MAY 1995
FLAGSTAFF, AZ
PULLIAM AIRPORT

LOCAL CLIMATOLOGICAL DATA

published by: National Climatic Data Center

LATITUDE: 35° 08′ N LONGITUDE: 111° 40′ W ELEVATION (GROUND): 7006 FEET TIME ZONE: MOUNTAIN STANDARD

ISSN # 0198-0467
WBAN # 03103

DATE	TEMPERATURE °F MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	DEG DAYS BASE 65° HEATING	COOLING	SIGNIFICANT WEATHER	SNOW/ICE ON GND (IN) 0500 LST DEPTH	1100 LST WATER EQUIV	PRECIPITATION (INCHES) 0500 LST SNOW-FALL	WATER EQUIV	PRESSURE (INCHES OF HG) AVERAGE STATION	AVERAGE SEA LEVEL	WIND SPEED = MPH DIR = TENS OF DEGREES RESULTANT WIND SPEED	RES DIR	AVERAGE SPEED	MAXIMUM 5-SEC SPEED	DIR	MAXIMUM 2-MIN SPEED	DIR	SUNSHINE TOTAL MINUTES	PERCENT POSSIBLE	CLOUDINESS SR-SS CEILOMETER TENTHS	SATELLITE TENTHS	MN-MN CEILOMETER TENTHS	SATELLITE TENTHS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
01	62	33	48	2	36	43	17	0		0		0.0	0.00	23.18	29.85	8.3	22	8.7	28	19	22	20				7		5
02	59	39	49	3	31	41	16	0		0		0.0	0.00	23.08	29.72	12.6	23	13.0	31	23	24	24				1		2
03	63	28	46	-1	27	37	19	0		0		0.0	0.00	23.17	29.87	2.9	21	4.7	21	22	17	19				1		2
04	64	29	47	0	25	38	18	0		0		0.0	0.00	23.15	29.83	10.5	20	10.8	38	19	30	19				3		4
05	50	33	42	-5	27	34	23	0	SFH				0.06	23.07	29.76	14.2	20	14.5	34	19	30	19				4		3
06	38	28	33*	-15	29	31	32	0	SF+				0.19	23.00	29.77	8.4	21	9.0	28	19	22	18				6		4
07	41	27	34	-14	29	31	31	0	SF+H				0.04	23.01	29.80	7.8	23	8.6	26	25	20	26				4		4
08	50	32	41	-7	33	37	24	0		0		0.0	0.00	23.15	29.89	7.2	25	7.5	17	26	14	26						5
09	63	31	47	-1	32	40	18	0		0		0.0	0.00	23.24	29.97	5.8	26	6.7	20	19	17	20				2		2
10	62	34	48	-1	31	40	17	0		0		0.0	0.00	23.21	29.91	5.9	21	6.2	23	20	18	20				4		3
11	64	31	48	-1	31	41	17	0		0		0.0	0.00	23.11	29.76	10.4	21	10.6	33	18	26	20				4		5
12	59	46	53	4	28	40	12	0		0		0.0	0.00	22.94	29.53	17.0	21	17.2	40	20	31	19				7		7
13	56	40	48	-2	30	39	17	0		0		0.0	0.00	22.93	29.55	19.5	21	19.9	41	19	34	19						
14	62	36	49	-1	35	42	16	0		0		0.0	0.00	23.16	29.83	12.2	19	13.2	32	18	26	19			1	2	1	2
15	63	31	47	-3	30	40	18	0		0		0.0	0.00	23.17	29.85	10.3	20	11.2	31	19	25	20						1
16	56	35	46	-4	32	37	19	0	P-SFH				0.03	23.03	29.69	9.1	22	10.2	36	18	30	19						
17	54	34	44	-7	36	39	21	0	RP-SFH				0.02	23.12	29.86	8.4	23	8.7	22	22	18	22						
18					32	39		0		0		0.0	0.00	23.26	29.99	4.1	25	4.8										
19					29	45		0		0		0.0	0.00	23.28	29.92	2.7	18	5.5	20	05	15	17						5
20	71	36	54	3	29	42	11	0		0		0.0	0.00	23.26	29.91	5.7	22	6.6	23	21	18	20			0		0	2
21	70	32	51	-1	29	42	14	0		0		0.0	0.00	23.25	29.92	6.9	21	7.3	25	19	21	19						
22	65	31	48	-4	24	39	17	0		0		0.0	0.00	23.15	29.79	9.4	20	10.5	31	20	25	20			0			2
23	61	27	44	-8	27	37	21	0		0		0.0	0.00	23.11	29.79	5.9	21	6.5	28	19	22	19			1		2	
24	59	32	46	-7	30	39	19	0		0		0.0	0.00	23.13	29.82	9.4	21	9.6	33	19	24	19						
25	59	33	46	-7	29	38	19	0		0		0.0	0.00	23.12	29.80	7.5	22	8.1	28	18	23	18			4		3	
26	55	27*	41	-12	32	36	24	0	R	0		0.0	0.10	23.18	29.92	3.6	21	4.8	30	19	24	19						
27	65	28	47	-7	34	40	18	0	R	0		0.0	T	23.26	30.01	2.9	26	4.7	23	35	14	26						
28	62	35	49	-5	38	42	16	0	RF	0		0.0	0.40	23.25	29.96	1.5	20	4.3	32	19	24	19						
29	61	31	46	-8	38	41	19	0	TRF	0		0.0	0.04	23.27	30.01	4.3	7	5.1	20	06	15	06						
30	68	30	49	-5	32	41	16	0		0		0.0	0.00	23.33	30.06	4.5	29	4.8	22	32	18	26			1		1	
31	73*	37	55*	0	33	44	10	0		0		0.0	0.00	23.34	30.02	3.7	29	4.8	21	28	15	27			2		2	
	59.8	32.6	46.2	-4.2	30.9	39.2	<------- MONTHLY AVERAGES -------->							23.16	29.85	7.1	22	8.6	<- MONTHLY AVERAGES ->									

