



2004 Water Year  
APALACHICOLA RIVER BASIN

02338500 CHATTAHOOCHEE RIVER AT US 27, AT FRANKLIN, GA

Latitude: 33° 16 ' 45"

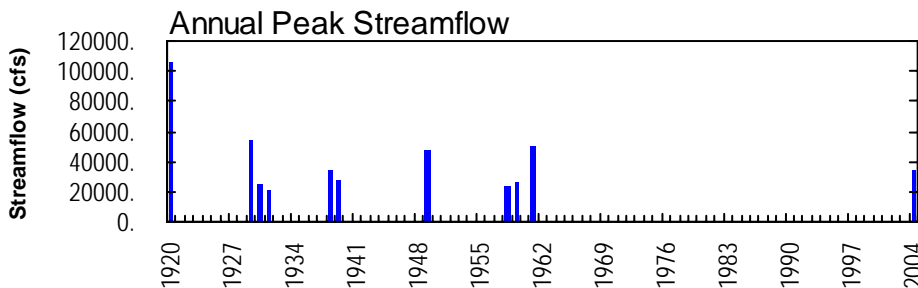
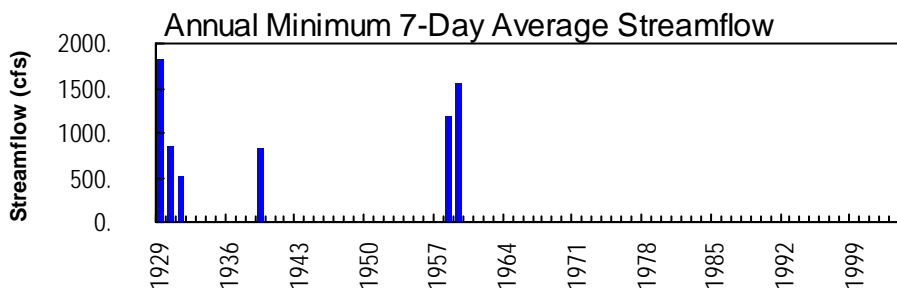
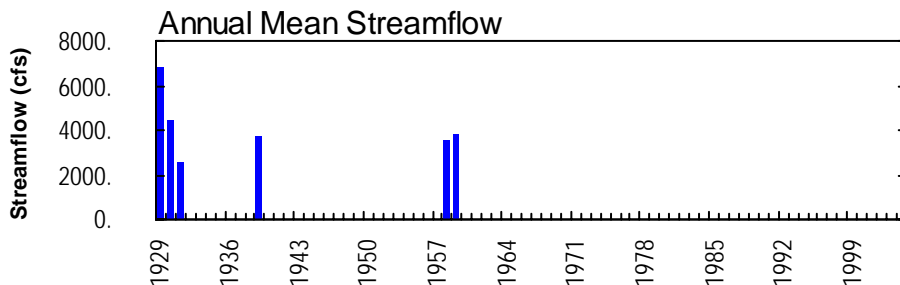
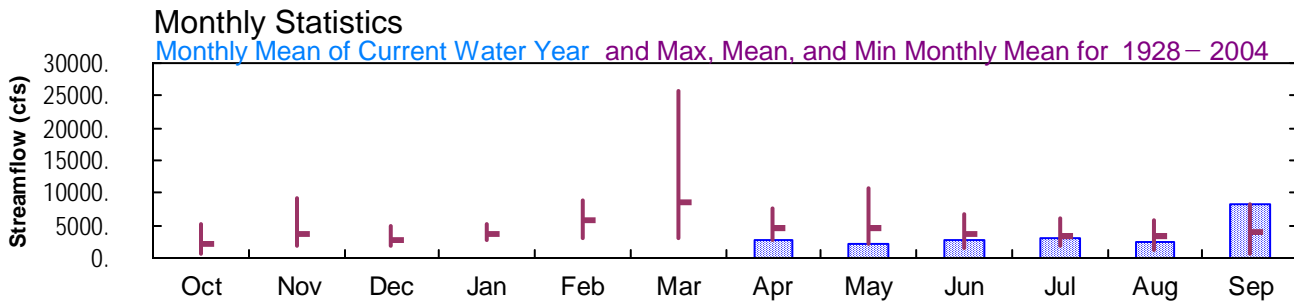
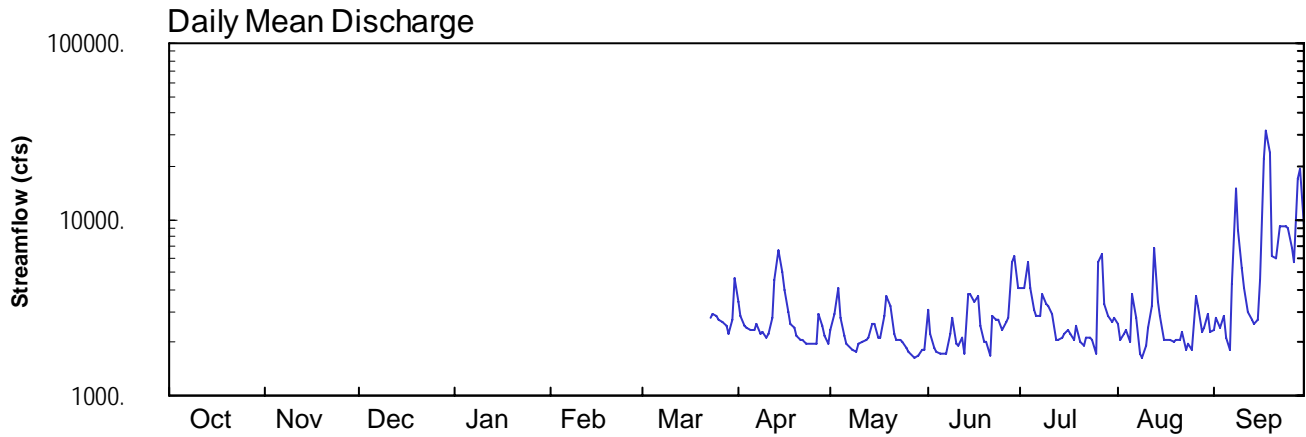
Longitude: 085° 06 ' 00"

