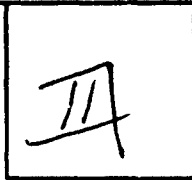


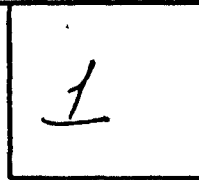
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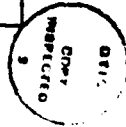
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
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4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) El Toro, CA		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
7. AUTHOR(s) NA		6. PERFORMING ORG. REPORT NUMBER
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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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STATION NO OR SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT)	CALL SIGN	WMO NUMBER
93101	El Toro, California	33° 40' N	117° 44' W	383	KNZJ	72297

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	TYPE BAROMETER	
1.	Aerological office (southwest side of field)	MCAS	1943	1955	33° 40' N	117° 44' W	355	Mercurial	24
2.	Aerological office (northeast side of field in tower bldg)	"	1955	1958	"	"	380	"	"
3.	Room 102, Bldg 372	"	1958	1971	"	"	"	"	"
4.	Mounted on wall in Room 102	"	UNK	1965	"	"	383	Aneroid	"
4a.	Mounted in AN/GMQ-14 console in room 102, bldg 372	"	1965	1976	"	"	382	"	"
5.	Mounted on inside wall, room 102, bldg 372	"	1971		"	"	381	Mercurial	"
5a.	" " "	"	1976		"	"	382	Aneroid	"

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.		Atop control tower	Selsyn	Double Register	52'	1. Aneroid barometer (ML-448/UM) 2. Barograph (Aero 1932) 3. Semi-auto met stn (AN/GMQ-14A) 4. Ceiling light (ML-121) 5. Cloud height set (AN/GMQ-13) 6. Theodolite (ML-247) 7. Transmissometer (AN/GMQ-10) 8. Weather vision (AN/GMQ-19V) 9. Gage, precipitation (ML-558/GMQ-14) 10. " (ML-217) 11. Thermoscreen (ML-41) 12. Semi-auto met stn (AN/GMQ-29)
2.	1963	Northeast of the intersection of runways 34 and 25	AN/UMQ-5	RD-108B	30'	
3.	1966	Same location, change in height	"	"	15'	
4.	1968	810' NE of intersection of runways 34R and 25R	AN/UMQ-5C	RD-108B	"	
4a.	1973	Same location, change in height	"	"	9'	

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Asheville, N. C.

CONTINUED ON REVERSE SIDE

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

NOCD, Federal Building
Asheville, N. C.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

93101

EL TORO, CALIFORNIA

45-87

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	1.6	26.3		.6	.6	26.0	34.2	42.0		.5	57.1	1048
FEB		1.1	29.7		.1	.3	27.3	37.1	41.3			52.9	959
MAR		2.3	30.2			.5	27.6	32.6	34.6			44.3	1052
APR		1.2	31.6			.1	28.0	32.0	39.2			46.3	1049
MAY		.2	31.8				28.2	37.5	44.1		.1	52.0	1065
JUN		.3	24.1				21.3	49.5	59.8			67.6	1051
JUL		1.0	10.0				9.0	57.6	72.4		.1	79.2	1082
AUG		.9	11.2				10.2	58.9	70.8		.1	76.0	1081
SEP		1.2	19.7				18.0	54.2	68.1			74.0	1041
OCT		2.2	23.0			.3	20.5	45.4	61.8		.5	66.3	1067
NOV		1.1	23.0			.1	20.5	39.1	47.3		1.4	57.0	1039
DEC		1.0	25.4		.1	.5	23.1	34.0	45.7		.4	54.8	1060
TOTALS		1.2	24.0		.1	.2	21.7	42.7	52.3		.3	60.3	12634

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WEATHER CONDITIONS

0101

EL PASO, CALIFORNIA

73-79, 81-82

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		7.9				7.9	10.8	3.2			12.2	279
	04		8.6				8.6	10.8	3.2			13.3	279
	07		7.9				7.9	15.1	5.0			17.6	279
	10		8.2		.4		8.2	11.8	12.2		.4	20.8	279
	13	.7	8.6				8.6	4.7	17.9		.4	22.9	279
	16	.7	8.2				8.2	2.5	20.4			22.6	279
	19	.4	7.2				7.2	3.6	8.6			10.8	279
	22	.4	6.1				6.1	8.2	5.7			12.2	279
TOTALS		.3	7.8		.1		7.8	8.6	9.5		.1	16.6	2231

NAVWEASERVCOM

WEATHER CONDITIONS

73-1

EL TOHO, CALIFORNIA

73-75, 81-82

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		7.1				9.1	15.8	2.0			16.6	253
	04		9.1				9.1	15.4	2.0			16.6	253
	07		5.9				5.9	18.2	4.7			22.1	253
	10	.4	7.5				7.5	15.4	15.0			25.7	253
	13	.6	8.3				8.3	2.4	22.9			25.3	253
	16		9.1				9.1	3.6	18.2			21.7	253
	19		8.3				8.3	3.6	8.7			16.7	253
	22	.4	7.5				7.5	13.0	4.0			15.4	253
TOTALS		.2	8.1				6.1	10.7	9.7			19.3	2024

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WEATHER CONDITIONS

STATION
EL MERO, CALIFORNIA
YEAR
73-72
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01		9.0				9.0	5.2	1.0			5.5	310
	04	.3	7.8				7.8	7.1	.6			7.1	309
	07	.3	11.0				11.0	16.8	3.2			18.7	310
	10	.3	9.4				8.4	5.5	12.9			16.5	310
	13	.3	6.1				6.1	1.6	14.5			16.1	310
	16		6.1				6.1	.3	7.1			7.4	310
	19	.3	5.5				5.5	.6	2.9			3.2	310
	22	.6	8.1				8.1	3.2	1.0			3.9	310
TOTALS		.3	7.8				7.8	5.0	5.4			7.8	2479

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WEATHER CONDITIONS

STATION EL TORO, CALIFORNIA

73-72

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OP DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	01		4.0				4.0	5.0	3.0			11.3	300
	02		2.3				2.3	10.7	2.3			12.3	300
	03		5.3				5.3	17.0	11.3			25.7	300
	04		2.3				2.3	5.0	19.7			23.7	300
	05		2.0				2.0	.3	17.0		.3	17.3	300
	06		2.0				2.0	.7	12.0			12.7	299
	07		2.3				2.3	1.0	8.7			9.3	300
	08		3.7				3.7	2.7	5.0			7.3	300
	09												
	10												
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
	19												
	20												
	21												
	22												
TOTALS			3.0				3.0	5.8	9.9		.0	15.0	2399

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WEATHER CONDITIONS

STATION EL PASO, CALIFORNIA YEAR 73-74 MONTH MAY
STATION NAME YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01		6.1				6.1	14.5	1.0			15.5	310
	04		10.3				10.3	19.4	1.0			19.7	310
	07		7.4				7.4	31.9	14.2			41.9	310
	10		2.6				2.6	6.5	33.9			36.5	310
	13		1.6				1.6	.3	25.5			25.5	310
	16		1.0				1.0	.6	18.4			18.7	310
	19		1.9				1.9	3.2	14.8			16.5	310
	22		4.5				4.5	7.4	4.5			10.6	310
TOTALS			4.4				4.4	10.5	14.2			23.1	2460

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WEATHER CONDITIONS

471 1
EL TORO, CALIFORNIA
73-82
JUN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01		4.3				4.3	16.7	2.7			19.0	300
	04		6.7				6.7	26.3	2.0			27.7	300
	07		6.0				6.0	41.7	22.3			56.7	300
	10		2.0				2.0	6.3	42.0			44.7	300
	13		.3				.3		32.0			32.0	300
	16		1.0				1.0		22.0			22.0	300
	19		1.3				1.3	1.3	15.0			16.0	300
	22		2.7				2.7	7.0	4.7			11.0	300
TOTALS			3.0				3.0	12.4	17.8			28.6	2400

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WEATHER CONDITIONS

1101 EL TORO, CALIFORNIA 73-72 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL.	01		.6				.6	13.5	5.5			16.5	310
	04		1.0				1.0	26.8	6.1			31.0	310
	07		1.3				1.3	41.0	32.6			63.2	310
	10		1.3				1.3	1.6	43.9			44.5	310
	14								29.0			29.0	310
	16								18.4			18.4	310
	19							1.0	10.3			11.0	310
	22							2.3	3.2			4.8	310
TOTALS			.5				.5	10.8	18.9			27.3	2460

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WEATHER CONDITIONS

101
STATION

L 1000, CALIFORNIA
STATION NAME

73-82
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
Aug	01		1.6				1.6	15.8	6.1			19.7	310
	04		1.6				1.6	30.0	5.2			31.9	310
	07		2.9				2.9	47.1	30.3			68.1	310
	10		.3				.3	5.2	50.3			52.6	310
	13	.3	.6				.6	.6	35.5			36.1	310
	16		.6				.6	.6	23.5			24.2	310
	19		.6				.6	2.3	14.5			15.5	310
	22		.6				.6	3.5	5.5			8.1	310
TOTALS		.0	1.1				1.1	13.1	21.4			32.0	2480

NAVWEASERVCOM

WEATHER CONDITIONS

7101
STATION

EL MERO, CALIFORNIA
STATION NAME

73-82
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01	.3	3.7				3.7	18.0	6.0			22.7	300
	04		5.7				5.7	76.0	8.3			31.3	300
	07		7.3				7.3	80.7	25.7			56.3	300
	10		2.0				2.0	8.7	44.3		.3	49.7	300
	13		1.7				1.7	1.3	38.3			39.0	300
	16	.3	1.3				1.3	.3	27.3			27.7	300
	19	.3	1.7				1.7	3.0	12.0			14.0	300
	22		3.3				3.3	8.3	7.0			14.0	300
TOTALS		.1	3.3				3.3	13.3	21.1		.0	31.8	2400

NAVWEASERVCOM

WEATHER CONDITIONS

31101
STATION

FL TOFO, CALIFORNIA
STATION NAME

73-72
YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01	.3	1.3				1.3	23.1	7.8			28.6	308
	04	.3	2.9				2.9	27.9	9.4			34.1	308
	07	.3	3.6				3.6	34.4	15.9			45.5	308
	10		1.3				1.3	11.4	35.1		.3	42.5	308
	13	.3	1.0				1.0	1.0	39.9			40.6	308
	16		1.3				1.3	.3	31.8			31.8	308
	19		.6				.6	3.9	16.9			19.2	308
	22		.6				.6	12.0	9.7			19.5	308
TOTALS		.2	1.6				1.6	14.3	23.8		.0	32.7	2464

NAVWEASERVCOM



WEATHER CONDITIONS

101
STATION

EL TORO, CALIFORNIA
STATION NAME

73- 2
YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (P.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		4.0				4.0	14.7	5.0			18.7	300
	04		3.0				3.0	17.3	5.3			21.3	300
	07		3.3				3.3	19.3	4.3		.7	22.3	300
	10	.3	3.3			.3	3.3	12.0	18.3			26.7	300
	13	.3	3.0				3.0	2.3	27.0			28.3	300
	16	.3	2.0				2.0		23.3			23.3	300
	19		.3				.3	5.0	10.7			14.7	300
	22		4.7				4.7	12.7	5.7			17.3	300
TOTALS		.1	3.0			.0	3.0	10.4	12.5		.1	21.6	2400

NAVWEASERVCOM

WEATHER CONDITIONS

STATION
EL TORO, CALIFORNIA
YEAR
73-72
MONTH
DEC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		3.2				3.2	17.4	10.3			25.2	310
	04		3.9				3.9	18.4	7.4			23.5	310
	07		3.9		.3		4.2	21.3	8.7			26.8	310
	10		3.5				3.5	13.5	22.3			31.6	310
	13		3.9				3.9	4.8	31.0			33.5	310
	16		3.6				3.6	4.2	32.0		.3	36.3	309
	19		3.2				3.2	9.7	18.4			23.8	309
	22		3.2				3.2	14.6	12.6			25.2	309
TOTALS			3.6		.3		3.6	13.0	17.8		.3	28.0	2477

NAVWEASERVCOM

WEATHER CONDITIONS

101
EL TORO, CALIFORNIA
73-72
ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	POO	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.3	7.8		.1		7.8	6.4	9.5		.1	16.6	2231
FEB		.2	8.1				8.1	10.7	9.7			19.3	2024
MAR		.3	7.8				7.8	5.0	5.4			9.8	2479
APR			3.0				3.0	5.8	9.9		.0	15.0	2399
MAY			4.4				4.4	10.5	14.2			23.1	2480
JUN			3.0				3.0	12.4	17.8			28.6	2400
JUL			.5				.5	10.8	18.9			27.3	2487
AUG		.0	1.1				1.1	13.1	21.4			32.0	2480
SEP		.1	3.3				3.3	13.3	21.1		.0	31.8	2400
OCT		.2	1.6				1.6	14.3	20.8		.0	32.7	2464
NOV		.1	3.0			.0	3.0	10.4	12.5		.1	21.6	2400
DEC			3.6		.0		3.6	13.0	17.8		.0	28.0	2477
TOTALS		.1	3.9		.0	.0	3.9	10.6	14.9		.0	23.8	28714

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION LA TOMO, CALIFORNIA YEARS JANUARY 1973-OCTOBER 1982 MONTH JANUARY HOURS (L.S.T.) ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.2								1.6	3.2	9.5			14.1
NNE	2.0	1.3							2.5		3.8			11.1
NNE	1.7	.6							3.2	5.1	7.0			86.6
ENE	2.1	1.0	1.0					.5	3.7	6.7	3.7			84.3
E	6.0	2.7	1.9					.3	8.2	1.9	4.1			79.8
ESE	11.0	5.3							5.9	1.8	1.8			76.9
SE	9.7	8.0	3.0						9.0	2.0	5.0			68.0
SSE	17.0	6.0	2.0			1.0			10.0	5.0	7.0			66.0
S	6.7	3.8						1.0	6.7	1.9	7.6			77.1
SSW		2.6								2.6	7.9			86.8
SW		7.7						2.6	5.1		10.3			79.5
WSW	4.1	4.1	1.0					1.7			13.4			78.4
W	.5	2.0							1.5	2.0	28.4			68.1
WNW	2.0	4.2							2.3	1.4	29.2			59.7
NW									6.4		22.7		2.3	70.5
NNW	3.4								10.3	3.4			3.4	82.6
VARIABLE														
CALM	4.1	1.0	1.0					.3	10.6	3.4	8.8			34.8
TOTAL	75	62	18			1		6	134	54	211		2	1725
% TOTAL	4.3	2.8	.8			.0		.3	6.0	2.4	9.3		.1	77.3

TOTAL NUMBER OF OBSERVATIONS 2,231

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

01 1 FL TOWO, CALIFORNIA JANUARY 1973-DECEMBER 1982 FEBRUARY ALL
STATION STATION NAME YEARS MONTH HOUR (LST.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEDG RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.3	5.7						1.9	18.9	1.9	5.7			66.0
NNE	2.6	3.9							6.5	5.2	5.2			79.2
NE	.9	1.8							3.6	.9	.9			91.8
ENE	.0	.6							8.6	1.9	3.1			88.4
E	2.2	3.2	.3						10.5	2.9	5.1			79.7
ESE	4.4	4.9	3.5						10.5	1.9	2.1			72.0
SE	17.7	9.4	2.1					1.0	14.0	1.0	1.0			61.5
SSE	14.6	10.4	1.0					1.0	11.5		3.1			68.8
S	6.9	3.9	2.0						5.9	2.0	8.0			73.5
SSW	4.3	8.7	6.5						6.5		6.5			73.9
SW	3.0	1.8						1.0		8.0	16.1			78.6
WSW			1.2						4.3		16.0			79.8
W	1.6	1.6	.5						3.2		28.4			65.4
WNW	1.1	1.1	1.1						8.4	1.1	25.3			65.3
NW									6.5		32.3			61.3
NNW	4.5		4.5						9.1					91.8
VARIABLE														
CALM	2.1	.6	1.5						13.7	1.8	10.7			72.0
TOTAL	79	67	25					4	183	33	196			1510
% TOTAL	3.9	3.0	1.2					.2	9.0	1.6	9.7			78.6

TOTAL NUMBER OF OBSERVATIONS 2,024

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

11111 EL YUNO, CALIFORNIA JANUARY 1973-DECEMBER 1992 MARCH ALL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.4	8.1						2.7	10.8	5.4	2.7			73.0
NNE	2.7	4.7							4.7	2.3				98.4
NE		2.5							2.5	2.5	2.5			90.0
ENE	1.2	1.8							3.6		.6			94.0
E	1.1	2.9	1.1						5.1	1.1	.8			86.4
ESE	9.1	4.7	1.2					1.2	4.8	1.2	1.9			78.2
SE	1.2	9.4	1.9					.8	7.0	.8	3.1			70.3
SSE	7.5	4.8	2.7						8.2	.7	3.4			76.0
S	2.1	7.0						.5	3.7		4.3			84.0
SSW	1.3	5.8	1.1						2.2		2.2			86.7
SW	2.9	3.9							1.9		5.8			88.3
WSW		1.9							1.3		6.9			70.6
W	1.5	1.5						.4	.9	.8	13.6			82.6
WNW	2.4	4.8						1.2	1.2	1.2	20.2			71.4
NW	2.1	2.6									26.3			68.6
NNW		4.9							4.9	4.5	18.2			72.7
VARIABLE														
CALM	1.7	2.2	1.2						5.6	1.7	5.1			85.0
TOTAL	75	96	17					7	101	24	134			2574
% TOTAL	1.2	1.5	.3					.1	1.6	.4	2.1			83.7

TOTAL NUMBER OF OBSERVATIONS 2,479

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

11 EL TORO, CALIFORNIA JANUARY 1973-DECEMBER 1982 APRIL ALL
STATION STATION NAME YEAR MONTH YEAR

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS - PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.5	2.5							2.5	2.5	5.0			87.5
NNE	2.9								8.8		11.4		2.9	80.2
NE									10.3		3.4			87.9
ENE									9.8		2.9			88.2
E	1.8	.6	.6						6.2	.9	4.0			87.0
ESE	2.5	1.3	1.3						6.3		3.8			84.9
SE	3.4	3.4	3.4						4.3	2.6	6.8			77.8
SSE	2.4	2.4							8.3	.8	14.2			76.4
S		2.9	.6						3.5		8.8			85.4
SSW	3.2		2.1						4.3		7.4			87.2
SW	1.4	1.0	1.0						2.9		5.8			89.3
WSW	1.1	1.1							1.1		16.4			81.4
W	.6	.6	.9						.9		16.4			81.7
WNW	1.1	1.1							2.2		20.4			75.3
NW									5.6		19.4			75.0
NNW		5.3												95.0
VARIABLE														
CALM	2.2	2.2	1.7	1.7	1.7	1.7	1.7	1.7	9.7	1.2	18.7	1.2	1.2	90.8
TOTAL	29	75	18						126	13	237		1	1988
% TOTAL	1.2	1.0	.8						5.3	.5	9.9		.0	82.9

TOTAL NUMBER OF OBSERVATIONS 2,399

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION LA BREA, CALIFORNIA YEARS JANUARY 1973-DECEMBER 1992 MONTH MAY HOURS ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									10.5		26.3			64.4
NNE			0.3						25.0					66.8
NE		3.3							19.2		11.5			73.1
ENE	1.7		2.5						17.3		2.5			76.5
E	0.1	0.8	2.3						9.9	0.4	3.7			83.5
ESE			4.2						15.3	0.7	8.0			77.4
SE	2.4		4.7						11.0	2.4	9.4			74.8
SSE	1.7	0.6	3.3						6.7	1.1	4.3			81.1
S	0.4	1.5	5.8						3.3		10.8			77.7
SSW			0.9						5.8	0.8	12.4			81.8
SW		1.0	1.6						9.6	0.4	16.8			75.2
WSW			3.4						3.9		17.9			77.8
W		0.5	1.0						5.4		23.2			71.6
WNW			4.6						7.9	0.8	33.3			58.7
NW			2.6						13.2		31.6			55.3
NHW			4.3						26.1		30.4			43.5
VARIABLE														
CALM	1.4	0.3	2.9						10.3	0.5	11.8			78.9
TOTAL	10	13	41						249	12	350			1851
% TOTAL	0.0	0.5	3.3						10.0	0.5	14.1			74.6

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION EL PASO, CALIFORNIA STATION NAME JANUARY 1973-DECEMBER 1982 YEAR JUNE MONTH ALL HOURS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									26.3		42.1			42.1
NNE									22.2		11.1			66.7
NE			5.3						21.1		10.5			63.2
ENE		2.3	2.3						23.3		8.7			69.8
E		.5	1.0						18.2	.5	4.0			78.3
ESE			1.1						19.1		6.7			76.4
SE	1.0	1.0	2.2						25.5	2.0	12.2			58.2
SSE			6.9						14.7		14.7			64.7
S			7.4						15.3		24.2			58.4
SSW			3.9						7.9		15.8			76.7
SW			3.1						6.3		25.0			70.4
WSW			2.0						3.4		27.7			69.6
W			1.2						3.4	.2	21.7			75.3
WNW			1.2						4.9		25.3			69.8
NW									7.4	2.1	27.7			64.0
NNW			4.8						14.3		16.7			71.4
VARIABLE														
CALM			2.0						14.8	.7	12.1			70.3
TOTAL	2	4	67						288	10	427			1695
% TOTAL	.1	.2	2.8						12.0	.4	17.8			70.2

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION EL TORO, CALIFORNIA JANUARY 1973-DECEMBER 1982 MONTH JULY HOURS ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									18.5		18.5			70.4
NNE									14.3		42.9			57.1
NE									25.0		12.5			75.0
ENE									32.1		21.4			57.1
E									15.2	.5	4.1			78.2
ESE									15.3		10.6			75.3
SE			1.2						10.8		13.3			79.5
SSE			1.7						8.6	.4	12.0			79.3
S			1.1						11.4	1.1	11.4			80.0
SSW									6.0	1.5	23.9			73.1
SW									11.3		22.4			67.9
WSW											31.2			68.0
W			.3						1.9		24.1			74.2
WNW			.6						4.7	.3	21.4			74.5
NW			1.2						11.1		29.6			63.0
NNW									31.8		20.5			54.5
VARIABLE														
CALM									25.6	1.3	14.9			46.7
TOTAL	1	1	11						255	12	467			1799
% TOTAL	.01	.03	.4						10.3	.5	18.8			72.5

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

11 1 1L 1090, CALIFORNIA JANUARY 1973-DECEMBER 1992 AUGUST ALL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	P.O WEATHER
N			0.3						25.0		18.8			62.5
NNE	14.3								14.3		14.3			57.1
NE			5.9						23.5	2.4	11.8			64.7
ENE									14.1		4.3			78.7
E			.5						25.8	1.6	9.5			68.4
ESE		1.3							19.0	2.5	7.6			69.6
SE	1.1		1.3						17.9		15.4			67.9
SSE	2.1		2.1						1.5	2.1	14.6			74.0
S			1.3						7.7	.6	21.8			71.2
SSW			1.7						11.9	1.7	25.4			66.1
SW									11.1		22.2			71.1
WSW	.7		.7						4.2		30.6			66.0
W	.2		.2						2.8	.2	29.5			68.7
WNW	.3								7.2	.8	28.0			66.9
NW								1.2	13.3		31.3			59.0
NNW									21.3	4.3	23.5			53.2
VARIABLE														
CALM	.1	.2	.6						10.6	.4	14.7			16.4
TOTAL	10	2	16					1	309	17	530			1677
% TOTAL	.4	.1	.6					.0	12.5	.7	21.4			67.6

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERYCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

11111 EL TORO, CALIFORNIA JANUARY 1973-DECEMBER 1982 SEPTEMBER ALL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N			2.6						15.4		17.9		2.6	66.7
NNE									16.1		2.2			80.6
NE									18.6	2.3	4.7			79.1
ENE			1.0						17.3	3.1	7.1			74.5
E			3.9						23.2	1.4	9.2			67.6
ESE			2.6					1.3	13.3	2.6	9.1			74.6
SE	4.3		5.7						18.6	0.3	18.6			64.3
SSE	5.4	2.2	6.5					1.1	18.2	1.1	19.6			65.2
S		0.8	3.0						8.3	0.8	17.4			74.2
SSW			7.3						7.3		30.9			61.8
SW		2.5	5.0						5.0		22.5			70.0
WSW	0.7		1.3						2.6		28.9			67.8
W		0.6	1.6						4.0	0.4	30.6			65.6
WNW	0.1								0.9	0.5	34.6			62.4
NNW			1.2						8.4	2.4	30.1			59.0
NNW	4.2		6.3						20.8		22.9			52.1
VARIABLE														
CALM	0.4	0.6	1.9					0.2	16.9	1.0	14.4			66.3
TOTAL	14	10	96					3	200	29	507		1	1609
% TOTAL	0.9	0.4	2.3					0.1	12.1	1.2	21.1		0.0	67.0

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION: FL 1090, CALIFORNIA STATION NAME: YEARS: JANUARY 1973-DECEMBER 1982 MONTH: OCTOBER HOUR: ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREIZNG RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									72.2		8.9			68.9
NNE	4.0							2.0	8.0	2.0	8.0			80.0
NE			.9						12.3		2.8		.9	84.0
ENE	.6		1.8						14.3	1.2	3.0			82.1
E			1.3					.3	15.4	1.0	9.9			75.0
ESE	1.0	1.0	1.0						17.5	1.0	9.3			74.2
SE	1.7		3.3						15.0	1.7	13.3			68.3
SSE		1.7	1.7						12.1		20.7			67.2
S	7.1	3.1						1.0	11.5		12.5			74.0
SSW									4.8		18.7			77.3
SW		2.6							7.7		17.9			71.8
WSW	.7	.7							4.3		20.6			77.3
W	.2	.2	.7					.2	3.2	.2	37.2			59.1
WNW									1.8		43.3			55.5
NW			1.8						10.9		38.2			52.7
NNW									21.2		21.2			60.6
VARIABLE														
CALM									34.1	1.7	23.1			48.6
TOTAL	1.0	10	19					4	332	19	513		1	1634
% TOTAL	.4	.8	.8					.2	13.5	.8	20.8		.0	66.3

TOTAL NUMBER OF OBSERVATIONS 2,464

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION FLYING DUTCHMAN, CALIFORNIA STATION NAME JANUARY 1973-DECEMBER 1982 YEARS NOVEMBER MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEDG RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		2.1					2.1	2.1	16.7	2.1	8.3			75.0
NNE									8.1		5.0		1.2	85.7
NE	.7	.7							6.9	1.4	5.5			84.8
ENE	.4	.4							9.0	1.7	5.4		.4	83.6
E		2.0	.3						8.4	1.5	5.1			83.4
ESE	4.3	1.3							15.3	1.3	4.0			77.3
SE	5.1	1.3	2.6						14.1	1.3	4.0			71.8
SSE	2.9	4.3	4.3						4.7		8.7			71.0
S	4.3	2.2							7.6	1.1	9.0			75.0
SSW		6.0							2.0		12.0			82.0
SW	5.4	5.4	2.7						2.7		13.5			73.0
WSW		3.3						1.1		1.1	18.7			76.9
W	.4	1.2							1.5	.8	23.1			74.2
WNW								.7	2.7	.7	32.0			63.3
NW			1.9						13.2		30.2			80.4
NNW	4.5								22.6		22.6			58.1
VARIABLE														
CALM														
TOTAL	28	33	13				1	3	215	35	291		2	1822
% TOTAL	1.5	1.8	.7				.0	.1	11.8	1.9	16.0		.1	75.4

TOTAL NUMBER OF OBSERVATIONS 2,000

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 1 EL TORO, CALIFORNIA STATION NAME JANUARY 1973-DECEMBER 1982 YEARS DECEMBER MONTH ALL HOURS (1-24)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									6.8	3.0	13.6			78.0
NNE		2.5							2.8	.9	8.3			86.1
NE		1.1							4.0	2.3	8.6			86.8
ENE	.4								13.4	.8	8.8			80.8
E	.2	1.0	.2		.2				11.8	2.0	12.4			75.2
ESE	6.3	4.1	2.7						14.9	2.7	4.7			69.6
SE	5.6	3.3	3.3						16.7		7.8			68.9
SSE	11.2	1.1	1.1						21.3	1.1	7.9			65.2
S	4.2	3.6	2.4						12.0	1.2	14.3			71.1
SSW	9.4								9.4	1.9	20.8			64.2
SW	2.4		5.9						2.9		8.8			82.4
WSW		1.6	1.6						8.1		14.5			75.8
W	1.1		.8						6.7	.4	36.8			58.2
WNW									3.6	.7	43.5			55.1
NW									5.6		31.5	1.9		61.1
NNW									7.3		31.7			63.4
VARIABLE														
CALM	1.1	.2	.2						22.6	.7	22.8			54.5
TOTAL	48	24	17		1				293	29	441		1	1725
% TOTAL	1.9	1.0	.7		.0				11.8	1.2	17.8		.0	69.6

TOTAL NUMBER OF OBSERVATIONS 2,477

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

0711 FL TONO, CALIFORNIA JANUARY 1973-DECEMBER 1982 ALL ALL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.5	1.7	.6				.2	.6	13.3	1.9	12.3		.2	72.6
NNE	1.2	1.6	.2					.2	7.4	1.3	6.5		.4	82.9
NE	.5	.9	.4						7.7	2.0	5.6		.1	85.0
ENE	.7	.5	.6					.1	10.7	1.5	4.8		.1	82.9
E	1.4	1.3	1.1		.0			.1	11.9	1.4	6.2			79.4
ESE	4.9	2.6	1.3					.2	12.1	1.3	9.1			76.1
SE	5.4	3.4	1.6					.2	13.1	1.5	8.9			69.6
SSE	4.7	2.9	2.8			.1		.2	10.6	1.1	10.6			72.5
S	1.7	2.2	2.5					.2	8.9	.6	12.8			75.5
SSW	1.6	1.6	1.9						5.7	.6	14.5			77.6
SW	1.4	2.1	1.2					.3	5.5	.6	14.4			78.3
WSW	.4	.9	1.1					.1	2.7	.1	20.5			75.9
W	.4	.5	.8					.0	3.0	.3	26.2			70.6
WNW	.5	.5	.6					.1	4.6	.5	24.5			65.7
NNW	.1	.1	.7					.1	9.0	.6	24.6		.3	62.2
NW	1.2	.5	1.7						17.2	1.0	19.2		.2	63.4
VARIABLE														
CALM	.5	.6	1.1					.0	17.0	1.4	14.1			64.6
TOTAL	47.2	34.0	35.8		.1	.1	.1	2.8	277.4	2.87	430.4		.8	210.99
% TOTAL	1.4	1.2	1.2		.0	.0	.0	.1	9.7	1.0	13.0		.0	73.5

TOTAL NUMBER OF OBSERVATIONS 26,714

NAVWEASERVCOM

NOCD. Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION EL TIRO, CALIFORNIA YEARS 45-51

PRECIP.	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SHOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-26	27-48	49-60	61-120	OVER 120						
JAN	73.0	7.3	.9	2.4	2.4	3.8	4.5	2.7	2.1	.1	.1			18.8	1095	2.48	8.89	.00	
FEB	72.9	9.1	1.4	2.8	1.9	3.5	3.3	2.5	2.1	.3				18.0	988	2.15	1.70	TRACE	
MAR	72.2	7.5	1.6	2.7	3.4	4.3	4.3	2.6	1.4	.1				20.4	1085	2.10	7.76	TRACE	
APR	72.5	14.4	1.3	2.6	1.8	3.5	1.9	1.4	.6					13.1	1080	1.05	5.43	TRACE	
MAY	72.1	19.4	1.4	3.2	1.8	1.6	.3	.2						4.5	1147	.22	1.22	TRACE	
JUN	72.5	17.2	.5	1.7	.6	.4	.1							3.3	1110	.06	.32	.00	
JUL	91.4	7.7	.1	.4	.1	.2	.1							.9	1116	.02	.34	.00	
AUG	80.7	7.1	.4	.4	.4	.2	.1	.1		.1				1.6	1116	.13	3.05	.00	
SEP	82.3	14.1	1.1	1.0	.2	.5	.5	.2	.3					3.7	1110	.21	2.19	.00	
OCT	72.8	14.2	2.0	2.1	.5	1.3	.6	.3						6.7	1116	.22	1.48	TRACE	
NOV	72.7	7.7	1.6	1.7	1.2	2.4	2.8	1.9	.7	.3				12.6	1110	1.39	6.70	.00	
DEC	77.3	7.7	.9	3.0	1.7	3.3	2.3	2.5	1.3					15.0	1147	1.69	5.28	TRACE	
ANNUAL	72.6	11.2	1.1	2.0	1.3	2.1	1.7	1.2	.7	.1	.0			10.2	13210	1.72			

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION 11101 LL TORO, CALIFORNIA STATION NAME 95-61 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.03	.04-.10	.11-.25	.26-.30	.31-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-3.4	3.5-3.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-30.4	OVER 30.4	OVER 30.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-34	37-48	49-60	61-120	OVER 120					
JAN	99.7	.6		.1										.1	1023	TRACE	1.2	.0
FEB	99.9	.1													932	TRACE	TRACE	.0
MAR	99.9	.1													1054	TRACE	TRACE	.0
APR	100.0														1050	.0	.0	.0
MAY	100.0														1085	.0	.0	.0
JUN	100.0														1050	.0	.0	.0
JUL	100.0														1054	.0	.0	.0
AUG	100.0														1054	.0	.0	.0
SEP	100.0														1020	.0	.0	.0
OCT	100.0														1054	.0	.0	.0
NOV	100.0														1080	.0	.0	.0
DEC	99.9	.1													1116	TRACE	TRACE	.0
ANNUAL	99.9	.1		.0										.0	12572	.0	X	X

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION EL MENDO, CALIFORNIA STATION NAME 50-81 YEARS

PRECIP.	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	99.9				.1									.1	930				
FEB	100.0														847				
MAR	100.0														961				
APR	100.0														930				
MAY	100.0														992				
JUN	100.0														930				
JUL	100.0														961				
AUG	100.0														992				
SEP	100.0														930				
OCT	100.0														961				
NOV	100.0														960				
DEC	100.0														992				
ANNUAL	100.0				.0									.0	11356				

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION

EL TORO, CALIFORNIA
STATION NAME

45-82

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				.19	.04	.02	.02	.63	TRACE	.32	.21	2.43	
46	.17	.66	2.49	.63	.09	TRACE	TRACE	TRACE	.30	.32	1.54	2.01	2.49
47	.39	.33	.19	.14	.14	.03	.00	.03	.12	.05	.35	1.07	1.07
48	.01	1.55	.64	1.00	.05	.09	TRACE	TRACE	TRACE	.04	.00	.64	1.55
49	1.17	.31	.40	.03	.23	TRACE	TRACE		TRACE	.06	.84	.61	
50	.71	1.08	.74	.93	.04	TRACE	TRACE		TRACE	.03	.76	.02	1.08
51	.51	.31	.55	.85	.04	TRACE	TRACE	.18	.26	.68	.37	1.91	1.91
52	1.83	.20	2.54	.79	TRACE	.04	TRACE	TRACE	.31	TRACE	1.60	1.00	2.54
53	.39	.46	.48	.14	.08	TRACE		TRACE	TRACE	TRACE	.96		
54	1.84	1.60	1.17	.05	.05	TRACE	TRACE	TRACE	TRACE	TRACE	.81	.41	1.84
55	1.49	1.50	.18	1.24	.33	.02	TRACE	TRACE	TRACE	TRACE	.35	.32	1.50
56	5.18	.10	TRACE	1.88	.30	TRACE	TRACE	TRACE	TRACE	.36	.00	.37	5.18
57	1.03	1.29	.46		.21	.04	.05	TRACE	.00	.55	.27	1.37	
58	.40	2.05	1.99	2.13	.11	.08	.00	.03	.56	.07	.24	.03	2.18
59	.80	1.09	TRACE	.47	.05	TRACE	TRACE	.01	TRACE	.03	.11	.70	1.09
60	.63	1.24	.19	1.50	.09	TRACE	.34	TRACE	.01	.15	1.23	.12	1.40
61	.62	.18	.27	.01	.01	.11	TRACE	.08	.01	.21	.59	1.11	1.11
62	1.62	1.18	.61	TRACE	.51	.19	TRACE	TRACE	TRACE	.04	.03	TRACE	1.62
63	.20	1.93	1.46	.86	TRACE	.08	TRACE	.06	1.20	.26	2.79	TRACE	2.79
64	.71	.05	.38	.25	.03	.25	.00	TRACE	.12	.19	.56	.77	.78
65	.32	.19	.71	.95	.01	.05	.11	.01	.38	TRACE	2.61	1.85	2.61
66	.81	.80	.19	.06	.03	TRACE	TRACE	TRACE	.03	.08	2.81	2.31	2.81
67	1.33	TRACE	.51	.51	.03	.03	TRACE	TRACE	.24	TRACE	.78	1.21	1.33
68	.25	.09	1.17	.40	.11	TRACE	.10	TRACE	TRACE	.17	.39	.69	1.17
69	1.82	2.94	.56	.32	.14	.02	.13	.00	.01	TRACE	1.89	.14	2.94
70	.50	.93	1.11	.01	.01	.03	TRACE	.00	TRACE	.13	1.89	1.08	1.89
71	.56	.23	.30	.32	.22	.07	TRACE	.00	.01	.25	.12	.75	.75
72	TRACE	.04	TRACE	.07	.04	.11	TRACE	.08	.01	.02	.92	.59	.92
73	1.25	1.35	.94	.04	.07	.05	TRACE	TRACE	.11	.14	.34	.14	1.35
74	1.51	.11	1.06	.25	.11	TRACE	TRACE	TRACE	TRACE	.17	.01	2.08	2.08
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION FL 1090, CALIFORNIA
STATION NAME

85-87
YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	.14	.00	1.16	1.00	.15	.03	TRACE	.01	TRACE	.05	.47	.16	1.16
76	.00	1.43	.53	.53	.00	.32	TRACE	TRACE	1.33	.05	.59	.34	
77	.73	.57	.40	TRACE	.8	.02	TRACE	2.58	TRACE	TRACE	.07	.84	2.48
78	1.24	1.45	1.23	1.23	.13	.00	.00	TRACE	1.10	.02	.41	.90	1.54
79	1.41	.62	1.54	TRACE	.04	TRACE	TRACE	.05	TRACE		.26	.10	
80			1.23	.13	.13	.00	TRACE	TRACE	.01	TRACE	TRACE	.33	
81	.94	.74	.97	.27	.13	.04	.00	.00	.04	.64	.97	.67	.98
82													
MEAN	.24	.64	.81	.53	.13	.05	.02	.11	.14	.14	.77	.77	1.21
S. D.	.935	.678	.641	.543	.161	.072	.064	.438	.343	.162	.797	.692	.918
TOTAL OBS.	1025	987	1085	1080	1147	1110	1116	1116	1110	1116	1110	1147	13210

SMOS

NAVAL WEATHER SERVICE DETACHMENT
 ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
 (FROM DAILY OBSERVATIONS)

191 FL TORO, CALIFORNIA 45-47
 STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES
 /BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49								TRACE 29					PRECIP DAYS
53							TRACE 30						PRECIP DAYS
57				.57 29									PRECIP DAYS
76			1.07 30										PRECIP DAYS
79										.31 29			PRECIP DAYS
82	1.54 25	TRACE 6	1.17 16	.09 20	.31 6	.09 24	.00 12	TRACE 13	.40 23	.03 6	.92 21	.00 4	PRECIP DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION EL TORO, CALIFORNIA
STATION NAME

45-57
YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45											.0	.0	
46								.0	.0				
47	.7			.0	.0	.0	.0	.0		.0	.0	.0	
48									.0	.0	.0	.0	
49	1.2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54								.0	.0	.0	.0	.0	.0
55	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
56								.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61								.0	.0	.0	.0	.0	.0
62	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
74	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION EL TORO, CALIFORNIA STATION NAME 85-92 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	.	.	.	.	.	.	.	.	.	.	.	.	.
76	.	.	.	.	.	.	.	.	.	.	.	.	.
77	.	.	.	.	.	.	.	.	.	.	.	.	.
78	.	.	.	.	.	.	.	.	.	.	.	.	.
79	TRACE	.	.	.	.	.	.	.	.	.	.	.	.
80	.	.	TRACE	.	.	.	.	.	.	.	.	.	.
81	.	.	.	.	.	.	.	.	.	.	.	.	.
82													
MEAN	.04	TRACE	TRACE	.00	.00	.00	.00	.00	.00	.00	.00	TRACE	.00
S. D.	.200	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	1023	932	1054	1050	1009	1050	1054	1754	1020	1054	1780	1116	12572

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

42101 EL TORO, CALIFORNIA 45-87
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				0	0	0	0	0	0	0			SNOWFALL DAYS
46	0				0	0	0			0		0	SNOWFALL DAYS
47		0	0						0				SNOWFALL DAYS
48	0							0					SNOWFALL DAYS
49								0					SNOWFALL DAYS
52									0				SNOWFALL DAYS
53							0						SNOWFALL DAYS
57				0									SNOWFALL DAYS
76			0										SNOWFALL DAYS
79			0							0			SNOWFALL DAYS
82	0	0	0	0	0	0	0	0	0	0	TRACE	0	SNOWFALL DAYS
	25	9	15	20	6	24	12	13	23	6	71	4	
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION EL TOPO, CALIFORNIA

YEARS 45-49, 50-82

DAILY SNOW DEPTH IN INCHES

MO: TH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45													
46													
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION

EL TIJO, CALIFORNIA
STATION NAME

45-49, 50-82

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75													
76													
77													
78													
79													
80													
81													
82													
MEAN													
S. D.	.547	.000	.000	.000	.007	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	937	847	961	900	992	930	961	992	930	961	960	992	11356

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION EL 1090, CALIFORNIA STATION NAME 45-47, 50-82 YEARS

DAILY SNOW DEPTH IN INCHES
(BASED ON LESS THAN FULL MONTHS)

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				0	0	0	0	0	0	0	0	0	SNOW DEPTH DAYS
46	0	0	1	0	0	0	0	0	0	0	0	0	SNOW DEPTH DAYS
47	0	0	2	0	0	0	0	0	0	0	0	0	SNOW DEPTH DAYS
48	0	0	0	0	0	0	0	0	0	0	0	0	SNOW DEPTH DAYS
49	0	0	0	0	0	0	0	0	0	0	0	0	SNOW DEPTH DAYS
50	0	2											SNOW DEPTH DAYS
52									2				SNOW DEPTH DAYS
53				29			30						SNOW DEPTH DAYS
57				28		29							SNOW DEPTH DAYS
76			30										SNOW DEPTH DAYS
77										29			SNOW DEPTH DAYS
82	25	9	16	20	6	24	12	13	23	6	21	4	SNOW DEPTH DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

EL TORO, CALIFORNIA

1946-1979 1981-1982

STATION	STATION NAME						YEARS						
JANUARY							FEBRUARY						
MONTH							MONTH						
DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST			DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE		INCHES	MM	DATE	INCHES	MM	DATE
1	0.60	15	1955				1	1.24	31	1960			
2	0.56	14	1971				2	0.37	9	1979			
3	1.36	9	1978				3	2.03	32	1958			
4	1.54	39	1978	T	T	1979	4	0.89	73	1958			
5	1.54	40	1979				5	1.33	39	1968			
6	0.80	20	1959				6	1.18	30	1969			
7	1.11	28	1974				7	0.68	17	1974			
8	2.71	18	1957				7	1.18	30	1962			
9	0.63	16	1978	T	T	1989	9	1.93	49	1963			
10	1.21	31	1955	T	T	1989	10	0.99	23	1978			
11	1.38	10	1958	1.2	30	1989	11	1.35	34	1973			
12	1.31	33	1952				12	1.19	36	1978			
13	1.05	26	1957				13	1.80	41	1954			
14	1.10	28	1978				14	0.20	3	1954			
15	1.37	14	1979				15	0.54	18	1962			
16	1.53	48	1952	T	T	1955	16	1.09	26	1959			
17	1.44	38	1952				17	0.79	20	1959			
18	1.49	38	1955				18	0.45	11	1969			
19	1.84	47	1954				19	1.98	50	1958			
20	1.62	41	1962				20	1.13	29	1962	T	T	1962
21	1.69	18	1964	T	T	1962	21	1.03	27	1959			
22	1.33	34	1961				22	0.54	14	1969			
23	1.44	11	1969				23	2.77	70	1969			
24	1.30	33	1967				24	2.99	76	1969			
25	1.91	74	1956				25	2.62	67	1969			
26	5.13	132	1956				26	0.31	8	1951			
27	1.35	9	1956				27	1.50	38	1955			
28	1.98	25	1981	T	T	1979	28	1.31	33	1978			
29	0.87	22	1981				29	0.24	6	1960			
30	1.24	31	1979				30						
31	0.62	16	1979				31						
Monthly	5.13	132	1956	1.2	30	1969	Monthly	2.99	76	1969	T	T	1962

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMO.

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

FL TORO, CALIFORNIA

1965-1992

STATION

STATION NAME

YEARS

MARCH

MONTH

APRIL

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.19	30	1978			
2	1.07	27	1980			
3	1.35	9	1967			
4	1.23	31	1978			
5	0.67	17	1980			
6	0.67	17	1980			
7	2.54	65	1952			
8	1.17	30	1968			
9	0.37	9	1957			
10	0.60	17	1975			
11	0.71	18	1973			
12	1.38	35	1958			
13	0.40	10	1948			
14	1.15	29	1982			
15	0.39	61	1952			
16	1.99	51	1958			
17	0.64	16	1979			
18	0.18	5	1962	T	T	1980
19	1.18	30	1979			
20	0.94	24	1973			
21	0.57	14	1958			
22	0.43	11	1964			
23	0.88	22	1964			
24	0.74	19	1950			
25	0.40	10	1977			
26	0.22	6	1965			
27	1.56	40	1979			
28	0.56	14	1979			
29	0.30	8	1954			
30	2.49	63	1966			
31	0.77	20	1965			
Monthly	2.54	65	1952	T	T	1980

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.18	55	1958			
2	0.31	8	1968			
3	1.00	25	1948			
4	0.21	5	1958			
6	0.32	8	1969			
6	1.30	33	1958			
7	0.65	17	1958			
8	1.06	27	1975			
9	0.48	12	1965			
10	0.72	18	1952			
11	0.41	10	1967			
12	7.88	48	1956			
13	0.40	10	1956			
14	0.32	8	1971			
15	1.01	26	1978			
16	0.12	3	1975			
17	0.88	22	1963			
18	0.51	13	1967			
19	0.38	10	1967			
20	0.82	21	1957			
21	0.61	15	1957			
22	0.32	8	1955			
23	0.09	2	1960			
24	0.16	4	1960			
25	0.65	22	1951			
26	0.50	14	1963			
27	1.40	36	1960			
28	0.59	15	1948			
29	0.04	1	1973			
30	1.24	31	1955			
31						
Monthly	2.18	55	1958			

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD - REF. ORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

EL TORO, CALIFORNIA

1945-1982

STATION

STATION NAME

YEARS

MAY
MONTH

JUNE
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.12		3 1978			
2	0.06		2 1950			
3	0.09		2 1950			
4	0.31		8 1982			
5	0.11		3 1974			
6	0.14		4 1969			
7	0.33		13 1955			
8	0.32		21 1977			
9	0.32		8 1977			
10	0.14		4 1947			
11	0.09		2 1957			
12	0.11		3 1968			
13	0.25		6 1949			
14	0.51		13 1962			
15	0.04		2 1953			
16	0.04		1 1962			
17	0.10		3 1949			
18	0.16		4 1949			
19	0.28		7 1957			
20	0.15		6 1975			
21	0.06		2 1957			
22	0.05		1 1950			
23	0.03		1 1980*			
24	0.12		3 1955			
25	0.17		4 1962			
26	0.04		1 1962			
27	0.11		3 1971			
28	0.22		6 1971			
29	0.01		1945			
30	0.12		3 1948*			
31	0.07		2 1973			
Monthly	0.52		21 1977			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.11		3 1961			
2	0.08		2 1948			
3	0.01		1963			
4	0.01		1945			
5	0.02		1 1972			
6	0.01		1972			
7	0.03		1 1972			
8	0.11		3 1972			
9	0.25		6 1964			
10	0.32		8 1976			
11	0.02		1 1969			
12	0.01		1970			
13	0.03		1 1967			
14	T	T	1982*			
15	0.19		5 1962			
16	0.08		2 1958			
17	0.09		2 1982			
18	0.09		2 1945			
19	T	T	1975*			
20	0.05		1 1972			
21	0.03		1 1982			
22	0.03		1 1982			
23	T	T	1972*			
24	0.03		1 1947			
25	0.05		1 1965			
26	0.04		1 1952			
27	T	T	1959*			
28	T	T	1959*			
29	T	T	1975*			
30	T	T	1973*			
31						
Monthly	0.32		8 1976			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

EL TORO, CALIFORNIA

1945-1992

STATION

STATION NAME

YEARS

JULY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T	T	1955*			
2	0.04		1 1957			
3	T	T	1967*			
4	T	T	1977*			
5						
6	T	T	1973*			
7	0.02		1 1968			
8	0.10		3 1968			
9	T	T	1972*			
10	0.05		1 1957			
11	0.13		3 1969			
12	T	T	1955*			
13	T	T	1979*			
14	T	T	1974*			
15	T	T	1976*			
16	T	T	1976*			
17	T	T	1965*			
18	T	T	1973*			
19	T	T	1972*			
20	1.34		9 1967			
21	T	T	1972*			
22	T	T	1976*			
23	T	T	1956*			
24	T	T	1973*			
25	T	T	1976			
26						
27	T	T	1968*			
28	0.04		1 1968			
29	0.11		3 1965			
30	0.01		1965			
31	T	T	1976*			
Monthly	0.34		9 1967			

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T	T	1963			
2						
3	T	T	1968*			
4	0.08		2 1961			
5	T	T	1979			
6	T	T	1979*			
7	0.06		2 1963			
8	0.03		1 1947			
9	T	T	1956*			
10	T	T	1961*			
11	0.05		1 1979			
12	0.08		2 1972			
13	0.03		1 1958			
14	T	T	1980*			
15	0.03		1 1958			
16	0.45		11 1977			
17	2.58		68 1977			
18	0.65		17 1945			
19	T	T	1980*			
20						
21	0.01		1975			
22	T	T	1965*			
23	0.01		1959			
24	T	T	1974*			
25	T	T	1964*			
26	T	T	1974*			
27	T	T	1972*			
28	0.18		8 1951			
29	0.17		4 1951			
30	T	T	1974*			
31	T	T	1974*			
Monthly	2.58		68 1977			

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION EL TOPO, CALIFORNIA STATION NAME 1945-1982 YEARS

SEPTEMBER MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.07	2	1967			
2	T	T	1972*			
3	0.27	7	1976			
4	0.31	9	1963			
5	1.10	28	1978			
6	0.12	3	1978			
7	0.02	1	1976			
8	0.01		1982			
9	0.04	1	1976			
10	1.33	34	1976			
11	0.02	1	1976			
12	T	T	1980*			
13	T	T	1982*			
14	0.07	2	1978			
15	0.10	3	1982			
16	0.08	1	1982			
17	1.20	30	1963			
18	0.53	13	1963			
19	0.31	8	1952			
20	T	T	1976*			
21	T	T	1979*			
22	0.11	3	1973			
23	0.56	14	1958			
24	0.12	3	1964			
25	0.16	4	1982			
26	0.40	10	1982			
27	0.26	7	1951			
28	0.24	7	1967			
29	0.01		1966			
30	0.03	1	1981			
31						
Monthly	1.73	34	1976			

OCTOBER MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.64	16	1981			
2	0.01		1951			
3	0.13	3	1970			
4	0.20	5	1956			
5	T	T	1973*			
6	0.08	2	1945			
7	0.06	2	1974			
8	0.21	5	1961			
9	T	T	1968*			
10	0.15	4	1960			
11	0.55	14	1957			
12	T	T	1964*			
13	0.33	8	1957			
14	0.15	4	1957			
15	T	T	1973*			
16	0.28	7	1971			
17	0.13	3	1963			
18	0.26	7	1963			
19	0.07	2	1979			
20	0.31	8	1979			
21	T	T	1973*			
22	T		1981*			
23	0.05	1	1951			
24	0.02	1	1951			
25	0.68	17	1951			
26	0.03	1	1959			
27	0.18	5	1956			
28	0.36	9	1956			
29	0.32	8	1945			
30	0.35	9	1957			
31	0.06	2	1957			
Monthly	0.68	17	1951			

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION PL YORO, CALIFORNIA STATION NAME 1945-1982 YEARS

NOVEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.11	3	1959			
2	0.27	7	1957			
3	1.22	6	1960			
4	T	T	1972			
5	0.10	5	1960			
6	1.00	48	1969			
7	2.61	71	1966			
8	0.61	10	1966			
9	0.79	20	1962	T	T	1982
10	1.92	23	1982			
11	0.81	21	1954			
12	1.34	47	1946			
13	1.04	26	1946			
14	0.96	24	1953			
15	1.60	41	1952			
16	1.04	26	1965			
17	0.56	14	1964			
18	0.27	7	1950			
19	0.34	10	1950			
20	2.79	71	1963			
21	0.78	20	1967			
22	2.61	66	1965			
23	0.66	17	1946			
24	0.72	18	1965			
25	0.58	15	1961			
26	0.60	15	1960			
27	0.50	14	1981			
28	0.77	25	1981			
29	1.89	48	1970			
30	1.01	26	1952			
31						
Monthly	2.61	71	1966	T	T	1982

DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.81	21	1952			
2	1.11	28	1961			
3	1.37	47	1966			
4	2.38	53	1974			
5	2.31	59	1966			
6	0.47	12	1966			
7	0.39	10	1972	T	T	1972
8	0.25	6	1959			
9	0.59	15	1959			
10	0.46	22	1965			
11	0.59	15	1951			
12	0.35	9	1965			
13	0.02	1	1971			
14	0.58	15	1965			
15	1.34	34	1957			
16	0.72	18	1957			
17	0.40	23	1978			
18	1.21	31	1967			
19	0.64	16	1970			
20	1.00	25	1952			
21	1.60	41	1945			
22	2.43	62	1945			
23	0.10	4	1948			
24	0.75	19	1971			
25	0.69	18	1968			
26	2.01	51	1946			
27	0.77	20	1964			
28	0.78	20	1974			
29	1.91	49	1951			
30	1.15	29	1951			
31	0.19	5	1965			
Monthly	2.43	62	1945	T	T	1972

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

North Federal Building
Asheville, N. C.

PART C SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION 1 EL PASO, CALIFORNIA 45-4 YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46		54E 45		W 32NW 27S	23W	18S	20NE 33NE	33NE 33NE	33NE 33NE	33NE 33NE	33NE 33NE	33NE 33NE	26
47	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
48	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
49	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
50	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
51	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
52	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
53	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
54	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
55	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
56	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
57	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
58	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
59	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
60	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
61	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
62	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
63	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
64	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
65	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
66	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
67	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
68	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
69	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
70	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
71	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
72	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
73	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
74	11E 55SE	17NE 34SE	34SE	28W	24SW	17NW 17NW	14SW 18NE	27NE 59SE	37				24E 55
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

1111111 LL 7190, CALIFORNIA
STATION STATION NAME

45-87

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS	
75	34	4703	4005	4126	2320	2329	2231	1918	2830	1707	2626	3005	32	63 47
76	27	2505	31	20	2627	2324	1827	1924	2017	2204	4205	5908	38	
77	24	3101	2873	3616	2716	3027	2524	1824	1826	2126	1806	2304	29	03 38
78	29	3511	4114	3222	2215	2318	2027	1817	1903	3101	2926	2805	38	13 41
79	24	3322	4115	2821	2224	2425	1822	2429	2209	1914	3201	2704	40	22 41
80			25	3324	4123	2135	2224	1916	2024	1504	3003	5512	26	
81	24	3303	5124	3615	2327	2104	3516	1900	2125	1804	3715	2325	27	03 51
82														
MEAN	34.1	37.4	34.1	29.1	24.3	21.9	20.0	20.9	22.6	29.5	36.6	38.2		49.0
S.D.	6.84	10.816	6.485	7.321	4.393	4.396	5.130	3.749	6.116	7.489	1.358	10.471		6.551
TOTAL OBS.	1015	844	987	1075	1074	1072	1110	1132	1095	1106	1039	1069		12664

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

1101
STATION

EL TORO, CALIFORNIA
STATION NAME

45-97
YEARS

YEARS

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45			W 40 26		S 23 22	WNW 19 12	WNW 18 23						WINDS DAYS
46	NE 50 23												WINDS DAYS
50		WSW 19 22											WINDS DAYS
52												ESE 36 24	WINDS DAYS
54		WNW 31 24											WINDS DAYS
55	ESE 34 13		WSW 20 12										WINDS DAYS
56					NE 41 27						ESE 49 21		WINDS DAYS
57				W 33 26						SSW 25 27	NE 63 21		WINDS DAYS
69			WNW 33 27										WINDS DAYS
72												SE 36 27	WINDS DAYS
76			ON 24 27										WINDS DAYS
78	03 62 15 25	19 14 9	24 16 16	05 20 20	51 25 6	1 12 24	25 24 12	16 14 13	30 17 23	20 25 6	18 23 20	34 04 16	47 DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION EL TORO, CALIFORNIA STATION NAME 45-62 YEARS

DAILY PEAK GUSTS IN KNOTS (MPH 1949-1955)
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46			40 26		5 23	19	18						WINDS DAYS
48	NE 34 23												WINDS DAYS
50		WSW 19 22											WINDS DAYS
52												ENE 39 24	WINDS DAYS
54		WSW 31 25											WINDS DAYS
55	ENE 34 17		WSW 20 12										WINDS DAYS
56					NE 44 27						ENE 49 21		WINDS DAYS
57				4 33 25						SSW 25 27	NE 63 21		WINDS DAYS
59			WSW 33 27										WINDS DAYS
72												36 91 27	WINDS DAYS
76			04 24 27										WINDS DAYS
82	03 6215 25	17 9	14 24 16	05 20	5 25 6	16 12 24	25 12 12	16 14 13	30 19 23	20 25 6	18 23 20	34 27 8	WINDS DAYS
MEAN													
S. D.													
TOTAL OBS													

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 0191 EL TORO, CALIFORNIA STATION NAME: EL TORO, CALIFORNIA YEARS: 73-79, 81-82 MONTH: JAN
CLASS: ALL WEATHER MONTH (L.S.T.): 01
CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.8	.4			.7							2.9	6.8
NNE	2.2	.4	.7			1.1						4.7	4.6
NE	3.8	4.3	.7									3.5	4.8
ENE	5.6	7.2	.7	.4								13.7	4.1
E	11.5	11.2	2.5									25.2	3.9
ESE	5.4	4.7	.7	.4								11.5	3.8
SE	3.2	3.2			.4							6.8	4.1
SSE	2.2	.7	.4	.4								3.6	4.2
S	.7	.4	.4									1.9	4.0
SSW		.4										.4	4.0
SW	.4	.4		.4								1.1	7.0
WSW		.7	.4	.4								1.4	7.3
W	.7	.4										1.1	3.0
WNW													
NW		.7										.7	4.0
NNW	.7	.4										1.1	3.3
VARBL													
CALM												16.2	
	34.1	35.3	6.5	1.8	1.1	1.1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 275

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

111
STATION

CL TORO, CALIFORNIA
STATION NAME

73-79, 81-92
YEARS

JAN
MONTH

ALL WEATHER
CLASS

04
NUMBER (L.S.T.)

CONDITIONS

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	2.5	.4	.7									3.6	3.7
NNE	1.4	1.4		.7		.4	.4					4.5	4.4
NE	1.7	3.4	.4	1.1	.4							17.4	5.1
NNE	2.5	5.0	.4	.4								14.7	3.6
E	10.5	12.5	.7									24.6	3.6
ESE	5.7	2.4	1.1	.4								10.0	3.9
SE	2.9	1.4										4.3	3.0
ESE	1.1	1.1										2.2	3.2
S	1.1	.4										1.4	2.3
SSW	.4	.4										.7	4.5
SW													
WSW													
W	.4		.7	.7								1.4	10.0
WNW	.4		.4									.7	4.5
NW		.4										.4	4.0
NNW	.7				.4							1.1	7.3
/ARBL													
CALM												20.4	
	41.2	27.4	4.7	3.2	.7	.4	.4					100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

279

SMCS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: PL TOMO, CALIFORNIA STATION NAME: PL TOMO, CALIFORNIA YEAR: 73-79, 81-82 MONTH: JAN

CLASS: ALL WEATHER HOUR OF DAY: 07

CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.1		.7								2.9	6.1
NNE	1.1	1.4		.7		.4						4.3	6.6
NE	5.7	4.7	.7	.7	.4							12.2	4.7
NNE	1.4	2.1	.7									13.3	3.1
E	16.1	9.2	1.1	.7	.4							26.2	3.6
ESE	5.7	4.3	.1									10.4	3.5
SE	3.4	1.4	1.4	.8								7.7	4.2
SSE	1.4	.7										2.2	2.5
S	.7	1.1	.4									2.2	4.2
SSW		.4										.4	4.0
SW	.4	.4										.7	3.5
WSW	.4	.4										.7	3.0
W	.4			.4								.7	7.5
WNW	.7	.4	.4									1.4	5.3
NW	.4											.8	3.0
NNW	.4											.4	3.0
VARB													
CALM												14.0	
	49.5	26.8	5.8	3.1	.7	.4						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 279

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4111
STATION

EL TORO, CALIFORNIA
STATION NAME

73-79, 81-82
YEAR

JAN
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7											.7	2.0
NNE		.4		.4	.4							1.4	15.3
NE		.4	.4	1.4	.4							2.5	12.1
NNE		.4	.4	.7								1.4	10.6
E	2.2	1.0	.7	.7								5.4	4.9
ESE	.4	1.0	2.0	.4	.4							5.4	7.9
SE	2.0	3.0	.7									6.3	4.3
SSE	2.0	3.0	1.1	.7								8.2	5.5
S	7.0	4.7	.4	.7								13.5	3.4
SSW	.0	.7	.4									3.9	2.8
SW	1.1	.4										1.4	2.5
WSW	2.2	.0										2.0	3.3
W	3.2	2.2	.7	.4								6.5	4.4
WNW	1.0	1.0	1.1		.4							5.0	5.5
NW	.4	.4	.4									1.1	6.0
NNW	.7	1.1		.4								2.2	5.3
VARL													
CALM												11.0	
	29.7	27.7	8.6	5.7	1.4	.4						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

279

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 1101 FL TORO, CALIFORNIA YEAR: 73-79, 81-82 MONTH: JAN
STATION NAME YEAR MONTH
ALL WEATHER
CLASS
13
NOBS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	.4	.4	.4	.4							2.5	7.3
NNE	.4		1.1	.7	.4							1.5	9.9
NE		.7	.7	.4		.4						2.2	11.7
NNE		.4	.4	.7								1.4	7.3
E	.4	.4	1.1	.7								2.5	3.0
ESE	.4	1.1	1.1									1.5	6.3
SE	.4		1.4									1.8	7.4
SSE	1.1	1.4	3.2	.7	.4							7.2	8.1
S	1.1	1.4	1.4	1.1								5.4	6.9
SSW	1.1	2.5										3.6	3.9
SW	1.1	2.2	1.4									5.4	4.9
WSW	2.9	6.4	2.2	.4	.4							12.5	5.7
W	7.4	12.7	3.9	.4	1.1							25.4	5.4
WNW	5.4	4.3	1.1									10.1	3.7
NW	1.1	3.9										5.7	3.9
NNW	.7	.7			.4							1.8	7.0
VARB													
CALM												6.8	
	25.2	39.6	10.4	5.4	2.9	.4						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 279

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

07101
STATION

EL TORO, CALIFORNIA
STATION NAME

73-79, 81-82
YEARS

JAN
MONTH

ALL WEATHER
CLASS

16
DAYS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4			.7								2.2	6.3
NNE	.7			1.4								2.2	7.2
NE	.7	.7	.4	.4	.4		.4					2.2	10.5
NNE	.4	.4		.4								1.1	6.0
E	.4	1.1	2.2									3.4	7.1
ESE			.7	.7								1.4	11.3
SE		.4	1.1	.7								2.2	7.5
SSE	1.1	1.1	2.2									6.1	5.6
S	2.2	2.5	2.2	.7								9.7	5.6
SSW	.7	1.1	.4									2.9	5.0
SW	1.4	1.1	1.1									4.3	5.9
WSW	2.2	5.7	5.7	.4								13.3	6.2
W	4.7	21.7	4.7	2.9								33.7	5.7
WNW	1.1	2.2	1.1									5.7	4.6
NW	1.4	1.4	.4		.4							3.6	5.2
NNW	.7	.4	.4	.4								1.8	6.2
VARB													
CALM												3.6	
	21.5	41.1	23.7	8.6	.7		.4					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

279

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

711
STATION

EL TORO, CALIFORNIA
STATION NAME

73-79,81-82
YEARS

JAN
MONTH

ALL WEATHER
CLASS

19
NUMBER (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.6	2.2	.4	.7								6.8	4.6
NNE	1.4	1.4				.4						3.6	5.8
NE	2.2	5.4	.4	.4		.4						6.6	5.4
ENE	4.3	4.3	1.1	.4								10.0	4.4
E	11.1	6.2	.7	.7								19.4	3.7
ESE	2.9	3.4	.7	.7								8.2	5.2
SE	2.2		.4	.4								2.9	4.0
SSE	1.4	.7		.4								2.9	4.5
S	.7	.4										1.1	2.7
SSW	.4	.4										.7	3.0
SW	.4											.4	2.0
WSW	1.4	1.1	.4	.7								3.6	6.3
W	1.1	.7										2.5	3.4
WNW	1.1		.4									1.4	3.8
NW	1.3	.7	.4									2.9	3.4
NNW	1.1	.4										1.4	2.8
VARIABLE													
CALM												23.7	
	34.4	18.3	4.7	4.3		.7						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

279

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4711
STATION

EL TORO, CALIFORNIA
STATION NAME

73-79,81-92
YEAR

JAN
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.4	.4									1.1	4.7
NNE	1.4	1.7	1.1	1.1	.4							5.7	7.2
NE	1.2	5.7		1.4								9.3	5.7
NNE	5.1	5.4	1.1	.4								12.0	4.1
E	12.0	14.0	.4		.4							24.7	4.6
ESE	4.7	5.7	1.4									11.1	4.1
SE	1.4	1.4		.4								3.9	4.5
SSE	1.4	1.4	.4	.4								3.6	5.1
S	1.1	1.1	.7									2.9	4.4
SSW	.7	.4										1.1	3.0
SW		.4	.4									.7	6.5
WSW		.4										.4	4.0
W	1.1	.4										1.4	2.8
WNW	.4			.4								.7	6.0
NW	.4	.7										1.1	4.3
NNW	.7											.7	2.5
VARBL													
CALM												19.0	
	31.9	33.7	5.7	3.9	.7							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 279

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

711
STATION

EL PASO, CALIFORNIA
STATION NAME

73-79, 81-82
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
NUMBER (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	1.0	.0	.0	.3	.1							2.3	5.3
NNE	1.2	.0	.0	.6	.1	.1	.0					3.5	8.3
NE	2.4	3.2	.4	.7	.2	.1	.0					7.0	5.8
NNE	4.4	3.1	.4	.4								8.6	4.1
E	7.8	7.3	1.2	.4	.1							16.5	4.0
ESE	1.2	5.0	1.1	.3	.0							7.6	4.7
SE	2.2	1.4	.6	.2	.0							4.5	4.6
SSE	1.7	1.5	.0	.3	.0							4.5	5.5
S	2.1	1.5	.0	.3								4.7	4.6
SSW	.3	.0	.1									1.7	3.7
SW	.7	.4	.4	.0								1.7	5.1
WSW	1.1	2.0	1.0	.2	.0							4.7	5.7
W	2.1	4.7	1.3	.6	.1							9.1	5.4
WNW	1.4	1.2	.5	.1	.0							3.2	4.4
NW	.3	1.0	.1	.0	.0							2.0	4.3
NNW	.7	.4	.1	.1	.1							1.7	5.1
VARBL													
CALM												16.3	
	34.4	37.0	9.8	4.6	1.0	.4	.1					100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 2231

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 111 ELIOT, CALIFORNIA STATION NAME 73-12,81-82 YEAR FEB
 CLASS ALL WEATHER MONTH 11
 ORIGIN

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	1.0										2.0	5.2
NNE	0	0		0.4		0.1						2.0	7.0
NE	0.0	4.0	0.4	0.4								6.7	4.3
NNE	0.0	0.0		0.4								9.0	3.0
E	1.0	1.0	1.0	0.6								12.0	3.9
ESE	4.0	5.0	1.0									11.0	4.2
SE	0.0	2.0		0.4		0.1						5.5	5.8
SSE	0.0	2.0										2.0	4.1
S	1.0	0.0										2.0	2.7
SSW		0.0	0.0									0.0	5.0
SW	0.0											0.0	3.0
WSW	0.0		0.0									1.0	3.5
W	0.0	0.0										1.0	3.0
WNW	0.0	0.0										0.0	3.0
NW		0.0										0.0	4.0
NNW	0.0											0.0	1.0
VARBL													
CALM												16.0	
	4.1	3.6	4.0	2.4		0.1						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 253

SWOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: EL TORO, CALIFORNIA YEARS: 73-79, 81-82 PERIOD: 0000
 STATION NAME: EL TORO, CALIFORNIA CLASS: ALL WEATHER HOURS IN YEAR: 04
 CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.4	.7									2.3	4.6
NNE	1.0	.4	.4				.4					3.2	6.9
NE	4.7	7.2	.4	.4	.4							9.1	5.2
NNE	7.7	4.3										13.7	3.0
E	17.7	12.3	1.7									26.9	3.6
ESE	1.2	3.8	.8									7.8	3.9
SE	7.7	2.4	.4	.4								6.7	4.1
SSE	7.7	.1	1.7	.4	.4							5.7	5.7
S	.4	.1										1.2	3.3
SSW		.1										.4	4.0
SW		.4										.4	4.0
WSW													
W	.4	.4	.4									1.2	4.7
WNW	.4											.4	1.0
NW													
NNW	.7	.4										1.2	2.7
VARIABLE													
CALM												19.4	
	41.6	37.4	5.5	1.6	1.2		.4					100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 253

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11 1 EL PASO, CALIFORNIA STATION NAME 73-79,81-82 YEAR FEB
 CLASS ALL WEATHER MONTH 07
 CORRECTION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.0										2.4	2.3
NNE	.0	.0	.4	.4	1.2	.4						7.1	7.8
NE	.0	2.4		.8								5.7	4.6
ENE	.0	7.0	.4									16.7	3.5
E	14.0	3.0	.0	.0								24.1	3.5
ESE	.0	4.7	1.2									9.9	4.1
SE	.0	2.4	.4	.4								4.7	5.5
SSE	2.0	.0	.4	.4								4.0	4.7
S	2.0		.0									2.4	2.7
SSW	.0											.4	3.0
SW	.0		.4									.4	5.5
WSW	.0											.4	3.0
W	.0	.4										.0	2.0
WNW	.0											.0	2.0
NW	.0											.0	3.5
NNW	.4	.4										.0	3.5
APBL													
CALM												19.0	
	42.7	25.2	4.7	2.0	1.2	.4						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 253

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TOPO, CALIFORNIA YEAR 73-79, 81-82 MONTHS FEB
 CLASS ALL WEATHER HOUR (L.S.T.) 10
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4		.4		.4							2.0	6.0
NNE	.4	.4		.8	.4							2.4	3.7
NE		.4	1.2	1.2								2.8	9.9
NNE	.4		.4	.8								1.6	9.8
E	.4	1.6	.4	.4								2.8	5.4
ESE	.4	1.2	2.0									4.7	6.7
SE	1.2	2.4	2.0	.4								7.1	6.1
SSE	4.3	2.4	1.6	.4								8.7	4.5
S	4.3	3.6	.8									8.7	3.8
SSW	2.0	1.6	.4		.4							4.3	5.2
SW	4.7	2.4			.4							6.7	3.6
WSW	1.2	.4										4.3	2.5
W	5.5	2.0	.8									6.7	3.3
WNW	4.3	1.6	.4									6.7	3.4
NW	1.2	.4										2.0	3.4
NNW	.4	.4										.4	4.5
VARB													
CALM												26.1	
	34.1	22.1	12.8	4.0	1.6							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 253

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TOPO, CALIFORNIA YEARS 73-79, 81-92 MONTHS 13

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.0		1.2								1.7	11.5
NNE	.0		1.2	.4								2.0	7.8
NE		.4	.4	.7								1.6	9.8
ENE	.0		.0	.4	.4							2.4	4.6
E		.4	.4									.9	6.5
ESE		.4	.7									1.2	6.3
SE	.4	.4	1.2	.8								2.8	9.1
SSE		1.0	1.2	1.2								4.0	8.7
S	1.6	7.9	1.6	1.6								12.6	5.4
SSW	1.2	2.8	1.2	.4	.4							5.5	6.2
SW	.0	1.2	1.6	2.0								5.5	8.2
WSW	2.4	3.6	4.7	.8								11.5	6.5
W	3.6	15.0	7.7	.8								27.3	5.7
WNW	1.2	5.5	2.0									10.7	4.7
NW	.4	1.6	.4									2.4	4.7
NNW		1.2	.4									1.6	5.3
VARA													
CALM												6.7	
	14.6	41.7	25.7	10.3	.8							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 253

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 1 EL TORO, CALIFORNIA STATION NAME: EL TORO, CALIFORNIA YEAR: 73-79, 81-82 MONTH: FEB MONTH: 16 SPEED (K.T.S.): 16

ALL WEATHER CLASS

CONDTION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4			.4								1.6	6.0
NNE		.4	1.6	.8								2.8	8.9
NE		1.2	.4	1.2	.4							3.6	9.9
NNE													
S													
SSE	1.2	.4	.4									2.0	3.6
SE		.4	.4	.4								2.0	8.4
SSE	.4	2.0	3.2									6.3	6.8
S	1.2	3.2	3.6	.4								8.7	6.3
SSW	.4	.4	1.6	.4								3.2	7.3
SW		.4	3.2									4.0	8.5
WSW	1.2	5.6	7.6	2.8								17.2	7.9
W	3.2	17.6	8.7	.8								29.6	5.3
WNW	2.8	7.6	2.8									12.3	5.0
NW	1.2	.4	.4									2.4	4.5
NNW			.4	.4								1.2	8.3
VARS													
CALM												3.6	
	11.1	42.3	31.8	7.9	.4							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 253

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALAMO, CALIFORNIA YEAR 73-79, 81-82 MONTH FFF
 STATION NAME ALL WEATHER CLASS ALL WEATHER MONTH 19
 CLAS ALL WEATHER HOUR (L.S.T.) 19
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	.3	.1									6.7	3.6
NNE	1.5	.4	1.2	.4								4.7	5.0
NE	1.4	1.5		.8			.4					4.7	7.7
ENE	1.2	1.2	.9	1.2								7.4	5.3
E	1.2	4.0	1.0									11.2	4.1
ESE	4.0	1.6	.4									5.4	3.7
SE	1.6	.6	.4	.8								4.6	6.2
SSE	.7	2.0	.1									3.6	4.7
S	1.0	1.2										2.8	3.6
SSW	.4	.1										1.6	3.3
SW	1.0	1.0		.4								3.6	4.3
WSW	1.0	.4										2.4	3.3
W	3.0	1.4										5.1	3.1
WW	1.2	1.6										4.7	3.3
NW	1.2	1.2	.4									4.7	3.3
NNW	1.2	.1										2.0	2.0
VARBL													
CALM												24.1	
	4.7	22.9	6.3	3.6			.4					100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 253

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 1 EL MONO, CALIFORNIA STATION NAME: 73-79, 81-82 YEAR: FEB MONTH: 22 HOURS (L.S.T.):

ALL WEATHER CLASS

CONDITIONS

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7											1.6	2.3
NNE	4.7	.4	.4	.4	.4		.4					5.9	6.5
NE	1.7	2.9	.5	.4	.4	.4						7.5	6.0
NNE	1.7	5.1		.4								12.3	4.2
E	12.3	12.6	.5	.4								26.1	3.7
ESE	1.7	4.3	2.4	.4	.4							13.8	4.9
SE	2.4	2.4	.4	.4								5.5	4.4
SSE	.4	2.0		.4								2.8	5.9
S	.4	.5										1.2	3.0
SSW	1.7	.4		.4								2.0	4.5
SW		.4										.5	4.5
WSW													
W	.4	.4	.4									1.2	4.7
WNW	1.7											1.2	2.0
NW	.4											.4	3.0
NNW	.5											.5	2.5
VARB.													
CALM												17.0	
	41.1	31.2	5.1	3.6	1.2	.4	.5					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 253

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 73-79, 81-82 MONTH FEB
 STATION NAME EL TORO, CALIFORNIA YEAR 73-79, 81-82 MONTH FEB
 CLASS ALL WEATHER MONTH ALL
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.7	.2	.2	.0							2.6	4.6
NNE	1.0	.5	.6	.4	.2	.1	.1					3.8	7.2
NE	2.0	1.0	.5	.7	.2	.0	.0					5.4	6.2
NNE	4.0	3.0	.0	.4	.0							6.0	4.1
E	4.0	6.5	.8	.3								15.6	3.2
ESE	2.0	2.7	1.3	.0	.0							7.1	4.5
SE	1.0	1.0	.0	.5		.0						4.7	5.7
SSE	1.0	1.0	1.0	.4	.0							4.7	5.8
S	1.0	2.0	.9	.2								5.0	4.7
SSW	.7	.0	.4	.1	.1							2.3	5.6
SW	.0	.0	.6	.2	.0							2.8	5.0
WSW	1.0	1.3	1.6	.4								4.6	6.3
W	2.0	4.7	2.3	.2								9.4	5.2
WNW	1.0	2.1	.7									4.7	4.2
NW	.0	.5	.1									1.0	3.8
NNW	.0	.4	.1	.0								1.1	4.1
VARBL													
CALM												16.6	
	33.6	51.6	12.7	4.5	.8	.2	.1					100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

2074

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO CALIFORNIA YEAR 73-74 MONTH MAR
 STATION NAME EL TORO CALIFORNIA CLASS ALL WEATHER MONTH 01
 CLAS ALL WEATHER MONTH 01
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	.6										1.7	2.7
NNE	2.1	.8	.6									3.9	4.2
NE	3.1	1.3	.7		.3							5.4	4.2
ENE	7.7	2.6	.7									10.4	2.9
E	13.2	12.4	1.1									27.4	3.6
ESE	4.8	4.7	.6	.6								10.3	4.1
SE	3.9	2.3	.6		.7							7.1	4.5
SSE	2.4	.6	.6	.3								4.5	4.5
S	1.6	1.6										3.2	3.3
SSW	.1	.3										1.7	3.0
SW		.1										.2	5.1
WSW	.7	.3										.7	4.5
W	.4	.3	.3									1.7	4.5
WNW		.7										.3	4.0
NW	.1											.6	2.5
NNW	.4											.6	2.0
VARB													
CALM												20.0	
	44.3	28.7	4.1	1.0	.6							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALTO, CALIFORNIA YEARS 73-72 MONTH 4AD
 STATION NAME ALTO, CALIFORNIA CLASS ALL WEATHER HOURS (L.S.T.) 04
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.0	.7	.3								2.3	5.7
NNE	2.3	1.6	.7									4.2	3.4
NE	2.4	1.3		.6	.3							4.9	5.2
ENE	4.1	3.1										11.7	3.1
E	14.4	9.1	1.7	.3								29.2	3.5
ESE	6.4	4.2	1.7									12.3	3.4
SE	5.6	1.2	.4									6.1	3.6
SSE	7.2	.3		.6								4.2	4.4
S	1.0	1.3	.7	.3								2.9	4.8
SSW		.7										.3	5.0
SW	.4											.6	1.5
WSW	.4	.3										1.0	3.3
W	.4	.3										1.0	3.3
WNW													
NW													
NNW	.4											.7	3.0
VARBL													
CALM												23.0	
	45.3	25.2	3.0	2.3	.3							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL MONO, CALIFORNIA YEAR 73-82 MONTH MAR
 CLASS ALL WEATHER HOURS (L & T) 37
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	1.7											1.5	1.6
NNE	.1	.3			.3							1.0	6.6
NE	3.1	1.3		.3								5.0	7.4
NNE	13.0	2.9	.6	.3		.7						14.2	3.7
E	14.1	4.7	1.2	.3								75.2	3.5
ESE	1.5	1.9	.6	.6								9.7	3.5
SE	4.4	2.6	.6	.3								8.4	4.0
SSE	3.2	1.0										4.2	3.1
S	1.4	1.0	.6	.3								3.5	4.1
SSW	.4	.6										1.3	3.0
SW	.7	.7	.7									1.0	5.7
WSW		.6	.6									1.3	6.5
W	.7											.7	2.0
WNW													
NW													
NNW													
VARBL													
CALM												23.1	
	47.4	21.3	4.1	2.3	.3	.7						100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 319