DEPARTURE		DEGREE DAYS MONTHLY TOTAL	DEPARTURE	SEASON TO DATE TOTAL	DEPARTURE
-7.6	-.7				
HEATING:		539	86	6902	-42
COOLING:		0	0	0	0

TOTAL SNOWFALL:
PRECIP. DEPARTURE: -.28
GREATEST 24-HR PRECIPITATION: 0.44
GREATEST 24-HR SNOWFALL:
GREATEST SNOW DEPTH:

TOTAL PRECIPITATION: 0.44
TOTAL
DATE 28-29

SUNSHINE TOTALS:
TOTAL POSSIBLE :
PERCENT POSSIBLE:

WIND	SPEED	DIRECTION	DATE
MAXIMUM 5-SECOND :	41	19	13
MAXIMUM 2-MINUTE :	34	19	13

NUMBER OF DAYS WITH —>

SKY CONDITIONS CLEAR	PARTLY CLOUDY	CLOUDY
1		

MAXIMUM TEMP ≥ 90 : 0
MAXIMUM TEMP ≤ 32 : 0
THUNDERSTORMS : 1

MINIMUM TEMP ≤ 32 : 16
MINIMUM TEMP ≤ 0 : 0
HEAVY FOG : 2

PRECIPITATION ≥ 0.01 INCH : 8
PRECIPITATION ≥ 0.10 INCH : 3
SNOWFALL ≥ 1.0 INCH : 0

<— NUMBER OF DAYS WITH

MAY 1995
FLAGSTAFF, AZ

HOURLY PRECIPITATION
(WATER EQUIVALENT IN INCHES)

MAY 1995 WBAN # 03103
FLAGSTAFF, AZ

DATE	A.M. HOUR (L.S.T.) ENDING AT												DATE	P.M. HOUR (L.S.T.) ENDING AT												DATE
	1	2	3	4	5	6	7	8	9	10	11	12		1	2	3	4	5	6	7	8	9	10	11	12	
01													01													01
02			T										02													02 * T
03													03													03
04													04													04
05								T	T				05			T	T	0.01	0.02	0.03	T		T			05
06								T	0.01	T	0.01	0.04	06	0.06	0.05	T	0.01	0.01								06
07							T	T	T	0.01	T	0.01	07	T	T	T	T	0.01		T	0.01	T				07
08													08					T								08 * T
09													09													09
10													10													10
11													11													11
12													12													12
13													13													13
14													14													14
15													15													15
16													16			T	0.02	T				0.01	T		T	16
17	0.01	T				T	T	T					17	T	0.01	T	T	T								17
18													18													18
19													19													19
20													20													20
21													21													21
22													22													22
23													23													23
24													24													24
25													25													25
26										T	T	T	26	T	0.06	T		T	0.01	0.01	0.02					26
27													27										T	T		27
28													28			T			0.01	0.09	0.15	0.14	0.01	T		28
29													29			0.04	T									29
30													30													30
31													31													31

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* The sum of the hourly totals follows the * when it disagrees with the daily total on page 1. NWS does not edit ASOS hourly precipitation but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

MAXIMUM SHORT DURATION PRECIPITATION (MSDP) **

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)												
ENDED: DATE												
ENDED: TIME												

** NCDC derives MSDP data from one-Minute ASOS data. The MSDP data are not printed when inconsistent with ASOS hourly totals.

The time indicated is the ending time of the interval.
Date and time are not entered for trace amounts.

REFERENCE NOTES :

WFO = WEATHER FORECAST OFFICE.
ASOS = AUTOMATED SURFACE OBSERVING SYSTEM.
* = EXTREME FOR THE MONTH (LAST OCCURRENCE IF MORE THAN ONE).
T = TRACE PRECIPITATION AMOUNT.
+ = ALSO OCCURS ON EARLIER DATES.
F+ = HEAVY FOG, VISIBILITY .25 MILES OR LESS.
BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.
THE HEATING DEGREE DAY SEASON BEGINS JULY 1.
THE COOLING DEGREE DAY SEASON BEGINS JANUARY 1.
CEILOMETER (30-SECOND) DATA ARE USED TO DERIVE CLOUDINESS AT OR BELOW 12,000 FEET. THIS CLOUDINESS IS THE MEAN CLOUD COVER DETECTED DURING THE TIME INTERVAL (HOUR, SUNRISE TO SUNSET, OR MIDNIGHT TO MIDNIGHT).
SATELLITE DATA ARE USED TO DERIVE CLOUDINESS ABOVE 12,000 FEET. EFFECTIVE CLOUD AMOUNT IS BASED ON THE CLOUD COVER AND THE TRANSPARENCY OF THE CLOUDS WITHIN THE SATELLITE FIELD OF VIEW (APPROX. 50 x 50 KM).
SKY CONDITION IS BASED ON THE SUM (NOT TO EXCEED 10) OF THE SUNRISE TO SUNSET CLOUD COVER BELOW AND ABOVE 12,000 FEET. BOTH CEILOMETER AND SATELLITE DATA MUST BE PRESENT TO COMPUTE SKY CONDITION. CLEAR = 0 - 3 TENTHS, PARTLY CLOUDY = 4 - 7 TENTHS, AND CLOUDY = 8 - 10 TENTHS.
RESULTANT WIND IS THE VECTOR SUM OF THE WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS.
WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. '00' INDICATES CALM.
SR-SS = SUNRISE TO SUNSET. MN-MN = MIDNIGHT TO MIDNIGHT.
SNOWFALL IS FOR THE 24-HOUR PERIOD ENDING AT THE TIME INDICATED IN COLUMN HEADING.
WATER EQUIVALENT OF SNOW ON THE GROUND IS REPORTED ONLY WHEN THE DEPTH IS 2 OR MORE INCHES.
H, F, F+, P-, R, S, AND ZR ARE REPORTED FROM ASOS AUTOMATED SENSORS. OTHER WEATHER TYPES MAY BE ADDED TO THE REPORT BY STATION PERSONNEL OR BE PROVIDED BY THE WEATHER FORECAST OFFICE (WFO).

