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DEVELOPMENT OF A VERTICAL MIXING DATA BASE IN THE SAN FRANCISCO BAY AND DELTA REGION

Volume II: Data Appendices

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ABSTRACT

The objective of this project was to produce a smog-season data base on mixing depth and stability patterns in the San Francisco Bay and Delta Region, for input to air quality simulation models.

To meet this objective a network of 13 sodars (acoustic radars) was operated from mid-August to early November 1976. Ancillary measurements of temperature and humidity profiles, haze and cloud layering, and 10-m winds were made by airplane, lidar and anemometer.

Techniques of filming and manual digitization were developed to convert the continuous sodar data to hourly digital parameters describing mixing depth and near-surface echo type (a stabiliy indicator). The sodar-inferred mixing depths were compared to those inferred from the ancillary measurements. These and previous tests show good overall agreement and demonstrate that sodar measurements compare very favorably with alternate techniques for determining mixing depth in the Bay Area. To illustrate the use of the data, time-dependent maps of mixing depth are derived for a two-day period. These maps show spatial patterns of mixing layer growth caused by solar heating of land surfaces, compensating downward motions over the bays, and the inland progression of a sudden lifting that marked the end of an air pollution incident.

Appendices include the digitized sodar, airplane, and wind data. The sodar and wind data are also available on computer cards.

This report was submitted in fulfillment of Contract A6-066-80 by SRI International under sponsorship of the California Resources Board. Work was completed as of 25 August 1977.

DISCLAIMER

The statements and conclusions in this report are those of the Contractor and not necessarily those of the State Air Resources Board. The mention of commercial products, their source or their use in connection with material reported herein is not to be construed as either an actual or implied endorsement of such products.

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Appendix A

HOURLY DIGITAL MIXING DEPTH AND STABILITY PARAMETERS

DERIVED FROM SODAR NETWORK DATA

Hourly Digital Mixing Depth and Stability Parameters
Derived from Sodar Network Data

This Appendix presents hourly digital synopses of atmospheric mixing behavior derived from the sodar facsimile records at the thirteen 1976 network sites. The format and symbols used were chosen to satisfy three objectives: (1) compact storage and display; (2) ease of comprehension by a human reader; and (3) ease of input to and use by a computer model. Each line of data shown is essentially the same as a corresponding computer card. (Each card includes a month- and site-indicator, which are omitted from the printed line for clarity.) Each line (card) has 25 entries, giving data for each hour from 0000 to 2400 PDT, inclusive. The data are hourly averages, centered on the time shown. The use of 25 values per card permits conversion to 24 hours of standard-time (PST) data for each date without the need for using data from the previous date's card.

There are two lines (cards) of sodar data for each site-day. The first line (card) gives mixing depths in tens of meters and an indicator of whether multiple layer echoes are present on the sodar record. Each hour occupies three columns; the first two columns give the mixing depth value, and the third column gives the multiple-layer indicator. The second line (card) for each day gives a surface-echo type indicator for each hour. Table A-1 summarizes the meaning of the numbers and symbols used for each entry.

A word of explanation is in order regarding the choice of layer echo top or bottom as the best estimate of mixing depth (see first column of Table A-1(a), and footnote). When the lowest layer echo is off the ground (i.e. the surface echo type indicator is [blank] or 1), the base of the layer echo is taken as the mixing depth, because numerous studies have shown that the layer echo base usually coincides with the elevated temperature inversion base. On the other hand, when the lowest layer echo is on the ground (i.e. the surface echo type indicator is -), the top of the layer echo is taken as the mixing depth. The reason for this is that the top of the ground-based layer echo represents either the top of the ground-based inversion or the top of the layer of turbulence that mixes surface cooling upward to establish the ground-based inversion. The limit for upward mixing of surface-cooled air should also be the limit for upward mixing of surface-generated pollutants, and hence this value is entered as the mixing depth best estimate on the cards. Indeed, comparison studies/1/ have shown that the top of the ground-based acoustic layer echo usually coincides with the ground-based haze top, provided sufficient time has elapsed for the mixing process to establish a well-defined haze top.

It is of course recognized that the strength of upward mixing within a ground-based inversion is much less than the strength of convective mixing. This is in fact the reason for having an indicator of surface layer type to distinguish between stable layers

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/1/for example, Russell, et al., 1974: A comparison of atmospheric structure as observed by monostatic acoustic sounder and lidar techniques; J. Geophys. Res. 79, 5555-5566.

Table A-1

NUMBER AND SYMBOL CODE FOR DIGITAL SODAR DATA

(a) First Line or Card: Layer Heights and Multiple Layer Indicator

Entry	layer height indicator (first 2 columns of each hour)			multiple layer indicator (3rd column of each hour)	
	$1 \geq n \geq 98$	0	99	[blank]	M
Meaning	Height* of lowest layer echo in tens of meters	Questionable layer height† or missing data‡	No layer echo below 990 m	1 or fewer layer echoes present	2 or more layer echoes present

(b) Second Line or Card: Near-Surface Echo Type Indicator

Entry	-	[blank]	1	Q	X
Meaning	Layer echo	No echo	Spike echo	Questionable	Missing data

* If layer is on ground (surface echo type indicator = -), "height" is height of layer top. If layer is aloft (surface echo type indicator = 1 or [blank]), "height" is height of layer top.

† If surface echo type indicator ≠ X

‡ If surface echo type indicator = X

and convection at the surface. In some modeling applications, the mixing depth is sometimes taken to be zero when a ground based inversion is present. The user of the present data set has the option of following this practice, simply by using an IF statement to set mixing depth equal to zero whenever the surface echo type indicator is -. If, however, the user chooses to use a nonzero mixing depth and reduced strength of vertical mixing during occurences of ground-based stable layers, the information required by this procedure is also given in the data set.

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 1, PETALUMA UTMX=533, UTMY=4232, SODAR HT= 3 M ASL

AUGUST 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
11)	42	44	45	44	52	49	50	51	48	49	52	50	48	50	57	99	99	99	37	35	30	29M	29M	22M	36
11)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
12)	37	38	41	40	38	39	41	40	39	37	43	42	42	49	99	41	31	30	36	33	36	26	32	34	35
12)	1	1	1	Q	1	1	Q	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
13)	35	37	37	61	49	49	37	43	43	46	51	45	57	99	99	40	99	31	36	27	24	19	27	18	14
13)									1	1	1	1	1	1	1	1	1	1	1	1				Q	
14)	14	13	17	14	18	10	5	0	0	10	99	99	99	99	99	99	99	99	99	99	99	99	0	9	4
14)										1	Q	1	1	1	1	1	1	1	1	1					
15)	4	12	19	23	33	24	19	5	6	10	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
15)					-	-	-		1	1	1	1	1	1	1	1	1	1	1	1			Q	Q	Q
16)	99	30	31	34	43	0	4	14	13	12	99	99	99	99	99	99	99	99	99	99	99	99	7	9	4
16)	Q						-	1	1	1	1	1	1	1	1	1	1	1	1	1	1		-	-	-
17)	3M	7	4M	4M	0	5M	4	4	6	5	99	99	99	99	99	99	99	99	99	99	99	99	99	99	6
17)	-	-	-	-		-					1	1	1	1	1	1	1	1	1	1					
18)	6	20	17	99	10	8	10	99	99	99	99	99	99	99	99	99	0	0	15	15	15	99	14	8	18
18)					-	-				1	1	1	1	1	1	1			1	Q					
19)	18	12	13	16M	18M	7	0	99	8	21	23	39	99	99	99	99	99	29	35	23	17M	15M	11M	7M	7M
19)						-	Q			1	1	1	1	1	1	1	1	1	1	1					
20)	7M	19	15	9	7M	7M	6M	16M	16	13M	20	99	99	99	99	99	99	99	99	99	13	16	19	20	6
20)					-	-	-		1	1	1	1	1	1	1	1	1	1	1	1					
21)	6	10M	7M	7M	6M	5M	54	57	60	67	69	80	99	99	99	99	99	99	99	99	99	99	99	55	71
21)		-	-	-	-					1	1	1	1	1	1	1	1	1	1	1					
22)	71	99	99	99	99	99	5	13	99	99	99	99	99	99	99	99	99	99	99	99	33	32	21	5M	8M
22)							-	-		1	1	1	1	1	1	1	1	1	1	1				-	-
23)	8M	7	8M	7M	7M	8	5M	6	11	20	27	99	99	99	99	99	99	99	40	38	26	16	20	18	15
23)	-	-	-	-	-		-	-	1	1	1	1	1	1	1	1	1	1	1	1					
24)	15	5M	5M	0	0	0	0	0	25	15	31	33	99	99	99	32	35	37	39	37	26	12	17	8M	7
24)		-							1	1	1	1	1	1	1	1	1	1	1	1					-
25)	7	17	31	32	12M	13M	5M	9M	11M	20	44	99	99	99	99	99	33	47	46	31	21	12	5	11	14M
25)	-				-	-			1	1	1	1	1	1	1	1	1	1	1	1			-	-	-
26)	13M	17M	20M	7M	4M	0	2M	5M	6M	21	34	40	99	99	99	99	99	99	26	25	19	11	9M	8M	4M
26)	-	-	-	-	-	-				1	1	1	1	1	1	1	1	1	1				-	-	
27)	4M	5M	6M	6M	4M	9M	6M	6M	10M	10M	18	24	99	99	99	99	99	99	0	0	4M	9M	5M	5M	5M
27)			-	-	-	-		-	-	1	1	1	1	1	1	1	1	1	Q						
28)	5M	4M	3M	4M	6M	8M	4M	9M	6	13M	19M	24M	36	99	99	99	16	18	14	6	8	7M	12M	10M	15M
28)		-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	Q					
29)	15M	18M	22M	23M	23	24	25	25	21M	17M	15M	24	30	99	99	99	18	18	13	12M	4M	4M	6M	6M	6M
29)										1	1	1	1	1	1	1	1	1	1						
30)	6M	7M	6M	10M	12M	13M	15M	15M	14M	16M	17	13	21	99	99	17	17	16	18	5M	5M	6M	5M	6M	7M
30)									1	1	1	1	1	1	1	1	1	1	1	-					
31)	7M	8M	8M	10M	14M	18M	18M	18M	17M	15	16	21	26	29	99	16	10	19	16	10	9M	6M	7M	7M	7M
31)									1	1	1	1	1	1	1	1	1	1	1	1					
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 1, PETALUMA UTMX=533, UTMY=4232, SODAR HT= 3 M ASL

SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	6M	6M	7M	7M	9M	12M	15M	19M	20M	20M	23M	30M	29M	38	52M	50M	29	26M	21M	21M	7M	5M	5M	11M	7M
1)									1	1	1	1	1	1	1	1	1	1	1	1					-
2)	7M	8M	11M	12M	6M	7M	10M	5M	7M	22M	21M	28M	47M	51	99	0	33M	33	26	23M	5M	6M	5M	0M	13M
2)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1				Q	
3)	13M	14M	13M	6M	33M	37M	39M	42M	40M	45	43	41	37M	46M	45M	0	52	55M	39M	15M	8M	14M	27M	32M	38
3)				-					1	1	1	1	1	1	1	1	1	1	1	1					
4)	37	35	36	38	38	33	29	31	31	34	34	30M	39M	40M	53M	17M	20	14M	10M	10M	7M	6M	8M	10M	13M
4)										1	1	1	1	1	1	1	1	1	1						
5)	13M	13	15M	15M	13M	15M	19M	26M	29M	33M	28M	30M	25M	39M	46	37	99	32	33M	28M	35M	35M	21M	13M	13M
5)									1	1	1	1	1	1	1	1	1	1	1	1					
6)	13M	11M	0M	3M	6M	0M	0M	4M	6M	28M	34M	35M	99	99	18	20	20	50	53	30M	4M	9M	11M	6M	5M
6)			Q			Q	Q	-	-	1	1	1	1	1	1	1	1	1	1	1					
7)	5M	3M	3M	4M	4M	3M	4M	4M	4M	9M	19M	23M	99	99	99	99	31	25	31	27	22M	12M	8M	4M	4M
7)			-	-	-	-	-	-		1	1	1	1	1	1	1	1	1	1				-	-	-
8)	4M	4M	6M	5M	5M	0M	4M	4M	4M	8M	21M	99	99	99	99	99	99	99	21	31	25	5M	5M	5M	5M
8)	-	-		-	-	Q	-	-	1	1	1	1	1	1	1	1	1	1	1	1					
9)	5M	5M	5M	5M	5M	0M	5M	5M	5M	5M	9M	12M	18	99	99	99	0	0	0	0	0	0	0	0	0
9)		-	-	-	-	Q	-	-	-	-	1	1	1	1	1	1	X	X	X	X	X	X	X	X	X
10)	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
10)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11)	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
11)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12)	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
12)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13)	0	0	0	0	0	0	0	0	0	0	0	0	45	99	99	99	99	99	15M	21M	18M	24M	20M	15M	15M
13)	X	X	X	X	X	X	X	X	X	X	X	X	1	1	1	1	1	1	1		1	1			
14)	10M	6M	5M	9M	7M	10M	13M	12M	5M	8M	20M	42	99	99	32	27	24	21	38	34	31	18	22	33	28
14)			-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1						
15)	28	14M	12M	4M	4M	7M	5M	4M	4M	10M	99	99	99	99	99	99	99	99	39	25M	28M	47M	13M	21M	19M
15)			Q	-	-			-	-	1	1	1	1	1	1	1	1	1	1	1					
16)	19M	4M	5M	7M	7M	5M	7M	5M	99	99	99	99	99	99	99	99	99	99	99	0	0	0	0	15M	14M
16)											1	1	1	1	1	1	1	1	1						
17)	14M	11M	15M	6M	6M	5M	5M	4M	12M	19M	34	49	57	99	99	99	99	39	25M	36	24	7M	7M	7M	6M
17)						-				1	1	1	1	1	1	1	1	1	1						
18)	6M	7M	4M	9M	4M	4M	4M	2M	4M	7M	22M	27M	99	99	99	99	99	27	31	15M	17M	23M	29M	34M	38M
18)										1	1	1	1	1	1	1	1	1	1	1					
19)	38M	39	39	39	38	41M	41M	41	44	44	44	46	50	52	53	49	47	48M	54M	52M	58M	59	63	64	28M
19)										1	1	1	1	1	1	1	1	1	1						
20)	28M	34M	46M	25M	23M	17M	18M	17M	16M	75	67	69	72	73	49	31	37	36	35	30M	33M	36	35	36	37
20)										1	1	1	1	1	1	1	1	1	1						
21)	37	36	36	37	40	35	36	40	37	42	39	99	99	58	50	40	31	22	26	23	27M	26M	25M	22M	13M
21)									1	1	1	1	1	1	1	1	1	1							
22)	13M	10M	5M	4M	3M	3M	5M	11M	18M	17M	18M	28M	44	61	24	32	35	34	36	30	23M	18M	9M	9M	6M
22)							-			1	1	1	1	1	1				1				-	-	-
23)	6M	4M	7M	6M	4M	10M	21M	20M	21M	20M	23M	19	38	99	99	20	23	19	13	7M	5M	4M	6M	7M	8M
23)	-				-				1	1	1	1	1	1	1	1	1	1	1						
24)	8M	16M	22M	26M	27M	28	30	34	33M	33M	40	44	44	48	53	50	43	38	30M	21M	22M	23M	6M	7M	31M
24)										1	1	1	1	1	1	1	1	1	1				-	-	
25)	31M	43M	56M	64	67	66	69	70	73	77	76	81	78	79	78	75	99	99	35M	30M	29M	17M	12M	3M	0M
25)											1	1	1	1	1	1	1	1	1						Q
26)	0M	5M	3M	4M	5M	4M	8M	9M	5M	8	12	99	99	99	99	99	99	99	99	99	99	99	99	99	99
26)	Q										1	1	1	1	1	1	1	1							
27)	0	3M	3M	0M	9M	4	6	6	5	5	99	99	99	99	99	99	99	99	99	16	17	11	0	0	0
27)				Q			-				1	1	1	1	1	1	1								
28)	0M	0M	13M	5M	5M	17M	28M	5M	10M	12	99	99	99	99	14	32	9	12	24	9M	16M	17M	20M	23M	7M
28)		Q									1	1													
29)	7M	24M	20M	20M	18M	5M	5M	6M	7M	19M	19M	14M	23M	99	99	99	99	99	99	99	99	10	7M	4M	11M
29)		Q								1	1	1	1	1	1	1	1	1	1	Q		-	-	-	-
30)	11M	0M	7M	5M	3M	3M	7M	4M	7M	7M	22	99	99	99	99	99	99	99	99	13	8M	11M	9M	5M	0M
30)	-	Q										1	1	1	1	1	1	1							
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 1, PETALUMA UTMX=533, UTMY=4232, SODAR HT= 3 M ASL

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	0M	0M	0M	0M	9M	8M	8M	26	38	60	99	99	27	27	32	99	99	99	99	99	99	99	99	17	17
1)														1	1	1	1								
2)	17	99	99	99	14	19	15	15	31	55	99	99	99	99	99	99	99	99	34	41	27	32	19M	27M	26M
2)										1	1	1	1	1	1	1									
3)	26M	5M	3M	10M	17M	20M	22M	21M	16M	17M	20M	20M	37	99	99	99	99	99	29	24	24M	9M	20M	26M	27M
3)											1	1	1	1	1	1	1	1							
4)	27M	12M	6M	5M	5M	7M	4M	6M	7M	7M	18M	22M	32	40	99	99	32	27	36	7M	5M	5M	7M	4M	0M
4)					-	-	-	-	-	-	1	1	1	1	1	1	1	1							Q
5)	0M	9M	0M	0M	0M	0M	5M	5M	4M	6M	16M	19M	25	31	99	99	99	24	28M	0M	0M	9M	4M	6M	3M
5)	Q	Q								1	1	1	1	1	1	1	1	1							-
6)	4M	16M	14M	6M	4M	4M	4M	6M	6M	4M	7M	21M	99	99	99	99	99	17	22	9M	6M	8M	9M	6M	5M
6)				-				-	-	-		1	1	1	1	1	1	1						-	
7)	5M	6M	7M	6M	4M	5M	7M	5M	5M	6M	24M	30	32	30	31	30	22	22M	24M	24M	24M	21M	20M	18M	5M
7)		-	-	-	-	-	-				1	1	1	1	1	1	1	1							-
8)	5M	10M	18M	13M	15M	17M	16M	14M	13M	13M	12M	17M	21M	28	99	99	23	17	15M	9M	7M	4M	7M	5M	9M
8)	-									1	1	1	1	1	1	1	1	1							
9)	9M	9M	8M	9M	5M	4M	5M	5M	5M	24M	20M	19M	21M	30M	36	29	13	14	9M	10M	13M	19M	23M	19M	21M
9)					-	-	-	-			1	1	1	1	1	1	1	1							
10)	21M	19M	20M	21M	23M	24M	26M	24M	26M	22M	27M	25M	29M	37	49	36	30	38	32	30	27	10M	12M	0M	13M
10)										1	1	1	1	1	1	1	1	1							
11)	13M	14M	17M	22M	5M	22M	19M	5M	8M	16M	15M	15M	27M	40	43	21	24	24	7M	6M	5M	6M	4M	8M	7M
11)					-				-		1	1	1	1	1	1	1								-
12)	7M	8M	7M	7M	9M	11M	11M	11M	10M	6M	12M	14	25	99	99	99	99	20	19	17	14	4M	3M	3M	4M
12)	-	-	-	-	-	-	-	-	-		1	1	1	1	1	1	1	1						-	-
13)	4M	6M	5M	4M	5M	10M	5M	4M	5M	6M	17M	18	23	99	99	99	99	99	10	5M	5M	5M	4M	6M	7M
13)	-			-	-	-	-	-	-		1	1	1	1	1	1	1	1		-	-				
14)	7M	9M	10M	15M	17M	18M	20M	22M	21M	20M	20M	15M	16M	35M	99	99	31	24	25	20	25	23M	22M	11M	21M
14)											1	1	1	1	1	1	1	1							
15)	-0	18	20	19	22	22	22	26	26	23	26	23	99	24	34	47	31	20	5M	11M	5M	12	5M	7M	8M
15)												1	1	1	1	1	1	1						-	
16)	8M	4M	6M	6M	5M	5M	5M	6M	3M	8M	11M	18M	24	99	99	99	99	99	99	99	6M	4M	4M	7M	6M
16)				-	-	-	-			1	1	1	1	1	1	1	1	1				-			-
17)	6M	9M	4M	4M	4M	6M	6M	6	7M	7M	12	99	99	99	99	99	99	20	14	4	6	9M	16M	24M	33M
17)	-	-	-	-	-	-	-		-	1	1	1	1	1	1	1	1								
18)	33M	30	32	33	33	38	40	43	48	47	44	45	42	47	99	99	99	35M	30M	26M	37M	69	5M	5M	4M
18)										1	1	1	1	1	1	1	1	1							
19)	4M	4M	5M	47	47	43	37	38	37	34	33	32	33	32	46	25	26	16M	13M	11M	7M	5M	4M	7M	4M
19)										1	1	1	1	1	1	1	1	1					-	-	
20)	4M	5M	6M	7M	6M	6M	5M	5M	5M	5M	12M	17	24	36	46	14	19	18	17	5M	4M	5M	4M	14M	6M
20)		-	-	-	-	-	-	-			1	1	1	1	1	1	1	1							
21)	6M	4M	4M	3M	5M	4M	4M	3M	6M	6M	13M	19M	23M	38	99	99	18	26	19M	10M	14M	24M	23M	27M	12M
21)					-	-			-	1	1	1	1	1	1	1	1	1							
22)	12M	26M	6M	4M	4M	46	50M	51	52	52	47	50	51	61	33	62	68	55	59	26M	16M	10M	14M	14M	5M
22)										1	1	1	1	1	1	1	1	1							-
23)	5M	4M	4M	5M	5M	6M	3M	5M	5M	10M	30	25	39	48	99	99	47	35	19	17	17M	22M	31M	4M	5M
23)	-				-						1	1	1	1	1	1	1	1	1						
24)	5M	4M	8M	13M	10M	7M	3M	52	49	50	53	61	61	64	69	47	44	40	28	20	10	9	6	4M	29
24)										1	1	1	1	1	1	1	1	1							
25)	29	33	24	16	6M	4M	7M	6M	5M	11	22	36	45	99	99	99	27	19	8	8	5	6M	15M	9M	11M
25)							-	-	-		1	1	1	1	1	1	1	1		-	-	-			
26)	11M	10M	8M	4M	4M	5M	6M	9	5M	13	99	99	99	99	99	99	99	99	99	6	4	4	99	99	99
26)						-	-					1	1	1	1	1	1								
27)	99	99	99	99	6	5	6	4M	4M	4M	10	25	99	99	99	99	99	18	26	20	6M	4M	5M	7M	7M
27)					-	-		-		1	1	1	1	1	1	1	1					-	-		
28)	7M	6M	8M	8M	9M	9M	6M	8M	7M	8M	9M	23	23	34	99	99	22	17M	17M	15M	5M	4M	4M	4M	6M
28)										1	1	1	1	1	1	1	1	1			-	-	-		
29)	6M	5M	4M	17M	15M	19M	19M	19M	14M	39M	41	44	35	26	21M	26M	16	21	17M	12M	20M	16M	11M	6M	5M
29)										1	1	1	1	1	1	1	1								-
30)	5M	4M	4M	4M	7M	10M	13M	10M	5M	31	33	38	33	27	32	42	26	24	23	18	3M	3M	3M	28	28
30)	-									1	1	1	1	1	1	1	1	1							
31)	28	28	26	22M	20M	20M	9M	10M	16M	15M	15M	15	18	41	39	33	32	28	20	23	7M	6M	5M	6M	6M
31)											1	1	1	1	1	1	1	1			-	-			
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 1. PETALUMA — UTMX=533, UTMY=4232, SODAR HT= 3 M ASL

NOVEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	6M	8M	5M	4M	7M	6M	7M	6M	7	7	0	26	99	99	99	99	99	12	12	3M	4M	4	4M	4M	3M
1)			-	-	-	-	-	-	X	X	X	1	1	1	1	1	1						-	-	-
2)	3M	5M	4M	4M	4M	4M	4M	3M	4M	6M	17M	15M	18M	22M	21	25	24	26	7M	4M	4M	4M	5M	4M	1M
2)	-	-	-						-		1	1	1	1	1	1	1	1	-	-	-	-			
3)	1M	6M	6M	6M	7M	6M	6M	5M	5M	6M	17M	23	0	0	0	0	0	0	0	0	0	0	0	0	0
3)			-	-	-	-				1	1	1	X	X	X	X	X	X	X	X	X	X	X	X	X
/	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

SITE 2. MARTINEZ — UTMX=579, UTMY=4208, SODAR HT= 6 M ASL

AUGUST 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
10)	-0M	5M	7M	12M	17M	17M	16M	21M	30	35	25M	24M	25M	41	60	99	99	99	99	16	10	4	20M	10M	17M
10)									1	1	1	1	1	1	1	1	1	1	1						
11)	17M	15M	9M	44	43	41	45	49	52	52	53	56	58	0	0	0	0	0	0	0	0	0	0	0	0
11)				Q	Q	Q	Q		1	1	1	1	1	X	X	X	X	X	X	X	X	X	X	X	X
12)	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
12)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13)	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
13)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14)	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
14)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15)	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
15)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16)	0	0	0	0	0	0	0	0	0	0	0	0	0	99	99	99	99	99	99	99	99	99	0	0	0
16)	X	X	X	X	X	X	X	X	X	X	X	X	X	1	1	1	1	1	1	1	1			Q	Q
17)	0	4M	3M	5M	8M	5M	5M	6M	6M	29	99	99	99	99	99	99	99	99	99	32	23	16	6M	5M	5
17)	Q	-	-	-	-	-	-			1	1	1	1	1	1	1	1	1	1						
18)	5	99	99	5M	5M	5M	5M	5	20	22	99	99	99	99	99	99	99	0	0	0	0	0	5M	5M	5M
18)											1	1	1	1	1	1	1	Q	Q	Q	Q	Q			
19)	5	4M	6M	6M	4M	5M	5	8	13	19	24	99	99	47	40	44	41	40	40	41	3M	4M	5M	19	9
19)		-	-							1	1	1	1	1	1	1	1	1	1	Q	-	-	-		
20)	9M	10M	7M	16M	14M	15M	11M	9M	25M	20M	30M	29M	29	99	99	99	99	20	17	21	13	18	28	29	31
20)									1	1	1	1	1	1	1	1	1	1		1	Q	Q			
21)	31	28M	27M	31M	38	18M	13M	17M	21M	50	62	57	99	99	99	99	0	0	26	30	19	31	33	99	48
21)										1	1	1	1	1	1	1	1	1	1	1					
22)	48	61	68	74	7	5M	4M	4M	12	28	99	99	99	99	99	99	99	99	99	99	99	99	99	40	20M
22)										1	1	1	1	1	1	1	1	1	1	Q	Q				
23)	20M	8M	8M	7M	8M	7M	7M	5M	26M	32M	20	99	99	99	99	99	99	99	99	99	27	27	12M	5M	5M
23)		-	-	-	-	-	-		1	1	1	1	1	1	1	1	1	1	1	1				-	-
24)	5M	17M	19M	17M	14M	12M	17M	18M	22M	20M	39M	45	99	99	99	99	99	99	99	36	25	8M	10M	0M	14M
24)	-									1	1	1	1	1	1	1	1	1	1	1					
25)	14M	10M	19M	0M	10M	7M	4M	4M	19	52	48	51	46	48	99	99	99	99	99	44	22	17	0	0	40M
25)		-		Q	-	-				1	1	1	1	1	1	1	1	1	1				Q	Q	1
26)	40M	38M	38M	37M	11M	8M	6M	7M	7M	19M	27	36	99	99	99	99	99	99	99	99	8	7M	9M	10M	7M
26)	1	1	1	Q		-	-	-	-		1	1	1	1	1	1	1	1	1						
27)	7M	10M	11M	10M	11M	8M	9M	10M	13M	15M	13M	17M	12	99	99	99	99	99	99	99	23	5M	7M	9M	7M
27)										1	1	1	1	1	1	1	1	1							
28)	7M	8M	10M	5M	5M	8M	7M	5M	10M	12M	19M	13M	10M	17	99	99	99	99	99	99		5M	10M	10M	9M 8M
28)								-			1	1	1	1	1	1	1	1	1	1					
29)	8M	5M	5M	8M	7M	10M	9M	7M	9M	12M	12M	10M	15M	10M	18	99	99	99	99		5M	6M	5M	7M	10M 7M
29)										1	1	1	1	1	1	1	1	1							
30)	7M	12M	10M	8M	10M	10M	6M	8M	13M	10M	10M	9M	7M	12M	12M	99	99	99	99	19	20	5M	5M	10M	10M
30)														1	1	1	1								
31)	10M	8M	10M	8M	8M	6M	7M	8M	10M	11M	12M	10M	13M	18M	99	99	99	99	99	99		4M	5M	6M	6M 6M
31)															1	1	1								
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 2, MARTINEZ UTMX=579, UTMY=4208, SODAR HT= 6 M ASL

SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	6M	7M	5M	8M	7M	8M	8M	8M	10M	14M	10M	10M	12M	12M	12M	13M	31	38	33	3M	4M	4M	5M	6M	5M
1)										1	1	1	1	1	1	1	1	1							
2)	5M	5M	9M	7M	12M	10M	7M	5M	6M	17M	21M	47M	42	42	99	99	99	99	23	70	7M	5M	5M	6M	17M
2)										1	1	1	1	1	1	1	1	1		7	-				
3)	17M	16M	12M	10M	20M	20M	21M	22M	30M	33	18M	12M	41	48	46	27	0	99	99	5	7	8M	9M	10M	11M
3)						Q				1	1	1	Q	Q	Q	Q	Q	1	1						
4)	11M	18M	20M	18M	19M	16M	13M	26M	28M	28M	30M	30	20M	15M	25	27	23	99	99	11M	21M	8M	9M	5M	9M
4)										1	1	1	1	1	1	1	1	1	1						
5)	9M	8M	6M	7M	7M	7M	8M	7M	9M	14M	16M	16M	17M	99	99	99	99	99	99	99	6M	7M	5M	7M	5M
5)										1	1	1	1	1	1	1	1	1	1	1					
6)	5M	5M	6M	7M	4M	6M	8M	6M	4M	33M	51	65	69	99	99	99	99	99	99	22	5M	8M	8M	9M	10M
6)										1	1	1	1	1	1	1	1	1	1						
7)	10M	7M	6M	20M	12M	10M	10M	9M	10M	10M	10M	99	99	99	99	99	99	99	99	99	16	17	3M	10M	8M
7)											1	1	1	1	1	1	1	1	1						
8)	8M	8M	12M	7M	7M	9M	8M	6M	8M	7	99	99	99	99	99	99	99	99	99	99	5	14	8M	7M	8M
8)						-			-		1	1	1	1	1	1	1	1							
9)	8M	7M	7M	7M	7M	8M	9M	7M	11M	9M	30	36	99	99	99	99	99	99	99	99	99	99	99	11	16
9)											1	1	1	1	1	1	1								
10)	16	11M	11M	8M	9M	11M	7M	6M	9M	15M	10M	11M	19	0	99	99	99	99	99	5M	6M	9M	9M	6M	9M
10)														1	1	1	Q								
11)	9M	8M	12	17	21	0	49	46	59	99	99	99	99	99	99	99	99	99	99	99	99	50	37M	32M	44M
11)						Q				1	1	1	1	1	1	1	1	1	1	1	1				
12)	44M	50M	39M	40M	30	20	27	31	99	99	99	99	99	99	99	99	99	99	99	99	99	27	23M	5M	5M
12)									1	1	1	1	1	1	1	1	1	1	1						
13)	5M	5M	8M	7M	4M	9M	9M	8M	9M	9M	21M	10	99	99	99	99	99	99	99	99	35	15	15M	19M	6M
13)						-	-	-	-	-			1	1	1	1	1	1							-
14)	6M	5M	45	46	43M	41	46	43	40	45	47	48	99	99	99	99	99	99	99	30M	32M	13M	8M	5M	5M
14)	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				-		
15)	5M	9M	6M	7M	7M	5M	7M	8M	22M	50	99	99	99	99	99	99	99	99	33	19	19	22	7	33M	33M
15)					-				1	1	1	1	1	1	1	1	1	1	1						
16)	33M	25M	15M	7	13	18	38	33	40	99	99	99	99	99	99	99	99	99	99	0	0	0	22	40	51
16)				-						1	1	1	1	1	1	1	1	1	1	Q	Q	Q			
17)	51	48	52	33	13M	61	0	31M	29M	30M	30M	99	99	99	99	99	99	99	99	34	20M	18M	8M	18M	9M
17)							Q				1	1	1	1	1	1	1	1	1						
18)	9M	5M	5M	5M	4M	4M	5M	5M	7M	5M	28M	22M	99	99	99	99	99	99	99	27	23	6M	8M	10M	10M
18)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1							
19)	10M	14M	14M	16M	23M	27M	5M	5M	34	0	0	0	0	7	8	23	38	31	21	0	0	0	0	0	0
19)							-	-		Q	Q	Q	C	-	-	1	1	1	Q	Q	Q	Q	Q	Q	Q
20)	0	0	0	0	0	0	0	0	70	66	59	60	99	99	99	99	99	99	99	99	42	17	21	9M	23
20)	Q	Q	Q	Q	Q	Q	Q	Q		1	1	1	1	1	1	1	1	1	1						
21)	23	18	8M	22	18M	20M	5M	17M	13M	30	32P	11M	16M	99	99	99	99	99	30	31	13M	16M	20M	9M	12M
21)			-				-			1	1	1	1	1	1	1	1	1							
22)	12M	6M	5M	8M	7M	10M	9M	8M	9M	20M	18M	40	40	41	41	45	99	99	30	20	8M	7M	6M	7M	8M
22)	-	-	-	-	-	-	-	-	-		1	1	1	1	1	1	1	1	1		-	-	-	-	-
23)	8M	9M	9M	8M	8M	14M	15M	19M	11M	13M	12M	15M	20M	26	19	99	99	99	99	5M	18M	5M	5M	8M	10M
23)	-	-	-	-	-						1	1	1	1	1	1	1	1		-			-		
24)	10M	8M	9M	9M	13M	14M	11M	15M	15M	0M	0M	23M	18M	30M	33	31	31	20	23	36	27	18	8M	8M	10M
24)										Q	Q	1	1	1	1	1	1	1	1	1	1		-	-	
25)	10M	19M	20M	61	63	63	64	58	67	70	74	73	72	69	67	69	70	99	99	99	99	99	99	99	99
25)				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26)	99	63	63	62	62	68	25M	25M	19	99	99	87	99	99	99	99	99	99	99	21	18	99	15	25	26
26)	1	1	1	1			1	1	1	1	1	1	1	1	1	1	1	1	1						
27)	26	25	38	20	18	29	5M	24	5M	21	31	99	99	99	99	99	11	11	9	8	9	99	99	99	6
27)							-		-	1	1	1	1	1	1	1	1	1			-				-
28)	6	99	6	9	7	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6M	5M	6M	7M	6M
28)	-		-		-		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q				-	-	-	-	-
29)	6M	7M	7M	6M	7M	0	0	0	0	8M	5M	10M	17M	26	99	99	99	99	6	8	6M	4M	8	5M	7M
29)	-	-	-	-	-	Q	Q	Q	Q	-	-	1	1	1	1	1	1	1	-	-	-	-	-	-	-
30)	7M	5	5	7M	6M	9M	4M	5M	10M	9M	99	99	99	99	99	99	99	99	99	99	99	99	13	6M	7M
30)	-	-	-	-	-	-	-	-			1	1	1	1	1	1	1	1	1	1	1	1	1	-	-
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 2, MARTINEZ UTMX=579, UTMY=4208, SODAR HT= 6 M ASL

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	5M	33	35	35	33	M18	M	6M	14M	99	0	0	0	18	99	99	99	23	17M	12	0	9	27	13	10	99
1)	-	Q	1	1	1	1	1	1	1	Q	Q	Q	1	1	1	1	1	1	-	Q						
2)	99	10	8	7	13	16	99	20	99	0	99	99	0	0	0	99	99	99	99	99	0	22	32	13M	5	
2)										X	1	1	Q	Q	Q	1	1	1	1		Q				-	
3)	5	6M	7M	9M	7M	7M	7M	7M	6M	12M	18M	10	18	99	99	99	99	99	99	99	22	10M	7M	11M	5M	
3)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1					-	
4)	5M	5M	4M	5M	5M	5M	9M	10M	10M	10M	13	99	99	99	99	99	99	99	99	99	99	10	8M	8M	5M	
4)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1						-	-	-	
5)	5M	4M	8M	13M	6M	9M	7M	6M	6M	13M	20M	31	99	99	99	99	99	99	99	9	7	9M	4M	9M	6M	
5)	-	-			-		-	-	-	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	
6)	6M	6M	5M	6M	4M	4M	4M	7M	7M	7M	15	14	25	99	99	99	99	99	99	6	5M	5M	4M	5M	5M	
6)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1		-	-	-	-	-	
7)	5M	4M	5M	5M	5M	4M	5M	6M	5M	14M	13M	30	30	30	32M	30M	30M	28M	9M	9M	4M	7M	10M	5M	13M	
7)	-	-	-	-	-	-	-	-	-		1	1	1	1	1	1	1	1			-		-			
8)	13M	5M	8M	14M	6M	5M	5M	5M	4M	6M	7M	4M	11M	12M	30	28	99	99	6M	3M	10M	10M	5M	4M	4M	
8)		-			-	-	-	-	-	-	-	-	1	1	1	1	1	1	-	-	-	-	-	-	-	
9)	4M	15M	8M	8M	7M	9M	9M	8M	11M	10M	12M	18M	17	99	99	99	99	99	99	8M	12M	12M	13M	11M	7M	
9)	-	-						-		1	1	1	1	1	1	1	1	1	1	-	-		-	-		
10)	7M	7M	8M	9M	9M	8M	16M	13M	18M	22M	20M	16M	11M	10M	38	99	99	99	99	38	37	9M	6M	12M	10M	
10)						-				1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	
11)	10M	8M	6M	6M	5M	8M	6M	10M	23M	11M	20M	19M	15	13	16	99	99	99	6M	6M	8M	8M	5M	8M	15M	
11)	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	
12)	15M	5M	6M	18	16	10	9	10	10	8	35	99	99	99	99	99	99	99	99	5	6M	5	5M	7M	8M	
12)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1			-	-		-	-	-	
13)	8M	6M	4M	10M	8M	7M	5M	4M	3M	5M	13M	19	21	30	34	99	99	99	99	5M	6M	10M	9M	4M	4M	
13)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1		-	-	-	-	-	-	
14)	4M	4M	4M	3M	4M	4M	4M	6M	5M	5M	6M	6M	16M	18M	12	10	99	31	4M	5M	5M	6M	10M	5M	4M	
14)	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	-	-	-	-	-	-	-	
15)	4M	8M	6M	13M	9M	10M	15M	13M	14M	18M	19M	19M	18M	16M	22M	11M	17M	8M	8M	7M	5M	6M	18M	20M	18M	
15)	-	-	-				1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	
16)	11M	10M	10M	10M	11M	10M	6M	9M	5M	8M	12M	19M	26	99	99	99	99	99	5	7M	8M	10M	10M	8M	11M	
16)							-	-	-	-	1	1	1	1	1	1	1	1	-	-	-	-		-	-	
17)	11M	12M	7M	8M	6M	6M	8M	8M	6M	10M	11M	99	99	99	99	99	99	99	5	7	6M	7M	8M	12M	7M	
17)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	-	-	-	-		1	-	
18)	7M	17M	11M	16M	17M	19M	16M	14M	10M	0	11M	12M	11M	14M	18	20	99	29	48	10M	0M	14M	11M	13M	27M	
18)	-	-								Q	1	1	1	1	1	1	1	1	1	-	Q	-	-			
19)	27M	22	27	30	26	27M	22M	22M	0	0	0	0	0	0	0	0	0	0	0	0	7	8M	5M	6M	10M	
19)									Q	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	
20)	10M	8M	6M	6M	5M	9M	7M	6M	8M	14M	14M	12	10M	15	13	18	25	99	5M	7M	10M	5M	5M	5M	5M	
20)	-	-	-	-	-	-	-	-	-	1	1	1		1	1	1	1	1	-	-	-	-	-	-	-	
21)	5M	5M	5M	6M	7M	6M	6M	7M	9M	16M	18M	13M	99	17M	23	12	99	99	8	27	27	7M	19M	11M	17M	
21)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1				1	1	-			1	
22)	17M	7M	7M	29M	31M	32M	32M	38M	37	38M	30M	60	62	70	72	67	99	8	27	15	17	29	31	20M	8M	
22)	1	-	-	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	
23)	8M	8M	0M	0M	0M	0	0	7M	0	36M	51	51	58	99	99	99	99	99	43	18M	12M	9M	12M	10M	19M	
23)	-	-	Q	Q	Q	Q	Q	-	Q		1	1	1	1	1	1	1	1	1	-	-	-				
24)	19M	7M	0	0	0	7M	8M	0	0	0	57	63	70	68	99	99	99	99	99	99	0	33	17	9	6M	
24)		-	Q	Q	Q	-	-	Q	Q	Q	1	1	1	1	1	1	1	1		1	Q	-				
25)	6M	52	18M	29M	19M	12M	24M	24M	19M	8M	20M	18	99	99	99	99	99	99	19	19M	6M	7M	8M	9M	10M	
25)											1	1	1	1	1	1	1	1			-	-	-	-	-	
26)	10M	16M	10M	11M	8	10	8	6	6	99	99	99	99	99	99	99	99	99	7	7	8	8	10	99	99	
26)	-	-	-	-	-	-	-	-	-		1	1	1	1	1	1	1		-	-	-	-	-	1	1	
27)	99	99	99	99	6M	8M	7M	8M	8M	5M	23M	27M	99	99	99	99	99	99	9	5M	23	27	11M	11M	5M	
27)	1	1	1	1	-	-	-	-	-	-	1	1	1	1	1	1	1		-	-			-	-	-	
28)	5M	6M	5M	6M	7M	8M	9M	6M	10M	12M	27	27	27	27	21	99	99	0	7M	8M	20M	8M	8M	9M	10M	
28)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	Q	-							
29)	10M	9M	9M	10M	11M	13M	9M	10M	10M	8M	24M	44	20M	27M	18M	23	24	30	28	0	38	18M	17M	17M	11M	
29)		-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1			Q						
30)	11M	0	0	0	0	0	0	0	0	0	34M	41M	30M	54	50	43	30	29	28	29M	19M	19M	11M	9M	15M	
30)		Q	Q	Q	Q	Q	Q	Q	Q	Q	1	1	1	1	1	1	1	1						-		
31)	15M	11M	9M	7M	10M	10M	8M	9M	6M	20M	12M	9M	21	99	99	99	99	99	99	6	8	10M	9M	5M	5M	
31)				-	-	-	-	-	-		1	1	1	1	1	1	1			-	-			-	-	
/	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	

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 2, MARTINEZ — UTMX=579, UTMY=4208, SODAR HT= 6 M ASL

NOVEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	5M	5M	8M	10M	9M	10M	6M	6M	10M	8M	18	21	21	29	99	99	99	99	7	7	6M	6M	8M	7M	6M
1)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1				-	-	-	-	-
2)	6M	7M	6M	7M	6M	7M	7M	7M	8M	6M	12M	12M	10	99	99	99	99	99	8M	8M	12M	10M	7M	6M	6M
2)	-	-	-	-	-	-	-	-	-		1	1	1	1	1	1	1		-	-	-	-	-	-	-
3)	6M	9M	9M	9M	7M	4M	5M	6M	6M	6M	7M	26	25	24	0	0	0	0	0	0	0	0	0	0	0
3)	-	-	-	-	-	-			-	-		1	1	1	X	X	X	X	X	X	X	X	X	X	X
/	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

SITE 3, ANTIOCH — UTMX=608, UTMY=4207, SODAR HT= 15 M ASL

AUGUST 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
12)	17M	8M	8M	5M	5M	4M	5M	7M	16M	26M	42M	52M	42M	37	27	35	30	46	39	39	20M	5M	5M	7M	15M
12)				-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1			-	-	-	-
13)	15M	17M	22M	17M	21M	19M	16M	11M	9M	27	44	67	99	99	99	99	99	99	99	53	26	33	12M	10M	27
13)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1						
14)	27	17M	16M	29M	27	36	39	40	40	45	0	0	0	0	20	30	0	0	0	0	99	99	0	48	57
14)											Q	1	1	1	1	1	Q	Q	Q	Q			Q		1
15)	57	63	46	0	0	0	0	52	0	22	43	46	99	99	99	99	99	99	99	99	99	99	5	5	5
15)	1	1	1	1	1	Q	Q		Q	1	1	1	1	1	1	1	1	1	1	1	1		-	-	-
16)	5	5	6	5	6	7	6	5	6	33	30	99	99	99	99	99	99	99	99	99	99	99	17	9	5M
16)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1					-
17)	5M	5M	6M	6M	7M	10M	10M	7M	5M	6M	8M	30M	36M	42	99	99	99	99	99	99	0	0	0	0	0
17)	-	-	-	-	-			-	-	-	-	1	1	1	1	1	1	1			Q	Q	Q	Q	Q
18)	0	0	0	0	0	0	0	0	9	27	30	50	52	99	99	99	99	99	21	26	20M	20M	21M	12M	13M
18)	Q	Q	Q	Q	Q	Q	Q	Q					1	1	1	1	1	1							
19)	13M	8M	7M	7M	7M	0	0	0	0	19M	20M	20	99	99	99	99	99	99	20M	10M	5M	7M	6M	6M	7M
19)		-	-	-	-	Q	1	1	Q			1	1	1	1	1	1	1	1				-	-	-
20)	7M	7M	8M	6M	11M	6M	9M	6M	17M	23	99	99	99	99	99	99	99	99	99	9M	13M	5M	6M	5M	7M
20)	-	-	-					-	1	1	1	1	1	1	1	1	1	1	1			-	-	-	-
21)	7M	10M	10M	5M	5M	8M	8M	10M	19M	40	49	29	99	99	99	99	99	99	45M	20M	28M	20M	21M	20M	20M
21)	-	-	-	-	-					1	1	1	1	1	1	1	1	1	1						
22)	20M	46M	38M	27M	0	5M	5M	5M	5M	5M	99	99	99	99	99	99	99	99	99	99	99	6M	6M	22M	26M
22)					Q	-	-	-	-	-		1	1	1	1	1	1	1	1			-	-		
23)	26M	26M	10M	9M	9M	8M	8M	7M	6M	33	99	99	99	99	99	99	99	99	99	99	7M	9M	7M	6M	10M
23)			-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1					-	-
24)	10M	9M	7M	8M	9M	10M	5M	4M	9M	17M	33M	99	99	99	99	99	99	99	99	6M	10M	10M	6M	7M	8M
24)	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1				-	-	-
25)	8M	5M	6M	9M	11M	16M	22M	16M	10M	40	42	38	44	99	99	99	99	99	99	40	6M	8M	5M	4M	4M
25)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1		-	-	-	-	-
26)	4M	10M	9M	9M	9	12	12	12	42	46	57	66	99	99	99	99	99	99	99	7	5	11	10M	7M	8M
26)	-	-	-	-	-	-	-	-		1	1	1	1	1	1	1	1	1	1					-	-
27)	8M	8M	7M	7M	10M	12	11M	10M	11	6	7	7	5M	99	99	99	99	99	99	99	99	6	5M	8M	9M
27)	-	-	-	-	-	-	-	-	-				-	1	1	1	1	1	1			-	-	-	-
28)	9M	9M	9M	10M	9M	5M	8M	5M	5M	8M	11M	12M	14M	99	99	99	99	99	99	10	5	6	8M	10M	10M
28)	-	-	-	-				-	-		1	1	1	1	1	1	1	1	1				-	-	-
29)	10M	11M	6M	6M	6M	6M	7M	9M	10M	10M	10M	28M	15M	99	99	99	99	99	99	99	5M	8M	8M	8M	8M
29)	-	-	-		-	-	-							1	1	1	1	1			-	-	-	-	-
30)	8M	8M	9M	10M	8M	5M	4M	5M	6M	9M	23M	18M	14M	99	99	99	99	99	99		7M	6M	9M	10M	9M
30)	-	-	-	-	-					-	1	1	1	1	1	1	1	1			-	-	-	-	-
31)	9M	10M	10M	12M	11M	10M	10M	7M	8M	9M	10M	9M	18M	15	13	99	99	9	6	5	5M	11M	11M	11M	11M
31)	-	-	-	-	-	-	-				-	-	1	1	1	1	1				-	-	-	-	-
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 3, ANTIOCH UTMX=608, UTMY=4207, SODAR HT= 15 M ASL

SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	11M	11M	11M	12M	11M	8M	9M	9M	8M	8M	14M	13M	18M	21	25	19	99	99		9M	9M	11	10	12M	8M	7M
1)	-	-	-	-	-					-	-	-	1	1	1	1	1	1		-	-	-	-	-		
2)	7M	5M	7M	5M	6M	6M	9M	9M	8M	8M	15M	12M	10	7M	8M	6M	9	8		5	17	9M	7M	7M	10M	6M
2)											1	1	1	-	-	-							-	-	-	
3)	6M	7M	7M	9M	9M	11M	12M	11M	15M	20M	25M	26M	30M	51	99	10	6	8M	21M	5M	6M	6M	8M	9M	11M	
3)										1	1	1	1	1	1	1										
4)	11M	10M	9M	10M	6M	7M	7M	7M	6M	12M	13M	15M	14	10	10M	10M	6M	5M	26		5M	10M	6M	7M	7M	10M
4)						-	-	-	-	1	1	1	1	1	1	1				-						
5)	10M	10M	10M	10M	11M	9M	9M	10M	12M	17M	13M	12M	15M	27M	35M	26	19	10	14	10		6M	7M	5M	6M	8M
5)										1	1	1	1	1	1	1	1					-	-	-	-	-
6)	8M	7M	4M	10M	6M	5M	5M	0	6M	19M	99	99	99	99	99	99	99	99	11M	10		6	7M	7M	8M	8M
6)	-	-	-	-	-	-	-	Q	-	1	1	1	1	1	1	1	1	1	1							
7)	8M	7M	8M	5M	7M	7	5	5	5	99	99	99	99	99	99	99	99	99	99	99		6M	6M	5M	5M	4M
7)				-	-	-	-	-	-		1	1	1	1	1	1	1	1				-	-	-	-	-
8)	4M	5M	6M	6M	4M	4M	4M	4M	4M	18	99	99	99	99	99	99	99	99	99	99	99		5M	5M	6M	5M
8)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1				-	-	-	-
9)	5M	5M	5M	6M	7M	6M	6M	7M	7M	19M	29	33	39	99	99	99	99	99	99	99		5M	5M	7M	6M	5M
9)	-	-	-	-	-	-		-	-	1	1	1	1	1	1	1	1	1	1			-	-	-	-	-
10)	5M	8M	5M	5M	10M	9M	9M	7M	8M	10M	8M	7M	12M	16M	23	10	5	99	99		4M	5M	4M	4M	4M	8M
10)	-		-			-							1	1	1	1					-	-	-	-		
11)	8M	13M	10M	12M	20M	24M	0	10M	11M	0	10	0	99	99	99	99	99	99	99	19	26	21M	18M	19M	10M	
11)							Q			Q		Q	1	1	1	1	1	1	1							
12)	10M	10M	7M	19M	24M	8M	11M	12M	10M	11M	31M	40	99	99	99	99	99	99	99	99	20	17M	8M	5M	8M	
12)											1	1	1	1	1	1	1	1	1					-	-	
13)	8M	8M	9M	10M	10M	9M	8M	6M	5M	17	20	24	99	99	99	99	99	99	99	5	0	12	10M	8M	8M	
13)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1		Q		-	-	-	
14)	8M	8M	11M	8M	7M	6M	7M	7M	8M	6M	43	40	48	52	99	99	99	99	99	31		7M	11M	10M	18M	10M
14)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1			-	-			
15)	10M	10M	6M	6M	6M	7M	5M	6M	5M	16M	99	99	99	99	99	99	99	99	99	20		9M	7M	5M	14M	14M
15)		-	-				-	-	-	1	1	1	1	1	1	1	1	1	1					-		
16)	14M	10M	6M	7M	7M	5M	5M	4M	10M	30	99	99	99	99	99	99	99	99	99	38	21M	10M	11M	11M	11M	
16)			-	-	-	-	-	-		1	1	1	1	1	1	1	1	1	1							
17)	11M	10M	10M	7M	9M	10M	10M	10M	7M	23M	44	99	99	99	99	99	99	99		8	24	11M	0	23	11M	11M
17)							-	-		1	1	1	1	1	1	1	1	1					Q		-	-
18)	11M	11M	14M	14M	14M	13	7M	7M	6M	20M	30	99	99	99	99	99	99	99		7	6	6M	5M	10	10	10M
18)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1						-	-	
19)	10M	9M	9M	10M	8M	9M	6M	4M	5M	21M	27	15	13M	12M	12M	10M	26	20	99	14	12M	18M	19M	20M	18M	
19)								-	-	1	1	1	1	1	1	1	1	1	1							
20)	18M	24M	36M	32M	28M	21M	41M	50	48	48	50	53	57	99	99	99	99	99	28	17M	18M	12M	7M	9M	5M	
20)										1	1	1	1	1	1	1	1	1							-	
21)	5M	4M	6M	5M	6M	7M	4M	7M	4M	11M	18M	99	99	99	99	99	99	99	99	99	99		7M	12M	11M	13M
21)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1				-	-	-	-	-
22)	13M	13M	13M	12M	12M	18M	4M	5M	29M	30M	26M	28M	99	99	99	99	99	99	99	14		5M	6M	5M	5M	10M
22)	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1			-	-	-	-	-
23)	10M	11M	15M	14M	10M	8M	4M	5M	5M	7M	9M	40	28	99	99	99	99	99	99	99		9	14M	7M	7M	9M
23)	-	-	-	-	-	-	-	-				1	1	1	1	1	1	1	1							-
24)	9M	10M	10M	10M	9M	7M	4M	5M	9M	10M	13M	10M	9M	10M	9M	99	99	99	99	20		6M	8M	6M	9M	11M
24)	-	-	-	-		-	-	-		1	1	1	1	1	1	1	1	1	1							
25)	11M	10M	10M	11M	20M	23M	21M	20M	16M	19M	31M	42M	42M	39M	40M	41M	38	49	33	32	18M	31	31	28	20M	
25)										1	1	1	1	1	1	1	1	1	1							
26)	20M	11M	17M	7M	3M	4M	6M	7M	38	57	70	82	99	99	99	99	99	99	42	27M	11M	13M	18M	22M	4M	
26)					-	-	-	-		1	1	1	1	1	1	1	1	1	1							-
27)	4M	5M	5M	9M	7M	6M	6M	7M	6M	26	33	99	99	99	99	99	99	99	18M	20M	12M	7M	19	6M	5M	
27)	-	-	-			-	-	-	-	1	1	1	1	1	1	1	1	1	1				-		-	-
28)	5M	6M	5M	4M	5M	5M	5M	10M	0	4M	32	0	0	0	0	0	0	0	4M	5M	4M	4M	4M	3M	4M	6M
28)	-		-	-	-	-			Q	-	1	Q	Q	Q	Q	Q	Q	Q	-	-	-	-	-	-	-	-
29)	6M	5M	8M	8M	8M	5M	6M	4M	8M	17M	18M	23M	25M	30M	20M	25	99	99	20M	10M	5M	9M	9M	7M	7M	
29)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1				-	-	-	-	-
30)	7M	7M	8M	5M	6M	8M	7M	7M	7M	19M	19M	99	99	99	99	99	99	13	36	17M	12M	12M	12M	11M	10M	
30)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1					-	-	-	-	-
/	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	

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 3, ANTIOCH UTMX=608, UTMY=4207, SODAR HT= 15 M ASL

