

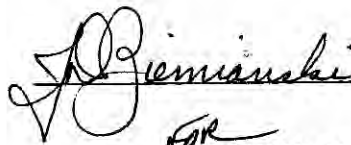
Ex. 49

RM CD-64
revised)
described by
A.O. 201-17

U.S. DEPARTMENT OF COMMERCE

Asheville, N.C.

I CERTIFY that the attached are authentic and true copies of meteorological records on file in the NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, NORTH CAROLINA.



For
RICHARD M. DAVIS
RECORDS CUSTODIAN
DATA ADMINISTRATOR
(Official Title)

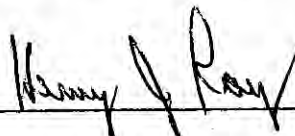
.....

I HEREBY CERTIFY THAT RICHARD M. DAVIS RECORDS CUSTODIAN, who signed the foregoing certificate, is now, and was at the time of signing, DATA ADMINISTRATOR, NATIONAL CLIMATIC DATA CENTER, and that all faith and credit should be given his certificate as such. I further state that I am the person to whom the said custodian reports.

IN WITNESS WHEREOF, I have hereunto subscribed my name and caused the seal of the Department of Commerce to be

affixed on this date: **MAR 25 1993**

For the SECRETARY OF COMMERCE:



For KENNETH D. HADEEN
DIRECTOR, NATIONAL CLIMATIC DATA CENTER
(Certifying Officer)



MET-10A (1-85)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION NEW YORK (JFK API), NY		DATE JULY 17, 1990		TO CONVERT LST TO GMT ADD 05 hrs. SUBTRACT hrs	
TYPE	TIME (EST)	SKY AND CEILING (Hundreds of feet)		VISI- BILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS (Hrs)	TEMP (deg F)	DIR (100-36)	SPEED (Kts)	HIND CHAR- ACTER	ALTIMETER SETTING (In)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS			
		(13)	(14)	(15)	(16)										(17)	(18)	(19)
SA	0050	220SCT	13	30232	40240	55000 80002 333	240	72	59	24	05	024	500 1002 86				
SA	0150	74486 32971 22405 10222 20150	30232	40240		10300 20194	243	72	70000	555	91706	025					
SA	0350	220SCT	11			243	72	61	25	04	025						
SA	0450	130SCT220SCT	6			243	72	62	25	06	025						
SA	0550	150SCT220BKN	6			252	71	64	24	07	027		210 1072				
SA	0650	150SCT250SCT	5			254	73	65	27	05	028						
SA	0750	220SCT	5			257	74	65	26	05	029		207 1009 70				
SA	0850	74486 31958 12605 10233 20183	30249	40257		333	10300	20211	555	91712	029						
SA	0950	250SCT	4			257	77	65	25	05	029						
SA	1050	250SCT	4			254	80	68	24	06	029		FEW AC				
SA	1150	250SCT	5			252	82	67	24	07	028		FEW CU N-NE / 803 1102				
SA	1250	250BKN	8			252	83	64	24	09	028		FEW CU N-E				
SA	1350	74486 32663 52210 10294 20189	30239	40247		247	85	63	25	09	027		FEW CU N-NE				
SA	1450	250BKN	7			10300	20211	555	91718	18H17	026		FEW CU NH-NE / 807 1108 7				
SA	1550	250-BKN	5			242	82	68	22	11	025		FEW CU NH-N HAZY				
SA	1650	250-BKN	5			240	82	69	22	11	024		FEW CU N-NE				
SA	1750	230BKN	7			238	81	68	21	10	024		608 1001				
SA	1850	220-BKN	7			230	78	66	22	12	022		HAZY				
SA	1950	74486 31961 62211 10228 20200	30222	40230		230	76	67	22	11	021		HAZY				
SA	2050	220-SCT	8			233	73	68	22	11	021		HAZY / 608 1008 86				
SA	2150	220-SCT	8			233	75	68	22	09	022						
SA	2250	220-SCT	8			237	73	68	23	07	023		210 1001				
SA	2350	220-SCT	7			240	73	68	24	07	024						
SA	CLR	220-SCT	8			237	74	67	25	08	023						

A synoptic observation, in HMO code format FM12-VII, is entered on line following related aviation observation.
 FM12-VII: IIII IRIHVY Nddff 1snTT 2snTdTdTD 3PcPoPoPo 4PPPP 5pppp 6RRRIR 7MMH1W2 8NHCIcMcH