A	HAIL	GL	GLAZE	SG	SNOW GRAINS
BD	BLOWING DUST	H	HAZE	SP	SNOW PELLETS
BN	BLOWING SAND	IC	ICE CRYSTALS	T	THUNDER
BS	BLOWING SNOW	IF	ICE FOG	V	VOLCANIC ASH
BY	BLOWING SPRAY	IP	ICE PELLETS	ZL	FREEZING DRIZZLE
D	DUST	K	SMOKE	ZR	FREEZING RAIN
F	FOG	L	DRIZZLE	&	TORNADO
F+	HEAVY FOG	P-	UNKN. PRECIP.	&C	FUNNEL CLOUD
GF	GROUND FOG	R	RAIN	&W	WATERSPOUT
		S	SNOW		

NORMALS ARE FOR THE YEARS 1961 - 1990.
A HEATING (COOLING) DEGREE DAY IS THE DEFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65°F.
DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100% RELATIVE HUMIDITY.
WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100% RELATIVE HUMIDITY.

TEMPERATURE - HUMIDITY INDEX (STEADMAN, 1979)

TEMPERATURE °F	RELATIVE HUMIDITY (PERCENT) 0	10	20	30	40	50	60	70	80	90	100
120	107	116	130	148							
115	103	111	120	135	151				APPARENT		
110	99	105	112	123	137	150			TEMPERATURE		
105	95	100	105	113	123	135	149				
100	91	95	99	104	110	120	132	144			
95	87	90	93	96	101	107	114	124	136		
90	83	85	87	90	93	96	100	106	113	122	
85	78	80	82	84	86	88	90	93	97	102	108
80	73	75	77	78	79	81	82	85	86	88	91
75	69	70	72	73	74	75	76	77	78	79	80
70	64	65	66	67	68	69	70	70	71	71	72

WIND CHILL EQUIVALENT TEMPERATURE (SIPLE & PASSEL, 1945)

TEMPERATURE °F	WIND VELOCITY (MPH) 4	5	10	15	20	25	30	35	40	45
45	45	43	34	29	26	23	21	20	19	18
40	40	37	26	23	19	16	13	12	11	10
35	35	32	22	16	12	8	6	4	3	2
30	30	27	16	9	4	1	-2	-4	-5	-6
25	25	22	10	2	-3	-7	-10	-12	-13	-14
20	20	16	3	-5	-10	-15	-18	-20	-21	-22
15	15	11	-3	-11	-17	-22	-25	-27	-29	-30
10	10	6	-9	-18	-24	-29	-33	-35	-37	-38
5	5	0	-15	-25	-31	-36	-41	-43	-45	-46
0	0	-5	-22	-31	-39	-44	-49	-52	-53	-54
-5	-5	-10	-27	-38	-46	-51	-56	-58	-60	-62
-10	-10	-15	-34	-45	-53	-59	-64	-67	-69	-70
-15	-15	-21	-40	-51	-60	-66	-71	-74	-76	-78
-20	-20	-26	-46	-58	-67	-74	-79	-82	-84	-85
-25	-25	-31	-52	-65	-74	-81	-86	-89	-92	-93
-30	-30	-36	-58	-72	-81	-88	-93	-97	-100	-102

ADDITIONAL INFORMATION :

