

APPENDIX 4

LOCAL CLIMATOLOGICAL DATA

Monthly Summary



SEATTLE-TACOMA AIRPORT

LATITUDE 47° 27' N LONGITUDE 122° 18' W ELEVATION (GROUND) 400 FEET TIME ZONE PACIFIC 24233

JUN 1990
SEATTLE SEA-TAC AP, WA

DATE	TEMPERATURE °F						DEGREE DAYS BASE 65°F		WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW ICE PELLETS OR ICE ON GROUND AT 0400 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES ELEV. 450 FEET ABOVE H.S.L.	WIND (M.P.H.)					SUNSHINE		SKY COVER (TENTHS)		
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING ISEASON BEGINS WITH JULY	COOLING ISEASON BEGINS WITH JANU	WATER EQUIVALENT (INCHES)			SNOW, ICE PELLETS (INCHES)	RESULTANT DIR.		RESULTANT SPEED	AVERAGE SPEED	PEAK GUST	DIRECTION	FASTEST MILE	DIRECTION	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	57	48	53	-5	47	12	0	1	0	0.06	0.0	29.530	19	9.7	10.4	23	SW	16	SW	13	1	10	9
02	67	50	59	1	50	6	0	1	0	0.08	0.0	29.570	20	2.0	6.4	20	SE	11	H	423	45	9	10
03	62	48	55	-3	53	10	0	1	0	1.08	0.0	29.490	19	9.4	10.6	23	S	16	S	226	24	10	10
04	63	46	55	-3	48	10	0	1	0	0.06	0.0	29.630	20	7.6	9.1	25	SW	18	SW	470	50	8	8
05	66	49	58	0	48	7	0	0	0	T	0.0	29.490	24	1.1	3.3	15	E	7	NN	474	50	10	10
06	62	52	57	-2	52	8	0	1	0	0.57	0.0	29.360	20	7.8	10.0	26	SW	20	SW	211	22	9	9
07	65	49	57	-2	48	8	0	0	0	T	0.0	29.630	22	7.7	9.7	21	SW	15	SW	655	69	8	8
08	67	51	59	-5	53	6	0	1	0	0.14	0.0	29.570	21	7.1	9.4	21	SW	15	SW	482	51	9	9
09	59	48	54	-5	52	11	0	1	0	0.70	0.0	29.400	30	3.5	6.0	22	SW	16	SW	48	5	10	10
10	58	46*	52*	-7	47	13	0	1 3	0	0.07	0.0	29.485	20	14.4	14.9	32	S	24	S	323	34	10	10
11	64	50	57	-2	46	8	0	0	0	T	0.0	29.590	21	14.2	14.6	28	SW	24	SW	488	51	9	9
12	61	50	56	-4	50	9	0	1	0	0.23	0.0	29.500	16	4.4	8.2	20	SW	16	S	159	17	9	9
13	67	50	59	-1	50	6	0	0	0	T	0.0	29.610	03	2.8	7.4	16	NE	11	NE	430	45	8	8
14	76	52	64	4	51	1	0	0	0	0.00	0.0	29.530	35	5.2	6.9	18	N	12	N	797	83	2	2
15	70	51	61	1	54	4	0	2	0	0.00	0.0	29.460	21	8.9	9.3	15	SW	12	SW	507	53	5	5
16	64	50	57	-3	49	8	0	1	0	0.01	0.0	29.530	21	9.0	9.4	17	SW	14	SW	445	47	9	8
17	72	50	61	1	50	4	0	0	0	T	0.0	29.620	30	4.3	5.8	20	NN	13	NN	673	70	6	6
18	73	51	62	1	53	3	0	2	0	0.00	0.0	29.710	21	3.7	6.6	13	SW	10	SW	433	45	8	7
19	72	54	63	2	54	2	0	0	0	0.00	0.0	29.780	25	4.5	7.8	17	SW	10	SW	587	61	7	8
20	75	58	67	6	54	0	0	2	0	0.00	0.0	29.685	36	9.7	10.7	18	NE	16	NE	793	83	5	5
21	84*	57	71*	10	56	0	6	0	0	0.00	0.0	29.450	01	10.7	11.3	22	N	19	N	883	92	1	1
22	73	55	64	3	57	1	0	1 3	0	0.02	0.0	29.330	24	5.1	7.8	21	SW	14	SW	291	30	9	8
23	68	53	61	0	51	4	0	1	0	T	0.0	29.510	24	5.5	7.6	17	SW	12	SW	624	65	6	6
24	72	50	61	-1	51	4	0	0	0	0.00	0.0	29.550	21	6.1	7.1	16	SW	8	S	851	89	2	2
25	68	50	59	-3	50	6	0	0	0	0.00	0.0	29.640	22	4.8	6.3	16	SE	9	SW	668	70	10	8
26	71	50	61	-1	49	4	0	0	0	0.00	0.0	29.640	29	3.9	5.9	14	NN	8	N	851	89	5	5
27	73	51	62	0	53	3	0	0	0	T	0.0	29.500	22	4.2	7.1	20	SW	15	SW	742	78	10	8
28	73	56	65	3	56	0	0	0	0	0.02	0.0	29.465	22	5.1	6.5	16	SW	11	SW	661	69	9	9
29	79	55	67	4	56	0	0	2	0	0.00	0.0	29.405	22	5.2	6.2	16	SW	11	SW	803	84	4	5
30	72	57	65	2	53	0	0	0	0	0.01	0.0	29.530	23	5.7	7.9	16	S	13	S	532	56	9	9
SUN	SUN					TOTAL	TOTAL			TOTAL	TOTAL	FOR THE MONTH:					TOTAL	%	SUN	SUN			
2053	1537					158	10			3.05	0.0	29.540	22	4.1	8.3	32	S	24	SW	15543	54	226	221
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	DEP.			PRECIPITATION	DEP.						DATE: 10	DATE: 11+		POSSIBLE MONTH	AVG.	AVG.	
68.4	51.2	59.8	-0.4	51.2	-11	-15				≥ .01 INCH	1.67									28609	54	7.5	7.4
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES					GREATEST DEPTH ON GROUND OF								
						TOTAL	TOTAL	≥ 1.0 INCH							SNOW, ICE PELLETS OR ICE AND DATE								
MAXIMUM TEMP.		MINIMUM TEMP.		4492		10		THUNDERSTORMS		2		PRECIPITATION		SNOW, ICE PELLETS		0							
≥ 90°		≤ 32°		≤ 32°		≤ 0°		DEP.		HEAVY FOG		2		1.1; 02-03		0.0							
0		0		0		0		-629		-15		CLEAR		3		PARTLY CLOUDY		7		CLOUDY		20	

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
+ TRACE AMOUNT.
+ ALSO ON EARLIER DATE(S).
HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.
BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 21 OR MORE OBSERVATIONS AT HOURLY INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. COLS 16 & 17: PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED. ONE OF TWO WIND SPEEDS IS GIVEN UNDER COLS 18 & 19: FASTEST MILE - HIGHEST RECORDED SPEED FOR WHICH A MILE OF WIND PASSES STATION (DIRECTION IN COMPASS POINTS). FASTEST OBSERVED ONE MINUTE WIND - HIGHEST ONE MINUTE SPEED (DIRECTION IN TENS OF DEGREES). ERRORS WILL BE CORRECTED IN SUBSEQUENT PUBLICATIONS.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER

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NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

Kenneth D. Wadsworth
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

JUN 1990 SEATTLE SEA-TAC AP, WA 24233

HOUR L.S.T.	SKY COVER (TENTHS)			VISI-BILITY		TEMPERATURE			WIND			WEATHER	TEMPERATURE			WIND			WEATHER	TEMPERATURE			WIND													
	01	04	07	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION		SPEED (KNOTS)	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION		SPEED (KNOTS)	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)										
JUN 19th																																				
01	10	18	15				57	55	54	90	22	6	10	21	15				60	57	55	84	36	7	0	UNL	15				61	56	52	72	03	9
04	10	12	15				54	52	51	90	23	8	10	19	15				58	56	54	87	03	8	0	UNL	15				58	55	53	84	02	10
07	10	31	15				55	52	50	83	20	8	10	24	15				58	56	54	87	01	9	0	UNL	50				63	58	55	75	04	8
10	8	29	15				62	57	53	73	25	8	2	UNL	20				67	61	56	68	02	6	0	UNL	50				74	63	55	52	01	13
13	8	UNL	25				66	60	56	70	29	8	2	UNL	30				72	63	57	59	33	10	0	UNL	50				80	67	59	49	35	11
16	8	UNL	15				71	63	58	64	23	6	4	UNL	40				74	63	55	52	35	11	0	UNL	50				83	67	58	43	35	13
19	8	45	15				65	60	56	73	36	9	4	UNL	40				70	60	52	53	34	10	2	UNL	50				81	66	56	42	36	10
22	10	26	15				62	59	56	81	01	6	0	UNL	15				66	58	51	59	04	9	3	UNL	15				70	62	57	64	01	6
JUN 20th																																				
JUN 21st																																				
JUN 22nd																																				
JUN 23rd																																				
JUN 24th																																				
JUN 25th																																				
JUN 26th																																				
JUN 27th																																				
JUN 28th																																				
JUN 29th																																				
JUN 30th																																				