MF1-10A (1-85)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE SURFACE WEATHER OBSERVATIONS										STATION NEW YORK (LAGUARDIA APT, NY)			TO CONVERT LST TO GMT ADD 05 hrs. SUBTRACT _____ hrs	
TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISI- BILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Hbs.)	(TEMP (deg F))	(DEW PT (deg F))	WIND		ALTIMETER (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS			
			SFC	THR					DIR (100-36)	SPEED (Kts.)				CHAR- ACTER		
(1)	(2)	(3)	(4)	(4a)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
SA	0050	2205CT	12			244	77	73	23	07	025	207 1002 86				
SA	0150	72503 32959 22307 10250 20228	30232	40244	52007 80002 333	10300	20239	70000	555	91706	025					
SA	0250	2205CT	15			244	76	63	25	07	025					
SA	0350	E2508KN	15			245	75	63			025	307 1002				
SA	0450	E2208KN	12			251	75	64	21	08	028					
SA	0550	2205CT	10			254	74	64	24	06	028	FEW AC E-S				
SA	0650	2205CT	7			257	75	65	29	07	029	210 74				
SA	0750	CLR	5		H	261	76	66	29	06	030					
SA	0850	72503 31958 02906 10244 20189	30249	40261	52010 70511 333	10300	20233	555	1075	08607	15011					
SA	0950	2205CT	6		H	261	79	66	28	06	030					
SA	1050	2205CT	6		H	257	82	64	31	07	029					
SA	1150	E2208KN	9		H	254	84	63	29	05	028	FEW CU/ 807 1102				
SA	1250	E2208KN	10			251	86	66	29	09	027	FEW CU				
SA	1350	505CT220-BKN	9			251	88	66	25	11	027	MND 22V28				
SA	1450	505CT220-BKN	9			247	87	65	27	12	026	MND CU AL005/ 707 1201 7				
SA	1550	72503 32764 62712 10306 20183	30235	40247	57007 81201 333	10311	20233	555	91718	15017	024	MOT CU DSNT N AND				
SA	1650	220-BKN	9			240	88	65	23	13	024	MOT CU H				
SA	1750	555CT220-SCT	9			237	89	65	23	12	023	FEW CU/ 610 1102				
SA	1850	E2208KN	9			237	86	68	19	09	023					
SA	1950	E2208KN	9			230	84	63	19	11	021					
SA	2050	220-DVC	8			230	87	66	22	10	021					
SA	2150	E2208KN	9			230	85	65	23	09	021	607 1002 89				
SA	2250	72503 32964 72309 10294 20183	30218	40230	56007 80002 333	10317	20233	555	1082	08907	15023					
SA	2350	220-BKN	8			234	84	65	23	09	022					
SA	2450	220-BKN	8			237	82	67	22	07	023					
SA	2550	220-BKN	8			240	81	68	21	09	024	210 1001				
SA	2650	220-SCT	8			240	81	68	23	10	024					
SA	2750	220-SCT	8			237	80	69	26	10	023					

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.
 FM12-VII: IIII IRIHXVY Nddff 1snTTT 2snIdIdId 3PaPaPaPa 4PPPP 5app 6RRRr 7mHhH2 8NhcICmCh

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE SURFACE WEATHER OBSERVATIONS

CLOUDS AND OBSCURING PHENOMENA

TIME (LST)	STATION PRESSURE (Ings)	DRY BULB (deg F)	WET BULB (deg F)	RELATIVE HUMIDITY (%)	TOTAL SKY COVER	LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER			PRESSURE TENDENCY (Ings)	NET 3HR CHG (Ings)	SUNSHINE (Ings)	PRECIPITATION (Ings)
						AMT	TYPE	HGT	AMT	TYPE	HGT	AMT	TYPE	HGT	AMT	TYPE	HGT				
0050	30215	77.0	74.3	87.5	2	2	2	220									2	2	020	.00	
0150	30215	75.0	67.8	64.2	2	2	2	220									2	2	020	.00	
0250	30215	76.0	67.5	66.4	6	6	6	E350									6	6	020	.00	
0350	30235	75.0	68.0	68.8	7	7	7	E320									7	3	020	.00	
0450	30245	74.0	67.7	71.1	5	5	5	E220									5	5	030	.00	
0550	30255	75.0	68.6	71.3	3	3	3	AC	3	CI	220	3					3	3	030	.00	
0650	30265	76.0	70.5	64.5	0	1	1	CI									1	1	020	.00	
0750	30265	79.0	70.4	64.6	3	3	3	CU	6	CI	E320	6					6	8	020	.00	
0850	30245	84.0	70.4	49.4	6	6	6	CU	8	CI	E320	8					8	8	020	.00	
0950	30245	86.0	72.7	51.4	6	6	6	CU	8	CI	E320	8					8	8	020	.00	
1050	30235	88.0	73.3	48.0	9	9	9	CU	8	CI	E320	8					9	7	020	.00	
1150	30225	87.0	72.7	46.5	9	9	9	CU	7	CI	E320	7					9	7	020	.00	
1250	30205	88.0	73.0	45.1	4	4	4	CU	7	CI	E320	7					4	6	030	.00	
1350	30195	86.0	73.9	55.1	6	6	6	CU	6	CI	E320	6					6	6	030	.00	
1450	30175	84.0	70.4	49.4	9	9	9	CI	10	CS	E220	10					9	4	020	.00	
1550	30175	85.0	71.8	51.3	9	9	9	CI	8	CI	E220	8					9	6	020	.00	
1650	30185	84.0	71.5	52.9	8	8	8	CI	8	CI	E220	8					8	6	020	.00	
1750	30195	82.0	72.1	60.6	7	7	7	CI	6	CI	E220	6					7	3	030	.00	
1850	30205	81.0	72.4	64.8	7	7	7	CI	5	CI	E220	5					7	3	030	.00	
1950	30205	81.0	72.4	64.8	5	5	5	CI	5	CI	E220	5					5	2	030	.00	
2050	30195	80.0	72.7	69.2	5	5	5	CI									5	2	030	.00	