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALBANY, CALIFORNIA STATION NAME ALBANY, CALIFORNIA YEARS 73-74 MONTH MAR
 CLASS ALL WEATHER MONTH 13
 ORIGIN

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.0	.7	.6								2.3	7.1
NNE			.7									.7	10.0
NE			.7	.6	.3							1.6	11.4
NNE	.7	.3	.7	.3								1.3	7.9
		1.0										1.0	3.3
ESE	.7			.7								.6	8.5
SE	.7		.6	.6								1.6	8.6
SSE	1.3	2.0	2.0	1.9								8.7	7.7
S	2.3	3.0	3.0	1.3	.3	.6						11.4	7.9
SSW	1.7	3.7	3.7	1.9	.7							9.4	7.4
SW	1.7	2.3	3.0	.6								8.1	6.6
WSW	1.7	5.2	5.2	1.6	.3							13.2	7.4
W	2.3	10.0	11.0	1.6	1.0							25.5	7.0
WWW	1.7	2.7	3.0									7.0	6.1
NW	.7	2.7	1.7		.3							3.0	6.9
NNW		.7	.3									.6	6.5
YARBL													
CALM												2.9	
	17.2	34.5	35.0	11.0	2.6	.6						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: PT LERO, CALIFORNIA YEAR: 73-82 MONTH: NA

CLASS: ALL WEATHER

CONDITION: _____

NOBS (L.F.T.): 16

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-54	≥56	%	MEAN WIND SPEED
N			.0									.0	10.0
NNE				.3								.3	14.0
NE		.7	.3	.3								1.3	7.0
ENE		.7										.7	6.0
E		.7										.7	5.5
ESE		1.0	.7	.6								2.3	14.0
SE		.6	.6	.3								1.5	8.4
SSE	.7	1.0	1.6	1.3								5.2	7.4
S	1.0	2.0	5.5	1.0								11.3	6.9
SSW	1.0	2.0	4.0	.3								7.7	6.3
SW	1.0	2.0	4.0	1.0								10.0	6.3
WSW	1.0	1.5	4.4	2.9								16.7	7.6
W	2.0	3.4	12.0	4.0	.6							29.0	7.6
WNW	1.0	2.0	1.3	.3	.3							5.5	6.2
NW	.0	1.0	.6									2.0	4.9
NNW		.0										.0	5.0
VARB													
CALM												2.0	
	11.7	30.0	41.0	13.5	1.0							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 01110 01110, CALIFORNIA YEAR 1950 MONTH 10
 STATION NAME 01110, CALIFORNIA YEAR 1950 MONTH 10
 CLASS ALL WEATHER MONTHS CLASSED 10
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.3
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	9.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
ENE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	2.9
E	.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	4.1
ESE	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.6
SE	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	6.0
SSE	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	4.7
S	.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	9.0	4.1
SSW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	3.2
SW	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	4.4
WSW	.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	4.0
W	2.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	2.9
WNW	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	2.7
NW	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.0
VARBL													
CALM													
	4.0	2.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 210

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 77-78 MONTH 11
 STATION NAME EL TORO CLASS ALL-LEATHER HOURS IN MONTH 27
 LOCATION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0											1.0	1.0
NNE	1.0	0.7		0.7								2.7	4.0
NE	2.0	2.0			0.7							5.0	4.0
NNE	0.7	2.0	0.7									11.0	3.1
E	17.0	11.0	1.0	0.7								29.0	3.8
ESE	4.0	4.0	0.7	0.7								16.0	3.7
SE	1.0	1.0	0.7									4.0	3.7
SSE	1.0	0.7	0.7	0.7								2.0	6.0
S	0.7	2.0	0.7									5.0	7.0
SSW	0.7	0.7										1.0	3.0
SW	0.7	0.7	0.7									1.0	6.0
WSW	0.7	0.7										1.0	3.0
W	1.0	0.7										1.0	3.4
WNW	1.0	0.7	0.7									2.0	4.0
NW	0.7											0.7	1.0
NNW	1.0											1.0	2.0
VARBL													
CALM												2.0	
	43.0	20.0	4.0	1.0	0.7							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ALL WEATHER, CALLED NIA YEAR 73-74 MAG 440
 STATION NAME ALL WEATHER YEAR ALL MONTH ALL
 CLASS ALL
 CONDITION ALL

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	1.0	4.1
NNE	1.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.0	4.5
NE	1.0	.7	.0	.1	.2	.0	.0	.0	.0	.0	.0	2.0	5.5
ENE	4.0	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	6.0	7.4
E	7.0	5.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	14.0	3.7
ESE	7.0	7.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	6.7	4.0
SE	7.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	5.2
SSE	.0	1.0	1.0	.6	.0	.0	.0	.0	.0	.0	.0	5.0	5.6
S	.0	2.0	1.0	.4	.0	.1	.0	.0	.0	.0	.0	7.0	5.4
SSW	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	3.0	5.5
SW	.0	1.1	1.0	.3	.0	.0	.0	.0	.0	.0	.0	4.0	6.0
WSW	1.0	2.0	2.0	.6	.0	.0	.0	.0	.0	.0	.0	6.0	6.4
W	.0	3.0	3.0	.7	.0	.0	.0	.0	.0	.0	.0	10.0	5.1
WNW	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	4.5
NW	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.0	4.9
NNW	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1
VARBL												.0	
CALM												15.0	
	3.0	17.4	10.0	4.8	.8	.0	.0	.0	.0	.0	.0	10.0	4.1

TOTAL NUMBER OF OBSERVATIONS 2479

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 101 EL TORO, CALIFORNIA YEAR: 1942 APR MONTH: 01
 STATION NAME: EL TORO, CALIFORNIA CLASS: ALL WEATHER HOUR (L.S.T.): 01
 CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.0										1.0	3.0
NNE	1.0	1.0		.0		.0						2.0	6.9
NE	.0	1.0										1.0	2.0
NNE	.0	2.0										2.0	2.7
E	1.0	1.0	.0									2.0	3.0
ESE	.0	4.0	.0									4.0	3.4
SE	.0	3.0										3.0	3.1
SSE	.0	1.0	.0									1.0	3.4
S	1.0	.0										1.0	2.0
SSW	.0	.0	.0									1.0	5.0
SW	.0	.0	.0									1.0	5.0
WSW	.0	.0		.0								1.0	5.3
W													
WNW	.0	.0			.0							1.0	3.7
NW	.0											.0	3.0
NNW	.0											.0	2.0
VARB.													
CALM												19.0	
	4.0	10.0	2.0	.0	.0	.0						17.0	2.4

TOTAL NUMBER OF OBSERVATIONS 370

SMOR

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TIHO, CALIFORNIA YEAR 73-74 APR
 STATION NAME EL TIHO, CALIFORNIA CLASS ALL WEATHER MONTH 04
 CONDITION _____ HOURS (L.S.T.) _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0
NNE	0.0	1.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	3.0	4.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	3.0
E	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL													
CALM												22.0	
	4.0	7.0	1.0	0.7	0.3	0.3	0.0	0.0	0.0	0.0	0.0	10.0	2.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: EL TORO, CALIFORNIA YEAR: 73-82 DATE: APR 87
 STATION NAME: EL TORO, CALIFORNIA CLASS: ALL WEATHER HOUR: 07
 CLAS: ALL WEATHER HOUR (L.S.T.): 07
 CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0			.7								1.7	4.5
NNE	.7	.7		.7								1.7	5.3
NE	.7	.7	.7				.7					1.7	9.8
NNE	.7	2.0										4.7	2.9
E	.7	6.3	.7									16.0	3.4
ESE	.7	6.7	.3									13.7	5.3
SE	.7	2.3	.7									6.7	3.8
SSE	.7	1.3		.7		.7						5.7	4.8
S	.7	1.7	.3									4.7	7.1
SSW	1.7	.7										2.3	2.7
SW	1.0											1.7	2.3
WSW	1.0	.7										2.0	3.2
W	.7	.7	.7									1.7	4.8
WNW	.7											.7	2.0
NW	.7											.7	2.0
NNW	1.0											1.0	1.7
VARBL													
CALM												17.0	
	37.3	31.3	2.7	1.0		.7	.3					100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1951 EL PASO, CALIFORNIA 77-10 APR 10
 STATION STATION NAME YEAR MONTH
 ALL WEATHER CLASS 10
 COORDINATE
 DOUBLE (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7		1.0	.3	.7							3.4	7.6
NNE	.7	.7										.7	3.0
NE	.7				.3							1.0	7.0
ENE	.7											.7	2.0
E	1.7	.3	.7									2.3	3.9
ESE	1.7	.7	.7									3.0	4.6
SE	.7	2.0	.7	.7								5.0	4.6
SSE	.7	2.7	1.7									3.3	4.6
S	5.7	6.0	3.7									14.3	4.6
SSW	5.7	7.3	1.7	.3								7.7	4.6
SW	.7	1.7	.7									4.3	3.3
WSW	.7	2.7	1.0		.7							7.7	4.6
W	4.7	7.3	7.7	.3								12.7	4.6
WNW	4.0	4.3										8.7	3.6
NW	.7	1.0	.7									3.7	4.0
NNW	1.7	1.0										2.7	3.1
VARBL													
CALM												13.0	
	3.7	10.3	13.7	1.7	1.0							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FL 7550, CALIFORNIA YEARS 73-74 MONTH 10
 STATION NAME FL 7550, CALIFORNIA YEARS 73-74 MONTH 10
 ALL WEATHER
 CLAS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.1										.3	5.0
NNE	.4	.3										1.0	3.7
NE		.1	.3	.6	.2							1.0	1.7
NNE		.1		.2								.6	3.0
E	.1		1.1									1.2	4.2
ESE	1.0	1.3	1.3	.3								4.5	5.5
SE	.1	1.2	1.4	1.9								4.4	7.2
SSE	.1	3.4	2.0	.3	.3							10.0	5.9
S	4.2	5.5	2.3	.3								12.3	4.8
SSW	.1	1.3	.2									4.2	3.4
SW	2.0	.3	1.6									4.0	4.3
WSW	1.2	2.4	2.2	.6								6.7	5.1
W	4.5	5.5	1.3	.3		.2						11.2	4.8
WNW	.1	1.0										5.0	2.9
NW	.3	.1		.1								3.2	4.5
NNW	1.0		.1		.3							2.0	5.0
VARBL													
CALM												15.1	
	31.0	27.4	15.0	9.5	1.0	.3						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 110 EL PASO, CALIFORNIA YEAR 73-74 MONTH APR
 STATION NAME EL PASO, CALIFORNIA CLASS ALL WEATHER MONTH 13
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N					.7							1.3	7.5
NNE						.7						.7	16.3
NE					.7							.3	19.0
ENE													
E			.7									.7	6.5
ESE	.7			.7								.7	7.3
SE	1.7	1.3	1.0	.7								6.7	5.6
SSE	.7	.7	2.7	.3								4.7	7.2
S	1.7	3.3	5.7	1.7								11.7	7.5
SSW	1.0	1.3	1.7	2.7								6.7	7.9
SW	1.3	1.7	3.7	2.3								9.7	8.1
WSW	.7	4.7	5.7	3.7	.7							15.7	8.4
W	2.7	1.3	1.3	2.2	.3	.7						34.3	7.5
WNW	1.7	3.3	1.7									6.7	5.5
NW		1.7	.7									1.7	5.3
NNW													
VARBL													
CALM												4.7	
	11.7	21.3	41.7	13.7	1.7	.7						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1901
STATION

EL TORO, CALIFORNIA
STATION NAME

73-82
YEARS

16
MONTH

ALL WEATHER
CLASS

16
HOURS (L & P)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N				.7								.3	10.0
NNE					.7							.3	21.0
NE			.7									.3	10.0
ENE													
E	.7	.7	.7	.3								1.3	7.3
ESE		.7										.7	5.0
SE	.7	.7	.3	.3								1.7	6.0
SSE	.7	1.7	1.7	.7								4.3	7.0
S	7.0	3.0	5.4									11.0	6.1
SSW	.7	2.0	3.3	.7								6.4	7.3
SW	.7	1.7	1.0	2.0								10.4	8.0
WSW	.7	5.7	8.7	2.7								17.7	7.9
W	1.7	12.7	15.1	4.7		.7						33.0	7.7
WNW	.7	4.3	2.7	.3								8.0	6.4
NW	1.0		.7									1.3	3.0
NNW			.7		.3							1.0	11.0
VRBL													
CALM												1.7	
	7.0	53.1	44.0	12.0	.7	.7						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 249

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 ALL TOPG, CALIFORNIA 73-50 YEAR 19
 STATION NAME ALL WEATHER MONTH 19
 CLASS CLAS HOURS (L.S.T.) 19
 CONDITION

SPED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.5		.7								2.0	6.7
NNE					.5							.3	17.0
NE		.5			.5							1.0	9.0
ENE	.7	.7										1.0	3.3
E	1.7	1.0	.5									3.0	4.2
ESE	.7											.7	2.5
SE	1.7	1.5	1.7									4.0	4.7
SSE	1.0	.5	2.7									4.7	5.3
S	4.0	4.7	1.0									9.7	4.1
SSW	1.7	2.7	.7									4.7	4.5
SW	2.3	7.0	.3									5.7	4.1
WSW	7.0	7.7	1.7									16.0	3.9
W	1.0	5.7	1.0	1.0								12.7	3.9
WNW	4.0	1.7										5.7	2.7
NW	.7	1.7										4.0	3.0
NNW	.7	1.0										1.3	3.6
VARBL													
CALM												12.7	
	4.0	36.3	.7	1.7	.7							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL PASO, CALIFORNIA YEAR 1952 MONTH APR
 STATION NAME EL PASO CLAS ALL WEATHER HOURS (L.S.T.) 22
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.7	.7										1.7	2.4
NNE	1.7	.7	.7	.3								2.7	5.3
NE	1.7	1.7	.7									4.1	3.8
ENE	4.7	3.0										6.7	3.1
E	1.7	7.0	.7									9.4	3.0
ESE	7.7	4.7	.7	.3								12.7	3.7
SE	.7	2.7	.7									3.7	5.7
SSE	.7	3.7	.7									5.1	4.7
S	1.7	1.7										3.4	3.4
SSW	1.7	1.7										3.4	3.6
SW	1.7	1.7										3.4	3.0
WSW	.7	.7										1.4	3.3
W	1.7	1.7										3.4	3.0
WNW	1.7	.7										2.4	2.0
NW													3.7
NNW	.7											.7	3.7
VARBL													
CALM												24.1	
	47.7	24.7	1.7	.7								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL PASO, CALIFORNIA YEARS 77-2 MONTH ALL
 STATION NAME CLASS ALL HOURS ALL
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.0	.0	.3	.1							1.7	7.3
NNE	.0	.4	.1	.1	.1	.1						1.0	6.8
NE	1.0	.0	.0		.1		.0					2.0	4.0
ENE	.0	1.6	.0									4.0	7.0
E	.0	.0	.0	.0								13.0	7.3
ESE	.0	2.3	.0	.1								6.4	3.0
SE	.1	.0	.0	.0								4.0	4.2
SSE	1.0	2.1	1.0	.2		.0						5.0	8.0
S	.0	2.3	2.0	.0								7.1	5.1
SSW	.1	1.0	1.0	.4								3.0	5.6
SW	1.1	1.0	1.0	.5								4.0	6.3
WSW	1.0	2.0	2.0	.5	.1							7.0	6.3
W	.0	4.4	4.0	1.0	.0	.1						13.0	6.4
WNW	.0	1.0	.0	.0	.0							3.0	4.6
NW	.0	.0	.0	.0	.0							1.0	3.5
NNW	.0	.0	.0		.0							.0	4.1
VARBL													
CALM												17.0	
	33.6	20.4	14.0	7.0	.6	.3	.0					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 2319

SMOS

121
4
1

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL MONO, CALIFORNIA YEAR 77-78 MONTH MAY
 STATION NAME EL MONO, CALIFORNIA CLASS ALL WEATHER HOURS (L.S.T.) 31
 COORDINATE _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0	0										0	0.0
NNE		0										0	0.0
NE	0	0										0	0.0
ENE	0	0										0	0.0
E	14	5	0									19	3.1
ESE	0	2	0									2	0.0
SE	0	4	1									5	0.1
SSE	1	4	0									5	0.0
S	0	4	0									4	0.0
SSW	1	1										2	0.0
SW	1		0									1	0.0
WSW	1	0	0									2	0.0
W	1	1										2	0.0
WNW	1	0										1	0.0
NW	0											0	0.0
NNW		0										0	0.0
VARBL													
CALM												23	
	44	20	1									100	2.0

TOTAL NUMBER OF OBSERVATIONS 31

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 EL PASO, CALIFORNIA STATION NAME EL PASO, CALIFORNIA YEAR 73-74 MONTH MAY
 CLASS ALL WEATHER MONTHS 04
 CODE 120 NAME (I.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N												1.0	2.7
NNE	1.0											1.0	2.7
NE	1.0											2.0	2.3
ENE	1.0	2.0										3.0	2.9
E	1.5	2.4	1.0									4.9	3.3
ESE	1.0	1.5	1.0									3.5	3.3
SE	1.0	2.0	1.0									4.0	3.3
SSE	1.0	1.0	1.0									3.0	3.5
S	1.0	1.0	1.0									3.0	3.4
SSW	1.0	1.0										2.0	3.3
SW	1.0	1.0										2.0	2.6
WSW												1.0	3.0
W	1.0	1.0										2.0	2.9
WNW	1.0	1.0										2.0	2.9
NW												1.0	2.8
NNW												1.0	2.8
VARBL													
CALM												22.0	
	4.0	7.0	3.0									14.0	2.4

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1111 EL TORO, CALIFORNIA STATION NAME 73-42 YEAR MAY
 CLASS ALL WEATHER MONTH 07
 OBSERVATION HOURS (L.O.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4											.4	1.5
NNE	.7	.3										.6	4.1
NE	1.0	.3										1.3	3.2
NNE	2.3	.3										2.6	2.5
E	5.2	3.9	.4									10.3	3.7
ESE	4.2	4.8	1.9									11.9	4.2
SE	3.7	4.8	1.6									10.0	4.0
SSE	6.4	2.9										9.7	2.9
S	4.4	2.3	.3									7.4	3.0
SSW	1.6	1.0										2.6	3.2
SW	.8		.3									1.3	5.5
WSW	1.0	.6	.3									2.9	3.1
W	3.5											3.5	2.1
WNW	1.0	.3										1.3	2.8
NW	1.6	1.3										2.9	3.6
NNW	1.6											1.6	2.0
VARS													
CALM												29.4	
	42.3	29.0	5.6									100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

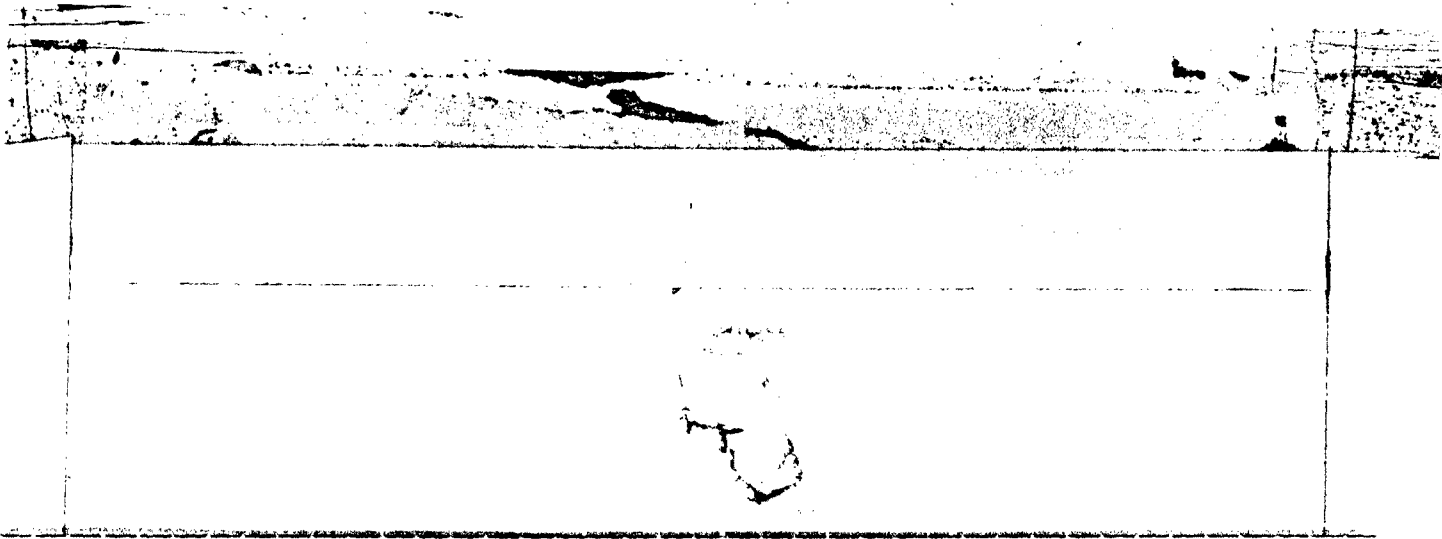
SURFACE WINDS

STATION EL YUPO, CALIFORNIA YEAR 73-72 MONTH MAY
 CLASS ALL WEATHER
 HOURS (L.S.T.) 10
 OBSCURE

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.4	.7									1.9	3.4
NNE	.4											.6	2.0
NE	.7	.3	.3									1.7	5.0
NNE	.4											.6	2.0
E	1.0	.3										1.3	2.0
ESE	1.0	1.4	.3									2.9	4.1
SE	2.9	1.6	.6									5.2	3.7
SSE	2.4	4.2	1.0									8.7	4.9
S	1.2	4.5	3.5	.3								11.6	5.5
SSW	2.3	3.5	1.6									7.4	4.8
SW	3.4	4.2	1.6									9.4	4.3
WSW	1.2	2.9	.6									5.5	3.9
W	5.1	5.2	1.3									14.5	3.6
WNW	1.0	2.7	.6									7.4	3.8
NW	1.7	1.0										2.3	3.1
NNW	1.0	.6										1.6	3.4
YARBL													
CALM												17.1	
	34.5	13.2	12.0	.3								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

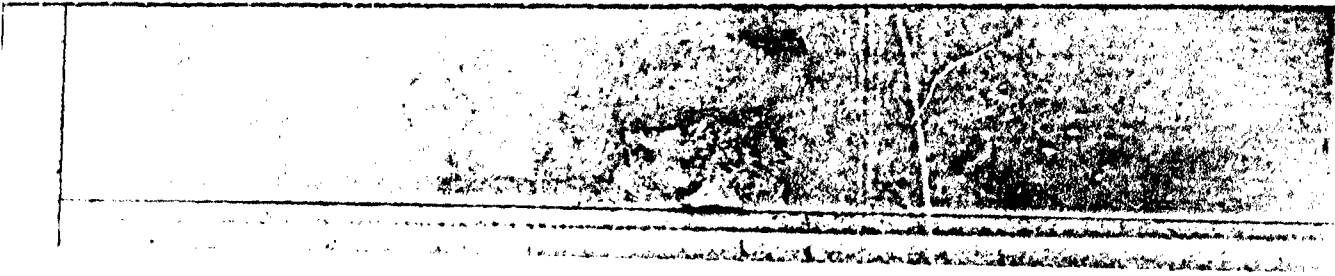
SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 73-72 MONTH MAY
 STATION NAME EL TORO, CALIFORNIA CLASS ALL WEATHER MONTH (L.S.T.) 13
 COMMENTS

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7										.3	5.0
NNE													
NW													
ENE	.7											.3	3.0
E	.3											.3	3.0
ESE													
SE	.3	1.3										1.6	4.2
SSE	.1	2.6	2.9	.6								6.5	7.0
S	1.3	3.9	4.9	.6								10.6	6.8
SSW	1.0	1.3	3.2	2.3								8.7	7.6
SW	1.7	4.5	2.7	.6								9.7	6.3
WSW	.6	5.8	8.7	1.3								16.5	7.3
W	2.3	10.0	15.5	2.6								30.3	7.1
WNW	.6	3.9	6.8	.3								11.6	7.0
NW		.6										.9	4.0
NNW	.7	1.0										1.3	4.3
YARK													
CALM												2.3	
	9.4	35.2	44.0	8.4								100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOG



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA

73-62

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

18

HOURS (L.S.T.)

LOCATION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-15	17-21	23-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
NNE	.7											.3	3.0
E	.7											.3	3.0
ESE													
SE	.3	.4	.3	.3								1.6	7.2
SSE		1.0	2.0	.3								4.5	7.9
S	2.3	4.2	5.5	1.0								12.0	6.6
SSW		2.4	3.1									6.1	7.0
SW	.3	1.0	3.2	.3								5.0	7.1
WSW	.3	5.0	12.2	2.2								21.0	7.9
W	1.0	12.3	20.0	.6								33.9	7.1
WNW	.3	2.0	4.2									9.7	6.2
NW	.7	1.7	1.0									3.0	5.8
NNW		1.0										1.0	4.7
VARL													
CALM												.5	
	6.1	35.2	57.6	5.5								100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 310

BMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-82 DATE MAY 19
 MONTH MAY MONTH 19
 YEAR 19 YEAR 19
 ALL WEATHER
 CLARIFICATION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
NNE													
E	0.6	0.3	0.3									1.3	4.0
ESE	0.6	0.3										1.0	3.7
SE	0.6	1.7	0.3									2.6	4.7
SSE	0.7	5.2	1.7									6.6	5.1
S	3.2	13.2	3.2									20.3	5.1
SSW	1.0	4.2	0.7	0.3								7.4	4.7
SW	1.0	6.5	0.7									8.4	4.4
WSW	2.2	0.1	1.0									12.9	4.6
W	0.7	14.5	2.2									26.5	4.1
WNW	3.2	2.2										6.1	3.4
NW	1.0	1.0										2.6	3.0
NNW													
VARM													
CALM												3.9	
	27.1	59.4	9.4	0.3								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

FL TOPD, CALIFORNIA

73-12

MONTH

22

ALL WEATHER

NOVEMBER (1-31)

SPEED (KTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥56	%	MEAN WIND SPEED
N	1.7	.7										1.6	2.4
NNE	1.0											1.0	2.4
NE	.6	.7										1.0	2.7
NNE	4.1	1.0										7.1	2.5
E	17.0	5.8	.6									19.0	3.2
ESE	4.5	4.6	.7	.3								9.7	3.6
SE	2.3	2.1	.6									5.0	4.1
SSE	2.3	4.5	1.0									7.7	4.6
S	4.2	3.2										7.4	3.2
SEW	1.0	1.0										2.3	3.4
SW	.7	1.0										1.9	4.0
WSW	2.0	1.0	.7									3.9	3.4
W	2.0	2.3										4.8	3.1
WNW	1.0	.6										1.9	2.8
NW	.7											.3	3.0
NNW	.7											.6	2.5
VARBL													
CALM												23.2	
	44.5	24.0	2.7	.3								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 73-82 MONTH MAY
 STATION NAME CLASS MONTH (LST)
 ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥56	%	MEAN WIND SPEED
N	.0	.2	.0									.0	1.0
NNE	.0	.2										.0	2.5
NE	.4	.2	.0									1.0	2.9
NNE	2.5	.7										3.3	2.8
E	.4	3.0	.4									9.8	1.3
ESE	2.7	2.1	.4	.0								5.5	3.7
SE	2.7	2.5	.6	.0								5.1	4.1
SSE	.1	3.5	1.4	.1								7.3	4.7
S	5.3	4.7	2.7	.2								10.5	5.0
SSW	1.4	2.1	1.1	.3								4.9	5.3
SW	1.4	2.4	1.1	.1								5.7	5.0
WSW	1.7	3.1	3.0	.5								6.7	6.1
W	3.4	5.0	4.9	.4								14.9	5.5
WNW	1.7	1.9	1.5	.0								5.1	5.0
NW	.6	.8	.1									1.5	3.9
NNW	.0	.4										.9	3.3
VARBL													
CALM												15.4	
	32.4	33.6	16.8	1.9								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 2480

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 73-74 MONTH JUN
STATION NAME YEAR MONTH
 CLASS ALL WEATHER HOUR (L.S.T.) 01
CLASS HOUR (L.S.T.)
 OBSERVATION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7											1.3	2.0
NNE	1.0											1.3	5.8
NE	1.7											1.3	2.6
NNE	1.7											3.3	2.5
E	1.7	7.7	1.7									22.0	3.2
ESE	1.7	1.7	1.7									8.0	3.5
SE	4.0	7.7	1.7									7.0	3.4
SSE	1.7	1.7	1.7									1.7	4.2
S	1.7	4.0	1.7									7.0	3.8
SSW	1.7	1.7										2.0	4.2
SW	1.7	1.7										1.0	4.0
WSW	1.7	1.7										1.0	3.3
W	4.0	1.7										4.7	2.6
WW	1.7	1.7										2.0	2.2
NW	1.7											1.0	2.0
NNW	1.7	1.7										3.0	3.3
VARBL													
CALM												32.3	
	42.3	22.3	2.3	1.7								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FL 1022, CALIFORNIA STATION NAME FL 1022, CALIFORNIA YEAR 73-82 MONTH JUN
 CLASS ALL WEATHER MONTH 06
 CONDITION _____

SPEED (KNOTS) GUL	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7											.7	1.0
NNE	.7											.7	2.0
NW	.7			.3								2.3	4.0
NNE	.7	1.0										8.0	2.4
E	17.0	0.0										21.0	3.2
ESE	6.7	2.7	.3									9.3	3.3
SE	1.7	3.7	.3									5.7	4.2
SSE	4.7	.3	.3									4.7	2.7
S	.7	2.7										5.3	1.1
SSW	1.7	.7										2.3	1.3
SW	.7											.7	2.0
WSW	.7	.3										.7	2.5
W	1.0	.7										1.7	3.0
WNW	1.7	.3										1.7	2.2
NW	1.7	.3										1.7	2.0
NNW	.7											2.0	2.0
VARBL													
CALM												35.0	
	47.0	21.0	1.0	.3								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOG

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: IL FORD, CALIFORNIA STATION NAME: IL FORD YEAR: 1952 MONTH: JUN
 ALL WEATHER CLASS: _____ DATE: 07
 LOCATION: _____ HOURS (L.G.T.): _____

SPEED (KNTS) D.R.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.0
ENE	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
E	4.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	7.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
SSE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	3.0
S	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	3.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0
SW	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
W	4.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	2.0
WNW	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
NNW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
VARBL													
CALM													
	3.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 300

BAC'S

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: EL TIJO, CALIFORNIA YEAR: 73-82 MONTH: JUN
 CLASS: ALL WEATHER HOURS (LST): 17
 CONDITION: _____

SPEED (KNTS) PHR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	0.0										2.0	3.0
NNE	0.0											0.0	3.0
NE			0.0									0.0	9.0
NNE													
E	0.0	0.0										1.0	2.0
ESE	1.0											1.0	2.7
SE	0.0	1.0	0.0									2.0	5.2
SSE	0.0	2.0		0.0								6.0	3.7
S	0.0	4.0	0.0	0.0								4.0	4.1
SSW	0.0	2.0	0.0	0.0								4.0	4.1
SW	0.0	2.0	0.0									6.0	7.0
WSW	0.0	0.0	1.0									11.0	4.1
W	0.0	1.0	0.0									12.0	4.4
WNW	4.0	5.0	1.0									11.0	4.3
NW	1.0	5.0	0.0									7.0	4.5
NNW	1.0	1.0		0.0								3.0	4.0
VARBL												14.0	
CALM													
	34.0	40.3	2.0	1.0								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1101
STATION

EL TORO, CALIFORNIA
STATION NAME

73-62
YEARS

JUN
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

ORIGIN

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥36	%	MEAN WIND SPEED
N													
NNE				.7								.3	13.0
NE													
ENE													
E													
ESE			.7									.3	17.0
SE		.7	.7									1.3	7.5
SSE	.7	.7	.7									1.3	4.8
S	.7	2.0	3.3									5.7	6.7
SSW	.7	3.0	1.0									4.7	5.7
SW		1.0	.7									1.7	6.4
WSW	1.0	2.3	3.3	1.0								10.7	7.2
W	2.3	11.0	2.7	2.3	.3							42.7	7.5
WNW	1.0	5.0	12.3	1.0								19.7	7.1
NW		4.7	7.3	.7								8.7	6.8
NNW		.7	.7									1.3	7.0
VARBL													
CALM												2.0	
	6.7	21.0	55.7	5.3	.3							120.0	7.0

TOTAL NUMBER OF OBSERVATIONS

300

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0101 EL YORO, CALIFORNIA STATION NAME 73-82 YEAR JUN MONTH 15
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			.3									.3	8.0
NNE													
NE	.7											.7	3.0
NNE			.7									.3	8.0
E													
ESE	.7	.3										.7	3.5
SE		.7	.3									.7	7.3
SSE	.7	.7	.7									1.7	5.8
S		7.3	4.7	.3								8.3	7.3
SSW	.7	.7	1.3									2.0	6.7
SW	1.0	.7	1.7									3.3	6.0
WSW	1.0	3.3	8.3	.3								13.0	7.1
W	1.3	16.0	26.3	1.0								44.7	7.1
WNW		7.7	11.3									19.0	7.0
NW	.7	1.0	1.7	.3								3.7	6.9
NNW		.3	.7									1.0	6.0
VARS													
CALM												1.0	
	5.3	34.0	57.7	2.0								100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: EL TORO, CALIFORNIA STATION NAME: EL TORO, CALIFORNIA YEARS: 73-72 MONTH: JUN
 CLASS: ALL WEATHER HOURS (L.S.T.): 19
 ORIENTATION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7											.3	2.0
NNE				.5								.5	13.0
NE													
ENE	.7											.3	3.0
E	.7											.7	3.0
ESE													
SE		.7	.7									1.3	6.0
SSE	1.3	2.7	1.0									4.3	5.2
S	1.3	1.7	3.3	.3								11.7	5.7
SSW		2.7	1.7									3.7	5.9
SW		1.7										1.3	5.3
WSW	1.7	3.7	3.7									6.3	5.8
W	7.7	11.7	5.3									43.0	5.8
WNW	1.7	12.7	.7									18.3	4.2
NW	1.0	2.7	.3	.3								4.3	4.8
NNW													
VARBL													
CALM												2.3	
	10.0	63.7	15.7	1.0								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-42 YEAR JUN
 CLASS ALL WEATHER MONTH 22
 QUALITY _____ HOURS (L.S.T.) _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE	.3			.3								.7	7.0
NE	.7	.3										1.0	3.3
NNE	2.0	.7										2.7	2.9
E	11.7	2.7	.3									14.7	2.6
ESE	3.0	1.3	.3									4.7	3.2
SE	3.3	4.3	.3									7.0	4.1
SSE	2.7	2.7	1.3									6.7	4.4
S	2.3	4.3										6.7	3.5
SSW	2.7	1.3										4.0	3.2
SW	.7	.7										1.4	3.0
WSW	4.3	.3										3.7	2.8
W	4.3	1.3										7.3	2.6
WNW	5.3	.7										6.0	2.6
NW	3.0	.3										2.3	2.3
NNW	1.0	.7										1.7	3.2
VARS													
CALM												29.7	
	47.3	21.3	2.3	.3								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4101
STATION

FL TORO, CALIFORNIA
STATION NAME

73-82
YEAR

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.1	.0									.8	2.6
NNE	.5	.0		.2								.7	4.7
NE	.4	.1	.1	.1								.8	4.3
NNE	1.7	.3	.1									1.9	2.7
E	1.4	2.7	.1									6.2	3.0
ESE	2.3	1.1	.3	.0								3.7	3.6
SE	1.6	2.1	.5									4.1	4.2
SSE	.1	1.5	.7	.0								4.2	4.0
S	2.4	3.7	1.5	.2								7.9	4.8
SSW	1.1	1.5	.5	.0								3.2	4.6
SW	.7	.9	.4									2.0	4.4
WSW	1.7	1.9	2.5	.2								6.2	5.7
W	4.2	4.8	7.6	.4	.0							21.1	5.8
WNW	2.7	4.2	3.2	.1								10.2	5.3
NW	1.1	1.1	.7	.2								3.9	5.0
NNW	.0	.7	.2	.0								1.7	4.0
VARB.													
CALM												19.3	
	29.4	31.5	17.2	1.5	.0							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

2400

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 0101 STATION NAME: EL TORO, CALIFORNIA YEAR: 73-82 MONTH: JUL
 CLASS: ALL WEATHER MONTHS: 01
 GEOMETRY: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	.3										1.9	2.5
NNE												.3	1.0
NE	.3											1.6	2.6
NNE	1.3	.3										21.9	3.1
E	10.5	7.1	.3									9.0	3.6
ESE	4.4	3.0	.3									5.2	3.3
SE	5.2	1.3	.6									4.2	3.2
SSE	7.6	1.6										5.5	3.5
S	3.2	1.9	.3									1.0	3.0
SSW	.3	.6										1.0	4.0
SW		1.0										.6	3.0
WSW	.6											2.6	2.4
W	2.6											4.5	2.6
WNW	3.6	1.0										.4	1.5
W	.6											2.7	2.3
WNW	2.6	.3											
VARB												37.1	
CALM													
	41.9	19.4	1.6									100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 73-74 MONTH JUL
STATION NAME YEAR MONTH
 CLASS ALL WEATHER CLASS
 HOURS (L.S.T.) 04 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.3											2.3	2.4
NNE	0.3	0.0										1.0	3.7
NW	0.3	0.3										0.6	3.5
ESE	4.2	0.3										4.5	2.2
E	10.5	7.4	0.3									23.2	3.2
ESE	0.7	3.2	0.3									6.0	3.6
SE	1.9	1.0										3.5	3.5
SSE	1.7	1.6	0.3									3.2	3.7
S	1.0	2.6	0.3									4.9	3.5
SSW	1.0											1.0	2.3
SW	1.0	0.3										1.3	2.3
WSW	0.3											0.6	2.5
W	3.3	0.3										3.9	2.2
WNW	2.0	0.3										3.2	2.3
NW	2.3	0.3										2.6	2.6
NNW	1.0	0.3										2.3	2.6
VARBL													
CALM												35.2	
	44.2	12.4	1.3									100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TONO, CALIFORNIA STATION NAME 73-A2 YEAR JUL
 CLASS ALL WEATHER MONTH 07
 COUNTRY _____

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	.6										1.0	3.3
NNE	1.0											1.0	2.3
NE	.5	.3										.6	3.5
NNE	1.6	.6										2.3	3.0
E	3.9	3.2	.3									7.4	3.6
ESE	5.2	3.2	.3									6.8	3.5
SE	1.7	3.2	.3									5.5	4.3
SE	4.5	2.3	.3									7.1	3.3
S	7.1	2.3										9.4	2.9
SSW	2.2	.5										3.2	2.1
SW	2.5											2.2	1.8
WSW	.3											.3	2.0
W	2.9	.3										3.2	2.3
WNW	4.2	1.3										5.5	2.8
NW	1.7	1.7	.3									3.9	3.3
NNW	1.7	1.7										2.3	3.3
VARB													
CALM												38.1	
	41.0	20.3	1.6									100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 310

SMO8

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-42 YEAR JUL
 MONTH 10
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.7	0.7	0.7									1.0	4.7
NNE												0.3	4.0
NE		0.7										0.6	4.0
ENE												0.6	2.0
E	0.7		0.7									2.0	2.4
ESE	0.7											3.9	5.0
SE	2.0	0.7										8.4	4.6
SSE	1.0	1.0	1.0									5.5	3.9
S	1.0	3.5	1.0									6.8	4.1
SSW	2.0	2.0										10.6	3.4
SW	2.0	3.0	0.7									26.8	4.1
WSW	4.1	4.0	0.7									14.5	4.4
W	1.0	14.2	2.0									4.8	3.5
WNW	4.1	8.4	1.0									1.9	3.5
NW	1.0	1.0										11.6	
NNW	1.0	1.0										100.0	3.6
VARBL													
CALM													
	3.1	42.3	8.1									100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 310

BMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

47101
STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

JUL

MONTH

ALL WEATHER

CLASS

13

NOBS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
M		.3	.3									.6	6.0
MNE													
NE			.7									.3	7.0
ENE													
E		.7										.3	6.0
ESE													
SE				.3								.3	16.0
SSE		1.0	2.6	.3								3.2	8.3
S	.4	1.3	2.6	.6								5.2	7.4
SSW			1.0	.3								1.3	8.5
SW		.7	.5									1.3	7.0
WSW	.7	2.6	5.4	1.0								9.7	7.5
W		10.1	35.2	2.6								48.4	7.8
WW	1.0	6.1	16.1	1.0								24.8	7.2
NW		1.0	1.4									2.2	7.4
NNW		.5	.3									1.0	6.0
VARL													
CALM												.0	
	2.5	24.5	66.8	6.1								100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

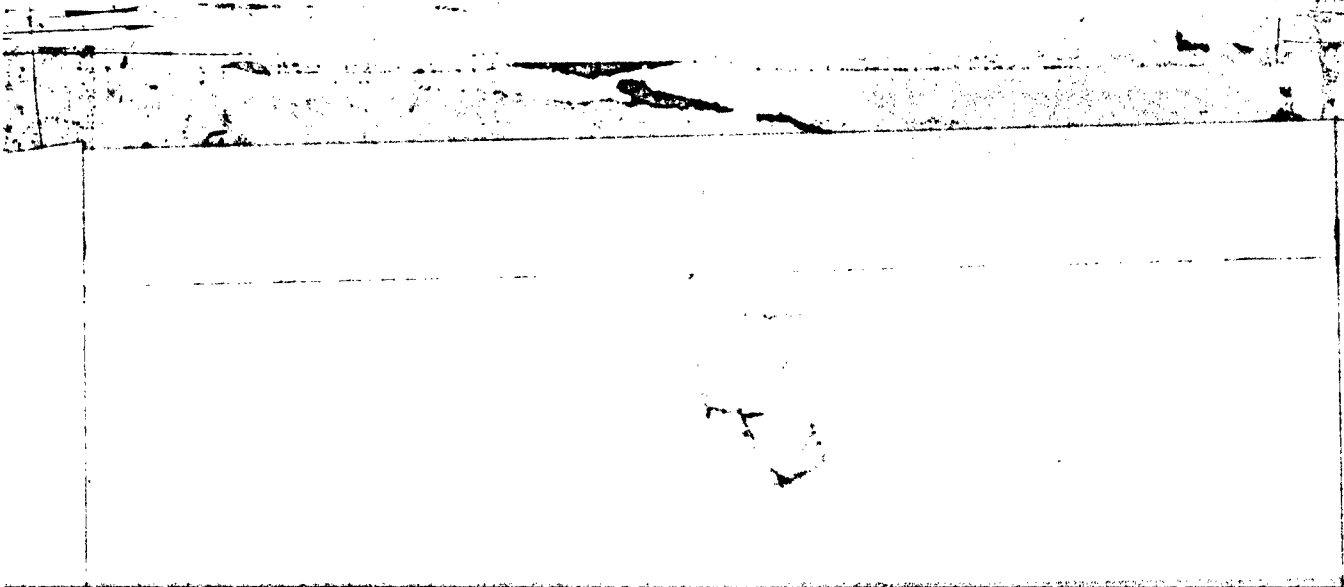
SURFACE WINDS

STATION 111 EL TOPO, CALIFORNIA 73-82 JUL
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
16
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			2									0.3	8.0
NNE													
NE													
NNE													
E													
ESE													
SE													
SSE	1	10	10	3								3.9	7.6
S		10	20	3								4.2	7.9
SSW		10	10	3								2.6	7.3
SW		10	10	3								1.7	5.7
WSW	1	10	10	3								10.3	7.1
W	1	10	20	10								46.3	7.1
WNW		10	10	10								24.5	7.4
NW	1	10	20									4.2	6.5
NNW	1	3	3									1.0	5.3
VARBL													
CALM												0.0	
	7.3	35.2	57.7	4.0								100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 310

8808



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

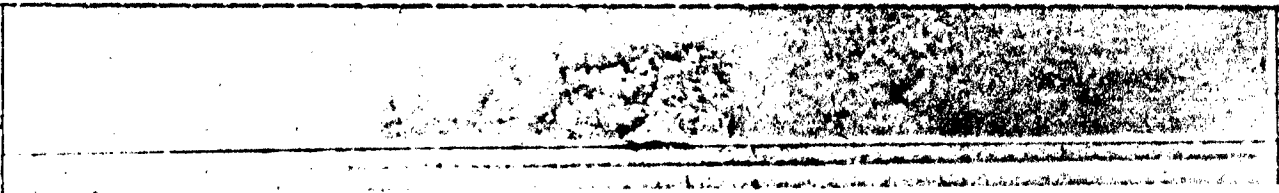
SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-02 YEAR JUL
 CLASS ALL WEATHER MONTH 19
 DIRECTION _____ HOURS (L.S.T.) _____

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-32	34-40	41-47	48-56	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE		.7	1.6	.7								2.3	7.7
SSE	.7	1.6	3.2									5.7	6.4
S	1.6	3.2	1.9	.3								10.0	5.2
SSE	1.6	1.9	1.0									3.9	5.4
SW		.6										.6	5.0
WSW	.3	5.3	.3									6.5	5.1
W	6.4	35.2	4.5									46.5	4.8
WNW	5.5	12.9	.3									18.7	4.3
NW	1.7	1.7										2.9	4.2
NNW	.6	.3	.7									1.3	4.5
VARB													
CALM												2.3	
	17.1	60.8	13.2	.6								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 310

8808



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TONO, CALIFORNIA YEAR 73-74 MONTH JUL
 STATION NAME EL TONO, CALIFORNIA CLASS ALL WEATHER MONTH (L.S.T.) 22
 POSITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0											1.0	2.4
NNE													2.0
NW													2.0
ESE													4.5
E	7.1	2.0										10.0	3.1
ESE	2.0	1.4										4.2	2.8
SE	7.0	2.0										7.4	3.7
SSE	1.0	4.0										6.5	4.3
S	1.0	5.0										9.0	3.1
SEW	2.0	0.0										3.2	2.2
SW	1.0	0.0										1.0	2.8
WSW	1.0											1.0	2.0
W	11.0	1.0										12.0	2.3
WNW	6.0	1.0										6.1	2.4
NW	2.0	1.0										4.2	3.0
NNW	1.0	0.0										1.0	3.0
VARB													
CALM												27.4	
	45.7	21.0	1.0									100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: EL TORO, CALIFORNIA STATION NAME: EL TORO, CALIFORNIA YEARS: 73-74 MONTH: JUL
 CLASS: ALL WEATHER MONTH: ALL
 OBSERVATION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.2	.1									1.1	3.3
NNE	.7	.1										.3	2.9
NE	.7	.1	.1									.3	3.5
NNE	.7	.2										1.1	2.6
E	.0	2.0	.2									7.9	3.2
ESE	1.7	1.6	.1									3.4	3.4
SE	1.7	1.2	.4	.1								3.3	4.1
ESE	1.7	1.7	1.2	.1								4.7	5.0
S	2.0	2.0	1.1	.2								7.1	4.5
SSW	1.7	1.0	.6	.1								2.7	4.2
SW	.7	1.7	.2									7.1	3.9
WSW	1.7	2.1	1.5	.2								5.0	5.5
W	4.7	3.4	3.7	.4								23.7	5.8
WW	2.7	2.0	4.0	.4								13.0	5.4
NW	1.7	1.2	.7									3.3	4.3
NNW	1.1	.7	.1									1.8	3.4
VARS													
CALM												19.0	
	20.5	31.2	18.0	1.4								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 2400

8800

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

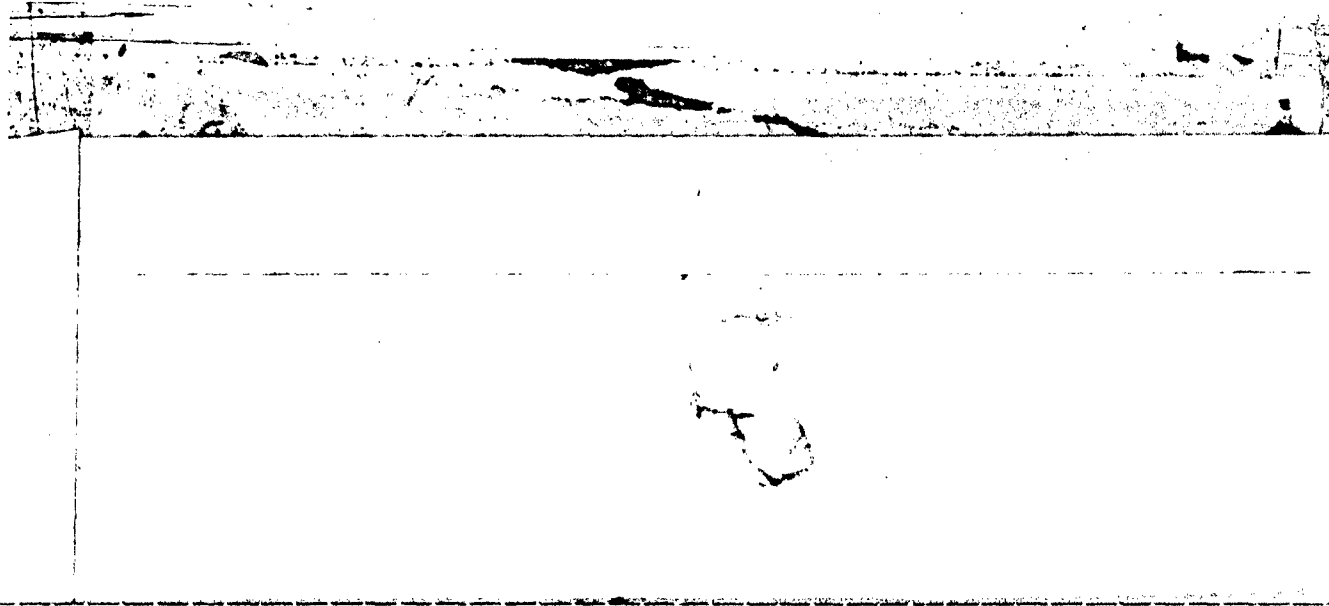
PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 73-72 MONTH AUG
STATION NAME YEAR MONTH
 ALL WEATHER 01
CLASS MOUSE (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.5											2.3	1.9
NNE	1.0											1.0	2.0
NE	1.0											1.0	1.3
NNE	1.0	0.4										3.9	2.3
E	11.0	6.5										18.4	2.9
ESE	4.2	1.0	0.6									6.6	3.6
SE	2.0	2.3	0.6									5.5	3.6
SSE	1.0	1.6	1.0									3.9	4.7
S	2.0	1.6	0.3									4.8	3.3
SSW	0.0	0.0										1.3	3.5
SW	1.0											1.0	1.7
WSW	0.0											0.3	2.0
W	2.0	0.5	0.3									3.9	2.8
WNW	1.0	1.3										2.9	2.9
NW	1.0	0.3										2.4	2.8
NNW	0.5											2.3	2.3
VARBL													
CALM												18.4	
	41.3	17.4	2.0									100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 310



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: EL TORO, CALIFORNIA YEAR: 73-82 MONTH: AUG
 STATION NAME: EL TORO, CALIFORNIA YEAR: 73-82 MONTH: AUG
 CLASS: ALL WEATHER HOURS (L.S.T.): 00
 COMMENTS: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	.3										1.6	2.0
NNE	.3											.3	2.0
NE	2.6	1.6	.3									4.5	3.1
NNE	4.2	2.9										7.1	3.3
E	12.6	7.1	.6									20.3	3.3
ESE	7.9	1.0	.7									5.0	3.0
SE	1.7	2.7										3.5	4.5
SSE	1.9	2.3	.3									4.5	3.4
S	1.0	.3										1.3	2.3
SSW	.4											.3	2.0
SW	.2	.6										1.0	4.0
WSW	1.6											1.6	1.6
W	1.7	.6										1.9	2.8
WNW	2.3	.3										2.6	2.1
NW	1.6											1.6	2.0
NNW	1.6											1.6	2.6
VARBL												41.0	
CALM													
	37.7	19.7	1.6									100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 310

SMO



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4111 EL TORO, CALIFORNIA STATION NAME 73-92 YEAR AUG
 MONTH 07
 HOUR (L.S.T.) 07
 ALL WEATHER
 CLAS
 CORRECTION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.3										2.3	3.0
NNE													
NE	1.0	.7										1.6	3.0
ENE	2.4	.3										2.9	2.4
E	.1	3.2	.7									11.0	3.1
ESE	.3	1.6										3.9	3.0
SE	4.2	1.3	.7									5.6	2.9
SSE	.2	.6	.3									4.8	2.7
S	1.1	1.6	.3									6.1	2.4
SSW	1.3	.6										1.7	2.3
SW	.4											.6	2.0
WSW	1.1	.3										1.6	3.2
W	.3	2.3										4.5	3.4
WNW	3.1	.3										3.4	2.4
NW	1.5	.7										2.6	2.6
NNW	1.2	1.1										3.5	3.0
VARBL													
CALM												40.3	
	41.0	16.5	1.3									100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 310

BWOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-92 YEAR AUG
 CLASS ALL WEATHER MONTH 10
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0											1.0	1.7
NNE		.3										.3	6.0
NE	.3											.3	3.0
NNE	.6											.6	2.0
ENE	1.0	.4										1.0	3.4
E	1.6	1.0										2.6	3.0
ESE	2.6	1.3	1.0	.3								5.2	4.9
S	5.5	3.2	1.0	.3								10.0	4.2
SEW	1.7	4.5	.3									6.8	4.1
SW	3.2	1.6	.3									5.2	3.4
WSW	2.3	3.2	1.3									6.8	4.5
W	4.1	11.9	1.0									21.0	4.1
WW	7.1	7.7	1.3									16.1	4.0
NW	2.2	2.6										5.8	3.4
NNW	1.9	.6	.3									2.9	3.1
VARBL													
CALM												13.9	
	40.3	38.7	6.5	.6								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

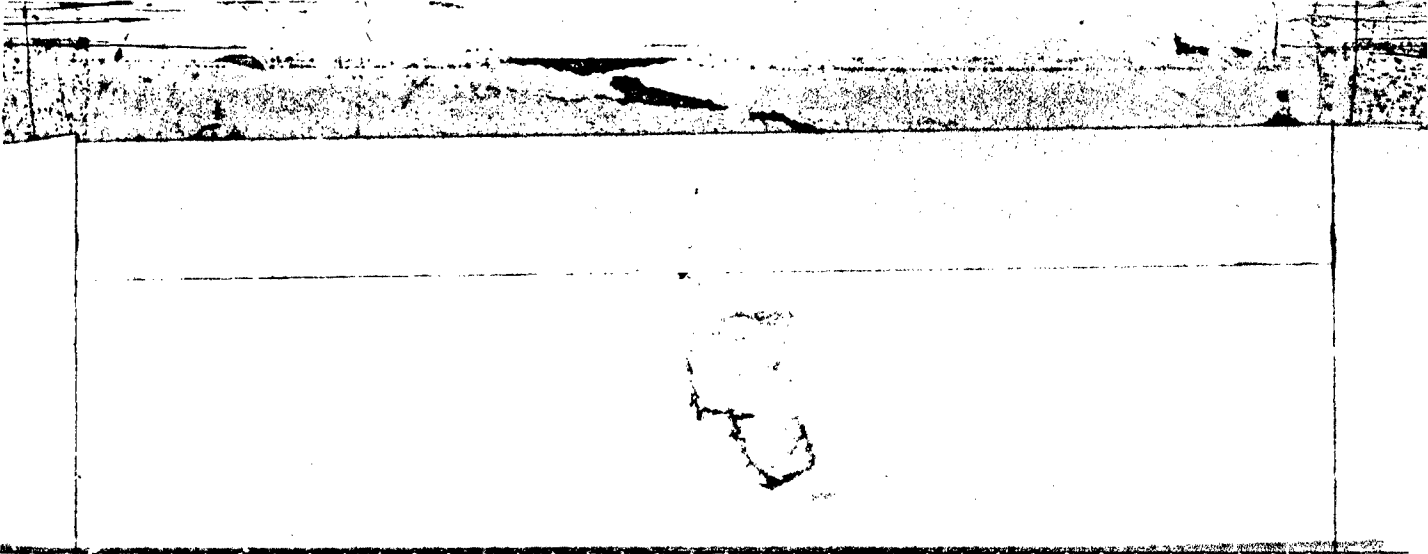
SURFACE WINDS

STATION EL TORO, CALIFORNIA STATE 73-82 YEAR 80
 CLASS ALL WEATHER MONTH 13
 OBSERVATIONS 310

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
N E												.3	7.0
E													
ESE	.7											.3	3.0
SE				.3								1.3	8.3
SSE		1.0	1.0									1.9	6.7
S	.4	2.3	1.0	1.0								4.5	7.1
SSW	.4	1.6	.4									2.8	5.3
SW	.4		1.3	.3								1.9	8.0
WSW	.3	3.4	6.9	2.9								13.9	8.2
W	1.0	11.0	11.3	3.0								48.1	7.8
WNW	.7	3.2	15.2	1.3								20.0	7.7
NW		1.1	1.7	.3								3.2	7.6
NNW			.1									.3	8.0
VARB													
CALM												1.3	
	4.2	24.5	60.0	10.0								100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 310

8808



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TOPO, CALIFORNIA YEAR 73-82 MONTH AUG
STATION NAME YEAR MONTH
 CLASS ALL WEATHER NUMBER (L. S. T.) 16
 CONDITION

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NW													
NNE													
E													
ESE													
SE		.6										.6	5.0
SSE	.7	1.7	1.9	.3								3.5	7.2
S	.6	2.6	2.6	.3								6.1	6.2
SSW	.7	.6	1.0									1.9	6.0
SW		1.7	1.3									2.3	6.9
WSW	.3	1.9	5.8	.6								8.7	7.7
W	.3	14.8	37.7	4.5								57.8	7.7
WNW	.3	7.4	6.5									14.2	6.4
NW	.3	1.6	1.6									3.5	6.6
NNW		.6	.3									1.0	6.0
YARRL													
CALM												.6	
	2.6	32.3	58.7	5.8								100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME EL TORO, CALIFORNIA YEARS 73-72 MONTH AUG
ALL WEATHER CLASS 19
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE												0.7	4.0
NE													
NNE													
E													
ESE	0.7	0.3										0.5	4.0
SE	0.7	0.6	1.0									2.3	5.4
SSE	0.7	1.0	1.6									3.3	6.0
S	1.0	5.5	2.3									9.4	5.3
SSW	0.4	1.3										1.9	4.3
SW		1.7	0.3									1.6	5.2
WSW	1.0	6.1	1.3									9.4	5.0
W	17.3	33.0	5.2									51.3	4.6
WNW	2.0	7.1	1.0									11.6	4.4
NW	1.0	1.0		0.3								4.2	4.2
NNW		1.0	0.7									1.3	6.0
VARB.													
CALM												2.4	
	22.4	61.0	13.0	0.3								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 04101 EL TOPO, CALIFORNIA STATION NAME EL TOPO, CALIFORNIA YEAR 73-82 MONTH AUG
 CLASS ALL WEATHER MONTH 22
 CONDITION _____
 MONTH (L.S.T.) _____

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.9	.3										3.2	2.3
NNE	.3											.3	1.0
NE	2.9	.6										3.5	2.9
NNE	1.0											1.0	2.0
E	7.1	3.2										10.3	3.1
ESE	3.2	3.5	.3									7.1	4.0
SE	1.3	2.3										3.6	3.8
ESE	1.6	1.9										3.5	3.7
S	2.3	2.7	1.0									6.1	4.4
SEW	1.3	.6										1.9	3.2
SW	.3	.3										1.0	3.3
WSW	3.5	.6										4.1	2.6
W	7.7	2.9	.3									11.0	3.0
WSW	3.5	.6	.6									4.7	3.5
NW	2.6	.6										3.2	2.6
NNW	1.3	1.0										2.3	2.7
VARIABLE													
CALM												32.7	
	43.2	21.6	2.3									100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 310

BWOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 17-42 MONTH AUG
 STATION NAME EL TORO, CALIFORNIA YEAR 17-42 MONTH AUG
 CLASS ALL WEATHER MONTH ALL
 OBSERVATION ALL MONTH ALL
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.2										1.3	2.3
NNE	.2	.1										.3	2.7
NE	1.0	.4	.1									1.4	2.9
NNE	1.0	.7	.1									1.4	2.9
E	2.0	2.0	.1									7.7	3.1
ESE	1.0	1.1	.2									3.2	3.5
SE	1.0	1.4	.7	.1								3.1	4.0
SSE	1.0	1.4	.7	.1								3.1	4.7
S	2.0	2.0	1.1	.2								6.3	4.5
SSW	.7	1.2	.7									2.4	4.2
SW	.1	.4	.4	.1								1.0	4.6
WSW	1.0	2.0	1.7	.4								5.8	6.0
W	4.6	2.4	4.5	1.0								24.9	6.0
WNW	2.7	3.5	3.1	.2								9.5	5.3
NW	1.7	1.1	.4	.1								3.3	4.1
NNW	1.1	.1	.2									1.9	3.4
VARB													
CALM												21.4	
	20.2	22.0	10.3	2.1								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 2480

SMO

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-92 YEARS

MONTH SEP MONTH

CLASS ALL WEATHER CLASS

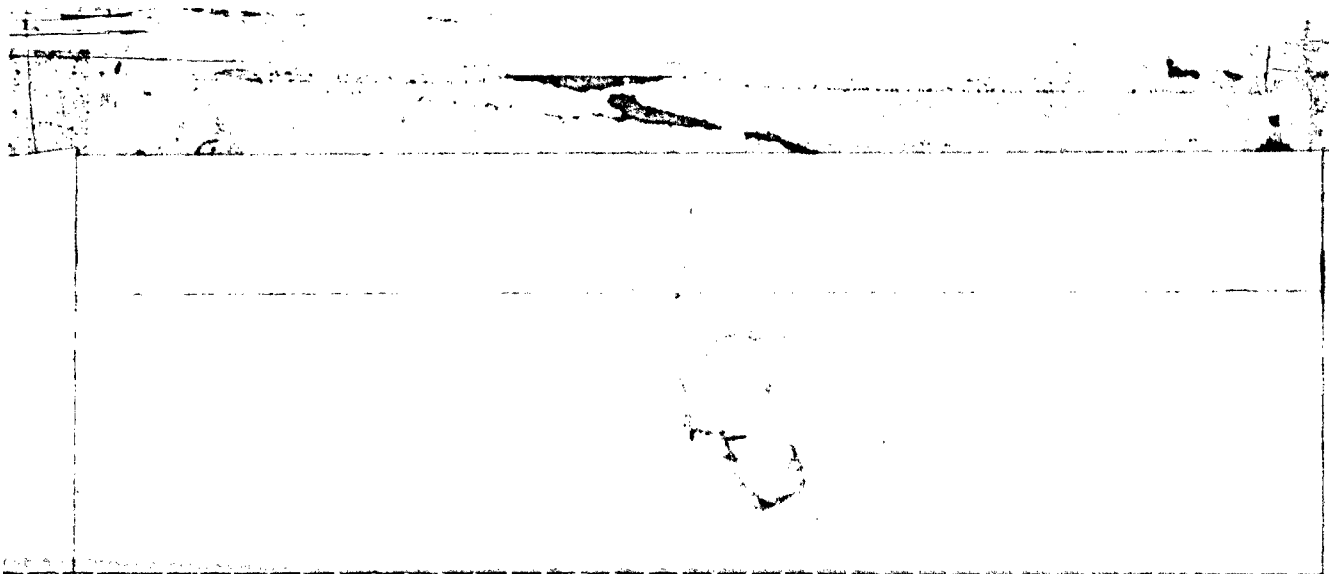
CONDITION

HOURS (L.S.T.) 01

SPEED (KNTS; DIAL)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	.3										3.3	2.2
NNE	1.7	.7	.3									2.3	3.4
NNE	3.3											3.3	2.2
NNE	6.1	2.0										8.0	2.8
E	13.0	8.0	.7									21.7	3.2
ESE	3.3	1.3	.7									5.7	3.3
SE	5.7	1.7										4.7	3.1
SE	1.0	.7	1.0									2.7	4.9
S	1.0	2.0										5.0	3.3
SSW	.7											.3	1.0
SW	.7											.3	1.0
WSW	.7											.3	1.0
W	2.7	1.0										3.7	2.7
WNW	1.7	.7										2.7	2.6
NW	2.7											2.7	1.5
NNW	1.7	.7										2.3	2.7
VARS													
CALM												32.0	
	46.3	19.0	5.7									100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 300

SMCS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

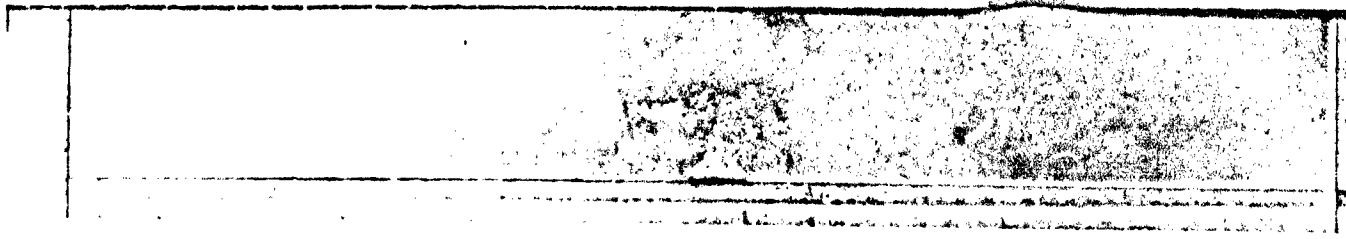
SURFACE WINDS

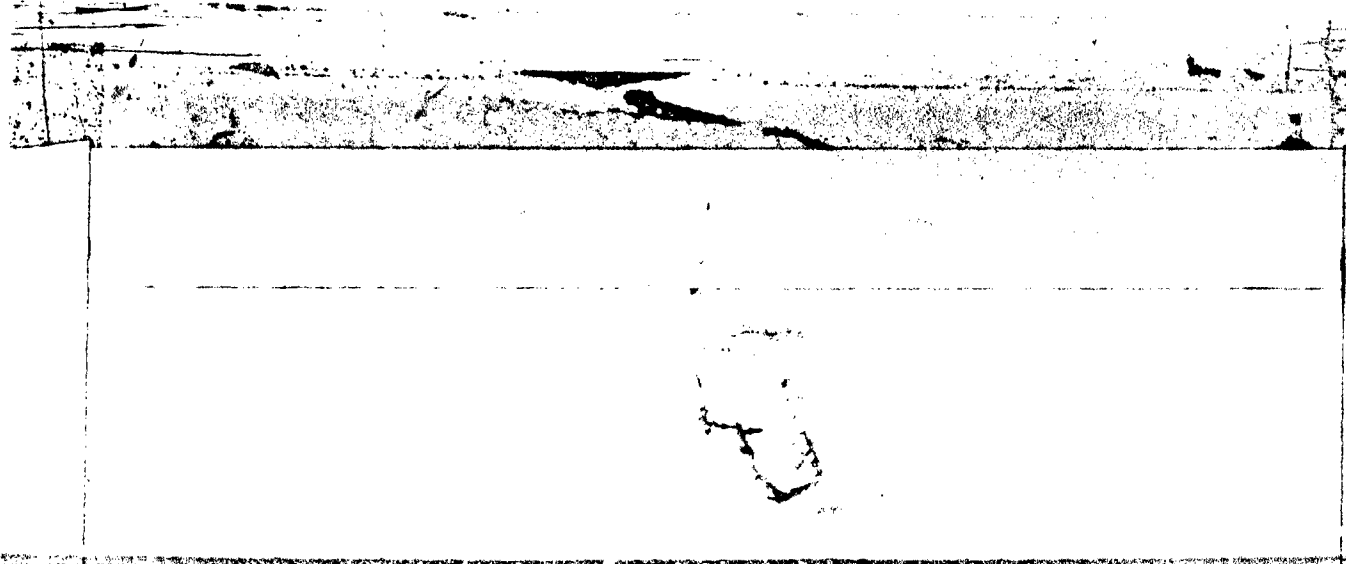
STATION 0101 EL TORO, CALIFORNIA 73-92 YEAR 1951 MONTH SEP
STATION NAME YEAR MONTH
 CONDITION ALL WEATHER DAY 04
CONDITION DATE (L.S.T.)

SPEED (KNOTS) DIRECTION	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-54	≥56	%	MEAN WIND SPEED
N	2.3	0.7										2.7	2.8
NNE	1.7	0.5	0.7									2.3	3.3
NE	3.7	1.7		0.7								5.0	4.1
NNE	0.7	4.0										10.7	2.8
E	0.7	2.0	0.5									16.3	3.2
ESE	4.0	0.7	0.7									5.3	3.1
SE	1.7	2.0										3.7	3.5
SSE	1.7	2.0										3.3	3.9
S	1.7	0.7	0.7									2.3	3.9
SSW	0.7											0.7	1.5
SW		0.7										0.7	4.5
WSW	0.7	0.5										0.7	3.5
W	0.5	0.5										2.7	2.8
WNW	1.7	0.7										0.0	2.7
NW	1.7	0.7										1.7	2.8
NNW	1.7	1.0										2.3	3.1
VARBL													
CALM												37.7	
	38.0	22.0	1.7	0.7								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS





NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1101 EL TORO, CALIFORNIA STATION NAME 73-42 YEAR
ALL WEATHER CLASS
SEP MONTH
07 HOUR (L.S.T.)
 DIRECTION

SPEED (KTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥64	%	MEAN WIND SPEED
N	1.3	.7										2.0	2.5
NNE	.7	.7			.7							2.0	8.3
NE	.7	1.3	.7									2.7	4.8
NNE	4.3	.7										5.0	2.5
E	7.0	6.3	.3									11.7	3.5
ESE	2.7	3.0	.3									6.0	3.5
SE	4.3	2.7	.3									7.0	3.0
SSE	1.3	1.3										4.3	2.6
S	1.3	1.3										2.7	3.5
SSE	1.3	.3										2.0	2.2
SW	.7											.7	1.5
WSW	.7	.3										.7	4.0
W	1.3											1.3	2.3
WW	1.3	.7										3.0	2.8
NW	1.3	.3										1.7	2.2
NNW	1.3			.3								3.3	2.5
VARBL													
CALM												44.0	
	34.3	17.7	1.7	.3	.7							100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 500

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 1952 MONTH SEP
 STATION NAME EL TORO, CALIFORNIA YEAR 1952 MONTH SEP
 ALL WEATHER ALL WEATHER HOURS (L.S.T.) 10
 CLAS CLAS
 OBSERVATION OBSERVATION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.3			0.3								0.7	7.0
NNE		0.3		0.3								0.7	9.5
NE					0.3							0.3	10.0
NNE	2.7											0.3	1.0
E	0.3	0.7	0.3									1.3	5.0
ESE	0.3	0.3	0.3									1.0	4.7
SE	0.7	1.0										1.7	3.6
SSE	0.3	3.0	1.0									7.0	4.0
S	0.3	0.7	1.0									10.7	4.0
SSW	0.3	1.0	0.3									5.3	3.3
SW	1.0	1.0										2.3	2.6
WSW	1.0	2.3	0.3									5.7	3.5
W	0.7	1.0	2.3									34.0	4.1
WNW	0.3	0.3	0.7									14.0	3.7
NW	0.3	0.3	0.3									9.3	3.6
NNW	1.0	0.7										2.0	3.0
VARBL													
CALM												13.7	
	31.0	10.3	7.0	0.7	0.3							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 300

5108

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

101 EL TORO, CALIFORNIA 73-92 SEP
STATION STATION NAME YEAR MONTH
ALL WEATHER 13
CLAS NOV 1957
ORIENTATION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
M				.3								.3	11.0
NNE	.7											.7	3.0
NE													
NNE			.7	.3								.7	9.5
E	.7	.3	.7									2.0	5.0
ESE													
SE													
SSE		1.7										1.7	6.6
S	.7	1.7	1.7	.3								3.7	6.7
SEW	1.7	2.3	1.7									5.4	5.3
SW	.7	1.7	1.7	.7								4.7	6.9
WSW	1.7	4.3	7.4	2.7								15.1	7.6
W	2.3	12.0	26.1	2.7								43.1	7.2
WW	.7	.7	1.7									3.1	7.1
NW	.7	2.3	1.7									4.7	6.2
NNW		.7										.3	6.0
VARS													
CALM												2.0	
	1.7	30.1	52.4	6.4								100.7	6.9

TOTAL NUMBER OF OBSERVATIONS 299

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FL TOPO, CALIFORNIA STATION NAME 73-92 YEAR SEP
 ALL WEATHER CLASS 16 HOURS (L.S.T.)
 OBSERVATION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥36	%	MEAN WIND SPEED
N			.7									.7	10.0
NNE													
NE			.7									.7	9.0
NNE			.7									.7	8.0
E													
ESE													
SE		.7	.7									1.3	6.3
ESE		1.0	.7									2.0	6.0
S	1.7	2.0	2.3	1.3								7.3	6.9
SSW		1.0	.7									2.0	6.7
SW	.7	1.3	.7	.7								3.0	7.4
WSW	.7	3.7	17.3	1.3								16.7	7.4
W	1.7	10.7	25.7	1.0								47.7	7.0
WNW	.7	6.7	2.3	.3								11.3	5.5
NW	.7	1.7	1.7									2.7	5.4
NNW	.7	.7										1.0	3.7
VARBL													
CALM												2.7	
	6.7	38.7	47.3	4.7								100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 300

BMOB

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4111 EL TORO, CALIFORNIA STATION NAME 73-32 YEAR 19
 ALL WEATHER CLASS 19 MONTH SEP
 POSITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-54	≥54	%	MEAN WIND SPEED
M												.7	3.5
NNE												.7	2.0
NE												.3	9.0
ENE	1.7			.3								2.0	4.5
E			.3									1.7	3.8
ESE		1.0										1.3	3.5
SE				.7								2.7	7.3
SSE		2.3		.3								4.0	6.2
S	1.0	4.7	1.7									6.7	4.5
SSW		.7										1.3	3.3
SW	1.3											1.7	2.8
WSW	2.3	4.3	.7									8.0	4.0
W	20.3	13.7	1.3									34.7	3.4
WNW	4.3	5.7										13.3	3.3
NW	1.0	2.3										4.3	2.4
NNW	2.3	.3										2.7	2.5
VARBL													
CALM												12.0	
	44.7	34.3	5.7	1.3								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

101 FL TORO, CALIFORNIA 73-82 SEP
STATION MONTH
CLASS ALL WEATHER 22
MONTHS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	.7										3.0	2.4
NNE	1.7	.3										1.7	2.4
NE	2.3											2.3	2.6
NNE	3.7	1.7		.3								5.7	3.4
E	10.0	5.3										15.3	3.0
ESE	3.7	2.7	.7									6.7	3.4
SE	1.7	1.7	.3									2.3	4.0
SSE	2.3	2.7	.7									5.7	3.9
S	1.7	2.7										3.7	3.7
SSW	.3	1.0										1.3	4.5
SW	1.7											1.0	2.7
WSW	1.7	1.7	.3									2.3	4.0
W	6.3	1.3										7.7	2.3
WNW	2.3	.7										4.0	2.5
NW	1.7	.3										1.3	2.5
NNW	1.7	.3										2.0	2.3
VARBL													
CALM												34.7	
	43.0	21.0	1.7	.3								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7101 EL TORO, CALIFORNIA STATION NAME 73-92 YEAR SEP
 CLASS ALL WEATHER MONTH SEP
 CONDITION ALL HOUR (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.3	.1	.1								1.6	3.2
NNE	.4	.3	.1	.0	.1							1.3	4.5
NE	1.2	.3	.2	.1	.0							1.8	4.1
NNE	2.0	1.1	.1	.1								4.1	3.1
E	4.0	3.5	.4									8.6	3.3
ESE	1.0	1.1	.3									3.2	3.0
SE	1.4	1.2	.3	.1								2.9	3.9
SSE	1.5	1.8	.6	.0								3.8	4.4
S	2.1	2.3	.7	.2								5.5	4.7
SSW	1.1	.7	.3									2.3	4.1
SW	.6	.6	.3	.2								1.7	5.1
WSW	1.3	2.7	2.6	.4								6.3	6.2
W	5.7	7.5	6.9	.5								20.0	5.4
WW	1.4	3.2	1.9	.0								8.5	4.6
WNW	1.7	1.4	.4									3.5	3.6
NW	1.5	.5		.0								2.0	2.8
CALM												22.3	
	32.7	28.1	15.0	1.8	.1							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2399

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

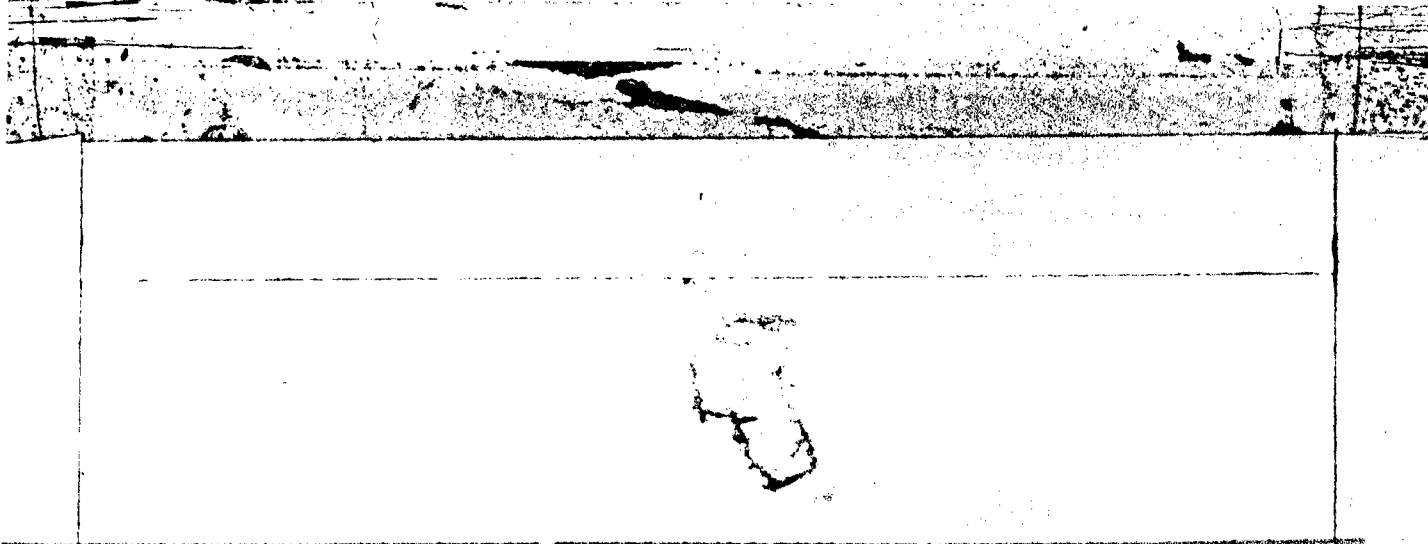
SURFACE WINDS

STATION: EL TORO, CALIFORNIA YEAR: 73-82 MONTH: OCT
 STATION NAME: EL TORO, CALIFORNIA YEAR: 73-82 MONTH: OCT
 ALL WEATHER CLASS: ALL WEATHER MONTH: 01
 CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥64	%	MEAN WIND SPEED
N	1.7											1.3	2.8
NNE	.5	1.0										1.6	4.0
NE	1.9	1.3	.6	.6								4.5	5.4
NNE	1.1	2.6	.3									13.3	2.8
E	17.5	9.4	.7									27.3	3.1
ESE	5.2	1.6										7.5	2.5
SE	2.2	.7										3.2	2.4
SSE	1.7											1.7	2.8
S	.7	.6	.3									1.3	4.5
SSW	.7											.3	3.0
SW		.7										.3	4.0
WSW													
W	1.7	.3										2.3	2.6
WNW	1.0											1.0	2.3
NW	.7											.7	2.0
NNW	1.7											1.6	1.2
VARBL													
CALM												32.4	
	47.1	17.9	1.4	.6								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 308

SMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2101 EL TORO, CALIFORNIA STATION NAME 73-02 YEARS OCT
 MONTHS 06
 CLASS ALL WEATHER
 POSITION
 HOURS (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.3		.3								2.6	4.8
NNE	1.5	.6		.3								2.6	4.1
NE	6.5	2.9	.6		.3							10.4	3.8
NNE	7.5	2.9		.3								10.7	3.3
E	11.0	10.7	.3									22.1	3.7
ESE	2.9	1.3										4.2	3.0
SE	1.9	.3										2.6	2.6
SSE	1.6	1.3										2.9	3.1
S	.6	1.7										1.6	3.2
SSW		.7										.7	4.0
SW	1.0											1.0	2.0
WSW	.7			.3								.6	6.5
W	.3	.3	.3									1.0	5.3
WW	.6	.6										1.1	3.3
NW	.7											.3	2.0
NNW	.5											.6	2.5
VAZEL													
CALM												35.1	
	38.0	24.0	1.3	1.3	.3							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 308

BMOS



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

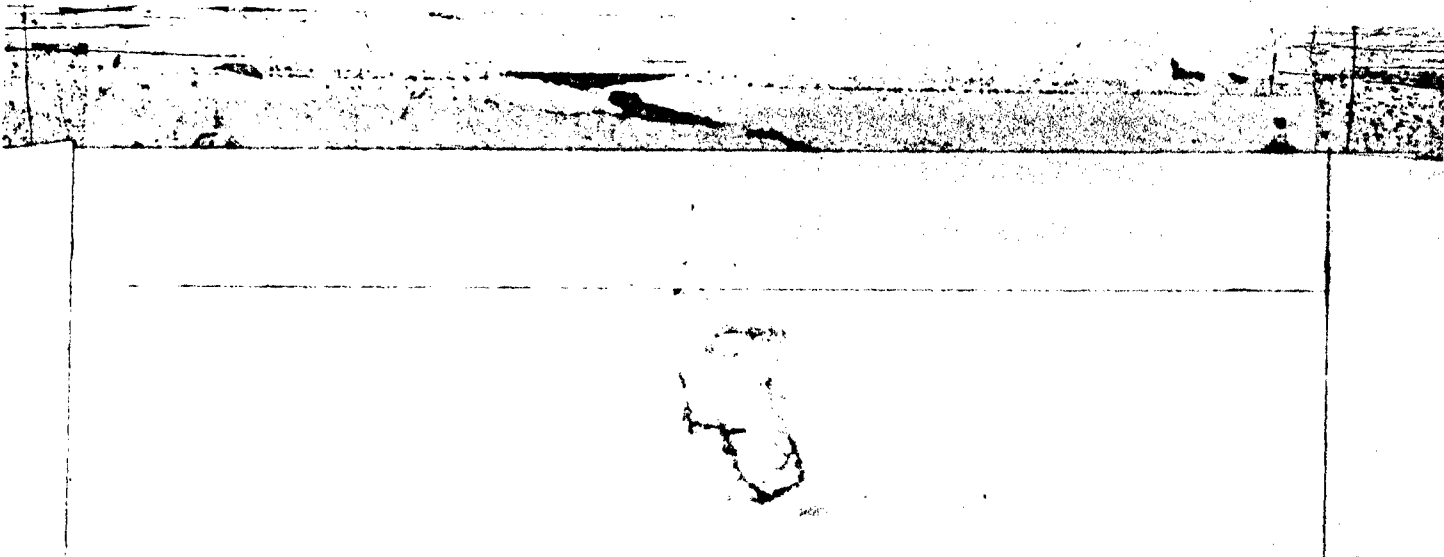
SURFACE WINDS

STATION 0101 STATION NAME EL TORO, CALIFORNIA YEARS 73-92 MONTH OCT
 ALL WEATHER CLAS 07
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.3										1.0	2.3
NNE	1.0	.3		.6								1.9	6.0
NB	3.2	1.4	.3	1.0	.3							6.8	5.4
NNE	7.5	2.9										10.4	2.8
E	14.0	9.1	1.0									23.1	3.1
ESE	3.8	2.6										6.2	3.7
SE	1.7	1.3										2.3	3.9
ESE	1.2											3.2	2.1
S	1.7	.3	.6									2.3	3.7
SEW	1.7											1.3	1.8
SW	.7											.3	1.0
WSW	.7											.3	2.0
W	.6	.6										1.3	3.0
WNW	.7											.6	2.0
NW	.3	.3										.6	3.5
NNW			.7									.3	8.0
VARBL													
CALM												37.0	
	39.9	18.8	2.7	1.6	.3							100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 308

8808



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1101 EL TORO, CALIFORNIA 13-92 OCT
STATION NAME YEAR
ALL WEATHER
CLASS
10
NUMBER (L.S.T.)