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	10M	11	10	8M	11M	10M	10M	10M	5M	99	0	13M	0	34	34	0	99	99	99	10	5M	16	0	0	0
1)	-	-	-	-	-	-	-	-	-	1	Q		Q		1	1	1	1			-		Q	Q	Q
2)	0	0	0	0	0	0	0	0	0	7M	99	99	99	99	99	99	99	99	99	99	99	23	9M	6M	7M
2)	Q	Q	Q	Q	Q	Q	Q	Q	Q	-	1		1			1	1						-	-	-
3)	7M	9M	8M	9M	7M	6M	26	18	13	99	99	99	99	99	99	99	99	99	99	4	6	8M	9M	9M	9M
3)	-	-	-	-	-	-				1	1	1	1	1	1	1	1	1		-	-	-	-	-	-
4)	9M	9M	10M	8M	5M	6M	9M	5M	5M	12M	26	26	99	99	99	99	99	99	7	7	8	10M	10M	10M	9M
4)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-
5)	9M	10M	5M	6M	7M	4M	5M	4M	5M	11M	19M	21M	33	99	99	99	99	99	99	12	6M	7M	5M	6M	16M
5)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1			-	-	-	-	
6)	16M	5M	5M	5M	7M	4M	9M	4M	5M	9M	10M	15	26	99	99	99	99	26	22	6M	6M	7M	6M	6M	5M
6)		-	-	-	-			-	-	1	1	1	1	1	1	1	1			-	-	-	-	-	-
7)	5M	3M	4M	5M	5M	4M	7M	6M	6M	12M	19M	21M	30M	99	99	99	99	99	7M	10M	5M	5M	6M	8M	9M
7)	-	-	-			-	-	-		1	1	1	1	1	1	1	1	1	-					-	-
8)	9M	8M	9M	9M	11M	12M	10M	5M	13M	12M	30M	24M	20M	27M	99	99	99	99	99	99	5	7	5M	6M	8M
8)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1			-	-	-	-	-
9)	8M	4M	5M	5M	5M	5M	9M	7M	6M	10M	14M	20M	25	35	50	99	99	99	6	5	6M	9M	10M	10M	5M
9)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-
10)	5M	3M	8M	10M	11M	6M	6M	8M	9M	12M	0M	0M	0M	0	8M	43	42	35	0	15M	10M	12M	7M	10M	5M
10)						-	-				Q	Q	Q	Q		1	1		Q	-	-	-	-	-	-
11)	5M	5M	5M	5M	6M	6M	9M	7M	22M	22M	22M	20M	22M	30	25	18	5	7	4	6M	9M	8M	9M	10M	9M
11)	-	-	-	-	-	-	-	-			1	1	1	1	1	1	-	-	-	-	-	-	-	-	-
12)	9M	7M	24	21	18	17	16	19	22	18	30	32	99	99	99	99	99	99	99	99	7	7	7M	7M	5M
12)	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			-	-	-	-	-
13)	5M	7M	6M	5M	10M	4M	6M	10M	13M	10M	13M	19M	25M	34	40	99	99	99	99	99	99	5	7M	9M	9M
13)	-	-	-	-	-			-	1	1	1	1	1	1	1	1	1	1				-	-	-	-
14)	9M	10M	8M	10M	10M	5M	5M	6M	5M	13M	12M	46M	20	20	19	21	99	9M	8M	11M	10M	11M	12M	13M	13M
14)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1		-	-	-	-	-	-	-
15)	13M	16M	16M	5M	5M	5M	6M	5M	5M	5M	20M	15M	15M	21M	21	18	11	6	6M	7M	8M	9M	8M	10M	9M
15)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1			-	-	-	-	-	-	-
16)	9M	9M	11M	10M	9M	9M	10M	10M	7M	5M	14M	18M	34	36	99	99	99	99	99	99	5M	6M	6M	5M	7M
16)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1				-	-	-	-	-
17)	7M	9M	10M	11M	5M	9M	7M	5M	4M	5M	17	41	46	99	99	99	99	99	99	99	7M	9M	9M	8M	7M
17)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1			-	-	-	-	-
18)	7M	9M	12M	10M	10M	5M	6M	8M	5M	15M	15M	26M	36	99	18	13	15	27	28	26	6M	8M	8M	10M	9M
18)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1								
19)	9M	11M	9M	11M	8M	8M	4M	5M	4M	5M	11M	26	27	27	99	99	99	99	8M	7M	8M	7M	7M	8M	9M
19)					-	-	-	-	-	-	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-
20)	9M	9M	10M	10M	9M	9M	8M	7M	7M	9M	28	99	99	99	99	99	99	9M	7M	6M	8M	7M	8M	8M	9M
20)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-
21)	9M	9M	9M	5M	8M	7M	6M	7M	9M	8M	9M	17M	33M	37	32	29	15	9	10	10	11	10	10	9M	8M
21)	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	-	-	-	-	-	-	-	-
22)	8M	13	14	6M	7M	8M	7M	7M	7M	7M	30	53	50	60	37	30	35	29	9M	7M	13M	15M	14M	11M	9M
22)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1			-	-	-	-	-
23)	9M	8M	7M	7M	7M	10M	10M	9M	6M	6M	28M	38M	55	61	59	57	32	30	5M	9M	9M	10M	10M	6M	9M
23)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-
24)	9M	7M	7M	8M	7M	8M	9M	8M	6M	7M	21M	30M	64	40	99	99	99	99	48	42	57	40	25M	22M	66
24)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25)	66	48	69	47	32	12M	12M	12M	13M	47	43	35	99	99	99	99	99	99	99	10M	11M	99	99	99	99
25)	1	1	1	1	1	-	-	-	-	1	1	1	1	1	1	1	1	1		-	-	1	1	1	1
26)	99	99	99	50	47	54	32	33	22	28	99	99	99	99	99	99	99	99	99	21	31	20	13	7M	6M
26)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					-	-
27)	67	8M	22	21M	20	23	22	22	22	23	27	37	99	99	99	99	99	99	99	99	7	8	8	8M	9M
27)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1			-	-	-	-	-
28)	9M	9M	5M	10M	10M	11M	9M	9M	10M	11M	11M	29	29	26	99	99	99	99	6	7	10M	10M	11M	11M	10M
28)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1		-	-	-	-	-	-	-
29)	10M	12M	11M	12M	10M	10M	8M	7M	8M	8M	18M	25M	33	41	32	24	29	9M	10M	10M	8M	9M	10M	11M	11M
29)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-
30)	11M	12M	10M	10M	10M	12M	12M	10M	10M	9M	33M	49	30M	33	99	99	29	8M	9M	9M	10M	9M	8M	10M	10M
30)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-
31)	10M	10M	10M	7M	6M	7M	8M	9M	10M	11M	18M	28	38	99	99	99	7M	6M	5M	5M	6M	7M	8M	7M	7M
31)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 3, ANTIOCH UTMX=608, UTMY=4207, SODAR HT= 15 M ASL

NOVEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	7M	7M	7M	5M	8M	7M	6M	6M	8M	9M	10M	20	26	32	99	99	99	99	99	43	6M	6M	7M	9M	8M
1)	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1				-	-	-	-	-
2)	8M	6M	7M	6M	8M	8M	7M	7M	8M	10M	11M	10	19	27	34	99	99	99	6M	5M	5M	5M	5M	6M	6M
2)	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	-	-	-	-	-	-	-
3)	6M	6M	7M	7M	9M	10M	9M	9M	7M	7M	12M	20M	27M	35	40	99	0	0	0	0	0	0	0	0	0
3)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	X	X	X	X	X	X	X	X	X
/	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

SITE 4, LIVERMORE UTMX=616, UTMY=4171, SODAR HT=186 M ASL

AUGUST 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
16)	0	0	0	0	0	0	0	0	0	0	99	99	99	99	99	99	99	99	99	99	99	40	37	21M	10M
16)	X	X	X	X	X	X	X	X	X	X	1	1	1	1	1	1	1	1	1	1					
17)	10M	8M	8M	7M	6M	9M	10M	9M	9M	13M	25M	35M	33M	99	99	37	35	36	11	23	19	18M	11M	5M	10M
17)			-	-						1	1	1	1	1	1	1									
18)	10M	10M	16M	18M	14M	7M	7M	5M	6M	9M	10M	9M	23M	27M	31M	27M	0	20M	15M	14M	0	0	10M	11M	20M
18)											1	1	1	1	1	1	Q	1			Q	Q			
19)	20M	20M	16M	5M	7M	0	0	21M	17M	10M	27M	57	99	99	99	99	99	99	45	7M	12M	16M	10M	7M	5M
19)						Q	Q				1	1	1	1	1	1	1	1							
20)	5M	6M	6M	8M	4M	5M	7M	7M	7M	11M	29M	41	99	99	99	99	99	20M	17M	11M	9M	8M	8M	9M	8M
20)								-	1	1	1	1	1	1	1	1	1	1	1						
21)	8M	6M	7M	7M	10M	10M	5M	36M	40M	38M	44M	55	56M	99	99	99	99	99	21M	12M	14M	8M	10M	11M	16M
21)									1	1	1	1	1	1	1	1	1	1	1						
22)	16M	16M	20M	12M	22M	23M	10M	7M	19M	20M	36M	37M	56	99	99	99	99	99	99	29	13M	9M	4M	5M	5M
22)											1	1	1	1	1	1	1	1	1	1			-	-	
23)	5M	5M	8M	7M	5M	5M	5M	6M	7M	16M	29M	40M	99	99	99	99	99	99	39	17M	20M	22M	6M	8M	5M
23)		-			-					1	1	1	1	1	1	1	1	1	1	1					-
24)	5M	11M	6M	9M	4M	6M	6M	5M	15M	20M	25	31	38	99	99	99	99	99	35	21	9M	6M	10M	10M	10M
24)	-				-	-	-	-	1	1	1	1	1	1	1	1	1	1	1					-	-
25)	10M	10M	13M	19M	30M	30M	27M	30M	23M	20M	22M	50	62	70	70	99	99	40	27	30	9M	8M	9M	8M	5M
25)	-								1	1	1	1	1	1	1	1	1	1		1					-
26)	5M	5M	6M	6M	4M	4M	4M	7M	8M	9M	13M	55	99	99	99	99	99	99	13	10M	10M	7M	8M	5M	6M
26)	-	-	-		-	-	-		1	1	1	1	1	1	1	1	1	1	1						
27)	6M	5M	5M	8M	5M	-5M	12	13	5M	9M	9M	99	99	99	99	99	99	99	22	12	21	4M	4M	5M	10M
27)					-				-	1	1	1	1	1	1	1	1	1	1			-	-	-	-
28)	10M	4M	5M	5M	5M	6M	4M	4M	4M	11M	20M	21	99	99	99	99	99	99	99	15	6M	5M	6M	4M	5M
28)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1					-	-
29)	5M	4M	6M	4M	5M	6M	7M	8M	11M	14M	15M	20M	56	52	99	99	99	99	99	11	0	0	0	0	0
29)	-	-	-	-				1	1	1	1	1	1	1	1	1	1	1	1		X	X	X	X	X
30)	0	0	0	0	0	0	0	0	0	0	0	99	99	99	99	99	99	99	0	0	0	0	0	0	0
30)	X	X	X	X	X	X	X	X	X	X	X	1	1	1	1	1	1	1	X	X	X	X	X	X	X
31)	0	0	0	0	0	0	0	5M	4M	10M	15M	30	37	99	99	0	0	0	0	0	0	0	0	0	0
31)	X	X	X	X	X	X	X	-	-	1	1	1	1	1	1	X	X	X	X	X	X	X	X	X	X
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 4, LIVERMORE UTMX=616, UTMY=4171, SODAR HT=186 M ASL

SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	0	0	0	0	0	0	0	0	0	0	0	0	0	21M	25M	21	40	23	15M	8M	5M	6M	7M	6M	4M
1)	X	X	X	X	X	X	X	X	X	X	X	X	X	1	1	1	1	1							
2)	4M	5M	7M	5M	4M	9M	4M	5M	9M	20M	20M	23M	27M	42	56	99	99	99	14	10M	7M	7M	10M	7M	7M
2)		-			-				1	1	1	1	1	1	1	1	1	1	1						
3)	7M	6M	8M	8M	15M	14M	15M	24M	27M	28M	31M	31M	31	35	37	37	40	40	39	23	14M	11M	4M	5M	5M
3)									1	1	1	1	1	1	1	1	1	1	1	1					
4)	5M	5M	5M	5M	5M	17M	20M	16M	12M	12M	14M	20M	29M	39	44	42	19	99	99	99	8M	5M	5M	6M	5M
4)										1	1	1	1	1	1	1	1	1	1						
5)	5M	7M	5M	5M	5M	5M	6M	5M	8M	13M	20M	24M	30	41	48	50	99	99	40	21M	10M	6M	8M	11M	12M
5)										1	1	1	1	1	1	1	1	1	1						
6)	12M	12M	10M	6M	5M	7M	5M	8M	12M	21M	34M	39M	52M	47	99	99	99	99	50	47	9M	6M	5M	6M	6M
6)										1	1	1	1	1	1	1	1	1	1						
7)	6M	7M	5M	6M	10M	9M	6M	0	36	30	30	99	99	99	99	99	99	99	99	99	5M	6M	5M	3M	4M
7)							-	Q		1	1	1	1	1	1	1	1	1	1		-		-	-	-
8)	4M	5M	4M	3M	4M	5M	0	0	40	40	35	99	99	99	99	99	99	99	99	99	99	5M	5M	7M	5
8)	-	-	-	-	-	-	Q	Q		1	1	1	1	1	1	1	1	1				-	-	-	
9)	5M	6M	5M	5M	4M	4M	4M	5M	5M	8M	10	99	99	99	99	99	99	99	20	10M	8M	5M	5M	7M	5M
9)				-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1		-				
10)	5M	7M	6M	6M	6M	6M	6M	6M	7M	9M	12M	20M	27	25	99	99	99	99	17	12	10M	6M	6M	0	0
10)				-	-	-			-	1	1	1	1	1	1	1	1	1	1		-			Q	Q
11)	0	6M	12M	14M	7M	17M	10M	16M	15M	27M	0	0	99	99	99	99	99	99	0	20	8M	9M	20M	14M	10M
11)	Q										Q	Q	1	1	1	1	1	1	1	1					
12)	10M	12M	12M	11M	11M	12M	10M	13M	30M	35M	40M	55M	78	76	86	99	99	99	99	19	8M	5M	-4M	8M	5M
12)									1	1	1	1	1	1	1	1	1	1	1						
13)	5M	5M	6M	4M	5M	7M	7M	6M	7M	17M	20M	31	50	99	99	99	99	99	99	12M	8M	7M	7M	6M	9M
13)		-			-				-	1	1	1	1	1	1	1	1	1	1		-		-		
14)	9M	4M	10M	5M	5M	3M	4M	7M	10M	11M	16M	44	58	60	53	58	38	20	13M	12M	23M	18M	24M	20M	19M
14)		-		-		-	-	-		1	1	1	1	1	1	1	1	1							
15)	19M	15M	23M	15M	10M	12M	10M	8M	26M	33M	40M	57	82	99	99	99	99	99	99	13	15	10	7	9M	7M
15)								-		1	1	1	1	1	1	1	1	1	1					-	-
16)	7M	5M	5M	4M	4M	5M	11M	10M	14M	30M	42M	99	99	99	99	99	99	99	99	21	12	13M	9M	7M	10M
16)	-	-	-	-	-	-				1	1	1	1	1	1	1	1	1	1						
17)	10M	7M	7M	8M	9M	10M	5M	7M	0	30M	43	48	57	99	99	99	99	99	21	14	19	6M	7M	9M	5M
17)		-	-	-			-		Q	1	1	1	1	1	1	1	1	1	1				-		-
18)	5M	6M	8M	4M	3M	6M	7M	5M	11M	15M	20M	23M	29	99	99	99	99	99	99	8M	4M	6M	6	5M	6M
18)	-			-	-	-		-		1	1	1	1	1	1	1	1	1	1			-		-	-
19)	6M	5	6M	10M	17M	17M	23M	29M	28M	29M	30M	36M	41	43	55	50	39	30M	10M	9M	9M	14M	30M	10M	50M
19)	-		-							1	1	1	1	1	1	1	1	1	1						
20)	50M	56M	58M	59M	60M	60M	60M	59	58	48	60	65	71	99	56	45	42M	32M	10M	17M	10M	9M	13M	9M	3M
20)									1	1	1	1	1	1	1	1	1	1	1						-
21)	3M	3M	29M	29M	36M	32M	32M	33M	34M	30M	30M	28M	37	47	99	99	51	33	27	19	7M	9M	10M	11M	15M
21)	-	-								1	1	1	1	1	1	1	1	1	1				-		
22)	15M	10M	16M	7M	5M	12M	10M	17M	28M	30M	28M	27M	40	47	99	99	44	38	17M	10M	8M	7M	8M	15M	10M
22)										1	1	1	1	1	1	1	1	1	1						
23)	10M	10M	6M	11M	5M	11M	7M	10M	8M	13M	19M	30M	40	99	99	99	99	99	99	22	10M	5M	6M	6M	9M
23)					-		-		-	1	1	1	1	1	1	1	1	1	1				-	-	
24)	9M	5M	8M	11M	4M	10M	8M	8M	17M	24M	29M	30M	40M	41	53	58	99	99	17M	19M	9M	5M	7M	7M	6M
24)		-						-	1	1	1	1	1	1	1	1	1	1	1			-			
25)	6M	6M	10M	13M	20M	19M	20M	47M	43M	41M	42M	46M	51M	51M	50M	58M	59M	50M	20M	10M	11M	5M	21M	10M	9M
25)		-								1	1	1	1	1	1	1	1	1	1						
26)	9M	7M	10M	52M	49M	52M	54M	66M	75M	73	72	72	75	99	99	99	99	99	64	47M	32M	5M	19M	5M	5M
26)										1	1	1	1	1	1	1	1	1	1					-	-
27)	5M	13M	8M	6M	13M	7M	8M	10M	13M	18M	50	99	99	99	99	99	99	99	99	43M	36M	31M	18M	15M	23M
27)	-		-			-	-	-	1	1	1	1	1	1	1	1	1								
28)	23M	23M	7M	4M	0	7M	17M	12M	12M	23M	40M	0	0	0	0	0	10M	11M	12M	20	0	0	0	0	5M
28)				-	Q					1	1	Q	Q	Q	Q	Q					Q	Q	Q	Q	-
29)	5M	8M	7M	10M	10M	8M	8M	10M	25	21M	13M	17	23M	27	99	99	99	99	33	26	20	23M	7M	19M	12M
29)	-	-	-		-					1		1	1	1	1	1	1	1	1	1	1	1	-	1	1
30)	12M	9M	23M	40	11M	12M	5M	6M	9M	12M	23M	35	42	48	99	99	99	47	19	21	20	10M	6M	11M	7M
30)	1					1						1	1	1	1	1	1	1							-
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 4, LIVERMORE UTMX=616, UTMY=4171, SODAR HT=186 M ASL

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	7M	8M	7M	8M	8M	7M	8M	9M	0	0	0	25M	27M	27M	32M	24M	99	99	30	14	0	16M	15M	26M	17M
1)	-	-	-	-	-	-	-		Q	Q	Q			1	1	1	1	1			Q				
2)	17M	0	15M	23M	19M	10M	9M	10M	10	20	99	99	99	99	99	99	99	99	40	30	24M	14M	29M	29M	9M
2)		Q				-	-	-	-		1	1	1	1	1	1	1	1							-
3)	9M	5M	5M	11M	6M	5M	6M	4M	10M	27	50	55	57	67	99	99	99	99	99	8M	5M	5M	8M	7M	6M
3)	-	-	-			-	-	-			1	1	1	1	1	1	1	1						-	
4)	6M	8M	6M	4M	4M	8M	5M	9M	5M	11M	12M	41	99	99	99	99	99	99	99	19	16M	5M	5M	5M	5M
4)			-	-	-		-		-	1	1	1	1	1	1	1	1	1	1			-	-	-	
5)	5M	5M	6M	8M	4M	7M	5M	8M	9M	8M	9M	40	42	48	99	99	99	99	99	99	6	8	10	9M	5M
5)										1	1	1	1	1	1	1	1	1							-
6)	5M	7M	3M	3M	4M	12M	7M	6M	5M	8M	13M	20	38	25	40	41	42	42	44	6M	5M	5M	7M	6M	6M
6)	-		-	-	-					-		1	1	1	1	1	1	1	1	-	-	-			
7)	6M	5M	5M	6M	8M	5M	6M	8M	8M	7M	10M	17M	44	51	47	99	99	99	15	7M	7M	7M	12M	9M	12M
7)		-	-			-	-		-	-	1	1	1	1	1	1	1	1			-				
8)	12M	4M	9M	8M	9M	5M	6M	4M	6M	7M	11M	18M	23M	51	99	99	99	99	99	99	7M	5M	4M	11M	5M
8)		-				-	-	-	-	-	1	1	1	1	1	1	1	1				-	-	-	
9)	5M	5M	6M	5M	6M	4M	4M	4M	5M	7M	11M	17M	41	44	43	99	99	99	99	7M	7M	6M	4M	4M	4M
9)				-	-	-	-	-	-		1	1	1	1	1	1	1	1					-		
10)	4M	4M	3M	6M	7M	8M	19M	20M	21M	21M	27M	28M	28M	30M	39M	40M	40	41	11M	18M	8M	9M	13M	0	18M
10)		-	-							1	1	1	1	1	1	1	1	1						Q	
11)	18M	10M	6M	5M	5M	5M	12M	12M	13M	10M	6M	59	55	68	99	99	99	99	12	7M	6M	5M	9M	7M	99
11)				-	-	-				1	1	1	1	1	1	1	1	1		-	-	-	-	-	1
12)	99	44M	32M	40M	49M	33M	40M	12M	32M	26M	40	34	32	99	99	99	99	99	99	99	5	5M	4M	5M	7M
12)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	-	-	-	-	-
13)	7M	5M	4M	5M	4M	5M	5M	5M	4M	9M	10M	23	99	99	99	99	99	99	99	8	5M	4M	4M	4M	5M
13)	-				-	-	-			1	1	1	1	1	1	1	1	1		-	-	-	-	-	
14)	5M	6M	5M	6M	6M	5M	5M	6M	10M	10M	8M	2133	99	99	99	99	99	99	20	9M	8M	10M	10M	8M	10M
14)											1	1	1	1	1	1	1	1							
15)	10M	13M	7M	5M	5M	4M	5M	4M	4M	15M	13M	13M	18M	22	99	99	99	99	99	99	4M	6M	4M	5M	5M
15)			-	-	-	-	-	-	-		1	1	1	1	1	1	1	1			-	-	-	-	
16)	5M	5M	8M	9M	10M	8M	7M	6M	9M	10M	10M	13M	24	99	99	99	99	99	99	8	7M	7M	8M	5M	6M
16)							-				1	1	1	1	1	1	1	1		-	-				-
17)	6M	6M	7M	7M	5M	7M	7M	5M	5M	6M	8M	8M	99	99	99	99	99	99	99	7M	5M	6M	6M	5M	5M
17)	-	-		-	-	-		-	-			1	1	1	1	1	1	1			-	-	-		-
18)	5M	5M	8M	6M	6M	6M	5M	6M	20M	23M	30M	29M	29M	37M	45	48	56	40	10M	10M	11M	9M	10M	9M	8M
18)	-	-			-		-	-			1	1	1	1	1	1	1	1							
19)	8M	7M	7M	10M	30M	30M	31M	30M	27M	23M	20M	20M	20M	32	41	46	99	99	9	7M	6M	13M	19M	5M	5M
19)		-	-							1	1	1	1	1	1	1	1	1			-			-	-
20)	5M	7M	6M	9M	10M	5M	11M	9M	4M	8M	5M	99	99	99	99	99	99	99	99	0	0	10M	7M	9M	9M
20)	-		-			-						1	1	1	1	1	1				Q		-		
21)	9M	5M	5M	5M	5M	5M	5M	5M	9M	0	0	0	0	0	0	0	99	99	7M	7M	5M	7M	6M	8M	10M
21)		-	-	-	-	-	-			X	X	X	X	X	X	X	1				-	-	-		
22)	10M	10M	6M	6M	0M	0	43M	45M	45M	48M	51	49	50M	55M	51M	51M	55M	48M	10M	13M	13M	15M	0M	0M	0M
22)			-	-	Q	Q				1	1	1	1	1	1	1	1	1					Q	Q	Q
23)	0M	0M	0M	0M	0M	0M	0M	0M	0M	37M	37M	39M	42	53	52	68	45	30	8M	0M	0M	6M	0M	0M	30M
23)	Q	Q	Q	Q	Q	Q	Q	Q	Q	1	1	1	1	1	1	1	1	1							
24)	30M	31M	41M	43M	43M	47M	48	48	51	51	50	49	50	54	43	99	99	99	0M	19M	34M	30M	63	22M	15M
24)										1	1	1	1	1	1	1	1	1							
25)	15M	14M	10M	12M	9M	6M	63	53M	38M	25M	35M	68	85	70	99	99	99	99	99	10	5M	5M	7M	10M	0M
25)										1	1	1	1	1	1	1	1				-	-			
26)	0M	0M	0M	0M	31	30	38	31	29	40	56	50	99	99	99	99	99	99	99	99	99	99	40	35	0M
26)											1	1	1	1	1	1	1		1	1	1	1	1		
27)	0M	5M	4M	5M	5M	6M	0M	6M	11M	21M	99	99	99	99	99	99	99	99	99	5M	5M	8M	5M	8M	5M
27)			-	-	-	-		-			1	1	1	1	1	1	1			-			-	-	-
28)	5M	7M	7M	5M	4M	7M	7M	5M	6M	6M	11M	18M	27	99	99	99	99	99	8M	0M	4M	0M	0M	0M	10M
28)	-								-	-	1	1	1	1	1	1	1				-				
29)	10M	10M	5M	5M	5M	5M	5M	5M	6M	8M	11M	22M	28M	34	47	38	99	24	7M	5M	5M	0M	9M	6M	4M
29)			-		-	-	-	-	-	1	1	1	1	1	1	1	1			-	-				-
30)	4M	6M	6M	4M	4M	8M	10M	4M	6M	41M	30M	30M	35	99	99	99	99	99	8M	12M	11M	7M	6M	8M	8M
30)	-		-	-	-	-					1	1	1	1	1	1	1								-
31)	8M	6M	0M	7M	0M	12M	8M	0M	8M	7M	13M	20	99	99	99	99	99	99	99	5M	7M	7M	3M	0M	0M
31)	-			-			-		-	-	1	1	1	1	1	1	1	1		-	-				
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 4, LIVERMORE UTMX=616, UTMY=4171, SODAR HT=186 M ASL

NOVEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	0M	9M	5M	4M	7M	5M	7M	8M	5M	4M	25	29M	38	40	43	41	35	32	0	4M	4M	7M	9M	8M	15M
1)			-	-		-						1	1	1	1	1	1	1		-	-		-	-	-
2)	15M	14M	18M	12M	15M	22M	24M	22M	10M	6M	5M	32	21	12	12	23	19M	15M	8M	12M	11M	6M	7M	7M	5M
2)	-	-	-	-	-	-	-	-	-				1	1	1	1	1		-			-	-	-	
/	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

SITE 5, MORGN HILL UTMX=621, UTMY=4108, SODAR HT= 98 M ASL

AUGUST 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
12)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	34	30	24	22	22M	24M	10M	20M	21M
12)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	1	1	1						
13)	21M	5M	4M	5M	32M	7M	5M	10M	23M	20M	99	99	99	99	99	99	99	45	31	10	15	30	38	34	
13)		-	-	-		-			1	1	1	1	1	1	1	1	1	1	1	1					
14)	34	10M	10M	12M	9M	7M	13M	20M	18M	25	31	35	99	99	99	29	20	99	99	99	0	0	0	0	0
14)			-							1	1	1	1	1	1	1	1	1	1		Q	Q	Q	Q	Q
15)	0	7	6	8	10M	10M	10M	8	21	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	8
15)	Q				-				1	1	1	1	1	1	1	1	1	1	1	1					-
16)	8	5M	6M	5M	5M	5M	6M	6M	8M	17	32	99	99	99	99	99	99	99	99	99	99	99	4M	4M	5M
16)	-	-	-	-		-	-			1	1	1	1	1	1	1	1	1	1				-		
17)	5M	6M	9M	10M	10M	9M	5M	6M	7M	20	32	99	99	99	99	99	99	99	0	0	11	17	18	5M	5M
17)							-				1	1	1	1	1	1	1	1	Q	Q					
18)	5M	11M	18M	11M	26M	6M	8M	7M	9M	18	25	23	34	99	99	99	99	0	16	14	10M	10M	0	10M	9M
18)								-			1	1	1	1	1	1	1	Q					Q		
19)	9M	11M	16	10	5M	6M	13M	10M	20M	14M	18M	19M	0	22	32	28	99	99	99	99	22	6M	5M	5M	6M
19)													Q	1	1	1	1	1	1				-	-	-
20)	6M	6M	4M	4M	5M	5M	5M	6M	5M	14	18	24	99	99	99	10	35	41	43	9M	8M	9M	7M	10M	10M
20)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1		1								
21)	10M	11M	9M	12M	12M	11M	21M	24M	18M	25M	25M	99	99	99	99	99	99	99	15	10	11	5	7M	7M	10M
21)									1	1	1	1	1	1	1	1	1	1					-		
22)	10M	9M	11M	10M	6M	11M	9M	10M	10M	16M	24	27	99	99	99	99	99	99	99	99	99	99	5	4M	5M
22)					-					1	1	1	1	1	1	1	1	1	1	1			-	-	-
23)	5M	6M	4M	4M	5M	7M	5M	5M	4M	19M	23M	28	99	99	99	99	99	99	99	99	99	16M	15M	20M	5M
23)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1						-
24)	5M	6M	10M	5M	5M	7M	5M	4M	10M	12M	12M	28M	7M	0	20	20	11	99	99	30	24M	25M	27M	27M	15M
24)	-			-			-	-		1	1	1		Q	1	1	1	1	1						
25)	15M	7M	4M	39	45	44	35M	29M	21M	23M	32M	99	99	99	99	99	99	99	99	35	12	16M	18M	15M	6M
25)			-							1	1	1	1	1	1	1	1	1	1	1					-
26)	6M	6M	7M	7M	6M	7M	6M	6M	8M	29M	27M	27M	29	35	99	99	99	99	99	23M	9M	8M	10M	7M	10M
26)	-	-	-	-						1	1	1	1	1	1	1	1	1	1			-	-		
27)	10M	5M	6M	5M	6M	6M	8M	6M	6M	9M	14M	20	29	99	99	99	99	99	99	99	10	7M	7M	5M	4M
27)		-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1			-	-	-	-
28)	4M	4M	5M	5M	6M	5M	4M	4M	6M	10M	13M	16M	28	35	99	99	99	99	5M	9M	8M	7M	7M	16M	5M
28)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1							
29)	5M	6M	4M	4M	4M	4M	4M	5M	7M	11M	13M	11M	14M	18M	16M	22M	22	22	27	39	5	7M	7M	9M	8M
29)				-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1						
30)	8M	8M	8M	4M	5M	5M	9M	11M	6M	12M	18M	20M	15M	17	20M	22	23	18	18	32	10	9M	5M	5M	5M
30)				-						1	1	1	1	1	1	1	1	1					-	-	-
31)	5M	7M	5M	5M	4M	6M	7M	5M	7M	10M	14	15	16	20	18	99	99	99	99	99	17	17	4M	5M	4M
31)	-	-	-	-	-	-	-	-			1	1	1	1	1	1	1	1					-	-	
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 5, MORGN HILL UTMX=621, UTMY=4108, SODAR HT= 98 M ASL

SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	4M	7M	10M	10M	6M	9M	16M	20M	23M	26M	11M	13M	13M	10M	15	18	20	23	27	23	15M	17M	11M	7M	4M
1)					-					1	1	1	1	1	1	1	1	1	1						-
2)	4M	5M	9M	5M	6M	16M	24M	28M	29M	30M	27M	23M	21M	21M	31	35	99	20	9M	9M	10M	10M	10M	13M	16M
2)	-								1	1	1	1	1	1	1	1	1	1							
3)	16M	11M	14M	3M	3M	3M	4M	4M	30M	30M	24M	27M	30M	32M	50	60	99	99	10	10	12M	10M	7M	5M	8M
3)				-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1						
4)	8M	5M	12M	17M	17M	18M	12M	20M	7M	13M	17M	16M	18M	23M	43	47	24	18	13	9M	10M	9M	8M	6M	5M
4)									1	1	1	1	1	1	1	1	1	1							
5)	5M	5M	12M	9M	10M	7M	10M	9M	7M	21M	21M	26M	30	40	52	47	43	13M	13M	10M	10M	13M	13M	8M	20M
5)										1	1	1	1	1	1	1	1	1	1						
6)	20M	30M	32M	32M	29M	33M	37M	37	38	39	36	37	36	40	46	44	36	26	15	12M	12M	12M	8M	7M	9M
6)										1	1	1	1	1	1	1	1	1	1						
7)	9M	8M	6M	5M	5M	10M	9M	6M	6M	12M	20M	38	99	99	99	99	99	99	99	99	99	8M	5M	4M	6M
7)			-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1			-		-	-
8)	6M	5M	4M	5M	5M	4M	5M	5M	4M	9	10	99	99	99	99	99	99	99	99	99	99	7M	4M	5M	5M
8)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1					-	-	-
9)	5M	6M	7M	4M	5M	4M	3M	5M	5M	8	11	20	30	99	99	99	16	19	32	21	6M	12M	12M	5M	4M
9)	-	-	-	-		-	-	-	-	1	1	1	1	1	1	1	1	1	1						
10)	4M	0	5M	6M	16M	5M	8M	7M	19M	12M	10M	6M	8M	23	21	22	18	22	19	13M	11	10M	7M	6M	7M
10)		Q		-											1	1									
11)	7M	9M	7M	10M	7M	8M	22M	8M	8M	20M	40	99	99	99	99	99	99	99	99	99	99	99	99	36	18M
11)		-	-					-			1	1	1	1	1	1	1	1	1						
12)	18M	12M	14	18	18	18M	16M	17M	19M	19	99	99	99	99	99	99	99	99	36	31	33	42	13M	10M	19M
12)										1	1	1	1	1	1	1	1	1	1						
13)	19M	6M	6M	5M	4M	6M	7M	5M	6M	20M	33	27	99	99	99	99	99	99	99	99	99	19M	20M	7M	6M
13)		-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1					-	-
14)	6M	6M	5M	4M	6M	6M	5M	5M	6M	12M	24M	38M	51	99	99	99	99	99	99	99	99	25	36	7M	10M
14)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1						
15)	10M	7M	8M	10M	7M	10M	6M	6M	99	99	99	99	99	99	99	99	99	99	99	99	99	18	27	0	0
15)			-		-		-	-		1	1	1	1	1	1	1	1	1	1					Q	Q
16)	0	6	9	11	14	9M	10M	10M	19M	43	99	99	99	99	99	99	99	99	99	9	6M	7M	9M	10M	9M
16)									1	1	1	1	1	1	1	1	1	1	1					-	
17)	9M	10M	9M	18M	10M	62	60	7M	60	55	53	53	99	99	99	99	99	99	99	99	99	11	10M	7M	6M
17)								-	1	1	1	1	1	1	1	1	1	1	1					-	
18)	6M	8M	8M	9M	4M	4M	4M	5M	5M	10M	19M	30	38	99	99	99	99	99	99	99	9M	4M	8M	6M	4M
18)					-	-	-	-	-	1	1	1	1	1	1	1	1	1	1		-		-	-	-
19)	4M	4M	4M	5M	30M	28	30	31	29	30	25	30	48	65	32	18	18	19	20	22M	30M	10M	8M	5M	5M
19)	-	-	-	-					1	1	1	1	1	1	1	1	1	1				-	-		
20)	5M	60	59	58	58	61	63	66	57	57	54	55	99	32	37	38	38	41	40	30	34	38M	15M	17M	6M
20)										1	1	1	1	1	1	1	1	1	1						-
21)	6M	7M	7M	33M	37M	41	46	50	42	40	37	30	32	27	99	99	99	32	24	17	13M	20M	20M	11M	6M
21)	-	-	-							1	1	1	1	1	1	1	1	1	1						
22)	6M	6M	4M	4M	6M	5M	27M	30M	33M	32M	28M	23	27	27	25	99	99	99	26	41	23M	17M	15M	9M	8M
22)			-	-	-	-				1	1	1	1	1	1	1	1	1	1					-	-
23)	8M	5M	5M	5M	6M	6M	7M	7M	8M	5M	19M	25M	21	99	99	99	99	99	99	17	25	5M	8M	8M	9M
23)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1							
24)	9M	6M	7M	7M	6M	8M	31M	33M	33M	30M	30M	28M	33	37	42	52	33	21	20	9M	11M	10M	10M	15M	7M
24)					-					1	1	1	1	1	1	1	1	1	1						-
25)	7M	7M	7M	17M	24M	29M	10M	8M	11M	50	52	47	40	43	99	99	99	99	33	36	33	42	42	42	39M
25)	-	-	-				-			1	1	1	1	1	1	1	1	1	1						
26)	39M	42M	5M	4M	6M	56	55	45	27	42	41	99	99	99	99	99	99	99	99	0	16	22	5M	5M	7M
26)			-	-						1	1	1	1	1	1	1	1	1		Q			-	-	
27)	7M	5M	5M	5M	5M	4M	5M	9M	9M	14	99	99	99	99	99	99	99	99	99	49	34	10	11M	0	0
27)		-	-	-	-	-	-		1	1	1	1	1	1	1	1	1	1						Q	Q
28)	0	0	25	14	4M	3M	3M	4M	6M	9M	0	0	0	0	11	9M	7M	10M	0	0	0	0	0	9M	9M
28)	Q	Q			-	-	-	-	-		X	X	X	X					X	X	X	X	X		
29)	9M	7M	0	0	0	10M	8M	0	8M	6M	8M	11M	12M	12M	12M	10M	0	0	7	5M	7M	6M	5M	7M	7M
29)			X	X	X	-	-	X			-						X	X	-	-	-	-	-	-	-
30)	7M	5M	6M	8M	6M	5M	8M	10	8M	8	10	21	30	99	99	99	99	99	99	12	4	4	4	4	5M
30)	-	-	-	-	-	-					1	1	1	1	1	1					-	-	-	-	-
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 5, MORGN HILL UTMX=621, UTMY=4108, SODAR HT= 98 M ASL

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	5M	5M	6M	5M	6M	7M	6M	7M	6M	12M	30M	40M	99	99	99	99	99	99	99	5M	7M	11M	5M	7M	7M
1)	-	-	-	-	-	-	-	-	-		1	1	1	1	1	1	1	1		-			-	-	-
2)	7M	5M	9M	7M	10M	9M	9M	9M	10M	18M	23M	29	34	99	99	99	99	99	19	38	49	52	52	40	5M
2)	-	-								1	1	1	1	1	1	1	1	1							-
3)	5M	6M	4M	4M	4M	7M	7M	7M	10M	42M	32M	27M	27M	40	99	99	99	99	99	99	0	0	0	0	0
3)	-	-	-	-	-	-	-	-			1	1	1	1	1	1	1	1			X	X	X	X	X
4)	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
4)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5)	0	0	0	0	0	0	0	0	0	7M	8M	19M	13	23	25	29	99	99	99	8	5M	4M	5M	6M	6M
5)	X	X	X	X	X	X	X	X	X	-	-	1	1	1	1	1	1					-	-	-	
6)	6M	4M	5M	6M	7M	7M	5M	6M	5M	4M	11M	14M	14M	20M	99	99	99	99	99	5M	7M	7M	8M	7M	5M
6)		-	-	-	-	-	-	-	-	-	1	1	1	1	1	1				-					
7)	5M	5M	8M	6M	5M	6M	5M	6M	5M	5M	11M	19M	25M	25	20	21	20	19	21M	18M	22M	26M	21M	17M	10M
7)		-		-	-	-	-	-	-	-	1	1	1	1	1	1	1	1							
8)	10M	5M	5M	4M	5M	7M	5M	3M	3M	15M	13M	18M	20M	18	17	19	19	20	23	5M	7M	8M	8M	5	3M
8)		-	-	-	-	-		-	-	1	1	1	1	1	1	1	1			-	-	-	-	-	-
9)	3M	4M	4M	5M	7M	6M	7M	5M	4M	7M	10M	12M	12M	17M	19M	19	19	19	23	16M	15M	6M	6M	6M	8M
9)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1					-			
10)	8M	17M	12M	16M	21M	30M	28M	31	38	33	32	27	25M	19M	30	31	29	23	19	19M	20M	13M	8M	5M	4M
10)											1	1	1	1	1	1	1	1						-	-
11)	4M	5M	5M	4M	6M	5M	5M	5M	17M	20M	21M	18M	15M	21M	20M	24	29	32	33	5	5	5	6M	6M	5M
11)	-	-		-	-						1	1	1	1	1	1				-	-	-	-	-	-
12)	5M	5M	6M	8M	5M	6M	6M	7M	6M	7M	10M	13M	99	99	99	99	99	99	99	4	5M	6M	5M	6M	6M
12)	-	-	-	-	-	-	-	-	-		1	1	1	1	1	1	1						-	-	-
13)	6M	6M	5M	5M	6M	5M	6M	6M	5M	5M	7M	11	15	19	99	99	99	99	99	5	6	6	8M	8M	8M
13)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1			-	-	-	-	-	-
14)	8M	5M	5M	5M	5M	5M	5M	5M	7M	6M	7M	10M	21	22	99	99	99	99	17	4M	10M	5M	11M	12M	17M
14)	-	-	-	-	-	-	-	-	-			1	1	1	1	1	1								
15)	17M	4M	4M	4M	4M	4M	5M	6M	6M	12M	12M	12M	19M	27	21	15	99	99	99	9	6M	4M	4M	5M	4M
15)		-	-	-	-	-	-	-	-		1	1	1	1	1	1	1						-		-
16)	4M	4M	5M	5M	5M	6M	5M	6M	6M	5M	5M	10M	12M	17	99	99	99	99	10	9M	5M	9M	7M	6M	5M
16)	-	-	-	-	-	-	-	-	-	-		1	1	1	1	1	1								-
17)	5M	6M	5M	5M	5M	5M	5M	6M	5M	5M	9M	14	20	27	33	44	99	99	10	10M	11M	12M	13M	5M	4M
17)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1								-
18)	4M	4M	4M	4M	4M	8M	8M	5M	41	40	42	41	40	32	30	32	38	30	0	8	9	10M	7M	5M	5M
18)	-	-	-	-	-					1	1	1	1	1	1	1	1	1	Q					-	-
19)	5M	5M	5M	6M	6M	4M	4M	33M	5M	33M	30M	23	17M	21	19	21	31	33	13M	11M	13M	5M	4M	5M	6M
19)	-	-	-	-	-						1	1	1	1	1	1							-	-	-
20)	6M	6M	6M	7M	5M	5M	7M	7M	6M	10M	15M	20M	21M	20	19	20	20	19	9M	5M	5M	7M	5M	5M	6M
20)	-	-	-	-	-	-	-	-			1	1	1	1	1	1	1			-	-	-	-	-	-
21)	6M	4M	5M	5M	4M	8M	9M	9M	9M	10M	11M	13M	24M	30	26	21	20	20	29	27	4M	8M	4M	6M	11M
21)	-	-			-	-	-				1	1	1	1	1	1	1								
22)	11M	4M	6M	5M	6M	5M	4M	30M	36M	27M	28M	30M	32M	33M	44	47	47	10M	10M	12M	6M	8M	9M	6M	6M
22)		-	-	-	-	-	-				1	1	1	1	1	1	1								
23)	6M	7M	6M	5M	4M	4M	7M	7M	5M	7M	55	52	51	47	39	35	36	26	10M	9M	10M	6M	4M	5M	10M
23)											1	1	1	1	1	1	1	1					-	-	
24)	10M	12M	10M	6M	0	10M	55	58	59	61	65	67	62	59	49	59	99	99	99	0	22	16	17	11M	10M
24)					Q						1	1	1	1	1	1	1			Q					
25)	10M	6M	8M	7M	7M	7M	4M	6M	5M	30	54	99	99	99	99	99	99	99	99	19	5M	9M	9M	10M	5M
25)						-	-				1	1	1	1	1	1	1				-	-	-	-	-
26)	5M	5M	8M	8M	8M	8M	10M	7M	7M	7M	99	99	99	99	99	99	99	99	99	7	4M	3M	5M	4M	4M
26)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1				-	-	-	-	-
27)	4M	4M	5M	5M	6M	6M	6M	0	0	0	0	12	99	99	99	99	99	99	99	5	5	4M	5M	7M	4M
27)	-	-	-	-	-	-	-	Q	Q	Q	Q	1	1	1	1	1	1			-	-	-	-	-	-
28)	4M	4M	5M	7M	5M	6M	6M	4M	5M	6M	9M	13M	20	27	99	99	99	99	99	3	4M	4M	5M	5M	5M
28)	-	-	-	-	-	-	-	-	-	-		1	1	1	1	1				-	-	-	-	-	-
29)	5M	5M	5M	5M	5M	5M	6M	8M	6M	5M	12M	18M	23	25	33	35	23	17	23	21M	20M	20M	4M	5M	5M
29)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1						-	-	-
30)	5M	7M	5M	4M	4M	9M	6M	10M	9M	9M	20M	15M	20M	28	37	39	36	36	36	11M	5M	6M	5M	6M	5M
30)	-	-	-	-	-						1	1	1	1	1	1	1	1			-	-	-	-	-
31)	5M	5M	5M	7M	4M	5M	6M	9M	10M	5M	21M	21M	19	24	39	37	38	30	10	5M	4M	5M	6M	6M	7M
31)	-	-	-	-	-	-					1	1	1	1	1	1	1				-	-	-	-	-
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 5, MORGN HILL UTMX=621, UTMY=4108, SODAR HT= 98 M ASL

NOVEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	7M	7M	8M	7M	4M	4M	4M	5M	7M	7M	5M	12M	17M	18M	20	20	22	30	5M	5M	5M	5M	4M	4M	5M
1)	-	-	-	-	-	-	-	-	-	-	-		1	1	1	1	1		-	-	-	-	-	-	-
2)	5M	6M	4M	6M	5M	8M	5M	6M	7M	5M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2)	-	-	-	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 6, SAN JOSE UTMX=599, UTMY=4132, SODAR HT= 68 M ASL

AUGUST 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
19)	11	5M	0	0	13M	17	17	30	25	20	16	18	48	50	26	35	48	48	0	0	0	0	0	0	9
19)			Q	X							1	1	1	1	1	1	1		Q	Q	Q	Q	Q	Q	
23)	99	99	99	99	0	0	99	4	9	20	38	43	43	42	35	27	29	18	20	22	16M	19M	20M	19M	20M
23)			1		Q	Q				1	1	1	1	1	1	1	1	1	1	1					
24)	20M	15M	13M	13M	6M	7M	3M	5M	10M	29M	38M	37	36	38	34	30	25	22	20	18	8M	17M	22M	19M	15M	24M
24)							-			1	1	1	1	1	1	1	1	1	1	1					
25)	24M	23M	6M	15M	13M	3M	3M	3M	5M	22M	37	40	44	40	40	37	30	33	32	29	32	29	20M	17M	8M
25)						-	-	-	-	1	1	1	1	1	1	1	1	1	1	1					
26)	8M	5M	5M	4M	7M	7M	6M	4M	10M	20M	31M	37M	39M	47	47	32	20	17	19	11M	13M	12M	11M	11M	8M
26)		-	-	-	-		-	-		1	1	1	1	1	1	1	1	1	1						
27)	8M	3M	3M	4M	4M	5M	5M	5M	6M	11M	16M	27	34	37	48	69	45	10	10	12	7M	10M	12M	12M	10M
27)		-	-	-	-	-	-	-	-		1	1	1	1	1	1	1	1							
28)	10M	13M	6M	3M	3M	4M	3M	3M	4M	17M	22M	27M	26M	40	40	28	19	17	16	10M	9M	11M	15M	16M	19M
28)			-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1						
29)	19M	16M	5M	3M	3M	3M	20M	10M	30M	30M	27M	26M	26M	29M	34M	36M	19M	19	15	13	8	8M	8M	10M	10M
29)			-	-	-	-			1	1	1	1	1	1	1	1	1	1	1						
30)	10M	8M	9M	4M	9M	8M	10M	9M	13M	21M	25M	27	24	27M	32	33	24	18	13	13	9M	10M	6M	5M	4M
30)				-					1	1	1	1	1	1	1	1	1	1	1						
31)	4M	5M	4M	6M	6M	8M	4M	7M	5M	20M	21M	21M	22M	22M	22	23	19	11	13	11M	12M	10M	14M	15M	20M
31)			-				-	-	-	1	1	1	1	1	1	1	1	1	1						
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 6, SAN JOSE UTMX=599, UTMY=4132, SODAR HT= 68 M ASL

SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	20M	20M	19M	20M	23M	29M	33M	36M	40	40	36	30	27	27	29	22	22M	20M	20M	14M	17M	19M	13M	12M	7M
1)						1	1	1	1	1	1	1	1	1	1	1	1	1	1						-
2)	7M	10M	5M	4M	4M	4M	4M	8M	25M	23M	27M	30M	30M	39M	36M	35	25	23	14M	13M	12M	20M	15M	11M	11M
2)	-	-	-	-	-	-	-		1	1	1	1	1	1	1	1	1	1	1						
7)	7M	8M	5M	10M	6M	7M	12M	5M	7M	21M	21M	27	35	99	99	99	99	99	99	10	8	10	10	13M	12M
7)								-		1	1	1	1	1	1	1	1	1							
8)	12M	11M	11M	8M	4M	7M	7M	5M	6M	4M	20	27	40	99	99	99	99	99	10	6	6	8	6	7M	10M
8)					-	-	-	-	-		1	1	1	1	1	1	1					-			
9)	10M	10M	10M	6M	5M	5M	8M	8M	5M	7M	15	25M	31	28	22	18	18	17	17M	18M	13M	17M	8M	9M	10M
9)				-	-					1	1	1	1	1	1	1	1	1							
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 6. SAN JOSE UTMX=599. UTMY=4132. SODAR HT= 68 M ASL

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
4)	3M	5M	4M	20	5M	7M	7M	5M	7M	14M	19M	22M	32M	36	40	99	99	99	18	9	11	8	5	10M	4M
4)	-	-			-	-	-	-		1	1	1	1	1	1	1	1	1							-
5)	4M	4M	4M	3M	7M	7M	5M	6M	6M	10M	18M	22	36	40	35	30	99	99	11	8	4M	4M	6M	5M	6M
5)	-	-	-	-	-	-	-	-		1	1	1	1	1	1	1	1				-			-	
6)	6M	5M	5M	5M	4M	5M	7M	6M	5M	7M	14M	20M	27	32	45	54	99	99	10	6	6	6M	9M	8M	5M
6)		-	-				-	-	-	1	1	1	1	1	1	1	1			-					
7)	5M	5M	5M	8	5M	6M	7M	9M	10M	13M	19	27	35	31	30	29	21	18	15	13	20	20	17	20	23
7)				-					1	1	1	1	1	1	1	1	1	1							
8)	23	5M	5M	9M	5M	3M	4M	4M	9M	11M	20M	21M	27	30	34	32	30	25	99	99	7	6M	6M	6M	5M
8)		-	-			-	-	-	1	1	1	1	1	1	1	1	1	1			-				
9)	5M	8M	3M	5M	99	5M	0	0	7M	15M	22M	27M	27M	29M	29	23	25	15	10	10	10	13	17M	20M	20M
9)			-	-			Q	Q	1	1	1	1	1	1	1	1	1	1							
10)	19	18	25	37	38	39	38	39	37	37	38	34	34	36	32	28	22	22	21	14	10	5	8	15	33
10)				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
24)	40	50	58	59	58	58	60	61	66	69	70	67	60	63	63	53	44	38	27	20	27	13	18	21	27
24)		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
25)	27	29	12M	35	5M	10M	8M	10M	7	8	99	99	99	99	99	99	99	99	11M	10M	8M	5M	7M	10M	5M
25)						-	-	-			1	1	1	1	1	1	1	1				-	-	-	-
26)	5M	7M	7M	7M	6M	7M	8M	8M	0	99	99	99	99	99	99	99	99	99	99	10	5M	7M	8M	7M	6M
26)	-	-				-	-	-	Q	1	1	1	1	1	1	1	1			-	-	-	-	-	
27)	6M	6M	3M	4M	4M	4M	4M	4M	4M	4M	10M	18M	35	39	99	99	99	99	6	8	9M	10M	9M	4M	4M
27)			-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1			-	-	-	-	-
28)	4M	4M	5M	6M	6M	9M	9M	9M	4M	4M	15M	27	31	32	27	30	20	16	10	13	13	23	19M	7M	5M
28)	-	-	-	-	-	-	-	-	-	-		1	1	1	1	1	1	1							
29)	5M	3M	3M	4M	5M	25M	31M	33	32	33	33	32	30	37	38	40	35	25M	20M	12M	10M	20M	5M	5M	7M
29)		-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1							
30)	7M	8M	0	0	0	5M	10M	15M	17M	13M	47	47	42	47	42	34	22	22	15	8M	5M	0	0	6	6M
30)		-	Q	Q	Q						1	1	1	1	1	1	1	1				Q	Q		
31)	6M	0	7	6M	4M	5M	30	30	25	22	22	24	28	40	38	43	99	99	28	3M	6	7	5M	6M	5M
31)		Q	-		-	-	1	1	1	1	1	1	1	1	1	1	1				-				-
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 6. SAN JOSE UTMX=599. UTMY=4132. SODAR HT= 68 M ASL

NOVEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	5M	4M	3M	5M	5M	3M	3M	6M	4M	7M	10M	19M	24M	25M	28M	28M	31	29	9	5	4M	3M	4M	5M	4M
1)	-	-	-	-				-		1	1	1	1	1	1	1	1				-	-	-	-	-
2)	4M	4M	4M	5M	4M	8M	8M	6	7M	7M	8M	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2)	-	-	-	-	-	-	-	-	-	-		X	X	X	X	X	X	X	X	X	X	X	X	X	X
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 7, MENLO PARK UTMX=573, UTMY=4145, SODAR HT= 18 M ASL

AUGUST 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
19)	0	0	0	10M	0	0	15	10M	10M	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0
19)	Q	Q	Q	-	Q	Q		-	-	Q	Q	1	X	X	X	X	X	X	X	X	X	X	X	X	X
23)	0	0	0	0	0	0	0	0	0	0	0	0	30	35	30	25	30	30	27	15	22M	23M	25M	22M	14M
23)	X	X	X	X	X	X	X	X	X	X	X	X	1	1	1	1	1	1	1	1	-	-	-	-	-
24)	14M	11M	10M	11M	12M	13M	10M	10M	15M	32	33	32	28M	28M	25M	29M	28	25	17M	13M	13M	9M	10M	9M	9M
24)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-
25)	9M	9M	13M	9M	9M	0	10M	10M	20M	42	43	37	30	99	99	99	99	99	10M	9M	10M	0	0	10M	9M
25)	-	-	-	-	-	Q	-	-	1	1	1	1	1	1	1	1	1	1	-	-	-	Q	Q	-	-
26)	9M	9M	9M	8M	8M	8M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26)	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
27)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19M	15M	16M	14M	11M	10M	9M
27)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	-
28)	9M	0M	0M	0M	0M	0M	0M	0M	0M	21M	25M	25	20	19	17M	15M	23	24	13	11	11M	11M	10M	9M	8M
28)	-	Q	Q	Q	Q	Q	Q	Q	Q	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-
29)	8M	0	0	0	0	0	0	0	30M	30M	28M	28M	23	20M	18M	15M	17	16	10M	18M	20M	16M	12M	10M	10M
29)	-	Q	Q	Q	Q	Q	Q	Q	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-
30)	10M	9M	10M	11M	9M	9M	10M	10M	11M	22M	27M	23M	21M	18M	18M	17M	16M	14M	14	11M	10M	15M	17M	13M	15M
30)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-
31)	15M	15M	16M	12M	10M	10M	11M	12M	13M	27M	25M	21M	19M	20M	18	17	14	12	10M	10M	10M	10M	10M	10M	10M
31)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 7, MENLO PARK UTMX=573, UTMY=4145, SODAR HT= 18 M ASL

SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	10M	9M	10M	11M	10M	11M	0	0	0	36M	35M	33	30	27M	22M	18M	13M	20M	18M	19M	16M	13M	10M	10M	9M
1)	-	-	-	-	-	-	Q	Q	Q	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-
2)	9M	9M	9M	10M	9M	9M	9M	9M	33M	35M	33M	36M	33M	33M	40M	23M	20M	19M	16M	14M	12M	11M	10M	9M	9M
2)	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-
7)	10M	0	0	0	10M	10M	15M	10M	9M	11M	99	99	99	99	99	99	99	99	99	11	10M	10M	11M	10M	10M
7)	-	Q	Q	Q	-	-				-	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-
8)	10M	10M	11M	9M	10M	9M	10M	10M	9M	11M	19M	23	99	99	99	99	99	99	9	9	9M	15M	17M	15M	15M
8)	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	-	-	-	-	-	-	-
9)	15M	9M	8M	9M	8M	9M	0	0	9M	17M	20M	20M	18M	13	12	21	19	99	99	17	17M	9M	9M	9M	9M
9)	-	-	-	-	-	-	Q	Q	-	-	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 7, MENLO PARK UTMX=573, UTMY=4145, SODAR HT= 18 M ASL

