PAGE #1		SEPT. 1997 BARCROFT HILLS STAT. LAT. 38°50'25" North LONG.77°09'58' West STAT. # 737 KOONTZ															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1997	TEMP.	HR.OF	TEMP.	HR.OF	TEMP.	TEMP.	MEAN	GROUND	SKY	SKY	PRECIP	MAX.1HR	MAX.5M	FROZ.	SNOW ON	START	END
SEPT.	MAX.	MAX.	MIN.	MIN.	RANGE	MEAN	CHANGE	TEMP.	AM	PM	MELTED	PRECIP.	PRECIP.	PRECIP.	GROUND	TIME	TIME
9/1/97	85	15:48	68	7:08	17	76.5	.-5	70	0	0							
9/2/97	87	14:23	69	5:02	18	78.0	1.5	71	1	0	0.19	0.19	0.04			1655	1740
9/3/97	72	9:47	57	23:40	15	64.5	-13.5	71	2	0	0.06	0.06	0.02			1005	1115
9/4/97	68	16:00	51	6:11	17	59.5	-5.0	68	0	0							
9/5/97	74	16:05	51	7:06	23	62.5	3.0	66	0	0							
9/6/97	74	17:11	54	6:54	20	64.0	1.5	66	2	1	T					1145	1200
9/7/97	83	16:05	58	7:09	25	70.5	6.5	67	0	0							
9/8/97	78	15:02	67	7:33	11	72.5	2.0	68	1	1	T					2155	2400
9/9/97	72	15:14	67	5:23	5	69.5	-3.0	68	2	2	0.05	0.05	0.01			0001	0055
9/10/97	79	14:38	68	3:48	11	73.5	4.0	69	2	2	0.63	0.32	0.16			0315	0330
9/11/97	75	16:03	63	22:42	12	69.0	-4.5	69	2	2	0.08	0.03	0.01			0001	0030
9/12/97	77	14:43	60	6:33	17	68.5	-0.5	69	0	1	0.04	0.04	0.01			2015	2110
9/13/97	74	15:04	59	6:55	15	66.5	-2.0	69	0	0							
9/14/97	76	13:51	59	5:18	17	67.5	1.0	68	1	1							
9/15/97	77	16:10	63	7:10	14	70.0	2.5	68	1	0							
9/16/97	79	16:07	60	7:17	19	69.5	-0.5	68	0	0							
9/17/97	81	16:05	61	7:20	20	71.0	1.5	67	0	1	T					2240	2300
9/18/97	77	16:08	61	23:59	16	69.0	-2.0	69	2	0	0.46	0.36	0.10			0115	0345
9/19/97	80	16:09	57	7:09	23	68.5	-0.5	68	0	0							
9/20/97	84	16:02	64	23:59	20	74.0	5.5	69	2	1	0.01	0.01	0.01			2150	2200
9/21/97	64	0:01	51	23:59	13	57.5	-16.5	68	1	0							
9/22/97	67	17:11	47	7:17	20	57.0	-0.5	65	0	1							
9/23/97	71	14:23	54	7:41	17	62.5	5.5	65	1	2							
9/24/97	61	14:57	50	23:58	11	55.5	-7.0	64	2	2							
9/25/97	68	14:43	48	1:36	20	58.0	2.5	64	2	2							
9/26/97	72	14:06	53	7:18	19	62.5	4.5	63	0	1							
9/27/97	71	15:58	53	4:10	18	62.0	-0.5	63	0	0							
9/28/97	66	23:12	60	0:15	6	63.0	1.0	63	2	2	0.81	0.06	0.36			1105	2400
9/29/97	74	16:05	59	23:59	15	66.5	3.5	64	0	0	0.11					0001	0410
9/30/97	72	12:35	59	3:26	13	65.5	-1.0	63	1	1							
TOT.	2238.0	18.7	1751.0	12.6	487.0	1994.5	-11.0	2010.0	27.0	23.0	2.44	1.12	0.72	0.0	0.0	MAX.	TEMPS
NUMBER	30	30	30	30	30	30	29	30	30	30	10	9	9	0	0	>=70	24
AVE.	74.60	14:59	58.37	6:07	16.23	66.48	-0.38	67.00	0.90	0.77	0.24	0.12	0.08	0.00	0.00	>=65	28
MAX.	87	15:45	69	10:00	25	78.0	6.5	CLEAR	13	14	0.81	0.36	0.36	0	0	>=60	30
MIN.	61	0:00	47	0:00	5	55.5	-16.5	PT.CLO.	7	9	◊◊◊◊	>=95	0	>=80	6	>=55	30
> EQUAL 90° DAYS		0	<=32°D	0	◊◊◊◊	◊◊◊◊	◊◊◊◊	CLOUDY	10	7	◊◊◊◊	>=85	2	>=75	14	>=50	30

