

Day in the Life of the Hudson Harbor 10/22/19
Physical Systems

Day in the Life of the Hudson River and Harbor: Physical Systems														
October 22nd, 2019		(F-32)*(.556)=C		(C*(9/5)) +32 = F		KMPH/1.852= Knots		MPH*1.609= KMPH						
RM	NAME	Time 24 HR Clock		Air Temperature C	Air Temperature F	Weather Today	Weather Last 3 Days	% Cloud Cover	Wind MPH	Kilometers per hour	Wind Knots	Wind Beaufort	Wind Direction- from	Water Condition
HSC 28.7	Hoosick	10:00	14	57.2	Mostly Cloudy no rain	Rained the last three days	75		0	0	3			
MHK 53	Schoharie Creek	8:46	15	59	Overcast		100				1	South	Calm	
MHK 15	Niskayuna- Lock 7	11:16	13.066	55.5	Clear then overcast		75		0	0	1	West		
200	Schuylerville- Lock 5	13:00	11.12	52	Overcast			0.9	1.4481	0.7819				
154	Peebles Island- Cohoes HS	10:00	11	51.8	Overcast	Rained in the last 24 hours	100				2			
152	Hudson Shore Park Watervleit- North Colonie	12:04	15	59	Mostly cloudy	rain o Sunday, lots of fog, windy		9.3233	15.001	8.1	2			
146	Rensselaer Boat Launch	10:02	11.67	53.006	Overcast	mid 50s some sun	100				1	Southwest		
145.5	Corning Preserve, Albany	11:45	15.4	59.72	Overcast		100	2.9	4.6661	2.5195		South		
140	Papscanee Preserve, Rensselaer County	11:00	13	55.4	Overcast	Cloudy to overcast with rain	100	5	8.045	4.344	1	South	Calm	
138	Henry Hudson Park, Bethlehem	11:55	16	60.8				3.2	5.1488	2.7801	1	North		
133.4	Schodack Island	10:43	14.1	57.38	Overcast		75				2	West		
132.5	Hannacroix Creek Preserve	12:10	13.9	57	Mostly Cloudy no rain	.19 inches of rain over the weekend	75	2.5	4.0225	2.172	1	Southeast		
124.5	Nutten Hook	Not Recorded used averages	13.4	56.12	Overcast		100	0.7	1.1263	0.6082				
123	Coxsackie Riverfront Park	11:10	13.5	56.3	Partly cloudy	Partly cloudy cool days with some sun	25	0.22	0.354	0.1911	1	North	Calm	
117	Henry Hudson Riverfront Park, Hudson- Chatham HS + Taconic Hills HS	12:45	15.012	59	Overcast		100	10	16.09	8.6879	3		Choppy	
117	Henry Hudson Riverfront Park, Hudson- Montgomery ES	NR							0	0				
108.5	Lasher Park, Germantown	12:40	15	59	No changes over the sampling period. Grey and dreary.	Sunday and Monday rained	>75%		0	0	2	South		
100.5	Falling Waters Preserve, Saugerties	8:00	12	53.6	Overcast		100		0	0			Calm	
98	Tivoli South Bay	12:15	13.3	55.94	Overcast, rained .68 inches	Rain and cold	100				1	North		