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
4)	0	0	0	0	0	0	0	0	0	11M	22M	27M	27M	99	99	99	99	99	9	10	12M	8M	7M	11M	12M
4)	X	X	X	X	X	X	X	X	X	-	1	1	1	1	1	1	1	1		-	-	-	-	-	-
5)	12M	11M	10M	9M	8M	9M	7M	8M	0	11M	20M	22M	31	99	99	99	99	99	10	10M	10M	10M	9M	10M	11M
5)	-	-	-	-	-	-	-	-	Q	1	1	1	1	1	1	1	1	1	Q	-	-	-	-	-	-
6)	11M	10M	11M	11M	10M	10M	10M	12M	10M	11M	17M	25M	24M	30M	40	50	38	19	11M	9M	10M	13M	7M	10M	9M
6)	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	-	-	-	-	-	-	-
7)	9M	10M	9M	8M	10M	10M	10M	9M	10M	18M	24M	27M	24M	22M	20M	19M	19M	12M	12M	11M	12M	15M	20M	20M	11M
7)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1							
8)	11M	9M	8M	10M	8M	22	22M	22	20M	20M	20M	22	29M	23	20	18M	18M	14	8M	10M	7M	9M	8M	0	0
8)			-			1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	Q	Q
9)	0	0	0	0	0	10M	8M	8M	9M	11M	23M	28	26	23	20M	17M	17	10	0	0	0	0	0	0	0
9)	Q	Q	Q	Q	Q	-	-	-	-	1	1	1	1	1	1	1	1	1	Q	Q	Q	Q	Q	Q	Q
10)	0	0	0	26	9	16	31	36	36	38	38	38	30	26	22	20	20	12	8	0M	8M	8M	6M	6M	0M
10)	Q	Q	Q				1	1	1	1	1	1	1	1	1	1	1	Q	Q	Q	Q	Q	Q	Q	Q
24)	0	0	0	0	0	65	67	69	69	65	70	72	79	88	99	99	99	60	0	0	0	0	0	0	0
24)	Q	Q	Q	Q	Q	1	1	1	1	1	1	1	1	1	1	1	1	1	Q	Q	Q	Q	Q	Q	Q
25)	0	0	0	0	0	0	9M	9M	9M	13M	51	52	99	99	99	99	99	99	23	10M	0M	0M	8M	6M	0
25)	Q	Q	Q	Q	Q	Q	-	-	-	1	1	1	1	1	1	1	1	1			Q	Q			Q
26)	0	0	0	0	0	10M	7M	8M	8M	9M	99	99	99	99	99	99	99	99	27	10M	9M	9M	9M	9M	8M
26)	Q	Q	Q	Q	Q	-	-	-	-	-	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-
27)	8M	7M	10M	9M	9M	8M	9M	8M	0M	0M	18M	30M	50	99	99	99	99	99	9	8M	9M	8M	7M	7M	60M
27)	-	-	-	-	-	-	-	-	Q	Q	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-
28)	6M	10M	0	10M	9M	0	7M	8M	10M	23M	27M	30M	31M	22M	19M	20M	17M	15M	10M	9M	8M	7M	10M	0	0
28)	-	-	Q	-	-	Q	-	-	-	1	1	1	1	1	1	1	1	1	1					Q	Q
29)	0	0	0	8M	21M	31M	40M	43M	43M	42M	41M	39M	40M	39M	29M	25M	24M	22M	11M	0	0	0	0	0	0
29)	Q	Q	Q	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Q	Q	Q	Q	Q	Q
30)	0	8M	10M	10M	10M	10M	0	0	0	0	50M	46	47	38	33	31	27M	10M	0	0	0	0	0	7M	9M
30)	Q	-	-	-	-	-	Q	Q	Q	Q	1	1	1	1	1	1	1	1	Q	Q	Q	Q	Q	-	-
31)	9M	10M	7M	7M	7M	7M	7M	6M	16M	19M	14M	19M	27M	36M	99	99	27	20M	0	0	0	0	10M	9M	6M
31)	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	Q	Q	Q	Q	-	-	-
DAY /	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 7, MENLO PARK UTMX=573, UTMY=4145, SODAR HT= 18 M ASL

NOVEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	6M	7M	7M	7M	7M	7M	7M	8M	8M	13M	13M	13M	26M	30M	44M	37M	47M	17	0	8M	7M	7M	0	0	7M
1)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	Q	-	-	-	Q	Q	-
2)	7M	7M	8M	7M	0	0	7M	8M	7M	0	10M	20M	22M	20M	18M	20M	10M	10M	0	0	9M	8M	9M	15M	6M
2)	-	-	-	-	Q	Q	-	-	-	Q	1	1	1	1	1	1	1	-	Q	Q	-	-	-	1	-
3)	6M	10M	8M	9M	0	0	0	7M	8M	15M	11M	14M	0	0	0	0	0	0	0	0	0	0	0	0	0
3)	-	-	-	-	Q	Q	Q	-	-	1	-	1	X	X	X	X	X	X	X	X	X	X	X	X	X
4)	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
4)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5)	0	0	0	0	0	0	0	0	0	0	15M	20M	18M	19M	15M	11M	10M	9M	9M	9M	8M	8M	9M	10M	8M
5)	X	X	X	X	X	X	X	X	X	X	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-
6)	8M	8M	8M	8M	9M	0	0	0	7M	10M	16M	14M	12M	11M	18M	14M	15M	10M	10M	10M	10M	10M	10M	8M	8M
6)	-	-	-	-	-	Q	Q	Q	-	-	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-
7)	8M	7M	8M	7M	9M	32M	30M	28M	25M	25M	25M	27M	23M	19M	15M	11M	10M	0	0	9M	9M	9M	8M	9M	9M
7)	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	-	Q	Q	-	-	-	-	-	-
DAY /	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 8, PULGAS RDG UTMX=559, UTMY=4152, SODAR HT=152 M ASL

AUGUST 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
19)	13	8M	10M	9M	6M	6M	0	8M	5M	22M	27	26	32	33	50	62	35	20	15M	12M	9M	5M	6M	6M	4M
19)			-	-			Q				1	1	1	1	1	1	1	1	1	1	1	-	-	-	-
23)	8M	5M	8M	8M	9M	7M	6M	5M	6M	36	40	56	63	61	40	42	44	40M	35M	10M	8M	26M	40M	19M	10M
23)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	-	-			-	-	-	-
24)	10M	20M	20M	20M	20M	18M	18M	10M	12M	17M	30	27	30M	40	49	50	47	99	99	99	9M	8M	33M	24M	8M
24)	-	-	-	-	-	-	-		1	1	1	1	1	1	1	1	1	1	1	1			-	-	
25)	8M	13	36	32	8M	7M	10M	9M	18M	21M	23M	35	40	38	35	30	0	10M	13M	13M	9M	47	48	8M	29M
25)									1	1	1	1	1	1	1	1	Q	1	1	1		-	-		-
26)	29M	27M	35M	30M	21M	5M	6M	6M	8M	22M	23M	31M	48	51	44	99	99	99	99	99	30	29	19M	18M	17M
26)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-
27)	17M	15M	13M	13M	10M	9M	7M	7M	6M	11M	17M	25M	99	99	99	99	99	99	99	16	15M	20M	13M	13M	12M
27)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-
28)	12M	8M	5M	11M	21M	15	10M	6M	5M	18M	20M	18M	24M	35	22M	20	18	15	25	20M	30M	29M	29M	12M	5M
28)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-
29)	5M	10M	9M	10M	12M	14M	13M	11M	8M	15M	16M	17M	18M	13M	25	24	19	14	9	7	10M	7M	7M	7M	7M
29)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	
30)	7M	7M	5M	8M	5M	7M	5M	4M	6M	13M	20M	20M	18M	20M	20M	29M	35	34	10M	6M	7M	8M	10M	8M	5M
30)			-	-	-	-	-	-		1	1	1	1	1	1	1	1	1	-		-			-	-
31)	5M	8M	5M	6M	4M	7M	6M	6M	11M	19M	20M	20M	13M	10M	10M	27	22M	10M	99	99	99	22	0	8M	8M
31)	-	-	-	-	-	-			1	1	1	1	1	1	1	1	1	1	1	1	1	1	Q	-	-
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 8, PULGAS RDG UTMX=559, UTMY=4152, SODAR HT=152 M ASL

SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	8M	13M	8M	5M	6M	6M	10M	15M	18M	23M	17M	27M	21M	19M	21M	27M	29M	23	29	30	23M	21M	17M	16M	18M
1)	-	-	-	-						1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-
2)	18M	20M	20M	28M	30M	30M	21M	11M	10M	26M	30M	29M	29M	30M	24M	20M	20M	27M	30	29	27	8M	7M	25M	9M
2)	-	-	-	-	-	-	1	-	1	1	1	1	1	1	1	-	-	-	-	-	-			-	
7)	7M	4M	10M	5M	4M	5M	5M	5M	9	5M	34	52	60	61	99	99	99	99	26M	5M	3M	5M	6M	10M	4M
7)	-	-	-	-	-	-			-	-	1	1	1	1	1	1	1	1	1			-	-	-	-
8)	4M	5M	5M	6M	7M	9M	9M	8M	9M	21	23	34	99	99	99	99	99	99	10	12	6	8M	11M	5M	6M
8)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1					-
9)	6M	6M	7M	6M	6M	5M	4M	5M	4M	10M	14M	15M	25	40	20M	10M	8M	20	13	12	10M	10M	5M	6M	8M
9)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1			
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 8, PULGAS RDG UTMX=559, UTMY=4152, SODAR HT=152 M ASL

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
4)	6M	5M	4M	4M	6M	4M	4M	5M	5M	7M	17M	20	32	42	99	99	99	99	10M	7M	8M	5M	5M	9M	4M
4)			-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-
5)	4M	5M	6M	4M	5M	5M	6M	6M	7M	7M	20	22	24	99	99	99	99	99	10M	6M	7M	9M	8M	7M	6M
5)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1		-	-	-	-	-	-
6)	6M	7M	7M	7M	9M	8M	6M	6M	6M	10M	20M	21M	29	40	56	60	52	99	7	10M	8M	8M	7M	12M	7M
6)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1		-					
7)	7M	8M	7M	8M	9M	12M	5M	0	5M	4M	20M	20M	17M	27M	32M	37M	8M	8M	8M	6M	6M	5M	4M	5M	8M
7)						-		Q	-	-	1	1	1	1	1	1									1
8)	8M	5M	0	0	4M	7M	6M	6M	6M	4M	12M	15M	15M	29	22	22	99	99	7	8M	6M	4M	8M	5M	5M
8)	1	-	Q	Q	-	-		-	-	-	1	1	1	1	1	1	1	1			-	-	-	-	-
9)	5M	4M	5M	6M	7M	7M	5M	8M	9M	8M	15M	20M	16M	19M	24M	22M	14M	11M	10M	11M	12M	14M	12M	18M	19M
9)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	-	-	-	-	-	-	-	1
10)	28	26	8	9	9	8	8	10	15	25	25	25	27	28	29	33	40	42	8	8	8	8	11	27	21
10)	-									1	1	1	1	1	-	-	-	-							
24)	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
24)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
25)	0	0	33	32	33	20	5M	8M	0	23	44	59	64	67	61	49	30	19	18	17	10	9M	6M	6M	4M
25)	X	X	1	1	1	1			Q	1	1	1	1	1	1	1	1	1	1	1				-	-
26)	4M	8M	5M	17M	10M	7M	7	5	0	0	99	99	99	99	99	99	99	99	5	6M	5M	10	10	11	12
26)	-	-	-	-	-	-	-	-	Q	Q	1	1	1	1	1	1	1			-	-	-	-	-	-
27)	12	9	8	10	8M	6M	4M	10M	9M	7M	27	30	32	99	99	99	99	99	6	10M	6M	9M	9M	5M	7M
27)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1			-	-	-	-	-
28)	7M	7M	5M	4M	6M	9M	5M	20M	20M	15M	18M	30M	23M	20M	15M	10M	10M	14M	18M	19M	21M	30M	27M	20M	20M
28)	-	-	-	-	-		-	-	-	-	1	1	1	1	1	1		-	-	-	-	-	-	-	-
29)	20M	18M	9M	11M	14M	17M	10M	4M	6M	7M	6M	31M	18M	19M	20M	17M	10M	9M	6M	10M	9M	9M	12M	8M	8M
29)	-	-					-				-	1	1	1	1	1	1	1		-	-	-	-	-	
30)	8M	5M	6M	5M	33	40	38	0	37	38	35	34	41	30M	8M	13M	20M	17M	10M	4M	4M	10M	12M	5M	4M
30)					1	1		Q		1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-
31)	4M	4M	5M	4M	5M	4M	4M	4M	5M	4M	13M	21	26M	31M	48	53	37	28M	10M	6M	6M	4M	4M	6M	6M
31)	-	-		-	-	-	-	-	-	-	1	1	1	1	1	1	1	1		-	-	-	-	-	-
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 8, PULGAS RDG UTMX=559, UTMY=4152, SODAR HT=152 M ASL

NOVEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	6M	6M	5M	5M	5M	5M	6M	5M	4M	4M	6M	13	23	22	23	20M	21M	20M	10	5M	7M	5M	7M	5M	6M
1)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1		-	-	-	-	-	-
2)	6M	7M	5M	6M	6M	5M	5M	6M	6M	5M	8M	19M	14M	0	0	0	0	0	0	0	0	0	0	0	0
2)	-	-	-	-	-	-	-	-	-	-	1	1	1	X	X	X	X	X	X	X	X	X	X	X	X
3)	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
3)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4)	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
4)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	20	0	7M	7M	4M	4M	5M	6M	7M
5)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	1	Q	-	-	-	-	-	-	-
6)	7M	5M	6M	6M	7M	5M	5M	8M	4M	8M	20M	30M	32M	33M	22M	12M	0	10M	10M	12M	13M	14M	11M	8M	5M
6)	-	-	-	-	-	-		-	-	1	1	1	1	1	1	1	Q	1	-	-	-	-	1	1	
7)	5M	7M	9M	10M	8M	15M	15M	14M	13M	13M	13M	15M	16M	10M	7	7M	5M	9	5M	5M	6M	7M	7M	6M	6M
7)		-	-	-	-	1	1	1	1	1	1	1	1	1	1	1			-	-	-	-	-	-	-
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 9, SAN FRNSCO UTMX=554, UTMY=4182, SODAR HT= 8 M ASL

AUGUST 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
19)	99	13	0	0	11	10	10	11	24	20	99	99	99	99	99	99	17	13	17	18M	8M	10M	9M	7M	8M
19)			Q	Q					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
23)	20	27	0	0	20	20	10M	32	99	99	99	99	28	27	24	20	22	21	19	15M	12M	14M	19M	18M	15M
23)			Q	Q	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24)	15M	17M	17M	22M	20M	22M	22M	29M	32	37	29	21	19	20	20	20	19	19	22	24	25	27M	28M	35M	38M
24)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25)	38M	32M	15M	27M	21M	0	20M	23M	31M	30	30	30	29	28	26	25	22	13	12	11M	10M	5M	5M	0	9M
25)	1	1	1			Q	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	Q	-
26)	9M	0	9M	7M	5M	0	0	30M	35	34	27	20M	17M	16	16M	14M	11M	10M	14M	10	9M	10M	10M	9M	7M
26)	-	Q				Q	Q	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
27)	7M	8M	8M	9M	8M	7M	0	11M	21	20	11M	10M	9M	10	11	10	12	11M	15M	12M	10M	16M	12M	9M	10M
27)		-	-	-	-	-	Q	1	1	1	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1
28)	10M	6M	0M	0M	12M	10M	10M	10M	20M	22M	23	20M	10M	10M	9M	7M	20M	20M	13M	13M	10M	19M	21M	20M	13M
28)	1	-	Q	Q	1	1	1	1	1	1	1	1	1	1	1	1	-	-	1	1	1	1	1	1	1
29)	13M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12M	8M
29)	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	1
30)	8M	9M	9M	11M	10M	12M	10M	12M	19M	18M	15M	15M	12M	10M	10M	10M	10M	8M	8M	9M	9M	9M	10M	10M	10M
30)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31)	10M	9M	9M	9M	10M	10M	11M	13M	15M	19M	15M	14M	11M	10M	10M	10M	13	12	12	13M	12M	18M	18M	17M	7M
31)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 9, SAN FRNSCO UTMX=554, UTMY=4182, SODAR HT= 8 M ASL

SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	7M	0	8M	10M	12M	30	38	39	37	34	31	31	25	20M	17M	18M	22M	25M	28M	28M	28M	28M	24M	16M	14M
1)		Q		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
2)	14M	17M	15M	18M	21M	15M	10M	11M	37	38	40	40	26	26	23	20	21M	20M	27M	30M	32M	40	45	45	42
2)								1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7)	8M	15M	7M	29M	5M	4M	21	17M	16M	9M	6M	18	99	99	10	13	11	10M	9M	6M	9M	7M	5M	5M	7M
7)						-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-
8)	7M	5M	5M	5M	5M	7M	0	0	8	8	99	99	99	99	10	15	9	10	10M	10M	11M	9M	9M	9M	
8)	-	-	-	-	-	-	Q	Q	1	-	1	1	1	1	1	1	-				-	-	-	-	
9)	9M	11M	8M	8M	9M	7	6M	6M	12M	8M	12M	99	10	15	12	17	14	13	12	22	22	22	6M	8M	8M
9)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 9, SAN FRNSCO UTMX=554, UTMY=4182, SODAR HT= 8 M ASL

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
4)	11M	5M	8M	5M	5	5	6M	10M	10M	20	9	7	5	6	17	99	15	11	10M	8M	8M	9M	5M	8M	8M
4)						-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-			
5)	8M	9M	7M	7M	8M	7M	7M	9	6M	6M	7M	10M	99	99	99	99	99	10	9	9	9M	5M	7M	7M	4M
5)		-	-	-	-	-		1	-	-	-	-	1	1	1	1	1	1	1	1	-	-	-	-	-
6)	4M	8M	17M	6M	7M	7M	7M	8M	9M	9M	6M	5	6M	6	99	99	9M	10M	10	10	10M	7M	8M	5M	5M
6)	-			-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	-	-
7)	5M	14M	9M	0	0	10	12	11M	10M	12M	20	13M	12M	12	13	16	16M	14M	18M	18	20M	23M	20M	16M	18M
7)	-			Q	Q	1	1	1	1	1	1	1	1	1	1	1	1	1							
8)	18M	19M	6M	6M	6M	6M	20M	30M	30	13M	10M	9M	7M	9M	8M	10M	10M	9	7	7M	8M	10M	11M	9M	5M
8)			-	-	-	-			1	1	1	1	1	-	1	1	1	1	1						
9)	5M	5M	8M	5M	5M	9M	12M	11M	13M	20	21	23	20	13M	10M	9M	12M	13	12	11M	19M	20M	15M	20M	25M
9)					-			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10)	28	33	34	36	38	37	36	36	38	38	38	38	38	35	32	33	30	25	21	20	22	26	28	29	30
10)					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
24)	38	51	52	57	56	60	60	61	59	58	59	59	99	50	41	30	31	37	26	20	17	17	10	24	20
24)								1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
25)	20	25	20	11	9	10	99	99	99	99	99	99	99	99	99	99	99	11	10	7	4	4	3	0M	4M
25)							1	1	1	1	1	1	1	1	1	1	1	1	1			-	-	Q	-
26)	4M	9	11	7M	0	0	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	6	5
26)	-			-	Q	Q	1						1	1	1	1	1	1	1	1	1	1	1	-	-
27)	5	5	4M	4M	5M	5	10	13M	10	99	99	99	99	15	10	10	10	7M	9	10	10	17	8M	5M	7M
27)	-	-	-	-	-	-		1	1	1	1	1	1	1				-							-
28)	7M	10M	7M	8M	10M	7	9	12M	20M	22M	30	30	33	27	20	17	15	13	13	16	20	22	27	30	24
28)	-			-	-				1	1	1	1	1	1	1	1	1	1							
29)	24	28	28	32	43M	45	47	47	50	50	51	50	44	35	35	35	20	19	22	25	24	23	31	41	39
29)						1	1	1	1	1	1	1	1	1	1	1	1	1							
30)	39	41	42	43	44	42	49	49	50	50	49	49	41	36	26	24	17	14	14	16	18	18	19	21	50
30)		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
31)	50	59	40	6M	5M	4M	6M	37	31	33	30	16	13	17	17	20	11	11	10	7M	6M	0M	0M	4	4
31)				-	-	-	-			1	1	1	1	1	1	1	1	1				Q	Q	-	-
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 9, SAN FRNSCO UTMX=554, UTMY=4182, SODAR HT= 8 M ASL

NOVEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	4	11	0	6M	6M	14	16	14	9	8M	7M	6M	6M	19	5	99	0	0	0	6M	6M	5M	6M	9M	9M
1)	-		Q	-	-					-	-	-	-	1	-	1	Q	Q	Q	-	-	-	-	-	
2)	9M	6M	9M	9M	9M	5M	5M	10M	6M	7M	6M	17	5M	5M	5	4	0	0	10	7M	5	9M	6M	8M	7M
2)	-					-	-		-	-	-	1		-	-	-	Q	Q					-	-	-
3)	7M	6M	9M	6M	6M	5M	6M	5M	5M	14	13	9	5	5	99	99	4	4	4M	6M	7M	17	17	15M	11M
3)	-	-	-				-	-	-	1	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-
4)	11M	6M	7M	8M	9M	10M	11M	10M	11M	11M	99	99	99	23	13	12	11	10	11	15	14	12M	11M	12M	8M
4)	-			-							1	1	1	1	1	1				1	1	1	1	1	1
5)	8M	9M	8M	7M	8M	6M	10	10	7M	9M	20	20	20	16	13	99	7	7	9	8M	6M	5M	8M	6M	7M
5)	1	-	-	-	-	-			-	-	1	1	1	1	1	1				-	-	-		-	-
6)	7M	8M	6M	6M	8M	5M	4M	10M	11M	9M	17	99	99	99	17	18	8M	5M	6M	6M	10	18	22	17	20
6)	-	-	-	-	-	-	-		1	1	1	1	1	1	1	1	1								
7)	20	15	18	17	12M	5M	28	30	28	23	21	16	8M	9M	8M	12	14	14	7M	5M	19	18	17	7M	5M
7)								1	1	1	1	1	1	-	-	1	1		-	-				-	-
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 10, SAN RAFAEL UTMX=542, UTMY=4208, SODAR HT= 37 M ASL

AUGUST 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
19)	0	5M	7M	7M	10M	11M	9M	10M	25M	31	55	99	99	99	99	99	99	99	99	0	0	11M	6M	5M	0
19)	Q	-						1	1	1	1	1	1	1	1	1	1	1		Q	Q				Q
23)	11M	10M	12M	8M	5M	5M	4M	4M	5M	37	51	99	99	99	99	99	99	12	10M	8M	4M	4M	5M	10M	0
23)						-	-	-	-	1	1	1	1	1	1	1	1	1				-			Q
24)	0	8M	7M	8M	9M	6M	4M	4M	20M	30M	29	26	47	99	99	99	10	7M	5M	5M	8M	8M	7M	11M	17M
24)	Q	-					-	-	1	1	1	1	1	1	1	1	1					-	-		
25)	17M	17M	20M	15M	0	0	0	0	0	0	0	99	99	99	99	99	13	15	17	11	7M	5M	10M	9M	0
25)					X	X	X	X	X	X	X	1	1	1	1	1	1						-		Q
26)	0	6M	7M	7M	10M	10	6M	7M	10M	17M	25M	13M	99	99	99	99	99	10	10	6M	9M	10M	10M	5M	7M
26)	Q					1	-	-		1	1	1	1	1	1	1	1				-	-	-		
27)	7M	5M	6M	5M	6M	6M	5M	8M	9M	14M	17M	20	28	99	99	99	99	99	99	15M	10M	5M	5M	9M	10M
27)		-	-			-	-	-	1	1	1	1	1	1	1	1	1	1	1			-			
28)	10M	10M	8M	8M	5M	7M	7M	8M	9M	20M	20M	19M	16	10	99	99	99	99	0	0	17M	15M	12M	10M	6M
28)			-		-	-	-	-	1	1	1	1	1	1	1	1	1	1	Q	Q					-
29)	6M	7M	8M	7M	9M	10M	10M	9M	10M	16M	22M	22M	16M	12M	10M	99	99	99	10	9M	18M	7M	5M	7M	8M
29)	-	-	-							1	1	1	1	1	1	1	1	1			1				
30)	8M	6M	5M	6M	6M	6M	5M	7M	7M	15M	17M	11M	10M	11M	10M	11	99	99	5	10M	6M	7M	11M	7M	7M
30)		-	-	-	-	-	-		1	1	1	1	1	1	1	1	1	1				-			-
31)	7M	7M	8M	7M	7M	8M	7M	7M	8M	15M	13M	15M	18M	18	99	99	99	99	8	4M	12M	5M	7M	8M	9M
31)	-	-	-	-			-			1	1	1	1	1	1	1	1	1							

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 10, SAN RAFAEL UTMX=542, UTMY=4208, SODAR HT= 37 M ASL

SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	9M	10M	8M	6M	7M	0	11M	10M	8M	30M	30M	28M	28M	29M	30M	35	40	25	20	10M	10M	13M	12M	11M	9M
1)		-	-			Q				1	1	1	1	1	1	1	1	1	1	-	-	-			
2)	9M	9M	9M	8M	9M	10M	7M	7M	10M	26M	32M	40M	41	40	31	26	20M	27	6M	7M	10M	10M	5M	0	7M
2)								-	1	1	1	1	1	1	1	1	1	1			-	-		Q	
7)	8M	8M	7M	5M	5M	5M	5M	8M	10M	12M	11M	10M	99	99	99	99	99	99	99	5	7M	7M	8M	5M	7M
7)				-	-	-	-	-	1	1	1	1	1	1	1	1	1	1						-	
8)	7M	7M	5M	4M	5M	6M	5M	7M	8M	9M	10M	9M	99	99	99	99	99	99	99	99	13	10M	6M	8M	6M
8)			-	-			-	-		1	1	1	1	1	1	1	1	1	1						
9)	6M	5M	7M	5M	4M	6M	7M	7M	8M	9M	11M	10M	99	99	99	99	99	99	13	12	9M	11M	18M	5M	5M
9)		-		-	-	-				1	1	1	1	1	1	1	1	1						-	

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 10, SAN RAFAEL UTMX=542, UTMY=4208, SODAR HT= 37 M ASL

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
4)	7M	8M	7M	8M	9M	5M	5M	6M	5M	6M	13M	17M	25	16	20	99	99	99	7	0	0	7M	7M	9M	6M
4)						-	-	-	-	1	1	1	1	1	1	1	1	1		Q	Q				-
5)	7M	7M	7M	6M	6M	6M	7M	8M	8M	16M	11M	10M	23	19	99	99	99	99	99	8	6M	5M	8M	6M	4M
5)	-		-		-			-	-	1	1	1	1	1	1	1	1	1				-	-		-
6)	4M	6M	4M	6M	7M	6M	6M	6M	6M	10M	15M	15M	25	18	99	99	99	99	99	9	5M	6M	5M	6M	5M
6)	-		-	-		-	-	-	-	1	1	1	1	1	1	1	1	1		-	-	-	-	-	-
7)	5M	5M	7M	6M	6M	7M	6M	6M	7M	8M	20M	27	20	99	99	99	99	8	20M	5M	9M	9M	12M	10M	11M
7)	-				-	-	-	-			1	1	1	1	1	1	1	1	1						
8)	11M	9M	9M	13M	9M	5M	7M	6M	7M	9M	12M	12M	11M	10	10	99	99	99	9	8	10M	8M	6M	5M	4M
8)						-	-			1	1	1	1	1	1	1	1							-	-
9)	4M	5M	6M	6M	7M	7M	7M	6M	6M	8M	17M	15M	14M	14	10	21	99	99	0	0	0	0	0	0	0
9)	-		-	-	-			-	-	1	1	1	1	1	1	1	1	1	X	X	X	X	X	X	X
10)	8	8	10	12	10M	0M	5	0	0	0	22	26	23	22	18	99	0	10	10	7	7	9	5	6	10
10)								Q	Q	Q	1	1	1	1	1	1	Q						-		Q
24)	16M	0	13M	7M	7M	7M	0	0	0	0	60	67	78	77	75	99	19	30	42	21	12	27	24	27	8M
24)		Q	1				Q	Q	Q	Q	1	1	1	1	1	1	1								
25)	9M	10M	8M	7M	12M	0	54	6M	9M	35	38	99	99	99	99	99	15	8	4	15M	9M	8M	30M	21M	15M
25)						Q	1		-	1	1	1	1	1	1	1				-	-	-	1	1	1
26)	15M	15	8M	30	32	23	99	28	99	99	99	99	99	99	99	99	99	5	4	6	7	8	9	8	
26)	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-
27)	8	13	20	8M	5M	6M	6M	4M	6M	19	20	99	99	99	99	99	99	99	8	7	6	7	7M	6M	7M
27)	-			-	-	-	-	-	-	1	1	1	1	1	1	1	1						-	-	
28)	7M	7M	7M	6M	5M	5M	6M	7M	6M	6M	16M	17M	20M	20M	21M	13M	14M	0	0	5M	0	0	10M	10M	8M
28)				-	-	-	-			1	1	1	1	1	1	1	1	Q	Q		Q	Q			
29)	8M	6M	8M	5M	5M	10M	6M	0	8M	6M	12M	43	51	57	29	33	27	0	7M	6M	8M	0	0	0	0
29)							-	Q			1	1	1	1	1	1	1	Q				Q	Q	Q	Q
30)	0	6M	8M	4M	13M	10M	8M	13M	8M	9M	40	41	48	60	99	99	99	27	22	7M	9M	10M	9M	11M	11M
30)	Q	-	-	-			-				1	1	1	1	1	1	1								
31)	11M	7M	9M	5M	5M	6M	12M	10M	6M	8M	10M	10M	10M	10M	21	15	99	10	4	10	11M	6M	8M	11M	8M
31)				-	-						1	1	1	1	1	1	1								
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 10, SAN RAFAEL UTMX=542, UTMY=4208, SODAR HT= 37 M ASL

NOVEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	8M	10M	5M	5M	6M	5M	6M	5M	5M	8M	12M	19M	22	27	30	27	99	99	99	6	5	6	8M	5M	5M
1)			-	-	-	-	-	-		1	1	1	1	1	1	1	1			-	-				
2)	5M	5M	4M	4M	4M	4M	4M	5M	7M	4M	14	19	11	99	99	99	99	4	7	5	5M	5M	4M	4M	5M
2)			-	-	-	-	-	-	-	-	1	1	1	1	1	1	1				-	-			-
3)	6M	7M	8M	5M	5M	6M	5M	5M	4M	5M	6M	13M	0	0	0	0	0	0	0	0	0	0	0	0	0
3)	-	-	-				-	-			1	1	X	X	X	X	X	X	X	X	X	X	X	X	X
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 11, EL CERRITO UTMX=560, UTMY=4195, SODAR HT= 18 M ASL

AUGUST 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
19)	10	11	0	0	0	0	0	0	0	0	0	0	0	0	5	5	3	5	0M	9M	5M	5M	19M	15M	17M
19)			Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	-	-		-	Q	-					
20)	17M	17M	11M	10M	13M	9M	12M	10	9	99	4	8	11	10	20	6M	5M	5M	3M	7M	6M	6M	25M	30M	34M
20)											-	-		-	-			-	-	-	-	-	1	1	1
21)	34M	34M	38M	48	53	58	52	53	20M	52	49M	20M	24M	0M	0M	0M	0M	0M	0M	0M	42	43	37M	37M	31M
21)	1	1	1	1	1	1	1							Q	Q	Q	Q	Q	Q	Q				1	1
22)	31M	35M	0M	55	80	82	81	0	99	99	99	0	0	0	0	0	0	0	8M	8M	0M	22M	0M	0M	0M
22)	1	1	Q	1	1	1		Q		1	1	Q	Q	Q	Q	Q	Q	Q	-	-	Q		Q	Q	Q
23)	0M	16M	0M	0M	20M	18	6	6M	0	0	0	6M	6M	10M	12M	11M	11M	12M	10M	10M	0M	14M	16M	30M	7M
23)	Q		Q	Q			-	-	Q	Q	Q	-	-	-	-	-	-	-	-		Q				-
24)	7M	7M	7M	5M	5M	4M	35M	30M	28M	0	0	18M	17M	20M	28M	36M	41M	28M	31M	27M	12M	14M	8M	15M	41M
24)	-	-	-	-	-	-			1	Q	Q	-	-	-	-	-	-	-	-	-	-	-	-	-	1
25)	41M	40M	30M	8M	5M	4M	4M	28M	32M	29M	30M	26M	25M	18M	12M	15M	18M	20M	22M	0M	0M	0M	11M	18M	19M
25)	1	1	1	-	-	-	-	1	1	1	1	1	1	1	-	-	-	-	-	Q	Q	Q			
26)	19M	23M	23M	22M	24M	6M	9M	6M	11M	21M	0M	0M	10M	17M	27M	30M	20M	23M	20M	10M	10M	9M	9M	9M	18M
26)						-	-	-			Q	Q	-	-	-	-	-	-	-	-	-	-			
27)	18M	16M	7M	8M	6M	8M	8M	7M	0M	14M	10M	10M	10M	10M	11M	14M	40	42	40	38	14M	7M	6M	8M	7M
27)			-	-	-	-	-	-	Q	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28)	7M	7M	7M	9M	11M	13M	9M	5M	18M	18M	13M	12M	8M	15M	21	28	34	35	37	38	18M	20M	20M	22M	20M
28)	-	-	-	-	-	-	-	-	1	1			-	-	-	-	-	-	-	-	-				
29)	20M	20M	21M	22M	24M	28M	27M	28M	26M	22M	9M	8M	5M	13M	11M	11M	10M	25	30	0	0	0	0	0	0
29)														-	-	-	-	-	-	X	X	X	X	X	X
30)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10M	6M	8M	8M	0	0	0	0	0	0
30)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	X	X	X	X	X	X
31)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8M	21M	22M	22M
31)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 11, EL CERRITO UTMX=560, UTMY=4195, SODAR HT= 18 M ASL

SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

```
DAY-----------------------------------------------------------------------------
  / 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
-------------------------------------------------------------------------------
 1)22M24M24M24M29M30M32M38M36M36M31M30M30M10M 6M 9M 8M 9M 6M 7M31M29M26M 0  0
 1)                                                                        X  X
 2) 0  0  0  0  0  0  0  0  0  0  0  0  8M 5M 5M 5M 5M12M 5M 8M10M12M 9M40M41M
 2) X  X  X  X  X  X  X  X  X  X  X  X
 3)41M43M48M48M47M47M48M47M47M44M42M41M37M20M14M20M11M 8M11M21M30M33M37M40 42
 3)                                      1
 4)42 43 40M39M40M39 38 40 37 35 32 11M11M20M 7M10M 6M11M 5M 6M 5M22M28M30M18M
 4)
 5)18M23M22M26M22M29M33M39M40M40M39M33M12M 9M 6M19M30M30M34M38M41M42M44M50M49M
 5)
 6)49M47M46M46M47M18M19M20M30M47M37M20M10M 9M11M 9M14M12M11M10M 9M22M23M21M16M
 6)
 7)16M13M11M 6M 6M 7M 7M 7M 7M13M13M18M 8M 0  7  4 10 10M 8M 0  6M 7M 5M 8M 5M
 7)                                     -  Q  -  -  -  -  -  Q     -     -  -
 8) 5M 5M 8M 5M 6M19M20M 6M 5M 6M10M 5M 6M 5M 5M 5M 9M17M17M 9M10M 6M 4M 6M 5M
 8) -  -  -  -                 -  -        -  -  -  -  -
 9) 5M 5M 5M 5M 4M 5M 5M 8M 8M10M11M 0  0  0  7M 7M 7M10M10M10M 7M17M22M 6M 8M
 9)        -        -  -           Q  Q  Q  -
10) 8M 8M 6M10M 9M 8M 5M 7M 9M 8M 0M 0M 7M 8M10M 8M10M15M23M 9M 6M 7M 0M 0M15M
10) -                 -  -           Q  Q  -  -  -  -                    Q  Q
11)15M20M28M28M21M27M15M35M 0  0  0  0  0  0  0  0  0  0  0  0  0  0 45M52M50M
11)                        Q  Q  Q  Q  Q  Q  Q  Q  Q  Q  Q  Q
12)50M47M41M38M35M37M39M62M50M 0M 0M 0M 0M 9M13M19M20M20M 5M10M 5M 6M 0M 0M 0M
12)                           Q  Q  Q  Q  -  -  -  -  -                 Q  Q  Q
13) 0M25M17M13M 0  4M 5M 0M 0  0  0  7  6M 5M 4M 4M 5M13M 9M13M11M 7M 8M29M33M
13) Q           Q  -  -  Q  Q  Q  Q
14)33M32M32M25M16M29M27M27M27M27M23M 0M 0M 7M 7M 7M 8M 7M 9M10M27M17M30M20M29M
14)                                 Q  Q  -  -     -  -  -  -
15)29M25M20M21M31M27M29M42M44 50 63 64 64 13 18 26 20 20 25 29M25M40M41M40M39M
15)                              1  1
16)39M26M35M24M21M26M24M29M36M37M20M18M20M 0  0 10 15 15 18 22M35M49M47M 0M 0M
16)                                       Q  Q                          Q  Q
17) 0M 0  0  0  0 33 27 31 45M47M30M22M20M10M13M19 13M15M11M 7M13M 7M 0M 4M 7M
17) Q  Q  Q  Q  Q                 1  1        -  -  -  -  -  -        Q
18) 7M22M30M31M34M37M38M38 38 37 31M25M 9M 9M 9M 8M10M20M25M18M21M20M37 40 44
18)
19)44 49 47 46 42 48 48 49 48 47 48 48 48 46 42 39M38M40M40 37M19M20M36M 0 17M
19)                           1  1  1  1  1  1  1  1  1                 Q
20)17M14M17M20M18M10M 0M 0M 0M 0  0  0  0  0 17M12 12 10M10M 4M 0 10M17M10M
20)                   Q  Q  Q  Q  Q  Q  Q  Q  Q  -  -  -  -  -     Q     -
21)10M36M37 39 44 10M26M39M42 42 40M32M17M 0  6M 4M10M18M10M12M13M12M29M31M30M
21)                                       Q  -
22)30M29M31M34M30M36M29M32 34 33 28M 7M 8M 6M11M18M11M10M11M 0M 0M 9M27M27M30M
22)                                 -  -                    Q  Q
23)30M30M25M30M32M 0M 0 30M32M31M32M26M10M10M 5M 6M20M20M20M22M24M22M22M27M21M
23)                Q  Q                    -
24)21M21M27M33M38 40 41 43 46 49 46 45 42 11M19M17M20M20M23M29M22M27M22M20M17M
24)
25)17M41M60 67 71 70 69 72 76 78 80 80 78 64M41M19M15M25M 6M16M12M15M47M 0M18M
25)                                                          -     Q
26)18M18M17M21M20M14M10M 9M 6 99 13 11M 0  0  0 10 12  0 10 99 10 99 99 42  0
26)                -           -  -  Q  Q  Q  -  -  Q  -     -           Q
27) 0  0  0  0  0  0  0  0  0 32 24  0  0  0  0  7M 7M13 10 10  9  0  0  0  0
27) Q  Q  Q  Q  Q  Q  Q  Q  Q        Q  Q  Q  Q              -  -  -  Q  Q  Q  Q
28) 0  0  0  0  0  0  0 10 37 20  7  0  0  0  0 36 62  0  0  0 29 25 21 10M 6M
28) Q  Q  Q  Q  Q  Q  Q  -        X  X  X  X           Q  Q  Q     -
29) 6M10M 5M 5M 4M 4M 5M 9M 9M19M14M34  5M 6M15  8 10  8M20 22  0  0  0  7M 6M
29)              -  -  -                -  -  -  -  -           Q  Q  Q
30) 6M 6M 8M 8M 6  0  0  0  0  0  7M10M 0  0  5M 4M 0  4M 5M 6M 7M 7M 7M15M16M
30)        -     -  Q  Q  Q  Q  Q        Q  Q  -  -  Q     -
-------------------------------------------------------------------------------
  / 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
-------------------------------------------------------------------------------
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SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 11, EL CERRITO UTMX=560, UTMY=4195, SODAR HT= 18 M ASL

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

```
DAY-----------------------------------------------------------------------------------------------------------
  / 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
-----------------------------------------------------------------------------------------------------------
 1)16M17M19M 7M12M12M21M20M 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 1)                  -  -          X  X  X  X  X  X  X  X  X  X  X  X  X  X
 2) 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 2) X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X
 3) 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
 3) X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X
 4) 0  0  0  0  0  0  0  0  0  0  0  0  0  5M 5M 5M 5M 9M 8M 7M 5M11M 9M10M15M
 4) X  X  X  X  X  X  X  X  X  X  X  X  X     -  -  -  -  -  -  -
 5)15M10M14M12M11M 5M 6M 7M 9M 7M13M13M12 99 99 99 99 99 11  6M 5M 5M 5M 6M 6M
 5)     -                 -  -          1  1  1  1     -
 6) 6M 7M 6M 4M 4M 4M 7M 5M 4M 7M11M10M 5M 7 10  4M 5M 6M 6M 7M 9M 6M 4M 5M 7M
 6)           -  -  -  -                -  -  -        -
 7) 7M 5M 8M 7M12M10M12M10M 5M13M13M19M19M16M13M13M20M26M30 28M19M23M16M19M20M
 7)           -                       1  1  1  1  1  1  1  1
 8)20M20M20M17M28M30M 5M12M26M21M22M 0  4M10M 4M 5M 6M 8M 4M 6M 3M 5M 8M 4M12M
 8)                  -                G     -  -  -  -                 -
 9)12M12M12M14M17M20M21M23 27 23 24 13 14M12M11M12M18 21 21  6M10M 0M10M 5M20M
 9)                                                                   Q
10)20M33 38 40 38 39 39 36M37M38M36M38M15M17M 9M19M21M28M26M25M28M29M37M31M28M
10)
11)28M30M38 33 34 35 33M31M24M 0  0  0  0  0  0 11M10M 8M11M10M 9M 9M10M10M 6M
11)                          X  X  X  X  X  X  -  -  -
12) 6M 8M 8M10M 6M 6M 7M 7M13M13M12M13M10  9  6M 9  8  4  7M 6M 6M 0  5M 3M 0
12)                 -  -          1        -           -  Q  -  -  Q
13) 0  0  9M 8M 9M 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
13) Q  Q           X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X  X
14) 0  0  0  0  0  0  0  0  0  0  0  0  0  0  4M 7M 8M10M15M15M15M22M30M30M30M
14) X  X  X  X  X  X  X  X  X  X  X  X  X  X
15)30M30M28M30M30M31M30M31 31 32 30  9M 9M 8M 4M 4M 5M 0 10 15M12M12M10M10M 0
15)                                                    Q  -                 -  Q
16) 0 11M 4M 4M 4M 7M 0  0  6M15M22M 7M 0  7M 8M 8M 8M 5M 9M 9M10M 8M10M 5M 9M
16) Q     -  -  -  -  Q  Q  -          G  -  -  -  -  -  -                 -
17) 9M 4M 6M 9M12M10M 6M 8M 8M 7M 7M11M10M 5M 6M 7M10M 8M 5M 6M10M10M12M19M22M
17)    -     -                                  -  -     -
18)22M30M30M28M32M45 49 52 54 56 44 35 24M22M20M10M26M30M 0 18M18M21M32M28M 0
18)                 1  1  1  1  1  1  1                 Q                   Q
19) 0  0 54 50 50 46 43 42 39 39 38 30 28 24  5M 8M 8M 8M18M19M18M20M 6M 6M 7M
19) Q  Q                    1  1  1  1                 -  -                 -  -
20) 7M 5M 7M 4M 4M 5M 6M 0  0  8M 9M12M18M 7M 5M 5M 6M 8M 5M 8M10M 5M 8M15M14M
20) -  -     -  -        Q  Q          -           -  -  -  -
21)14M19M20M 3M 4M 3M21M22M23M22M19M15M10M 6M 6M 7M12M14M12M13M17M22M30M35M38M
21)          -  -  -
22)38M44M48M49M48M49M41M54M61 56 55 64 58M50M43M13M22M35M31M31M40M23M33M35M36M
22)                       1  1  1  1  1
23)36M41M50 53 60 60 55 60 61 62 59 58 59 18M17M16M15M14M15M13M14M18M17M23M49M
23)
24)49M50M53 55 58 58 60 62 57M53M50M44M41M38M33M20M 0  9M 7M20M14M13M12M 0 22M
24)                          1  1  1  1        Q  -                    Q
25)22M10M14M 8M 9M 9M 6M 7M10M10M25 99 99 99 99 99 23  7 10  7M 5M 0  0  0 13M
25)                 -  -  -  -  -     1  1  1  1  1  1                 G  G  G
26)13M12M 5M 3M 3M 3M 6M 6M99 99 99 99 99 99 99 99 99  0  0  4  4  8  0  8
26)        -  -  -  -  -  -          1  1  1  1  1         Q  Q  -  -     Q  -
27) 8  6 10  5  8  7  4M 0  0  0 99 99 99 99 99 99  7  5M 8M 5M10M 7M10M 0M 0M
27) -  -     -        -  Q  Q  Q  1  1  1  1  1  1  -                    Q  Q
28) 0M 7M15M15M 5M 6M19M21M30M25M28M27M21M13M 8M11M12M 6M 4M11M 9M16M10M31M33M
28) Q           -  -                          -  -
29)33M35M43M41M43 47 45 50 50 49 50 51 50 27M11M13M13M30M27M20M15M27M27M29M39
29)
30)39 36 42 43M44M14M11M19M22M20M12M 0 14M18M11M11M29M30 12M 9M15M22M 5M22M29M
30)                                  Q
31)29M 5M 7M33M 4M 6M 5M 4M 5M13M13M 0  0  4M 7M 8M 5M 6M 6M 5M 6M 7M13M 6M 8M
31)        -     -  -  -  -  -       Q  Q           -  -  -                 -
-----------------------------------------------------------------------------------------------------------
  / 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
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SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 11. EL CERRITO UTMX=560. UTMY=4195. SODAR HT= 18 M ASL

NOVEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	8M	11M	7M	11M	16M	19M	4M	5M	5M	7M	11M	11M	8	99	99	99	99	99	99	99	5M	4M	9M	15M	13M
1)							-	-		-			-	1	1	1	1				-	-			
2)	13M	4M	5M	4M	5M	7M	7M	6M	14M	7M	12M	0	12M	11M	0	0	0	0	0	0	0	0	0	0	0
2)		-	-	-	-	-	-	-		-		Q			X	X	X	X	X	X	X	X	X	X	X
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 12, DUBLIN CYN UTMX=591, UTMY=4172, SODAR HT=183 M ASL

AUGUST 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
19)	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
19)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23)	0	0	0	0	0	0	0	0	0	99	99	99	99	99	99	99	99	0	0	0	0	0	0	0	0
23)	X	X	X	X	X	X	X	X	X	1	1	1	1	1	1	1	1	X	X	X	X	X	X	X	X
24)	0	0	0	0	0	0	0	0	0	0	0	99	99	99	99	99	99	99	20	20	19	20	20	23	25
24)	X	X	X	X	X	X	X	X	X	X	X	1	1	1	1	1	1	1	1	1					
25)	25	29	35	40	42	40	38	38	32	33	34	33	35	37	38	35	36	33	21	17	20	28	28	20	16
25)										1	1	1	1	1	1	1	1	1	1					1	1
26)	16	15	18	17	17	12	11	10	0	99	99	99	99	99	99	99	99	22	20	14	8M	10M	14M	10M	9M
26)	1	1	1	1	1	1	1	1	Q	1	1	1	1	1	1	1	1	1			-	1	1		
27)	9M	0	5M	5M	5M	5M	4M	4M	18	7M	18	28	99	99	99	99	99	99	99	99	6	7	5	5	7
27)		Q	-	-	-	-	-	-		-	1	1	1	1	1	1	1	1	1		-	-				
28)	7	7	6	4M	4M	5M	5M	4M	10M	12M	18M	99	99	99	99	99	99	20	19	14	18	18	16	5M	5M
28)		-	-	-	-	-	-	-		1	1	1	1	1	1	1	1	1						-	-
29)	5M	7M	8M	6M	4M	6M	4M	10	10	13M	14M	16M	19	19	20	21	21	20	16	10	7M	5M	6M	6M	9M
29)	-	-	-		-						1	1	1	1	1	1	1	1	1				-		-
30)	9M	9M	10M	7M	6M	8M	7M	7M	6M	10M	11	19	21	21	20	21	20	20	16	9M	6M	11M	9M	11M	13M
30)	-	-	-						-	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-
31)	13M	14M	10M	10M	12M	10M	9M	5M	4M	9M	12M	17M	20	20	20	22	22	20	15	10	10M	8M	6M	15M	4M
31)	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1				-			-	-
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 12, DUBLIN CYN UTMX=591, UTMY=4172, SODAR HT=183 M ASL

SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	4M	6M	8M	8M	7M	6M	17M	24M	24M	21M	25M	25M	25M	25	22	23	23	20M	15M	19M	11M	14M	13M	9M	7M
1)	-	-	-	-	-	-				1	-	-	-	-	1	1	1	1	1					-	-
2)	7M	16M	12M	12M	10M	9M	5M	11M	12M	20M	22M	26M	30M	30	32	30	26	20	20	20	5M	10M	11M	20M	22M
2)	-									1	1	1	1	1	1	1	1	1	1						
7)	6M	5M	6M	4M	6M	11M	8M	6M	6M	11M	30	48	72	99	99	99	99	99	20	9M	6M	6M	7M	6M	5M
7)		-	-			-	-	-	-	1	1	1	1	1	1	1	1	1			-	-	-	-	-
8)	5M	7M	6M	6M	6M	6M	5M	10M	10M	20	25	99	99	99	99	99	99	99	99	99	6	7	7	7	7
8)	-							-	-	1	1	1	1	1	1	1	1	1			-	-	-	-	-
9)	7	7M	7M	6M	7M	8M	8M	7M	7M	5M	18	99	99	99	99	99	99	99	22	12	0	0	0	0	0
9)	-	-	-	-	-	-			-	-	1	1	1	1	1	1	1				Q	Q	Q	Q	Q
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 12, DUBLIN CYN UTMX=591, UTMY=4172, SODAR HT=183 M ASL

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
4)	0	0	0	0	0	0	0	0	0	0	0	0	99	99	99	99	99	35	21	5M	5M	7M	7M	7M	8M
4)	X	X	X	X	X	X	X	X	X	X	X	X	1	1	1	1	1			-	-	-	-	-	-
5)	8M	8M	8M	7M	10M	12M	14M	10M	10M	9M	12M	20	99	99	99	99	99	99	10	5M	7M	9M	9M	10M	13M
5)	-	-	-	-	-	-	-	-	-	-		1	1	1	1	1	1	1		-	-	-	-	-	-
6)	13M	11M	12M	10M	11M	11M	10M	10M	9M	10M	8M	15	99	99	99	99	99	99	99	7M	7M	5M	10M	7M	5M
6)	-	-	-	-	-	-	-	-	-	-	-		1	1	1	1	1	1		-	-	-	-	-	-
7)	5M	6M	7M	8M	7M	7M	5M	7M	7M	0	12	28	27	26	25	24	27	28	20	18	14	0M	10M	5M	7M
7)	-	-	-	-	-	-	-	-		Q	1	1	1	1	1	1	1	1				Q	-		-
8)	7M	5M	5M	5M	10M	5M	5M	6M	0	0	0	26	30	25	56	42	27	20	4	5M	4M	5M	6M	10M	10M
8)	-	-	-	-			-	-	Q	Q	Q	1	1	1	1	1	1	1	-	-	-	-	-	-	-
9)	10M	10M	8M	8M	8M	8M	10M	9M	11M	5M	18	19M	20M	20M	25	20	16	10	5M	8M	7M	5M	6M	3M	5M
9)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1									
10)	5	12	15	20	24	21	21	23	24	27	26	22	22	26	27	29	24	0	17	18	24	25	29	35	35
10)	-	-								1	1		1	1	1	1	1	1							
24)	36M	41	41	42	46	45	49	49	51	50	50	51	51	47	48	43	47M	41M	46M	37M	30M	22M	17M	10M	9M
24)										1	1	1	1	1	1	1	1	1							
25)	9M	9M	9M	10M	11M	10M	6M	7M	6M	5M	0	51	99	99	99	99	99	23	7M	10M	9M	10M	9M	9M	10M
25)							-	-	-	-	Q	1	1	1	1	1	1	1	-	-	-	-	-	-	-
26)	10M	12M	13M	0	0	0	0	0	0	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
26)	-	-	-	Q	Q	Q	Q	Q	Q	1	1	1	1	1	1	1	1								1
27)	5M	5M	6M	7M	9M	8M	7M	8M	7M	7M	13	20	32	35	99	99	99	99	7	8M	10M	8M	8M	9M	11M
27)	-	-	-	-	-	-	-	-	-	-		1	1	1	1	1	1		-	-	-	-	-	-	-
28)	11M	8M	10M	6M	8M	8M	10M	12M	9M	9M	11M	20M	28	38	33	32	22	27	8M	12M	8M	6M	4M	10M	0
23)	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1		-	-		-	-	Q
29)	0	0	0	5M	5M	25	24	19M	28	25	27	31	31	30	33	35	31	25	10M	7M	10M	10M	12M	8M	0
29)	Q	Q	Q	-	-					1	1	1	1	1	1	1	1	1							Q
30)	0	35	31	38	45	47	49	47	42	40	40	35	30	35	33	99	33	20	16	5M	4M	3M	4M	5M	10M
30)	Q										1	1	1	1	1	1	1	1		-	-	-	-		
31)	10M	5M	7M	22M	16M	7M	10M	5M	6M	6M	10M	20M	40	43	57	27	24	11	4M	6M	8M	7M	7M	7M	7M
31)			-						-	-		1	1	1	1	1	1		-	-	-	-	-	-	-
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 12, DUBLIN CYN UTMX=591, UTMY=4172, SODAR HT=183 M ASL

NOVEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	7M	5M	3M	9M	12M	5M	7M	10M	11M	10M	10M	22	40	99	99	99	99	99	9M	11M	10M	12M	12M	12	11M
1)	-	-	-	-	-	-	-	-	-	-		1	1	1	1	1	1	1	-	-	-	-	-	-	-
2)	11M	11M	11M	10M	10M	11M	11M	10M	10M	8M	5M	20	30	38	38	38	0	0	0	0	0	0	0	0	0
2)	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	X	X	X	X	X	X	X	X	X
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 13, SAN LORNZO UTMX=595, UTMY=4169, SODAR HT= 2 M ASL

AUGUST 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
19)	0	0	29	28	22	10	15	0	5M	10	17	20	19	28	99	99	99	8	0	0	0	0	9M	10M	10M
19)	Q	Q						Q	-				1	1	1	1	1		Q	Q	Q	Q			
23)	4	4	4	4	4	4	4	4	4	99	99	99	99	99	99	99	99	99	20	23	28	19M	20M	15M	16M
23)	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24)	16M	20M	22M	22M	11M	7M	8M	5M	6M	39	20M	20M	9M	13M	11M	14M	22	18M	21M	22M	27M	27M	33M	33M	35M
24)	1	1	1			-	-	-	-		1	1	1			1	1	1	1	1	1	1	1	1	1
25)	35M	47M	54	58	52	52	46M	48M	46M	39M	31M	35	35	34	32	38	27	29	29M	12M	19M	10M	24M	28M	30M
25)	1	1	1	1						1	1	1	1	1	1	1	1	1	1	1					
26)	30M	26M	19M	18M	20M	4M	4M	5M	4M	20M	10M	8M	7M	5M	7M	11	18	19M	16M	9M	17M	20M	20M	23M	20M
26)		1	1	1		-	-	-	-	1	1	1	1			1	1	1	1	1					
27)	20M	6M	6M	7M	19M	11M	10M	6M	5M	16M	8M	5M	5M	8M	6	4	10	6M	9M	8M	9M	10M	10M	8M	9M
27)		-	-						1	1	1		-			-	1	-	1						
28)	9M	10M	10M	9M	18M	19M	20M	20M	20M	19M	18M	8M	8M	5M	5M	5M	10M	11M	15M	8M	10M	11M	19M	20M	21M
28)											1	1	1	-	-	-	1	1	1	1	1	1			
29)	21M	19M	17M	13M	19M	20M	19M	20M	22M	23	26	24	21M	15M	6M	5M	7M	7M	7M	8M	7M	7M	10M	10M	11M
29)										1	1	1	1	1	-	-	-	-	-	1	1	1	1		
30)	11M	9M	9M	10M	12M	14M	16M	11M	10M	15M	17M	11M	11M	8M	6M	6M	6M	6M	8M	8M	6M	8M	10M	9M	10M
30)											1	1	1	1	-	-	-	-	-	-	-	-			
31)	10M	9M	9M	11M	16M	12M	13M	18M	12M	15M	0	0	0	0	7M	8M	9M	10M	10M	9M	10M	13M	11M	19M	20M
31)										1	X	X	X	X	-	-	-	-	-	1	1	1	1	1	
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 13, SAN LORNZO UTMX=595, UTMY=4169, SODAR HT= 2 M ASL

SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	20M	16M	16M	9M	5M	5M	10M	8M	41	40	36	25M	13M	10M	20M	21M	18M	22M	16M	20M	25M	30M	10M	25M	26M
1)									1	1	1	1	1	1	1	1	1	1	1	1	1	1			
2)	26M	10M	8M	7M	7	12M	10M	7M	5M	5M	15M	18M	22M	27M	30M	11M	18M	15M	12M	22M	20M	29M	30M	29M	25M
2)		-	-	-				-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7)	10M	10M	5M	9M	4M	4M	6M	5M	7M	9M	7M	6M	5M	10	0	0	4	7	7M	12	8M	12M	10M	10M	11M
7)			-		-	-		-	1	1	1	1	-		Q	Q	-	-	-		-				
8)	11M	5M	5M	6M	7M	6M	6M	6M	6M	8M	6M	5M	10M	9	99	99	99	99	5	7	7M	7M	4M	8M	5M
8)		-	-			-	-	-	-	1	-	-							-	-	-	-	-		-
9)	5M	5M	6M	5M	7M	8M	7M	9M	6M	6M	6M	5	5M	6M	5M	5M	6M	5M	6M	6M	8M	8M	0	0	11M
9)	-	-	-	-			-	-	-	-	-	-	-			-	-	-	-	-			Q	Q	
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 13, SAN LORNZO UTMX=595, UTMY=4169, SODAR HT= 2 M ASL

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
4)	0	0	0	0	0	0	0	5M	6M	6M	6M	5M	5M	7	0	0	0	0	0	0	7M	7M	6M	5M	6
4)	Q	Q	Q	Q	Q	Q	Q	-	-	-	-				Q	Q	Q	Q	Q	Q	-	-	-	-	-
5)	6M	0	99	0	0	0	6M	6M	5	0	5M	5M	6	6	0	6	0	7	7M	6	6	6M	7M	6M	5
5)	-	Q		Q	Q	Q	-	-	-	Q					Q	-	Q		-	-	-	-	-	-	-
6)	5	0	5M	5M	5M	9M	9M	7M	7M	5M	9M	8M	5M	9	0	0	0	0	0	0	0	0	0	6M	6M
6)	-	Q							-	-			-		Q	Q	Q	Q	Q	Q	Q	Q	Q	-	-
7)	6M	7M	10M	6M	9M	6M	0	0	5M	5M	18M	30	30	25	20	16	9	16	33M	27M	23M	23M	20M	22	30
7)	-			-			Q	Q	-	-		1	1	1	1	1	1	1	1	1	1	1			
8)	30	30	29M	33M	26	5M	10M	20M	27M	15M	11M	9M	9M	5M	10M	10M	27	23	22	12	7M	10M	8M	0M	7M
8)			1	1					1	1	1	1	1	1				1	1		1			Q	
9)	7M	8M	5M	6M	10M	9M	10M	9M	9M	12M	15M	13M	8M	5M	6M	7M	5M	12M	9M	10M	11M	13M	17M	20M	24M
9)			-						1	1	1	1	1	1	-	-		1	1						
10)	22	27	33	40	41	37	39	42	42	42	40	37	31	9	25	24	28	30	33	30	29	40	48	48	45
10)														1		1	1	1	1	1	1	1	1	1	1
24)	38	54	58	60	67	63	70	70	70	69	67	99	99	36	40	45	59	0	33	20	42	17	22	8	10
24)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Q	1						
25)	10	15	23	35	38	37	0	0	0	0	38	99	0	0	0	0	0	0	0	0	0	0	0	0	0
25)			1	1	1		Q	Q	Q	Q	1	1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
26)	0	0	0	0	0	0	0	0	0	99	99	99	99	99	99	99	99	99	0	10	0	10	10	10	
26)	Q	Q	Q	Q	Q	Q	Q	Q	Q	1	1	1	1	1	1	1	1		Q		Q		-	-	
27)	10	0	0	0	0	6M	5M	5M	5M	5M	0	0	0	0	0	0	0	99	0	10M	8M	15	8M	10M	7M
27)	-	Q	Q	Q	Q	-	-	-	-	-	Q	Q	Q	Q	Q	Q	Q		Q				-	-	-
28)	7M	8M	4M	5M	7M	7	4M	5M	6M	17M	16M	25M	10M	15M	14M	7M	6M	10M	10M	12M	9M	17M	20M	23M	8M
28)	-	-					-	-			1	1	1	1	1										-
29)	8M	7M	7M	6M	7M	15M	44	40	44	44	42	42	32	30	32	32	30	19	14	19	30	38	32	0	0
29)	-	-	-								1	1	1	1	1	1	1							Q	Q
30)	0	0	0	12	8M	0	0	0	5M	6M	50	50	50	49	37	16	22	23	20	18	10	0	0	0	9M
30)	Q	Q	Q			Q	Q	Q			1	1	1	1	1	1	1	1				Q	Q	Q	-
31)	9M	8M	0	0	25	9M	9M	10	0	0	0	0	0	0	7M	5M	5M	99	16	10	9M	7M	5M	6M	8M
31)	-		Q	Q		-	-	-	Q	Q	Q	Q	Q	Q	-	-	-							-	-
/	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

SODAR DATA (HEIGHTS IN 10'S OF M AGL)

SITE 13, SAN LORNZO UTMX=595, UTMY=4169, SODAR HT= 2 M ASL

NOVEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	8M	7M	6M	7M	7M	0	0	5M	6M	7M	19M	18	8M	7M	0	7M	0	7	9	6	8	8M	5M	18	12
1)	-	-	-	-	-	Q	Q	-	-	-	1	1			Q	-	Q				-	-			
2)	12	7M	0	0	5M	8M	15	17M	8M	6M	14M	17M	17M	16M	20	0	0	0	0	0	0	0	0	0	0
2)		-	Q	Q						-						X	X	X	X	X	X	X	X	X	X
/	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

Appendix B

HOURLY DIGITAL WIND SPEED AND DIRECTION DATA

Table B-1

NUMBER CODE FOR WIND SPEED AND DIRECTION DATA

Entry:	Direction				Speed	
	> 0	0	-99	-88	≥ 0	-88
Meaning:	direction* in degrees	calm	variable	missing data	speed in mph	missing data

*North is 360 degrees

CORRECTION FOR ERRONEOUS CHART SPEEDS

On several of the Caltrans MRI recorders, chart speeds were slightly in error, to the extent that timing errors of several hours could accumulate during the typical periods of one month between chart adjustments. In producing the digital records, a correction for chart speed was made by assuming that chart speed was constant, and then shifting hourly-average data by the nearest full hour whenever appropriate. If chart speeds were indeed constant, this procedure keeps timing errors smaller than ± one-half hour.

