PAGE #1	OCT. 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 OCT.	TEMP. MAX.	HR.OF MAX.	TEMP. MIN.	HR.OF MIN.	TEMP. RANGE	TEMP. MEAN	MEAN CHANGE	GROUND TEMP.	SKY AM	SKY PM	PRECIP MELTED	MAX.1HR PRECIP.	MAX.5M PRECIP.	FROZ. PRECIP.	SNOW ON GROUND	START TIME	END TIME
10/1/97	65	15:11	48	23:59	17	56.5	-9.0	63	2	1	T					1145	1150
10/2/97	59	14:00	39	7:28	20	49.0	-7.5	61	0	0							
10/3/97	67	15:39	44	7:23	23	55.5	6.5	59	1	1							
10/4/97	75	13:57	55	7:38	20	65.0	9.5	61	0	0							
10/5/97	81	15:51	58	6:56	23	69.5	4.5	61	0	0							
10/6/97	83	13:50	63	7:38	20	73.0	3.5	62	0	0							
10/7/97	81	13:54	62	7:36	19	71.5	-1.5	63	0	0							
10/8/97	78	13:55	60	7:12	18	69.0	-2.5	63	0	0							
10/9/97	79	15:24	61	6:37	18	70.0	1.0	63	0	1							
10/10/97	80	15:19	61	23:59	19	70.5	0.5	64	1	1	T					0825	0830
10/11/97	68	13:51	51	7:41	17	59.5	-11.0	63	0	0							
10/12/97	67	13:56	47	7:33	20	57.0	-2.5	62	0	1							
10/13/97	73	15:02	52	6:49	21	62.5	5.5	61	1	0							
10/14/97	76	14:40	55	23:59	21	65.5	3.0	61	1	1	0.01	0.01	T			2310	2400
10/15/97	61	15:42	48	23:25	13	54.5	-11.0	62	2	2	0.21	0.07	0.01			0001	0740
10/16/97	60	15:52	48	0:01	12	54.0	-0.5	60	2	1							
10/17/97	53	0:01	47	11:42	6	50.0	-4.0	60	2	2	1.20	0.20	0.02			0600	0740
10/18/97	56	16:31	48	3:16	8	52.0	2.0	58	2	2	0.63	0.26	0.03			0001	0415
10/19/97	56	15:21	45	23:42	11	50.5	-1.5	58	2	2	T						
10/20/97	63	14:51	45	1:38	18	54.0	3.5	58	0	0							
10/21/97	56	16:16	39	7:58	17	47.5	-6.5	57	0	0	T						
10/22/97	49	15:06	37	23:59	12	43.0	-4.5	56	0	1							
10/23/97	49	16:35	30	7:02	19	39.5	-3.5	54	0	0							
10/24/97	53	15:40	36	6:57	17	44.5	5.0	53	1	2	0.31	0.20	0.05			1650	1900
10/25/97	57	15:10	47	23:58	10	52.0	7.5	54	2	2	0.45	0.19	0.04			0001	1330
10/26/97	49	23:59	44	3:39	5	46.5	-5.5	54	2	2	0.84	0.13	0.03			0830	1950
10/27/97	56	12:10	43	23:56	13	49.5	3.0	54	2	1							
10/28/97	48	14:59	36	22:40	12	42.0	-7.5	53	0	0							
10/29/97	55	14:13	33	3:47	22	44.0	2.0	52	1	0							
10/30/97	60	14:35	38	5:01	22	49.0	5.0	51	0	0							
10/31/97	61	15:27	39	7:06	22	50.0	1.0	51	0	1	0.04	0.03	0.01			2025	2030
TOT.	1974.0	19.04	1459.0	14.7	515.0	1716.5	-15.5	1812.0	24.00	24.00	3.69	1.09	0.19	0.0	0.0	MAX.	TEMPS
NUMBER	31	31	31	31	31	31	31	31	31	31	8	8	7	0	0	>=70	9
AVE.	63.68	14:44	47.06	6:07	16.61	55.37	-0.50	58.45	0.77	0.77	0.46	0.14	0.03	0.00	0.00	>=65	13
MAX.	83	23:59	63	23:59	23	73.0	9.5	CLEAR	16	14	1.20	0.26	0.05	0	0	>=60	18
MIN.	48	0:01	30	0:01	5	39.5	-11.0	PT.CLO.	6	10	◊◊◊◊	>=95	0	>=80	4	>=55	25
> EQUAL 90° DAYS		0	<=32°D	1	◊◊◊◊	◊◊◊◊	◊◊◊◊	CLOUDY	9	7	◊◊◊◊	>=85	0	>=75	8	>=50	27
DATE OF MAX. TEMP.	10-6-97	DATE OF MIN. TEMP.	10-23-97							DATE MAX. PREC.	10-17-97						

