	
LAMSON	193707171930	13.9	85	fixx	193707170800	0.9500	175.6667	se	16	29.980	82	79	83	bc	a	cu	se	5	25	1	e
LEX	193707171930	15.3	94	met	193707170800	0.9333	175.7833	120	17	29.830	83	82	84	bc	cu	e	3	35	1	e	
SWAN	193707172000	8.8	47	fixx	193707180800	0.0667	175.5667	ene	18	29.800	82	83	86	bc	a	cu	e	7	25	2	e
CUSHING	193707172030	16.4	89		193707170900	0.0119	175.7400	ese	20	29.640	83	81	81	bc	cu	se	3	20	3	se	
DRAYTON	193707172030	15.3	76		193707170900	2.0438	175.9971	ese	20	29.690	82	80	81	bc	cu	se	5	35	3	se	
ITASCA	193707172030	10.3	96		193707170900	1.1833	179.8542	exs	16	29.860	84	80	84	bc	ci	st	e	5	25	4	exs
LAMSON	193707172030	13.9	85		193707170900	0.9684	175.8970	se	16	30.010	83	80	83	bc	a	cu	se	5	25	1	e
LEX	193707172030	15.3	94		193707170900	0.9152	176.0375	120	17	29.860	83	82	84	bc	cu	e	3	35	1	e	
SWAN	193707172100	8.8	47		193707180900	0.1667	175.6750	ene	15	29.810	84	84	86	bc	a	cu	e	6	30	2	e
LEX	193707172115	11.3	96	c/s	193707170945	0.9015	176.2281		0	0.000	0	0	0				0	0	0		
CUSHING	193707172130	16.4	89		193707171000	0.0155	176.0134	ese	20	29.660	84	80	81	bc	cu	se	3	20	3	se	
DRAYTON	193707172130	15.3	76		193707171000	2.1042	176.2442	ese	20	29.700	83	81	81	q	cu	nb	se	9	35	3	ese
ITASCA	193707172130	10.3	96		193707171000	1.1667	180.0250	exs	16	29.870	84	80	84	bc	cu	e	3	25	4	ese	
LAMSON	193707172130	13.9	85		193707171000	0.9867	176.1273	se	16	30.020	84	80	83	bc	cu	se	4	25	1	e	
LEX	193707172130	11.3	96		193707171000	0.8970	176.2750	120	17	29.860	83	82	84	bc	ci	cu	e	3	35	1	e
LEX	193707172138	12.0	126	c/c	193707171008	0.8946	176.3000		0	0.000	0	0	0				0	0	0		
SWAN	193707172200	8.8	47		193707181000	0.2667	175.7833	ene	16	29.810	83	84	86	c	a	cu	e	6	35	2	e
LEX	193707172215	16.7	46	c/cs	193707171045	0.8217	176.3991		0	0.000	0	0	0				0	0	0		
LEX	193707172218	15.4	69	c/cs	193707171048	0.8314	176.4091		0	0.000	0	0	0				0	0	0		
LEX	193707172219	15.4	71	c/c	193707171049	0.8329	176.4131		0	0.000	0	0	0				0	0	0		
LAMSON	193707172224	14.5	61	c/cs	193707171054	1.0033	176.3347		0	0.000	0	0	0				0	0	0		
CUSHING	193707172230	16.4	89		193707171100	0.0191	176.2867	ese	20	29.660	84	80	81	bc	a	st	se	5	20	3	se
DRAYTON	193707172230	15.3	76		193707171100	2.1646	176.4913	ese	24	29.670	83	80	81	bc	cu	se	7	35	4	ese	
ITASCA	193707172230	10.3	96		193707171100	1.1500	180.1958	ese	16	29.860	85	81	84	c	ci	st	e	7	25	4	ese
LAMSON	193707172230	14.5	61		193707171100	1.0151	176.3557	se	16	30.020	84	80	83	bc	cu	se	4	30	1	e	
LEX	193707172230	15.4	71		193707171100	0.8485	176.4575	129	16	29.850	83	82	84	bc	ci	cu	e	3	35	1	e
CUSHING	193707172245	16.5	146	c/c	193707171115	0.0200	176.3551		0	0.000	0	0	0				0	0	0		
CUSHING	193707172250	16.4	89	c/c	193707171120	0.0009	176.3678		0	0.000	0	0	0				0	0	0		
SWAN	193707172300	8.8	47		193707181100	0.3667	175.8917	ene	16	29.800	83	83	86	bc	a	cu	e	4	40	2	e
CUSHING	193707172330	17.8	90	fixx	193707171200	0.0033	176.5500	ese	20	29.650	84	81	81	bc	cu	se	2	20	3	se	
DRAYTON	193707172330	14.6	90	fixx	193707171200	2.2250	176.7383	ese	24	29.650	84	80	81	bc	cu	se	8	35	4	ese	
ITASCA	193707172330	9.6	92	fixx	193707171200	1.1333	180.3667	ese	16	29.850	85	81	84	bc	ci	st	e	4	25	4	ese
LAMSON	193707172330	14.1	66	fixx	193707171200	1.1333	176.5667	se	16	30.000	84	80	83	bc	cu	se	4	30	1	e	
LEX	193707172330	12.5	110	met	193707171200	0.9333	176.7000	130	16	29.840	83	82	84	bc	ci	cu	e	3	35	1	e
SWAN	193707172400	8.0	48	fixx	193707181200	0.4667	176.0000	ene	16	29.800	83	83	86	bc	a	cu	e	3	40	2	e
ITASCA	193707180023	9.6	92	c/c	193707171253	1.1322	180.5086		0	0.000	0	0	0				0	0	0		
LEX	193707180027	12.5	110	c/c	193707171257	1.0942	176.9027		0	0.000	0	0	0				0	0	0		
LEX	193707180029	11.1	109	c/s	193707171259	1.0919	176.9092		0	0.000	0	0	0				0	0	0		
CUSHING	193707180030	17.8	90		193707171300	0.0038	176.8474	e	24	29.620	84	81	81	bc	cu	e	5	40	2	e	
DRAYTON	193707180030	14.6	90		193707171300	2.2268	176.9811	ese	24	29.630	85	82	81	bc	cu	se	8	35	4	ese	
ITASCA	193707180030	9.6	92		193707171300	1.1316	180.5273	ese	16	29.820	86	83	84	bc	ci	st	ese	3	25	4	ese
LAMSON	1																				

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
LEX	193707180030	8.1	104	c/s	193707171300	1.0909	176.9122	120	16	29.820	83	82	84	bc	ci cu		5	35	1	e
LEX	193707180044	17.9	77	c/cs	193707171314	1.0831	176.9429		0	0.000	0	0	0				0	0	0	
SWAN	193707180044	8.0	48	c/s	193707181244	0.5345	176.0751		0	0.000	0	0	0				0	0	0	
LAMSON	193707180045	18.1	91	c/cs	193707171315	1.2513	176.8360		0	0.000	0	0	0				0	0	0	
CUSHING	193707180050	20.8	90	c/s	193707171320	0.0040	176.9465		0	0.000	0	0	0				0	0	0	
SWAN	193707180100	8.0	48		193707181300	0.5584	176.1014	ene	16	29.760	83	83	86	bc	a cu e		4	40	2	e
CUSHING	193707180130	20.8	90		193707171400	0.0043	177.1780	e	24	29.600	85	82	81	bc	ci cu e		3	40	2	e
DRAYTON	193707180130	14.6	90		193707171400	2.2286	177.2238	ese	24	29.600	85	82	81	bc	cu se		8	35	4	ese
ITASCA	193707180130	9.6	92		193707171400	1.1271	180.6877	ese	20	29.800	86	82	84	bc	ci cu ese		3	25	4	ese
LAMSON	193707180130	18.1	91		193707171400	1.2471	177.0622	se	16	29.940	84	78	83	bc	cu se		8	30	1	e
LEX	193707180130	17.9	77		193707171400	1.1339	177.1665	122	18	29.800	83	82	84	c	st cu		7	35	1	e
SWAN	193707180200	8.0	48		193707181400	0.6476	176.2000	ene	16	29.750	83	83	86	bc	a cu e		4	40	2	e
CUSHING	193707180230	20.8	90		193707171500	0.0048	177.5254	e	24	29.560	84	81	81	bc	ci cu e		4	40	2	e
DRAYTON	193707180230	14.6	90		193707171500	2.2304	177.4665	ese	24	29.590	85	82	81	bc	cu se		8	35	4	ese
ITASCA	193707180230	9.6	92		193707171500	1.1226	180.8481	ese	20	29.780	86	82	84	bc	ci cu ese		4	25	4	ese
LAMSON	193707180230	18.1	91		193707171500	1.2416	177.3639	se	16	29.920	84	78	83	bc	cu se		8	30	1	e
LEX	193707180230	17.9	77		193707171500	1.2003	177.4583	120	18	29.760	83	82	84	c	st cu		7	35	1	e
CUSHING	193707180252	20.8	86	c/c	193707171522	0.0050	177.6528		0	0.000	0	0	0				0	0	0	
SWAN	193707180300	8.0	48		193707181500	0.7369	176.2986	ene	16	29.740	83	83	86	bc	a cu e		6	40	2	e
CUSHING	193707180330	20.8	86		193707171600	0.0200	177.8722	e	20	29.560	84	81	81	bc	ci cu e		4	40	2	e
DRAYTON	193707180330	14.6	90		193707171600	2.2322	177.7092	ese	24	29.580	84	83	81	bc	cu se		8	35	4	ese
ITASCA	193707180330	9.6	92		193707171600	1.1181	181.0085	ese	20	29.770	86	82	84	bc	ci cu ese		4	25	4	ese