SITE 1, PETALUMA . WIND DIRECTION (DEG) AND SPEED (MPH)

AUGUST 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

```
DAY-----------------------------------------------------------------------------
 / 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
-----------------------------------------------------------------------------
11)-88320310270270230-99200210220-99-99-99-99-99300300300300300300210210220260
11) -8  6  6  4  4  3  2  4  4  1  1  1  2  3  4  6  8 12 11 11 10  5  3  3  3
12)260280290300300310230340360200180260270270300300280260260270270280290260260
12)  3  3  2  5  4  3  4  2  2  3  1  1  3  2  4 10 13 12 13 14 10 10  8  7  7
13)260270270230280280270270320280300280280270270260270270280290280290290290290
13)  7  6  9 10 12 12 12  9  5  7  7 10 10 11 14 18 17 17 15  9 11  7  8  8  7
14)290280280290300280290290300330340360240220220220220210210220210160150150
14)  7  8 12  6  5  7  6  4  2  2  2  1  4  7 12 13 12  9 10  8  8  8  5  5  6
15)150150220270300330310350360 50360130260270270260270260280280270280290280330
15)  6  3  4 10  6  6  5  2  2  1  1  1  7  8 11 13 14 13 12 13 13 10  6  5  4
16)330360290320310280-99 90120100 90140180-99-99320300240220220270310310310310
16)  4  0  2  6  4  2  0  0  1  1  0  1  2  3  4  6  7 10 13 10  8  6  5  4  4
17)220150130150-99-99350-99310-99130150210210200190180190220180130130120120120
17)  2  1  0  0  0  0  2  1  0  0  6  5 10 10 10 10 14  9  5  3  4  4  3  4  5
18)120110110100 90100100110100100120120120150150 90-99330-99-99-99330330260220
18)  5  4  5  4  7  5  4  7  6  6  7  8  9  9  8  4  2  2  2  1  0  2  1  1  2
19)220300310300280310300330310310310300-99-99-99270270280270280310320320310310
19)  2  2  2  3  2  3  1  0  4  6  8  4  3  4  3 12 14 12 10  8  7  6  7  6  4
20)310-99-99120270310260-99360-99120130120120-99290280280290300320310300300290
20)  4  3  0  0  1  3  3  0  1  0  2  4  5  4  5 13 14 12 12 10 10  8  6  5  4
21)290290300290310280320310300280310270280300280240250250290300300310320310290
21)  4  6  4  5  4  2  3  3  3  6  4  6  6  6  8  9 12 11 12 11  9  8  9  9  8
22)290270270290270300280310300300-99-99300290280290280270290270280300310310280
22)  8  7  7  5  4  4  4  4  1  2  3  4  5  7 12 11 11 12 11 11 10  5  6  5  3
23)280260280310330320310300280290290270270290290290280290280280280280280290300
23)  3  5  4  3  2  1  1  3  3  5  4  5  5  8 11 12 12 14 13 12 10  8  5  5  5
24)300320330 30-99-99-99-99320330300-99-99310310300290290270270280290300310310
24)  5  3  1  1  0  0  0  0  2  2  1  2  3  3 10 13 14 13 12 12 11  8  6  5  2
25)310290280280300280340330310320320270270250250260250240240230240260260280270
25)  2  5  8  7  5  4  3  2  3  2  3  9 11 11 14 15 15 10 10 11  8  6  4  5  7
26)270270-99-99-99310330 50-99-99310320290300290280280270250250270270300320320
26)  7  6  2  0  0  1  1  1  0  0  2  6  5  6  8 10 12 14 11  9  9  6  4  5  4
27)340320310290290-99-99270310-99320280-99310290280290320320330310310320310300
27)  2  2  1  1  2  0  0  1  2  1  2  2  2  6 11 11 11 11 12  9  5  5  3  3  3
28)300290320330320310330-99310300310310-99-99300290290310320320310300310310310
28)  3  3  1  1  1  2  1  0  2  2  2  2  2  3  7 12 12 11 12 12 10  6  6  6  8
29)310320300290290300310320320300-99-99310300290290300290320320320320320310
29)  8  7  7  6  6  7  5  1  2  2  1  2  3  4  4 10 11  8  9  8  7  6  7  8  5
30)310310310300290300300300290290310300-99320310320300300320300300310320320310
30)  5  4  5  5  4  2  3  3  4  4  4  4  3  4  7 10 10 10 10  9  5  8  6  8  6
31)310320310310300300300300310310320280290310300310310310310310310310310320
31)  6  5  6  5  5  5  3  3  4  3  3  4  4  6  8 11 11 10  9  9  9 10  6  5  3
-----------------------------------------------------------------------------
 / 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
-----------------------------------------------------------------------------
```

SITE 1, PETALUMA . WIND DIRECTION (DEG) AND SPEED (MPH)

SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

```
DAY-----------------------------------------------------------------------------
 / 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
-----------------------------------------------------------------------------
 1)320330330330310310310320310320-99-88-88-88-88-88-88-88-88-88-88-88-88  0  0
 1)  5  5  5  4  5  5  4  4  2  2  1-88-88-88-88-88-88-88-88-88-88-88-88  0  0
-----------------------------------------------------------------------------
 / 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
-----------------------------------------------------------------------------
```

SITE 1, PETALUMA . WIND DIRECTION (DEG) AND SPEED (MPH)

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
27)	-88	-88	-88	-88	-88	-88	-88	-88	-88	-88	-88	-88	-99	-99	-99	-99	28	30	30	31	29	30	32	32	31
27)	-8	88	-88	-88	-88	-88	-88	-88	-88	-88	-88	2	3	2	3	3	14	8	4	3	2	3	2	2	0
28)	32	31	0	28	0	28	0	28	0	27	0	32	0	32	0	31	0	31	0	-99	31	0	30	0	29
28)	2	3	3	0	1	2	3	1	3	2	2	4	3	2	1	4	6	9	7	5	4	2	3	2	0
29)	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
29)	0	0	0	0	0	2	0	0	1	1	0	3	2	2	2	4	3	3	3	4	3	2	0	1	1
30)	-99	0	0	32	0	32	0	34	0	-99	31	0	30	-99	-99	33	0	34	0	33	0	31	0	30	0
30)	1	0	0	2	3	3	2	2	2	1	2	1	3	7	7	5	12	9	5	7	4	2	3	2	4
31)	28	0	28	0	29	0	30	0	-99	33	0	34	0	34	0	32	0	35	0	32	0	-99	33	0	32
31)	4	3	4	4	1	3	3	3	3	3	2	2	3	4	7	9	10	9	7	6	3	3	3	0	2

SITE 1, PETALUMA . WIND DIRECTION (DEG) AND SPEED (MPH)

NOVEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	-99	-99	-99	-99	31	0	32	0	0	-99	27	0	32	0	32	0	-99	-99	31	0	30	0	-99	0	0
1)	2	1	2	1	1	0	1	0	1	1	3	3	1	2	3	5	7	4	3	2	2	0	0	0	1
2)	-99	30	0	-99	27	0	29	0	0	0	0	0	-99	14	0	15	0	15	0	14	0	14	0	15	0
2)	1	1	1	1	0	1	0	0	0	0	0	1	9	11	12	10	9	8	5	3	4	2	0	0	0
3)	0	30	0	28	0	29	0	29	0	27	0	29	0	12	0	13	0	13	0	13	0	14	0	13	0
3)	0	2	1	2	0	2	2	0	1	0	1	0	8	8	7	7	9	6	5	1	0	0	1	1	1

SITE 2, MARTINEZ . WIND DIRECTION (DEG) AND SPEED (MPH)

AUGUST 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

```
DAY-----------------------------------------------------------------------------
 / 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
-----------------------------------------------------------------------------
15)170160170250240250250250240220220200210210220210220230240240240240240240230
15) 10  8  5  8  7 10 11 12  6  9 10 10 11 11 12 11 11 13 13 10 11 11  8  8  7
16)230160-99-99160190190200-99-99230270240270270240230230220250240220220-99160
16)  7  4  1  1  3  3  3  2  1  2  5  8  7  8 10  9 11 12 12 10  7  7  5  2  4
17)160190-99-99-99-99-99-99140-99180140160180170180190200190180160130130160180
17)  4  3  2  2  1  1  1  1  3  3  4  5  6  8  6  8 11 13  8  6  4  3  3  3  4
18)180130130 90140140160-99 60 20 40 30 50 60 60 80-99350350360350 40 60 50170
18)  4  2  3  3  3  4  3  2  4  6  7  8  7  8  7  5  3  4  3  3  3  4  5  3  2
19)170180190200180210270-99270270-99-99-99-99 40360360360300190150-99-99260280
19)  2  3  2  2  4  3  3  3  4  4  3  2  3  5  5  4  4  5  6  5  3  2  2  4  4
20)280280230310280270-99-99-99-99360360350330300280240210230220230230240270250
20)  4  4  3  2  5  2  1  1  2  3  4  5  6  5  7  9 10 11 10 10 11 11  5  6  4
21)250-99240250270250250240250240230240270270250230210220220220200-99250230230
21)  4  2  8  8  8  8  8  8 10 10 11 10 12 13 13 14 16 16 14 15 12  5  9  9  9
22)230240240230210220190190-99200190180190250270240270280270240230200260240260
22)  9  7 10  9  8  9  8  4  2  7  7  7  5  8  9 10 10 12 11  8  7  5  7  7  7
23)260200190-99210-99-99250270280270280280300290280280280270260260250230210200
23)  7  5  5  1  2  1  1  4  5  6  8  9  8  8 10 10 11 11 10 11 13 13  3  6  6
24)200-99-99-99-99-99-99-99-99-99290290300300300290290280270260260270220180-99-99
24)  6  2  1  1  1  1  1  1  2  6  8 10 10 11 12 11 11 12 11 11 13  8  3  2  2
25)-99-99-99-99-99-99-99160150-99280280270250250260230240240260230220220210230
25)  2  3  3  4  3  2  1  6  4  4 10 11 12 12 12 11  9 11 11 10  7  6  6  6  8
26)230200170-99-99-99-99-99-99250280270280290290280290290270260250260270260270
26)  8  5  3  1  1  1  1  1  1  3  7  5  8  9  9  9 10 10 10 10  9  8  6  4  7
27)270260210-99230-99-99-99270270270270280280270280270240250260280260260260250
27)  7  6  2  1  3  2  1  1  5  6  6  7  9  8  9  9  9 11  9  8  5  4  4  4  5
28)250260260260250270270-99270280270270270270280290270280280280270270270260270
28)  5  5  6  7  4  6  8  3  7  8  7  8 10 10 10 10 10  9  9  9  7  8  6  6  6
29)270280270280270270260270260270270270270270270270270270270270260250250260250
29)  6  7 10  9  8  8  9  8  7  8  8  9  9  8  9  9 10  9  9  7  6  6  5  4  3
30)250250250260260260270270270280270270270270270270280290280270270270250260260
30)  3  6  7  5  5  7  8  8  8  9 10  9 10  9  8  8 10  8  7  8  6  6  5  6  4
31)260260260260270280280270280270280280270290280280270270270260270270270270260
31)  4  4  8  9  7  6  7 10  9  9  9 10 12 15 11 11  9 10 10  8  8  8  7  8 10
-----------------------------------------------------------------------------
 / 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
-----------------------------------------------------------------------------
```

SITE 2. MARTINEZ . WIND DIRECTION (DEG) AND SPEED (MPH)

SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

```
DAY-----------------------------------------------------------------------------
 / 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
-----------------------------------------------------------------------------
 1)260270260270270280280270270290280280270270270260270270290280260260260260270
 1) 10  9  7  8 11 11 10 10  8 11 11 12 11 12 15 13 12 11  8  8  7  7  7  6  5
 2)270260260260260270260260260260270280280290290280270260250260290260250260-99
 2)  5  6  6  7  5  4  5  5  7 10 10 11 13 14 14 12 11 10  8  5  5  5  5  6  3
 3)-99-99230220220220230240260280290280280280280270250250240220200270270270260
 3)  3  2  6  7  5  5  5  6  7 10 11 14 15 14 14 13 12 10  6  8  7 10 11 13 14
 4)260250240240250260250260270280280280280280270270250210200-99270260250270270
 4) 14 10 13 11 11 10  6  6  7  9 10 12 13 14 12 15 12  8  7  3  5  5  7  8 12
 5)270250260270270270280260270270270270280290280270250260270240160150150140150
 5) 12 10  9 10  9  8  9 10 11 14 14 14 14 15 11 12 11 10 10  7  5  6  7  5  7
 6)150140150160150150170-99-99-99-99260290290300300300250270270270270270280260
 6)  7  5  8  7  6  5  2  3  1  3  3  7  9 10 10 10 11  8  7  4  5  5  6  4  3
 7)260270250180-99-99-99220240280-99 30 20 20 30 30 30 30360320270250-99-99-99
 7)  3  7  7  3  2  1  2  2  4  5  4  5  6  9  8  6  6  4  3  6  9  5  2  1  1
 8)-99-99-99-99-99190-99  0  0-99-99 30 30360360350 10340310290270250270-99-99
 8)  1  1  1  1  2  2  1  0  0  1  3  6  5  4  6  4  4  4  5  4  7  5  3  2  2
 9)-99-99-99200200190210-99-99-99-99-99360340330310290270240240240240-99220-99
 9)  2  1  2  2  1  2  2  1  2  1  2  4  4  6  6  9  7  7  8  9  8  8  3  5  4
10)-99270250270260270270270270280290270280250240240260290270270280270280290
10)  4  4  5  6  5  5  6  7 10 10 10  9  6  7  8  7  9  7  8  6  5  5  7  8  6
11)290270270-99230200190180190200200200220230240230240240230230250230230240250
11)  6  6  5  3  9  8  6  5  5  8  9  8  9 10 11 12 11 12 10 10  9  6  6  6  6
12)250240230240250240230250210-99-99300280290280290310280270270250240240200-99
12)  6  6  5  8  6  8  7  7  4  4  4  6  9 10  9  8  9  7  9  9 10 10  8  5  1
13)-99  0-99-99-99-99-99-99270-99280280310300300280280280260250250210-99-99-99
13)  1  0  1  2  1  1  2  1  5  3  8  8  5  7  9 10 10 10  8  8 10  4  2  1  1
14)-99-99-99180180200200-99-99260280260270270250240240250220210200160150140150
14)  1  1  2  5  4  5  5  2  3  7  9  8 10 10 10 12 13 14 14 13  8  7  5  6  4
15)150160150150160160160160140140140130170180200210210200200200200190220260230
15)  4  6  6  5  6  6  7  5  4  6  6  8  8  8 10 13 11 11 11 10  6  8  6  7  5
16)230220290240230220240230220240270280300300290290250240240240240250240240240
16)  5  4  3  4  3  4  6  6  5  6  7 10 11 10 11 13 10 10  8  9 10  9  6  8  8
17)240230220210210220220220230250270290300300290280280270270270260240250240-99
17)  8  6  6  4  4  4  5  7  6  8  7  9  7  5  6  7  9  9 12 13 11  9  5  4  1
18)-99280230-99  0-99  0-99280270270270270290290280270280270270280280280260-88
18)  1  4  3  1  0  1  0  1  3  4  5  6  9 11 12 11 10 10  9  8  8  6  6  5 -8
19)-88270260250250240170-99180300310310310280260250300300290290240230230240230
19) -8  8  8  8  6  5  1  1  3  7 11 12 13 13 16 12 10  9  8  8  9  7  9  7  6
20)230210210210210240230240240240240260270270270270260270270250230230220200220
20)  6  6  7  6  5  7  7  9  9 10 11 12 11 12 13 14 13 11 11  8  7  6  6  7  5
21)220225210230210220240240250230280280280280270270250260260270270240230220240
21)  5  4  3  6  6  4  6  9  8  6 10 11 13 12 13 12 11 11 10 11 10  6  6  4  6
22)240-99-99-99-99-99-99-99-99270290280280280280270260260250240230-99-99-99-99
22)  6  2  2  2  2  1  2  1  2  6 10 10  9 10 12 11 12 11 12 10  6  2  2  1  1
23)-99-99-99-99-99-99260240250260280290270300280280280270270270250280-99260260
23)  1  2  1  1  1  1  6  3  8  8  9  7 10 10  9 10 12  9  9  9  7  6  3  5  5
24)260260280280270270280270260260250280280270270250240230230220230280270270260
24)  5  6  8  8  7  7  6  9  9 10 11 13 14 15 14 12 12 13 10  5  3  3  2 10 12
25)260260250240240230225230230230230220220220210240230230240240240240240240240
25) 12  9 12 11 12 10 10 11 10 10 10 11 13 13 11 11 11  9 11 13 11 14 12  9  9
26)240240240230220230240240230240230290280220250250240210230250250260240240250
26)  9  8  9  8  6  6  8  8  8  6  5  5 10 10 12 12 13 10 10 10  8  4  3  5  6
27)250260270260325-99-99-99 30 80 60360 20180220260270260280250220180180220-99
27)  6  5  4  2  3  1  1  2  3  2  3  6  6  6  4  8 11 12 11  6  7  4  3  4  2
28)-99-99-99280270280310 40 30360360360360360 30 40 50 45 50 30-99-99-99200210
28)  2  2  1  2  5  4  3  2  2  4  4  2  2  3  4  8  8  7  5  5  2  1  2  3  2
29)210-99250240230260270220150160270270260-99170150 60 20360340-99-99-99-99-99
29)  2  2  4  5  7  8  8  6  6  3  5  8  6  3  6  6  6  8  6  6  4  1  4  3  3
30)-99-99-99160140-99-99-99260260220190210280250260240240240210220240230-99-99
30)  3  2  2  7  5  4  3  2  4  6  6 10  7 13 11 14 14 12  8  9  8  7  4  1  2
-----------------------------------------------------------------------------
 / 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
-----------------------------------------------------------------------------
```

SITE 2, MARTINEZ . WIND DIRECTION (DEG) AND SPEED (MPH)

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

```
DAY-----------------------------------------------------------------------------
 / 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
-----------------------------------------------------------------------------
 1)-99-99-99-99-99-99-99-99-99230160230220190190240280250190200190220240200210200
 1)  2  3  2  1  1  1  1  3  9 10 12 13  7  7  5  5  7  7 10  8 10  9  7  5  5
 2)200200190190200210200160180180190160200200230220280240240240230250240230220
 2)  5  8  8  9  8  7  5  4  5  5  8  6  6  6  5  5  6  7  8  7  6  7  6  5  5
 3)220190  0-99-99110 90  0-99290270270280300300290270270240230250240220-99-99
 3)  5  3  0  1  2  2  2  0  1  4  5  7  8  5  7  7  9 10 10  9  8  5  3  2  1
 4)-99-99270225-99260-99-99-99-99-99 50 20340-99-99290280270270250230200-99-99
 4)  1  2  3  3  2  3  2  1  1  2  2  4  4  4  3  3  7  7  7  7  9  7  5  2  2
 5)-99-99260230-99-99  0  0  0-99-99 30 30 40 40 30330310230220270290-99  0-99
 5)  2  2  3  4  2  1  0  0  0  1  2  3  7  7  5  5  3  3  2  3  4  3  1  0  1
 6)-99-99-99-99-99  0  0-99  0 10 20340 50 50 40 40 80-99340-99290-99-99-99-99
 6)  1  1  1  1  1  0  0  0  1  0  2  4  3  5  8  8  6  4  2  2  2  4  2  1  2  2
 7)-99  0-99-99-99  0-99-99240250-99280260260260260270270280270270270250260260
 7)  2  0  2  1  2  0  2  1  3  4  2  5  6  8  7  6  9  9 13 12 10 10  6  6  4
 8)260280270250250250250250240240270270270-99260290280270270-99-99-99260230240
 8)  4  6  8  4  5  4  4  2  4  4  8  7  7  3  4  4  6  6  5  2  2  2  5  2  3
 9)240260250260260250230260260270270260260260260260260260260260270250260270270
 9)  3  5  6  5  7  6  4  6  8  7  7  6  7  7  8  8  9  7  7  6  8  5  6  8 10
10)270280280270270225-99-99-99270280280280280290270250240230-99-99140-99-99-99
10) 10  8  9 10  7  5  2  2  3  6 10 10 12 13 11 10 10  8  8  4  4  6  2  2  2
11)-99-99-99-99-99-99-99180160180260270270270280280280270270250250-99-99-99230
11)  2  2  1  1  1  1  2  3  3  3  4  6  6  7  8  9  9 10 11  8  4  2  2  1  3
12)230200190200200190-99-99-99140 70 45 50 40 40 45 30 50  0-99-99-99-99-99  0
12)  3  3  3  4  4  3  2  2  1  3  8 13 11 11 11  9  6  4  0  3  3  2  1  1  0
13)  0  0-99-99-99-99-99-99-99-99330340 10 20 10360350330-99-99-99-99-99-99-99
13)  0  0  1  1  2  1  1  1  1  2  4  5  4  4  5  6  4  3  1  3  2  2  2  2  2
14)-99260260260270270260240260270270270260260270280270270270270280280-99310250
14)  2  5  5  5  6  8  8  4  8  9  7  7  5  8 10 11 11 12 11  8  7  5  2  4  4
15)250-99-99260260250230250-99260270270260280290280280260260260-99-99-99-99-99
15)  4  2  2  4  6  6  4  5  2  6  7  6  7  7  9 11 10  8  8  8  3  1  2  1  1
16)-99-99-99-99-99-99-99-99-99-99300290330330340330300290290270270260-99-99-99
16)  1  1  2  2  2  3  2  2  1  3  3  4  3  3  4  4  5  4  3  7  7  5  2  1  2
17)-99-99-99-99-99190-99-99  0-99-99 30 45 30-99310300280270270260270-99-99270
17)  2  2  1  1  2  3  1  1  0  1  2  4  5  4  3  4  3  5  6  8  8  6  3  2  4
18)270270260250250240250250260270280290280280280290250250240200230230240250240
18)  4  8  8  8  8  8  7  6  8 10 11 11 12 12 12 14 11  8  8  7  7  3  8  9  8
19)240240240250250260250260270270270270270260260270280270270260250280-99-99250
19)  8  9 11 10  8  7  6  6  7  8  8  7  7  6  7  7  8  7  4  5  4  3  2  2  3
20)250260-99-99  0-99  0  0-99270270280260260270260260270260260250260250250240
20)  3  5  2  1  0  1  0  0  1  5  5  5  4  6  7  5  4  6  7  8  6  6  5  4  3
21)240270240240-99-99-99-99-99250250270260260280270270260270230260-99-99-99-99
21)  3  4  5  5  2  1  3  2  2  4  5  6  5  7  8 10  9  7  4  6  5  3  1  1  1
22)-99-99-99210180200180200180150200200200220190180230200190190-99180200150150
22)  1  2  1  5  6  7  5  6  5  5  7  5  6  4  5  5  9 11  9  6  2  4  9  5  4
23)150-99-99260240200190-99210250280290280280260250240240220190200210250240210
23)  4  3  2  4  7  4  3  3  3  6  7  8 10 10 12  9 10  8  5  5  3  3  8  7  4
24)210-99-99-99180-99190200190200210230220210240240230250240240240220180220220
24)  4  2  1  1  3  2  4  5  5  4  7 10 10  9  9 11 10 13 11  8  8  7  5  7  9
25)220230230260250240260250260-88290270300270280270270260250250260260-99-99-99
25)  9 10 10  8  9  9 10  7  8-88  9  6  4  4  5  7  8 10  8  8  4  2  1  3
26)-99210-99-99-99-99330330320310340360 10 10360 10 20 20 10-99-99-99-99-99-99
26)  3  4  1  2  2  3  5  6  5  5 12 14 16 16 14 14 12  8  4  2  2  2  1  2  2
27)-99-99-99100-99-99-99-99-99-99 30 50 40 50 50 30 40-99-99270260240-99-99-99
27)  2  2  2  4  2  2  2  2  2  2  7  7  9  8  7  7  3  2  3  5  5  6  2  2  2
28)-99-99-99-99-99  0  0  0  0-99270280320340330310280270270270250270280230240
28)  2  1  3  2  1  0  0  0  0  0  1  4  6  5  6  5  5  6  7  7  5  6  6  9  4  3
29)240-99-99-99-99-99-99-99-99-99-99300290280280280270260230250270230-99-99260
29)  3  1  2  1  1  1  2  1  1  2  1  8 10 12 11 11 11  7  6  3  4  4  1  1  5
30)260-99-99-99-99-99-99-99-99-99-99-99-99290290290280280270270270260260260-99-99
30)  5  3  1  1  3  3  3  2  2  3  3  3  5 10 10 10 10  9  7  5  5  3  7  3  1
31)-99-99-99-99-99-99-99-99-99250280270300330330270250260270290260260-99-99-99
31)  1  1  2  2  1  2  2  1  1  4  5  6  4  4  6  4  3  4  5  2  4  5  1  1  1
-----------------------------------------------------------------------------
 / 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
-----------------------------------------------------------------------------
```

SITE 2. MARTINEZ . WIND DIRECTION (DEG) AND SPEED (MPH)

NOVEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	-99	0	-99	-99	-99	-99	-99	-99	-99	-99	40	20	20	20	40	30	20	34	0	-99	-99	0	-99	-99	-99
1)	1	0	2	1	1	2	2	1	1	1	2	4	6	8	7	7	6	4	2	1	0	1	1	1	1
2)	-99	0	-99	-99	-99	0	-99	-99	-99	-99	20	20	30	40	40	20	30	20	30	60	10	0	-99	-99	0
2)	1	0	1	1	1	0	1	1	2	1	5	6	9	12	12	10	9	7	5	7	3	1	1	0	0
3)	0	0	-99	0	-99	0	0	0	-99	0	-99	40	50	40	50	60	60	60	-99	-99	-99	0	0	-99	0
3)	0	0	1	0	1	0	0	0	1	0	2	8	9	7	9	8	8	5	1	1	1	0	0	1	0

SITE 3, ANTIOCH . WIND DIRECTION (DEG) AND SPEED (MPH)
SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

```
DAY-----------------------------------------------------------------------------
 / 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
-----------------------------------------------------------------------------
 2)-88-88-88-88-88-88-88-88-88-88-88-88280290290290290290290280270280300290290290
 2) -8 -8-88-88-88-88-88-88-88-88-88 14 17 16 17 19 17 15 11  5  5  7 10 10
 3)290290280280280280280280290290300300290280300280290290280290280280280280
 3) 10 11  7  9 12 14 10 12 14 12 14 14 15 15 16 18 16 16 13  9  5 11 15 16 16
 4)280280280280280280280280290290290300300300300290290280280280270270280280280
 4) 16 15 15 13 11 10 10 11 13 14 10  8 12 13 15 20 18 14 13 12 11 10 11 13 16
 5)280280280280280280280280280280280290280290300300300300290280270330330330210
 5) 16 14 14 12 11  8 11 12 14 12 14 14 14 11 12 16 17 16 16 14  8  3  5  3  6
 6)210150-99210260240-99-99-99-99300310320320320320310300270290280280280280280
 6)  6  4  6 11 10  8  3  2  2  4  8 10 10 11 10 10 14 13 10  9 10  9 10  8  8
 7)280280290290280350320310300360360360 10 40 40 50 70 60 70 40250280290280280
 7)  8 10 13 10  7  5  6  5  5 14 14 11 10  8  6  6  5  5  6  3  3  8  7  3  4
 8)280260280270270310310270320330360350360360 60 50 50 50 40 50-99280270270260
 8)  4  5  5  6  4  3  2  4  5  8 12 10  9  8  5  6  4  5  4  2  2  4  4  7  6
 9)280280280270280260280280290310340360 50360330280280280280260280280280270270
 9)  6  6  4  2  5  2  6  8  6  7  4  3  3  3  5 10 12 10 13 11 12 14 11  9 14
10)270240-99320340280280280280280290300310320300280280280280280280280280290
10) 14  6  3  4  4  6  9 10 10  9  6  4  5  5  4 11 10 10 12 11 11  7  9  9  7
11)290280280210 50 90280270280230120 60 60 50330330330310320280280280280280280
11)  7 10 10  7  6  2  7 10  7  3  2  3  4  4  9  6  9  9 12 14 15 16 14 14 15
12)280270270280280280290290280290300310330360360310290290280280280280280270270
12) 15 16 14 14 16 15 14 14 12  9  9  9  5  5  5  8  8  8  8 10 13 14 15 13 11
13)270270270270270180120180270290310300300310290290290290290290280280270260280
13) 11 10 12 12 10  4  4  3  3  8  7  8  4  6  8 11 12 12 13 13 12 13 12  9 10
14)280-99210210170280270180130-99280290290280290280260260260220190190200190200
14) 10  3  3  3  4  2  4  6  4  3 10 13 12 14 14 13 17 16 14 11 10 10 16 14 16
15)200220180220230210190250-99-99310270-99 40-99290290280280270280270290290280
15) 16  9  7  5  4  6  6  3  2  4  6  6  5  6  9 15 15 13 14 11 12 11 10 15 12
16)280290280270240260290290270-99-99 203303203503402802802902802702602702702702
16) 12 11  6  7  4  2  7 10  8  4  5  6  6  5  6  6 12 13 12 12 16 15 16 16 15
17)270270270270270270270260270290280290290300290290280280280280270270270270280
17) 16 16 13 12 12 13 13 10 12 13 11 10  9  7  8  8  9 11 13 17 18 15 13 12 13
18)280280290290280230130130-99-99-99310320320300290300300290280280270270270270
18) 13 12 10 10 10  6  4  4  2  2  3  5  5  7 10 13 13 15 15 16 17 14 11  7  7
19)270290290280280-99-99270290290300290290290290300290290300270270260270280270
19)  7 12 11 12  7  2  2  2  7  8 11 12 12 14 14 15 17 17 13 14 18 18 15 16 15
20)270270270260260270260260260270290280290290290290290280270270270280270280270
20) 15 15 19 18 17 16 18 16 16 14 16 18 18 18 19 21 21 17 13 11 15 11  9  5  4
21)270270290-99230240-99270270290290290290290290290290280280290270270260260270
21)  4  4 12  6  3  4  3  6  8 11 10 13 12 13 17 18 17 18 14 12 15 15 16 14 11
22)270280270270270240270240270280290290290290290290290290290290280270280270270
22) 11 13 12 12  8  5 10  6  9 12 12 13 14 12 12 15 17 15 15 13 12 11  9  8 13
23)270270-99120120180270290290290310320310300270280270280280270270280280290280
23) 13 13  5  5  4  2  4 13 11 11 11 12 10  9 10 11 14 15 14 16 17 11 12 10 12
24)280290280270270280290290290280290290290290290290290280270260270270270270270
24) 12 10 12 12 10  8  8  9 16 16 16 17 17 18 18 18 19 18 17 18 14 17 11 13 16
25)270270270280270270270270270270270270280280270270270270260260270260270270
25) 16 18 19 20 21 20 15 14 15 17 19 20 20 20 20 22 19 18 19 19 20 20 20 16 17
26)270270270260-99-99240260260260260270-99300310300300290280270270270270280280
26) 17 17 15 10  3  2  7 11 11 12 13  9  6 12 16 20 21 15 14 12 16 13 12  9  9
27)280270180150130130140150150120100100110120-99270270270270270280210210210 90
27)  9  8  4  2  4  5  5  5  5  5  7  9  9  9  7 10 11 10 14 13 10  3 11 10  4
28) 90 90 50120120 90 50-99360360320280220270260280-99-99-99-99220300210200230
28)  4  5  4  3  4  6  4  5  5  4  6  5  4  8  7  6  5  3  5  4  5  5  5  6  5
29)230290270290280280290270190140140-99100150130130120120120-99150140-99-99-99
29)  5  8  8 10 10 10 13 11  7 10  7  4  5 10  7  8 10 13  8  6  7  7  9  5  5
30)-99-99300210-99-99-99-99130 20 40-99320310310300300290270270260270270270270
30)  5  2  5  7  6  5  3  4  4  3  4  5  8 11  8 14 17 16 16 11 12 12 14 12 11
-----------------------------------------------------------------------------
 / 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
-----------------------------------------------------------------------------
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SITE 3. ANTIOCH . WIND DIRECTION (DEG) AND SPEED (MPH)

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

```
DAY-----------------------------------------------------------------------------
 / 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
-----------------------------------------------------------------------------
 1)270270290270290290290280290270210270290240140250300270260270290240250250260
 1) 11  9  9  8  9  9  9 10 10 12 17 14 15  7  9  5  7  9  9  7  6  5 13 10  9
 2)260230210210250240230140130130150190240280260270260260240250260260260270290
 2)  9  6  4  4  6  5  6  4  5  4  6  7  4  7  7  9 10 10  9 10 11 10 10  7 14
 3)290270270280290300300300330300320310270270270270270280270270280270270270
 3) 14 11 10 10  7  7  8  8  7  6  9 10  8  8  8 10 11  9 12 11 13 11 12  9  6
 4)270240270-99 90110140270240300310290330350360360 40-99270270270270280270270
 4)  6  4  6  7  5  2  4  4  3  4  5  5  9 10  9  5  4  3  8  8  9 11 12 11 10
 5)270-99100150210-99350-99-99-99270290290270-99 50 70110130160180180280270270
 5) 10  4  5  5  4  3  2  3  1  2  5  4  5  4  3  4  3  5  6  5  5  3  3  4  4
 6)270290-99140250260270260-99 40 10 30 40 40 50 90140140150140140270300270280
 6)  4  3  3  2  3  4  3  4  2  3  2  2  4  5  4  5  6  8  8  7  6  4  3  3  3
 7)280310 90-99 90110 90-99230280290310270280270280310280280280280280290270280
 7)  3  4  3  2  1  3  2  2  3  4  6  4  7  5  4  4  3  4  9 12 14 14 14 12 12
 8)280280270270270230290290290300310290270280340-99340340310280246260260270320
 8) 12 12 12 11  7  6  7  8  7  6  8  8  6  6  3  2  4  3  3  4  4  4  4  6  3
 9)320-99 60 50-99310360330310310300330340-99 20360360310280270290290280280280
 9)  3  1  2  4  3  5  5  3  4  6  4  4  4  3  5  4  3  4  7  9  7 10  8 10 10
10)280280280280280280290170120300280290290290290290280280290280280240300-99120
10) 10 11 10 12 13  8  6  2  3  7  8 11 11 12 14 14 13 14 12 14 12 12  4  3  4
11)120100130100-99-99280290300290290290280280280280280280280280280290270280280
11)  4  4  4  2  1  3 13 11  9  6  4  6  7  6  8 10 10 10 11 15 11 10  7  6  7
12)280290310320320330350 20 80 70 60 40 30 40 70100 90 60140150170250280230230
12)  7  9  7  7  6  7  9  5  6  4  4  6  6  4  4  4  3  2  4  7  7  3  3  3  2
13)230270100130 90-99300320-99 50 50 20 50 50 70 80 70 60-99200190270270270270
13)  2  2  5  7  4  4  3  3  3  2  3  3  5  4  4  4  3  3  1  2  3  5  7  7  4
14)270250270290-99-99260270280290280290290290290290290290280280280280280280280
14)  4  2  4  4  3  3  5  5  8 11  9  8  7  5  7 10 14 15 15 15 15 13 12 13 12
15)280290290280230240220180180-99-99290280280280290280280270280270270270260270
15) 12  8 10  8  3  3  2  3  3  4  2  7 10  7  9  7  7 10 10 14 14 17 11 10  9
16)270280300290280280280280280280280290300 30330360280290250250270270270280
16)  9 10  7  6  8  5  6  7  3  4  9  9  8  5  3  3  2  4  2  2  6 11 10 10  8
17)280280110140210270310-99140270290290320280270270300290290270270280280280280
17)  8  7  5  6  3  4  3  1  4  3  4  6  8  6  7  5  6  6  4  3  3 13 13 11 11
18)280280280280290290280280290290290300300310290290290280280280280280280280
18) 11 10 11 12  9 10  9 10 14 17 15 11 10 11 12 14 15 15 14 15 14 16 13 15 16
19)280280280280280270200150150260280300320290290290280280280270270280270280280
19) 16 13 13 13 14  9  3  2  3  5 10  8  7  6  4  6  8  8  7  7  8  4  5  5  3
20)280270290290290290270280270290300280280280-99310310300270270270280290290270
20)  8  8  8  9  7  4  4  4  4  5  5  5  6  4  2  4  5  4  4  7  7  4  7  3  6
21)270280110 50310250270290280300290270280280280280280280280280280280260280300
21)  6  5  5  3  4  2  4  4  4  6  6  5  6  7  6 10  8 12 11 11  6  6  3  3  6
22)300270270270130-99-99210-99-99180310290270270290290290290290290290280270240
22)  6  9  6  4  4  4  4  5  4  2  4  9  9 12 11 12 10 13 15 15 12 10 15 12  5
23)240230150310290210130180-99 80140100350320320290290270270250270280280270270
23)  5  3  3  3 10  5  4  2  1  5  4  5  6  8 10 18 16 15 13 14 11 11  9 10  5
24)270270-99-99120130140150180120 90 30-99290280260270260260260250250250250250
24)  5  6  4  3  4  6  5  3  2  3  2  4  5 15 16 16 17 17 16 16 15 14 12 11  9
25)250220260270260260260270290300310310350340320270280280280280280270280290290
25)  9  7 12 14 15 14 13 10 10 12 12  7 10 12 14 13 12 12 13 12 12  9  9  9 11
26)290300300300320320330330340330340340360360360350350350340300270330350330300
26) 11 14 14 15 18 19 25 25 33 28 28 27 26 24 25 21 21 21 15 10  3 12 18 11  5
27)300290 20-99 50120360 90-99-99 50 50 60330 50 50 40150160170260270250240270
27)  5  5  5  2  3  2  2  2  2  3  5  4  4  3  3  4  3  3  4  4  5  5  7  4  5
28)270170120120 90120140270330 10360310290300290280290280280270280280280210260
28)  5  5  7  5  3  2  2  3  2  3  4  5  6  4  6  6  6  8 10  8  9 11 10  9  4
29)260290280280260130130150160210320330320310290280280280280270280280270280280
29)  4  5  7  3  6  3  2  5  4  3  4  6  7  8  8  8 10 11 12  8 10 10  4  4  8
30)280280250270270290280220-99120110 50320290290290290290280280280270260280280
30)  8 12  5  4  8 10  8  4  2  3  4  4  6  8  9 10  8 10 10 10 11  7  6  6  6
31)280-99300270-99150130140120-99350300-99-99280280280290270270290270270270270
31)  6  2  2  4  4  6  5  3  2  1  4  6  2  4  9  8  7  5  5  4  2  4  4  4  5
-----------------------------------------------------------------------------
 / 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
-----------------------------------------------------------------------------
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SITE 3, ANTIOCH • WIND DIRECTION (DEG) AND SPEED (MPH)

NOVEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	270	280	280	-99	110	150	280	300	50	-99	100	330	-99	-99	-99	80	60	90	120	150	170	180	170	240	250
1)	5	7	5	3	3	4	4	2	2	2	2	2	2	3	3	2	3	3	2	5	5	6	4	2	4
2)	250	-99	60	120	120	140	120	90	100	90	60	60	60	50	40	40	30	40	40	50	130	190	190	260	300
2)	4	2	4	2	5	6	5	4	4	4	5	5	6	7	5	4	4	4	5	4	2	3	2	2	3
3)	300	-99	20	-99	300	240	310	250	310	340	340	340	310	50	50	80	90	120	150	150	170	-99	-99	270	280
3)	3	1	2	1	2	3	3	2	4	3	4	4	3	3	4	3	2	2	3	5	4	2	2	4	3
4)	280	-99	120	120	320	40	50	40	100	60	40	60	80	60	50	20	50	60	60	50	130	240	-99	290	260
4)	3	2	3	3	2	3	4	3	3	3	3	5	7	6	5	5	4	3	2	2	3	3	1	3	6
/	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

SITE 4, LIVERMORE . WIND DIRECTION (DEG) AND SPEED (MPH)

AUGUST 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
17)	225	135	270	315	45		0	270	315	45	270	225	270	180	180	180	180	240	240	260	280	280	290	250	240
17)	3	1	2	1	1	0	1	1	2	2	3	2	8	10	12	13	16	12	12	9	6	5	5	7	5
18)	220	80	40	360	20	350	80	90	60	90	80	80	50	50	30	10	330	310	300	30	60	30	30	50	110
18)	5	3	4	4	3	5	3	2	6	11	9	12	10	10	8	7	7	4	4	3	3	7	8	6	4
19)	110	60	120	-99	-99	70	90	30	30	340	330	-99	-99	-99	-99	60	80	80	50	260	240	150	50	120	80
19)	4	3	3	2	1	2	3	4	3	3	2	2	3	2	3	5	8	7	5	6	3	1	2	3	2
20)	80	320	50	130	20	100	140	180	360	-99	120	40	80	60	-99	-99	270	300	300	290	290	290	270	140	270
20)	2	3	2	1	3	3	2	2	1	2	5	8	5	6	5	5	10	12	11	9	6	7	7	3	2
21)	270	260	260	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	270	225	225	225
21)	2	1	2	3	3	3	2	3	2	3	5	5	6	8	11	13	14	13	12	11	9	8	8	8	8
22)	225	225	225	225	225	225	225	225	180	225	225	225	225	225	270	225	225	225	225	225	225	180	180	135	225
22)	8	7	6	5	3	3	4	2	2	4	4	5	5	5	8	8	11	9	10	9	7	3	3	2	2
23)	225	225	315		0	0	0	0	45	180	225	225	225	225	225	225	225	225	270	225	180	180	180	180	225	270
23)	2	1	1	0	0	0	0	1	2	2	4	4	4	4	4	6	9	9	11	11	6	3	5	3	2
24)	270	270	270	225	135	315		0	225	225	225	225	225	225	225	225	225	225	225	225	225	225	270	225	225
24)	2	3	3	3	1	1	0	0	2	2	4	2	5	5	7	8	10	12	9	8	5	6	3	4	4
25)	225	225	225		0	180	225	225	180	225	225	225	225	225	225	225	225	230	230	250	230	230	130	270	250	210
25)	4	5	3	0	2	4	2	2	2	4	5	8	9	9	9	9	13	15	16	12	11	5	7	8	6
26)	210	130	70	80	90	90	-99	-99	-99	-99	-99	10	10	10	30	360	270	290	290	260	230	-99	30	50	0
26)	6	4	3	2	2	3	2	2	2	3	3	7	8	8	6	5	6	8	10	8	3	1	2	2	0
27)	0	0	0	0	0	-99	110	-99	0		0	310	320	-99	-99	-99	270	260	280	280	270	250	140	50	110	-99
27)	0	0	0	0	0	1	1	1	0	0	1	2	4	3	4	6	7	7	10	7	4	3	2	2	1
28)	-99	40	60	80	90	90	90	110		0	330	300	-99	-99	20	40	-99	290	300	300	300	270	250	-99	0	100
28)	1	2	1	1	1	1	2	3	0	3	2	2	3	3	5	3	4	7	8	7	5	3	3	0	1
29)	100	-99	110		0	80	50	140	100	-99	330	-99	290	20	20	20	30	40	40	40	270	-99	50	90	60	100
29)	1	1	2	0	1	1	2	2	1	2	1	3	3	4	5	5	6	6	4	3	2	3	2	2	1
30)	100	100		0	90	100		0	140	100	-99	-99	320	10	20	20	20	30	30	40	30	270	180	180	0	0	180
30)	1	2	0	1	2	0	2	2	1	1	3	4	6	6	6	5	4	4	4	4	2	3	0	0	2
31)	180		0	0	0	0	0	45		0	270		0	225	225	180	180	225	225	225	225	225	180	180	180	225	270
31)	2		0	0	0	0	0	1	0	1	0	1	2	2	3	3	4	8	9	7	4	3	4	4	2	1
/	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

SITE 4. LIVERMORE . WIND DIRECTION (DEG) AND SPEED (MPH)
SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

```
DAY-----------------------------------------------------------------------------
  / 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
-----------------------------------------------------------------------------
 1)270225225  0  022522522522522522522802702702702702502502402402702402402 10
 1)  1  1  1  0  0  2  2  4  3  3  2  3  4  4  4  6  8  8  9  8  3  3  2  1  3
 2)210  0-99120  0120180  0230230-99240180240250270270250240270290-99240240220
 2)  3  0  1  2  0  2  3  0  2  3  2  3  7  7  7  8 10 10 10  7  3  3  4  3  3
 3)220250250230-99210260240240240260250240240270240240280290270230240240240250
 3)  3  5  5  4  2  1  2  3  4  3  6  3  3  3  5  9  9 10  8  5  4  6  3  3  4
 4)250240  0180  0240  0-99320-99260300260260240180180225225225225225225270225
 4)  4  3  0  2  0  2  0  1  1  2  3  3  5  4  6  7  9  8  6  4  4  3  2  3  4
 5)22522527027027022522 5  022522522522522518018022522518018022518022522518018 0
 5)  4  4  3  4  3  2  2  0  1  3  3  5  5  7 10 10  8  8  6  6  5  5  5 -8 -8
 6)180225225225 90135225225180225225180180225225225225180225180180225135135225
 6) -8-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88 -8
 7)225270 90135135135225225225135135135 90 90135 90135135135135 90  0  0 90  0
 7) -8-88-88-88-88-88-88-88-88-88-88-88  4  4  4  5  6  5  2  2  0  0  1  0
 8)  0135  0  0135  0  013518013513513536 0-99-99 50 10 40 50 70110170  0-99 90
 8)  0  1  0  0  1  0  0  1  1  2  1  2  4  3  5  6  7  7  5  3  3  2  0  1  1
 9) 90 80 90 60  0100100100  0  0330360 10 10 40360 40 40270270270270270240200
 9)  1  1  1  2  0  2  2  2  0  0  2  5  4  4  5  3  3  3  8 10  8  4  3  2  2
10)200  0120110  0 90100110  0  029028027027032031027027026026026027027023 0-99270
10)  2  0  1  2  0  1  2  1  0  0  1  1  2  3  5  4  6  5  3  3  3  2  3  1  2
11)270210290270-99270260290290290270160120-99270300290270280270280270270240180
11)  2  2  2  3  1  3  6 10 10  7  2  3  2  3  7  8  6  3  7  6  6  4  4  4  4
12)180230260220230250270260220230230-99-99-99-99270270 1027027022029 0-99220 60
12)  4  3  3  2  2  4  2  3  2  3  3  2  3  4  2  3  4  3  7  7  4  1  2  4  2
13) 60  0  0  0 60 80 50 90  028027027029 0-99260260280225225225225225225180225
13)  2  0  0  0  2  3  2  3  0  1  2  3  2  4  3  5  5 10  8  7  5  5  4  4  2
14)225225180225 45135135225225180225180225225225225225225225225225225225225225
14)  2  2  1  3  2  1  1  1  2  4  4  5  6  7 10 11 12 13 12 15 10 13 13 10  5
15)22522522513518018018018022522 5-99225260250270270270270290310320310310300
15)  5  8  5  2  3  3  3  1  3  3  8  9 10 11 13 14 12 11 12 10  8  6  6  3  2
16)300-99 90 90 90140 90140-99220240210240-99180270250300290290290280290290270
16)  2  2  3  3  3  2  2  3  3  3  4  4  4  4  3  6  6  8 10  8  7  8  7  5  4
17)270230180260250150120180260270270-99280-99-99-99-99290270270250260240230290
17)  4  4  5  3  3  3  3  3  4  4  4  3  3  3  5  4  4  6 11  8  6  6  6  3  3
18)290-99180180130140 90 80-99240240230230260250260260270280270300240230290180
18)  3  2  3  3  3  3  2  1  2  2  3  3  3  5  5  7  7  8 10  6  5  4  6  3  2
19)180220220200200260190230220-99250260260230270270270280280300280290240220220
19)  2  3  4  3  3  3  4  4  3  3  3  5  7  8  6  9  7  7  6  7  5  3  6  6  8
20)220220220220210210220230240260270270225225225225180225225225180225225225225
20)  8  8  7  7  7  8  7  7  7  8  9  8  8 10 10 10 10  8  6  4  3  3  1  2  2
21)225225225225225180180180180180225225225225225225225270225225225225225225225
21)  2  2  3  3  3  4  4  5  5  4  3  4  6  6  8  7 10 10  7  3  5  4  4  3  2
22)225270180270225  0  0  022522522522522522522522518018018018022522522 5
22)  2  2  3  1  3  2  0  0  2  4  3  4  5  6  6 10 10  7 -8 -8 -8 -8 -8 -8 -8
23)225270360360 45 45 45 45315225180220220-99280240270270260240  0 20360110240
23) -8-88-88-88-88-88-88-88-88-88-88  3  2  3  4  5  6 10 10  7  0  1  1  2  6
26)240220220210210230230230240250240225225225180180180180180225225225225225225225
26)  6  5  6  4  5  6  7  7  8  8  9  8 10 10 10 11 11 10  8  6  6  8  5  3  2
27)225225 90 45 45360360360360315360360180180225270225225225225225180180315315
27)  2  3  2  2  1  1  2  1  1  2  3  3  3  8  8  6  6  7  6  7  5  4  2  3  2
28)315315315 90  022527036036036036036036036 45 45 45 45 45 45 45 90270 45180
28)  2  2  1  1  0  2  2  1  4  6  6  4  4  1  4  5  7  4  5  2  2  1  2  1  2
29)180180180180 90315135 45225225225180360360360 45 45 90 90 45 45360315315315
29)  2  1  2  2  1  2  2  2  1  3  2  3  3  2  7  7  5  3  3  1  2  1  2  2
30)315225180315180360315360180180225225225225225225270270225225225180180180180
30)  2  2  3  2  4  1  1  1  1  4  5  6  5  4  4  6  8  8  6  5  4  2  1  2  1
-----------------------------------------------------------------------------
  / 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
-----------------------------------------------------------------------------
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SITE 4, LIVERMORE . WIND DIRECTION (DEG) AND SPEED (MPH)

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