OBSERVATIONS AT 3-HOURLY INTERVALS

MAY 1995 FLAGSTAFF, AZ WBAN # 03103

HOUR (LST)	≤ 12K FEET: CEILOMETER TENTHS	≤ 12K FEET: CEILING 100'S OF FT	SATELLITE > 12K FT: OBSERVATION TIME (LST)	SATELLITE > 12K FT: EFF CLD AMT TENTHS	SATELLITE > 12K FT: 100'S OF FT LOWEST CLOUD TOP	SATELLITE > 12K FT: 100'S OF FT HIGHEST CLOUD TOP	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F: DRY BULB	TEMPERATURE °F: DEW POINT	TEMPERATURE °F: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES, HG): STATION	PRESSURE (INCHES, HG): SEA LEVEL
SUNRISE: 0536 MAY 01 SUNSET: 1911																
02		NC	0124	1	160	300	10.00		41	32	37	70	0	00	23.25	29.92
05		NC	0427	0	NT	NT	10.00		34	31	33	89	0	00	23.21	29.91
08		NC	0723	6	260	460	10.00		49	38	44	66	3	26	23.21	29.88
11		NC	1026	9	300	380	10.00		59	39	48	48	13	20	23.20	29.84
14		NC	1323	10	300	440	10.00		61	40	50	46	14	22	23.16	29.83
17	0	NC					10.00		59	36	47	42	15	23	23.15	29.85
20	0	NC					10.00		54	37	45	53	10	23	23.15	29.80
23	0	NC	2251	1	130	210	10.00		52	36	44	55	13	23	23.13	29.75
SUNRISE: 0535 MAY 02 SUNSET: 1912																
02	7	110	0124	8	130	380	10.00		50	39	44	66	9	22	23.11	29.73
05		NC	0427	0	NT	NT	10.00		47	37	42	68	14	23	23.06	29.68
08		NC	0722	1	130	230	10.00		50	36	43	59	20	24	23.06	29.69
11		48	1026	1	200	300	10.00		56	32	44	40	18	23	23.07	29.69
14		NC	1323	1	130	300	10.00		58	26	43	29	17	22	23.07	29.69
17		NC					10.00		57	27	43	32	13	26	23.07	29.70
20		NC					10.00		50	23	38	35	8	23	23.09	29.75
23		70	2251	2	130	380	10.00		45	25	36	46	3	25	23.12	29.78
SUNRISE: 0534 MAY 03 SUNSET: 1913																
02		NC	0124	1	130	230	10.00		32	25	29	75	0	00	23.12	29.83
05	0	NC	0427	0	NT	NT	10.00		29	24	27	82	0	00	23.14	29.86
08	0	NC	0722	0	NT	NT	10.00		48	27	39	44	5	19	23.17	29.85
11	1	NC	1026	1	130	300	10.00		57	24	42	28	6	34	23.18	29.85
14	1	NC	1323	2	130	300	10.00		59	26	43	28	6	19	23.17	29.88
17		NC					10.00		60	26	44	27	7	26	23.16	29.88
20		NC					10.00		50	31	41	48	0	00	23.19	29.88
23		NC	2251	3	130	440	10.00		37	30	34	76	3	31	23.20	29.92
SUNRISE: 0533 MAY 04 SUNSET: 1914																
02		NC	0124	4	150	440	10.00		32	27	30	82	0	00	23.19	29.90
05		NC	0427	4	150	440	10.00		30	26	28	85	0	00	23.18	29.90
08		NC	0722	1	130	440	10.00		51	28	40	41	6	21	23.20	29.88
11	0	NC	1026	1	130	260	10.00		60	27	44	29	15	17	23.20	29.89
14	0	NC	1323	7	210	440	10.00		62	26	45	25	20	21	23.15	29.85
17	0	NC					10.00		60	22	43	23	16	20	23.11	29.81
20	0	NC					10.00		54	21	39	28	6	22	23.09	29.72
23		NC	2251	9	300	380	10.00		51	18	37	27	21	19	23.07	29.68
SUNRISE: 0532 MAY 05 SUNSET: 1915																
02		100	0124	4	130	300	10.00		47	14	34	26	16	20	23.06	29.67
05		NC	0427	1	220	330	10.00		39	28	34	65	14	20	23.05	29.69
08		49	0722	5	130	380	10.00		39	31	35	73	22	19	23.07	29.75
11		NC	1026	1	130	380	10.00		44	21	34	40	17	21	23.07	29.75
14		40	1323	6	130	300	10.00		44	26	36	49	15	21	23.07	29.76
17	9	13					.50	SF	33	32	33	96	12	23	23.07	29.85
20	8	4					5.00	F	34	32	33	92	14	20	23.07	29.83
23	0	NC	2251	1	130	190	10.00		33	28	31	82	8	22	23.07	29.82
SUNRISE: 0531 MAY 06 SUNSET: 1915																
02	8	29	0124	4	130	330	10.00		34	28	32	79	13	21	23.02	29.76
05		NC	0427	0	NT	NT	10.00		32	24	29	72	13	23	23.00	29.78
08		19	0722	4	130	330	2.50	SF	33	31	32	92	8	21	23.01	29.79
11		7	1026	10	150	230	1.75	SF	34	33	34	96	8	21	23.01	29.78
14		6	1323	9	130	440	1.00	SF	32	31	32	96	6	20	23.02	29.80
17	6	21					10.00		37	31	34	79	10	19	22.98	29.74
20	2	NC					10.00		33	30	32	89	7	19	22.98	29.75
23	2	NC	2251	2	150	210	10.00		28	27	28	96	3	27	22.97	29.76
SUNRISE: 0530 MAY 07 SUNSET: 1916																
02	3	95	0124	6	130	440	10.00		28	26	27	92	0	00	22.93	29.71
05		NC	0427	3	150	190	10.00		28	25	27	89	7	27	22.92	29.68
08		15	0722	2	150	380	5.00	SF	30	27	29	89	9	25	22.97	29.75
11		18	1026	7	130	380	5.00	H	35	29	32	79	10	22	23.00	29.78
14		38	1323	8	150	330	10.00		39	31	35	73	16	19	23.01	29.78
17		4					5.00	F	34	33	34	96	9	21	23.05	29.85
20	10	3					1.75	SF	33	32	33	96	8	22	23.09	29.90
23	10	24	2251	0	NT	NT	10.00		33	32	33	96	8	22	23.11	29.93
SUNRISE: 0529 MAY 08 SUNSET: 1917																
02	10	17	0124	2	130	380	10.00		33	31	32	92	5	20	23.11	29.89
05	8	23	0427	5	130	210	10.00		34	31	33	89	6	24	23.09	29.89
08			0722	6	170	380										
11			1026	9	160	300										
14	5	35	1323	9	140	440	10.00		48	33	41	56	13	27	23.14	
17	8	75					10.00		50	35	43	57	12	25	23.15	
20	9	41					10.00		44	36	40	74	5	22	23.19	
23		NC	2251	1	130	440	10.00		41	33	37	73	3	27	23.23	
SUNRISE: 0528 MAY 09 SUNSET: 1918																
02		NC	0124	1	130	210	10.00		33	30	32	89	6	25	23.21	29.98
05		NC	0427	2	130	330	10.00		39	30	35	70	7	29	23.23	29.96
08		NC	0722	2	130	330	10.00		50	33	42	52	6	28	23.26	29.99
11		NC	1026	1	130	260	10.00		57	32	45	39	6	21	23.27	29.98
14		NC	1323	1	130	300	10.00		61	38	49	43	12	26	23.25	29.97
17																
20																
23			2251	1	130	130										
SUNRISE: 0527 MAY 10 SUNSET: 1919																
02		NC	0124	0	NT	NT	10.00		36	31	34	82	0	00	23.23	29.93
05		NC	0426	1	130	440	10.00		36	30	33	79	0	00	23.21	29.91
08		NC	0722	8	130	440	10.00		51	34	43	52	5	19	23.23	29.92
11	5	60	1026	0	NT	NT	10.00		59	33	46	38	12	21	23.22	29.92
14	1	NC	1323	1	210	210	10.00		61	26	44	26	13	24	23.20	29.90
17	3	NC					10.00		62	30	46	30	14	22	23.19	29.88
20	0	NC					10.00		53	30	42	42	7	21	23.20	29.88
23		NC	2251	3	130	380	10.00		42	31	37	65	3	19	23.22	29.91
SUNRISE: 0526 MAY 11 SUNSET: 1919																
02		NC	0124	5	140	380	10.00		38	30	35	73	0	00	23.18	29.86
05		NC	0426	5	150	440	10.00		33	28	31	82	0	00	23.16	29.85
08		NC	0722	3	130	440	10.00		52	31	42	45	6	23	23.18	29.84
11		NC	1026	8	300	380	10.00		57	32	45	39	16	20	23.16	29.83
14	0	NC	1323	5	300	440	10.00		63	33	48	33	21	22	23.09	29.73
17	0	NC					10.00		62	31	46	31	22	22	23.04	29.70
20	0	NC					10.00		56	32	44	40	14	23	23.04	29.64
23	0	NC	2251	2	130	380	10.00		52	30	42	43	13	21	23.02	29.62
SUNRISE: 0526 MAY 12 SUNSET: 1920																
02		NC	0124	8	300	440	10.00		49	30	40	48	12	21	22.98	29.56
05		NC	0426	9	330	440	10.00		47	34	41	61	12	21	22.93	29.52
08		NC	0722	6	230	440	10.00		49	35	42	59	25	20	22.93	29.52
11		NC	1026	6	150	330	10.00		54	33	44	45	26	21	22.93	29.52
14		55	1323	8	180	440	10.00		57	35	46	44	20	21	22.91	29.49
17		NC					10.00		55	22	40	28	21	22	22.92	29.52
20		NC					10.00		49	21	37	33	12	22	22.96	29.58
23		NC	2251	5	130	440	10.00		46	22	36	39	8	23	22.93	29.55

