

Regional Resources for Drought Management

Overview of the Southeast Regional Climate Center's information resources for monitoring climatic conditions

Dr. Michael Janis
Director, SERCC
janis@dnr.state.sc.us

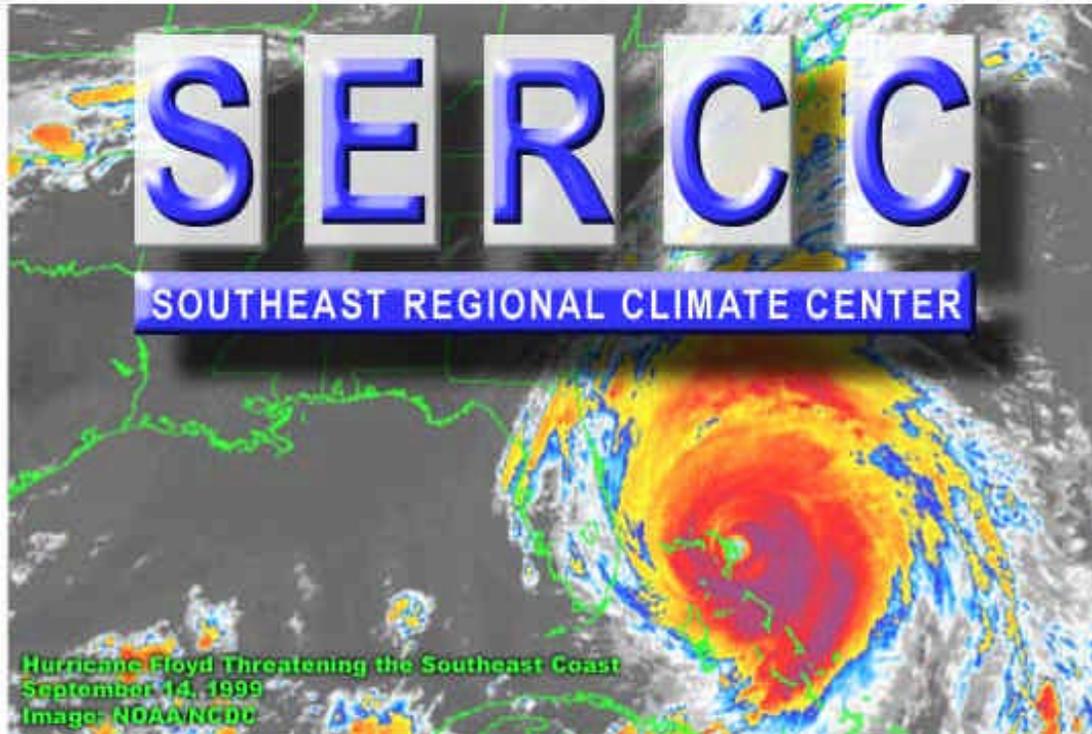


History of the SERCC

- Established in 1989, the SERCC is one of six regional climate centers.
- The SERCC provides climate **data** and **products**, applied climate **research**, and **information** services to the southeastern US and territories.
- The RCCs are administered by the National Climatic Data Center (w/in NOAA). The SC Department of Natural Resources is the host agency for the SERCC.



Southeast Regional Climate Center

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Today in Southeast Weather History

May 8, 1784

A deadly hailstorm in South Carolina hit the town of Winnsborough. The hailstones, measuring as much as nine inches in circumference, killed several people and a great number of sheep, lambs and birds.

Latest Climate Headlines

[Drought enters third year...](#)

Uinta County Herald Wed May 8 02:41:00 EDT 2002

[Heavy rains drench county...](#)

Columbia Daily Tribune Tue May 7 23:58:00 EDT 2002

[Rains don't douse drought...](#)

AccessAtlanta Tue May 7 09:05:00 EDT 2002

[Drought eases grip on metro -- for now...](#)

AccessAtlanta Tue May 7 09:03:00 EDT 2002

www.sercc.com



Three Resource Areas

1. Interactive historical climate summaries and probabilities (normals).
2. Near-real time and historical regional climate database.
3. Maps and tables of derived climate products (PDSI, KBDI, etc).



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ROYAL PALM RANGER STN, FLORIDA

NCDC 1971-2000 Monthly Normals

NOTE:
To print data frame (right side), click on right frame before printing.

