

0209173200 SANDY RUN NEAR LIZZIE, NC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1999 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1999 to current year.

WATER TEMPERATURE: April 1999 to current year.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from April 1999 to current year.

REMARKS.--Station operated in cooperation with the U.S. Environmental Protection Agency and the North Carolina Department of Environment and Natural Resources as part of a long-term project to develop a multimedia integrated modeling system (MIMS). The water-quality monitor was inundated by floodwaters from Hurricane Floyd on September 16, 1999.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	216, December 3, 2000	29, September 15, 1999
WATER TEMPERATURE, °C	28.3, July 10, 11, 1999, August 11, 2001	0.1, January 28, 29, 2000

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	216, December 3	61, June 15
WATER TEMPERATURE, °C	28.3, August 11	0.5, December 24

0209173200 SANDY RUN NEAR LIZZIE, NC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT													
25...	1245	--	1.7	160	6.4	15.1	765	1.4	13	43	12.0	3.20	8.4
NOV													
14...	1300	--	1.3	187	6.2	12.6	--	1.6	--	53	15.0	3.70	8.8
DEC													
12...	1000	--	2.0	167	6.4	8.8	767	7.3	62	40	11.0	3.10	7.8
JAN													
17...	1415	--	1.4	163	6.5	8.8	773	6.7	57	46	13.0	3.20	8.1
FEB													
06...	1315	--	2.0	172	6.7	7.0	771	11.4	93	42	12.0	3.00	9.4
28...	1015	--	10	142	6.5	11.6	768	6.8	62	36	10.0	2.70	7.7
APR													
04...	1745	--	45	117	6.5	13.8	773	11.0	105	30	8.30	2.30	6.5
MAY													
07...	1615	--	.31	142	6.3	19.2	766	2.6	28	46	13.0	3.20	8.1
JUN													
12...	1230	--	1.7	160	6.4	23.9	764	.1	1	42	12.0	2.90	6.5
JUL													
11...	1115	E2.5	--	138	6.1	24.7	760	.1	1	42	12.0	2.80	6.4
AUG													
15...	1245	--	29	109	5.8	25.1	767	3.1	37	32	9.50	2.00	5.4
SEP													
26...	1050	E.60	--	127	5.8	19.1	770	2.2	24	40	12.0	2.50	6.8

DATE	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT													
25...	24	.6	12.0	2.9	23.0	.2	1.7	125	88	--	<.010	.040	.060
NOV													
14...	21	.5	14.0	2.4	25.0	.2	3.7	138	103	--	<.010	.040	.188
DEC													
12...	24	.5	10.0	9.1	24.0	.1	6.4	107	88	--	<.010	.320	.090
JAN													
17...	24	.5	8.30	7.7	24.0	.1	1.4	121	84	--	<.010	.120	<.010
FEB													
06...	27	.6	11.0	5.7	26.0	.1	1.3	133	92	.260	.020	.280	.873
28...	27	.6	7.70	7.6	20.0	.1	1.4	107	74	.560	.030	.590	.190
APR													
04...	27	.5	6.00	7.6	16.0	.1	1.3	91	60	--	<.010	.500	.016
MAY													
07...	25	.5	5.20	2.3	17.0	.2	.6	110	73	--	<.010	<.020	.028
JUN													
12...	23	.4	3.80	2.7	12.0	.2	3.3	101	67	--	<.010	.070	.084
JUL													
11...	24	.4	2.70	2.2	13.0	.2	2.7	93	64	--	<.010	.040	.058
AUG													
15...	23	.4	5.20	5.9	12.0	.2	4.4	100	60	--	<.010	.100	.030
SEP													
26...	25	.5	3.40	3.7	14.0	.2	4.8	84	69	--	<.010	<.020	.130