PAGE#2 OCT. 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 OCT.	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.
10/1/97			26	18	25	98	44	30.10	29.79	29.95	-0.55		11			NORTH	WEAK	NOON
10/2/97			5	14	11	100	40	30.20	30.08	30.14	0.20		9	OH	SE			
10/3/97			5	0	11	100	55	30.11	29.98	30.05	-0.09		9	VA	SE			
10/4/97			1	8	7	100	54	30.10	30.01	30.06	0.01		9	NC	STAT.			
10/5/97			3	0	10	100	55	30.14	30.03	30.09	0.03		9	SC	STAT.			
10/6/97			12	8	17	100	47	30.19	30.07	30.13	0.05		9	NC	STAT			
10/7/97			4	5	8	100	61	30.23	30.12	30.18	0.04		9	NC	STAT.			
10/8/97			2	2	9	100	50	30.32	30.22	30.27	0.09		24			NORTH	WEAK	
10/9/97			4	10	8	100	68	30.33	30.21	30.27	0.00		9R	MAC-NCC	EAST			
10/10/97			10	8	17	100	58	30.27	30.17	30.22	-0.05		11			NW	WEAK	0900
10/11/97			13	8	10	100	45	30.36	30.25	30.31	0.09		9	NY	EAST			
10/12/97			5	5	7	100	62	30.37	30.23	30.30	0.00		9	NJC	EAST			
10/13/97			6	13	11	100	68	30.28	30.13	30.21	-0.10		9	NJC	EAST			
10/14/97			27	11	16	100	56	30.18	30.06	30.12	-0.09	30.18	11			WEST	STRONG	1630
10/15/97			34	21	13	100	56	30.26	30.18	30.22	0.10		24			EAST	STRONG	
10/16/97			25	11	11	100	55	30.27	30.18	30.23	0.01		24			EAST	STRONG	
10/17/97	1030	2400	13	6	7	100	73	30.21	30.15	30.18	-0.05	30.20	24			EAST	STRONG	
10/18/97			7	8	9	100	87	30.16	30.04	30.10	-0.08	30.13	24, 8	NCC	NE	EAST	AVE.	
10/19/97			6	9	12	100	70	30.04	29.86	29.95	-0.15	29.92	8	NCC	NE	EAST	AVE.	
10/20/97			17	9	27	100	50	30.03	29.88	29.96	0.00		11, 8	NJC	NE	WNW	WEAK	0400
10/21/97			5	12	12	100	47	30.12	29.92	30.02	0.07		9	KY	SOUTH			
10/22/97			19	13	21	100	39	30.12	29.92	30.02	0.00		9R	ON-MO	SE			
10/23/97			4	11	14	89	36	30.19	30.08	30.14	0.11		9R	VA-AL	SE			
10/24/97	2025	2400	0	9	7	100	65	30.13	29.88	30.01	-0.13	30.09	8	TX	ENE			
10/25/97			5	11	13	100	86	30.13	29.84	29.99	-0.02	29.88	8	NCC	NE			
10/26/97	2130	2210	2	9	13	100	94	30.18	29.63	29.91	-0.08	30.17	8, 26	MO	ENE	WEST	AVE.	1130
10/27/97			14	7	26	100	58	29.88	29.55	29.72	-0.19		8	NY	NE			
10/28/97			14	26	25	66	45	30.14	29.88	30.01	0.29		9	MS	ESE			
10/29/97			0	0	8	100	39	30.18	30.08	30.13	0.12		9R	AL-NC	STAT.			
10/30/97			0	3	8	100	49	30.23	30.16	30.20	0.07		9R	NC-VAC	NE			
10/31/97	2130	2330	0	7	8	100	66	30.19	29.99	30.09	-0.11		8	OK	SE			
TOT.	MIN.	TEMPS	288	282	401	3053	1778	935.64	930.57	933.11	-0.41	210.57	LOW PR.=		7	◊◊◊	◊◊◊	◊◊◊
NUMBER	<=70	31	31	31	31	31	31	31	31	31	31	7	HIGH PR.=		11	◊◊◊	◊◊◊	◊◊◊
AVE.	<=65	31	9.29	9.10	12.94	98.48	57.35	30.18	30.02	30.10	-0.01	30.08	H.P. RIDGE		0	ALL	HPS.=	16
MAX.	<=60	27	34	26	27	100	94	30.37	30.25	30.31	0.29	30.20	COLD FRO.=		4	◊◊◊	◊◊◊	◊◊◊
MIN.	<=55	25	0	0	7	66	36	29.88	29.55	29.72	-0.55	29.88	WARM FRO.=		0	◊◊◊	◊◊◊	◊◊◊
MEDIAN	<=50	21	5	9	11	100	55	30.18	30.06	30.12	0.00	30.13	STAT. FRO.=		5	◊◊◊	◊◊◊	◊◊◊