1971 - 2000

- [Daily Temp. & Precip.](#)
- [Daily Tabular data \(~23 KB\)](#)
- [Monthly Tabular data \(~1 KB\)](#)
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1961 - 1990

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Precipitation

- [Monthly Average](#)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Mean Max. Temperature (F)	77.7	79.0	82.1	84.5	87.2	89.1	90.6	91.0	89.8	86.6	82.2	78.7	84.9
Highest Mean Max. Temperature (F)	85.4	86.2	90.4	90.3	91.1	94.4	94.2	92.9	92.7	89.2	86.9	83.8	94.4
Year Highest Occurred	1974	1997	1997	1997	1985	1998	1994	1987	1997	1994	1986	1996	1998
Lowest Mean Max. Temperature (F)	71.6	72.8	77.1	80.9	82.3	84.1	87.6	88.6	87.3	83.5	77.7	74.9	71.6
Year Lowest Occurred	1977	1978	1992	1991	1971	1991	1990	1992	1990	1976	1976	1989	1977
Mean Temperature (F)	67.0	67.7	70.7	73.2	76.8	80.4	81.8	82.2	81.6	78.2	73.2	68.6	75.1
Highest Mean Temperature (F)	75.5	73.6	75.5	77.1	79.2	83.9	83.9	84.3	84.1	80.7	79.4	74.6	84.3
Year Highest Occurred	1974	1989	1997	1988	1995	1994	1987	1987	1987	1995	1986	1986	1987
Lowest Mean Temperature (F)	57.8	61.4	66.3	70.9	71.8	77.4	79.8	80.7	80.0	74.5	68.9	64.5	57.8
Year Lowest Occurred	1981	1978	1971	1971	1992	1971	1974	1992	1971	1976	1976	1989	1981
Mean Min. Temperature (F)	56.2	56.3	59.2	61.9	66.4	71.7	73.0	73.3	73.4	69.7	64.2	58.5	65.3
Highest Mean Min. Temperature (F)	65.6	63.7	65.3	66.2	70.1	74.9	76.0	75.6	76.7	73.8	71.9	68.1	76.7
Year Highest Occurred	1974	1987	1987	1988	1987	1987	1987	1995	1987	1995	1986	1986	1987
Lowest Mean Min. Temperature (F)	42.6	49.9	51.7	58.3	61.2	68.4	71.2	71.7	71.0	65.3	58.7	52.9	42.6
Year Lowest Occurred	1981	1978	1999	1971	1992	1984	1974	1984	1984	1977	1981	1980	1981
Mean Precipitation (in.)	1.83	1.69	1.95	2.94	5.48	8.58	6.64	8.82	8.37	5.13	2.65	1.47	55.55
Highest Precipitation (in.)	9.46	7.69	5.09	10.65	12.81	22.30	13.20	20.49	18.16	14.13	7.82	4.07	22.30
Year Highest Occurred	1983	1983	1986	1979	1977	1992	1988	1981	1998	1999	1992	1986	1992
Lowest Precipitation (in.)	0.01	0.01	0.13	0.02	0.47	0.67	2.86	4.34	3.43	0.46	0.29	0.04	0.01
Year Lowest Occurred	1990	1989	1974	1998	1986	1994	1971	1979	1993	1984	2000	1987	1990
Heating Degree Days (F)	108.	58.	23.	1.	0.	0.	0.	0.	0.	0.	8.	40.	238.
Cooling Degree Days (F)	155.	132.	197.	247.	365.	462.	521.	531.	498.	409.	254.	152.	3923.