OBSERVATIONS AT 3-HOURLY INTERVALS

MAY 1995 FLAGSTAFF, AZ WBAN # 03103

HOUR (LST)	< 12K FEET: CEILOMETER TENTHS	< 12K FEET: CEILING 100'S OF FT	SATELLITE > 12K FT: OBSERVATION TIME (LST)	SATELLITE > 12K FT: EFF CLD AMT TENTHS	SATELLITE > 12K FT: 100'S OF FT LOWEST CLOUD TOP	SATELLITE > 12K FT: 100'S OF FT HIGHEST CLOUD TOP	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F: DRY BULB	TEMPERATURE °F: DEW POINT	TEMPERATURE °F: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES, HG): STATION	PRESSURE (INCHES, HG): SEA LEVEL
SUNRISE: 0525 MAY 13 SUNSET: 1921																
02	0	NC	0124	0	NT	NT	10.00		45	23	36	42	14	22	22.88	29.47
05	0	NC	0426	0	NT	NT	10.00		41	33	37	73	13	21	22.86	29.47
08	4	20	0722	1	180	300	10.00		44	33	39	65	20	21	22.89	29.52
11	0	NC	1026	1	230	230	10.00		52	23	39	32	33	20	22.91	29.51
14		NC	1323	1	180	330	10.00		56	30	43	37	23	19	22.93	29.53
17		NC					10.00		55	29	43	37	28	19	22.93	29.57
20		NC					10.00		50	31	41	48	16	20	23.01	29.67
23		NC	2251	0	NT	NT	10.00		47	32	40	56	12	22	23.05	29.70
SUNRISE: 0524 MAY 14 SUNSET: 1922																
02		NC	0124	0	NT	NT	10.00		45	34	40	66	15	21	23.05	29.69
05		NC	0426	0	NT	NT	10.00		41	35	38	79	9	23	23.09	29.76
08	1	NC	0722	1	210	210	10.00		48	36	42	63	22	19	23.15	29.82
11	1	NC	1026	0	NT	NT	10.00		56	35	45	45	18	18	23.18	29.85
14	1	NC	1323	8	180	380	10.00		58	35	46	42	15	19	23.19	29.85
17	2	NC					10.00		60	36	48	41	15	21	23.18	29.85
20	0	NC					10.00		53	34	44	49	7	18	23.19	29.86
23	0	NC	2251	1	220	440	10.00		39	34	37	82	0	00	23.20	29.90
SUNRISE: 0523 MAY 15 SUNSET: 1923																
02	0	NC	0124	1	130	130	10.00		35	32	34	89	0	00	23.20	29.91
05		NC	0426	0	NT	NT	10.00		41	36	39	83	9	19	23.18	29.85
08		NC	0722	0	NT	NT	10.00		49	36	43	61	17	19	23.22	29.90
11		NC	1026	1	210	210	10.00		58	30	44	35	16	20	23.20	29.91
14		NC	1323	1	130	380	10.00		62	25	44	24	20	20	23.17	29.86
17		NC					10.00		61	27	45	28	20	16	23.14	29.80
20	0	NC					10.00		51	29	41	43	6	23	23.13	29.80
23	0	NC	2251	2	130	300	10.00		46	28	38	50	6	25	23.11	29.75
SUNRISE: 0522 MAY 16 SUNSET: 1923																
02	0	NC	0124	2	180	380	10.00		40	29	35	65	5	21	23.07	29.72
05	0	NC	0426	1	130	440	10.00		42	32	37	68	6	21	23.04	29.66
08		NC	0722	7	210	460	10.00		49	32	41	52	13	20	23.02	29.67
11		NC	1026	8	180	330	10.00		52	31	42	45	12	21	23.02	29.67
14	1								51	29	41	43	15	20	23.00	29.66
17	3	NC					10.00		38	34	36	86	8	27	23.00	29.72
20	7	80					10.00		38	33	36	82	9	25	23.02	29.70
23									36	32	34	85	8	26	23.05	29.73
SUNRISE: 0522 MAY 17 SUNSET: 1924																
02		8					10.00		35	33	34	92	7	23	23.02	29.71
05		30					10.00		36	33	35	89	10	23	23.04	29.79
08		11					10.00	R	37	34	36	89	12	22	23.09	29.84
11		37					10.00		46	38	42	74	13	25	23.10	29.83
14	5	85					10.00		52	41	46	66	14	23	23.13	29.85
17	9	90					10.00		54	41	47	62	12	21	23.15	29.86
20	0	NC					10.00		47	39	43	74	8	22	23.18	29.93
23	0	NC					10.00		36	34	35	93	0	00	23.23	30.00
SUNRISE: 0521 MAY 18 SUNSET: 1925																
02		NC					10.00		33	31	32	92	0	00	23.23	29.98
05		NC					10.00		31	30	31	96	3	24	23.25	30.01
08		NC					10.00		53	33	43	47	7	29	23.27	29.97
11															23.28	
14		70					10.00		63	33	48	33			23.27	29.99
17	1														23.25	
20	0														23.27	
23	0		2251	6	130	330									23.30	