LAMSON	193707180330	18.1	91		193707171600	1.2360	177.6655	se	16	29.920	84	78	83	bc	cu se		8	30	1	e
LEX	193707180330	18.5	124	met	193707171600	1.2667	177.7500	125	16	29.760	83	83	84	bc	ci cu		5	35	1	e
LEX	193707180333	18.5	124	c/c	193707171603	1.2675	177.7657		0	0.000	0	0	0				0	0	0	
LEX	193707180343	10.5	124	c/s	193707171613	1.2386	177.8081		0	0.000	0	0	0				0	0	0	
SWAN	193707180400	8.0	48		193707181600	0.8262	176.3972	ene	16	29.730	83	83	86	bc	a cu ene		6	40	2	e
LAMSON	193707180418	7.1	338	c/cs	193707171648	1.2316	177.9068		0	0.000	0	0	0				0	0	0	
LEX	193707180419	13.1	355	c/c	193707171649	1.1803	177.8950		0	0.000	0	0	0				0	0	0	
LEX	193707180427	8.7	347	c/cs	193707171657	1.2093	177.8925		0	0.000	0	0	0				0	0	0	
CUSHING	193707180430	20.8	86		193707171700	0.0438	178.2188	e	20	29.560	84	80	81	bc	ci cu e		5	40	2	e
DRAYTON	193707180430	14.6	90		193707171700	2.2340	177.9519	ese	24	29.600	84	84	81	bc	cu se		8	35	4	ese
ITASCA	193707180430	9.6	92		193707171700	1.1136	181.1689	ese	20	29.760	86	82	84	bc	ci cu ese		3	25	4	ese
LAMSON	193707180430	7.1	338		193707171700	1.2537	177.8980	se	16	29.920	82	78	83	bc	ci cu se		6	30	1	e
LEX	193707180430	8.7	347		193707171700	1.2164	177.8909	115	15	29.760	83	83	84	bc	ci cu		5	35	1	e
CUSHING	193707180500	10.8	90	c/cs	193707171730	0.0556	178.3921		0	0.000	0	0	0				0	0	0	
SWAN	193707180500	8.0	48		193707181700	0.9155	176.4958	ene	16	29.720	82	82	86	bc	a st ene		6	35	2	e
DRAYTON	193707180514	7.9	344	c/cs	193707171744	2.2353	178.1299		0	0.000	0	0	0				0	0	0	
CUSHING	193707180530	10.8	90		193707171800	0.0559	178.4824	e	20	29.560	83	81	80	bc	ci cu e		5	40	2	e
DRAYTON	193707180530	7.9	344		193707171800	2.2689	178.1200	ese	20	29.600	84	83	81	cp	cu nb se		8	30	4	ese
ITASCA	193707180530	9.6	92		193707171800	1.1090	181.3292	ese	20	29.760	86	82	84	bc	ci cu ese		3	25	4	ese
LAMSON	193707180530	7.1	338		193707171800	1.3642	177.8539	se	16	29.930	82	77	84	bc	st cu se		5	25	1	e
LEX	193707180530	8.7	347		193707171800	1.3583	177.8589	105	16	29.780	83	81	84	c	ci cu		7	30	1	
SWAN	193707180600	8.0	48		193707181800	1.0048	176.5944	ene	16	29.730	82	82	86	c	st cu ene		9	35	2	e
CUSHING	193707180630	10.8	90		193707171900	0.0564	178.6631	e	20	29.580	83	80	80	bc	ci cu e		4	25	2	ne
DRAYTON	193707180630	7.9	344		193707171900	2.3950	178.0828	ese	20	29.620	84	84	81	c	st cu se		8	20	4	ese
ITASCA	193707180630	9.6	92		193707171900	1.1045	181.4896	exs	16	29.790	83	80	84	bc	ci cu e		3	25	4	exs
LAMSON	193707180630	7.1	338		193707171900	1.4747	177.8099	se	16	29.960	82	77	84	bc	ci cu se		8	25	1	e
LEX	193707180630	10.7	254	c/cs	193707171900	1.5002	177.8268	105	15	29.800	83	82	84	c	ci cu		7	30	1	
LAMSON	193707180635	11.9	248	c/cs	193707171905	1.4839	177.8063		0	0.000	0	0	0				0	0	0	
CUSHING	193707180646	9.2	244	c/c	193707171916	0.0565	178.7113		0	0.000	0	0	0				0	0	0	
DRAYTON	193707180658	11.3	249	c/cs	193707171928	2.4539	178.0654		0	0.000	0	0	0				0	0	0	
SWAN	193707180700	8.0	48		193707181900	1.0941	176.6930	ene	16	29.730	82	82	86	c	st cu ne		9	15	2	ne
DRAYTON	193707180721	13.3	249	c/s	193707171951	2.4286	177.9977		0	0.000	0	0	0				0	0	0	
CUSHING	193707180728	11.2	276	c/cs	193707171958	0.0094	178.6145		0	0.000	0	0	0				0	0	0	
CUSHING	193707180730	12.5	267	fixx	193707172000	0.0100	178.6083	e	20	29.600	82	80	81	bc	ci cu e		4	20	2	ne
DRAYTON	193707180730	11.1	245	fixx	193707172000	2.4167	177.9667	ese	20	29.640	83	83	81	c	st cu se		8	18	4	ese
ITASCA	193707180730	10.3	101	fixx	193707172000	1.1000	181.6500	exs	20	29.810	83	80	84	bc	ci cu e		3	25	4	exs
LAMSON	193707180730	11.1	246	fixx	193707172000	1.4167	177.6375	se	16	29.950	82	78	84	bc	ci cu se		8	20	1	e
LEX	193707180730	11.0	249	fixx	193707172000	1.4500	177.6556	095	16	29.800	82	82	84	c	ci cu		7	30	1	
SWAN	193707180800	8.0	48	fixx	193707182000	1.1833	176.7917	ne	18	29.740	82	82	86	bc	a cu ne		5	10	2	ne
CUSHING	193707180830	12.5	267	c/c	193707172100	0.0242	178.4008	e	11	29.630	82	80	81	bc	st cu e		4	20	2	ne
DRAYTON	193707180830	11.1	245		193707172100	2.3386	177.7986	ese	16	29.640	82	82	81	bc	cu se		7	16	4	ese

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
ITASCA	193707180830	10.3	101		193707172100	1.0680	181.8190	exs	16	29.820	82	79	84	b	ci cu	e	1	25	4	exs
LAMSON	193707180830	11.1	246		193707172100	1.3415	177.4689	se	11	29.980	82	80	84	bc	ci cu	se	7	20	1	e
LEX	193707180830	11.0	249		193707172100	1.3843	177.4836	104	16	29.800	82	82	84	c	ci cu		8	30	1	
SWAN	193707180900	9.0	49		193707182100	0.0000	0.0000	ne	20	29.760	83	83	86	bc	a cu	ne	5	1	2	ne
CUSHING	193707180930	12.5	267		193707172200	0.0140	178.1927	e	11	29.620	82	80	81	bc	st cu	e	6	20	2	ne
DRAYTON	193707180930	11.1	245		193707172200	2.2605	177.6306	ese	16	29.640	82	82	81	bc	cu	se	6	16	4	ese
ITASCA	193707180930	10.3	101		193707172200	1.0360	181.9880	exs	16	29.820	82	80	84	bc	cu	e	2	25	4	exs
LAMSON	193707180930	11.1	246		193707172200	1.2662	177.3003	se	11	29.990	82	80	84	bc	ci cu	se	6	20	1	e
LEX	193707180930	11.0	249		193707172200	1.3186	177.3116	105	20	29.800	82	82	84	c	ci cu		7	20	1	
CUSHING	193707180954	12.5	264	c/c	193707172224	0.0099	178.1094		0	0.000	0	0	0				0	0	0	
SWAN	193707181000	9.0	49		193707182200	0.0000	0.0000	ne	20	29.780	83	84	86	bc	a cu	ne	5	1	2	ne
CUSHING	193707181030	12.5	264		193707172300	-0.0025	177.9849	e	11	29.620	82	81	81	bc	st cu	e	6	20	4	ne
DRAYTON	193707181030	11.1	245		193707172300	2.1825	177.4626	ese	16	29.630	82	82	81	bc	cu	se	6	16	4	ese
ITASCA	193707181030	10.3	101		193707172300	1.0040	182.1570	exs	16	29.820	82	79	84	bc	cu	e	2	25	4	exs
LAMSON	193707181030	11.1	246		193707172300	1.1910	177.1317	se	11	29.980	82	79	84	bc	ci cu	se	6	20	1	e
LEX	193707181030	11.0	249		193707172300	1.2529	177.1397	084	18	29.810	82	82	84	c	ci cu		8	20	1	
SWAN	193707181100	9.0	49		193707182300	0.0000	0.0000	ne	18	29.780	83	84	86	bc	a cu	ne	5	1	2	ne
CUSHING	193707181130	12.5	264		193707172400	-0.0232	177.7774	e	11	29.620	82	81	81	oq	cu nb	e	10	10	4	ne
DRAYTON	193707181130	11.1	245		193707172400	2.1044	177.2946	ese	16	29.630	82	82	81	bc	cu	se	6	16	4	ese
ITASCA	193707181130	10.3	101		193707172400	0.9720	182.3260	exs	16	29.820	82	79	84	bc	cu	e	2	25	4	exs
LAMSON	193707181130	11.1	246		193707172400	1.1158	176.9632	se	11	29.970	82	78	83	bc	ci cu	se	6	20	1	e
LEX	193707181130	16.7	20	c/cs	193707172400	1.1872	176.9677	100	18	29.810	82	82	84	c	ci cu		2	20	1	
