

301429089145600 MISSISSIPPI SOUND AT USGS MERRILL SHELL BANK LIGHT

Pascagoula Basin
Mississippi Coastal Subbasin

LOCATION.--Lat 30°14'17", long 89°14'34" referenced to North American Datum of 1927, Jackson County, MS, Hydrologic Unit 03170009, St. Stephens Meridian, on the USGS Merrill Shell Bank Light platform, 5 miles south of Pass Christian in the Mississippi Sound.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Water years 1998 to 2005, 2008 to current year.

PERIOD OF DAILY RECORD.--

TURBIDITY: July 2005 to August 2005.

GAGE HEIGHT: August 1998 to August 2005; November 2008 to current year.

REMARKS.--Gage height records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--

GAGE HEIGHT (August 1998 to August 2005): Maximum recorded, 7.68 ft, Sept. 27, 1998, (Hurricane Georges) but may have been higher during periods of instrument malfunction; minimum recorded, -2.39 ft, Dec. 11, 2004, but may have been lower during periods of instrument malfunction.

GAGE HEIGHT (November 2008 to current year): Maximum recorded, 6.96 ft, Nov. 10, 2010, but may have been higher during periods of instrument malfunction; minimum recorded, -0.92 ft, Mar. 2, 2009, but may have been lower during periods of instrument malfunction.

EXTREMES FOR PERIOD OF DAILY RECORD WATER QUALITY.--

TURBIDITY (July 2005 to August 2005): Maximum recorded, 110 FNU, Jul. 10, 2005, but may have been higher during periods of instrument malfunction; minimum recorded, 1.0 FNU, on several days in water year 2005, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--

GAGE HEIGHT: Maximum recorded, 6.96 ft, Nov. 10, but may have been higher during periods of instrument malfunction; minimum recorded, 0.08 ft, Mar. 22, but may have been lower during periods of instrument malfunction.