Hydrologic Unit Code: 03130002

Heard County

Datum: 623.86 feet

Drainage Area: 2680. mi<sup>2</sup>



NO PHOTOS AVAILABLE FOR THIS SITE

**APALACHICOLA RIVER BASIN  
2004 Water Year**

**02338500 CHATTAHOOCHEE RIVER AT US 27, NEAR FRANKLIN, GA**

**LOCATION.**—Lat 33°16'45", long 84°06'00" referenced to North American Datum (NAD) of 1927, Heard County, Hydrologic Unit 03130002, on downstream side of left bridge abutment of US 27 in Franklin, 1.2 miles below Centralhatchee Creek, 2.0 miles upstream of Hillabahatchee Creek.

**DRAINAGE AREA.**—2,680 square miles.

**COOPERATION.**—U.S. Army Corps of Engineers, Mobile District.

**WATER-DISCHARGE RECORDS**

**PERIOD OF RECORD.**—June 1929 to October 1931, October 1938 to September 1939, October 1957 to September 1959, October 1995 to September 1997, March 23, 2004 to September 30, 2004.

**GAGE.**—Satellite telemetry with a water-stage recorder and an acoustic velocity meter. Datum of gage is 623.86 feet above National Geodetic Vertical Datum (NGVD) of 1929.

**REMARKS.**—Records fair. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974.

**WATER-STAGE RECORDS**

**PERIOD OF RECORD.**—June 1929 to October 1931, October 1938 to September 1939, October 1957 to September 1959, October 1995 to September 1997, March 23, 2004 to September 30, 2004.

**GAGE.**—Satellite telemetry with a water-stage recorder and an acoustic velocity meter. Datum of gage is 623.86 feet above National Geodetic Vertical Datum (NGVD) of 1929.