NEUSE RIVER BASIN

0209173200 SANDY RUN NEAR LIZZIE, NC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)
OCT 25...	1.0	.92	1.1	.98	1.1	1.0	.370	.240	.230	1900	91.0	-21.81	-3.80
NOV 14...	1.2	1.0	1.4	1.2	1.4	1.2	.660	.390	.400	3700	400	-18.48	-3.38
DEC 12...	.69	.71	.78	.80	1.1	1.1	.160	.100	.120	920	49.0	-27.69	-4.85
JAN 17...	--	--	.72	.55	.84	.67	.200	.060	.040	830	150	-24.52	-4.42
FEB 06...	1.1	.93	2.0	1.8	2.3	2.1	.230	.120	.130	1600	71.0	-21.14	-4.04
28...	.78	.72	.97	.91	1.6	1.5	.210	.120	.110	1100	54.0	-21.94	-4.13
APR 04...	.84	.77	.86	.79	1.4	1.3	.140	.090	.100	680	13.0	--	--
MAY 07...	1.1	.70	1.1	.73	--	--	.320	.150	.120	940	99.0	--	--
JUN 12...	1.1	.92	1.2	1.0	1.3	1.1	.380	.220	.240	1300	87.0	--	--
JUL 11...	.94	.85	1.0	.91	1.0	.95	.340	.140	.130	720	120	--	--
AUG 15...	1.3	1.1	1.3	1.1	1.4	1.2	.400	.210	.180	1410	32.0	--	--
SEP 26...	1.2	.67	1.3	.80	--	--	.490	.130	.120	1210	291	--	--

CARBON,
ORGANIC
DIS-
SOLVED
(MG/L
AS C)
(00681)

DATE	(MG/L AS C) (00681)
OCT 25...	17
NOV 14...	18
DEC 12...	12
JAN 17...	9.3
FEB 06...	13
28...	12
APR 04...	13
MAY 07...	18
JUN 12...	17
JUL 11...	16
AUG 15...	16
SEP 26...	13

0209173200 SANDY RUN NEAR LIZZIE, NC--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	118	104	115	169	168	169	170	168	169	174	172	173
2	123	117	120	169	168	169	173	170	172	175	171	173
3	128	122	124	169	168	169	216	163	178	174	171	173
4	134	127	131	169	168	168	165	162	163	179	174	177
5	141	114	132	170	168	169	166	161	163	181	177	179
6	148	140	144	171	168	169	162	160	161	181	172	178
7	154	147	151	170	169	169	161	160	161	173	170	172
8	163	149	158	175	170	172	163	160	161	171	167	169
9	167	162	165	179	173	176	163	161	162	167	164	166
10	168	166	167	186	178	182	167	112	151	165	162	164
11	169	167	168	190	180	187	163	157	162	163	161	162
12	168	166	167	190	183	188	171	161	166	162	161	162
13	167	154	165	190	185	187	170	165	169	163	161	162
14	166	135	159	189	187	188	172	164	169	---	---	---
15	161	130	146	195	189	193	176	171	172	---	---	---
16	161	130	146	194	191	192	171	164	170	164	162	163
17	161	128	151	191	188	189	177	170	174	165	162	163
18	162	128	149	188	187	188	176	170	174	166	163	164
19	162	160	161	188	184	187	170	166	167	166	164	165
20	161	160	161	208	182	188	166	164	165	169	165	166
21	161	160	161	212	203	209	166	163	164	169	161	164
22	161	160	160	203	195	198	167	164	165	161	158	160
23	161	160	160	195	185	188	---	---	---	163	159	161
24	161	157	161	185	182	184	165	162	163	165	163	164
25	163	161	162	183	173	178	166	162	164	168	164	166
26	163	161	162	185	174	181	171	165	169	170	166	168
27	164	162	163	183	181	182	172	169	170	170	135	167
28	168	164	166	184	177	181	172	170	171	172	165	169
29	171	167	169	177	168	172	173	170	172	170	141	167
30	170	168	169	170	167	169	173	171	172	170	167	169
31	170	168	169	---	---	---	173	171	172	173	169	171
MONTH	171	104	154	212	167	181	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	176	145	171	147	140	143	123	117	121	157	148	151
2	173	145	170	150	138	144	124	114	119	152	149	150
3	174	161	171	145	136	141	120	113	116	156	151	152
4	174	168	171	142	134	139	125	116	119	160	152	156
5	170	163	167	140	131	135	125	116	121	162	153	158
6	176	169	172	---	---	---	122	96	120	161	153	158
7	178	174	176	---	---	---	---	---	---	159	144	150
8	181	175	178	136	97	129	---	---	---	148	145	147
9	181	174	176	137	111	134	---	---	---	147	142	144
10	183	175	178	139	134	136	---	---	---	146	139	144
11	181	166	172	140	134	136	---	---	---	146	141	144
12	171	161	166	140	135	138	---	---	---	146	142	144
13	166	161	163	146	137	141	150	127	141	150	145	147
14	166	160	163	161	130	148	151	117	145	150	142	146
15	178	166	169	154	119	143	153	147	149	147	142	144
16	187	175	181	144	141	143	154	147	150	146	140	143
17	187	150	168	144	140	142	157	113	132	144	138	141
18	157	152	153	144	140	142	147	126	139	143	135	140
19	155	148	152	144	139	141	149	128	140	146	109	137
20	149	145	147	141	128	140	153	122	140	147	140	143
21	148	145	147	138	106	117	164	124	147	150	110	142
22	149	139	145	107	100	102	167	123	147	155	121	147
23	152	144	147	112	102	107	172	127	158	158	151	155
24	154	147	151	119	96	113	175	133	169	161	151	156
25	147	143	145	124	115	119	187	156	174	165	150	156
26	147	144	145	128	120	123	159	138	147	157	150	154
27	146	144	145	127	123	125	157	132	150	186	134	154
28	146	139	143	126	99	124	156	139	147	206	134	166
29	---	---	---	127	99	125	161	154	157	137	108	117
30	---	---	---	127	106	124	159	149	153	109	102	106
31	---	---	---	131	100	126	---	---	---	103	101	102
MONTH	187	139	162	---	---	---	---	---	---	206	101	145