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97	Ulster Landing Park- Mill Road ES	12:00	12.788	55									
97	Ulster Landing Park- Kingston HS	10:44	10.008	50									
92	Kingston Point Park- Robert Graves ES	11:45	11.12	52	Overcast	Rained Saturday	100	0.5	0.8045	0.4344	1	South	
92	Kingston Point Park- Kingston YMCA	15:40			Overcast	Rained on Sunday	100				1	South	
90.5	George Freer Memorial Park, Port Ewen	11:18	16.7	62.06	Overcast	No rain	80	0.2	0.3218	0.1738		East	Calm
87	Esopus Meadow, Ulster Park	11:20	15	59	Mostly Cloudy		75			0	1	South	
84.5	Norrie Point, Staatsburg-Millbrook HS	14:15	14	57.2	Overcast No rain	Rained Monday	100	2.5	4.0225	2.172	1	South	
84.5	Norrie Point, Staatsburg-Poughkeepsie HS	10:45	13.9	57	Overcast no rain	Rained Monday	100	2	3.218	1.7376	1	West	
78	Quiet Cove Park, Poughkeepsie	12:11	13.344	56	Mostly Cloudy		75				2	South	
65	Chelsea Boat Launch	10:00	15	59	Overcast		100			0	2	North	
61.2	Seeger Riverfront Park, Beacon	12:10	14.4	57.92	Overcast		75	2.3021	3.704	2		Northeast	Choppy
61	Long Dock, Beacon	11:54	15	59				20	32.18	17.376		GUST of wind	
60.5	Newburgh Waterfront- People's Waterfront and Boat Launch	12:30	16	60.8				3	4.827	2.6064			
60.1	Beacon Dock (Clearwater)	14:23	12	53.6	Overcast	Rain and cold temperatures, then sunny and 64 F	100	18	28.962	15.638	1	Gust of wind	Calm
60	Dennings Point, Beacon	10:30									1		
58.1	Plum Point, New Windsor	11:30	14	57.2	Overcast	Rain on Sunday	100	3.6	5.7924	3.1276	2		Choppy
57	Cornwall Landing	12:08	14.4	57.92	Overcast	Rain on Sunday	100	3.5	5.6315	3.0408	1	South	
52	South Dock, West Point	14:40	15.1	59.18			75	0.0008	0.0013	0.0007	1		
51.5	Garrison Landing	11:03			Overcast	Rainy	100	2.3021	3.704	2	1	South	Calm
43.5	Riverfront Green, Peekskill	9:00	10	50	Overcast		100				1		
41	Steamboat Dock, Verplanck	11:11	11.676	53	Mostly cloudy		75				1		
38	Haverstraw Bay County Park	11:27	13	55.4	Overcast	Rain on Sunday	100	3.1078	5.0004	2.7		Northeast	Choppy
35	Croton Point Park, Croton-Croton Harmon High School	NR											
35	Croton Point Park, Croton (Mother's Lap)- Fox Meadow ES	11:54	14	57.2	Mostly cloudy, stratus clouds			3.2	5.1488	2.7801	3	South	
32.5	Louis Engel Park, Ossining	10:42	12.8	55.04	Overcast with little drizzle	Heavy rain on Sunday	100	1	1.609	0.8688	1	Northeast	Calm

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30.4	Upper Nyack State Park, Lower Beach	13:30	15.012	59	Overcast		100	10	16.09	8.6879	3	East	Calm
28.5	Kingsland Point Park, Tarrytown	10:17	5	41	Mostly Cloudy with drizzle	Rain and wind	75					South	Calm
28	Memorial Park, Nyack- Nyack ES	12:17	16.68	62									
28	Memorial Park, Nyack- Nyack HS	NR											
25.4	Piermont Pier, Piermont	12:15	14.1	57.38	Fog and mist		100	5.8702	9.4452	5.1	2		
25	Matthiessen Park, Irvington	10:45	12	53.6	Overcast with light rain	Rained Sunday	100				2	Southeast	
23	Riverfront Park, Dobbs Ferry	NR											
22	MachEachron Waterfront Park- Kinally Cove, Hastings	13:30	15.4	59.72	Overcast		100	3.1078	5.0004	2.7			
19	Alpine Boat Basin, Alpine NJ Alpine School	9:55	error (4 C)		Overcast heavy drizzle		100				5	NE	Clam
19	Alpine Boat Basin, Englewood NJ-Pascack Hills HS	10:20	13.2	55.76	Overcast with mist		>75%	5	8.045	4.344	2	Northeast	Calm
18.3	Sarah Lawrence College CURB: Beczak, Yonkers	10:53	14	57.2	Overcast with rain		100				1	East	
13	Englewood Boat Basin, Englewood NJ- Paterson MS	10:05	11	51.8	Overcast with about inch of rain		100	5.5	8.8495	4.7783	2	East	Choppy
12.75	Inwood Hill Park, Manhattan	11:02	16	60.8	Overcast with drizzle	Cool, dry, a little rain	100						
11.5	Fort Washington Park, Manhattan	11:20	13.5	56.3	Overcast with drizzle	Rained on Sunday	100	3.11	5.004	2.7019	1.5	West	
10	125th Street Pier, Manhattan- Columbia Secondary School (Diana Lennon)	13:30	17	62.6	Overcast, misty, drizzle	Rained on Sunday	100	6	9.654	5.2127		North	
10	125th Street Pier, Manhattan- HS of Language and Innovation (Baylander)	10:46	18	64.4	Drizzle			4.9	7.8841	4.2571	2	Northwest	Calm
6.8	Pier I, 59th Street, Manhattan	12:00	15.346	59.6	Overcast no rain but misting		58	0.6	0.9654	0.5213			Calm
6.1	Pier 96, Manhattan	NR		32									
5.6	Hudson River Park Pier 84	13:00	15.012	59	Overcast, light rain, fog, mist	wind and rain	100						Calm
4.4	Pier 62 Chelsea, Manhattan	11:00		32				1.2					