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST)	NO.	PRECIP (Ings)	SNOW FALL (Ings)	SNOW DEPTH (Ings)	SNOW MAX TEMP (deg F)	SNOW MIN TEMP (deg F)	STATE OF GRND.	PREC ORIG (Ings)	TEMP (deg F)	SOIL TEMP.						
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
MID.	MID.	MID.	MID.	MID.	MID.	MID.	MID.	MID.	MID.	MID.	MID.	MID.	MID.	MID.	MID.	MID.	MID.

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

24HR MAX TEMP (deg F)	24HR MIN TEMP (deg F)	24HR PRECIP (Ings)	24HR SNOW FALL (Ings)	24HR SNOW DEPTH (Ings)	SPD (Kts)	DIR	TIME (LST)	ICE ON WATER	PEAK WIND	STATE OF GRND	FROZEN GRND	RIVER GAGE	BASE	TOP	SKY COVER	WATER EQUIV
85	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82
89	74	0.00	0.0	0	21	5	1521					6	6	6	6	6

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0438 SUNSET 1925

TOTAL SUNSHINE (MIN) % OF POSSIBLE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED (MPH) OR FASTEST (MPH) DIRECTION

TIME CHECKS: 0010E // 0700E // 1700E // 1700C// OBSERVATION AT 0050E SHOULD HAVE A DEWPOINT OF 63 ENTERED IN COL 8 NOT 73//SYNOPTIC OBSERVATION AT 0050E SHOULD HAVE A 25NTOTD TO GROUP OF 20172 NOT 20228//PK WIND IS LAST OF SEVERAL OCCURRENCES//MONTHLY PRECIP. 1.68//YEARLY PRECIP. 1.25.14//RS=00//SP=00// 0250 "A" SIDE CREATED BY DC/MINUS WINDS.

STATION PRESSURE COMPUTATIONS

TIME (LST)	59	0045	0645	1245	1845
ATT. THERM.	60				
OBSRVD. BAR.	61				
TOTAL CORR.	62				
STA. PRESS.	63				
BAROGRAPH	64	30.195	30.250	30.215	30.175
BAR. CORR.	65	+0.020	+0.015	+0.010	+0.000

HEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	86	87	88
H	0630	0900			

HFI-10A (11-85) STATION NEW YORK (LAGUARDIA AP), NY
 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEANIC AND ATMOSPHERIC SERVICE NATIONAL WEATHER SERVICE
 SURFACE WEATHER OBSERVATIONS