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEN POINT OF				
01	7	29.540	54	53	51	89	8.0	18	4.3
04	8	29.540	53	51	50	91	6.9	18	3.3
07	8	29.550	55	53	51	87	7.6	19	5.1
10	8	29.550	61	56	52	74	9.2	22	5.7
13	7	29.545	65	58	52	64	9.4	24	5.9
16	7	29.530	65	58	51	63	10.5	24	5.7
19	7	29.525	62	56	51	69	9.0	24	3.7
22	7	29.540	57	54	51	81	6.6	24	2.1

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

JUN 1990 24233
SEATTLE SEA-TAC AP, WA

DATE	A.M. HOUR ENDING AT												P.M. HOUR 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				T	0.02	0.02	0.02	T	T	T														01				
02																								02				
03	0.06	0.06	0.19	0.18	0.14	0.08	0.04	T				0.01	T	0.07	0.05	0.01	0.01	0.02	T	T	0.05	0.01	T	0.02	0.02	0.03	03	
04	0.02	0.01	T													0.01	0.02	T	T								04	
05																											05	
06				T	T	0.01	0.09	0.19	0.13	0.13	T	T		0.02	T												06	
07		T	T																								07	
08	T	0.03	0.02	0.02	0.03	0.02	0.02	T																	T	T	T	08
09																												09
10	0.03	T												T	0.03	0.05	0.10	0.05	0.05	0.05	0.02	0.11	0.07	0.10	0.07	0.07	10	
11	T	T																										11
12	T	T	0.01	T	T	T																						12
13	T																											13
14																												14
15																												15
16	T	T	0.01		T	T																						16
17			T																									17
18																												18
19																												19
20																												20
21																												21
22																												22
23	T	T															0.02	T	T									23
24																												24
25																												25
26																												26
27																												27
28				T	0.01	T	T	T						0.01			T	T	T	T								28
29																												29
30			T																									30

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.07	0.08	0.08	0.09	0.12	0.18	0.22	0.27	0.34	0.40	0.47	0.52
ENDED: DATE	03	03	03	03	03	03	03	03	03	03	03	03
ENDED: TIME	1224	2006	2006	2016	0429	0321	0315	0333	0429	0434	0434	0514

THE PRECIPITATION AMOUNTS FOR THE INDICATED TIME INTERVALS MAY OCCUR AT ANY TIME DURING THE MONTH. THE TIME INDICATED IS THE ENDING TIME OF THE INTERVAL. DATE AND TIME ARE NOT ENTERED FOR TRACE AMOUNTS.

VALIDATED BY:
DON GRISINGER

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LOCAL CLIMATOLOGICAL DATA Monthly Summary



SEATTLE-TACOMA AIRPORT

LATITUDE 47° 27' N LONGITUDE 122° 18' W ELEVATION (GROUND) 400 FEET TIME ZONE PACIFIC 24233

DATE	TEMPERATURE °F						DEGREE DAYS BASE 65°F		WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW ICE PELLETS OR ICE ON GROUND AT 0400 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES ELEV. 450 FEET ABOVE M.S.L.	WIND (M.P.H.)				SUNSHINE		SKY COVER (TENTHS)			
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING ISEASON BEGINS WITH JUL 7A	COOLING ISEASON BEGINS WITH JAN 7B	WATER EQUIVALENT (INCHES)			SNOW, ICE PELLETS (INCHES)	RESULTANT DIR.		RESULTANT SPEED	AVERAGE SPEED	PEAK GUST SPEED	DIRECTION	FASTEST MILE SPEED	DIRECTION	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT
01	70	53	62	-1	52	3	0		0	T	0.0	29.550	22	4.7	5.3	12	S	6	S	539	56	10	10
02	63	51	57*	-6	52	8	0	1	0		0.39	29.500	19	6.1	8.6	24	SW	19	SW	432	45	10	8
03	73	50*	62	-2	49	3	0		0		0.00	29.500	35	5.0	9.1	17	N	15	N	827	87	4	5
04	79	57	68	4	53	0	3		0	T	0.0	29.410	31	3.9	6.6	16	N	15	N	723	76	10	9
05	77	57	67	3	56	0	2	1 3	0		0.17	29.420	21	7.0	8.6	24	S	17	S	543	57	9	9
06	73	55	64	0	55	1	0		0		0.01	29.540	21	7.1	8.1	16	SW	14	SW	604	64	8	8
07	76	56	66	2	55	0	1		0		0.0	29.560	36	6.5	9.0	23	N	17	N	849	90	2	3
08	80	57	69	5	56	0	4		0		0.00	29.515	36	7.8	8.8	20	N	15	N	861	91	2	2
09	81	57	69	5	54	0	4		0		0.00	29.580	01	7.6	8.8	16	N	10	N	895	95	1	1
10	85	59	72	7	53	0	7		0		0.00	29.630	01	8.6	9.5	18	N	11	N	895	95	0	0
11	89	62	76	11	60	0	11		0	T	0.0	29.530	36	4.6	7.0	17	N	12	N	875	93	6	5
12	87	66	77	12	60	0	12		0		0.00	29.570	28	1.5	7.9	17	NW	13	N	874	93	3	3
13	83	55	69	4	54	0	4		0		0.00	29.710	34	5.0	7.1	18	N	13	N	893	95	1	1
14	84	57	71	6	54	0	6		0		0.00	29.580	36	7.1	7.9	23	N	14	N	895	96	0	0
15	88	57	73	8	53	0	8		0		0.00	29.455	36	6.9	7.9	21	N	17	N	889	95	0	1
16	78	54	66	1	51	0	1		0		0.00	29.550	25	4.4	6.7	15	S	10	NE	871	93	1	2
17	79	51	65	0	52	0	0		0		0.00	29.630	29	3.9	7.1	17	N	12	N	879	94	0	0
18	82	56	69	4	50	0	4		0		0.00	29.610	35	7.8	9.2	17	NW	14	NE	890	96	0	0
19	85	60	73	8	52	0	8		0		0.00	29.550	01	9.4	10.1	21	N	14	N	891	96	0	0
20	90	59	75	10	55	0	10		0		0.00	29.530	35	4.8	6.8	15	N	12	NW	878	95	0	0
21	94*	61	78*	13	55	0	13		0		0.00	29.490	35	6.0	7.1	16	N	12	NW	867	94	0	1
22	87	58	73	8	57	0	8		0		0.00	29.440	21	7.5	8.0	17	SW	15	SW	800	87	7	7
23	70	57	64	-2	54	1	0		0		0.00	29.460	22	8.2	8.4	18	SW	12	S	240	26	10	10
24	67	55	61	-5	53	4	0		0		0.00	29.450	21	6.6	6.9	18	S	12	SW	45	5	10	10
25	62	56	59	-7	55	6	0		0		0.01	29.520	19	6.9	8.6	16	SW	10	SW	0	0	10	10
26	66	58	62	-4	54	3	0		0		0.00	29.670	21	6.7	7.4	13	SW	9	SW	103	11	10	10
27	75	55	65	-1	55	0	0		0		0.00	29.680	32	5.4	7.4	18	N	14	NW	712	78	5	5
28	82	55	69	4	57	0	4		0		0.00	29.600	36	6.4	7.9	18	NW	14	N	834	92	0	0
29	91	60	76	11	59	0	11		0		0.00	29.490	01	7.9	8.2	17	N	12	N	831	92	1	0
30	88	58	73	8	57	0	8		0		0.00	29.590	01	7.9	8.2	17	N	12	N	752	83	4	4
31	71	58	65	0	56	0	0		0		0.00	29.595	22	9.5	10.0	17	S	13	SW	325	36	7	8
SUM	SUM				TOTAL	TOTAL		NUMBER OF DAYS	TOTAL	TOTAL		FOR THE MONTH:							TOTAL	%	SUM	SUM	
2455	1760				29	129		PRECIPITATION	0.58	0.0	29.545	31	2.3	8.0	24	S	19	SW	21512	FAR	132	132	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.		PRECIPITATION	DEP.			DATE: 5+	DATE: 2						PASSIBLE	NUMBER	AVG.	AVG.	
79.2	56.8	68.0	3.2	54.3	-4.7	5.9		> .01 INCH.	4	-0.16									28863	75	4.3	4.3	
NUMBER OF DAYS		SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF															
MAXIMUM TEMP		MINIMUM TEMP		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS															
≥ 90°		≤ 32°		1		0.39		0.0															
3		0		0		-47		44		CLEAR 16		PARTLY CLOUDY 6		CLOUDY 9									