301429089145600 MISSISSIPPI SOUND AT USGS MERRILL SHELL BANK LIGHT—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	High-high	Low-low										
	October		November		December		January		February		March	
1	3.61	2.73	3.56	1.94	6.12	1.96	3.65	1.29	3.45	1.83	---	1.57
2	3.69	2.89	3.98	1.98	3.83	1.97	2.47	0.86	3.18	1.91	4.17	0.64
3	3.64	2.77	4.03	1.76	4.41	1.39	3.57	1.15	3.31	---	2.18	0.45
4	3.94	2.85	4.21	1.73	3.36	1.41	3.33	1.29	5.08	1.72	2.55	---
5	3.99	2.32	---	1.64	---	1.20	2.23	1.10	3.61	2.53	2.82	0.36
6	---	2.23	4.27	1.73	3.68	1.62	2.49	1.37	2.81	0.73	2.82	0.57
7	4.10	1.95	4.31	2.14	4.37	2.10	3.24	1.76	3.14	1.05	2.77	0.58
8	3.95	1.72	4.56	2.77	4.27	2.87	3.11	0.72	4.06	1.39	2.96	0.62
9	4.51	1.65	5.68	3.96	3.21	2.53	2.68	0.50	2.59	1.28	3.94	1.28
10	4.01	1.75	6.96	2.55	3.48	1.95	2.37	0.22	2.44	0.64	3.75	1.80
11	4.27	1.93	3.81	2.74	4.21	2.39	2.68	0.42	3.47	0.68	3.79	2.69
12	3.97	1.82	2.96	2.53	4.77	2.59	2.84	0.19	3.42	2.11	3.27	1.59
13	3.83	2.17	3.47	2.44	4.02	2.13	3.16	0.87	2.53	1.49	---	0.76
14	3.43	2.28	3.88	1.88	4.29	1.71	3.58	0.93	3.36	1.38	2.81	1.15
15	3.23	2.91	4.09	1.67	3.73	1.73	---	1.69	2.39	0.60	2.30	1.53
16	3.53	2.07	4.74	1.73	4.01	1.26	5.16	2.72	2.40	1.23	2.27	1.80
17	3.15	2.13	4.00	1.29	---	1.87	---	1.21	2.51	1.37	2.30	0.96
18	---	1.60	4.35	1.70	5.61	1.88	2.61	1.53	2.65	---	2.55	1.02
19	3.62	1.84	4.24	1.80	---	1.21	2.80	1.60	2.74	1.43	2.91	1.13
20	3.70	2.02	---	2.29	2.72	1.32	3.24	2.16	3.08	1.45	3.73	2.65
21	5.26	2.47	4.49	2.46	3.00	1.29	3.22	2.50	3.57	1.33	3.63	---
22	---	2.81	5.68	2.70	---	1.97	3.33	2.04	3.66	1.77	2.82	0.08
23	5.47	2.27	4.17	2.55	3.98	2.97	4.96	2.16	3.80	1.52	2.92	0.65
24	3.86	2.16	3.72	2.82	5.70	3.92	4.07	2.84	3.16	1.29	3.36	0.81
25	4.23	2.31	3.13	2.66	3.65	1.45	3.35	0.86	3.04	0.61	3.25	1.45
26	3.84	2.42	2.76	2.35	3.88	2.21	3.17	0.48	3.29	0.72	3.22	1.01
27	3.81	2.61	2.76	1.89	3.72	1.95	3.83	0.77	3.02	1.43	3.14	1.71
28	3.73	3.15	3.48	1.58	3.20	1.08	4.02	0.86	2.53	1.36	3.49	1.47
29	3.90	3.15	3.88	1.86	3.67	0.63	4.83	1.97	---	---	2.23	1.23
30	4.08	3.24	3.34	1.73	4.95	0.83	3.54	1.06	---	---	2.87	0.76
31	3.23	1.76	---	---	4.43	1.37	---	1.40	---	---	2.76	0.84
Max	---	3.24	---	3.96	---	3.92	---	2.84	5.08	---	---	---
Min	---	1.60	---	1.29	---	0.63	---	0.19	2.39	---	---	---