```
DAY-----------------------------------------------------------------------------------------------------------
 / 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
-----------------------------------------------------------------------------------------------------------
 1)180360  0270225  0180180180215180180180270315225225225225225225225225225
 1)  1  1  0  1  1  0  2  2 10  7  5  3  4  2  1  5  6  8  6  4  5  7  6  3  4
 2)225270225225180180180135180180180180180225225225270270270225225225180180225
 2)  4  3  2  3  3  3  3  2  3  3  4  5  5  5  6  9  8  7  6  7  5  5  3  3  3
 3)225225135360  0 45270270  0360360360360360270225225225225225180180180  0  0
 3)  3  3  1  1  0  1  1  1  0  3  7  7  6  5  4  4  7  8  7  4  3  2  2  0  0
 4)  0180  0  0 45  0  0  0  0270225225360360360 45315225225225225225 45  0  0
 4)  0  1  0  0  1  0  0  0  0  1  1  3  6  7  5  4  3  4  5  3  3  2  1  0  0
 5)  0  0  0360  0  0  0  0360270270225315 45 45 45 45 45 45 45 45 45 45 90360 45
 5)  0  0  0  1  0  0  0  0  1  1  2  3  4  7  6  6  6  4  2  2  2  2  1  1  1
 6) 45  0  0  0360225  0360  0-99 50 40 50 60 60 60 60 60 60 90 60 90 50  0  0
 6)  1  0  0  0  1  1  0  2  0  3  8  9 11 11 10  8  3  5  6  6  2  1  1  0  0
 7)  0  0  0  0  0  0-99 70 40 90-99-99360360360-99-99-99270280270270  0  0  0
 7)  0  0  0  0  0  0  1  2  2  1  1  7  6  3  3  2  1  2  7  3  2  2  0  0  0
 8)  0 90-99  0  0  0  0  0-99  0310-99360360 45360360 45180180225 45  0 45315
 8)  0  2  2  0  0  0  0  0  1  0  3  2  2  4  5  3  2  2  2  4  2  1  0  1  1
 9)315360  0 45  0  0 45  0315  0225225360360360315270225225180315225225225180
 9)  1  1  0  1  0  0  1  0  1  0  2  2  3  2  3  2  5  5  5  5  2  3  3  2  1
10)180180225225225225270225180225315225225225180225180180225225225225270225270
10)  1  2  4  2  3  3  3  2  2  3  3  3  4  4  6  7  8  7  9  6  4  2  4  2  3
11)270225225180  0 45  0225135330-99360360 40360360360320270  0 90180 80-99-99
11)  3  3  1  2  0  1  0  1  2  2  1  7  5  6  5  9  7  4  4  0  3  6  4  3  3
12)-99 80 90 50 60-99100110 40 40 40 40 40360360 10 20 20 90100 90 90 50 90 80
12)  3  4  4  4  7  2  3  4  4  6  7  8  5  7  7  7  7  5  7  5  3  1  1  2  2
13) 80 70 90 90 90 80130 80  0  0-99310320360360-99360360 50120 90 90 40 90100
13)  2  2  4  3  2  2  1  1  0  0  1  2  4  4  3  2  3  3  2  4  4  2  2  2  2
14)100100 40 80-99 70  0 90  0  0330-99-99-99270270270270260-99-99 90-99  0  0
14)  2  3  2  2  1  2  0  3  0  0  1  1  1  2  3  7 10 10  4  3  3  2  1  0  0
15)  0 90 90 90110 90100 90  0320-99-99-99240-99280270270260150180130 90-99 45
15)  0  3  2  2  2  3  3  2  0  1  1  1  1  2  1  8 10  8  5  3  3  2  2  0  1
16) 45-99 90 90 60 80 90120 50 20290180180180135360 45 45135 45  0360  0  0  0
16)  1  1  3  2  2  3  2  4  4  5  3  1  1  2  2  3  4  4  1  1  0  1  0  0  0
17)  0  0  0 45 45 45270  0180315360360270225270270225  0  0225225180225225
17)  0  0  0  1  1  1  1  0  2  1  1  2  4  3  3  1  3  3  0  0  1  2  1  2  2
18)225 45 45 45360 45360360315270270225225225225180270270270225225225225135  0
18)  2  1  1  1  1  1  1  1  1  2  2  2  5  4  4  6 10  8  9  7  4  2  2  1  0
19)  0270  0270225225225180180 90270225225270360360360360180180  0  0  0  0  0
19)  0  1  0  1  3  2  2  2  2  1  2  2  2  2  3  3  3  4  2  1  0  0  0  0  0
20)  0  0  0360  0 45 90180  0225300 30 40 30 30 40 40 80160120 80 80110130-99
20)  0  0  0  1  0  1  1  1  0  1  3  6  8  7  6  5  4  4  5  4  4  3  4  4  4
21)-99 80-99 70 80 80 90140230230240230200250-99240230230-99250260210230225225
21)  4  4  4  2  2  2  4  2  8  7  8  5  4  4  3  5  5  3  2  3  5  6  6  3  3
22)225180225135135180180180180225225225180180180180225270270225225225225225 90 90
22)  3  1  2  1  3  1  3  2  4  5  5  6  6  6  6  5  8  9  8  6  5  3  3  2  2
23) 90  0 45325  0 45325  0  0270225225225225225225225225225225180180225225225180
23)  2  0  1  1  0  1  1  0  0  1  3  3  5  4  6 10  8 10  5  5  3  3  2  2  1
24)180180180180225270180180180180180180180180180180225225225180180180180180180
24)  1  2  3  4  4  2  5  5  4  5  5  6  6  7  6  9  9  6  6  7  6  6  6  5  6
25)180180225180180180180225225225224028034036036036036036036027014014C-99-99-99
25)  6  6  6  5  4  4  2  2  4  3  5  4  6  8  9  9  9  8  6  7  5  5  6  5  4
26)-99150290-99360360360360360360360360360360 10 20 20 10 10130150-99160360 80
26)  4  4  5  4 12 16 18 20 16 20 20 20 18 15 15 13 12 11  8  6  7  3  5  8  4
27) 80150100120120 90100 80110130 50 20 30 20 20 40 40 50 80 90 70100120 50 90
27)  4  5  6  4  5  5  4  3  4  2  2  6  6  4  6  8  7  6  4  2  4  2  2  1  1
28) 90 40 90 50 90 40 60 90 70360350320270-99-99 30-99 10260150 90 90 70120  0
28)  1  1  1  2  1  1  2  3  2  1  2  2  2  1  3  5  4  3  6  4  5  2  2  4  0
29)  0 45 45 45  0315  0  0225  0225225225225225225225225225225225225225225225
29)  0  1  1  1  0  1  0  0  1  0  2  2  2  4  4  4  5  7  4  3  1  1  2  0  1
30)225180360 45180135360360135170270310340300250310290250260240120180 60120140
30)  1  2  1  1  2  4  1  2  2  4  4  4  5  5  5  5  4  9  7  5  3  4  4  3  4
31)140120  0  0  0  0  0  0  0  0  0135225 90 45360225225225225225 45 45  0  0 45
31)  4  5  0  0  0  0  0  0  0  0  1  1  2  2  3  3  7  5  3  2  1  1  0  0  1
-----------------------------------------------------------------------------------------------------------
 / 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
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SITE 4, LIVERMORE . WIND DIRECTION (DEG) AND SPEED (MPH)

NOVEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	45		0	360	360	360	315	0	0		0	270	270	45	45	45	360	360	360	45	45	45	45	45	360
1)	1	0	1	1	1	1	0	0	0	2	2	8	8	7	7	6	6	5	3	3	2	1	1	0	1
2)	360	45	0	0	0	0	0	0	0		0	225	360	360	360	360	360	360	360	360	45	45	45	0	0
2)	1	1	0	0	0	0	0	0	0	0	2	6	8	8	8	8	7	6	3	4	4	1	1	0	0
3)	0	0	0	0	0	315	0	0	0	40	30	30	20	30	20	40	50	70	100	90	100	120	140	130	90
3)	0	0	0	0	0	1	0	0	0	8	6	10	11	9	8	8	5	4	6	5	4	3	2	2	4
4)	90	120	170	110	180	-99	120	-99	180	290	-99	60	70	50	50	30	40	50	100	150	200	130	90	90	100
4)	4	3	2	2	2	2	3	2	2	4	4	8	12	12	9	10	9	9	8	3	2	4	2	3	4
5)	100	190	60	100	120	190	170	-99	240	230	270	60	360	20	20	30	20	80	110	120	90	90	120	140	50
5)	4	3	2	4	3	2	3	3	2	3	4	7	5	7	5	5	4	2	5	2	3	4	2	4	2
6)	50	100	100	130	90		0	120	0		0	270	70	60	60	50	60	350	240	150	90	100	-99	90	70	90	90
6)	2	3	4	2	1	0	2	0	0	2	10	11	10	7	5	2	3	3	3	2	1	1	2	2	1
7)	90	90	90	-99	100	90	-99	0	0	0	30	360	20	40	360	360	360	360	45	0	0	0	45	0	0
7)	1	1	3	1	2	2	1	0	0	0	4	4	3	4	5	4	5	3	1	0	0	0	1	0	0
8)	0	45	0	0	0	0		0	100	250	90	360	10	360	10	10	20	0	70	170	120	170	360	0	80	60
8)	0	1	0	0	0	0	0	4	5	2	4	8	5	5	3	2	0	1	2	2	1	2	0	1	1
9)	60	0	90	90	90	110	130	70		0	-99	310	0		0	270	270	270	270	270	315	315	315	0	0	0	0
9)	1	0	1	1	1	2	2	3	0	1	1	0	0	2	4	11	9	5	2	4	3	0	0	0	0
/	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

SITE 5, MORGN HILL. WIND DIRECTION (DEG) AND SPEED (MPH)

AUGUST 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

```
DAY-----------------------------------------------------------------------------
 / 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
-------------------------------------------------------------------------------
13)-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88140140140150150
13) -8 -8-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88 10  9  7  6  5
14)150140140140140140150150140-993303303303 20-99 40 30 40 50 40 303603503203 20
14)  6  9 10 10  8  8  9  4  5  3  5  3  3  4  5  9 10 10  8  7  5  6  7  7  6
15)320340330330-99340-99140140140140220-99-99 90140120130140140130130130130-99
15)  6  4  5  4  4  5  6  7  6  7  7  8  4  4  6  6  6  9 10 10  8  5  5  5  2
16)-99290270260220-99-99 30-99-99-99-99-99140-99-99-99-99140150150140130130-99
16)  2  2  4  3  1  2  2  1  2  4  4  3  4  6  3  5  7  3  8 10  9  7  6  6  3
17)-993202702903003102903103103203203 20 40 40 90 90 90220-99230290300310-99 10
17)  3  4  3  3  3  3  5  4  5  7  8  8 10 12 10 12  7  3  2  5  4  3  6  2  1
18) 10-993303203203 30-993303303103403 30 30360-99 40100-99-99-99140-99-99 30320
18)  1  3  4  2  3  3  4  3  5  5  9  5  4  5  4  5  3  4  2  2  2  2  1  2  2
19)320320240210130140150140130140140140150160150150150150-99200130130150150-99
19)  2  1  2  2  4  6  6  6  4  4  3  7  6  5  9  8  3  3  3  5  7  6  3  3  1
20)-99-99-99-993103203203203203203203203203203403403303303203203303303303 30
20)  1  2  2  3  2  3  4  5  3  3  4  6  5  6  4  6 10 10 11  9  6  8  5  4  4
21)310350340330320330320320340330320320320320330330350170140 703103203103203 30
21)  2  4  4  6  5  4  3  3  6  9  9  8  8  9  9  9 10 10 10  8  4  4  3  4  3
22)330320320320-991802903203203503603503403203 40-99130140140130130140170170170
22)  3  3  5  4  2  2  3  5  4  3  6  6  7  6  7  9 14 13 10 13 13  9  6  9  6
23)170180130170150-99-99-99-99140140130140140130130130130130130130140150150150
23)  6  5  6  3  2  2  2  2  2  6  9 10 10 10 11 10 15 15 13 14 13 13 10 10  9
24)150150150130170-99 20270210140140140140140140140140140140150140150150150150
24)  9  8  7  2  2  1  1  2  2  4  8  9  8 10 13 15 14 16 16 14 15 10 10  7  7
25)150170140160150160170240-99-99130160140150140140140140140140140140140150170
25)  7  5  6 10 10  8  5  2  2  2  6 11 16 19 20 20 20 18 15 17 17 13 11  6  4
26)170-99320270-99300300-99170140140150150150140150150160150140160160160150170
26)  4  1  3  4  2  2  2  1  3  7 10 11 12 15 16 17 18 17 14 15 12 13 10 10  4
27)170130210320290300340320320320320300130150140140140140140140140140-99-99330
27)  4  4  2  3  4  4  4  4  4  4  4  3  5  5  6  9 12 14 12 14 13 10  3  5  3
28)330310310300330340320320330330330-99130-99-99-99140140140-993303203303 60-99
28)  3  2  5  4  4  3  4  3  3  4  4  5  5  3  3  9 14 15 14  8  6  5  2  2  2
29)-99-99360360-99150150140140140130130130140140140140140140150-99320-99-99
29)  2  1  1  1  1  3  4  4  5 10  9 10 13 12 13 14 15 16 17 12  9  6  3  2  2
30)-99300-99-993203303303 20-99150140140140140140140140140140140150150150150130
30)  2  2  2  2  2  3  3  3  2  3  5  8 14 13 14 15 15 16 17 13 12 11 10  9  5
31)130-99170150150150150140150150130140150150140140150160160150150150150150150
31)  5  2  3  2  4  5  7  6  5  6  7 10 12 14 16 17 17 17 15 12  8 11 10 10 10
-------------------------------------------------------------------------------
 / 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
-------------------------------------------------------------------------------
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SITE 5, MORGN HILL. WIND DIRECTION (DEG) AND SPEED (MPH)

SEPTEMBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

DAY /	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
1)	150	140	140	150	160	140	150	160	160	170	150	140	140	140	140	140	150	140	140	140	140	150	150	150	140
1)	10	9	9	7	6	9	10	10	10	12	12	12	10	11	14	14	16	16	16	15	10	10	10	7	3
2)	140	-99	-99	320	320	330	340	320	330	330	340	340	340	350	340	-99	-99	140	130	-99	330	330	320	340	330
2)	3	2	4	6	7	7	8	10	11	12	14	11	11	9	7	4	4	10	9	6	7	6	5	5	5
3)	330	330	330	330	360	20	360	-99	-99	-99	-99	130	140	140	130	140	140	140	140	350	330	310	290	310	-99
3)	5	7	9	6	5	5	3	3	3	3	2	4	5	4	5	7	10	11	10	8	7	5	5	3	2
4)	-99	140	140	150	150	180	150	150	-99	330	320	320	340	-99	-99	140	130	140	140	130	340	320	310	330	310
4)	2	4	10	12	8	5	3	3	1	5	7	6	6	3	3	8	11	13	13	9	5	4	4	4	5
5)	310	290	330	320	320	330	290	320	320	330	320	-99	110	130	150	150	140	140	-99	340	340	330	330	340	340
5)	5	5	4	4	6	3	3	4	4	4	3	2	5	6	6	11	12	11	9	9	7	7	3	5	6
6)	340	340	330	330	340	320	330	340	340	340	340	340	340	340	350	350	350	350	350	330	340	340	310	310	
6)	6	9	9	7	8	7	9	8	8	8	9	9	9	8	8	7	8	10	10	8	8	8	5	3	3
7)	310	320	340	340	100	170	170	190	-99	160	130	140	140	150	140	140	140	140	140	130	150	160	150	190	
7)	3	3	4	6	2	3	3	2	1	2	4	10	11	11	11	10	11	13	12	11	9	10	11	5	2
8)	190	220	280	-99	330	310	300	-99	-99	-99	-99	140	140	140	140	140	140	140	140	140	150	180	120	130	
8)	2	2	2	2	3	4	5	4	2	2	2	4	8	9	10	10	9	11	13	12	9	6	4	4	2
9)	130	200	240	250	260	260	310	320	330	310	-99	150	130	140	140	140	270	330	340	330	340	290	-99	150	130
9)	5	3	3	5	2	4	2	5	4	3	5	6	8	10	12	13	10	12	10	6	6	4	3	5	5
10)	130	-99	310	310	-99	-99	60	-99	-99	320	330	330	350	340	350	340	350	340	350	340	330	340	330	310	330
10)	5	4	4	4	3	3	1	2	2	3	5	8	6	7	6	7	10	10	8	6	10	10	8	7	6
11)	330	330	340	340	340	360	330	310	320	350	360	360	360	360	20	30	30	20	20	10	360	350	60	130	140
11)	7	9	8	9	10	12	8	9	9	10	10	10	10	8	12	13	10	14	10	9	5	4	6	7	8
12)	140	140	140	140	130	130	140	140	140	150	-99	-99	-99	-99	-99	-99	140	140	140	150	150	150	150	150	150
12)	8	8	9	8	8	6	6	7	8	8	5	3	4	4	4	5	10	15	15	12	11	10	10	7	8
13)	150	150	140	180	240	320	320	320	320	320	150	140	130	140	150	140	130	140	130	130	140	140	150	150	130
13)	8	7	5	4	2	3	4	4	4	3	4	6	7	10	13	13	16	16	12	11	13	14	10	8	5
14)	130	-99	280	-99	140	-99	340	310	300	320	-99	140	140	140	150	160	140	150	150	140	120	130	120	-99	330
14)	5	2	2	4	5	2	3	3	2	3	4	10	13	14	16	17	17	18	19	15	10	7	4	5	6
15)	330	330	320	330	320	320	340	350	350	350	350	360	360	360	360	10	360	30	30	360	340	340	340	330	330
15)	6	10	10	12	9	8	8	6	9	10	12	12	14	11	9	11	10	11	10	8	8	7	6	7	4
16)	330	330	330	330	330	340	350	350	340	350	340	20	10	20	40	30	340	350	10	350	320	330	320	300	300
16)	4	6	8	7	5	5	4	4	3	6	6	9	10	11	9	9	8	8	9	7	7	4	3	2	3
17)	300	360	20	360	-99	150	160	120	150	140	130	130	150	170	140	140	140	130	140	140	140	150	130	140	-99
17)	3	3	2	1	1	4	4	3	5	4	4	5	4	5	6	6	10	12	14	13	12	8	4	2	3
18)	-99	330	330	310	360	330	310	320	320	310	330	330	320	-99	140	130	140	140	140	140	140	140	130	140	130
18)	3	3	4	3	3	4	4	3	4	4	5	5	4	4	7	12	15	14	12	13	14	8	8	o	5
19)	130	140	140	150	170	170	190	-99	270	150	110	170	130	130	140	140	140	140	140	140	140	140	150	160	
19)	5	5	6	7	6	4	3	2	2	2	4	2	4	6	8	12	14	14	14	13	10	7	5	4	4
20)	160	130	130	150	160	160	170	170	170	150	140	130	140	140	140	140	140	140	140	140	140	140	150	150	150
20)	4	6	8	7	11	10	10	11	11	12	11	10	14	16	16	16	15	17	16	14	10	9	7	7	5
21)	150	150	150	170	170	150	160	170	170	180	140	130	130	140	140	140	140	140	140	140	150	150	150	150	150
21)	5	7	7	7	9	10	12	12	10	11	9	6	7	11	15	16	15	17	18	14	11	12	12	11	8
22)	150	150	150	150	140	140	140	150	150	150	140	150	140	140	140	140	140	140	140	140	140	150	150	160	-99
22)	10	7	7	6	3	5	7	7	6	8	7	10	12	16	16	15	18	17	14	14	11	8	8	7	2
23)	-99	-99	310	290	290	270	270	140	140	140	130	140	150	140	140	140	140	140	150	140	340	310	340	340	
23)	2	2	3	5	6	6	4	4	7	5	8	9	11	12	14	14	16	17	13	12	8	4	3	2	3
24)	340	340	310	320	320	330	330	330	340	330	350	-99	-99	-99	-99	140	140	140	140	-99	320	290	320	310	310
24)	3	2	5	4	5	5	9	9	8	7	5	4	4	4	4	12	17	19	12	7	4	3	3	3	4
25)	310	320	-99	40	-99	320	330	360	350	320	340	320	320	90	130	150	140	140	140	140	140	140	150	150	
25)	4	5	2	1	2	3	2	2	3	5	5	5	4	4	6	9	12	14	14	11	12	10	9	7	2
26)	150	-99	310	-99	-99	320	360	350	330	350	340	340	320	320	40	40	50	50	-99	330	320	310	320	340	310
26)	2	1	1	1	2	4	4	6	3	3	5	6	6	8	9	9	9	5	4	5	5	6	4	5	5
27)	310	330	360	290	310	-99	-99	310	330	330	350	350	340	-99	40	50	-99	30	-99	360	350	310	330	340	330
27)	5	4	2	4	4	2	2	4	6	7	10	10	8	6	6	7	5	9	9	7	7	4	3	3	4
28)	330	320	20	290	-99	-99	-99	-99	-99	140	130	140	-99	-99	-99	-99	320	-99	-99	-99	-99	-99	320	290	
28)	4	5	4	3	3	3	2	2	2	3	4	7	4	6	5	3	2	3	3	2	7	6	5	4	3
29)	290	280	320	300	-99	120	140	-99	-99	-99	-99	310	350	320	360	-99	-99	-99	-99	130	-99	310	-99	-99	-99
29)	3	3	5	2	4	6	4	4	2	2	2	7	7	6	4	4	7	6	3	5	3	4	3	2	3
30)	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	20	330	320	330	-99	-99	140	130	140	150	150	170	130	40
30)	3	3	5	4	5	4	3	4	8	6	6	4	6	4	4	3	2	2	10	9	8	6	2	2	1

SITE 5, MORGN HILL. WIND DIRECTION (DEG) AND SPEED (MPH)

OCTOBER 1976

CLOCK HOUR (PACIFIC DAYLIGHT TIME)

```
DAY-----------------------------------------------------------------------------
 / 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
-----------------------------------------------------------------------------
 1) 40160150-99-99-99310320-99130130140230270-99-99-99150320-99330320330350330
 1)  1  4  3  2  2  2  4  7  7  5  6  3  3  2  3  3  9  5  5  4  5  6  4  4  3
 2)330300330350330-99320330310330320310-99-99-99360360-99140140140150150150150
 2)  3  3  4  2  1  2  2  2  2  4  4  2  2. 3  2  5  6  4  8  9  9 12 11  7  5
 3)150150150150150150150190160150160170170150150140140150150150130150150150150
 3)  5  7  5  6  4  3  3  3  4  6  9  9  9 10 11 11 11 14 11 10  7  7  3  3  4
 4)150150-99310320310310310350-99-99-99140130140140140140140150150150140150170
 4)  4  3  1  2  2  3  4  5  3  2  2  3  8  8 10  9  8  9  9  7  4  6  5  4  3
 5)170240300270-99320310320320-99140140140140140140140140140150-99230220250280
 5)  3  3  4  2  3  3  3  4  3  2  5  5 10  8  8  9 11 11 10  3  1  3  3  3  2
 6)280-99290310320320320300340330320-99130130-99-99320-99-99-99300300310310310
 6)  2  2  4  5  4  4  4  4  4  4  3  3  3  3  3  2  3  3  4  4  5  4  4  4  5
 7)310320320320320320350310350310-99120140140140140140140140140150150140130140
 7)  5  5  4  4  4  3  3  3  3  3  3  4 10 11 15 12 12 10 13 13 13  8  6  5  5
 8)140130130130140-99320360120150150-88-88-88225-88-88-88-88-88-88-88-88-88
 8)  3  4  6  5  3  2  3  4  4  3  3-88-88-88 -3-88-88-88-88-88-88-88-88-88 88
 9)-88-88-88-88-88-88-88  0-88-88-88-88-88-88225-88-88-88-88-88-88-88-88-88
 9) 88-88-88-88-88-88-88  0-88-88-88-88-88-88  3-88-88-88-88-88-88-88-88-88 88
10)-88-88-88-88-88-88-88  0-88-88-88-88-88-88225-88-88-88-88-88-88-88-88-88
10) 88-88-88-88-88-88-88  0-88-88-88-88-88-88  7-88-88-88-88-88-88-88-88-88 88
11)-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88
11) 88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88
12)-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88
12) 88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88
13)-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88
13) 88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88-88
14)-88-88-88-88-88-88-88-88-88-88-88-88-88 45-88-88-88-88-88-88-88-88-88-88
14) 88-88-88-88-88-88-88-88-88-88-88-88-88  9-88-88-88-88-88-88-88-88-88-88
15)-88-88-88-88-88-88-88-88-88-88-88-88-88-88315-88-88-88-88-88-88-88-88-88
15) 88-88-88-88-88-88-88-88-88-88-88-88-88 10-88-88-88-88-88-88-88-88-88-88
16)-88-88-88-88-88-88-88-88-88-88-88-88-88-88315-88-88-88-88-88-88-88-88-88
16) 88-88-88-88-88-88-88-88-88-88-88-88-88  9-88-88-88-88-88-88-88-88-88-88
17)-88-88-88-88-88-88-88-88-88-88-88-88-88-88315-88-88-88-88-88-88-88-88-88
17) 88-88-88-88-88-88-88-88-88-88-88-88-88 12-88-88-88-88-88-88-88-88-88-88
18)-88-88-88-88-88-88-88-88-88-88-88-88-88-88315-88-88-88-88-88-88-88-88-88
18) 88-88-88-88-88-88-88-88-88-88-88-88-88 13-88-88-88-88-88-88-88-88-88-88
19)-88-88-88-88-88-88-88-88-88-88-88-88-88-88360-88-88-88-88-88-88-88-88-88
19) 88-88-88-88-88-88-88-88-88-88-88-88-88 12-88-88-88-88-88-88-88-88-88-88
20)-88-88-88-88-88-88-88-88-88-88-88-88-88-88135-88-88-88-88-88-88-88-88-88
20) 88-88-88-88-88-88-88-88-88-88-88-88-88 13-88-88-88-88-88-88-88-88-88-88
21)-88-88-88-88-88-88-88-88-88-88-88-88-88-88315-88-88-88-88-88-88-88-88-88
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Appendix C

AIRPLANE TEMPERATURE AND HUMIDITY PROFILES

AIRPLANE TEMPERATURE AND HUMIDITY PROFILES

The SRI airborne instrument system was used in the 1976 field program to measure and record vertical profiles of temperature and humidity on selected dates at each sodar site and, occasionally, over the ocean and the inland bays. The data were recorded on 9-track magnetic tape and then transferred to punched cards that drive a minicomputer profile-plotting program.

The computer program reads the airplane temperature and relative humidity data from the punched cards,computes profiles of potential temperature and water vapor mixing ratio, and plots profiles of all four quantities on height-versus-time axes that match the shape of the acoustic facsimile records. Plots and listings obtained in this manner are shown on the following pages. Each of the plots is drawn at two scales. The very small scale matches the size of a microfilm frame, so that the plot and the film can be overlaid on a light table for direct, quick-look comparisons. (Compare the temperature-profile overlays shown in Figures 7 and 8 of the Main Report.) The larger scale matches the size of the film's projected image on the microfilm projector that was used at SRI in preparing digital synopses of the sodar data. These larger plots were used in deriving mixing depth estimates from the airplane data for comparison with the sodar-derived estimates, as described in Section 6.1 of the Main Report (Volume I).

In each plot the base point of a given profile marks the time of the airplane measurement. The vertical scale of all frames is 0 to 1000 m above sea level (ASL). Tick marks indicate the height of the sodar above sea level. Double profiles show data measured on descending and ascending spirals. The agreement between ascending and descending profiles provides a measure of airplane measurement reliability and of possible horizontal and temporal differences in atmospheric structure.

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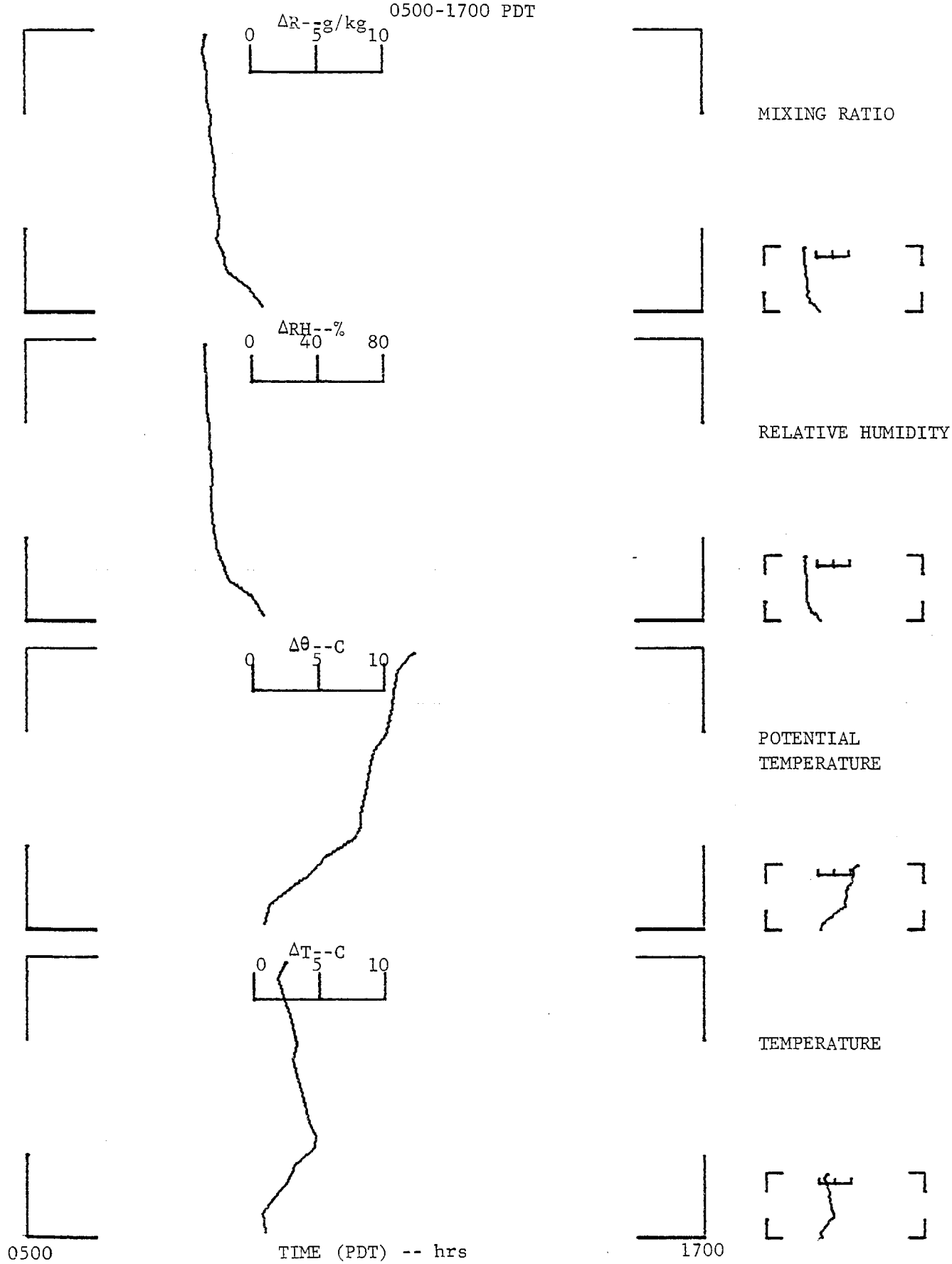
5 OCT 1976

0500-1700 PDT



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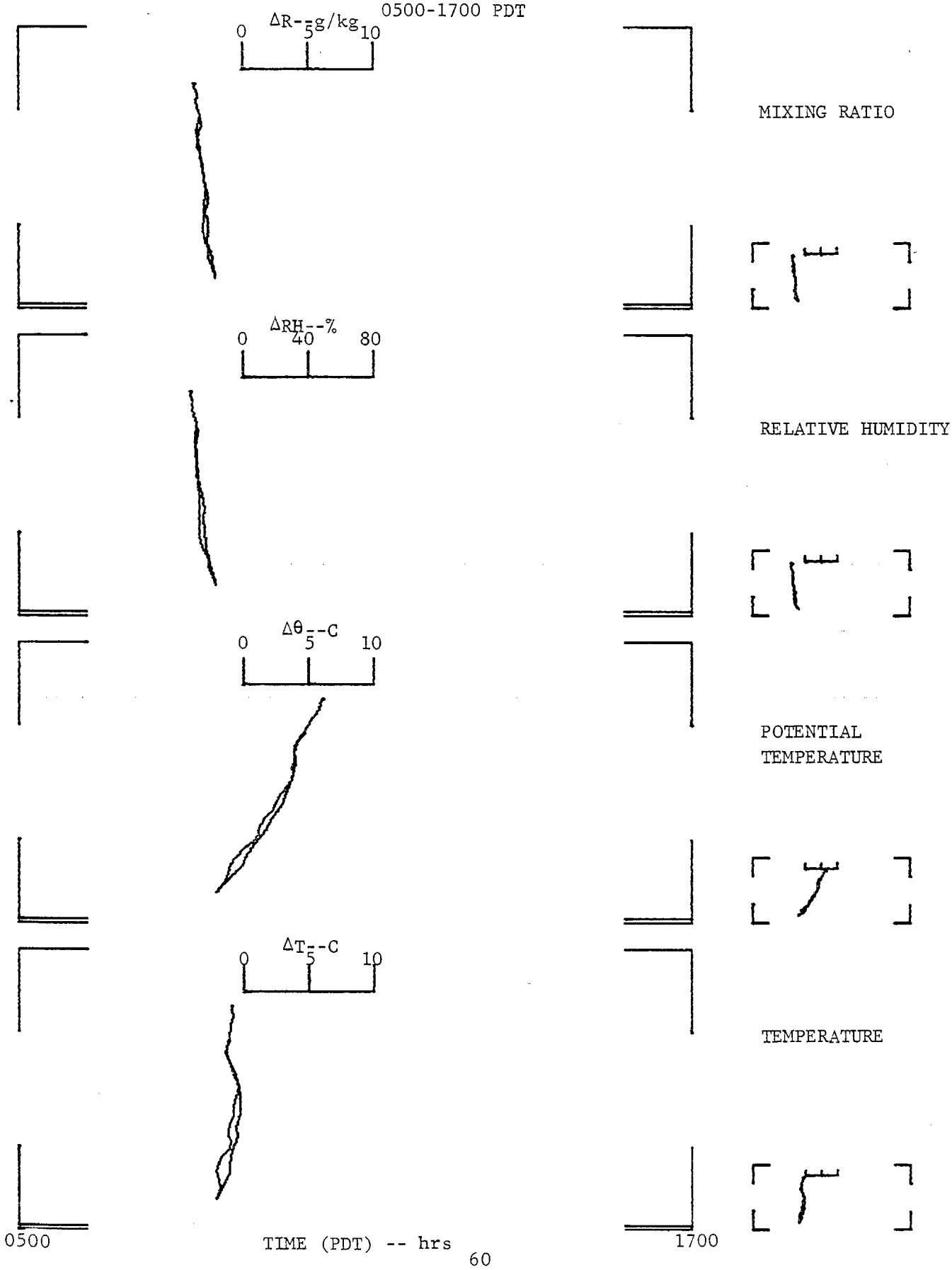
5 OCT 1976
0500-1700 PDT



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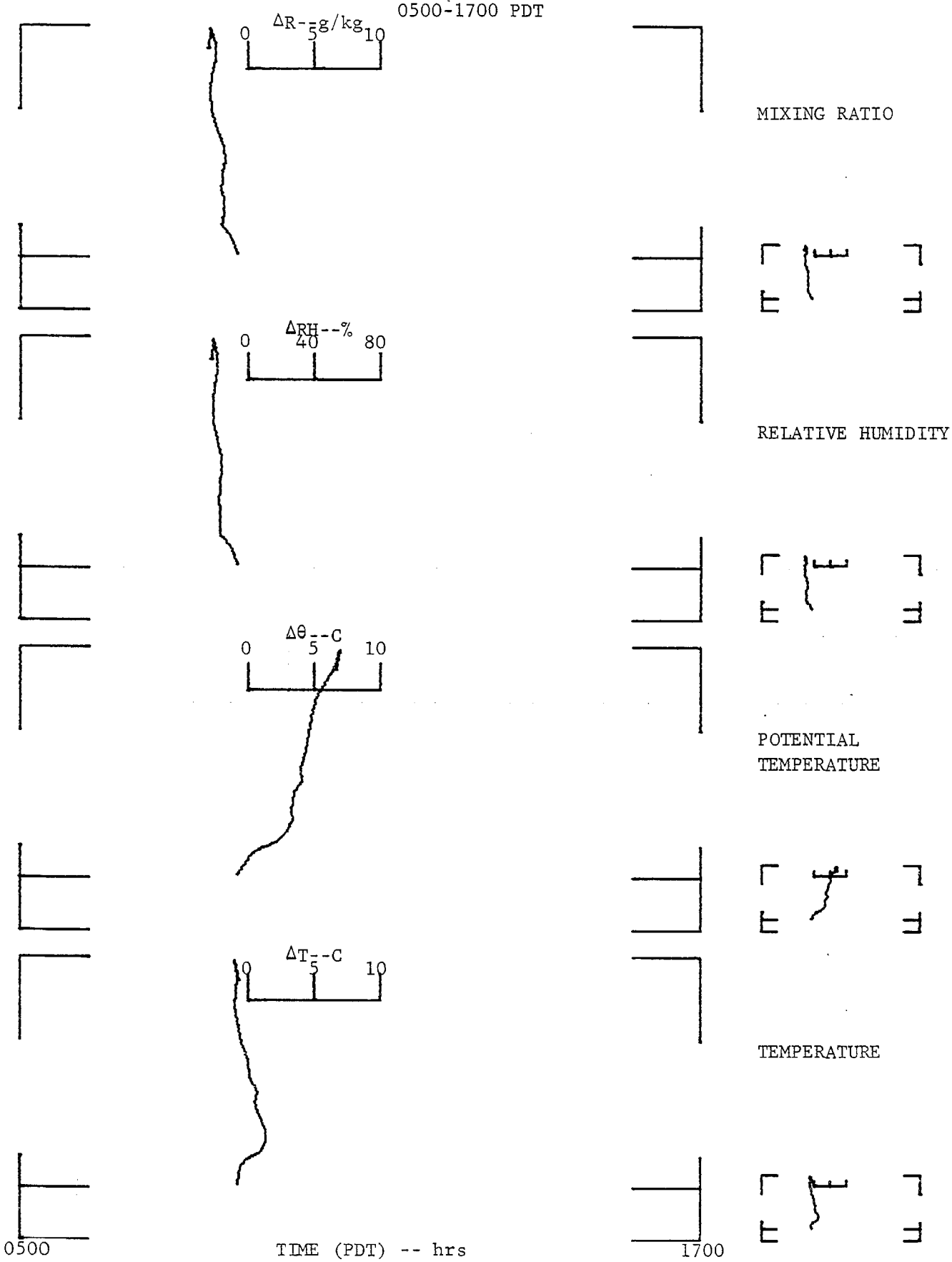

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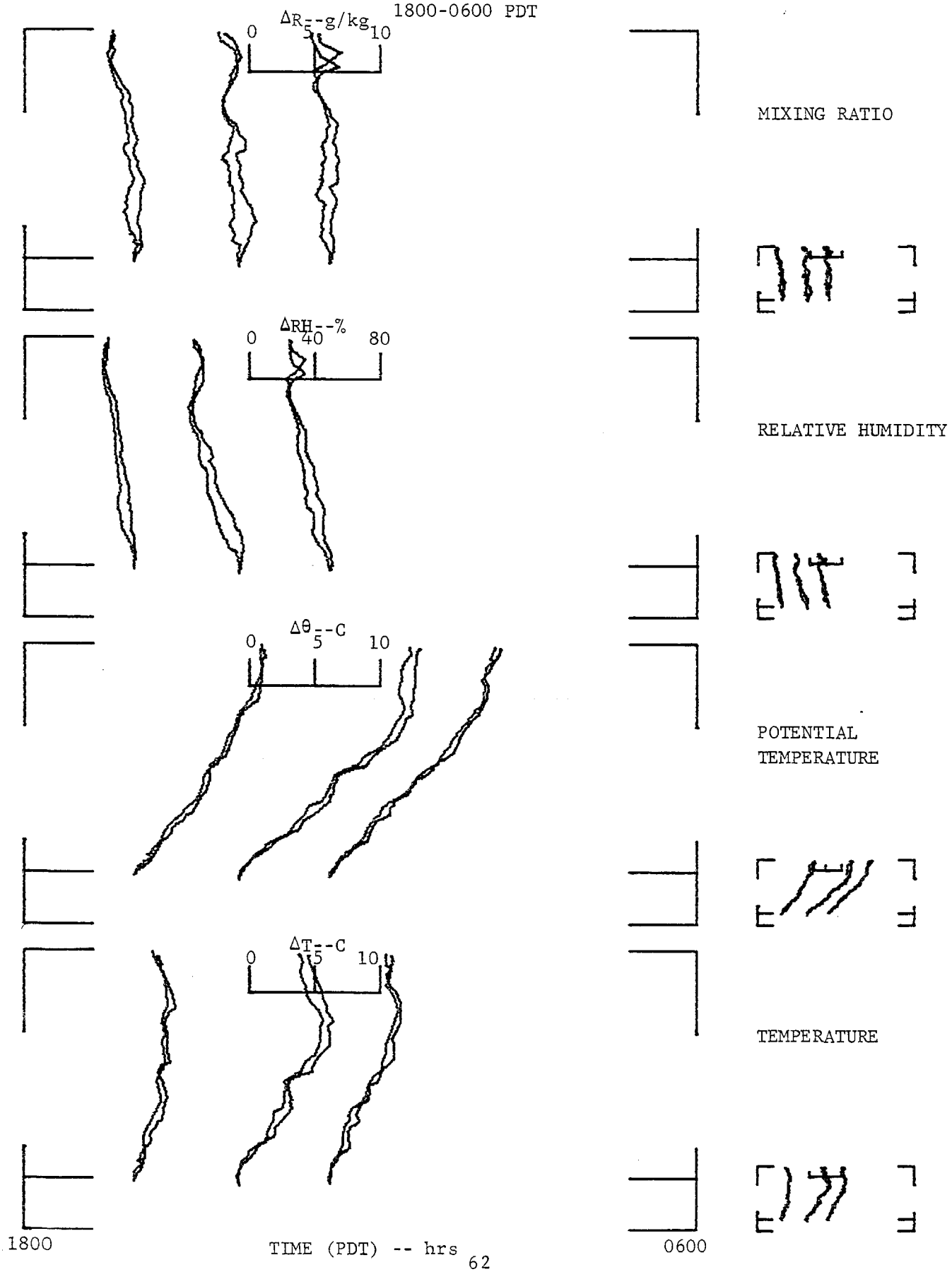
7 OCT 1976

1800-0600 PDT



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7 OCT 1976
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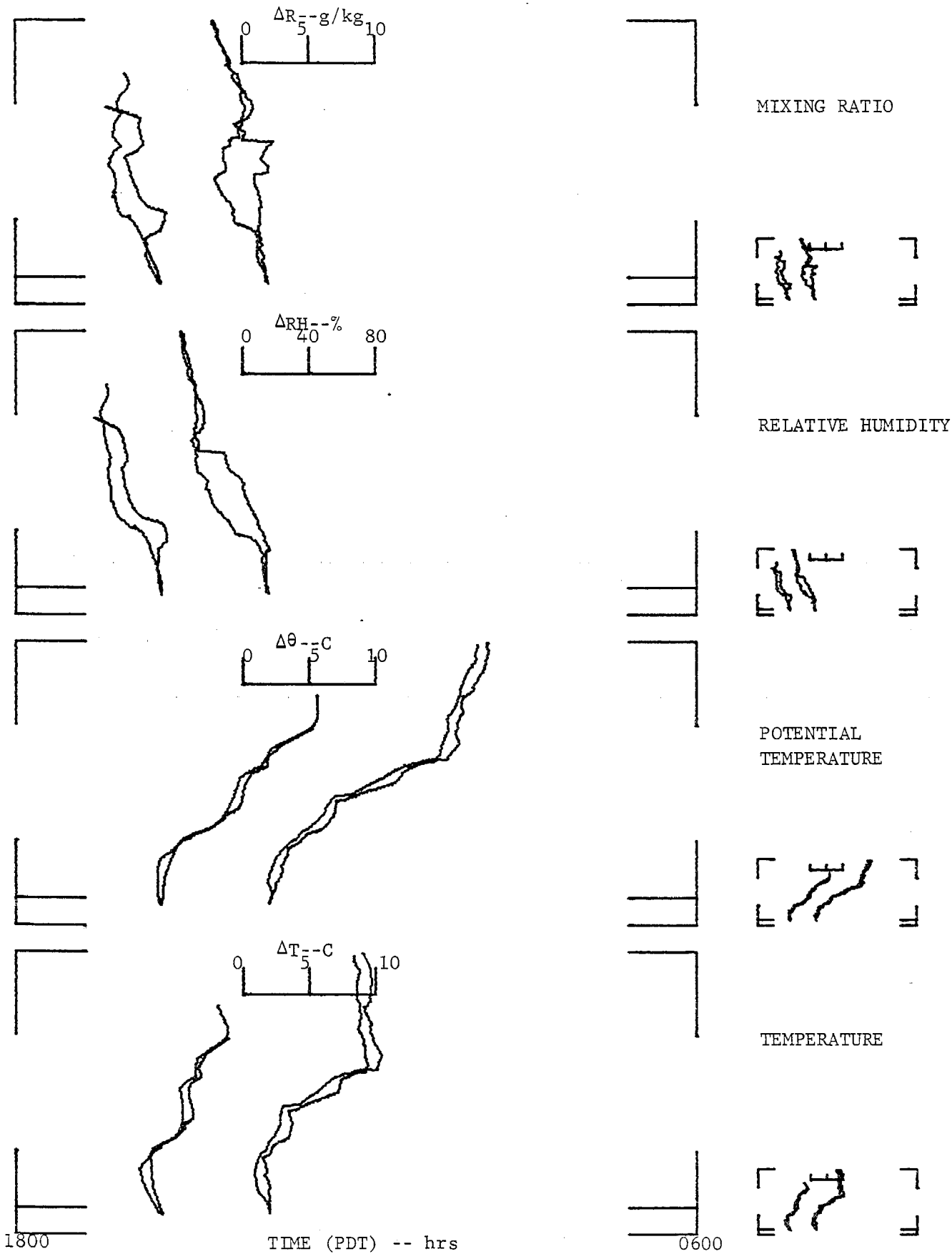

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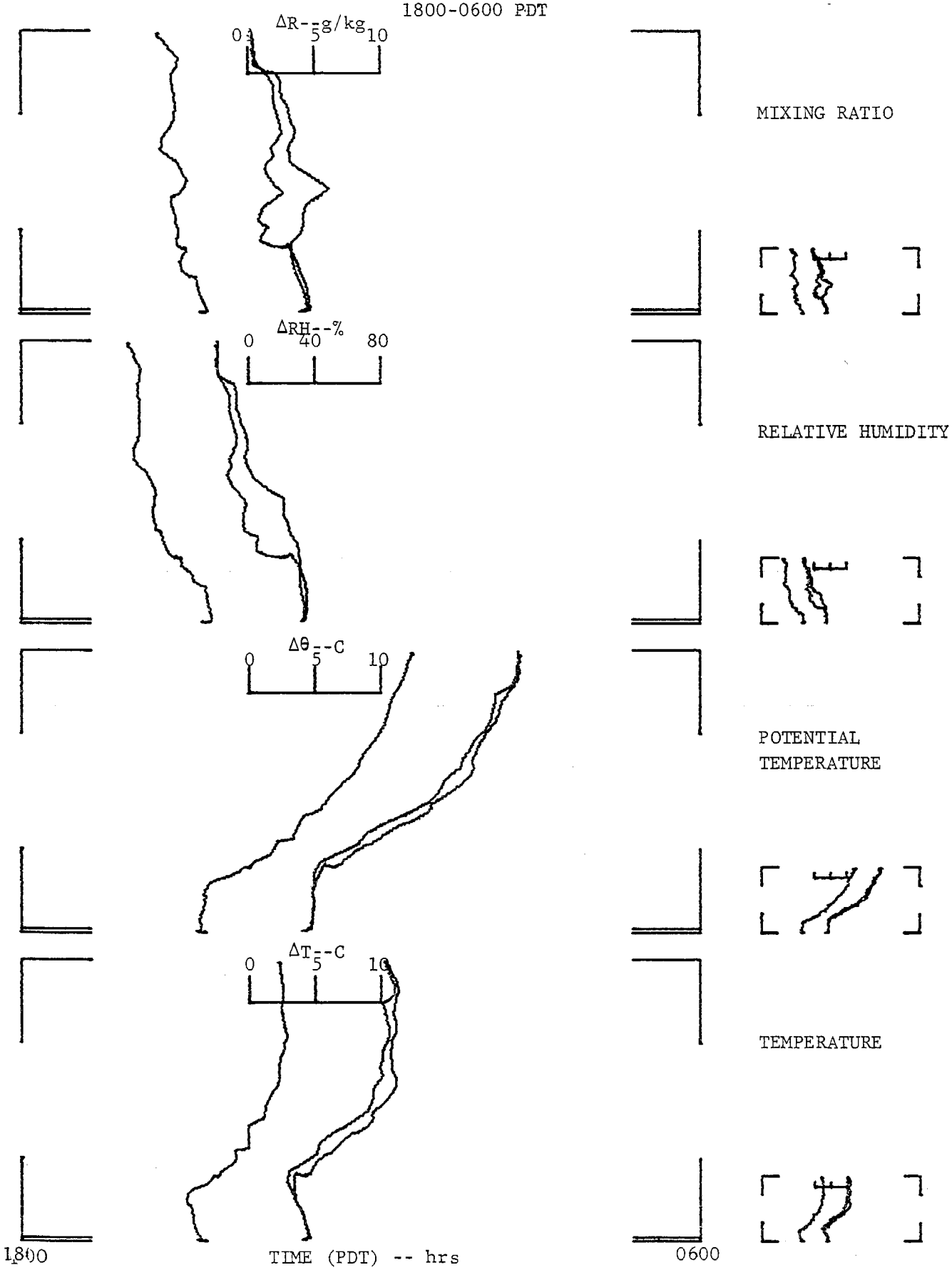
7 OCT 1976

1800-0600 PDT



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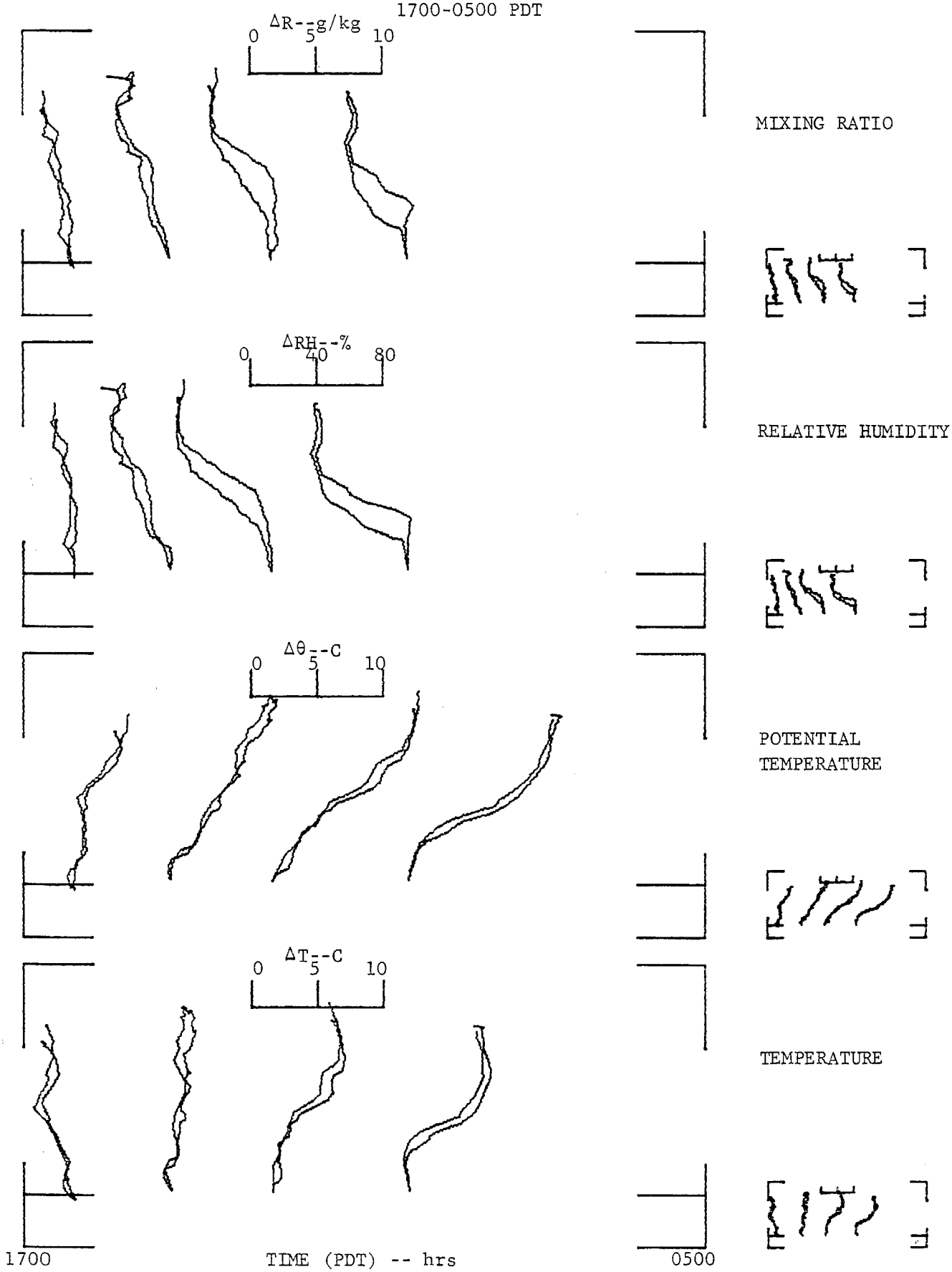

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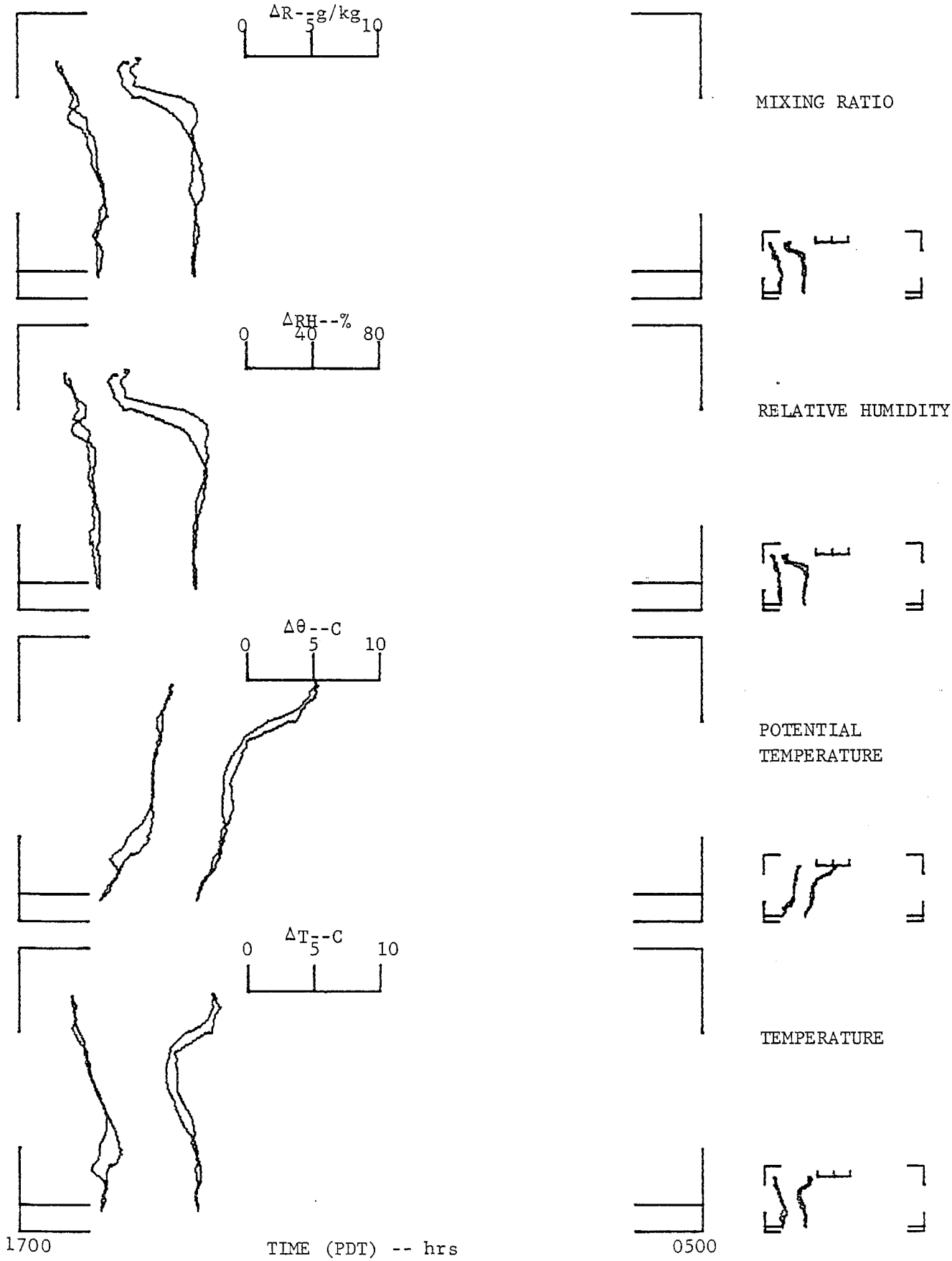