	DATE MAX. WIND	10-20-97

PAGE #3	OCT. 1997 BARCROFT HILLS STAT. LAT. 38°50'25"North LONG.77°09'58' West STAT. # 737 KOONTZ
38	39
1997 OCT.	**REMARKS FOR THE MONTH OF OCTOBER**
10/1/97	SPRINKLE WITH COLD FRONT PASSAGE
10/2/97	
10/3/97	
10/4/97	
10/5/97	VERY WARM FOR OCTOBER
10/6/97	
10/7/97	
10/8/97	STAT. BECAME A WEAK WARM FRONT AND PUSHED NORTHWARD
10/9/97	
10/10/97	
10/11/97	
10/12/97	CIRRUS CLOUDS IN THE PM
10/13/97	
10/14/97	
10/15/97	CF. BECAME ALMOST STAT. TO THE EAST AFTER PASSAGE
10/16/97	FRONT STAT. TO EAST NOW
10/17/97	LP. FROM ON STATIONARY FRONT TO OUR SOUTH AND MOVED NE. UP THE FRONT
10/18/97	
10/19/97	
10/20/97	CLOUDED UP ABOUT 1630-FEW DROPS OF RAIN AT 1730-1740
10/21/97	
10/22/97	
10/23/97	ELONGATED HP AT 0700 FROM VA TO AL - COLDEST DAY OF MONTH- TOMATOES WERE KILLED EXCEPT NEXT TO HOUSE
10/24/97	EXTREMELY CALM NIGHT NO WIND AND LITTLE WIND DURING DAY
10/25/97	AM FOG
10/26/97	EXTREMELY CLOUDY DAY ONLY .010 KW PER SQUARE METER FOR DAY
10/27/97	
10/28/97	
10/29/97	ELONGATED HP AT 0700 FROM AL TO NC
10/30/97	
10/31/97	
1997	OCT. WAS A TURN AROUND MONTH IN BOTH TEMP. & PRECIP. WHEN AVERAGED APPEARS TO BE A "NORMAL" MONTH
OCT.	THE 83° MAX. ON THE 6TH WAS THE HIGHEST MAX. HERE IN OCT. SINCE '86 AND THE 30° MIN. ON THE 23RD WAS THE LOWEST SINCE '92
REMARKS	ON PRECIP. WE HAD 0.22 INCHES UNTIL THE 16TH AND 3.47 THE LAST 15 DAYS A REAL TURN AROUND THE TWO KEY FACTORS OF HIGH INTEREST
◊◊◊◊◊	IT WAS THE FIRST TIME SINCE 1985 WE HAD FOUR >=80° MAX. TEMP. DAYS- BUT WE HAD THE EARLIEST OCT. FROST SINCE '92
◊◊◊◊◊	THE 3.69 INCHES OF RAIN WAS A DEP. OF +.04 BASED ON THE LAST 12 YEARS BUT A DEP. OF -0.16 BASED ON 16 YEARS
◊◊◊◊◊	DRY YEAR-THIS WAS THE FIRST MONTH SINCE MARCH OF 1997 THAT THE PRECIP. WAS SO CLOSE TO AVERAGE- & WETTEST MONTH SINCE MARCH

