PAGE #1 — SEPT 1998 — ANNANDALE (BARCROFT HILLS) LAT.38°50'25" N. LONG.77°09'58' W. STAT.# 737 KOONTZ

1 1998 SEPT	2 TEMP. MAX.	3 TEMP. MAX.	4 TEMP. MIN.	5 TEMP. MIN.	6 TEMP. RANGE	7 TEMP. MEAN	8 MEAN CHANGE	9 GROUND TEMP.	10 SKY AM	11 SKY PM	12 PRECIP MELTED	13 MAX.1HR PRECIP.	14 MAX.5M PRECIP.	15 FROZ. PRECIP.	16 SNOW ON GROUND	17 START TIME	18 END TIME
9-1-98	81	16:08	66	6:58	15	73.5	5.5	75	2	0							
9-2-98	85	14:38	69	4:04	16	77.0	3.5	75	1	0	T					0400	0405
9-3-98	83	15:59	63	6:57	20	73.0	-4.0	74	1	2							
9-4-98	85	15:45	67	23:58	18	76.0	3.0	74	1	0							
9-5-98	81	16:04	63	7:22	18	72.0	-4.0	73	0	0							
9-6-98	90	16:06	63	7:26	27	76.5	4.5	73	0	0							
9-7-98	90	12:59	70	7:01	20	80.0	3.5	74	1	2	0.13					2120	2400
9-8-98	71	0:01	58	23:59	13	64.5	-15.5	73	0	1	0.29	0.14	0.02			0001	0200
9-9-98	69	16:07	53	7:14	16	61.0	-3.5	71	0	1							
9-10-98	73	17:03	55	7:03	18	64.0	3.0	69	0	0							
9-11-98	79	16:39	56	5:38	23	67.5	3.5	68	0	0							
9-12-98	89	16:11	63	7:29	26	76.0	8.5	69	0	0							
9-13-98	87	16:13	71	7:12	16	79.0	3.0	70	1	0	T					0320	0322
9-14-98	88	16:09	67	7:02	21	77.5	-1.5	70	0	0							
9-15-98	88	16:13	69	6:44	19	78.5	1.0	71	1	1							
9-16-98	90	14:37	71	7:10	19	80.5	2.0	72	0	1							
9-17-98	85	15:12	71	23:59	14	78.0	-2.5	73	2	2	0.10	0.10	0.03			2015	2215
9-18-98	79	15:37	69	7:10	10	74.0	-4.0	73	2	2							
9-19-98	79	16:07	68	6:58	11	73.5	-0.5	73	2	2							
9-20-98	82	16:06	68	5:51	14	75.0	1.5	73	2	1							
9-21-98	87	15:50	68	6:42	19	77.5	2.5	73	1	1	0.07					1900	1935
9-22-98	81	13:51	67	23:59	14	74.0	-3.5	74	2	2	1.32	1.23	0.31			0020	0400
9-23-98	67	0:01	51	23:58	16	59.0	-15.0	72	0	0							
9-24-98	69	14:06	47	7:05	22	58.0	-1.0	69	0	0							
9-25-98	68	17:09	57	4:35	11	62.5	4.5	68	2	2	0.06	0.06	0.02			1055	1130
9-26-98	82	15:51	61	7:17	21	71.5	9.0	69	0	0							
9-27-98	89	15:48	67	7:19	22	78.0	6.5	70	0	0							
9-28-98	81	14:02	62	23:59	19	71.5	-6.5	70	0	0	0.01	0.01	0.01			0200	0315
9-29-98	74	14:05	54	7:36	20	64.0	-7.5	70	0	0							
9-30-98	81	14:28	65	0:36	16	73.0	9.0	69	1	0	0.06	0.06	0.02			0615	0710
TOT.	2433.0	18.1	1899.0	12.5	534.0	2166.0	5.0	2147.00	22.00	20.00	2.04	1.60	0.41	0.0	0.0		
NUMBER	30	30	30	30	30	30	30	30	30	30	8	6	6	0	0		
AVE.	81.10	14:30	63.30	10:00	17.80	72.20	0.17	71.57	0.73	0.67	0.26	0.27	0.07	0.00	0.00		
MAX.	90	17:09	71	23:59	27	80.5	9.0	CLEAR	15	17	1.32	1.23	0.31	0	0		
MIN.	67	0:01	47	0:36	10	58.0	-15.5	PT.CLO.	8	6	>1 INCH	MAX.	TEMPS	MAX.	TEMPS		
>EQUAL90°DAYS		3	< =32°	DAYS	0			CLOUDY	7	7	1	>=95	0	>=75	23		
DATE OF MAX. TEMP.	9-6-98 9-7-98 9-16-98	DATE OF MIN. TEMP.	9-24-98							DATE MAX. PREC.	9-22-98	>=90 >=85 >=80	3 12 20	>=70 >=65 >=60	26 30 30		