301429089145600 MISSISSIPPI SOUND AT USGS MERRILL SHELL BANK LIGHT—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	High-high	Low-low										
	April		May		June		July		August		September	
1	3.12	1.01	5.09	---	---	---	---	2.48	2.72	2.25	---	2.83
2	3.63	1.91	5.32	2.39	---	1.84	3.40	2.70	3.21	2.10	---	2.51
3	3.50	---	4.04	2.24	3.71	3.02	4.54	3.65	3.43	1.99	4.13	2.01
4	3.49	1.62	3.80	2.38	3.46	2.35	4.57	3.41	3.54	1.48	4.18	2.04
5	3.35	1.43	3.45	2.03	3.49	2.46	4.89	3.00	4.04	1.51	4.56	2.20
6	3.20	1.49	2.99	1.82	3.22	2.07	5.00	3.52	4.02	1.60	4.53	2.52
7	3.52	1.87	2.79	2.25	3.03	1.81	5.11	2.55	3.93	1.60	4.22	2.94
8	2.94	2.13	2.30	1.74	3.74	1.78	4.41	2.01	3.75	1.48	4.09	3.29
9	3.09	1.77	3.59	2.15	3.69	1.68	4.28	1.54	4.05	1.78	3.89	3.16
10	3.08	1.79	3.76	2.19	4.15	1.57	4.15	1.26	4.10	2.77	---	2.83
11	2.69	2.11	3.66	2.22	4.45	1.47	3.96	1.01	4.37	3.19	4.07	2.28
12	---	2.00	4.03	2.24	4.06	1.38	3.76	1.18	4.61	3.36	4.06	2.18
13	3.82	2.15	4.34	2.00	3.87	1.23	3.44	1.21	3.09	2.71	4.26	2.32
14	4.30	1.91	3.86	1.84	3.85	1.44	3.39	1.50	3.48	1.96	4.20	2.43
15	4.77	2.12	4.64	2.13	3.95	1.61	3.06	2.29	3.71	1.76	4.43	2.93
16	3.64	1.68	4.59	2.02	3.17	1.72	3.18	2.40	3.66	2.52	4.85	3.06
17	3.76	1.59	4.11	---	2.85	1.99	3.46	2.27	5.04	1.94	4.46	3.06
18	3.73	---	3.81	1.72	2.74	2.09	3.79	2.20	4.20	1.64	4.39	2.98
19	3.65	1.12	3.85	---	3.06	1.75	3.89	2.27	3.74	1.39	4.24	2.90
20	3.45	1.30	3.87	2.22	3.48	2.02	4.43	2.11	3.64	1.48	4.08	3.01
21	3.26	1.48	3.39	2.34	3.40	1.63	4.30	2.32	3.20	1.32	4.07	3.23
22	3.28	1.26	3.36	2.79	4.09	1.91	4.35	2.02	2.98	1.38	4.55	3.65
23	4.12	2.16	3.45	2.42	4.21	1.62	4.15	1.78	3.44	1.77	4.75	4.10
24	4.95	2.79	---	---	3.93	1.59	4.08	2.45	3.67	2.58	4.58	3.13
25	3.18	2.12	4.05	1.72	3.94	1.59	4.62	2.50	3.99	2.92	---	2.94
26	2.94	1.34	4.12	2.06	3.91	1.63	4.16	2.24	3.93	3.02	4.52	2.95
27	2.94	0.64	4.55	1.83	4.25	2.10	3.71	2.13	3.88	3.01	4.34	2.84
28	3.63	0.98	4.46	1.84	4.65	2.31	3.06	1.92	---	---	4.57	2.63
29	4.12	1.82	4.38	---	4.55	2.93	2.73	1.76	4.97	3.23	4.64	2.70
30	4.51	2.07	---	---	5.38	2.82	2.56	2.03	---	3.22	4.29	2.17
31	---	---	---	---	---	---	2.75	2.28	4.90	3.03	---	---
Max	---	---	---	---	---	---	---	3.65	---	---	---	4.10
Min	---	---	---	---	---	---	---	1.01	---	---	---	2.01

301429089145600 MISSISSIPPI SOUND AT USGS MERRILL SHELL BANK LIGHT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to 2005, 2008 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: September 1998 to August 2005, November 2008 to current year.

WATER TEMPERATURE: August 1998 to August 2005, November 2008 to current year.

INSTRUMENTATION.--Submersible transducer and data-collection platform (DCP) from August 1998 to August 2005, November 2008 to current year.

Datum of gage is assumed and may be different between the two time periods. Water-quality monitor from August 1998 to August 2005, November 2008 to current year. The platform and all equipment were destroyed by Hurricane Katrina on August 28, 2005. A new platform and equipment were installed on November 20, 2008.

REMARKS.--Specific conductance records fair. Water temperature records good. Equipment destroyed by Hurricane Georges, September 28, 1998; reinstalled February 18, 1999. Equipment malfunction on September 25, 2002 due to Tropical Storm Isadore. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 53,300 microsiemens, Dec. 9, 2008, but may have been higher during periods of instrument malfunction; minimum recorded, 1,740 microsiemens, Mar. 13, 2003, but may have been lower during periods of instrument malfunction.

WATER TEMPERATURE: Maximum recorded, 33.0 °C, Aug. 20, 2005, but may have been higher during periods of instrument malfunction; minimum recorded, 4.1 °C, Jan. 10,11, 2010, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 46,200 microsiemens, Dec. 2, but may have been higher during periods of instrument malfunction; minimum recorded, 3,360 microsiemens, Jan. 5, but may have been lower during periods of instrument malfunction.

WATER TEMPERATURE: Maximum recorded, 32.4 °C, Aug. 2,3,7, but may have been higher during periods of instrument malfunction; minimum recorded, 4.1 °C, Jan. 10,11, but may have been lower during periods of instrument malfunction.