LAMSON	193707181131	16.2	21	c/cs	193707180001	1.1146	176.9604		0	0.000	0	0	0				0	0	0	
SWAN	193707181200	9.0	49		193707182400	0.0000	0.0000	ne	18	29.760	83	83	86	bc	a cu	ne	6	1	2	
DRAYTON	193707181203	12.1	358	c/c	193707180033	2.0615	177.2022		0	0.000	0	0	0				0	0	0	
DRAYTON	193707181213	13.1	358	c/s	193707180043	2.0952	177.2011		0	0.000	0	0	0				0	0	0	
CUSHING	193707181230	12.5	264		193707180100	-0.0439	177.5699	e	11	29.610	81	79	81	o	cu nb	e	10	10	1	ne
DRAYTON	193707181230	13.1	358		193707180100	2.1571	177.1989	ese	16	29.640	84	84	81	bc	cu	se	5	15	3	ese
ITASCA	193707181230	10.3	101		193707180100	0.9400	182.4949	exs	11	29.800	82	79	83	bc	ci cu	ese	3	25	4	ese
LAMSON	193707181230	16.2	21		193707180100	1.3618	177.0577	e	16	29.920	82	78	83	c	cu	ne	8	10	1	ne
LEX	193707181230	16.7	20		193707180100	1.4481	177.0633	115	20	29.760	82	81	84	c	cu	ese	8	25	1	
CUSHING	193707181232	11.6	34	c/c	193707180102	-0.0446	177.5630		0	0.000	0	0	0				0	0	0	
CUSHING	193707181235	12.6	34	c/s	193707180105	-0.0365	177.5683		0	0.000	0	0	0				0	0	0	
CUSHING	193707181330	12.6	34		193707180200	0.1232	177.6746	e	16	29.590	81	79	81	bcz	cu	e	3	8	2	ne
DRAYTON	193707181330	13.1	358		193707180200	2.3759	177.1911	ese	16	29.620	84	84	81	bc	cu	se	5	20	3	ese
ITASCA	193707181330	10.3	101		193707180200	0.9080	182.6639	e	11	29.790	82	79	83	bc	ci cu	exs	2	25	2	e
LAMSON	193707181330	16.2	21		193707180200	1.6132	177.1567	ene	16	29.920	82	78	83	c	cu	ne	8	10	1	ne
LEX	193707181330	16.7	20		193707180200	1.7091	177.1589	116	21	29.760	82	82	84	bc	ci cu	ese	4	25	1	
CUSHING	193707181430	12.6	34		193707180300	0.2974	177.7906	e	20	29.570	80	79	81	bcz	cu	e	2	8	3	ne
DRAYTON	193707181430	13.1	358		193707180300	2.5947	177.1833	ese	16	29.580	83	83	81	bc	cu	se	5	20	4	ese
ITASCA	193707181430	10.3	101		193707180300	0.8760	182.8329	e	16	29.780	82	79	83	bc	cu	e	2	20	2	e
LAMSON	193707181430	16.2	21		193707180300	1.8646	177.2557	ene	16	29.910	82	78	83	bc	cu	ne	7	10	1	ne
LEX	193707181430	16.7	20		193707180300	1.9700	177.2545	121	22	29.740	82	83	84	c	cu nb	ese	6	25	1	
CUSHING	193707181530	12.6	34		193707180400	0.4717	177.9066	e	20	29.570	80	79	80	bcz	cu	e	2	8	3	ne
DRAYTON	193707181530	13.1	358		193707180400	2.8134	177.1754	ese	16	29.570	83	83	81	bc	cu	se	5	20	4	ese
ITASCA	193707181530	10.3	101		193707180400	0.8441	183.0019	e	11	29.770	82	79	83	bc	cu	e	3	20	2	e
LAMSON	193707181530	16.2	21		193707180400	2.1160	177.3547	ene	16	29.910	80	78	83	bcq	cu	ne	7	10	1	ne
LEX	193707181530	16.7	20		193707180400	2.2309	177.3501	117	20	29.740	80	81	84	c	cu nb	ese	6	25	1	
CUSHING	193707181630	12.6	34		193707180500	0.6459	178.0226	e	20	29.570	82	80	80	bc	cu	e	3	10	1	ne
DRAYTON	193707181630	13.1	358		193707180500	3.0322	177.1676	ene	20	29.600	83	83	81	c	cu nb	ne	8	10	3	ene
ITASCA	193707181630	10.3	101		193707180500	0.8121	183.1709	e	11	29.780	82	80	83	c	st cu	e	8	25	2	e
LAMSON	193707181630	16.2	21		193707180500	2.3675	177.4537	ene	16	29.910	81	79	83	bc	cu nb	ne	7	10	1	e
LEX	193707181630	16.7	20		193707180500	2.4919	177.4458	126	19	29.740	81	80	84	c	cu nb	ese	9	25	2	se
ITASCA	193707181636	7.8	101	c/s	193707180506	0.8089	183.1878		0	0.000	0	0	0				0	0	0	
ITASCA	193707181716	7.8	96	c/c	193707180546	0.7928	183.2731		0	0.000	0	0	0				0	0	0	
CUSHING	193707181730	12.6	34		193707180600	0.8201	178.1387	e	20	29.580	82	80	80	bc	cu	e	4	10	1	ne
DRAYTON	193707181730	13.1	358		193707180600	3.2509	177.1598	ene	20	29.610	83	83	81	bc	st cu	ne	6	15	3	ene
ITASCA	193707181730	7.8	96		193707180600	0.7895	183.3034	e	11	29.790	82	80	83	c	st cu	e	8	25	2	e
LAMSON	193707181730	16.2	21		193707180600	2.6189	177.5527	ene	16	29.920	81	79	83	c	nb	ne	9	10	1	e
LEX	193707181730	16.7	20		193707180600	2.7528	177.5414	111	23	29.740	77	76	84	cqr	nb	ese	8	20	2	se
ITASCA	193707181812	0.7	285	c/s	193707180642	0.7795	183.3941		0	0.000	0	0	0				0	0	0	
LEX	193707181814	11.7	18	c/s	193707180644	2.9442	177.6116		0	0.000	0	0	0				0	0	0	
CUSHING	193707181815	15.5	49	c/cs	193707180645	0.9508	178.2257		0	0.000	0	0	0				0	0	0	

Ship	Timez	Speed	Heading	Comment	Timel	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
LEX	193707181816	10.8	106	c/c	193707180646	2.9503	177.6136		0	0.000	0	0	0				0	0		
CUSHING	193707181830	16.5	49	c/s	193707180700	0.9929	178.2747 e	20	29.580	82	80	82	82	bc	ci cu e		5	20	1	ne
DRAYTON	193707181830	13.1	358		193707180700	3.4697	177.1520 ene	24	29.630	82	82	81	81	bc	st cu ne		7	30	3	ene
ITASCA	193707181830	0.7	285		193707180700	0.7804	183.3908 e	11	29.810	82	80	83	83	c	st cu e		7	25	2	e
LAMSON	193707181830	16.2	21		193707180700	2.8703	177.6518 ene	20	29.950	82	79	83	83	cq	cu nb ne		7	10	1	e
LEX	193707181830	10.8	106		193707180700	2.9387	177.6542 113	26	29.760	82	77	84	84	cq	cu nb ese		8	25	3	e
LEX	193707181835	6.8	107	c/c	193707180705	2.9346	177.6686	0	0.000	0	0	0	0				0	0	0	
LEX	193707181842	15.3	42	c/cs	193707180712	2.9308	177.6814	0	0.000	0	0	0	0				0	0	0	
LAMSON	193707181843	15.0	44	c/cs	193707180713	2.9248	177.6732	0	0.000	0	0	0	0				0	0	0	
DRAYTON	193707181900	16.8	47	c/cs	193707180730	3.5791	177.1481	0	0.000	0	0	0	0				0	0	0	
CUSHING	193707181901	19.5	76	c/cs	193707180731	1.0853	178.3826	0	0.000	0	0	0	0				0	0	0	
CUSHING	193707181910	19.5	50	c/c	193707180740	1.0969	178.4298	0	0.000	0	0	0	0				0	0	0	
CUSHING	193707181913	22.5	44	c/cs	193707180743	1.1075	178.4422	0	0.000	0	0	0	0				0	0	0	
CUSHING	193707181930	22.6	40	fixx	193707180800	1.1833	178.5167 e	25	29.600	84	80	82	82	bc	ci cu e		6	20	2	ne
DRAYTON	193707181930	14.8	40	fixx	193707180800	3.6750	177.2500 ene	24	29.660	80	80	81	81	bc	st cu ne		7	30	3	ene
ITASCA	193707181930	0.7	285		193707180800	0.7834	183.3798 e	11	29.810	84	81	82	82	c	st cu e		7	25	2	e
LAMSON	193707181930	15.3	46	fixx	193707180800	3.0667	177.8083 ene	20	29.970	84	79	83	83	c	cu nb ne		9	18	1	e
LEX	193707181930	17.2	42	fixx	193707180800	3.0833	177.8167 118	23	29.780	82	81	84	84	cq	st cu ese		6	25	3	e
CUSHING	193707182030	22.6	40		193707180900	1.4709	178.7599 e	20	29.610	84	81	82	82	bc	ci cu e		6	20	2	ne
DRAYTON	193707182030	14.8	40		193707180900	3.8646	177.4083 ene	24	29.660	80	81	81	81	bc	st cu ne		7	30	5	ene
ITASCA	193707182030	0.7	285		193707180900	0.7864	183.3688 e	11	29.830	82	79	82	82	cp	st cu e		8	25	2	e
LAMSON	193707182030	15.3	46		193707180900	3.2434	177.9933 ene	20	29.980	84	79	84	84	c	cu nb ne		9	25	2	e
LEX	193707182030	17.2	42		193707180900	3.2951	178.0094 105	22	29.800	84	83	84	84	bc	ci cu e		7	25	3	e