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISI-BILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS (Inches)	TEMP (deg. F)	DEW PT (deg. F)	DIR (100-36)	SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
			SFC	THR										
SA	0050	2205CT	12	12	(5)	244	77	73	23	07		025	207 1002 86	(15)
SA	0150	72503 32559 22307 10250 20228	30232	40244	52007 80002 333	10300	20233	70000	555	91706	1RH05	025		
SA	0250	2205CT	15	15		244	76	63	25	07		025		
SA	0350	E250BKN	15	15		245	75	63				025		
SA	0450	E220BKN	12	12		251	75	64	21	08		027	307 1002	
SA	0550	2205CT	10	10		254	74	64	24	06		028	FEH AC E-S	
SA	0650	2205CT	7	7		257	75	65	29	07		029	210 74	
SA	0750	CLR	5	5	H	261	76	66	29	06		030		
SA	0850	72503 31958 01906 10244 20189	30249	40261	52010 70511 333	10300	20233	555	1075	08607	91712	1SD11		
SA	0950	2205CT	6	6	M	261	79	66	28	06		030		
SA	1050	2205CT	6	6	H	257	82	64	31	07		029	FEH CU/ 807 1102	
SA	1150	E220BKN	9	9		254	84	63	29	05		028	FEH CU	
SA	1250	E220BKN	10	10		251	86	66	29	09		027	HND 22V28	
SA	1350	505CT220-BKN	9	9		251	88	66	25	11		027	MDT CU AL0DS/ 707 1201 7	
SA	1450	505CT220-BKN	7	7		247	87	65	27	12		026		
SA	1550	72503 32764 62712 10306 20183	30235	40247	57007 81201 333	10311	20233	555	91718	15017		024	MDT CU DSNT N AND S	
SA	1650	220-BKN	9	9		240	88	65	23	13		023	MDT CU W	
SA	1750	555CT220-SCT	9	9		237	89	65	23	12		023	FEH CU/ 610 1102	
SA	1850	E220BKN	9	9		230	86	68	19	09		021		
SA	1950	E220BKN	8	8		230	84	63	19	11		021		
SA	2050	220-OVC	8	8		230	87	66	22	10		021	607 1002 89	
SA	2150	E220BKN	9	9		230	85	65	23	09		1SD23		
SA	2250	72503 32964 72309 10294 20183	30218	40230	56007 80002 333	10317	20233	555	1082	08907	91800	022		
SA	2350	220-BKN	8	8		234	84	65	23	09		022		
SA	2450	220-BKN	8	8		237	82	67	22	07		023		
SA	2550	220-BKN	8	8		240	81	68	21	09		024	210 1001	
SA	2650	220-SCT	8	8		240	81	68	23	10		024		
SA	2750	220-SCT	8	8		237	80	69	26	10		023		

A synoptic observation, in WMO code format FM12-VII, is entered on line following related aviation observation.
 FM12-VII: III: IR: XHYV Ndoff 1snTTT 2snIdId 3PoPoPoPo 4pppp 5appp 6RRRtR 7wHhH2 8NHClCmCh

TIME (LST)	STATION PRESSURE (In)	DRY BULB (deg F)	WET BULB (deg F)	RELATIVE HUMIDITY (%)	CLOUDS AND OBSCURING PHENOMENA												PRECIPITATION (In)									
					LOWEST LAYER			SECOND LAYER			THIRD LAYER			FOURTH LAYER				TOTAL OPAQUE PRESSURE (In)	NET 3HR CHANGE (In)	SUNSHINE (MIN)						
					AMT	TYPE	HGT	AMT	TYPE	HGT	AMT	TYPE	HGT	AMT	TYPE	HGT										
16	30195	18	74.3	77.0	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
0050	30215	77.0	74.3	87.5	2	CI	220															2	020			.00
0150	30215	77.0	64.2	64.2	2	CI	220															2	020			.00
0250	30215	75.0	66.4	66.4	6	CI	E250															6	020			.00
0350	30235	75.0	68.0	68.0	7	CI	E220															7	030			.00
0450	30245	74.0	67.7	71.1	5	CI	220															5	030			.00
0550	30255	75.0	68.6	71.3	0	AC	150	3	CI	220	3											0	030			.00
0650	30265	76.0	69.5	70.5	0	CI	220															1	020			.00
0750	30275	79.0	70.4	70.5	3	CI	220															2	030			.00
0850	30285	82.0	70.4	70.4	6	CU	45	6	CI	E220	6											2	020			.00
0950	30295	86.0	72.7	71.4	8	CU	45	8	CU	E220	8											2	020			.00
1050	30305	86.0	73.3	48.2	9	CU	50	9	CU	E220	9											2	020			.00
1150	30315	87.0	72.5	48.0	9	CU	50	7	CU	E220	7											2	020			.00
1250	30325	88.0	72.7	46.5	7	CU	50	7	CU	E220	7											2	020			.00
1350	30335	88.0	73.0	45.1	4	CU	55	3	CU	E220	4											2	030			.00
1450	30345	89.0	73.0	55.1	6	CU	55	6	CU	E220	6											2	030			.00
1550	30355	86.0	73.9	49.4	9	CU	55	5	CU	E220	5											2	020			.00
1650	30365	84.0	70.4	49.4	10	CU	55	10	CU	E220	10											2	020			.00
1750	30375	87.0	73.0	49.8	10	CU	55	10	CU	E220	10											2	020			.00
1850	30385	85.0	71.8	51.3	9	CU	55	9	CU	E220	9											2	020			.00
1950	30395	84.0	71.5	52.9	8	CU	55	8	CU	E220	8											2	020			.00
2050	30405	82.0	72.4	50.6	6	CU	55	6	CU	E220	6											2	030			.00
2150	30415	81.0	72.4	54.8	6	CU	55	6	CU	E220	6											2	030			.00
2250	30425	81.0	72.4	64.8	5	CU	55	5	CU	E220	5											2	030			.00
2350	30435	80.0	72.7	69.2	5	CU	55	5	CU	E220	5											2	030			.00

TIME (LST)	TIME (GMT)	ATT. THERM.	OBSRVD BAR.	TOTAL CORR.	STA. PRESS.	BAROGRAPH	BAR. CORR.
MID. 10	0045	60	61	62	63	64	65
0045	0645						
0645	1245						
1245	1845						
1845	0000						
MID.							