Southeast Regional Climate Center, sercc@dnr.state.sc.us



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Temperature

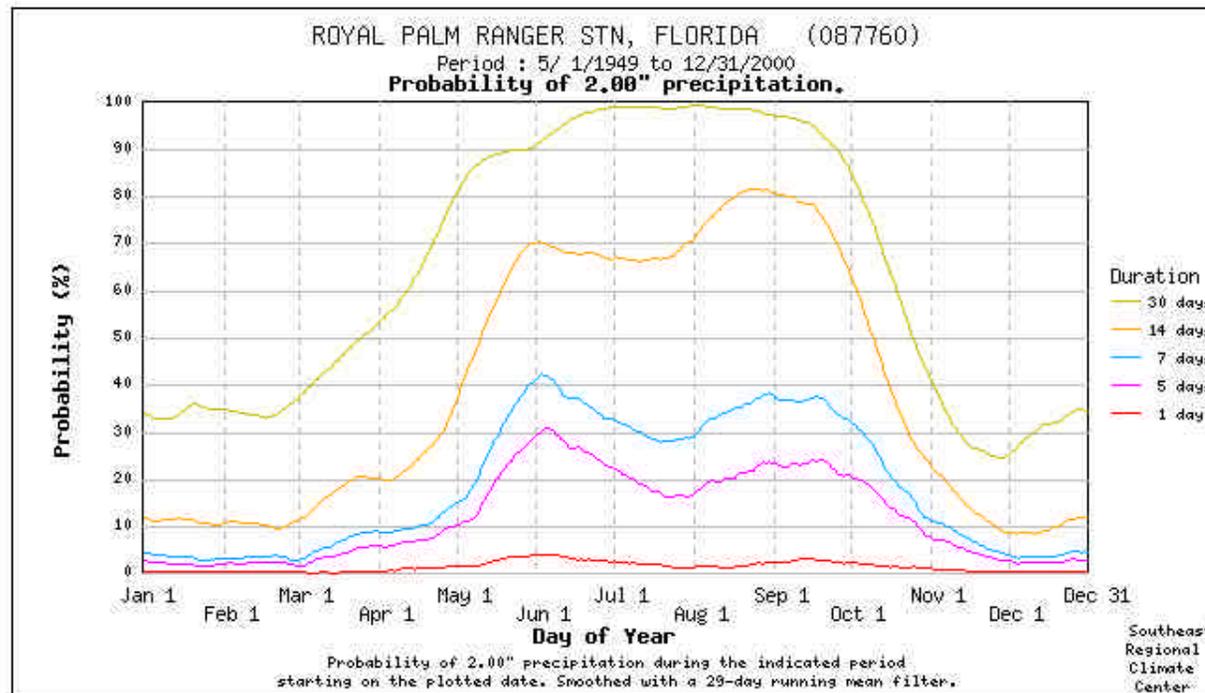
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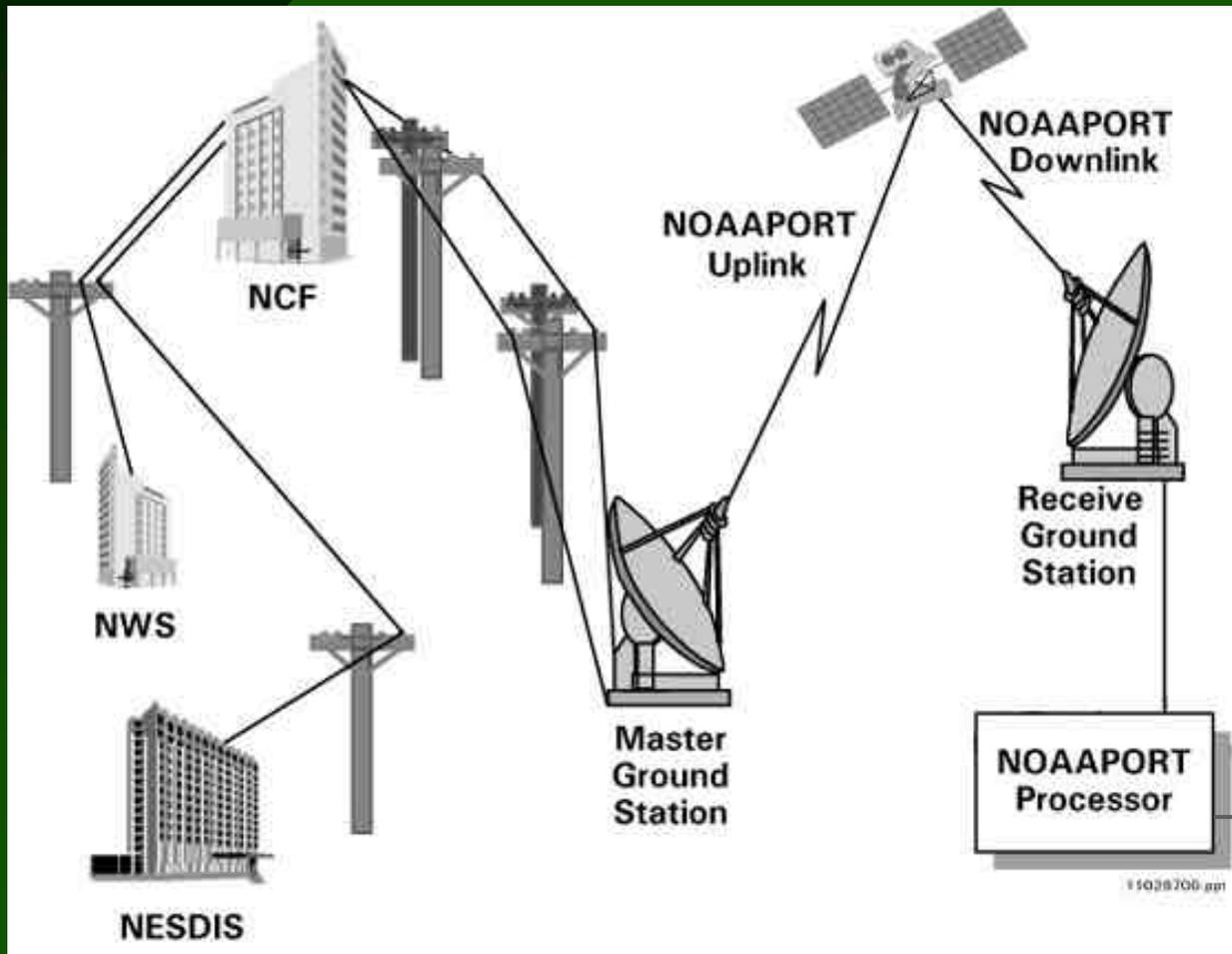
Precipitation Probability by Quantity