**REMARKS.**—Records fair. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974.

**EXTREMES FOR CURRENT YEAR.**—Maximum gage-height recorded, 22.38 feet, September 18-19; minimum gage-height recorded, 8.47 feet, March 29.

**APALACHICOLA RIVER BASIN  
2004 Water Year**

**02338500 CHATTAHOOCHEE RIVER AT US 27, NEAR FRANKLIN, GA—continued.**

**WATER-VELOCITY RECORDS**

**PERIOD OF RECORD.**—March 23, 2004 to September 30, 2004.

**GAGE.**—Satellite telemetry with a water-stage recorder and an acoustic velocity meter. Data represents the average water velocity at the downstream cross-section of the bridge with positive values in the downstream direction

**REMARKS.**—Records fair.

**PRECIPITATION RECORDS**

**PERIOD OF RECORD.**—March 23, 2004 to September 30, 2004.

**GAGE.**—Tipping-bucket raingage.

**REMARKS.**—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338500 CHATTAHOOCHEE RIVER AT US 27, AT FRANKLIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149  
 LATITUDE 331645 LONGITUDE 0850600 NAD27 DRAINAGE AREA 2680.00 CONTRIBUTING DRAINAGE AREA 2680.00\* DATUM 623.86 NGVD29

Discharge, cubic feet per second  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	3400	2340	3040	4080	2580	2350
2	---	---	---	---	---	---	2830	2890	2250	4110	2050	2790
3	---	---	---	---	---	---	2500	4100	1870	5700	2260	2430
4	---	---	---	---	---	---	2420	2750	1760	4070	2340	2820
5	---	---	---	---	---	---	2380	2190	1730	3020	2020	2150
6	---	---	---	---	---	---	2330	1990	1720	2830	3790	1800
7	---	---	---	---	---	---	2570	1870	1720	2860	2740	4250
8	---	---	---	---	---	---	2270	1800	2220	3730	1720	15100
9	---	---	---	---	---	---	2310	1760	2720	3320	1640	8600
10	---	---	---	---	---	---	2110	1970	1990	3190	1900	5330
11	---	---	---	---	---	---	2240	2010	1940	2920	2390	4110
12	---	---	---	---	---	---	2730	2060	2120	2050	3250	3010
13	---	---	---	---	---	---	4500	2110	1720	2070	6830	2710
14	---	---	---	---	---	---	6720	2540	3800	2120	3390	2540
15	---	---	---	---	---	---	5000	2560	3790	2250	2810	2670
16	---	---	---	---	---	---	4010	2100	3410	2380	2100	4580
17	---	---	---	---	---	---	2950	2150	3670	2230	2050	22300
18	---	---	---	---	---	---	2540	2800	2510	2080	2090	32200
19	---	---	---	---	---	---	2400	3680	2040	2490	2040	23900
20	---	---	---	---	---	---	2190	3250	2000	2020	2060	6200
21	---	---	---	---	---	---	2080	2210	1700	1920	2090	6010
22	---	---	---	---	---	---	2070	2050	2850	2110	2330	9200
23	---	---	---	---	---	2730	1950	2060	2700	2120	1830	9130
24	---	---	---	---	---	2930	1970	2020	2690	2090	1960	9030
25	---	---	---	---	---	2840	1960	1870	2370	1750	1800	8800
26	---	---	---	---	---	2700	1970	1790	2630	5640	3710	6800
27	---	---	---	---	---	2610	2930	1700	2780	6360	3210	5660
28	---	---	---	---	---	2470	2510	1640	5780	3320	2280	16800
29	---	---	---	---	---	2220	2190	1680	6210	2820	2430	19300
30	---	---	---	---	---	2690	1950	1810	4030	2650	2880	9290
31	---	---	---	---	---	4610	---	1840	---	2740	2310	---
TOTAL	---	---	---	---	---	---	81980	69590	81760	93040	78880	251860
MEAN	---	---	---	---	---	---	2733	2245	2725	3001	2545	8395
MAX	---	---	---	---	---	---	6720	4100	6210	6360	6830	32200
MIN	---	---	---	---	---	---	1950	1640	1700	1750	1640	1800
CFSM	---	---	---	---	---	---	1.02	0.84	1.02	1.12	0.95	3.13
IN.	---	---	---	---	---	---	1.14	0.97	1.13	1.29	1.09	3.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004, BY WATER YEAR (WY)