TIME (LST)	59	0045	0645	1245	1845
59	0045	0645	1245	1845	
0045	0645	1245	1845		
0645	1245	1845			
1245	1845				
1845					

TIME (LST)	59	0045	0645	1245	1845
59	0045	0645	1245	1845	
0045	0645	1245	1845		
0645	1245	1845			
1245	1845				
1845					

STATION PRESSURE COMPUTATIONS
 TYPE 82
 BEGAN ENDED TYPE BEGAN ENDED
 83 84 86 87 88
 0630 0900
 H

SYNOPTIC OBSERVATIONS
 SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)
 STATE OF GRND. 50
 PREC. ORIG. 49
 MIN TEMP. 47
 MAX TEMP. 48
 SNOW FALL DEPTH (In) 45
 SNOW DEPTH (In) 46
 SNOW ON GROUND (In) 50
 ICE ON WATER 74
 PEAK WIND DIR 72
 PEAK WIND SPD (Kts) 71
 24HR SNOW FALL (In) 69
 24HR SNOW DEPTH (In) 70
 24HR PRECIP (In) 68
 24HR WIND SPEED (MPH) 15
 % OF POSSIBLE SUNSHINE 23
 CHARACTER OF SUNRISE
 CHARACTER OF SUNSET
 DIRECTION 23
 TIME 1350

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA
 TIME: SUNRISE 0438
 TOTAL SUNSHINE (MIN) 23
 FASTEST OBSERVED 1-MINUTE WIND SPEED (MPH) 15
 OR FASTEST MILE IMPH
 TIME CHECK = 0010E // 0700E // 1700E // /NCDC//OBSERVATION AT 0050E SHOULD HAVE A DEWPOINT OF 63 ENTERED IN COL 8 NOT 73//SYNOPTIC OBSERVATION AT 0050E SHOULD HAVE A 2SNTDTOTD GROUP OF 201/2 NOT 20228//PK WND IS LAST OF SEVERAL OCCURRENCES//MONTHLY PRECIP. 1.68//YEARLY PRECIP. 4.25.14//RS=00//SP=00// 0250 "A" SIDE CREATED BY 00/MINUS HINDS.

KEY TO AVIATION WEATHER OBSERVATIONS

<p>LOCATION IDENTIFIER TYPE AND TIME OF REPORT MCI SA #758</p>	<p>SKY AND CEILING 15 SCT M25 OVC</p>	<p>VISIBILITY WEATHER AND OBSTRUCTION TO VISION 1R-F</p>	<p>SEA-LEVEL PRESSURE 132</p>	<p>TEMPERATURE AND DEW POINT /58/58</p>	<p>WIND /1897</p>	<p>ALTIMETER SETTING /993/</p>	<p>REMARKS AND CODED DATA R01VR20V44</p>
<p>SKY AND CEILING Sky cover contractions are for each layer in ascending order. Figures preceding contractions are base heights in hundreds of feet above station elevation. Sky cover contractions used are: CLR - Clear. Less than 1/8 sky cover. SCT - Scattered 1/8 to 5/8 sky cover. BKN - Broken: 6 to 9 sky cover. OVC - Overcast: More than 9 sky cover. -- - Thin (When prefixed to SCT, BKN, OVC). -X - Partly obscured: 9 or less of sky hidden by precipitation or obstruction to vision (bases at surface). X - Obscured: 1/8 sky hidden by precipitation or obstruction to vision (bases at surface) A letter preceding the height of a base identifies a ceiling layer and indicates how ceiling height was determined. Thus: E - Estimated M - Measured W - Vertical visibility into obscured sky V - Immediately following the height of a base indicates a variable ceiling.</p> <p>VISIBILITY Reported in statute miles and fractions (V - Variable)</p> <p>WEATHER AND OBSTRUCTION TO VISION SYMBOLS A Hail BC Blowing dust BN Blowing sand BS Blowing snow D Dust F Fog Gf Ground fog H Haze IC Ice crystals IF Ice fog IP Ice pellets IPW Ice pellet showers K Smoke L Drizzle R Rain RW Rain showers S Snow SG Snow grains SP Snow pellets SW Snow showers T Thunderstorms T+ Severe thunderstorm ZL Freezing drizzle ZR Freezing rain Precipitation intensities are indicated thus: - Light; (no sign) Moderate; + Heavy</p> <p>WIND Direction in tenths of degrees from true north, speed in knots. 0000 indicates calm. G indicates gusty. Q indicates Squalls. Peak wind speed in the past 10 minutes follows G or Q when gusts or squalls are reported. The contraction WSHFT, followed by GMT time group in remarks, indicates windshift and its time of occurrence. (Knots x 1.15 = statute mi/hr). EXAMPLES: 3627 - wind from 360 Degrees at 27 knots; 3627G40 - wind from 360 Degrees at 27 knots, peak speed in gusts 40 knots</p> <p>ALTIMETER SETTING The first figure of the actual altimeter setting is always omitted from the report.</p> <p>TYPE OF REPORT SA - a scheduled record observation SP - an unscheduled special observation indicating a significant change in one or more elements RS - a scheduled record observation that also qualifies as a special observation The designator for all three types of observations (SA, SP, RS) is followed by a 24 hour-clock-time group in Greenwich Mean Time (GMT) or Z).</p> <p>DECODED REPORT Kansas City International. Record observation completed at 0758 GMT 1500 feet scattered clouds, measured ceiling 2500 feet overcast, visibility 1 mile, light rain, fog, sea-level pressure 1013.2 millibars, temperature 58.0F, dewpoint 56.0F, wind from 1800, at 7 knots, altimeter setting 29.93 inches. Runway 01, visual range 2000 feet lowest 4000 feet highest in the past 10 minutes.</p> <p>RUNWAY VISUAL RANGE (RVR) RVR is reported from some stations. For planning purposes, the value range during 10 minutes prior to observations and based on runway light setting 5 are reported in hundreds of feet. Runway identification precedes RVR report.</p> <p>PILOT REPORTS (PIREPs) When available, PIREPs in fixed-format may be appended to weather observations. PIREPs are designated by UA or UUA for urgent PIREPs.</p>							