301429089145600 MISSISSIPPI SOUND AT USGS MERRILL SHELL BANK LIGHT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	39,200	33,300	29,000	18,900	46,100	36,800	27,200	8,990	---	---	28,100	15,600
2	39,100	36,700	29,800	23,400	46,200	37,200	17,900	7,840	---	---	27,000	15,400
3	39,700	34,900	30,200	24,000	41,400	35,200	13,200	8,610	---	---	15,600	11,400
4	40,300	38,500	31,100	24,300	41,400	34,400	11,300	5,720	---	---	26,400	11,100
5	40,000	34,800	32,600	24,900	38,600	31,700	6,570	3,360	---	---	35,000	11,800
6	38,800	33,500	31,600	25,100	41,000	33,000	24,800	4,020	---	---	33,600	14,400
7	37,400	29,000	32,600	26,800	45,600	34,200	28,200	4,210	---	---	33,800	16,700
8	36,000	29,200	37,300	27,900	45,300	37,900	22,800	10,100	---	---	33,900	16,800
9	36,000	30,600	38,800	36,500	42,300	28,200	21,000	9,440	---	---	35,300	25,300
10	35,800	30,600	38,200	31,500	39,200	31,200	25,200	---	---	---	34,700	25,400
11	35,600	29,900	31,700	28,700	44,400	36,800	---	---	---	---	34,700	31,200
12	35,000	29,300	31,900	26,800	45,900	39,700	---	---	---	---	33,200	25,400
13	34,800	30,000	29,500	22,800	45,300	33,100	---	---	---	---	28,200	18,500
14	33,600	29,300	37,000	22,900	37,400	24,200	---	---	---	---	23,400	16,000
15	35,200	28,300	37,700	25,300	31,600	13,800	---	---	---	---	25,000	16,200
16	---	---	35,800	27,700	20,800	15,500	---	---	---	---	32,400	17,000
17	---	---	33,500	26,100	29,100	16,600	---	---	---	---	34,700	17,000
18	---	---	36,100	26,900	34,100	14,400	---	---	36,600	6,370	34,900	16,000
19	---	---	36,900	29,500	16,200	5,580	---	---	37,500	17,100	37,500	23,200
20	---	---	37,600	30,800	6,710	5,490	---	---	36,100	22,100	36,200	23,000
21	---	---	40,400	32,900	12,700	6,140	---	---	31,800	22,500	36,700	23,300
22	---	---	42,500	30,000	24,600	10,400	---	---	31,200	23,300	30,900	16,500
23	---	---	40,700	33,200	19,900	11,000	---	---	30,700	21,500	33,300	16,400
24	---	---	38,100	35,300	26,300	17,200	---	---	30,100	24,200	32,100	19,900
25	---	---	38,500	32,100	17,900	12,600	---	---	29,600	23,600	33,200	26,500
26	---	---	33,500	30,000	13,900	8,650	---	---	29,900	17,500	34,400	23,900
27	---	---	34,500	25,800	12,800	8,280	---	---	30,500	22,200	35,900	27,500
28	36,000	31,900	38,900	22,300	12,900	4,190	---	---	29,300	21,200	33,800	26,700
29	35,000	31,400	42,800	29,300	26,100	3,580	---	---	---	---	27,200	24,500
30	36,500	30,700	41,800	33,900	26,700	5,380	---	---	---	---	29,800	22,900
31	31,400	26,700	---	---	25,400	8,410	---	---	---	---	31,500	22,800
Month	---	---	42,800	18,900	46,200	3,580	---	---	---	---	37,500	11,100