ACON VA / NC / SC OCT 1997 SUMMARY

OBSERVER: LOWELL L. KOONTZ

ALL OBSERVATION TIMES: 2400

LOCATION: 6515 OAKWOOD DR., FALLS CHURCH VA 22041

ALTITUDE : 360 FEET

TEMPERATURE:

MEAN MAXIMUM	63.68
MEAN MINIMUM	47.06
MEAN MONTHLY	55.37
MAXIMUM	83
DATE(s) OF MAX.	10-6-97
MINIMUM	30
DATE(s) OF MIN.	10-23-97
# DAYS MAX. > = 90°	0
# MAX. < = 32°	0
MIN. < = 32°	1
MIN. < = 0°	0

NUMBER DAYS WITH:

THUNDER	0
HAIL	0
GLAZE	0
ICE PELLETS (SLEET)	0
DENSE FOG	1

WIND

MAX. GUST (MPH)	27
DIRECT. OF GUST	WSW
DATE	10-20-97

PRECIPITATION:

MONTH TOTAL	3.69
DAILY MAXIMUM	1.20
DATE OF MAX.	10-17-97
24-HR. PD. MAX.	1.83
DATE(s) OF MAX. PD.	17TH & 18TH
# DAYS > = 0.01"	8
# DAYS > = 1.00"	1
YR. TO DATE TOT.	29.84

SNOWFALL:

DAILY MAXIMUM	0.0
DATE OF MAX.	-
DAYS= > TRACE	0
DAYS > = 1.0"	0
MONTHLY TOTAL	0.0
PAST '96-'97 TOT.	12.7

BAROMETER

MAX.	30.37
MIN.	29.55

1997 OCTOBER REMARKS:

OCT. WAS A TURN AROUND MONTH IN BOTH TEMP. & PRECIP. WHEN AVE. APPEARS TO BE A "NORMAL" MONTH
83° MAX.ON 6TH-THE HIGHEST MAX.HERE IN OCT.SINCE'86 & THE 30°MIN.ON THE 23RD WAS THE LOWEST SINCE '92
PRECIP. WE HAD 0.22 INCHES UNTIL THE 16TH & 3.47 THE LAST 15 DAYS A REAL TURN AROUND
THE FIRST TIME SINCE 1985 WE HAD FOUR >=80° MAX.TEMP.DAYS- BUT WE HAD THE EARLIEST OCT.FROST SINCE '92
THE 3.69 INCHES OF RAIN WAS A DEP. OF +.04 BASED ON THE LAST 12 YEARS BUT A DEP. OF -0.16 BASED ON 16 YEARS
DRY YR-OCT.FIRST MONTH SINCE MAR.'97 THAT THE PRECIP.WAS SO CLOSE TO AVE.- & WETTEST MONTH SINCE MAR.

YEAR	1997
JAN	3.20
FEB	2.57
MAR	4.97
APR	2.60
MAY	3.10
JUN	2.59
JUL	1.82
AUG	2.86
SEPT	2.44
OCT	3.69
NOV	
DEC	
TOTAL	29.84