CUSHING	193707182042	23.1	26	c/c	193707180912	1.5284	178.8085	0	0.000	0	0	0	0				0	0	0	
CUSHING	193707182130	23.1	26		193707181000	1.8045	178.9442 e	20	29.610	84	81	82	82	bc	ci cu e		5	20	2	ne
DRAYTON	193707182130	14.8	40		193707181000	4.0542	177.5666 ene	24	29.640	83	83	81	81	bc	acu ne		7	30	5	ene
ITASCA	193707182130	0.7	285		193707181000	0.7894	183.3578 e	11	29.830	82	80	82	82	bc	a cu e		5	25	2	e
LAMSON	193707182130	15.3	46		193707181000	3.4201	178.1784 ene	20	29.980	84	80	84	84	c	cu nb ne		9	25	3	e
LEX	193707182130	17.2	42		193707181000	3.5069	178.2022 115	20	29.800	84	82	84	84	bc	ci cu e		6	25	3	e
LEX	193707182132	11.7	108	c/cs	193707181002	3.5139	178.2087	0	0.000	0	0	0	0				0	0	0	
CUSHING	193707182134	25.1	27	c/s	193707181004	1.8275	178.9555	0	0.000	0	0	0	0				0	0	0	
LEX	193707182207	14.2	42	c/cs	193707181037	3.4781	178.3169	0	0.000	0	0	0	0				0	0	0	
LAMSON	193707182209	13.3	46	c/s	193707181039	3.5349	178.2987	0	0.000	0	0	0	0				0	0	0	
LEX	193707182212	15.2	42	c/s	193707181042	3.4928	178.3300	0	0.000	0	0	0	0				0	0	0	
CUSHING	193707182230	25.1	27		193707181100	2.1763	179.1298 e	20	29.610	84	82	82	82	bc	ci cu e		5	20	2	ne
DRAYTON	193707182230	14.8	40		193707181100	4.2438	177.7250 ene	24	29.640	83	81	81	81	bc	ci cu ne		7	30	5	ene
ITASCA	193707182230	0.7	285		193707181100	0.7924	183.3468 e	11	29.830	83	80	82	82	c	a cu e		7	25	2	e
LAMSON	193707182230	13.3	46		193707181100	3.5885	178.3552 ene	20	29.990	84	80	84	84	c	cu nb ne		7	25	3	e
LEX	193707182230	15.2	42		193707181100	3.5493	178.3808 102	20	29.820	83	79	84	84	bc	ci cu e		8	25	2	e
ITASCA	193707182250	3.7	33	c/cs	193707181120	0.7934	183.3431	0	0.000	0	0	0	0				0	0	0	
ITASCA	193707182257	7.2	37	c/s	193707181127	0.7995	183.3470	0	0.000	0	0	0	0				0	0	0	
ITASCA	193707182310	10.7	39	c/s	193707181140	0.8203	183.3628	0	0.000	0	0	0	0				0	0	0	
CUSHING	193707182330	24.9	33	fixx	193707181200	2.5500	179.3167 e	20	29.590	84	81	82	82	bc	ci cu e		5	20	2	ne
DRAYTON	193707182330	16.0	45	fixx	193707181200	4.4333	177.8833 ene	24	29.680	78	77	81	81	bc	st cu ne		7	30	5	ene
ITASCA	193707182330	11.1	38	fixx	193707181200	0.8667	183.4000 e	11	29.810	86	82	82	82	bc	cu e		3	25	2	e
LAMSON	193707182330	14.0	53	fixx	193707181200	3.7417	178.5167 e	20	29.970	84	80	84	84	c	cu nb ne		8	25	3	e
LEX	193707182330	14.2	107	fixx	193707181200	3.7375	178.5500 101	19	29.800	82	80	84	84	bc	ci cu e		8	25	2	e
LEX	193707190022	14.2	107	c/c	193707181252	3.8829	178.6977	0	0.000	0	0	0	0				0	0	0	
CUSHING	193707190030	24.9	33		193707181300	2.8976	179.5430 ne	30	29.570	84	81	82	82	bc	cu e		3	25	4	ne
DRAYTON	193707190030	16.0	45		193707181300	4.6226	178.0727 e	20	29.640	81	80	81	81	c	a st e		7	30	4	e
ITASCA	193707190030	11.1	38		193707181300	1.0127	183.5143 ese	11	29.800	88	83	83	83	bc	a cu e		4	25	2	e
LAMSON	193707190030	14.0	53		193707181300	3.8822	178.7043 e	20	29.920	85	80	84	84	c	cu nb e		7	25	4	e
LEX	193707190030	14.2	107		193707181300	3.8737	178.7281 108	18	29.780	84	79	85	85	bc	ci cu e		8	25	2	e
LEX	193707190041	16.3	45	c/cs	193707181311	3.8610	178.7698	0	0.000	0	0	0	0				0	0	0	
LAMSON	193707190043	16.0	52	c/s	193707181313	3.9126	178.7450	0	0.000	0	0	0	0				0	0	0	
CUSHING	193707190130	24.9	33		193707181400	3.2453	179.7695 ne	30	29.570	84	82	82	82	bc	cu e		4	25	4	ne
DRAYTON	193707190130	16.0	45		193707181400	4.8119	178.2622 e	24	29.600	82	80	82	82	cp	cu nb e		8	25	5	e
ITASCA	193707190130	11.1	38		193707181400	1.1587	183.6287 ese	11	29.780	85	82	83	83	op	st cu e		10	20	2	e
LAMSON	193707190130	16.0	52		193707181400	4.0412	178.9105 e	20	29.920	85	80	84	84	bc	a cu e		6	25	4	e
LEX	193707190130	16.3	45		193707181400	4.0173	178.9283 104	18	29.760	83	80	86	86	bc	ci cu e		7	25	2	e
CUSHING	193707190146	25.1	47	c/c	193707181416	3.3380	179.8299	0	0.000	0	0	0	0				0	0	0	
CUSHING	193707190152	15.9	34	c/cs	193707181422	3.3665	179.8605	0	0.000	0	0	0	0				0	0	0	
CUSHING	193707190218	16.1	48	c/c	193707181448	3.4614	179.9252	0	0.000	0	0	0	0				0	0	0	



Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
CUSHING	193707190219	16.6	48	c/s	193707181449	3.4644	179.9285		0	0.000	0	0	0				0	0	0	
CUSHING	193707190230	16.6	48		193707181500	3.4983	179.9663 e		20	29.540	84	81	83	bc	cu	e	4	25	4	e
DRAYTON	193707190230	16.0	45		193707181500	5.0012	178.4517 e		24	29.580	82	81	82	cp	cu nb	e	8	25	5	e
ITASCA	193707190230	11.1	38		193707181500	1.3048	183.7431 ese		11	29.770	83	81	83	op	cu nb	e	10	20	2	e
LAMSON	193707190230	16.0	52		193707181500	4.2052	179.1219 e		20	29.910	85	80	84	bc	a cu	e	6	25	4	e
LEX	193707190230	16.3	45		193707181500	4.2086	179.1225 103		17	29.740	83	80	86	bc	ci cu	e	7	25	2	e
DRAYTON	193707190316	18.0	86	c/cs	193707181546	5.1463	178.5971		0	0.000	0	0	0				0	0	0	
CUSHING	193707190323	18.1	18	c/cs	193707181553	3.6617	180.1486		0	0.000	0	0	0				0	0	0	
CUSHING	193707190330	18.1	18		193707181600	3.6953	180.1593 e		20	29.540	85	82	82	bc	cu	e	6	25	4	e
DRAYTON	193707190330	18.0	86		193707181600	5.1513	178.6672 e		24	29.570	82	80	82	cp	cu nb	e	8	30	5	e
ITASCA	193707190330	11.1	38		193707181600	1.4508	183.8574 ese		11	29.760	85	82	83	cp	cu nb	e	7	20	2	e
LAMSON	193707190330	14.0	53	c/s	193707181600	4.3693	179.3333 e		20	29.890	85	80	84	bc	a cu	e	6	25	4	e
LEX	193707190330	9.8	106	met	193707181600	4.4000	179.3167 110		18	29.730	83	80	86	bc	ci cu	e	8	25	1	e
DRAYTON	193707190346	18.0	78	c/c	193707181616	5.1571	178.7474		0	0.000	0	0	0				0	0	0	
LEX	193707190349	9.8	106	c/cs	193707181619	4.4632	179.3764		0	0.000	0	0	0				0	0	0	
LAMSON	193707190355	15.3	59	c/cs	193707181625	4.4279	179.4115		0	0.000	0	0	0				0	0	0	
LEX	193707190424	15.4	50	c/cs	193707181654	4.4363	179.4678		0	0.000	0	0	0				0	0	0	
CUSHING	193707190430	18.1	18		193707181700	3.9837	180.2509 e		20	29.530	84	81	82	bc	cu	e	4	30	4	e
DRAYTON	193707190430	18.0	83	c/c	193707181700	5.2034	178.9637 e		24	29.590	83	80	82	cp	cu nb	e	8	30	5	e
ITASCA	193707190430	11.1	38		193707181700	1.5968	183.9718 exs		11	29.760	85	82	83	c	cu	e	8	25	2	exs
LAMSON	193707190430	15.3	59		193707181700	4.5034	179.5399 e		20	29.900	84	79	84	bc	a cu	e	8	25	4	e
LEX	193707190430	15.4	50		193707181700	4.4528	179.4875 100		16	29.740	84	80	85	bc	ci cu	e	6	35	1	se
DRAYTON	193707190500	18.0	88	c/c	193707181730	5.2220	179.1133		0	0.000	0	0	0				0	0	0	