HOUR (LST)	≤ 12K FEET: CEILOMETER TENTHS	≤ 12K FEET: CEILING 100'S OF FT	SATELLITE > 12K FT: OBSERVATION TIME (LST)	SATELLITE > 12K FT: EFF CLD AMT TENTHS	SATELLITE > 12K FT: 100'S OF FT LOWEST CLOUD TOP	SATELLITE > 12K FT: 100'S OF FT HIGHEST CLOUD TOP	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F: DRY BULB	TEMPERATURE °F: DEW POINT	TEMPERATURE °F: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES, HG): STATION	PRESSURE (INCHES, HG): SEA LEVEL
SUNRISE: 0520 MAY 19 SUNSET: 1926																
02	0		0124	5	130	380									23.30	
05			0426	7	130	160									23.29	
08		NC	0722	4	130	380	10.00		55	31	43	40	3	02	23.31	
11			1026	7	130	330			65	28	47	25			23.30	
14		NC	1323	4	130	380	10.00		68	28	48	22	3	12	23.27	
17		NC					10.00		68	32	49	26	12	20	23.25	
20		NC					10.00		58	29	44	33	0	00	23.25	29.90
23		NC	2251	7	150	330	10.00		52	28	41	40	0	00	23.28	29.92
SUNRISE: 0520 MAY 20 SUNSET: 1926																
02		NC	0124	4	130	330	10.00		44	29	37	56	6	31	23.25	29.91
05	0	NC	0426	1	130	210	10.00		38	26	33	62	0	00	23.25	29.93
08	0	NC	0722	1	130	210	10.00		60	29	45	31	8	27	23.27	29.91
11	0	NC	1026	1	130	210	10.00		65	27	46	24	10	22	23.28	29.92
14	0	NC	1323	0	NT	NT	10.00		68	30	49	24	8	24	23.26	29.92
17	0	NC					10.00		69	34	51	28	16	17	23.23	29.89
20	0	NC					10.00		60	31	46	34	6	23	23.26	29.88
23		NC	2251	0	NT	NT	10.00		46	30	39	54	0	00	23.29	29.95
SUNRISE: 0519 MAY 21 SUNSET: 1927																
02		NC	0124	2	130	460	10.00		36	28	33	73	0	00	23.27	29.96
05		NC	0426	4	130	380	10.00		32	27	30	82	0	00	23.27	29.96
08		NC	0722	1	220	380	10.00		56	29	43	36	5	21	23.29	29.93
11		NC	1026	4	180	330	10.00		64	32	48	30	13	19	23.29	29.96
14	0	NC	1323	8	150	460	10.00		68	30	49	24	14	21	23.25	29.93
17	0	NC					10.00		68	31	49	25	16	20	23.21	29.91
20	0	NC					10.00		59	28	44	31	6	24	23.23	29.87
23	0	NC					10.00		53	29	42	40	5	24	23.22	29.85
SUNRISE: 0518 MAY 22 SUNSET: 1928																
02		NC	0124	5	130	440	10.00		39	29	35	67	0	00	23.18	29.83
05		NC	0426	1	130	130	10.00		32	26	30	79	3	36	23.16	29.84
08	0	NC	0722	0	NT	NT	10.00		54	24	40	31	9	22	23.17	29.80
11	0	NC	1026	2	130	210	10.00		62	26	45	25	17	19	23.16	29.78
14	0	NC	1323	6	130	440	10.00		63	22	44	21	18	20	23.14	29.80
17	2	NC					10.00		61	17	42	18	15	21	23.11	29.80
20	0	NC					10.00		53	23	40	31	9	18	23.13	29.77
23	0	NC	2251	1	190	190	10.00		49	23	38	36	9	25	23.11	29.72
SUNRISE: 0518 MAY 23 SUNSET: 1929																
02	0	NC	0124	1	130	190	10.00		35	24	31	64	0	00	23.11	29.77
05	0	NC	0426	2	130	130	10.00		28	22	26	78	0	00	23.11	29.81
08	0	NC					10.00		50	24	38	36	7	19	23.12	29.77
11	0	NC	1026	1	150	380	10.00		56	27	42	33	9	22	23.12	29.76
14	1	NC	1323	2	130	440	10.00		59	28	44	31	8	19	23.11	29.79
17	3	70					10.00		58	27	43	31	17	19	23.09	29.81
20	0	NC					10.00		49	30	40	48	3	24	23.12	29.79
23	10	50	2251	2	130	300	10.00		47	31	40	54	6	23	23.14	29.79
SUNRISE: 0517 MAY 24 SUNSET: 1929																
02		NC	0124	0	NT	NT	10.00		34	27	31	76	0	00	23.11	29.80
05		43	0426	1	130	260	10.00		37	30	34	76	0	00	23.12	29.80
08		NC					10.00		47	30	39	52	13	20	23.15	29.84
11		44					10.00		52	32	42	47	14	22	23.16	29.83
14		49					10.00		57	33	45	40	17	21	23.14	29.84
17	1	NC					10.00		57	31	44	37	17	20	23.10	29.79
20	0	NC					10.00		50	29	40	45	10	22	23.13	29.80
23	0	NC					10.00		49	34	42	56	13	23	23.13	29.79