	2144	3798	2889	3730	5724	8707	4514	4463	3683	3505	3343	4053
MEAN	2144	3798	2889	3730	5724	8707	4514	4463	3683	3505	3343	4053
MAX	5060	9090	4773	5340	8778	25660	7528	10600	6855	6178	5859	8395
(WY)	1930	1930	1930	1930	1939	1929	1929	1929	1959	1928	1928	2004
MIN	491	1880	1771	2742	2922	3092	2733	2245	1596	1792	1256	644
(WY)	1932	1939	1939	1958	1931	1931	2004	2004	1931	1931	1930	1931

SUMMARY STATISTICS

WATER YEARS 1928 - 2004

ANNUAL MEAN	4160
HIGHEST ANNUAL MEAN	6883
LOWEST ANNUAL MEAN	2573
HIGHEST DAILY MEAN	54000
LOWEST DAILY MEAN	457
ANNUAL SEVEN-DAY MINIMUM	471
MAXIMUM PEAK FLOW	54000
MAXIMUM PEAK STAGE	22.70
INSTANTANEOUS LOW FLOW	448
ANNUAL RUNOFF (CFSM)	1.55
ANNUAL RUNOFF (INCHES)	21.09
10 PERCENT EXCEEDS	7000
50 PERCENT EXCEEDS	3080
90 PERCENT EXCEEDS	1360

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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 LATITUDE 331645 LONGITUDE 0850600 NAD27 DRAINAGE AREA 2680.00 CONTRIBUTING DRAINAGE AREA 2680.00\* DATUM 623.86 NGVD29

Gage height, feet  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	9.33	9.67	9.32	11.17	13.34	12.45	10.58
2	---	---	---	---	---	9.20	9.19	9.68	10.96	13.40	12.30	10.68
3	---	---	---	---	---	9.12	8.97	10.57	10.81	13.68	12.17	10.65
4	---	---	---	---	---	9.22	8.88	9.96	10.71	13.34	12.06	10.73
5	---	---	---	---	---	9.18	8.83	9.83	10.62	13.11	11.81	10.53
6	---	---	---	---	---	9.20	8.81	9.81	10.61	13.09	12.12	10.29
7	---	---	---	---	---	10.01	9.01	9.82	10.57	13.05	11.73	11.28
8	---	---	---	---	---	9.64	8.81	9.84	10.59	13.18	11.42	17.07
9	---	---	---	---	---	9.27	8.83	9.92	10.65	13.11	11.27	14.03
10	---	---	---	---	---	9.12	8.68	10.09	10.49	13.14	11.17	12.33
11	---	---	---	---	---	8.99	8.74	10.14	10.48	13.15	11.08	11.93
12	---	---	---	---	---	9.13	9.10	10.22	10.51	12.92	11.21	11.67
13	---	---	---	---	---	9.39	10.52	10.29	10.42	12.79	13.10	11.53
14	---	---	---	---	---	9.15	12.47	10.47	11.06	12.66	11.52	11.35
15	---	---	---	---	---	8.93	11.22	10.55	11.34	12.59	11.40	11.14
16	---	---	---	---	---	9.00	10.61	10.54	11.36	12.58	11.24	11.58
17	---	---	---	---	---	9.13	9.91	10.65	11.66	12.56	11.15	18.83
18	---	---	---	---	---	---	9.68	10.86	11.49	12.44	11.10	21.84
19	---	---	---	---	---	---	9.54	11.22	11.44	12.44	11.04	19.72
20	---	---	---	---	---	9.04	9.38	11.21	11.48	12.29	10.97	12.72
21	---	---	---	---	---	8.84	9.34	10.97	11.50	12.16	10.91	12.08
22	---	---	---	---	---	8.77	9.29	11.01	11.73	12.08	10.93	13.73
23	---	---	---	---	---	8.77	9.20	11.10	11.83	11.94	10.76	13.72
24	---	---	---	---	---	8.92	9.16	11.11	11.98	11.84	10.65	13.68
25	---	---	---	---	9.25	8.90	9.12	11.05	12.09	11.82	10.41	13.59
26	---	---	---	---	9.57	8.79	9.12	11.00	12.19	13.27	11.12	12.54
27	---	---	---	---	10.24	8.75	9.58	10.94	12.37	13.77	10.78	11.74
28	---	---	---	---	10.00	8.70	9.35	10.89	13.44	12.77	10.46	16.49
29	---	---	---	---	9.53	8.55	9.22	10.87	13.84	12.62	10.64	18.63
30	---	---	---	---	---	8.89	9.11	10.92	13.41	12.51	10.86	14.55
31	---	---	---	---	---	10.54	---	10.96	---	12.45	10.62	---
MEAN	---	---	---	---	---	---	9.44	10.51	11.43	12.78	11.30	13.37
MAX	---	---	---	---	---	---	12.47	11.22	13.84	13.77	13.10	21.84
MIN	---	---	---	---	---	---	8.68	9.32	10.42	11.82	10.41	10.29