CUSHING	193707190518	17.9	355	c/c	193707181748	4.2143	180.3241		0	0.000	0	0	0				0	0	0	
CUSHING	193707190530	17.9	355		193707181800	4.2736	180.3189 e		20	29.550	84	82	82	bc	cu nb	e	5	30	4	e
DRAYTON	193707190530	18.0	88		193707181800	5.2276	179.2640 e		24	29.580	83	80	82	cp	cu nb	e	8	30	5	e
ITASCA	193707190530	11.1	38		193707181800	1.7429	184.0862 exs		11	29.760	85	82	83	c	cu	e	8	25	2	exs
LAMSON	193707190530	15.3	59		193707181800	4.6328	179.7598 e		20	29.940	82	79	84	bc	a cu	e	8	25	4	e
LEX	193707190530	15.4	50		193707181800	4.6176	179.6847 102		15	29.730	80	82	85	bc	cu nb	e	6	35	1	e
LEX	193707190600	17.2	54	radm	193707181830	4.7000	179.7833		0	0.000	0	0	0				0	0	0	
CUSHING	193707190630	17.9	355		193707181900	4.5701	180.2928 e		20	29.590	82	80	82	bc	cu nb	e	6	20	4	ne
DRAYTON	193707190630	18.0	88		193707181900	5.2388	179.5653 e		24	29.580	81	79	81	cp	cu nb	e	8	20	5	e
ITASCA	193707190630	11.1	38		193707181900	1.8889	184.2006 ese		11	29.780	83	81	83	bc	ci cu	e	4	25	2	exs
LAMSON	193707190630	15.3	59		193707181900	4.7622	179.9799 nee		20	29.950	83	79	84	c	cu nb	ne	8	25	4	e
LEX	193707190630	17.2	54		193707181900	4.7833	179.9000 120		14	29.760	81	77	85	bcp	st cu	e	8	20	1	e
ITASCA	193707190708	11.1	40	c/c	193707181938	1.9814	184.2730		0	0.000	0	0	0				0	0	0	
CUSHING	193707190730	18.6	356	fixx	193707182000	4.8667	180.2667 e		20	29.630	80	80	82	bc	cu nb	e	6	15	4	ne
DRAYTON	193707190730	18.2	84	fixx	193707182000	5.2500	179.8667 e		24	29.630	81	78	81	cp	cu nb	e	8	16	5	e
ITASCA	193707190730	11.6	41	fixx	193707182000	2.0333	184.3167 exs		11	29.790	83	81	0	bc	cu	e	3	25	2	exs
LAMSON	193707190730	15.4	52	fixx	193707182000	4.8917	180.2000 nee		16	29.960	80	79	84	cq	cu nb	ne	9	20	4	e
LEX	193707190730	15.9	52	fixx	193707182000	4.9500	180.1333 105		17	29.780	81	79	85	c	st cu	e	8	20	1	e
CUSHING	193707190830	18.6	356		193707182100	5.1766	180.2453 e		24	29.610	83	81	82	bc	cu nb	ne	6	15	5	ne
DRAYTON	193707190830	18.2	84		193707182100	5.2840	180.1694 e		24	29.650	82	78	81	cp	cu nb	e	8	16	5	e
ITASCA	193707190830	11.6	41		193707182100	2.1792	184.4430 ese		16	29.810	83	80	0	bc	cu	e	3	25	4	ese
LAMSON	193707190830	15.4	52		193707182100	5.0493	180.4032 e		11	29.990	81	79	84	o	cu nb	e	8	15	2	e
LEX	193707190830	15.9	52		193707182100	5.1139	180.3413 082		15	29.780	82	79	85	c	st cu	e	9	20	1	e
DRAYTON	193707190832	18.4	76	c/c	193707182102	5.2851	180.1795		0	0.000	0	0	0				0	0	0	
CUSHING	193707190840	15.9	53	c/c	193707182110	5.2283	180.2418		0	0.000	0	0	0				0	0	0	
CUSHING	193707190930	15.9	53		193707182200	5.3598	180.4203 e		20	29.600	82	80	82	bc	cu nb	ne	6	15	4	ne
DRAYTON	193707190930	18.4	76		193707182200	5.3582	180.4680 e		24	29.650	80	78	81	cp	cu nb	e	8	16	5	e
ITASCA	193707190930	11.6	41		193707182200	2.3250	184.5693 ese		16	29.820	83	81	0	bc	cu	e	5	25	4	ese
LAMSON	193707190930	15.4	52		193707182200	5.2069	180.6064 e		11	30.000	81	79	84	oq	cu nb	e	8	12	2	e
LEX	193707190930	15.9	52		193707182200	5.2778	180.5494 070		15	29.800	81	78	85	c	st cu	e	8	20	1	e
CUSHING	193707191030	15.9	53		193707182300	5.5177	180.6346 e		20	29.620	82	80	82	bc	cu nb	ne	6	15	4	ne
DRAYTON	193707191030	18.4	76		193707182300	5.4338	180.7664 e		24	29.660	81	78	81	cp	cu nb	e	8	16	5	e
ITASCA	193707191030	11.6	41		193707182300	2.4708	184.6957 ese		20	29.810	83	80	0	bc	cu	e	5	25	4	ese
LAMSON	193707191030	15.4	52		193707182300	5.3646	180.8097 ene		11	30.000	82	79	84	bc	cu nb	e	6	10	2	e
LEX	193707191030	15.9	52		193707182300	5.4417	180.7575 075		14	29.810	82	79	85	bc	st cu	e	5	25	1	e
DRAYTON	193707191046	15.4	75	c/s	193707182316	5.4540	180.8460		0	0.000	0	0	0				0	0	0	
DRAYTON	193707191057	16.0	48	c/c	193707182327	5.4663	180.8916		0	0.000	0	0	0				0	0	0	
CUSHING	193707191130	15.9	53		193707182400	5.6755	180.8489 e		20	29.640	82	80	82	bc	cu nb	ne	1	15	4	ne
DRAYTON	193707191130	16.0	48		193707182400	5.5639	181.0014 e		24	29.650	81	79	81	cp	cu nb	e	8	16	5	e
ITASCA	193707191130	11.6	41		193707182400	2.6167	184.8220 ese		20	29.800	83	80	0	bc	cu	e	7	25	4	ese

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
LAMSON	193707191130	15.4	52		193707182400	5.5222	181.0130	ene	11	30.000	81	79	84	bc	cu nb	e	8	14	2	e
LEX	193707191130	15.9	52		193707182400	5.6056	180.9657	084	13	29.820	82	80	85	bc	st cu	e	5	25	1	e
CUSHING	193707191230	15.9	53		193707190100	5.8333	181.0633	ene	24	29.600	82	81	82	bc	cu nb	ene	5	15	4	ene
DRAYTON	193707191230	16.0	48		193707190100	5.7413	181.2010	e	24	29.650	81	79	81	cp	cu nb	e	7	16	4	e
ITASCA	193707191230	11.6	41		193707190100	2.7625	184.9484	exn	16	29.790	83	80	83	c	a cu	e	7	20	4	ese
LAMSON	193707191230	15.4	52		193707190100	5.6799	181.2164	e	20	29.970	82	80	84	bc	cu nb	e	6	15	1	e
LEX	193707191230	15.9	52		193707190100	5.7694	181.1739	073	18	29.810	82	80	85	o	st cu		6	35	1	e
CUSHING	193707191330	15.9	53		193707190200	5.9912	181.2778	ene	20	29.580	81	80	82	op	cu nb	ene	10	10	4	ene
DRAYTON	193707191330	16.0	48		193707190200	5.9187	181.4007	e	20	29.640	81	79	81	cp	cu nb	e	7	16	4	e
ITASCA	193707191330	11.6	41		193707190200	2.9083	185.0747	exn	16	29.770	83	80	83	cp	st cu	e	9	20	4	ese
LAMSON	193707191330	15.4	52		193707190200	5.8375	181.4198	e	20	29.960	82	80	84	q	cu nb	e	6	10	1	e
LEX	193707191330	15.9	52		193707190200	5.9333	181.3822	080	14	29.980	82	80	85	or	cu nb		10	30	1	e
CUSHING	193707191430	15.9	53		193707190300	6.1490	181.4923	ene	24	29.600	79	79	82	op	cu nb	ene	10	10	4	ene
DRAYTON	193707191430	16.0	48		193707190300	6.0962	181.6005	e	24	29.640	79	79	82	cr	nb	e	10	10	5	e
ITASCA	193707191430	11.6	41		193707190300	3.0542	185.2011	exn	16	29.770	83	80	83	c	a cu	e	6	20	4	ese
LAMSON	193707191430	15.4	52		193707190300	5.9951	181.6233	e	20	29.950	78	78	83	q	cu nb	e	6	15	1	e
LEX	193707191430	15.9	52		193707190300	6.0972	181.5906	094	17	29.760	78	75	85	or	nb		10	15	1	e
CUSHING	193707191530	15.9	53		193707190400	6.3069	181.7069	ene	20	29.580	80	80	82	bc	cu nb	ene	7	15	4	ene
DRAYTON	193707191530	16.0	48		193707190400	6.2736	181.8002	e	24	29.640	80	79	82	bc	st cu	e	5	16	5	e
ITASCA	193707191530	11.6	41		193707190400	3.2000	185.3275	exn	16	29.760	82	80	82	bc	a cu	e	3	20	4	ese
LAMSON	193707191530	15.4	52		193707190400	6.1528	181.8268	e	20	29.950	78	78	83	q	cu nb	e	7	15	1	e
LEX	193707191530	15.9	52		193707190400	6.2611	181.7990	094	15	29.760	80	78	84	c	cu nb		7	30	1	e
CUSHING	193707191630	15.9	53		193707190500	6.4647	181.9215	ene	20	29.590	80	80	82	bc	cu	ene	6	10	3	ene