PAGE#2		SEPT. 1997 BARCROFT HILLS STAT. LAT. 38°50'25"North LONG.77°09'58' West STAT. # 737 KOONTZ																
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1997	START	END	WIND	MAX.	MAX.	MAX.RH.	MIN.RH.	MAX.	MIN.	AVE.	BAR.	BAR.&	MAP	FEAT.	HP.LP	FRONT	FRONT	FRONT
SEPT.	TIME	TIME	DOT. AVE.	SUNRISE	SUNSET	SUNRISE	SUNSET	BAR.	BAR.	BAR.	CHANGE	PREC.	FEAT.	LOC#	TRACK	DIRCT.	INTEN.	PASS.
9/1/97			6	6		100	57	30.19	30.09	30.14	0.14		9	ON	EAST			
9/2/97			6	8	12	100	63	30.20	30.05	30.13	-0.02	30.08	9	VA	EAST			
9/3/97			34	6	13	100	46	30.09	29.94	30.02	-0.11	30.01	11			NW	STRONG	1130
9/4/97			41	9	21	81	32	30.14	30.04	30.09	0.07		9	MN	SE			
9/5/97			17	8	14	87	31	30.20	30.08	30.14	0.05		9	SE	SC			
9/6/97			1	4	6	98	58	30.14	30.08	30.11	-0.03	30.11	9	KY	SW			
9/7/97			8	6	14	100	47	30.03	29.90	29.97	-0.15		11			NORTH	WEAK	
9/8/97			16	8	10	100	64	29.95	29.90	29.93	-0.04	29.95	24			SOUTH	WEAK	0630
9/9/97			35	10	12	100	82	30.00	29.94	29.97	0.05	29.95	8, 21			SW	AVE.	1200
9/10/97	0620	0740	21	18	15	100	71	29.95	29.84	29.90	-0.07	29.93	8	OH	NE			
9/11/97	0830	0940	3	11	8	100	81	29.99	29.85	29.92	0.03	29.86	11			WEST	AVE.	1900
9/12/97			8	12	9	100	59	30.10	29.98	30.04	0.12	30.02	9	IN	EAST			
9/13/97			22	7	15	100	61	30.14	30.09	30.12	0.08		9	OH	EAST			
9/14/97			8	6	11	100	56	30.17	30.09	30.13	0.02		9	PA	EAST			
9/15/97			8	0	10	100	50	30.12	30.02	30.07	-0.06		9	VA	STAT			
9/16/97			9	10	9	100	49	30.08	29.98	30.03	-0.04		9	VA	STAT.			
9/17/97			6	0	12	100	59	30.02	29.89	29.96	-0.08		9, 11	VA	EAST	WEST	WEAK	
9/18/97			15	7	12	100	54	30.09	29.98	30.04	0.08	29.75	11, 9	OH	EAST	WEST	WEAK	1000
9/19/97			3	4	10	100	52	30.09	29.91	30.00	-0.04		9R	PA-FL	SOUTH			
9/20/97			22	5	11	100	66	30.11	29.92	30.02	0.02	29.94	11			NW	STRONG	2150
9/21/97			27	25	16	97	49	30.30	30.01	30.16	0.14		9	MN	SE			
9/22/97			8	6	11	100	49	30.35	30.18	30.27	0.11		9R	IL-DE	EAST			
9/23/97			22	7	17	100	58	30.17	30.01	30.09	-0.17		23, 11			NW	WEAK	
9/24/97			12	11	11	95	54	30.21	30.02	30.12	0.02		8	MS	ENE			
9/25/97			6	2	9	100	70	30.02	29.66	29.84	-0.28		8	NCC	EAST			
9/26/97			21	9	17	100	50	30.06	29.73	29.90	0.05		11, 9	WI	EAST			
9/27/97			22	10	16	100	54	30.15	30.05	30.10	0.21		9	NY	NE			
9/28/97			67	12	20	100	95	30.05	29.51	29.78	-0.32	29.94	8	SC	NE			
9/29/97			6	21	28	100	37	29.62	29.43	29.53	-0.26	29.50	8, 11	NJ	NE	WEST	WEAK	0900
9/30/97			15	12	21	82	47	29.80	29.51	29.66	0.13		8	PQ	NE			
TOT.	MIN.	TEMPS	495	260	390	2940	1701	902.53	897.68	900.11	-0.34	359.04	LOW	PR.=	7	◊◊◊	◊◊◊	◊◊◊
NUMBER	<=70	30	30	30	29	30	30	30	30	30	30	12	HIGH	PR.=	13	◊◊◊	◊◊◊	◊◊◊
AVE.	<=65	25	16.50	8.67	13.45	98.00	56.70	30.08	29.92	30.00	-0.01	29.92	H.P.	RIDGE	2	ALL	HPS.=	15
MAX.	<=60	20	67	25	28	100	95	30.35	30.18	30.27	0.21	30.11	COLD	FRO.=	6	◊◊◊	◊◊◊	◊◊◊
MIN.	<=55	10	1	0	6	81	31	29.62	29.43	29.53	-0.32	29.50	WARM	FRO.=	0	◊◊◊	◊◊◊	◊◊◊
MEDIAN	<=50	3	14	8	12	100	55	30.10	29.98	30.03	0.02	29.95	STAT.	FRO.=	1	◊◊◊	◊◊◊	◊◊◊