U.S. DEPARTMENT OF COMMERCE—NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION—NATIONAL WEATHER SERVICE

FOR EXAMPLE
1200 LST
EQUALS

TO CONVERT TO
GMT ADD

TO CONVERT
TO LST
SUBTRACT

4 hours	1600 GMT
5 hours	1700 GMT
6 hours	1800 GMT
7 hours	1900 GMT
8 hours	2000 GMT
9 hours	2100 GMT
10 hours	2200 GMT
11 hours	2300 GMT

STANDARD TIME ZONE

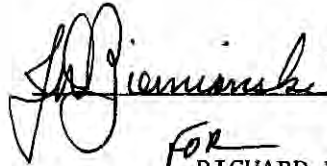
- Atlantic Standard Time
- Eastern Standard Time
- Central Standard Time
- Mountain Standard Time
- Pacific Standard Time
- Yukon Standard Time
- Alaska-Hawaii Standard Time
- Bering Standard Time

RM CD-64
revised)
prescribed by
A.O. 201-17

U.S. DEPARTMENT OF COMMERCE

Asheville, N.C.

I CERTIFY that the attached are authentic and true copies of meteorological records on file in the NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, NORTH CAROLINA.



For
RICHARD M. DAVIS
RECORDS CUSTODIAN
DATA ADMINISTRATOR
(Official Title)

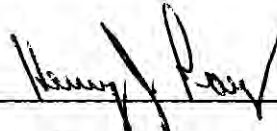
.....

I HEREBY CERTIFY THAT RICHARD M. DAVIS RECORDS CUSTODIAN, who signed the foregoing certificate, is now, and was at the time of signing, DATA ADMINISTRATOR, NATIONAL CLIMATIC DATA CENTER, and that all faith and credit should be given his certificate as such. I further state that I am the person to whom the said custodian reports.

IN WITNESS WHEREOF, I have hereunto subscribed my name and caused the seal of the Department of Commerce to be

affixed on this date: **APR 01 1993**

For the SECRETARY OF COMMERCE:



For
KENNETH D. HADEEN
DIRECTOR, NATIONAL CLIMATIC DATA CENTER
(Certifying Officer)