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Climate Data Transmission



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These databases are maintained by the [Southeast Regional Climate Center](#) of the [South Carolina Department of Natural Resources](#)



ATLANTA HARTSFIELD AP, GA (UCAN: 4216, COOP: 090451)

Date	Precip (In)	Max Temp (F)	Min Temp (F)	Mean Temp (F)	Cool Deg Days (F)	Heat Deg Days (F)
2002/10/15	0.00	68.00	57.00	62.50	.00	2.00
2002/10/16	1.96	57.00	51.00	54.00	.00	11.00
2002/10/17	0.05	66.00	49.00	57.50	.00	7.00
2002/10/18	0.00	64.00	44.00	54.00	.00	11.00
2002/10/19	0.00	68.00	45.00	56.50	.00	8.00
2002/10/20	0.00	71.00	49.00	60.00	.00	5.00
2002/10/21	0.22	73.00	56.00	64.50	.00	.00
2002/10/22	0.00	71.00	61.00	66.00	1.00	.00
2002/10/23	0.00	64.00	57.00	60.50	.00	4.00
2002/10/24	0.01	59.00	55.00	57.00	.00	8.00
2002/10/25	0.00	68.00	55.00	61.50	.00	3.00
2002/10/26	0.05	60.00	56.00	58.00	.00	7.00
2002/10/27	0.01	68.00	57.00	62.50	.00	2.00
2002/10/28	0.01	69.00	59.00	64.00	.00	1.00
2002/10/29	2.21	75.00	64.00	69.50	5.00	.00
2002/10/30	0.25	76.00	63.00	69.50	5.00	.00
2002/10/31	0.01	69.00	49.00	59.00	.00	6.00
2002/11/01	0.00	60.00	45.00	52.50	.00	12.00
2002/11/02	0.00	60.00	41.00	50.50	.00	14.00
2002/11/03	0.00	66.00	38.00	52.00	.00	13.00
2002/11/04	0.29	58.00	46.00	52.00	.00	13.00
2002/11/05	0.14	55.00	49.00	52.00	.00	13.00
2002/11/06	1.53	67.00	52.00	59.50	.00	5.00
2002/11/07	0.00	64.00	43.00	53.50	.00	11.00
2002/11/08	0.00	61.00	39.00	50.00	.00	15.00
Sum/Avg	6.74	65.48	51.20	58.34	11.00	171.00

Current Station:

 Current Network:

Monthly/Annual Climate Data Results

SUM of Daily Precipitation from 1980 to 2002

ATLANTA HARTSFIELD AP, GA (UCAN: 4216, COOP: 090451)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
1980	5.69	2.69	11.66	1.88	8.37	4.49	0.76	1.59	4.77	1.61	2.14	1.29	46.94
1981	0.84	6.62	3.93	2.06	3.89	2.69	2.74	2.76	5.27	3.01	1.85	6.25	41.91
1982	4.24	7.50	3.77	6.04	2.60	5.80	6.22	1.83	3.00	5.83	3.48	5.90	56.21
1983	3.09	4.69	6.76	5.01	1.42	1.52	0.74	2.13	7.56	1.97	7.46	9.27	51.62
1984	4.66	5.97	5.83	6.50	6.69	0.66	10.50	7.25	0.00	1.58	1.93	3.82	55.39
1985	3.21	5.88	1.45	3.16	4.69	2.01	9.95	4.57	2.63	5.36	3.65	2.64	49.20
1986	1.48	2.46	4.13	0.49	2.95	2.18	3.27	5.78	3.98	5.15	4.80	4.42	41.09
1987	5.64	4.34	7.23	1.16	2.74	6.15	5.91	2.87	3.00	0.72	2.36	4.13	46.25
1988	4.64	3.32	2.57	6.06	1.71	0.15	5.05	4.92	6.35	4.38	5.49	0.78	45.42
1989	3.00	3.43	4.72	4.49	7.17	9.34	7.55	2.23	7.41	5.94	3.97	3.79	63.04
1990	9.17	9.75	8.31	2.81	5.26	1.39	3.49	4.64	3.01	6.12	1.27	3.00	58.22
1991	4.70	3.10	6.98	5.25	7.38	9.99	5.76	4.43	2.03	0.39	3.19	2.69	55.89
1992	3.58	3.94	3.81	1.03	1.73	4.08	8.83	5.30	8.55	2.84	10.04	6.38	60.11
1993	3.94	4.43	5.42	3.08	4.47	6.41	3.05	2.96	3.91	3.83	4.01	2.54	48.05
1994	5.11	3.76	5.77	3.68	2.16	2.44	15.66	6.21	5.86	4.48	3.30	1.59	60.02
1995	3.36	5.10	4.30	2.96	1.75	3.58	1.37	5.82	2.52	10.88	7.56	3.20	52.40
1996	8.18	4.27	6.37	2.85	2.23	1.70	2.09	4.67	4.36	0.89	3.07	4.29	44.97
1997	5.65	5.86	4.25	4.28	2.55	4.43	4.89	1.43	4.83	4.41	4.03	5.06	51.67
1998	5.84	7.10	6.23	4.62	1.75	3.48	3.03	5.54	4.43	0.28	1.97	1.90	46.17
1999	4.41	2.86	2.92	1.56	4.43	5.73	3.53	1.26	4.19	2.41	3.36	2.21	38.87
2000	4.89	1.26	3.63	2.63	1.86	1.11	2.52	3.36	5.78	0.88	5.02	2.62	35.56
2001	2.77	3.60	9.08	3.30	2.93	7.00	2.61	0.79	2.43	0.79	0.55	2.54	38.39
2002	5.35	2.54	5.11	1.49	4.04	3.01	2.59	0.54	6.40	5.95	1.96	--	38.98
AVG	4.50	4.54	5.40	3.32	3.69	3.88	4.87	3.60	4.45	3.47	3.76	3.65	