OBSERVATIONS AT 3-HOURLY INTERVALS

MAY 1995 FLAGSTAFF, AZ WBAN # 03103

HOUR (LST)	≤ 12K FEET: CEILOMETER TENTHS	≤ 12K FEET: CEILING 100'S OF FT	SATELLITE > 12K FT: OBSERVATION TIME (LST)	SATELLITE > 12K FT: EFF CLD AMT TENTHS	SATELLITE > 12K FT 100'S OF FT: LOWEST CLOUD TOP	SATELLITE > 12K FT 100'S OF FT: HIGHEST CLOUD TOP	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F: DRY BULB	TEMPERATURE °F: DEW POINT	TEMPERATURE °F: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES, HG): STATION	PRESSURE (INCHES, HG): SEA LEVEL
SUNRISE: 0517 MAY 25 SUNSET: 1930																
02	0	NC					10.00		43	32	38	65	5	23	23.11	29.76
05	6	75					10.00		34	29	32	82	0	00	23.10	29.79
08	4	NC					10.00		49	33	41	54	9	19	23.11	29.78
11	8	70					10.00		54	30	43	40	16	22	23.11	29.76
14	7	65					10.00		56	28	43	34	14	22	23.11	29.78
17	1	NC					10.00		57	25	42	29	15	22	23.11	29.81
20	0	NC					10.00		48	27	39	44	5	25	23.14	29.82
23	6	70					10.00		37	26	32	65	0	00	23.16	29.87
SUNRISE: 0516 MAY 26 SUNSET: 1931																
02	0	NC					10.00		31	23	28	72	0	00	23.13	29.85
05	0	NC					10.00		29	24	27	82	0	00	23.12	29.84
08	2	NC					10.00		50	28	40	43	6	20	23.15	29.83
11	4	55					10.00		53	30	42	42	9	23	23.15	29.86
14		22					10.00	R	43	37	40	80	10	19	23.19	29.99
17		31					10.00		45	39	42	80	0	00	23.17	29.97
20		NC					10.00		40	39	40	96	0	00	23.23	29.96
23		NC					10.00		33	32	33	96	0	00	23.26	30.02
SUNRISE: 0516 MAY 27 SUNSET: 1932																
02		NC					10.00		30	29	30	96	0	00	23.25	30.07
05		NC					10.00		28	27	28	96	0	00	23.25	30.06
08		NC					10.00		52	37	44	57	0	00	23.28	30.01
11		NC					10.00		58	32	45	38	6	25	23.28	30.02
14															23.25	
17		85					10.00		63	36	49	37	9	25	23.22	29.95
20							10.00		47	39	43	74	0	00	23.25	29.96
23		85					10.00		46	40	43	80	3	11	23.27	29.96
SUNRISE: 0515 MAY 28 SUNSET: 1932																
02		95					10.00		43	39	41	86	0	00	23.25	
05		100					10.00		36	35	36	96	0	00	23.22	29.92
08		90					10.00		49	40	44	71	6	05	23.25	29.96
11		NC					10.00		59	36	47	42	9	19	23.23	29.91
14		NC					10.00		56	35	45	45	15	21	23.23	29.93
17		60					10.00		55	39	47	55	5	13	23.22	29.95
20		32					3.00	RF	42	39	41	89	8	32	23.28	30.02
23		65					10.00		41	40	41	96	6	08	23.28	29.98
SUNRISE: 0515 MAY 29 SUNSET: 1933																
02		NC					7.00		38	37	38	96	0	00	23.25	29.97
05		NC					10.00		31	31	31	100	0	00	23.23	29.99
08		NC					10.00		46	40	43	80	13	05	23.25	30.01
11		NC					10.00		53	39	46	59	7	10	23.26	30.00
14		NC					10.00		60	39	49	46	8	15	23.26	29.97
17		75					10.00		54	40	47	59	15	06	23.27	30.03
20		NC					10.00		47	41	44	80	0	00	23.30	30.03
23		NC					10.00		37	36	37	96	0	00	23.32	30.09
SUNRISE: 0515 MAY 30 SUNSET: 1934																
02	0	NC					10.00		33	32	33	96	0	00	23.32	30.06
05	0	NC					10.00		31	30	31	96	0	00	23.31	30.09
08	0	NC					10.00		54	35	45	49	7	27	23.34	30.06
11	0	NC					10.00		62	31	47	31	14	29	23.35	30.08
14	0	NC					10.00		65	30	47	27	15	29	23.34	30.08
17	6	NC					10.00		64	30	47	28	5	30	23.32	30.06
20	0	NC					10.00		53	35	44	51	0	00	23.32	30.02
23	0	NC					10.00		41	34	38	76	0	00	23.36	30.07
SUNRISE: 0514 MAY 31 SUNSET: 1934																
02	0	NC					10.00		39	33	36	79	0	00	23.34	30.05
05	0	NC					10.00		37	33	35	86	0	00	23.32	30.04
08	0	NC					10.00		60	33	46	36	7	28	23.36	30.04
11	6	85					10.00		67	34	50	30	10	29	23.36	30.07
14	2	NC					10.00		71	32	51	24	9	26	23.34	30.03
17	4	NC					10.00		72	31	51	22	10	25	23.32	30.00
20		NC					10.00		59	35	47	41	0	00	23.32	29.96
23		NC					10.00		47	35	41	63	3	04	23.34	30.02

HOURLY SUMMARY NOTES

CEILING IS REPORTED IN HUNDREDS OF FEET (ABOVE GROUND LEVEL) FOR CLOUDS AT OR BELOW 12,000 FEET.
CLOUD TOPS ARE REPORTED IN HUNDREDS OF FEET (ABOVE MEAN SEA LEVEL) FOR CLOUDS ABOVE 12,000 FEET.
NC = A CEILING WAS NOT DETECTED AT OR BELOW 12,000 FEET.
NT = CLOUD TOPS WERE NOT DETECTED ABOVE 12,000 FEET.
SEE PAGE 3 FOR ADDITIONAL NOTES.