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 † TRACE AMOUNT.
 + ALSO ON EARLIER DATE(S).
 HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 21 OR MORE OBSERVATIONS AT HOURLY INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. COLS 16 & 17: PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED. ONE OF TWO WIND SPEEDS IS GIVEN UNDER COLS 18 & 19: FASTEST MILE - HIGHEST RECORDED SPEED FOR WHICH A MILE OF WIND PASSES STATION (DIRECTION IN COMPASS POINTS). FASTEST OBSERVED ONE MINUTE WIND - HIGHEST ONE MINUTE SPEED (DIRECTION IN TENS OF DEGREES). ERRORS WILL BE CORRECTED IN SUBSEQUENT PUBLICATIONS.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

Kenneth D. Halpern
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

JUL 1990 SEATTLE SEA-TAC AP, WA 24233

HOUR	L.S.T.	VISI-BILITY			TEMPERATURE				WIND			VISI-BILITY	TEMPERATURE				WIND																																							
		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	AIR OF	NET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	AIR OF		NET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																							
JUL 1st																			JUL 2nd																			JUL 3rd																		
01	10	70	15		57	54	52	84	31	3	10	15	10	RW	55	54	53	93	21	5	0	UNL	15		51	50	49	93	18	6																										
04	10	47	15		56	54	53	90	22	5	10	45	6	R	53	53	52	96	20	7	3	UNL	15		51	50	48	90	16	6																										
07	10	49	30		57	55	53	87	23	4	10	11	7	R	53	53	53	100	18	8	2	UNL	50		56	52	48	75	12	5																										
10	10	180	30		64	58	53	68	18	5	10	15	2	RLF	53	53	52	96	02	7	3	UNL	50		66	58	51	59	31	7																										
13	10	200	30		65	57	51	61	26	4	10	21	10	R	58	55	53	84	00	0	4	UNL	50		69	59	52	55	32	10																										
16	10	160	20	R	65	57	51	61	22	5	10	70	10		61	55	50	67	20	11	4	UNL	50		72	59	49	44	34	12																										
19	10	150	15		63	56	50	63	24	7	8	85	20		60	54	49	67	21	10	9	140	30		66	56	48	53	34	10																										
22	10	150	15		58	55	52	81	24	5	2	UNL	15		53	51	49	86	17	9	9	100	15		63	55	48	58	01	9																										
JUL 4th																			JUL 5th																			JUL 6th																		
01	9	100	15		61	55	50	67	35	9	9	200	15		62	56	50	65	20	7	10	60	15		58	56	55	90	21	12																										
04	9	100	15		59	54	49	70	03	7	9	100	15		61	57	53	75	12	5	9	95	15		56	55	54	93	17	8																										
07	9	200	25		63	57	53	70	31	6	7	90	40		65	59	54	68	22	5	9	31	15		58	56	54	87	20	9																										
10	10	160	30		65	59	55	70	34	5	10	90	40		68	61	56	66	24	6	10	30	15		62	58	54	75	19	8																										
13	10	200	30		75	64	57	54	27	7	8	200	40		75	64	57	54	29	6	3	UNL	30		69	60	53	57	23	9																										
16	9	200	30		79	64	53	41	31	8	10	55	10	TRW	64	61	59	84	20	15	8	80	15		63	60	58	84	29	4																										
19	9	200	20		74	64	57	56	31	4	10	47	6	RF	60	60	60	100	23	10	9	75	20		64	60	57	78	22	5																										
22	8	110	15		64	59	56	75	21	8	9	85	10		57	56	55	93	20	12	7	90	15		61	58	56	84	23	7																										
JUL 7th																			JUL 8th																			JUL 9th																		
01	10	20	15		57	56	56	97	22	4	1	UNL	15		61	58	55	81	03	7	1	UNL	15		61	58	55	81	01	7																										
04	10	13	15		57	56	56	97	00	0	0	UNL	15		58	56	55	90	02	4	1	UNL	15		59	55	51	75	02	9																										
07	5	UNL	10		62	59	56	81	09	4	0	10	15		62	59	57	84	01	5	0	UNL	50		64	58	53	68	05	5																										
10	1	UNL	30		69	61	55	61	04	9	5	UNL	30		71	63	58	64	36	8	0	UNL	40		71	62	56	59	29	6																										
13	0	UNL	40		73	63	56	55	36	10	1	UNL	30		77	66	60	56	01	6	0	UNL	40		76	65	57	52	33	7																										
16	1	UNL	50		75	63	55	50	36	11	0	UNL	40		79	64	54	42	35	11	0	UNL	40		80	64	53	39	03	9																										
19	0	UNL	50		69	59	52	55	35	12	0	UNL	50		73	61	53	50	36	10	1	UNL	40		75	63	55	50	36	12																										
22	1	UNL	15		63	58	54	73	36	8	0	UNL	15		66	60	55	68	03	8	0	UNL	15		68	59	52	67	04	10																										
JUL 10th																			JUL 11th																			JUL 12th																		
01	0	UNL	15		63	56	51	65	02	6	0	UNL	15		68	61	56	66	03	7	8	UNL	15		74	67	63	69	12	8																										
04	0	UNL	15		60	55	51	72	02	7	2	UNL	15		63	58	55	75	03	4	2	UNL	15		68	64	61	78	31	5																										
07	0	UNL	50		65	58	52	63	03	8	7	UNL	30		69	62	58	68	05	5	3	UNL	10		64	58	64	71	33	3																										
10	0	UNL	50		74	64	57	56	30	5	5	UNL	20		80	67	59	49	01	10	7	120	10		80	71	66	63	20	6																										
13	0	UNL	50		82	65	53	37	33	8	1	UNL	20		87	70	61	42	02	7	5	UNL	10		82	68	60	47	22	7																										
16	0	UNL	50		85	66	53	33	34	11	8	120	15		84	69	61	46	32	8	0	UNL	15		86	70	62	45	26	9																										
19	0	UNL	50		79	63	51	38	35	13	5	UNL	15		81	69	62	53	29	5	0	UNL	15		83	66	56	40	02	10																										
22	0	UNL	20		73	63	56	55	01	9	9	120	15		74	67	62	66	28	3	0	UNL	15		71	60	51	49	03	7																										
JUL 13th																			JUL 14th																			JUL 15th																		
01	1	UNL	15		62	58	55	78	19	3	0	UNL	15		65	59	55	70	04	8	0	UNL	15		64	58	53	68	36	6																										
04	1	UNL	15		55	55	54	97	00	0	0	UNL	15		58	55	53	84	35	5	0	UNL	15		61	58	55	81	35	4																										
07	0	UNL	40		63	59	55	75	24	3	0	UNL	50		65	59	55	70	02	5	0	UNL	50		69	60	54	59	32	5																										
10	0	UNL	40		72	63	57	59	27	7	0	UNL	50		74	62	54	50	32	6	0	UNL	50		79	63	52	39	34	7																										
13	0	UNL	40		79	64	53	41	02	8	0	UNL	50		79	65	56	45	32	9	1	UNL	50		84	64	51	32	32	9																										
16	4	UNL	40		83	65	52	34	35	10	0	UNL	50		84	65	53	35	33	8	2	UNL	70		86	65	51	30	01	7																										
19	1	UNL	40		77	61	48	36	35	10	1	UNL	50		80	65	55	42	05	8	3	UNL	70		86	63	51	37	33	7																										
22	0	UNL	15		66	58	52	61	36	6	1	UNL	15		73	61	53	50	35	4	0	UNL	15		70	60	51	59	04	12																										
JUL 16th																			JUL 17th																			JUL 18th																		
01	7	60	15		67	54	43	40	03	5	0	UNL	15		57	54	52	84	25	5	0	UNL	15		62	56	51	67	03	7																										
04	7	65	15		55	53	52	90	24	6	1	UNL	15		53	53	52	96	21	3	0	UNL	15		59	54	50	72	03	5																										
07	0	UNL	20		58	54	51	78	23	6	0	UNL	20		57	55	53	87	22	5	0	UNL	50		64	56	50	61	04	8																										
10	0	UNL	20		65	57	51	61	19	8	0	UNL	20		65	57	51	61	26	6	0	UNL	50		72	61	52	50	33	5																										
13	3	UNL	20		72	60	51	48	19	5	0	UNL	30		74	61	52	46	23	7	0	UNL	50		78	63	53	42	32	10																										
16	0	UNL	15		76	61	50	40	29	5	0	UNL	30		78	64	54	44	30	6	1	UNL	50		81	63	50	34	30	12																										
19	0	UNL	25		73	61	52	48	29	6	0	UNL	30		74	63	55	52	36	10	0	UNL	50		77	61	48	36	35	10																										
22	1	UNL	15		60	56	53	78	28	6	0	UNL	15		63	55	49	61	35	7	0	UNL	15		70	58	49	47	02	7																										

WEATHER CODES

- * TORNADO
- T THUNDERSTORM
- Q SQUALL
- R RAIN
- RW RAIN SHOWERS
- ZR FREEZING RAIN
- L DRIZZLE
- ZL FREEZING DRIZZLE
- S SNOW
- SW SNOW SHOWERS
- SG SNOW GRAINS
- SP SNOW PELLETS
- IC ICE CRYSTALS
- IP ICE PELLETS
- IPW ICE PELLET SHOWERS
- A HAIL
- F FOG
- IF ICE FOG
- GF GROUND FOG
- BD BLOWING DUST
- BN BLOWING SAND
- BS BLOWING SNOW
- BY BLOWING SPRAY
- K SMOKE
- H HAZE
- D DUST

CEILING: UNL INDICATES UNLIMITED
 WIND DIRECTION: DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, INDICATED IN TENS OF DEGREES FROM TRUE NORTH: I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. AN ENTRY OF 00 INDICATES CALM
 SPEED: THE OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS (MPH=KNOTS X 1.15).