DRAYTON	193707191630	16.0	48		193707190500	6.4510	182.0001	e	20	29.630	82	79	81	bc	st cu	e	5	16	4	e
ITASCA	193707191630	11.6	41		193707190500	3.3458	185.4540	exn	16	29.780	82	80	82	bc	cu	e	2	20	4	exs
LAMSON	193707191630	15.4	52		193707190500	6.3104	182.0305	e	16	29.940	81	78	83	bc	cu	e	6	15	1	e
LEX	193707191630	15.9	52		193707190500	6.4250	182.0075	095	13	29.770	81	78	84	bc	st cu		5	30	1	e
CUSHING	193707191730	15.9	53		193707190600	6.6226	182.1363	ne	11	29.620	80	80	82	c	cu	ene	8	20	2	ene
DRAYTON	193707191730	16.0	48		193707190600	6.6285	182.2000	ene	20	29.620	82	79	81	bc	st cu	e	5	18	4	e
ITASCA	193707191730	11.6	41		193707190600	3.4917	185.5804	exs	16	29.780	82	80	82	c	st cu	e	7	25	4	exs
LAMSON	193707191730	15.4	52		193707190600	6.4681	182.2341	e	16	29.960	81	79	83	bc	cu	e	9	25	1	e
LEX	193707191730	15.9	52		193707190600	6.5889	182.2160	107	14	29.770	81	78	84	c	st cu		7	30	1	e
CUSHING	193707191830	18.7	34	c/cs	193707190700	6.7804	182.3511	ne	11	29.650	81	81	82	c	cu nb	ene	9	20	2	ene
DRAYTON	193707191830	16.0	48		193707190700	6.8059	182.4000	ene	20	29.630	82	79	81	c	cu nb	e	10	19	4	e
ITASCA	193707191830	11.6	41		193707190700	3.6375	185.7069	exs	16	29.800	83	80	82	bc	a cu	e	5	25	4	exs
LAMSON	193707191830	15.4	52		193707190700	6.6257	182.4379	e	16	30.000	81	79	83	bc	cu	e	9	25	1	e
LEX	193707191830	15.9	52		193707190700	6.7528	182.4246	100	16	29.790	82	78	84	c	st cu		7	30	1	e
CUSHING	193707191842	15.9	53	c/cs	193707190712	6.8321	182.3864		0	0.000	0	0	0				0	0	0	
CUSHING	193707191930	15.4	52	fixx	193707190800	6.9583	182.5583	ne	11	29.690	81	81	82	cq	cu nb	ene	10	10	2	ene
DRAYTON	193707191930	16.3	58	fixx	193707190800	6.9833	182.6000	ene	20	29.700	78	77	81	cp	cu nb	e	10	20	4	ese
ITASCA	193707191930	11.3	41	fixx	193707190800	3.7833	185.8333	exs	16	29.830	83	80	84	c	st cu	e	8	20	4	exs
LAMSON	193707191930	17.4	49	fixx	193707190800	6.7833	182.6417	e	11	30.000	79	76	83	oq	cu nb	e	10	25	1	e
LEX	193707191930	16.0	54	fixx	193707190800	6.9167	182.6333	130	14	29.810	79	77	84	c	cu nb		8	30	1	e
CUSHING	193707192030	15.4	52		193707190900	7.1167	182.7628	ne	11	29.700	81	81	82	cq	cu nb	ene	6	10	2	ne
DRAYTON	193707192030	16.3	58		193707190900	7.1292	182.8311	ene	20	29.740	78	74	80	cp	cu nb	e	9	30	4	ese
ITASCA	193707192030	11.3	41		193707190900	3.9250	185.9583	exs	16	29.830	85	81	84	c	ci st	e	7	20	4	exs
LAMSON	193707192030	17.4	49		193707190900	6.9750	182.8603	e	11	30.030	79	77	83	oq	cu nb	e	9	25	1	e
LEX	193707192030	16.0	54		193707190900	7.0750	182.8500	141	15	29.850	78	77	84	c	st cu		8	30	4	e
CUSHING	193707192130	15.4	52		193707191000	7.2750	182.9673	ne	11	29.680	82	80	82	bc	ci st	ne	7	10	2	ne
DRAYTON	193707192130	16.3	58		193707191000	7.2750	183.0623	ene	20	29.710	80	77	81	cp	cu nb	e	9	30	4	ese
ITASCA	193707192130	11.3	41		193707191000	4.0667	186.0833	exs	16	29.850	86	82	84	o	ci cu	e	10	20	4	exs
LAMSON	193707192130	17.4	49		193707191000	7.1667	183.0790	e	11	30.030	81	78	83	oq	cu nb	e	7	30	1	e
LEX	193707192130	15.7	55	radm	193707191000	7.2333	183.0667	113	19	29.870	81	77	84	c	st cu		2	30	4	e
CUSHING	193707192230	15.4	52		193707191100	7.4333	183.1719	ne	11	29.680	82	80	82	bc	ci cu	ne	7	10	2	ne
DRAYTON	193707192230	16.3	58		193707191100	7.4208	183.2936	ene	20	29.680	82	78	81	bc	cu	e	8	30	4	e
ITASCA	193707192230	11.3	41		193707191100	4.2083	186.2083	exs	16	29.830	87	80	84	o	ci st	e	10	20	4	exs
LAMSON	193707192230	17.4	49		193707191100	7.3583	183.2978	e	11	30.010	83	78	84	bc	ci cu	e	5	30	1	e
LEX	193707192230	15.7	55		193707191100	7.3833	183.2833	133	15	29.860	82	78	84	c	cu		8	30	4	e
CUSHING	193707192330	15.4	52		193707191200	7.5917	183.3765	ne	11	29.640	82	79	82	bc	ci cu	ne	7	10	2	ne
DRAYTON	193707192330	14.7	49	fixx	193707191200	7.5667	183.5250	e	20	29.640	84	79	81	bc	st cu	e	8	35	4	e
ITASCA	193707192330	10.9	42	fixx	193707191200	4.3500	186.3333	exs	16	29.820	88	83	0	o	ci st	e	10	20	4	exs
LAMSON	193707192330	15.3	49	fixx	193707191200	7.5500	183.5167	e	16	29.990	83	78	84	bc	ci cu	e	5	30	1	e
LEX	193707192330	15.3	50	met	193707191200	7.5333	183.5000	116	19	29.860	83	78	84	c	cu		8	30	4	e

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
CUSHING	193707200030	15.4	52		193707191300	7.7500	183.5813	ne	20	29.630	82	78	82	bc	ci cu ne	7	10	2	ne	
DRAYTON	193707200030	14.7	49		193707191300	7.7271	183.7112	e	24	29.650	83	80	81	bc	ci st e	5	35	4	e	
ITASCA	193707200030	10.9	42		193707191300	4.4840	186.4555	exs	20	29.810	85	82	0	cpq	st cu e	9	20	5	exs	
LAMSON	193707200030	15.3	49		193707191300	7.7167	183.7112	e	16	29.980	83	80	84	bc	ci cu e	5	30	1	e	
LEX	193707200030	15.3	50		193707191300	7.6979	183.6966	118	17	29.800	82	79	84	bc	ci cu	4	30	1	e	
CUSHING	193707200130	15.4	52		193707191400	7.9083	183.7861	ne	24	29.600	83	79	82	bc	ci cu ne	8	10	2	ne	
DRAYTON	193707200130	14.7	49		193707191400	7.8875	183.8975	e	24	29.630	83	79	81	bc	ci st e	4	35	4	e	
ITASCA	193707200130	10.9	42		193707191400	4.6181	186.5776	exs	16	29.800	86	83	0	c	st cu e	8	20	4	exs	
LAMSON	193707200130	15.3	49		193707191400	7.8833	183.9058	e	16	29.970	83	80	83	bc	ci cu e	5	30	1	e	
LEX	193707200130	15.3	50		193707191400	7.8625	183.8933	115	17	29.800	83	79	84	bc	ci cu	4	30	1	e	
CUSHING	193707200230	15.4	52		193707191500	8.0667	183.9910	ne	20	29.600	82	77	82	bc	ci cu ne	9	10	2	ne	
DRAYTON	193707200230	14.7	49		193707191500	8.0479	184.0839	e	24	29.640	82	79	81	cp	cu nb e	4	30	4	e	
ITASCA	193707200230	10.9	42		193707191500	4.7521	186.6998	exs	24	29.780	86	82	0	ogq	cu nb e	10	20	5	exs	
LAMSON	193707200230	15.3	49		193707191500	8.0500	184.1005	e	16	29.960	83	80	83	q	ci cu e	5	30	1	e	
LEX	193707200230	15.3	50		193707191500	8.0271	184.0901	117	14	29.780	80	78	84	bc	cu nb	0	30	1	e	
CUSHING	193707200330	15.4	52		193707191600	8.2250	184.1959	ne	20	29.630	78	77	82	cq	ci cu ne	9	15	2	ne	
DRAYTON	193707200330	14.7	49		193707191600	8.2083	184.2703	e	24	29.650	79	79	81	or	nb e	10	20	4	e	
ITASCA	193707200330	10.9	42		193707191600	4.8861	186.8220	exs	16	29.780	86	82	0	c	cu e	7	20	4	exs	
LAMSON	193707200330	15.3	49		193707191600	8.2167	184.2952	e	16	29.960	83	80	83	q	ci cu e	5	10	1	e	
LEX	193707200330	15.3	50		193707191600	8.1917	184.2869	127	17	29.780	78	77	84	cq	nb ese	8	25	1	see	
CUSHING	193707200430	15.4	52		193707191700	8.3833	184.4010	ne	16	29.630	80	78	82	cq	ci cu ne	9	10	2	ne	