301429089145600 MISSISSIPPI SOUND AT USGS MERRILL SHELL BANK LIGHT—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Max	Min								
	April		May		June		July		August		September	
1	32,900	24,100	33,700	30,600	---	---	---	---	31,800	21,000	---	---
2	34,200	24,000	35,000	31,800	27,700	---	25,000	22,700	31,800	23,900	---	---
3	34,000	29,600	36,300	31,800	28,300	24,100	24,200	21,700	32,000	23,100	31,900	25,900
4	32,600	26,500	34,000	29,200	28,200	25,000	23,700	22,300	33,400	23,900	31,800	24,900
5	30,900	25,300	29,200	26,800	27,500	25,000	23,800	21,200	35,200	25,200	30,600	25,100
6	29,200	25,100	27,300	24,100	26,600	24,500	24,100	21,700	35,500	28,000	32,100	27,100
7	30,900	25,300	25,500	22,500	25,000	20,000	25,100	21,900	35,100	28,100	32,200	27,400
8	29,600	23,000	23,200	20,500	25,600	21,600	24,600	19,600	36,600	29,600	30,600	27,100
9	27,500	22,400	30,200	21,400	26,000	22,100	22,600	19,500	34,800	30,400	30,000	25,800
10	29,100	23,200	28,800	22,600	26,900	22,000	23,000	17,400	36,700	32,200	31,400	25,800
11	25,200	23,800	30,000	27,700	27,200	21,800	25,000	15,700	36,900	34,200	29,900	23,600
12	25,800	24,300	31,900	27,900	26,400	21,600	24,600	14,800	38,600	35,300	30,400	24,200
13	27,100	24,000	33,600	28,100	26,200	20,900	25,200	13,300	36,600	34,600	27,200	24,700
14	30,200	24,400	34,200	28,200	26,200	20,800	29,200	12,600	36,900	30,800	28,300	25,700
15	30,300	24,000	33,100	26,600	26,900	21,700	29,200	15,800	35,200	28,700	29,300	25,600
16	27,600	24,100	30,800	25,200	26,600	22,200	30,500	22,400	33,400	28,700	31,600	28,000
17	28,200	24,400	28,700	25,100	29,000	21,300	27,200	21,000	36,900	32,500	31,700	27,200
18	28,200	23,800	26,900	22,800	28,300	22,300	29,400	20,200	36,600	30,500	30,100	26,900
19	28,000	22,500	28,200	22,400	27,200	22,000	27,900	19,600	36,300	29,500	31,000	27,100
20	27,700	22,500	26,900	24,700	29,600	24,100	28,200	21,500	35,900	29,400	30,200	26,400
21	28,600	23,500	25,100	23,000	29,700	24,600	28,200	21,800	34,900	26,500	29,400	26,800
22	29,100	23,900	27,000	23,700	30,200	25,300	28,600	21,900	33,400	26,300	31,400	27,900
23	33,200	27,500	25,400	22,200	31,000	25,500	27,500	23,000	38,900	28,600	30,300	27,700
24	32,900	27,700	---	---	30,200	25,900	26,000	22,200	39,700	30,700	30,700	28,400
25	29,300	25,400	---	---	30,000	25,700	26,400	22,800	39,700	33,900	31,300	27,200
26	26,200	20,500	25,900	21,400	29,400	25,500	26,100	21,900	40,800	34,300	31,600	25,900
27	26,700	20,800	26,000	23,200	29,800	25,400	25,300	21,200	39,900	35,900	28,800	24,800
28	32,300	21,000	25,800	23,000	30,100	26,200	25,500	19,900	---	---	28,300	25,100
29	33,200	24,400	---	22,900	29,300	25,600	23,200	18,700	---	---	29,700	26,800
30	34,800	29,200	---	---	27,500	24,600	22,400	18,100	39,900	36,600	28,300	26,000
31	---	---	---	---	---	---	28,100	18,900	39,700	---	---	---
Month	34,800	20,500	---	---	---	---	---	---	---	---	---	---