OBSERVATIONS AT 3-HOUR INTERVALS

JUL 1990 24233
SEATTLE SEA-TAC AP. WA

HOUR L. S. T.	SKY COVER (TENTHS)			VISI-BILITY		TEMPERATURE				WIND		WEATHER	SKY COVER (TENTHS)			VISI-BILITY		TEMPERATURE				WIND		WEATHER	SKY COVER (TENTHS)			VISI-BILITY		TEMPERATURE				WIND																																																																
	0	1	2	WHOLE MILES	16THS MILE	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION		SPEED (KNOTS)	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																																													
JUL 19th																																	JUL 20th																																	JUL 21st																																
01	0	UNL	15			65	57	50	59	04	10						0	UNL	15			69	61	56	63	03	5						0	UNL	15			70	62	57	64	02	4																																																							
04	0	UNL	15			62	55	49	63	03	7						0	UNL	15			61	58	56	84	17	4						0	UNL	15			62	60	59	90	00	0																																																							
07	0	UNL	50			65	57	50	59	03	8						0	UNL	50			68	61	56	66	29	3						0	UNL	50			71	63	58	64	28	4																																																							
10	0	UNL	50			75	62	53	46	05	10						0	UNL	50			77	64	56	48	29	5						0	UNL	40			82	68	60	47	36	5																																																							
13	0	UNL	50			82	65	53	37	02	8						0	UNL	40			86	66	53	32	35	5						0	UNL	50			91	68	54	29	35	9																																																							
16	1	UNL	50			85	67	55	36	35	11						1	UNL	40			88	66	52	29	30	10						1	UNL	50			93	67	51	24	32	9																																																							
19	1	UNL	30			79	63	51	38	34	10						1	UNL	40			84	65	52	33	33	8						1	UNL	50			86	57	51	30	35	9																																																							
22	0	UNL	15			71	61	54	55	01	6						0	UNL	15			78	64	55	45	04	9						1	UNL	15			77	63	53	43	34	7																																																							
JUL 22nd																																	JUL 23rd																																	JUL 24th																																
01	6	120	15			71	61	54	55	00	0						10	15	15			59	56	54	84	20	11						7	35	15			58	56	55	90	00	0																																																							
04	4	UNL	15			65	61	58	78	00	0						10	13	15			58	56	54	87	23	7						9	33	15			57	55	54	90	25	4																																																							
07	7	UNL	40			66	61	57	73	20	6						10	17	10			58	55	53	84	23	7						10	21	10			58	55	53	84	18	3																																																							
10	3	UNL	40			75	64	57	54	20	7						10	21	10			60	56	53	78	20	8						10	17	15			62	57	53	73	20	7																																																							
13	9	UNL	25			83	68	59	44	25	7						10	28	15			64	58	53	68	22	8						10	32	15			63	57	53	70	20	10																																																							
16	10	250	20			86	68	58	39	22	9						9	120	15			66	59	54	65	20	9						10	28	20			64	58	53	68	21	10																																																							
19	9	220	15			70	62	57	64	23	9						10	80	15			64	59	56	75	24	8						10	32	25			61	57	53	75	22	8																																																							
22	8	200	15			60	57	55	84	22	12						8	33	15			60	57	55	84	22	6						10	42	15			59	56	53	81	22	6																																																							
JUL 25th																																	JUL 26th																																	JUL 27th																																
01	10	19	15			58	55	53	84	25	4						10	20	10			59	56	54	84	21	9						10	24	15			59	57	55	87	00	0																																																							
04	10	27	15			57	55	54	90	25	4						10	24	10			58	56	54	87	19	5						10	27	15			57	56	55	93	00	0																																																							
07	10	35	10			57	56	55	93	17	5						10	16	15			59	56	54	84	20	7						10	29	10			60	58	56	87	25	4																																																							
10	10	11	10			57	56	55	93	22	9						10	19	15			60	56	53	78	25	7						8	32	10			68	61	56	66	29	7																																																							
13	10	27	10			60	58	57	90	17	7						10	22	20			63	58	54	73	23	7						4	UNL	15			71	61	54	55	28	7																																																							
16	10	33	10			60	58	57	90	14	10						10	18	15			64	59	56	75	24	8						0	UNL	15			73	62	54	52	31	10																																																							
19	10	55	10			61	58	55	81	21	7						9	31	15			63	58	55	75	19	7						0	UNL	15			70	61	54	57	35	10																																																							
22	10	55	10			60	57	55	84	20	9						10	21	10			58	56	55	90	19	4						0	UNL	15			62	57	53	73	01	6																																																							
JUL 28th																																	JUL 29th																																	JUL 30th																																
01	0	UNL	15			61	58	55	81	02	4						0	UNL	15			68	62	57	68	03	5																																																																							
04	0	UNL	10			55	55	54	97	00	0						1	UNL	15			61	59	57	87	00	0																																																																							
07	0	UNL	7			62	59	56	81	36	4						0	UNL	15			69	64	61	76	02	3																																																																							
10	0	UNL	10			73	64	58	60	01	10						0	UNL	20			79	67	60	52	02	7																																																																							
13	0	UNL	15			79	66	58	49	34	9						0	UNL	25			87	70	60	40	01	10																																																																							
16	0	UNL	15			82	68	59	46	33	11						1	UNL	25			90	71	61	38	35	12																																																																							
19	0	UNL	15			76	65	57	52	34	12						2	UNL	15			84	68	58	41	35	10																																																																							
22	0	UNL	15			73	65	59	62	04	9						1	UNL	15			78	65	57	49	02	5																																																																							
JUL 31st																																																																																																		
01	10	9	15			59	57	56	90	22	9																																																																																							
04	10	13	15			59	57	55	87	19	10																																																																																							
07	10	13	10			60	57	55	84	20	8																																																																																							
10	10	17	15			63	58	55	75	23	9																																																																																							
13	10	21	20			66	60	56	70	23	9																																																																																							
16	1	UNL	20			71	63	58	64	26	7																																																																																							
19	1	UNL	25			67	62	59	76	25	8																																																																																							
22	9	27	15			61	59	57	87	23	9																																																																																							

SUMMARY BY HOURS

HOUR L. S. T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEN POINT OF				
01	5	29.540	62	57	54	75	6.8	01	0.7
04	5	29.550	58	56	54	85	5.0	22	0.3
07	5	29.570	63	58	55	76	6.2	23	0.9
10	4	29.570	69	61	55	62	8.1	29	2.7
13	4	29.550	75	63	55	52	8.6	30	4.2
16	4	29.530	77	63	55	49	10.7	31	5.5
19	4	29.520	72	62	54	55	10.2	32	5.8
22	4	29.540	66	59	54	68	8.6	35	1.8