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 LATITUDE 331645 LONGITUDE 0850600 NAD27 DRAINAGE AREA 2680.00 CONTRIBUTING DRAINAGE AREA 2680.00\* DATUM 623.86 NGVD29

Precipitation, total, inches  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
 DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	0.44	0.01	0.00	0.31	0.04
2	---	---	---	---	---	---	0.00	0.13	0.00	0.01	0.00	0.01
3	---	---	---	---	---	---	0.00	0.00	0.08	0.00	0.00	0.32
4	---	---	---	---	---	---	0.00	0.00	0.01	0.00	0.00	0.00
5	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
6	---	---	---	---	---	---	0.00	0.00	0.00	0.01	0.00	0.25
7	---	---	---	---	---	---	0.00	0.00	0.00	0.26	0.00	3.48
8	---	---	---	---	---	---	0.10	0.00	0.00	0.01	0.00	0.03
9	---	---	---	---	---	---	0.00	0.00	0.00	0.22	0.00	0.00
10	---	---	---	---	---	---	0.00	0.03	0.00	0.01	0.58	0.00
11	---	---	---	---	---	---	0.41	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	1.04	0.01	0.00	0.01	1.85	0.00
13	---	---	---	---	---	---	0.09	0.00	1.19	0.00	0.00	0.00
14	---	---	---	---	---	---	0.01	0.00	0.65	0.06	0.00	0.00
15	---	---	---	---	---	---	0.00	0.00	0.03	0.00	0.00	0.00
16	---	---	---	---	---	---	0.00	0.01	0.01	0.00	0.00	4.32
17	---	---	---	---	---	---	0.00	0.00	0.00	0.07	0.00	0.07
18	---	---	---	---	---	---	0.00	0.31	0.01	0.04	0.00	0.00
19	---	---	---	---	---	---	0.00	0.06	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	0.00	0.00	0.01	0.00	0.01	0.00
21	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	0.00	0.95	0.00	0.00	0.86	0.00
23	---	---	---	---	---	---	0.00	0.01	0.00	0.00	0.00	0.00
24	---	---	---	---	---	---	0.00	0.00	0.00	0.10	0.00	0.00
25	---	---	---	---	---	---	0.00	0.00	0.00	0.51	0.02	0.00
26	---	---	---	---	---	---	0.39	0.00	0.00	0.29	0.00	0.00
27	---	---	---	---	---	---	0.00	0.00	0.01	0.93	0.00	0.60
28	---	---	---	---	---	---	0.00	0.27	0.00	0.00	0.00	0.00
29	---	---	---	---	---	---	0.00	0.03	0.00	0.00	0.17	0.00
30	---	---	---	---	---	---	0.06	0.00	0.01	0.18	0.01	0.00
31	---	---	---	---	---	---	---	0.32	---	0.00	0.00	---
TOTAL	---	---	---	---	---	---	---	2.57	2.02	2.71	3.81	9.12