NEUSE RIVER BASIN

0209173200 SANDY RUN NEAR LIZZIE, NC--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	108	96	105	---	---	---	123	108	111	148	137	144
2	101	92	98	---	---	---	110	107	109	148	108	115
3	97	90	93	---	---	---	111	108	110	117	110	115
4	97	92	94	---	---	---	113	105	112	121	115	119
5	104	97	99	---	---	---	114	111	113	121	118	120
6	109	101	105	---	---	---	115	105	114	119	117	118
7	124	108	112	---	---	---	116	104	114	124	118	121
8	142	112	123	---	---	---	118	109	117	124	119	121
9	147	110	124	---	---	---	119	116	118	126	120	123
10	156	123	144	---	---	---	119	118	118	127	120	124
11	152	144	148	---	---	---	125	119	120	129	122	126
12	174	145	160	139	132	136	124	93	101	135	119	124
13	192	171	183	136	129	133	105	96	101	130	120	123
14	200	101	178	130	128	130	109	98	103	130	122	125
15	104	61	83	130	129	130	114	107	109	127	120	122
16	91	79	86	131	129	130	125	113	120	122	117	119
17	91	81	88	130	128	129	134	125	129	119	116	117
18	95	90	92	131	129	130	141	134	138	116	115	116
19	107	94	98	133	130	132	140	131	134	116	114	115
20	127	99	106	134	130	133	142	132	138	118	114	116
21	---	---	---	136	129	134	132	125	127	118	116	117
22	---	---	---	137	132	134	138	128	130	122	117	119
23	---	---	---	135	124	133	136	127	131	124	118	121
24	---	---	---	136	132	134	139	129	133	131	117	122
25	---	---	---	137	122	134	137	129	134	131	121	126
26	---	---	---	139	134	136	147	130	134	136	119	126
27	---	---	---	138	123	131	138	132	135	127	125	126
28	---	---	---	125	123	124	148	135	142	127	125	126
29	---	---	---	126	122	125	151	139	147	126	122	124
30	---	---	---	129	116	120	151	135	144	123	121	122
31	---	---	---	127	117	122	147	130	141	---	---	---
MONTH	---	---	---	---	---	---	151	93	123	148	108	122