MAX. TEMPS.	
>=55	30
>=50	30
>=45	30
>=40	30

PAGE #2 SEPT 1998 ANNANDALE (BARCROFT HILLS) LAT.38°50'25" N.LONG.77°09'58' W. STAT.# 737 KOONTZ

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1998 SEPT	START TIME	END TIME	WIND DOT AVE	MAX. SUNRISE	MAX. SUNSET	MAX.RH. SUNRISE	MIN.RH. SUNSET	MAX. BAR.	MIN. BAR.	AVE. BAR.	BAR. CHANGE	BAR.& PREC.	MAP FEAT.	FEAT. LOC#	HP.LP TRACK	FRONT DIRCT.	FRONT INTEN.	FRONT PASS.
9-1-98			5	7	10	84	45	30.01	29.88	29.95	-0.02		9	OH	EAST			
9-2-98			5	8	14	100	49	29.80	29.71	29.76	-0.19	29.87	11			NW	WEAK	2000
9-3-98			2	7	9	100	46	29.95	29.84	29.90	0.14		9, 8	WVA	NORTH			
9-4-98			25	6	18	100	25	30.02	29.80	29.91	0.02		9					
9-5-98			33	9	21	85	26	30.23	30.02	30.13	0.22		9					
9-6-98			5	0	10	94	33	30.17	29.92	30.05	-0.08		9					
9-7-98			18	7	24	100	38	29.91	29.60	29.76	-0.29	29.65	11			NORTH	STRONG	2130
9-8-98			73	18	23	100	39	29.83	29.64	29.74	-0.02	29.64	9	MN	ESE			
9-9-98			78	18	25	85	37	30.06	29.95	30.01	0.27		9	WS	SE			
9-10-98			55	16	23	91	34	30.19	30.06	30.13	0.12		9	IN	SE			
9-11-98			20	9	16	93	29	30.17	29.99	30.08	-0.05		9	VA	SW			
9-12-98			25	8	19	79	20	30.03	29.88	29.96	-0.13		9	TN	STAT.			
9-13-98			18	11	9	74	42	30.05	29.86	29.96	0.00	29.98	9	TN	EAST			
9-14-98			8	5	11	100	47	30.16	30.07	30.12	0.16		9	NCC	EAST			
9-15-98			2	10	8	100	52	30.17	30.08	30.13	0.01		9					
9-16-98			7	5	12	100	39	30.14	30.03	30.09	-0.04		11			NORTH	WEAK	2300
9-17-98			4	7	8	100	62	30.08	30.02	30.05	-0.04	30.03	11			SOUTH	WEAK	
9-18-98			4	8	11	100	66	30.08	30.00	30.04	-0.01		24			SOUTH	WEAK	
9-19-98			3	8	9	100	68	30.05	29.95	30.00	-0.04		24			SOUTH	WEAK	
9-20-98			1	7	8	100	62	30.01	29.88	29.95	-0.05		9	VA	SE			
9-21-98	2115	2300	3	3	15	100	56	29.97	29.82	29.90	-0.05	29.85	11			NW	STRONG	
9-22-98			13	12	16	100	71	29.89	29.74	29.82	-0.08	29.87	11			NW	STRONG	1444
9-23-98			31	14	15	92	30	30.18	29.90	30.04	0.23		9	WI	SE			
9-24-98			8	0	12	100	37	30.24	30.12	30.18	0.14		9	NJ	NE			
9-25-98	1230	1350	0	0	6	100	75	30.15	30.08	30.12	-0.07	30.13	23			WEST	WEAK	1300
9-26-98			2	0	7	100	61	30.15	30.01	30.08	-0.04		9	SC	STAT.			
9-27-98			7	3	16	100	36	30.00	29.77	29.89	-0.20		9, 11	SC	STAT.	NW	WEAK	
9-28-98			37	20	16	100	45	30.00	29.80	29.90	0.02	29.80	11			NW	WEAK	0300
9-29-98			7	8	9	95	40	30.09	29.95	30.02	0.12		9	PA	EAST			
9-30-98			3	8	12	100	60	29.98	29.79	29.89	-0.14	29.90	24			SOUTH	WEAK	