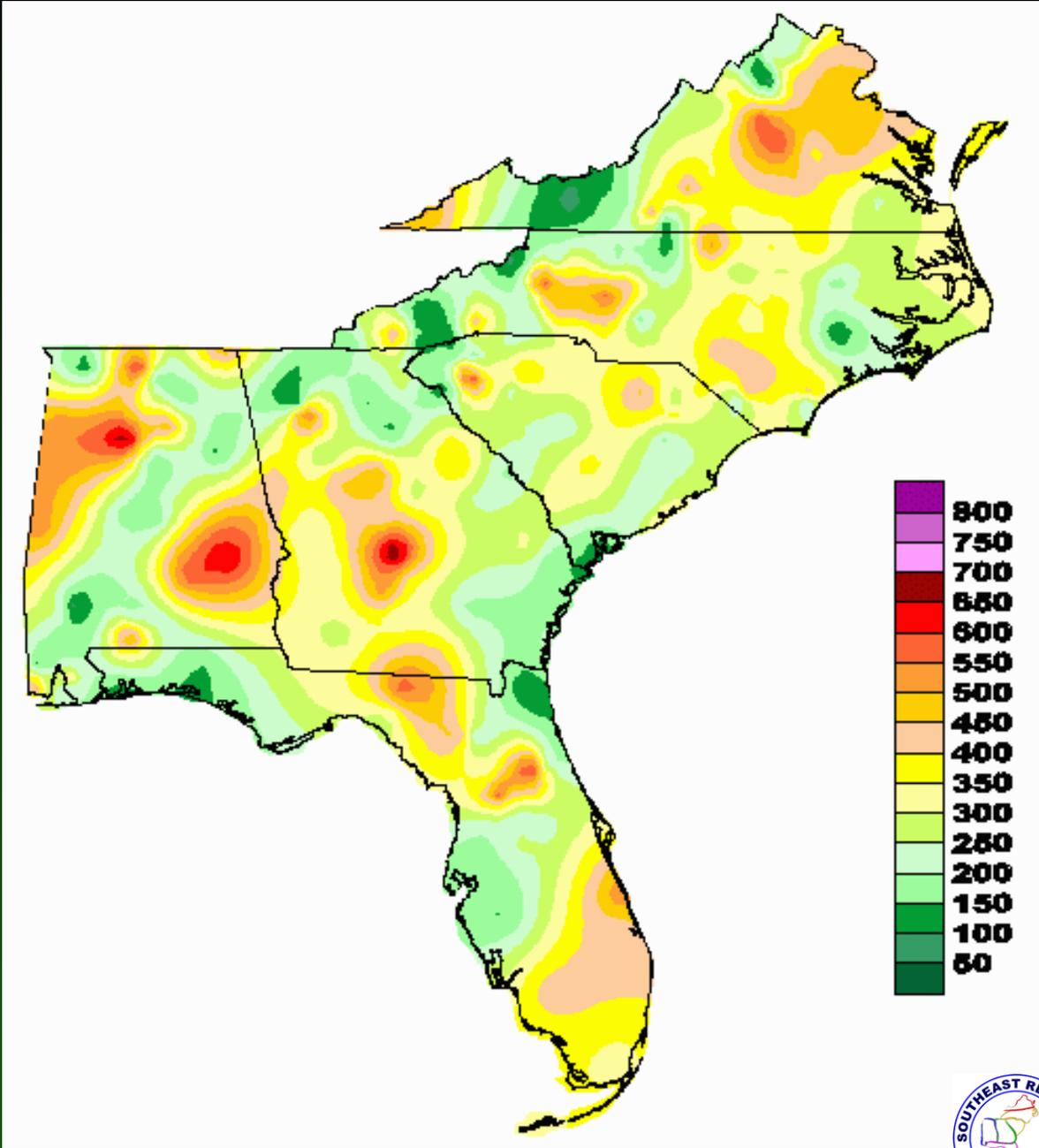
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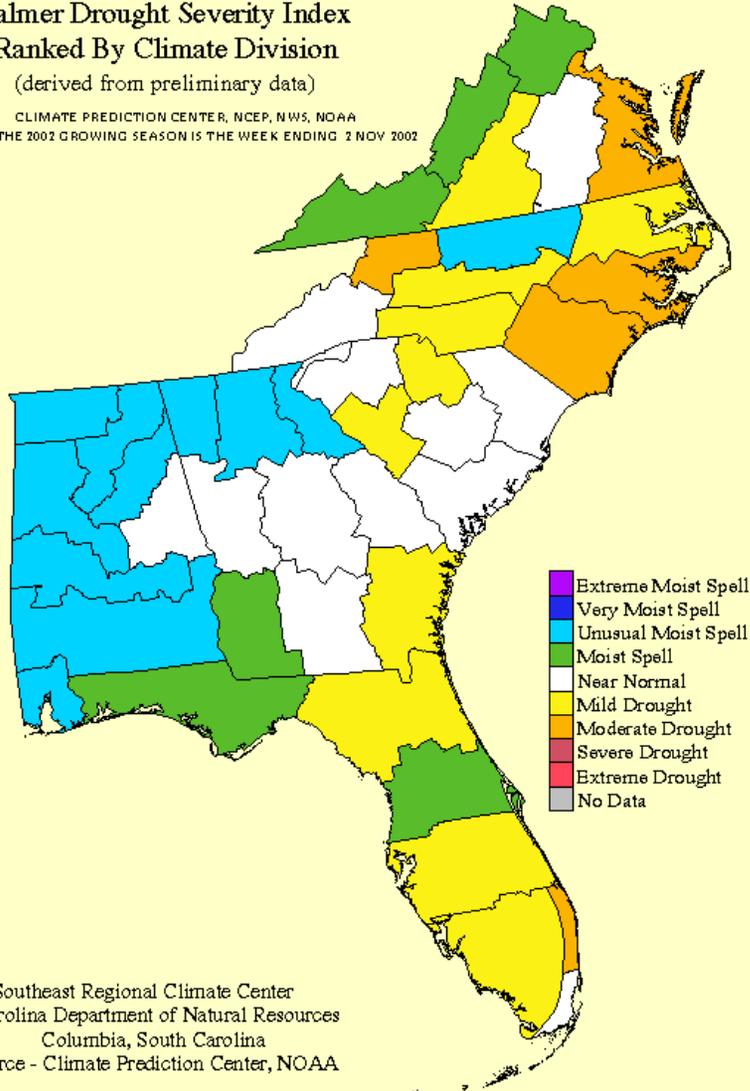
Keetch Byram Drought Index Week ending October 6, 2002



Palmer Drought Severity Index Ranked By Climate Division

(derived from preliminary data)