AUG 1990
 SEATTLE SEA-TAC AP, WA
 NAT'L WEA SER CONTRACT MET OBS
 SEA-TAC INT'L AP

ISSN 0198-5450

LOCAL CLIMATOLOGICAL DATA Monthly Summary



SEATTLE-TACOMA AIRPORT

LATITUDE 47° 27' N LONGITUDE 122° 18' W ELEVATION (GROUND) 400 FEET TIME ZONE PACIFIC 24233

SEATTLE SEA-TAC AP, WA
 AUG 1990

DATE	TEMPERATURE °F					DEGREE DAYS BASE 65°F		WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW ICE PELLETS OR ICE ON GROUND AT 0400 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES ELEV. 450 FEET ABOVE M.S.L.	WIND (M.P.H.)				SUNSHINE		SKY COVER (TENTHS)				
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEN POINT	HEATING SEASON BEGINS WITH JUL	COOLING SEASON BEGINS WITH JAN			WATER EQUIVALENT (INCHES)	SNOW, ICE PELLETS (INCHES)		RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	PEAK GUST	FASTEST MILE	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT		
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	71	55	63	-2	54	2	0	1	0	0.00	0.0	29.610	22	7.3	7.6	15	SH	11	SH	482	54	5	5
02	79	51	65	0	52	0	0	0	0.00	0.0	29.670	33	1.4	7.5	16	NE	9	NE	829	93	0	1	
03	83	60	72	7	57	0	7	0	0.00	0.0	29.650	01	9.6	10.3	18	N	11	N	852	96	0	0	
04	92	61	77	12	59	0	12	0	0.00	0.0	29.550	36	7.0	8.1	15	N	10	N	702	79	5	5	
05	85	60	73	8	59	0	8	0	0.00	0.0	29.550	20	6.7	7.2	15	SH	10	SH	819	92	6	4	
06	77	55	66	1	54	0	1	0	0.00	0.0	29.680	28	0.7	8.8	20	NE	16	NE	588	67	4	3	
07	83	56	70	5	51	0	5	0	0.00	0.0	29.630	36	7.7	8.8	20	NE	16	NE	844	96	0	0	
08	83	58	71	6	51	0	6	0	0.00	0.0	29.600	35	5.6	6.9	16	N	11	NW	633	72	6	5	
09	86	55	71	6	55	0	6	0	0.00	0.0	29.575	33	4.6	6.1	17	N	12	N	629	72	5	5	
10	90	60	75	10	58	0	10	0	0.00	0.0	29.510	31	4.2	6.2	17	NW	10	NW	800	92	1	2	
11	94*	63	79*	14	60	0	14	0	0.00	0.0	29.480	35	6.1	8.1	20	N	12	N	798	92	0	0	
12	89	60	75	10	59	0	10	0	0.00	0.0	29.485	21	6.5	7.7	18	S	12	S	800	92	3	2	
13	77	57	67	3	56	0	3	0	0.00	0.0	29.560	20	7.1	8.3	15	S	11	S	696	81	2	8	
14	81	55	68	4	49	0	2	0	0.00	0.0	29.430	25	2.6	4.5	13	W	8	W	821	95	2	3	
15	75	56	66	2	55	0	1	0	0.00	0.0	29.420	21	8.7	9.7	20	SW	15	SW	747	87	9	8	
16	77	60	69	5	55	0	4	0	0.00	0.0	29.470	22	5.6	6.1	17	S	13	S	706	83	6	7	
17	77	58	68	4	57	0	3	0	0.01	0.0	29.410	21	3.2	8.0	18	W	14	W	661	78	9	9	
18	73	59	66	2	58	0	1	0	0.08	0.0	29.500	33	2.2	7.4	14	N	10	N	493	58	9	8	
19	72	55	64	0	56	1	0	0	0.03	0.0	29.560	35	4.1	5.8	17	NE	8	W	288	34	9	7	
20	77	55	66	2	59	0	1	2 8	0.00	0.0	29.460	29	3.0	4.8	13	NW	7	W	533	63	7	6	
21	65	60	63	-1	61	2	0	1	0.12	0.0	29.500	20	9.6	9.9	18	S	14	S	2	0	10	10	
22	73	55	64	0	54	1	0	0	0.00	0.0	29.630	19	7.2	10.5	21	S	17	S	297	36	9	9	
23	70	50	60*	-3	49	5	0	0	0.00	0.0	29.555	21	3.8	6.8	18	S	10	S	656	79	4	4	
24	70	54	62	-1	51	3	0	0	0.00	0.0	29.410	22	4.1	7.0	17	SE	8	SE	559	67	7	8	
25	72	52	62	-1	48	3	0	0	0.00	0.0	29.420	22	1.8	6.9	17	SE	10	S	721	87	5	6	
26	77	50	64	1	49	1	0	0	0.00	0.0	29.510	34	3.5	6.3	16	NW	10	NE	714	87	6	6	
27	77	50*	64	1	51	1	0	0	0.00	0.0	29.600	32	3.2	5.4	14	N	8	W	590	72	6	5	
28	85	55	70	7	52	0	5	0	0.00	0.0	29.605	35	4.9	6.9	20	N	11	N	753	92	5	5	
29	65	59	62	-1	58	3	0	1	0.27	0.0	29.520	19	6.4	6.9	16	S	11	SW	61	8	10	9	
30	69	59	64	1	58	1	0	0	0.12	0.0	29.530	19	11.6	11.7	23	S	17	S	279	34	9	10	
31	74	58	66	3	55	0	1	1	0.08	0.0	29.570	20	6.9	9.1	20	S	17	S	568	70	7	8	
SUN	SUN				TOTAL	TOTAL		NUMBER OF DAYS	TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUN	SUN					
2418	1751				23	100		0.71	0.0	29.540	25	2.0	7.6	23	S	17	S	18921	77	173	168		
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.		PRECIPITATION	DEP.					DATE: 30	DATE: 31+	POSSIBLE	MONTH	AVG.	AVG.				
78.0	56.5	67.3	3.2	54.7	-7.4	30		≥ .01 INCH.	-0.56							26432	72	5.6	5.4				
NUMBER OF DAYS					SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF										
					TOTAL		≥ 1.0 INCH						SNOW, ICE PELLETS OR ICE AND DATE										
MAXIMUM TEMP.		MINIMUM TEMP.		DEP.		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS													
≥ 90°	≤ 32°	≤ 32°	≤ 0°	DEP.	DEP.	HEAVY FOG		0.27	29	0.0	0												
3	0	0	0	-121	74	CLEAR 7	PARLY CLOUDY 15	CLOUDY 9															

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 † TRACE AMOUNT.
 + ALSO ON EARLIER DATE(S).
 HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 21 OR MORE OBSERVATIONS AT HOURLY INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. COLS 16 & 17: PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED. ONE OF TWO WIND SPEEDS IS GIVEN UNDER COLS 18 & 19: FASTEST MILE - HIGHEST RECORDED SPEED FOR WHICH A MILE OF WIND PASSES STATION (DIRECTION IN COMPASS POINTS). FASTEST OBSERVED ONE MINUTE WIND - HIGHEST ONE MINUTE SPEED (DIRECTION IN TENS OF DEGREES). ERRORS WILL BE CORRECTED IN SUBSEQUENT PUBLICATIONS.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER

noaa

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

Kenneth D. Nadeau
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

AUG 1990 24233
SEATTLE SEA-TAC AP, WA

HOUR	L. S. I.	VISI-BILITY			TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			TEMPERATURE				WIND											
		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)									
AUG 1st																														
01	10	7	15		58	57	57	97	21	8	1	UNL	15		53	53	53	100	24	3	0	UNL	15		64	60	57	78	04	9
04	10	5	10		58	57	56	93	20	5	3	UNL	15		51	51	50	96	18	3	0	UNL	15		60	58	56	87	01	7
07	10	2	1	B LF	57	57	57	100	18	6	0	UNL	10		55	52	50	83	19	5	0	UNL	50		65	61	58	78	03	6
10	10	27	10		60	57	55	84	24	6	0	UNL	15		64	56	50	61	19	6	0	UNL	50		71	64	59	66	01	10
13	1	UNL	20		69	60	53	57	23	7	0	UNL	15		71	60	51	49	31	7	0	UNL	50		79	65	56	45	01	8
16	0	UNL	20		70	60	53	55	24	7	0	UNL	15		75	61	50	42	32	8	0	UNL	50		82	66	56	41	36	12
19	0	UNL	25		68	59	53	59	24	7	0	UNL	15		74	62	54	50	36	9	0	UNL	30		76	64	56	50	35	11
22	0	UNL	15		59	56	53	81	22	7	0	UNL	15		68	62	58	71	05	8	0	UNL	15		71	63	57	61	01	8
AUG 2nd																														
AUG 3rd																														
AUG 4th																														
AUG 5th																														
AUG 6th																														
AUG 7th																														
AUG 8th																														
AUG 9th																														
AUG 10th																														
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AUG 12th																														
AUG 13th																														
AUG 14th																														
AUG 15th																														
AUG 16th																														
AUG 17th																														
AUG 18th																														

WEATHER CODES

- * TORNADO
- T THUNDERSTORM
- Q SQUALL
- R RAIN
- RW RAIN SHOWERS
- ZR FREEZING RAIN
- L DRIZZLE
- ZL FREEZING DRIZZLE
- S SNOW
- SW SNOW SHOWERS
- SG SNOW GRAINS
- SP SNOW PELLETS
- IC ICE CRYSTALS
- IP ICE PELLETS
- IPW ICE PELLET SHOWERS
- A HAIL
- F FOG
- IF ICE FOG
- GF GROUND FOG
- BD BLOWING DUST
- BN BLOWING SAND
- BS BLOWING SNOW
- BY BLOWING SPRAY
- K SMOKE
- H HAZE
- D DUST

CEILING: UNL INDICATES UNLIMITED
 WIND DIRECTION: DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, INDICATED IN TENS OF DEGREES FROM TRUE NORTH: I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. AN ENTRY OF 00 INDICATES CALM
 SPEED: THE OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS (MPH=KNOTS X 1.15).