TOT.	MIN.TEMPS.	502	242	412	2872	1370	901.76	897.16	899.46	-0.08	298.72	WEATHER FEATURES			DATES OF EXTREMES	
NUMBER	<=75 30	30	30	30	30	30	30	30	30	30	10	LOW PR.=	1		MAX.TEMP.	9-06-98
AVE.	<=70 27	16.73	8.07	13.73	95.73	45.67	30.06	29.91	29.98	0.00	29.87	HIGH PR.=	19		MAX.TEMP.	9-07-98
MAX.	<=65 15	78	20	25	100	75	30.24	30.12	30.18	0.27	30.13	ELONG HP.=	0		MIN.TEMP.	9-24-98
MIN.	<=60 8	0	0	6	74	20	29.80	29.60	29.74	-0.29	29.64	ALL HPS.=	19		MAX.PREC.	9-22-98
MEDIAN	<=55 5	7	8	12	100	44	30.06	29.91	30.00	-0.03	29.87	COLD FRO.=	8		MAX.AM WIND	9-28-98
	<=50 1	DATE	9-28-98	9-9-98		DATE	9-24-98	9-7-98				WARM FRO.=	0		MAX.PM WIND	9-09-98
	<=45 0	MAX.				MAX.						STAT. FRO.=	3		MAX. BAR.	9-24-98
	<=40 0	WIND				BAR.									MIN. BAR.	9-07-98

ANNANDALE (BARCROFT HILLS) LAT.38°50'25"N.LONG.77°09'58' W. STAT.# 737 KOONTZ

38 1998 SEPT	39 1998 REMARKS FOR THE MONTH OF SEPTEMBER
9-1-98	MUCH LOWER DEWPOINT TODAY - HURRICANE EARL IN THE GULF OF MEXICO
9-2-98	THUNDERSHOWER AT 0400
9-3-98	CIRRUS FROM HURRICANE EARL IN GA TRACKING NNE
9-4-98	
9-5-98	
9-6-98	
9-7-98	LIGHTNING BETWEEN 2100-2300
9-8-98	
9-9-98	
9-10-98	
9-11-98	
9-12-98	VERY WARM BUT LOW RELATIVE HUMIDITY AND BLUE SKIES
9-13-98	WARM FOR SEPT. AND EXTREMELY DRY CONDITIONS
9-14-98	SOME EARLY AM GROUND FOG
9-15-98	
9-16-98	
9-17-98	THUNDERSHOWER AND A WEAK LP. FORMED ON THE CF. TO OUR SE
9-18-98	
9-19-98	STATIONARY FRONT MOVED JUST A LITTLE TO THE NORTH AND BECAME WEAKER BUT STILL CAUSED THE CLOUDS
9-20-98	WEAK HP. OVER SOUTHERN VA GAVE CLEARING BY THE PM
9-21-98	LIGHT FOG IN THE EARLY AM
9-22-98	POWER WENT OFF@0134 UNTIL 0334 DURING A TSH. BUT NOT A STRONG STORM- MOST OF THE RAIN FROM 0230-330
9-23-98	
9-24-98	COOLEST SINCE MAY 14, 1998 AND SOME CIRRUS IN THE LATE AFTERNOON AROUND SUNSET
9-25-98	VERY CALM NIGHT- MOST OF THE LIGHT RAIN FELL BETWEEN 1300 AND 1340
9-26-98	
9-27-98	HURRICANE GEORGES CLOSE TO NEW ORLEANS
9-28-98	THUNDERSHOWER @ 0200
9-29-98	BLUE SKIES MOST OF THE DAY -NICE IN THE SHADE BUT TOO WARM IN THE SUN- SEPT WAS A WARM MONTH
9-30-98	AM THUNDER HEARD AROUND 630