SPEED (KNT) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-30	34-40	41-47	48-50	≥54	%	MEAN WIND SPEED
N	.4		.3									1.0	4.3
NNE	.4			1.6	.6							2.9	12.6
NE				.6		.3						1.0	17.3
NNE	1.7		.6	1.7								2.6	7.8
E	1.7	.6	.3									2.3	3.6
ESE	1.0	.3	.2									1.6	3.8
SE	1.7	2.3	.6	.3								4.5	5.3
SSE	.4	2.9	.6									4.2	4.6
S	3.6	3.9	1.6									9.1	4.4
SSW	3.2	1.7										5.2	3.0
SW	.6	1.7										1.6	3.6
WSW	2.3	2.6	.3									5.2	4.0
W	10.7	4.1	1.3	.3								20.6	3.7
WNW	4.2	6.5	.3									11.7	3.7
NW	2.9	2.3	.3									5.5	3.6
NNW	1.6	.6										2.3	2.7
VARL													
CALM												16.3	
	34.4	33.1	6.8	3.9	.6	.3						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 308

8808



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 0710: EL TORO, CALIFORNIA STATION NAME: EL TORO YEAR: 73-77 MONTH: OCT
 CLASS: ALL WEATHER HOURS (L.P.V.): 13
 ORIGIN: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7		.7	.7								1.3	8.8
NNE			.7			.3						.7	17.0
NE				1.0								1.0	12.3
NNE				.7								.7	12.5
E	.7											.3	2.0
ESE		.7	.3									.7	6.5
SE		.7	.7									1.3	6.5
SSE	.7	.7	.7									2.3	5.5
S	1.3	1.3	.7									3.3	6.9
SSW		.7	1.0	.7								3.7	7.2
SW	1.0	1.0	1.0									4.2	5.7
WSW	.7	3.0	4.5	3.3								15.7	8.6
W	.7	14.1	14.0	3.3								38.2	7.3
WNW	1.0	10.5	6.5									18.3	6.1
NW	.7	.7	.7									2.3	5.3
NNW		1.0	.3									1.3	6.0
VARBL													
CALM												4.2	
	7.5	27.2	40.5	7.2		.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 306

BWOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

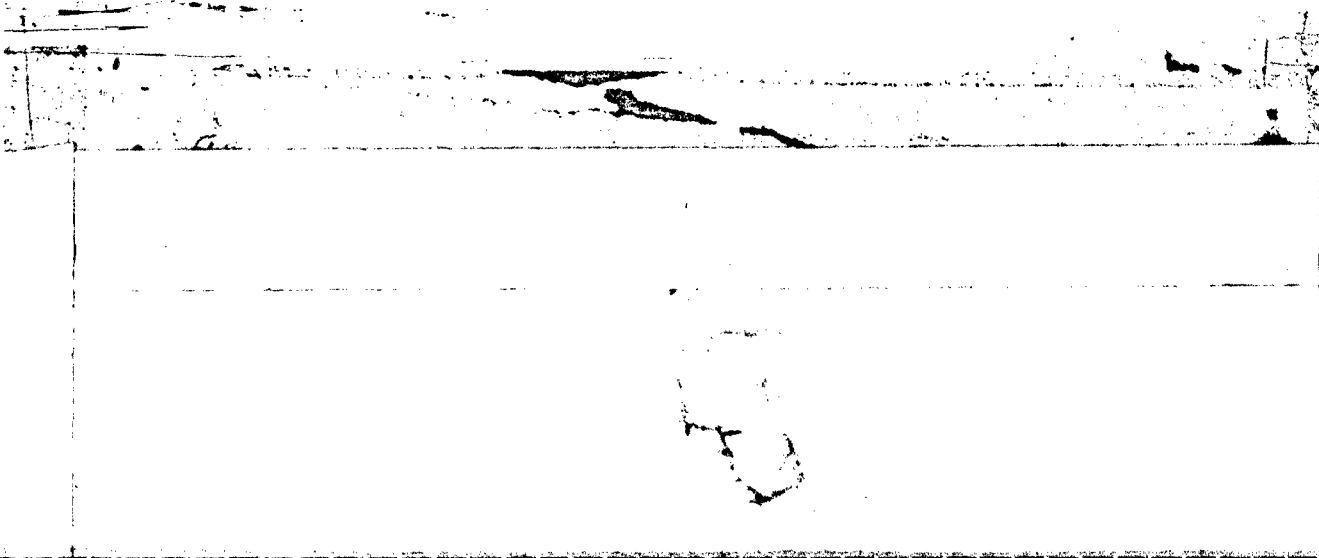
SURFACE WINDS

STATION 1101 EL TORO, CALIFORNIA 73-82 YEAR OCT
STATION NAME YEAR
 ALL WEATHER
CLASS
 16
NUMBER (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.3			.3								.6	7.0
NNE			.6	.6		.3						1.6	14.2
NE	.3		.3	.3								1.2	8.7
NNE		.6										.6	5.5
E		.3										.3	5.0
ESE			.3									.3	7.0
SE					.3							.3	22.0
ESE		.3	1.0									1.3	8.3
S		2.3	2.0									5.0	6.8
SSW	.3	1.6	.3	.3								2.6	5.9
SW		.6	2.9									3.6	8.1
WSW	1.3	5.2	10.4	.3		.3						17.2	7.4
W	2.6	26.2	16.6	1.0								47.1	6.2
WW	2.3	8.2	2.3									13.3	5.1
NW	1.0	1.2	.6									3.6	4.8
NNW													
VARBL													
CALM												.6	
	7.8	49.6	36.3	2.9		1.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 378

9808



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

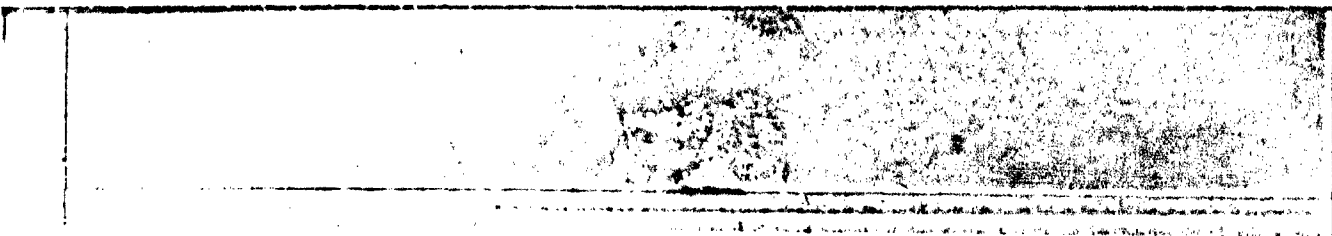
SURFACE WINDS

STATION FL TORO, CALIFORNIA STATION NAME 73-92 YEARS OCT
 MONTH 19
 CONDITION ALL WEATHER
 CLASS CLAS
 OBSERVATION

SPEED (KNTS) DNL	1-3	4-6	7-10	11-14	17-21	22-27	30-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.0		.3								3.6	3.9
NNE	1.7	1.6	.3									3.2	3.9
NE	1.7	1.6	.5	.3	.3							4.2	5.9
NNE	1.3	1.6										3.9	3.0
E	2.0	2.2	.7	.3								6.4	4.3
ESE	1.4	1.7	.7									2.4	3.4
SE	.7	1.0										1.3	5.3
SSE	.7	1.0										1.8	3.0
S	1.2	1.7	.5	.3								5.2	3.9
SSW		.7										.3	4.0
SW	.7											1.0	1.0
WSW	4.7	1.0	.5									5.3	3.3
W	12.0	5.0	.3	.2								16.5	3.2
WW	1.0											4.9	2.2
W	1.2	.5	.7									4.2	3.1
WNW	1.7	1.0	.7									3.2	3.8
YARM													
CALM												29.5	
	43.7	21.8	3.7	1.6	.3							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 308

8808



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4101
STATION

EL TORO, CALIFORNIA
STATION NAME

73-82
YEAR

OCT
MONTH

ALL WEATHER
CLASS

27
HOURS (L.O.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	256	%	MEAN WIND SPEED
0	1.0	1.0	.7									2.3	4.4
000	.3		.4	.6								1.6	9.2
010	3.2	1.6		.3	.3							5.5	4.6
020	2.1	3.2										12.3	2.9
030	10.4	4.8	.3									19.5	3.4
040	4.5	3.2	.3									8.1	3.4
050	1.9	1.6	.3									3.9	3.3
060	.6	1.6										2.3	4.4
070	1.0	1.6										2.0	3.8
080	.3											.3	1.0
090	.2											.6	3.0
100	1.7											1.0	2.7
110	1.7	.2										2.3	3.4
120	1.7	.3	.3									1.3	3.2
130	.3											.3	2.0
140	1.7											1.3	2.0
VARIABLE													
CALM												34.1	
	38.6	23.7	2.3	1.0	.3							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

308

5808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: FL TORO, CALIFORNIA YEAR: 73-82 MONTH: OCT
 STATION NAME: _____ CLASS: ALL
 ALL WEATHER
 CLASS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	.4	.1	.2								1.8	4.4
NNE	.7	.4	.7	.5	.1	.1						2.0	7.8
NE	2.1	1.2	.7	.6	.2	.0						4.3	6.5
NNE	4.7	1.9	.1	.2								6.8	3.3
E	7.4	5.1	.7	.7								12.7	3.4
ESE	2.4	1.3	.7									3.9	3.3
SE	1.0	1.0	.7	.0		.7						2.4	4.2
SSE	1.1	1.0	.7									2.4	4.0
S	1.4	1.4	.7	.7								3.9	4.7
SSW	.7	.4	.2	.1								1.0	4.5
SW	.7	.4	.2	.1								1.6	5.2
WSW	1.2	1.5	2.5	.5		.7						5.7	6.7
W	4.0	7.1	4.7	.5								16.4	5.6
WW	2.1	3.2	1.2									6.6	4.7
NW	1.1	.7	.7									2.2	3.9
NNW	.7	.3	.2									1.3	3.3
VARBL													
CALM												24.0	
	32.3	24.7	12.1	2.8	.2	.7						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2462

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 73-82 MONTH NOV
 STATION NAME EL TORO, CALIFORNIA YEAR 73-82 MONTH NOV
 CLASS ALL WEATHER MONTH NOV
 COMMENTS

SPEED (KNOTS) DIAL	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	.7										1.7	2.6
NNE	2.7	1.0	1.0	.3								5.0	4.5
NE	4.7	2.7		.7								8.0	4.0
NNE	9.7	6.7	1.0									18.7	3.6
E	14.7	12.7	1.7									28.3	3.7
ESE	6.0	3.3	.7									8.7	3.6
SE	3.3	1.7	.7									4.7	3.9
SSE	1.7	.7										2.7	3.0
S	.7	.7										.7	4.0
SEW	1.0											1.0	1.7
SW	.7		.7									.7	5.5
WSW													
W	.7	.3		.3								1.3	5.3
WW	.7		.7									.7	5.0
NW	.7											.7	1.5
NNW	.7	.3										.7	3.0
VARBL													
CALM												18.0	
	44.3	31.3	5.0	1.3								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 370

5100

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL YAGO, CALIFORNIA STATION NAME 73-72 YEARS NOV
 CLASS ALL WEATHER MONTH 04
 ORIGIN NOBS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0										2.0	3.0
NNE	1.3	.7			.3	.7						4.7	5.1
NE	7.7	2.7	.7	.7		.7						11.3	4.0
NNE	.7	7.0	2.0	.7	.3							16.7	4.4
E	.7	1.0	.7									23.3	3.9
ESE	6.7	4.7	.7									11.1	3.6
SE	7.7	.7	.7									4.3	3.0
SSE	.7	1.0										1.3	4.0
S	1.7		.7									1.7	3.0
SSW				.7								.3	13.0
SW	.7											.3	2.0
WSW													
W													
WNW													
NW	.7		.7									.7	5.0
NNW	.7											.7	2.5
VARBL													
CALM												21.7	
	41.7	30.7	.7	1.0	.7	.7						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 300

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA STATION NAME 73-52 YEAR NOV
 DATE 07 MONTH NOV
 TIME ALL WEATHER CLAS
 COMMENTS

SPEED (KNTS) DIR.	0-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3											1.3	2.0
NNE	2.0	1.0		.3		.3	.3					4.0	7.5
NE	4.7	2.3	.7		.3							7.7	8.1
NNE	11.3	6.0					.3					17.7	3.6
E	10.3	11.7	.3	.3								27.7	3.0
ESE	6.0	7.7	.3									10.0	3.4
SE	2.0	.3										2.3	2.9
SSE	1.3	.3	.3									2.0	4.0
S	1.3	.7										2.0	3.3
SSW													
SW				.3								.3	16.0
WSW													
W	1.0	.7										1.7	3.8
WNW													
NW													
NNW	1.0											1.0	2.3
VARB													
CALM												22.3	
	47.0	26.7	1.7	1.0	.3	.3	.7					100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 97101 STATION NAME EL TOPO, CALIFORNIA YEAR 73-72 MONTH NOV
STATION STATION NAME YEAR MONTH
 ALL WEATHER
CLASS
 CREW/TON

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	.3		.7								3.7	4.7
NNE	.7		1.0									1.3	7.3
NE			.7	.7		.7						1.7	13.0
ENE		.7	.3	.3	.7							1.7	12.0
E													
ESE	.7	1.0	.7									2.3	4.7
SE	1.7	1.3	1.7									3.7	5.3
SSE	2.7	.3	2.7	.3								8.3	5.6
S	6.7	4.7	1.7									12.3	3.7
SSW	3.3	1.0	.3									4.7	3.1
SW	1.7	1.3										3.0	2.9
WSW	4.3	1.0	.7									5.7	2.6
W	2.0	5.0	.7	.7								13.3	3.9
WNW	1.0	3.7	.3									9.0	3.3
NW	4.7	.7										5.3	2.5
NNW	1.0	.7										1.7	2.6
VARBL													
CALM												22.3	
	40.7	23.3	10.0	2.7	.7	.3						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 300

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7101
STATION

EL TORO, CALIFORNIA

73-82

NOV

ALL WEATHER

13

REPORT ON

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
M		.1		.3								.7	7.5
NNE		.3	1.0	.7	.3							2.3	11.0
NE				1.0		.3						1.3	16.0
NNE	.3		.7									1.0	6.7
E		.7										.7	5.0
ENE			.3									.3	8.0
E	.5	.3	.7									1.3	6.3
ESE	.7	.7	.3	1.0	.3							2.7	9.6
S	.7	2.7	2.0	.3		.3						5.0	7.0
SEW	1.7	2.7	2.7	.3								7.4	5.8
SE		1.7	1.3	.3								3.3	7.0
WSW	1.7	4.0	6.0	.3	.3	.3						12.0	7.4
W	3.0	15.1	10.0	1.0								29.1	6.0
WNW	2.7	11.7	5.7									20.1	5.7
NW	1.7	3.3	1.0									6.0	4.7
NNW	.7	.3	1.0	.3								2.3	5.9
VARBL													
CALM												4.3	
	12.4	43.1	32.4	5.7	1.0	.7						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93111
STATION

EL TORO, CALIFORNIA
STATION NAME

73-82
YEARS

NOV
MONTH

ALL WEATHER
CLASS

16
DAYS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7		.3								1.0	7.3
NNE	.7	.3		1.3								2.0	10.5
NE		.7	1.7	1.0		.3						3.0	11.1
NNE	.7	.7		.3								1.0	7.0
E	.7	.7		.3								1.3	6.0
ESE			.7									.7	7.0
SE	.7	.3										.7	3.5
SSE	.3	1.3	1.3	.3								3.3	6.9
S		4.0	2.0									6.0	6.2
SSW	.7	1.0	.7	.3								2.3	6.7
SW	.7	2.3	1.3									4.0	6.1
WSW	.7	.7	3.0	.3								10.3	6.4
W	6.0	19.7	11.3	1.7	.3							39.0	5.8
WNW	3.0	10.7	2.7									16.3	4.9
NW	1.7	2.0	.3									4.0	4.0
NNW	1.7	.7										2.0	2.7
VARBL													
CALM												3.0	
	14.7	51.0	24.7	6.0	.3	.7						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

300

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TORO, CALIFORNIA YEAR 73-82 MONTH NOV
 STATION NAME EL TORO, CALIFORNIA CLASS ALL WEATHER MONTH 19
 CLAS ALL WEATHER
 CLAS ALL WEATHER
 CLAS ALL WEATHER
 CLAS ALL WEATHER

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	1.0	.3									4.3	3.6
NNE	3.0	.7	.3	.7		.3						5.0	5.5
NE	4.3	.7	.7	1.0	.3							7.0	5.5
NNE	9.7	1.7	.7									11.3	2.7
E	4.7	5.3	1.0									10.0	3.7
ESE	2.3	2.0	.3									4.7	3.7
SE	1.7	1.0	.3									3.0	3.7
SSE	.7	1.7										2.3	4.0
S	1.3											1.3	1.6
SSW	1.0											1.0	1.7
SW	.7											.7	2.0
WSW	1.7	.3										2.0	2.7
W	.7	.3	.3	.3								1.7	6.4
WNW	1.0	.7	.7									2.3	4.3
NW	.7											.7	2.5
NNW	1.7											1.7	2.2
VARB.													
CALM												13.0	
	41.5	10.3	4.7	2.0	.3	.7						100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7101
STATION

EL TORO, CALIFORNIA
STATION NAME

73-52
YEAR

NOV
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.3	.3									1.3	4.3
NNE	1.7	1.7	.3			.3						3.7	5.9
NE	4.3	2.3	.7	1.0								8.3	4.8
ENE	7.7	4.1	.3									12.0	5.3
E	12.3	17.3	1.3									31.0	3.9
ESE	4.7	5.7	1.7	.3								12.3	4.5
SE	2.7	2.3	1.1	.3								6.3	4.7
SSE		1.1	.7									1.3	5.0
S	1.0	.3	.3									1.7	3.8
SSW													
SW													
WSW	.7											.3	2.0
W		.3		.3								.7	9.0
WNW	.1											.3	3.0
NW		.1										.3	6.0
NNW	.1											.3	3.0
VARBL													
CALM												20.0	
	35.7	35.7	6.3	2.0		.3						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

02111
STATION

EL TORO, CALIFORNIA
STATION NAME

73-82
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
NOON (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-54	≥56	%	MEAN WIND SPEED
N	1.4	.5	.1	.2								2.0	4.0
NNE	1.6	.7	.5	.4	.1	.2	.0					3.5	6.5
NE	3.2	1.4	.5	.7	.1	.2						6.0	5.5
NNE	5.7	3.4	.6	.1	.1		.0					10.0	3.9
E	7.5	4.0	.7	.1								16.3	3.8
ESE	3.0	2.5	.6	.0								6.3	3.9
SE	1.7	1.0	.5	.0								3.3	4.1
SSE	.2	1.2	.6	.2	.0							2.0	5.6
S	1.1	1.5	.4	.0								3.2	4.6
SSW	.9	.6	.5	.1								2.1	4.8
SW	.4	.7	.4	.1								1.5	5.5
WSW	1.0	1.5	1.2	.1	.0	.1						3.4	5.8
W	2.3	3.2	2.8	.5	.0							10.2	5.6
WNW	1.4	3.3	1.2									6.1	4.9
NW	1.2	.4	.2									2.2	3.7
NNW	.9	.3	.1	.0								1.3	3.3
VARL													
CALM												18.1	
	34.6	32.5	11.2	2.7	.4	.4	.1					100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

2399

SMOG

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: EL TORO, CALIFORNIA YEAR: 73-72 MONTH: DEC
 STATION NAME: EL TORO, CALIFORNIA CLASS: ALL WEATHER MONTH: 01
 ORIGINATOR: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥34	%	MEAN WIND SPEED
N	.3	.5		.3								1.0	6.3
NNE	2.7			1.3		.6						4.5	8.4
NE	4.0	7.7	.3	.6								9.0	4.2
NNE	5.5	6.3	.6			.7						14.2	4.0
E	13.0	12.0	1.0	1.0								28.4	3.9
ESE	6.7	4.0	.3									11.3	3.2
SE	7.7	1.0	.3	.3								5.2	3.6
SSE	1.0	1.0	.6									2.9	4.3
S	.7	.6	.3									1.3	5.3
SSW		.7										.3	4.0
SW													
WSW	.7											.3	2.0
W	.7	.3	.3									1.0	5.3
WNW													
NW													
NNW			.7									.3	4.0
VARBL													
CALM												20.3	
	39.7	31.6	3.0	3.5		1.0						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 711 STATION NAME EL TORO, CALIFORNIA YEAR 73-82 MONTHS DEC
 CLASS ALL WEATHER HOUR (L.S.T.) 04

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.3		.6								3.9	5.2
NNE	2.3	.3	1.0	1.3		.3						5.2	7.9
NE	4.2	3.7	1.0	.3								9.4	4.3
ENE	4.7	4.6	.3	.6								15.5	3.5
E	12.9	11.3	.6									24.3	3.5
ESE	2.6	3.2	.3		.3							6.6	4.5
SE	1.2	1.9										5.2	2.9
SSE	1.9	1.0										2.9	3.2
S	1.0	.3	.3									1.6	3.8
SSW	1.0											1.0	2.0
SW													
WSW			.3									.3	7.0
W	.3		.3									.6	4.5
WW		.3										.3	4.0
NW	1.0											1.3	2.0
NNW	.3	.6										1.0	4.0
VARBL													
CALM												70.6	
	42.6	29.0	4.2	2.9	.3	.3						170.0	3.2

TOTAL NUMBER OF OBSERVATIONS 310

ENC

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

97211
STATION

EL TORO, CALIFORNIA
STATION NAME

73-82
YEAR

DEC
MONTH

ALL WEATHER
CLASS

07
HOURS (L. S. T.)

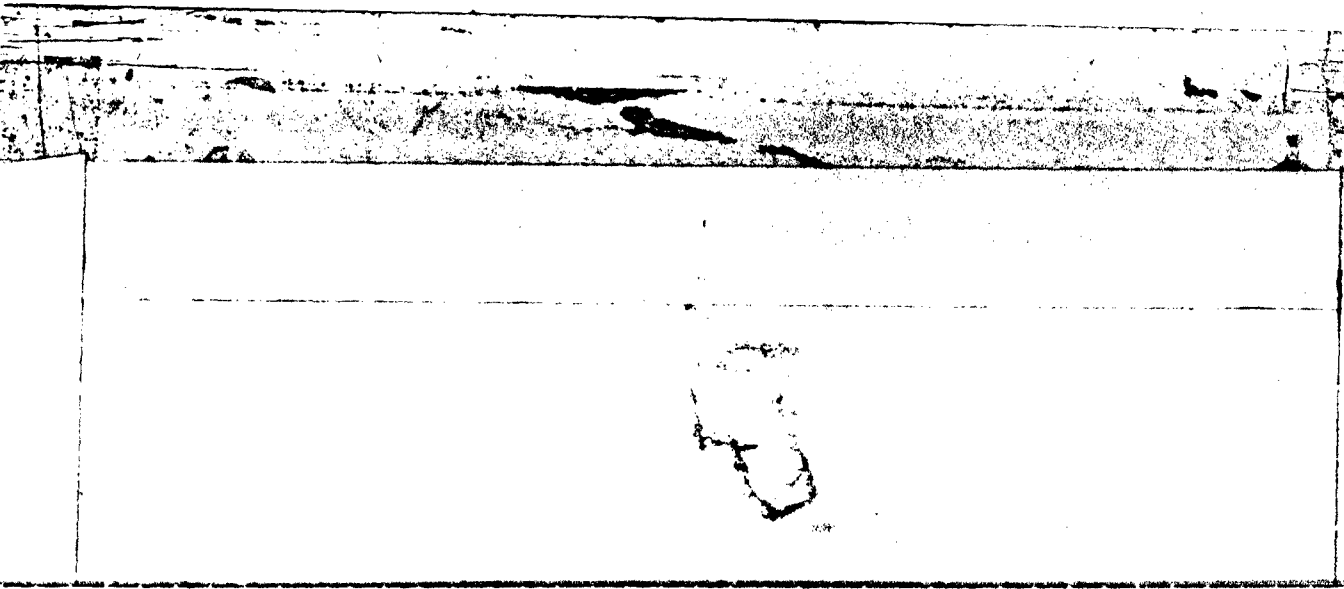
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥66	%	MEAN WIND SPEED
N	.6	.7	.7									1.9	5.2
NNE	2.5	.5	1.0	1.0		.3			.3			5.5	7.1
NE	6.8	2.9	.6		.3							16.6	4.0
NNE	.7	8.4	1.3	.6								20.0	4.0
E	11.3	2.1	1.8									21.6	3.5
ESE	7.7	8.2	1.0	.3								3.4	4.2
SE	7.9	1.0										3.7	3.0
ESE	1.5	.2	.7									2.3	3.6
S	1.0											1.0	1.7
SEW	1.0	.3										1.3	2.3
SW		.7										.7	4.0
WSW													
W	1.0	.3										1.3	2.0
WNW	.7											.6	1.5
NW	.7											.6	2.5
NNW	1.0	.3										1.3	2.5
VARB													
CALM												16.4	
	4.2	27.1	6.5	1.9	.3	.3			.3			100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

310

8808



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION VT 1 EL TORO, CALIFORNIA 73-92 YEAR DEC
STATION NAME YEAR
 ALL WEATHER
CLASS
 10
NUMBER (L.S.V.)

SPEED (KNTS) DNL	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥56	%	MEAN WIND SPEED
N	1.3	.3			.3							1.9	5.7
NNE	.6		.3	.6	.3	.3						2.3	10.9
NE		.7	.3	1.6	.3	1.0						3.6	15.2
NNE	.7	.7										.6	3.5
E	1.3	1.3	1.0	.3								3.9	5.6
ESE	.7	1.3	.3	.3								2.3	6.1
SE	1.3	2.6										4.9	3.7
SE	1.3	3.9	.6	.3								10.0	3.9
S	4.5	4.5	.3	.3								10.0	3.7
SSW	3.0	.3										3.0	2.3
SW	1.3	1.3	.7									3.2	3.5
WSW	1.6	.6	.3									2.6	3.5
W	4.5	2.3	1.0									9.7	3.3
WW	2.0	.6	.6									4.2	3.4
WNW	3.0	.6		.3								4.5	3.0
NW	1.6	.3										1.9	2.3
VARB													
CALM												30.4	
	37.5	20.7	4.2	3.9	1.0	1.3						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 309

8806



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TURCO, CALIFORNIA YEAR 73-72 MONTH DEC
STATION NAME YEAR MONTH
 ALL WEATHER 13
CLASS NUMBER (L.S.V.)
 CORRECTIONS

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	0.2	0.6	0.3	0.3						2.6	12.1
NNE		0	1.0			0.3						1.6	11.6
NE			0	0.6	1.0							1.9	15.2
NNE		0	0.3	1.9								2.6	11.0
E	0		0									0.6	4.5
ESE	0		0									1.3	4.0
SE	1.0		0	0.6								1.6	7.3
SSE	0	1.3	1.0	0.3								3.2	6.4
S	0	2.3	0	0.6								4.2	6.4
SEW	2.0	1.0	1.0									5.5	4.2
SW	1.0	1.0	1.0									3.6	4.9
WSW	0	1.0	1.0	0.6								6.4	5.0
W	1.0	1.0	0	0.6								29.1	4.8
WNW	0	9.4	2.0	0.3								26.4	4.6
NW	0	2.0										6.1	3.7
NNW	1.0	1.0										2.6	3.1
VARIABLE												7.0	
CALM													
	31.1	36.9	15.2	7.1	1.3	0.0						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 379

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: EL TORO, CALIFORNIA YEAR: 73-72 MONTH: DEC
 DATE: 16
 ALL WEATHER
 CLAS
 ORIGIN

SPEED (KNOTS) DIAL	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	.1	.0	.6		.3							1.6	5.8
NNE	1.0		1.0	1.3	.3							3.6	9.9
NE	.1		1.0	1.0								2.3	9.7
ENE		.3		1.0								1.3	10.8
E			.3									.3	4.0
ESE		1.0	.3	.3								1.6	7.0
SE		.1	.1									1.3	6.0
SSE	1.1	1.6	.1	.6								3.6	5.8
S	1.0	2.0	1.6	.3								5.6	5.8
SSW	1.0	1.0	1.0									3.2	4.6
SW	.6	1.0	1.0	.3								3.6	6.2
WSW	1.0	.6	2.0									4.1	5.4
W	11.0	1.0	2.0									12.4	4.1
WNW	1.1	1.0	1.0	.3	.3							18.8	4.7
NW	.1	.1	.1									4.2	3.8
NNW	1.0	.1	.1	.3								3.6	3.8
CALM												3.4	
	11.4	43.7	17.5	5.7	1.0							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 309

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL YAGO, CALIFORNIA STATION NAME EL YAGO, CALIFORNIA YEARS 73-72 MONTH DEC
 CLASS ALL WEATHER HOURS (L.S.T.) 12
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	1.3	0.0									4.2	3.8
NNE	0.0	0.0		1.0	1.0	0.0						6.5	7.7
NE	0.0	2.0	0.0	0.0	0.0							11.0	5.0
ENE	0.0	1.3	0.0	1.0								11.0	3.7
E	15.0	5.1	1.0									23.0	3.5
ESE	0.0	1.3	0.0									2.6	4.4
SE	1.0	2.0										3.6	3.9
SSE	0.0	0.0	0.0									1.0	5.2
S	1.0	0.0			0.0							1.0	5.3
SSW	0.0		0.0	0.0								1.0	5.5
SW													
WSW	0.0											0.0	1.5
W	1.0	0.0	0.0									1.0	3.3
WNW	0.0	0.0		0.0								1.0	7.5
NW	0.0											0.0	1.0
NNW	1.0	0.0	0.0									1.0	3.2
VARB.													
CALM												20.2	
	40.5	20.7	4.0	3.6	1.9	0.0						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 379

BMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FL TOPG, CALIFORNIA STATION NAME 73-92 YEAR DEC
 CLASS ALL WEATHER MONTH 22
 CONDITION

SPEED (KTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	.3										1.9	2.7
NNE	2.3	1.0	.6	1.0	.3	.6						5.9	8.4
NE	4.0	2.3	.6	1.0		.3						9.1	5.3
ENE	7.8	6.3	.6		.3							15.5	3.8
E	12.0	13.7	1.5	.3								27.8	4.0
ESE	4.2	7.8	1.0									12.9	4.3
SE	1.7	.7	.6									3.2	3.4
SSE	.6	1.3										1.9	3.5
S	.3	1.0										1.3	3.5
SSW	.6											.6	2.5
SW	.3											.3	3.0
WSW			.3									.3	10.0
W	.3			.3								1.0	5.3
WNW	.7	.3										.5	3.0
NW				.3								.3	11.0
NNW		.3		.3								1.0	7.7
VARB.													
CALM												16.2	
	37.5	37.9	5.8	3.2	.6	1.0						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FLURO, CALIFORNIA YEAR 73-82 MONTH DEC
STATION NAME YEAR MONTH
 CLASS ALL WEATHER HOURS (L.S.T.) ALL
CLASS HOURS (L.S.T.)
 OBSERVATION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	.0	.3	.2	.1	.0						2.4	6.0
NNE	1.0	.3	.6	.9	.2	.4			.0			4.4	8.8
NE	2.4	1.0	.6	.7	.3	.2						7.0	5.8
NNE	.3	3.6	.1	.6	.1	.0						10.1	4.2
E	1.1	7.1	.1	.2								16.3	3.7
ESE	2.4	2.0	.5	.1	.0							6.0	4.2
SE	1.0	1.7	.2	.1								3.0	3.8
SSE	1.0	1.4	.4	.2								3.6	4.4
S	1.0	1.5	.4	.2	.1							3.4	4.7
SSW	1.0	.5	.2	.0								2.1	3.6
SW	.0	.7	.3	.0								1.0	4.9
WSW	.0	1.0	.4	.1								2.5	5.0
W	.0	4.4	1.1	.2								9.0	4.2
WNW	.0	2.0	.4	.2	.0							5.6	4.5
NW	1.0	.5	.1	.1								2.2	3.5
NNW	1.0	.5	.3	.1								1.7	3.6
VARB													
CALM												15.2	
	31.1	31.7	7.4	4.0	.8	.6			.0			100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 2475

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION EL TOPO, CALIFORNIA YEAR 73-82 ALL MONTHS
 STATION NAME EL TOPO, CALIFORNIA YEAR 73-82 ALL MONTHS
 CLASS ALL WEATHER
 CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.4	.1	.1	.0	.0						1.7	4.4
NNE	.9	.4	.2	.3	.1	.1	.0		.0			1.0	6.9
NE	1.4	1.7	.2	.3	.1	.0	.0					3.3	5.4
NNE	7.9	1.7	.2	.2	.0	.0	.0					5.5	3.6
E	6.7	4.9	.0	.1	.0							12.2	3.5
ESE	7.7	2.0	.0	.1	.0							5.2	3.9
SE	1.7	1.6	.5	.2	.0	.0						3.9	4.4
SSE	1.6	1.7	.9	.2	.0	.0						4.4	4.9
S	2.2	2.5	1.2	.2	.0	.0						6.1	4.8
SSW	1.1	1.1	.5	.1	.0							2.8	4.8
SW	.3	.9	.6	.1	.0							2.5	5.3
WSW	1.3	2.0	1.9	.4	.0	.0						5.6	6.0
W	3.7	6.4	4.9	.6	.0	.0						15.5	5.7
WW	2.2	2.0	1.6	.1	.0							6.9	4.9
NW	1.1	.9	.3	.0	.0							2.4	4.1
NNW	.0	.4	.1	.0	.0							1.4	3.6
VARIABLE													
CALM												18.8	
	32.0	30.5	14.2	3.0	.4	.2	.0		.0			100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 28708

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7101 EL TORO, CALIFORNIA 73-82 ALL
STATION STATION NAME YEAR MONTH
INSTRUMENT CLASS ALL
CIG 200 TO 1400 FT W/VISBY 1/2 MI OR MORE, HOURS (L.S.T.)
CONDITION
AND/OR VISBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	.5	.1	.0								1.9	2.9
NNE	.1	.2	.									1.2	2.5
NE	1.4	.4	.1									2.1	3.0
ENE	.7	1.3	.1									4.2	3.0
E	7.7	2.5	.7	.1								13.3	3.6
ESE	2.7	2.1	.7	.1	.7							6.8	4.1
SE	2.7	2.9	1.7	.5		.7						7.3	4.8
SSE	2.7	2.5	1.7	.5	.7	.7						6.6	5.1
S	1.0	1.6	1.0	.7	.7	.1						7.7	4.5
SSW	1.6	1.1	.1	.1	.7	.0						3.0	3.9
SW	1.1	.7	.1	.1								2.3	4.3
WSW	1.4	.6	.7	.1								2.7	4.6
W	1.7	1.0	.7	.1								7.7	4.1
WNW	2.5	1.1	.7	.0								4.3	3.7
NW	1.1	.6	.1									2.7	3.0
NNW	1.7	.7	.7									2.7	2.6
VARBL												24.3	
CALM													
	34.5	29.2	7.7	1.7	.1	.1						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 3759

8MOS

NOCD, Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100					95.4		96.9			98.3						100.0
C																

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
 For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
 Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
 Visibility ≥ 3 miles = 95.4%.
 Visibility ≥ 2 miles = 96.9%.
 Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus, 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10
Scattered converted to 3/10
Broken converted to 9/10
Overcast converted to 10/10
Obscured converted to 10/10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

73-79, 81-82

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING	23.7	66.7	64.7	64.8	71.9	71.9	72.7	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 20000	23.7	65.7	64.4	71.5	72.7	72.7	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
18000	23.7	64.1	69.8	70.9	73.0	73.0	73.7	74.1	74.1	74.1	74.1	74.1	74.8	74.8	74.8
14000	23.7	64.1	69.8	70.9	73.0	73.0	73.7	74.1	74.1	74.1	74.1	74.1	74.8	74.8	74.8
14000	23.7	64.1	69.8	70.9	73.0	73.0	73.7	74.1	74.1	74.1	74.1	74.1	74.8	74.8	74.8
10000	23.7	70.9	71.6	72.7	75.2	75.2	76.3	76.6	76.6	76.6	76.6	76.6	77.3	77.3	77.3
9000	23.7	70.9	71.6	72.7	75.2	75.2	76.3	76.6	76.6	76.6	76.6	76.6	77.3	77.3	77.3
9000	23.7	70.9	71.6	72.7	75.2	75.2	76.3	76.6	76.6	76.6	76.6	76.6	77.3	77.3	77.3
7000	23.7	73.0	73.7	74.8	77.3	77.3	78.8	79.1	79.1	79.1	79.1	79.1	79.9	79.9	79.9
7000	23.7	73.0	73.7	74.8	77.3	77.3	78.8	79.1	79.1	79.1	79.1	79.1	79.9	79.9	79.9
6000	23.7	73.0	73.7	74.8	77.3	77.3	78.8	79.1	79.1	79.1	79.1	79.1	79.9	79.9	79.9
5000	24.5	74.5	75.2	76.3	78.8	79.1	80.2	80.6	80.6	80.6	80.6	80.6	81.3	81.3	81.3
4500	24.5	75.5	76.3	77.3	79.9	80.2	81.3	81.7	81.7	81.7	81.7	81.7	82.4	82.4	82.4
4000	24.5	77.3	77.7	78.8	81.3	81.7	82.7	83.1	83.1	83.1	83.1	83.1	83.8	83.8	83.8
3500	24.5	78.8	79.9	80.2	82.7	83.0	84.2	84.2	84.2	84.2	84.2	84.2	85.3	85.3	85.3
3000	24.5	79.9	80.6	81.7	84.2	84.5	85.6	86.0	86.0	86.0	86.0	86.0	87.1	87.1	87.1
2500	25.2	82.4	83.1	84.2	86.7	87.1	88.3	88.3	88.3	88.3	88.3	88.3	89.6	89.6	89.6
2000	25.2	83.5	84.5	85.6	87.1	87.4	88.5	88.9	88.9	88.9	88.9	88.9	89.9	89.9	89.9
1800	25.2	83.5	84.5	85.6	87.1	87.4	88.5	88.9	88.9	88.9	88.9	88.9	89.9	89.9	89.9
1600	25.2	83.5	84.5	85.6	87.1	87.4	88.5	88.9	88.9	88.9	88.9	88.9	89.9	89.9	89.9
1400	25.2	83.5	84.5	85.6	87.1	87.4	88.5	88.9	88.9	88.9	88.9	88.9	89.9	89.9	89.9
1200	25.2	83.5	84.5	85.6	87.1	87.4	88.5	88.9	88.9	88.9	88.9	88.9	89.9	89.9	89.9
1000	25.2	83.5	84.5	85.6	87.1	87.4	88.5	88.9	88.9	88.9	88.9	88.9	89.9	89.9	89.9
900	25.2	83.5	84.5	85.6	87.1	87.4	88.5	88.9	88.9	88.9	88.9	88.9	89.9	89.9	89.9
800	25.2	83.5	84.5	85.6	87.1	87.4	88.5	88.9	88.9	88.9	88.9	88.9	89.9	89.9	89.9
700	25.2	83.5	84.5	85.6	87.1	87.4	88.5	88.9	88.9	88.9	88.9	88.9	89.9	89.9	89.9
600	25.2	83.5	84.5	85.6	87.1	87.4	88.5	88.9	88.9	88.9	88.9	88.9	89.9	89.9	89.9
500	25.2	83.5	84.5	85.6	87.1	87.4	88.5	88.9	88.9	88.9	88.9	88.9	89.9	89.9	89.9
400	25.2	83.5	84.5	85.6	87.1	87.4	88.5	88.9	88.9	88.9	88.9	88.9	89.9	89.9	89.9
300	25.2	83.5	84.5	85.6	87.1	87.4	88.5	88.9	88.9	88.9	88.9	88.9	89.9	89.9	89.9
200	25.2	83.5	84.5	85.6	87.1	87.4	88.5	88.9	88.9	88.9	88.9	88.9	89.9	89.9	89.9
100	25.2	83.5	84.5	85.6	87.1	87.4	88.5	88.9	88.9	88.9	88.9	88.9	89.9	89.9	89.9
0	25.2	83.5	84.5	85.6	87.1	87.4	88.5	88.9	88.9	88.9	88.9	88.9	89.9	89.9	89.9

TOTAL NUMBER OF OBSERVATIONS

278

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

73-70, 81-82

JAN

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (L & Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0	
NO CEILING	22.0	65.6	67.4	69.5	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 20000	22.0	65.6	67.4	69.5	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 18000	22.0	65.6	67.4	69.5	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 16000	22.0	65.6	67.4	69.5	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 14000	22.0	65.6	67.4	69.5	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 12000	22.0	65.6	67.4	69.5	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 10000	23.3	65.1	69.5	71.7	73.8	73.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 9000	23.3	62.1	69.5	71.7	73.8	73.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 8000	24.4	7.0	72.0	74.2	76.3	76.3	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 7000	24.4	7.0	72.0	74.2	76.3	76.3	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 6000	24.4	7.0	72.0	74.2	76.3	76.3	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 5000	24.4	71.3	72.8	74.9	77.1	77.1	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 4500	24.4	72.3	72.8	74.9	77.1	77.1	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 4000	25.5	73.8	75.6	77.8	79.9	79.9	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 3500	25.5	75.5	77.4	79.8	81.7	81.7	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 3000	26.4	77.8	79.9	82.1	84.2	84.2	85.7	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 2500	26.4	79.6	82.1	84.2	86.4	86.4	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 2000	26.4	81.4	83.9	86.1	88.2	88.2	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1800	26.4	82.4	85.0	87.1	89.6	89.6	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1500	27.4	85.3	87.8	90.3	92.8	92.8	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1200	27.4	85.3	87.8	90.3	92.8	92.8	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000	27.6	85.7	88.2	90.7	93.2	93.2	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 900	27.6	86.4	88.9	91.4	93.9	93.9	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 800	27.6	86.7	89.3	91.8	94.3	94.3	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 700	27.6	86.7	89.3	91.8	94.3	94.3	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 600	27.6	86.7	89.3	91.8	94.3	94.3	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 500	27.6	86.7	89.3	91.8	94.3	94.3	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 400	27.6	86.7	89.3	91.8	94.3	94.3	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 300	27.6	86.7	89.3	91.8	94.3	94.3	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 200	27.6	86.7	89.3	91.8	94.3	94.3	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 100	27.6	86.7	89.3	91.8	94.3	94.3	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 0	27.6	86.7	89.3	91.8	94.3	94.3	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4

TOTAL NUMBER OF OBSERVATIONS 279

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

YEARS 73-79, 81-82

MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NUMBER OF HOURS 37

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 3/16	≥ ¼	≥ 0
NO CEILING	22.0	57.0	59.9	61.9	62.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	63.0
≥ 20000	24.0	61.7	64.2	65.2	66.3	66.3	66.3	66.3	66.7	66.7	66.7	66.7	66.7	67.0	67.0	67.4
WV 18000	24.0	62.0	64.9	65.6	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.7
WV 16000	24.0	62.4	64.9	66.0	67.0	67.0	67.0	67.0	67.4	67.4	67.4	67.4	67.4	67.7	67.7	68.1
WV 14000	24.0	62.4	64.9	66.0	67.0	67.0	67.0	67.0	67.4	67.4	67.4	67.4	67.4	67.7	67.7	68.1
WV 12000	24.0	62.7	65.2	66.3	67.4	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.5
WV 10000	25.0	65.6	68.1	69.6	70.6	70.6	70.6	70.6	71.0	71.0	71.0	71.0	71.0	71.3	71.3	71.7
WV 9000	25.1	66.0	68.5	69.9	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.7	71.7	72.0
WV 8000	25.5	67.0	69.5	71.0	72.0	72.0	72.0	72.0	72.4	72.4	72.4	72.4	72.4	73.1	73.1	73.5
WV 7000	25.8	67.4	69.9	71.3	72.4	72.8	72.8	73.1	73.9	73.9	73.9	73.9	73.9	73.8	73.8	74.2
WV 6000	25.2	67.7	71.3	71.7	72.4	73.1	73.1	73.5	73.8	73.8	73.8	73.8	73.8	74.2	74.2	74.6
WV 5000	26.2	68.6	71.3	72.0	73.8	74.2	74.2	74.6	74.9	74.9	74.9	74.9	75.3	75.3	75.3	75.6
WV 4500	26.2	69.9	72.4	73.8	74.9	75.3	75.3	75.6	76.0	76.0	76.0	76.0	76.3	76.3	76.3	76.7
WV 4000	26.2	70.3	72.8	74.2	75.3	75.6	76.0	76.7	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.8
WV 3500	26.0	72.0	74.6	76.0	77.1	77.4	77.4	78.3	78.9	78.9	78.9	78.9	78.9	79.2	79.2	79.6
WV 3000	27.2	73.5	76.3	78.1	79.6	79.9	80.7	81.3	81.4	81.4	81.4	81.4	81.7	81.7	81.7	82.1
WV 2500	27.2	76.0	78.9	80.7	82.1	82.4	82.8	83.5	83.9	83.9	83.9	83.9	84.2	84.2	84.2	84.6
WV 2000	27.6	77.8	80.7	82.4	83.9	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.4
WV 1800	27.6	78.5	81.4	83.2	84.6	85.0	85.3	86.0	86.4	86.4	86.4	86.4	86.7	86.7	86.7	87.1
WV 1500	24.0	80.7	83.0	84.6	87.8	88.2	88.9	89.6	90.0	90.0	90.0	90.0	90.3	90.3	90.3	90.7
WV 1200	28.3	82.4	86.0	88.9	91.3	91.7	91.8	92.1	92.5	92.5	92.5	92.5	92.5	92.8	92.8	93.2
WV 1000	28.3	83.2	86.7	89.6	91.0	91.0	92.5	93.2	93.6	93.6	93.6	93.6	93.9	93.9	93.9	94.3
WV 900	28.3	83.5	87.1	90.0	91.4	91.4	92.7	93.2	93.9	94.3	94.3	94.3	94.6	94.6	94.6	95.0
WV 800	28.3	83.5	87.1	90.0	91.4	91.4	92.7	93.2	93.9	94.3	94.3	94.3	94.6	94.6	94.6	95.0
WV 700	24.3	83.5	87.1	90.0	91.4	91.4	92.7	93.2	93.9	94.3	94.3	94.3	94.6	94.6	94.6	95.0
WV 600	24.3	83.5	87.1	90.0	91.4	91.4	92.7	93.2	93.9	94.3	94.3	94.3	94.6	94.6	94.6	95.0
WV 500	24.3	83.5	87.1	90.0	91.4	91.4	92.7	93.2	93.9	94.3	94.3	94.3	94.6	94.6	94.6	95.0
WV 400	24.3	83.5	87.1	90.0	91.4	91.4	92.7	93.2	93.9	94.3	94.3	94.3	94.6	94.6	94.6	95.0
WV 300	24.3	83.5	87.1	90.0	91.4	91.4	92.7	93.2	93.9	94.3	94.3	94.3	94.6	94.6	94.6	95.0
WV 200	24.3	83.5	87.1	90.0	91.4	91.4	92.7	93.2	93.9	94.3	94.3	94.3	94.6	94.6	94.6	95.0
WV 100	24.3	83.5	87.1	90.0	91.4	91.4	92.7	93.2	93.9	94.3	94.3	94.3	94.6	94.6	94.6	95.0
WV 0	24.3	83.5	87.1	90.0	91.4	91.4	92.7	93.2	93.9	94.3	94.3	94.3	94.6	94.6	94.6	95.0

TOTAL NUMBER OF OBSERVATIONS 279

D.ANAVOCEANMET SMO3

1
4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
EL TORO, CALIFORNIA

YEARS
73-79, 81-82

MONTH
JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 0	≥ 0	
NO CEILING	21.5	56.6	59.1	77.2	62.3	61.3	61.7	61.3	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 2000	22.5	62.7	63.1	64.2	66.5	66.3	66.7	67.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 1800	24.5	61.0	63.4	64.5	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 1600	26.5	61.0	63.4	64.5	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 1400	26.5	61.0	63.4	64.5	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 1200	27.2	63.2	67.7	69.8	71.7	71.0	71.0	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1000	24.1	65.0	69.7	71.3	73.5	73.5	73.5	73.8	73.8	74.2	74.2	74.2	74.6	74.6	74.6	74.9
≥ 800	23.1	65.6	69.7	71.3	73.5	73.5	73.5	73.8	73.8	74.2	74.2	74.2	74.6	74.6	74.6	74.9
≥ 7000	28.3	67.7	71.3	73.5	75.6	76.1	76.1	76.3	76.3	76.7	76.7	76.7	77.1	77.1	77.1	77.8
≥ 6000	28.3	67.7	71.3	73.5	75.6	76.1	76.1	76.3	76.3	76.7	76.7	76.7	77.1	77.1	77.1	77.8
≥ 5000	25.3	67.7	71.3	73.5	75.6	76.1	76.1	76.3	76.3	76.7	76.7	76.7	77.1	77.1	77.1	77.8
≥ 4500	25.3	67.7	71.3	73.5	75.6	76.1	76.1	76.3	76.3	76.7	76.7	76.7	77.1	77.1	77.1	77.8
≥ 4000	25.3	67.7	71.3	73.5	75.6	76.1	76.1	76.3	76.3	76.7	76.7	76.7	77.1	77.1	77.1	77.8
≥ 3500	29.1	70.1	77.2	79.2	81.4	81.7	81.7	82.1	82.1	82.4	82.4	82.4	82.8	82.8	83.2	83.5
≥ 3000	27.1	74.4	77.9	79.2	83.2	83.5	83.5	83.7	83.7	84.2	84.2	84.2	84.6	84.6	85.1	85.3
≥ 2500	29.1	77.1	81.0	83.2	86.4	86.4	86.4	86.7	86.7	87.1	87.1	87.1	87.5	87.5	87.9	88.2
≥ 2000	28.3	74.4	83.5	85.1	89.3	89.3	89.3	89.7	89.7	90.1	90.1	90.1	90.5	90.5	90.9	91.2
≥ 1800	27.2	77.9	83.9	85.4	89.6	89.6	89.6	90.3	90.3	91.0	91.0	91.0	91.8	91.8	91.8	92.5
≥ 1500	29.1	81.7	85.7	88.2	91.4	92.1	92.1	92.8	92.8	93.6	93.6	93.6	93.9	93.9	94.3	94.6
≥ 1200	27.2	82.1	86.7	89.6	93.2	93.9	93.9	95.0	95.0	95.7	95.7	95.7	96.1	96.1	96.4	96.8
≥ 1000	27.2	82.1	86.7	89.6	93.2	93.9	93.9	95.0	95.0	95.7	95.7	95.7	96.1	96.1	96.4	96.8
≥ 900	27.2	82.1	86.7	89.6	93.2	93.9	93.9	95.0	95.0	95.7	95.7	95.7	96.1	96.1	96.4	96.8
≥ 800	27.2	82.1	86.7	89.6	93.2	93.9	93.9	95.0	95.0	95.7	95.7	95.7	96.1	96.1	96.4	96.8
≥ 700	27.2	82.1	86.7	89.6	93.2	93.9	93.9	95.0	95.0	95.7	95.7	95.7	96.1	96.1	96.4	96.8
≥ 600	27.2	82.1	86.7	89.6	93.2	93.9	93.9	95.0	95.0	95.7	95.7	95.7	96.1	96.1	96.4	96.8
≥ 500	29.8	82.8	87.1	90.4	93.9	95.3	95.3	96.4	96.4	97.5	97.5	97.5	97.9	97.9	98.2	98.6
≥ 400	29.8	82.8	87.1	90.4	93.9	95.3	95.3	96.4	96.4	97.5	97.5	97.5	97.9	97.9	98.2	98.6
≥ 300	29.8	82.8	87.1	90.4	93.9	95.3	95.3	96.4	96.4	97.5	97.5	97.5	97.9	97.9	98.2	98.6
≥ 200	29.8	82.8	87.1	90.4	93.9	95.3	95.3	96.4	96.4	97.5	97.5	97.5	97.9	97.9	98.2	98.6
≥ 100	29.8	82.8	87.1	90.4	93.9	95.3	95.3	96.4	96.4	97.5	97.5	97.5	97.9	97.9	98.2	98.6
≥ 0	29.8	82.8	87.1	90.4	93.9	95.3	95.3	96.4	96.4	97.5	97.5	97.5	97.9	97.9	98.2	98.6

TOTAL NUMBER OF OBSERVATIONS 270

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION PAGE

73-74, 81-92

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	51.2	45.1	53.9	54.5	56.6	58.4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 2000	51.2	53.9	59.9	63.8	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
18000	21.4	51.3	60.2	64.2	66.3	68.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
14000	21.4	51.3	60.2	64.2	66.3	68.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
14000	21.4	51.3	60.2	64.2	66.3	68.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
12000	21.4	51.3	60.2	64.2	66.3	68.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
10000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
9000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
8000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
7000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
6000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
5000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
4500	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
4000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
3500	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
3000	22.2	51.9	63.8	68.5	70.6	72.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
2500	27.5	74.8	76.7	82.1	85.7	87.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
2000	27.5	74.8	76.7	82.1	85.7	87.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
1800	27.5	74.8	76.7	82.1	85.7	87.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
1500	27.5	74.8	76.7	82.1	85.7	87.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
1200	27.6	74.9	83.5	90.0	93.7	95.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
1000	27.6	74.9	83.5	90.0	93.7	95.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
900	27.6	74.9	83.5	90.0	93.7	95.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
800	27.6	74.9	83.5	90.0	93.7	95.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
700	27.6	74.9	83.5	90.0	93.7	95.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
600	27.6	74.9	83.5	90.0	93.7	95.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
500	27.6	74.9	83.5	90.0	93.7	95.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
400	27.6	74.9	83.5	90.0	93.7	95.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
300	27.6	74.9	83.5	90.0	93.7	95.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
200	27.6	74.9	83.5	90.0	93.7	95.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
100	27.6	74.9	83.5	90.0	93.7	95.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
0	27.6	74.9	83.5	90.0	93.7	95.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 279

DIRNAVOCEAHMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 11 TOP, CALIFORNIA STATION NO. 1

YEARS 73-79, 81-82

DATE 1/1 MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) 16

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 20000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 18000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 16000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 14000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 12000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 10000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 9000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 8000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 7000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 6000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 5000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 4500	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 4000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 3500	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 3000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 2500	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 2000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 1800	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 1500	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 1200	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 1000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 900	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 800	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 700	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 600	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 500	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 400	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 300	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 200	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 100	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 0	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6

TOTAL NUMBER OF OBSERVATIONS 270

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

YEARS 73-79, 81-82

MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS IN DAY 14

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0	
NO CEILING	22.2	67.4	68.1	68.8	69.2	69.9	70.3	70.3	70.3	70.3	70.6	70.6	70.6	70.6	70.6	70.6
≥ 20000	23.7	71.6	71.7	72.4	72.9	73.5	73.8	73.8	73.8	73.8	74.2	74.2	74.2	74.2	74.2	74.2
18000	23.7	71.6	71.7	72.4	72.9	73.5	73.8	73.8	73.8	73.8	74.2	74.2	74.2	74.2	74.2	74.2
14000	23.7	71.6	71.7	72.4	72.9	73.5	73.8	73.8	73.8	73.8	74.2	74.2	74.2	74.2	74.2	74.2
12000	24.0	72.4	73.1	74.2	74.6	75.3	75.6	75.6	75.6	75.6	76.0	76.0	76.0	76.0	76.0	76.0
10000	24.0	75.3	76.0	77.4	77.8	78.5	78.9	78.9	78.9	78.9	79.2	79.2	79.2	79.2	79.2	79.2
9000	24.0	76.0	76.7	78.1	78.5	79.2	79.6	79.6	79.6	79.6	79.9	79.9	79.9	79.9	79.9	79.9
8000	24.0	77.4	78.5	79.9	80.9	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7
7000	24.7	79.2	80.3	81.7	82.1	82.8	83.2	83.2	83.2	83.2	83.5	83.5	83.5	83.5	83.5	83.5
6000	25.1	79.5	81.0	82.4	82.9	83.5	83.9	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2
5000	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
4500	25.5	81.7	82.8	84.2	84.6	85.3	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
4000	25.5	82.8	83.9	85.3	85.7	86.4	86.7	86.7	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1
3500	25.5	83.2	84.2	85.7	86.0	86.7	87.1	87.1	87.1	87.1	87.5	87.5	87.5	87.5	87.5	87.5
3000	25.5	83.2	84.2	85.7	86.0	86.7	87.1	87.1	87.1	87.1	87.5	87.5	87.5	87.5	87.5	87.5
2500	25.5	86.4	87.5	88.9	89.3	90.0	90.3	90.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7
2000	25.5	88.9	89.9	91.3	91.4	92.1	92.5	92.5	92.5	92.5	92.9	92.9	92.9	92.9	92.9	92.9
1800	25.5	88.9	90.3	91.3	92.1	92.6	93.2	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6
1500	25.5	90.3	91.3	92.6	93.6	94.3	94.6	94.6	94.6	94.6	95.0	95.0	95.0	95.0	95.0	95.0
1200	25.5	91.3	91.8	93.0	93.9	94.6	95.0	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3
1000	25.5	91.3	93.2	95.0	95.7	96.8	97.1	97.1	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5
900	25.5	91.3	93.6	95.3	96.1	97.1	97.5	97.5	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9
800	25.5	91.3	93.6	95.3	96.4	97.5	97.9	97.9	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3
700	25.5	91.3	93.6	95.3	96.4	97.5	97.9	98.2	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6
600	25.5	91.3	93.6	95.3	96.4	97.5	97.9	98.2	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6
500	25.5	91.3	93.6	95.3	96.4	97.5	97.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
400	25.5	91.3	93.6	95.3	96.4	97.5	97.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
300	25.5	91.3	93.6	95.3	96.4	97.5	97.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
200	25.5	91.3	93.6	95.3	96.4	97.5	97.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
100	25.5	91.3	93.6	95.3	96.4	97.5	97.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
0	25.5	91.3	93.6	95.3	96.4	97.5	97.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 279

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, N.

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

73-79,61-92

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

72

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0	
NO CEILING	17.4	57.6	67.4	68.5	70.4	70.6	71.0	71.1	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.7
≥ 20000	27.4	66.2	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
IVIV 18000	27.4	66.2	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
16000	27.4	66.2	69.5	70.6	72.4	72.8	73.1	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.8
IVIV 14000	27.4	67.5	69.9	71.1	73.1	73.1	73.5	73.5	73.5	73.8	73.8	73.8	73.8	73.8	73.8	74.2
12000	27.4	71.0	71.3	72.0	75.3	75.3	75.6	75.6	75.6	75.6	76.0	76.0	76.0	76.0	76.0	76.3
IVIV 10000	27.4	72.8	73.1	74.0	77.1	77.4	77.8	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.5
9000	27.4	73.5	73.5	75.0	77.4	77.8	78.1	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.9
IVIV 8000	21.2	73.8	74.2	75.0	78.5	78.9	79.2	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.9
7000	21.2	74.0	75.0	77.1	79.6	79.9	80.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	81.0
IVIV 6000	21.4	75.6	76.0	77.4	80.3	80.7	81.0	81.0	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.7
5000	22.7	76.1	77.4	79.2	81.7	82.1	82.4	82.4	82.4	82.8	82.8	82.8	82.8	82.8	82.8	83.2
IVIV 4500	22.0	77.1	77.4	79.2	81.7	82.1	82.4	82.4	82.4	82.8	82.8	82.8	82.8	82.8	82.8	83.2
4000	22.0	77.2	79.6	81.4	83.9	84.2	84.6	84.6	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.3
IVIV 3500	23.7	78.7	81.0	82.0	85.3	85.7	86.0	86.0	86.0	86.4	86.4	86.4	86.4	86.4	86.4	86.7
3000	24.0	79.1	82.6	85.0	87.5	87.8	88.2	88.2	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.9
IVIV 2500	24.4	80.4	85.3	87.5	90.7	90.3	90.7	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.4
2000	24.4	80.7	86.7	88.9	91.4	91.8	92.1	92.1	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.8
IVIV 1800	24.4	80.4	87.5	89.6	92.1	92.5	92.8	92.8	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.6
1500	24.4	82.5	88.5	90.7	93.6	93.9	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	95.0
IVIV 1200	24.4	82.3	90.0	92.0	95.7	95.1	96.4	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	97.1
1000	24.4	82.3	90.0	93.2	96.4	96.8	97.2	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.9
IVIV 900	24.4	82.3	91.0	93.9	97.1	97.5	97.9	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.6
800	24.4	82.3	91.0	93.9	97.1	97.5	97.9	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.6
IVIV 700	24.4	82.3	91.0	93.9	97.1	97.5	97.9	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.6
600	24.4	82.3	91.0	93.9	97.1	97.5	97.9	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.6
IVIV 500	24.4	82.3	91.0	93.9	97.1	97.5	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.9
400	24.4	82.3	91.0	93.9	97.1	97.5	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.9
IVIV 300	24.4	82.3	91.0	93.9	97.1	97.5	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.9
200	24.4	82.3	91.0	93.9	97.1	97.5	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.9
IVIV 100	24.4	82.3	91.0	93.9	97.1	97.5	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	99.3
0	24.4	82.3	91.0	93.9	97.1	97.5	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	99.3

TOTAL NUMBER OF OBSERVATIONS

273

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-79, 81-92

YEAR

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	22.2	50.1	62.0	63.7	65.1	65.5	66.0	66.2	66.2	66.3	66.3	66.3	66.5	66.5	66.5	66.6
≥ 20000	23.0	53.7	65.9	67.7	69.3	69.7	70.3	70.5	70.5	70.6	70.6	70.6	70.8	70.8	70.8	71.0
18000	23.0	54.1	66.3	68.0	69.5	70.1	70.6	70.8	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.3
14000	23.0	54.1	66.3	68.0	69.7	70.1	70.6	70.8	70.9	71.0	71.0	71.0	71.1	71.1	71.2	71.3
14000	23.0	54.1	66.3	68.0	70.0	70.4	71.0	71.1	71.2	71.3	71.3	71.3	71.3	71.5	71.5	71.6
12000	23.0	55.5	67.9	70.0	71.8	72.2	72.9	73.1	73.1	73.2	73.2	73.2	73.2	73.4	73.4	73.6
10000	23.0	67.7	70.1	72.4	74.2	74.7	75.4	75.6	75.7	75.6	75.8	75.8	76.0	76.0	76.0	76.1
9000	23.0	67.7	70.3	72.6	74.4	74.9	75.6	75.8	75.8	75.9	76.0	76.0	76.2	76.2	76.2	76.3
8000	24.1	67.5	71.9	74.2	76.1	76.7	77.4	77.6	77.6	77.7	77.8	77.8	78.0	78.0	78.0	78.1
7000	24.3	70.1	72.5	74.9	76.7	77.4	78.2	78.4	78.4	78.5	78.6	78.6	78.8	78.8	78.8	78.9
6000	24.3	70.6	73.3	75.4	77.2	77.9	78.6	78.8	78.9	79.0	79.0	79.0	79.2	79.2	79.3	79.4
5000	24.7	71.5	74.1	76.4	78.3	78.9	79.7	79.9	80.1	80.1	80.1	80.1	80.3	80.3	80.3	80.5
4500	24.7	71.4	74.3	76.7	78.6	79.3	80.0	80.2	80.3	80.4	80.4	80.4	80.6	80.6	80.6	80.8
4000	25.0	73.7	76.2	78.6	80.5	81.1	81.9	82.2	82.3	82.3	82.4	82.4	82.6	82.6	82.6	82.7
3500	25.0	75.6	78.1	80.6	82.5	83.2	84.0	84.3	84.4	84.5	84.5	84.5	84.7	84.7	84.8	84.9
3000	26.2	77.5	79.9	82.5	84.5	85.2	86.0	86.3	86.4	86.5	86.6	86.6	86.7	86.7	86.8	86.9
2500	26.5	79.4	82.2	84.4	86.4	87.6	88.4	88.8	88.8	88.9	89.0	89.0	89.2	89.2	89.2	89.3
2000	26.7	81.2	84.3	86.8	88.9	89.7	90.5	90.9	90.9	91.0	91.1	91.1	91.1	91.3	91.3	91.4
1800	26.9	81.6	84.5	87.3	89.5	90.2	91.1	91.4	91.5	91.6	91.7	91.7	91.8	91.8	91.9	92.0
1500	27.1	83.6	86.5	89.6	91.9	92.7	93.6	94.0	94.0	94.2	94.2	94.2	94.4	94.4	94.4	94.6
1200	27.2	84.6	87.7	90.8	93.2	94.0	94.9	95.3	95.3	95.5	95.6	95.6	95.7	95.7	95.8	95.9
1000	27.2	85.0	88.2	91.4	94.7	94.8	95.7	96.2	96.2	96.4	96.5	96.5	96.6	96.6	96.7	96.9
900	27.2	85.3	88.5	91.8	94.4	95.2	96.1	96.6	96.6	96.8	96.9	96.9	97.0	97.0	97.1	97.3
800	27.2	85.3	88.7	91.8	94.5	95.3	96.2	96.7	96.7	96.9	97.0	97.0	97.2	97.2	97.3	97.4
700	27.2	85.4	88.7	92.0	94.7	95.5	96.4	97.0	97.0	97.2	97.3	97.3	97.5	97.5	97.5	97.7
600	27.2	85.4	88.7	92.0	94.7	95.6	96.5	97.0	97.0	97.3	97.4	97.4	97.6	97.6	97.7	97.9
500	27.2	85.4	88.8	92.2	94.9	95.8	96.8	97.4	97.4	98.0	98.1	98.1	98.3	98.3	98.5	98.6
400	27.2	85.4	88.8	92.2	94.9	95.8	96.9	97.5	97.6	98.2	98.3	98.3	98.6	98.6	98.7	98.9
300	27.2	85.5	88.8	92.2	95.0	95.9	96.9	97.5	97.6	98.3	98.4	98.4	98.8	98.8	98.9	99.1
200	27.2	85.5	88.8	92.2	95.0	95.9	96.9	97.5	97.6	98.3	98.5	98.5	99.0	99.0	99.2	99.5
100	27.2	85.5	88.8	92.2	95.0	95.9	96.9	97.5	97.6	98.4	98.6	98.6	99.0	99.0	99.4	99.7
0	27.2	85.5	88.8	92.2	95.0	95.9	96.9	97.5	97.6	98.4	98.6	98.6	99.0	99.0	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2231

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
 CI TOPD, CALIFORNIA

YEARS
 73-79, 81-82

MONTH
 FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	19.4	31.3	62.7	65.2	67.6	67.6	67.6	66.8	69.8	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 20000	19.4	33.6	65.2	67.6	70.0	70.0	70.0	70.8	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 18000	19.4	33.6	65.2	67.6	70.0	70.0	70.0	70.8	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 14000	19.4	33.6	65.2	67.6	70.0	70.0	70.0	70.8	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 14000	19.4	35.2	66.8	69.2	71.5	71.5	71.9	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 12000	19.4	35.2	66.8	69.2	71.5	71.5	71.9	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 10000	19.4	36.4	68.0	70.4	72.7	72.7	73.5	73.9	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 9000	19.4	36.4	68.0	70.4	72.7	72.7	73.5	73.9	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 8000	19.8	67.2	68.8	71.2	73.5	73.5	74.3	74.7	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 7000	19.8	67.6	69.2	71.5	73.9	73.9	74.7	75.1	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 5000	19.8	68.0	69.6	71.9	74.3	74.3	75.1	75.5	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 5000	21.1	69.2	70.8	73.1	75.5	75.5	76.3	76.7	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 4500	21.1	70.8	72.5	73.9	76.3	76.3	77.1	77.5	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 4000	21.1	71.2	73.5	75.9	78.3	78.3	79.1	79.5	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3500	21.5	71.9	73.5	75.9	78.3	78.3	79.1	79.5	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3000	21.5	73.1	74.7	77.1	79.5	79.5	80.2	80.6	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 2500	21.5	73.5	75.5	77.9	80.2	80.2	81.0	81.4	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 2000	21.5	74.7	76.3	78.7	81.0	81.0	81.8	82.2	82.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	21.5	75.1	76.7	79.1	81.4	81.4	82.2	82.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1500	21.7	77.5	79.5	81.8	84.2	84.2	85.0	85.4	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1700	21.7	77.5	79.5	81.8	84.2	84.2	85.0	85.4	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1000	21.7	81.2	82.6	85.0	88.1	88.1	88.9	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 900	21.7	81.2	83.8	87.1	89.3	89.3	90.1	90.5	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 800	21.7	81.8	83.8	87.1	89.3	89.3	90.1	90.5	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 700	21.7	81.4	84.2	87.4	89.7	89.7	90.9	91.7	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 600	21.7	81.8	85.0	88.1	90.9	90.9	92.1	92.9	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 500	21.7	81.8	85.4	88.9	91.7	91.7	93.3	94.5	94.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 400	21.7	81.8	85.4	89.7	92.9	92.9	94.5	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300	21.7	81.8	85.4	89.7	92.9	92.9	94.5	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200	21.7	81.8	85.4	89.7	92.9	92.9	94.5	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 100	21.7	81.8	85.4	89.7	92.9	92.9	94.5	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 0	21.7	81.8	85.4	89.7	92.9	92.9	94.5	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS 253

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

CL TORG, CALIFORNIA

73-79, 81-82

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

174

NUMBER (L, R, V)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	19.8	50.9	57.7	61.5	63.2	63.2	63.2	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 20000	21.2	52.3	53.6	64.0	67.2	67.2	67.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 18000	20.2	52.5	63.6	64.0	67.2	67.2	67.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000	20.2	52.5	63.6	64.0	67.2	67.2	67.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 14000	21.2	53.2	64.4	65.4	68.0	68.0	68.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 12000	21.2	53.4	64.4	65.2	68.0	68.0	68.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 10000	20.6	64.4	65.6	66.4	69.2	69.2	69.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 9000	20.0	64.4	65.6	66.4	69.2	69.2	69.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 8000	21.0	65.2	66.4	67.2	70.0	70.0	70.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 7000	21.0	65.2	66.4	67.2	70.0	70.0	70.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 6000	21.0	65.2	66.4	67.2	70.0	70.0	70.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 5000	21.3	66.0	67.2	68.0	70.8	70.8	70.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4500	21.7	66.6	68.2	68.4	71.5	71.5	71.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000	21.7	66.6	68.2	68.4	71.5	71.5	71.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	22.1	67.6	71.0	71.5	74.3	74.3	74.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	22.5	71.9	73.1	73.7	76.7	76.7	76.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 2500	22.5	75.1	76.3	77.4	79.8	79.8	79.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 2000	22.5	76.7	78.3	78.1	82.2	82.2	82.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1800	22.5	77.1	78.7	79.4	83.7	83.0	83.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1500	22.5	77.5	81.0	82.6	85.8	85.8	85.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1200	22.7	80.2	81.8	83.8	86.6	86.6	86.6	87.8	87.8	87.8	87.8	87.8	88.1	88.1	88.1
≥ 1000	22.7	82.6	84.2	85.8	88.9	88.9	88.9	90.1	90.1	90.1	90.1	90.1	90.5	90.5	90.5
≥ 900	22.7	83.0	84.6	86.2	89.3	89.3	89.3	90.5	90.5	90.5	90.5	90.5	90.9	90.9	90.9
≥ 800	22.7	83.4	85.0	86.6	89.7	89.7	89.7	90.9	90.9	90.9	90.9	90.9	91.3	91.3	91.3
≥ 700	22.7	83.8	85.4	87.4	90.9	90.9	90.9	91.3	92.5	92.5	92.5	92.5	92.9	92.9	92.9
≥ 600	22.7	83.8	85.4	87.4	90.9	90.9	90.9	91.3	92.5	92.5	92.5	92.5	92.9	92.9	92.9
≥ 500	22.9	84.2	85.8	88.2	92.5	92.5	92.5	94.1	94.1	94.1	94.1	94.1	94.5	94.5	94.5
≥ 400	22.9	84.2	85.8	88.9	92.9	92.9	92.9	93.3	94.5	94.5	94.5	94.5	95.3	95.3	95.3
≥ 300	22.9	84.2	86.2	89.3	93.3	93.3	93.3	94.9	94.9	94.9	94.9	94.9	95.7	95.7	95.7
≥ 200	22.7	84.2	86.2	89.7	93.7	93.7	93.7	94.1	95.3	95.3	95.3	95.3	96.1	96.1	96.1
≥ 100	22.7	84.2	86.2	89.7	93.7	93.7	93.7	94.1	95.3	95.3	95.3	95.3	96.1	96.1	96.1
0	22.7	84.2	85.2	89.7	93.7	93.7	93.7	94.1	95.3	95.3	95.3	95.3	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