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	19.0	18.2	18.6	12.7	11.6	12.0	8.5	5.9	7.1	3.4	2.7	3.1
2	20.4	18.1	19.1	11.9	11.1	11.4	7.5	6.2	6.5	3.5	2.6	3.1
3	20.7	18.0	19.3	11.5	11.0	11.2	6.2	1.4	4.0	3.8	3.3	3.7
4	21.5	19.2	20.2	11.5	11.1	11.4	3.5	.9	2.0	4.0	3.7	3.9
5	22.0	19.8	20.7	12.3	11.5	11.9	3.8	.9	2.3	4.1	3.1	3.8
6	22.9	20.9	21.7	12.4	11.9	12.1	3.5	1.4	2.6	3.9	3.1	3.6
7	22.8	20.6	21.7	12.2	12.0	12.1	5.1	2.3	3.6	4.4	3.4	3.8
8	20.6	15.4	17.8	12.6	12.2	12.5	6.3	3.0	4.6	4.8	4.0	4.4
9	15.4	13.4	14.2	13.0	12.6	12.8	6.4	3.9	5.2	5.1	4.3	4.7
10	14.0	11.8	12.5	13.7	13.0	13.3	6.2	5.2	5.7	4.6	3.7	4.1
11	13.2	11.7	12.2	14.4	13.6	14.0	7.3	5.8	6.4	4.8	3.7	4.2
12	12.7	12.0	12.3	14.1	13.1	13.4	11.0	7.3	9.0	7.0	4.8	5.5
13	12.9	12.4	12.7	13.2	12.1	12.5	8.5	5.7	6.8	7.3	6.3	6.9
14	13.3	12.9	13.1	12.7	12.3	12.5	9.4	7.3	8.2	---	---	---
15	13.7	13.3	13.6	12.4	10.6	11.1	9.7	8.2	9.0	---	---	---
16	14.3	13.7	14.1	10.8	9.6	9.9	9.1	7.9	8.4	8.2	7.4	7.8
17	14.8	14.3	14.6	9.9	9.7	9.7	12.3	9.1	10.6	8.7	8.2	8.5
18	15.4	14.8	15.1	9.8	9.0	9.2	9.7	6.5	7.7	9.0	8.5	8.8
19	15.9	15.4	15.7	9.3	8.3	9.0	7.5	5.1	6.3	9.3	9.0	9.2
20	16.0	15.6	15.7	8.6	7.2	7.8	7.0	4.1	5.1	11.2	9.3	9.5
21	15.7	15.0	15.2	8.0	5.8	6.9	4.5	1.9	3.3	11.0	6.9	8.3
22	15.3	15.1	15.2	5.8	3.5	4.7	5.8	3.7	4.5	7.3	4.5	5.9
23	15.6	15.3	15.5	5.6	3.9	4.7	---	---	---	6.5	4.3	5.4
24	15.7	15.1	15.3	6.4	4.5	5.3	3.0	.5	1.8	5.7	4.3	4.8
25	15.3	15.0	15.1	9.7	5.9	7.1	2.3	.8	1.6	6.8	5.1	6.0
26	15.3	14.9	15.1	10.8	9.7	10.4	1.9	.8	1.4	5.7	4.0	4.7
27	16.1	15.1	15.6	11.8	9.2	10.4	3.2	1.6	2.3	6.6	3.8	5.0
28	16.2	16.0	16.1	11.1	8.4	9.8	3.6	2.9	3.2	6.6	4.3	5.1
29	16.3	15.4	15.8	10.4	7.9	9.2	3.3	1.3	2.4	5.5	4.7	5.1
30	15.4	13.5	14.1	10.2	8.4	9.3	3.2	2.5	2.9	5.9	5.3	5.6
31	13.8	12.3	12.8	---	---	---	3.3	2.6	3.1	6.8	5.9	6.4
MONTH	22.9	11.7	15.8	14.4	3.5	10.3	---	---	---	---	---	---