SUMMARY BY HOURS

HOUR (LST)	AVERAGES: CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG): STATION	PRESSURE (INCHES, HG): SEA LEVEL	VISIBILITY (MILES)	WIND SPEED (MPH)	RESULTANT WIND (MPH): SPEED	RESULTANT WIND (MPH): DIRECTION
01	1	3	39	30	35	73	23.16	29.84	10.00	4	3	23
02	2	3	38	30	34	75	23.15	29.84	9.90	4	3	22
03	2	3	37	29	34	77	23.15	29.84	9.78	4	3	23
04	2	3	36	29	33	80	23.14	29.84	9.78	4	3	23
05	1	2	35	30	33	81	23.14	29.84	10.00	4	4	23
06	1	3	36	30	33	81	23.15	29.86	10.00	4	3	22
07	0	3	44	39	33	67	23.16	29.84	9.72	5	4	21
08	1	3	49	32	41	56	23.17	29.85	9.58	10	7	21
09	2	4	52	32	42	49	23.17	29.85	9.52	11	8	20
10	2	3	54	31	43	43	23.17	29.85	9.58	13	10	21
11	2	4	55	31	43	42	23.17	29.84	9.53	13	11	21
12	2	3	56	30	44	40	23.17	29.85	9.70	12	11	22
13	2	4	57	31	44	39	23.16	29.84	9.68	15	13	21
14	2	5	57	31	44	41	23.15	29.84	9.71	14	12	22
15	3		57	31	44	42	23.15	29.85	9.06	13	11	21
16	4	4	57	31	44	42	23.14	29.83	9.67	15	13	21
17	3		56	31	44	44	23.14	29.83	9.50	13	11	21
18	2		55	31	43	46	23.14	29.84	9.79	13	11	21
19	1		52	31	42	50	23.15	29.85	9.22	10	8	21
20	2		49	32	41	56	23.16	29.84	9.30	6	6	22
21	2	3	47	31	39	60	23.17	29.85	10.00	6	6	23
22	2	3	44	31	38	62	23.18	29.86	9.89	6	5	22
23	2	2	43	31	37	66	23.17	29.85	10.00	5	4	22
24	2	3	41	30	36	69	23.17	29.84	10.00	4	3	22

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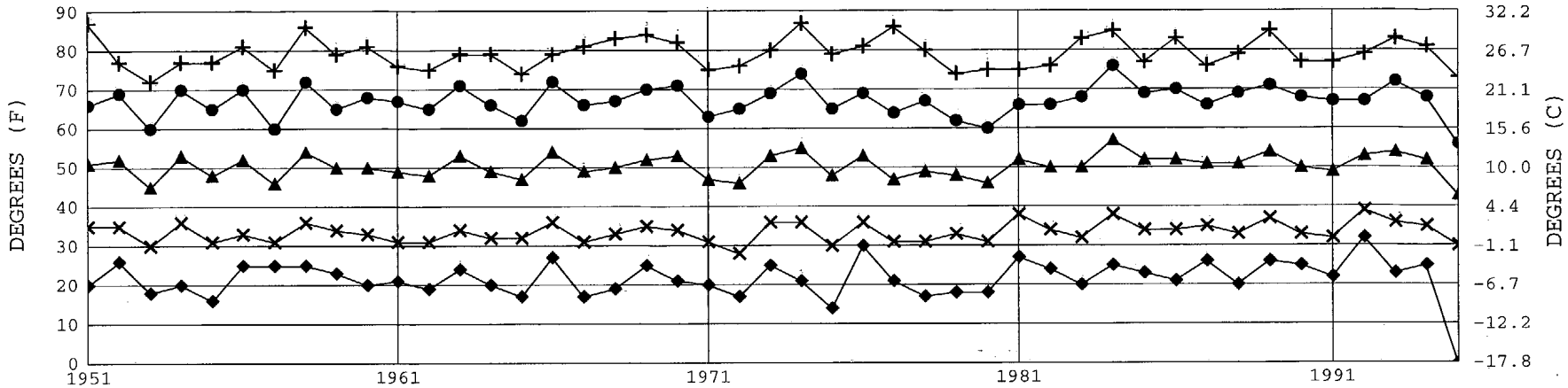
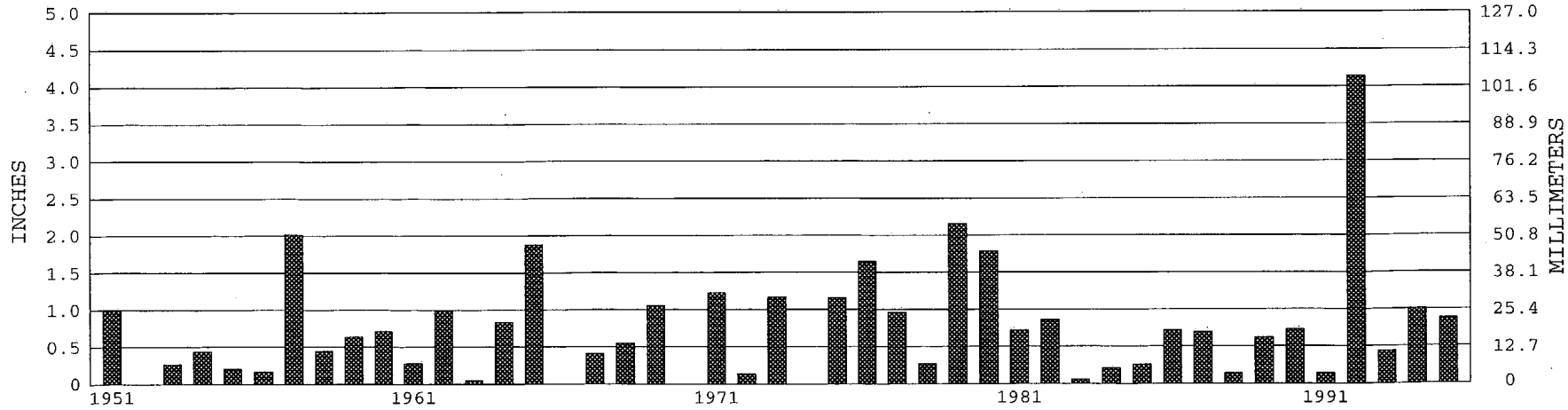
FLAGSTAFF, AZ MAY TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1951-1995) Mean: 50.4 1961-1990 Normal: 50.4

FLAGSTAFF, AZ MAY PRECIPITATION



Long-Term (1951-1995) Mean Monthly Total: 0.76 1961-1990 Normal: 0.72

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