253

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TOPO, CALIFORNIA

STATION NAME

73-79, 81-92

YEAR

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 0	
NO CEILING	20.6	54.6	55.7	51.4	57.3	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	20.6	56.1	61.1	61.7	61.7	62.1	62.1	62.5	62.5	62.5	62.9	62.9	62.9	62.9	62.9	62.9
IV 18000	20.6	50.9	61.9	62.5	62.5	62.9	62.9	63.2	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6
IV 14000	20.6	50.9	61.9	62.5	62.5	62.9	62.9	63.2	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6
IV 14000	20.6	50.9	61.9	62.5	62.5	62.9	62.9	63.2	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6
IV 12000	21.7	50.9	62.4	64.4	64.4	64.8	64.8	65.2	65.2	65.2	65.6	65.6	65.6	65.6	65.6	65.6
IV 10000	22.1	53.6	65.6	67.2	67.2	67.6	67.6	68.0	68.0	68.0	68.4	68.4	68.4	68.4	68.4	68.4
IV 9000	22.1	54.0	66.1	67.6	67.6	68.0	68.0	68.4	68.4	68.4	68.8	68.8	68.8	68.8	68.8	68.8
IV 8000	22.1	54.0	66.8	68.8	68.8	69.2	69.2	69.6	69.6	69.6	70.0	70.0	70.0	70.0	70.0	70.0
IV 7000	22.1	55.2	67.7	69.2	69.2	69.6	69.6	70.0	70.0	70.0	70.4	70.4	70.4	70.4	70.4	70.4
IV 6000	22.1	55.6	67.6	69.6	69.6	70.0	70.0	70.4	70.4	70.4	70.8	70.8	70.8	70.8	70.8	70.8
IV 5000	22.1	56.0	68.1	70.4	70.4	70.8	70.8	71.2	71.2	71.2	71.6	71.6	71.6	71.6	71.6	71.6
IV 4500	22.1	56.4	68.4	70.8	70.8	71.2	71.2	71.6	71.6	71.6	72.0	72.0	72.0	72.0	72.0	72.0
IV 4000	22.1	56.8	68.8	71.2	71.2	71.6	71.6	72.0	72.0	72.0	72.4	72.4	72.4	72.4	72.4	72.4
IV 3500	22.1	57.2	69.2	71.6	71.6	72.0	72.0	72.4	72.4	72.4	72.8	72.8	72.8	72.8	72.8	72.8
IV 3000	22.1	57.6	69.6	72.0	72.0	72.4	72.4	72.8	72.8	72.8	73.2	73.2	73.2	73.2	73.2	73.2
IV 2500	22.1	58.0	70.0	72.4	72.4	72.8	72.8	73.2	73.2	73.2	73.6	73.6	73.6	73.6	73.6	73.6
IV 2000	23.3	74.3	76.3	79.5	79.5	80.2	80.2	80.6	80.6	80.6	81.0	81.0	81.0	81.0	81.0	81.0
IV 1800	23.3	74.7	76.7	79.9	79.9	80.6	80.6	81.0	81.0	81.0	81.4	81.4	81.4	81.4	81.4	81.4
IV 1500	23.3	75.1	77.1	80.3	80.3	81.0	81.0	81.4	81.4	81.4	81.8	81.8	81.8	81.8	81.8	81.8
IV 1200	23.3	75.5	77.5	80.7	80.7	81.4	81.4	81.8	81.8	81.8	82.2	82.2	82.2	82.2	82.2	82.2
IV 1000	23.3	75.9	77.9	81.1	81.1	81.8	81.8	82.2	82.2	82.2	82.6	82.6	82.6	82.6	82.6	82.6
IV 900	23.3	76.3	78.3	81.5	81.5	82.2	82.2	82.6	82.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0
IV 800	23.3	76.7	78.7	81.9	81.9	82.6	82.6	83.0	83.0	83.0	83.4	83.4	83.4	83.4	83.4	83.4
IV 700	23.3	77.1	79.1	82.3	82.3	83.0	83.0	83.4	83.4	83.4	83.8	83.8	83.8	83.8	83.8	83.8
IV 600	23.3	77.5	79.5	82.7	82.7	83.4	83.4	83.8	83.8	83.8	84.2	84.2	84.2	84.2	84.2	84.2
IV 500	23.3	77.9	79.9	83.1	83.1	83.8	83.8	84.2	84.2	84.2	84.6	84.6	84.6	84.6	84.6	84.6
IV 400	23.3	78.3	80.3	83.5	83.5	84.2	84.2	84.6	84.6	84.6	85.0	85.0	85.0	85.0	85.0	85.0
IV 300	23.3	78.7	80.7	83.9	83.9	84.6	84.6	85.0	85.0	85.0	85.4	85.4	85.4	85.4	85.4	85.4
IV 200	23.3	79.1	81.1	84.3	84.3	85.0	85.0	85.4	85.4	85.4	85.8	85.8	85.8	85.8	85.8	85.8
IV 100	23.3	79.5	81.5	84.7	84.7	85.4	85.4	85.8	85.8	85.8	86.2	86.2	86.2	86.2	86.2	86.2
IV 0	23.3	79.9	81.9	85.1	85.1	85.8	85.8	86.2	86.2	86.2	86.6	86.6	86.6	86.6	86.6	86.6

TOTAL NUMBER OF OBSERVATIONS

43

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TURO, CALIFORNIA

73-79,81-82

FEB

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	17.0	47.4	51.2	53.4	55.3	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 20000	20.2	50.6	53.4	56.9	59.3	60.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	62.1
≥ 18000	20.2	50.6	54.2	56.4	60.5	62.1	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.2
≥ 16000	20.2	51.4	54.2	58.1	62.5	62.1	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.2
≥ 14000	21.2	52.2	54.9	58.9	61.3	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	64.0	64.0
≥ 12000	21.2	53.0	55.7	59.7	62.1	63.6	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.8	64.8
≥ 10000	21.0	54.6	57.3	61.3	64.7	65.6	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.8	66.8
≥ 9000	21.0	54.6	57.3	61.3	64.7	65.6	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.8	66.8
≥ 8000	21.0	54.6	57.3	61.3	64.7	65.6	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.8	66.8
≥ 7000	21.0	54.6	57.3	61.3	64.7	65.6	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.8	66.8
≥ 6000	21.7	54.1	61.3	65.6	68.8	70.4	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.5	71.5
≥ 5000	21.7	54.1	61.3	65.6	68.8	70.4	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.5	71.5	71.9
≥ 4500	22.1	57.7	62.9	67.4	70.4	71.9	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1	73.1
≥ 4000	22.5	60.4	64.7	68.4	71.5	73.1	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.3	74.3	74.3
≥ 3500	22.4	62.9	65.6	70.4	73.5	75.1	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.3	76.3	76.3
≥ 3000	24.5	66.8	70.0	74.7	77.9	79.5	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.6	80.6	80.6
≥ 2500	24.5	67.4	72.7	77.7	81.0	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.8	83.8	83.8
≥ 2000	24.5	70.8	75.1	80.6	84.6	86.2	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.4	87.4	87.4
≥ 1800	24.5	71.2	75.5	81.0	85.2	87.0	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.9	88.9	88.9
≥ 1500	24.4	73.1	78.7	85.4	89.7	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.5	92.5	92.5
≥ 1200	24.5	73.5	78.1	86.2	90.5	92.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.7	93.7	93.7
≥ 1000	24.4	74.3	79.9	87.6	92.5	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.7	95.7	95.7
≥ 900	24.4	74.3	79.9	87.6	92.5	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.7	95.7	95.7
≥ 800	24.4	74.3	79.9	87.6	92.5	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.7	95.7	95.7
≥ 700	24.4	74.3	79.9	87.6	92.5	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.7	95.7	95.7
≥ 600	24.4	74.3	79.9	87.6	92.5	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.7	95.7	95.7
≥ 500	24.4	74.3	79.9	87.6	92.5	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.7	95.7	95.7
≥ 400	24.4	74.3	79.9	87.6	92.5	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.7	95.7	95.7
≥ 300	24.4	74.3	79.9	87.6	92.5	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.7	95.7	95.7
≥ 200	24.4	74.3	79.9	87.6	92.5	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.7	95.7	95.7
≥ 100	24.4	74.3	79.9	87.6	92.5	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.7	95.7	95.7
≥ 0	24.4	74.3	79.9	87.6	92.5	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.7	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS 253

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL YOPU, CALIFORNIA STATION NAME

73-79,81-32 YEARS

PER MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 20000	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 18000	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 16000	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 14000	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 12000	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 10000	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 9000	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 8000	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 7000	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 6000	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 5000	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 4500	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 4000	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 3500	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 3000	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 2500	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 2000	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 1800	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 1500	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 1200	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 1000	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 900	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 800	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 700	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 600	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 500	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 400	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 300	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 200	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 100	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 0	47.6	52.5	54.2	55.1	56.5	58.5	60.9	63.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8

TOTAL NUMBER OF OBSERVATIONS 253

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-79, 81-82

YEAR

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 3 1/4	≥ 3	≥ 2 1/4	≥ 2 1/4	≥ 2 1/4	≥ 2	≥ 2	≥ 1 3/4	≥ 1 3/4	≥ 1 3/4	≥ 1 1/4
NO CEILING	18.0	33.0	50.6	57.5	58.5	59.7	60.5	60.7	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 20000	19.0	36.0	53.0	53.0	64.8	66.8	66.8	67.2	67.2	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 18000	19.0	36.0	60.0	64.0	65.6	66.8	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 14000	17.0	36.0	61.0	64.0	64.0	67.0	68.0	68.0	68.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 14000	19.0	60.0	62.0	66.0	67.6	68.0	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 12000	21.0	64.0	65.0	68.0	70.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 10000	21.0	64.0	66.0	71.0	72.0	74.0	75.0	75.0	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 9000	21.0	64.0	68.0	71.0	72.0	74.0	75.0	75.0	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 8000	21.0	66.0	70.0	73.0	74.0	76.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 7000	21.0	66.0	70.0	73.0	75.0	76.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 4000	21.0	66.0	71.0	73.0	75.0	76.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 3000	21.0	66.0	71.0	76.0	77.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3000	21.0	66.0	71.0	76.0	77.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3000	21.0	66.0	71.0	76.0	77.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 2500	22.0	70.0	83.0	83.0	89.0	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2000	22.0	70.0	84.0	87.0	91.0	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1800	22.0	70.0	85.0	89.0	91.0	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1500	22.0	70.0	85.0	89.0	91.0	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1200	22.0	70.0	86.0	91.0	92.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000	22.0	70.0	87.0	92.0	93.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 900	22.0	70.0	87.0	92.0	93.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	22.0	70.0	87.0	92.0	93.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 700	22.0	70.0	87.0	92.0	94.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 600	22.0	70.0	87.0	92.0	94.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 500	22.0	70.0	87.0	92.0	94.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 400	22.0	70.0	87.0	92.0	94.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 300	22.0	70.0	87.0	92.0	94.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 200	22.0	70.0	87.0	92.0	94.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 100	22.0	70.0	87.0	92.0	94.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 0	22.0	70.0	87.0	92.0	94.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

253

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME EL TORO, CALIFORNIA

YEARS 73-79, 81-82

MONTH FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	17.8	63.6	65.2	66.0	68.1	68.4	69.2	69.0	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 20000	12.0	57.2	69.2	71.9	71.9	72.7	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 18000	12.0	67.2	69.6	71.2	72.3	73.1	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 16000	12.0	67.2	69.6	71.2	72.3	73.1	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 14000	12.0	67.2	69.6	71.2	72.3	73.1	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 12000	12.0	67.2	69.6	71.2	72.3	73.1	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 10000	12.0	67.2	69.6	71.2	72.3	73.1	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 9000	12.0	67.2	69.6	71.2	72.3	73.1	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 8000	21.5	73.1	75.5	77.1	78.3	79.1	79.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 7000	21.5	73.1	75.5	77.1	78.3	79.1	79.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 6000	21.5	73.1	75.5	77.1	78.3	79.1	79.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 5000	21.5	73.1	75.5	77.1	78.3	79.1	79.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 4500	21.5	73.1	75.5	77.1	78.3	79.1	79.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 4000	21.5	73.1	75.5	77.1	78.3	79.1	79.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 3500	21.5	73.1	75.5	77.1	78.3	79.1	79.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 3000	22.5	74.2	81.4	83.4	84.6	85.4	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2500	22.5	74.2	81.4	83.4	84.6	85.4	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2000	22.5	74.2	81.4	83.4	84.6	85.4	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1800	22.5	74.2	81.4	83.4	84.6	85.4	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1500	22.5	74.2	81.4	83.4	84.6	85.4	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1200	22.5	74.2	81.4	83.4	84.6	85.4	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1000	22.5	74.2	81.4	83.4	84.6	85.4	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 900	22.5	74.2	81.4	83.4	84.6	85.4	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 800	22.5	74.2	81.4	83.4	84.6	85.4	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 700	22.5	74.2	81.4	83.4	84.6	85.4	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 600	22.5	74.2	81.4	83.4	84.6	85.4	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 500	22.5	74.2	81.4	83.4	84.6	85.4	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 400	22.5	74.2	81.4	83.4	84.6	85.4	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 300	22.5	74.2	81.4	83.4	84.6	85.4	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 200	22.5	74.2	81.4	83.4	84.6	85.4	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 100	22.5	74.2	81.4	83.4	84.6	85.4	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 0	22.5	74.2	81.4	83.4	84.6	85.4	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8

TOTAL NUMBER OF OBSERVATIONS

43

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: EL TORO, CALIFORNIA

PERIOD: 13-79, 01-32

FEET

STATION

STATION NAME

YEAR

MORSE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.4	11.3	63.2	54.9	66.7	56.4	67.2	67.0	67.0	66.4	61.4	68.9	63.4	68.4	69.4	53.4
≥ 20000	21.2	63.4	69.2	70.4	71.9	72.3	73.1	73.5	73.5	74.3	74.3	74.3	74.7	74.7	74.7	74.7
≥ 18000	20.2	66.4	66.7	70.4	71.9	72.3	73.1	73.5	73.5	74.3	74.3	74.3	74.7	74.7	74.7	74.7
≥ 16000	20.2	66.4	66.7	70.4	71.9	72.3	73.1	73.5	73.5	74.3	74.3	74.3	74.7	74.7	74.7	74.7
≥ 14000	20.8	66.4	70.2	71.2	72.7	73.1	73.9	74.3	74.3	75.0	75.1	75.1	75.3	75.5	75.5	75.5
≥ 12000	20.6	67.0	70.8	71.9	73.5	74.4	74.7	75.1	75.1	75.9	75.9	75.9	76.3	76.3	76.3	76.3
≥ 10000	21.3	70.9	73.9	73.1	74.7	75.1	75.9	76.3	76.3	77.1	77.1	77.1	77.5	77.5	77.5	77.5
≥ 9000	21.3	71.2	72.3	73.5	75.1	75.5	76.3	76.7	76.7	77.5	77.5	77.5	77.9	77.9	77.9	77.9
≥ 8000	21.7	72.3	73.5	74.7	76.3	76.7	77.5	77.9	77.9	78.7	78.7	78.7	79.1	79.1	79.1	79.1
≥ 7000	21.7	73.5	74.7	75.9	77.5	77.9	78.7	79.1	79.1	79.8	79.8	79.8	80.2	80.2	80.2	80.2
≥ 6000	21.7	74.3	75.5	76.7	78.3	78.7	79.5	79.8	79.8	80.6	80.6	80.6	81.0	81.0	81.0	81.0
≥ 5000	22.1	74.7	75.9	77.1	78.7	79.1	79.8	80.2	80.2	81.0	81.0	81.0	81.4	81.4	81.4	81.4
≥ 4500	22.9	75.5	76.7	77.9	79.5	79.8	80.6	81.0	81.0	81.8	81.8	81.8	82.2	82.2	82.2	82.2
≥ 4000	23.3	76.3	77.5	78.7	80.3	80.6	81.4	81.8	81.8	82.6	82.6	82.6	83.0	83.0	83.0	83.0
≥ 3500	23.3	76.3	77.5	78.7	80.3	80.6	81.4	81.8	81.8	82.6	82.6	82.6	83.0	83.0	83.0	83.0
≥ 3000	23.7	77.1	78.3	79.5	81.1	81.4	82.2	82.6	82.6	83.4	83.4	83.4	83.8	83.8	83.8	83.8
≥ 2500	24.1	77.9	79.1	80.3	81.9	82.2	83.0	83.4	83.4	84.2	84.2	84.2	84.6	84.6	84.6	84.6
≥ 2000	24.1	78.7	80.3	81.5	83.1	83.4	84.2	84.6	84.6	85.4	85.4	85.4	85.8	85.8	85.8	85.8
≥ 1800	24.1	79.5	81.1	82.3	83.9	84.2	85.0	85.4	85.4	86.2	86.2	86.2	86.6	86.6	86.6	86.6
≥ 1600	24.1	80.3	81.9	83.1	84.7	85.0	85.8	86.2	86.2	87.0	87.0	87.0	87.4	87.4	87.4	87.4
≥ 1400	24.1	81.1	82.7	83.9	85.5	85.8	86.6	87.0	87.0	87.8	87.8	87.8	88.2	88.2	88.2	88.2
≥ 1200	24.1	81.9	83.5	84.7	86.3	86.6	87.4	87.8	87.8	88.6	88.6	88.6	89.0	89.0	89.0	89.0
≥ 1000	24.1	82.7	84.3	85.5	87.1	87.4	88.2	88.6	88.6	89.4	89.4	89.4	89.8	89.8	89.8	89.8
≥ 900	24.1	83.5	85.1	86.3	87.9	88.2	89.0	89.4	89.4	90.2	90.2	90.2	90.6	90.6	90.6	90.6
≥ 800	24.1	84.3	85.9	87.1	88.7	89.0	89.8	90.2	90.2	91.0	91.0	91.0	91.4	91.4	91.4	91.4
≥ 700	24.1	85.1	86.7	87.9	89.5	89.8	90.6	91.0	91.0	91.8	91.8	91.8	92.2	92.2	92.2	92.2
≥ 600	24.1	85.9	87.5	88.7	90.3	90.6	91.4	91.8	91.8	92.6	92.6	92.6	93.0	93.0	93.0	93.0
≥ 500	24.1	86.7	88.3	89.5	91.1	91.4	92.2	92.6	92.6	93.4	93.4	93.4	93.8	93.8	93.8	93.8
≥ 400	24.1	87.5	89.1	90.3	91.9	92.2	93.0	93.4	93.4	94.2	94.2	94.2	94.6	94.6	94.6	94.6
≥ 300	24.1	88.3	89.9	91.1	92.7	93.0	93.8	94.2	94.2	95.0	95.0	95.0	95.4	95.4	95.4	95.4
≥ 200	24.1	89.1	90.7	91.9	93.5	93.8	94.6	95.0	95.0	95.8	95.8	95.8	96.2	96.2	96.2	96.2
≥ 100	24.1	90.3	91.5	92.7	94.3	94.6	95.4	95.8	95.8	96.6	96.6	96.6	97.0	97.0	97.0	97.0
≥ 0	24.1	91.1	92.3	93.5	95.1	95.4	96.2	96.6	96.6	97.4	97.4	97.4	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS

FORM NO. 1, FEBRUARY 1965

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
EL YUQU, CALIFORNIA

DATE
23-29, 21-82

MONTH
FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	27.4	55.4	57.1	57.7	51.7	52.1	42.6	62.4	63.1	63.2	53.3	63.3	63.3	63.4	63.4	63.4
IV 20000	12.7	6.1	62.4	64.5	66.1	66.9	67.6	68.2	68.1	68.3	68.4	68.4	68.5	68.5	68.5	68.5
IV 18000	11.8	6.4	62.7	64.7	66.5	67.4	68.1	68.5	68.6	68.8	68.9	68.9	69.0	69.0	69.0	69.0
IV 16000	11.5	6.9	62.7	64.7	66.7	67.4	68.1	68.6	68.7	68.9	68.9	69.0	69.1	69.1	69.1	69.1
IV 14000	11.7	6.1	62.8	64.8	67.0	68.4	69.1	69.5	69.6	69.8	69.9	69.9	70.0	70.0	70.0	70.0
IV 12000	21.7	6.8	64.9	66.9	68.5	69.4	70.1	70.5	70.6	70.8	70.8	70.9	71.0	71.0	71.0	71.0
IV 10000	21.7	53.3	66.7	66.5	71.4	71.2	71.9	72.4	72.4	72.7	72.7	72.8	72.8	72.9	72.9	72.9
IV 8000	21.7	53.3	66.4	66.7	71.5	71.7	72.1	72.5	72.5	72.8	72.8	72.8	72.9	72.9	72.9	72.9
IV 7000	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 6000	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 5000	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 4500	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 4000	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 3500	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 3000	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 2500	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 2000	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 1800	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 1500	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 1200	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 1000	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 900	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 800	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 700	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 600	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 500	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 400	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 300	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 200	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 100	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 0	21.7	53.2	67.4	71.1	71.7	72.7	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4

TOTAL NUMBER OF OBSERVATIONS 777

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: 1L T000, CALIFORNIA YEAR: 73-82 MONTH: 4A

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
≥ 2000	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
18000	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
14000	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
14000	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
13000	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
10000	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
9000	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
8000	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
7000	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
6000	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
5000	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
4500	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
4000	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
3500	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
3000	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
2500	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
2000	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
1800	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
1500	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
1200	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
1000	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
900	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
800	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
700	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
600	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
500	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
400	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
300	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
200	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
100	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7
0	15.1	1.7	0.7	0.7	61.7	60.7	21.0	61.3	21.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7

TOTAL NUMBER OF OBSERVATIONS 312

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: S. TOWN, CALIFORNIA

YEARS: 73-82

MONTH: MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TIME OF DAY
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0.16	≥ 0	≥ 0
NO CEILING	10.2	17.6	57.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8
IV 20000	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 18000	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 14000	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 14000	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 12000	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 10000	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 9000	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 8000	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 7000	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 6000	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 5000	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 4500	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 4000	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 3500	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 3000	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 2500	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 2000	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 1800	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 1500	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 1200	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 1000	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 900	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 800	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 700	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 600	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 500	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 400	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 300	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 200	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 100	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8
IV 0	11.5	16.9	61.2	61.5	62.1	62.7	62.8	63.1	63.2	63.4	63.4	63.4	63.8	63.8	63.8	63.8

TOTAL NUMBER OF OBSERVATIONS 309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

FLYING, CALIFORNIA

73-82

MAR

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	¾	≥ 0
NO CEILING	17.1	12.0	54.2	55.5	55.8	55.0	55.0	55.8	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.8
≥ 20000	17.4	54.2	56.8	58.1	58.4	59.4	58.4	58.4	59.7	59.0	59.7	59.0	59.0	59.0	59.0	59.4
IVM 18000	17.4	55.5	57.4	58.7	59.7	59.1	59.0	59.7	59.4	59.7	59.7	59.7	59.7	59.7	59.7	60.0
IVM 14000	17.4	55.5	57.4	58.7	59.7	59.1	59.0	59.7	59.4	59.7	59.7	59.7	59.7	59.7	59.7	60.0
IVM 14000	17.4	55.5	57.7	59.0	60.0	60.0	60.0	60.0	60.3	60.7	60.7	60.7	60.7	60.7	60.7	61.0
IVM 12000	18.1	56.8	59.0	60.3	61.3	61.3	61.3	61.3	61.6	62.3	62.3	62.3	62.3	62.3	62.3	62.6
IVM 10000	18.1	56.7	61.0	62.3	63.2	63.2	63.2	63.2	63.6	64.2	64.2	64.2	64.2	64.2	64.2	64.5
IVM 9000	18.1	56.7	61.0	62.3	63.2	63.2	63.2	63.2	63.6	64.2	64.2	64.2	64.2	64.2	64.2	64.5
IVM 8000	18.1	60.3	62.6	63.9	65.2	65.2	65.2	65.2	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.5
IVM 7000	18.1	60.7	62.9	64.2	65.5	65.5	65.5	65.5	66.1	66.8	66.8	66.8	66.8	66.8	66.8	67.1
IVM 6000	18.1	61.0	63.9	65.2	66.8	66.8	67.1	67.1	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.4
IVM 5000	18.1	63.2	65.5	66.8	68.4	68.4	68.7	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.0
IVM 4500	18.1	63.9	66.1	67.4	69.7	69.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.7
IVM 4000	18.1	66.1	68.4	70.0	71.6	71.6	71.9	71.9	72.3	72.9	72.9	72.9	72.9	72.9	72.9	73.2
IVM 3500	18.1	67.7	70.0	71.6	73.2	73.2	73.6	73.6	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.8
IVM 3000	18.1	70.0	72.9	74.5	76.1	76.1	76.5	76.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.7
IVM 2500	18.1	73.9	76.1	77.7	79.4	79.4	79.7	79.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	81.0
IVM 2000	18.1	77.1	79.4	81.0	83.6	83.6	83.9	83.9	84.2	84.8	84.8	84.8	84.8	84.8	84.8	85.2
IVM 1800	18.1	77.7	81.0	82.6	84.2	84.2	84.5	84.5	84.9	85.5	85.5	85.5	85.5	85.5	85.5	85.8
IVM 1500	18.1	81.0	83.6	85.2	87.7	87.7	89.4	89.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IVM 1200	18.1	81.6	84.2	85.8	88.4	88.4	91.6	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.9
IVM 1000	18.1	81.6	85.2	87.7	90.0	90.0	93.9	94.2	94.2	94.5	95.2	95.2	95.2	95.2	95.2	95.5
IVM 900	18.1	81.6	85.8	88.4	91.6	91.6	93.9	94.5	94.8	95.2	95.2	95.2	95.2	95.2	95.2	96.1
IVM 800	18.1	82.3	86.1	88.4	91.6	91.6	93.9	94.8	95.2	95.2	95.5	96.1	96.1	96.1	96.1	96.8
IVM 700	18.1	82.3	86.1	88.4	91.6	91.6	93.9	94.8	95.2	95.2	95.5	96.1	96.1	96.1	96.1	96.8
IVM 600	18.1	82.3	86.1	88.4	91.6	91.6	93.9	94.8	95.2	95.2	95.5	96.1	96.1	96.1	96.1	96.8
IVM 500	18.1	82.3	86.1	88.4	91.6	91.6	93.9	94.8	95.2	95.2	95.5	96.1	96.1	96.1	96.1	96.8
IVM 400	18.1	82.3	86.1	88.4	91.6	91.6	93.9	94.8	95.2	95.2	95.5	96.1	96.1	96.1	96.1	96.8
IVM 300	18.1	82.3	86.1	88.4	91.6	91.6	93.9	94.8	95.2	95.2	95.5	96.1	96.1	96.1	96.1	96.8
IVM 200	18.1	82.3	86.1	88.4	91.6	91.6	93.9	94.8	95.2	95.2	95.5	96.1	96.1	96.1	96.1	96.8
IVM 100	18.1	82.3	86.1	88.4	91.6	91.6	93.9	94.8	95.2	95.2	95.5	96.1	96.1	96.1	96.1	96.8
IVM 0	18.1	82.3	86.1	88.4	91.6	91.6	93.9	94.8	95.2	95.2	95.5	96.1	96.1	96.1	96.1	96.8

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

MO

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0	
NO CEILING	15.8	43.5	47.7	48.7	51.7	51.6	51.6	51.6	51.6	51.9	51.9	51.9	51.9	52.3	52.3	52.3
IV 20000	15.8	43.5	51.6	52.0	54.8	55.5	55.5	55.5	55.5	55.8	55.8	55.8	55.8	56.1	56.1	56.1
IV 18000	15.8	49.7	51.9	52.7	55.2	55.2	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5
IV 14000	15.8	52.3	53.2	53.2	55.5	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.8	56.8
IV 14000	15.8	52.3	53.2	53.2	55.5	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.8	56.8
IV 12000	15.1	51.0	53.9	54.8	57.1	57.7	58.1	58.1	58.1	58.8	58.8	58.8	58.8	58.7	58.7	58.7
IV 10000	15.5	52.6	54.8	55.8	58.1	58.7	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.7	59.7	59.7
IV 9000	16.5	52.0	54.8	55.8	58.1	58.7	59.7	59.7	59.7	59.4	59.4	59.4	59.4	59.7	59.7	59.7
IV 8000	16.8	53.9	56.1	57.1	59.4	60.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	61.0	61.0	61.0
IV 7000	16.8	54.5	56.8	57.7	60.7	60.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.6	61.6	61.6
IV 6000	16.8	55.3	58.1	59.4	61.3	61.9	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.9	62.9	62.9
IV 5000	17.1	56.1	60.7	61.0	63.7	64.5	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.5	65.5	65.5
IV 4500	17.1	56.7	61.3	62.3	64.5	65.2	65.5	65.5	65.8	65.8	65.8	65.8	65.8	66.1	66.1	66.1
IV 4000	17.1	56.7	63.2	64.2	66.5	67.1	67.4	67.4	67.7	67.7	67.7	67.7	67.7	68.1	68.1	68.1
IV 3500	17.7	63.2	65.8	66.8	69.0	69.7	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.7	70.7	70.7
IV 3000	17.7	60.1	71.7	71.7	74.2	74.8	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.8	75.8	75.8
IV 2500	19.7	74.2	76.8	78.4	81.7	81.3	81.6	81.6	81.9	81.9	81.9	81.9	81.9	82.3	82.3	82.3
IV 2000	20.0	73.1	81.6	83.6	85.9	86.5	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.4	87.4	87.4
IV 1800	20.0	77.7	83.2	85.2	87.4	88.1	88.3	88.3	88.7	88.7	88.7	88.7	88.7	89.0	89.0	89.0
IV 1500	20.3	83.6	87.4	91.3	93.6	94.2	94.5	94.5	94.8	94.8	94.8	94.8	94.8	95.2	95.2	95.2
IV 1200	21.3	82.9	88.1	91.6	94.2	94.6	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.8	95.8	95.8
IV 1000	21.3	84.8	89.4	93.2	96.1	97.1	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.4	98.4	98.4
IV 900	21.3	85.5	91.0	94.2	97.1	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4
IV 800	21.3	85.5	91.0	94.2	97.1	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4
IV 700	21.3	85.5	90.3	94.2	97.1	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.7	99.7	99.7
IV 600	20.3	85.8	90.3	94.5	97.4	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
IV 500	21.3	85.8	90.3	94.5	97.4	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
IV 400	21.3	85.8	91.3	94.5	97.4	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
IV 300	21.3	85.8	91.3	94.5	97.4	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
IV 200	21.3	85.8	91.3	94.5	97.4	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
IV 100	20.3	85.8	90.3	94.5	97.4	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
IV 0	20.3	85.8	90.3	94.5	97.4	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMSO

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION FL TORO, CALIFORNIA

YEAR 73-82

MONTH 10

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING	10.5	47.7	53.2	54.3	55.5	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 20000	15.8	54.2	57.7	59.7	62.7	61.1	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 18000	16.3	54.4	58.7	63.7	61.6	61.9	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 14000	16.5	55.2	59.0	61.0	61.9	62.3	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 14000	16.5	55.5	59.4	61.3	62.3	62.6	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 12000	17.1	56.8	61.7	62.6	63.6	63.9	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 10000	18.1	58.4	61.9	63.9	64.8	65.2	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 9000	18.1	58.1	61.9	63.9	64.8	65.2	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 8000	18.1	57.0	62.9	65.2	66.1	66.5	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 7000	18.4	57.4	63.2	65.5	66.5	66.8	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 6000	18.4	57.4	63.3	66.1	67.1	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 5000	18.4	57.6	65.5	67.7	68.7	69.0	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 4500	18.4	62.3	66.1	68.4	69.4	69.7	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 4000	18.4	64.5	68.8	70.7	71.6	71.9	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 3500	19.4	64.4	72.6	74.4	75.8	76.1	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 3000	21.7	72.6	77.1	79.4	80.3	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 2500	21.7	80.3	84.8	87.1	88.1	88.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2000	21.6	84.8	89.7	92.3	93.2	93.6	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1800	21.6	84.8	89.7	92.3	93.2	93.6	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500	21.6	87.1	91.9	94.5	95.5	95.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1200	21.7	88.1	93.2	95.3	96.3	97.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1000	21.7	88.4	93.6	96.1	97.1	97.4	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	21.7	88.7	94.2	96.8	97.7	98.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	21.7	88.7	94.2	96.8	97.7	98.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	21.7	88.7	94.2	97.1	98.1	98.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	21.7	88.7	94.2	97.1	98.1	98.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	21.7	88.7	94.2	97.1	98.1	98.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	21.7	88.7	94.2	97.1	98.1	98.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	21.7	88.7	94.2	97.1	98.1	98.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	21.7	88.7	94.2	97.1	98.1	98.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	21.7	88.7	94.2	97.1	98.1	98.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	21.7	88.7	94.2	97.1	98.1	98.4	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TUPO, CALIFORNIA

73-82

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.7	50.4	57.7	53.1	58.4	58.4	59.4	58.4	59.4	58.4	58.4	58.4	58.4	58.4	59.4	58.4
IV 20000	14.4	52.3	64.2	64.5	60.8	64.8	64.8	64.8	64.8	64.8	64.8	65.2	65.2	65.2	65.2	65.2
IV 18000	18.4	62.3	64.2	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.2	65.2	65.2	65.2	65.2
IV 16000	18.4	62.3	64.2	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.2	65.2	65.2	65.2	65.2
IV 14000	18.4	62.3	64.2	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.2	65.2	65.2	65.2	65.2
IV 12000	19.4	64.2	66.1	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.1	67.1	67.1	67.1	67.1
IV 10000	19.4	65.5	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.7	68.7	68.7	68.7	68.7
IV 9000	19.4	65.5	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.7	68.7	68.7	68.7	68.7
IV 8000	19.4	66.1	68.4	68.8	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.7	69.7	69.7	69.7	69.7
IV 7000	19.4	66.5	69.7	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0
IV 6000	19.7	66.4	69.4	69.7	70.3	70.4	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3
IV 5000	20.0	66.4	70.7	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9
IV 4500	20.0	67.4	71.3	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6
IV 4000	21.3	72.3	74.5	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8
IV 3500	21.3	73.6	75.8	76.5	76.8	76.8	76.8	76.8	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1
IV 3000	22.9	79.7	82.3	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6
IV 2500	23.2	84.5	87.1	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4
IV 2000	23.6	88.7	91.6	92.0	92.9	92.9	93.2	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6
IV 1800	23.6	89.4	92.3	93.2	93.6	93.6	93.9	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500	24.2	91.6	94.8	95.4	96.1	96.1	96.5	96.5	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8
IV 1200	24.2	92.3	95.5	96.5	96.8	96.8	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	24.2	93.2	96.5	97.4	97.7	97.7	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	24.2	93.0	96.8	97.7	98.4	98.4	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	24.2	93.6	96.8	97.7	98.4	98.4	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	24.2	93.9	97.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	24.2	93.9	97.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	24.2	93.9	97.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	24.2	93.9	97.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	24.2	93.9	97.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	24.2	93.9	97.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	24.2	93.9	97.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	24.2	93.9	97.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET 105

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

FL TOPO, CALIFORNIA

73-82

MAR

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
NOVEMBER 1973

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	17.4	53.4	58.4	57.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.7	59.7	59.7	59.7
IV 20000	18.1	63.7	63.7	64.5	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.5	65.5	65.5	65.5
IV 18000	18.1	63.7	63.7	64.5	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.5	65.5	65.5	65.5
IV 14000	18.1	64.2	64.2	64.5	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.8	65.8	65.8	65.8
IV 12000	18.1	64.8	64.8	65.5	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.5	66.5	66.5	66.5
IV 10000	18.7	68.1	68.1	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 9000	18.7	68.7	68.7	69.4	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3
IV 8000	19.7	71.0	71.9	72.0	72.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.6	73.6	73.6	73.6
IV 7000	19.7	72.0	72.0	73.2	73.5	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.2	74.2	74.2	74.2
IV 6000	19.7	72.0	72.9	73.6	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.5	74.5	74.5	74.5
IV 5000	20.7	75.2	75.5	76.1	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.1	77.1	77.1	77.1
IV 4500	20.7	75.2	75.5	76.1	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.1	77.1	77.1	77.1
IV 4000	20.7	77.7	78.1	78.7	79.0	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.7	79.7	79.7	79.7
IV 3500	21.6	80.3	80.7	81.3	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.3	82.3	82.3	82.3
IV 3000	21.6	83.0	83.9	84.5	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.5	85.5	85.5	85.5
IV 2500	22.6	87.4	89.7	90.3	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3	91.3	91.3
IV 2000	22.6	89.3	91.6	92.3	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.2	93.2	93.2	93.2
IV 1800	22.9	92.0	92.9	93.6	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.5	94.5	94.5	94.5
IV 1500	23.2	94.5	94.8	95.5	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.5	96.5	96.5	96.5
IV 1200	23.2	95.5	96.1	96.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7
IV 1000	23.2	96.8	97.4	98.1	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0
IV 900	23.2	96.8	97.4	98.1	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0
IV 800	23.2	97.1	97.7	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4
IV 700	23.2	97.4	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7
IV 600	23.2	97.4	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7
IV 500	23.2	97.4	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7
IV 400	23.2	97.4	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7
IV 300	23.2	97.4	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7
IV 200	23.2	97.4	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7
IV 100	23.2	97.4	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7
IV 0	23.2	97.4	98.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: LL TCRG, CALIFORNIA YEAR: 73-82 MONTH: 72
STATION NAME YEAR MONTH HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 20000	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 18000	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 16000	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 14000	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 12000	67.4	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 10000	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 9000	69.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 8000	71.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 7000	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 6000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 5000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 4500	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 4000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 3500	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 3000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 2500	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 2000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 1800	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1500	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1200	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 900	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 800	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 700	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 600	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 500	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 300	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

73-82

PAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	16.7	55.9	57.1	57.0	58.3	58.3	58.4	58.5	59.6	59.0	58.7	58.7	58.8	58.4	58.3	58.8
IV 20000	17.0	59.3	60.5	61.2	61.3	61.9	62.1	62.2	62.3	62.4	62.5	62.5	62.6	62.6	62.6	62.7
IV 18000	17.0	59.6	61.0	61.0	62.2	62.3	62.5	62.7	62.7	62.8	62.9	62.9	63.0	63.0	63.0	63.1
IV 16000	17.0	59.7	61.0	61.7	62.3	62.4	62.6	62.7	62.8	62.9	63.0	63.0	63.1	63.1	63.1	63.1
IV 14000	17.7	59.9	61.3	62.4	62.7	62.8	63.0	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.5
IV 12000	17.4	61.1	62.3	63.2	63.7	63.9	64.1	64.2	64.3	64.4	64.5	64.5	64.6	64.6	64.6	64.7
IV 10000	17.8	64.0	64.1	64.7	65.4	65.5	65.7	65.9	66.0	66.1	66.2	66.2	66.3	66.3	66.3	66.3
IV 9000	17.8	62.8	64.2	64.9	65.6	65.7	65.9	66.1	66.2	66.3	66.4	66.4	66.5	66.5	66.5	66.5
IV 8000	18.3	64.2	65.6	66.4	67.1	67.2	67.5	67.7	67.7	67.9	67.9	67.9	68.1	68.1	68.1	68.1
IV 7000	18.1	64.7	66.2	66.7	67.7	67.8	68.1	68.2	68.3	68.4	68.5	68.5	68.6	68.6	68.6	68.7
IV 6000	18.1	65.4	66.9	67.7	68.4	68.5	68.8	69.0	69.1	69.2	69.3	69.3	69.4	69.4	69.4	69.4
IV 5000	18.4	67.4	68.9	69.7	70.5	70.6	70.9	71.0	71.1	71.2	71.3	71.3	71.4	71.4	71.4	71.5
IV 4500	18.4	67.8	69.3	70.1	70.9	71.0	71.3	71.4	71.5	71.6	71.7	71.7	71.8	71.8	71.8	71.9
IV 4000	18.8	70.5	72.0	72.8	73.6	73.7	74.0	74.1	74.2	74.3	74.4	74.4	74.6	74.6	74.6	74.6
IV 3500	18.4	72.7	74.3	75.1	75.9	76.0	76.3	76.4	76.5	76.6	76.7	76.7	76.9	76.9	76.9	76.9
IV 3000	20.2	77.1	78.7	79.2	80.3	80.4	80.7	80.8	80.9	81.0	81.1	81.1	81.2	81.2	81.2	81.3
IV 2500	21.6	81.3	83.5	84.4	85.1	85.2	85.5	85.7	85.8	85.9	86.0	86.0	86.1	86.1	86.1	86.1
IV 2000	20.9	84.6	86.7	87.9	88.7	88.8	89.1	89.3	89.4	89.5	89.5	89.6	89.7	89.7	89.7	89.8
IV 1800	21.0	85.5	87.5	88.6	89.4	89.5	89.8	90.0	90.1	90.2	90.3	90.3	90.4	90.4	90.4	90.5
IV 1500	21.3	86.5	90.6	92.1	92.9	93.1	93.4	93.6	93.7	93.8	93.9	93.9	94.0	94.0	94.0	94.1
IV 1200	21.4	87.6	91.4	93.4	94.4	94.6	95.0	95.2	95.3	95.4	95.5	95.5	95.6	95.6	95.6	95.7
IV 1000	21.5	88.3	93.2	94.4	96.3	96.3	96.7	96.9	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.4
IV 900	21.0	91.2	93.7	95.4	96.5	96.9	97.3	97.5	97.6	97.7	97.8	97.8	97.9	97.9	97.9	98.1
IV 800	21.5	91.3	93.9	95.6	96.9	97.2	97.6	97.8	97.9	98.1	98.1	98.1	98.3	98.3	98.3	98.4
IV 700	21.5	91.5	94.2	95.9	97.1	97.5	97.9	98.1	98.1	98.4	98.5	98.5	98.6	98.6	98.6	98.7
IV 600	21.5	91.6	94.3	96.1	97.4	97.7	98.1	98.4	98.4	98.6	98.8	98.8	98.9	98.9	98.9	99.0
IV 500	21.5	91.7	94.4	96.2	97.5	97.8	98.2	98.4	98.5	98.6	98.6	98.9	98.9	99.0	99.0	99.1
IV 400	21.5	91.7	94.4	96.2	97.5	97.9	98.3	98.5	98.6	98.9	99.0	99.0	99.2	99.2	99.2	99.4
IV 300	21.4	91.7	94.4	96.2	97.5	97.9	98.4	98.6	98.7	99.0	99.1	99.1	99.3	99.3	99.4	99.5
IV 200	21.5	91.7	94.4	96.2	97.5	97.9	98.4	98.6	98.7	99.0	99.2	99.2	99.4	99.4	99.5	99.7
IV 100	21.5	91.7	94.4	96.2	97.5	97.9	98.4	98.6	98.7	99.0	99.2	99.2	99.4	99.4	99.5	99.8
IV 0	21.5	91.7	94.4	96.2	97.5	97.9	98.4	98.6	98.7	99.0	99.2	99.2	99.4	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2479

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

73-37

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02

HOURLY (P.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.7	12.0	13.5	13.7	13.7	13.7	14.3	14.3	14.3	14.3	14.7	14.7	14.7	14.7	14.7	14.7
IV 20000	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 18000	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 16000	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 14000	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 12000	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 10000	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 9000	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 8000	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 7000	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 6000	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 5000	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 4500	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 4000	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 3500	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 3000	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 2500	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 2000	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 1800	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 1500	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 1200	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 1000	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 900	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 800	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 700	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 600	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 500	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 400	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 300	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 200	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 100	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7
IV 0	14.7	13.0	14.3	14.7	14.7	14.7	15.3	15.3	15.3	15.3	15.7	15.7	15.7	15.7	15.7	15.7

TOTAL NUMBER OF OBSERVATIONS 500

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: LL YORO, CALIFORNIA YEAR: 73-82 MONTH: APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0	
NO CEILING	14.3	15.0	55.3	55.7	55.7	55.7	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.3	56.3
≥ 20000	18.3	56.7	57.0	57.3	57.3	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.0	58.0
IV 18000	13.3	56.7	57.0	57.3	57.3	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.0	58.0
IV 14000	18.3	56.7	57.0	57.3	57.3	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.0	58.0
IV 12000	18.3	56.7	57.0	57.3	57.3	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.0	58.0
IV 10000	18.3	56.7	57.0	57.3	57.3	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.0	58.0
IV 9000	18.3	56.7	57.0	57.3	57.3	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.0	58.0
IV 8000	18.7	60.3	60.7	61.0	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7	61.7
IV 7000	18.7	60.3	60.7	61.0	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7	61.7
IV 6000	19.7	61.3	61.7	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.7	62.7
IV 5000	19.7	61.3	61.7	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.7	62.7
IV 4500	19.7	61.3	61.7	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.7	62.7
IV 4000	19.7	61.3	61.7	62.0	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.7	62.7
IV 3500	20.0	63.7	64.0	64.3	64.3	64.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	65.0	65.0
IV 3000	20.7	67.7	68.0	68.3	68.3	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.0	69.0
IV 2500	21.7	71.0	71.7	72.0	72.0	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.7	72.7
IV 2000	22.0	75.0	76.3	76.7	76.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.3	77.3
IV 1800	22.0	75.0	76.3	76.7	76.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.3	77.3
IV 1500	23.3	80.7	81.7	82.0	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.7	82.7
IV 1200	23.3	81.3	83.0	83.3	83.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.0	84.0
IV 1000	23.3	86.7	87.7	88.7	89.3	89.3	89.3	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
IV 900	23.3	87.7	89.3	90.3	91.0	91.0	91.0	91.3	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0
IV 800	23.3	86.7	89.7	90.7	91.7	91.7	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.7	92.7
IV 700	23.3	86.7	90.3	91.0	92.0	92.0	92.0	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.3	93.3
IV 600	23.3	87.0	90.7	92.0	93.0	93.0	93.0	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.3	94.3
IV 500	23.3	87.3	91.0	92.3	93.3	93.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.0	95.0
IV 400	23.3	87.3	91.3	93.0	94.3	94.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.3	96.3
IV 300	23.3	87.3	91.3	93.0	94.3	94.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.3	96.3
IV 200	27.3	87.3	91.3	93.0	94.3	94.3	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.7	96.7
IV 100	23.3	87.3	91.3	93.0	94.3	94.3	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.7	96.7
IV 0	23.3	87.3	91.3	93.0	94.3	94.3	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION FL TOPG, CALIFORNIA

77-42

APR

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	¾	≥ 0
NO CEILING	15.3	40.7	51.7	52.3	52.3	52.3	52.3	52.3	52.3	52.7	52.7	52.7	52.7	52.7	53.0	53.0
≥ 20000	15.7	40.7	53.0	52.7	53.7	53.7	53.7	53.7	53.7	54.0	54.0	54.0	54.0	54.0	54.3	54.3
IV 18000	15.7	50.0	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.7	54.7
IV 16000	15.7	50.0	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.7	54.7
IV 14000	15.7	50.0	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.7	54.7
IV 12000	15.7	50.0	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.7	54.7
IV 10000	15.7	52.3	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.7	56.7	56.7	56.7	56.7	57.0	57.0
IV 9000	15.7	52.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.3	57.3
IV 8000	17.0	54.0	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.3	58.3	58.3	58.3	58.3	58.7	58.7
IV 7000	17.0	54.0	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.7	58.7	58.7	58.7	58.7	59.0	59.0
IV 6000	17.7	54.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.3	59.3
IV 5000	17.7	56.0	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.3	60.3	60.3	60.3	60.3	60.7	60.7
IV 4500	17.7	56.7	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.3	60.3	60.3	60.3	60.3	60.7	60.7
IV 4000	17.7	57.7	61.0	61.7	61.7	61.7	61.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.3	62.3
IV 3500	18.0	57.7	62.0	62.7	62.7	62.7	62.7	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.3	63.3
IV 3000	18.0	58.0	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.7	63.7	63.7	63.7	63.7	64.0	64.0
IV 2500	18.0	60.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.7	73.7	73.7	73.7	73.7	74.0	74.0
IV 2000	20.7	72.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	78.0	78.0
IV 1800	20.0	72.7	77.7	79.3	79.3	79.3	79.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	80.0	80.0
IV 1500	20.0	73.7	79.7	81.0	81.7	82.0	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.7	82.7
IV 1200	20.3	75.0	82.7	84.3	84.7	85.0	85.0	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.7	85.7
IV 1000	20.3	77.3	85.7	86.7	87.0	87.0	87.0	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.7	87.7
IV 900	20.3	77.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	88.0	88.0
IV 800	20.3	77.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	88.0	88.0
IV 700	20.3	77.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	88.0	88.0
IV 600	20.3	77.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	88.0	88.0
IV 500	20.3	77.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	88.0	88.0
IV 400	20.3	77.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	88.0	88.0
IV 300	20.3	77.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	88.0	88.0
IV 200	20.3	77.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	88.0	88.0
IV 100	20.3	77.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	88.0	88.0
IV 0	20.3	77.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	88.0	88.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: EL TORO, CALIFORNIA YEAR: 13-22 MONTH: SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	15.7	53.7	55.7	56.3	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 20000	15.7	53.7	55.7	56.3	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVY 18000	15.7	53.7	55.7	56.3	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVY 16000	15.7	53.7	55.7	56.3	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVY 14000	15.7	53.7	55.7	56.3	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVY 12000	15.7	53.7	55.7	56.3	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVY 10000	15.7	53.7	55.7	56.3	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVY 9000	15.7	53.7	55.7	56.3	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVY 8000	15.7	53.7	55.7	56.3	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVY 7000	15.7	53.7	55.7	56.3	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVY 6000	15.7	53.7	55.7	56.3	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVY 5000	15.7	53.7	55.7	56.3	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVY 4500	15.7	53.7	55.7	56.3	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVY 4000	15.7	53.7	55.7	56.3	56.3	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVY 3500	19.7	65.0	69.0	70.3	71.7	71.7	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IVY 3000	19.7	65.0	69.0	70.3	71.7	71.7	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IVY 2500	21.7	75.0	80.7	82.0	83.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVY 2000	21.7	75.0	80.7	82.0	83.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVY 1800	21.7	75.0	80.7	82.0	83.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVY 1500	21.7	75.0	80.7	82.0	83.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVY 1200	21.7	75.0	80.7	82.0	83.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVY 1000	21.7	75.0	80.7	82.0	83.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVY 900	21.7	75.0	80.7	82.0	83.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVY 800	21.7	75.0	80.7	82.0	83.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVY 700	21.7	75.0	80.7	82.0	83.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVY 600	21.7	75.0	80.7	82.0	83.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVY 500	21.7	75.0	80.7	82.0	83.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVY 400	21.7	75.0	80.7	82.0	83.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVY 300	21.7	75.0	80.7	82.0	83.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVY 200	21.7	75.0	80.7	82.0	83.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVY 100	21.7	75.0	80.7	82.0	83.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVY 0	21.7	75.0	80.7	82.0	83.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

FL TORO, CALIFORNIA

73-82

APR

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13

GROUP 11.5.7

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/4	≥ 0
NO CEILING	10.7	59.3	63.0	65.3	66.3	66.3	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	16.7	63.0	66.7	69.3	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 18000	16.7	63.0	66.7	69.3	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 16000	16.7	63.0	66.7	69.3	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 14000	16.7	63.0	66.7	69.3	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 12000	17.0	63.7	67.3	70.0	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 10000	17.0	64.3	68.0	70.7	71.7	71.7	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 9000	17.0	64.3	68.0	70.7	71.7	71.7	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	17.7	65.3	69.0	71.7	72.7	72.7	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 7000	17.7	65.3	69.0	71.7	72.7	72.7	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 6000	18.0	65.7	69.3	72.0	73.0	73.0	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 5000	18.0	67.3	71.0	73.0	74.0	74.0	74.0	74.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 4500	18.0	68.0	71.7	74.0	75.0	75.0	75.0	75.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4000	19.0	70.7	74.3	77.0	78.0	78.0	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 3500	21.0	75.0	78.7	81.0	82.0	82.0	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 3000	22.0	81.0	85.0	87.0	88.0	88.0	88.0	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2500	22.0	85.0	89.0	92.0	93.0	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 2000	22.0	85.0	89.0	95.0	96.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1800	22.0	85.0	89.0	96.0	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1500	23.0	90.0	94.0	97.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1200	23.0	90.0	94.0	97.0	99.0	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	23.0	90.0	94.0	97.0	99.0	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	23.0	90.0	94.0	97.0	99.0	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	23.0	90.0	94.0	97.0	99.0	99.0	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	23.0	90.0	94.0	97.0	99.0	99.0	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	23.0	90.0	94.0	97.0	99.0	99.0	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	23.0	90.0	94.0	97.0	99.0	99.0	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	23.0	90.0	94.0	97.0	99.0	99.0	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	23.0	90.0	94.0	97.0	99.0	99.0	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	23.0	90.0	94.0	97.0	99.0	99.0	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	23.0	90.0	94.0	97.0	99.0	99.0	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	23.0	90.0	94.0	97.0	99.0	99.0	99.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOC, NMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

73-82

APR

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	21.7	64.9	67.2	69.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 30000	21.7	66.0	71.2	73.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 18000	21.7	66.6	71.2	73.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 16000	21.7	68.9	71.2	73.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 14000	21.7	68.9	71.2	74.3	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 12000	21.7	69.9	72.6	75.3	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 10000	21.7	70.9	73.6	76.3	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 9000	21.7	70.9	73.6	76.3	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 8000	21.7	71.6	74.3	76.9	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 7000	21.7	72.2	74.9	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 6000	21.7	72.9	75.6	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 5000	22.3	74.3	76.9	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4500	22.3	74.6	77.3	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 4000	22.3	76.9	79.6	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 3500	23.8	80.3	82.9	85.6	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 3000	24.4	83.6	86.3	89.9	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 2500	24.4	88.3	91.0	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2000	24.4	91.3	94.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1800	25.1	91.6	94.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1500	25.4	93.3	95.7	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1200	25.4	93.0	95.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	25.4	93.3	96.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	25.4	93.3	96.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	25.4	93.3	96.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	25.4	93.3	96.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	25.4	93.3	96.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	25.4	93.3	96.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	25.4	93.3	96.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	25.4	93.3	96.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	25.4	93.3	96.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	25.4	93.3	96.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	25.4	93.3	96.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: EL TORO, CALIFORNIA YEAR: 73-82 MONTH: APR
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOUR: 19

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3/4	≥ 2	≥ 1 1/4	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	18.7	67.3	65.3	65.3	69.3	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 20000	18.7	7.3	71.7	71.7	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 18000	19.7	7.3	72.7	72.0	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 16000	19.7	7.3	72.7	72.0	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 14000	19.7	7.3	72.7	72.0	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 12000	19.7	7.3	72.7	72.0	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 10000	19.7	7.3	75.0	75.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 9000	19.7	7.3	75.0	75.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 8000	19.7	7.3	75.0	75.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 7000	19.7	7.3	75.0	75.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 6000	19.7	7.3	75.0	75.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 5000	19.7	7.3	75.0	75.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 4500	19.7	7.3	77.7	77.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4000	19.7	7.3	77.7	77.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3500	21.7	81.7	83.3	83.3	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 3000	22.7	85.7	87.3	87.3	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2500	22.7	89.0	90.7	90.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2000	23.0	92.0	93.7	93.7	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1800	23.0	92.0	93.7	93.7	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1500	23.0	93.3	95.0	95.0	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	23.3	94.0	96.3	96.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	23.3	95.0	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	23.3	95.0	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	23.3	95.0	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	23.3	95.0	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	23.3	95.0	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	23.3	95.0	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	23.3	95.0	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 300	23.3	95.0	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 200	23.3	95.0	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 100	23.3	95.0	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 0	23.3	95.0	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	20.3	66.4	67.0	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 20000	20.3	66.4	67.3	67.3	67.3	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 18000	20.3	66.7	67.7	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 16000	20.3	66.7	67.7	67.7	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 14000	20.3	67.0	68.0	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 12000	20.3	67.3	68.3	68.3	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 10000	20.3	67.3	68.3	68.3	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 9000	20.3	67.3	68.3	68.3	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 8000	20.7	67.7	68.7	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 7000	20.7	68.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 6000	20.7	68.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 5000	20.7	69.7	70.7	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4500	20.7	70.0	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4000	20.7	71.0	72.0	72.0	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 3500	21.0	74.0	75.0	75.0	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 3000	22.7	76.0	79.0	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 2500	22.7	81.0	82.3	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 2000	23.0	85.7	85.0	85.0	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1800	23.7	85.7	87.0	87.0	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1500	24.0	87.7	91.0	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1200	24.0	90.3	91.7	92.3	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1000	24.0	92.3	94.0	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 900	24.0	92.3	94.0	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 800	24.0	93.0	95.0	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 700	24.0	93.7	95.7	96.3	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 600	24.0	94.3	97.0	97.7	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	24.0	94.7	97.7	98.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	24.0	95.7	97.7	98.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	24.0	95.7	97.7	98.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	24.0	95.7	97.7	98.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	24.0	95.7	97.7	98.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	24.0	94.7	97.7	98.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-82

APR

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	13.6	57.2	61.2	62.1	62.6	62.6	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 20000	13.7	61.4	63.6	64.0	65.1	65.1	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6
IV 18000	18.2	61.5	63.7	64.7	65.2	65.2	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.7	65.7
IV 16000	18.2	61.5	63.7	64.7	65.2	65.2	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.7	65.7
IV 14000	18.2	61.8	64.0	65.0	65.5	65.5	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0
IV 12000	18.3	62.4	64.7	65.7	66.2	66.2	66.4	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.7	66.7
IV 10000	18.3	63.4	65.6	66.6	67.1	67.1	67.3	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.6	67.6
IV 9000	18.3	63.4	65.7	66.7	67.2	67.2	67.4	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.7	67.7
IV 8000	18.7	64.2	66.4	67.4	67.9	67.9	68.2	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.5	68.5
IV 7000	18.8	64.6	66.8	67.8	68.3	68.3	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.8	68.8
IV 6000	19.9	64.4	67.0	68.0	68.5	68.5	68.7	68.8	68.8	68.9	68.9	68.9	68.9	68.9	69.0	69.0
IV 5000	19.2	66.2	68.5	69.5	70.7	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 4500	19.3	66.6	68.8	69.8	70.3	70.3	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.8	70.8
IV 4000	19.7	68.4	70.6	71.6	72.1	72.1	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6
IV 3500	20.4	70.9	73.2	74.2	74.7	74.7	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.2	75.2
IV 3000	21.4	75.5	77.8	79.0	79.3	79.3	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8
IV 2500	22.0	77.4	81.9	82.9	83.4	83.4	83.6	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.9	83.9
IV 2000	22.4	83.1	85.9	87.0	87.5	87.5	87.7	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.1	88.1
IV 1800	22.6	85.7	86.5	87.6	88.1	88.2	88.4	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.7	88.7
IV 1500	22.8	86.0	89.1	90.4	91.1	91.2	91.4	91.5	91.5	91.6	91.7	91.7	91.7	91.7	91.8	91.8
IV 1200	23.1	86.8	90.3	91.6	92.6	92.8	93.0	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.4	93.4
IV 1000	23.1	88.5	92.1	93.4	95.7	95.3	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.0
IV 900	23.1	88.6	92.5	94.3	95.5	95.7	96.0	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.5	96.5
IV 800	23.1	89.0	92.8	94.4	95.9	96.1	96.5	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.1	97.1
IV 700	23.1	89.3	93.0	95.0	96.3	96.5	97.0	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.5	97.5
IV 600	23.1	89.5	93.3	95.3	96.8	97.0	97.5	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.0
IV 500	23.1	89.5	93.5	95.5	97.1	97.5	98.0	98.2	98.3	98.4	98.5	98.5	98.5	98.5	98.6	98.6
IV 400	23.1	89.5	93.5	95.7	97.4	97.7	98.3	98.5	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9
IV 300	23.1	89.5	93.5	95.7	97.5	97.8	98.5	98.8	98.8	98.9	99.0	99.0	99.0	99.1	99.2	99.3
IV 200	23.1	89.5	93.5	95.7	97.5	97.8	98.5	98.8	98.9	99.1	99.3	99.3	99.4	99.4	99.5	99.5
IV 100	23.1	89.5	93.5	95.7	97.5	97.8	98.5	98.8	98.9	99.1	99.4	99.4	99.4	99.6	99.6	99.9
IV 0	23.1	89.5	93.5	95.7	97.5	97.8	98.5	98.8	98.9	99.1	99.4	99.4	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2399

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

73-52

YEAR

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

DATE

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	4.4	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.4	38.4	38.4	38.4	38.4	38.4
≥ 20000	4.8	38.1	38.1	38.1	38.4	38.4	38.4	38.4	38.4	38.4	38.7	38.7	38.7	38.7	38.7	38.7
≥ 18000	4.8	38.7	38.7	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.4	39.4	39.4	39.4	39.4	39.4
≥ 16000	4.8	38.7	38.7	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.4	39.4	39.4	39.4	39.4	39.4
≥ 14000	4.8	38.7	38.7	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.4	39.4	39.4	39.4	39.4	39.4
≥ 12000	4.8	38.7	38.7	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.4	39.4	39.4	39.4	39.4	39.4
≥ 10000	4.8	38.7	38.7	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.4	39.4	39.4	39.4	39.4	39.4
≥ 8000	4.8	39.0	39.0	39.0	39.4	39.4	39.4	39.4	39.4	39.4	39.7	39.7	39.7	39.7	39.7	39.7
≥ 7000	4.8	39.4	39.4	39.4	39.7	39.7	39.7	39.7	39.7	39.7	40.0	40.0	40.0	40.0	40.0	40.0
≥ 6000	4.8	39.4	39.4	39.4	39.7	39.7	39.7	39.7	39.7	39.7	40.0	40.0	40.0	40.0	40.0	40.0
≥ 5000	4.8	39.4	39.4	39.4	39.7	39.7	39.7	39.7	39.7	39.7	40.0	40.0	40.0	40.0	40.0	40.0
≥ 4500	5.2	39.7	39.7	39.7	40.0	40.0	40.0	40.0	40.0	40.0	40.3	40.3	40.3	40.3	40.3	40.3
≥ 4000	5.6	41.0	41.0	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.6	41.6	41.6	41.6	41.6	41.6
≥ 3500	5.6	44.5	44.5	44.5	44.8	44.8	44.8	44.8	44.8	44.8	45.2	45.2	45.2	45.2	45.2	45.2
≥ 3000	5.6	48.1	48.1	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.7	48.7	48.7	48.7	48.7	48.7
≥ 2500	6.8	53.2	53.2	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9
≥ 2000	6.8	58.4	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	59.1	59.1	59.1	59.1	59.1	59.1
≥ 1800	6.8	60.7	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3
≥ 1600	6.8	70.3	70.3	70.3	71.6	71.6	71.6	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3
≥ 1400	6.8	75.8	75.8	75.8	77.1	77.1	77.1	77.1	77.1	77.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1200	6.8	82.6	82.6	82.6	85.2	85.2	85.2	85.2	85.2	85.2	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1000	6.8	83.6	83.6	83.6	86.1	86.1	86.1	86.1	86.1	86.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 900	6.8	83.6	83.6	83.6	86.1	86.1	86.1	86.1	86.1	86.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 800	6.8	83.6	83.6	83.6	86.1	86.1	86.1	86.1	86.1	86.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 700	6.8	84.8	84.8	84.8	88.1	88.1	88.1	88.1	88.1	88.1	91.0	91.0	91.0	91.0	91.0	91.0
≥ 600	6.8	86.1	86.1	86.1	89.7	89.7	89.7	89.7	89.7	89.7	92.9	92.9	92.9	92.9	92.9	92.9
≥ 500	6.8	86.5	86.5	86.5	91.0	91.0	91.0	91.0	91.0	91.0	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400	6.8	87.1	87.1	87.1	91.9	91.9	91.9	91.9	91.9	91.9	95.8	95.8	95.8	95.8	95.8	95.8
≥ 300	6.8	87.1	87.1	87.1	92.3	92.3	92.3	92.3	92.3	92.3	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200	6.8	87.1	87.1	87.1	92.3	92.3	92.3	92.3	92.3	92.3	96.1	96.1	96.1	96.1	96.1	96.1
≥ 100	6.8	87.1	87.1	87.1	92.3	92.3	92.3	92.3	92.3	92.3	96.1	96.1	96.1	96.1	96.1	96.1
≥ 0	6.8	87.1	87.1	87.1	92.3	92.3	92.3	92.3	92.3	92.3	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

4 MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 0	≥ 6	≥ 8	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	4.5	24.7	31.5	31.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	31.0	31.0	31.7	31.7
≥ 20000	4.5	31.3	31.0	31.9	31.0	31.9	31.9	31.9	31.9	31.9	31.9	31.9	32.6	32.6	32.6	32.6
IV 18000	4.5	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.9	32.9	32.9	32.9
IV 14000	4.5	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.9	32.9	32.9	32.9
IV 14000	4.5	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.9	32.9	32.9	32.9
IV 12000	4.5	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.9	32.9	32.9	32.9
IV 10000	4.8	32.9	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	34.2	34.2	34.2	34.2
IV 9000	4.8	32.9	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	34.2	34.2	34.2	34.2
IV 8000	4.8	33.2	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.5	34.5	34.5	34.5
IV 7000	4.8	33.2	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.5	34.5	34.5	34.5
IV 6000	4.8	33.2	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.5	34.5	34.5	34.5
IV 5000	4.8	33.6	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.8	34.8	34.8	34.8
IV 4500	4.9	33.6	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.8	34.8	34.8	34.8
IV 4000	5.0	36.5	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.7	37.7	37.7	37.7
IV 3500	5.0	36.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	40.0	40.0	40.0	40.0
IV 3000	5.0	42.9	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	44.2	44.2	44.2	44.2
IV 2500	5.1	46.8	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	48.1	48.1	48.1	48.1
IV 2000	5.1	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.6	53.6	53.6	53.6
IV 1800	5.1	55.2	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	56.5	56.5	56.5	56.5
IV 1500	5.1	67.1	67.7	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.4	69.4	69.4	69.4
IV 1200	5.1	72.9	73.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.5	75.5	75.5	75.5
IV 1000	5.1	78.4	79.7	80.3	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	83.2	83.2	83.2	83.2
IV 900	5.1	79.7	81.0	81.6	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2	85.2
IV 800	5.1	80.3	81.3	82.3	84.8	84.8	85.5	85.5	85.5	85.5	85.5	85.5	86.1	86.1	86.1	86.1
IV 700	5.1	81.6	83.2	84.5	87.7	88.1	88.7	88.7	88.7	88.7	88.7	88.7	89.4	89.4	89.4	89.4
IV 600	5.1	82.9	85.2	87.1	90.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.3
IV 500	5.1	82.9	85.2	88.1	91.9	92.3	93.2	93.2	93.2	93.2	93.2	93.2	93.9	93.9	93.9	93.9
IV 400	5.1	82.9	85.8	88.7	93.2	93.9	95.2	95.5	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.1
IV 300	5.1	82.9	85.8	88.7	93.2	93.9	95.2	95.8	95.8	95.8	95.8	95.8	96.8	96.8	96.8	96.8
IV 200	5.1	82.9	85.8	88.7	93.2	93.9	95.2	96.1	96.1	96.1	96.1	96.1	97.7	97.7	97.7	97.7
IV 100	5.1	82.9	85.8	88.7	93.2	93.9	95.2	96.1	96.1	97.1	97.1	97.1	98.1	98.1	98.7	99.0
IV 0	5.1	82.9	85.8	88.7	93.2	93.9	95.2	96.1	96.1	97.1	97.1	97.1	98.1	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMO5

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

73-82

MAY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	5.8	25.2	26.8	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.4	27.4	27.4	27.4	27.4	27.4	27.4
≥ 20000	5.8	25.8	27.4	27.7	27.7	27.7	27.7	27.7	27.7	27.7	28.1	28.1	28.1	28.1	28.1	28.1	28.1
IV 18000	5.8	26.1	27.7	28.1	28.1	28.1	28.1	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
IV 14000	5.8	26.1	27.7	28.1	28.1	28.1	28.1	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
IV 10000	5.8	26.1	27.7	28.1	28.1	28.1	28.1	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
IV 9000	6.1	27.4	29.0	29.4	29.4	29.4	29.4	29.4	29.4	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
IV 8000	6.1	27.4	29.0	29.4	29.4	29.4	29.4	29.4	29.4	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
IV 7000	6.1	27.7	29.4	29.7	29.7	29.7	29.7	29.7	29.7	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
IV 6000	6.1	27.7	29.4	29.7	30.0	30.0	30.0	30.0	30.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
IV 5000	6.1	28.1	30.0	30.3	30.7	30.7	30.7	30.7	30.7	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
IV 4500	6.1	28.1	30.0	30.3	30.7	30.7	30.7	30.7	30.7	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
IV 4000	6.8	30.7	32.9	33.2	33.6	33.6	33.6	33.6	33.6	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 3500	6.8	32.6	34.8	35.2	35.5	35.5	35.5	35.5	35.5	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
IV 3000	6.8	37.1	40.0	40.7	41.0	41.0	41.0	41.0	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 2500	6.8	42.3	45.5	46.5	46.8	46.8	46.8	46.8	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 2000	7.1	48.7	51.9	53.6	54.2	54.2	54.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 1800	7.1	50.0	53.9	55.5	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 1500	7.1	59.4	64.2	67.1	68.7	68.7	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 1200	7.1	60.3	66.1	69.7	71.3	71.6	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 1000	7.4	63.6	71.9	78.1	81.9	83.6	83.6	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 900	7.4	64.2	72.6	79.4	83.2	84.8	84.8	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 800	7.4	64.5	72.9	80.0	84.0	87.1	87.7	88.1	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 700	7.4	64.5	73.2	80.7	85.5	87.7	88.4	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 600	7.4	64.8	73.6	81.0	86.9	89.7	91.0	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 500	7.4	64.8	73.9	81.9	87.1	90.3	91.6	92.9	92.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 400	7.4	64.8	73.9	81.9	87.7	91.3	92.9	94.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 300	7.4	64.8	73.9	81.9	87.7	91.3	93.2	94.8	94.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 200	7.4	64.8	73.9	81.9	87.7	91.3	93.2	94.8	94.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 100	7.4	64.8	73.9	81.9	87.7	91.3	93.2	94.8	94.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 0	7.4	64.8	73.9	81.9	87.7	91.3	93.2	94.8	94.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 310

LIRNAVOCEANMET SMS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

73-82

YEARS

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0	
NO CEILING	5.0	34.5	34.9	42.0	45.4	45.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 20000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 18000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 16000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 14000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 12000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 10000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 9000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 8000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 7000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 6000	5.0	35.2	40.0	43.2	46.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 5000	6.1	36.5	41.3	44.5	47.7	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 4500	6.1	37.1	41.9	45.2	48.4	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 4000	6.1	39.4	44.2	47.4	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 3500	6.1	41.6	46.5	49.7	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 3000	6.1	45.8	51.0	54.2	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 2500	6.1	55.8	61.6	65.2	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 2000	6.1	64.2	71.0	75.2	78.4	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 1800	6.1	65.8	73.2	77.7	81.0	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1500	6.7	70.3	79.4	86.5	89.7	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1200	6.7	72.3	82.6	90.7	94.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1000	6.7	72.6	83.6	92.7	96.8	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	6.7	72.9	83.9	93.6	97.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	6.7	73.2	84.2	94.2	98.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	6.7	73.2	84.2	94.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	6.7	73.2	84.2	94.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	6.7	73.2	84.2	94.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	6.7	73.2	84.2	94.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	6.7	73.2	84.2	94.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	6.7	73.2	84.2	94.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	6.7	73.2	84.2	94.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	6.7	73.2	84.2	94.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

72-32

YEAR

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15

NOV 1957

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	9.0	51.3	57.1	61.3	62.3	62.9	62.6	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 20000	9.0	52.9	58.7	61.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IVM 18000	9.0	52.9	58.7	61.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IVM 16000	9.0	52.9	58.7	61.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IVM 14000	9.0	52.9	58.7	61.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IVM 12000	9.0	52.9	58.7	61.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IVM 10000	9.0	52.9	58.7	62.3	64.2	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IVM 9000	9.0	52.9	58.7	62.3	64.2	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IVM 8000	9.0	52.9	58.7	62.3	64.2	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IVM 7000	9.0	53.6	59.4	62.9	64.8	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IVM 6000	9.0	53.6	59.4	62.9	64.8	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IVM 5000	9.0	53.6	59.4	62.9	64.8	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IVM 4000	9.0	53.6	59.4	62.9	64.8	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IVM 3000	9.0	53.6	59.4	62.9	64.8	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IVM 2500	9.0	53.6	59.4	62.9	64.8	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IVM 2000	9.0	53.6	59.4	62.9	64.8	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IVM 1800	11.9	76.5	82.6	86.4	89.3	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IVM 1600	11.9	76.5	82.6	86.4	89.3	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IVM 1400	12.3	84.8	91.3	95.8	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 1200	12.3	84.8	91.3	95.8	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 1000	12.3	84.8	91.3	95.8	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 900	12.3	84.8	91.3	95.8	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 800	12.3	84.8	91.3	95.8	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 700	12.3	84.8	91.3	95.8	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 600	12.3	84.8	91.3	95.8	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 500	12.3	84.8	91.3	95.8	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 400	12.3	84.8	91.3	95.8	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 300	12.3	84.8	91.3	95.8	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 200	12.3	84.8	91.3	95.8	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 100	12.3	84.8	91.3	95.8	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	12.3	84.8	91.3	95.8	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 510

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 20000	61.9	66.6	69.5	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IVM 18000	62.6	67.4	69.7	71.0	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IVM 16000	62.7	67.7	70.0	71.3	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IVM 14000	62.7	67.7	70.0	71.3	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IVM 12000	63.6	68.4	70.7	71.9	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IVM 10000	63.6	69.2	71.3	72.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IVM 9000	63.7	69.7	71.9	72.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IVM 8000	64.5	69.7	71.9	73.2	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IVM 7000	64.5	69.7	71.9	73.2	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IVM 6000	64.5	69.7	71.9	73.2	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IVM 5000	65.2	70.3	72.6	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IVM 4500	65.2	70.3	72.6	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IVM 4000	66.1	71.3	73.6	74.8	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IVM 3500	67.0	72.2	74.5	76.5	77.7	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IVM 3000	73.2	78.4	81.7	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IVM 2500	79.7	84.8	87.1	88.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IVM 2000	83.2	88.4	91.7	91.9	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IVM 1800	84.2	89.4	91.6	92.9	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IVM 1500	86.7	93.9	96.5	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IVM 1200	87.7	94.8	97.4	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IVM 1000	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 900	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 800	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 700	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 600	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 500	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 400	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 300	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 200	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 100	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 0	88.0	95.2	97.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA YEAR 73-82 MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
DOWNS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	8.1	57.4	61.0	62.3	62.9	53.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	8.7	61.7	63.2	65.5	66.5	66.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 18000	8.7	61.0	63.6	65.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000	8.7	61.0	63.6	65.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000	8.7	61.0	63.6	65.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	9.4	61.6	64.5	66.8	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 10000	9.4	61.6	64.5	66.8	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 9000	9.4	61.6	64.5	66.8	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 8000	9.7	62.3	65.5	67.7	68.7	69.0	69.0	69.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	9.7	62.3	65.5	67.7	68.7	69.0	69.0	69.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000	9.7	62.3	65.5	67.7	68.7	69.0	69.0	69.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	9.7	62.3	65.5	67.7	68.7	69.0	69.0	69.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4500	9.7	62.3	65.5	67.7	68.7	69.0	69.0	69.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4000	9.7	62.3	65.5	67.7	68.7	69.0	69.0	69.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3500	10.0	67.7	71.3	73.6	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	10.7	71.6	75.3	77.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	10.7	71.6	75.3	77.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	10.7	71.6	75.3	77.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	10.7	71.6	75.3	77.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1600	10.7	71.6	75.3	77.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1400	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 700	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 400	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 300	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 200	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 100	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
0	11.0	87.1	91.6	94.5	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-02

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 20000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 18000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 16000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 14000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 12000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 10000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 9000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 8000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 7000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 6000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 5000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 4500	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 4000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 3500	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 3000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 2500	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 2000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 1800	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 1500	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 1200	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 1000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 900	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 800	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 700	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 600	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 500	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 400	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 300	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 200	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 100	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA
STATION NAME

73-82
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS I. E. T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0	
NO CEILING	5.1	43.1	45.7	47.1	48.1	48.2	48.4	48.4	49.4	49.6	48.5	48.5	48.6	48.6	49.6	49.6
IV 20000	6.5	44.0	47.2	48.7	49.7	49.8	50.0	50.0	50.0	50.0	50.1	50.1	50.2	50.2	50.2	50.2
IV 18000	6.8	44.9	47.5	49.0	50.0	50.2	51.3	50.3	50.3	50.4	50.4	50.4	50.5	50.5	50.5	50.5
IV 16000	6.8	44.9	47.5	49.0	50.0	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.5	50.5
IV 14000	6.8	44.9	47.5	49.0	50.0	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.5	50.5	50.5
IV 12000	6.9	45.2	47.8	49.3	50.3	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.8	50.8	50.8
IV 10000	7.0	45.7	48.4	49.9	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.4
IV 8000	7.1	45.7	48.4	49.9	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.4
IV 7000	7.1	46.1	48.6	50.1	51.4	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.9	51.9	51.9
IV 6000	7.1	46.1	48.6	50.1	51.5	51.6	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9
IV 5000	7.1	46.6	49.4	50.9	52.0	52.1	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.5	52.5	52.5
IV 4500	7.2	46.9	49.6	51.2	52.2	52.4	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.7	52.7	52.7
IV 4000	7.6	48.8	51.6	53.2	54.2	54.4	54.5	54.5	54.5	54.6	54.6	54.6	54.7	54.7	54.7	54.7
IV 3500	7.7	51.3	54.2	55.7	56.7	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2
IV 3000	7.7	55.2	58.2	59.8	60.9	61.0	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3
IV 2500	8.6	61.9	64.1	65.8	66.9	67.0	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3
IV 2000	8.8	68.5	69.8	71.7	72.9	73.1	73.2	73.2	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.4
IV 1800	8.8	67.9	71.4	73.3	74.5	74.7	74.8	74.8	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.0
IV 1500	9.0	75.2	79.3	82.0	83.5	83.7	83.8	83.8	83.8	83.9	83.9	83.9	84.0	84.0	84.0	84.0
IV 1200	9.1	76.3	82.4	85.4	86.4	87.2	87.4	87.4	87.4	87.5	87.5	87.5	87.6	87.6	87.6	87.6
IV 1000	9.2	81.9	85.8	89.6	91.3	92.3	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7
IV 900	9.2	81.5	86.5	91.4	92.7	93.2	93.1	93.4	93.6	93.7	93.7	93.7	93.8	93.8	93.8	93.8
IV 800	9.2	81.9	86.9	91.0	93.5	94.3	94.5	94.5	94.5	94.6	94.6	94.6	94.7	94.7	94.7	94.7
IV 700	9.2	82.3	87.3	91.6	94.4	95.0	95.5	95.6	95.6	95.7	95.7	95.7	95.8	95.8	95.8	95.8
IV 600	9.2	82.8	88.1	92.6	95.5	96.2	96.8	97.0	97.0	97.1	97.2	97.2	97.3	97.3	97.3	97.3
IV 500	9.2	82.9	88.2	92.9	95.9	96.7	97.3	97.5	97.5	97.6	97.7	97.7	97.8	97.8	97.8	97.8
IV 400	9.2	82.9	88.4	93.1	96.3	97.1	97.9	98.2	98.2	98.3	98.5	98.5	98.6	98.6	98.6	98.6
IV 300	9.2	83.0	88.4	93.2	96.4	97.2	98.1	98.4	98.4	98.4	98.8	98.8	98.9	98.9	98.9	98.9
IV 200	9.2	83.0	88.4	93.2	96.4	97.3	98.1	98.5	98.5	98.8	99.1	99.1	99.3	99.3	99.3	99.3
IV 100	9.2	83.0	88.4	93.2	96.4	97.3	98.2	98.5	98.5	98.9	99.2	99.2	99.4	99.4	99.5	99.5
IV 0	9.2	83.0	88.4	93.2	96.4	97.3	98.2	98.5	98.5	98.9	99.2	99.2	99.4	99.4	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 2487