Central Park NY

WS Form 8-18 NY (10-88)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE										STATION New York CENTRAL PARK, NEW YORK		TO CONVERT LIST TO GMT ADD: <u>5</u> HRS. SUBTRACT: <u> </u> HRS.			
SURFACE WEATHER OBSERVATIONS													DATE JUL 17 1990				
TIME (1)	TOTAL SKY COVER (3)	WEATHER AND OBSTRUCTIONS TO VISION (4)	TEMP (F) (5)	DEW PT (F) (6)	REL HUMIDITY (%) (7)	WIND			SEA LEVEL PRESSURE (INCHES) (11)	SEA LEVEL PRESSURE (HECTA) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	STATION PRESSURE (INCHES) (14)	SLP CORRECTED (INCHES) (15)	PRECIPITATION (INCHES) (16)	WIND (17)		
						DIRECTION (18)	SPEED (MPH) (19)	CHARACTER (20)									
00-01	C		76	63	64	23	06		244	30.25	*	30.155			NC		
01-02	C		77	63	62	24	07		244	30.25	*	30.155			NC		
02-03	C		76	63	64	23	05		247	30.26	*	30.160			NC		
03-04	C		75	64	69	23	06		251	30.27	*	30.180			NC		
04-05	C		75	64	69	23	06		254	30.28	*	30.185 (21)			NC		
05-06	C		74	64	71	26	05		257	30.29	*	30.200 (60)			NC		
06-07	C		75	65	71	27	05		261	30.30	*	30.205 (60)			FM		
07-08	C		76	66	71	25	04		261	30.30	*	30.205 (58)			FM		
08-09	C		79	66	65	27	06		261	30.30	*	30.205 (58)			FM		
09-10	C		82	64	53	29	06		257	30.29	*	30.195 (60)			FM		
10-11	C		84	63	49	29	07		254	30.28	*	30.185 (60)			FM		
11-12	C		86	64	52	24	11		251	30.27	*	30.180 (60)			FM		
12-13	C		88	66	48	24	06		247	30.26	*	30.170 (57)			FM		
13-14	C		87	65	48	25	08		240	30.24	*	30.145 (60)			FM		
14-15	PC		88	65	47	26	09		237	30.23	*	30.140 (50)			JG		
15-16	PC		89	65	46	22	05		254	30.28	*	30.185 (50)			JG		
16-17	PC		83	62	49	23	06		234	30.22	*	30.125 (50)			JG		
17-18	C		82	63	53	24	08		230	30.21	*	30.115 (60)			JG		
18-19	PC		82	62	51	24	05		230	30.21	*	30.115 (45)			EL		
19-20	PC		81	62	53	22	08		234	30.22	*	30.125 (0)			JG		
20-21	PC		80	63	56	21	06		240	30.24	*	30.140			JG		
21-22	PC		79	66	65	22	05		240	30.24	*	30.150			JG		
22-23	PC		78	67	69	23	07		244	30.25	*	30.155			KLS		
23-24	PC		77	66	69	23	08		240	30.24	*	30.145			PS		

SYNOPTIC OBSERVATIONS

TIME (LST) (18)	NO (19)	PRECIP (IN) (20)	SNOW FALL (IN) (21)	SNOW DEPTH (IN) (22)	MAX TEMP (F) (23)	MIN TEMP (F) (24)
MD TO						
0100	1	0	0	0	77	76
0700	2	0	0	0	77	74
1300	3	0	0	0	88	75
1900	4	0	0	0	89	82
MD		0	0	0	82	77

SYMBOLS IN COLUMN 3

- C Clear
- PC Partly Cloudy
- CL Cloudy

SYMBOLS IN COLUMN 4

- R Rain
- S Snow
- D Drizzle
- L Freezing Drizzle
- FR Freezing Rain
- IP Ice Pellets
- T Thunderstorm
- A Mist

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

24 HR MAX TEMP (F) (32)	24 HR MIN TEMP (F) (33)	24 HR PRECIP WATER EQUIV (IN) (34)	24 HR SNOWFALL (IN) (35)	SNOW DEPTH (IN) (36)	PEAK WIND		
					SPEED (MPH) (37)	DIRECTION (38)	TIME (LST) (39)
89	74	0	0	0	14	SW	1637G

(44) REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE 0439E	SUNSET 1925E
TOTAL SUNSHINE 791 (MIN)	PERCENT OF POSSIBLE SUNSHINE 88
FASTEST OBSERVED MINUTE WIND SPEED 13 MPH	OR FASTEST MILE ASSOCIATED DIRECTION 24
CHARACTER OF SUNRISE 	CHARACTER OF SUNSET
TIME CHECK - CLOCK AT: ± Sec/ ± Sec/ ± Sec/	
REMARKS: * TEMP AND DEW POINT TAKEN FROM LGA	

STATION PRESSURE COMPUTATIONS

TIME (LST) (25)	STATION PRESSURE (INCHES) (26)	SLP CORRECTED (INCHES) (27)	SEA LEVEL PRESSURE (INCHES) (28)	SEA LEVEL PRESSURE (HECTA) (29)
0050	0650	1250	1850	
0215	0653	1029	9102	
TOTAL CORR (26)	-0.3	-0.3	-0.3	-0.3
STA PRESS (26)	30.156	30.205	30.170	30.165
BAROGRAPH (26)	30.140	30.185	30.155	30.149
BAR CORR (31)	4.015	0.020	0.152	0.115