OBSERVATIONS AT 3-HOUR INTERVALS

AUG 1990
SEATTLE SEA-TAC AP, WA 24233

HOUR L.S.T.	AUG 19th										AUG 20th										AUG 21st									
	SKY COVER (TENTHS)		VISI-BILITY		TEMPERATURE			WIND			SKY COVER (TENTHS)		VISI-BILITY		TEMPERATURE			WIND			SKY COVER (TENTHS)		VISI-BILITY		TEMPERATURE			WIND		
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
01	0	UNL	15		58	56	55	90	03	6	1	UNL	7		58	57	57	97	32	4	10	44	7	RM	65	63	61	87	23	3
04	0	UNL	15		58	56	55	90	02	5	0	UNL	5		58	58	58	100	36	4	10	75	7	RM	62	61	60	93	23	10
07	10	18	10		60	58	57	90	34	5	10	1	0	F	58	58	58	100	00	0	10	3	5	RF	60	60	60	100	22	9
10	10	15	10		64	59	56	75	01	6	9	11	0	F	66	63	61	84	27	5	10	7	10	RF	62	61	61	97	21	8
13	10	21	15		66	60	56	70	04	6	5	UNL	5	H	73	65	60	64	24	4	10	13	10	RM	64	63	62	93	18	6
16	8	100	15		71	63	57	61	29	8	4	UNL	7		77	65	58	52	27	8	10	13	10	RM	64	63	62	93	19	8
19	10	110	15		66	60	56	70	26	5	9	220	10		73	65	60	64	29	5	10	28	10		64	62	60	87	20	12
22	10	110	10	R	65	61	58	78	04	5	6	120	10		70	64	60	71	04	6	10	12	10		63	61	60	90	19	11
AUG 22nd																														
01	10	19	15		62	59	57	84	20	13	4	UNL	15		56	51	47	72	15	6	9	70	15		55	52	50	83	13	8
04	10	20	15		61	58	55	81	20	12	1	UNL	15		52	50	48	86	17	6	10	45	15		54	52	51	90	18	5
07	10	19	25		61	57	54	78	19	8	2	UNL	10		57	53	49	75	19	4	10	45	15		55	53	51	87	15	5
10	10	17	25		63	59	56	78	19	9	10	29	15		60	55	51	72	26	5	9	45	15		59	54	50	72	23	8
13	10	29	25		66	60	56	70	18	5	3	UNL	15		67	57	49	53	22	8	6	75	15		67	58	50	55	23	6
16	9	55	20		71	61	53	53	22	14	3	UNL	15		69	57	47	46	19	9	2	UNL	15		70	59	50	49	27	7
19	6	65	15		64	58	54	70	25	10	3	UNL	15		61	55	49	65	01	6	7	250	15		62	55	50	65	28	6
22	6	65	15		60	53	47	62	21	8	8	55	15		61	55	49	65	00	0	9	95	15		57	53	50	78	19	4
AUG 23rd																														
01	10	75	15		57	54	52	84	18	5	7	250	15		56	53	50	80	35	5	1	UNL	15		57	53	50	78	36	4
04	8	43	15		54	53	52	93	00	0	7	UNL	15		53	51	50	90	00	0	2	UNL	15		56	53	50	80	33	3
07	7	95	15		57	54	52	84	15	7	8	160	40		54	51	49	83	11	4	9	110	40		57	55	53	87	00	0
10	2	UNL	30		64	56	50	61	20	9	9	UNL	40		64	57	51	63	06	5	8	140	30		65	57	51	61	03	5
13	2	UNL	30		69	57	46	44	25	8	6	UNL	30		71	59	50	48	28	6	7	160	30		71	61	54	55	29	7
16	3	UNL	30		71	57	44	38	27	6	0	UNL	30		74	59	46	37	29	7	3	UNL	20		72	61	49	37	30	8
19	9	250	30		66	55	46	49	35	9	2	UNL	30		68	54	42	39	33	5	3	UNL	20		72	58	47	41	29	5
22	10	250	15		61	53	46	58	35	9	3	UNL	15		65	56	48	54	04	8	3	UNL	15		65	57	50	59	01	5
AUG 24th																														
01	10	19	15		62	59	57	84	20	13	4	UNL	15		56	51	47	72	15	6	9	70	15		55	52	50	83	13	8
04	10	20	15		61	58	55	81	20	12	1	UNL	15		52	50	48	86	17	6	10	45	15		54	52	51	90	18	5
07	10	19	25		61	57	54	78	19	8	2	UNL	10		57	53	49	75	19	4	10	45	15		55	53	51	87	15	5
10	10	17	25		63	59	56	78	19	9	10	29	15		60	55	51	72	26	5	9	45	15		59	54	50	72	23	8
13	10	29	25		66	60	56	70	18	5	3	UNL	15		67	57	49	53	22	8	6	75	15		67	58	50	55	23	6
16	9	55	20		71	61	53	53	22	14	3	UNL	15		69	57	47	46	19	9	2	UNL	15		70	59	50	49	27	7
19	6	65	15		64	58	54	70	25	10	3	UNL	15		61	55	49	65	01	6	7	250	15		62	55	50	65	28	6
22	6	65	15		60	53	47	62	21	8	8	55	15		61	55	49	65	00	0	9	95	15		57	53	50	78	19	4
AUG 25th																														
01	10	75	15		57	54	52	84	18	5	7	250	15		56	53	50	80	35	5	1	UNL	15		57	53	50	78	36	4
04	8	43	15		54	53	52	93	00	0	7	UNL	15		53	51	50	90	00	0	2	UNL	15		56	53	50	80	33	3
07	7	95	15		57	54	52	84	15	7	8	160	40		54	51	49	83	11	4	9	110	40		57	55	53	87	00	0
10	2	UNL	30		64	56	50	61	20	9	9	UNL	40		64	57	51	63	06	5	8	140	30		65	57	51	61	03	5
13	2	UNL	30		69	57	46	44	25	8	6	UNL	30		71	59	50	48	28	6	7	160	30		71	61	54	55	29	7
16	3	UNL	30		71	57	44	38	27	6	0	UNL	30		74	59	46	37	29	7	3	UNL	20		72	61	49	37	30	8
19	9	250	30		66	55	46	49	35	9	2	UNL	30		68	54	42	39	33	5	3	UNL	20		72	58	47	41	29	5
22	10	250	15		61	53	46	58	35	9	3	UNL	15		65	56	48	54	04	8	3	UNL	15		65	57	50	59	01	5
AUG 26th																														
01	10	75	15		57	54	52	84	18	5	7	250	15		56	53	50	80	35	5	1	UNL	15		57	53	50	78	36	4
04	8	43	15		54	53	52	93	00	0	7	UNL	15		53	51	50	90	00	0	2	UNL	15		56	53	50	80	33	3
07	7	95	15		57	54	52	84	15	7	8	160	40		54	51	49	83	11	4	9	110	40		57	55	53	87	00	0
10	2	UNL	30		64	56	50	61	20	9	9	UNL	40		64	57	51	63	06	5	8	140	30		65	57	51	61	03	5
13	2	UNL	30		69	57	46	44	25	8	6	UNL	30		71	59	50	48	28	6	7	160	30		71	61	54	55	29	7
16	3	UNL	30		71	57	44	38	27	6	0	UNL	30		74	59	46	37	29	7	3	UNL	20		72	61	49	37	30	8
19	9	250	30		66	55	46	49	35	9	2	UNL	30		68	54	42	39	33	5	3	UNL	20		72	58	47	41	29	5
22	10	250	15		61	53	46	58	35	9	3	UNL	15		65	56	48	54	04	8	3	UNL	15		65	57	50	59	01	5
AUG 27th																														
01	10	75	15		57	54	52	84	18	5	7	250	15		56	53	50	80	35	5	1	UNL	15		57	53	50	78	36	4
04	8	43	15		54	53	52	93	00	0	7	UNL	15		53	51	50	90	00	0	2	UNL	15		56	53	50	80	33	3
07	7	95	15		57	54	52	84	15	7	8	160	40		54	51	49	83	11	4	9	110	40		57	55	53	87	00	0
10	2	UNL	30		64	56	50	61	20	9	9	UNL	40		64	57	51	63	06	5	8	140	30		65	57	51	61	03	5
13	2	UNL	30		69	57	46	44	25	8	6	UNL	30		71	59	50	48	28	6	7	160	30		71	61	54	55	29	7
16	3	UNL	30		71	57	44	38	27	6	0	UNL	30		74	59	46	37	29	7	3	UNL	20		72	61	49	37	30	8
19	9	250	30		66	55	46	49	35	9	2	UNL	30		68	54	42	39	33	5	3	UNL	20		72	58	47	41	29	5
2																														

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

AUG 1990 24233
SEATTLE SEA-TAC AP, WA

DATE	A.M. HOUR ENDING AT												P.M. HOUR 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					T	T	T	T	T															01			
02																								02			
03																								03			
04																								04			
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15																								15			
16																								16			
17																								17			
18	0.01	0.02	T	0.03	0.01	0.01	T								0.01							T	T	T	18		
19																									19		
20																						T	T	0.02	0.01	T	20
21	T	T		0.01	0.02	0.03	0.05	0.01	T	T	T				T	T	T									21	
22				T																							22
23																											23
24																											24
25																											25
26																											26
27																											27
28																											28
29																											29
30	T	T				T																					30
31	T	T	0.01	0.03	T																						31

BA

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.03	0.04	0.05	0.06	0.08	0.10	0.14	0.17	0.21	0.24	0.24	0.26
ENDED: DATE	29	29	29	29	29	29	29	29	29	29	29	29
ENDED: TIME	1253	1253	1253	1253	1253	1253	1253	1253	1253	1259	1333	1359

THE PRECIPITATION AMOUNTS FOR THE INDICATED TIME INTERVALS MAY OCCUR AT ANY TIME DURING THE MONTH. THE TIME INDICATED IS THE ENDING TIME OF THE INTERVAL. DATE AND TIME ARE NOT ENTERED FOR TRACE AMOUNTS.