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

FL TOPG, CALIFORNIA

73-82

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	6.7	45.8	46.1	46.7	46.7	46.7	47.3	47.3	47.3	47.7	47.7	47.7	48.0	48.0	48.0	48.0
IV 20000	6.7	45.3	46.3	47.0	47.0	47.0	47.7	47.7	47.7	48.0	48.0	48.0	48.3	48.3	48.3	48.3
IV 18000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
IV 14000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
IV 14000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
IV 12000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
IV 10000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
IV 9000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
IV 8000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
IV 7000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
IV 6000	6.7	46.7	46.7	47.3	47.3	47.3	48.0	48.0	48.0	48.3	48.3	48.3	48.7	48.7	48.7	48.7
IV 5000	6.7	47.3	47.3	47.7	47.7	47.7	48.3	48.3	48.3	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 4500	6.7	47.3	47.3	47.7	47.7	47.7	48.3	48.3	48.3	48.7	48.7	48.7	49.0	49.0	49.0	49.0
IV 4000	6.7	47.3	47.3	48.0	48.0	48.0	48.6	48.6	48.6	49.1	49.1	49.1	49.3	49.3	49.3	49.3
IV 3500	6.7	47.3	47.3	48.0	48.0	48.0	48.6	48.6	48.6	49.0	49.0	49.0	49.3	49.3	49.3	49.3
IV 3000	6.7	48.7	48.7	49.3	49.3	49.3	50.0	50.0	50.0	50.3	50.3	50.3	50.7	50.7	50.7	50.7
IV 2500	7.0	52.0	52.0	52.7	52.7	52.7	53.3	53.3	53.3	53.7	53.7	53.7	54.0	54.0	54.0	54.0
IV 2000	7.0	53.7	53.7	54.3	54.3	54.3	55.0	55.0	55.0	55.3	55.3	55.3	55.7	55.7	55.7	55.7
IV 1800	7.0	55.0	55.0	55.7	55.7	55.7	56.3	56.3	56.3	56.7	56.7	56.7	57.0	57.0	57.0	57.0
IV 1500	7.0	60.7	61.7	62.3	62.3	62.3	63.0	63.0	63.0	63.3	63.3	63.3	63.7	63.7	63.7	63.7
IV 1200	8.0	67.0	68.3	69.7	69.7	69.7	70.3	70.3	70.3	70.7	70.7	70.7	71.0	71.0	71.0	71.0
IV 1000	9.0	76.7	79.0	80.7	81.0	81.0	82.0	82.0	82.0	82.3	82.3	82.3	82.7	82.7	82.7	82.7
IV 900	9.0	79.3	82.3	84.0	84.3	84.3	85.3	85.3	85.3	85.7	85.7	85.7	86.0	86.0	86.0	86.0
IV 800	9.0	83.0	85.7	87.7	88.7	88.7	89.7	89.7	89.7	90.0	90.0	90.0	90.3	90.3	90.3	90.3
IV 700	9.0	84.0	87.3	90.0	91.7	92.0	93.0	93.3	93.3	93.7	93.7	93.7	94.0	94.0	94.0	94.0
IV 600	9.0	84.3	88.0	91.7	93.7	94.0	95.3	95.7	95.7	96.0	96.0	96.0	96.3	96.3	96.3	96.3
IV 500	9.0	84.3	88.0	91.7	93.7	94.3	95.7	96.0	96.0	96.3	96.3	96.3	96.7	96.7	96.7	96.7
IV 400	9.0	84.3	88.0	91.7	94.7	94.7	96.0	96.3	96.3	97.0	97.0	97.0	97.3	97.3	97.3	97.3
IV 300	9.0	84.3	88.0	91.7	94.7	95.3	96.7	97.0	97.0	97.7	97.7	97.7	98.0	98.0	98.0	98.0
IV 200	9.0	84.3	89.0	91.7	94.7	95.3	96.7	97.0	97.0	98.3	98.3	98.3	99.0	99.0	99.0	99.0
IV 100	9.0	84.3	88.0	91.7	94.7	95.3	96.7	97.0	97.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3
0	9.0	84.3	88.0	91.7	94.7	95.3	96.7	97.0	97.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
EL TORO, CALIFORNIA

YEAR
73-82

MONTH
JUN

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

74

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0	
NO CEILING	3.7	35.3	35.7	35.7	35.7	35.7	35.7	36.3	36.3	36.7	37.0	37.0	37.0	37.3	37.7	37.7
≥ 20000	3.7	35.7	36.0	36.0	36.0	36.0	36.0	36.7	36.7	37.0	37.3	37.3	37.3	37.7	38.0	38.0
IV 18000	3.7	35.7	36.0	36.0	36.0	36.0	36.0	36.7	36.7	37.0	37.3	37.3	37.3	37.7	38.0	38.0
IV 14000	3.7	35.7	36.0	36.0	36.0	36.0	36.0	36.7	36.7	37.0	37.3	37.3	37.3	37.7	38.0	38.0
IV 14000	3.7	35.7	36.0	36.0	36.0	36.0	36.0	36.7	36.7	37.0	37.3	37.3	37.3	37.7	38.0	38.0
IV 10000	3.7	36.3	36.7	36.7	36.7	36.7	36.7	37.3	37.3	37.7	38.0	38.0	38.0	38.3	38.7	38.7
IV 9000	3.7	36.3	36.7	36.7	36.7	36.7	36.7	37.3	37.3	37.7	38.0	38.0	38.0	38.3	38.7	38.7
IV 8000	3.7	36.3	36.7	36.7	36.7	36.7	36.7	37.3	37.3	37.7	38.0	38.0	38.0	38.3	38.7	38.7
IV 7000	3.7	36.3	36.7	36.7	36.7	36.7	36.7	37.3	37.3	37.7	38.0	38.0	38.0	38.3	38.7	38.7
IV 4000	3.7	36.3	36.7	36.7	36.7	36.7	36.7	37.3	37.3	37.7	38.0	38.0	38.0	38.3	38.7	38.7
IV 3000	3.7	37.0	37.3	37.3	37.3	37.3	37.3	38.0	38.0	38.3	38.7	38.7	38.7	39.0	39.3	39.3
IV 4500	3.7	37.0	37.3	37.3	37.3	37.3	37.3	38.0	38.0	38.3	38.7	38.7	38.7	39.0	39.3	39.3
IV 4000	3.7	37.0	37.3	37.3	37.3	37.3	37.3	38.0	38.0	38.3	38.7	38.7	38.7	39.0	39.3	39.3
IV 3500	4.0	37.7	38.0	38.0	38.0	38.0	38.0	38.7	38.7	39.0	39.3	39.3	39.3	39.7	40.0	40.0
IV 3000	4.0	37.7	38.0	38.0	38.0	38.0	38.0	38.7	38.7	39.0	39.3	39.3	39.3	39.7	40.0	40.0
IV 2500	4.0	41.0	41.3	41.3	41.3	41.3	41.3	42.0	42.0	42.3	42.7	42.7	42.7	43.0	43.3	43.3
IV 2000	4.0	44.3	44.7	45.0	45.0	45.0	45.0	45.7	45.7	46.0	46.3	46.3	46.3	46.7	47.0	47.0
IV 1800	5.0	40.7	47.0	47.3	47.3	47.3	47.3	48.0	48.0	48.3	48.7	48.7	48.7	49.0	49.3	49.3
IV 1500	5.0	50.3	51.0	52.0	52.0	52.0	52.0	52.7	52.7	53.0	53.3	53.3	53.3	53.7	54.0	54.0
IV 1200	6.0	57.0	57.7	58.7	59.0	59.0	59.0	59.7	59.7	60.0	60.3	60.3	60.3	60.7	61.0	61.0
IV 1000	6.0	66.3	67.3	69.7	71.0	71.0	71.0	72.3	72.3	72.7	73.0	73.0	73.0	73.3	73.7	73.7
IV 900	6.0	70.0	71.3	74.3	75.7	75.7	75.7	77.0	77.0	77.3	77.7	77.7	77.7	78.0	78.3	78.3
IV 800	6.0	71.3	73.3	76.7	79.3	79.3	79.3	80.7	80.7	81.0	81.3	81.3	81.3	81.7	82.0	82.0
IV 700	6.0	73.0	75.7	80.0	83.0	83.0	83.0	84.7	84.7	85.0	85.3	85.3	85.3	85.7	86.0	86.0
IV 600	6.0	75.0	78.3	83.0	86.3	86.3	86.3	88.3	88.3	88.7	89.0	89.0	89.0	89.3	89.7	89.7
IV 500	6.0	75.0	78.3	83.0	87.3	87.3	87.3	89.7	89.7	90.3	90.7	90.7	90.7	91.0	91.3	91.7
IV 400	6.0	75.0	78.7	83.7	88.3	89.0	90.7	92.0	92.0	92.7	93.0	93.0	93.0	93.3	93.7	94.0
IV 300	6.0	75.0	78.7	84.0	88.7	89.7	91.3	92.7	92.7	93.7	94.0	94.0	94.0	94.3	94.7	95.0
IV 200	6.0	75.3	79.7	84.3	89.7	90.3	92.0	93.3	93.3	94.7	95.0	95.0	95.0	95.3	95.7	96.0
IV 100	6.0	75.3	79.0	84.3	89.3	90.7	92.3	94.0	94.0	95.3	95.7	95.7	95.7	96.0	96.3	96.7
IV 0	6.0	75.3	79.0	84.3	89.3	90.7	92.3	94.0	94.0	95.3	95.7	95.7	95.7	96.0	96.3	97.3

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

73-92

YEAR

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

87

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.3	29.7	31.3	31.7	33.1	33.7	34.0	34.0	34.0	34.7	35.0	35.0	35.0	35.0	35.0	35.0
≥ 20000	4.3	30.7	32.3	32.7	34.1	34.7	35.0	35.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0
18000	4.3	30.7	32.3	32.7	34.1	34.7	35.0	35.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0
16000	4.3	31.7	32.3	32.7	34.1	34.7	35.0	35.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0
14000	4.3	31.7	32.3	32.7	34.0	34.7	35.0	35.0	35.0	35.7	36.0	36.0	36.0	36.0	36.0	36.0
12000	4.3	31.3	33.3	33.3	34.7	35.3	35.7	35.7	35.7	36.3	36.7	36.7	36.7	36.7	36.7	36.7
10000	4.3	31.7	33.3	33.7	35.0	35.7	36.0	36.0	36.0	36.7	37.0	37.0	37.0	37.0	37.0	37.0
9000	4.3	31.7	33.3	33.7	35.0	35.7	36.0	36.0	36.0	36.7	37.0	37.0	37.0	37.0	37.0	37.0
8000	4.3	31.7	33.3	33.7	35.0	35.7	36.0	36.0	36.0	36.7	37.0	37.0	37.0	37.0	37.0	37.0
7000	4.3	31.7	33.3	33.7	35.0	35.7	36.0	36.0	36.0	36.7	37.0	37.0	37.0	37.0	37.0	37.0
6000	4.3	31.7	33.3	33.7	35.0	35.7	36.0	36.0	36.0	36.7	37.0	37.0	37.0	37.0	37.0	37.0
5000	4.3	32.0	33.7	34.0	35.3	36.0	36.3	36.3	36.3	37.0	37.3	37.3	37.3	37.3	37.3	37.3
4500	4.3	32.0	33.7	34.0	35.3	36.0	36.3	36.3	36.3	37.0	37.3	37.3	37.3	37.3	37.3	37.3
4000	4.7	33.0	34.7	35.0	36.3	37.0	37.3	37.3	37.3	38.0	38.3	38.3	38.3	38.3	38.3	38.3
3500	5.0	33.7	35.3	35.7	37.0	37.7	38.0	38.0	38.0	38.7	39.0	39.0	39.0	39.0	39.0	39.0
3000	5.0	34.7	36.3	36.7	38.0	38.7	39.0	39.0	39.0	39.7	40.0	40.0	40.0	40.0	40.0	40.0
2500	5.3	37.0	38.7	39.0	40.3	41.0	41.3	41.3	41.3	42.0	42.3	42.3	42.3	42.3	42.3	42.3
2000	5.7	40.0	42.7	43.3	45.0	45.7	46.0	46.0	46.0	46.7	47.0	47.0	47.0	47.0	47.0	47.0
1800	5.7	40.3	43.0	43.7	45.3	46.0	46.3	46.3	46.3	47.0	47.3	47.3	47.3	47.3	47.3	47.3
1500	5.7	44.3	44.7	53.3	55.3	56.0	56.3	56.3	56.3	57.0	57.3	57.3	57.3	57.3	57.3	57.3
1200	5.7	47.7	54.3	63.7	63.3	64.0	64.7	64.7	64.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7
1000	5.7	50.7	59.7	68.7	74.7	76.0	77.3	77.3	77.3	78.0	78.3	78.3	78.3	78.3	78.3	78.3
900	5.7	50.7	60.0	69.7	76.7	78.3	80.3	80.7	80.7	81.3	81.7	81.7	81.7	81.7	81.7	81.7
800	5.7	50.7	60.3	71.3	80.0	82.0	84.3	84.7	84.7	85.3	85.7	85.7	85.7	85.7	85.7	85.7
700	5.7	51.0	60.7	72.3	83.0	85.7	89.0	89.3	89.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0
600	5.7	51.0	61.0	73.0	83.7	86.3	90.3	91.3	91.3	92.3	93.0	93.0	93.0	93.0	93.0	93.0
500	5.7	51.0	61.0	73.0	84.0	87.0	92.3	93.3	93.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0
400	5.7	51.0	61.0	73.0	84.7	87.0	92.3	94.3	95.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3
300	5.7	51.0	61.0	73.0	84.3	87.3	92.7	94.7	95.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3
200	5.7	51.0	61.0	73.0	84.3	87.3	92.7	94.7	95.3	97.7	98.7	98.7	98.7	98.7	98.7	98.7
100	5.7	51.0	61.0	73.0	84.3	87.3	92.7	94.7	95.3	97.7	98.7	98.7	98.7	98.7	98.7	98.7
0	5.7	51.0	61.0	73.0	84.3	87.3	92.7	94.7	95.3	97.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

73-82

JUN

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.3	4.3	55.7	62.0	68.7	68.7	69.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 20000	4.3	5.3	56.7	63.0	67.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
18000	4.3	50.3	56.7	63.0	67.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
16000	4.3	50.3	56.7	63.0	67.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
14000	4.3	50.7	57.0	63.7	68.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
12000	4.3	50.7	57.0	63.7	68.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
10000	4.3	51.3	57.7	64.3	69.3	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
9000	4.3	51.3	57.7	64.3	69.3	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
8000	4.3	51.3	57.7	64.3	69.3	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
7000	4.3	51.3	57.7	64.3	69.3	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
6000	4.3	51.3	57.7	64.3	69.3	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
5000	4.3	51.7	58.7	64.7	69.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
4500	4.3	51.7	58.0	64.7	69.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
4000	4.7	52.3	58.7	65.3	70.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
3500	5.0	53.7	60.3	67.0	71.7	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
3000	5.7	54.7	61.3	68.0	72.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
2500	5.7	56.3	63.7	69.7	74.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
2000	6.0	57.7	66.7	74.0	79.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
1800	6.3	60.7	68.0	75.3	80.7	82.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
1500	6.3	64.0	73.0	82.0	88.0	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
1200	6.3	66.3	76.7	85.3	92.3	93.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1000	6.3	67.3	77.7	87.7	94.7	97.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	6.3	67.0	77.7	88.0	95.7	98.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
800	6.3	67.0	77.7	88.0	95.7	98.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
700	6.3	67.3	78.0	88.3	95.3	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	6.3	67.3	78.0	88.3	95.3	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	6.3	67.3	78.0	88.3	95.3	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	6.3	67.3	78.0	88.3	95.3	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	6.3	67.3	78.0	88.3	95.3	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	6.3	67.3	78.0	88.3	95.3	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	6.3	67.3	78.0	88.3	95.3	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	6.3	67.3	78.0	88.3	95.3	98.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
EL TORO, CALIFORNIA

YEAR
73-82

MONTH
JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	7.3	44.3	71.0	77.3	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2000	7.3	69.3	72.7	79.0	81.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
18000	7.3	65.3	72.7	79.0	81.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
16000	7.3	65.3	72.7	79.0	81.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
14000	7.3	65.3	72.7	79.0	81.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
12000	7.3	65.3	72.7	79.0	81.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
10000	7.3	66.0	73.3	79.7	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
9000	7.3	66.0	73.3	79.7	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
8000	7.3	66.3	73.7	80.0	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
7000	7.3	66.3	73.7	80.0	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
6000	7.3	66.7	74.0	80.3	83.7	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
5000	7.3	67.3	74.7	81.0	83.7	83.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
4500	7.7	67.3	74.7	81.0	83.7	83.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
4000	7.7	68.7	76.0	82.3	85.0	85.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
3500	9.3	71.0	77.3	83.7	86.3	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
3000	9.3	71.7	79.0	85.3	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
2500	9.3	74.0	81.0	88.0	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
2000	9.3	75.0	83.0	90.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
1800	9.3	75.3	83.3	90.3	93.0	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
1500	10.3	75.7	86.3	93.7	97.0	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
1200	10.3	77.7	88.7	95.0	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1000	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	10.3	80.3	89.0	96.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION CL YURO, CALIFORNIA STATION NAME

73-82 YEAR

JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0	≥ 0
NO CEILING	11.7	73.7	81.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 20000	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IVIV 18000	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IVIV 14000	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IVIV 14000	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IVIV 12000	12.3	77.0	83.7	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IVIV 10000	12.3	78.7	84.7	88.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IVIV 9000	12.3	78.7	84.7	88.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IVIV 8000	12.3	78.7	85.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IVIV 7000	12.3	78.7	85.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IVIV 6000	12.3	78.7	85.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IVIV 5000	12.3	79.0	85.7	89.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IVIV 4500	12.3	79.0	85.7	89.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IVIV 4000	12.7	79.3	86.0	89.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IVIV 3500	12.7	80.0	86.7	90.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IVIV 3000	12.7	81.3	88.0	91.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IVIV 2500	13.0	82.7	89.3	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IVIV 2000	13.3	84.3	91.3	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IVIV 1800	13.3	85.0	92.0	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IVIV 1500	13.3	87.3	94.3	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVIV 1200	13.3	88.0	95.0	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVIV 1000	13.3	89.0	95.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVIV 900	13.3	88.0	95.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVIV 800	13.3	88.0	95.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVIV 700	13.3	88.0	95.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVIV 600	13.3	88.0	95.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVIV 500	13.3	88.0	95.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVIV 400	13.3	88.0	95.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVIV 300	13.3	88.0	95.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVIV 200	13.3	88.0	95.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVIV 100	13.3	88.0	95.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVIV 0	13.3	88.0	95.3	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

73-82

YEARS

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	17.7	73.7	76.3	77.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 20000	20.7	75.7	79.7	80.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 18000	17.7	76.3	79.7	80.7	81.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 14000	17.7	76.3	79.7	80.7	81.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 14000	17.7	76.7	80.0	81.0	82.0	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 12000	17.7	77.7	81.7	82.0	83.0	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 10000	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 9000	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 8000	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 7000	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 6000	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 5000	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4500	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4000	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3500	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3000	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2500	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2000	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1800	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1500	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1200	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1000	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 900	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 800	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 700	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 600	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 500	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 400	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 300	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 200	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 100	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 0	17.7	78.0	81.3	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

73-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0	
NO CEILING	9.7	60.3	60.7	61.7	62.3	62.3	67.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 20000	9.7	62.3	62.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IVY 18000	9.7	62.3	62.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IVY 16000	9.7	62.3	62.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IVY 14000	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IVY 12000	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IVY 10000	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IVY 9000	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IVY 8000	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IVY 7000	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IVY 6000	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IVY 5000	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IVY 4500	9.7	63.0	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IVY 4000	9.7	63.0	63.7	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IVY 3500	10.0	64.3	65.0	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IVY 3000	10.0	65.3	66.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IVY 2500	10.0	67.3	68.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IVY 2000	10.0	69.3	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IVY 1800	10.0	70.0	70.7	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IVY 1500	11.0	75.3	76.0	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IVY 1200	11.0	80.7	81.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IVY 1000	11.0	87.0	88.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IVY 900	11.0	89.7	91.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IVY 800	11.0	90.7	92.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IVY 700	11.0	91.3	93.3	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IVY 600	11.0	91.7	93.7	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IVY 500	11.0	91.7	93.7	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVY 400	11.0	91.7	94.7	97.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVY 300	11.0	91.7	94.0	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVY 200	11.0	91.7	94.0	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVY 100	11.0	91.7	94.0	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IVY 0	11.0	91.7	94.0	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	¾	≥ 0
NO CEILING	7.3	54.0	57.1	59.0	60.9	61.2	61.5	61.6	61.6	61.8	61.8	61.8	61.9	61.9	62.0	62.0
≥ 20000	7.4	55.4	58.7	61.1	62.5	62.9	63.3	63.3	63.3	63.5	63.6	63.6	63.6	63.7	63.7	63.7
IVY 18000	7.4	55.5	58.8	61.3	62.7	63.0	63.4	63.5	63.5	63.6	63.7	63.7	63.8	63.8	63.8	63.8
IVY 14000	7.4	55.5	58.8	61.3	62.7	63.0	63.4	63.5	63.5	63.6	63.7	63.7	63.8	63.8	63.8	63.8
IVY 14000	7.4	55.7	59.0	61.5	62.9	63.3	63.6	63.7	63.7	63.8	63.9	63.9	64.1	64.0	64.0	64.0
IVY 12000	7.4	56.1	59.3	61.8	63.3	63.6	64.0	64.0	64.0	64.2	64.3	64.3	64.3	64.4	64.4	64.4
IVY 10000	7.4	56.4	59.6	62.1	63.5	63.9	64.3	64.3	64.3	64.5	64.6	64.6	64.6	64.7	64.7	64.7
IVY 9000	7.4	56.4	59.6	62.1	63.5	63.9	64.3	64.3	64.3	64.5	64.6	64.6	64.6	64.7	64.7	64.7
IVY 8000	7.4	56.5	59.8	62.3	63.7	64.0	64.4	64.5	64.5	64.6	64.7	64.7	64.8	64.8	64.8	64.8
IVY 7000	7.4	56.5	59.8	62.3	63.7	64.0	64.4	64.5	64.5	64.6	64.7	64.7	64.8	64.8	64.8	64.8
IVY 6000	7.4	56.5	59.8	62.3	63.7	64.1	64.4	64.5	64.5	64.7	64.8	64.8	64.8	64.8	64.9	64.9
IVY 5000	7.5	56.9	61.1	62.6	64.0	64.4	64.8	64.8	64.8	65.0	65.1	65.1	65.1	65.2	65.2	65.2
IVY 4500	7.5	56.9	61.1	62.6	64.0	64.4	64.8	64.8	64.8	65.0	65.1	65.1	65.1	65.2	65.2	65.2
IVY 4000	7.7	57.4	61.7	63.2	64.6	65.0	65.3	65.4	65.4	65.5	65.7	65.6	65.7	65.7	65.8	65.8
IVY 3500	8.1	58.3	61.6	64.1	65.5	65.9	66.2	66.3	66.3	66.5	66.5	66.5	66.6	66.6	66.7	66.7
IVY 3000	8.1	58.5	62.9	65.4	66.8	67.2	67.5	67.6	67.6	67.8	67.8	67.8	67.9	67.9	68.0	68.0
IVY 2500	8.3	61.5	64.9	67.5	69.9	69.3	69.6	69.7	69.7	69.8	69.9	69.9	70.0	70.0	70.0	70.0
IVY 2000	8.5	63.8	67.5	70.3	71.8	72.2	72.6	72.7	72.7	72.8	72.9	72.9	73.0	73.0	73.0	73.0
IVY 1800	8.7	64.8	68.5	71.3	72.8	73.2	73.6	73.7	73.7	73.8	73.9	73.9	74.0	74.0	74.0	74.0
IVY 1500	9.1	65.6	73.2	76.8	78.5	78.9	79.3	79.4	79.4	79.6	79.7	79.7	79.7	79.8	79.8	79.8
IVY 1200	9.3	71.9	77.0	81.0	83.0	83.5	84.0	84.0	84.0	84.2	84.3	84.3	84.3	84.4	84.4	84.4
IVY 1000	9.4	75.7	81.5	86.2	88.8	89.4	90.0	90.2	90.2	90.4	90.5	90.5	90.5	90.5	90.6	90.6
IVY 900	9.4	76.6	82.8	87.4	90.5	91.2	91.9	92.1	92.1	92.3	92.3	92.3	92.4	92.4	92.5	92.5
IVY 800	9.4	77.6	83.7	88.9	92.1	92.8	93.6	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.2	94.2
IVY 700	9.4	78.1	84.4	89.9	93.6	94.4	95.4	95.6	95.6	95.8	96.0	96.0	96.0	96.0	96.1	96.1
IVY 600	9.4	78.4	84.9	90.7	94.5	95.4	96.5	96.8	96.8	97.0	97.1	97.1	97.2	97.2	97.3	97.3
IVY 500	9.4	78.4	84.9	90.7	94.5	95.4	96.5	96.8	96.8	97.0	97.1	97.1	97.2	97.2	97.3	97.3
IVY 400	9.4	78.4	84.9	90.7	94.5	95.4	96.5	96.8	96.8	97.0	97.1	97.1	97.2	97.2	97.3	97.3
IVY 300	9.4	78.4	84.9	90.7	94.5	95.4	96.5	96.8	96.8	97.0	97.1	97.1	97.2	97.2	97.3	97.3
IVY 200	9.4	78.5	85.0	91.0	95.2	96.3	97.6	98.1	98.2	98.8	99.0	99.0	99.2	99.3	99.3	99.5
IVY 100	9.4	78.5	85.0	91.0	95.2	96.3	97.7	98.2	98.3	99.0	99.1	99.1	99.3	99.4	99.5	99.8
0	9.4	78.5	85.0	91.0	95.2	96.3	97.7	98.2	98.3	99.0	99.1	99.1	99.3	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

73-82

JUL

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

61
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	2.3	51.3	51.6	52.6	52.6	52.6	53.2	53.2	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 20000	2.3	50.5	51.6	52.6	52.6	52.6	53.2	53.2	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 18000	2.3	50.3	51.6	52.6	52.6	52.6	53.2	53.2	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 16000	2.3	50.3	51.6	52.6	52.6	52.6	53.2	53.2	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 14000	2.3	51.3	52.6	53.6	53.6	53.6	54.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 12000	2.3	51.3	52.6	53.6	53.6	53.6	54.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 10000	2.3	53.6	54.8	55.8	55.8	55.8	56.5	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 9000	2.3	53.6	54.8	55.8	55.8	55.8	56.5	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 8000	2.3	53.9	55.2	56.1	56.1	56.1	56.8	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 7000	2.3	53.9	55.2	56.1	56.1	56.1	56.8	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 6000	2.3	53.9	55.2	56.1	56.1	56.1	56.8	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 5000	2.3	54.2	55.5	56.5	56.5	56.5	57.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 4500	2.3	54.2	55.5	56.5	56.5	56.5	57.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 4000	2.3	54.2	55.5	56.5	56.5	56.5	57.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 3500	2.3	54.5	55.8	56.8	56.8	56.8	57.4	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 3000	2.3	54.5	55.8	56.8	56.8	56.8	57.4	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 2500	2.3	54.5	55.8	56.8	56.8	56.8	57.4	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 2000	2.3	55.5	56.8	57.7	57.7	57.7	58.4	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1800	2.3	56.5	57.7	58.7	58.7	58.7	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1600	2.6	61.9	63.2	64.5	64.5	64.5	65.2	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 1200	3.4	71.6	72.9	74.2	74.2	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 1000	3.6	62.6	64.2	66.8	66.8	66.8	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 900	3.9	85.5	87.4	90.0	90.0	90.0	90.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 800	3.7	86.8	88.7	91.3	91.9	91.9	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 700	3.4	86.1	90.7	93.2	94.2	94.2	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 600	3.4	88.7	91.6	94.8	95.8	95.8	96.5	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 500	3.9	88.7	91.7	95.8	97.1	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	3.9	88.7	92.3	96.1	97.7	98.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	3.9	88.7	92.6	96.5	98.1	98.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	3.9	88.7	92.6	96.5	98.1	98.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	3.9	88.7	92.6	96.5	98.1	98.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	3.9	88.7	92.6	96.5	98.1	98.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 510

DIRNAVOCEANMET SMO5

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-82

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04

HOURS (L & T)

CEILING (Feet)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0	≥ 0
NO CEILING	1.9	35.5	37.4	38.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	40.0	40.0	40.7	41.7
IV 20000	1.9	35.5	37.4	39.0	39.4	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.3	40.3	41.0	41.7
IV 18000	1.9	35.8	37.7	39.0	39.4	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.3	40.3	41.0	41.0
IV 16000	1.9	35.8	37.7	39.0	39.4	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.3	40.3	41.0	41.0
IV 14000	1.9	36.1	38.1	39.4	39.7	39.7	39.7	40.3	40.3	40.3	40.3	40.3	40.7	40.7	41.3	41.3
IV 12000	1.9	36.1	38.7	40.0	40.7	40.7	40.7	41.0	41.0	41.0	41.0	41.0	41.3	41.3	41.9	41.9
IV 10000	1.9	37.4	39.4	40.7	41.0	41.0	41.0	41.6	41.6	41.6	41.6	41.6	41.9	41.9	42.6	42.6
IV 9000	1.9	37.4	39.4	40.7	41.0	41.0	41.0	41.6	41.6	41.6	41.6	41.6	41.9	41.9	42.6	42.6
IV 8000	1.9	38.1	40.0	41.3	41.6	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.6	42.6	43.2	43.2
IV 7000	1.9	38.1	40.0	41.3	41.6	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.6	42.6	43.2	43.2
IV 6000	1.9	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6	43.6
IV 5000	1.9	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6	43.6
IV 4500	1.9	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6	43.6
IV 4000	1.9	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6	43.6
IV 3500	1.9	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6	43.6
IV 3000	1.9	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6	43.6
IV 2500	1.9	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6	43.6
IV 2000	1.9	38.4	40.3	41.6	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.6	43.6
IV 1800	1.9	40.0	41.9	43.2	43.9	43.9	43.9	44.5	44.5	44.5	44.5	44.5	44.8	44.8	45.5	45.5
IV 1500	2.6	45.5	46.1	49.4	50.0	50.0	50.0	50.7	50.7	50.7	50.7	50.7	51.0	51.0	51.6	51.6
IV 1200	2.6	54.2	57.1	58.4	59.0	59.0	59.0	59.7	59.7	59.7	59.7	59.7	60.0	60.0	60.7	60.7
IV 1000	2.6	64.5	68.4	71.0	73.0	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.5	74.5	75.2	75.2
IV 900	2.6	67.7	71.9	74.5	77.1	77.4	77.4	78.1	78.1	78.1	78.4	78.4	78.7	78.7	79.4	79.4
IV 800	2.6	71.0	75.5	78.7	82.3	82.9	82.9	83.6	83.6	83.9	84.2	84.2	85.2	85.2	85.9	85.8
IV 700	2.6	71.9	77.1	80.7	85.2	85.6	85.6	86.5	86.5	86.8	87.1	87.1	88.1	88.1	88.7	88.7
IV 600	2.6	73.5	79.4	83.6	88.4	89.0	89.0	89.7	89.7	90.0	90.3	90.3	91.3	91.3	91.9	91.9
IV 500	2.6	74.5	81.3	85.5	91.0	91.9	91.9	92.6	92.6	92.9	93.6	93.6	94.5	94.5	95.2	95.2
IV 400	2.6	74.8	81.6	86.8	92.9	93.9	93.9	94.5	94.5	95.5	96.1	96.1	97.1	97.1	97.7	97.7
IV 300	2.6	74.8	81.6	87.1	93.2	94.2	94.2	94.8	94.8	95.8	96.5	96.5	97.4	97.4	98.1	98.1
IV 200	2.6	74.8	81.6	87.1	93.2	94.2	94.5	95.2	95.2	96.5	97.1	97.1	98.1	98.1	98.7	98.7
IV 100	2.6	74.8	81.6	87.1	93.2	94.2	94.5	95.2	95.2	96.5	97.4	97.4	98.4	98.4	99.4	100.0
IV 0	2.6	74.8	81.6	87.1	93.2	94.2	94.5	95.2	95.2	96.5	97.4	97.4	98.4	98.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

73-62

YEAR

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	27.1	31.7	33.6	36.1	36.6	37.7	38.4	38.4	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 20000	.7	27.4	32.0	33.9	36.5	37.1	38.1	38.7	38.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 18000	.7	27.4	31.0	33.9	36.5	37.1	38.1	38.7	38.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 16000	.7	27.4	31.0	33.9	36.5	37.1	38.1	38.7	38.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 14000	.7	28.1	31.6	34.5	37.1	37.7	38.7	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 12000	.7	28.1	31.6	34.5	37.1	37.7	38.7	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 10000	1.0	29.0	32.6	35.6	38.4	39.0	40.0	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 9000	1.0	29.0	32.6	35.6	38.4	39.0	40.0	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 8000	1.0	29.4	33.2	36.5	39.0	39.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 7000	1.0	29.4	33.2	36.5	39.0	39.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 6000	1.0	29.4	33.2	36.5	39.0	39.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 5000	1.0	29.4	33.2	36.5	39.0	39.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 4500	1.0	29.4	33.2	36.5	39.0	39.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 4000	1.0	29.4	33.2	36.5	39.0	39.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 3500	1.0	29.4	33.2	36.5	39.0	39.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 3000	1.0	29.4	33.2	36.5	39.0	39.7	40.7	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 2500	1.0	29.7	33.6	36.8	39.4	40.0	41.0	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 2000	1.0	30.3	34.2	37.7	40.3	41.0	41.9	42.6	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 1800	1.0	31.0	35.2	39.7	41.3	41.9	42.9	43.6	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 1500	1.0	41.3	46.8	50.7	53.6	54.2	55.2	55.8	55.8	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 1200	1.0	46.8	53.9	60.3	64.5	65.2	66.1	66.8	66.8	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 1000	1.0	53.0	60.3	69.8	76.1	76.1	79.0	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 900	1.0	50.7	61.6	71.3	78.7	81.6	81.9	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 800	1.0	51.0	62.3	72.6	81.3	83.6	85.2	86.8	86.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 700	1.0	51.0	62.3	73.2	82.6	85.2	87.1	88.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 600	1.0	51.0	62.3	73.9	83.9	87.1	90.3	91.9	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 500	1.0	51.0	62.3	73.9	84.2	87.4	90.7	92.6	92.6	93.9	94.2	94.2	94.2	94.2	94.5	94.8
≥ 400	1.0	51.0	62.3	73.9	84.2	87.7	91.0	93.6	93.6	95.5	96.1	96.1	96.8	96.8	97.1	97.4
≥ 300	1.0	51.0	62.3	73.9	84.3	88.4	91.6	94.2	94.2	96.5	97.1	97.1	97.7	97.7	98.4	99.0
≥ 200	1.0	51.0	62.3	73.9	84.8	88.7	91.9	94.5	94.5	97.1	97.7	97.7	98.4	98.4	99.4	100.0
≥ 100	1.0	51.0	62.3	73.9	84.8	88.7	91.9	94.5	94.5	97.1	97.7	97.7	98.4	98.4	99.4	100.0
≥ 0	1.0	51.0	62.3	73.9	84.8	88.7	91.9	94.5	94.5	97.1	97.7	97.7	98.4	98.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOB

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

77-82

JUL

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.9	62.9	71.6	81.9	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 20000	2.9	63.9	73.9	84.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IVIM 18000	2.9	63.9	73.9	84.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IVIM 14000	2.9	63.9	73.9	84.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IVIM 14000	2.9	64.8	74.8	85.2	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IVIM 12000	2.9	66.1	76.1	86.5	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IVIM 10000	2.9	67.1	77.1	87.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IVIM 9000	2.9	67.1	77.1	87.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IVIM 8000	2.9	67.4	78.1	88.4	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IVIM 7000	2.9	67.4	78.1	88.4	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IVIM 6000	2.9	67.4	78.1	88.4	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IVIM 5000	2.9	67.4	78.4	88.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IVIM 4500	2.9	67.4	78.4	88.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IVIM 4000	2.9	67.7	78.7	89.0	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IVIM 3500	2.9	68.1	79.0	89.4	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IVIM 3000	2.9	68.1	79.0	89.4	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IVIM 2500	2.9	68.4	79.4	89.7	92.6	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IVIM 2000	2.9	69.0	80.3	91.0	93.0	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IVIM 1800	2.9	71.0	81.3	92.3	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IVIM 1500	2.9	71.0	82.6	93.0	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IVIM 1200	2.9	71.6	83.9	95.2	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVIM 1000	2.9	71.6	84.2	95.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVIM 900	2.9	71.6	84.2	95.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVIM 800	2.9	71.6	84.2	95.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVIM 700	2.9	71.6	84.2	95.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVIM 600	2.9	71.6	84.2	95.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVIM 500	2.9	71.6	84.2	95.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVIM 400	2.9	71.6	84.2	95.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVIM 300	2.9	71.6	84.2	95.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVIM 200	2.9	71.6	84.2	95.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVIM 100	2.9	71.6	84.2	95.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVIM 0	2.9	71.6	84.2	95.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMCS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TOPO, CALIFORNIA

STATION NAME

73-82

YEAR

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	6.1	79.4	86.5	91.1	91.9	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 20000	6.7	81.1	88.1	92.5	93.6	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 18000	6.5	81.0	88.1	92.5	93.6	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 14000	6.5	81.3	88.4	93.2	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 14000	6.5	81.9	89.0	93.9	94.5	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 12000	6.5	82.6	89.7	94.8	95.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 10000	6.5	83.6	91.1	96.1	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 9000	6.5	83.6	91.1	96.1	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 8000	6.5	83.9	91.3	96.5	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 7000	6.5	83.9	91.3	96.5	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 6000	6.5	83.9	91.3	96.5	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 5000	6.5	84.2	91.6	96.8	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 4500	6.5	84.2	91.6	96.8	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 4000	6.5	84.2	91.6	96.8	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 3500	6.5	84.2	91.6	96.8	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 3000	6.5	84.2	91.6	96.8	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2500	6.5	84.2	91.6	96.8	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2000	6.5	84.2	91.6	96.8	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1800	6.5	85.2	92.6	97.7	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	6.5	85.2	92.6	97.7	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	6.5	85.2	92.6	97.7	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	6.5	85.2	92.6	97.7	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	6.5	85.5	93.2	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

YEAR 73-82

MONTH JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.O.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 0	
NO CEILING	96.1	86.3	57.1	33.2	23.2	18.2	14.7	12.2	10.2	9.2	8.2	7.2	6.2	5.2	4.2	3.2
IV 20000	96.1	86.1	51.3	24.5	15.2	10.5	8.5	7.5	6.5	5.5	4.5	3.5	2.5	1.5	0.5	0.5
IV 18000	96.1	86.1	51.3	24.5	15.2	10.5	8.5	7.5	6.5	5.5	4.5	3.5	2.5	1.5	0.5	0.5
IV 16000	96.1	86.1	51.3	24.5	15.2	10.5	8.5	7.5	6.5	5.5	4.5	3.5	2.5	1.5	0.5	0.5
IV 14000	96.1	86.7	51.9	25.2	15.8	11.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1	0.1
IV 12000	96.1	87.2	52.3	25.8	16.5	11.6	9.6	8.6	7.6	6.6	5.6	4.6	3.6	2.6	1.6	0.6
IV 10000	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 9000	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 8000	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 7000	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 6000	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 5000	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 4500	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 4000	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 3500	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 3000	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 2500	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 2000	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 1800	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 1600	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 1400	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 1200	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 1000	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 900	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 800	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 700	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 600	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 500	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 400	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 300	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 200	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 100	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
IV 0	96.4	87.3	53.6	27.4	17.7	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1

TOTAL NUMBER OF OBSERVATIONS 317

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0	
NO CEILING	7.7	86.4	91.7	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 20000	7.7	95.0	92.3	91.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 18000	7.7	95.0	92.3	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 16000	7.7	95.0	92.3	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 14000	8.1	95.7	92.9	93.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 12000	8.1	91.1	93.2	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 10000	8.1	91.9	94.2	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 9000	8.1	91.9	94.2	95.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 8000	8.4	92.8	94.8	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 7000	8.4	92.8	94.8	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 6000	8.4	92.8	94.8	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 5000	8.4	92.8	94.8	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 4500	8.4	92.9	95.2	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 4000	8.4	92.9	95.2	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 3500	8.4	92.9	95.2	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 3000	8.4	92.9	95.2	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 2500	8.4	93.2	95.5	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 2000	8.4	94.2	96.5	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	8.4	94.5	96.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	8.4	95.2	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

LL TORO, CALIFORNIA

73-82

JUL

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22

NO. OF OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	6.5	74.8	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 20000	6.5	75.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IVW 18000	6.5	75.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IVW 16000	6.5	72.8	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IVW 14000	6.5	76.1	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IVW 12000	6.5	77.1	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IVW 10000	6.5	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IVW 9000	6.5	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IVW 8000	6.5	79.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IVW 7000	6.5	79.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IVW 6000	6.5	79.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IVW 5000	6.5	79.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IVW 4500	6.5	79.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IVW 4000	6.5	75.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IVW 3500	6.5	79.0	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IVW 3000	6.5	79.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IVW 2500	6.5	79.7	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IVW 2000	7.1	80.7	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IVW 1800	7.1	81.6	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IVW 1500	7.6	85.8	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IVW 1200	7.7	90.7	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IVW 1000	8.1	96.5	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVW 900	8.1	97.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IVW 800	8.7	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVW 700	8.7	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVW 600	8.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVW 500	8.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVW 400	8.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVW 300	8.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVW 200	8.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVW 100	8.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IVW 0	8.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL 7070, CALIFORNIA

73-82

YEAR

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0		
NO CEILING	4.0	63.0	66.8	70.0	71.0	71.2	71.5	71.6	71.6	71.7	71.7	71.7	71.8	71.8	71.9	71.9
≥ 20000	4.7	64.3	67.9	71.0	72.0	72.3	72.5	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.9	72.9
≥ 18000	4.7	64.3	67.9	71.0	72.0	72.3	72.5	72.7	72.7	72.8	72.8	72.8	72.8	72.9	72.9	72.9
≥ 16000	4.7	64.3	67.9	71.0	72.0	72.3	72.5	72.7	72.7	72.8	72.8	72.8	72.8	72.9	72.9	72.9
≥ 14000	4.8	64.7	68.6	71.7	72.7	72.9	73.2	73.4	73.4	73.5	73.5	73.5	73.5	73.6	73.6	73.6
≥ 12000	4.8	65.2	69.1	72.3	73.4	73.6	73.8	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.2
IV 10000	4.8	66.5	70.4	73.7	74.7	74.9	75.2	75.3	75.3	75.4	75.4	75.4	75.5	75.5	75.6	75.6
IV 9000	4.8	66.5	70.4	73.7	74.7	74.9	75.2	75.3	75.3	75.4	75.4	75.4	75.5	75.5	75.6	75.6
IV 8000	4.8	66.9	70.9	74.2	75.2	75.5	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.1	76.1	76.1
IV 7000	4.8	66.9	70.9	74.2	75.2	75.5	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.1	76.1	76.1
IV 6000	4.8	66.9	70.9	74.2	75.2	75.5	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.1	76.1	76.1
IV 5000	4.8	67.1	71.1	74.4	75.5	75.7	76.0	76.1	76.1	76.3	76.3	76.3	76.3	76.4	76.4	76.4
IV 4500	4.8	67.1	71.1	74.4	75.5	75.7	76.0	76.1	76.1	76.3	76.3	76.3	76.3	76.4	76.4	76.4
IV 4000	4.8	67.1	71.1	74.4	75.5	75.7	76.0	76.1	76.1	76.3	76.3	76.3	76.3	76.4	76.4	76.4
IV 3500	4.8	67.2	71.3	74.6	75.7	75.9	76.1	76.3	76.3	76.4	76.4	76.4	76.5	76.5	76.5	76.5
IV 3000	4.8	67.3	71.3	74.6	75.7	76.0	76.2	76.4	76.4	76.5	76.5	76.5	76.5	76.6	76.6	76.6
IV 2500	4.8	67.3	71.3	74.6	75.7	76.0	76.2	76.4	76.4	76.5	76.5	76.5	76.5	76.6	76.6	76.6
IV 2000	4.8	67.3	71.3	74.6	75.7	76.0	76.2	76.4	76.4	76.5	76.5	76.5	76.5	76.6	76.6	76.6
IV 1800	4.8	68.0	72.9	76.4	77.5	77.7	78.0	78.2	78.2	78.3	78.3	78.3	78.3	78.4	78.4	78.4
IV 1500	5.0	72.3	76.7	80.2	81.4	81.6	81.9	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1200	5.3	75.9	80.7	84.4	85.9	86.2	86.4	86.6	86.6	86.7	86.7	86.7	86.7	86.8	86.8	86.8
IV 1000	5.3	77.7	85.1	89.7	91.6	92.0	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.6	92.6	92.6
IV 900	5.3	80.7	86.3	90.9	92.9	93.4	93.6	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.1	94.1
IV 800	5.3	81.3	87.7	91.9	94.2	94.7	95.0	95.3	95.3	95.5	95.5	95.5	95.5	95.7	95.7	95.7
IV 700	5.3	81.6	87.5	92.4	95.0	95.6	95.9	96.2	96.2	96.4	96.4	96.4	96.4	96.6	96.6	96.6
IV 600	5.3	81.6	87.5	92.4	95.0	95.6	95.9	96.2	96.2	96.4	96.4	96.4	96.4	96.6	96.6	96.6
IV 500	5.3	81.6	87.5	92.4	95.0	95.6	95.9	96.2	96.2	96.4	96.4	96.4	96.4	96.6	96.6	96.6
IV 400	5.3	82.0	88.2	93.4	96.3	97.1	97.6	97.9	97.9	98.2	98.3	98.3	98.3	98.4	98.4	98.4
IV 300	5.3	82.1	88.3	93.7	96.7	97.4	98.2	98.6	98.6	99.0	99.2	99.2	99.2	99.4	99.4	99.4
IV 200	5.3	82.1	88.3	93.7	96.8	97.6	98.3	98.7	98.7	99.2	99.4	99.4	99.4	99.6	99.6	99.6
IV 100	5.3	82.1	88.3	93.7	96.8	97.6	98.3	98.7	98.7	99.2	99.4	99.4	99.4	99.6	99.6	99.6
IV 0	5.3	82.1	88.3	93.7	96.8	97.6	98.3	98.7	98.7	99.2	99.4	99.4	99.4	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 2480

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TOFO, CALIFORNIA

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.2	4.7	52.3	53.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	4.2	4.7	53.2	54.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000	4.2	50.7	53.2	54.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 16000	4.2	50.7	53.2	54.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 14000	4.2	51.6	53.9	54.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 12000	4.2	51.6	54.5	55.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 10000	4.2	51.6	54.8	55.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 9000	4.2	51.6	54.8	55.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	4.2	52.3	55.2	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 7000	4.2	52.3	55.2	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 6000	4.2	52.3	55.2	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 5000	4.5	53.2	56.1	57.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4500	4.5	53.2	56.1	57.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4000	4.5	53.2	56.1	57.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 3500	4.5	53.6	56.5	57.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 3000	4.5	53.6	56.5	57.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 2500	4.5	54.5	57.4	58.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 2000	4.5	56.5	59.4	61.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 1800	4.5	57.4	60.3	61.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 1500	4.5	61.6	65.6	66.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 1200	4.5	66.7	72.3	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1000	4.8	76.4	83.2	84.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	4.8	81.3	86.1	87.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 800	4.8	84.5	89.7	91.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 700	4.8	85.2	90.7	92.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 600	4.8	93.8	91.3	93.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 500	4.8	86.1	91.9	94.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 400	4.8	86.1	92.3	95.2	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	4.8	86.1	92.3	95.2	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	4.8	86.1	92.3	95.2	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	4.8	86.1	92.3	95.2	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	4.8	86.1	92.3	95.2	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

73-82

YEAR

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0	
NO CEILING	2.6	33.6	36.1	36.5	36.5	36.5	37.1	37.1	37.1	37.1	37.4	37.4	37.4	37.4	37.4	
IV 20000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	
IV 18000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	
IV 16000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	
IV 14000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	
IV 12000	2.6	34.2	36.8	37.1	37.1	37.1	37.7	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	
IV 10000	2.6	35.2	37.7	38.1	38.1	38.1	38.7	38.7	38.7	38.7	39.0	39.0	39.0	39.0	39.0	
IV 9000	2.6	35.2	37.7	38.1	38.1	38.1	38.7	38.7	38.7	38.7	39.0	39.0	39.0	39.0	39.0	
IV 8000	2.6	35.5	38.1	38.4	38.4	38.4	39.0	39.0	39.0	39.0	39.4	39.4	39.4	39.4	39.4	
IV 7000	2.6	35.5	38.1	38.4	38.4	38.4	39.0	39.0	39.0	39.0	39.4	39.4	39.4	39.4	39.4	
IV 6000	2.6	35.5	38.1	38.4	38.4	38.4	39.0	39.0	39.0	39.0	39.4	39.4	39.4	39.4	39.4	
IV 5000	2.6	35.8	38.4	38.7	38.7	38.7	39.4	39.4	39.4	39.4	39.7	39.7	39.7	39.7	39.7	
IV 4500	2.6	35.8	38.4	38.7	38.7	38.7	39.4	39.4	39.4	39.4	39.7	39.7	39.7	39.7	39.7	
IV 4000	2.6	36.6	39.4	39.7	39.7	39.7	40.3	40.3	40.3	40.3	40.7	40.7	40.7	40.7	40.7	
IV 3500	2.9	37.7	40.3	40.7	40.7	40.7	41.3	41.3	41.3	41.3	41.6	41.6	41.6	41.6	41.6	
IV 3000	2.9	38.1	40.7	41.0	41.0	41.0	41.6	41.6	41.6	41.6	41.9	41.9	41.9	41.9	41.9	
IV 2500	2.9	36.7	41.3	41.6	41.6	41.6	42.3	42.3	42.3	42.3	42.6	42.6	42.6	42.6	42.6	
IV 2000	2.9	39.7	42.3	42.6	42.6	42.6	43.2	43.2	43.2	43.2	43.6	43.6	43.6	43.6	43.6	
IV 1800	2.9	40.7	43.2	43.6	43.6	43.6	44.2	44.2	44.2	44.2	44.5	44.5	44.5	44.5	44.5	
IV 1500	2.9	41.3	43.7	44.0	44.0	44.0	44.6	44.6	44.6	44.6	45.0	45.0	45.0	45.0	45.0	
IV 1200	2.9	54.6	57.4	57.7	57.7	57.7	58.4	58.4	58.4	58.4	58.7	58.7	58.7	58.7	58.7	
IV 1000	2.9	60.1	69.4	71.4	72.9	73.2	73.9	73.9	73.9	73.9	74.2	74.2	74.2	74.2	74.2	
IV 900	2.9	69.4	72.9	75.2	76.5	76.8	77.7	77.7	77.7	77.7	78.1	78.1	78.1	78.1	78.1	
IV 800	2.9	71.4	76.1	76.7	80.7	81.0	81.9	81.9	81.9	81.9	82.3	82.3	82.3	82.3	82.3	
IV 700	2.9	72.9	78.1	81.3	83.2	83.6	84.8	84.8	84.8	84.8	85.2	85.2	85.2	85.2	85.2	
IV 600	2.9	73.6	79.7	82.3	84.8	85.2	86.8	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	
IV 500	2.9	74.5	81.3	83.6	87.1	87.4	89.0	89.4	89.4	89.4	89.7	89.7	89.7	89.7	89.7	
IV 400	2.9	74.8	80.7	84.2	88.1	88.7	91.0	91.3	91.3	91.3	91.6	91.6	91.6	91.6	91.6	
IV 300	2.9	74.8	80.7	84.2	88.4	89.0	91.6	92.6	92.6	92.6	93.2	93.2	93.9	93.9	94.2	
IV 200	2.9	74.8	80.7	84.5	89.0	89.7	92.3	93.6	93.6	93.6	94.5	94.5	95.2	95.5	95.8	
IV 100	2.9	74.8	81.7	84.5	89.0	89.7	92.3	93.6	93.6	93.6	94.5	94.5	95.2	95.5	95.8	
0	2.9	74.8	81.7	84.5	89.0	89.7	92.3	93.6	93.6	93.6	94.5	94.5	95.2	95.5	95.8	

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA STATION NAME 73-82 YEARS AUG MONTH 07

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	1.2	1.7	23.9	27.1	28.7	30.0	30.3	30.3	30.3	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 20000	3.2	26.3	24.5	27.7	29.4	30.7	31.0	31.0	31.0	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 18000	3.2	26.3	24.5	27.7	29.4	30.7	31.0	31.0	31.0	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 16000	3.2	26.3	24.5	27.7	29.4	30.7	31.0	31.0	31.0	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 14000	3.2	21.5	25.5	28.7	30.3	31.6	31.9	31.9	31.9	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 12000	3.2	21.5	26.1	29.4	31.0	32.3	32.6	32.6	32.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 10000	3.2	22.9	27.1	30.7	32.3	33.6	33.9	33.9	33.9	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 9000	1.7	22.7	27.2	30.7	32.3	33.6	33.9	33.9	33.9	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 8000	3.2	23.2	27.4	31.0	32.6	33.9	34.2	34.2	34.2	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 7000	1.2	23.2	27.4	31.0	32.6	33.9	34.2	34.2	34.2	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 6000	3.2	23.6	27.7	31.3	32.9	34.2	34.5	34.5	34.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 5000	3.2	23.6	27.7	31.3	32.9	34.2	34.5	34.5	34.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 4500	3.2	23.6	27.7	31.3	32.9	34.2	34.5	34.5	34.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 4000	3.2	23.6	27.7	31.3	32.9	34.2	34.5	34.5	34.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 3500	3.6	24.5	29.0	32.6	34.2	35.5	35.8	35.8	35.8	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 3000	3.9	26.5	31.0	34.5	36.1	37.4	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 2500	3.9	26.5	31.0	34.5	36.1	37.4	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 2000	3.9	29.4	34.8	38.7	42.3	43.6	43.9	43.9	43.9	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 1800	3.9	30.3	35.8	39.7	43.3	44.6	44.9	44.9	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 1500	3.9	32.2	42.6	47.1	50.7	51.3	51.6	51.6	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 1200	3.9	38.7	49.7	54.5	57.4	59.0	59.4	59.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 1000	3.9	41.3	56.1	65.5	71.3	73.0	74.8	75.8	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 900	3.9	41.6	56.5	68.1	72.9	75.5	76.8	77.7	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 800	3.9	41.9	57.1	69.0	75.5	79.4	81.9	82.9	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 700	3.9	41.9	57.4	69.4	75.8	79.7	82.6	83.6	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 600	3.9	41.9	57.4	70.0	76.4	80.7	84.8	85.8	86.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 500	3.9	41.9	57.4	70.3	77.7	81.9	86.5	88.4	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0
≥ 400	3.9	41.9	57.4	71.0	78.4	82.9	87.7	90.0	90.3	91.3	91.6	91.6	91.9	91.9	91.9	91.9
≥ 300	3.9	41.9	57.4	71.0	78.4	83.2	88.4	92.0	92.3	93.6	94.2	94.2	95.2	95.5	95.5	95.5
≥ 200	3.9	41.9	57.4	71.0	78.4	83.2	88.7	91.3	91.6	93.9	95.2	95.2	96.8	96.8	97.4	98.4
≥ 100	3.9	41.9	57.4	71.0	78.4	83.2	88.7	91.3	91.6	93.9	95.2	95.2	96.8	97.1	97.7	99.0
≥ 0	3.9	41.9	57.4	71.0	78.4	83.2	88.7	91.3	91.6	93.9	95.2	95.2	96.8	97.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.5	49.4	61.3	71.0	77.7	78.1	78.4	78.4	79.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 20000	4.5	50.7	61.6	73.2	79.4	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 18000	4.5	51.0	62.3	73.9	80.0	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 14000	4.5	51.0	62.3	73.9	80.0	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 14000	4.8	51.0	62.9	74.5	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 12000	4.8	52.9	64.5	76.1	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 10000	4.8	53.9	65.5	77.4	83.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 9000	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 8000	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 7000	4.8	54.2	65.8	77.4	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 6000	4.8	54.2	66.1	77.7	84.2	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3000	4.8	54.8	66.5	78.1	84.5	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 4300	4.8	54.8	66.5	78.1	84.5	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 4000	4.8	55.2	67.1	78.7	85.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 3300	4.8	55.8	67.7	79.4	85.8	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3000	5.5	57.4	69.4	81.0	87.4	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 2500	5.5	58.4	71.3	81.9	88.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2000	5.5	58.4	71.3	82.9	89.4	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1800	5.5	59.0	71.9	83.9	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1500	5.5	61.3	74.5	87.1	93.6	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1200	5.5	63.2	76.8	89.7	96.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1000	5.5	63.9	77.4	91.3	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	5.5	63.9	77.4	91.3	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	5.5	63.9	77.4	91.3	98.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	5.5	63.9	77.4	91.3	98.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	5.5	63.9	77.4	91.3	98.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	5.5	63.9	77.4	91.3	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	5.5	63.9	77.4	91.3	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	5.5	63.9	77.4	91.3	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	5.5	63.9	77.4	91.3	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	5.5	63.9	77.4	91.3	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	5.5	63.9	77.4	91.3	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA STATION NAME

73-82 YEARS

AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13 DAYS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	6.5	73.9	81.3	86.5	89.7	90.1	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 20000	6.5	74.5	81.3	87.4	90.7	91.4	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 18000	6.5	74.5	81.6	87.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 16000	6.5	74.8	81.6	87.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 14000	6.5	75.2	81.9	88.1	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 12000	6.5	76.1	82.9	89.2	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 10000	6.5	76.8	83.6	89.7	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 9000	6.5	77.4	84.2	90.3	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 8000	6.5	77.7	84.5	90.7	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 7000	6.5	78.1	84.8	91.0	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 6000	6.5	78.1	84.8	91.0	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 5000	6.5	78.1	84.8	91.0	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 4500	6.5	78.4	85.2	91.3	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 4000	6.5	78.7	85.5	91.6	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 3500	7.4	79.7	86.5	92.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 3000	7.4	80.3	87.1	93.2	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 2500	7.4	80.7	87.4	93.6	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2000	7.4	81.6	88.4	94.5	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1800	7.4	81.9	88.7	94.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1500	7.4	82.3	89.7	95.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1200	7.4	82.6	89.4	95.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	7.4	82.6	89.4	95.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	7.4	82.6	89.4	95.5	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	7.4	82.6	89.4	95.5	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	7.4	82.6	89.4	95.5	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	7.4	82.6	89.4	95.5	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	7.4	82.6	89.4	95.5	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	7.4	82.6	89.4	95.5	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	7.4	82.6	89.4	95.5	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	7.4	82.6	89.4	95.5	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	7.4	82.6	89.4	95.5	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	7.4	82.6	89.4	95.5	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCFANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

73-82

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	11.0	81.0	87.1	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 20000	11.0	82.9	89.0	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IVY 18000	11.0	82.9	89.0	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IVY 14000	11.0	82.9	89.0	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IVY 14000	11.0	83.2	89.4	93.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IVY 12000	11.0	83.6	89.7	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IVY 10000	11.0	84.6	91.0	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IVY 9000	11.0	84.8	91.0	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IVY 8000	11.0	85.2	91.3	95.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IVY 7000	11.0	85.2	91.3	95.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IVY 6000	11.0	85.2	91.3	95.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IVY 5000	11.0	85.2	91.3	95.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IVY 4300	11.0	85.2	91.3	95.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IVY 4000	11.0	85.2	91.3	95.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IVY 3300	11.0	85.8	91.9	95.4	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IVY 3000	11.0	85.8	91.9	95.4	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IVY 2300	11.0	86.5	92.6	96.5	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IVY 2000	11.0	86.8	92.9	97.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVY 1800	11.0	86.8	92.9	97.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IVY 1500	11.0	87.4	93.6	97.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IVY 1200	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVY 1000	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVY 900	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVY 800	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVY 700	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVY 600	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVY 500	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVY 400	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVY 300	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVY 200	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVY 100	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVY 0	11.0	87.7	93.9	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

711
STATION

EL TORO, CALIFORNIA
STATION NAME

73-82
YEAR

17
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/4	≥ 2	≥ 1 1/4	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/4	≥ 3/4	≥ 3/4	≥ 3/16	≥ 1/2	≥ 0
NO CEILING	9.7	81.4	84.2	86.1	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 20000	9.7	83.6	86.8	86.7	86.7	86.7	89.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 18000	9.7	83.6	86.8	86.7	86.7	86.7	89.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 16000	9.7	83.9	87.1	89.0	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 14000	9.7	84.5	87.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 12000	9.7	85.5	89.1	91.1	91.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 10000	9.7	85.5	89.7	91.1	91.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 9000	9.7	85.8	89.4	91.3	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 8000	9.7	86.1	89.7	91.6	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 7000	9.7	86.5	90.0	91.9	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 6000	9.7	86.8	90.3	92.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 5000	9.7	86.8	90.3	92.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 4500	9.7	86.8	90.3	92.3	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 4000	10.0	87.1	90.7	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 3500	10.0	87.4	91.0	92.9	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 3000	10.0	88.1	91.9	93.9	93.0	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 2500	10.3	89.0	92.9	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 2000	10.3	89.0	92.9	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1800	10.3	89.0	92.9	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1500	10.3	91.0	95.2	97.7	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200	10.3	91.6	96.1	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	10.3	92.3	96.8	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TOPO, CALIFORNIA

73-82

YEAR

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22

NO. OF DAYS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.7	67.7	69.1	64.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 20000	7.7	69.4	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 18000	7.7	69.4	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 16000	7.7	69.4	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 14000	7.7	69.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 12000	7.7	70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 10000	7.7	71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 9000	7.7	71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 8000	7.7	71.3	72.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 7000	7.7	71.6	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 6000	7.7	71.6	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 5000	7.7	71.9	73.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 4500	7.7	71.9	73.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 4000	7.7	72.3	73.6	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 3500	7.7	72.6	73.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 3000	7.7	72.9	74.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 2500	7.7	73.2	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 2000	7.7	73.6	75.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 1800	7.7	76.1	77.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 1500	8.1	81.0	82.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1200	8.1	85.5	87.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1000	8.1	91.9	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 900	8.1	93.2	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 800	8.1	94.2	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700	8.1	94.5	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	8.1	94.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	8.1	94.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	8.1	94.5	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	8.1	94.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	8.1	94.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	8.1	94.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	8.1	94.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

73-92

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	66.2	57.0	61.7	66.2	66.8	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 20000	66.2	58.3	63.7	66.6	68.2	68.5	68.7	68.7	68.7	68.7	68.9	68.8	68.8	68.8	68.8	68.8
IV 18000	66.2	58.4	63.1	66.7	68.4	68.6	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9
IV 16000	66.2	58.4	63.2	66.7	68.4	68.6	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9
IV 14000	66.2	58.8	63.6	67.2	68.9	69.1	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 12000	66.2	59.6	64.4	68.2	69.7	69.9	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 10000	66.2	60.2	65.1	68.8	70.4	70.7	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0
IV 9000	66.2	60.4	65.3	68.9	70.6	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 8000	66.2	60.8	65.7	69.3	71.0	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 7000	66.2	60.8	65.7	69.3	71.0	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 6000	66.2	60.9	65.8	69.4	71.1	71.4	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 5000	66.3	61.2	66.1	69.7	71.4	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4500	66.3	61.2	66.1	69.7	71.4	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4000	66.3	61.5	66.5	70.2	71.9	72.1	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 3500	66.5	62.1	67.1	70.8	72.5	72.7	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3000	66.6	62.5	67.8	71.5	73.2	73.5	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8
IV 2500	66.7	63.5	68.5	72.1	73.8	74.1	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 2000	66.7	64.6	69.8	73.7	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 1800	66.7	65.2	70.4	74.2	75.9	76.2	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 1500	66.7	66.5	71.1	75.2	76.9	77.2	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 1200	66.7	71.0	77.8	82.0	83.4	84.2	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1000	66.7	75.5	82.7	87.9	90.4	90.9	91.2	91.3	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5
IV 900	66.7	76.5	83.7	89.0	91.5	92.1	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 800	66.7	77.4	84.7	90.2	93.0	93.8	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 700	66.7	77.6	85.2	90.8	93.6	94.4	95.1	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4
IV 600	66.7	77.9	85.4	91.2	94.1	94.9	95.8	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 500	66.7	77.9	85.7	91.5	94.6	95.6	96.5	96.8	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1
IV 400	66.7	78.0	85.7	91.7	95.3	96.1	97.2	97.5	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8
IV 300	66.7	78.0	85.8	91.8	95.1	96.2	97.4	97.9	97.9	98.2	98.4	98.4	98.6	98.6	98.6	98.7
IV 200	66.7	78.0	85.8	91.8	95.2	96.3	97.5	98.0	98.1	98.4	98.7	98.7	98.9	99.0	99.1	99.2
IV 100	66.7	78.0	85.8	91.8	95.2	96.3	97.5	98.0	98.1	98.6	98.8	98.8	99.3	99.3	99.4	99.7
IV 0	66.7	78.0	85.8	91.8	95.2	96.3	97.5	98.0	98.1	98.6	98.8	98.8	99.3	99.4	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2480

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA YEAR 73-82 MONTH AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF
HOURS (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	6.2	57.1	61.7	66.2	66.8	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 20000	6.2	58.3	63.7	68.6	68.2	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 18000	6.2	58.4	63.1	66.7	68.4	68.6	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9
IV 16000	6.2	58.4	63.2	66.7	68.4	68.6	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 14000	6.2	58.8	63.6	67.2	68.9	69.1	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 12000	6.2	59.6	64.4	68.0	69.7	69.9	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 10000	6.2	60.2	65.1	68.8	70.4	70.7	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0
IV 9000	6.2	60.4	65.3	68.9	70.6	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 8000	6.2	60.7	65.6	69.2	70.9	71.1	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 7000	6.2	60.8	65.7	69.3	71.0	71.3	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6
IV 6000	6.2	60.9	65.8	69.4	71.1	71.4	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 5000	6.3	61.2	66.1	69.7	71.4	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4500	6.3	61.2	66.1	69.7	71.4	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4000	6.3	61.5	66.5	70.2	71.9	72.1	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 3500	6.5	62.1	67.1	70.8	72.5	72.7	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3000	6.6	62.3	67.8	71.5	73.2	73.5	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8
IV 2500	6.7	63.5	68.5	72.1	73.8	74.1	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 2000	6.7	64.6	69.8	73.7	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 1800	6.7	65.2	70.4	74.2	75.9	76.2	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 1500	6.7	66.5	71.7	75.2	76.9	77.2	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 1200	6.7	71.6	77.0	82.0	83.7	84.2	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1000	6.7	75.5	82.7	87.3	90.4	90.9	91.2	91.3	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5
IV 800	6.7	76.5	83.7	88.3	91.5	92.1	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 600	6.7	77.4	84.7	89.3	92.5	93.1	93.5	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 400	6.7	77.6	85.2	89.8	93.0	93.6	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 300	6.7	77.8	85.4	90.2	94.1	94.9	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 200	6.7	77.9	85.7	91.5	94.6	95.6	96.5	96.8	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1
IV 100	6.7	78.0	85.7	91.7	95.3	96.1	97.2	97.5	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8
IV 0	6.7	78.0	85.8	91.8	95.1	96.2	97.4	97.9	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4
IV 0	6.7	78.0	85.8	91.8	95.2	96.3	97.5	98.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 2480

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION FL TOPS, CALIFORNIA

73-92

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOON

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.7	47.7	51.3	51.7	52.3	53.0	53.3	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 20000	2.7	48.0	51.7	52.3	53.3	54.0	54.3	54.3	54.3	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 18000	2.7	48.3	51.0	52.3	53.3	54.0	54.3	54.3	54.3	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 16000	2.7	48.3	51.0	52.3	53.3	54.0	54.3	54.3	54.3	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 14000	2.7	48.7	51.3	52.7	53.7	54.3	54.7	54.7	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 12000	2.7	49.3	52.7	53.3	54.3	55.0	55.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 10000	2.7	49.7	52.3	53.7	54.7	55.3	55.7	55.7	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 9000	2.7	49.7	52.3	53.7	54.7	55.3	55.7	55.7	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 8000	2.7	50.3	53.0	54.3	55.3	56.0	56.3	56.3	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 7000	2.7	50.3	54.0	55.3	56.3	57.0	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 6000	2.7	51.3	54.7	55.3	56.3	57.0	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 5000	2.7	52.0	54.7	55.3	57.0	57.7	58.0	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 4500	2.7	52.0	55.0	56.3	57.0	58.0	58.3	58.3	58.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 4000	2.7	53.7	56.7	58.0	59.0	59.7	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 3500	2.7	53.7	58.7	58.0	57.7	59.7	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 3000	2.7	55.0	58.0	59.3	60.0	61.0	61.3	61.3	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 2500	2.7	56.7	60.7	61.7	62.7	63.3	63.7	63.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 2000	2.7	59.3	63.7	64.7	65.7	66.3	66.7	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 1800	2.7	60.3	64.0	65.7	66.7	67.3	67.7	67.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 1500	2.7	67.3	71.0	73.0	74.0	74.7	75.0	75.0	75.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 1200	2.7	70.7	75.0	77.7	79.7	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 1000	3.0	76.3	81.0	84.0	86.0	86.7	87.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 900	3.0	77.0	82.3	85.0	87.0	87.7	88.0	88.3	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 800	3.0	77.7	83.3	86.0	88.0	89.0	89.3	89.7	89.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0
IV 700	3.0	79.0	85.0	87.7	90.7	90.7	91.0	91.3	91.3	92.3	93.0	93.0	93.0	93.0	93.0	93.0
IV 600	3.0	79.3	86.0	88.7	91.0	91.7	92.0	92.7	92.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7
IV 500	3.0	79.3	86.7	89.3	92.0	92.7	93.7	94.3	94.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	3.0	79.3	86.7	89.3	92.0	92.7	93.7	94.3	94.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0
IV 300	3.0	79.3	86.7	89.7	92.3	93.0	94.3	95.0	95.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0
IV 200	3.0	79.3	87.0	90.0	92.7	93.3	95.3	96.0	96.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	3.0	79.3	87.0	90.0	92.7	93.3	95.3	96.0	96.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	3.0	79.3	87.0	90.0	92.7	93.3	95.3	96.0	96.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: 11 TOPG, CALIFORNIA

YEAR: 73-82

MONTH: SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF OBSERVATIONS: 300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/4	≥ 0
NO CEILING	7.3	30.3	41.3	41.3	42.3	42.7	44.0	44.0	44.3	44.3	44.7	44.7	45.0	45.0	45.0	45.7
≥ 20000	7.3	30.7	41.7	42.0	43.7	43.7	44.7	44.7	45.7	45.0	45.3	45.3	45.7	45.7	45.7	46.3
IV 18000	2.3	30.7	40.7	42.0	43.7	43.3	44.7	44.7	45.7	45.0	45.3	45.3	45.7	45.7	45.7	46.3
IV 14000	2.3	30.7	40.7	42.0	43.7	43.3	44.7	44.7	45.7	45.0	45.3	45.3	45.7	45.7	45.7	46.3
IV 14000	2.3	30.0	41.0	42.3	43.3	43.7	45.0	45.0	45.3	45.3	45.7	45.7	46.0	46.3	46.0	46.7
IV 12000	2.3	30.7	41.7	43.7	44.7	44.3	45.7	45.7	46.0	46.0	46.3	46.3	46.7	46.7	46.7	47.3
IV 10000	2.3	40.3	42.3	43.7	44.7	45.1	46.3	46.3	46.7	46.7	47.0	47.0	47.3	47.7	47.3	48.0
IV 9000	2.3	40.3	42.3	43.7	44.7	45.1	46.3	46.3	46.7	46.7	47.0	47.0	47.3	47.7	47.3	48.0
IV 8000	2.3	40.7	42.7	44.0	45.0	45.3	46.7	46.7	47.0	47.0	47.3	47.3	47.7	47.7	47.7	48.3
IV 7000	2.3	41.7	43.0	44.3	45.3	45.7	47.0	47.0	47.3	47.3	47.7	47.7	48.0	48.0	48.0	48.7
IV 6000	2.3	41.7	43.0	44.3	45.3	45.7	47.0	47.0	47.3	47.3	47.7	47.7	48.0	48.0	48.0	48.7
IV 5000	2.3	41.3	43.7	45.3	46.0	46.3	47.7	47.7	48.7	48.0	48.3	48.3	48.7	48.7	48.7	49.3
IV 4500	2.3	41.7	44.0	45.3	46.3	46.7	48.0	48.0	48.3	48.3	48.7	48.7	49.0	49.0	49.0	49.7
IV 4000	2.3	43.0	45.3	46.7	47.7	48.0	49.3	49.3	49.7	49.7	50.0	50.0	50.3	50.3	50.3	51.0
IV 3500	2.3	43.0	45.3	46.7	47.7	48.0	49.3	49.3	49.7	49.7	50.0	50.0	50.3	50.3	50.3	51.0
IV 3000	2.3	45.3	47.7	49.0	50.7	50.3	51.7	51.7	52.0	52.0	52.3	52.3	52.7	52.7	52.7	53.3
IV 2500	2.3	40.3	48.7	51.0	51.3	51.7	53.0	53.0	53.3	53.3	53.7	53.7	54.0	54.0	54.0	54.7
IV 2000	2.3	40.7	52.0	53.7	55.7	55.3	56.7	56.7	57.0	57.0	57.3	57.3	57.7	57.7	57.7	58.3
IV 1800	2.3	51.7	54.3	56.0	57.3	57.7	59.0	59.0	59.3	59.3	59.7	59.7	60.0	60.0	60.0	60.7
IV 1500	2.3	51.7	61.7	63.0	64.3	64.7	66.7	66.7	66.3	66.3	66.7	66.7	67.0	67.0	67.0	67.7
IV 1200	2.3	61.7	65.3	67.3	69.0	69.7	71.0	71.0	71.3	71.3	71.7	71.7	72.0	72.0	72.0	72.7
IV 1000	2.3	60.0	72.7	75.3	78.0	78.7	80.7	80.7	81.3	81.0	81.3	81.3	81.7	81.7	81.7	82.3
IV 900	2.3	67.0	74.3	77.3	80.7	80.7	82.7	82.7	83.0	83.0	83.3	83.3	83.7	83.7	83.7	84.3
IV 800	2.7	70.0	76.0	79.0	82.0	83.0	85.0	85.0	85.7	85.3	85.7	85.7	86.0	86.0	86.0	86.7
IV 700	2.7	70.3	76.7	80.0	84.0	85.0	87.0	87.0	87.3	87.3	87.7	87.7	88.0	88.0	88.0	88.7
IV 600	2.7	71.3	78.3	82.3	87.0	88.3	90.3	90.3	90.7	90.7	91.0	91.0	91.3	91.3	91.3	92.0
IV 500	2.7	71.7	78.7	82.7	87.7	89.0	91.7	92.0	92.3	92.7	93.3	93.3	93.7	93.7	94.0	94.7
IV 400	2.7	70.7	78.7	82.7	88.0	89.3	92.0	93.3	93.7	94.0	94.7	94.7	95.3	95.3	95.7	96.3
IV 300	2.7	71.7	78.7	82.7	88.0	89.3	92.0	93.7	94.0	94.7	95.7	95.7	96.7	96.7	97.0	97.7
IV 200	2.7	71.7	78.7	82.7	88.0	89.3	92.0	93.7	94.0	94.7	95.7	95.7	96.7	96.7	97.3	98.0
IV 100	2.7	71.7	78.7	82.7	88.0	89.3	92.0	93.7	94.0	94.7	96.0	96.0	97.3	97.3	98.0	99.7
IV 0	2.7	71.7	78.7	82.7	88.0	89.3	92.0	93.7	94.0	94.7	96.0	96.0	97.7	97.7	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

NO. STATION

EL TORO, CALIFORNIA

73-82

YEAR

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO.