PAGE #3	SEPT. 1997 BARCROFT HILLS STAT. LAT. 38°50'25"North LONG.77°09'58' West STAT. # 737 KOONTZ
38	39
1997 SEPT.	**REMARKS FOR THE MONTH OF SEPTEMBER**
9/1/97	
9/2/97	EARLY MORNING MODERATE FOG -AFTERNOON THUNDERSTORM HEAVIEST CELL PASSED TO S
9/3/97	STRONG CF PASSED JUST BEFORE NOON - BEAUTIFUL AFTERNOON WITH BLUE SKIES 65.1 AT 11:27
9/4/97	BEAUTIFUL FALL LIKE DAY - LOWEST OVERNIGHT TEMP. SINCE JUNE 8, 1997
9/5/97	
9/6/97	SPRINKLES JUST BEFORE NOON
9/7/97	CLOUDS CAME IN AROUND 1800 CF PASSED AND BECAME STATIONARY
9/8/97	STATIONARY FRONT OVER AREA OR A LITTLE TO THE S AT 0630
9/9/97	
9/10/97	3RD RAIN PD 1530-1540 A THUNDERSHOWER 4TH RAIN PD 2310-2400 THUNDERSHOWER
9/11/97	SLOW CF , RAIN PD. FROM 1150-1215
9/12/97	
9/13/97	
9/14/97	
9/15/97	
9/16/97	
9/17/97	PM CIRRUS CLOUDS
9/18/97	ONE LIGHTNING FLASH AROUND 0230 AND A LIGHT AM FOG
9/19/97	
9/20/97	
9/21/97	BEAUTIFUL BLUE SKY AND 1ST REALLY FALL LIKE DAY
9/22/97	COLDEST SINCE MAY 29, 1997 - MANY CIRRUS IN THE PM
9/23/97	TROUGH PASSED ABT. 1700 AND THE CF PASSED AT ABOUT 0545 ON THE 24TH
9/24/97	
9/25/97	HP. TO THE NORTH KEEPING RAIN TO THE SOUTH
9/26/97	WEAK FRONT PASSED @ ABOUT 0700 BUT MORE OF JUST A WIND SHIFT
9/27/97	
9/28/97	DRIZZLE FROM 1845 TO 2100 -MOST RAIN SINCE AUG. 20TH
9/29/97	LOWEST RELATIVE HUMIDITY SINCE SEPT. 6TH, MAX. WIND FOR THE MONTH, LOWEST BAR.
9/30/97	
1997	SEPT NOTED FOR ITS DRY CONDS. WITH ONLY 2.44 INCHES A DEPARTURE OF -1.89 INCHES & TEMP. NEAR AVE, TO A LITTLE BELOW AVE. DEP. -0.2°
SEPT.	SEPT. HAD CLEAREST SKIES SINCE '94 THAT HELPED GIVE AN AVE. TEMP. RANGE OF 16.23° DEP. OF +0.5F
REMARKS	THE 29.43 BAR. ON 29TH WAS LOWEST BAR. FOR SEPT. SINCE '85
◊◊◊◊◊	THE 28MPH WIND ON 29TH WAS THE SECOND HIGHEST RECORDED IN LAST 12 YRS. THE 17YR.REC.FOR SEPT. WAS 35MPH RECORDED JUST LAST YR.
◊◊◊◊◊	THERE WERE ONLY 4 DAYS IN WHICH THUNDER OR LIGHTNING WAS REC. THUS ENDING A SUMMER WITH A NOTABLE SHORTAGE OF
◊◊◊◊◊	THUNDERSTORMS