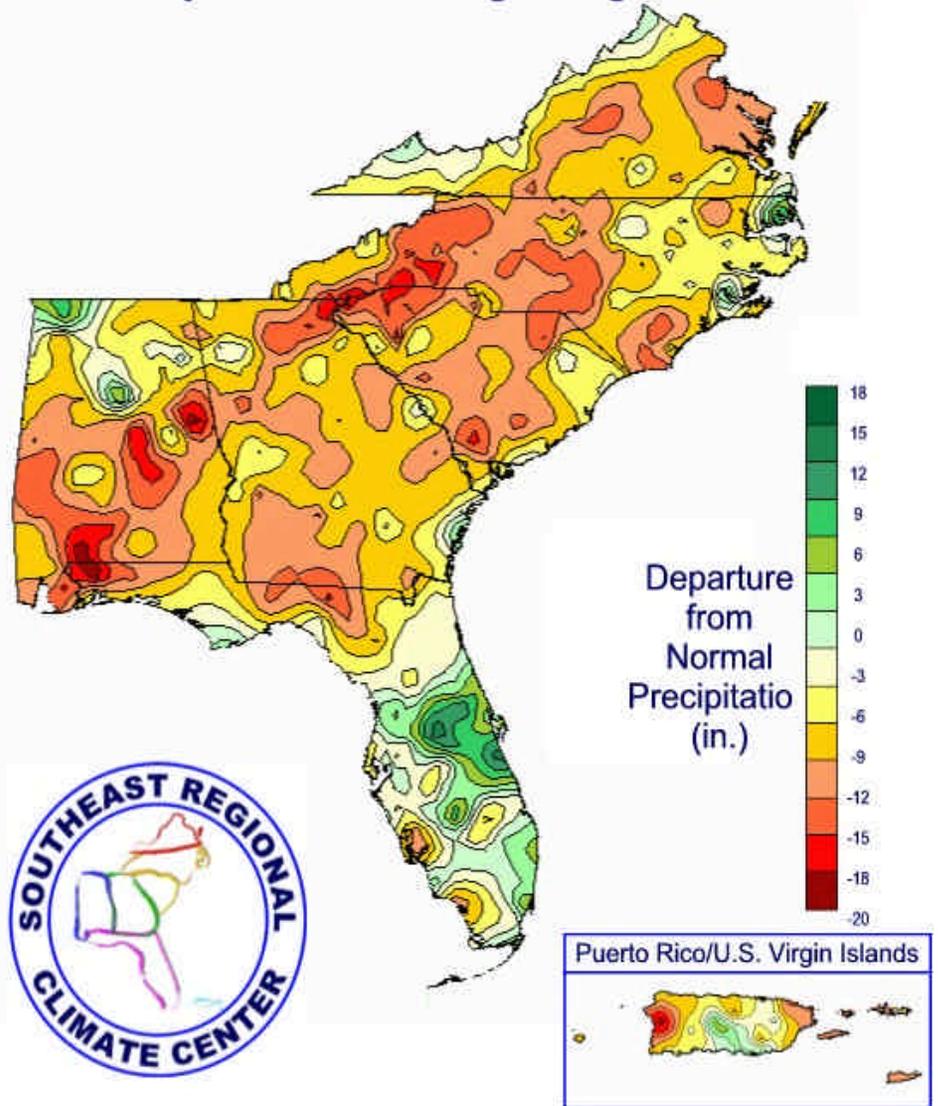
CLIMATE PREDICTION CENTER, NCEP, NWS, NOAA
WEEK 35 OF THE 2002 GROWING SEASON IS THE WEEK ENDING 2 NOV 2002



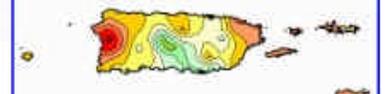
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Columbia, South Carolina
Data Source - Climate Prediction Center, NOAA