301429089145600 MISSISSIPPI SOUND AT USGS MERRILL SHELL BANK LIGHT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	27.0	25.5	20.2	19.1	15.7	14.6	11.9	10.9	11.1	10.4	12.4	11.8
2	26.7	26.0	19.7	18.9	14.9	14.3	10.9	10.0	11.8	10.9	11.9	10.5
3	26.6	25.4	19.6	18.6	14.7	14.2	10.1	9.3	11.7	10.9	11.1	10.0
4	26.3	26.0	19.7	18.7	14.2	13.3	9.4	7.8	11.6	11.1	11.4	10.2
5	26.3	25.7	20.0	18.9	13.3	12.0	7.8	6.8	11.8	11.3	12.5	10.5
6	27.7	26.0	19.3	18.7	12.1	11.4	7.9	6.3	11.7	11.1	12.3	10.8
7	28.3	26.6	19.4	18.4	12.2	11.7	8.4	6.6	11.1	10.5	12.9	11.5
8	28.5	27.3	19.3	18.9	12.9	12.1	7.5	6.1	11.4	10.3	13.2	12.5
9	28.7	27.9	19.2	19.0	14.2	12.8	6.1	5.0	11.4	10.6	13.6	12.8
10	28.2	27.1	19.2	18.4	13.5	12.4	5.9	4.1	10.7	9.7	14.7	13.0
11	27.1	26.4	18.6	18.2	12.4	10.9	6.8	4.1	9.8	8.8	14.9	14.0
12	26.9	26.1	18.4	17.6	11.4	10.6	7.6	5.2	9.1	7.8	16.1	14.4
13	26.7	26.3	18.2	17.6	12.2	11.1	7.7	5.6	8.2	7.5	16.3	15.5
14	26.9	26.2	18.7	18.2	12.3	11.5	7.8	6.5	8.8	8.0	16.5	15.6
15	27.4	26.5	19.5	18.3	12.8	11.9	8.5	6.8	9.1	8.4	16.9	15.8
16	27.3	24.9	19.5	18.7	12.7	11.9	9.4	8.4	8.8	7.9	16.5	15.6
17	24.9	22.0	19.2	17.9	12.1	11.4	9.7	8.9	9.3	7.9	16.2	15.8
18	22.2	19.8	18.1	17.2	11.7	11.3	10.5	9.3	10.3	7.9	16.0	14.8
19	20.7	19.1	18.0	17.0	11.8	11.2	10.7	9.7	10.6	9.5	16.6	15.6
20	20.6	19.3	17.6	16.9	11.6	11.1	12.0	10.0	11.6	10.0	16.5	15.9
21	20.7	19.6	17.3	16.8	11.8	10.9	12.8	10.3	11.7	10.8	16.5	14.9
22	21.3	20.5	17.0	16.6	12.7	11.4	12.6	10.4	12.9	11.3	14.9	13.8
23	21.8	21.1	17.2	16.7	12.9	12.1	13.4	11.0	12.6	11.8	16.0	13.9
24	21.2	19.8	17.3	16.8	13.2	12.8	13.8	13.0	12.2	11.4	15.6	14.9
25	20.2	19.6	17.3	16.6	13.2	11.9	13.6	13.0	11.4	10.3	16.6	14.9
26	19.7	19.2	16.6	15.5	12.1	11.2	13.7	12.6	11.4	10.3	17.2	15.7
27	19.8	19.4	16.0	14.8	12.0	11.0	13.4	12.4	11.9	10.9	17.4	16.3
28	19.5	19.1	16.4	14.5	11.6	10.5	13.1	12.3	12.3	11.0	18.0	16.7
29	20.7	19.5	16.0	14.9	11.1	9.8	13.3	12.8	---	---	17.6	16.6
30	22.0	20.6	16.1	15.7	11.1	10.1	13.2	11.7	---	---	17.8	16.5
31	21.6	20.1	---	---	11.9	10.4	11.7	10.7	---	---	19.4	17.0
Month	28.7	19.1	20.2	14.5	15.7	9.8	13.8	4.1	12.9	7.5	19.4	10.0