ACON VA / NC / SC SEPT. 1997 SUMMARY

OBSERVER: LOWELL L. KOONTZ

ALL OBSERVATION TIMES: 2400

LOCATION: 6515 OAKWOOD DR., FALLS CHURCH VA 22041

ALTITUDE : 360 FEET

TEMPERATURE:

MEAN MAXIMUM	74.60
MEAN MINIMUM	58.37
MEAN MONTHLY	66.48
MAXIMUM	87
DATE(s) OF MAX.	9/2/97
MINIMUM	47
DATE(s) OF MIN.	9/22/97
# DAYS MAX. >= 90°	0
# MAX. <= 32°	0
MIN. <= 32°	0
MIN. <= 0°	0

NUMBER DAYS WITH:

THUNDER	4
HAIL	0
GLAZE	0
ICE PELLETS (SLEET)	0
DENSE FOG	0

WIND

MAX. GUST (MPH)	28
DIRECT. OF GUST	WSW
DATE	9/29/97

PRECIPITATION:

MONTH TOTAL	2.44
DAILY MAXIMUM	0.81
DATE OF MAX.	9/28/97
24-HR. PD. MAX.	0.92
DATE(s) OF MAX. PD.	28TH & 29TH
# DAYS > = 0.01"	10
# DAYS > = 1.00"	0
YR. TO DATE TOT.	26.15

SNOWFALL:

DAILY MAXIMUM	0.0
DATE OF MAX.	-
DAYS= > TRACE	0
DAYS > = 1.0"	0
MONTHLY TOTAL	0.0
PAST '96-'97 TOT.	

BAROMETER

MAX.	30.35
MIN.	29.43

SEPT. REMARKS:

SEPT NOTED FOR ITS LACK OF RAIN ONLY 2.44 A DEP. -1.89 & TEMP.NEAR AVE. TO A LITTLE BELOW AVE. DEP. -0.2°
SEPT. HAD CLEAREST SKIES SINCE 1994 THAT HELPED GIVE AN AVE.TEMP.RANGE OF 16.23° DEP. +0.5F
THE 29.43 BAR. ON 29TH WAS LOWEST BAR. FOR SEPT. SINCE '85 WHEN IT WAS 29.40 INCHES
28MPH WIND ON 29TH WAS THE 2ND HIGHEST REC.IN LAST 12YRS(17YR.REC.FOR SEPT 35MPH REC. JUST LAST YR.)
THERE WERE ONLY 4 DAYS IN WHICH THUNDER OR LIGHTNING WAS RECORDED ENDING A SUMMER WITH A NOTABLE SHORTAGE OF THUNDERSTORMS