OF

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0	≥ 0	
NO CEILING	2.7	29.0	33.3	35.3	36.3	36.7	37.0	37.0	37.3	37.3	37.3	37.3	37.3	37.7	37.7	37.7	37.7
≥ 20000	2.7	3.0	34.3	36.3	37.7	38.7	38.3	38.3	39.7	38.7	38.7	38.7	38.7	39.0	39.0	39.0	39.0
IV 18000	2.7	30.0	34.3	36.3	37.7	38.7	38.3	38.3	38.7	38.7	38.7	38.7	38.7	39.0	39.0	39.0	39.0
IV 16000	2.7	30.0	34.3	36.3	37.7	38.7	38.3	38.3	38.7	38.7	38.7	38.7	38.7	39.0	39.0	39.0	39.0
IV 14000	2.7	30.3	35.0	37.0	38.3	38.7	39.0	39.0	39.3	39.3	39.3	39.3	39.3	39.7	39.7	39.7	39.7
IV 12000	2.7	31.3	35.7	37.7	39.3	39.7	40.0	40.0	40.3	40.3	40.3	40.3	40.3	40.7	40.7	40.7	40.7
IV 10000	2.7	31.3	36.3	38.3	40.7	40.3	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 9000	2.7	31.3	36.3	38.3	40.7	40.3	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 8000	2.7	32.3	37.3	39.3	41.7	41.3	41.7	41.7	42.0	42.0	42.0	42.0	42.0	42.3	42.3	42.3	42.3
IV 7000	2.7	33.3	38.3	40.3	42.0	42.3	42.7	42.7	43.0	43.0	43.0	43.0	43.0	43.3	43.3	43.3	43.3
IV 6000	2.7	33.7	38.7	40.7	42.3	42.7	43.0	43.0	43.3	43.3	43.3	43.3	43.3	43.7	43.7	43.7	43.7
IV 5000	2.7	34.3	39.3	41.3	43.3	43.3	43.7	43.7	44.0	44.0	44.0	44.0	44.0	44.3	44.3	44.3	44.3
IV 4500	2.7	34.7	39.7	41.7	43.3	43.7	44.0	44.0	44.3	44.3	44.3	44.3	44.3	44.7	44.7	44.7	44.7
IV 4000	2.7	35.3	41.3	43.3	45.0	45.0	46.0	46.0	46.3	46.3	46.3	46.3	46.3	46.7	46.7	46.7	46.7
IV 3500	3.0	36.7	41.7	43.7	45.3	46.0	46.3	46.3	46.7	46.7	46.7	46.7	46.7	47.0	47.0	47.0	47.0
IV 3000	3.0	36.7	43.7	46.0	47.7	48.7	49.0	49.0	49.3	49.3	49.3	49.3	49.3	49.7	49.7	49.7	49.7
IV 2500	3.0	40.3	45.3	47.7	49.3	50.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	52.0	52.0	52.0	52.0
IV 2000	3.0	42.3	46.3	52.0	54.0	55.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.7	56.7	56.7	56.7
IV 1800	3.0	43.7	51.0	53.7	55.7	56.7	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.3	58.3	58.3	58.3
IV 1500	3.0	45.0	57.3	60.7	62.7	63.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.3	65.3	65.3	65.3
IV 1200	3.0	50.7	59.7	64.7	68.7	70.3	71.3	71.3	71.7	71.7	71.7	71.7	71.7	72.0	72.0	72.0	72.0
IV 1000	3.0	51.7	61.7	67.7	74.3	76.0	77.7	77.7	78.0	78.3	78.3	78.3	78.3	78.7	78.7	78.7	78.7
IV 900	3.0	52.3	63.3	69.3	76.3	78.0	79.7	79.7	80.0	80.3	80.3	80.3	80.3	80.7	80.7	80.7	80.7
IV 800	3.0	52.3	63.7	70.3	77.3	79.7	81.3	82.0	82.3	82.3	82.3	82.3	82.3	83.0	83.0	83.0	83.0
IV 700	3.0	52.3	63.7	70.3	78.3	80.7	82.7	83.3	83.7	84.7	84.7	84.7	84.7	85.0	85.0	85.0	85.0
IV 600	3.0	52.3	63.7	70.3	79.3	82.0	84.7	85.7	86.0	87.7	87.7	87.7	87.7	88.0	88.0	88.0	88.0
IV 500	3.0	52.3	63.7	70.3	79.7	82.3	86.0	87.3	87.7	90.7	91.0	91.0	91.0	91.3	91.3	91.3	91.3
IV 400	3.0	52.3	63.7	70.3	79.7	82.3	86.0	88.0	88.3	92.3	92.7	92.7	92.7	93.0	93.0	93.0	93.0
IV 300	3.0	52.3	63.7	70.3	79.7	82.3	86.0	88.3	88.7	93.0	94.0	94.0	94.0	95.0	95.0	95.0	95.0
IV 200	3.0	52.3	63.7	70.3	79.7	82.3	86.0	88.3	88.7	93.0	94.0	94.0	94.0	95.0	95.0	95.0	95.0
IV 100	3.0	52.3	63.7	70.3	79.7	82.3	86.0	88.3	88.7	93.0	94.0	94.0	94.0	95.0	95.0	95.0	95.0
0	3.0	52.3	63.7	70.3	79.7	82.3	86.0	88.3	88.7	93.0	94.0	94.0	94.0	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA
STATION NAME

73-82
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
NOV 1957

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING	3.7	41.0	49.0	55.3	59.7	61.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000	3.7	42.0	51.0	57.7	62.0	63.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 18000	3.7	43.0	51.3	57.7	62.0	63.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 16000	3.7	43.0	51.3	57.7	62.0	63.3	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 14000	3.7	43.0	52.0	58.3	62.7	64.0	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 12000	3.7	43.7	52.7	59.0	63.3	64.7	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 10000	3.7	43.7	52.7	59.3	63.7	65.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 9000	3.7	43.7	52.7	59.3	63.7	65.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 8000	3.7	44.7	53.7	60.3	64.7	66.0	67.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 7000	3.7	45.0	54.0	61.0	65.3	66.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 6000	3.7	45.0	54.0	61.0	65.3	66.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 5000	3.7	45.0	54.0	61.0	65.3	66.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 4300	3.7	45.0	54.7	61.7	66.0	67.3	68.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 4000	3.7	47.0	56.3	63.3	68.0	69.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3500	3.7	48.0	57.3	64.3	69.0	70.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 3000	3.7	51.3	60.7	67.7	72.7	74.0	75.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 2500	3.7	53.7	63.3	71.3	76.0	77.3	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 2000	3.7	58.0	67.7	75.7	81.7	83.0	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1800	3.7	58.0	68.0	76.0	82.0	83.3	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1500	3.7	63.0	73.7	82.7	88.7	90.7	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1200	3.7	63.3	74.7	84.0	90.7	92.7	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1000	3.7	63.7	75.3	85.3	93.0	95.3	96.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	3.7	63.7	75.7	85.7	93.3	95.7	98.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	3.7	63.7	75.7	85.7	93.3	95.7	98.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	3.7	63.7	75.7	85.7	93.3	95.7	98.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	3.7	63.7	75.7	85.7	93.3	96.0	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	3.7	63.7	75.7	85.7	93.3	96.0	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	3.7	63.7	75.7	85.7	93.3	96.0	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	3.7	63.7	75.7	85.7	93.3	96.0	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	3.7	63.7	75.7	85.7	93.3	96.3	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	3.7	63.7	75.7	85.7	93.7	96.3	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	3.7	63.7	75.7	85.7	93.7	96.3	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TOPO, CALIFORNIA

73-82

SEP

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	4.7	58.2	68.2	74.3	76.9	77.3	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 20000	4.7	58.2	68.2	74.3	76.9	77.3	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 18000	4.7	60.2	70.6	76.6	79.3	79.6	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 16000	4.7	60.2	70.6	76.6	79.3	79.6	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 14000	4.7	60.2	70.6	76.6	79.3	79.6	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 12000	4.7	60.2	70.6	76.6	79.3	79.6	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 10000	4.7	61.2	71.6	77.6	80.3	80.6	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 9000	4.7	61.2	71.6	77.6	80.3	80.6	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 8000	4.7	61.2	71.6	77.6	80.3	80.6	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 7000	4.7	61.9	72.2	78.3	80.9	81.3	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 6000	4.7	61.9	72.6	78.6	81.3	81.6	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 5000	4.7	61.9	72.6	78.6	81.3	81.6	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4500	4.7	62.2	72.9	78.9	81.6	81.9	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4000	4.7	63.2	74.3	80.3	82.9	83.3	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3500	4.7	64.2	75.3	81.6	84.3	84.6	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 3000	4.7	66.9	77.9	84.3	87.3	87.3	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2500	4.7	68.9	79.9	86.6	89.6	90.3	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2000	4.7	70.9	81.9	89.3	92.3	93.0	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1800	5.0	72.9	82.9	90.3	93.3	94.0	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1500	5.0	74.6	85.6	93.3	96.3	97.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1200	5.0	74.6	85.6	93.3	96.3	97.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	5.0	74.9	86.0	93.7	97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

FL TOPO, CALIFORNIA

STATION NAME

73-82

YEAR

SEP

16

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	6.0	66.3	72.0	75.7	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 20000	6.0	66.3	74.0	74.0	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 18000	6.0	66.3	74.0	75.3	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 14000	6.0	69.7	74.0	76.0	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 14000	6.0	66.3	74.0	75.0	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 12000	6.0	69.7	74.3	75.3	81.3	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 10000	6.0	69.7	75.3	79.3	82.3	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 9000	6.0	69.7	75.3	79.3	82.3	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 8000	6.0	69.7	75.3	79.3	82.3	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 7000	6.0	69.7	75.3	72.7	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 6000	6.0	69.7	76.0	80.0	83.0	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 5000	6.0	70.7	77.0	81.0	84.0	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 4500	6.0	71.3	77.7	81.7	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 4000	6.0	72.3	76.7	82.7	85.7	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 3500	6.0	73.0	79.3	83.7	86.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3000	6.0	76.3	82.3	86.7	89.7	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 2500	6.0	78.0	84.7	89.3	92.3	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 2000	6.0	79.0	85.7	91.3	93.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1800	6.0	79.7	86.3	91.0	94.0	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1500	6.0	82.0	89.3	94.3	97.3	96.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1200	6.0	82.7	91.0	95.0	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	6.0	83.0	90.3	95.3	98.3	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	6.0	83.0	90.3	95.3	98.3	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	6.0	83.0	90.3	95.3	98.3	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	6.0	83.0	90.3	95.3	98.3	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	6.0	83.0	90.3	95.3	98.3	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	6.0	83.3	90.7	95.7	98.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	6.0	83.3	90.7	95.7	98.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	6.0	83.3	90.7	95.7	98.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	6.0	83.3	90.7	95.7	98.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	6.0	83.3	90.7	95.7	98.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	6.0	83.3	90.7	95.7	98.7	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TOPO, CALIFORNIA

73-82

SEP

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19
HOURS IN DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	5.3	50.3	71.0	71.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 20000	5.3	65.3	71.7	72.3	73.7	73.7	73.7	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 18000	5.3	68.3	71.7	72.3	73.7	73.7	73.7	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 16000	5.3	66.3	71.7	72.3	73.7	73.7	73.7	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 14000	5.7	69.0	72.3	73.0	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 12000	5.7	71.0	74.3	75.0	76.3	76.3	76.3	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 10000	6.0	72.0	75.3	76.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 9000	6.0	72.0	75.3	76.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 8000	6.0	73.0	76.3	77.0	78.3	78.3	78.3	78.3	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 7000	6.0	73.0	77.0	77.7	79.0	79.0	79.0	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 6000	6.0	74.0	77.7	78.3	79.7	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 5000	6.3	75.0	78.7	79.3	80.7	80.7	80.7	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4500	6.3	75.0	79.0	79.7	81.0	81.0	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4000	6.3	76.3	80.0	80.7	82.0	82.0	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3500	7.0	76.0	82.0	82.7	84.0	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3000	7.0	76.7	82.7	83.7	85.0	85.0	85.0	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2500	7.0	78.3	83.7	84.7	86.0	86.0	86.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2000	7.0	81.0	85.3	86.3	87.7	87.7	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1800	7.0	82.7	87.3	88.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1500	7.0	85.7	91.0	92.3	93.7	93.7	93.7	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1200	7.0	88.3	94.7	96.3	97.3	97.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	7.0	89.0	95.3	96.7	98.0	98.0	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	7.0	89.0	95.3	96.7	98.0	98.0	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0	7.0	89.0	95.3	97.0	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL 1090, CALIFORNIA STATION NAME

73-82 YEAR

SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.7	6.2	64.7	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	4.7	6.2	64.7	66.7	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 18000	4.7	6.3	64.7	66.7	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 14000	4.7	6.3	65.0	66.3	67.0	67.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 12000	4.7	6.3	65.3	66.7	67.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 10000	5.3	6.5	65.7	68.0	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 9000	5.3	6.5	66.7	68.0	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 8000	5.0	6.5	67.3	68.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 7000	5.0	6.6	67.7	69.0	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 6000	5.0	6.6	68.3	69.7	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 5000	5.0	6.7	69.7	71.0	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4500	5.0	6.8	70.0	71.3	72.3	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 4000	5.0	6.8	70.7	72.0	73.0	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 3500	5.0	6.9	71.0	72.3	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 3000	5.0	7.0	72.0	73.3	74.3	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 2500	5.0	7.1	73.0	74.3	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 2000	5.0	7.5	77.0	78.3	79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1800	5.0	7.6	78.7	80.0	81.0	81.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1500	6.0	80.0	82.0	83.3	84.3	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1200	6.3	84.7	87.7	89.7	90.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1000	6.3	87.7	91.7	93.0	94.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 900	6.3	88.3	91.7	94.0	95.3	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 800	6.3	89.0	92.7	95.3	96.7	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	6.3	89.3	93.7	96.3	97.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	6.3	89.3	94.7	96.7	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	6.3	89.7	94.3	97.0	98.3	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	6.3	89.7	94.7	97.3	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	6.3	89.7	94.7	97.3	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	6.3	89.7	94.7	97.3	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	6.3	89.7	94.7	97.3	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	6.3	89.7	94.7	97.3	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

73-82

YEAR

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.7	51.4	56.0	58.8	60.4	61.0	61.6	61.7	61.8	61.9	62.0	62.1	62.1	62.1	62.2
IV 20000	3.9	52.5	57.3	60.2	62.7	62.4	63.0	63.2	63.2	63.4	63.4	63.5	63.5	63.5	63.6
IV 18000	3.7	52.5	57.3	60.2	62.7	62.4	63.0	63.2	63.2	63.4	63.4	63.4	63.5	63.5	63.6
IV 16000	3.9	52.5	57.3	60.2	62.7	62.4	63.0	63.2	63.2	63.4	63.4	63.4	63.5	63.5	63.6
IV 14000	4.0	52.7	57.7	60.5	62.4	62.8	63.4	63.5	63.6	63.7	63.8	63.8	63.9	63.9	63.9
IV 12000	4.1	53.5	58.4	61.3	63.3	63.7	64.3	64.4	64.5	64.6	64.7	64.7	64.7	64.7	64.8
IV 10000	4.1	54.1	59.1	62.3	64.1	64.4	65.0	65.1	65.2	65.3	65.4	65.4	65.4	65.4	65.5
IV 9000	4.1	54.1	59.1	62.3	64.1	64.4	65.0	65.1	65.2	65.3	65.4	65.4	65.4	65.4	65.5
IV 8000	4.0	54.7	59.7	62.6	64.6	65.0	65.6	65.7	65.8	65.9	65.9	65.9	66.0	66.0	66.1
IV 7000	4.0	55.2	60.2	63.2	65.2	65.6	66.2	66.3	66.4	66.5	66.6	66.6	66.7	66.7	66.7
IV 6000	4.0	55.4	60.5	63.5	65.5	65.9	66.5	66.6	66.7	66.8	66.9	66.9	66.9	66.9	67.0
IV 5000	4.1	55.9	61.2	64.2	66.2	66.6	67.2	67.3	67.4	67.5	67.6	67.6	67.7	67.7	67.7
IV 4500	4.1	56.3	61.6	64.6	66.6	67.0	67.6	67.8	67.8	67.9	67.9	67.9	68.0	68.0	68.1
IV 4000	4.1	57.6	62.9	65.9	67.9	68.4	69.1	69.1	69.2	69.3	69.3	69.3	69.4	69.4	69.5
IV 3500	4.2	58.2	63.9	66.8	68.7	69.1	69.7	69.8	69.9	70.0	70.1	70.1	70.2	70.2	70.2
IV 3000	4.3	60.2	65.6	68.7	70.8	71.3	71.9	72.0	72.1	72.2	72.3	72.3	72.4	72.4	72.5
IV 2500	4.3	61.4	67.3	70.7	72.8	73.4	74.1	74.2	74.3	74.4	74.5	74.5	74.5	74.5	74.6
IV 2000	4.4	64.4	71.2	73.8	76.1	76.7	77.4	77.5	77.6	77.7	77.7	77.7	77.8	77.8	77.9
IV 1800	4.4	65.6	71.6	75.1	77.8	78.1	78.7	78.8	78.9	79.0	79.1	79.1	79.2	79.2	79.2
IV 1500	4.5	67.9	76.4	81.3	82.7	83.4	84.1	84.2	84.3	84.5	84.5	84.5	84.6	84.6	84.7
IV 1200	4.5	72.0	79.1	83.5	86.2	87.1	87.8	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.4
IV 1000	4.4	74.3	81.7	86.4	89.9	90.8	91.7	92.0	92.0	92.3	92.3	92.3	92.4	92.4	92.5
IV 900	4.4	74.6	82.4	87.1	90.7	91.6	92.6	92.9	93.0	93.2	93.3	93.3	93.3	93.3	93.4
IV 800	4.7	75.0	82.9	87.7	91.5	92.5	93.5	93.9	94.0	94.3	94.4	94.4	94.5	94.5	94.6
IV 700	4.7	75.2	83.3	88.3	92.2	93.3	94.3	94.7	94.9	95.2	95.3	95.3	95.4	95.4	95.5
IV 600	4.7	75.4	83.7	88.8	92.9	94.1	95.3	95.8	95.9	96.3	96.5	96.5	96.5	96.5	96.6
IV 500	4.7	75.5	83.9	88.9	93.2	94.4	95.8	96.5	96.6	97.3	97.5	97.5	97.6	97.7	97.8
IV 400	4.7	75.5	83.9	89.0	93.3	94.5	96.0	96.9	97.0	97.8	98.0	98.0	98.1	98.2	98.3
IV 300	4.7	75.5	83.9	89.0	93.3	94.5	96.0	96.9	97.0	97.8	98.0	98.0	98.1	98.2	98.3
IV 200	4.7	75.5	84.0	89.0	93.4	94.6	96.2	97.1	97.2	98.3	98.6	98.6	98.9	99.0	99.1
IV 100	4.7	75.5	84.0	89.0	93.4	94.6	96.2	97.1	97.2	98.3	98.6	98.6	98.9	99.0	99.1
IV 0	4.7	75.5	84.0	89.0	93.4	94.6	96.2	97.1	97.2	98.3	98.6	98.6	98.9	99.0	99.1

TOTAL NUMBER OF OBSERVATIONS 2399

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NO
37101

STATION NAME
EL TORO, CALIFORNIA

YEAR
73-82

MONTH
OCT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)
01

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/10	≥ 0
NO CEILING	10.1	11.3	52.3	54.2	55.2	55.2	56.5	56.8	56.8	57.1	57.5	57.5	57.5	57.5	57.5	57.8
≥ 20000	10.4	52.3	54.2	56.5	57.8	57.8	59.3	59.4	59.4	59.7	60.1	60.4	60.4	60.4	60.4	60.4
IV 18000	10.4	52.6	54.6	56.6	58.1	58.1	59.4	59.7	59.7	60.1	60.4	60.4	60.4	60.4	60.4	60.7
IV 16000	10.4	52.6	54.6	56.6	58.1	58.1	59.4	59.7	59.7	60.1	60.4	60.4	60.4	60.4	60.4	60.7
IV 14000	10.4	52.9	54.9	57.1	58.4	58.4	59.7	60.1	60.1	60.4	60.7	60.7	60.7	60.7	60.7	61.0
IV 12000	10.7	53.9	55.8	58.1	59.4	59.4	60.7	61.2	61.2	61.4	61.7	61.7	61.7	61.7	61.7	62.0
IV 10000	11.0	55.5	57.5	59.7	61.0	61.0	62.3	62.7	62.7	63.0	63.3	63.3	63.3	63.3	63.3	63.6
IV 9000	11.0	55.5	57.5	59.7	61.0	61.0	62.3	62.7	62.7	63.0	63.3	63.3	63.3	63.3	63.3	63.6
IV 8000	11.4	55.8	57.8	60.1	61.4	61.4	62.7	63.0	63.0	63.3	63.6	63.6	63.6	63.6	63.6	64.0
IV 7000	11.4	55.8	57.8	60.1	61.4	61.4	62.7	63.0	63.0	63.3	63.6	63.6	63.6	63.6	63.6	64.0
IV 6000	11.4	55.8	57.8	60.1	61.4	61.4	62.7	63.0	63.0	63.3	63.6	63.6	63.6	63.6	63.6	64.0
IV 5000	11.4	55.8	57.8	60.1	61.4	61.4	62.7	63.0	63.0	63.3	63.6	63.6	63.6	63.6	63.6	64.0
IV 4500	11.4	56.5	58.8	61.4	62.7	62.7	64.0	64.3	64.3	64.6	64.9	64.9	64.9	64.9	64.9	65.3
IV 4000	11.4	57.1	59.1	61.7	63.0	63.0	64.3	64.6	64.6	64.9	65.3	65.3	65.3	65.3	65.3	65.6
IV 3500	12.0	58.4	60.4	63.0	64.3	64.3	65.6	65.9	65.9	66.2	66.6	66.6	66.6	66.6	66.6	66.9
IV 3000	12.0	59.1	61.0	63.6	64.9	64.9	66.2	66.6	66.6	66.9	67.2	67.2	67.2	67.2	67.2	67.5
IV 2500	12.7	61.7	63.6	66.2	67.5	67.5	68.8	69.2	69.2	69.5	69.8	69.8	69.8	69.8	69.8	70.1
IV 2000	12.7	63.1	64.9	67.5	68.8	68.8	70.1	70.5	70.5	70.8	71.1	71.1	71.1	71.1	71.1	71.4
IV 1800	12.7	63.3	65.3	67.9	69.2	69.2	70.5	70.8	70.8	71.1	71.4	71.4	71.4	71.4	71.4	71.8
IV 1500	12.7	67.5	69.8	73.1	74.7	74.7	76.0	76.3	76.3	76.6	77.0	77.0	77.0	77.0	77.0	77.3
IV 1200	12.7	69.8	72.1	75.7	77.3	77.3	78.6	78.9	78.9	79.2	79.6	79.6	79.6	79.6	79.6	79.9
IV 1000	12.7	72.1	74.4	78.0	80.5	80.5	82.5	82.8	82.8	83.1	83.4	83.4	83.4	83.4	83.4	83.8
IV 900	12.7	72.4	75.7	79.0	81.8	81.8	83.8	84.1	84.1	84.4	84.7	84.7	84.7	84.7	84.7	85.1
IV 800	12.7	72.4	75.7	79.0	81.8	81.8	83.8	84.1	84.1	84.4	84.7	84.7	84.7	84.7	84.7	85.1
IV 700	12.7	72.4	75.7	79.0	81.8	81.8	83.8	84.1	84.1	84.4	84.7	84.7	84.7	84.7	84.7	85.1
IV 600	12.7	73.1	77.3	82.1	85.4	85.4	87.0	87.3	87.3	87.6	87.9	87.9	87.9	87.9	87.9	88.3
IV 500	12.7	73.1	77.3	82.1	85.4	85.4	87.0	87.3	87.3	87.6	87.9	87.9	87.9	87.9	87.9	88.3
IV 400	12.7	73.1	77.3	82.1	85.4	85.4	87.0	87.3	87.3	87.6	87.9	87.9	87.9	87.9	87.9	88.3
IV 300	12.7	73.1	77.3	82.1	85.4	85.4	87.0	87.3	87.3	87.6	87.9	87.9	87.9	87.9	87.9	88.3
IV 200	12.7	73.1	77.3	82.1	85.4	85.4	87.0	87.3	87.3	87.6	87.9	87.9	87.9	87.9	87.9	88.3
IV 100	12.7	73.1	77.3	82.1	85.4	85.4	87.0	87.3	87.3	87.6	87.9	87.9	87.9	87.9	87.9	88.3
0	12.7	73.1	77.3	82.1	85.4	85.4	87.0	87.3	87.3	87.6	87.9	87.9	87.9	87.9	87.9	88.3

TOTAL NUMBER OF OBSERVATIONS 338

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA YEARS 73-82 MONTH OCT
STATION NAME YEARS MONTH
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 24 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	10.4	45.2	46.8	48.4	49.4	49.7	49.7	50.0	50.0	50.7	51.3	51.3	51.3	51.3	51.3	51.6
≥ 20000	10.7	47.1	48.7	51.0	52.7	52.3	52.3	52.6	52.6	53.3	53.9	53.9	53.9	53.9	53.9	54.2
IV 18000	10.7	47.1	48.7	51.0	52.7	52.3	52.3	52.6	52.6	53.3	53.9	53.9	53.9	53.9	53.9	54.2
IV 16000	10.7	47.1	48.7	51.0	52.7	52.3	52.3	52.6	52.6	53.3	53.9	53.9	53.9	53.9	53.9	54.2
IV 14000	10.7	47.1	48.7	51.0	52.7	52.3	52.3	52.6	52.6	53.3	53.9	53.9	53.9	53.9	53.9	54.2
IV 12000	10.7	48.4	50.0	52.3	53.3	53.6	53.6	53.9	53.9	54.6	55.2	55.2	55.2	55.2	55.2	55.5
IV 10000	10.7	49.0	50.7	52.9	54.2	54.6	54.6	54.9	54.9	55.5	56.2	56.2	56.2	56.2	56.2	56.5
IV 9000	10.7	49.0	50.7	52.9	54.2	54.6	54.6	54.9	54.9	55.5	56.2	56.2	56.2	56.2	56.2	56.5
IV 8000	11.4	50.0	51.6	53.9	55.2	55.5	55.5	55.8	55.8	56.5	57.1	57.1	57.1	57.1	57.1	57.5
IV 7000	11.4	50.0	51.6	53.9	55.2	55.5	55.5	55.8	55.8	56.5	57.1	57.1	57.1	57.1	57.1	57.5
IV 6000	11.4	50.0	51.6	53.9	55.2	55.5	55.5	55.8	55.8	56.5	57.1	57.1	57.1	57.1	57.1	57.5
IV 5000	11.4	50.7	52.3	54.6	55.8	56.2	56.2	56.5	56.5	57.1	57.8	57.8	57.8	57.8	57.8	58.1
IV 4500	11.4	50.7	52.3	54.6	55.8	56.2	56.2	56.5	56.5	57.1	57.8	57.8	57.8	57.8	57.8	58.1
IV 4000	12.1	52.0	53.6	55.8	57.1	57.5	57.5	57.8	57.8	58.4	59.1	59.1	59.1	59.1	59.1	59.4
IV 3500	12.1	52.6	54.2	56.5	57.8	58.1	58.1	58.4	58.4	59.1	59.7	59.7	59.7	59.7	59.7	60.1
IV 3000	12.7	55.2	56.8	59.1	60.4	60.7	60.7	61.0	61.0	61.7	62.3	62.3	62.3	62.3	62.3	62.7
IV 2500	12.7	56.5	58.1	60.4	61.7	62.0	62.0	62.3	62.3	63.0	63.6	63.6	63.6	63.6	63.6	64.0
IV 2000	12.7	57.1	60.7	63.0	64.3	64.6	64.6	64.9	64.9	65.6	66.2	66.2	66.2	66.2	66.2	66.6
IV 1800	12.7	61.0	62.7	64.9	66.2	66.6	66.6	66.9	66.9	67.5	68.2	68.2	68.2	68.2	68.2	68.5
IV 1500	12.7	64.6	66.2	68.5	69.8	70.1	70.1	70.5	70.5	71.1	71.8	71.8	71.8	71.8	71.8	72.1
IV 1200	12.7	66.2	67.9	71.1	72.4	72.7	72.7	73.1	73.1	73.7	74.4	74.4	74.4	74.4	74.4	74.7
IV 1000	12.7	68.2	70.5	74.4	76.6	77.0	77.0	77.3	77.3	77.9	78.6	78.6	78.6	78.6	78.6	79.0
IV 900	12.7	68.5	71.4	76.3	78.9	79.2	79.2	79.9	79.9	80.2	80.2	80.8	81.5	81.5	81.5	81.8
IV 800	12.7	68.8	71.8	76.6	79.6	79.9	79.9	80.8	81.2	81.2	81.8	82.5	82.5	82.5	82.5	82.8
IV 700	12.7	68.8	71.8	76.6	79.6	79.9	79.9	80.8	81.2	81.2	81.8	82.5	82.5	82.5	82.5	82.8
IV 600	12.7	68.8	72.4	77.6	81.2	81.5	81.5	82.5	83.1	83.1	83.8	84.4	84.4	84.4	84.4	84.7
IV 500	12.7	68.8	73.1	78.6	82.8	83.1	83.1	84.7	85.7	85.7	87.0	87.7	87.7	87.7	88.0	88.3
IV 400	12.7	68.8	73.1	78.6	82.8	83.1	83.1	85.1	86.4	86.4	87.7	88.3	88.3	88.3	88.6	89.0
IV 300	12.7	69.2	73.4	78.9	83.1	83.4	83.4	85.4	86.7	86.7	88.0	88.6	88.6	88.6	89.0	89.3
IV 200	12.7	69.2	73.4	78.9	83.1	83.4	83.4	85.4	86.7	86.7	88.0	88.6	88.6	88.6	89.0	89.6
IV 100	12.7	69.2	73.4	78.9	83.1	83.4	83.4	85.4	86.7	86.7	88.0	88.6	88.6	88.6	89.0	89.6
IV 0	12.7	69.2	73.4	78.9	83.1	83.4	83.4	85.4	86.7	86.7	88.0	88.6	88.6	88.6	89.0	90.0

TOTAL NUMBER OF OBSERVATIONS 108

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA STATION NAME

YEAR 73-82

MONTH OCT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DAY 07

GROUP (L O T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	8.9	39.3	42.2	44.8	46.1	46.4	46.6	47.1	47.4	47.7	47.7	47.7	47.7	47.7	49.1	48.1
≥ 20000	0.4	41.2	44.2	47.1	48.7	49.4	49.7	50.0	50.3	50.7	50.7	50.7	50.7	50.7	51.0	51.3
≥ 18000	0.4	41.6	44.5	47.4	49.1	49.7	50.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.3	51.6
≥ 14000	0.4	41.6	44.5	47.4	49.1	49.7	50.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.3	51.6
≥ 14000	0.4	41.6	44.5	47.4	49.1	49.7	50.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.3	51.6
≥ 12000	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 10000	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 9000	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 8000	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 7000	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 6000	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 5000	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 4500	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 4000	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 3500	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 3000	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 2500	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 2000	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 1800	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 1500	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 1200	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 1000	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 900	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 800	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 700	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 600	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 500	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 400	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 300	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 200	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 100	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6
≥ 0	0.4	42.9	45.5	48.4	50.0	50.7	51.0	51.3	51.6	52.0	52.0	52.0	52.0	52.0	52.3	52.6

TOTAL NUMBER OF OBSERVATIONS 308

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: EL TORO, CALIFORNIA YEARS: 73-82 MONTH: OCT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST): 10

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0	
NO CEILING	9.4	44.5	51.0	54.4	61.0	64.7	69.2	69.8	69.0	70.1	70.1	70.1	70.1	70.1	70.1	71.1
IV 20000	9.4	47.1	54.2	58.1	64.3	68.5	72.7	73.4	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 18000	9.4	47.4	54.9	58.4	64.9	69.2	73.4	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 16000	9.4	47.4	54.9	58.4	64.9	69.2	73.4	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 14000	9.4	48.4	55.5	59.4	65.6	69.8	74.0	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 12000	9.4	46.7	56.2	61.1	66.2	70.5	74.7	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 10000	9.4	47.4	56.8	60.7	66.9	71.1	75.3	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 9000	9.4	49.6	51.8	60.7	66.9	71.1	75.3	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 8000	9.4	47.7	57.1	61.4	67.5	71.8	76.0	76.6	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 7000	9.4	49.7	57.1	61.4	67.9	72.1	76.3	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 6000	9.4	49.7	57.1	61.4	67.9	72.1	76.3	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 5000	10.1	50.7	58.1	62.3	68.8	73.1	77.3	77.9	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4500	10.1	51.0	58.4	62.7	69.2	73.4	77.6	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4000	11.0	50.6	60.4	64.9	71.1	75.3	79.6	80.2	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 3500	11.7	54.6	62.3	66.4	73.1	77.3	81.5	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3000	12.1	57.5	65.3	69.5	76.0	80.2	84.4	85.1	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 2500	12.0	54.7	67.5	72.7	79.2	83.4	88.0	88.6	88.6	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 2000	12.3	62.0	70.1	75.3	81.8	86.1	90.6	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1800	12.3	63.0	71.1	76.3	82.8	87.0	91.6	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1500	12.3	63.3	71.4	77.0	83.8	88.0	92.5	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1200	12.3	63.5	71.4	77.0	83.8	88.0	92.5	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1000	12.3	63.6	72.1	78.3	85.1	89.3	94.8	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 900	12.3	64.0	72.4	78.4	86.0	90.3	95.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 800	12.3	64.0	72.4	78.4	86.0	90.6	96.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700	12.3	64.0	72.4	78.4	86.0	90.6	96.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	12.3	64.0	72.4	78.4	86.0	90.6	96.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500	12.3	64.0	72.4	78.4	86.0	90.6	96.1	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	12.3	64.0	72.4	78.4	86.0	90.6	96.4	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	12.3	64.0	72.4	78.4	86.0	90.6	96.4	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	12.3	64.0	72.4	78.4	86.0	90.6	96.4	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	12.3	64.0	72.4	78.4	86.0	90.6	96.4	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	12.3	64.0	72.4	78.4	86.0	90.6	96.4	98.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 108

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME S. TORO, CALIFORNIA

YEAR 73-82

MONTH 01

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DAY 13

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0	
NO CEILING	12.0	51.6	58.8	63.7	71.2	74.5	79.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 20000	12.0	54.9	62.5	68.3	73.8	79.1	84.7	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 18000	12.0	54.9	62.5	69.0	76.5	79.7	84.6	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 16000	12.0	54.9	62.5	69.0	76.5	79.7	84.6	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 14000	12.0	55.2	63.1	67.6	77.1	80.4	85.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 12000	12.0	55.6	63.4	69.7	77.5	80.7	85.6	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 10000	12.0	56.5	64.4	70.9	78.4	82.0	86.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 9000	12.0	56.5	64.4	70.9	78.4	82.0	86.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 8000	12.0	56.5	64.4	70.9	78.4	82.0	86.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 7000	12.0	56.9	64.7	71.2	79.8	82.4	87.3	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 6000	12.0	56.9	64.7	71.2	79.8	82.4	87.3	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 5000	12.0	57.2	65.0	71.6	79.1	82.7	87.6	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 4500	12.0	57.5	65.4	71.9	79.4	83.0	87.9	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 4000	13.1	58.2	66.0	72.6	80.1	83.7	88.6	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 3500	13.7	61.8	69.9	77.5	85.0	88.6	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 3000	13.8	61.8	69.9	77.5	85.0	88.6	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 2500	13.7	64.1	72.2	79.7	87.3	90.9	95.8	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 2000	14.0	65.7	73.9	81.4	88.9	92.5	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1800	14.0	66.0	74.2	81.7	89.2	92.8	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1500	14.0	67.0	75.2	82.7	90.2	93.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	14.7	67.3	75.5	83.0	90.5	94.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	14.7	67.3	75.8	83.3	90.9	94.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 306

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ARLINGTON, NC

CEILING VERSUS VISIBILITY

STATION

ALTOJO, CALIFORNIA

STATION NAME

73-82

YEAR

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16

NOVEMBER 1951

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
UNO CEILING	14.1	65.4	65.2	72.4	76.6	79.2	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	87.5	82.5
≥ 20000	14.1	65.4	71.8	76.6	82.2	85.1	86.7	86.4	84.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IVM 18000	14.1	63.5	72.1	76.5	80.5	83.8	86.7	87.3	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IVM 16000	14.1	63.5	72.1	76.5	80.5	83.8	86.7	87.3	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IVM 14000	14.1	63.5	72.1	76.5	80.5	83.8	86.7	87.3	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IVM 12000	14.1	64.5	73.7	77.4	82.1	85.4	88.3	88.6	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IVM 10000	14.1	66.2	75.3	79.0	83.8	87.1	89.9	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IVM 9070	14.1	66.2	75.3	79.0	83.8	87.1	89.9	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IVM 8000	14.1	66.6	75.3	79.0	84.1	87.3	90.3	90.6	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IVM 7000	14.1	66.6	75.3	79.0	84.1	87.3	90.3	90.6	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IVM 6000	14.1	66.6	75.3	79.0	84.1	87.3	90.3	90.6	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IVM 5000	14.1	67.2	76.1	80.5	84.7	88.1	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IVM 4500	14.1	67.2	76.1	80.5	84.7	88.1	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IVM 4000	14.1	67.2	76.1	80.5	84.7	88.1	90.9	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IVM 3500	14.1	70.5	79.6	84.4	88.3	91.6	94.8	95.1	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IVM 3000	14.1	72.7	81.5	86.4	90.3	93.5	96.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IVM 2500	14.1	74.4	83.1	87.7	91.9	95.1	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 2000	14.1	74.7	83.4	88.3	92.2	95.5	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IVM 1800	14.1	74.7	83.4	88.3	92.2	95.5	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IVM 1500	14.1	75.0	83.8	88.3	92.5	95.8	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 1200	14.1	75.0	83.8	88.3	92.5	95.8	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 1000	14.1	75.0	83.8	88.3	92.5	95.8	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 900	14.1	75.0	83.8	88.3	92.5	95.8	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 800	14.1	75.0	83.8	88.3	92.5	95.8	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 700	14.1	75.0	83.8	88.3	92.5	95.8	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 600	14.1	75.0	83.8	88.3	92.5	95.8	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 300	14.1	75.0	83.8	88.3	92.5	95.8	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 400	14.1	75.0	83.8	88.3	92.5	95.8	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 300	14.1	75.0	83.8	88.3	92.5	95.8	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 200	14.1	75.0	83.8	88.3	92.5	95.8	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 100	14.1	75.0	83.8	88.3	92.5	95.8	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 0	14.1	75.0	83.8	88.3	92.5	95.8	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 108

DIRNAVOCEANMET SMCS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

73-82

YEAR

067

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	13.0	60.2	70.8	73.7	77.0	77.3	77.6	77.9	77.9	73.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 20000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 18000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 16000	13.0	71.4	74.7	77.3	81.2	81.5	81.8	82.1	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 14000	13.0	71.4	74.4	77.6	81.5	81.8	82.1	82.5	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 12000	13.0	71.4	75.7	78.9	82.4	83.1	83.4	83.8	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 10000	13.0	74.0	77.0	80.2	84.0	84.7	85.1	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 9000	13.0	74.0	77.0	80.2	84.0	84.7	85.1	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 8000	13.0	74.7	77.6	80.8	85.1	85.4	85.7	86.0	86.0	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 7000	13.0	75.7	77.9	81.2	85.4	85.7	86.0	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 6000	13.0	75.7	78.6	81.8	85.7	86.0	86.4	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 5000	13.0	75.7	78.6	81.8	85.7	86.0	86.4	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 4500	13.0	75.7	78.6	81.8	85.7	86.0	86.4	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 4000	14.0	76.3	79.6	82.8	87.0	87.3	87.7	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 3500	14.0	77.0	80.2	83.4	87.7	88.0	88.3	88.6	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 3000	14.0	77.0	80.2	83.4	87.7	88.0	88.3	88.6	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2500	15.0	81.0	85.1	88.3	92.5	92.9	93.2	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 2000	15.0	81.0	85.1	88.3	92.5	92.9	93.2	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1800	15.0	81.0	85.1	88.3	92.5	92.9	93.2	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1500	15.0	84.4	88.7	91.2	95.5	95.8	96.1	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1200	15.0	84.7	88.3	91.9	96.1	96.4	96.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1000	15.0	85.7	89.3	92.9	97.1	97.1	97.4	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900	15.0	85.7	89.3	92.9	97.1	97.1	97.4	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800	15.0	85.7	89.3	92.9	97.1	97.1	97.4	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 700	15.0	85.7	89.3	92.9	97.1	97.1	97.4	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	15.0	85.7	89.3	92.9	97.1	97.1	97.4	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500	15.0	85.7	89.3	92.9	97.1	97.1	97.4	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	15.0	85.7	89.3	92.9	97.1	97.1	97.4	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	15.0	85.7	89.3	92.9	97.1	97.1	97.4	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 200	15.0	85.7	89.3	92.9	97.1	97.1	97.4	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 100	15.0	85.7	89.3	92.9	97.1	97.1	97.4	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 0	15.0	85.7	89.3	92.9	97.1	97.1	97.4	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 398

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TOPO, CALIFORNIA

73-82

YEAR

307

22

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	13.4	61.4	62.7	65.6	66.6	67.5	68.8	69.5	69.5	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 20000	13.4	63.3	65.3	68.2	69.5	70.5	71.8	72.4	72.4	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 18000	13.4	63.6	65.6	68.5	69.8	70.8	72.1	72.7	72.7	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 17000	13.4	63.5	65.5	68.4	69.7	70.7	72.0	72.6	72.6	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 14000	13.4	64.6	66.6	69.5	70.8	71.8	73.1	73.7	73.7	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 12000	13.4	65.6	67.5	70.5	71.8	72.7	74.0	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 10000	14.1	66.6	68.5	71.4	73.1	74.1	75.3	76.0	76.0	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 9000	14.1	66.6	68.5	71.4	73.1	74.1	75.3	76.0	76.0	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 8000	14.3	66.9	68.8	72.1	73.4	74.4	75.7	76.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 7000	14.3	66.9	68.8	72.1	73.4	74.4	75.7	76.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 6000	14.3	66.9	68.8	72.1	73.4	74.4	75.7	76.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 5000	14.3	67.2	69.2	72.4	73.7	74.7	76.0	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4500	14.3	67.2	69.2	72.4	73.7	74.7	76.0	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4000	14.3	67.2	69.2	72.4	73.7	74.7	76.0	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 3500	14.8	68.2	70.1	73.4	74.7	75.7	77.0	77.6	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 3000	14.4	68.8	70.8	74.1	75.3	76.3	77.6	78.3	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 2500	15.6	70.8	72.7	76.0	77.3	78.3	79.6	80.2	80.2	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 2000	15.6	74.4	76.3	79.6	80.8	81.8	83.1	83.8	83.8	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 1800	15.6	74.7	76.6	79.9	81.2	82.1	83.4	84.1	84.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1500	15.6	77.9	79.8	83.1	84.7	85.7	87.0	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1200	15.6	77.2	81.5	84.7	86.3	87.3	88.3	89.0	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1000	15.6	81.5	83.8	87.1	89.3	90.3	91.9	92.5	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 900	15.6	82.1	84.4	87.7	89.9	91.2	92.9	93.5	93.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 800	15.6	82.5	84.7	88.0	90.3	91.6	93.2	93.8	93.8	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 700	15.6	82.8	85.1	88.3	90.6	91.9	93.5	94.2	94.2	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 600	15.6	83.1	85.4	88.6	90.9	92.2	93.8	94.5	94.5	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 500	15.6	83.1	85.4	88.6	90.9	92.2	93.8	94.5	94.5	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 400	15.6	83.1	85.4	88.6	90.9	92.2	93.8	94.5	94.5	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 300	15.6	83.1	85.4	88.6	90.9	92.2	93.8	94.5	94.5	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 200	15.6	83.1	85.4	88.6	90.9	92.2	93.8	94.5	94.5	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 100	15.6	83.1	85.4	88.6	90.9	92.2	93.8	94.5	94.5	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 0	15.6	83.1	85.4	88.6	90.9	92.2	93.8	94.5	94.5	95.4	95.4	95.4	95.4	95.4	95.4	95.4

TOTAL NUMBER OF OBSERVATIONS

307

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-92

YEAR

MO

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
MONTHS (1-12)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0	
NO CEILING	11.7	52.6	56.6	59.7	62.3	64.3	66.2	68.6	68.7	67.0	67.1	67.1	67.1	67.1	67.2	67.3
≥ 20000	11.7	55.1	59.4	62.4	66.2	67.8	69.7	70.1	70.2	70.5	70.6	70.6	70.6	70.6	70.7	70.8
IV 19000	11.7	55.2	59.6	63.4	66.5	68.1	70.0	70.5	70.5	70.9	71.0	71.0	71.0	71.0	71.0	71.2
IV 16000	11.7	55.2	59.6	63.1	66.5	68.1	70.0	70.5	70.5	70.9	71.0	71.0	71.0	71.0	71.0	71.2
IV 14000	11.7	55.6	60.0	63.5	66.9	68.5	70.4	70.9	70.9	71.3	71.4	71.4	71.4	71.4	71.5	71.6
IV 12000	11.7	56.6	61.7	64.5	67.7	69.5	71.4	71.9	71.9	72.3	72.4	72.4	72.4	72.4	72.4	72.5
IV 10000	11.8	57.5	61.9	65.6	69.7	70.7	72.6	73.0	73.1	73.4	73.6	73.6	73.6	73.6	73.6	73.7
IV 9000	11.8	57.5	61.9	65.6	69.7	70.7	72.6	73.0	73.1	73.4	73.6	73.6	73.6	73.6	73.6	73.7
IV 8000	12.0	58.1	62.5	66.2	69.7	71.3	73.2	73.7	73.7	74.1	74.2	74.2	74.2	74.2	74.3	74.4
IV 7000	12.1	58.2	62.6	66.3	69.8	71.5	73.4	73.8	73.8	74.2	74.3	74.3	74.3	74.3	74.4	74.5
IV 6000	12.1	58.3	62.7	66.3	69.9	71.5	73.4	73.9	73.9	74.3	74.4	74.4	74.4	74.4	74.5	74.6
IV 5000	12.2	58.4	63.2	66.4	70.4	72.1	74.0	74.5	74.5	74.9	75.0	75.0	75.0	75.0	75.1	75.1
IV 4500	12.2	58.9	63.4	67.1	70.6	72.3	74.2	74.6	74.7	75.0	75.1	75.1	75.1	75.1	75.2	75.3
IV 4000	12.6	58.8	64.3	68.0	71.6	73.2	75.1	75.6	75.6	75.6	76.1	76.1	76.1	76.1	76.2	76.3
IV 3500	13.0	61.1	65.6	69.4	73.0	74.6	76.6	77.0	77.1	77.4	77.5	77.5	77.5	77.5	77.6	77.7
IV 3000	13.4	61.1	67.6	71.5	75.0	76.7	78.6	79.1	79.1	79.5	79.6	79.6	79.6	79.6	79.7	79.8
IV 2500	13.9	65.2	69.7	73.6	77.3	78.9	80.9	81.4	81.4	81.8	81.9	81.9	81.9	81.9	81.9	82.1
IV 2000	14.1	67.1	71.8	75.7	79.3	81.0	83.0	83.4	83.5	83.9	84.0	84.0	84.0	84.0	84.0	84.2
IV 1800	14.1	67.6	72.4	76.4	80.0	81.6	83.6	84.1	84.1	84.5	84.7	84.7	84.7	84.7	84.7	84.8
IV 1500	14.1	67.8	74.8	79.0	82.8	84.4	86.4	86.9	86.9	87.3	87.5	87.5	87.5	87.5	87.5	87.7
IV 1200	14.1	70.0	75.6	80.1	84.0	85.7	87.7	88.2	88.2	88.6	88.8	88.8	88.8	88.8	88.8	89.0
IV 1000	14.1	71.7	76.9	81.6	85.8	87.6	90.1	90.6	90.7	91.1	91.2	91.2	91.2	91.2	91.3	91.4
IV 900	14.1	71.9	77.2	82.2	86.6	88.5	90.9	91.5	91.6	92.0	92.2	92.2	92.2	92.2	92.2	92.4
IV 800	14.1	71.4	77.4	82.5	86.9	88.8	91.4	92.1	92.1	92.6	92.7	92.7	92.7	92.7	92.8	92.9
IV 700	14.1	72.0	77.6	82.7	87.3	89.2	92.0	92.7	92.7	93.2	93.3	93.3	93.3	93.3	93.4	93.5
IV 600	14.1	72.1	77.8	83.1	87.9	89.9	92.6	93.4	93.4	94.1	94.3	94.3	94.3	94.3	94.3	94.5
IV 500	14.1	72.1	77.9	83.3	88.2	90.3	93.1	94.1	94.2	95.0	95.3	95.3	95.3	95.3	95.5	95.6
IV 400	14.1	72.1	79.1	83.4	88.3	90.4	93.3	94.4	94.5	95.3	95.7	95.7	95.7	95.7	95.9	96.0
IV 300	14.1	72.1	78.7	83.4	88.3	90.4	93.4	94.5	94.6	95.6	96.0	96.0	96.0	96.1	96.2	96.4
IV 200	14.1	72.1	78.0	83.4	88.3	90.4	93.4	94.6	94.6	95.8	96.1	96.1	96.1	96.3	96.6	96.9
IV 100	14.1	72.1	78.0	83.4	88.3	90.4	93.4	94.6	94.6	95.8	96.2	96.2	96.2	96.5	96.6	97.0
IV 0	14.1	72.1	78.0	83.4	88.3	90.4	93.4	94.6	94.6	95.8	96.2	96.2	96.2	96.6	97.2	97.0

TOTAL NUMBER OF OBSERVATIONS 2452

DIRNAVOCEANMET MOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

73-82

NOV

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOV 1971

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 0	
NO CEILING	14.3	68.3	69.3	7.7	72.3	73.3	74.7	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.7
IV 20000	17.3	71.3	72.3	73.7	75.3	76.3	77.0	77.7	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.7
IV 18000	15.3	71.7	72.7	74.0	75.7	76.7	77.3	78.0	78.3	78.7	78.7	78.7	78.7	78.7	78.7	79.0
IV 16000	15.3	71.7	72.7	74.0	75.7	76.7	77.3	78.0	78.3	78.7	78.7	78.7	78.7	78.7	78.7	79.0
IV 14000	15.3	71.0	73.0	74.3	76.0	77.0	77.7	78.3	78.3	79.0	79.7	79.7	79.7	79.7	79.7	79.3
IV 12000	15.3	71.3	73.3	74.7	76.3	77.3	78.0	78.7	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 10000	15.7	72.7	73.7	75.0	76.7	77.7	78.3	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.0
IV 9000	15.7	72.7	73.7	75.0	76.7	77.7	78.3	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.0
IV 8000	15.7	72.7	73.7	75.0	76.7	77.7	78.3	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.0
IV 7000	15.7	72.7	73.7	75.0	76.7	77.7	78.3	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.0
IV 6000	15.7	72.7	73.7	75.0	76.7	77.7	78.3	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.0
IV 5000	15.7	72.7	73.7	75.0	76.7	77.7	78.3	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.0
IV 4500	15.7	72.7	73.7	75.0	76.7	77.7	78.3	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.0
IV 4000	15.7	72.7	73.7	75.0	76.7	77.7	78.3	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.0
IV 3500	15.7	72.7	73.7	75.0	76.7	77.7	78.3	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.0
IV 3000	16.0	76.3	77.3	78.7	80.7	81.7	82.3	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	84.0
IV 2500	16.7	78.3	79.0	80.3	82.3	83.3	84.0	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.7
IV 2000	17.0	81.3	81.7	83.0	85.0	86.0	86.7	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.3
IV 1800	17.0	81.3	81.7	83.0	85.0	86.0	86.7	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.3
IV 1500	17.0	81.3	81.7	83.0	85.0	86.0	86.7	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.3
IV 1200	17.0	84.3	86.3	87.7	90.3	91.3	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 1000	17.0	84.3	86.3	87.7	90.3	91.3	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 900	17.0	84.3	86.3	87.7	90.3	91.3	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 800	17.0	84.3	86.3	87.7	90.3	91.3	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 700	17.0	84.3	86.3	87.7	90.3	91.3	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 600	17.0	84.3	86.3	87.7	90.3	91.3	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 500	17.0	84.3	86.3	87.7	90.3	91.3	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 400	17.0	84.3	86.3	87.7	90.3	91.3	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 300	17.0	84.3	86.3	87.7	90.3	91.3	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 200	17.0	84.3	86.3	87.7	90.3	91.3	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 100	17.0	84.3	86.3	87.7	90.3	91.3	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 0	17.0	84.3	86.3	87.7	90.3	91.3	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL YORO, CALIFORNIA

73-92

NCV

STATION

STATION NAME

YEAR

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

74
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	16.0	55.7	68.0	69.7	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	73.0	73.0	73.0	73.7
≥ 20000	16.0	60.3	68.7	69.7	73.3	73.0	75.3	73.3	73.3	73.3	73.3	73.3	73.7	73.7	73.7	74.3
IV 18000	16.0	60.3	68.7	69.7	73.3	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.7	73.7	73.7	74.3
IV 16000	16.0	60.3	68.7	69.7	73.3	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.7	73.7	73.7	74.3
IV 14000	16.0	60.3	68.7	69.7	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.7	73.7	73.7	74.3
IV 12000	16.0	67.3	69.7	70.7	74.7	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	75.3
IV 10000	15.0	63.0	70.3	71.3	74.7	74.7	75.0	75.3	75.3	75.3	75.3	75.3	75.7	75.7	75.7	76.0
IV 9000	16.0	68.3	70.7	71.7	75.7	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.7	75.7	75.7	76.3
IV 8000	16.0	68.7	71.0	72.0	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.7	76.0	76.0	76.0	76.7
IV 7000	16.0	68.7	71.0	72.0	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.7	76.0	76.0	76.0	76.7
IV 6000	15.0	63.7	71.0	72.0	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.7	76.0	76.0	76.0	76.7
IV 5000	16.0	69.0	71.3	72.3	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.3	76.3	76.3	77.0
IV 4500	15.0	69.0	71.3	72.3	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.3	76.3	76.3	77.0
IV 4000	16.0	70.3	72.7	73.7	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	78.3
IV 3500	16.0	71.0	73.3	74.3	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.3	78.3	78.3	79.0
IV 3000	17.0	74.0	77.3	78.3	81.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.7	82.7	82.7	83.3
IV 2500	17.0	76.0	79.0	80.0	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.3	84.3	84.3	85.0
IV 2000	17.0	76.0	81.0	82.0	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.3	86.3	86.3	87.0
IV 1800	18.0	76.3	81.3	82.3	85.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.7	86.7	86.7	87.3
IV 1500	18.0	76.0	82.3	83.7	87.0	87.0	87.7	87.7	87.7	87.7	87.7	87.7	88.0	88.0	88.0	88.7
IV 1200	18.0	77.7	83.7	85.0	88.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.7
IV 1000	18.0	80.3	84.3	86.0	89.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	91.0	91.0	91.0	91.7
IV 900	18.0	80.3	84.3	86.0	90.7	91.0	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.3	93.0
IV 800	18.0	80.3	84.3	86.0	90.7	91.0	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.3	93.0
IV 700	18.0	80.3	84.3	86.0	90.7	91.0	91.7	91.7	91.7	91.7	92.0	92.0	92.3	92.3	92.3	93.0
IV 600	18.0	80.3	84.3	86.0	91.0	91.3	92.0	92.0	92.0	92.0	92.3	92.7	92.7	93.0	93.0	93.7
IV 500	15.0	80.3	84.3	86.3	91.3	91.7	92.3	92.3	92.3	94.0	94.3	94.3	94.7	94.7	94.7	95.3
IV 400	15.0	80.3	84.3	86.3	91.3	91.7	92.7	92.7	92.7	94.3	94.7	94.7	95.3	95.3	95.3	96.0
IV 300	18.0	80.3	84.3	86.3	91.3	91.7	92.7	93.0	93.0	94.7	95.0	95.0	95.7	95.7	96.0	96.7
IV 200	18.0	80.3	84.3	86.3	91.3	91.7	92.7	93.0	93.0	94.7	95.0	95.0	95.7	95.7	96.0	97.3
IV 100	18.0	80.3	84.3	86.3	91.3	91.7	92.7	93.0	93.0	94.7	95.0	95.0	95.7	95.7	96.0	96.0
0	18.0	80.3	84.3	86.3	91.3	91.7	92.7	93.0	93.0	94.7	95.0	95.0	95.7	95.7	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

14

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: IL TOPO, CALIFORNIA STATION NAME: 73-62 YEARS: 1957 MONTH: 7

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	16.7	63.0	64.0	66.0	67.3	67.7	67.7	68.3	69.0	69.0	69.0	68.0	68.0	68.0	68.0	68.7
≥ 20000	17.0	67.3	68.0	70.7	72.0	72.3	72.3	72.7	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.7
IV 18000	17.0	67.7	68.7	72.0	72.3	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.7
IV 16000	17.0	67.7	68.7	72.0	72.3	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.7
IV 14000	17.0	68.0	69.0	71.3	72.7	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	74.0
IV 12000	17.0	69.3	70.3	72.7	74.0	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.3
IV 10000	17.0	70.0	71.0	73.3	74.7	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	76.0
IV 9000	17.0	70.0	71.0	73.3	74.7	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	76.0
IV 8000	17.0	71.0	72.0	74.3	75.7	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	77.0
IV 7000	17.0	71.0	72.0	74.3	75.7	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	77.0
IV 6000	17.0	71.0	72.0	74.3	75.7	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	77.0
IV 5000	17.0	71.0	72.0	74.3	75.7	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	77.0
IV 4500	17.0	71.0	72.0	74.3	75.7	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	77.0
IV 4000	17.0	72.0	73.0	75.3	76.7	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	78.0
IV 3500	17.3	72.7	73.7	76.3	77.3	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.7
IV 3000	17.3	74.3	75.3	77.7	79.1	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.7
IV 2500	17.3	76.7	78.0	80.3	81.7	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	83.3
IV 2000	17.7	78.0	79.3	82.0	83.3	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	85.3
IV 1800	17.7	78.0	79.3	82.0	83.3	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	85.3
IV 1500	18.0	79.3	80.7	83.3	84.7	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.7
IV 1200	18.0	80.0	81.3	84.0	85.7	86.3	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.7
IV 1000	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.7
IV 900	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	88.7	89.0	89.3	89.3	89.3	89.3	89.3	90.3
IV 800	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	88.7	89.0	89.3	89.3	89.3	89.3	89.3	90.3
IV 700	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	88.7	89.0	89.3	89.3	89.3	89.3	89.3	90.7
IV 600	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	88.7	89.0	89.3	89.3	89.3	89.3	89.3	91.0
IV 500	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	88.7	89.0	89.3	89.3	89.3	89.3	89.3	91.7
IV 400	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	88.7	89.0	89.3	89.3	89.3	89.3	89.3	92.3
IV 300	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	88.7	89.0	89.3	89.3	89.3	89.3	89.3	93.0
IV 200	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	88.7	89.0	89.3	89.3	89.3	89.3	89.3	93.7
IV 100	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	88.7	89.0	89.3	89.3	89.3	89.3	89.3	94.3
IV 0	18.0	80.3	82.0	85.0	86.7	87.7	88.0	88.7	88.7	89.0	89.3	89.3	89.3	89.3	89.3	94.7

TOTAL NUMBER OF OBSERVATIONS: 500

DIRNAVOCEANMET SMOF

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

73-82

YEARS

NOV

MONTH

STATION NAME

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/2	≥ 0
NO CEILING	18.3	56.7	62.0	64.0	66.7	69.7	70.3	70.7	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3
≥ 20000	18.7	59.7	69.0	72.0	72.7	75.0	76.7	77.0	77.0	77.3	77.3	77.7	77.7	77.7	77.7	77.7
IV 18000	18.7	64.7	68.0	70.0	73.0	75.3	77.0	77.3	77.3	77.7	78.0	78.0	78.0	78.0	78.0	78.0
IV 16000	18.7	64.7	69.0	70.0	73.0	75.3	77.0	77.3	77.3	77.7	78.0	78.0	78.0	78.0	78.0	78.0
IV 14000	19.0	66.0	69.3	71.3	74.3	76.7	78.3	78.7	78.7	79.3	79.7	79.7	79.7	79.7	79.7	79.7
IV 12000	19.0	66.7	70.0	72.0	75.0	77.3	79.0	79.3	79.3	80.0	80.3	80.3	80.3	80.3	80.3	80.3
IV 10000	19.3	67.7	71.7	74.0	77.0	79.3	81.0	81.3	81.3	82.0	82.3	82.3	82.3	82.3	82.3	82.3
IV 9000	19.3	67.7	71.7	74.0	77.0	79.3	81.0	81.3	81.3	82.0	82.3	82.3	82.3	82.3	82.3	82.3
IV 8000	19.3	68.7	72.7	75.0	78.0	80.3	82.0	82.3	82.3	83.0	83.3	83.3	83.3	83.3	83.3	83.3
IV 7000	19.3	69.3	73.3	75.7	78.7	81.0	82.7	83.0	83.0	83.7	84.0	84.0	84.0	84.0	84.0	84.0
IV 6000	19.3	69.7	73.7	76.0	79.0	81.3	83.0	83.3	83.3	84.0	84.3	84.3	84.3	84.3	84.3	84.3
IV 5000	19.3	69.7	73.7	76.0	79.0	81.3	83.0	83.3	83.3	84.0	84.3	84.3	84.3	84.3	84.3	84.3
IV 4500	19.3	70.0	74.0	76.3	79.3	81.7	83.3	83.7	83.7	84.3	84.7	84.7	84.7	84.7	84.7	84.7
IV 4000	19.3	70.7	74.7	77.0	80.0	82.3	84.0	84.3	84.3	85.0	85.3	85.3	85.3	85.3	85.3	85.3
IV 3500	19.3	71.3	75.3	77.7	80.7	83.0	84.7	85.0	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	20.0	73.0	77.7	80.0	83.0	85.3	87.0	87.3	87.3	88.0	88.3	88.3	88.3	88.3	88.3	88.3
IV 2500	20.7	75.0	79.7	82.0	85.0	87.7	89.3	89.7	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7
IV 2000	21.0	76.3	81.0	83.7	87.0	89.7	91.3	91.7	91.7	92.3	92.7	92.7	92.7	92.7	92.7	92.7
IV 1800	21.0	76.3	81.0	83.7	87.0	89.7	91.3	91.7	91.7	92.3	92.7	92.7	92.7	92.7	92.7	92.7
IV 1500	21.3	76.7	81.7	84.7	88.3	91.3	93.0	93.3	93.3	94.0	94.3	94.3	94.3	94.3	94.3	94.3
IV 1200	21.3	77.0	82.0	85.0	88.7	91.7	93.3	93.7	93.7	94.3	94.7	94.7	94.7	94.7	94.7	94.7
IV 1000	21.3	77.3	82.3	85.3	89.3	92.3	94.3	94.7	94.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7
IV 900	21.3	77.3	82.3	85.3	89.3	92.3	94.3	94.7	94.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7
IV 800	21.3	77.7	82.7	85.7	89.3	92.3	94.7	95.3	95.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7
IV 700	21.3	77.7	82.7	85.7	89.3	92.3	94.7	95.3	95.3	96.3	96.7	96.7	96.7	96.7	97.0	97.0
IV 600	21.3	77.7	82.7	85.7	89.3	92.3	94.7	95.7	95.7	96.7	97.0	97.0	97.0	97.0	97.3	97.3
IV 500	21.3	77.7	82.7	85.7	89.3	92.3	94.7	95.7	95.7	96.7	97.0	97.0	97.0	97.0	97.3	97.3
IV 400	21.3	77.7	82.7	85.7	89.3	92.3	94.7	96.0	96.0	97.3	98.0	98.0	98.0	98.0	98.3	98.3
IV 300	21.3	77.7	82.7	85.7	89.3	92.3	94.7	96.0	96.0	97.3	98.0	98.0	98.0	98.0	98.3	98.3
IV 200	21.3	77.7	82.7	85.7	89.3	92.3	94.7	96.0	96.0	97.3	98.0	98.0	98.0	98.0	98.3	98.3
IV 100	21.3	77.7	82.7	85.7	89.3	92.3	94.7	96.0	96.0	97.3	98.0	98.0	98.0	98.0	98.3	98.3
IV 0	21.3	77.7	82.7	85.7	89.3	92.3	94.7	96.0	96.0	97.3	98.0	98.0	98.0	98.0	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.4	54.4	62.9	65.9	69.9	71.6	73.6	74.4	74.4	75.3	75.6	75.6	75.6	75.6	75.6	75.6
IV 20000	17.4	54.2	67.6	71.2	75.6	77.6	79.6	80.6	81.6	82.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 18000	17.4	54.6	67.9	71.2	75.9	78.3	80.3	81.3	81.3	81.9	82.3	82.3	82.3	82.3	82.3	82.3
IV 16000	17.4	54.9	67.9	71.2	75.9	78.3	80.3	81.3	81.3	81.9	82.3	82.3	82.3	82.3	82.3	82.3
IV 14000	17.7	55.6	68.9	72.2	76.9	79.3	81.3	82.3	82.3	82.9	83.3	83.3	83.3	83.3	83.3	83.3
IV 12000	17.7	56.6	69.9	73.2	77.9	80.3	82.3	83.3	83.3	84.0	84.3	84.3	84.3	84.3	84.3	84.3
IV 10000	17.7	67.9	71.6	74.9	79.6	81.9	84.0	85.0	85.0	85.6	86.0	86.0	86.0	86.0	86.0	86.0
IV 9000	17.7	67.9	71.6	74.9	79.6	81.9	84.0	85.0	85.0	85.6	86.0	86.0	86.0	86.0	86.0	86.0
IV 8000	18.3	68.9	72.6	75.9	80.6	82.9	85.0	86.0	86.0	86.6	87.0	87.0	87.0	87.0	87.0	87.0
IV 7000	18.3	69.2	72.9	76.2	80.9	83.3	85.3	86.3	86.3	87.0	87.3	87.3	87.3	87.3	87.3	87.3
IV 6000	18.4	69.6	73.2	76.6	81.3	83.6	85.6	86.6	86.6	87.3	87.6	87.6	87.6	87.6	87.6	87.6
IV 5000	18.7	70.9	74.6	77.9	82.6	85.0	87.0	88.0	88.0	88.6	89.0	89.0	89.0	89.0	89.0	89.0
IV 4500	18.7	70.9	74.6	77.9	82.6	85.0	87.0	88.0	88.0	88.6	89.0	89.0	89.0	89.0	89.0	89.0
IV 4000	18.8	71.2	75.9	79.2	84.7	86.3	88.3	89.3	89.3	90.0	90.3	90.3	90.3	90.3	90.3	90.3
IV 3500	17.4	72.4	76.6	79.9	84.6	87.0	89.0	90.0	90.0	90.6	91.0	91.0	91.0	91.0	91.0	91.0
IV 3000	19.7	73.6	77.6	81.3	86.7	88.3	90.3	91.3	91.3	92.0	92.3	92.3	92.3	92.3	92.3	92.3
IV 2500	20.1	76.6	80.6	84.3	89.3	91.6	93.7	94.7	94.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7
IV 2000	20.7	76.3	82.3	86.0	90.6	93.3	95.3	96.3	96.3	97.0	97.3	97.3	97.3	97.3	97.3	97.3
IV 1800	20.7	76.3	82.3	86.0	90.6	93.3	95.3	96.3	96.3	97.0	97.3	97.3	97.3	97.3	97.3	97.3
IV 1500	20.7	76.6	82.6	86.6	91.3	94.0	96.0	97.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0
IV 1200	20.7	76.9	82.9	87.3	91.6	94.3	96.3	97.3	97.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	20.7	76.9	83.3	87.3	92.7	94.7	96.7	98.3	98.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
0	20.7	76.9	83.3	87.3	92.3	95.0	97.0	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA
STATION NAME

73-82
YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

16
HOURS (12.5)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0	≥ 0
NO CEILING	16.3	63.3	67.7	7.7	75.3	75.7	76.7	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 20000	16.3	71.3	75.7	78.7	83.7	83.7	84.3	85.0	85.3	85.3	85.7	85.3	85.3	85.3	85.3	85.3
IV 18000	16.7	71.3	76.7	79.0	83.7	84.3	85.0	85.7	86.0	86.0	86.7	86.0	86.0	86.0	86.0	86.0
IV 14000	15.7	71.3	76.0	79.0	83.7	84.3	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 14000	16.7	71.3	76.0	79.0	84.0	84.7	85.3	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 12000	15.7	72.7	77.3	80.3	85.3	86.0	86.7	87.3	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0
IV 10000	17.0	73.7	78.3	81.3	86.3	87.0	87.7	88.3	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
IV 9000	17.0	73.7	78.3	81.3	86.3	87.0	87.7	88.3	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
IV 8000	17.0	73.7	78.3	81.3	86.3	87.0	87.7	88.3	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
IV 7000	17.0	73.7	78.3	81.3	86.3	87.0	87.7	88.3	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
IV 6000	17.3	74.0	78.7	81.7	86.7	87.3	88.0	88.7	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3
IV 5000	17.3	74.0	78.7	81.7	86.7	87.3	88.0	88.7	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3
IV 4500	17.3	74.0	78.7	81.7	86.7	87.3	88.0	88.7	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3
IV 4000	17.3	75.0	80.0	83.0	88.0	89.0	89.7	90.3	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0
IV 3900	18.0	76.3	81.3	84.7	89.7	90.3	91.0	91.7	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3
IV 3000	16.0	77.7	82.7	86.0	91.7	91.7	92.3	93.0	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7
IV 2500	18.3	79.7	84.7	88.3	93.3	94.0	94.7	95.3	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0
IV 2000	19.7	80.7	85.7	89.3	94.3	95.0	95.7	96.3	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IV 1800	18.7	80.7	85.7	89.3	94.3	95.0	95.7	96.3	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IV 1500	19.7	81.3	86.3	90.3	95.7	95.7	96.3	97.0	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	19.7	81.7	86.7	90.3	95.3	96.0	96.7	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0
IV 1000	18.7	82.7	87.7	91.3	96.3	97.0	97.7	98.3	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	18.7	82.7	87.7	91.3	96.3	97.0	97.7	98.3	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	18.7	82.7	87.7	91.3	96.3	97.0	97.7	98.3	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	18.7	83.0	88.0	92.0	97.0	97.7	98.3	99.0	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0
IV 600	18.7	83.0	88.0	92.0	97.0	97.7	98.3	99.0	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0
IV 500	18.7	83.0	88.0	92.0	97.0	97.7	98.3	99.0	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0
IV 400	18.7	83.0	88.0	92.0	97.0	97.7	98.3	99.0	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0
IV 300	18.7	83.0	88.0	92.0	97.0	97.7	98.3	99.0	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0
IV 200	18.7	83.0	88.0	92.0	97.0	97.7	98.3	99.0	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0
IV 100	18.7	83.0	88.0	92.0	97.0	97.7	98.3	99.0	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0
IV 0	13.7	83.0	88.0	92.0	97.0	97.7	98.3	99.0	99.3	99.3	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TOPG, CALIFORNIA YEARS 73-82 MONTH NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	17.7	74.0	75.7	75.7	75.7	79.0	79.3	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 20000	17.7	73.3	75.0	61.0	81.3	51.3	41.7	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 18000	17.0	73.7	78.3	81.3	81.7	81.7	82.7	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 16000	17.0	73.0	78.3	81.3	81.7	81.7	82.7	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 14000	17.7	74.7	79.7	83.7	83.7	83.0	83.3	83.7	83.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 12000	17.7	76.0	81.0	84.0	84.7	84.3	84.7	85.0	85.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 10000	17.0	76.7	81.7	84.7	85.3	85.3	85.3	85.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 9000	17.0	76.7	81.7	84.7	85.7	85.0	85.3	85.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 8000	17.3	77.0	82.0	85.0	85.3	85.3	85.7	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 7000	17.7	77.7	82.7	85.7	86.0	86.0	86.3	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 6000	17.7	77.7	82.7	85.7	86.0	86.0	86.3	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 5000	17.7	78.3	83.3	86.3	86.7	86.7	87.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 4500	17.7	78.7	83.7	86.7	87.0	87.0	87.3	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 4000	18.0	79.0	84.0	87.0	88.0	88.0	88.3	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 3500	18.3	80.3	85.3	88.3	88.7	89.0	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 3000	18.7	82.0	87.0	90.3	90.3	90.3	90.7	91.0	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	19.3	82.7	87.7	91.3	91.3	91.3	91.7	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2000	19.3	83.0	88.0	93.7	94.7	94.3	94.3	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1800	19.3	85.7	90.7	94.3	94.7	94.7	95.0	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1500	19.3	86.7	91.7	95.3	95.7	95.7	96.0	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1200	19.3	87.3	92.0	96.0	96.0	96.0	96.3	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1000	19.3	87.7	93.0	96.7	97.3	97.3	97.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	19.3	87.7	93.0	96.7	97.3	97.3	97.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	19.3	87.7	93.0	96.7	97.3	97.3	97.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	19.3	87.7	93.0	96.7	97.3	97.3	97.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	19.3	87.7	93.0	96.7	97.3	97.3	97.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	19.3	88.0	93.7	97.3	98.0	98.0	98.3	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	19.3	88.0	93.7	97.3	98.0	98.0	98.3	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	19.3	88.0	93.7	97.3	98.3	98.3	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	19.3	88.0	93.7	97.3	98.3	98.3	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	19.3	88.0	93.7	97.3	98.3	98.3	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	19.3	88.0	93.7	97.3	98.3	98.3	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TORO, CALIFORNIA

YEAR 73-82

MONTH NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.T.T.) 22

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING	16.3	61.0	73.7	72.3	74.7	74.3	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7
≥ 20000	16.3	62.3	73.7	74.7	76.7	76.7	77.3	78.3	78.7	79.7	79.7	79.7	79.7	79.7	79.7
IVN 18000	16.7	69.3	73.0	74.7	76.7	76.7	77.3	78.3	78.7	79.7	79.7	79.7	79.7	79.7	79.7
IVN 14000	16.0	59.3	73.0	74.7	76.7	76.7	77.3	78.3	78.7	79.7	79.7	79.7	79.7	79.7	79.7
IVN 14000	16.0	69.3	73.0	74.7	76.7	76.7	77.3	78.3	78.7	79.7	79.7	79.7	79.7	79.7	79.7
IVN 12000	16.7	73.7	74.3	76.7	78.3	78.3	78.7	79.3	79.3	80.0	80.3	80.3	80.3	80.3	80.3
IVN 10000	16.0	73.7	74.3	76.7	78.3	78.3	78.7	79.3	79.3	80.0	80.3	80.3	80.3	80.3	80.3
IVN 8000	16.0	73.7	74.3	76.7	78.3	78.3	78.7	79.3	79.3	80.0	80.3	80.3	80.3	80.3	80.3
IVN 7000	16.0	71.0	74.7	76.3	78.3	78.3	79.0	79.7	79.7	80.3	80.7	81.7	81.7	81.7	81.7
IVN 6000	16.0	71.0	74.7	76.3	78.3	78.3	79.0	79.7	79.7	80.3	80.7	81.7	81.7	81.7	81.7
IVN 5000	16.0	72.0	75.7	77.3	79.3	79.3	80.0	80.7	80.7	81.3	81.7	81.7	81.7	81.7	81.7
IVN 4500	16.0	72.0	75.7	77.3	79.3	79.3	80.0	80.7	80.7	81.3	81.7	81.7	81.7	81.7	81.7
IVN 4000	16.0	73.3	77.0	78.7	80.7	80.7	81.3	82.3	82.3	82.7	83.7	83.7	83.7	83.7	83.7
IVN 3500	16.3	74.0	77.7	79.3	81.3	81.3	82.0	82.7	82.7	83.3	83.7	83.7	83.7	83.7	83.7
IVN 3000	16.3	75.3	79.0	81.0	83.7	83.0	83.7	84.3	84.3	85.0	85.3	85.3	85.3	85.3	85.3
IVN 2500	16.3	77.3	81.0	83.0	85.0	85.0	85.7	86.3	86.3	87.0	87.3	87.3	87.3	87.3	87.3
IVN 2000	16.3	80.0	83.7	85.7	87.7	87.7	88.3	89.0	89.0	89.7	90.0	90.0	90.0	90.0	90.0
IVN 1800	16.3	80.0	83.7	85.7	87.7	87.7	88.3	89.0	89.0	89.7	90.0	90.0	90.0	90.0	90.0
IVN 1500	16.7	80.7	84.7	87.0	89.0	89.0	89.7	90.3	90.3	91.0	91.3	91.3	91.3	91.3	91.3
IVN 1200	16.7	82.7	86.3	88.3	90.3	90.3	91.0	91.7	91.7	92.3	92.7	92.7	92.7	92.7	92.7
IVN 1000	16.7	83.3	88.3	91.0	93.0	93.3	94.0	94.7	94.7	95.3	95.7	95.7	95.7	95.7	95.7
IVN 900	16.7	83.3	88.0	91.0	93.0	93.3	94.0	94.7	94.7	95.3	95.7	95.7	95.7	95.7	95.7
IVN 800	16.7	83.3	88.0	91.0	93.3	93.7	94.7	95.3	95.3	96.0	96.3	96.3	96.3	96.3	96.3
IVN 700	16.7	83.3	88.0	91.0	93.3	93.7	94.7	95.3	95.3	96.0	96.3	96.3	96.3	96.3	96.3
IVN 600	16.7	83.3	88.3	91.3	93.7	94.0	95.0	95.7	95.7	96.3	96.7	96.7	96.7	96.7	96.7
IVN 500	16.7	83.7	88.3	91.3	93.7	94.0	95.0	96.0	96.0	96.7	97.0	97.0	97.0	97.0	97.0
IVN 400	16.7	83.7	88.3	91.3	94.0	94.3	96.0	97.3	97.3	98.0	98.3	98.3	98.3	98.3	98.3
IVN 300	16.7	83.7	88.3	91.3	94.0	94.3	96.0	97.3	97.3	98.0	98.3	98.3	98.3	98.3	98.3
IVN 200	16.7	83.7	88.3	91.3	94.0	94.3	96.0	97.3	97.3	98.0	98.3	98.3	98.3	98.3	98.3
IVN 100	16.7	83.7	88.3	91.3	94.0	94.3	96.0	97.3	97.3	98.0	98.3	98.3	98.3	98.3	98.3
IVN 0	16.7	83.7	88.3	91.3	94.0	94.3	96.0	97.3	97.3	98.0	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

YEAR

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1	≥ 0
NO CEILING	16.6	34.6	67.5	69.7	72.1	72.9	73.3	74.1	74.7	74.5	74.7	74.7	74.7	74.7	74.7	74.7
≥ 20000	16.6	60.5	71.5	73.7	76.2	77.1	77.8	78.3	78.3	78.7	78.8	78.9	79.0	79.0	79.0	79.0
≥ 18000	16.6	60.7	71.7	73.7	76.5	77.3	78.1	78.5	78.7	79.0	79.2	79.2	79.2	79.2	79.2	79.2
≥ 16000	16.6	64.7	71.7	73.7	76.5	77.3	78.2	78.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 14000	16.6	69.2	72.2	74.4	77.1	77.9	78.7	79.2	79.2	79.7	79.8	79.8	79.8	79.8	79.8	79.8
≥ 12000	16.6	74.2	72.7	75.4	78.1	78.9	79.7	80.2	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 10000	17.1	71.7	74.1	76.3	79.7	79.8	80.6	81.1	81.2	81.6	81.7	81.7	81.7	81.8	81.8	81.8
≥ 9000	17.1	71.7	74.1	76.4	79.7	79.9	80.7	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 8000	17.1	71.4	74.6	76.8	79.7	80.3	81.1	81.5	81.7	82.1	82.2	82.2	82.2	82.3	82.3	82.3
≥ 7000	17.1	71.7	74.6	77.1	79.7	80.6	81.4	81.9	81.7	82.3	82.5	82.5	82.5	82.5	82.5	82.5
≥ 6000	17.2	71.7	74.8	77.2	79.8	80.7	81.5	82.0	82.1	82.4	82.6	82.6	82.6	82.6	82.6	82.6
≥ 5000	17.2	72.2	75.5	77.6	80.3	81.1	81.7	82.4	82.5	82.9	83.0	83.0	83.0	83.1	83.1	83.1
≥ 4500	17.3	72.3	75.5	77.7	80.4	81.2	82.0	82.5	82.6	83.0	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000	17.5	73.4	76.6	78.9	81.6	82.4	83.2	83.7	83.7	84.2	84.3	84.3	84.4	84.4	84.4	84.4
≥ 3500	17.6	74.2	77.6	79.7	82.4	83.2	84.0	84.5	84.6	85.0	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000	17.6	75.8	79.2	81.6	84.3	85.2	86.0	86.5	86.6	87.0	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2500	18.2	77.7	81.2	83.7	86.4	87.3	88.2	88.7	88.7	89.1	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	18.5	79.6	83.1	85.7	88.4	89.4	90.2	90.6	90.7	91.2	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800	18.6	79.7	83.2	85.8	88.5	89.5	90.3	90.9	90.9	91.3	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1500	18.7	80.3	84.2	87.0	89.8	90.8	91.7	92.2	92.3	92.7	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1200	18.7	81.3	85.1	87.9	90.8	91.9	92.7	93.3	93.3	93.7	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1000	18.7	82.9	86.7	89.6	91.7	93.0	93.9	94.5	94.6	95.1	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	18.7	84.4	88.2	91.1	93.2	94.5	95.0	95.4	95.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9
≥ 800	18.7	84.9	88.7	91.6	93.7	95.0	95.4	95.8	95.8	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	18.7	86.0	89.8	92.7	94.8	96.1	96.5	96.9	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	18.7	86.0	89.8	92.7	94.8	96.1	96.5	96.9	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	18.7	86.0	89.8	92.7	94.8	96.1	96.5	96.9	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	18.7	86.0	89.8	92.7	94.8	96.1	96.5	96.9	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	18.7	86.0	89.8	92.7	94.8	96.1	96.5	96.9	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	18.7	86.0	89.8	92.7	94.8	96.1	96.5	96.9	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	18.7	86.0	89.8	92.7	94.8	96.1	96.5	96.9	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 0	18.7	86.0	89.8	92.7	94.8	96.1	96.5	96.9	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

2399

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: EL TORO, CALIFORNIA STATION NAME: 73-82 YEARS: DEC MONTH: 01

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	17.0	65.8	65.8	73.0	73.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 20000	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 18000	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 16000	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 14000	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 12000	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 10000	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 9000	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 8000	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6600	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 5000	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4000	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3500	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2500	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2000	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1800	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1500	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1200	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1000	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 900	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 800	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 700	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 600	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 500	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 400	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 300	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 200	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 100	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 0	17.0	67.7	71.0	75.0	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS 314