DRAYTON	193707200430	14.7	49		193707191700	8.3688	184.4568	e	24	29.670	80	78	81	cp	nb e	10	20	4	e	
ITASCA	193707200430	10.9	42		193707191700	5.0202	186.9442	ese	24	29.790	84	81	0	oq	cu nb ese	10	20	5	exs	
LAMSON	193707200430	15.3	49		193707191700	8.3833	184.4901	e	16	29.970	80	78	83	cq	cu e	8	15	1	e	
LEX	193707200430	15.3	50		193707191700	8.3562	184.4838	090	17	29.780	80	76	84	cq	cu nb e	9	20	1	e	
ITASCA	193707200500	10.9	43	c/c	193707191730	5.0872	187.0053		0	0.000	0	0	0			0	0	0		
CUSHING	193707200530	15.4	52		193707191800	8.5417	184.6061	ne	16	29.630	79	76	82	cq	ci cu ne	9	15	2	ne	
DRAYTON	193707200530	14.7	49		193707191800	8.5292	184.6433	e	24	29.680	80	78	81	or	cu nb e	10	20	4	e	
ITASCA	193707200530	10.9	43		193707191800	5.1531	187.0675	ese	24	29.790	84	81	0	oq	cu nb ese	10	20	5	exs	
LAMSON	193707200530	15.3	49		193707191800	8.5500	184.6850	e	16	29.990	80	81	83	cq	cu e	8	15	1	e	
LEX	193707200530	15.3	50		193707191800	8.5208	184.6808	105	16	29.820	82	78	84	cq	cu nb e	9	20	2	e	
CUSHING	193707200630	15.4	52		193707191900	8.7000	184.8114	ne	16	29.630	78	76	82	c	ci cu ne	9	15	2	ne	
DRAYTON	193707200630	14.7	49		193707191900	8.6896	184.8300	e	24	29.680	80	78	80	or	cu e	8	20	4	e	
ITASCA	193707200630	10.9	43		193707191900	5.2849	187.1921	ese	24	29.800	83	81	0	oq	cu nb ese	10	20	5	exs	
LAMSON	193707200630	15.3	49		193707191900	8.7167	184.8799	e	16	30.000	81	79	83	cq	cu e	7	15	1	e	
LEX	193707200630	15.3	50		193707191900	8.6854	184.8779	106	18	29.820	81	78	84	cqu	nb e	8	20	2	e	
CUSHING	193707200730	14.6	52	fixx	193707192000	8.8583	185.0167	ne	16	29.680	80	75	80	cq	ci cu ne	9	7	2	ne	
DRAYTON	193707200730	14.7	49	fixx	193707192000	8.8500	185.0167	e	24	29.720	80	77	80	or	cu e	7	16	4	e	
ITASCA	193707200730	12.1	42	fixx	193707192000	5.4167	187.3167	ese	24	29.820	83	80	0	oq	cu nb ese	10	20	5	exs	
LAMSON	193707200730	14.1	49	fixx	193707192000	8.8833	185.0750	e	20	30.030	78	78	83	cq	cu nb e	8	10	1	e	
LEX	193707200730	14.1	49	fixx	193707192000	8.8500	185.0750	102	17	29.840	77	78	83	cq	cu nb e	9	15	2	e	
CUSHING	193707200830	14.6	52		193707192100	9.0076	185.2120	ne	16	29.660	80	75	80	c	cu nb ne	9	15	4	ne	
DRAYTON	193707200830	15.0	52		193707192100	0.0000	0.0000	e	24	29.720	79	77	80	bc	cu e	5	16	4	e	
ITASCA	193707200830	12.1	42		193707192100	5.5667	187.4526	ese	20	29.850	82	80	85	og	cu nb ese	10	20	5	exs	
LAMSON	193707200830	14.1	49		193707192100	9.0361	185.2558	e	16	30.030	79	79	82	cq	cu nb e	7	10	1	e	
LEX	193707200830	14.1	49		193707192100	9.0035	185.2545	106	21	29.880	81	77	83	bc	cu nb e	7	15	2	e	
CUSHING	193707200930	14.6	52		193707192200	9.1569	185.4075	ne	16	29.680	80	78	80	c	ci ni ne	9	15	4	ne	
ITASCA	193707200930	12.1	42		193707192200	5.7167	187.5885	ese	24	29.860	82	80	85	og	cu nb ese	10	20	5	exs	
LAMSON	193707200930	14.1	49		193707192200	9.1889	185.4368	e	20	30.060	81	79	82	cq	ci cu e	5	10	1	e	
LEX	193707200930	14.1	49		193707192200	9.1569	185.4340	102	23	29.900	80	78	83	bc	cu nb e	7	15	2	e	
CUSHING	193707201030	14.6	52		193707192300	9.3062	185.6030	ne	16	29.700	80	77	80	c	ci nb ne	8	15	4	ne	
ITASCA	193707201030	12.1	42		193707192300	5.8667	187.7245	ese	20	29.860	82	80	85	c	st cu ese	9	20	5	exs	
LAMSON	193707201030	14.1	49		193707192300	9.3417	185.6178	e	20	30.070	80	79	82	bc	a cu e	4	10	1	e	
LEX	193707201030	14.1	49		193707192300	9.3104	185.6136	104	19	29.900	80	77	83	bc	cu nb e	7	15	2	e	
CUSHING	193707201130	14.6	52		193707192400	9.4556	185.7986	ne	16	29.710	80	77	80	c	ci nb ne	7	15	4	ne	
ITASCA	193707201130	12.1	42		193707192400	6.0167	187.8606	ese	20	29.850	82	80	85	c	a cu ese	6	20	5	exs	
LAMSON	193707201130	14.1	49		193707192400	9.4944	185.7988	e	16	30.030	81	79	82	bc	a cu e	4	10	1	e	
LEX	193707201130	14.1	49		193707192400	9.4639	185.7933	101	20	29.880	80	77	83	bc	ci e	4	15	2	e	
CUSHING	193707201230	14.6	52		193707200100	9.6049	185.9943	ene	20	29.680	81	78	80	bc	cu ene	5	15	4	ene	
ITASCA	193707201230	12.1	42		193707200100	6.1667	187.9966	ese	16	29.820	83	80	85	bc	a cu ese	5	20	5	exs	
LAMSON	193707201230	14.1	49		193707200100	9.6472	185.9799	e	20	30.000	81	80	82	bc	ci cu e	6	20	1	e	
LEX	193707201230	14.1	49		193707200100	9.6174	185.9730													

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
ITASCA	193707201330	12.1	42		193707200200	6.3167	188.1327	ese	20	29.800	83	80	85	cp	cu nb	ese	7	20	5	exs
LAMSON	193707201330	14.1	49		193707200200	9.8000	186.1612	e	20	30.000	81	80	82	bc	ci cu	e	6	20	1	e
LEX	193707201330	14.1	49		193707200200	9.7708	186.1529	084	18	29.860	81	78	83	c	st cu	se	6	25	2	e
CUSHING	193707201430	14.6	52		193707200300	9.9035	186.3859	ene	20	29.660	81	77	80	bc	cu	ene	5	15	4	ene
ITASCA	193707201430	12.1	42		193707200300	6.4667	188.2688	ese	20	29.800	83	79	85	bc	cu nb	ese	4	20	5	exs
LAMSON	193707201430	14.1	49		193707200300	9.9528	186.3424	e	20	30.000	81	78	81	bc	ci cu	e	5	20	1	e
LEX	193707201430	14.1	49		193707200300	9.9243	186.3327	089	18	29.850	81	78	83	bc	st cu	se	5	25	2	e
CUSHING	193707201530	14.6	52		193707200400	10.0528	186.5819	ene	20	29.640	81	77	80	bc	cu	ene	1	15	4	ene
ITASCA	193707201530	12.1	42		193707200400	6.6167	188.4050	ese	20	29.790	83	80	84	c	st cu	ese	8	20	4	e
LAMSON	193707201530	14.1	49		193707200400	10.1056	186.5238	e	16	30.000	80	78	82	bc	ci cu	e	5	20	1	e
LEX	193707201530	14.1	49		193707200400	10.0778	186.5127	075	16	29.840	81	79	83	bc	st cu	e	6	20	1	ne
CUSHING	193707201630	14.6	52		193707200500	10.2021	186.7779	ene	20	29.650	81	77	80	bcq	cu nb	ene	5	15	4	ene
ITASCA	193707201630	12.1	42		193707200500	6.7667	188.5412	exs	11	29.790	81	79	84	c	a cu	exs	7	20	2	e
LAMSON	193707201630	14.1	49		193707200500	10.2583	186.7052	e	16	30.020	80	78	81	bc	a cu	e	5	20	1	e
LEX	193707201630	14.1	49		193707200500	10.2312	186.6927	070	20	29.850	80	79	83	bc	cu nb	e	8	20	1	ene
CUSHING	193707201730	14.6	52		193707200600	10.3514	186.9741	ene	20	29.660	80	77	80	bcq	cu nb	ene	5	25	4	ene
ITASCA	193707201730	12.1	42		193707200600	6.9167	188.6774	nexe	20	29.820	80	79	84	oqp	st cu	e	10	20	5	ene
LAMSON	193707201730	14.1	49		193707200600	10.4111	186.8867	e	16	30.030	80	78	81	bc	a cu	e	9	20	1	e
LEX	193707201730	14.1	49		193707200600	10.3847	186.8729	070	19	29.850	80	80	83	bc	cu nb	e	6	30	1	ene
CUSHING	193707201830	14.6	52		193707200700	10.5007	187.1703	ene	20	29.690	80	76	80	bc	st cu	ene	5	25	4	ene