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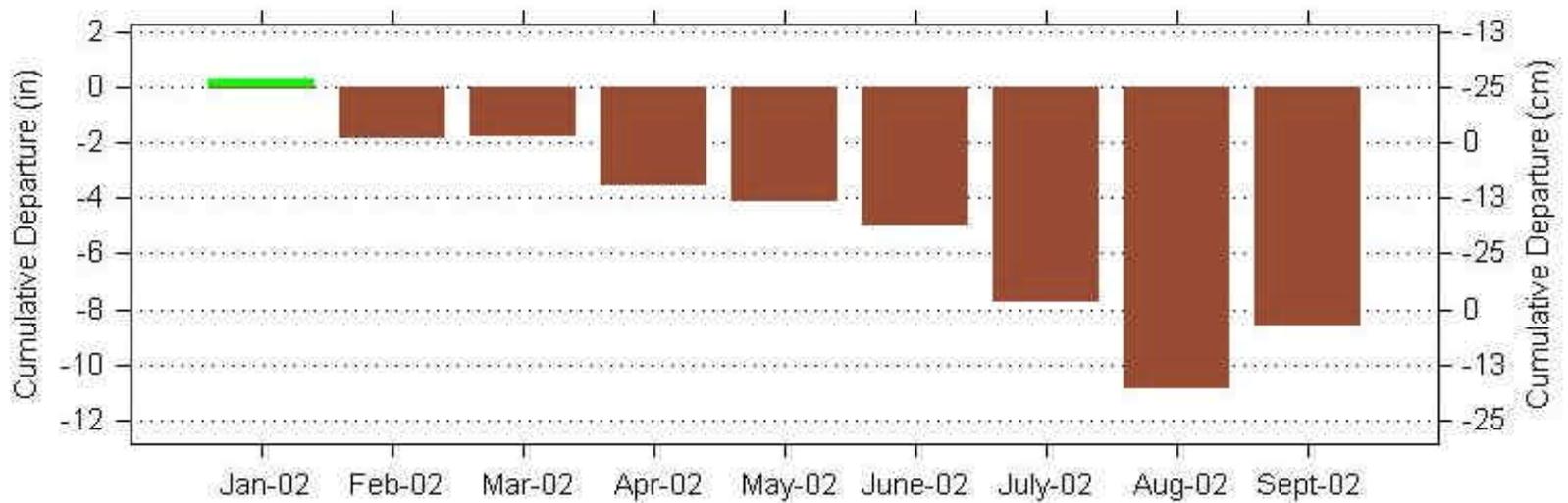
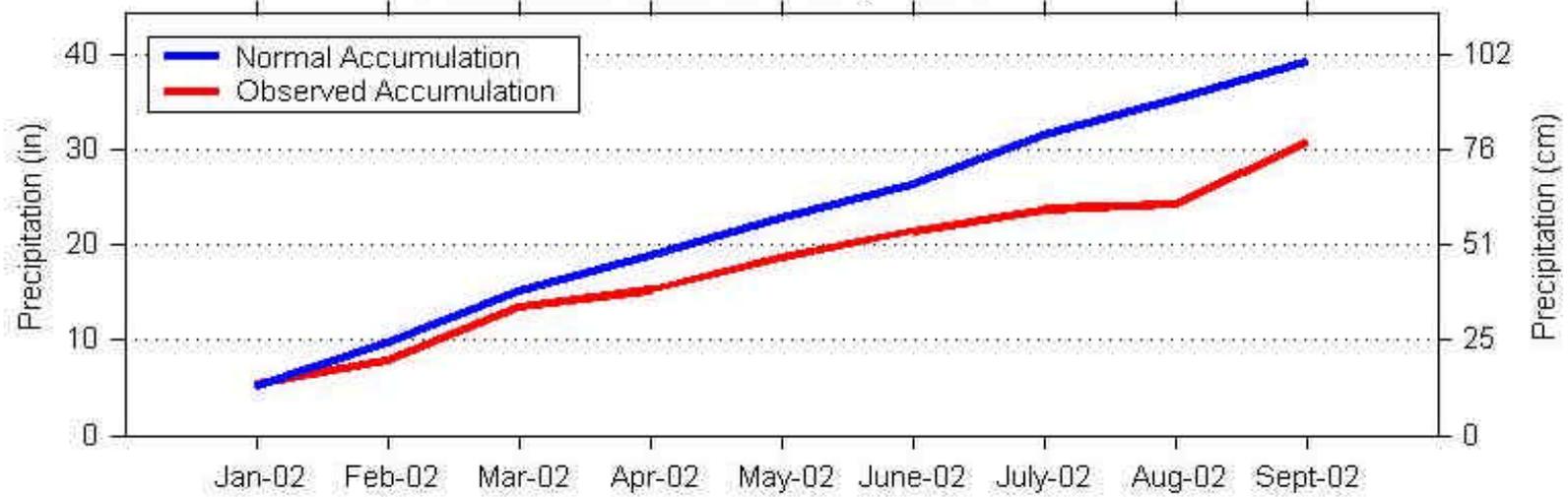
January 1, 2002 through August 31, 2002



Puerto Rico/U.S. Virgin Islands



Atlanta WSO AP, GA



How to contact the SERCC

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