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL PASO, CALIFORNIA

11-42

D-2

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	12.4	64.2	65.7	66.4	71.7	71.3	72.2	73.2	73.7	73.4	73.7	73.7	74.2	74.2	74.2	74.2
IV 20000	12.4	63.5	67.4	7.7	73.5	72.9	75.5	75.3	75.5	76.8	77.1	77.1	77.4	77.4	77.4	77.4
IV 18000	12.4	63.5	67.4	7.7	73.5	73.9	75.5	75.8	75.4	76.8	77.1	77.1	77.4	77.4	77.4	77.4
IV 16000	12.4	63.5	67.4	7.7	73.5	73.9	75.5	75.8	75.4	76.8	77.1	77.1	77.4	77.4	77.4	77.4
IV 14000	12.4	63.5	67.4	7.7	73.5	73.9	75.5	75.8	75.4	76.8	77.1	77.1	77.4	77.4	77.4	77.4
IV 12000	12.4	63.5	67.4	7.7	73.5	74.2	75.3	76.1	76.1	77.1	77.4	77.4	77.7	77.7	77.7	77.7
IV 10000	12.4	63.4	68.4	71.0	74.9	75.2	76.8	77.1	77.1	78.1	78.4	78.4	78.7	78.7	78.7	78.7
IV 9000	12.4	63.4	68.4	71.0	74.8	75.2	76.8	77.1	77.1	78.1	78.4	78.4	79.7	79.7	79.7	79.7
IV 8000	12.4	63.4	69.4	72.0	75.8	76.1	77.7	78.1	78.1	79.1	79.4	79.4	79.7	79.7	79.7	79.7
IV 7000	12.4	63.4	69.4	72.0	75.8	76.1	77.7	78.1	78.1	79.1	79.4	79.4	79.7	79.7	79.7	79.7
IV 6000	12.4	63.7	69.7	71.7	76.1	76.5	77.1	78.4	78.4	79.4	79.7	79.7	80.7	80.7	80.7	80.7
IV 5000	12.4	63.4	71.3	71.0	76.3	77.1	78.7	79.7	79.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3
IV 4500	12.4	70.2	71.3	74.5	77.7	76.1	79.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4000	12.4	70.2	71.3	74.5	77.7	76.1	79.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3500	12.4	71.3	72.3	75.3	78.7	79.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3000	12.4	71.3	72.3	75.3	79.7	79.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 2500	12.4	73.4	74.2	77.7	81.3	81.3	82.3	83.2	83.2	84.2	84.2	84.2	85.2	85.2	85.2	85.2
IV 2000	12.4	73.4	76.5	8.3	83.2	83.6	85.2	85.5	85.5	86.5	87.1	87.1	87.4	87.4	87.4	87.4
IV 1800	12.4	73.4	77.4	81.1	84.2	84.5	86.1	86.5	86.5	87.4	88.1	88.1	89.4	89.4	89.4	89.4
IV 1500	12.4	73.4	77.4	81.1	84.2	84.5	86.1	86.5	86.5	87.4	88.1	88.1	89.4	89.4	89.4	89.4
IV 1200	12.4	77.1	79.2	82.7	86.5	86.8	89.7	89.7	89.7	90.7	91.3	91.3	91.6	91.6	91.6	91.6
IV 1000	12.4	77.7	79.7	83.0	87.1	87.4	90.7	90.7	90.7	91.3	91.7	91.7	92.3	92.3	92.3	92.3
IV 900	12.4	77.7	79.7	83.0	87.4	87.7	90.7	90.7	90.7	91.6	92.3	92.3	92.6	92.6	92.6	92.6
IV 800	12.4	77.7	79.7	83.0	87.4	88.1	90.7	91.3	91.3	92.3	92.6	92.6	93.2	93.2	93.2	93.2
IV 700	12.4	77.7	79.7	83.0	87.4	88.4	91.3	91.3	91.3	92.6	93.2	93.2	93.6	93.6	93.6	93.6
IV 600	12.4	77.7	79.7	84.0	87.7	88.7	91.3	91.6	91.6	92.6	93.6	93.6	93.9	93.9	93.9	93.9
IV 500	12.4	78.1	80.7	84.3	88.4	89.4	92.6	92.6	92.6	93.9	94.5	94.5	94.8	94.8	94.8	94.8
IV 400	12.4	78.1	80.7	84.3	88.4	89.7	92.6	92.9	92.9	94.2	94.8	94.8	95.2	95.2	95.2	95.2
IV 300	12.4	78.1	80.3	84.0	88.7	89.7	92.6	93.2	93.2	94.8	95.5	95.5	95.8	95.8	95.8	95.8
IV 200	12.4	78.1	80.3	84.0	88.7	89.7	92.6	93.2	93.2	94.8	95.5	95.5	96.1	96.1	96.1	96.1
IV 100	12.4	78.1	80.3	84.0	88.7	89.7	92.6	93.2	93.2	95.2	95.8	95.8	96.5	96.5	96.5	96.5
0	12.4	78.1	80.3	84.0	88.7	89.7	92.6	93.2	93.2	95.2	95.8	95.8	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS: 310

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TOPO, CALIFORNIA

73-72

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3/4	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 3/16	≥ 1/4	≥ 0	
NO CEILING	24.5	5.0	62.0	45.5	66.8	67.1	68.1	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.0
≥ 20000	14.5	6.0	65.0	66.0	69.4	69.7	70.7	71.6	71.6	72.9	72.9	72.9	72.9	72.9	72.9	73.0
IV 18000	14.5	6.0	65.0	66.0	69.4	69.7	70.7	71.6	71.6	72.9	72.9	72.9	72.9	72.9	72.9	73.0
IV 14000	14.5	6.0	65.0	66.0	69.4	69.7	70.7	71.6	71.6	72.9	72.9	72.9	72.9	72.9	72.9	73.0
IV 14000	14.5	6.0	65.0	66.0	69.4	69.7	70.7	71.6	71.6	72.9	72.9	72.9	72.9	72.9	72.9	73.0
IV 12000	14.5	6.0	65.0	66.0	69.4	69.7	70.7	71.6	71.6	72.9	72.9	72.9	72.9	72.9	72.9	73.0
IV 10000	14.5	6.0	65.0	66.0	69.4	69.7	70.7	71.6	71.6	72.9	72.9	72.9	72.9	72.9	72.9	73.0
IV 9000	14.5	6.0	65.0	66.0	69.4	69.7	70.7	71.6	71.6	72.9	72.9	72.9	72.9	72.9	72.9	73.0
IV 8000	14.5	6.0	65.0	66.0	69.4	69.7	70.7	71.6	71.6	72.9	72.9	72.9	72.9	72.9	72.9	73.0
IV 7000	14.5	6.0	65.0	66.0	69.4	69.7	70.7	71.6	71.6	72.9	72.9	72.9	72.9	72.9	72.9	73.0
IV 6000	14.5	6.0	65.0	66.0	69.4	69.7	70.7	71.6	71.6	72.9	72.9	72.9	72.9	72.9	72.9	73.0
IV 5000	14.5	6.0	65.0	66.0	69.4	69.7	70.7	71.6	71.6	72.9	72.9	72.9	72.9	72.9	72.9	73.0
IV 4500	15.2	6.5	7.0	73.2	74.8	75.2	76.1	77.1	77.1	78.4	78.4	78.4	78.4	78.4	78.4	79.4
IV 4000	15.2	6.5	7.0	73.2	74.8	75.2	76.1	77.1	77.1	78.4	78.4	78.4	78.4	78.4	78.4	79.4
IV 3500	15.2	6.5	7.0	73.2	74.8	75.2	76.1	77.1	77.1	78.4	78.4	78.4	78.4	78.4	78.4	79.4
IV 3000	15.2	6.5	7.0	73.2	74.8	75.2	76.1	77.1	77.1	78.4	78.4	78.4	78.4	78.4	78.4	79.4
IV 2500	15.2	6.5	7.0	73.2	74.8	75.2	76.1	77.1	77.1	78.4	78.4	78.4	78.4	78.4	78.4	79.4
IV 2000	15.5	7.0	76.0	81.0	82.5	82.5	84.5	85.5	85.5	87.1	87.4	87.4	87.4	87.4	87.4	88.1
IV 1800	15.5	7.0	76.0	81.0	82.5	82.5	84.5	85.5	85.5	87.1	87.4	87.4	87.4	87.4	87.4	88.1
IV 1500	15.5	7.0	76.0	81.0	82.5	82.5	84.5	85.5	85.5	87.1	87.4	87.4	87.4	87.4	87.4	88.1
IV 1200	15.5	7.0	76.0	81.0	82.5	82.5	84.5	85.5	85.5	87.1	87.4	87.4	87.4	87.4	87.4	88.1
IV 1000	15.5	7.0	76.0	81.0	82.5	82.5	84.5	85.5	85.5	87.1	87.4	87.4	87.4	87.4	87.4	88.1
IV 900	15.5	7.0	76.0	81.0	82.5	82.5	84.5	85.5	85.5	87.1	87.4	87.4	87.4	87.4	87.4	88.1
IV 800	15.5	7.0	76.0	81.0	82.5	82.5	84.5	85.5	85.5	87.1	87.4	87.4	87.4	87.4	87.4	88.1
IV 700	15.5	7.0	76.0	81.0	82.5	82.5	84.5	85.5	85.5	87.1	87.4	87.4	87.4	87.4	87.4	88.1
IV 600	15.5	7.0	76.0	81.0	82.5	82.5	84.5	85.5	85.5	87.1	87.4	87.4	87.4	87.4	87.4	88.1
IV 500	15.5	7.0	76.0	81.0	82.5	82.5	84.5	85.5	85.5	87.1	87.4	87.4	87.4	87.4	87.4	88.1
IV 400	15.5	7.0	76.0	81.0	82.5	82.5	84.5	85.5	85.5	87.1	87.4	87.4	87.4	87.4	87.4	88.1
IV 300	15.5	7.0	76.0	81.0	82.5	82.5	84.5	85.5	85.5	87.1	87.4	87.4	87.4	87.4	87.4	88.1
IV 200	15.5	7.0	76.0	81.0	82.5	82.5	84.5	85.5	85.5	87.1	87.4	87.4	87.4	87.4	87.4	88.1
IV 100	15.5	7.0	76.0	81.0	82.5	82.5	84.5	85.5	85.5	87.1	87.4	87.4	87.4	87.4	87.4	88.1
IV 0	15.5	7.0	76.0	81.0	82.5	82.5	84.5	85.5	85.5	87.1	87.4	87.4	87.4	87.4	87.4	88.1

TOTAL NUMBER OF OBSERVATIONS 310

DINA VOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASH FLEET, NC

CEILING VERSUS VISIBILITY

STATION 11 7000, CALIFORNIA

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/2	≥ 0
NO CEILING	15.2	56.6	54.2	63.4	65.7	66.0	67.0	67.0	68.1	68.9	68.9	68.9	69.3	69.0	67.6	69.4
≥ 2000	15.2	62.5	65.7	69.9	73.1	73.5	74.8	75.1	75.7	76.7	76.7	76.7	77.1	77.4	77.4	77.4
IV 3000	15.2	62.5	66.0	70.2	73.5	73.8	74.8	75.4	76.1	77.1	77.1	77.1	77.4	77.7	77.7	77.7
IV 14000	15.2	62.5	66.0	70.2	73.5	73.8	74.8	75.4	76.1	77.1	77.1	77.1	77.4	77.7	77.7	77.7
IV 14000	15.2	62.5	66.0	70.2	73.5	74.1	75.1	75.7	76.4	77.4	77.4	77.4	77.7	78.0	78.7	78.7
IV 12000	15.2	64.1	67.6	72.6	75.9	76.1	77.0	77.7	78.3	79.3	79.3	79.3	79.3	79.9	79.9	79.9
IV 10000	15.2	64.7	68.7	72.6	76.1	76.7	77.7	78.3	79.3	79.9	79.9	79.9	79.9	80.3	80.6	80.6
IV 9000	15.2	65.1	68.9	73.1	76.8	77.1	78.7	78.6	79.9	80.3	80.3	80.3	80.3	80.6	80.9	80.9
IV 8000	15.2	65.7	69.3	73.6	77.7	77.7	78.6	79.3	79.9	80.9	81.2	81.2	81.2	81.6	81.6	81.6
IV 7000	15.2	66.0	69.6	74.1	77.4	78.0	79.0	79.6	80.3	81.2	81.2	81.2	81.2	81.6	81.9	81.9
IV 6000	15.2	66.4	69.6	74.1	77.4	78.0	79.0	79.6	80.3	81.2	81.2	81.2	81.6	81.9	81.9	81.9
IV 5000	15.2	66.7	70.2	74.8	78.3	78.6	79.6	80.3	81.2	81.2	81.2	81.2	81.6	81.9	81.9	81.9
IV 4500	15.2	67.0	70.6	75.1	78.3	79.3	79.9	80.6	81.2	82.2	82.2	82.2	82.2	82.5	82.9	82.9
IV 4000	15.2	67.0	70.6	75.1	78.3	79.3	79.9	80.6	81.2	82.2	82.2	82.2	82.2	82.5	82.9	82.9
IV 3500	17.2	68.3	71.5	76.1	79.3	79.9	80.9	81.6	82.2	83.2	83.2	83.2	83.5	83.8	83.8	83.8
IV 3000	17.2	68.9	72.5	77.4	80.3	80.9	81.9	82.5	83.2	84.1	84.1	84.1	84.5	84.8	84.8	84.8
IV 2500	17.2	70.2	73.8	78.0	81.9	82.9	84.5	85.1	85.4	86.7	86.7	86.7	87.1	87.4	87.4	87.4
IV 2000	17.2	70.2	74.4	78.3	81.9	82.9	84.5	85.4	86.7	87.4	87.4	87.4	87.8	88.1	88.1	88.1
IV 1800	17.2	70.2	74.4	78.3	81.9	82.9	84.5	85.4	86.7	87.4	87.4	87.4	87.8	88.1	88.1	88.1
IV 1500	17.2	70.2	74.4	78.3	81.9	82.9	84.5	85.4	86.7	87.4	87.4	87.4	87.8	88.1	88.1	88.1
IV 1200	17.2	70.2	74.4	78.3	81.9	82.9	84.5	85.4	86.7	87.4	87.4	87.4	87.8	88.1	88.1	88.1
IV 1000	17.2	70.2	74.4	78.3	81.9	82.9	84.5	85.4	86.7	87.4	87.4	87.4	87.8	88.1	88.1	88.1
IV 900	17.2	70.2	74.4	78.3	81.9	82.9	84.5	85.4	86.7	87.4	87.4	87.4	87.8	88.1	88.1	88.1
IV 800	17.2	70.2	74.4	78.3	81.9	82.9	84.5	85.4	86.7	87.4	87.4	87.4	87.8	88.1	88.1	88.1
IV 700	17.2	70.2	74.4	78.3	81.9	82.9	84.5	85.4	86.7	87.4	87.4	87.4	87.8	88.1	88.1	88.1
IV 600	17.2	70.2	74.4	78.3	81.9	82.9	84.5	85.4	86.7	87.4	87.4	87.4	87.8	88.1	88.1	88.1
IV 500	17.2	70.2	74.4	78.3	81.9	82.9	84.5	85.4	86.7	87.4	87.4	87.4	87.8	88.1	88.1	88.1
IV 400	17.2	70.2	74.4	78.3	81.9	82.9	84.5	85.4	86.7	87.4	87.4	87.4	87.8	88.1	88.1	88.1
IV 300	17.2	70.2	74.4	78.3	81.9	82.9	84.5	85.4	86.7	87.4	87.4	87.4	87.8	88.1	88.1	88.1
IV 200	17.2	70.2	74.4	78.3	81.9	82.9	84.5	85.4	86.7	87.4	87.4	87.4	87.8	88.1	88.1	88.1
IV 100	17.2	70.2	74.4	78.3	81.9	82.9	84.5	85.4	86.7	87.4	87.4	87.4	87.8	88.1	88.1	88.1
IV 0	17.2	70.2	74.4	78.3	81.9	82.9	84.5	85.4	86.7	87.4	87.4	87.4	87.8	88.1	88.1	88.1

TOTAL NUMBER OF OBSERVATIONS

329

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TORO, CALIFORNIA

73-42

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0	
NO CEILING	17.5	54.7	61.2	63.4	69.6	71.5	73.1	75.1	75.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 20000	17.5	57.5	64.1	68.3	74.8	77.7	79.2	80.9	81.2	82.5	82.7	82.9	82.9	82.9	82.9	82.9
≥ 18000	15.4	56.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 14000	15.4	53.2	64.4	69.9	75.4	77.7	79.6	81.6	81.9	83.2	83.5	83.5	83.5	83.5	83.5	83.5
≥ 14000	16.2	54.2	65.4	69.9	78.4	78.6	80.6	82.5	82.7	84.1	84.5	84.5	84.5	84.5	84.5	84.5
≥ 12000	16.2	61.5	66.7	71.2	78.7	80.3	82.2	84.1	84.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1
≥ 10000	16.4	61.6	68.3	72.8	79.6	81.9	83.8	85.8	86.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7
≥ 9000	15.5	61.6	68.3	72.8	79.6	81.9	83.8	85.8	86.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 8000	15.5	62.1	69.6	73.1	79.9	82.2	84.1	86.4	86.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 7000	15.5	62.1	68.6	73.1	79.9	82.2	84.1	86.4	86.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 6000	14.5	62.5	68.9	73.5	80.3	82.5	84.5	86.7	87.1	88.4	88.7	88.7	88.7	88.7	88.7	88.7
≥ 5000	14.5	62.5	68.9	73.5	80.3	82.5	84.5	86.7	87.1	88.4	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4500	16.5	62.8	69.3	73.8	81.6	82.9	84.8	87.1	87.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4000	16.5	63.4	69.9	74.4	81.2	83.5	85.4	87.7	88.1	89.3	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3500	16.7	63.8	70.2	74.8	81.6	83.8	85.8	88.1	88.4	89.6	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	17.2	66.0	72.5	77.0	83.9	86.1	88.0	90.3	90.6	91.9	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2500	17.2	66.7	73.1	78.4	84.8	87.1	89.3	91.3	91.6	92.9	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2000	17.5	66.3	75.1	80.3	87.1	89.3	91.3	93.5	93.9	95.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	17.5	66.3	75.1	80.3	87.1	89.3	91.3	93.5	93.9	95.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500	17.5	64.3	76.1	81.2	88.0	90.3	92.2	94.5	94.8	96.4	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	17.5	64.3	76.1	81.2	88.0	90.3	92.2	94.5	94.8	96.4	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	17.5	64.3	77.1	82.9	89.6	92.2	94.5	96.8	97.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	17.5	64.3	77.4	83.2	90.3	92.6	94.8	97.1	97.4	99.0	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	17.5	71.2	77.7	83.5	90.3	92.9	95.2	97.4	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	17.5	70.2	77.7	83.5	90.3	92.9	95.2	97.4	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	17.5	70.2	77.7	83.5	90.3	92.9	95.2	97.4	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	17.5	70.2	77.7	83.5	90.3	92.9	95.2	97.4	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	17.5	70.2	77.7	83.5	90.3	92.9	95.2	97.4	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	17.5	70.2	77.7	83.5	90.3	92.9	95.2	97.4	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	17.5	70.2	77.7	83.5	90.3	92.9	95.2	97.4	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	17.5	70.2	77.7	83.5	90.3	92.9	95.2	97.4	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	17.5	70.2	77.7	83.5	90.3	92.9	95.2	97.4	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 309

DIRNAVOCEANMET SMOS

4
 12/24
 12/24

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL TOPO, CALIFORNIA

73-82

DEC

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
 HOURS IN DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	12.6	53.1	67.3	63.4	68.9	69.3	72.5	73.1	73.5	74.1	74.4	74.4	74.4	74.4	74.4	74.4
≥ 20000	13.4	57.4	62.8	62.5	75.4	76.1	79.3	80.6	80.9	81.6	81.9	81.9	81.9	81.9	81.9	81.9
≥ 18000	13.6	50.3	63.1	67.6	75.7	76.4	79.6	80.9	81.2	81.9	82.2	82.4	82.2	82.5	82.2	82.2
≥ 14000	13.6	50.3	63.1	69.6	75.7	76.4	79.6	80.9	81.2	82.2	82.5	82.5	82.5	82.5	82.5	82.5
≥ 12000	14.2	57.6	64.7	71.2	77.4	78.0	81.2	82.5	82.7	83.8	84.1	84.1	84.1	84.1	84.1	84.1
≥ 10000	14.5	67.2	66.3	72.8	79.3	79.6	83.2	84.5	84.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1
≥ 9000	14.7	53.1	68.3	74.8	80.9	81.6	85.1	86.4	86.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0
≥ 8000	14.7	63.1	68.3	74.8	80.9	81.6	85.1	86.4	86.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0
≥ 7000	14.7	64.7	69.7	76.4	82.5	83.5	87.1	88.4	88.7	89.6	90.0	90.0	90.0	90.0	90.0	90.0
≥ 6000	14.7	65.4	71.5	77.3	83.2	84.1	87.7	89.0	89.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6
≥ 5000	14.7	66.3	71.5	77.3	84.1	85.1	88.7	90.0	90.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4500	14.7	66.3	71.5	78.0	84.5	85.4	89.0	90.3	90.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9
≥ 4000	14.7	67.3	72.5	79.0	85.4	86.4	90.0	91.3	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3500	14.7	67.6	72.8	79.6	86.1	87.1	90.6	91.9	92.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5
≥ 3000	14.7	69.3	74.4	81.2	87.7	88.7	92.2	93.5	93.9	94.8	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2500	14.7	69.3	74.4	81.2	87.7	88.7	92.2	93.5	93.9	94.8	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000	14.7	7.2	75.4	82.9	89.6	90.6	94.2	95.6	96.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	14.7	70.6	75.7	83.2	90.0	90.9	94.5	96.1	96.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500	14.7	71.2	76.4	83.8	90.6	91.6	95.2	96.6	97.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	14.7	71.2	76.7	84.1	90.9	91.9	95.5	97.1	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	14.7	71.2	76.7	84.1	90.9	91.9	95.5	97.1	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	14.7	71.2	76.7	84.1	90.9	91.9	95.5	97.1	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	14.7	71.2	76.7	84.1	90.9	91.9	95.5	97.1	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	14.7	71.2	76.7	84.1	91.3	92.2	95.8	97.4	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	14.7	71.2	76.7	84.1	91.3	92.2	95.8	97.4	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	14.7	71.2	76.7	84.1	91.3	92.2	95.8	97.4	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	14.7	71.2	76.7	84.1	91.3	92.2	95.8	97.4	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	14.7	71.2	76.7	84.1	91.3	92.2	95.8	97.4	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	14.7	71.2	76.7	84.1	91.3	92.2	95.8	97.4	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	14.7	71.2	76.7	84.1	91.3	92.2	95.8	97.4	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	14.7	71.2	76.7	84.1	91.3	92.2	95.8	97.4	97.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANNMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION EL TOPS, CALIFORNIA STATION NAME

73-92 YEAR

DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3/4	≥ 2	≥ 1 1/4	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	25.0	52.9	66.0	71.2	73.5	74.1	75.4	75.4	76.4	77.4	77.7	77.7	77.7	77.7	77.7
IV 20000	15.2	60.7	69.6	74.8	77.4	78.0	79.6	80.6	80.6	81.6	81.9	81.9	82.2	82.2	82.2
IV 18000	15.2	60.7	69.6	74.8	77.4	78.0	79.6	80.6	80.6	81.6	81.9	81.9	82.2	82.2	82.2
IV 16000	15.2	60.7	69.6	74.8	77.4	78.0	79.6	80.6	80.6	81.6	81.9	81.9	82.2	82.2	82.2
IV 14000	15.5	67.3	70.6	75.7	78.3	79.0	80.6	81.6	81.6	82.5	82.9	82.9	83.2	83.2	83.5
IV 12000	15.5	65.6	71.8	77.0	79.6	80.0	82.2	83.2	83.2	84.1	84.5	84.5	84.8	84.8	85.1
IV 10000	15.4	71.5	74.8	79.9	82.5	83.5	85.1	86.1	86.1	87.1	87.4	87.4	87.7	87.7	88.0
IV 9000	15.9	71.5	74.8	79.9	82.5	83.5	85.1	86.1	86.1	87.1	87.4	87.4	87.7	87.7	88.0
IV 8000	15.4	72.8	76.1	81.2	83.8	84.8	86.4	87.4	87.4	88.4	88.7	88.7	89.0	89.0	89.3
IV 7000	15.9	72.8	76.1	81.2	83.8	84.8	86.4	87.4	87.4	88.4	88.7	88.7	89.0	89.0	89.3
IV 6000	15.4	72.8	76.1	81.2	83.8	84.8	86.4	87.4	87.4	88.4	88.7	88.7	89.0	89.0	89.3
IV 5000	15.4	73.5	76.7	81.9	84.5	85.4	87.1	88.0	88.0	89.0	89.3	89.3	89.6	89.6	90.0
IV 4500	15.4	73.8	77.0	82.2	84.8	85.8	87.4	88.4	88.4	89.6	90.0	90.0	90.3	90.3	90.6
IV 4000	15.9	73.8	78.3	83.5	86.1	87.1	88.7	89.6	89.6	90.9	91.3	91.3	91.6	91.6	91.9
IV 3500	16.2	75.7	79.0	84.1	86.7	87.7	89.3	90.3	90.3	91.6	91.9	91.9	92.2	92.2	92.6
IV 3000	16.2	76.1	79.3	84.5	87.1	88.0	89.6	90.6	90.6	91.9	92.2	92.2	92.6	92.6	92.9
IV 2500	16.2	76.7	79.9	85.1	87.7	88.7	90.3	91.3	91.3	92.6	92.9	92.9	93.2	93.2	93.5
IV 2000	16.2	77.4	81.6	86.1	88.7	89.6	91.3	92.2	92.2	93.5	93.9	93.9	94.2	94.2	94.5
IV 1800	16.2	78.0	81.2	86.7	89.3	90.3	91.9	92.9	92.9	94.2	94.5	94.5	94.8	94.8	95.2
IV 1500	16.2	79.9	83.2	88.7	91.3	92.2	93.9	94.8	94.8	96.1	96.4	96.4	96.8	96.8	97.1
IV 1200	16.5	80.3	83.5	89.0	91.6	92.6	94.2	95.2	95.2	96.4	96.8	96.8	97.1	97.1	97.4
IV 1000	16.5	80.6	83.8	89.3	92.6	93.5	95.2	96.1	96.1	97.4	97.7	97.7	98.1	98.1	98.4
IV 900	16.5	80.9	84.1	89.6	92.9	93.9	95.5	96.4	96.4	97.7	98.1	98.1	98.4	98.4	98.7
IV 800	16.5	81.2	84.5	90.0	93.2	94.2	95.8	96.8	96.8	98.1	98.4	98.4	98.7	98.7	99.0
IV 700	16.5	81.6	84.8	90.3	93.5	94.5	96.1	97.1	97.1	98.4	98.7	98.7	99.0	99.0	99.4
IV 600	16.5	81.9	85.1	90.9	94.2	95.2	96.8	97.7	97.7	99.0	99.4	99.4	99.7	99.7	100.0
IV 500	16.5	81.9	85.1	90.9	94.2	95.2	96.8	97.7	97.7	99.0	99.4	99.4	99.7	99.7	100.0
IV 400	16.5	81.9	85.1	90.9	94.2	95.2	96.8	97.7	97.7	99.0	99.4	99.4	99.7	99.7	100.0
IV 300	16.5	81.9	85.1	90.9	94.2	95.2	96.8	97.7	97.7	99.0	99.4	99.4	99.7	99.7	100.0
IV 200	16.5	81.9	85.1	90.9	94.2	95.2	96.8	97.7	97.7	99.0	99.4	99.4	99.7	99.7	100.0
IV 100	16.5	81.9	85.1	90.9	94.2	95.2	96.8	97.7	97.7	99.0	99.4	99.4	99.7	99.7	100.0
IV 0	16.5	81.9	85.1	90.9	94.2	95.2	96.8	97.7	97.7	99.0	99.4	99.4	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

309

DIRNAVOCEANMET SMOS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: EL TORO, CALIFORNIA

73-82

DATE

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOVEMBER 1957

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 3/8	≥ 3/8	≥ 3/16	≥ 1/2	≥ 0
NO CEILING	14.0	62.6	65.4	56.6	72.5	73.1	78.8	78.8	74.8	75.4	75.4	75.4	75.4	75.4	75.4	75.7	75.7
IV 20000	14.0	65.4	67.6	7.9	75.1	75.7	77.7	77.7	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.6	78.6
IV 18000	14.0	65.4	68.0	71.2	75.4	76.1	77.9	78.1	78.1	78.6	78.6	78.6	78.6	78.6	78.6	79.0	79.0
IV 16000	14.0	66.0	68.6	71.8	76.1	76.7	78.3	79.1	79.1	79.6	79.6	79.6	79.6	79.6	79.6	79.9	79.9
IV 14000	14.0	66.0	68.9	72.2	76.4	77.0	78.0	79.3	79.3	79.9	79.9	79.9	79.9	79.9	79.9	80.3	80.3
IV 12000	15.5	66.7	69.6	72.8	77.1	76.9	79.6	80.3	80.3	80.9	80.9	80.9	80.9	80.9	81.2	81.2	81.2
IV 10000	16.5	68.9	71.5	75.1	79.6	80.6	82.2	82.9	82.9	83.5	83.5	83.5	83.5	83.5	83.5	83.8	83.8
IV 9000	16.5	68.9	71.8	75.1	79.6	80.6	82.2	82.9	82.9	83.5	83.5	83.5	83.5	83.5	83.5	83.8	83.8
IV 8000	16.5	69.3	72.2	75.4	79.9	80.9	82.5	83.2	83.2	83.8	83.8	83.8	83.8	83.8	84.1	84.1	84.1
IV 7000	16.5	69.3	72.2	75.4	79.9	80.9	82.5	83.2	83.2	83.8	83.8	83.8	83.8	83.8	84.1	84.1	84.1
IV 6000	16.5	69.3	72.5	75.7	80.3	81.2	82.0	83.5	83.5	84.1	84.1	84.1	84.1	84.1	84.5	84.5	84.5
IV 5000	16.5	70.6	73.8	77.0	81.6	82.5	84.1	84.8	84.8	85.4	85.4	85.4	85.4	85.4	85.8	85.8	85.8
IV 4500	16.5	70.6	73.8	77.0	81.6	82.5	84.1	84.8	84.8	85.4	85.4	85.4	85.4	85.4	85.8	85.8	85.8
IV 4000	16.5	71.2	74.4	77.7	82.7	83.2	84.9	85.4	85.4	86.1	86.1	86.1	86.1	86.1	86.4	86.4	86.4
IV 3500	16.5	71.8	74.8	78.3	82.5	83.5	85.1	85.8	85.8	86.4	86.4	86.4	86.4	86.4	86.7	86.7	86.7
IV 3000	16.5	73.1	76.3	79.6	84.1	85.1	86.7	87.4	87.4	88.0	88.0	88.0	88.0	88.0	88.4	88.4	88.4
IV 2500	16.5	74.4	77.7	80.9	85.4	86.4	88.1	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.6	89.6	89.6
IV 2000	16.5	75.4	78.6	82.2	86.7	87.7	89.3	90.0	90.0	90.6	90.6	90.6	90.6	90.6	90.9	90.9	90.9
IV 1800	16.5	76.4	79.6	83.2	87.7	88.7	90.3	90.9	90.9	91.6	91.6	91.6	91.6	91.6	91.9	91.9	91.9
IV 1500	16.5	76.7	80.3	83.8	88.7	89.6	91.3	91.9	91.9	92.6	92.6	92.6	92.6	92.6	92.9	92.9	92.9
IV 1200	16.5	78.3	82.2	85.8	90.6	91.6	93.2	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.8	94.8	94.8
IV 1000	16.5	78.6	82.5	86.7	91.6	92.6	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.8	95.8	95.8
IV 900	16.5	78.6	82.5	86.7	91.6	92.6	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.8	95.8	95.8
IV 800	16.5	79.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 700	16.5	79.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 600	16.5	79.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 500	16.5	79.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 400	16.5	79.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 300	16.5	79.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 200	16.5	79.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 100	16.5	79.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.4	96.8	96.8	96.8
IV 0	16.5	79.3	83.2	87.7	92.6	93.5	95.2	95.8	95.8	96.4	96.4	96.4	96.4	96.4	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

LL 1030, CALIFORNIA

73-92

DEC

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/4	≥ 0
NO CEILING	14.3	54.4	62.8	65.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
≥ 20000	14.3	54.4	62.8	65.7	70.2	70.7	72.3	73.0	73.1	73.8	74.0	74.1	74.1	74.2	74.2	74.3
IV 18000	14.4	62.8	66.5	70.4	74.8	75.2	76.9	77.7	77.9	78.0	79.0	79.0	79.1	79.2	79.2	79.3
IV 16000	14.7	62.7	66.6	71.7	74.6	75.3	77.1	77.9	78.1	79.0	79.2	79.2	79.4	79.4	79.4	79.6
IV 14000	14.9	63.4	67.3	71.3	75.2	75.9	77.7	78.6	78.7	79.6	79.8	79.8	80.0	80.1	80.1	80.2
IV 12000	15.0	64.4	68.3	72.4	76.4	77.2	79.0	79.8	80.9	80.9	81.1	81.1	81.3	81.4	81.4	81.5
IV 10000	15.2	65.4	69.7	73.7	78.0	78.8	80.6	81.5	81.6	82.5	82.6	82.6	82.9	83.0	83.0	83.1
IV 9000	15.2	65.4	69.7	73.9	78.1	78.8	80.6	81.5	81.7	82.6	82.8	82.8	83.0	83.0	83.0	83.2
IV 8000	15.3	66.5	70.7	74.9	79.1	79.8	81.6	82.5	82.7	83.6	83.8	83.8	84.0	84.0	84.0	84.2
IV 7000	15.3	67.0	70.8	75.2	79.2	80.0	81.7	82.7	82.8	83.7	84.0	84.0	84.1	84.2	84.2	84.3
IV 6000	15.3	67.1	71.0	75.2	79.4	80.2	81.9	82.9	83.0	83.9	84.2	84.2	84.3	84.4	84.4	84.5
IV 5000	15.3	67.7	71.7	75.9	80.7	80.9	82.6	83.6	83.7	84.6	84.9	84.9	85.0	85.1	85.1	85.2
IV 4500	15.3	68.1	72.0	76.2	80.9	81.2	83.0	83.9	84.0	85.0	85.2	85.2	85.4	85.5	85.5	85.6
IV 4000	15.3	68.7	72.6	76.8	81.1	81.8	83.6	84.5	84.7	85.6	85.9	85.9	86.0	86.1	86.1	86.2
IV 3500	15.4	69.2	73.1	77.4	81.6	82.4	84.2	85.1	85.3	86.2	86.4	86.4	86.6	86.7	86.7	86.8
IV 3000	15.5	70.3	74.3	78.6	82.8	83.6	85.3	86.3	86.4	87.4	87.6	87.6	87.8	87.9	87.9	88.0
IV 2500	15.5	71.5	75.5	79.9	84.1	84.9	86.9	87.8	88.0	88.9	89.2	89.2	89.4	89.5	89.5	89.6
IV 2000	15.6	72.8	76.9	81.7	86.1	86.9	88.9	89.9	90.1	91.1	91.4	91.4	91.5	91.6	91.6	91.7
IV 1800	15.6	73.3	77.4	82.3	86.6	87.5	89.5	90.5	90.7	91.6	91.9	91.9	92.1	92.2	92.2	92.3
IV 1500	15.7	74.5	78.8	83.7	88.2	89.1	91.3	92.3	92.5	93.5	93.8	93.8	94.0	94.1	94.1	94.2
IV 1200	15.8	74.9	79.3	84.3	88.9	89.7	91.9	93.0	93.2	94.2	94.5	94.5	94.7	94.8	94.8	94.9
IV 1000	15.8	75.3	79.8	85.1	89.8	90.7	93.0	94.1	94.2	95.3	95.6	95.6	95.8	95.8	95.8	96.0
IV 900	15.8	75.4	80.1	85.4	90.0	90.9	93.2	94.3	94.5	95.6	95.9	95.9	96.1	96.2	96.2	96.3
IV 800	15.8	75.6	80.2	85.5	90.3	91.3	93.7	94.8	95.0	96.4	96.7	96.7	96.9	96.9	96.9	97.1
IV 700	15.8	75.6	80.2	85.7	90.5	91.5	93.9	95.1	95.3	96.7	96.9	96.9	97.1	97.2	97.2	97.3
IV 600	15.8	75.6	80.3	85.9	90.7	91.7	94.1	95.3	95.5	96.9	97.2	97.2	97.4	97.5	97.5	97.6
IV 500	15.8	75.7	81.3	85.9	90.8	91.8	94.3	95.5	95.6	97.1	97.4	97.4	97.6	97.7	97.7	97.9
IV 400	15.8	75.7	81.4	85.9	90.8	91.8	94.3	95.5	95.7	97.3	97.6	97.6	97.8	97.9	97.9	98.1
IV 300	15.8	75.7	81.4	85.9	90.8	91.8	94.3	95.6	95.7	97.5	97.8	97.8	98.1	98.2	98.2	98.3
IV 200	15.8	75.7	80.4	85.9	90.8	91.8	94.3	95.6	95.8	97.5	97.9	97.9	98.2	98.3	98.3	98.4
IV 100	15.8	75.7	80.4	85.9	90.8	91.8	94.3	95.6	95.8	97.7	98.0	98.0	98.3	98.4	98.5	98.6
IV 0	15.8	75.7	80.4	85.9	90.8	91.8	94.3	95.6	95.8	97.7	98.0	98.0	98.3	98.4	98.5	98.6

TOTAL NUMBER OF OBSERVATIONS 2075

DINA VOCEANMET SWS

4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

EL 7090, CALIFORNIA

73-82

ALL MONTHS

STATION

STATION NAME

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL MONTHS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	12.1	30.3	54.4	61.7	63.3	63.0	64.4	64.6	64.6	64.8	64.7	64.7	64.9	65.0	65.0	65.0
≥ 20000	12.3	30.7	61.4	64.5	65.1	65.6	67.2	67.3	67.5	67.7	67.8	67.8	67.8	67.9	67.9	67.9
≥ 18000	12.3	30.9	62.1	64.5	66.3	66.6	67.4	67.7	67.7	67.9	68.0	68.0	68.1	68.1	68.1	68.2
≥ 16000	12.3	30.9	62.1	64.6	66.3	66.8	67.5	67.7	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.2
≥ 14000	12.3	30.3	62.5	65.0	66.8	67.3	67.9	68.2	68.2	68.4	68.5	68.5	68.5	68.6	68.6	68.7
≥ 12000	12.3	30.1	63.4	65.0	67.7	68.1	68.8	69.1	69.1	69.3	69.4	69.4	69.4	69.5	69.5	69.6
≥ 10000	12.3	30.1	64.5	67.0	68.9	69.3	70.0	70.2	70.3	70.5	70.6	70.6	70.7	70.7	70.7	70.8
≥ 9000	12.3	30.2	64.5	67.0	68.9	69.3	70.1	70.3	70.4	70.6	70.7	70.7	70.7	70.7	70.8	70.9
≥ 8000	12.3	31.4	65.2	67.6	69.6	70.2	70.8	71.1	71.1	71.4	71.4	71.4	71.4	71.5	71.5	71.6
≥ 7000	12.3	32.2	65.5	68.1	70.2	70.5	71.1	71.4	71.5	71.7	71.8	71.8	71.8	71.8	71.9	71.9
≥ 6000	12.3	32.4	65.7	68.3	70.2	70.7	71.4	71.6	71.7	71.9	72.0	72.0	72.0	72.1	72.1	72.2
≥ 5000	12.3	33.1	66.5	68.1	70.7	71.5	72.1	72.4	72.4	72.7	72.7	72.7	72.7	72.8	72.8	72.9
≥ 4500	13.1	33.3	66.7	69.3	71.2	71.7	72.4	72.6	72.7	72.9	73.0	73.0	73.0	73.1	73.1	73.2
≥ 4000	13.3	34.5	68.0	70.0	72.5	73.0	73.7	73.9	74.0	74.2	74.2	74.2	74.3	74.3	74.4	74.5
≥ 3500	13.2	35.6	69.3	71.4	73.8	74.3	75.1	75.3	75.3	75.5	75.6	75.6	75.6	75.7	75.7	75.8
≥ 3000	13.3	37.5	71.5	74.1	76.7	76.6	77.3	77.5	77.5	77.8	77.9	77.9	77.9	78.0	78.0	78.1
≥ 2500	14.1	38.3	73.4	76.6	78.6	79.1	79.8	80.1	80.2	80.4	80.5	80.5	80.5	80.6	80.6	80.6
≥ 2000	14.3	38.6	75.4	79.3	81.3	81.9	82.6	82.9	82.9	83.2	83.3	83.3	83.3	83.4	83.4	83.4
≥ 1800	14.4	38.3	77.1	80.1	82.1	82.7	83.4	83.7	83.7	84.0	84.0	84.0	84.0	84.1	84.1	84.2
≥ 1500	14.5	38.5	80.5	83.7	85.4	86.5	87.2	87.5	87.5	87.6	87.8	87.9	87.9	88.0	88.0	88.1
≥ 1200	14.5	38.3	82.5	85.4	88.2	88.9	89.6	89.8	89.8	90.1	90.1	90.1	90.1	90.2	90.2	90.3
≥ 1000	14.5	38.6	84.5	83.6	91.3	92.1	92.9	93.3	93.4	93.6	93.7	93.7	93.7	93.8	93.8	93.9
≥ 900	14.7	38.5	85.4	84.3	92.1	92.8	93.7	94.1	94.2	94.5	94.6	94.6	94.6	94.7	94.7	94.8
≥ 800	14.7	38.3	85.8	84.2	92.7	93.6	94.6	95.1	95.1	95.4	95.5	95.5	95.5	95.6	95.6	95.7
≥ 700	14.7	38.1	86.1	85.3	93.3	94.2	95.2	95.6	95.7	96.1	96.2	96.2	96.2	96.3	96.3	96.4
≥ 600	14.7	38.2	86.4	85.7	93.8	94.7	95.3	96.3	96.4	96.6	96.6	96.6	96.6	96.7	96.7	96.8
≥ 500	14.7	38.3	86.5	85.9	94.1	95.1	96.3	96.8	96.8	97.4	97.6	97.6	97.6	97.7	97.7	97.8
≥ 400	14.7	38.3	86.6	86.2	94.3	95.3	96.5	97.1	97.2	97.8	98.0	98.0	98.0	98.1	98.1	98.2
≥ 300	14.7	38.3	86.6	86.1	94.4	95.4	96.7	97.3	97.4	97.8	98.1	98.1	98.1	98.2	98.2	98.3
≥ 200	14.7	38.3	86.6	86.1	94.4	95.4	96.7	97.4	97.4	97.5	98.2	98.5	98.5	98.5	98.7	98.7
≥ 100	14.7	38.3	86.6	86.1	94.4	95.4	96.7	97.4	97.4	97.5	98.3	98.5	98.5	98.8	98.9	99.1
≥ 0	14.7	38.3	86.6	86.1	94.4	95.4	96.7	97.4	97.4	97.5	98.3	98.5	98.5	98.8	98.9	99.1

TOTAL NUMBER OF OBSERVATIONS 28708

DIRNAVOCEANMET SMS

SKY COVER

STATION: 4101 EL TORO, CALIFORNIA PERIOD: 73-19, 81-82 MONTH: JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10			
JAN	01	41.9			24.6							14.7	19.1	4.0	278
	04	41.9			20.4							17.2	21.5	4.3	279
	07	17.7			31.0							25.9	23.3	5.6	279
	10	23.3			28.0							25.1	23.7	5.5	279
	13	21.9			26.9							29.0	23.7	5.8	279
	16	21.9			30.1							25.1	24.4	5.6	279
	19	31.9			30.6							17.7	20.3	4.6	279
	22	31.9			28.0							17.7	17.9	4.9	279
TOTALS		23.9			27.4							21.8	21.8	5.0	2231

NAVWEASERVCOM

SKY COVER

1941 - LORC, CALIFORNIA

72-42

1942

STATION

STATION NAME

FE 100

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10			
01	36.2				22.9							15.5	27.4	4.8	310
02	36.2				21.0							15.9	26.9	4.7	309
03	24.2				23.1							23.5	28.7	5.7	310
04	27.5				18.1							29.8	17.1	5.9	310
05	22.3				27.2							31.6	22.9	5.8	310
06	22.6				24.8							32.6	20.0	5.7	310
07	35.1				26.5							28.1	19.7	5.3	310
08	36.				22.1							15.8	24.8	4.6	310
TOTALS	240				22.1							24.1	24.7	5.3	2479

NAVWEASPYCOM

SKY COVER

STATION EL PASO, CALIFORNIA PERIOD 73-72 MONTH 1973

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10			
01	01	47.7			17.0							11.3	29.3	4.4	100
	02	37.3			17.0							16.3	31.3	5.1	100
	07	27.7			27.0							22.7	32.7	6.7	100
	11	26.7			21.0							29.3	23.0	5.6	100
	14	31.7			25.7							26.7	17.0	4.8	100
	16	22.1			31.4							23.0	16.1	4.7	299
	17	22.3			20.7							12.7	17.3	4.4	100
	18	43.3			12.3							14.7	23.7	4.2	100
TOTALS					22.7							27.2	23.7	4.9	2329

SKY COVER

1101 L. TORO, CALIFORNIA
STATION NAME

73-42
PERIOD

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	01	27.1			7.7						4.4	55.5	4.6	310
	04	1.4			9.7						14.2	57.4	7.3	310
	07	1.6			4.7						14.5	61.3	7.7	310
	10	17.3			22.9						25.2	34.8	6.4	310
	13	27.1			29.7						22.6	21.3	6.2	310
	16	31.3			27.4						23.2	19.1	4.7	310
	19	21.2			32.9						17.1	29.9	5.3	310
	22	3.2			16.8						11.3	41.6	5.7	310
TOTAL		2.7			17.1						17.1	39.4	6.1	2490

NAYWEASERVCOM

SKY COVER

4
 8101 LINDERO, CALIFORNIA
STATION STATION NAME

73-22
PERIOD

JUL
MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10			
JUL	01	34.2			17.4							10.0	38.4	5.3	310
	04	21.3			15.1							8.1	53.5	6.6	310
	07	13.5			17.4							19.6	49.7	7.2	310
	10	22.7			42.6							11.9	6.8	3.0	310
	13	44.2			40.6							7.4	2.9	2.2	310
	16	43.7			41.6							7.7	1.9	2.1	310
	19	45.2			42.3							10.4	1.9	2.4	310
	22	4.1			25.2							10.3	16.3	3.3	310
TOTALS		37.2			30.7							10.7	21.5	4.0	2480

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0
4

SKY COVER

0101 EL TORO, CALIFORNIA 73-02 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	01	31.7			17.3						9.7	39.3	5.3	300
	04	26.7			16.7						8.7	48.0	6.1	300
	07	15.0			19.7						15.7	49.7	7.0	300
	10	25.0			30.0						23.3	21.7	5.2	300
	13	32.3			41.3						14.7	11.7	3.7	300
	16	36.3			38.0						15.3	10.3	3.6	300
	19	40.3			30.3						13.7	15.7	3.7	300
	22	44.0			20.7						9.3	26.0	4.1	300
TOTALS		31.7			26.8						13.8	27.8	4.8	2400

NAVWEASERCOM

SKY COVER

2101 STATION EL TORO, CALIFORNIA STATION NAME 73-42 PERIOD OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	01	37.4			17.5						11.7	35.4	5.1	300
	04	30.8			17.5						10.1	41.6	5.6	308
	07	24.7			17.2						20.1	38.0	6.1	308
	10	29.9			33.8						21.4	14.9	4.4	308
	13	28.6			39.9						20.8	10.7	4.1	308
	16	34.1			39.9						16.6	9.4	3.6	308
	19	45.8			26.3						14.0	14.0	3.0	308
	22	40.9			25.6						11.4	22.1	4.0	308
TOTALS		33.5			27.2						15.8	23.3	4.5	2464

4

SKY COVER

23101
STATION

EL TORO, CALIFORNIA
STATION NAME

73-42
PERIOD

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10			
NOV	01	45.0			29.7							12.0	10.3	3.7	300
	04	45.3			22.7							12.7	19.3	3.8	300
	07	32.0			27.7							20.7	19.7	4.7	300
	10	24.3			31.3							25.7	13.7	4.6	300
	13	26.0			35.7							31.3	7.0	4.6	300
	16	23.0			40.3							24.3	12.3	4.6	300
	19	36.3			34.3							22.3	7.0	3.7	300
	22	33.3			29.3							15.3	17.0	4.0	300
TOTALS		34.8			30.8							20.3	14.3	4.2	2400

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SKY COVER

73101 EL TORO, CALIFORNIA 73-42 PERIOD DEC
STATION STATION NAME MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	01	41.7			27.1						11.9	19.0	3.9	310
	04	44.2			24.8						11.6	19.4	3.7	310
	07	28.4			30.6						19.7	21.9	4.0	310
	10	27.1			29.4						23.9	19.7	5.0	310
	13	30.6			31.0						20.6	17.7	4.6	310
	16	25.9			33.7						23.0	17.5	4.8	309
	19	34.7			33.3						13.9	18.8	4.1	309
	22	32.8			26.5						14.9	18.8	4.0	309
TOTALS		34.0			29.6						17.4	19.1	4.4	2477

SKY COVER

STATION

EL TORO, CALIFORNIA

STATION NAME

73-82

PERIOD

ALL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	29.0			27.4						21.8	21.8	5.0	2231
FEB		27.8			25.2						21.8	25.2	5.3	2024
MAR		28.5			22.8						24.1	24.7	5.3	2479
APR		33.0			22.9						20.4	23.7	4.9	2399
MAY		24.0			19.6						17.1	39.4	6.1	2490
JUN		34.0			23.3						12.0	30.8	4.9	2400
JUL		37.2			30.7						10.7	21.5	4.5	2490
AUG		34.4			29.5						11.6	24.5	4.4	2480
SEP		31.7			26.8						13.8	27.8	4.8	2400
OCT		33.4			27.2						15.8	23.3	4.5	2454
NOV		34.4			30.8						20.5	14.3	4.2	2400
DEC		34.0			29.6						17.4	19.1	4.4	2477
TOTALS		31.4			26.3						17.3	24.7	4.8	28714

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NOCD, Federal Building
Asheville, N. C.

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

STATION 131 FL 1390, CALIFORNIA

NO-80

STATION

STATION NAME

YEAR

MAXIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
11													0.0
12													0.1
13													0.5
14													1.6
15													4.6
16													12.4
17													26.6
18													45.1
19													62.5
20													79.1
21													92.6
22													99.9
23													99.9
24													100.0
25													100.0
26													100.0
27													100.0
28													100.0
29													100.0
30													100.0
31													100.0
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33													100.0
34													100.0
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36													100.0
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95													100.0
96													100.0
97													100.0
98													100.0
99													100.0
100													100.0
MEAN	7.045	7.670	7.913	7.818	6.971	6.625	6.246	5.450	7.557	7.914	8.024	7.149	9.649
S. D.	1.10	0.97	1.10	1.19	1.52	1.34	1.50	1.47	1.31	1.51	1.31	1.51	1.35
TOTAL OBS.	110	97	110	119	115	114	115	117	113	115	113	115	135

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131643

DAILY TEMPERATURES

STATION: EL YORQ, CALIFORNIA

45-87

STATION

STATION NAME

YEARS

IN: 404

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
75									0.7	0.2			0.1
74						0.4	1.0	1.5	3.1	0.1	0.2		0.6
73				0.1	0.3	2.5	14.3	21.5	14.0	3.5	0.0	0.0	4.7
72	0.1	0.6	0.4	1.5	2.7	13.1	62.3	59.3	53.1	19.9	3.0	1.5	20.2
71	3.9	4.2	3.6	12.3	31.6	73.3	93.9	94.5	94.8	82.6	18.1	0.6	47.9
70	20.0	21.2	27.1	48.7	77.5	95.9	99.7	99.7	98.9	88.8	53.4	26.1	63.6
69	40.5	56.4	64.9	83.3	97.4	99.9	100.0	100.0	99.9	98.6	83.5	59.0	83.1
68	77.1	78.1	71.5	6.7	99.7	100.0			100.0	99.7	97.1	87.1	95.2
67	85.4	98.1	99.2	99.9	100.0					100.0	100.0	98.3	99.3
66	99.6	100.0	100.0	100.0								99.3	100.0
65	100.0											100.0	100.0
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0													
MEAN	44.5	44.4	40.3	47.1	52.7	57.7	68.4	71.3	69.7	59.2	49.8	45.4	52.3
S.D.	5.73	5.270	4.877	4.778	4.163	4.027	3.870	4.041	4.943	5.091	5.371	5.703	7.720
TOTAL OBS.	110	96	117	112	115	113	113	117	113	115	115	115	1357

NAYWEASERVCOM

DAILY TEMPERATURES

STATION: 111100, CALIFORNIA STATION NAME: 45-07 YEARS: _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
35									.2				.1
36						.1			.5	.1			.1
37						.5	.9	.3	2.0	.9	.1		.4
38					.5	1.7	3.1	4.5	7.7	2.7	.4		1.7
39	.1	.1	.2	1.2	1.4	5.2	19.9	24.0	21.5	4.4	1.2	.3	7.3
40	1.0	1.7	1.0	5.0	6.2	32.8	58.9	74.8	54.3	23.0	7.0	2.3	27.9
41	6.9	7.3	6.6	16.2	29.7	70.4	99.5	99.2	92.2	58.6	22.5	8.1	81.7
42	17.0	22.4	26.6	48.3	76.7	97.6	100.0	100.0	100.0	93.6	54.2	25.6	64.3
43	47.4	60.4	66.7	84.2	98.4	100.0				99.2	87.1	59.5	94.3
44	87.3	92.3	94.5	99.8	100.0					100.0	99.0	85.5	96.2
45	97.6	99.2	99.7	100.0							100.0	99.3	99.7
46	99.6	100.0	100.0									100.0	100.0
47	100.0												100.0
48													
49													
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100													
MEAN	54.7	56.1	56.7	59.7	62.6	66.8	71.6	72.3	70.9	66.3	59.7	56.2	62.9
S. D.	6.003	5.359	4.874	5.244	5.429	4.525	3.834	3.890	5.352	5.532	5.621	5.647	8.049
TOTAL OBS.	1190	956	1130	1129	1152	1134	1150	1157	1131	1150	1130	1151	13026

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131647

NAVAL WEATHER SERVICE DEPARTMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

EL TORO, CALIFORNIA

1946-1979 1981-1982

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				MINIMUM TEMP					
	°F	°C	AVERAGE °F	AVERAGE °C	EXTREME °F	EXTREME °C	DATE	AVERAGE °F	AVERAGE °C	EXTREME °F	EXTREME °C	DATE
1	5.0	11.6	52.9	17.2	81	27.7	1984	42.8	6.0	34	1.1	1972
2	2.9	11.4	61.9	16.6	74	23.3	1969	43.1	6.2	34	1.1	1974
3	5.7	11.5	63.1	17.3	87	30.6	1969	42.8	5.8	31	-0.6	1982
4	7.1	11.7	65.0	17.2	84	28.9	1969	43.2	6.2	28	-1.0	1950
5	4.1	12.3	64.6	18.1	84	28.9	1969	43.5	6.4	32	0.0	1982
6	5.0	12.8	64.9	18.3	77	25.5	1969	45.1	7.3	30	-1.0	1982
7	4.6	12.6	64.7	18.2	84	28.9	1982	44.5	6.9	29	-1.7	1980
8	4.0	12.2	63.8	17.7	74	23.3	1962	44.2	6.8	34	1.1	1949
9	4.5	12.5	65.0	18.3	77	25.5	1981	44.1	6.7	33	0.6	1982
10	5.7	12.2	63.5	17.5	81	27.7	1961	44.2	6.8	29	-1.7	1949
11	7.0	12.2	64.1	17.8	77	25.5	1988	43.7	6.5	28	-3.9	1949
12	5.0	12.1	62.8	17.1	75	23.3	1975	44.8	7.1	30	-1.1	1949
13	4.0	12.7	65.2	18.4	84	28.9	1975	44.5	6.9	33	0.6	1980
14	5.7	13.2	66.0	18.9	87	30.6	1975	45.3	7.4	33	0.6	1963
15	5.0	13.2	66.2	19.0	97	32.8	1976	45.1	7.3	32	0.0	1949
16	6.4	13.6	66.9	19.4	93	33.7	1981	45.9	7.7	36	2.2	1982
17	7.4	13.6	67.1	19.5	82	31.1	1981	45.7	7.6	34	1.1	1975
18	5.0	13.3	65.4	18.6	87	31.0	1971	46.4	8.0	34	1.1	1949
19	5.0	12.9	64.6	18.1	84	31.1	1971	45.3	7.7	36	2.2	1949
20	4.3	12.4	65.3	17.9	87	30.6	1976	45.4	7.4	33	0.6	1975
21	4.0	12.2	63.0	17.2	51	27.0	1976	45.1	7.3	35	2.2	1962
22	4.0	12.7	64.5	18.1	51	26.7	1963	45.2	7.3	35	1.7	1982
23	4.0	12.7	65.1	18.4	85	30.0	1983	44.7	7.1	34	1.1	1947
24	5.3	12.9	65.1	18.4	84	28.9	1981	45.5	7.3	30	-1.1	1949
25	4.0	12.7	64.1	17.9	84	28.9	1981	45.6	7.6	32	0.0	1980
26	3.1	11.7	62.9	17.2	81	27.7	1971	43.3	6.3	32	0.0	1950
27	4.1	12.3	64.5	18.1	87	30.6	1971	43.7	6.5	31	-0.6	1950
28	4.7	12.6	65.5	18.6	86	31.1	1976	44.0	6.7	33	0.6	1975
29	4.6	12.6	64.8	18.2	84	28.9	1971	44.4	6.9	33	0.6	1979
30	3.7	12.1	63.6	17.6	81	27.7	1971	43.7	6.5	30	-1.1	1949
31	4.0	12.3	65.0	18.3	87	30.6	1984	43.3	6.3	34	1.1	1949
Monthly	4.4	12.4	64.4	18.0	97	33.3	1961	44.5	6.9	25	-3.9	1949

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

EL TORO, CALIFORNIA

1966-1979 1981-1982

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	44.4	12.4	44.5	12.1	80	27.2	1976	44.3	6.8	32	.0	1975
2	50.1	13.4	46.3	12.1	82	27.9	1954	43.9	6.6	35	2.2	1974*
3	50.4	13.6	67.2	19.9	85	31.1	1953	44.9	7.2	34	1.1	1951
4	50.4	13.6	47.1	12.0	82	28.2	1953	45.6	7.6	35	2.2	1948
5	50.6	13.1	45.6	12.7	87	32.4	1953	45.5	7.3	37	2.0	1946
6	50.1	13.4	46.1	13.9	87	31.7	1953	46.2	7.9	38	3.3	1949*
7	50.1	13.4	46.1	13.9	82	31.1	1954	46.1	7.8	35	1.7	1948
8	45.1	13.2	45.0	12.8	81	31.7	1970	45.7	7.6	35	1.7	1949
9	45.7	13.2	45.7	12.3	86	30.7	1971	44.4	8.0	33	.6	1949
10	45.6	13.1	45.4	12.6	84	30.7	1971	45.9	7.7	33	1.7	1949
11	45.7	13.3	45.6	12.7	8	29.4	1971	46.2	7.9	35	1.7	1948
12	45.7	13.2	46.3	12.1	94	34.4	1971	45.1	7.3	33	.6	1946
13	45.1	13.4	46.5	12.2	80	31.1	1971	45.7	7.6	33	-1.1	1948
14	45.4	13.6	46.2	12.7	82	31.2	1977	44.5	6.9	35	1.7	1974*
15	45.0	13.1	45.9	12.8	87	30.6	1977	45.1	7.2	33	.6	1948
16	45.1	13.2	46.1	12.9	85	29.8	1981*	45.4	7.4	36	2.2	1975*
17	45.1	13.3	46.6	12.2	81	27.7	1981*	45.4	7.4	32	.0	1975
18	45.1	13.0	45.9	12.8	84	29.2	1981*	44.9	7.2	34	1.1	1975
19	45.1	12.6	44.7	12.7	87	29.4	1965	45.4	7.4	37	2.6	1975*
20	45.1	13.2	46.9	12.4	82	28.2	1982	44.5	6.9	32	.0	1974
21	45.1	13.4	47.3	12.5	87	28.7	1982	45.0	7.2	34	1.1	1953
22	45.7	13.5	47.5	12.7	81	27.7	1981	45.1	7.3	34	1.1	1962
23	45.0	13.6	47.2	12.4	87	30.6	1954	45.8	7.7	36	2.2	1974*
24	45.1	13.6	46.7	12.3	87	27.4	1963*	46.9	8.3	37	2.8	1953
25	45.7	13.7	47.4	12.7	89	26.2	1977	45.9	7.7	33	.6	1962
26	45.0	12.8	45.0	12.3	77	25.6	1977	45.1	7.3	34	2.2	1962
27	45.5	13.1	46.3	12.1	87	29.4	1967	44.6	7.0	30	-1.1	1962
28	45.5	13.1	45.5	12.7	87	30.6	1967	45.4	7.4	32	.0	1962
29	45.1	12.8	44.6	12.1	77	25.2	1968	45.5	7.5	36	2.2	1948
30												
31												
Monthly	45.1	13.2	46.2	12.7	94	34.4	1971	45.4	7.4	30	-1.1	1962*

*ALSO ON EARLIER YEARS

DIRHAOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

EL TORO, CALIFORNIA

1945-1982

MARCH

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	55.7	12.7	64.4	18.7	81	30.7	1967	46.2	7.9	32	.0	1962
2	54.7	12.2	63.3	17.4	76	24.4	1972	44.6	7.0	34	1.1	1953*
3	53.6	12.0	63.7	17.7	79	26.1	1972	43.4	6.3	32	.0	1966
4	48.6	12.0	65.2	18.4	87	30.4	1968	44.1	6.7	33	.6	1951
5	55.3	12.7	65.7	18.7	81	28.0	1979	44.9	7.2	35	1.7	1974**
6	55.8	13.2	66.7	19.0	80	30.1	1979	45.4	7.4	37	2.8	1948
7	54.4	13.0	66.9	19.4	83	28.3	1979	45.8	7.7	37	2.8	1962**
8	57.1	13.4	66.7	19.0	81	27.7	1946	46.0	7.8	35	1.7	1964
9	54.4	13.0	65.4	18.6	81	27.7	1946	45.5	7.5	35	1.7	1974
10	54.0	12.7	64.5	18.1	81	27.7	1982	45.3	7.4	35	1.7	1949
11	56.1	12.8	64.9	18.3	81	29.4	1959	45.3	7.4	35	1.7	1949
12	56.3	13.5	66.1	18.6	85	29.4	1959	46.4	8.0	36	2.2	1975
13	55.7	13.2	65.5	18.6	82	27.8	1947	45.9	7.7	34	1.1	1944
14	54.6	13.7	67.5	19.7	87	30.6	1951	45.7	7.6	35	2.2	1950
15	56.7	13.7	67.6	19.8	87	29.4	1951	45.8	7.7	35	2.2	1946
16	57.5	14.2	67.9	19.2	87	30.6	1978	47.1	8.4	39	3.9	1963**
17	56.3	13.8	67.4	19.7	91	32.1	1979	46.2	7.9	37	2.8	1952
18	54.4	13.0	65.7	19.1	84	28.7	1960	46.1	7.8	36	2.2	1948
19	57.6	14.2	67.6	19.8	85	29.4	1950	47.5	8.6	39	3.9	1943
20	57.6	14.2	67.9	19.9	87	28.7	1965	47.2	8.4	35	1.7	1943
21	56.7	13.8	67.5	19.7	82	27.8	1976	46.3	7.9	37	2.9	1947
22	57.1	13.9	66.9	19.4	84	28.7	1976	47.2	8.4	37	3.9	1942*
23	56.3	13.6	66.2	19.0	84	28.7	1953	46.9	8.3	34	1.1	1944
24	56.6	13.7	67.1	19.5	81	27.7	1968	46.2	7.9	37	2.8	1945
25	57.4	14.1	69.1	20.1	81	29.4	1947	46.7	8.2	36	2.2	1949
26	57.7	14.3	67.9	19.9	83	28.3	1969	47.4	8.6	38	3.7	1946
27	57.6	14.2	68.2	20.1	84	28.9	1969**	47.0	8.3	38	3.3	1975
28	57.6	14.3	68.1	20.1	85	30.7	1969	47.5	8.6	35	1.7	1951
29	57.9	14.4	68.4	20.2	87	30.6	1971	47.4	8.6	38	3.3	1973
30	57.5	14.2	67.3	19.6	81	27.7	1950	47.6	8.7	36	2.2	1967
31	57.3	14.4	66.3	20.2	81	31.1	1966	47.8	8.8	36	3.3	1949
Monthly	56.4	13.6	66.6	19.2	91	32.7	1978	46.2	7.9	37	.0	1966*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION PL TORG, CALIFORNIA

YEARS 1945-1982

MONTH APRIL

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				MINIMUM TEMP					
	°F	°C	AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	DATE	
1	57.7	14.3	60.1	20.1	87	31.7	1959	47.3	8.5	39	3.9	1951
2	57.7	14.2	67.5	19.7	87	31.7	1967	47.5	8.6	37	2.8	1973
3	57.7	14.6	69.2	20.7	97	33.7	1971	47.3	8.5	36	2.2	1949
4	58.2	15.2	71.7	21.7	91	32.7	1971	47.1	8.4	37	3.3	1947
5	58.2	15.4	71.4	21.4	94	34.7	1951	48.2	9.0	33	.6	1953
6	58.9	14.9	69.0	20.6	97	37.7	1962	48.8	9.3	41	5.0	1975*
7	58.1	14.5	68.5	20.3	95	35.7	1962	47.8	8.8	36	2.2	1975
8	58.7	14.8	69.4	20.8	87	31.7	1962	47.9	8.8	40	4.4	1953
9	58.8	14.9	69.2	20.7	87	30.7	1968	48.4	9.1	40	4.4	1953
10	58.2	15.1	69.9	21.1	97	33.7	1968	48.4	9.1	37	2.6	1945
11	58.9	15.5	71.8	21.6	87	31.7	1947	48.9	9.4	39	3.9	1945
12	58.0	15.0	71.1	21.7	97	32.7	1947	48.9	9.4	36	3.3	1953
13	58.2	15.7	71.4	21.7	97	34.4	1947	49.7	9.4	40	4.4	1953*
14	58.4	15.8	71.2	21.8	97	36.1	1964	49.5	9.8	41	5.0	1976
15	58.2	15.2	72.9	22.7	101	38.7	1965	49.6	9.9	42	5.6	1976*
16	58.1	15.6	70.8	21.6	97	33.7	1948	49.4	9.7	41	5.0	1967
17	58.6	15.3	69.7	20.9	87	31.1	1969	49.5	9.7	40	4.4	1976
18	58.4	14.7	67.4	19.7	87	28.7	1957	49.5	9.7	40	4.4	1968
19	58.4	15.2	69.2	20.7	87	31.6	1965	49.5	9.7	41	5.0	1955
20	58.8	15.4	71.4	21.3	97	33.7	1969	49.2	9.6	41	5.0	1974
21	58.8	15.3	69.4	20.8	87	31.1	1958	49.7	9.8	41	5.0	1957
22	58.7	15.4	71.1	21.2	97	32.7	1962	49.4	9.7	39	3.9	1963
23	58.6	15.9	71.9	21.9	97	32.7	1966	50.2	10.1	42	5.6	1967
24	58.5	15.3	69.2	20.7	87	30.7	1966	49.9	9.9	42	5.6	1974*
25	58.8	15.1	69.2	20.7	87	31.1	1965	49.2	9.6	38	3.3	1974
26	59.7	15.4	69.4	20.8	87	28.4	1969	49.9	9.9	41	5.0	1975
27	60.1	15.6	72.0	21.1	87	31.7	1969	50.2	10.1	42	5.6	1974
28	60.2	15.7	70.0	21.1	97	33.7	1965	50.5	10.3	40	4.4	1970
29	60.4	15.8	69.8	21.0	97	35.7	1981	51.0	10.6	41	5.0	1975
30	60.1	15.6	69.8	21.0	83	28.7	1976*	50.5	10.3	40	4.4	1951
31												
Monthly	59.5	15.3	69.9	21.1	101	38.7	1966	49.1	9.5	33	.6	1953

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION LA JOLLA, CALIFORNIA STATION NAME LA JOLLA, CALIFORNIA YEARS 1945-1962 MONTH MAY

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	DATE	
1	61.4	16.3	71.3	21.8	87	30.6	1947	51.4	10.8	44	6.7	1967*
2	61.1	16.6	72.6	22.6	93	31.7	1947	51.0	10.6	39	3.9	1950
3	61.7	16.5	71.6	22.0	97	35.1	1970	51.8	11.0	42	5.6	1973
4	60.7	15.9	70.4	21.3	87	31.7	1953	51.1	10.6	39	3.9	1950
5	60.7	15.9	70.2	21.2	91	33.7	1953	51.1	10.6	40	5.6	1975
6	60.7	15.9	70.6	21.4	9	32.7	1949	50.8	10.7	43	6.1	1978
7	61.2	16.2	71.1	21.7	87	30.7	1950	51.3	10.7	44	6.7	1960*
8	61.4	16.3	71.4	21.9	87	31.7	1961	51.3	10.7	40	4.4	1950
9	61.5	16.4	72.0	22.2	87	31.7	1981	50.9	10.5	47	4.4	1950
10	62.0	16.7	72.2	22.3	91	32.7	1981	51.6	11.0	43	6.1	1948
11	62.1	16.7	72.2	22.3	87	29.8	1979*	52.1	11.2	45	7.2	1964
12	61.9	16.6	71.8	22.1	95	35.7	1979	52.1	11.2	43	6.1	1977
13	62.7	17.2	73.4	23.0	93	36.7	1979	52.5	11.4	45	7.2	1962*
14	62.3	16.8	71.8	22.1	93	33.7	1967	52.5	11.6	44	6.7	1968
15	62.9	17.2	72.6	22.6	101	38.3	1967	53.1	11.7	34	6.7	1958
16	62.7	17.2	72.9	22.7	101	39.7	1967	52.9	11.6	45	7.2	1960*
17	63.4	17.4	74.1	23.4	92	33.7	1970	52.7	11.5	43	6.1	1962
18	63.4	17.7	74.2	23.4	97	33.7	1955	53.7	11.9	45	7.2	1974
19	62.0	17.0	71.9	22.2	87	30.6	1971	53.4	11.9	45	7.2	1974
20	62.8	17.1	72.3	22.4	83	28.7	1960	53.2	11.9	39	3.9	1948
21	62.9	16.9	71.9	22.2	87	27.4	1967	53.1	11.7	41	5.0	1948
22	62.4	16.9	72.1	22.3	83	31.1	1967	52.7	11.5	45	7.2	1972*
23	62.1	16.7	71.2	21.8	81	31.1	1949	53.0	11.7	40	7.8	1965
24	62.0	17.1	72.2	22.3	97	36.1	1952	53.5	11.9	46	7.8	1980*
25	62.7	17.1	72.2	22.3	97	32.7	1974	53.2	11.8	45	7.2	1953
26	63.0	17.2	72.3	22.4	91	32.2	1968	53.8	12.1	46	7.8	1972*
27	63.4	17.4	72.4	22.4	91	32.7	1968	54.4	12.4	48	8.9	1964*
28	63.8	17.7	73.8	23.0	93	36.7	1972	54.3	12.4	48	8.9	1964*
29	63.6	17.7	73.0	22.8	97	36.1	1978	54.6	12.6	44	6.7	1953
30	63.3	17.4	71.9	22.2	87	30.6	1972	54.7	12.6	45	7.2	1953
31	63.4	17.4	71.4	21.9	84	35.7	1946	55.4	13.0	49	9.4	1967*
Monthly	62.4	16.9	72.1	22.3	101	38.7	1967	52.7	11.5	39	3.9	1950*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION EL TORO, CALIFORNIA STATION NAME 1945-1982 YEARS JUNE MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	63.7	17.7	72.9	22.7	87	31.1	1973	54.9	12.7	44	8.9	1953
2	64.1	17.8	73.5	23.1	87	31.7	1973	54.7	12.6	45	7.2	1953
3	64.2	18.2	74.2	23.5	87	30.6	1957	55.4	13.0	47	8.3	1953
4	64.3	18.3	74.7	23.7	91	32.2	1957	55.3	12.9	43	8.9	1957
5	64.4	18.6	74.5	23.6	89	31.1	1972	56.3	13.5	49	9.4	1948
6	64.7	18.3	74.5	23.3	87	31.1	1973	55.8	13.2	44	6.7	1948
7	64.7	18.2	73.7	23.2	92	33.7	1973	55.8	13.2	48	8.9	1953
8	64.3	17.9	72.8	22.7	87	28.9	1981*	55.8	13.2	45	7.2	1953
9	64.5	18.1	73.6	23.1	91	36.7	1979	55.3	12.9	47	8.3	1953
10	64.6	18.3	74.1	23.4	101	36.7	1979	55.7	13.2	47	8.2	1954
11	64.1	18.9	76.1	24.5	101	38.3	1979	56.1	13.4	47	8.3	1953
12	64.2	19.1	76.2	24.6	101	38.7	1979	56.2	13.4	46	7.8	1953
13	64.5	19.2	76.2	24.6	97	35.2	1979	56.8	13.8	48	8.9	1952
14	64.5	19.4	77.3	25.2	97	33.3	1981	56.5	13.6	51	10.6	1952
15	67.1	19.5	77.2	25.1	105	41.1	1981	57.1	13.9	48	9.4	1950*
16	66.8	19.2	76.2	24.6	103	38.4	1981	56.9	13.8	49	9.4	1950
17	67.1	19.5	77.1	25.1	99	37.7	1981	57.2	14.0	49	9.4	1974*
18	67.2	19.6	77.5	25.3	103	39.4	1957	57.6	13.9	47	9.4	1974
19	67.5	19.7	78.3	25.7	95	35.0	1973	56.7	13.7	43	8.9	1974
20	67.6	19.9	78.6	25.9	107	41.7	1973	57.2	14.0	50	10.8	1974*
21	67.1	20.1	78.5	25.8	103	37.8	1973	57.6	14.2	50	10.8	1974
22	68.1	20.1	78.1	25.6	97	36.1	1949	58.2	14.6	52	11.1	1974*
23	68.9	20.5	78.9	26.1	94	34.4	1976	58.8	14.8	51	10.6	1974
24	68.5	20.3	78.2	25.7	97	36.7	1976	58.8	14.9	52	11.1	1972
25	68.5	20.2	78.8	26.0	103	39.4	1973	57.8	14.3	48	8.9	1957
26	68.3	20.2	79.0	26.1	101	38.3	1976	57.7	14.3	49	9.4	1951
27	68.7	20.4	79.2	26.2	103	39.4	1976	58.2	14.6	48	8.9	1953
28	68.6	20.3	79.4	26.3	97	35.6	1980	57.7	14.3	51	10.6	1954*
29	65.4	20.2	80.0	26.7	97	32.2	1980	56.9	13.8	45	7.2	1951
30	69.0	20.6	80.7	27.1	92	33.3	1973	57.2	14.0	48	8.9	1947
31												
Monthly	66.7	19.3	76.6	24.8	107	41.7	1973	56.7	13.7	44	6.7	1948

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION EL TORO, CALIFORNIA STATION NAME EL TORO, CALIFORNIA YEARS 1945-1982 MONTH JULY

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	69.1	20.6	80.1	26.7	91	32.7	1970	58.1	14.5	51	10.4	1962*
2	69.4	20.8	80.4	26.9	100	42.2	1970	58.4	14.7	50	10.0	1962
3	69.6	20.9	80.6	27.1	102	36.9	1981	58.5	14.7	51	10.6	1965
4	69.9	21.1	81.1	27.3	105	40.6	1970	58.7	14.8	51	10.6	1963
5	69.5	20.6	80.3	26.8	101	38.3	1970	58.6	14.8	48	8.9	1948
6	69.6	20.9	81.1	27.3	97	36.1	1970	58.2	14.6	49	9.4	1948
7	70.4	21.3	82.2	27.9	94	34.4	1954	58.6	14.9	48	8.9	1948
8	70.9	21.6	82.8	28.2	95	35.6	1961	59.0	15.0	51	10.6	1964
9	71.3	21.8	83.0	28.3	94	34.9	1968	59.6	15.3	52	11.1	1952*
10	71.9	22.2	83.5	28.6	100	37.8	1959	60.2	15.7	52	11.1	1952*
11	71.7	22.1	83.1	28.4	100	37.8	1971	60.4	15.8	55	12.8	1974*
12	70.8	21.6	81.9	27.7	93	33.7	1953	59.7	15.4	52	11.1	1952
13	70.5	21.4	81.1	27.3	94	34.9	1953	60.0	15.6	51	10.6	1952
14	70.7	21.5	81.3	27.4	95	35.0	1978	60.2	15.7	51	10.6	1963
15	71.3	21.8	81.6	27.6	97	36.1	1978	60.9	16.1	55	12.8	1963*
16	71.4	21.9	82.2	27.9	91	32.7	1980*	60.5	15.8	55	12.8	1970*
17	71.7	22.1	82.7	28.2	91	32.0	1979	60.6	15.9	55	12.8	1973*
18	71.4	21.9	81.8	27.7	97	32.2	1974*	60.9	16.1	50	10.6	1963
19	71.7	22.1	82.2	27.9	94	34.4	1951	61.2	16.2	55	12.8	1947
20	71.9	22.1	82.5	28.1	103	39.4	1960	61.2	16.2	55	12.8	1965*
21	71.7	22.1	82.3	27.9	94	34.4	1960	61.1	16.2	52	11.1	1965
22	71.4	21.9	82.2	27.9	92	33.7	1960	60.7	15.9	55	12.8	1965*
23	71.7	22.2	82.2	27.9	95	32.7	1982*	61.5	16.4	54	12.2	1973
24	71.9	22.2	82.3	27.9	91	32.7	1974*	61.5	16.4	53	11.7	1948
25	72.3	22.4	83.0	28.3	91	32.7	1972*	61.6	16.4	52	11.1	1948
26	72.9	22.7	83.7	28.7	94	36.7	1977	62.1	16.7	56	13.3	1970*
27	73.1	22.6	84.3	29.1	103	39.4	1972	61.8	16.6	52	11.1	1965
28	72.7	22.6	83.3	28.5	95	35.7	1972	62.0	16.7	54	12.2	1965
29	73.2	22.9	83.7	28.7	98	36.7	1972	62.6	17.0	57	13.9	1963*
30	73.4	23.0	84.3	29.1	101	38.3	1972	62.6	17.0	52	11.1	1948
31	73.4	23.0	84.3	29.1	97	36.7	1972	62.6	17.0	56	13.3	1970*
Monthly	71.4	21.9	82.3	27.9	103	42.2	1970	60.4	15.8	48	8.9	1948

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

EL TORO, CALIFORNIA

1945-1982

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	72.7	22.7	83.9	28.8	97	35.6	1972	61.4	16.6	52	11.1	1949
2	72.7	22.7	83.9	28.8	97	35.6	1966	62.5	16.9	52	11.3	1965
3	71.4	22.2	81.8	27.7	97	35.6	1971*	62.8	16.7	55	12.8	1953
4	71.9	22.1	82.1	27.8	97	35.7	1971*	61.5	16.4	51	12.6	1943
5	72.4	22.4	83.1	28.4	94	34.4	1961	61.7	16.5	53	11.7	1951
6	73.4	23.0	84.5	29.2	97	36.1	1982	62.3	16.9	51	10.8	1950
7	72.9	22.7	84.7	29.3	97	36.1	1970	61.2	16.2	52	12.0	1951*
8	73.2	23.1	85.1	29.5	100	37.2	1970	62.0	16.7	52	11.1	1949
9	72.9	22.7	84.1	28.9	97	36.7	1965	61.7	16.5	52	11.1	1949*
10	72.8	22.7	83.1	28.4	97	36.1	1965	62.5	16.9	52	11.1	1949*
11	72.7	22.4	82.2	27.9	97	34.4	1965	62.3	16.9	47	8.3	1950
12	71.7	22.1	81.9	27.4	97	33.4	1965	62.8	16.9	49	9.4	1949*
13	72.2	22.2	82.2	27.8	95	35.6	1965	61.9	16.6	54	12.2	1950
14	72.1	22.3	82.4	28.0	94	35.6	1965	61.7	16.5	52	11.1	1945
15	71.9	22.2	82.8	28.7	94	35.6	1958	61.0	16.1	47	8.3	1950
16	71.7	22.2	82.5	28.1	94	34.4	1962	61.4	16.3	52	11.1	1949
17	71.6	22.0	82.1	27.9	94	34.4	1945	61.1	16.2	52	11.1	1949*
18	71.4	22.0	81.7	27.6	95	35.6	1967*	61.4	16.3	53	11.7	1948
19	72.2	22.2	82.0	27.8	95	35.6	1973	62.1	16.7	52	11.1	1948
20	71.7	22.1	82.1	27.9	97	33.7	1981*	61.4	16.3	53	11.7	1947
21	71.4	21.9	82.2	27.9	95	35.7	1969	59.5	15.8	44	12.2	1974
22	71.4	21.9	82.4	28.0	101	37.7	1969	60.4	15.8	53	11.7	1948*
23	71.1	22.3	83.7	28.7	107	39.4	1968	60.4	15.8	52	11.1	1973
24	71.2	21.9	83.3	28.5	97	36.1	1968	59.7	15.4	50	10.0	1948
25	72.2	22.2	83.6	28.8	97	36.7	1981	60.3	15.7	54	12.2	1975*
26	71.9	21.9	83.1	27.8	97	37.7	1981	61.0	16.1	55	12.8	1954
27	71.8	22.1	82.5	28.1	97	36.7	1981	61.1	16.2	51	10.6	1975
28	71.5	21.9	82.2	27.9	97	35.6	1981	60.9	16.1	52	11.1	1975
29	71.2	21.8	82.5	28.1	95	36.7	1972	59.8	15.4	53	11.7	1947
30	71.2	21.8	82.4	28.0	102	38.9	1967	60.1	15.6	53	11.7	1975*
31	71.9	21.6	82.2	27.7	101	38.1	1955	59.5	15.3	51	10.8	1970
Monthly	72.2	22.2	82.8	28.2	103	39.4	1969	61.3	16.3	47	8.3	1950