301429089145600 MISSISSIPPI SOUND AT USGS MERRILL SHELL BANK LIGHT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	19.2	17.6	23.4	22.5	---	---	29.1	28.6	31.5	30.8	---	---
2	19.4	18.2	23.8	23.3	---	---	29.0	28.4	32.4	31.1	---	---
3	19.7	19.2	25.2	23.8	28.9	28.0	29.1	28.3	32.4	31.4	29.4	28.2
4	20.4	19.3	25.7	24.4	28.3	27.8	29.1	28.4	31.7	31.1	29.3	28.3
5	21.1	19.8	26.6	25.4	28.7	27.5	29.1	28.6	31.6	30.6	28.8	28.0
6	21.7	20.5	26.7	25.9	29.5	28.2	28.8	28.1	32.2	30.8	29.3	27.8
7	22.3	21.2	27.2	26.0	31.0	28.6	28.8	27.9	32.4	31.1	29.9	28.4
8	22.4	21.7	26.8	26.1	30.4	28.9	29.9	28.3	32.2	31.1	30.1	28.9
9	22.0	20.7	26.1	24.6	31.0	29.4	29.9	28.9	32.0	31.4	30.3	29.4
10	21.4	20.9	25.3	24.2	30.9	29.5	30.8	29.6	31.9	31.0	30.5	29.6
11	21.7	20.7	25.8	24.5	30.9	29.6	30.6	29.8	31.9	30.9	31.2	30.0
12	22.1	21.0	26.3	25.2	31.4	30.0	30.5	29.4	31.1	30.1	31.2	30.3
13	22.3	21.3	26.6	25.8	31.9	30.3	30.8	29.7	30.2	29.6	31.1	29.7
14	22.6	21.3	27.1	25.9	31.9	30.6	30.5	29.6	30.3	29.6	30.5	29.4
15	22.7	21.7	26.7	26.1	31.7	31.1	30.5	30.0	30.3	29.7	30.3	29.8
16	23.2	21.8	26.2	25.6	31.9	30.8	30.6	30.2	30.4	29.4	30.0	29.2
17	23.3	22.1	26.6	25.4	31.7	30.8	30.7	29.7	30.2	29.5	30.0	29.2
18	23.3	22.5	27.3	25.9	31.7	30.6	30.6	30.0	30.2	29.4	30.0	29.2
19	23.3	22.4	28.2	26.6	32.1	31.0	30.7	29.7	30.6	29.8	30.3	29.3
20	23.0	22.1	28.2	27.3	32.3	30.3	30.8	29.8	31.2	30.1	30.2	29.6
21	23.0	21.7	28.8	27.6	32.3	30.5	31.1	30.0	31.3	30.2	30.5	29.7
22	23.6	22.0	29.2	27.6	31.0	30.4	31.7	30.4	31.8	30.4	29.9	29.2
23	23.3	22.6	29.1	28.4	30.8	29.9	31.7	30.5	30.8	29.9	29.2	28.6
24	23.2	22.7	---	---	31.3	30.1	31.5	30.8	30.8	29.7	29.6	28.5
25	23.7	22.7	---	---	32.0	30.5	31.4	30.6	31.0	29.4	29.6	28.8
26	23.6	22.8	28.8	28.1	32.3	30.6	31.6	30.7	30.6	29.8	29.3	28.7
27	23.2	22.4	29.4	28.2	32.0	30.8	31.6	30.7	30.3	29.0	28.8	27.5
28	22.6	21.5	29.5	28.3	31.4	30.4	31.0	30.3	---	---	27.6	26.6
29	22.6	21.4	---	---	30.4	29.6	31.4	30.6	---	---	26.9	25.8
30	22.6	21.9	---	---	29.6	28.9	31.8	30.7	28.0	27.5	25.9	25.2
31	---	---	---	---	---	---	31.3	30.5	28.2	27.4	---	---
Month	23.7	17.6	---	---	---	---	31.8	27.9	---	---	---	---