VALIDATED BY:
MATTHEW BODOSKY

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ASHEVILLE, NORTH CAROLINA 28801
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SEATTLE SEA-TAC AP, WA
USCOMM - NOAA - ASHEVILLE, NC 375

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NATIONAL CLIMATIC DATA CENTER
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SEP 1990
 SEATTLE SEA-TAC AP, WA
 NAT'L NEA SER CONTRACT MET OBS
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ISSN 0198-5450

LOCAL CLIMATOLOGICAL DATA

Monthly Summary



SEATTLE-TACOMA AIRPORT

LATITUDE 47° 27' N LONGITUDE 122° 18' W ELEVATION (GROUND) 400 FEET TIME ZONE PACIFIC 24233

SEP 1990 SEATTLE SEA-TAC AP, WA

DATE	TEMPERATURE °F						DEGREE DAYS BASE 65°F		WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW ICE PELLETS OR ICE ON GROUND AT 0400 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES ELEV. 450 FEET ABOVE M.S.L.	WIND (M.P.H.)			SUNSHINE		SKY COVER (TENTHS)				
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING SEASON BEGINS WITH JUL	COOLING SEASON BEGINS WITH JAN	WATER EQUIVALENT (INCHES)			SNOW, ICE PELLETS (INCHES)	RESULTANT DIR.		RESULTANT SPEED	AVERAGE SPEED	PEAK GUST	DIRECTION	FASTEST MILE	DIRECTION	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT
01	70	55	63	0	55	2	0		0	0.01	0.0	29.570	34	2.3	4.9	15	W	8	N	321	40	10	9
02	73	57	65	3	49	0	0		0	0.00	0.0	29.605	36	8.2	9.7	18	N	14	N	694	87	5	6
03	74	55	65	3	51	0	0		0	0.00	0.0	29.580	01	8.8	9.5	18	N	14	N	742	93	3	3
04	81	56	69	7	51	0	0		0	0.00	0.0	29.530	01	7.9	8.4	18	N	13	N	757	95	0	0
05	81	53	67	5	53	0	2		0	0.00	0.0	29.520	21	4.2	5.9	14	W	8	SW	754	95	0	0
06	78	54	66	4	56	0	1	2	8	0.00	0.0	29.590	31	3.8	5.7	15	NE	10	W	624	79	6	4
07	71	55	63	1	57	2	0	2	8	0.01	0.0	29.630	22	5.0	7.2	39	S	35	S	164	21	10	9
08	69	60	65	3	55	0	0	1	8	0.00	0.0	29.665	28	3.5	5.3	10	W	7	SW	37	5	10	10
09	72	58	65	4	54	0	0		0	0.00	0.0	29.650	35	7.7	8.5	17	W	13	NW	490	63	7	6
10	77	52	65	4	56	0	0	2	8	0.00	0.0	29.505	01	6.6	7.1	16	NE	12	NE	553	72	4	2
11	64	51	58	-3	55	7	0	2	8	0.00	0.0	29.530	19	6.6	7.4	16	SW	11	SW	141	18	10	8
12	66	55	61	0	53	4	0		0	0.00	0.0	29.630	20	4.1	6.7	14	NE	10	SW	30	4	10	8
13	74	52	63	2	54	2	0	1		0.00	0.0	29.560	01	11.6	12.1	23	N	17	N	714	94	0	0
14	77	54	66	6	54	0	0		0	0.00	0.0	29.440	25	3.4	10.0	25	SW	20	SW	716	94	1	1
15	64	53	59	-1	54	6	0		0	0.00	0.0	29.500	20	8.3	8.7	17	SW	12	SW	73	10	9	
16	73	55	64	4	55	1	0		0	0.03	0.0	29.500	22	7.1	8.1	21	S	12	S	537	71	7	5
17	73	54	64	4	55	1	0	1		0.00	0.0	29.540	35	3.9	6.2	15	NE	9	NW	403	54	7	5
18	75	54	65	5	55	0	0	2	8	0.00	0.0	29.540	33	4.1	6.3	20	N	13	N	430	58	6	6
19	72	53	63	4	52	2	0		0	0.00	0.0	29.690	36	7.2	8.0	22	N	16	N	669	90	1	1
20	73	52	63	4	53	2	0	2	8	0.00	0.0	29.700	36	5.6	6.9	17	N	8	N	667	90	2	2
21	81	55	68	9	53	0	3		0	0.00	0.0	29.610	01	10.6	10.9	24	N	17	N	704	96	1	0
22	92*	57	75*	16	53	0	10		0	0.00	0.0	29.510	30	3.0	6.4	17	NE	13	NE	705	96	0	0
23	70	53	62	3	55	3	0	1	8	0.00	0.0	29.600	21	4.6	5.3	13	SW	9	S	349	48	5	4
24	62	52	57*	-1	53	8	0	1	8	0.00	0.0	29.585	28	1.7	5.2	16	NE	7	NE	0	0	10	10
25	70	55	63	5	55	2	0	1	8	0.00	0.0	29.570	23	3.1	4.9	15	SE	6	SE	97	13	10	9
26	67	53	60	2	55	5	0	1	8	0.00	0.0	29.630	30	3.1	4.8	10	N	6	SW	8	1	10	9
27	73	56	65	7	53	0	0		0	0.00	0.0	29.640	35	6.8	7.5	15	NW	9	NW	598	84	7	7
28	75	50	63	6	54	2	0	2	8	0.00	0.0	29.660	31	2.3	5.4	13	NW	8	W	486	68	8	6
29	69	51	60	3	53	5	0	1	8	0.00	0.0	29.730	34	2.6	6.9	15	W	9	NE	449	63	8	4
30	70	46*	58	1	56	7	0	1		0.00	0.0	29.620	02	5.8	8.0	17	NE	10	N	667	94	3	3

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 † TRACE AMOUNT.
 + ALSO ON EARLIER DATE(S).
 HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 21 OR MORE OBSERVATIONS AT HOURLY INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. COLS 16 & 17: PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED. ONE OF TWO WIND SPEEDS IS GIVEN UNDER COLS 18 & 19: FASTEST MILE - HIGHEST RECORDED SPEED FOR WHICH A MILE OF WIND PASSES STATION (DIRECTION IN COMPASS POINTS). FASTEST OBSERVED ONE MINUTE WIND - HIGHEST ONE MINUTE SPEED (DIRECTION IN TENS OF DEGREES). ERRORS WILL BE CORRECTED IN SUBSEQUENT PUBLICATIONS.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

Kenneth D. Haeberle
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1990 24233
SEATTLE SEA-TAC AP, WA