ITASCA	193707201830	12.1	42		193707200700	7.0667	188.8137	nexe	16	29.840	80	79	84	oqp	st cu	exn	10	20	4	ene
LAMSON	193707201830	14.1	49		193707200700	10.5639	187.0683	e	16	30.030	80	78	81	bc	st cu	e	7	20	1	e
LEX	193707201830	14.1	49		193707200700	10.5382	187.0531	085	20	29.870	80	79	83	bc	st cu	e	7	35	1	ne
CUSHING	193707201930	15.0	52	fixx	193707200800	10.6500	187.3667	ene	20	29.690	80	76	80	c	cu	ene	7	25	4	ene
ITASCA	193707201930	11.8	44	fixx	193707200800	7.2167	188.9500	ne	11	29.850	80	78	84	op	nb	e	9	20	4	ene
LAMSON	193707201930	17.2	48	fixx	193707200800	10.7167	187.2500	e	16	30.040	81	78	81	bc	cu nb	e	7	30	1	e
LEX	193707201930	17.5	54	fixx	193707200800	10.6917	187.2333	090	24	29.870	81	80	83	c	st cu	e	7	35	1	e
ITASCA	193707201958	11.8	44	c/c	193707200828	7.2801	189.0170		0	0.000	0	0	0				0	0	0	
CUSHING	193707202030	15.0	52		193707200900	10.8042	187.5665	ene	20	29.700	83	78	80	c	st cu	ne	9	20	4	ne
ITASCA	193707202030	11.8	44		193707200900	7.3560	189.0899	e	16	29.860	82	80	84	cp	st cu	e	9	20	4	ene
LAMSON	193707202030	17.2	48		193707200900	10.9083	187.4665	e	20	30.070	81	79	82	bc	cu nb	e	7	30	2	e
LEX	193707202030	17.5	54		193707200900	10.8646	187.4727	095	23	29.900	82	81	83	c	st cu	e	8	35	1	e
CUSHING	193707202130	15.0	52		193707201000	10.9583	187.7665	ene	20	29.730	82	77	80	or	nb	ne	10	4	4	ne
ITASCA	193707202130	11.8	44		193707201000	7.4985	189.2265	e	16	29.860	82	80	84	cpq	st cu	e	9	20	4	ene
LAMSON	193707202130	17.2	48		193707201000	11.1000	187.6831	e	11	30.070	73	73	82	cr	cu nb	e	7	30	2	e
LEX	193707202130	17.5	54		193707201000	11.0375	187.7122	115	24	29.880	74	73	83	rf	cu nb	e	10	0	1	e
CUSHING	193707202230	15.0	52		193707201100	11.1125	187.9665	ene	16	29.790	76	74	80	or	cu nb	ne	10	10	4	ne
ITASCA	193707202230	11.8	44		193707201100	7.6409	189.3632	e	16	29.860	84	81	84	cg	st cu	e	9	20	4	ene
LAMSON	193707202230	17.2	48		193707201100	11.2917	187.8998	e	16	30.070	75	77	82	o	cu nb	e	10	20	2	e
LEX	193707202230	17.5	54		193707201100	11.2104	187.9519	125	14	29.880	78	75	83	o	cu nb	e	10	20	1	e
CUSHING	193707202330	15.0	52	fixx	193707201200	11.2667	188.1667	ene	16	29.710	81	77	80	oq	cu nb	ne	10	10	4	ne
ITASCA	193707202330	11.3	47	fixx	193707201200	7.7833	189.5000	e	11	29.840	84	81	84	cg	st cu	e	8	20	4	ene
LAMSON	193707202330	17.2	48	fixx	193707201200	11.4833	188.1167	e	16	30.070	78	76	82	o	cu nb	e	10	20	2	e
LEX	193707202330	16.2	54	fixx	193707201200	11.3833	188.1917	090	18	29.880	78	75	83	o	cu nb	e	10	20	1	e
CUSHING	193707210030	15.0	52		193707201300	0.0000	0.0000	ene	16	29.680	83	79	80	c	cu	ne	9	10	4	ne
ITASCA	193707210030	11.3	47		193707201300	7.9122	189.6376	e	16	29.820	80	78	84	og	cu nb	e	10	20	4	ene
LAMSON	193707210030	15.0	52		193707201300	0.0000	0.0000	e	16	30.030	82	76	82	oq	cu nb	e	9	20	2	e
LEX	193707210030	16.2	54		193707201300	11.5428	188.4131	084	19	29.870	82	76	82		st cu		9	30	1	e
LEX	193707210117	16.1	44	c/c	193707201347	11.6677	188.5867		0	0.000	0	0	0				0	0	0	
ITASCA	193707210130	11.3	47		193707201400	8.0411	189.7753	e	16	29.790	82	79	84	cp	st cu	e	8	20	4	exn
LEX	193707210130	16.1	44		193707201400	11.7091	188.6281	075	19	29.860	82	76	83		st cu		10	30	1	e
LEX	193707210140	16.2	54	c/c	193707201410	11.7410	188.6600		0	0.000	0	0	0				0	0	0	
ITASCA	193707210200	11.3	47		193707201500	8.1056	189.8441	e	16	29.780	82	79	84	cp	st cu	e	7	20	4	exn
LEX	193707210230	16.2	54		193707201500	11.8739	188.8448	080	20	29.840	82	76	83		st cu		10	30	1	e
ITASCA	193707210300	11.3	47		193707201600	8.2344	189.9819	e	20	29.780	86	81	84	bc	ci cu	e	4	25	4	exn
LEX	193707210330	13.5	51	met	193707201600	12.0333	189.0667	085	19	29.840	82	77	83	c	st cu		8	30	1	e
ITASCA	193707210400	11.3	47		193707201700	8.3633	190.1196	e	20	29.790	87	81	84	bc	ci cu	e	3	25	4	exn
LEX	193707210430	13.5	51		193707201700	12.1750	189.2457	080	18	29.850	81	79	83	c	st cu		8	30	1	e
ITASCA	193707210500	11.3	47		193707201800	8.4922	190.2575	e	20	29.790	84	80	84	bc	ci cu	e	3	25	4	exn
LEX	193707210530	13.5	51		193707201800	12.3167	189.4248	089	17	29.870	81	79	83	c	st cu		8	30	1	e
ITASCA	193707210600	11.3	47		193707201900	8.6211	190.3954	exn	20	29.810	83	80	83	bc	a cu	ene	8	20	5	ene
LEX	193707210630	13.5	51		193707201900	12.4583	189.6040	084	19	29.880	81	80	82	c	st cu		8	30	1	e
ITASCA	193707210700	11.3	47	fixx	193707202000	8.7500	190.5333	exn	20	29.840	83	79	83	bc	cu	ene	2	20	5	ene

Ship	Timez	Speed	Heading	Comment	Time1	Lat	Long	Winddir	Windspd	Baro	Airtemp	Wettemp	Watertemp	Wxsymb	Cloud	Clouddir	Cloudamt	Visibility	Seacond	Swelldir
LEX	193707210730	14.2	44	fixx	193707202000	12.6000	189.7833	080	18	29.880	81	80	82	c	st cu		8	30	4	e
ITASCA	193707210800	11.0	42		193707202100	0.0000	0.0000	ene	20	29.860	82	78	83	bc	cu	ene	4	20	5	ene
LEX	193707210830	14.2	44		193707202100	12.7715	189.9511	084	19	29.890	81	80	82	c	a cu		8	20	4	e
ITASCA	193707210900	11.0	42		193707202200	0.0000	0.0000	ene	16	29.870	82	78	83	bc	cu	ene	5	20	5	ene
LEX	193707210930	14.2	44		193707202200	12.9430	190.1189	080	18	29.900	80	80	83	bc	a cu		4	20	4	e
LEX	193707210950	12.9	141	c/c	193707202220	13.0002	190.1748		0	0.000	0	0	0				0	0	0	
ITASCA	193707211000	11.0	42		193707202300	0.0000	0.0000	ene	16	29.870	82	78	83	bc	a cu	ene	2	20	5	ene
LEX	193707211020	14.2	44	c/c	193707202250	12.9161	190.2436		0	0.000	0	0	0				0	0	0	
LEX	193707211030	14.2	44		193707202300	12.9447	190.2715	080	16	29.910	80	79	83	bc	a cu		4	20	4	e
ITASCA	193707211100	11.0	42		193707202400	0.0000	0.0000	ene	16	29.860	81	77	83	bc	a cu	ene	2	20	5	ene
LEX	193707211130	14.2	44		193707202400	13.1162	190.4394	080	18	29.910	80	80	83	c	a cu		8	20	4	e
LEX	193707211230	14.2	44		193707210100	13.2877	190.6073	080	18	29.880	84	84	83	bc	ci cu	e	6	25	1	
LEX	193707211330	14.2	44		193707210300	13.4592	190.7754	087	15	29.890	84	84	83	bc	ci cu	e	4	25	1	
LEX	193707211430	14.2	44		193707210400	13.6307	190.9435	084	19	29.890	84	84	82	bc	ci cu		4	25	1	
LEX	193707211530	14.2	44		193707210500	13.8022	191.1116	065	17	29.890	79	78	82	bc	st cu		2	25	1	
LEX	193707211630	14.2	44		193707210600	13.9737	191.2799	069	17	29.900	79	79	82	bcq	st cu		4	25	1	
LEX	193707211730	14.2	44		193707210700	14.1452	191.4482	090	17	29.900	79	79	82	bcq	st cu		5	25	1	
LEX	193707211830	14.2	44	fixx	193707210800	14.3167	191.6167	084	18	29.900	80	79	81	bc	st cu	ne	4	25	2	
LEX	193707211930	15.0	56		193707210900	0.0000	0.0000	085	16	29.920	80	78	81	bc	st cu	ne	4	25	2	