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18 OCT 1976

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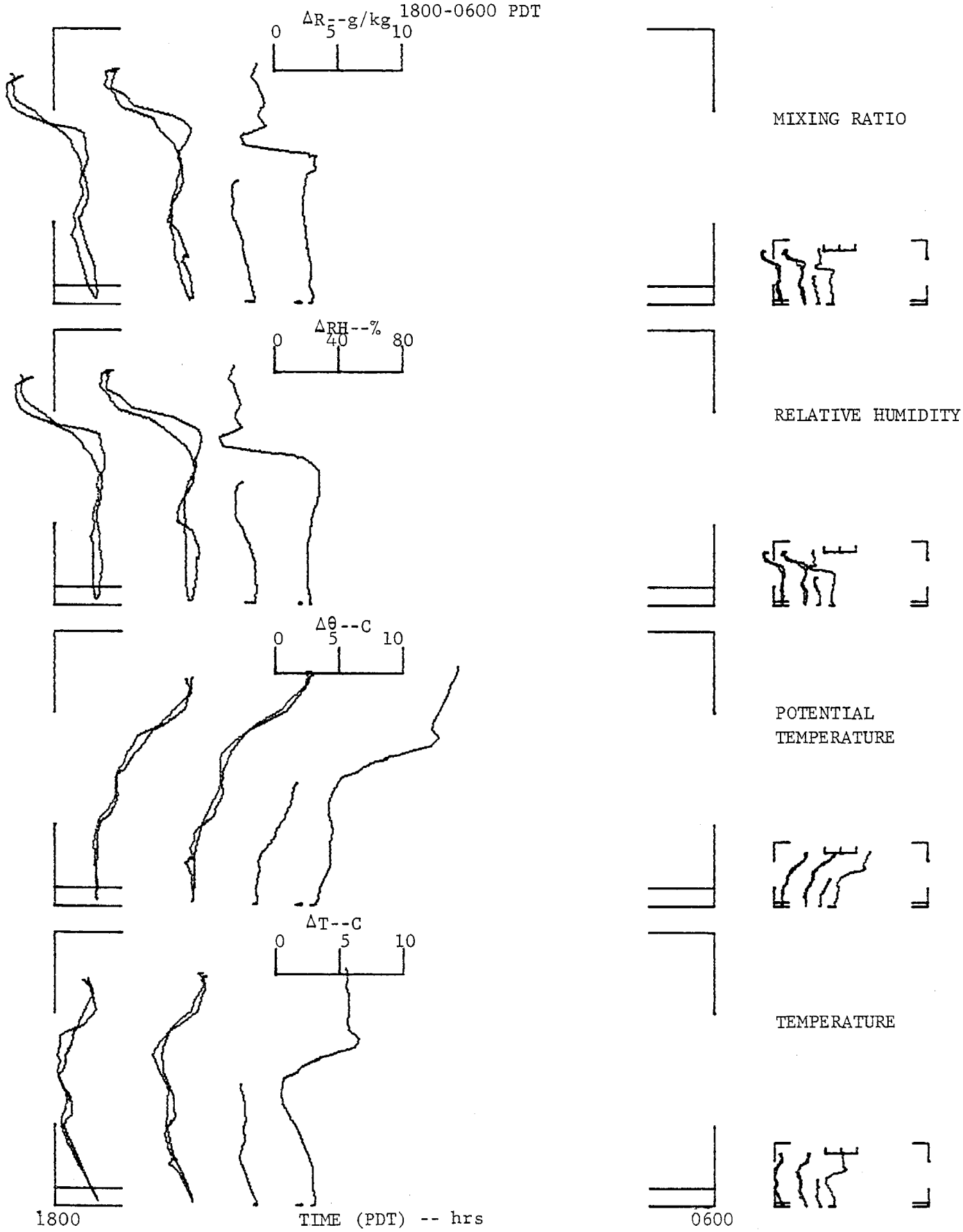

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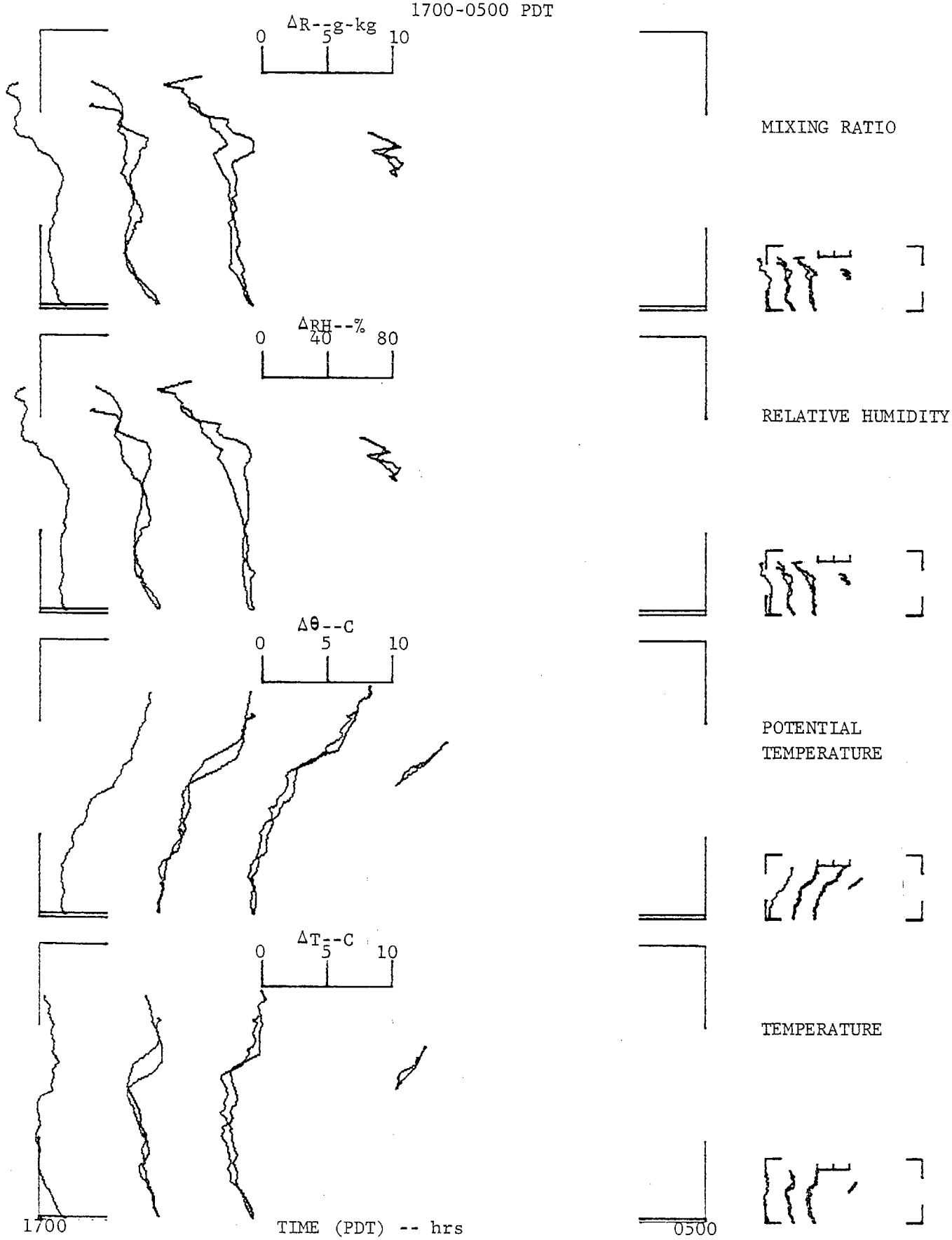

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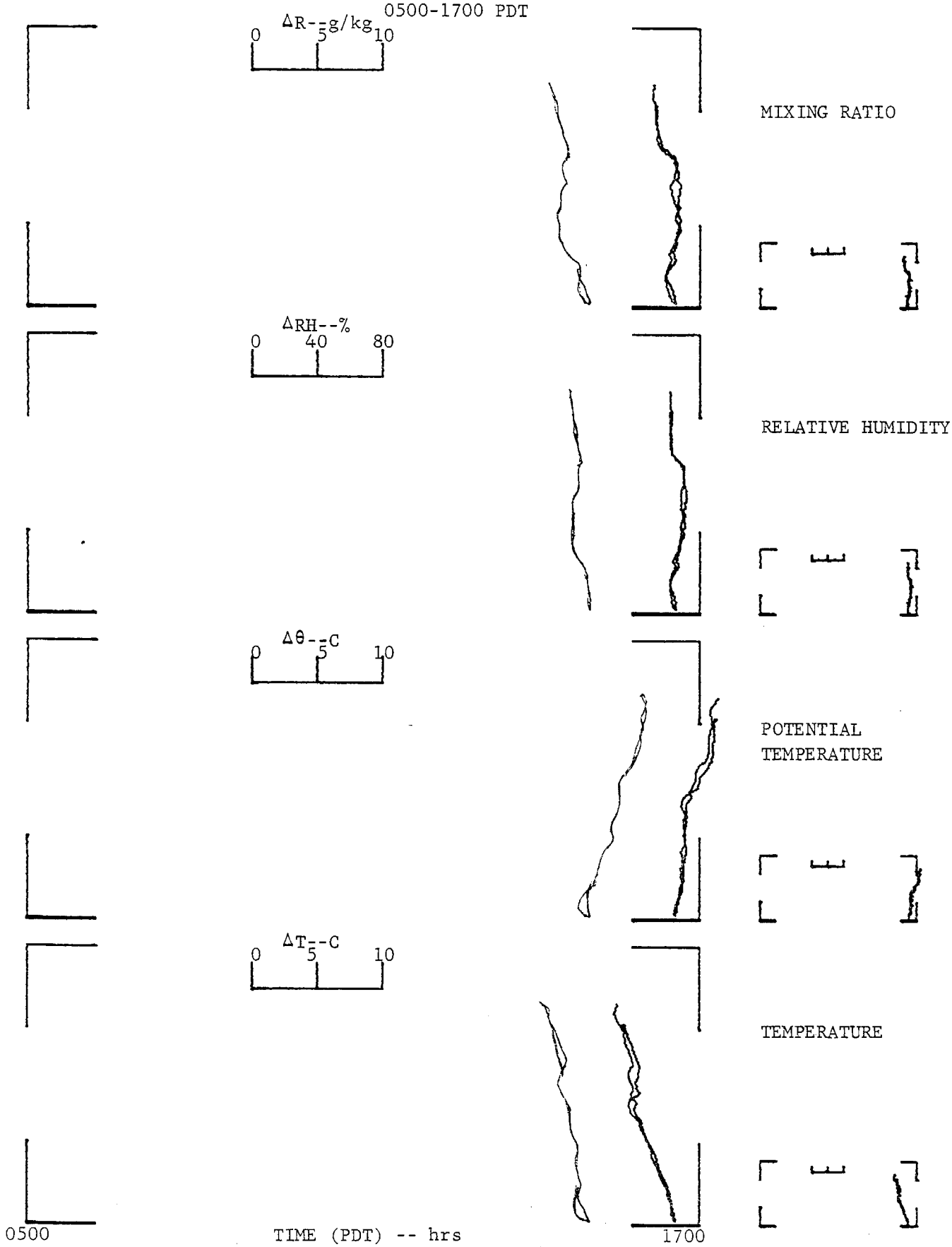

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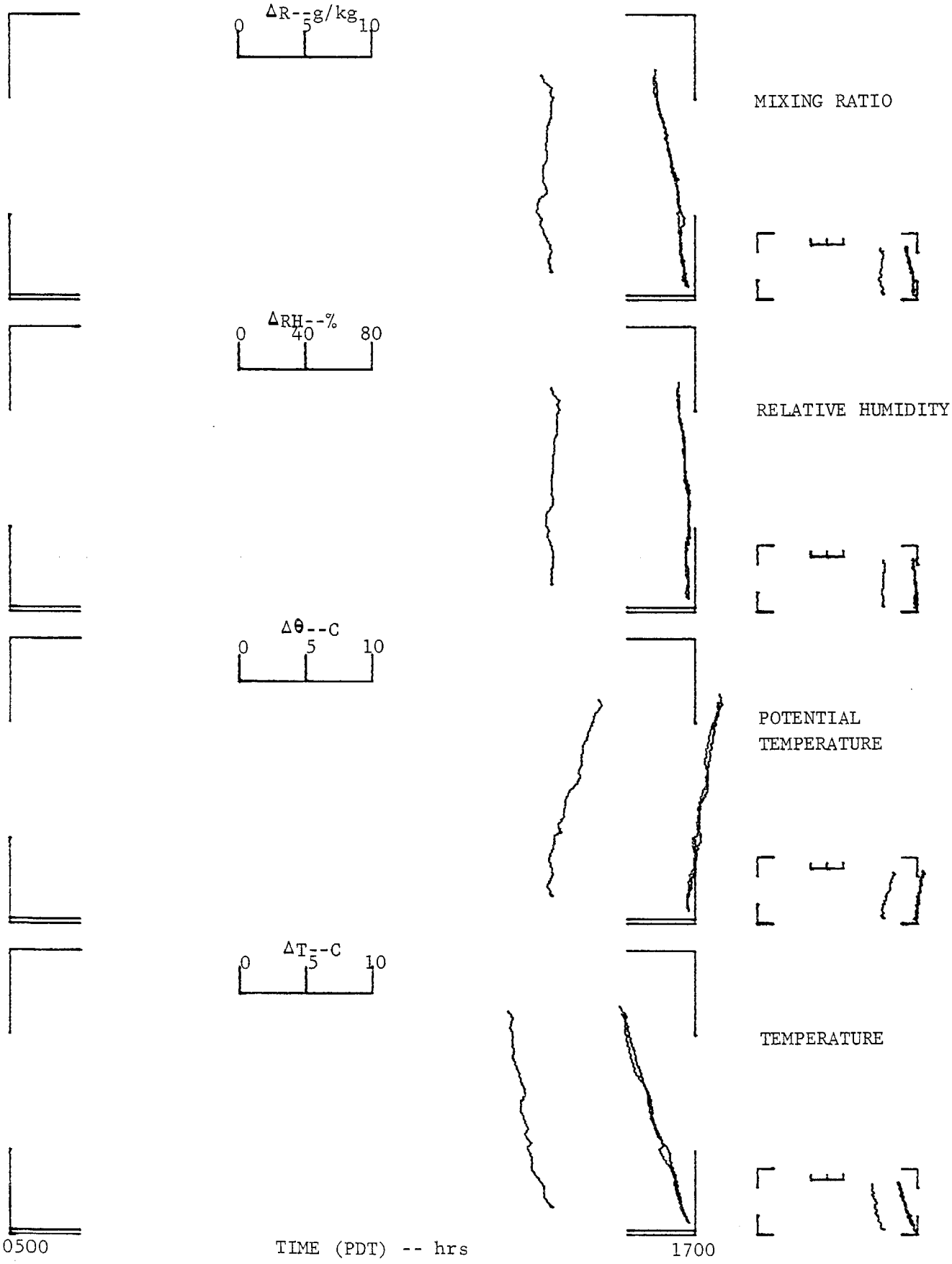

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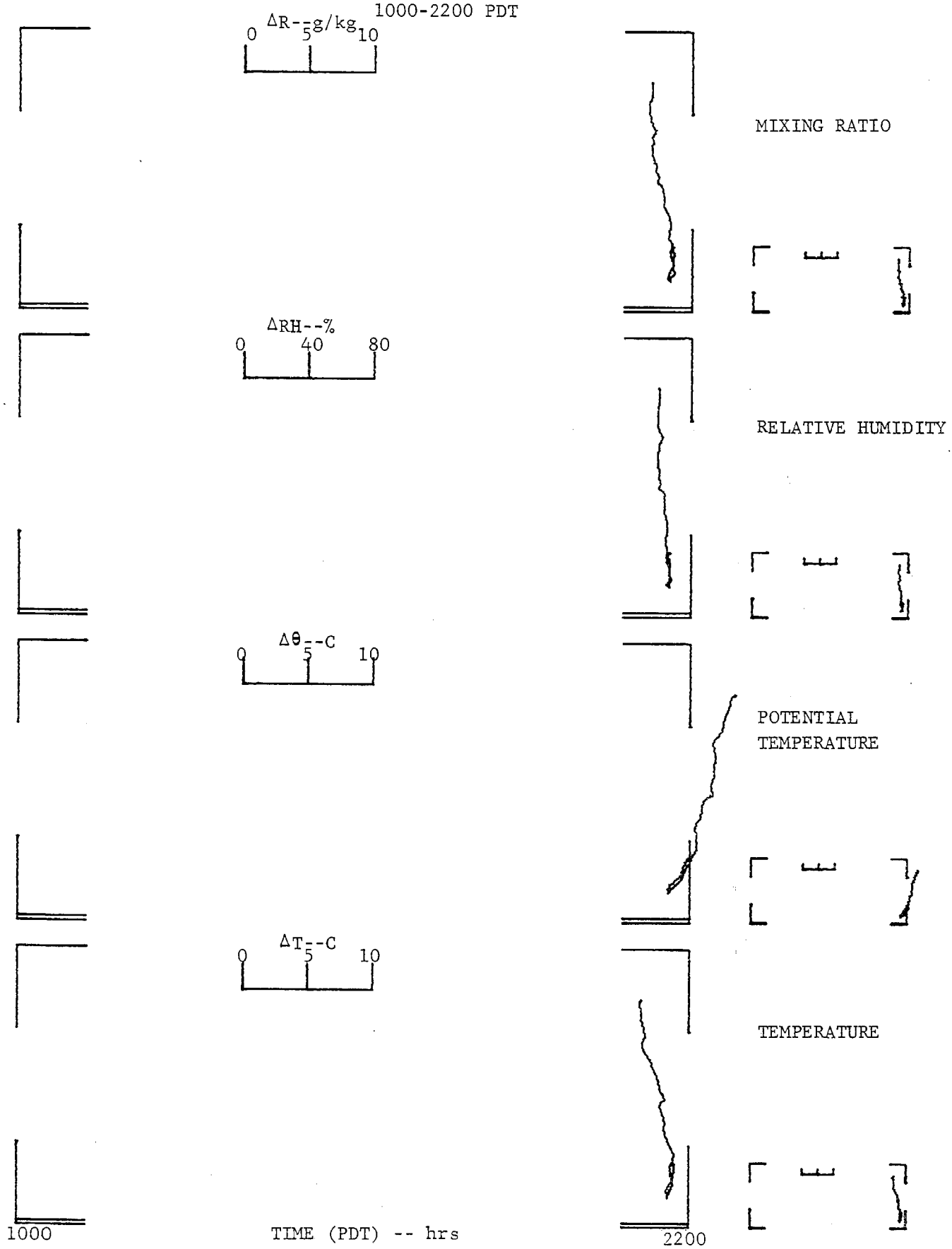

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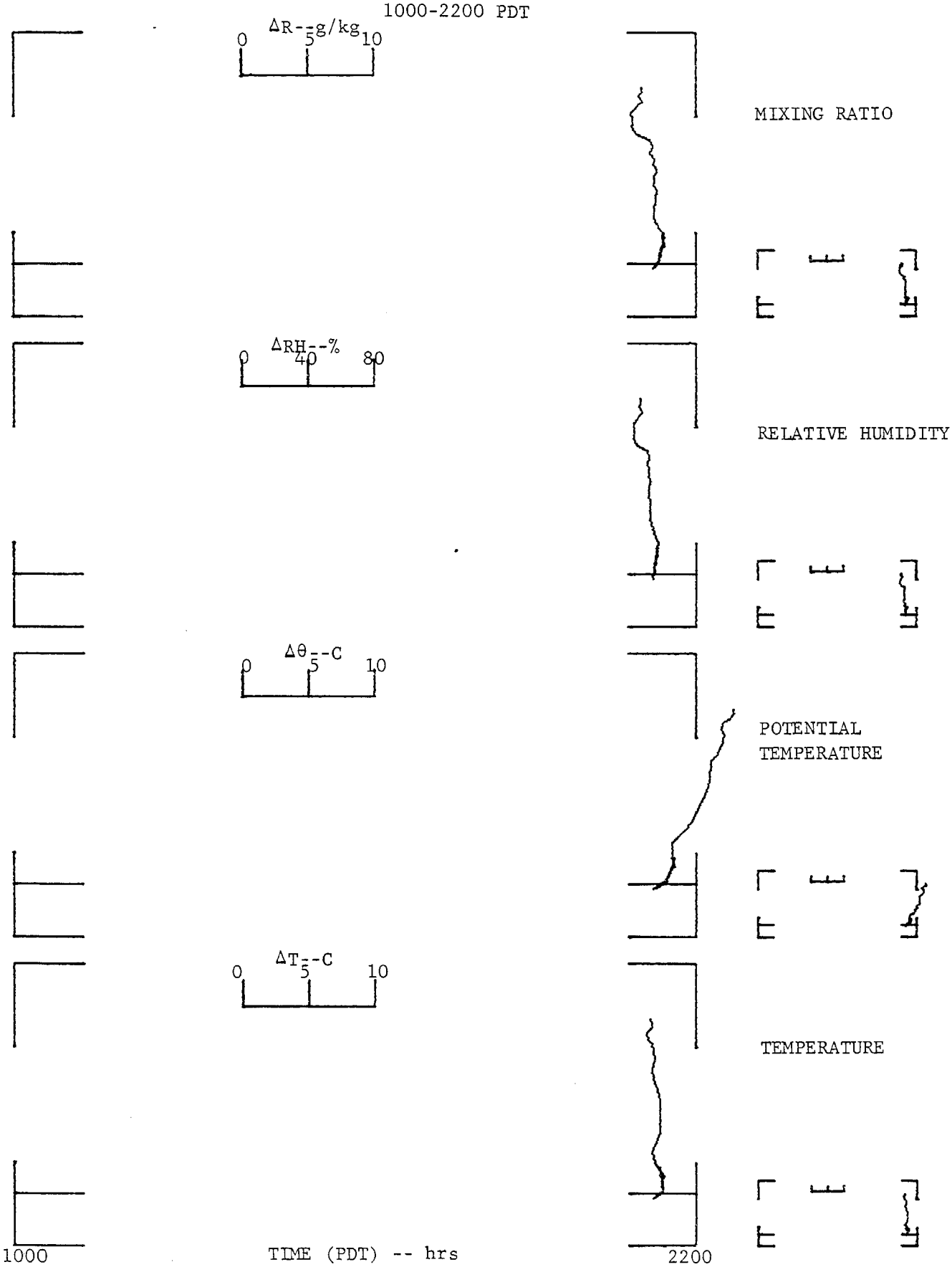

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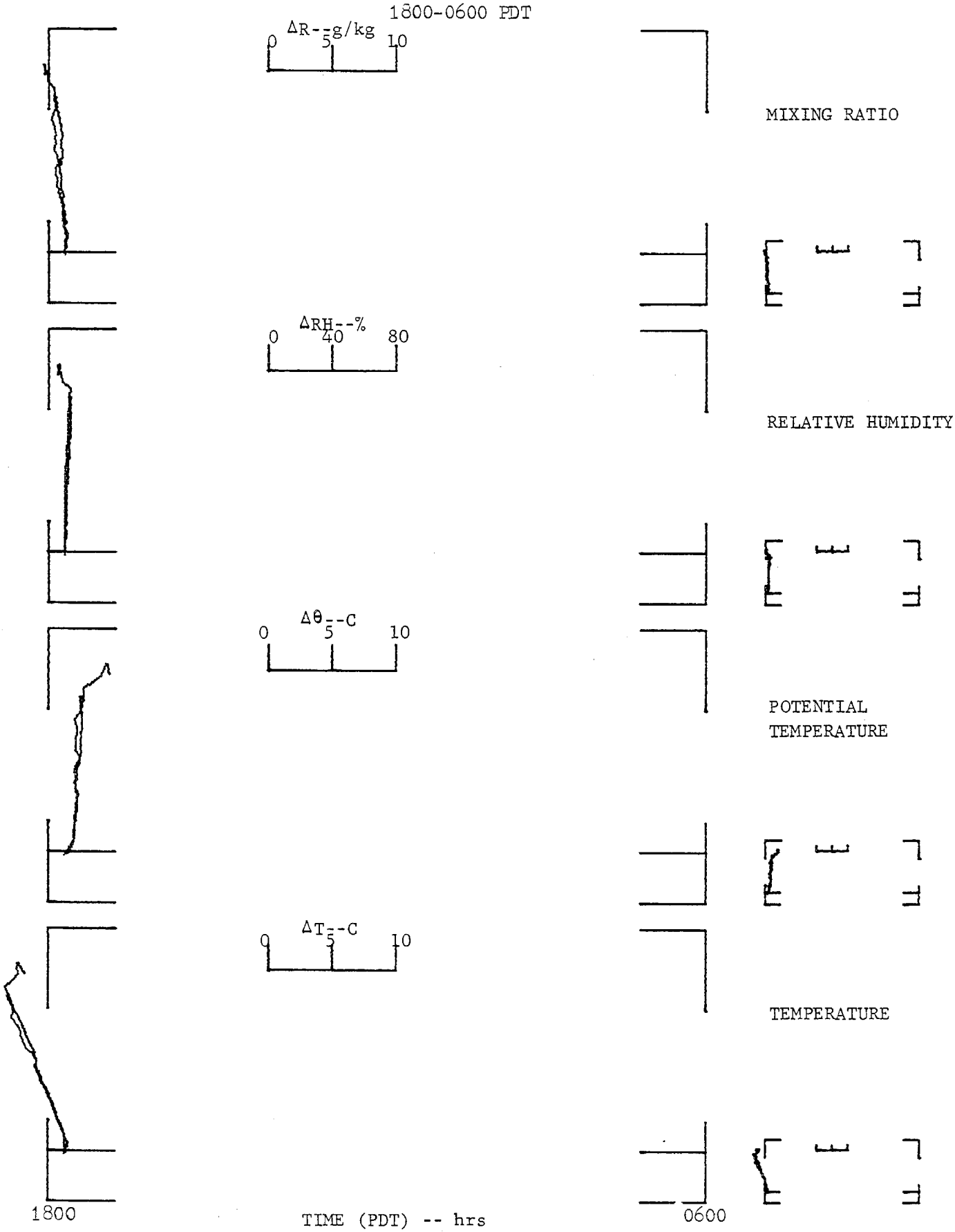

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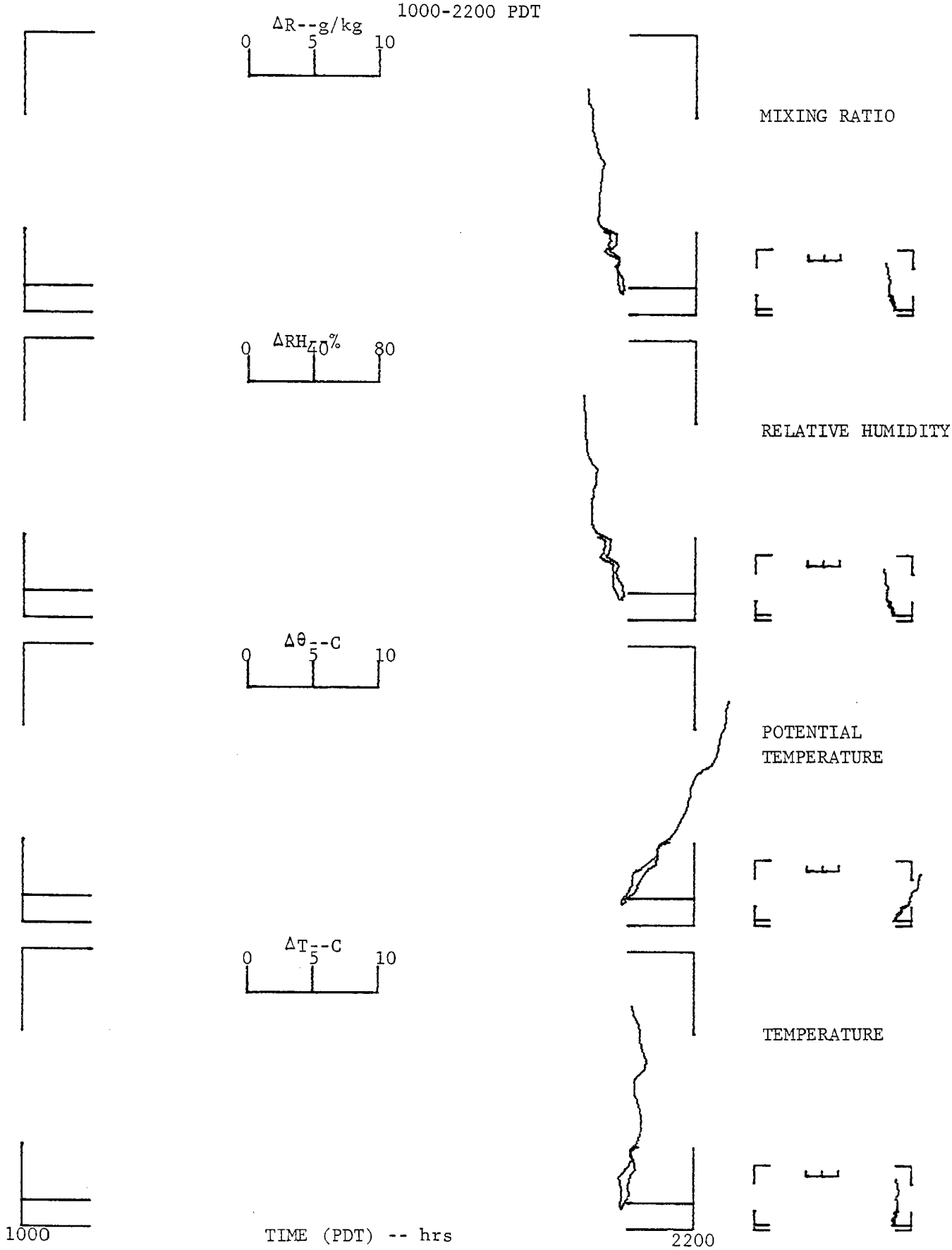

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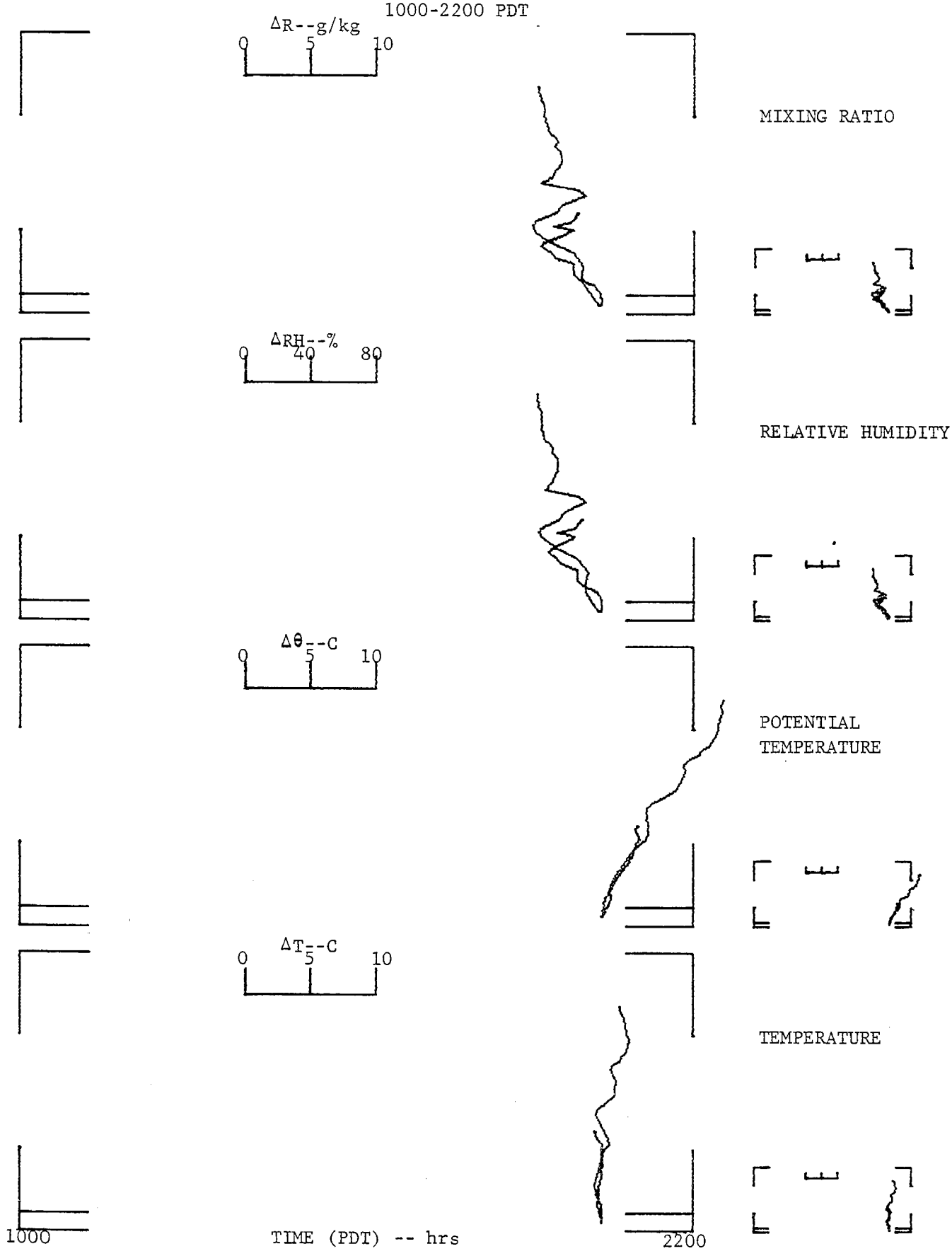

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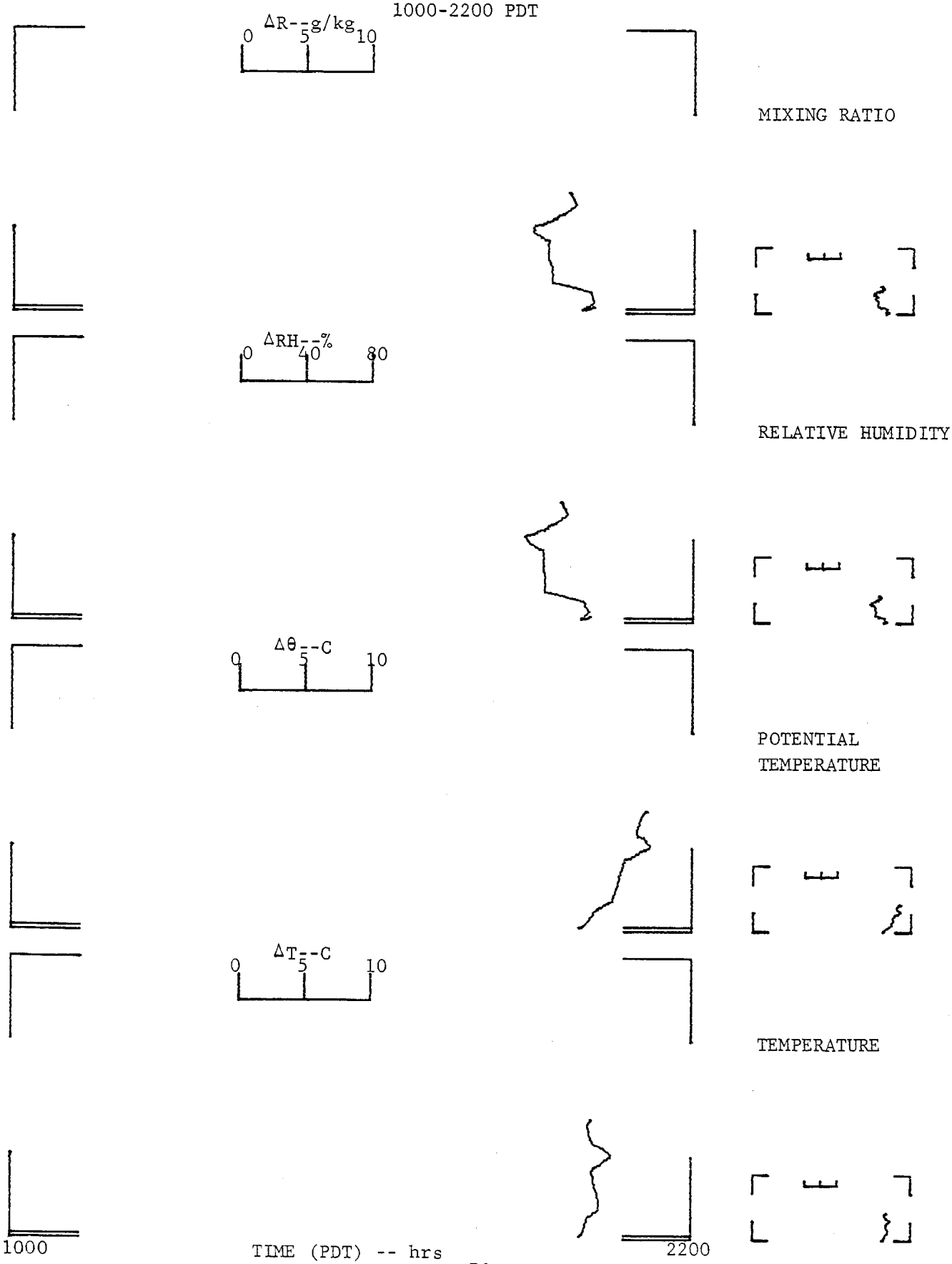

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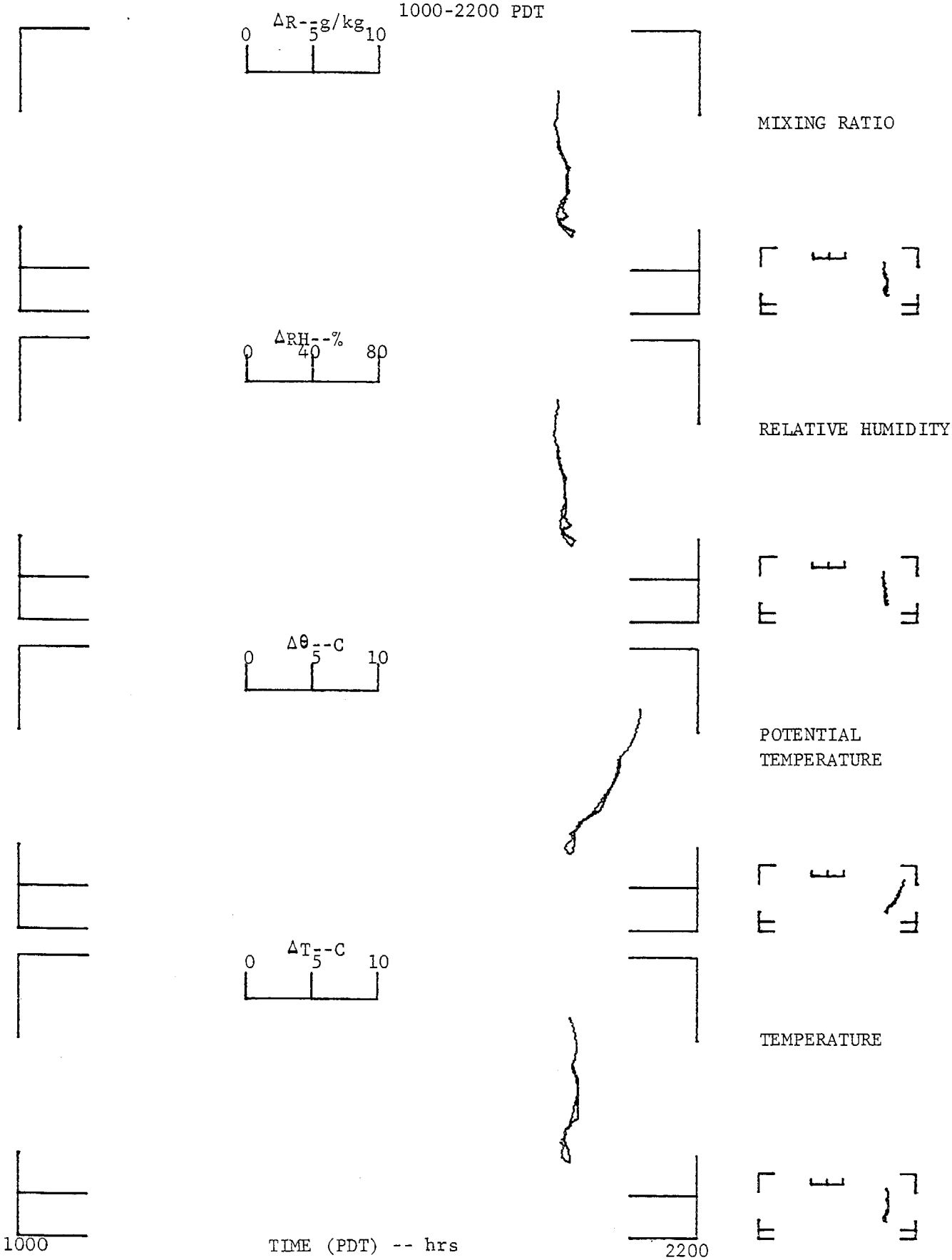

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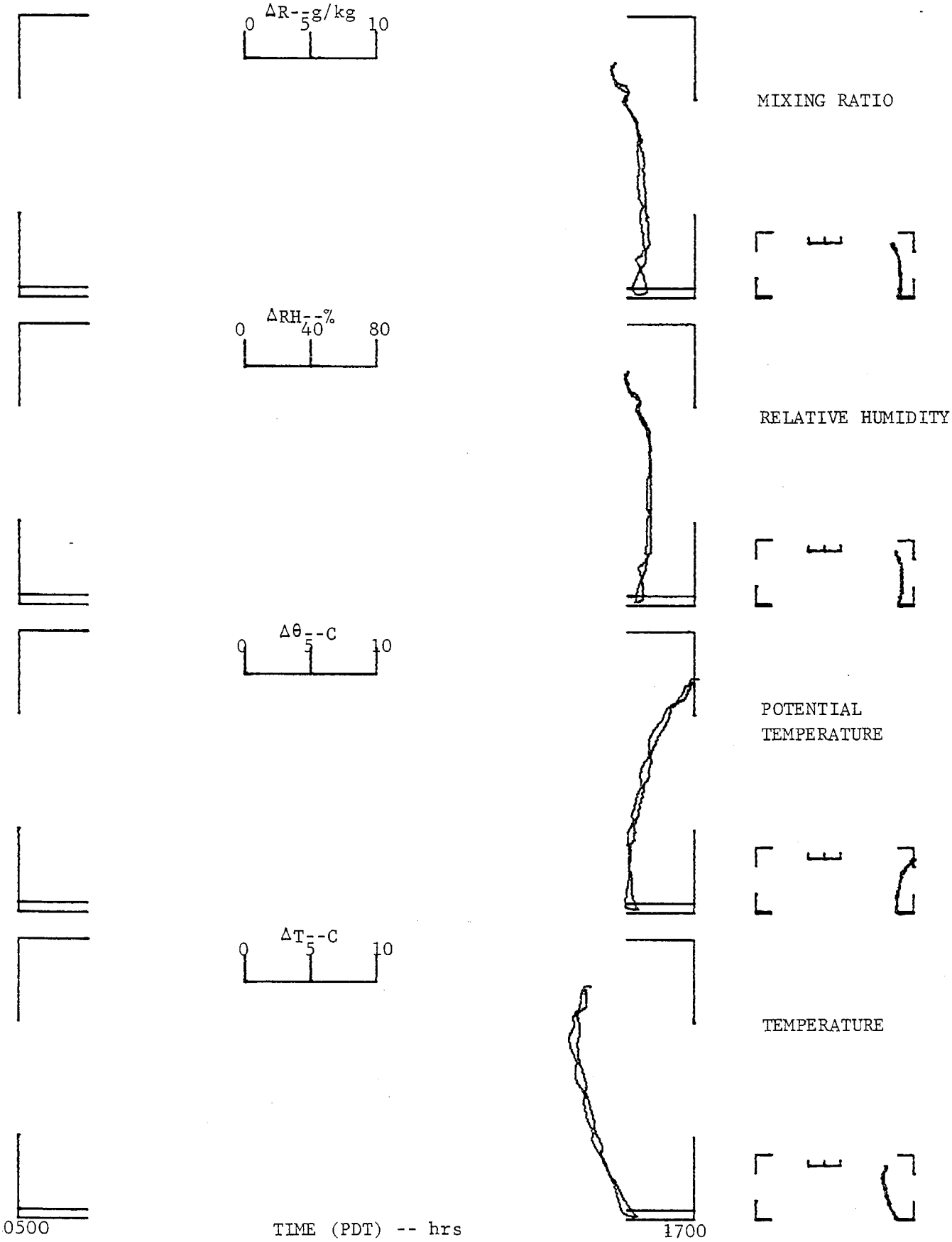

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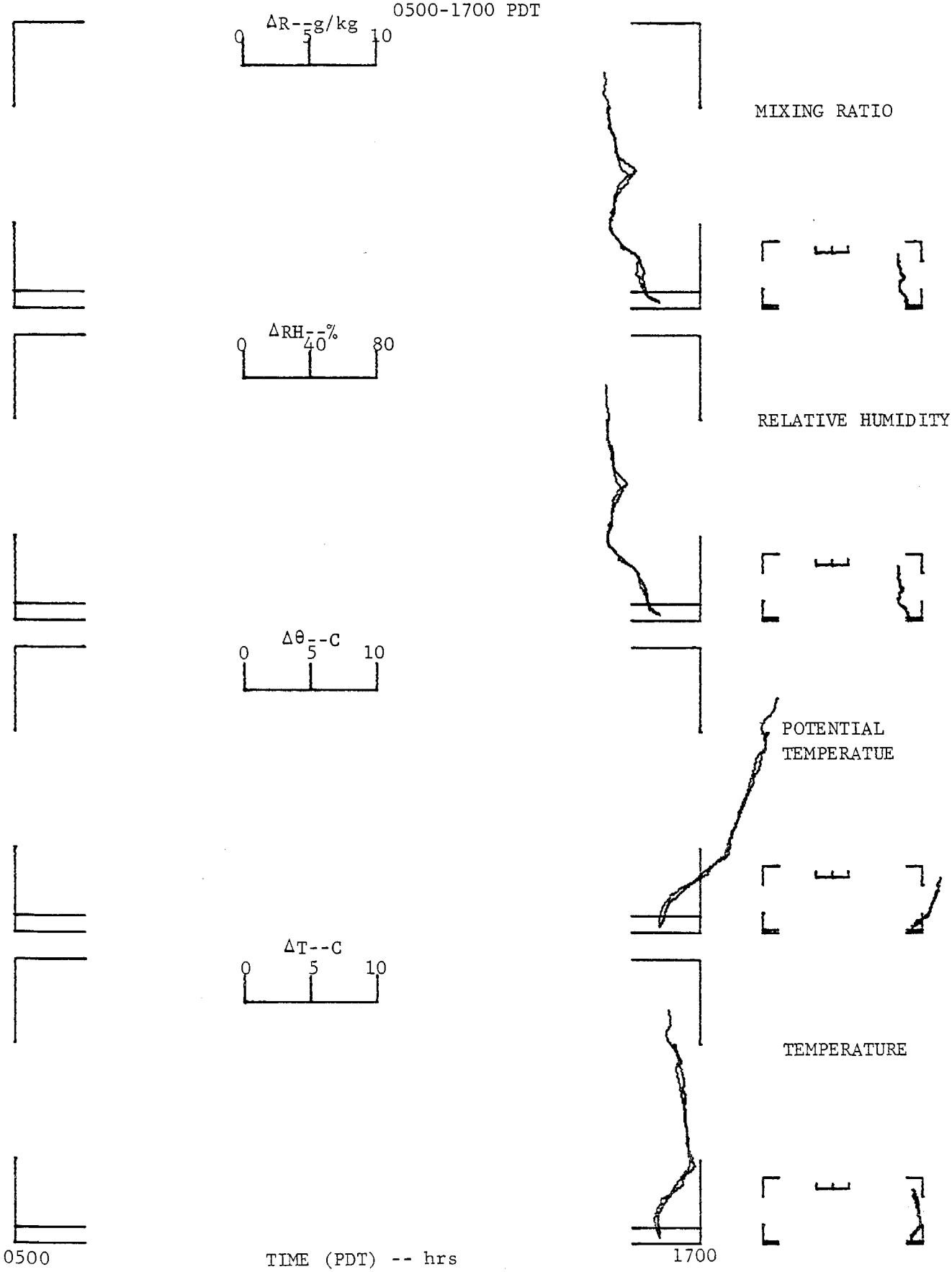

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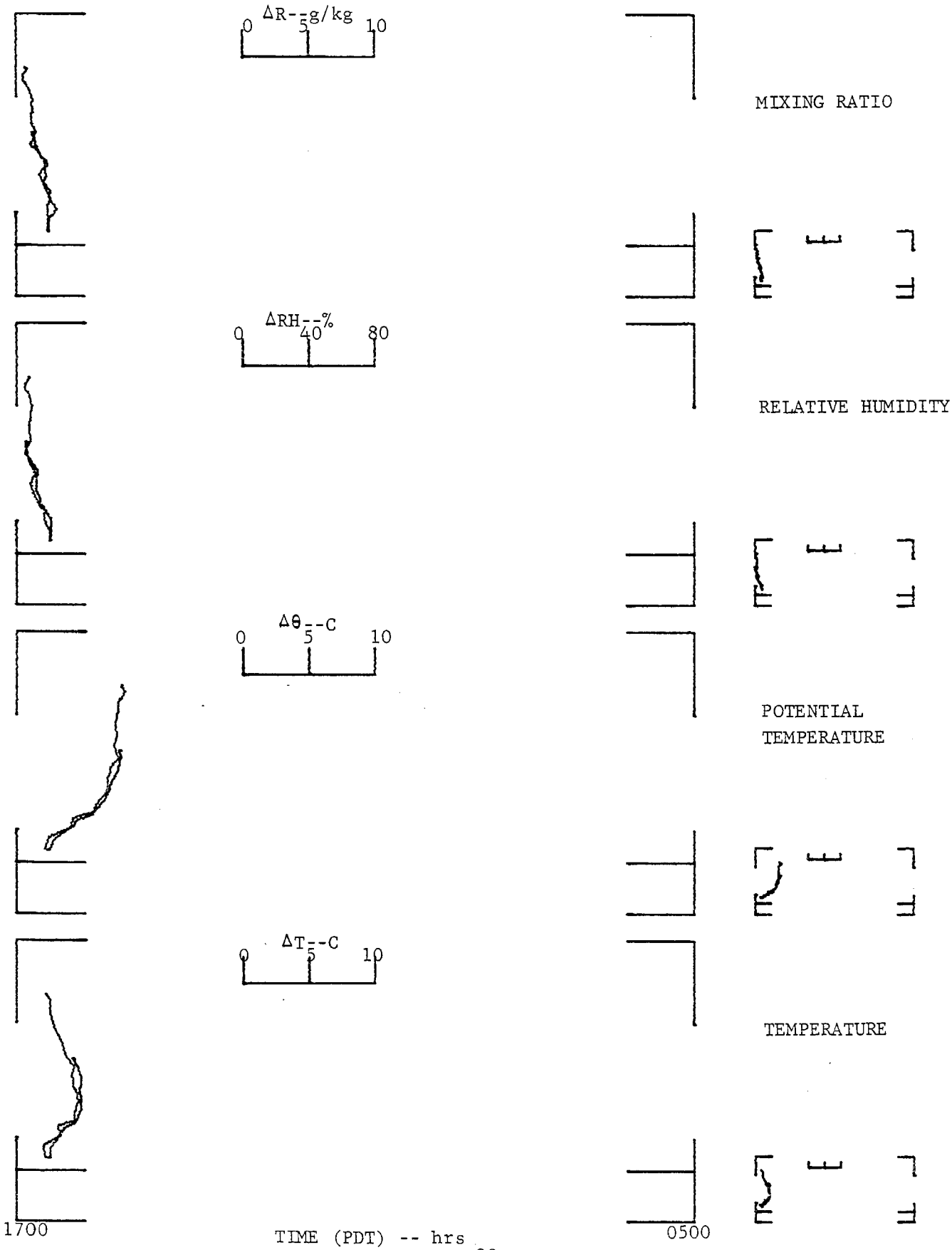

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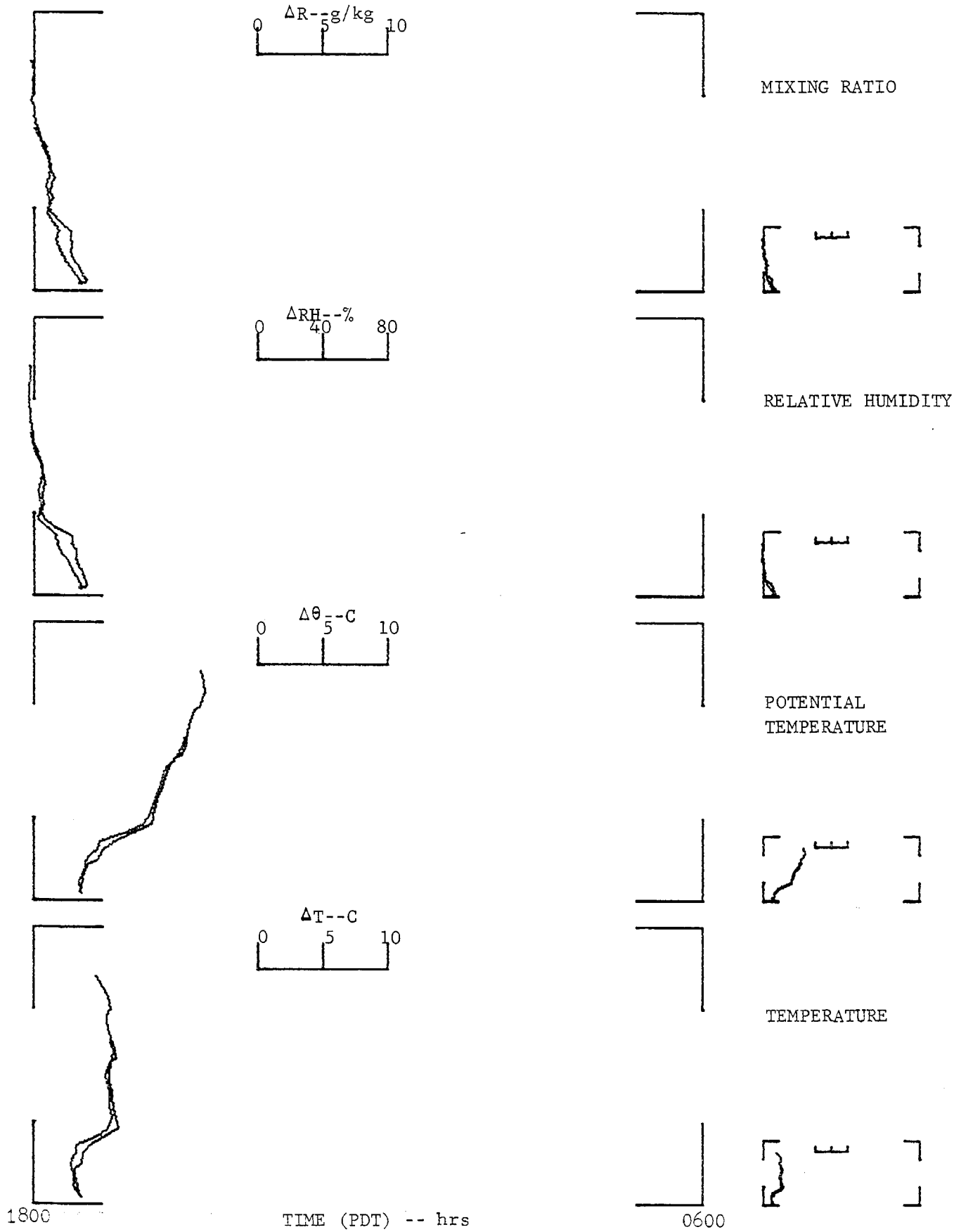