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 LATITUDE 331645 LONGITUDE 0850600 NAD27 DRAINAGE AREA 2680.00 CONTRIBUTING DRAINAGE AREA 2680.00\* DATUM 623.86 NGVD29

Stream velocity, feet per second  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	2.43	1.68	1.57	1.59	1.04	1.29
2	---	---	---	---	---	---	2.19	1.98	1.14	1.59	0.81	1.55
3	---	---	---	---	---	---	2.00	2.52	0.94	2.26	0.93	1.33
4	---	---	---	---	---	---	1.97	1.77	0.89	1.58	0.99	1.56
5	---	---	---	---	---	---	1.95	1.39	0.89	1.14	0.87	1.17
6	---	---	---	---	---	---	1.91	1.24	0.88	1.06	1.73	1.00
7	---	---	---	---	---	---	2.04	1.15	0.89	1.08	1.26	2.10
8	---	---	---	---	---	---	1.85	1.09	1.21	1.46	0.76	4.64
9	---	---	---	---	---	---	1.88	1.05	1.52	1.28	0.74	3.50
10	---	---	---	---	---	---	1.76	1.15	1.08	1.21	0.90	2.54
11	---	---	---	---	---	---	1.86	1.17	1.05	1.09	1.20	1.98
12	---	---	---	---	---	---	2.14	1.19	1.16	0.74	1.68	1.42
13	---	---	---	---	---	---	2.74	1.20	0.92	0.76	3.02	1.29
14	---	---	---	---	---	---	3.26	1.45	2.08	0.80	1.68	1.23
15	---	---	---	---	---	---	2.83	1.44	1.97	0.87	1.38	1.36
16	---	---	---	---	---	---	2.43	1.14	1.73	0.93	1.00	2.32
17	---	---	---	---	---	---	1.94	1.15	1.81	0.86	0.99	5.62
18	---	---	---	---	---	---	1.72	1.50	1.18	0.81	1.01	6.38
19	---	---	---	---	---	---	1.65	1.95	0.93	1.00	1.00	5.36
20	---	---	---	---	---	---	1.53	1.69	0.90	0.80	1.02	2.99
21	---	---	---	---	---	---	1.46	1.11	0.74	0.77	1.05	3.15
22	---	---	---	---	---	---	1.47	1.01	1.32	0.87	1.19	4.10
23	---	---	---	---	---	2.33	1.40	1.00	1.22	0.89	0.93	4.08
24	---	---	---	---	---	2.44	1.43	0.98	1.18	0.89	1.03	4.06
25	---	---	---	---	---	2.37	1.43	0.90	1.00	0.72	0.97	3.99
26	---	---	---	---	---	2.29	1.44	0.86	1.11	2.22	1.97	3.43
27	---	---	---	---	---	2.22	2.07	0.82	1.15	2.52	1.81	3.15
28	---	---	---	---	---	2.12	1.82	0.79	2.32	1.34	1.28	5.43
29	---	---	---	---	---	1.94	1.60	0.82	2.45	1.13	1.32	5.03
30	---	---	---	---	---	2.22	1.43	0.88	1.55	1.07	1.56	3.79
31	---	---	---	---	---	2.91	---	0.90	---	1.12	1.25	---
MEAN	---	---	---	---	---	---	1.92	1.26	1.29	1.18	1.24	3.03
MAX	---	---	---	---	---	---	3.26	2.52	2.45	2.52	3.02	6.38
MIN	---	---	---	---	---	---	1.40	0.79	0.74	0.72	0.74	1.00