

**A Day in the Life of the Hudson
Chemistry 10/8/09**

RM Site Time	RM for graphing	DO avg for graphing	DO ppm	Water Temp °C	% Saturation	Comments	pH avg for graphing	pH	Nitrate ppm	Phosphates ppm	Alkalinity mg/L
RM 182											
11:00	182						5.50	5.5	0		80
RM 153											
10:15 AM	153	11.50	12	14	115		6.25	6.5			
10:45 AM								6.83			
11:00 AM			11	13	105			6.67			
11:15 AM								5			
Rm 144											
8:30-10:30 AM	144	8.60	8.6	13.4	82		7.49	7.49	3.86	0.31	69.5
RM 138											
10:30 AM	138	9.20	9.2	15.5	90		7.20	7.2			
RM 133											
10:30 AM	133	9.15	9.1	15.27	90		7.67	7.5			
11:30 AM			9.1	15	91			7.5			
12:30 PM			9.3	15.27	91			8			
RM 127											
3:45 PM	127	9.50	9.5	18	100		7.80	7.8	0.29	0.08	98
RM 115											
10:00 AM	115	10.50	11	15	100		7.83	8			
10:45 AM			9	16				8			
11:30 AM			10	16				7.5			
Rm 102											
10:30 AM	103	9.33	10	15	100		7.77	7.77		1	60
10:45 AM			8	15	80						
12:30 PM			10	18	101						190
RM 96.5											
10:30 AM	96.5	8.80	8.6	16	85	meter	7.585	7.17			
			9	16		Hach RD 890 Colorimtr		8	0.17	2.75	122.7
Rm 92											
1:30 PM	92	9.00	9	15.5	89					0.1	
RM 87											
10:30 AM	87	8.00	8	15	78	drop count	7.50	7.5			

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RM53													
11:30 AM	53	8.00	8	20	70%	drop count	6.75	6.75	0	0	40		
RM 41													
11:30 AM	41	8.75	8	18	85%	drop count	8.00	8					
12:00 PM			9	20	97			7.5					
12:30 PM			9	20	97%			8.5					
RM 35													
11:00 AM	35	10.00	10				7.50	7.5					
RM 32													
11:00 AM	32	9.30	9	21	100	drop count	7.60	7.6					
12:30 PM			11	18.5	120								
1:00 AM			9	26.6	110								
RM 31.1 NM													
10:30 AM	31.1	8.00	8	20	90	drop count	8.51	8.51					
RM 31													
11:15 AM	31	5.00	5	18	50	drop count	7.60	7.6	5	1			
RM 30.5													
10:30 AM	30.5	5.00	5	18	50	drop count	6.50	6.5					
RM 28													
9:30 AM	28	7.40	7.4	15.6	74		7.40	7.4					
RM 25E													
10:00 AM	25	10.00	11				6.50						
11:00 AM			11					6.5	<5	<1			
11:40 AM			8										
RM 25 W													
<i>Surface Samples</i>													
9:30 AM	25.1	6.80	22	18			7.25	7	0.88	0.2	82		
10:30 AM			9	16	90			7.5	0	0.54	105		
11:30 AM			5	16	50			7	0	0.4	90		
12:30 PM			4	16	40			7.25	0	0.44	100		
1:15 PM			9	16	90			7.5	0	0.1	75		
<i>Bottom Samples</i>													
9:30 AM		9.00	8	17	80			8.2	0	0	86		
10:30 AM			9	17	92			8.4	0	0	90		
11:30 AM			9	17	95			7.5	0	0.38	62		
12:30 PM			8	18.5	85			7	0	0.1	100		
1:15 PM			11	18.5	115			7.5	0	0.25	95		
RM 18.5													
9:30 AM	18.5	11.30	10	15	98		6.85	5	<5				

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10:15 AM			12	16	120			7		
11:45 AM			12	16	120			8	1	
RM 18.5 Boat										
11:00 AM	18.5	9.00	9.00	18.5	95		7.50	7.5		
11:15 AM			8.00	20	85			7.4		
11:30 AM			9.00	20	95			7		
12:00 PM			9.00	23	95			7		
2:50 PM			9.50	25	110			7.9		
RM 18										
9:45 AM	18	7.75	8.5	17	65	chemette	10.43	7.8		
10:23 AM			7	17	70%			8		
10:55 AM			7	16.5	70			7.75		
11:30 AM			8.5	16	65			7.75		
Harlem 14										
11:30 AM	14	8.46	8.46	18.4	84.7		7.70	7.7		
Rm 13										
11:20 AM	13	7.00	7	17.5	70		7.80	7.8		
Harlem 13 SC										
10:00 AM	13a	4.00	4	18	40		7.00	7.00	1	1.5
11:00 AM			4	18	40			7.00	1	1.5
12:00 PM			4	18.5	42			7.00	1	2
2:00 PM			4	19	43			7	1	1.2
5:20 PM			6	17	63					
RM 11.5										
11:30 AM	11.5			13			7.25	8	1	
2:00 PM		6.00	6	14	49			6.5	5	
Harlem 10										
10:30 AM	10	4.60	4.2	15.2	35					
10:50 AM			4.8	18.2	40.3					
11:30 AM			4.9	18.3	40.6					
RM 5.5										
9:00 AM	5.5	5.00	4	14	40		7.00	7	0	1
11:00 AM			6	15.5	60			7	0	1
RM 4.1 Intrepid										
11:15 AM	4.1	4.00	4	25	47		7.50	7.9	5	1
12:00 PM			4	24	48			7	5	1.5
RM 2.5 CS_NYCSWCD										
	2.7	6.50	7	18	70		7.10	7.1		
11:20 AM			6	18	63			6.8		
1:40 PM								7.4		

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<i>RM 2.5 CS Wallerstein</i>										
11:00 AM	2.5	7.00	7	12.77	64		6.50	6.5		
1:30 PM			7	12.77	64			6.5		
<i>RM 2 RP</i>										
10:30-11:20 AM	2	6.80	6.8	16	68		6.75	6.75		
<i>RM 2 HS</i>										
12:00 PM	2	6.00	6	18	60		7.20	7.2		
<i>RM BR 8 HP</i>										
11:00 AM	8	5.90	5.9	18	55		7.80	7.56, 8.2, 7.7		
<i>East RM 8 BP</i>										
10:00-12:00 PM	8	8.00		20			6.25	6.5, 6.5, 6		
<i>East RM 4.5 GP</i>										
10:30 AM	4.5	5.50	5.5	16	52	chemettes	6.25	6, 6.5		
<i>East RM4 SO</i>										
9:30-10:30 AM	4	6.00	4, 8, 6	18.8	65		7.25	8, 6.5, 7.25	2	
<i>East RM1W</i>										
10:50 AM	1	6.00	4				7.05	6.3	0.35	2
11:50 AM			8	18	40		7.80	7.8		
<i>East RM 0.75 LGH</i>										
11:10 AM	0.75	6.00	6	17	63	ampules	8.00	8		
<i>East RM 0.5 SS</i>										
11:00 AM	0.5	6.00	6	18	60	ampule	7.50	7.5		
<i>RM -6.5 CP</i>										
11:00 AM	-6.5						7.67	7.67		
<i>RM -9 BB</i>										
12:58 PM	-9	8.33	8.33			Drop Count	9.80	9.8		
<i>RM -11 BP</i>										
12:32 PM	-11	4.00	4	17	40	LaMotte	7.00	7		