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3.2	Hudson River Park Pier 45- NYC Lab HS (Price)	13:00	17	62.6	overcast	Rained last 2 days	100	1.8			2	SW	Choppy
3.2	Hudson River Park Pier 45- Morton MS(Shino)	NR	NR										
2.9	Hudson River Park Pier 40	11:36	15	59	Overcast light mist	Clouds and rain	100				1	Northeast	Choppy
0.5	Morris Canal Basin, New Jersey	NR	NR										
HRM 1	Randall's & Ward's Island	11:20	13	55.4	Overcast with rain	Rainy, warm one day	100	0.6	0.9654	0.5213	1		Calm
ER 15.2	Little Bay, Fort Totten Park	11:03	14.3	57.74	Drizzle	Rain past Sunday	100		0	0	1.5		
ER 13.7	Francis Lewis Park	12:06	16	60.8									
ER 5.7	Pier 1 Gantry State Park, Long Island City	10:00	15.012	59	Overcast		99	2.16	3.4754	1.8766	1	Northeast	
ER 5.6	Pier 4 Gantry State Park, Long Island City	NR	NR										
ER 1.7	Brooklyn Bridge Park East, Brooklyn (Brooklyn Friends)	10:00	16.7	62.06	Partly cloudy with cool breeze		50						Calm
ER 1.7	Brooklyn Bridge Park East, Brooklyn (Sunset Park HS)	12:00	NR					3.88	6.2429	3.3709			
ER 1.7	Brooklyn Bridge Park East, Brooklyn (BBPC + MS915)	12:06	16.68	62	Overcast with light rain		100				2		Calm
ER 2.3	Brooklyn Bridge West, Manhattan (Waterfront Alliance)	10:30	15	59	Overcast with drizzle	Windy cloudy rain at night a little sun during the day	100						Choppy
ER 2.3	Brooklyn Bridge West, Manhattan (LESEC)	12:15	15	59	Overcast with rain		100	6.2	9.9758	5.3865	2	North	Choppy
ER 2.3	Brooklyn Bridge West, Manhattan (Leman Manhattan Prep- Livingston)	10:00	13.9	57.02							4		
Brx 4.5	Concrete Plant Park, Bronx- Pelham Prep (Zach)	12:00	15	59									
Brx 4.5	Concrete Plant Park, Bronx- Bronx Center for Science and Math (Pat)	11:00	15	59	Overcaste with light drizzle	Chilly and Very windy	75	9	14.481	7.8191		W	
Brx 4.0	Hunt's Point Riverside Park, Bronx	NR	NR										
-1	Governor's Island Harbor	11:00	15	59	Overcast, Stratus Clouds, damp, mild, breezy		100	4	6.436	3.4752	2		
-2.3	Valentino Pier, Brooklyn	11:00	10.008	50							1		
-4.1	Austen House, Staten Island	12:55	15.5	59.9	Light Mist overcast	Rain on Sunday	75		0	0			Calm

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-4.5	Pier 1 Lighthouse Museum, Staten Island	12:14	14	57.2	Overcast	Rainy, cloudy, chilly	100	4.6	7.4014	3.9964	2	Northeast	
-5.3	Canarsie Pier-Pathways to Graduation (Vattamala)	10:30	17	62.6	Overcast Misty		100				4		Choppy
-5.3	Canarsie Pier- Internaitonal HS of Lafayette	12:10	15	59	Overcast		100	11	17.699	9.5567		East	
-7	Fort Wadsworth, Staten Island	11:55	15	59	Overcast and rained after they left		100	8.0572	12.964	7	3		Choppy
-8	Gerritsen Creek, Brooklyn	12:11	15	59									
-8.6	Kaiser Park, Brooklyn	NR		32									
-9.1	Steeplechase Pier, Coney Island Pier	11:46	15.5	59.9	Overcast with light drizzle	Rain on Sunday	100	11.4	18.343	9.9042		East	Choppy
-11.2	Great Kills Park, Staten Island	11:51	17.8	64.04	Overcast with a 5 minute sprinkle		100	13.424	21.6	11.663	2	East	