SEPT SEPT. WAS NOTED FOR ITS WARMTH AND DRYNESS. THE 2.04 INS. PRECIP. WAS A DEP. OF -2.11 INS. AND LEAST REC. SINCE '90.
AVE. MIN. TEMP. OF 63.30 WAS NEW REC. HIGH MIN. AVE. FOR SEPT. THE MEAN AVE. WAS THE HIGHEST SINCE '80.
MEAN TEMP. WAS 5.1° ABOVE THE AVE. MEAN TEMP. FOR MONTH. 3 DAYS IN SEPT. WERE => 90° THE MOST SINCE '85 WHEN WE HAD 9 90° DAYS.
WE HAD 12 DAYS OF >= 85° WHICH AVERAGES 2.9 DAYS. DAILY AVE. TEMP. RANGE FOR SEPT. WAS 17.8 WHICH WAS HIGHEST SINCE '85.
IT WAS THE CLEAREST SEPT. SINCE '86 AND HAD 19 DAYS THAT WERE THE LOCAL WEATHER WAS CONTROLLED BY HP SYSTEMS ON THE SYNOPTIC MAP.
THE MIN. OF 47° ON SEPT. 24 WAS THE COOLEST SINCE MAY 14 '98 BUT WAS NOT THAT UNUSUAL AS THE DEP. WAS +2°.

ACON VA / NC / SC SEPT. 1998 SUMMARY

OBSERVER: LOWELL L. KOONTZ
ALL OBSERVATION TIMES: 2400

LOCATION: 6515 OAKWOOD DR., FALLS CHURCH VA 22041
ALTITUDE : 360 FEET

RECORDS OF TEMPERATURE AND PRECIPITATION SINCE SEPT. 1979

TEMPERATURE:

MEAN MAXIMUM	81.10
MEAN MINIMUM	63.30
MEAN MONTHLY	72.20
MAXIMUM	90
DATE(s) OF MAX.	6TH,7TH,16TH
MINIMUM	47
DATE(s) OF MIN.	9-24-98
# DAYS MAX. > = 90°	3
# MAX. < = 32°	0
MIN. < = 32°	0
MIN. < = 0°	0

NUMBER DAYS WITH:

THUNDER	5
HAIL	0
GLAZE	0
ICE PELLETS (SLEET)	0
DENSE FOG	0

WIND

MAX. GUST (MPH)	25
DATE	9-9-98

PRECIPITATION:

MONTH TOTAL	2.04
DAILY MAXIMUM	1.32
DATE OF MAX.	9-22-98
24-HR. PD. MAX.	1.39
DATE(s) OF MAX. PD.	21ST & 22ND
# DAYS > = 0.01"	8
# DAYS > = 1.00"	1
YR. TO DATE TOT.	40.19

SNOWFALL:

DAILY MAXIMUM	0.0
DATE OF MAX.	-
DAYS= > TRACE	0
DAYS > = 1.0"	0
MONTHLY TOTAL	0.0
PAST '97-'98 TOT.	4.3

BAROMETER

MAX.	30.24
MIN.	29.60

SEPT. REMARKS:

SEPT. WAS NOTED FOR ITS WARMTH AND DRYNESS.

THE 2.04 INS. PRECIP. WAS A DEP. OF -2.11 INS. AND LEAST REC. SINCE '90.
AVE. MIN. TEMP. OF 63.30 WAS NEW REC. HIGH MIN. AVE. FOR SEPT. THE MEAN AVE. WAS THE HIGHEST SINCE '80.
MEAN TEMP. WAS 5.1° ABOVE THE AVE. MEAN TEMP. FOR MONTH.
3 DAYS IN SEPT. WERE => 90° THE MOST SINCE '85 WHEN WE HAD 9 90° DAYS.
WE HAD 12 DAYS OF >= 85° (AVE. 2.9 DAYS). DAILY AVE. TEMP. RANGE FOR SEPT. WAS 17.8° (HIGHEST SINCE '85).
IT WAS THE CLEAREST SEPT. SINCE '86 AND HAD 19 DAYS THAT THE LOCAL WEATHER WAS CONTROLLED BY HP SYSTEMS ON THE SYNOPTIC MAP.
THE MIN. OF 47° ON SEPT. 24 WAS THE COOLEST SINCE MAY 14 '98 BUT WAS NOT THAT UNUSUAL AS THE DEP. WAS +2°.