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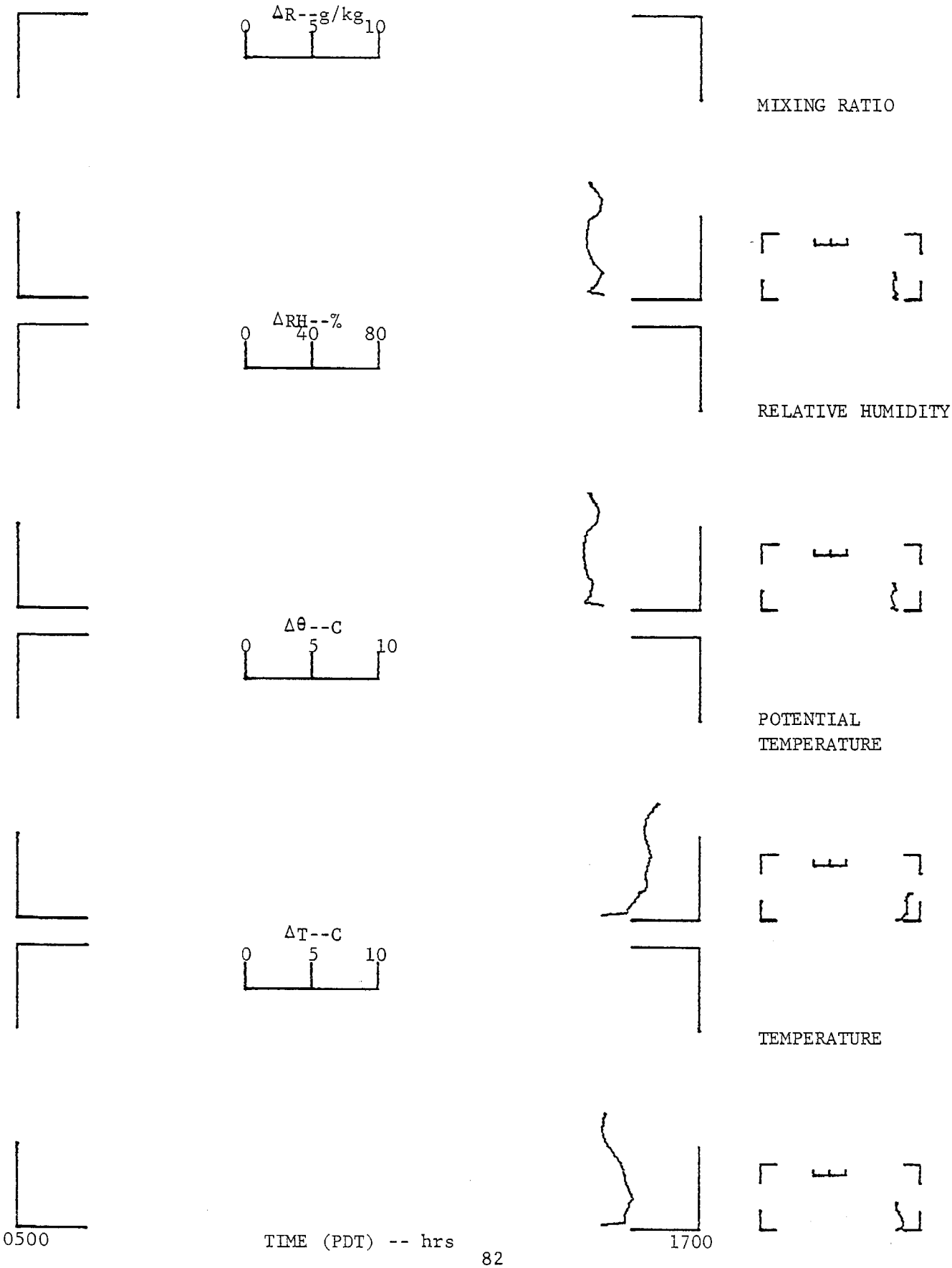

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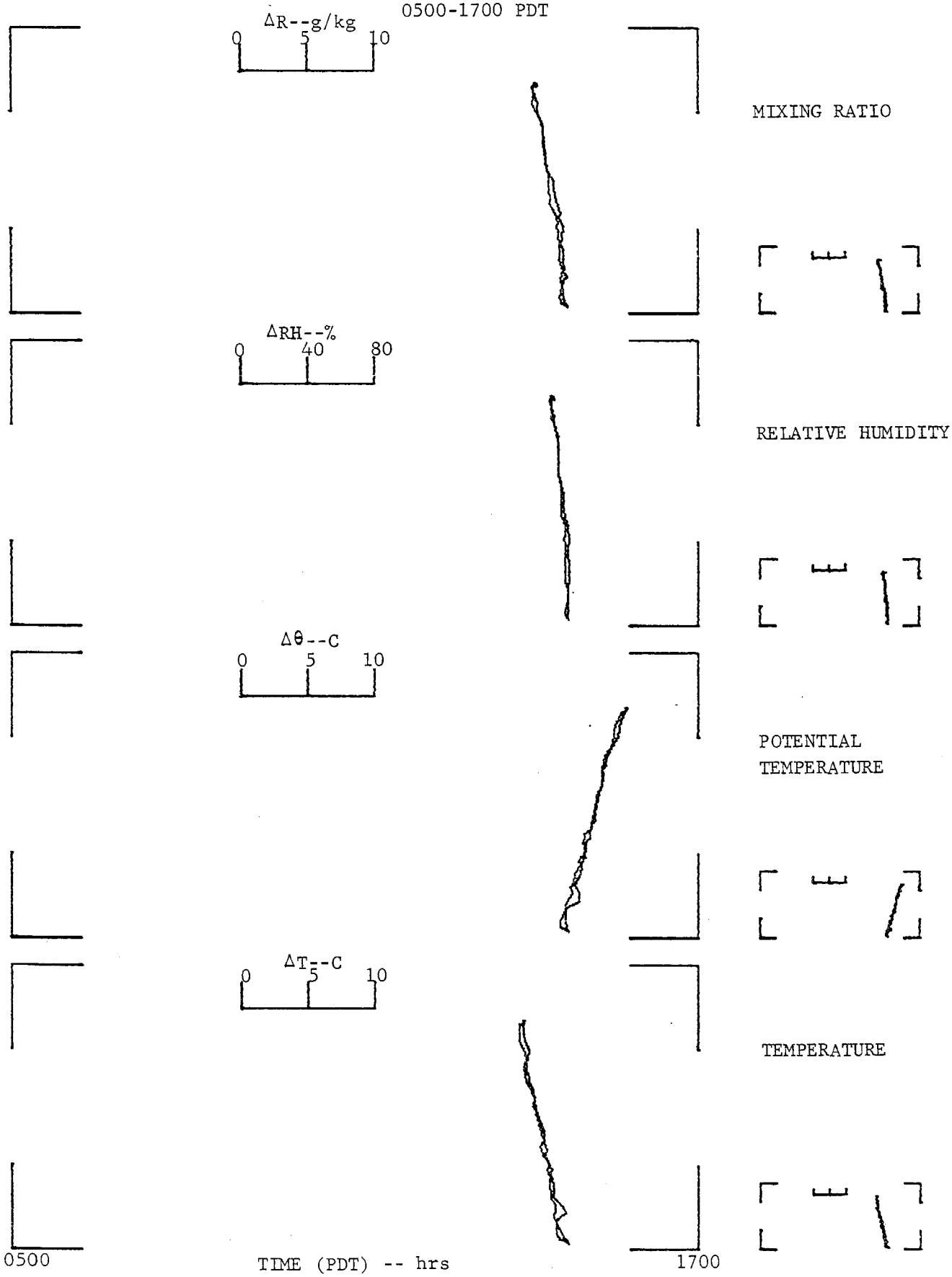

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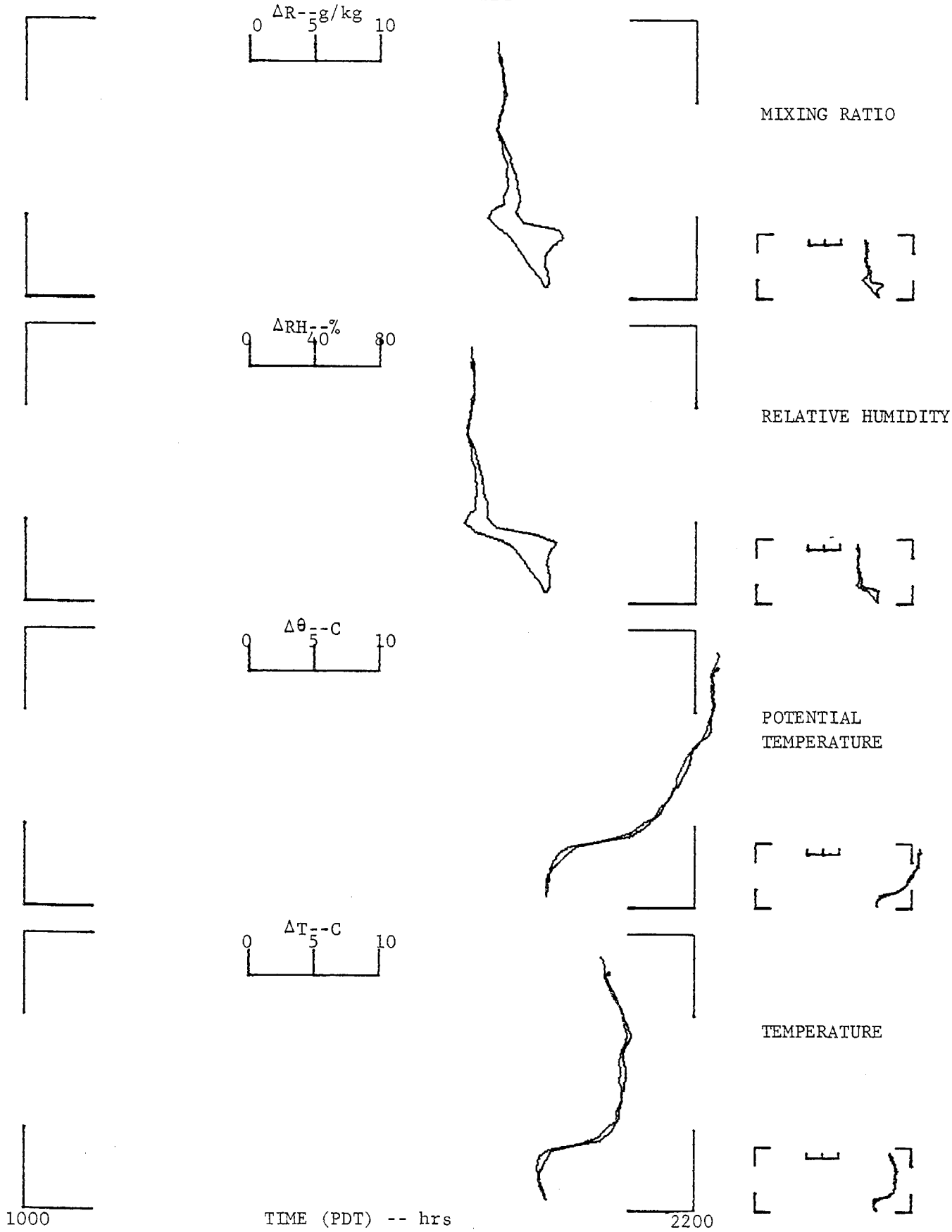

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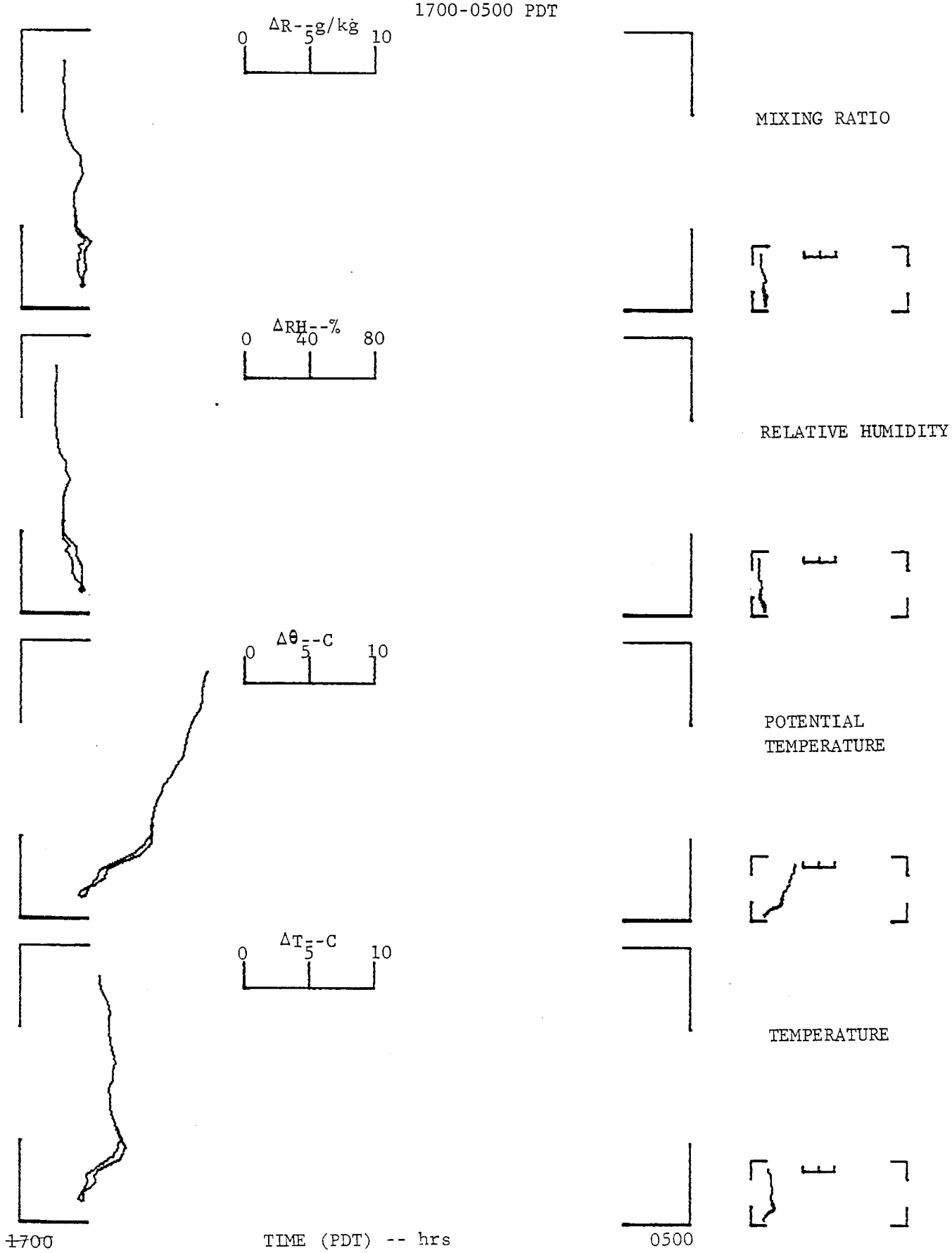

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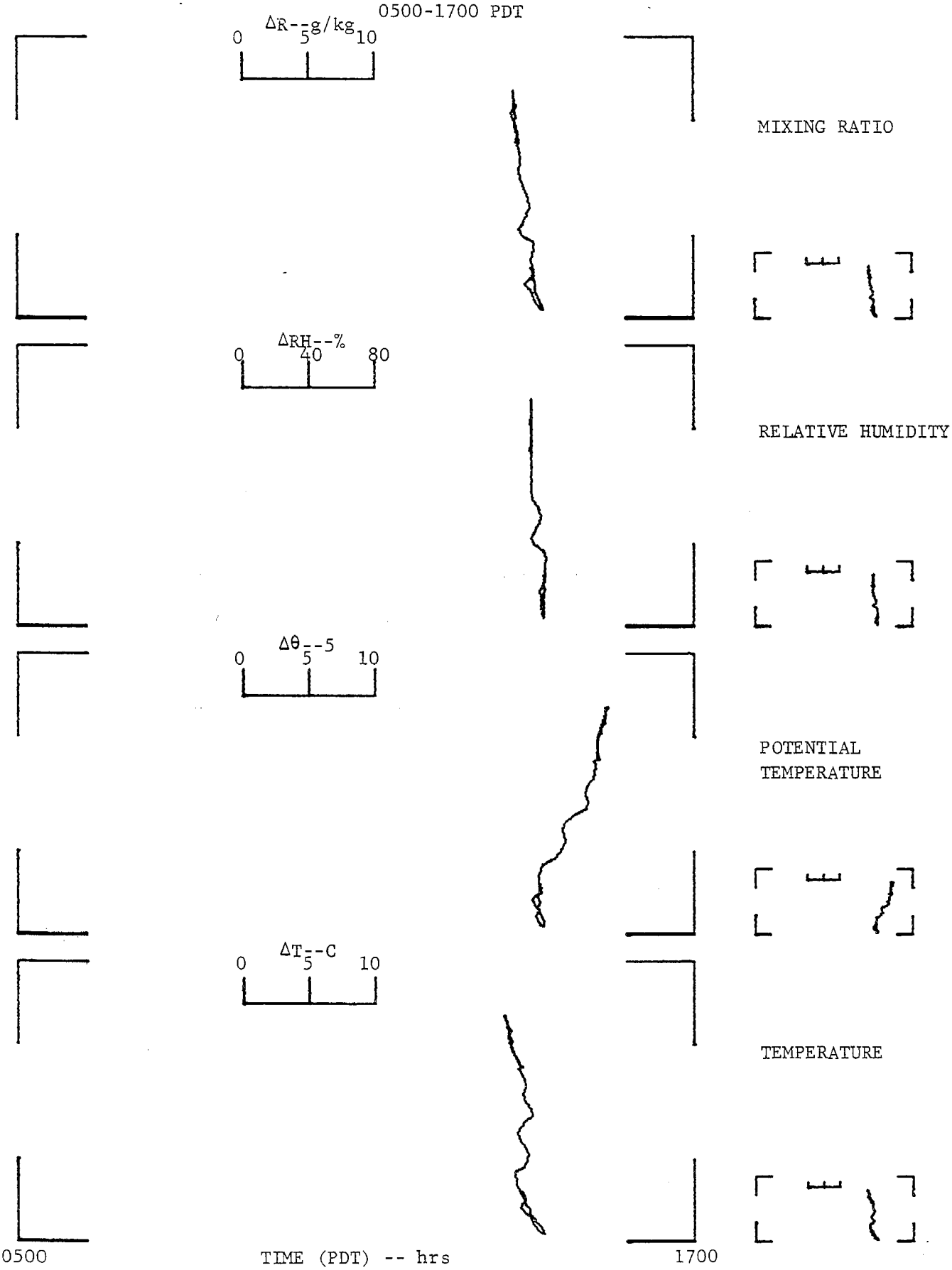

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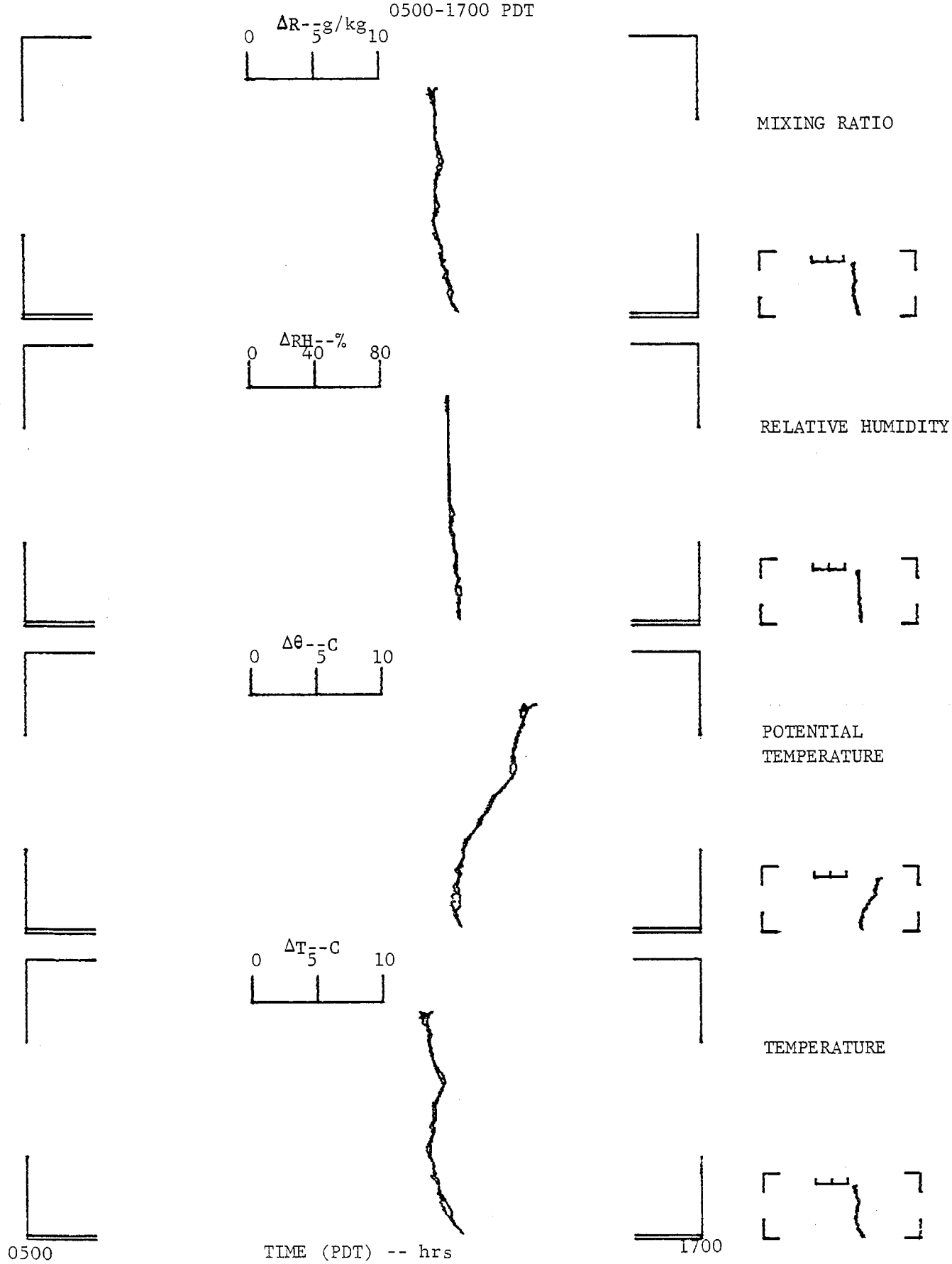

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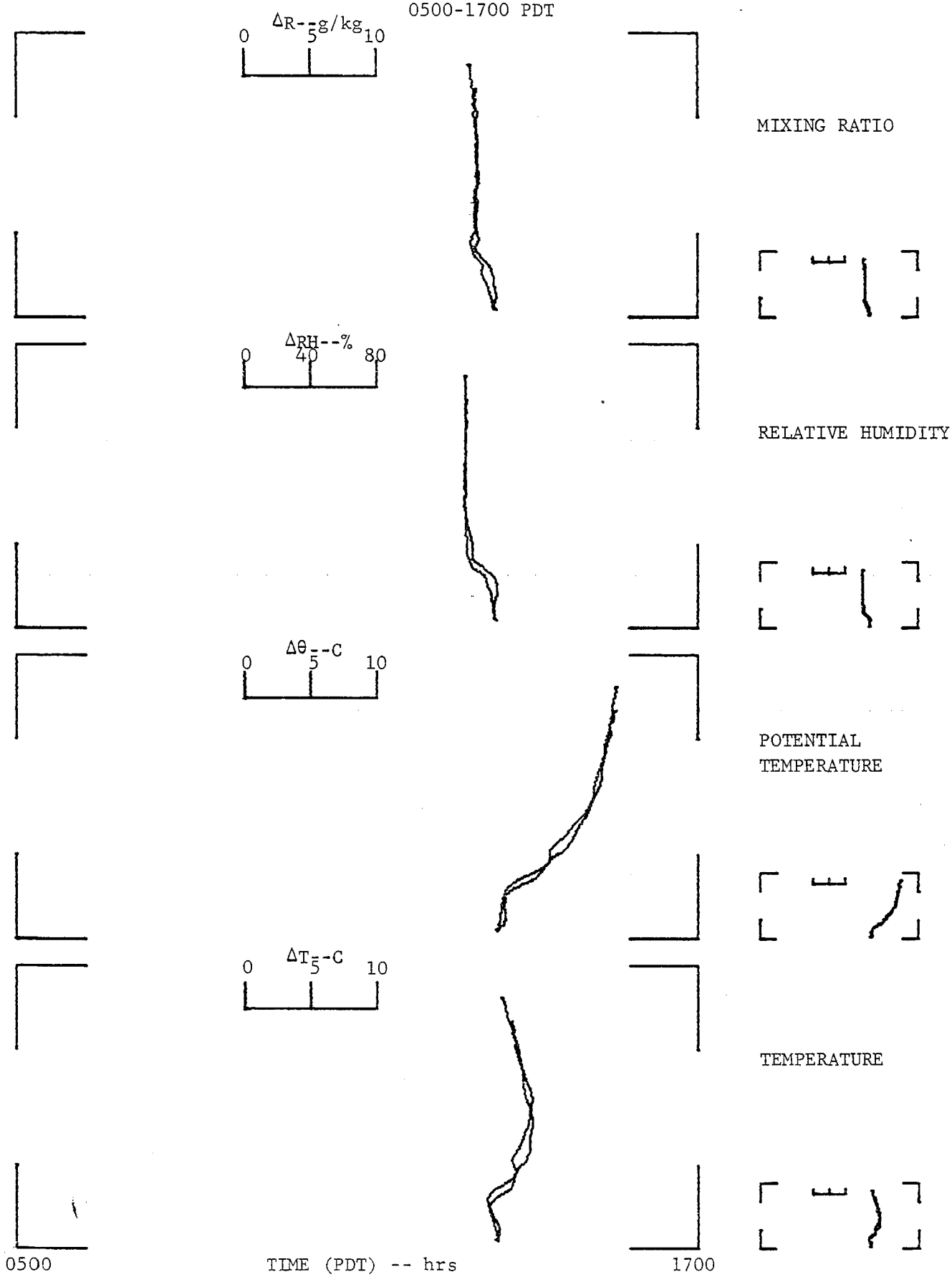

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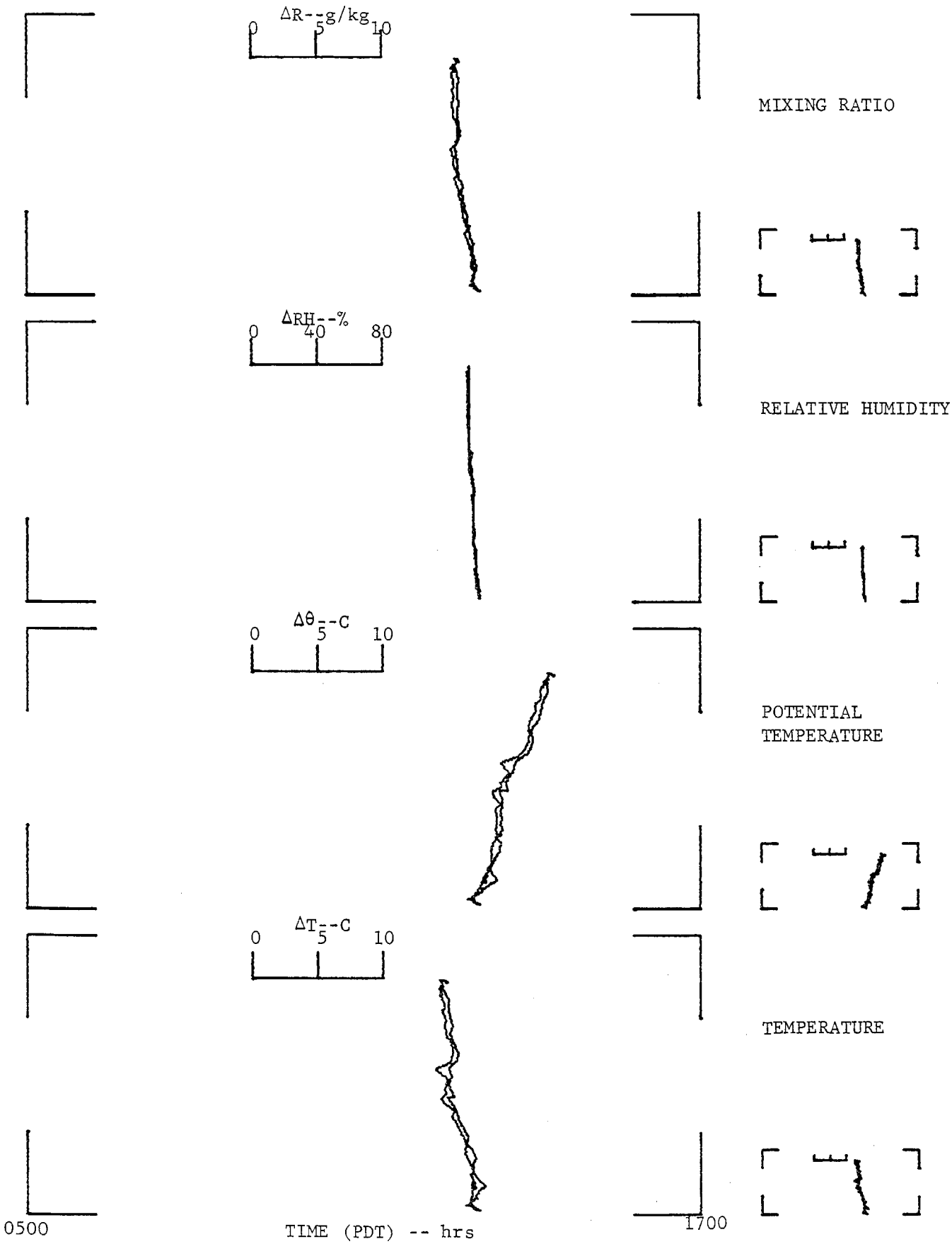
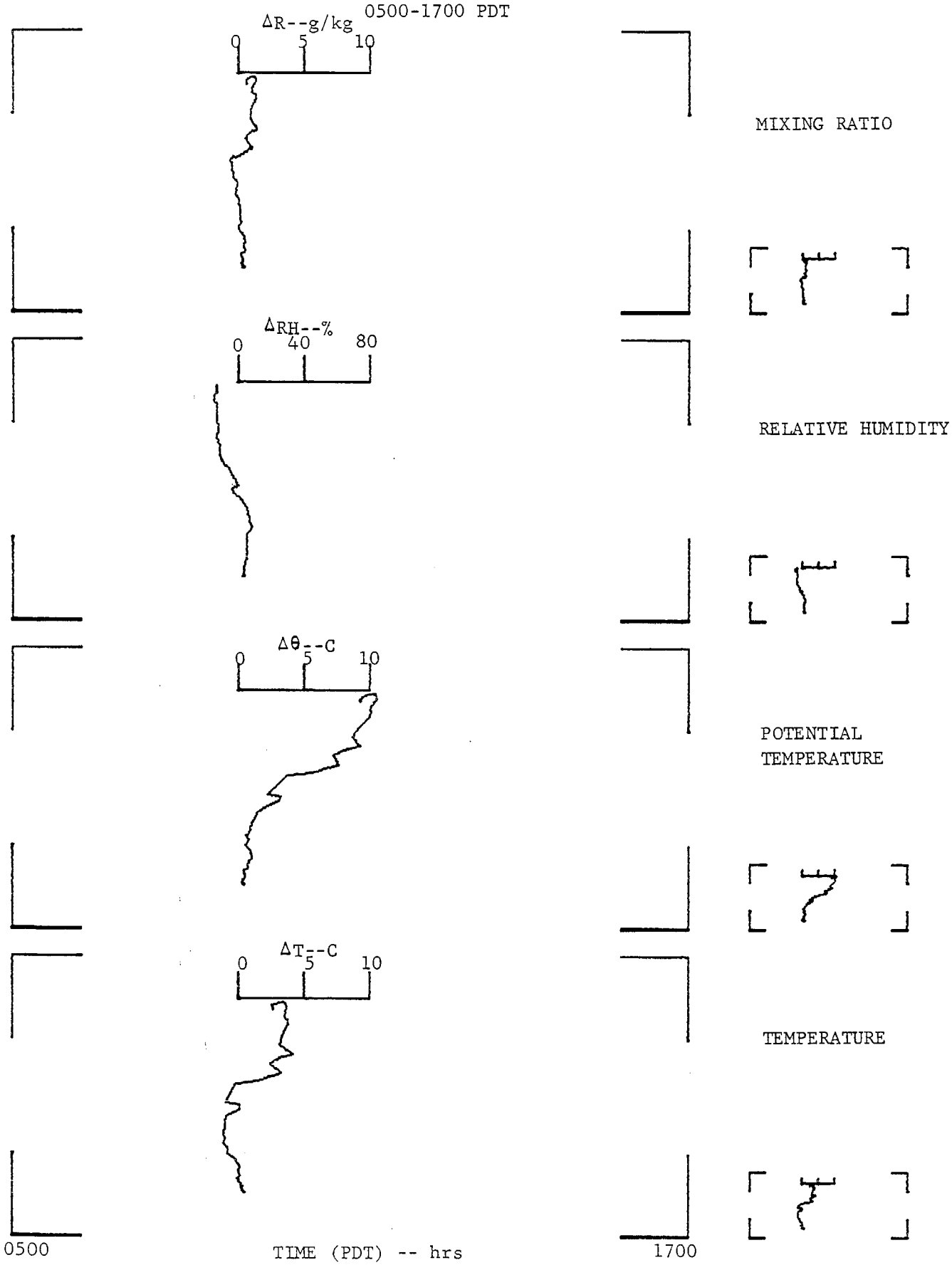


SITE 2. MARTINEZ

22 OCT 1976

0500-1700 PDT



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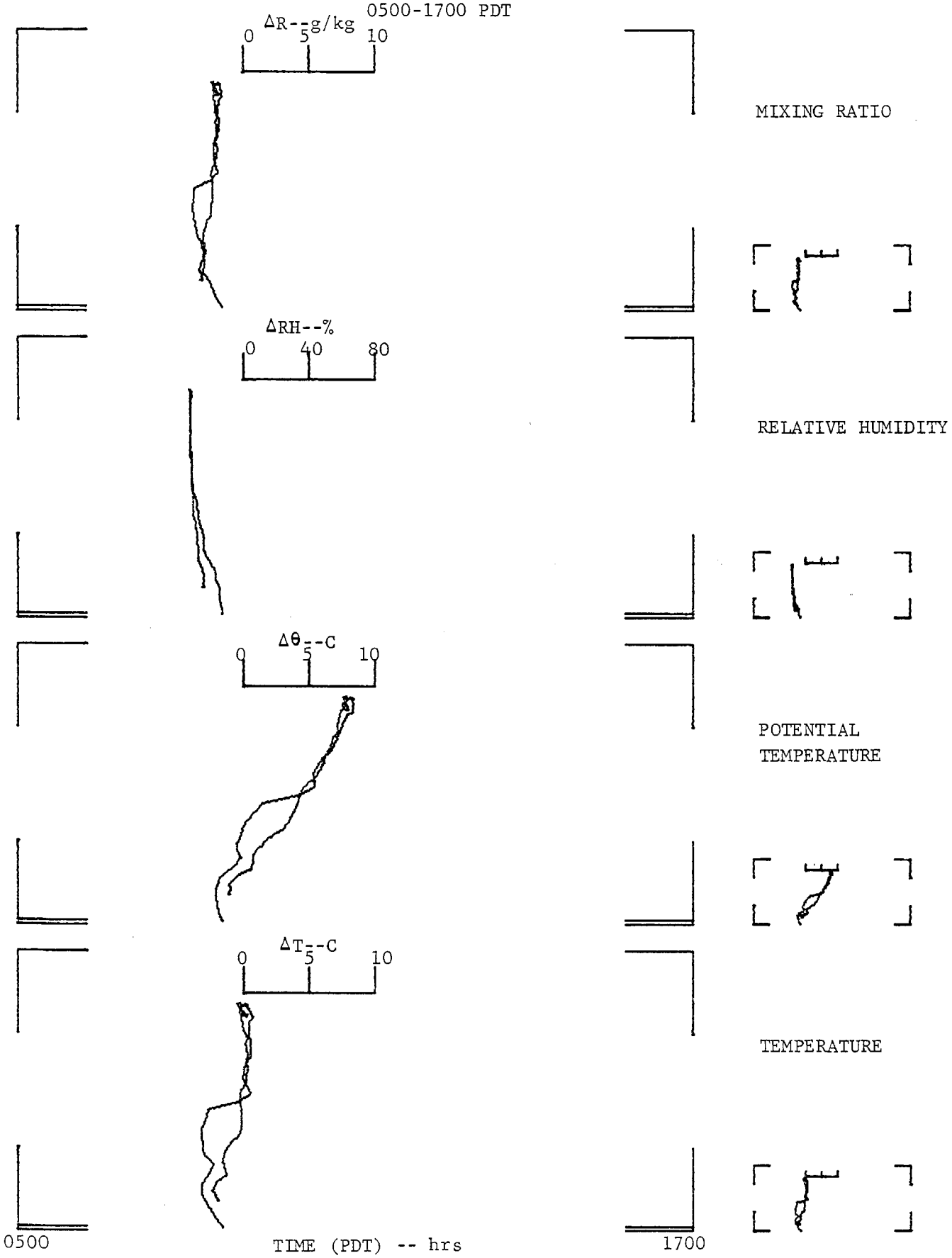

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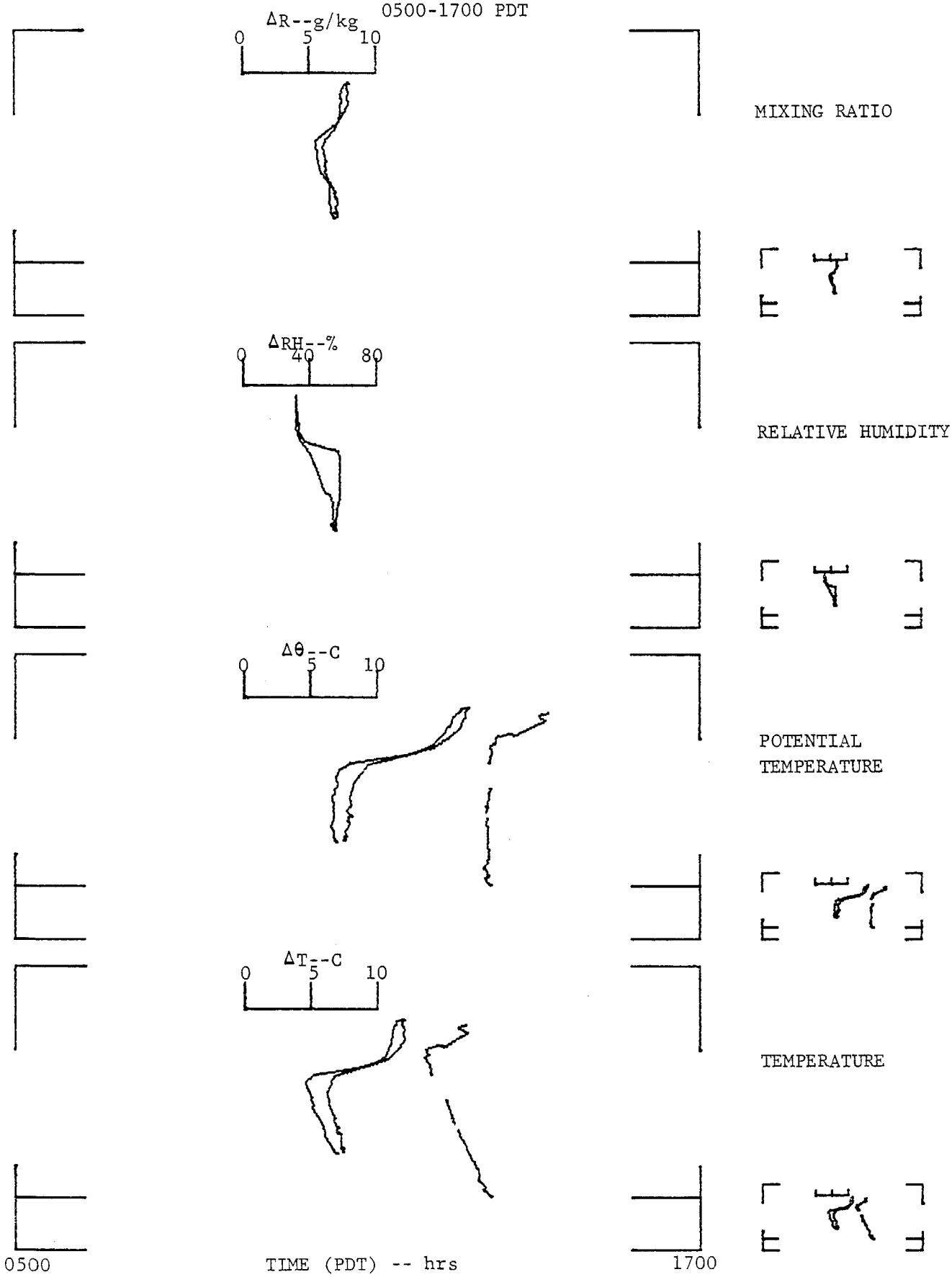

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22 OCT 1976

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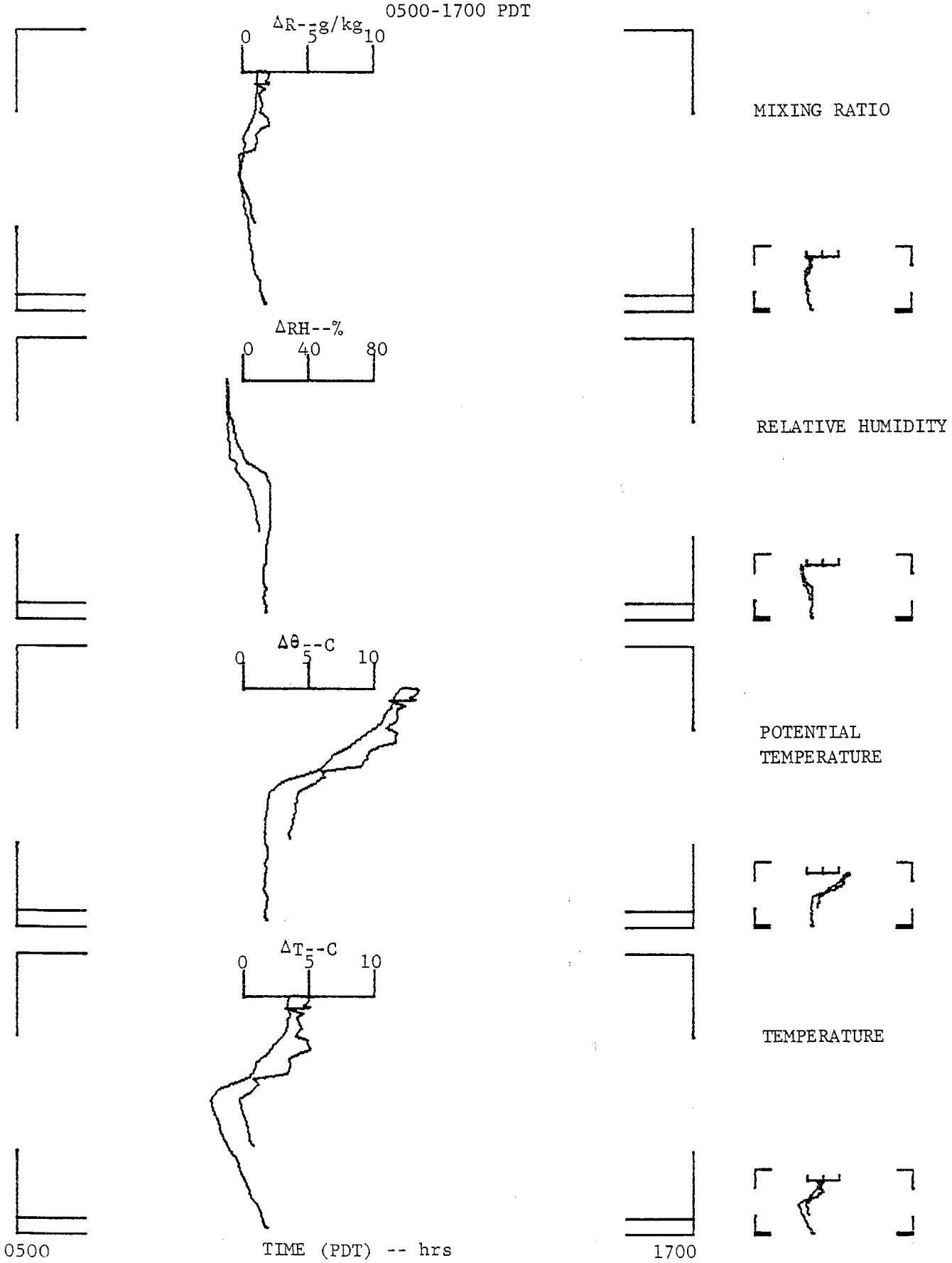

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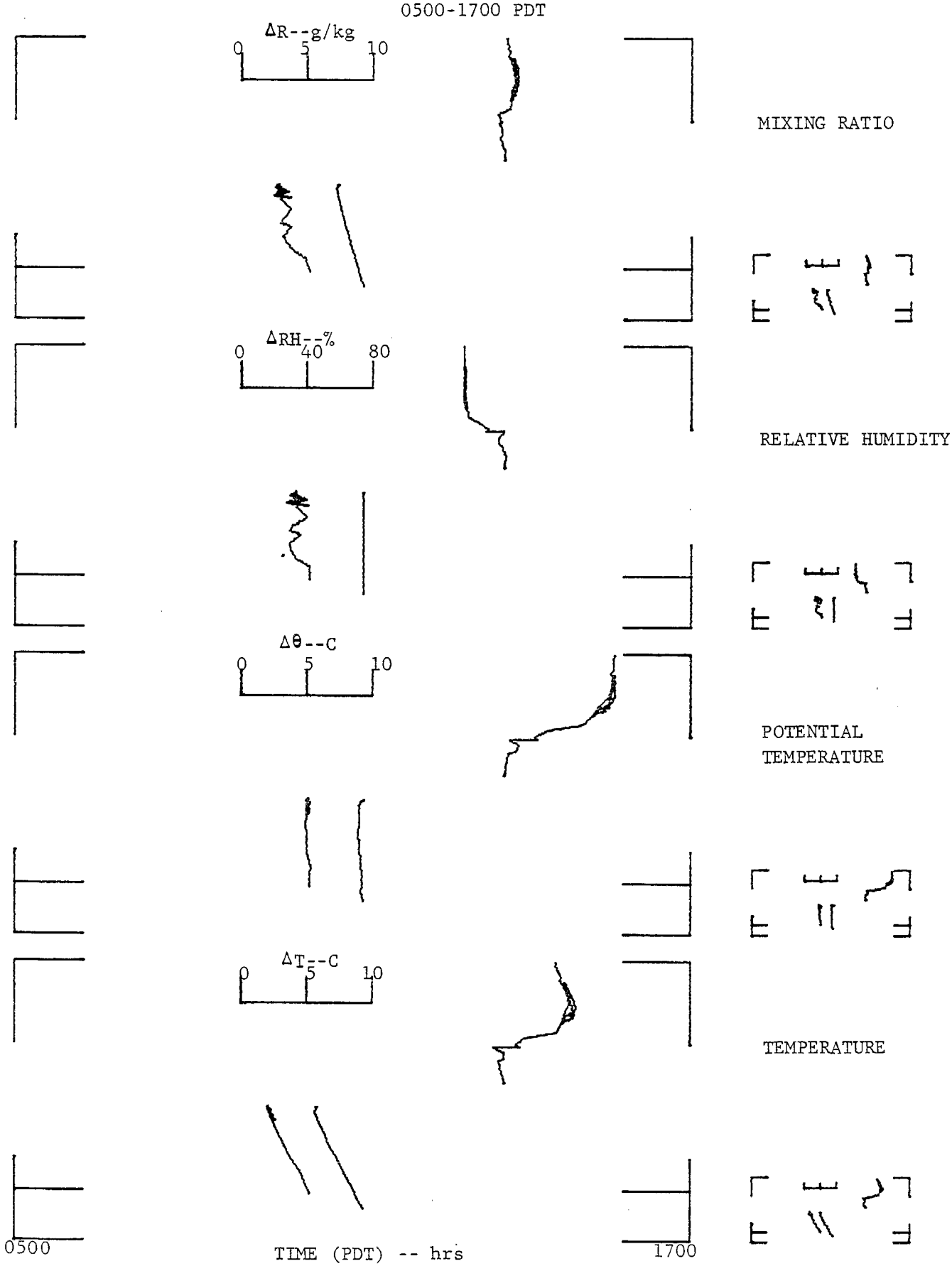
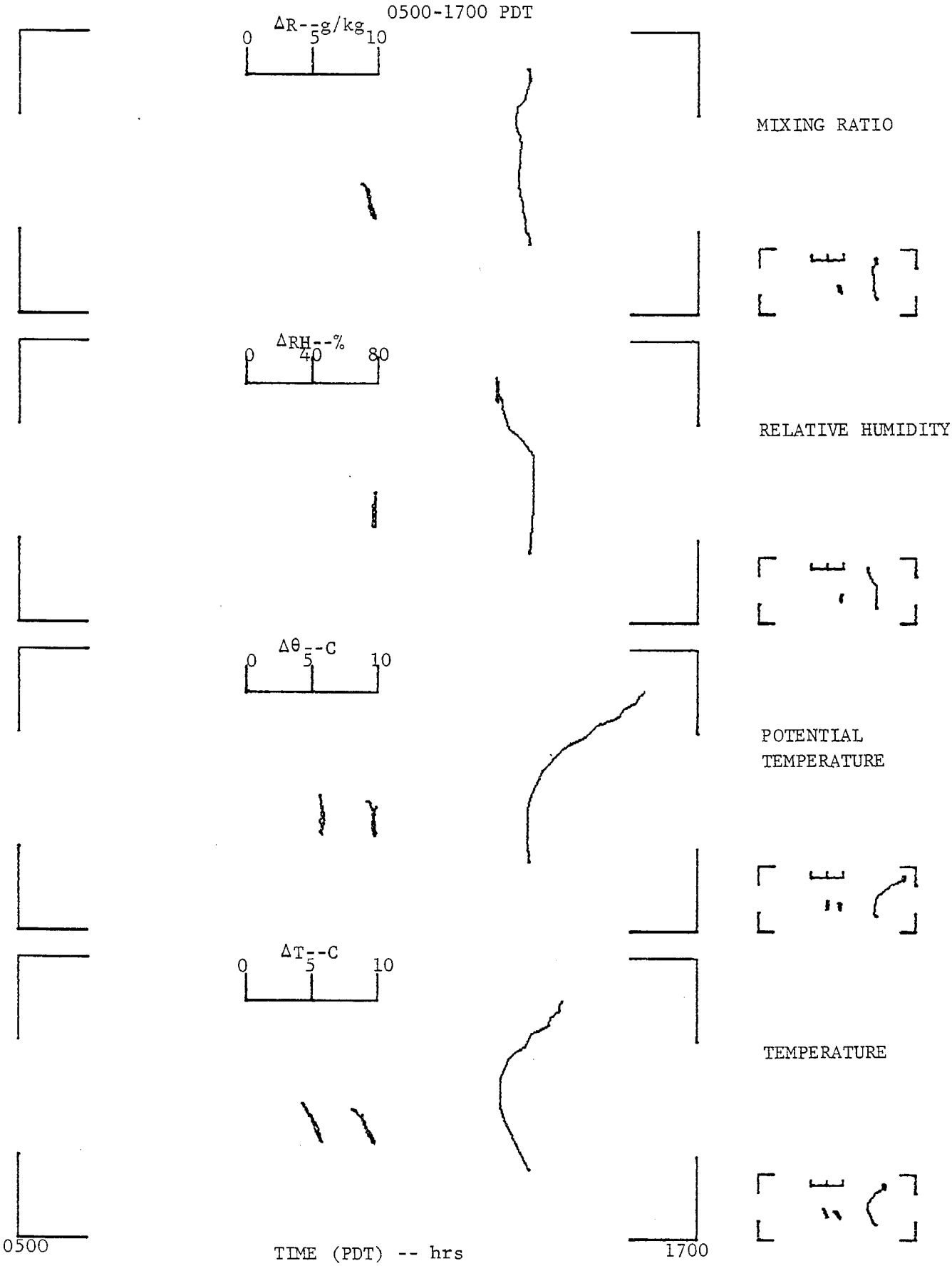


SITE 13. SAN LORENZO

22 OCT 1976

0500-1700 PDT



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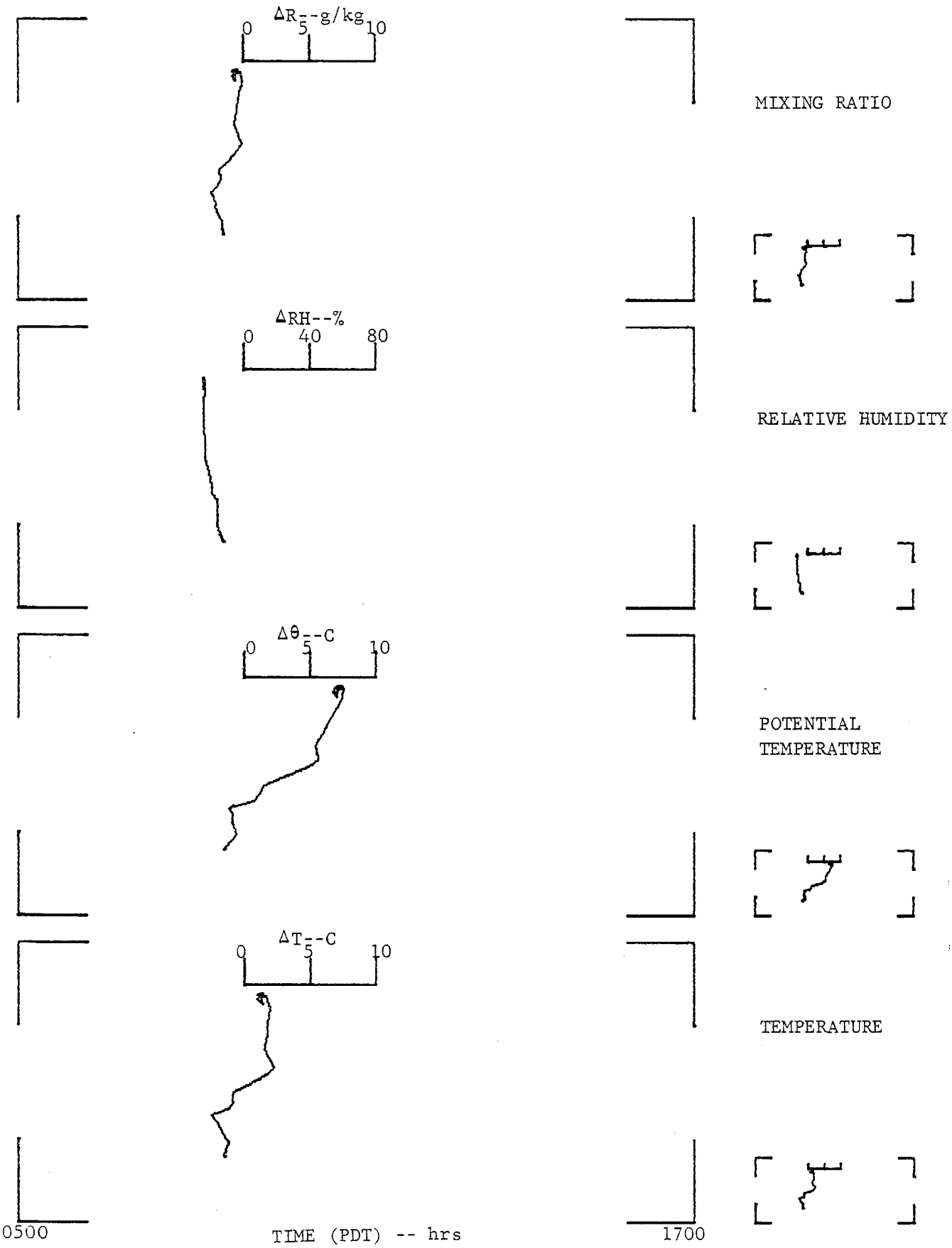

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25 OCT 1976

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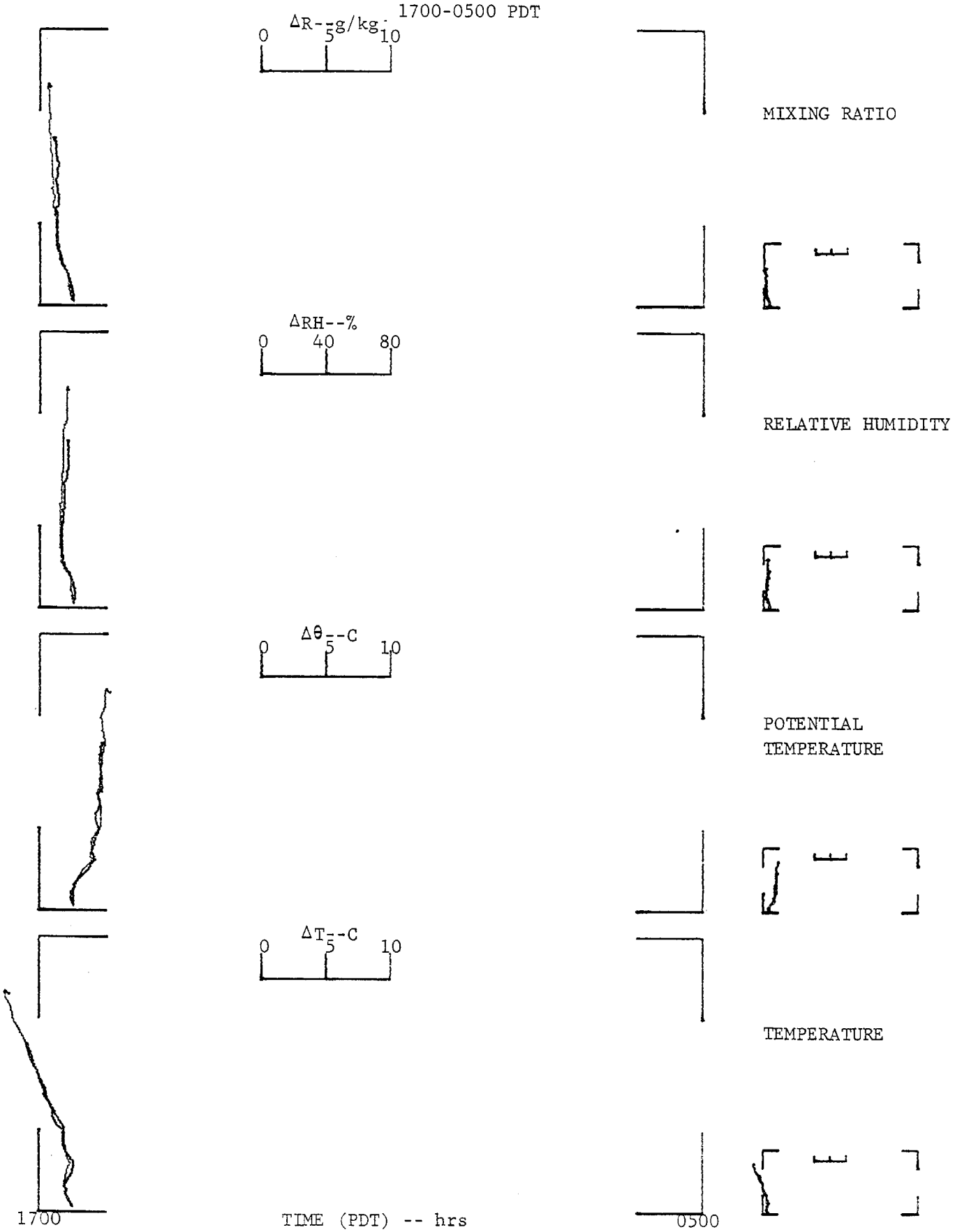