HOUR L.S.T.	VISI-BILITY				TEMPERATURE				WIND				VISI-BILITY				TEMPERATURE				WIND														
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL. HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL. HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL. HUMIDITY %	DIRECTION	SPEED (KNOTS)		
SEP 1st												SEP 2nd												SEP 3rd											
01	8	39	15			60	57	54	81	05	6	8	95	15			59	54	43	70	04	5	7	UNL	15			57	51	45	64	04	8		
04	8	200	15			57	56	55	93	12	5	9	50	15			59	53	47	65	05	6	5	UNL	15			56	52	48	75	03	9		
07	10	75	15			57	56	55	93	00	0	7	UNL	30			59	54	50	72	03	7	2	UNL	40			57	54	51	81	03	9		
10	9	250	15			66	60	56	70	25	4	0	UNL	30			65	58	52	63	36	12	4	UNL	40			64	58	53	68	01	9		
13	10	180	15			67	60	55	66	30	7	1	UNL	30			71	60	52	51	02	5	4	UNL	40			70	60	53	55	36	8		
16	10	140	15			67	60	54	63	34	4	10	UNL	25			70	58	49	47	34	11	0	UNL	40			73	60	50	46	35	8		
19	10	100	10		R	63	58	54	73	35	5	6	200	30			63	55	47	56	35	10	0	UNL	40			65	57	50	59	35	10		
22	10	95	15			59	57	56	90	32	4	9	UNL	15			61	53	46	58	02	8	0	UNL	15			63	56	51	65	04	5		
SEP 4th												SEP 5th												SEP 6th											
01	0	UNL	15			62	55	49	63	04	7	0	UNL	15			62	57	53	73	12	6	0	UNL	7			57	56	56	97	27	5		
04	0	UNL	15			56	53	51	83	01	6	0	UNL	15			58	54	50	75	14	3	0	UNL	5			56	55	55	97	22	3		
07	0	UNL	50			60	57	54	81	02	8	0	UNL	50			60	57	55	84	23	4	10	2	0		58	57	57	97	06	4			
10	0	UNL	50			70	61	55	59	36	8	0	UNL	50			68	60	54	61	23	7	10	250	6		68	62	58	71	32	5			
13	0	UNL	50			79	63	52	39	35	10	0	UNL	50			78	62	50	38	25	6	8	UNL	7		73	64	58	60	29	7			
16	0	UNL	50			80	63	52	38	36	8	0	UNL	25			80	64	53	39	20	8	1	UNL	7		78	66	58	50	29	6			
19	0	UNL	50			69	57	48	47	36	10	1	UNL	20			73	60	50	45	20	3	0	UNL	10		71	61	53	53	32	5			
22	0	UNL	15			68	57	48	49	03	6	2	UNL	15			62	56	50	65	30	5	0	UNL	15		64	57	52	65	01	3			
SEP 7th												SEP 8th												SEP 9th											
01	0	UNL	15			57	55	54	90	30	3	10	19	15			62	58	55	78	23	4	10	29	15		61	58	55	81	36	7			
04	10	5	0		F	57	57	57	100	18	3	10	29	15			60	57	55	84	19	6	10	33	15		59	56	54	84	35	5			
07	10	3	1		F	59	58	58	97	18	9	10	24	10			60	57	55	84	30	3	10	31	7		59	56	54	84	02	7			
10	10	150	1		F	62	60	59	90	32	7	10	25	6		H	64	59	55	73	24	5	10	31	7		63	58	54	73	32	5			
13	10	110	3		RN	67	62	59	76	20	7	10	20	6		H	65	60	56	73	32	6	7	30	7		68	61	55	63	30	9			
16	9	220	6		H	70	63	59	68	22	10	10	31	6		H	67	60	55	66	29	5	0	UNL	7		71	61	54	55	33	12			
19	8	28	6		H	65	61	58	78	21	10	10	32	7		H	64	59	55	73	30	4	0	UNL	10		62	58	54	75	34	8			
22	10	28	7			64	59	56	75	23	5	10	31	7			63	58	54	73	35	6	0	UNL	15		58	56	54	87	36	6			
SEP 10th												SEP 11th												SEP 12th											
01	0	UNL	7			58	56	55	90	03	5	0	UNL	5			57	55	54	90	29	5	10	45	15		59	57	55	87	19	4			
04	0	UNL	5		F	52	52	51	96	33	4	2	UNL	3			54	54	54	100	00	0	10	46	15		59	56	54	84	18	5			
07	10	2	0		F	55	55	55	100	02	5	10	2	0			54	54	54	100	20	8	10	23	10		59	56	54	84	18	6			
10	7	15	2		F	64	60	57	78	03	8	10	7	1			57	57	57	100	20	7	10	45	10		62	58	54	75	22	10			
13	0	UNL	7			73	63	57	57	02	9	10	15	7			63	59	56	78	20	7	10	35	15		64	58	54	70	19	8			
16	0	UNL	7			76	65	57	52	36	7	10	24	7			62	58	55	78	20	9	10	35	15		65	57	51	61	21	8			
19	0	UNL	15			67	60	55	66	34	5	10	29	10			60	57	55	84	18	7	9	55	15		62	57	53	73	29	4			
22	0	UNL	7			61	58	56	84	36	6	9	48	15			60	58	56	87	16	6	0	UNL	15		61	57	53	75	06	4			
SEP 13th												SEP 14th												SEP 15th											
01	0	UNL	10			54	53	52	93	36	4	0	UNL	15			59	56	54	84	01	11	8	40	15		59	56	53	81	21	8			
04	0	UNL	6		F	55	55	54	97	04	9	0	UNL	15			56	54	53	90	03	6	2	UNL	15		57	55	53	87	16	6			
07	1	UNL	5		F	55	54	53	93	03	7	0	UNL	25			58	56	54	87	02	6	10	120	10		56	55	54	93	18	5			
10	0	UNL	7			65	58	53	65	36	12	3	UNL	15			67	60	54	63	32	5	10	33	10		60	57	54	81	21	10			
13	0	UNL	10			72	61	53	51	01	13	2	UNL	10			77	63	53	43	21	4	10	55	10		61	57	54	78	20	7			
16	2	UNL	10			73	62	55	53	36	15	1	UNL	10			77	63	53	43	23	10	10	70	15		63	57	53	70	19	10			
19	0	UNL	15			63	58	55	75	36	15	1	UNL	10			65	60	56	73	22	10	10	32	10		61	56	52	72	20	6			
22	0	UNL	15			62	58	54	75	02	15	0	UNL	10			59	56	53	81	18	8	9	90	15		58	56	55	90	19	7			
SEP 16th												SEP 17th												SEP 18th											
01	10	40	15		R	58	57	56	93	20	4	4	UNL	15			56	55	54	93	36	4	0	UNL	7		57	56	56	97	01	5			
04	9	40	15			57	56	56	97	22	6	10	8	10			54	54	53	96	01	3	10	2	0		56	56	56	100	08	3			
07	9	110	7			57	56	56	97	17	5	10	8	7			59	58	57	93	03	6	10	1	0		55	55	55	100	31	4			
10	3	UNL	15			66	60	55	68	20	7	10	11	6		F	60	58	56	87	00	0	10	3	0		56	56	56	100	24	4			
13	8	250	25			71	61	53	53	23	10	6	19	7			67	61	56	68	24	7	0	UNL	7		70	62	57	64	27	5			
16	6	100	15			72	61	52	50	24	7	3	UNL	10			72	61	53	51	34	7	5	UNL	15		74	63	56	54	29	7			
19	9	85	10		RN	64	59	56	75	32	5	1	UNL	10			63	58	54	73	36	6	7	UNL	15		64	58	53	68	35	12			
22	3	UNL	10			58	56	54	87	30	3	0	UNL	15			61	58	56	84	04	6	7	UNL	15		61	57	53	75	03	8			

WEATHER CODES

- | | | | |
|--|--|---|---|
| <ul style="list-style-type: none"> * TORNAO T THUNDERSTORM Q SQUALL R RAIN RN RAIN SHOWERS ZR FREEZING RAIN L DRIZZLE | <ul style="list-style-type: none"> ZL FREEZING DRIZZLE S SNOW SW SNOW SHOWERS SG SNOW GRAINS SP SNOW PELLETS IC ICE CRYSTALS IP ICE PELLETS | <ul style="list-style-type: none"> IPW ICE PELLET SHOWERS A HAIL F FOG IF ICE FOG GF GROUND FOG BD BLOWING DUST | <ul style="list-style-type: none"> BN BLOWING SAND BS BLOWING SNOW BY BLOWING SPRAY K SMOKE H HAZE D DUST |
|--|--|---|---|

CEILING: UNL INDICATES UNLIMITED
 WIND DIRECTION: DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, INDICATED IN TENS OF DEGREES FROM TRUE NORTH: I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST

OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1990 24233
SEATTLE SEA-TAC AP, WA

HOUR L.S.T.	VISI-BILITY			TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			TEMPERATURE				WIND			
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE	WEATHER	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION		SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE	WEATHER	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
SEP 19th																															
01	3	UNL	15	58	55	53	84	36	7	0	UNL	6	F	55	54	53	93	01	4	0	UNL	10			58	56	54	54	87	02	6
04	7	55	15	56	55	54	93	35	4	0	2	4	F	55	55	55	100	02	5	0	UNL	7			56	54	53	90	03	7	
07	1	UNL	10	55	54	53	93	29	4	2	UNL	0	3	F	54	54	53	96	02	6	0	UNL	40			58	55	53	84	03	10
10	1	UNL	15	66	59	53	63	33	10	7	10	2	8	H	62	58	54	75	01	8	0	UNL	40			67	59	53	61	01	10
13	0	UNL	15	71	60	51	49	01	7	0	UNL	10			70	60	53	55	33	5	0	UNL	40			77	63	53	43	36	11
16	0	UNL	25	71	59	49	46	35	12	0	UNL	10			72	61	53	51	30	8	1	UNL	40			81	64	52	37	01	10
19	0	UNL	15	61	56	51	70	35	7	0	UNL	10			63	58	54	73	36	8	0	UNL	20			69	60	54	59	36	10
22	0	UNL	15	60	57	54	81	03	5	0	UNL	10			62	58	54	75	03	8	0	UNL	15			67	59	52	59	02	14
SEP 20th																															
SEP 21st																															
SEP 22nd																															
SEP 23rd																															
SEP 24th																															
SEP 25th																															
SEP 26th																															
SEP 27th																															
SEP 28th																															
SEP 29th																															
SEP 30th																															

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	AVERAGES						RESULTANT WIND	
		STATION PRESSURE (INCHES)	TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEN POINT OF				
01	4	29.590	58	55	53	85	6.3	01	2.4
04	6	29.590	56	54	53	91	5.5	05	1.3
07	7	29.610	57	55	54	90	6.5	02	1.5
10	6	29.620	64	58	55	74	7.7	33	2.8
13	5	29.590	70	61	54	59	8.3	30	3.8
16	5	29.570	72	61	53	54	9.5	31	5.3
19	4	29.560	64	58	53	68	7.7	34	4.9
22	3	29.580	61	56	53	68	6.9	01	3.0