WEATHER & OBSTRUCTIONS TO VISION

TYPE (40)	BEGAN (41)	ENDED (42)	TYPE (43)	BEGAN (44)	ENDED (45)

ELD:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
JAY	MAX TMP	MIN TMP	MEAN TMP	HTG DEG	HTG DEG	HTG DEG	HTG DEG	HTG DEG	HTG DEG	HTG DEG	HTG DEG	HTG DEG	HTG DEG	HTG DEG	HTG DEG
01	84	64	74	0	0.50	T	0	0	9	01	280	31	18 S	1423	9
02	76	65	71	0	0.00	0	0	0	13	35	243	27	23 E	1122	6
03	87	64	76	0	0.00	0	0	0	12	22	711	79	20 SSW	1636	11
04	93	71	82	0	0.00	0	0	0	17	26	856	95	25 SW	1701	17
05	95	76	86	0	0.00	0	0	0	17	27	420	47	24 W	1155	21
06	82	68	75	0	0.00	0	0	0	14	06	617	69	1 NE	0711	10
07	83	65	73	0	0.00	0	0	0	12	06	786	88	16 N	0405	8
08	80	65	73	0	0.00	0	0	0	15	17	477	53	21 S	1647	8
09	93	72	83	0	0.11	0	0	0	13	23	298	33	23 SW	0337	18
10	87	73	80	0	0.00	0	0	0	14	31	318	36	20 SW	1635	15
11	76	63	70	0	0.07	0	0	0	8	06	33	4	13 N	0925	5
12	67	58	63	2	0.56	0	0	0	15	04	0	0	24 NE	1657	0
13	70	57	64	1	0.33	0	0	0	15	04	0	0	23 E	0505	0
14	74	64	69	0	0.00	0	0	0	10	06	64	7	16 NE	1645	4
15	84	68	76	0	0.41	0	0	0	13	18	406	46	23 S	1537	11
16	86	76	81	0	0.00	0	0	0	14	26	719	81	21 SW	1410	16
17	89	74	82	0	0.00	0	0	0	13	24	781	88	16 SW	1637	17
18	92	72	82	0	0.00	0	0	0	12	16	757	86	17 SW	1403	17
19	94	74	84	0	0.00	0	0	0	10	29	693	79	15 SW	1120	19
20	91	74	83	0	0.00	0	0	0	14	22	732	83	21 SW	1810	18
21	88	71	80	0	1.13	0	0	0	9	32	165	19	13 NE	1535	15
22	85	71	78	0	0.00	0	0	0	8	10	198	23	12 SE	2236	13
23	87	71	79	0	0.26	0	0	0	13	18	191	22	23 S	1304	14
24	83	69	76	0	0.00	0	0	0	10	04	206	24	16 NW	1430	11
25	89	70	80	0	0.00	0	0	0	13	03	815	93	18 NE	1216	15
26	88	72	80	0	0.00	0	0	0	13	06	431	50	18 ENE	0751	15
27	82	70	76	0	0.00	0	0	0	15	04	210	24	20 NE	1144	11
28	82	71	77	0	0.00	0	0	0	14	04	205	24	20 NE	1237	12
29	86	71	79	0	0.00	0	0	0	12	05	367	42	14 NE	1203	14
30	84	68	76	0	0.00	0	0	0	9	08	320	37	13 NE	0805	11
31	89	68	79	0	0.14	0	0	0	12	34	477	55	17 NW	2239	14

TOTAL 626 2133 M 3 S 3 3 51 T 27450* 12776 47
 AVG 84.7 68.8 76.8
 DEPART. FR NORM M 3 S 3 -0.26
 EXTREM 95 57 1.24 trace 0 17 27
 DATE 5 13 30-01 01

NUMBER OF DAYS WITH:
 MAX: MAX: MIN: MIN: MIN: PTLY
 >=90: <=32: <=32: <=32: <=32: CLEAR CLDY CLDY
 6 0 0 0 0
 PRECIPITATION SNOW
 -T 01+ 10+ .50+ 1.00+ 1.0+
 5 9 B 3 1 0
 + Indicates measurement >= threshold value

FIELD:
 (8) Water equivalent of snow and ice on ground.
 (9) When directions are in tens of degrees, speeds are fastest observed 1-minute values.
 (10) * = Total possible sunshine
 (11) S-B indicates sunrise to sunset and M-N midnight to midnight.
 (12) Entry of 1 indicates occurrence of weather: Weather types are: F=fog, visibility more than 1/4 mile; T=thunderstorm; IP=ice pellets; A=hail; R=rain; S=snow; Z=glaze; D=dust, visibility <1/2 mile; H=smoke and or haze; BB=blowing snow; HF=heavy fog (visibility 1/4 mile or less due to fog).
 (4&15) M=Monthly degree day total; S=Seasonal degree day total.