NEUSE RIVER BASIN

0209173200 SANDY RUN NEAR LIZZIE, NC--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	8.3	6.8	7.5	12.4	8.6	10.0	16.7	11.9	14.3	16.5	16.0	16.2
2	8.8	8.3	8.6	12.3	9.4	10.2	16.2	9.5	12.5	17.3	16.5	16.9
3	8.6	6.4	7.1	12.2	11.3	11.6	13.3	12.1	12.7	17.7	17.2	17.4
4	6.8	5.8	6.3	11.3	10.2	10.8	13.7	10.8	12.1	18.2	17.6	17.9
5	9.1	6.3	7.1	11.4	8.7	10.6	17.3	9.8	13.2	19.0	18.1	18.5
6	8.9	5.9	7.3	---	---	---	19.3	12.3	15.5	19.5	18.8	19.1
7	8.5	6.1	7.0	---	---	---	---	---	---	19.9	19.2	19.4
8	8.8	7.1	7.7	11.7	5.5	8.3	---	---	---	19.3	19.2	19.2
9	9.1	7.5	8.5	13.0	7.9	9.9	---	---	---	19.5	19.2	19.3
10	9.1	8.9	9.0	11.6	7.1	9.0	---	---	---	19.6	19.2	19.3
11	10.1	9.1	9.6	10.9	6.8	8.0	---	---	---	19.7	19.2	19.5
12	9.8	7.3	7.8	11.1	9.2	9.8	---	---	---	20.1	19.6	19.8
13	7.5	6.8	7.1	10.6	9.8	10.1	21.7	20.6	21.2	20.8	20.0	20.4
14	9.2	7.5	8.7	13.1	10.6	12.2	21.8	19.8	20.3	21.1	20.7	20.9
15	9.4	9.0	9.2	13.6	12.4	13.2	20.3	19.2	19.5	21.0	20.6	20.7
16	10.4	9.4	9.9	15.0	12.1	12.8	19.6	18.1	18.5	20.6	20.1	20.3
17	15.4	10.4	12.6	15.0	12.0	12.7	18.4	13.8	16.6	20.1	19.3	19.8
18	11.5	7.9	9.5	15.0	11.8	12.8	13.8	10.5	11.3	19.3	18.7	18.9
19	9.7	5.4	7.4	12.6	9.1	10.2	11.5	9.8	10.4	19.1	18.8	19.0
20	11.7	6.0	8.0	11.7	9.4	10.1	11.4	10.5	10.9	19.9	19.1	19.5
21	12.3	10.1	10.8	13.4	9.9	11.8	12.0	11.4	11.7	20.4	19.8	20.1
22	11.8	5.7	8.0	15.2	11.4	13.1	13.0	12.0	12.4	20.9	20.2	20.6
23	9.6	4.7	6.7	16.5	11.0	13.6	13.8	12.9	13.4	21.3	20.7	21.0
24	11.3	5.7	8.3	17.6	11.4	14.4	14.4	13.8	14.1	22.1	21.2	21.7
25	12.6	8.2	10.2	14.9	11.2	13.2	16.1	14.4	14.9	22.5	21.9	22.3
26	16.3	11.8	13.6	13.8	9.7	11.2	16.1	13.8	14.5	22.7	22.4	22.5
27	14.9	10.2	12.5	13.4	7.5	10.2	14.5	14.2	14.3	22.6	21.1	21.6
28	13.0	10.1	11.6	14.0	7.1	10.4	14.9	14.5	14.6	21.6	21.0	21.1
29	---	---	---	13.1	9.8	11.2	15.3	14.8	15.0	21.8	20.1	20.8
30	---	---	---	18.7	13.1	15.5	16.0	15.3	15.7	23.7	19.1	20.6
31	---	---	---	19.2	14.3	16.5	---	---	---	23.1	20.6	21.3
MONTH	16.3	4.7	8.8	---	---	---	---	---	---	23.7	16.0	19.9