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION EL TIHO, CALIFORNIA

1945-1982 YEARS

SEPTEMBER MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	DATE	
1	70.0	22.2	83.1	28.4	103	41.1	1955	61.0	16.1	52	10.0	1977
2	72.1	22.3	83.2	28.4	103	40.6	1955	61.1	16.2	52	11.1	1946
3	72.8	22.7	84.1	28.9	97	36.7	1955	61.5	16.4	57	13.9	1973*
4	72.2	22.3	83.5	28.6	100	37.9	1961	60.9	16.1	54	12.2	1965*
5	71.8	22.1	82.6	28.2	97	36.1	1955	60.8	16.0	54	12.2	1962*
6	72.8	22.2	83.2	28.4	99	37.2	1955	60.7	15.9	51	10.6	1973
7	72.2	22.3	83.7	28.7	100	37.6	1949	60.8	16.0	52	11.1	1964
8	72.0	22.2	83.5	28.6	97	37.2	1963	60.5	15.8	52	11.1	1965*
9	71.8	22.1	83.6	28.7	102	38.9	1956	60.1	15.6	50	10.0	1950
10	71.4	21.9	82.8	28.2	100	37.9	1963	60.0	15.6	50	10.0	1950*
11	71.5	21.9	82.8	28.2	104	41.1	1963	60.2	15.7	50	10.0	1952
12	70.8	21.6	81.4	27.4	104	40.3	1971	60.2	15.7	50	10.0	1961
13	70.7	21.5	81.6	27.6	102	42.2	1971	59.8	15.4	50	10.0	1966
14	70.0	21.1	80.5	26.9	99	37.2	1971	59.5	15.3	50	10.0	1970
15	69.4	20.8	79.9	26.6	102	38.2	1979	58.8	14.9	47	9.4	1970
16	69.8	21.0	79.6	26.4	97	36.7	1979	59.9	15.5	52	11.1	1972
17	69.6	20.9	79.3	26.0	97	35.0	1979	60.4	15.8	52	11.1	1973*
18	69.6	20.9	79.1	26.7	95	35.1	1981	59.1	15.1	49	9.4	1971
19	69.8	20.6	79.5	26.4	97	36.7	1979	58.5	14.7	46	8.9	1950
20	69.9	20.5	79.7	26.5	97	32.2	1979	58.1	14.5	45	7.2	1954
21	69.4	20.8	79.8	26.6	97	32.2	1978	59.1	15.1	44	8.9	1954
22	70.2	21.2	82.2	27.5	97	35.2	1975	58.2	14.6	52	11.1	1957*
23	70.9	21.6	82.9	28.3	103	39.4	1975	58.9	14.9	50	10.0	1961
24	71.0	21.7	83.1	27.8	103	39.4	1978	59.9	15.5	50	10.0	1973*
25	70.2	21.2	81.4	27.4	105	40.6	1963	59.1	15.1	50	10.0	1948
26	70.5	21.4	81.5	27.5	106	46.7	1963	59.6	15.3	44	6.7	1948
27	69.9	21.1	80.6	27.2	117	45.2	1963	59.3	15.2	47	8.3	1949
28	69.8	21.0	80.5	26.9	110	43.3	1963	59.1	15.1	30	10.0	1974*
29	69.4	20.9	80.1	26.7	106	41.1	1963	58.8	14.9	48	8.9	1948
30	69.6	20.5	79.1	26.2	97	33.2	1965	58.2	14.6	48	8.9	1948
31												
Monthly	70.6	21.4	82.6	27.6	110	46.7	1963	59.7	15.4	44	6.7	1948

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION EL TORO, CALIFORNIA

YEARS 1945-1962

MONTH OCTOBER

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	67.4	20.2	78.8	26.0	94	35.0	1965	58.0	14.4	48	8.9	1945
2	67.0	19.9	78.5	25.9	93	35.7	1965	57.4	14.1	43	6.1	1950
3	67.4	20.2	79.9	26.6	107	37.8	1958	56.9	13.8	49	9.4	1946
4	67.4	20.1	79.2	26.2	99	37.0	1953	57.1	13.9	49	8.9	1973*
5	67.7	20.4	79.6	26.6	107	39.4	1971	57.6	14.2	50	10.0	1971*
6	67.8	20.4	79.4	26.3	12	40.7	1971	57.2	14.0	47	8.3	1946
7	67.4	20.2	79.5	26.4	9	36.7	1971	57.4	14.1	46	7.8	1948
8	67.0	19.6	78.3	25.7	9	35.6	1976	56.1	13.4	47	8.3	1954
9	66.7	19.3	77.5	25.3	96	35.6	1976	55.8	13.2	45	7.2	1961
10	65.7	18.8	76.4	24.7	99	37.7	1971	55.4	13.0	45	7.2	1949
11	65.7	18.8	77.0	25.0	98	36.7	1971	54.5	12.7	47	8.3	1951
12	65.7	18.7	76.6	24.9	98	36.7	1950	54.9	12.7	47	8.3	1961
13	66.3	19.1	77.4	25.2	103	39.4	1950	55.1	12.8	49	9.4	1981*
14	67.2	19.6	77.5	25.3	107	42.2	1961	57.0	13.9	47	8.3	1981
15	66.9	19.4	77.8	25.4	107	40.6	1961	55.0	13.3	47	8.9	1981
16	66.4	19.1	77.2	25.1	104	40.7	1958	55.6	13.1	47	8.3	1981
17	65.2	18.8	76.6	24.9	97	36.1	1958	55.3	12.9	44	6.7	1946
18	66.2	19.1	76.8	24.9	96	35.6	1981	55.6	13.1	45	7.2	1946
19	65.9	18.8	77.1	25.1	101	36.7	1964	54.8	12.7	39	3.3	1949
20	65.1	18.4	75.7	24.3	97	36.1	1968	54.4	12.4	41	5.0	1949
21	65.0	18.3	75.2	24.7	102	38.9	1965	54.8	12.7	39	3.9	1949
22	65.7	18.3	75.7	24.3	100	41.1	1965	54.3	12.4	45	7.2	1949
23	64.5	18.1	75.8	24.3	98	36.7	1965	53.3	11.8	44	6.7	1949
24	65.0	18.3	75.5	24.7	97	36.1	1965	53.6	12.0	43	7.2	1953
25	64.7	18.2	76.3	24.6	97	33.0	1965	53.2	11.4	43	7.2	1971
26	63.7	17.6	74.7	23.3	97	32.7	1965	53.4	11.9	46	7.8	1940*
27	64.1	17.8	74.5	23.6	98	36.7	1973	53.8	12.1	44	6.7	1949
28	64.1	18.1	75.4	24.1	92	33.3	1973*	53.8	12.1	43	6.1	1971*
29	63.9	17.7	75.3	24.1	82	31.7	1965	52.5	11.4	40	4.4	1971
30	63.6	17.6	74.7	23.7	98	36.7	1962	52.5	11.4	39	3.9	1971
31	63.7	17.6	75.4	24.1	91	32.0	1967*	52.1	11.2	42	5.6	1971*
Monthly	66.1	18.9	76.9	24.9	106	42.2	1961	55.2	12.9	38	3.3	1949

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

FL 7090, CALIFORNIA

1945-1962

NOVEMBER

STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	63.7	17.6	75.6	24.2	94	35.6	1966	51.5	11.0	42	5.6	1956
2	64.1	17.8	75.7	24.3	94	35.5	1975	52.5	11.4	42	4.4	1946
3	63.9	17.7	75.7	24.3	94	34.4	1950	52.1	11.2	40	4.4	1946
4	63.7	17.8	75.6	24.2	94	35.6	1976	51.8	11.0	42	5.6	1974*
5	62.9	17.2	73.7	23.2	91	32.4	1976	52.1	11.2	42	5.6	1974*
6	63.5	17.5	74.9	23.8	89	31.7	1949	52.3	11.3	42	5.6	1973
7	64.2	16.8	72.7	22.7	9	32.2	1956	51.7	10.9	46	7.8	1947
8	62.3	16.8	72.9	22.7	94	34.4	1956	51.7	10.9	42	5.6	1974*
9	62.4	16.9	73.4	23.0	97	36.1	1956	51.3	10.7	41	5.0	1948
10	60.8	16.0	71.7	22.1	97	33.3	1956	49.9	9.9	39	3.9	1946
11	60.4	15.8	71.0	21.7	87	30.5	1956	50.0	10.0	35	1.7	1950
12	60.6	15.9	70.8	21.6	84	31.1	1974*	50.4	10.2	34	3.3	1950
13	60.2	15.7	69.3	20.7	82	31.1	1949	51.0	10.6	44	6.7	1946
14	59.4	15.2	68.9	20.5	87	30.5	1949	49.9	9.9	39	3.9	1964
15	58.3	14.6	66.3	20.2	86	30.0	1949	48.4	9.1	39	3.9	1964*
16	59.2	15.0	68.9	20.5	89	31.7	1976	49.0	9.4	36	2.2	1956
17	59.0	15.0	69.0	20.6	89	31.7	1976	48.9	9.4	40	4.4	1945
18	59.1	15.1	69.6	20.9	86	30.0	1949	48.7	9.3	41	5.0	1974*
19	59.6	15.3	70.2	21.2	83	31.1	1954	49.0	9.4	33	3.3	1973*
20	59.6	15.3	69.6	20.9	89	31.7	1954	49.5	9.7	39	3.9	1973
21	58.9	14.9	68.7	20.4	85	29.4	1954	48.9	9.4	39	3.9	1953
22	58.4	14.7	69.0	20.6	91	32.2	1950	47.8	8.8	39	3.9	1962*
23	58.6	14.8	69.8	21.0	67	29.4	1975	47.4	8.6	35	1.7	1947
24	59.5	13.3	71.2	21.6	91	32.2	1975	47.9	8.8	38	3.3	1973
25	59.4	15.2	70.4	21.3	9	32.2	1977	48.4	9.1	33	3.3	1968
26	58.3	14.9	69.4	20.8	85	29.4	1977*	48.1	8.9	40	4.4	1965*
27	58.0	14.9	69.4	20.8	8	26.7	1977*	48.3	9.1	38	3.3	1973
28	59.0	15.0	69.7	20.9	8	26.7	1959	48.2	9.0	40	4.4	1952*
29	59.5	15.3	70.2	21.2	85	29.4	1977*	48.7	9.3	36	2.2	1975
30	58.1	14.5	68.7	20.4	85	30.0	1964	47.4	8.6	35	1.7	1948
31												
Monthly	60.5	15.8	71.1	21.7	97	36.1	1956	49.8	9.9	35	1.7	1950*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

EL TORO, CALIFORNIA

1945-1962

OFFICE USE

STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				MINIMUM TEMP					
	°F	°C	AVERAGE °F	AVERAGE °C	EXTREME °F	EXTREME °C	DATE	AVERAGE °F	AVERAGE °C	EXTREME °F	EXTREME °C	DATE
1	57.1	14.4	67.8	19.9	84	31.1	1959	48.3	9.1	31	1.3	1947
2	57.3	14.3	66.4	20.2	91	32.7	1958	47.1	8.4	36	2.2	1973
3	57.8	14.3	66.4	20.2	93	32.7	1958	47.2	8.4	35	1.7	1973
4	57.0	13.9	67.0	19.4	87	30.6	1979	47.0	8.3	34	1.1	1948
5	56.7	13.8	66.9	19.4	91	32.7	1979	46.6	8.1	32	0.0	1948
6	56.7	13.8	66.2	19.0	87	30.6	1979	46.3	7.9	31	1.7	1951
7	56.1	13.4	66.4	19.1	81	26.7	1979*	45.8	7.7	34	3.3	1953*
8	56.7	13.5	65.9	18.8	82	27.8	1957	46.6	8.1	37	2.8	1951
9	56.5	13.6	66.9	19.4	84	28.9	1975	46.1	7.8	34	1.1	1948
10	56.5	13.6	67.7	19.4	81	29.4	1950	46.0	7.8	39	3.9	1973*
11	56.7	13.8	66.6	19.2	83	28.7	1954	47.0	8.3	32	0.0	1949
12	56.5	13.8	66.9	19.4	83	28.7	1952	46.2	7.9	32	0.0	1949
13	56.6	13.8	66.4	19.1	81	29.4	1953	44.8	7.1	35	1.7	1949
14	56.7	13.8	66.3	19.1	82	31.1	1953	46.1	7.3	34	1.1	1947
15	56.4	13.6	67.0	19.4	84	28.9	1980	45.8	7.7	37	2.8	1948*
16	56.5	13.6	67.3	19.4	85	29.4	1980	46.0	7.8	37	2.8	1942
17	56.1	13.4	65.9	18.8	79	26.7	1950	46.2	7.9	36	2.2	1975
18	55.2	12.9	64.4	19.0	71	25.6	1950	46.0	7.8	31	3.3	1944
19	55.1	12.8	65.1	18.4	81	27.7	1954	45.2	7.3	35	1.7	1975
20	55.4	13.2	66.7	19.3	85	29.4	1960	44.2	7.2	28	-2.2	1968
21	54.8	12.7	64.7	18.2	71	26.7	1964	45.2	7.3	27	-2.2	1968
22	44.8	12.4	63.9	17.7	81	27.7	1967	45.4	7.4	34	1.1	1964
23	45.3	12.4	65.4	18.6	81	26.7	1963	45.2	7.3	34	1.1	1965
24	45.5	13.1	65.7	18.7	83	28.7	1947	45.4	7.4	31	-0.6	1948
25	45.1	13.2	65.7	18.8	81	28.7	1947	46.3	7.9	34	1.1	1951*
26	45.0	13.2	65.7	18.7	81	27.7	1956	45.9	7.7	36	2.2	1949
27	44.5	12.5	64.2	17.9	84	28.9	1956	44.9	7.2	35	1.7	1962
28	44.5	12.5	63.8	17.7	84	28.9	1963*	45.1	7.3	30	-1.1	1961
29	45.0	12.8	64.7	18.2	82	31.1	1980*	45.2	7.3	34	1.1	1954
30	44.5	12.5	64.7	18.2	87	30.6	1980	44.3	6.8	30	-1.1	1949
31	44.2	12.3	64.2	17.9	82	27.8	1963	44.3	6.8	37	2.8	1951
Monthly	55.9	13.3	66.0	18.9	93	32.7	1958	45.9	7.7	26	-2.2	1968

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(*FROM DAILY OBSERVATIONS)

2101 LL TORO, CALIFORNIA 85-87
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
85				80	82	80	86	94	92	96	93	78	
86	78	74	84	86	84	84	90	90	92	91	78	72	92
87	76	81		94	93	81	97	95		84	78	83	
88		70	74	92	85	81	87	90	100	91	86	78	
89	69	75	71	86	90	97	86		100	91	93	75	
90	73	72	85	86		87	89		92	103	94	85	
91	84	77	87	81	84	86	94	95	91	96	85	70	96
92	76	80	80	83	97	86	89	90		88	89	83	
93	86	87	84	74	92	83		85	92	102	87	88	
94	87	88	76	79	83	81	94	94	91	85	99	81	94
95		78	82	83	72	85	85	101	106	85	80	77	
96	77	71	80	77	86	88	85	94	102	85	97	87	102
97	73	83	81		77	103	99	95	88	81	81	83	
98	79	76	70	91	81	84	88	96	95	104	80	93	104
99	77	74	85	89	74	87	100	92	99	90	86	88	108
00	75	72	85	89	87	91	103	88	99	93	81	85	103
01	83	81	85	88	89	90	96	94	100	100	86	74	108
02	84	73	71	99	91	93	90	88	95	98	81	77	99
03	82	83	71	78	79	86	88	95	116	87	83	82	116
04	81	83	84	97	84	90	88	91	93	101	88	76	101
05	88	85	83	92	84	80	92	98	93	106	90	82	106
06	79	79	88	101	83	84	91	96	94	93	96	74	101
07	77	87	86	71	101	87	93	102	100	100	88	76	102
08	82	82	87	92	91	90	78	103	100	95	84	72	103
09	87	78	84	92	85	89	90	101	93	93	90	81	101
10	72	84	82	83	97	103	108	100	99	90	85	80	108
11	89	94	87	92	89	92	100	95	108	105	89	75	108
12	85	82	82	83	90	88	103	98	90	90	80	79	103
13	76	76	70	83	98	107	89	96	98	98	84	82	107
14	76	81	78	88	90	91	91	86	93	101	78	81	101
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION EL TORO, CALIFORNIA
STATION NAME

45-87

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	87	79	72	75	81	83	93	93	103	92	93	84	103
76	90	82		83	88	103	89	99	92	96	96	84	
77	82	87	79	87	80	82	98	89	95	87	90	81	98
78	72	72	90	76	97	92	57	89	103	88	83	75	103
79	71	75	86	81	98	101	92	90	102		81	90	
80			81	85	79	96	98	95	94	89	81	88	
81	70	85	77	95	90	106	102	99	95	96	88	79	106
82													
MEAN	81.1	80.3	81.2	85.8	88.0	89.7	93.3	94.5	97.0	94.0	86.5	80.8	102.6
S.D.	6.04	5.69	5.49	7.20	6.45	7.61	5.13	6.52	5.85	6.89	5.19	5.04	6.75
TOTAL OBS.	102	98	105	108	111	111	111	185	100	111	111	117	1295

SMOS

NAVAL WEATHER SEF VICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION EL TOPO, CALIFORNIA STATION NAME 45-82 YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47			85 10						97 29				MAX TEMP DAYS
48	81 10												MAX TEMP DAYS
49								97 29					MAX TEMP DAYS
50					86 10			91 10					MAX TEMP DAYS
51									96 29				MAX TEMP DAYS
53							97 10						MAX TEMP DAYS
55	75 10												MAX TEMP DAYS
57				75 29									MAX TEMP DAYS
76			84 10										MAX TEMP DAYS
79										85 29			MAX TEMP DAYS
82	78 25	83 0	81 16	87 20	73 6	74 24	93 12	97 13	98 23	98 6	89 21	74 4	MAX TEMP DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION FL TORO, CALIFORNIA STATION NAME 45-82 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
40				37	46	51	58	52	53	52	39	38	
41	35	33	36	41	45	49	53	55	50	40	39	36	33
42	33	37		38	46	48	51	53		47	35	33	
43		37	34	37	39	44	48	49	44	42	35	31	
44	25	32	35	36	42	49	54		47		42	30	
45	29		35	40	39	45	55		48	43	35	39	
46	36	34	33	39	43	49	52	50	52	46	39	35	33
47	31	30	37	44	45	47	51	55		49	39	35	
48	38	34	34	33	34	45		51	50	45	39	35	
49	37	33	36	42	43	48	55	54	45	45	42	34	34
50		34	41	41	45	47	54	55	52	48		39	
51	39	34	39	41	50	50	55	55	56	46	40	42	36
52	35	40	43		50	51	56	58	55	50	44	46	
53	44	45	41	45	50	54	56	60	55	55	36	39	36
54	46	39	45	53	49	55	61	56	59	50	51	40	39
55	36	41	44	38	48	52	53	57	55	50	39	36	36
56	30	43	43	44	48	51	54	54	50	43	38	30	30
57	33	30	32	43	43	49	50	45	53	43	39	36	37
58	33	43	35	39	47	51	50	56	56	53	44	39	33
59	37	38	35	41	44	47	51	56	52	50	36	38	35
60	37	36	44	42	46	48	51	56	51	49	40	34	34
61	36	39	32	46	50	52	55	59	50	49	42	38	32
62	40	40	36	41	44	46	56	60	58	47	39	37	36
63	35	45	42	40	44	52	51	56	54	50	38	28	28
64	34	38	35	45	47	52	55	56	52	49	46	38	34
65	38	40	40	40	43	45	55	55	51	49	48	46	38
66	36	38	41	42	46	50	58	57	49	39	43	38	36
67	36	38	42	43	45	52	55	54	52	48	46	37	36
68	33	40	38	37	42	50	54	42	50	46	38	35	33
69	33	37	35	33	41	44	53	43	50	45	42	39	32
MEAN													
S. D.													
TOTAL OSS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

45-52 STATION EL TORO, CALIFORNIA STATION NAME 45-52 YEARS

WHOLE DEGREES FARENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	33	32	36	36	42	51	53	51	53	46	36	35	32
76	36	41	40	40	50	53	59	56	57	49	43	42	
77	40	37	36	44	46	55	55	61	56	53	44	44	36
78	42	41	45	43	48	52	56	44	56	54	43	37	37
79	33	42	41	46	44	54	58	58	57		44	43	
80			44	46	46	52	56	60	56	50	46	44	
81	36	39	40	45	50	57	59	57	57	45	44	38	36
82													
MEAN	36.5	37.8	38.0	41.0	45.0	50.3	54.0	59.2	52.5	47.5	40.9	37.2	36.2
S. D.	4.086	3.953	4.015	3.524	3.053	3.110	2.940	2.978	3.681	3.760	3.702	4.010	2.630
TOTAL OBS.	1023	960	1054	1080	1147	1110	1116	1085	1050	1089	1089	1147	12937

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

1101 STATION EL TORO, CALIFORNIA STATION NAME 45-57 YEARS

WHOLE DEGREES FAHRENHEIT
/RATED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
47			40 30						51 29				MIN TEMP DAYS
48	31 30												MIN TEMP DAYS
49								49 29		38 30			MIN TEMP DAYS
50		34 27						47 30					MIN TEMP DAYS
52									50 29				MIN TEMP DAYS
53							43 30						MIN TEMP DAYS
55	35 30										40 29		MIN TEMP DAYS
57				41 29									MIN TEMP DAYS
76			35 30										MIN TEMP DAYS
79										51 29			MIN TEMP DAYS
87	34 25	44 9	43 16	47 20	55 6	53 24	61 12	59 13	53 23	52 6	43 21	38 4	MIN TEMP DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

PSYCHROMETRIC SUMMARY

STATION

EL PASO, CALIFORNIA

73-79, 81-82

YEARS

JAN

MORNING

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	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	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point															
...																0.1	0.1										3	3							
...																0.1	0.1											6	6						
...																0.1	0.1											3	3						
...														0.2	0.1													9	9						
...													0.2	0.2	0.2													17	17						
...												0.1	0.1	0.1	0.2	0.2												14	14						
...												0.1	0.2	0.2	0.2	0.2												20	20						
...												0.2	0.2	0.2	0.2	0.2												40	40						
...												0.5	0.5	0.5	0.5	0.1	0.1											93	53						
...												0.5	0.5	0.5	0.5	0.1	0.1											72	72						
...												0.6	0.6	0.6	0.6	0.3												93	93						
...												0.8	0.8	0.8	0.8	0.4												114	114	5		1			
...												0.9	0.9	0.9	0.9	0.2												152	152	39		1			
...												0.9	0.9	0.9	0.9	0.2												176	176	60		12			
...												0.9	0.9	0.9	0.9	0.2												231	231	150		53			
...												1.0	0.8	0.8	0.8	0.2												255	255	239		64			
...												0.8	0.8	0.8	0.8	0.2												246	246	270		126			
...												0.8	0.8	0.8	0.8	0.2												192	192	274		157			
...												0.8	0.8	0.8	0.8	0.2												170	170	262		214			
...												0.8	0.8	0.8	0.8	0.2												127	127	259		203			
...												0.8	0.8	0.8	0.8	0.2												85	85	193		213			
...												0.8	0.8	0.8	0.8	0.2												58	58	159		166			
...												0.8	0.8	0.8	0.8	0.2												33	33	126		165			
...												0.8	0.8	0.8	0.8	0.2												23	23	73		136			
...												0.8	0.8	0.8	0.8	0.2												14	14	47		127			
...												0.8	0.8	0.8	0.8	0.2												3	3	18		95			
...												0.8	0.8	0.8	0.8	0.2																97			
...												0.8	0.8	0.8	0.8	0.2																76			
...												0.8	0.8	0.8	0.8	0.2																63			
...												0.8	0.8	0.8	0.8	0.2																57			
...												0.8	0.8	0.8	0.8	0.2																53			
...												0.8	0.8	0.8	0.8	0.2																32			
Element (X)	ΣX ²			ΣX			Σ			σ _x			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.															≤50 F	≥52 F	≥67 F	≥73 F	≥80 F	≥93 F	Total														
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

NAVWEASERYCOM

MAR 2005 141371

PSYCHROMETRIC SUMMARY

STATION
EL TORO, CALIFORNIA
DATE
22-29, 31-32
MONTH
FEB

NORTH
PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL		
	0	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		29-30	±31	Dry Bulb	Wet Bulb	Dew Point
70												.1	.1	.0	.0		2	2	
71												.1	.2	.1	.0		5	5	
72												.2	.3	.1	.0		11	11	
73												.3	.4	.2	.1		5	5	
74												.4	.5	.3	.2		14	14	
75												.5	.6	.4	.3		23	23	
76												.6	.7	.5	.4		33	33	
77												.7	.8	.6	.5		47	47	1
78												.8	.9	.7	.6		67	67	1
79												.9	1.0	.8	.7		71	71	1
80												1.0	1.1	.9	.8		90	90	3
81												1.1	1.2	1.0	.9		116	116	5
82												1.2	1.3	1.1	1.0		156	156	5
83												1.3	1.4	1.2	1.1		187	187	16
84												1.4	1.5	1.3	1.2		223	223	8
85												1.5	1.6	1.4	1.3		189	189	37
86												1.6	1.7	1.5	1.4		218	218	136
87												1.7	1.8	1.6	1.5		172	172	264
88												1.8	1.9	1.7	1.6		135	135	207
89												1.9	2.0	1.8	1.7		111	111	242
90												2.0	2.1	1.9	1.8		52	52	245
91												2.1	2.2	2.0	1.9		22	22	175
92												2.2	2.3	2.1	2.0		15	15	132
93												2.3	2.4	2.2	2.1		16	16	89
94												2.4	2.5	2.3	2.2		2	2	78
95												2.5	2.6	2.4	2.3		2	2	55
96												2.6	2.7	2.5	2.4				49
97												2.7	2.8	2.6	2.5				53
98												2.8	2.9	2.7	2.6				38
99												2.9	3.0	2.8	2.7				38
100												3.0	3.1	2.9	2.8				18
101												3.1	3.2	3.0	2.9				25
102												3.2	3.3	3.1	3.0				25
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total								
Rel. Hum.						±0 F	±32 F	±47 F	±73 F	±80 F	±93 F								
Dry Bulb																			
Wet Bulb																			
Dew Point																			

NAWWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

DATE

FEW

NORTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	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	29-30		≥31	Dry Bulb	Wet Bulb	Dew Point
17																					17
18																					18
19																					19
20																					20
21																					21
22																					22
23																					23
24																					24
25																					25
26																					26
27																					27
28																					28
29																					29
30																					30
31																					31
TOTAL	4.0	10.0	14.0	10.0	8.0	5.0	4.0	1.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	2024	2024	2024	2024	
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature										Total					
Rel. Hum.	44551.0	13785.0	64.7	23.70	2024	≥0 F	≥32 F	≥67 F	≥73 F	≥80 F	≥93 F				672.0						
Dry Bulb	44551.0	13785.0	64.7	23.70	2024						1.3	0.3				672.0					
Wet Bulb	44551.0	13785.0	64.7	23.70	2024						1.3	0.3				672.0					
Dew Point	37851.0	6484.0	41.9	9.65	2024						1.3	0.3				672.0					

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PSYCHROMETRIC SUMMARY

STATION: ALBANY, CALIFORNIA YEARS: 1951 MONTH: MAR
STATION NAME YEARS MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	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	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																		
70																																		1	1			
71																																			2			
72																																			6	6		
73																																			6	6		
74																																			5	5		
75																																			13	13		
76																																			9	9		
77																																			24	24		
78																																			43	43	2	
79																																			81	81		1
80																																			57	57	1	1
81																																		99	99	3	1	
82																																		113	113	10	2	
83																																		160	160	26	4	
84																																		216	216	83	7	
85																																		248	248	166	31	
86																																		253	253	231	75	
87																																		281	281	313	140	
88																																		291	291	356	234	
89																																		195	195	356	295	
90																																		157	159	295	304	
91																																		117	117	267	286	
92																																		63	63	126	259	
93																																		25	25	127	193	
94																																		14	14	64	167	
95																																		7	7	33	132	
96																																		2	2	16	65	
97																																					3	37
98																																					51	51
99																																					10	10
100																																					11	11
101																																					30	30
102																																					15	15
Element (X)	Σ X²		Σ X		Σ	σ _x	No. Obs.	Mean No. of Hours with Temperature							Total																							
Rel. Hum.								≤ 60 F	61-70 F	71-80 F	81-90 F	91-100 F	≥ 100 F																									
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION: 1. T. MO. CALIF. STA. YEAR: 1954 MONTH: _____
 STATION NAME: _____ HOURS (L.S.T.): _____

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	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	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																
71																																				
72																																				
73																																				
74																																				
75																																				
76																																				
77																																				
78																																				
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93																																				
94																																				
95																																				
96																																				
97																																				
98																																				
99																																				
100																																				

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	
Rel. Hum.	1057989	16972	49.5	19.7	2479							
Dry Bulb	770148	124270	50.0	7.85	2479			68.1	19.8	4.2		744.0
Wet Bulb	421273	107673	43.2	6.8	2479			56.7	9.8			744.0
Dew Point	501318	107673	43.2	6.8	2479							744.0

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PSYCHROMETRIC SUMMARY

STATION: EL TIPO, CALIFORNIA YEAR: 73-74 MONTH: Apr

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	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	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point						
67-71																						1	1			
72-77																							2	2		
78-81																							4	4		
82-83																							7	7		
84-85																							13	13		
86-87																							17	17		
88-89																							35	35		
90-91																							38	38		
92-93																							50	50		
94-95																							73	73		
96-97																							75	75	1	
98-99																							100	100	2	
100-101																							119	119	18	2
102-103																							141	141	30	1
104-105																							171	171	67	1
106-107																							240	240	145	7
108-109																							270	270	206	32
110-111																							253	253	189	73
112-113																							253	253	153	142
114-115																							188	188	191	252
116-117																							153	153	113	324
118-119																							94	94	252	371
120-121																							61	61	152	348
122-123																							17	17	91	267
124-125																							8	8	40	192
126-127																							6	6	17	130
128-129																									7	67
130-131																										56
132-133																										43
134-135																										28
136-137																										15
138-139																										11
140-141																										11
142-143																										5

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION EL PASO, CALIFORNIA
STATION NAME

1950
YEAR

JUN
MONTH
PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL D.B./W.B.	TOTAL						
	0	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	29-30	=31	Dry Bulb	Wet Bulb	Dew Point
67																		2	2		
68																		6	6		
69																		4	4		
70																		7	7		
71																		9	9		
72																		12	12		
73																		14	14		
74																		15	15		
75																		29	29		
76																		47	47	1	
77																		62	62	1	1
78																		76	76		1
79																		82	82	2	
80																		111	111	2	
81																		123	120	5	2
82																		145	144	17	7
83																		149	149	24	1
84																		173	155	111	6
85																		187	187	173	10
86																		247	247	230	10
87																		293	293	313	153
88																		267	267	346	72
89																		212	212	415	348
90																		29	29	473	431
91																		35	35	103	426
92																		1	1	72	37
93																		2	2	20	237
94																				1	34
95																				1	51
96																					16
97																					13
98																					5
99																					6
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total									
Re Hum.						≤ 0 F	≥ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

NAVWEASERYCOM

PSYCHROMETRIC SUMMARY

STATION: EL TIHO, CALIFORNIA YEARS: 73-72 MONTH: JUL
 STATION NAME: EL TIHO, CALIFORNIA YEARS: 73-72 MONTH: JUL
 PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL D.B./W.B.	TOTAL					
	0	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	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
57-59																	1	1		
57-57																	3	3		
57-57																	7	7		
57-57																	5	5		
57-57																	10	10		
57-57																	19	19		
57-57																	13	13		
57-57																	61	61		
57-57																	61	61		
57-57																	121	121		
57-57																	135	135	1	
57-57																	166	166	2	7
57-57																	176	176	5	1
57-57																	132	132	14	
57-57																	136	136	59	7
57-57																	174	174	169	7
57-57																	241	241	262	14
57-57																	301	301	351	66
57-57																	283	283	427	167
57-57																	218	218	412	168
57-57																	119	119	358	457
57-57																	46	46	229	521
57-57																	12	12	134	394
57-57																	3	3	47	246
57-57																			13	183
57-57																			2	84
57-57																				11
57-57																				6
57-57																				5
TOTAL	1.01	6.71	18.00	21.00	11.04	10.04	12.00	7.04	6.04	2.00	1.03	.04	.03	.01	.01	.01	2450	2460	2600	2480

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	114.590	109396	76.3	15.66	248	≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≥93 F	Total
Dry Bulb	1745177	174897	7.05	4.5	248			449.0	230.1	119.7	1.3	700.0
Wet Bulb	78610	15412	62.7	4.0	248			104.5	5.7			700.0
Dew Point	832616	143524	57.8	4.09	248			5.8	.9			700.0

NAVWEASER/COM

PSYCHROMETRIC SUMMARY

STATION: EL MONTE, CALIFORNIA YEAR: 73-82 MONTH: SEP
STATION NAME YEARS MONTH
 PAGE: 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	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	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
60-61																					.0	1	1	
62-63																					.1	3	3	
64-65																					.0	7	7	
66-67																					.1	11	11	
68-69																					.0	8	8	
70-71																					.2	22	22	
72-73																					.1	25	25	
74-75																					.0	21	21	
76-77																					.0	37	37	
78-79																					.0	50	50	
80-81																					.0	59	59	
82-83																					.0	59	59	2
84-85																					.0	69	69	2
86-87																					.0	118	118	2
88-89																					.0	112	112	1
90-91																					.0	171	171	20
92-93																					.0	176	176	49
94-95																					.0	172	173	111
96-97																					.0	260	269	201
98-99																					.0	310	310	260
100-101																					.0	248	248	386
102-103																					.0	186	186	467
104-105																					.0	126	125	347
106-107																					.0	77	77	271
108-109																					.0	33	33	156
110-111																					.0	17	17	67
112-113																					.0	4	4	2
114-115																					.0		6	11
116-117																					.0		2	29
118-119																					.0		1	29
120-121																					.0			10
122-123																					.0			13
124-125																					.0			17
126-127																					.0			11
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

NAVWEASERYCOM

PSYCHROMETRIC SUMMARY

STATION: LA BREA, CALIF. STA YEARS: 1957 MONTH: JUN
 STATION NAME: LA BREA, CALIF. STA YEARS: 1957 MONTH: JUN
 HOURS (L.S.T.): 2400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	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		29-30	≥31	Dry Bulb	Wet Bulb
75																				
74																				
73																				
72																				
71																				
70																				
69																				
68																				
67																				
66																				
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41																				
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14																				
13																				
12																				
11																				
10																				
9																				
8																				
7																				
6																				
5																				
4																				
3																				
2																				
1																				
0																				
TOTAL																		2378	2198	2390

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 67 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	11852410	157691	46.6	18.997	2397						
Dry Bulb	11221974	167802	69.9	8.924	2400			418.5	233.1	99.0	15.6
Wet Bulb	2267722	188658	52.0	8.65	2398			119.5	17.6	.6	
Dew Point	779983	135928	36.7	6.26	2398			11.0	15.0	2.1	.3

NAVWEASERYCOM

PSYCHROMETRIC SUMMARY

STATION

EL PASO, CALIFORNIA

STATION NAME

73-12

YEARS

OCT

NORTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL					
	0	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	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point								
67-65																						4	4					
67-63																							3	3				
67-61																							6	6				
67-64																							10	10				
67-67																							20	20				
67-68																							26	26				
67-69																							36	36				
67-70																							39	39				
67-71																							62	62				
67-72																							79	79	1	1		
67-73																							87	87				
67-74																							108	108	1			
67-75																							159	159	9			
67-76																							159	159	37	1		
67-77																							176	166	63	8		
67-78																							245	245	124	22		
67-79																							255	255	270	69		
67-80																							270	270	303	137		
67-81																							245	245	363	208		
67-82																							207	207	338	247		
67-83																							135	135	316	318		
67-84																							69	69	238	297		
67-85																							51	51	170	275		
67-86																							14	14	113	187		
67-87																							8	8	56	139		
67-88																							1	1	52	97		
67-89																									17	67		
67-90																									6	57		
67-91																									2	51		
67-92																										32		
67-93																											58	
67-94																											23	
67-95																											27	
67-96																											32	
Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total																
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																	
Dry Bulb																												
Wet Bulb																												
Dew Point																												

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION NAME: EL PASO, CALIFORNIA

1967

DIR

STATION

STATION NAME

YEARS

NORTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	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		29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
77																	4	4		
76																	5	5		
75																	11	11		
74																	14	14		
73																	15	15		
72																	28	28		
71																	37	37		
70																	46	46		
69																	67	67		
68																	81	81		
67																	111	111		
66																	142	142	4	
65																	161	161	11	1
64																	186	186	47	5
63																	202	202	172	5
62																	252	252	222	47
61																	273	273	274	39
60																	286	286	281	134
59																	279	279	294	181
58																	183	183	213	209
57																	109	109	242	211
56																	65	65	214	217
55																	28	28	124	157
54																	14	14	175	182
53																	6	6	73	149
52																	1	1	32	127
51																			11	107
50																			14	107
49																			3	106
48																				23
47																				59
46																				41
45																				48
Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.						≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

NAVWEASERVCOM

4

PSYCHROMETRIC SUMMARY

STATION: _____ STATION NAME: _____ YEARS: _____ MONTH: _____

PAGE: _____
HOURS (LAST): _____

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	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	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72																					46
73																					34
74																					25
75																					23
76																					17
77																					11
78																					11
79																					10
80																					9
81																					6
82																					4
83																					4
84																					4
85																					4
86																					4
87																					4
88																					4
89																					4
90																					4
91																					4
92																					4
93																					4
94																					4
95																					4
96																					4
97																					4
98																					4
99																					4
100																					4
TOTAL																		2477	2477	2477	2477
TOTAL																		2477	2477	2477	2477

NAVWEASERVCOM

Element (X)	ΣX	ΣX^2	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	25896	141455	77.1	23.19	2477	±0 F	±32 F	±67 F	±73 F	±80 F	±93 F	744.0
Dry Bulb	2104347	141164	76.8	7.75	2477			92.8	34.5	7.5		744.0
Wet Bulb	517574	114732	48.3	5.97	2477			4.2				744.0
Dew Point	4540474	91022	39.0	17.80	2477			188.0				744.0

PSYCHROMETRIC SUMMARY

STATION: STATE: CALIFORNIA YEARS: 1936 MONTH: ALL

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	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	29-30	≥31	Dry Bulb	Wet Bulb
50-51																				
51-52																				
52-53																				
53-54																				
54-55																				
55-56																				
56-57																				
57-58																				
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60-61																				
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91-92																				
92-93																				
93-94																				
94-95																				
95-96																				
96-97																				
97-98																				
98-99																				
99-100																				
ΣX ²																				
ΣX																				
X̄																				
σ _x																				
No. Obs.																				
														Mean No. of Hours with Temperature						
Rel. Hum.																				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

NOV 20 1937 5417

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73101 EL TORO, CALIFORNIA

73-82

STATION		STATION NAME												TIME
73101		EL TORO, CALIFORNIA												73-82
STATION		STATION NAME												TIME
MRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN S. D. TOTAL OBS	50.1 5.986 278	50.8 5.489 253	50.9 4.824 310	52.7 4.536 300	56.4 3.833 310	60.8 4.616 299	63.7 3.237 310	64.3 3.889 310	64.2 4.712 300	60.1 4.640 308	54.8 5.903 299	51.3 5.524 310	56.4 7.194 3597
04	MEAN S. D. TOTAL OBS	49.3 6.370 279	49.7 5.498 253	49.8 5.021 309	51.6 4.676 300	55.7 3.909 310	59.5 4.271 299	62.7 3.241 310	63.6 3.772 310	63.4 4.685 300	59.2 4.950 308	53.6 5.952 299	50.7 5.453 310	55.9 7.286 3587
07	MEAN S. D. TOTAL OBS	48.9 6.206 279	49.7 5.350 253	50.8 4.751 310	53.0 4.107 300	58.8 4.235 310	62.9 5.599 300	65.4 3.982 310	65.5 4.131 310	65.1 5.338 300	60.1 4.889 308	53.7 5.930 299	50.1 5.411 310	57.3 8.025 3589
10	MEAN S. D. TOTAL OBS	58.2 6.110 279	59.9 6.317 253	60.3 5.811 310	64.1 6.187 300	66.5 6.560 310	72.7 8.222 300	76.6 5.306 310	75.8 5.303 310	74.7 7.988 300	70.4 6.582 308	65.1 7.434 300	60.6 6.499 310	67.2 9.174 3590
13	MEAN S. D. TOTAL OBS	63.5 7.898 279	65.4 7.316 253	64.1 7.107 310	68.3 7.233 300	70.4 7.320 310	77.2 8.157 300	81.0 5.002 310	80.9 4.852 310	80.1 8.017 300	76.1 7.148 308	70.8 8.119 300	66.3 7.205 310	72.2 9.678 3590
16	MEAN S. D. TOTAL OBS	61.7 7.499 279	63.7 6.825 253	62.6 6.336 310	66.2 6.558 299	68.5 6.470 310	75.2 7.554 300	78.9 4.864 310	78.5 4.531 310	77.3 7.663 300	72.7 6.607 308	67.3 7.446 300	63.9 6.371 309	69.9 9.072 3588
19	MEAN S. D. TOTAL OBS	54.1 5.898 279	55.9 4.983 253	56.3 4.779 310	58.9 4.941 300	61.4 4.989 310	67.5 6.883 300	70.4 4.195 310	69.7 4.117 310	69.0 6.209 300	64.6 4.784 308	59.2 5.975 309	56.0 5.402 309	62.1 7.840 3589
22	MEAN S. D. TOTAL OBS	51.6 6.027 279	52.7 5.214 253	52.7 4.605 310	54.6 4.597 300	58.0 4.270 310	62.6 5.150 299	65.5 3.501 310	65.9 3.817 310	65.8 5.384 300	61.6 4.874 308	56.3 5.966 300	53.2 5.354 309	58.5 7.267 3588
ALL HOURS	MEAN S. D. TOTAL OBS	54.7 8.465 2231	56.0 8.393 2028	55.9 7.655 2479	58.9 8.149 2399	62.0 7.569 2480	67.3 9.180 2397	70.3 8.057 2480	70.5 7.777 2480	69.9 8.824 2400	65.6 8.331 2464	60.1 9.169 2397	56.6 8.359 2477	62.5 10.197 28708

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION EL TORO, CALIFORNIA

73-82

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN S. D. TOTAL OBS	44.7 5.245 278	45.9 4.961 253	47.0 4.945 311	48.4 3.951 300	52.6 3.617 310	56.3 3.295 299	59.4 3.127 310	60.2 3.378 310	59.3 3.707 299	54.6 5.151 300	48.2 4.954 299	45.2 4.744 310	52.0 7.130 3586
04	MEAN S. D. TOTAL OBS	44.1 5.591 279	45.1 5.158 253	46.1 5.018 309	47.7 4.277 300	52.1 3.807 310	55.6 3.205 299	58.8 3.116 310	59.8 3.421 310	58.6 3.704 299	53.9 5.247 308	47.2 5.081 299	44.4 5.037 310	51.3 7.285 3586
07	MEAN S. D. TOTAL OBS	43.7 5.640 279	44.9 4.925 253	47.3 4.637 310	50.7 3.334 300	54.5 2.997 310	58.1 3.062 300	60.9 3.077 310	61.5 3.171 310	60.1 3.519 300	54.7 4.587 308	47.3 4.927 299	43.8 5.025 310	52.5 7.732 3589
10	MEAN S. D. TOTAL OBS	50.4 4.317 279	52.7 3.693 253	52.8 4.194 310	54.8 3.673 300	58.1 3.735 310	62.3 3.901 300	65.7 3.114 310	66.0 3.197 310	64.4 3.807 300	60.2 3.840 308	54.7 4.262 300	51.1 4.328 310	57.8 6.722 3590
13	MEAN S. D. TOTAL OBS	52.6 4.611 279	54.5 3.954 253	54.4 4.584 310	56.6 4.118 300	59.7 4.125 310	64.3 4.063 300	67.4 2.948 310	68.0 3.274 310	66.5 4.007 300	62.5 4.418 308	57.0 4.672 300	53.7 4.323 310	59.9 6.860 3590
16	MEAN S. D. TOTAL OBS	50.1 4.644 279	53.6 3.761 253	53.5 4.313 310	55.5 3.961 299	58.6 3.822 310	63.0 3.754 300	66.1 2.797 310	66.6 2.675 310	65.2 3.679 300	61.1 4.248 308	55.8 4.653 300	53.0 4.550 309	58.4 6.577 3588
19	MEAN S. D. TOTAL OBS	48.3 4.734 279	49.9 3.824 253	50.7 4.222 310	52.2 3.554 300	55.1 3.294 310	59.6 3.851 300	62.4 2.868 310	63.0 2.851 310	61.7 3.574 300	57.8 4.194 308	51.9 4.515 308	48.8 4.621 309	55.3 6.546 3589
22	MEAN S. D. TOTAL OBS	46.2 4.920 279	47.6 4.414 253	48.8 4.548 310	50.0 3.922 300	53.5 3.467 310	57.4 3.219 299	60.5 2.854 310	61.2 3.091 310	60.2 3.714 300	55.6 4.703 308	49.5 4.778 300	46.6 4.872 309	53.2 6.833 3585
ALL HOURS	MEAN S. D. TOTAL OBS	47.8 6.017 2231	49.2 5.668 2024	50.0 5.460 2479	52.0 4.964 2399	55.5 4.324 2440	59.6 4.681 2397	62.7 4.310 2480	63.3 4.314 2480	62.0 4.651 2398	57.5 4.534 2464	51.5 4.994 2397	48.3 5.975 2477	55.1 7.657 29706

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

93101

EL TORO, CALIFORNIA

73-72

STATION		STATION NAME												YEAR
HRS.(LST.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN S. D. TOTAL OBS	38.2 9.654 278	39.9 9.951 253	42.8 8.041 310	44.1 6.201 300	49.2 5.239 310	52.9 4.963 299	56.4 4.116 310	57.5 3.911 310	55.6 6.345 299	49.3 10.011 308	40.6 10.921 299	36.8 10.727 310	47.1 10.645 3586
04	MEAN S. D. TOTAL OBS	37.4 10.253 279	39.2 10.157 253	41.9 8.309 309	43.8 6.436 300	48.9 5.289 310	52.4 4.812 299	56.0 4.147 310	57.2 4.173 310	54.9 6.834 299	48.6 10.031 308	39.6 11.055 299	36.0 10.778 310	46.5 10.875 3576
07	MEAN S. D. TOTAL OBS	36.9 10.619 279	38.9 10.189 253	43.4 7.922 310	46.7 5.375 300	51.0 4.631 310	54.5 4.256 300	58.0 3.702 310	58.9 3.680 310	56.4 6.360 300	49.5 9.485 308	39.6 11.061 299	35.4 10.525 310	47.6 11.247 3589
10	MEAN S. D. TOTAL OBS	42.2 9.508 279	44.0 9.189 253	45.7 7.940 310	46.9 6.096 300	51.6 4.996 310	55.5 4.267 300	59.3 3.717 310	60.3 3.865 310	57.9 5.962 300	52.3 9.213 308	45.0 10.219 300	41.1 10.337 310	50.3 9.968 3590
13	MEAN S. D. TOTAL OBS	41.8 9.593 279	44.2 9.164 253	45.5 8.657 310	47.0 6.026 300	52.0 5.235 310	55.8 5.605 300	59.7 4.065 310	60.8 4.502 310	58.4 6.057 300	52.5 9.622 308	44.8 10.399 300	41.4 10.310 310	50.5 10.352 3590
16	MEAN S. D. TOTAL OBS	42.4 9.379 279	43.9 9.021 253	45.1 8.195 310	46.3 6.883 299	51.2 5.431 310	55.0 4.865 300	58.6 4.194 310	59.7 3.865 310	57.6 5.943 300	52.5 8.813 308	45.4 9.925 300	42.0 10.403 309	50.1 9.810 3588
19	MEAN S. D. TOTAL OBS	41.8 9.075 279	43.6 8.282 253	43.3 6.938 310	45.9 6.542 300	50.0 4.963 310	54.0 4.688 300	57.2 3.714 310	58.7 3.690 310	56.8 5.404 300	52.0 8.465 308	44.5 9.829 300	40.9 10.258 309	49.4 9.397 3589
22	MEAN S. D. TOTAL OBS	39.6 9.480 279	41.6 9.275 253	44.2 7.681 310	45.4 6.384 300	49.6 5.117 310	53.6 4.674 299	57.2 3.634 310	58.2 3.647 310	56.0 6.359 300	50.1 9.629 308	42.0 10.517 300	38.3 10.901 309	48.2 10.230 3588
ALL HOURS	MEAN S. D. TOTAL OBS	40.0 9.922 2231	41.9 9.652 2024	44.2 8.070 2479	45.8 6.451 2399	50.4 5.233 2430	54.2 4.911 2397	57.8 4.099 2480	58.9 4.107 2480	56.7 6.264 2398	50.9 9.529 2464	42.7 10.746 2397	39.0 10.809 2477	48.7 10.432 28706

NAVWEASERYCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

2101
STATION

EL TORO, CALIFORNIA
STATION NAME

73-79,81-82
PERIOD

JAN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01	100.0	98.2	92.4	84.2	74.4	70.1	52.2	32.0	13.3	67.9	278
	02	100.0	97.5	89.6	83.2	77.4	70.3	54.4	32.3	14.0	68.1	279
	03	100.0	96.8	90.3	82.8	75.6	67.4	55.6	34.4	15.8	67.9	279
	04	100.0	97.1	87.1	78.1	67.4	53.8	34.4	14.3	6.6	59.7	279
	05	100.0	90.7	76.0	65.2	48.4	32.3	17.9	9.0	3.9	50.1	279
	06	100.0	91.8	81.7	73.8	57.7	34.0	21.1	10.0	5.4	53.9	279
	07	100.0	97.1	92.5	87.1	81.9	69.2	47.7	26.2	7.7	67.1	279
	08	100.0	96.8	92.1	85.3	78.5	68.1	54.5	32.3	15.1	68.1	279
TOTALS		100.0	95.8	87.7	80.0	70.5	58.7	42.3	24.3	10.7	62.9	2231

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

72101
STATION

EL TORO, CALIFORNIA
STATION NAME

73-79, 81-82
PERIOD

FEB
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	01	100.0	96.0	92.5	86.6	81.7	71.9	60.7	39.1	21.7	70.9	253
	04	99.6	97.2	92.5	87.4	82.6	73.9	64.0	39.9	22.5	72.0	253
	07	99.2	97.6	92.1	86.6	80.2	71.9	62.5	39.9	21.7	71.2	253
	10	99.2	93.7	89.5	79.1	67.6	51.8	41.1	22.9	9.1	61.0	253
	13	99.6	90.9	79.8	66.8	53.0	37.9	20.2	7.9	2.8	51.2	253
	16	100.0	92.5	79.8	68.4	57.7	42.3	22.9	8.3	5.1	53.4	253
	19	100.0	97.2	93.7	87.7	78.7	68.4	52.6	25.7	7.5	67.2	253
	22	100.0	97.2	92.1	88.9	78.7	71.9	58.5	39.5	17.4	70.3	253
TOTALS		99.7	95.3	88.9	81.4	72.4	61.2	47.8	27.9	13.5	64.7	2024

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION 1101 EL TORO, CALIFORNIA PERIOD 73-92 MONTH MAR
STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	98.7	98.4	94.8	90.6	84.2	69.7	44.8	17.4	76.0	310
	04	100.0	99.0	97.1	94.8	92.2	85.8	72.8	47.9	21.7	77.0	309
	07	100.0	99.4	97.1	94.2	91.9	87.1	73.2	51.6	26.1	78.2	310
	10	100.0	97.4	92.9	87.4	73.9	56.8	35.5	14.8	4.2	61.8	310
	13	99.7	93.9	87.4	78.4	62.3	37.7	19.0	9.4	3.2	54.9	310
	16	100.0	95.8	88.7	81.3	66.8	42.6	18.4	6.1	2.6	56.1	310
	19	100.0	99.4	98.1	93.2	87.4	74.2	52.6	21.0	4.2	68.8	310
	22	100.0	99.0	98.7	95.5	89.7	83.2	70.3	43.2	13.5	75.0	310
TOTALS		100.0	97.8	94.8	90.0	81.9	69.0	51.4	29.9	11.6	68.8	2479

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

101
STATION

EL MONTE, CALIFORNIA
STATION NAME

73-92
PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	95.0	87.7	80.0	70.4	58.7	42.3	24.3	10.7	62.9	2231
FEB		99.7	95.3	88.9	81.4	72.4	61.2	47.4	27.9	13.5	64.7	2024
MAR		100.0	7.8	24.4	20.0	41.9	69.0	51.4	29.9	11.6	68.5	2479
APR		99.9	87.4	95.2	90.7	80.0	62.9	43.0	19.2	4.2	65.0	2399
MAY		100.0	99.3	97.9	95.0	86.9	69.9	47.7	23.9	6.7	68.4	2480
JUN		99.6	98.5	96.3	92.7	81.7	63.8	44.7	22.9	5.9	66.3	2396
JUL		100.0	99.9	99.1	95.1	81.7	62.9	42.7	21.6	4.5	66.3	2480
AUG		100.0	100.0	99.3	96.4	86.4	67.9	44.2	27.3	5.6	68.6	2480
SEP		99.9	97.9	94.6	89.6	81.5	66.5	46.2	26.6	6.9	66.6	2398
OCT		99.9	94.7	89.3	84.3	76.0	62.3	43.0	24.4	7.9	63.9	2464
NOV		100.0	92.5	82.3	73.3	63.7	50.2	36.3	22.0	8.4	58.7	2393
DEC		100.0	93.3	83.6	73.0	60.7	46.8	31.9	17.1	7.4	57.1	2477
TOTALS		99.7	95.9	92.4	86.8	76.9	61.8	43.8	24.0	7.8	64.8	28701

OCEANAV-SMOS

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

07101

LA TOPO, CALIFORNIA

JANUARY 1973-DECEMBER 1982

JANUARY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		100.0								7	.1
82 TO 86	11.1	11.1		11.1			55.6	11.1		9	.4
77 TO 81	6.7	17.2	13.8		10.3	6.5	27.6	13.8	3.8	29	1.3
72 TO 76	7.3	11.6	2.3		16.3	4.7	37.2	14.0	7.0	43	1.9
67 TO 71	1.7	9.5	3.4	3.4	9.5	3.4	36.2	20.7	12.1	116	5.2
62 TO 66	6.3	3.0	7.7	1.8	10.4	7.2	36.0	11.7	14.0	222	10.0
57 TO 61	4.4	8.8	9.1	8.8	15.1	7.0	19.5	5.2	22.1	384	17.3
52 TO 56	3.6	7.8	26.8	15.6	10.9	2.6	4.1	3.8	20.7	604	27.1
47 TO 51	4.4	13.4	37.9	16.1	5.4	1.9	4.8	1.5	14.6	478	21.4
42 TO 46	3.2	16.7	45.0	16.3	2.8		1.2	1.6	12.7	251	11.3
37 TO 41	1.3	16.0	44.0	14.7	2.7			1.3	21.0	75	3.4
32 TO 36	5.9	11.8	47.1	17.6	11.8				5.9	17	.8
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.1	10.6	25.0	12.1	9.2	3.5	13.3	5.2	16.9	2231	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

L. T. HO, CALIFORNIA

JANUARY 1973-DECEMBER 1982

FEBRUARY

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86		10.0					30.0	40.0		10	.5
77 TO 81	6.3	6.3	3.1				46.9	15.6	21.9	33	1.6
72 TO 76	13.0	16.7	1.7		10.0	5.0	31.7	16.7	8.3	60	3.0
67 TO 71	4.4	8.1	7.4	1.5	11.1	3.0	35.6	12.6	16.3	135	6.7
62 TO 66	1.4	5.0	7.3	3.7	14.2	11.0	21.2	13.4	12.4	214	10.4
57 TO 61	3.7	7.9	10.6	11.6	14.4	10.7	19.6	6.9	14.4	424	20.9
52 TO 56	4.6	10.3	11.2	15.6	10.5	4.2	4.0	5.0	20.4	524	25.9
47 TO 51	2.9	8.5	16.0	15.3	5.8	1.2	1.5	1.5	17.7	413	20.4
42 TO 46	3.3	14.2	15.9	15.3	3.3		1.1		16.8	183	9.0
37 TO 41	2.4	12.2	13.9	22.3	7.3				12.2	41	2.0
32 TO 36			15.0						25.0	4	.2
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.7	9.2	23.6	11.8	9.8	5.0	14.0	6.2	16.6	2024	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION: 2111 EL TORO, CALIFORNIA YEARS: JANUARY 1973-DECEMBER 1982 MONTH: MARCH ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		3.3					66.7			3	.1
82 TO 86		22.2	11.1			11.1	55.6			9	.4
77 TO 81	4.4			9.5	4.8		47.6	23.8	9.5	21	.8
72 TO 76	3.8	1.9	1.9	1.9	7.7	5.8	53.8	15.4	7.7	52	2.1
67 TO 71	5.6	4.9	.7	2.1	10.6	7.7	48.6	12.7	7.7	142	5.7
62 TO 66	4.4	2.4	4.0	2.0	16.5	15.3	31.3	11.4	10.4	297	12.0
57 TO 61	1.3	2.2	9.0	8.6	21.5	14.0	22.8	4.9	15.9	536	21.6
52 TO 56	1.3	3.7	22.5	15.9	15.1	6.5	10.3	3.1	21.7	717	28.6
47 TO 51	2.5	9.0	40.7	16.7	5.0	1.9	4.0	1.7	17.7	479	19.3
42 TO 46	3.5	10.6	42.9	18.7	3.5	1.0	1.5	.5	17.7	198	8.0
37 TO 41		10.0	63.3	13.3	3.3				10.0	30	1.2
32 TO 36				50.0					50.0	2	.1
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.4	5.7	21.1	11.5	13.4	7.6	17.1	4.7	16.5	2479	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION: LA TOLC, CALIFORNIA STATION NAME: LA TOLC, CALIFORNIA YEARS: JANUARY 1971-DECEMBER 1982 MONTH: APRIL HOUR: ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96							100.0			1	.0
87 TO 91							100.0			2	.1
82 TO 86		11.1	5.6				50.0	16.7	5.6	18	.9
77 TO 81	5.2	6.9		1.7		10.3	60.3	13.8	1.7	58	2.8
72 TO 76	6.3	3.1		3.1	9.4	5.5	47.2	15.7	8.7	127	5.3
67 TO 71	4.4	2.9	1.9	2.4	11.0	12.0	44.0	12.9	8.1	209	8.7
62 TO 66	3.3		3.3	5.6	18.9	15.0	30.1	9.3	15.4	359	15.0
57 TO 61	1.0	2.3	9.6	11.6	18.6	11.3	20.4	3.7	21.4	602	25.1
52 TO 56	1.1	4.2	27.1	16.2	10.3	5.6	9.0	1.3	24.7	617	25.5
47 TO 51	3.7	8.7	42.7	18.1	4.4	.9	4.0	.9	16.2	321	13.0
42 TO 46	2.3	7.0	50.0	22.1	4.7			1.2	12.8	86	3.6
37 TO 41			75.0				25.0			4	.2
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -7											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.5	3.9	17.7	11.5	12.4	6.2	20.8	5.4	17.5	2399	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION FL 1060, CALIFORNIA STATION NAME JANUARY 1973-DECEMBER 1982 YEARS MAY MONTH ALL HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122°											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101							100.0			2	.1
92 TO 96	10.0				10.0		50.0	30.0		10	.4
87 TO 91	18.2						45.5	27.3	9.1	11	.4
82 TO 86		3.3	6.7		6.7	6.7	40.0	36.7		30	1.2
77 TO 81		3.2	1.6	1.6	4.8	7.9	44.9	31.7	4.8	63	2.3
72 TO 76	2.5		1.3	.6	10.1	7.0	55.7	16.5	6.3	153	6.0
67 TO 71	2.1	.6	1.2	3.6	12.4	13.0	47.3	10.9	8.8	130	5.3
62 TO 66	.9	.7	5.0	7.0	26.3	14.7	28.7	4.6	12.1	856	34.0
57 TO 61	1.6	1.2	12.0	14.4	21.1	10.9	13.6	3.7	21.5	856	34.0
52 TO 56	1.4	3.3	31.0	15.5	15.1	5.0	6.7	2.1	17.5	478	19.3
47 TO 51	1.3	10.1	40.3	25.3	5.1	1.3	2.5	2.5	7.6	79	3.2
42 TO 46			65.7	14.3						7	.3
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-1 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	1.7	1.7	13.1	10.6	17.7	9.9	23.3	6.6	15.4	2460	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION: CL TCHO, CALIFORNIA STATION NAME: JANUARY 1971-DECEMBER 1982 YEARS: JULY MONTH: ALL HOURLS: UNLT.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SES & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106							33.3	66.7		3	.1
97 TO 101	5.9	11.6				5.9	47.1	29.4		17	.7
92 TO 96		8.5			4.5	9.1	54.5	27.3		22	.9
87 TO 91	2.1	4.2			4.3		39.6	43.8	4.2	42	2.0
82 TO 86	2.9	2.9	1.0	1.9	1.0	2.0	51.5	27.2	8.7	102	4.3
77 TO 81	2.0	1.0	1.5	2.0	5.9	1.9	46.8	33.5	3.4	223	8.5
72 TO 76	2.7		2.7	1.7	7.8	3.0	49.0	25.3	7.0	204	12.3
67 TO 71	2.5	.3	3.8	4.5	12.1	8.7	36.2	14.0	15.3	356	14.9
62 TO 66	2.3	1.6	7.6	7.1	18.5	6.6	22.7	8.5	25.0	577	24.0
57 TO 61	2.7	1.9	18.5	15.3	15.0	5.1	8.9	5.3	27.4	628	26.2
52 TO 56	3.5	3.5	35.7	14.8	5.6		4.2	1.4	28.2	142	5.9
47 TO 51			40.0	20.0					40.0	5	.2
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.5	1.9	10.0	7.0	12.2	5.2	27.3	14.1	19.3	2400	100.0

NAVYASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION 11 TO 0, CALIFORNIA STATION NAME JANUARY 1973-DECEMBER 1992 YEARS JULY MONTH ALL HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101							50.0	50.0			.2
92 TO 96	8.3				8.3		50.0	33.3		12	.5
87 TO 91					5.3	5.3	52.6	33.3	3.5	57	2.3
82 TO 86	1.6	.5		1.6	4.7	2.6	55.3	31.1	2.6	190	7.7
77 TO 81	2.4		.3	.8	9.0	5.1	52.4	26.1	4.0	376	15.2
72 TO 76	1.3	.3	1.1	2.9	11.3	6.3	46.1	20.8	10.0	380	15.3
67 TO 71	2.7	.4	4.8	5.8	18.2	5.2	23.0	14.2	25.7	479	19.3
62 TO 66	4.0	.8	15.7	10.4	12.6	5.8	11.0	9.0	30.7	721	29.1
57 TO 61	4.5	2.0	10.9	18.7	9.3	.8	4.1	3.7	26.0	246	9.9
52 TO 56			53.3	13.3			6.7		25.7	15	.6
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.9	.6	9.1	6.3	11.7	4.8	26.8	16.3	19.0	2467	100.0

NAVWEASERCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION EL TORO, CALIFORNIA YEAR JANUARY 1973-DECEMBER 1992 MONTH AUGUST DAY 31

TEMP.	WIND DIRECTION										TOTAL FREQ.	% OF TOTAL	
	NNW & N	NNW & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM				
122+													
117 TO 121													
112 TO 116													
107 TO 111													
102 TO 106													
97 TO 101								50.0	50.0		4	0.7	
92 TO 96								64.6	15.9		15	2.5	
87 TO 91					8.4	4.4		51.1	17.8	2.2	45	1.8	
82 TO 86	1.6			3.7	7.3	4.2	56.6	21.8	3.1		191	7.7	
77 TO 81	.8	.3	.6	1.4	2.3	3.2	54.4	23.2	5.8		362	14.6	
72 TO 76	3.5	.8	.5	4.1	13.9	6.4	43.7	14.7	12.1		373	15.0	
67 TO 71	1.2	.7	6.2	8.0	14.2	5.5	23.8	8.5	29.8		597	24.1	
62 TO 66	4.0	3.1	16.3	7.6	9.9	2.5	16.0	7.6	33.0		645	26.0	
57 TO 61	6.4	5.0	35.0	13.2	1.4	.9	3.6	7.7	26.8		220	8.9	
52 TO 56	3.3	6.7	46.7	10.0	6.7			7.3	23.3		37	1.2	
47 TO 51													
42 TO 46													
37 TO 41													
32 TO 36													
27 TO 31													
22 TO 26													
17 TO 21													
12 TO 16													
7 TO 11													
2 TO 6													
-3 TO 1													
-8 TO -4													
-13 TO -9													
-18 TO -14													
-23 TO -19													
-28 TO -24													
-33 TO -29													
-38 TO -34													
-43 TO -39													
-48 TO -44													
-53 TO -49													
-58 TO -54													
-59 & LWR													
TOTALS	3.2	1.7	9.6	6.3	10.2	4.2	30.7	12.6	21.4		2480	100.0	

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION FL 1040, CALIFORNIA STATION NAME JANUARY 1973-DECEMBER 1982 YEARS SEPTEMBER MONTH ALL MONTHS

TEMP.	WIND DIRECTION									TOTAL FREQ.	% OF TOTAL
	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM		
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106							100.0			1	.0
97 TO 101			4.8			4.8	47.6	42.9		21	.9
92 TO 96	4.5					13.4	52.3	29.5	2.3	44	1.8
87 TO 91	1.4	2.0	1.4	1.4	4.3	2.9	33.6	27.5	4.3	69	2.9
82 TO 86	3.5		4.2	.7	3.5	.7	50.6	26.6	4.2	143	6.0
77 TO 81	2.3	3.7	3.2	1.7	6.5	5.6	44.0	20.4	12.5	216	9.2
72 TO 76	2.9	2.7	4.3	3.2	7.8	6.7	42.6	13.7	16.1	373	15.5
67 TO 71	3.4	1.7	7.8	5.3	14.8	9.5	29.1	9.8	27.7	524	22.0
62 TO 66	4.8	3.2	15.1	10.3	11.5	2.9	12.7	7.4	12.3	663	27.6
57 TO 61	3.6	4.3	35.1	10.9	5.9	.3	10.1	4.2	23.6	259	12.0
52 TO 56	3.8	11.3	56.5	3.8	3.8			1.9	17.0	53	2.2
47 TO 51			100.0							1	.0
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.6	3.1	12.7	6.2	9.3	4.0	26.9	12.0	22.3	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

101 11 10 0, CALIFORNIA JANUARY 1973-DECEMBER 1982 OCTOBER ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96							29.9		11.1	9	.4
87 TO 91	2.9		2.9			2.9	56.8	29.4	2.9	34	1.4
82 TO 86	1.2	11.6	1.2		1.2	3.5	93.5	23.5	7.1	87	3.4
77 TO 81	3.8	9.4	3.8	1.2	1.2	1.9	48.4	24.8	5.1	157	6.4
72 TO 76	1.2	5.4	6.2	2.3	4.2	5.4	46.2	21.2	7.3	267	10.6
67 TO 71	3.8	7.6	6.2	2.9	10.2	7.2	32.9	4.8	19.6	419	17.0
62 TO 66	3.7	5.4	15.6	8.2	8.3	3.9	14.6	6.3	34.2	647	26.3
57 TO 61	3.5	5.2	33.7	8.9	3.6	1.0	7.3	1.7	33.0	575	23.3
52 TO 56	4.8	6.6	48.5	11.6	3.3	.8	2.9	.8	24.9	281	9.4
47 TO 51		8.3	47.2	13.9	5.6				25.0	34	1.5
42 TO 46		100.0								1	.0
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-4 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.2	6.3	19.5	6.4	6.3	3.4	22.1	8.9	24.1	2464	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION

EL PASO, CALIFORNIA

JANUARY 1973-DECEMBER 1992

NOVEMBER

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
22											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTAL	7.3	9.5	26.3	9.5	6.7	3.6	14.6	8.3	18.1	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

L. T. CO. CALIFORNIA

JANUARY 1973-DECEMBER 1992

DECEMBER

A. L.

WIND DIRECTION

TEMP.	ENE & N	E & NE	ESE & E	SE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
01 TO 05											
06 TO 10											
11 TO 15											
16 TO 20											
21 TO 25											
26 TO 30											
31 TO 35											
36 TO 40											
41 TO 45											
46 TO 50											
51 TO 55											
56 TO 60											
61 TO 65											
66 TO 70											
71 TO 75											
76 TO 80											
81 TO 85											
86 TO 90											
91 TO 95											
96 TO 100											
TOTALS	8.0	11.4	26.4	9.6	6.9	3.5	12.2	7.8	18.2	2477	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

FL 7000, CALIFORNIA

JANUARY 1973-DECEMBER 1982

ALL

ALL

WIND DIRECTION

TEMP.	NNE & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% TOTAL
1227											
112 TO 1											
112 TO 116											
107 TO 111											
102 TO 106							50.0	50.0		4	0.0
97 TO 101	2.1	4.2	2.1			4.2	52.0	3.5		68	0.2
92 TO 96	3.5	7.0			2.6	4.1	50.8	26.1	1.8	114	0.4
87 TO 91	2.3	3.1	1.4	.3	1.8	2.8	50.3	12.1	3.4	290	1.0
82 TO 86	2.6	3.5	1.7	1.7	4.2	1.2	52.5	26.2	4.3	836	2.9
77 TO 81	2.5	3.4	1.7	1.4	6.0	4.6	48.5	25.0	6.3	1647	5.7
72 TO 76	1.2	2.7	2.7	2.5	7.1	5.3	44.8	19.3	10.3	2351	8.2
67 TO 71	1.4	3.1	5.2	4.5	12.6	7.0	31.7	12.6	19.9	2716	17.9
62 TO 66	3.5	3.1	11.0	7.5	14.2	7.1	21.0	4.4	23.0	5516	19.2
57 TO 61	3.0	4.4	13.4	11.0	13.2	7.1	13.8	4.6	23.0	5779	20.1
52 TO 56	2.6	7.6	10.8	14.3	9.5	3.7	6.7	2.7	22.2	4573	15.0
47 TO 51	3.0	11.0	13.2	15.7	4.7	1.3	3.1	1.4	16.2	2623	9.1
42 TO 46	3.0	13.0	15.6	17.0	3.5	.4	.9	.9	15.1	1907	3.5
37 TO 41	1.8	11.1	15.6	19.0	5.8	.5	.5	.5	14.7	190	.7
32 TO 36	4.0	7.0	14.0	20.0	8.0				16.0	25	.1
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
1 TO 1											
-4 TO -4											
-9 TO -9											
-14 TO -14											
-19 TO -19											
-24 TO -24											
-29 TO -29											
-34 TO -34											
-39 TO -39											
-44 TO -44											
-49 TO -49											
-54 TO -54											
-5 & LWR											
TOTALS	2.1	5.3	17.7	9.1	10.5	5.3	21.1	9.1	18.6	28714	100.0

NAVWEASERVCOM

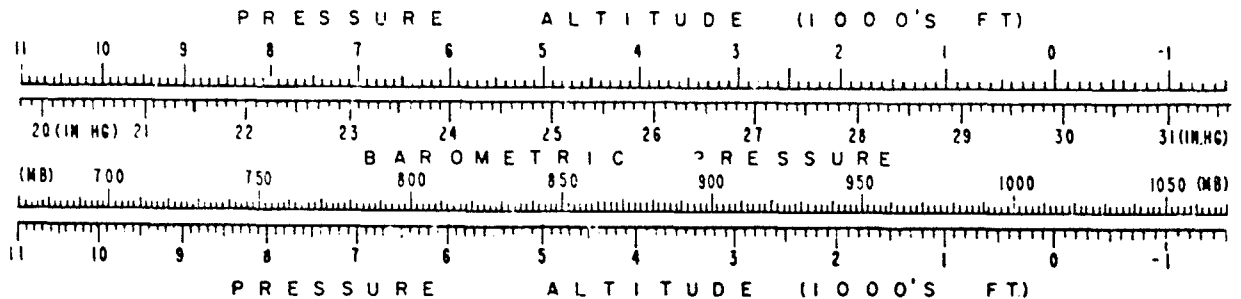
Wagon, Federal Building
Asheville, N. C.

PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

STATION 9101 EL TORO, CALIFORNIA

73-82

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1	MEAN S. D. TOTAL OBS	1017.7 3.743 270	1018.0 3.714 253	1015.4 3.890 310	1015.5 2.741 300	1013.6 2.342 310	1012.7 2.182 300	1012.9 1.994 310	1012.8 2.272 310	1012.2 2.333 300	1014.7 2.374 306	1016.5 3.454 300	1017.7 3.553 310	1016.0 3.542 3549
4	MEAN S. D. TOTAL OBS	1017.4 3.793 279	1017.4 3.748 253	1015.1 3.931 307	1015.0 2.776 300	1013.2 2.400 310	1012.4 2.212 300	1012.7 2.014 310	1012.5 2.279 310	1011.9 2.327 300	1014.3 2.384 304	1016.2 3.482 300	1017.5 3.546 310	1014.6 3.576 3549
7	MEAN S. D. TOTAL OBS	1018.2 3.847 273	1018.2 3.779 253	1016.0 4.063 310	1016.0 2.808 300	1014.1 2.418 310	1013.4 2.192 300	1013.7 2.019 310	1013.6 2.294 310	1012.9 2.359 300	1015.2 2.419 306	1017.0 3.522 300	1018.1 3.571 310	1019.2 3.540 3590
10	MEAN S. D. TOTAL OBS	1019.3 3.822 279	1019.2 3.669 253	1016.7 4.003 310	1016.5 2.744 300	1014.4 2.371 310	1013.6 2.182 300	1013.8 2.012 310	1013.8 2.304 310	1013.3 2.448 300	1015.2 2.429 308	1017.4 3.601 300	1018.2 3.575 310	1016.0 3.729 3590
13	MEAN S. D. TOTAL OBS	1017.1 3.673 279	1017.5 3.589 253	1015.8 3.862 310	1015.4 2.705 300	1013.6 2.318 310	1012.9 2.184 300	1013.0 1.941 310	1012.8 2.308 310	1012.0 2.447 300	1014.0 2.398 308	1015.8 3.519 300	1017.0 3.575 310	1014.7 3.452 3590
16	MEAN S. D. TOTAL OBS	1016.7 3.676 273	1016.8 3.553 253	1014.7 3.799 310	1014.5 2.638 299	1012.8 2.272 310	1012.1 2.158 300	1012.8 1.976 310	1011.7 2.304 310	1011.0 2.424 300	1013.4 2.409 304	1015.4 3.514 300	1016.6 3.521 309	1013.9 3.514 3588
19	MEAN S. D. TOTAL OBS	1017.5 3.777 279	1017.5 3.714 253	1015.2 3.804 310	1014.9 2.653 300	1013.2 2.234 310	1012.3 2.197 300	1012.2 1.988 310	1012.9 2.264 310	1011.8 2.359 300	1014.3 2.412 308	1016.2 3.579 300	1017.4 3.573 309	1014.5 3.644 3589
22	MEAN S. D. TOTAL OBS	1018.1 3.784 279	1018.2 3.780 253	1016.2 3.784 310	1015.8 2.701 300	1014.1 2.273 310	1013.2 2.189 300	1013.2 1.986 310	1013.4 2.257 310	1012.3 2.317 300	1014.9 2.378 309	1016.2 3.554 300	1016.0 3.513 309	1015.2 3.557 3589
ALL HOURS	MEAN S. D. TOTAL OBS	1017.7 3.439 2231	1017.8 3.749 2024	1015.6 3.933 2479	1015.4 2.789 2399	1013.6 2.331 2480	1012.6 2.241 2400	1012.9 2.078 2480	1012.8 2.377 2480	1012.2 2.470 2400	1014.6 2.493 2454	1016.9 3.599 2400	1017.7 3.674 2477	1016.9 3.627 28714

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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

7101 EL TORO, CALIFORNIA

13-52

STATION		YEARS												
7101 EL TORO, CALIFORNIA		13-52												
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1	MEAN	29.648	29.658	29.594	29.586	29.531	29.508	29.514	29.511	29.496	29.565	29.617	29.651	29.571
	S. D.	.119	.109	.114	.087	.069	.065	.058	.067	.066	.070	.102	.105	.104
	TOTAL OBS	279	253	310	300	310	300	310	310	300	308	300	310	3589
2	MEAN	29.638	29.640	29.572	29.570	29.518	29.499	29.507	29.503	29.485	29.553	29.606	29.642	29.560
	S. D.	.111	.110	.115	.081	.071	.066	.058	.067	.069	.070	.103	.105	.104
	TOTAL OBS	279	253	310	300	310	300	310	310	300	308	300	310	3589
3	MEAN	29.654	29.661	29.597	29.599	29.544	29.527	29.536	29.533	29.513	29.578	29.629	29.661	29.594
	S. D.	.112	.111	.114	.082	.071	.066	.059	.067	.069	.071	.104	.105	.102
	TOTAL OBS	279	253	310	300	310	300	310	310	300	308	300	310	3589
4	MEAN	29.693	29.691	29.621	29.614	29.554	29.533	29.540	29.541	29.527	29.596	29.654	29.694	29.603
	S. D.	.112	.108	.118	.081	.070	.065	.059	.068	.072	.072	.106	.105	.108
	TOTAL OBS	279	253	310	300	310	300	310	310	300	308	300	310	3590
5	MEAN	29.631	29.644	29.584	29.584	29.532	29.513	29.516	29.511	29.487	29.546	29.595	29.611	29.563
	S. D.	.108	.105	.113	.074	.069	.065	.057	.068	.072	.072	.104	.106	.100
	TOTAL OBS	279	253	310	300	310	300	310	310	300	308	300	310	3590
6	MEAN	29.618	29.621	29.561	29.554	29.508	29.489	29.487	29.480	29.459	29.528	29.582	29.618	29.540
	S. D.	.108	.104	.111	.077	.067	.064	.058	.068	.071	.071	.104	.104	.102
	TOTAL OBS	279	253	310	299	310	300	310	310	300	308	300	309	3588
7	MEAN	29.640	29.641	29.576	29.567	29.519	29.495	29.491	29.486	29.475	29.552	29.605	29.640	29.554
	S. D.	.111	.109	.111	.077	.066	.065	.057	.067	.069	.071	.105	.106	.109
	TOTAL OBS	279	253	310	300	310	300	310	310	300	308	300	309	3589
27	MEAN	29.660	29.659	29.601	29.593	29.546	29.522	29.524	29.516	29.502	29.574	29.624	29.655	29.580
	S. D.	.111	.111	.112	.079	.067	.065	.058	.068	.068	.070	.105	.104	.109
	TOTAL OBS	279	253	310	300	310	300	310	310	300	308	300	309	3589
ALL HOURS	MEAN	29.648	29.652	29.584	29.584	29.532	29.511	29.514	29.510	29.493	29.561	29.614	29.649	29.570
	S. D.	.112	.110	.113	.081	.070	.067	.061	.070	.072	.074	.106	.107	.105
	TOTAL OBS	2231	2024	2477	2398	2440	2400	2441	2490	2400	2464	2400	2477	24714

END

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