	JUNE			JULY			AUGUST			SEPTEMBER		
1	22.7	21.2	21.5	---	---	---	23.5	21.6	22.3	23.9	23.7	23.8
2	24.6	21.1	22.6	---	---	---	23.2	21.9	22.4	24.1	23.1	23.6
3	26.1	21.4	23.7	---	---	---	23.0	22.4	22.7	24.0	22.6	23.0
4	26.2	22.2	24.1	---	---	---	23.8	23.0	23.4	23.4	22.8	23.0
5	25.4	23.8	24.3	---	---	---	24.5	23.8	24.1	23.6	22.6	23.0
6	26.5	24.5	25.1	---	---	---	25.1	24.5	24.8	23.8	22.3	22.8
7	25.3	24.7	25.0	---	---	---	25.9	25.0	25.5	23.2	21.1	21.7
8	25.1	24.7	24.9	---	---	---	26.5	25.9	26.2	21.9	21.2	21.5
9	24.8	23.7	24.0	---	---	---	27.1	26.5	26.7	22.1	21.5	21.8
10	23.7	23.2	23.4	---	---	---	27.7	27.0	27.3	22.2	22.0	22.1
11	23.2	23.1	23.2	---	---	---	28.3	27.6	27.8	22.9	22.2	22.5
12	23.2	23.1	23.2	25.6	25.1	25.4	28.2	24.0	25.1	22.9	21.3	22.0
13	23.2	23.1	23.2	25.7	23.4	24.9	26.7	24.7	25.8	21.8	20.9	21.3
14	24.6	23.1	23.4	23.4	21.2	21.9	26.1	24.4	25.1	21.3	20.7	21.0
15	23.8	22.6	23.2	22.8	21.9	22.4	26.5	23.9	25.2	21.2	19.8	20.3
16	25.5	22.8	24.0	23.5	22.8	23.2	26.6	24.0	25.3	20.2	18.5	19.2
17	25.2	23.7	24.4	24.2	23.5	23.8	26.8	23.9	25.3	19.0	18.4	18.7
18	26.3	23.4	24.8	24.6	24.2	24.4	26.2	24.8	25.6	18.8	18.5	18.7
19	25.9	23.4	24.8	25.1	24.6	24.8	26.1	24.0	24.8	19.0	18.7	18.8
20	26.1	23.7	24.9	25.1	24.6	24.9	26.8	24.7	25.6	19.5	19.0	19.2
21	---	---	---	25.0	24.0	24.4	26.4	24.1	25.1	20.0	19.5	19.8
22	---	---	---	24.8	24.2	24.5	25.8	23.7	24.6	20.5	20.0	20.3
23	---	---	---	25.3	24.7	25.0	24.9	23.3	23.8	21.2	20.5	20.8
24	---	---	---	26.0	25.3	25.6	24.7	24.1	24.3	21.9	21.1	21.3
25	---	---	---	26.6	25.9	26.2	24.7	22.9	23.4	21.7	21.5	21.6
26	---	---	---	26.5	26.2	26.4	23.6	21.8	22.5	21.6	18.9	19.7
27	---	---	---	26.3	23.5	25.1	22.6	22.2	22.4	19.2	17.6	18.2
28	---	---	---	23.5	21.8	22.3	23.1	22.4	22.8	17.9	17.5	17.7
29	---	---	---	22.8	22.3	22.6	23.8	23.1	23.4	17.8	16.8	17.2
30	---	---	---	23.2	22.3	22.6	23.6	23.5	23.5	17.2	16.2	16.6
31	---	---	---	22.9	21.6	22.2	23.7	23.5	23.6	---	---	---
MONTH	---	---	---	---	---	---	28.3	21.6	24.5	24.1	16.2	20.7