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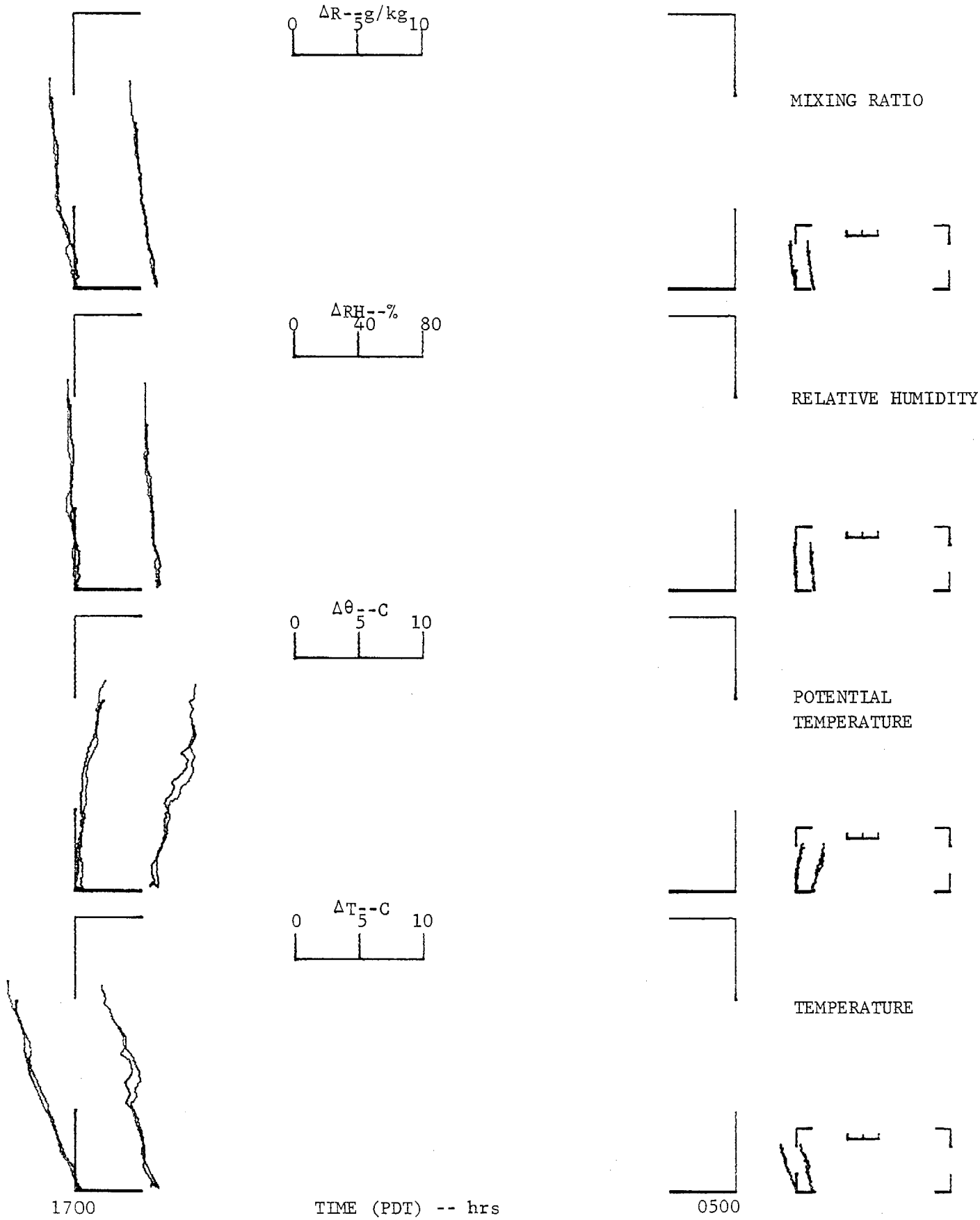

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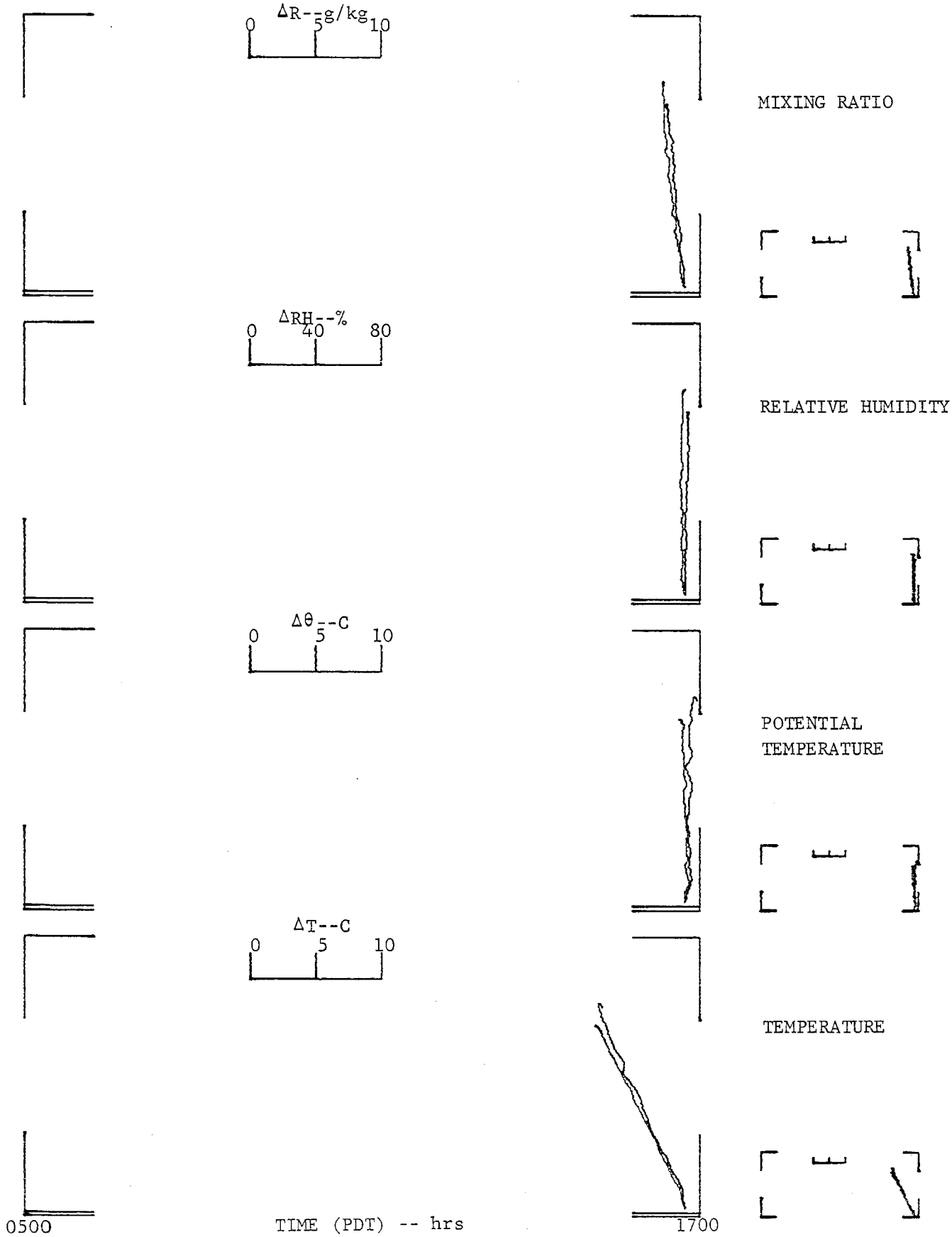

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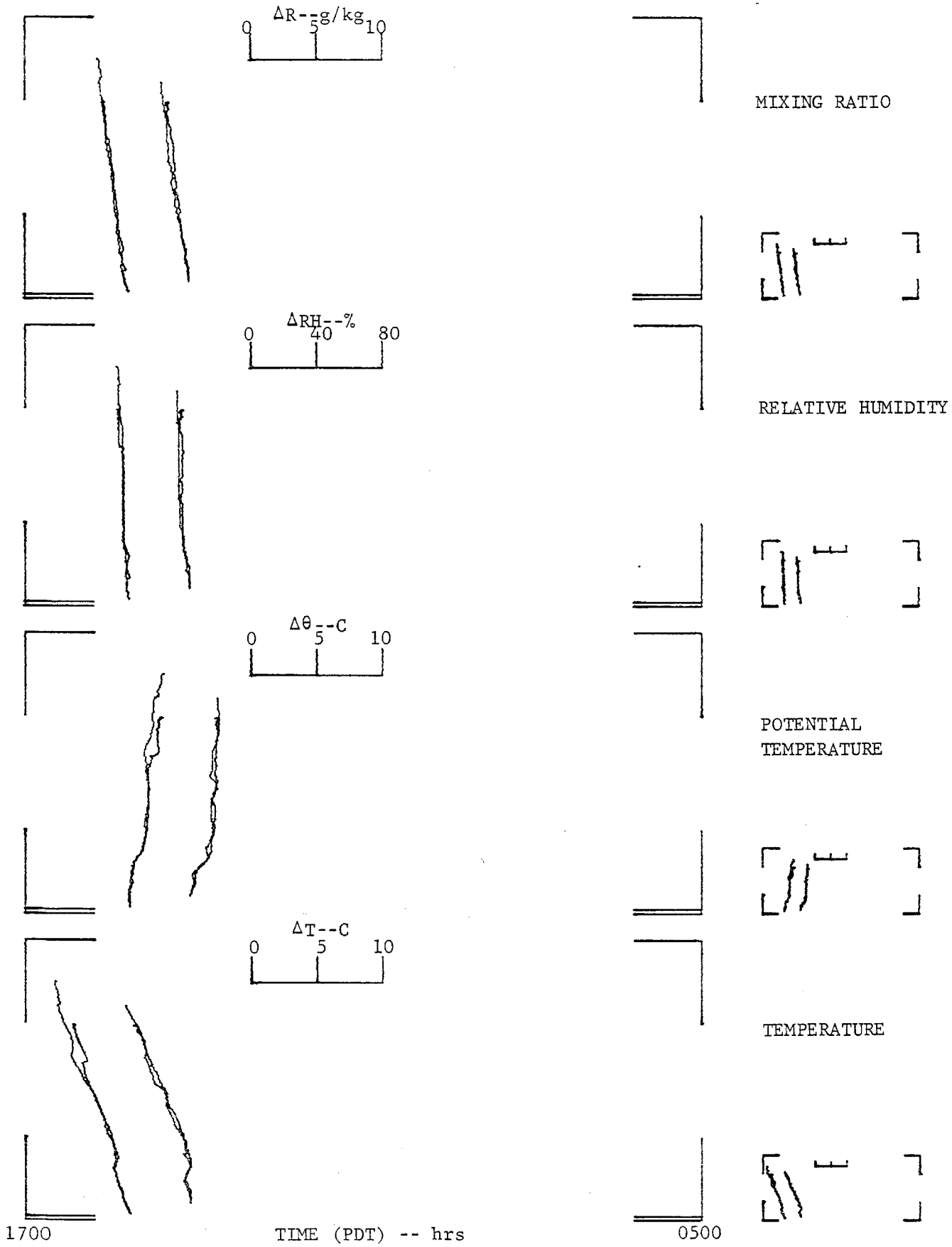

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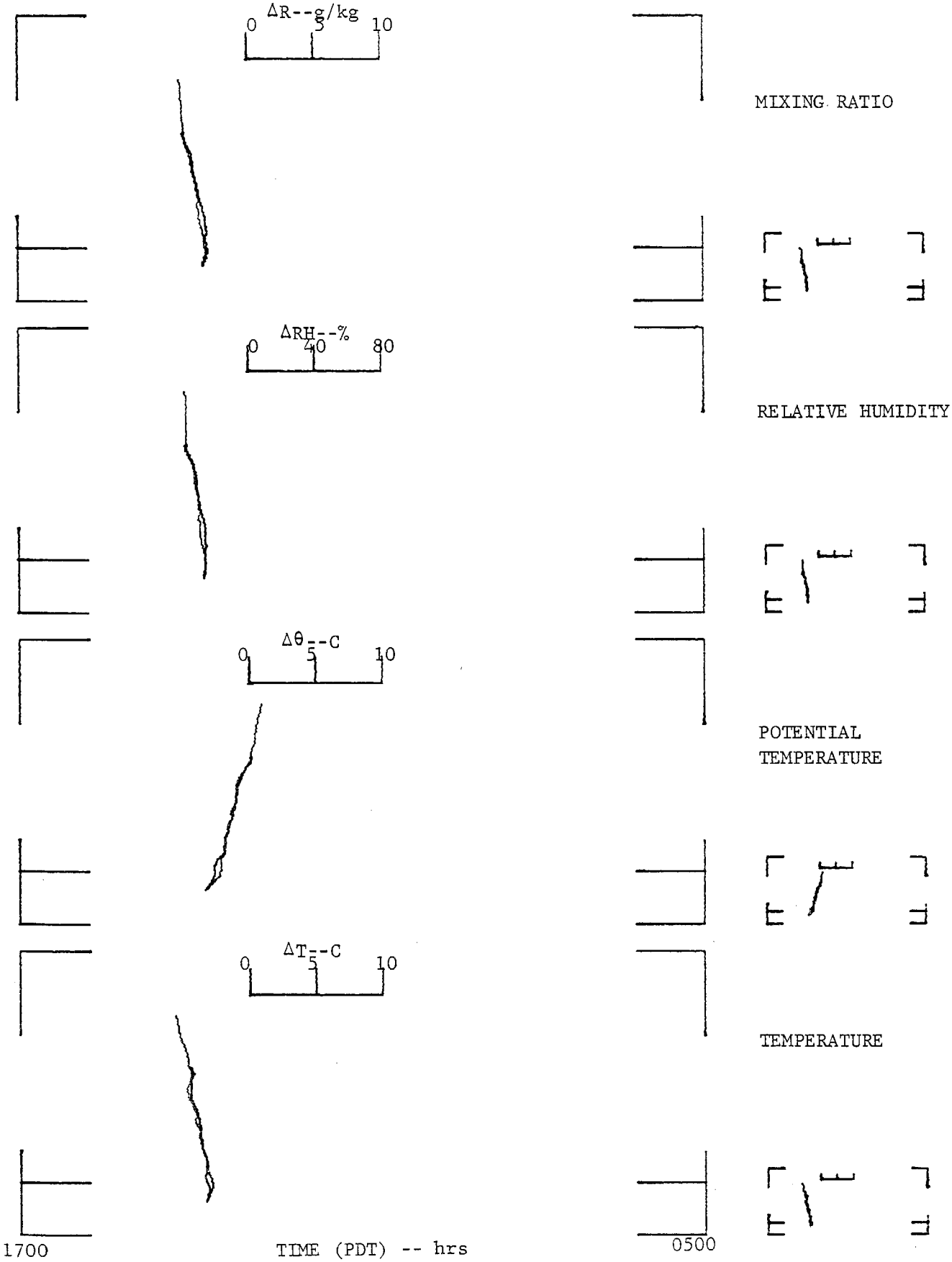

SITE 6. SAN JOSE
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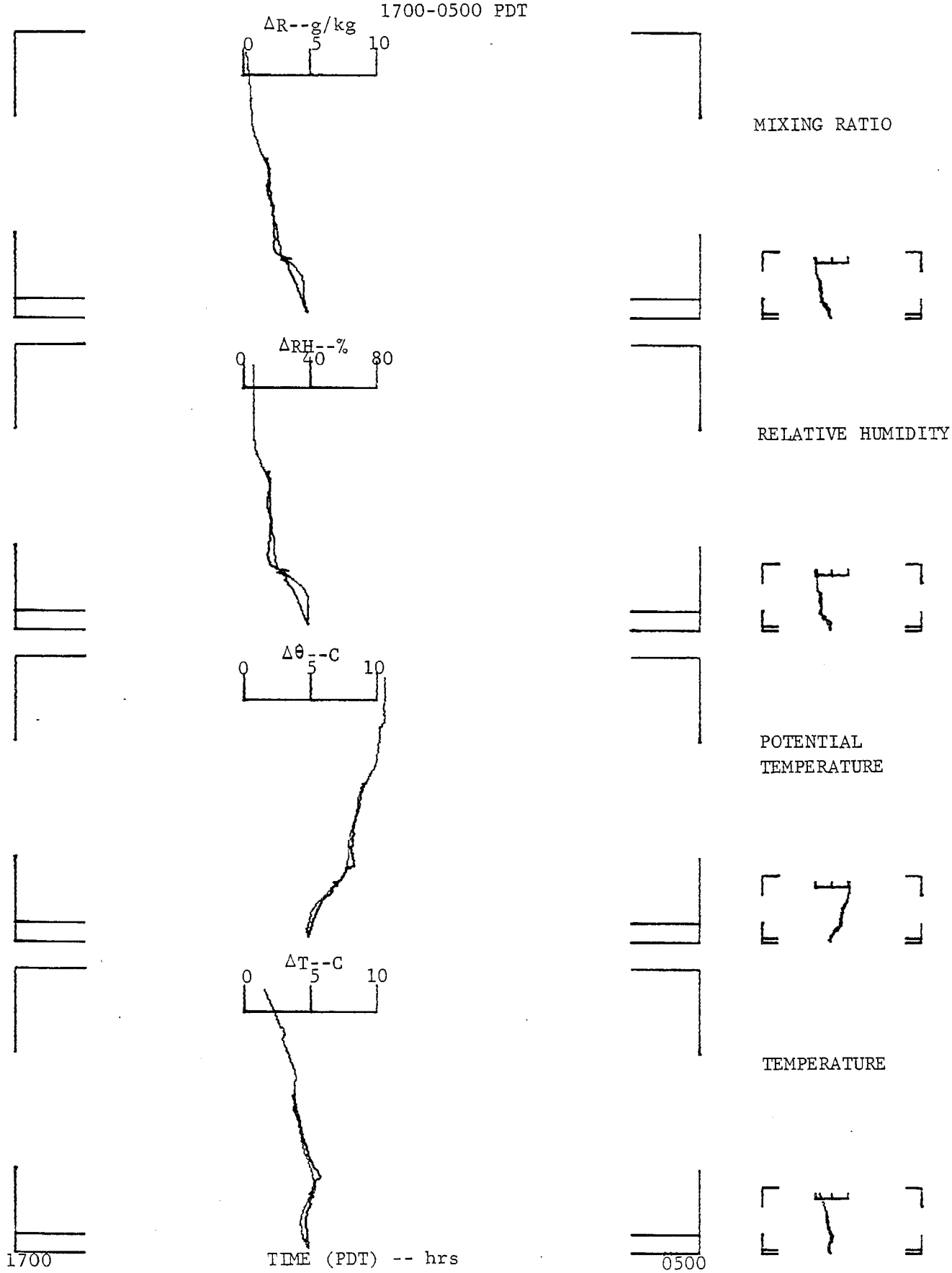

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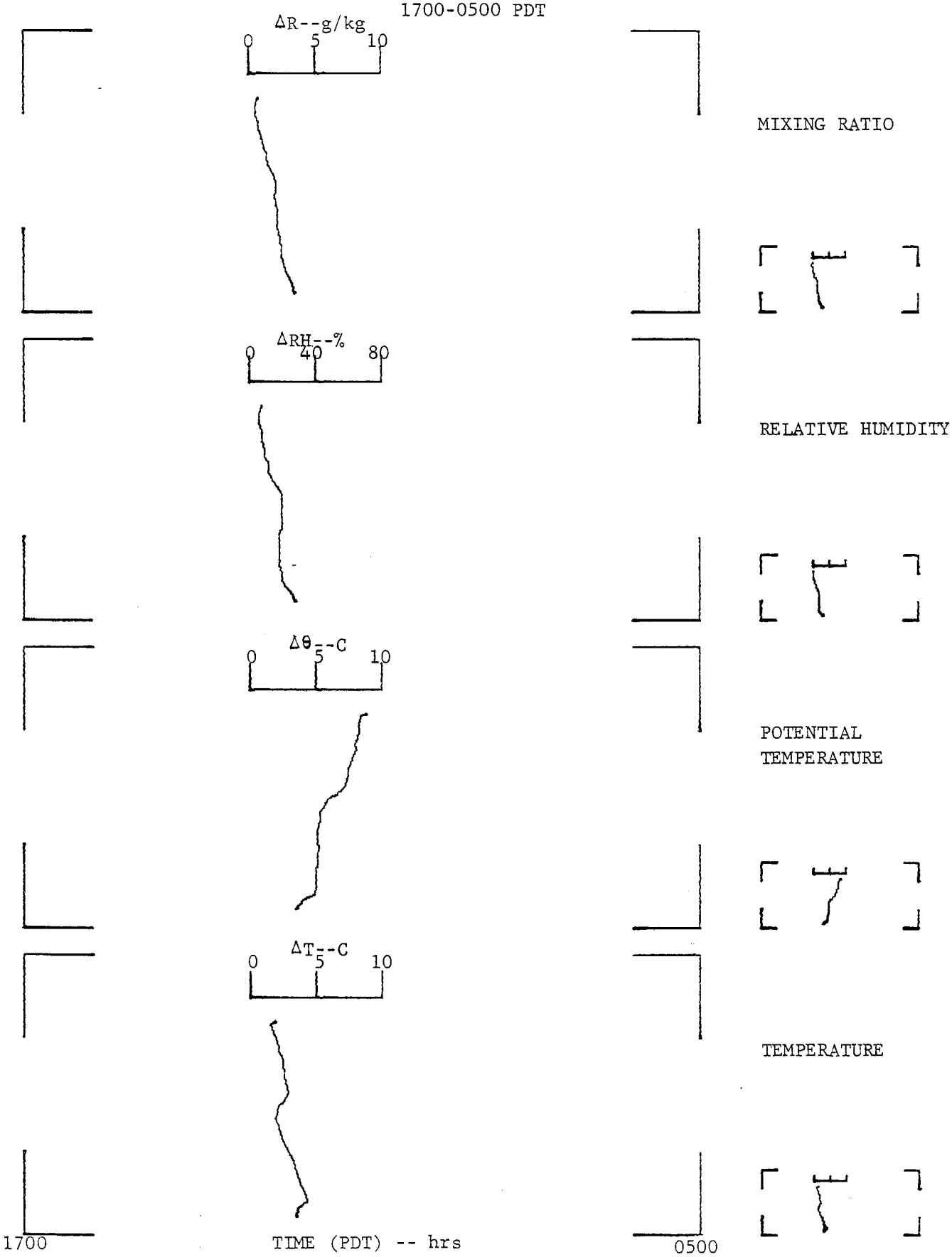

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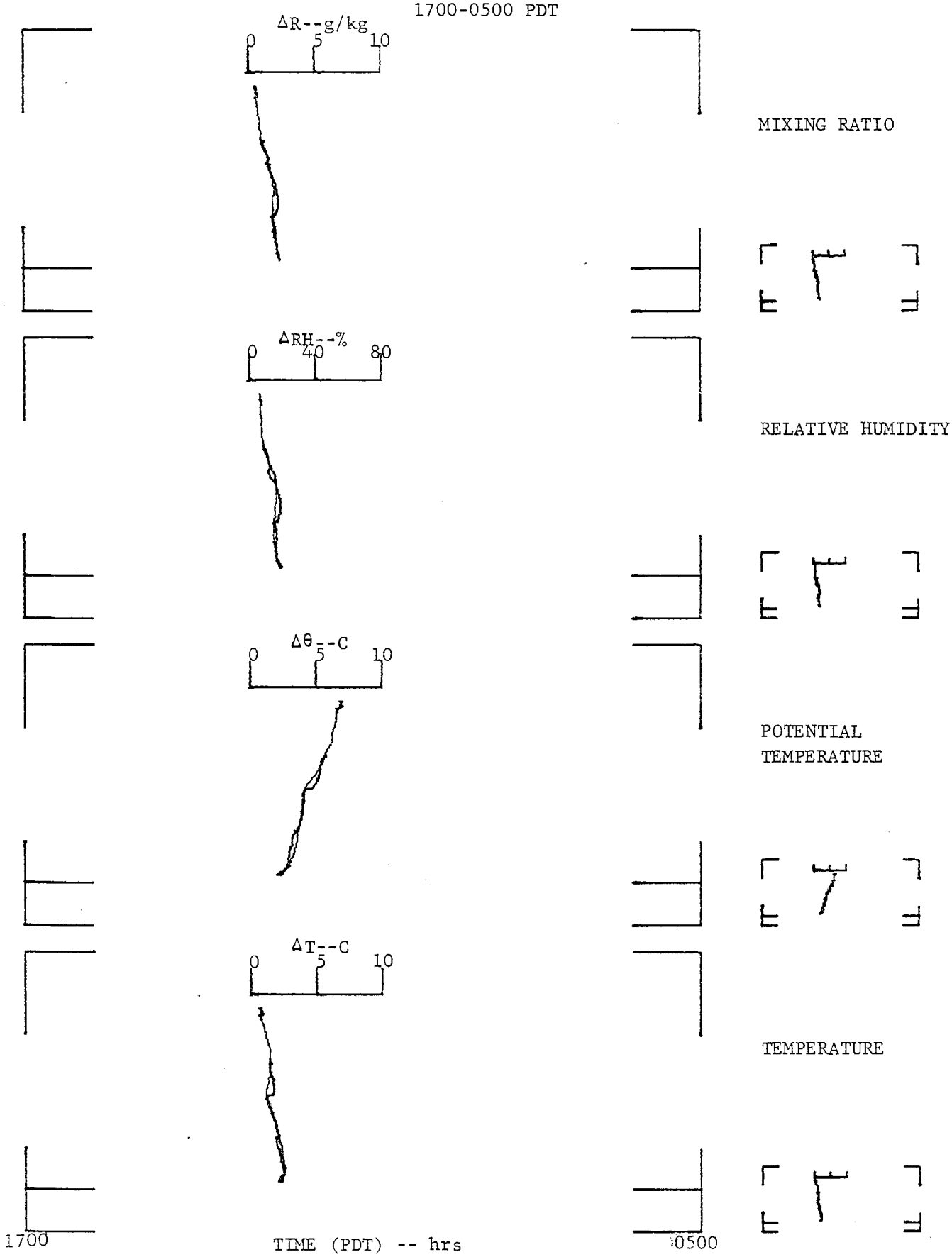

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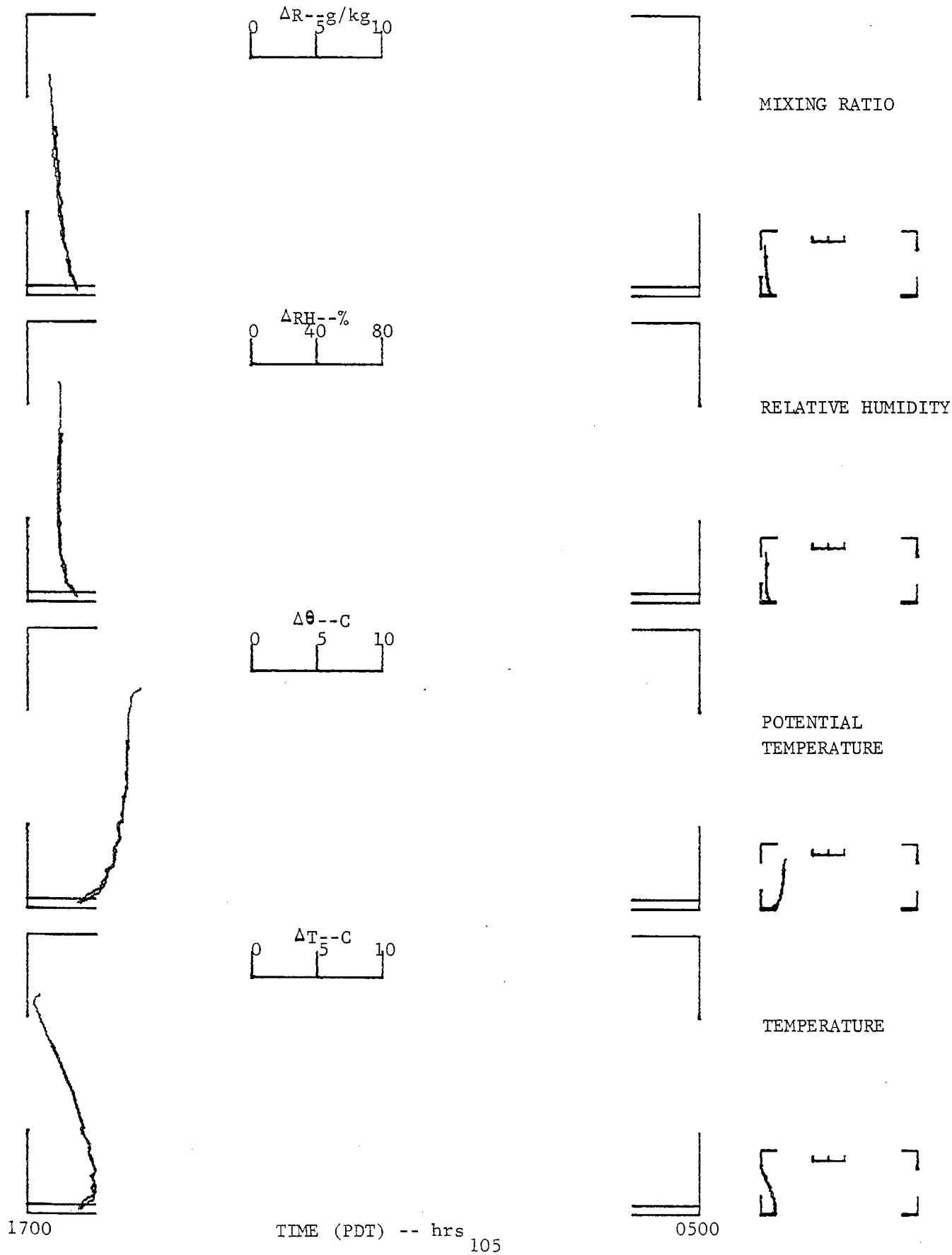
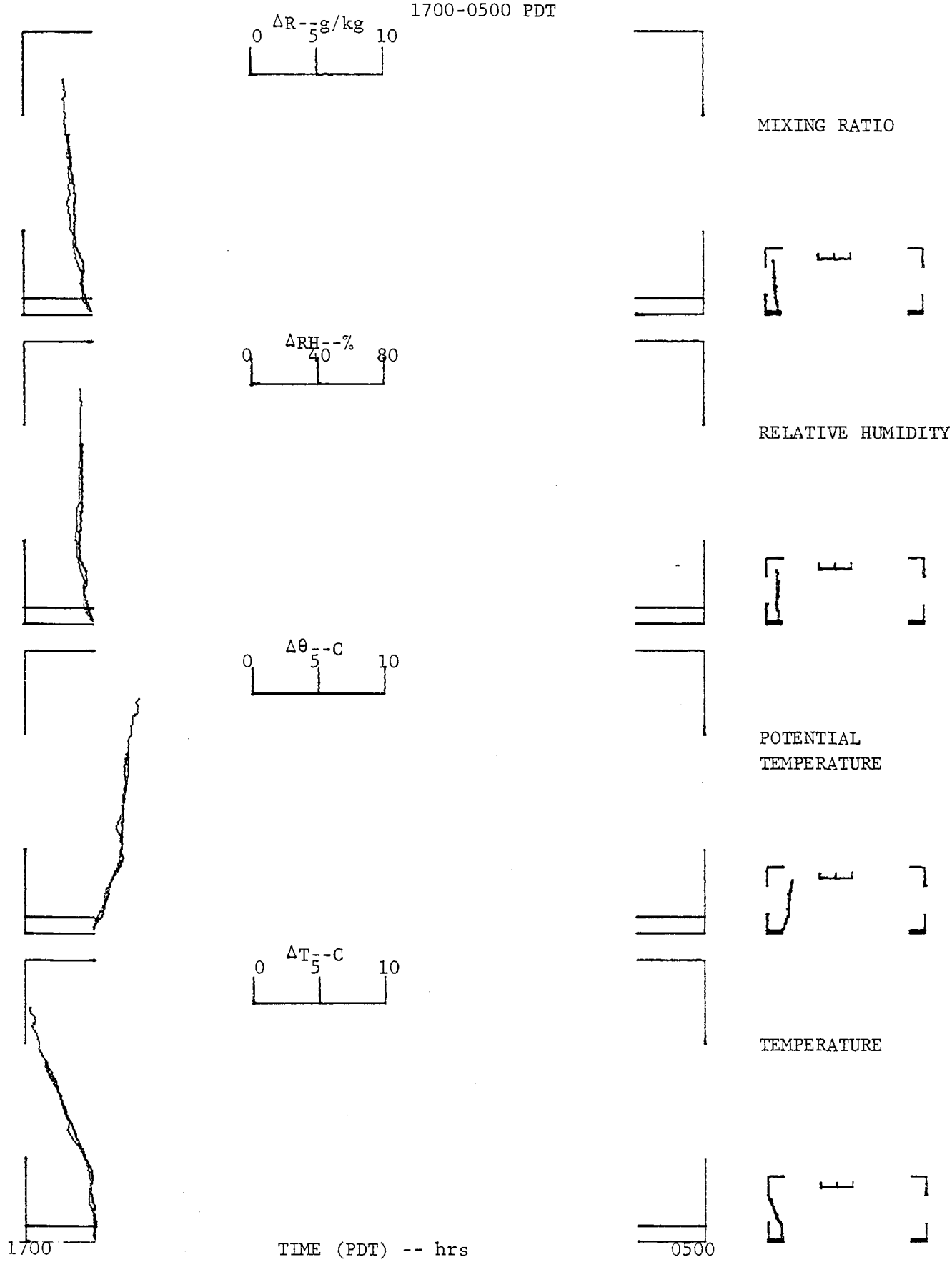
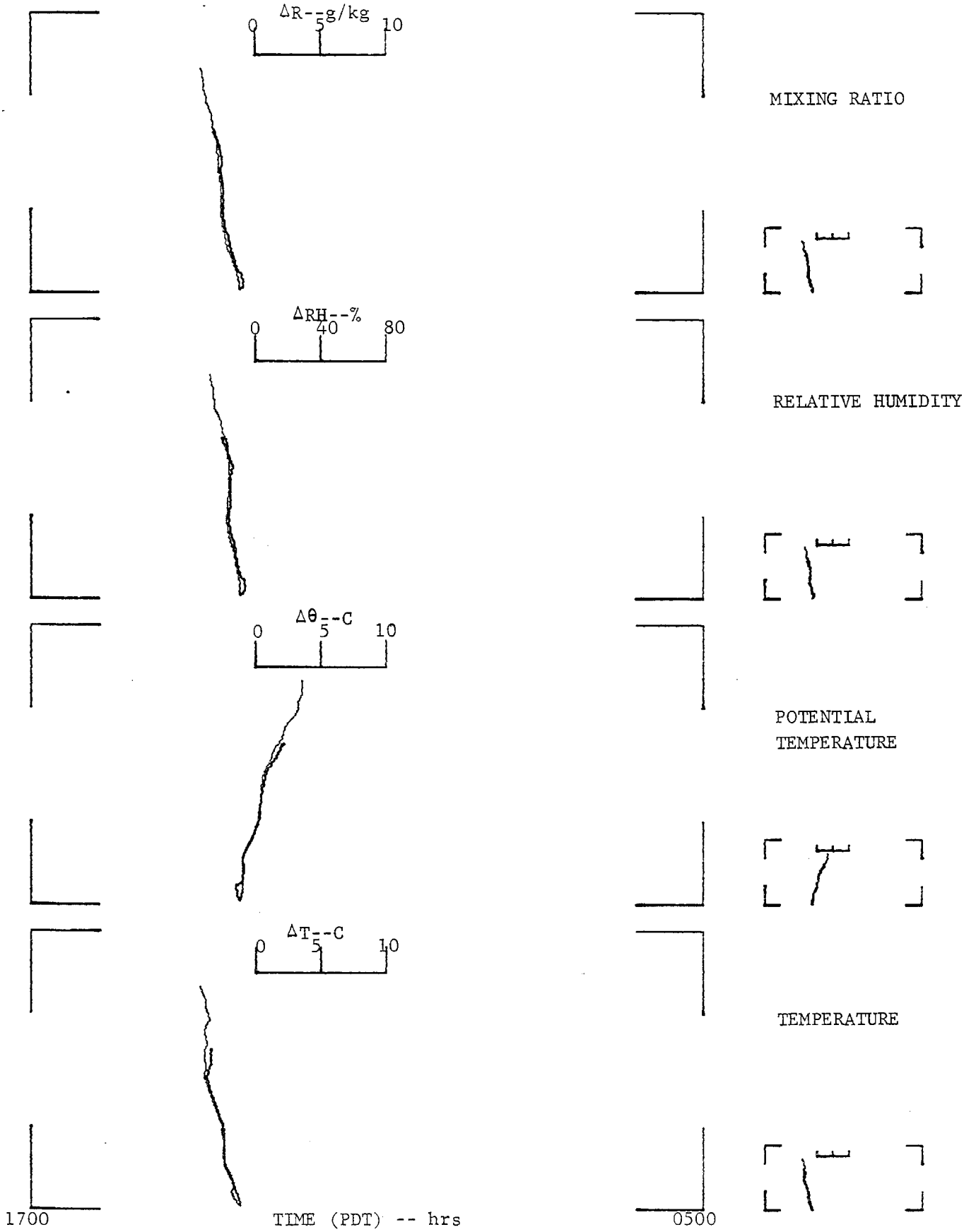


SITE 11. EL CERRITO
25 OCT 1976
1700-0500 PDT



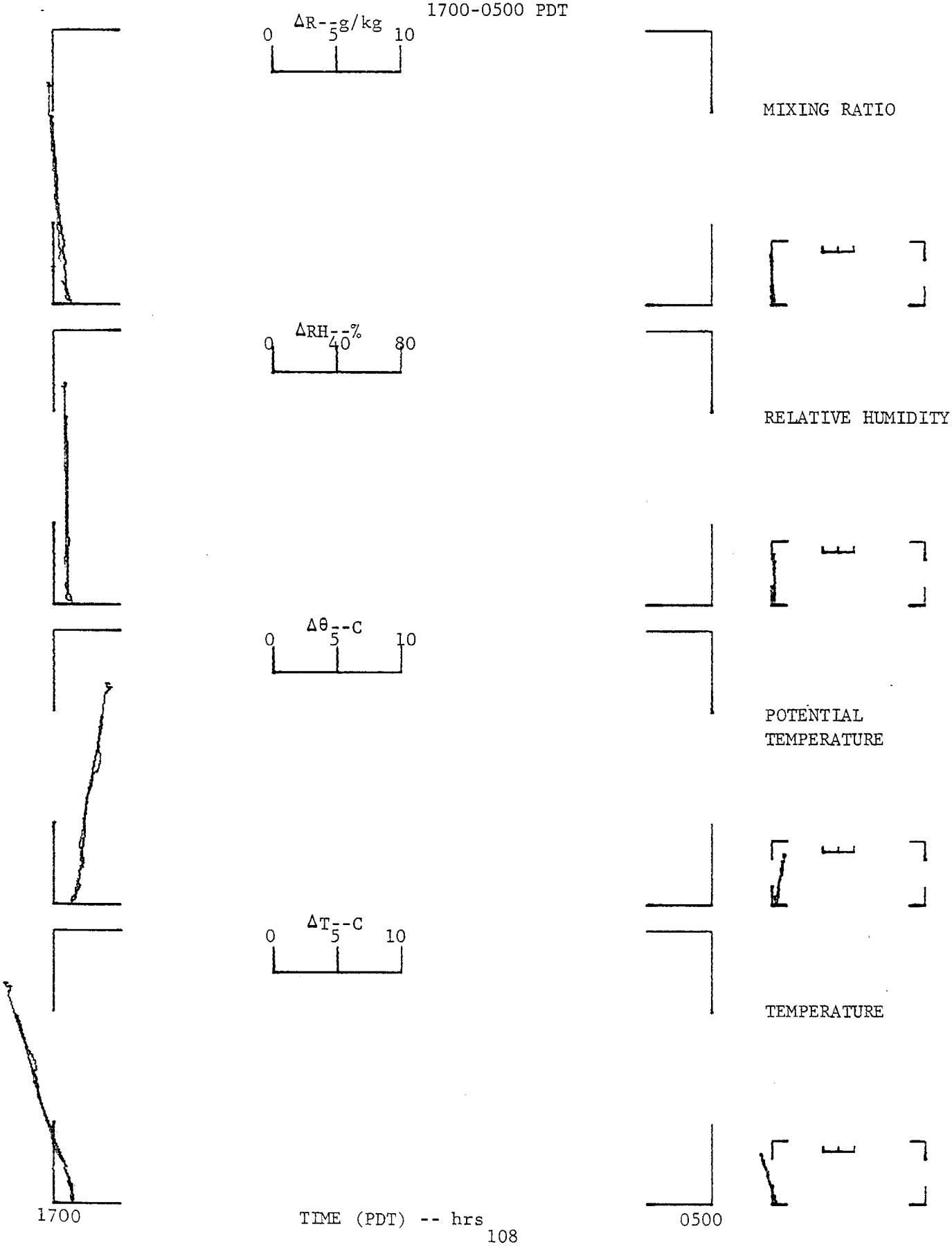
SITE 13. SAN LORENZO
25 OCT 1976
1700-0500 PDT



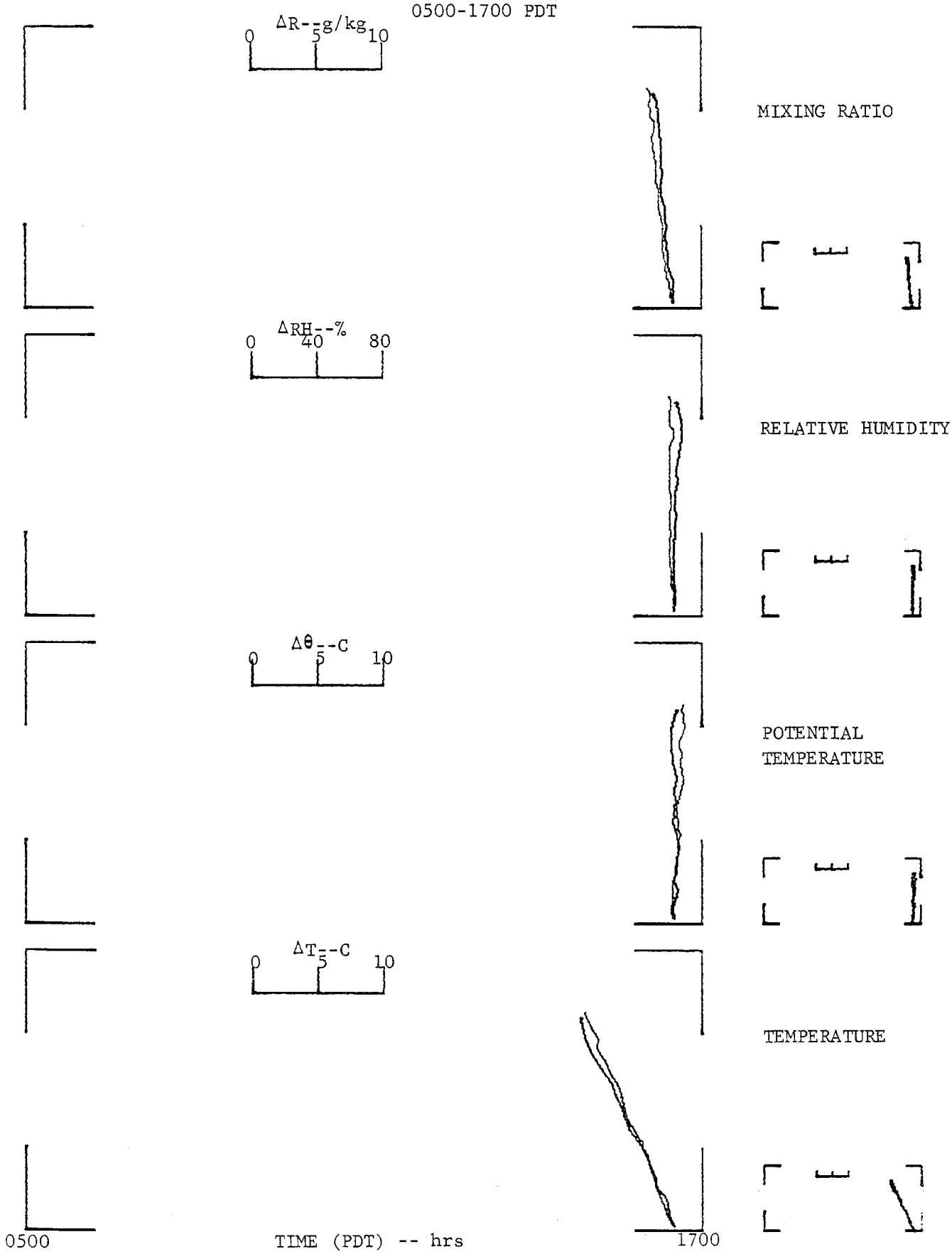
SITE 14. SAN PABLO BAY

25 OCT 1976

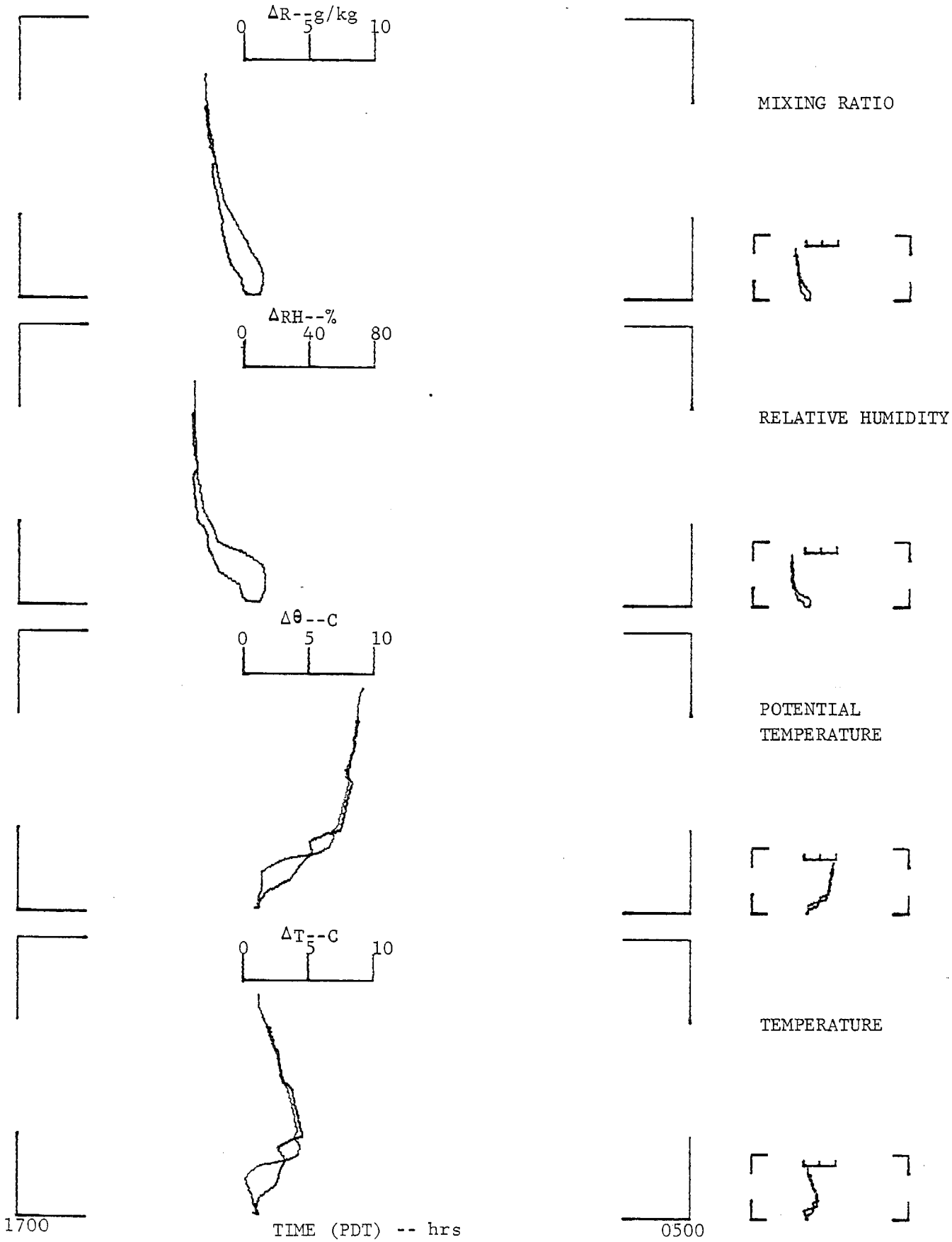
1700-0500 PDT



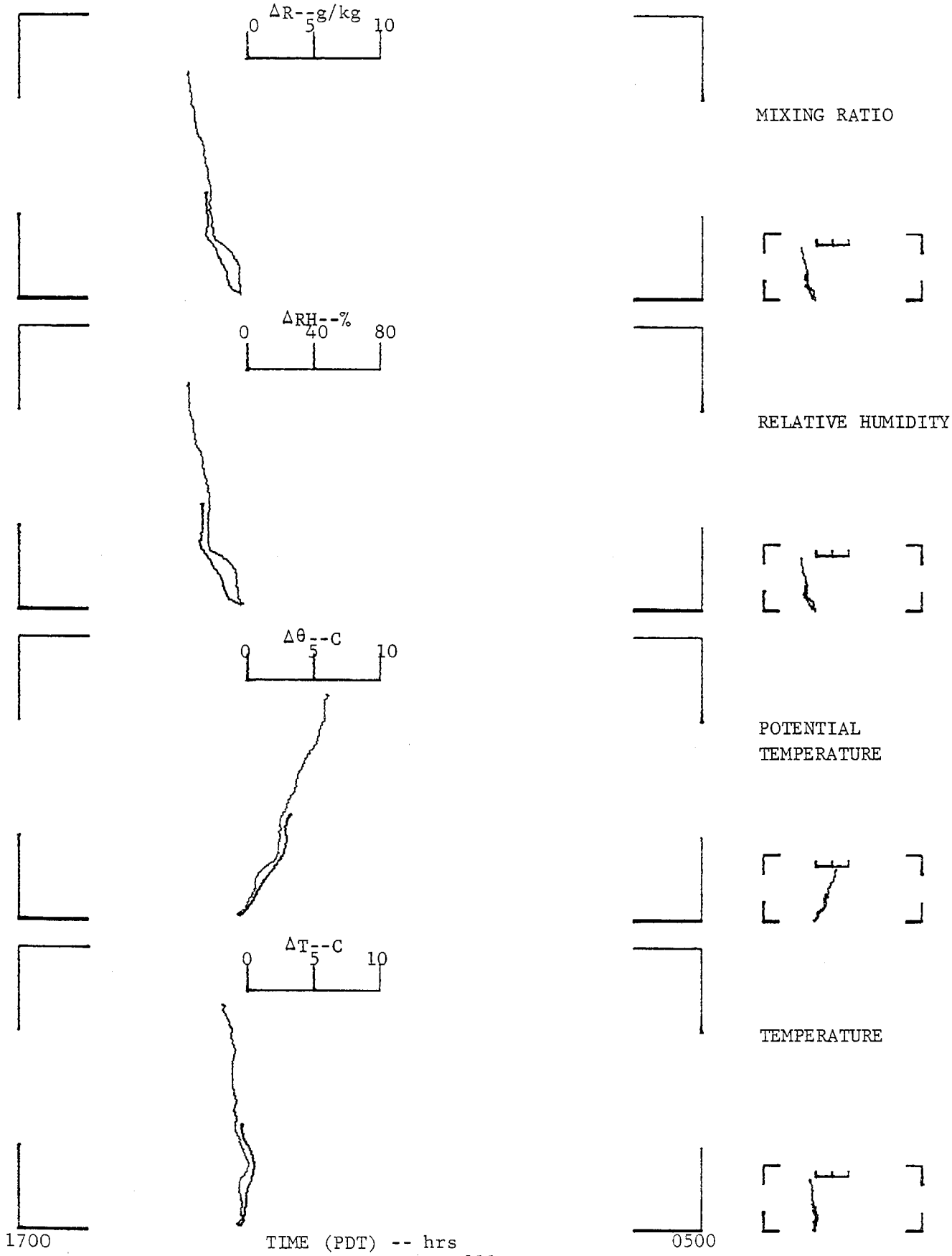
SITE 15. COLLINSVILLE
25 OCT 1976
0500-1700 PDT



SITE 17. OCEAN
25 OCT 1976
1700-0500 PDT



SITE 19. SAN FRANCISCO BAY
25 OCT 1976
1700-0500 PDT



SITE 2. MARTINEZ UTMX= 579.
5 OCT 1976 UTMY=4208.
9 8- 912 PDT SODAR HT.= 6. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
28	9:12:50	20.	19.5	1011.	18.6	52.	7.3
27	9:12:40	90.	19.3	1002.	19.1	45.	6.3
26	9:12:30	142.	20.2	996.	20.5	32.	4.8
25	9:12:20	167.	20.7	993.	21.3	30.	4.6
24	9:12:10	190.	21.1	991.	21.9	29.	4.6
23	9:12: 0	221.	21.5	987.	22.6	27.	4.4
22	9:11:50	258.	21.8	983.	23.3	24.	4.0
21	9:11:40	275.	22.2	981.	23.8	24.	4.1
20	9:11:30	322.	23.3	976.	25.4	23.	4.2
19	9:11:20	363.	23.4	971.	25.9	22.	4.1
18	9:11:10	413.	22.9	965.	25.9	21.	3.8
17	9:11: 0	450.	22.7	961.	26.1	21.	3.8
16	9:10:50	510.	22.4	955.	26.3	22.	3.9
15	9:10:40	572.	22.0	948.	26.6	21.	3.7
14	9:10:30	638.	21.7	941.	26.9	20.	3.5
13	9:10:20	693.	22.0	935.	27.8	20.	3.5
12	9:10:10	752.	21.7	928.	28.0	19.	3.3
11	9:10: 0	792.	21.5	924.	28.2	19.	3.3
10	9: 9:50	847.	21.1	918.	28.4	19.	3.2
9	9: 9:40	923.	20.6	910.	28.6	18.	3.0
8	9: 9:30	981.	21.2	904.	29.8	18.	3.1

SITE 3. ANTIOCH UTMX= 608.
5 OCT 1976 UTMY=4207.
827- 834 PDT SODAR HT.= 15. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
21	8:31: 0	108.	19.3	1000.	19.3	35.	4.9
22	8:31:10	127.	19.5	998.	19.7	35.	5.0
23	8:31:20	149.	19.7	995.	20.1	33.	4.8
24	8:31:30	177.	19.6	992.	20.3	31.	4.5
25	8:31:40	211.	19.4	988.	20.4	31.	4.4
26	8:31:50	242.	19.6	985.	20.9	30.	4.4
27	8:32: 0	268.	19.9	982.	21.5	30.	4.4
28	8:32:10	291.	20.4	979.	22.2	29.	4.4
29	8:32:20	316.	20.5	976.	22.5	29.	4.5
30	8:32:30	334.	20.3	974.	22.5	28.	4.3
31	8:32:40	355.	20.3	972.	22.7	28.	4.3
32	8:32:50	380.	20.4	969.	23.1	29.	4.5
33	8:33: 0	407.	20.7	966.	23.6	28.	4.4
34	8:33:10	435.	20.7	963.	23.9	27.	4.3
35	8:33:20	463.	20.8	960.	24.3	26.	4.2
36	8:33:30	491.	21.0	957.	24.8	25.	4.1
37	8:33:40	511.	21.1	954.	25.1	25.	4.1
38	8:33:50	539.	20.9	951.	25.1	24.	3.9
39	8:34: 0	554.	20.7	950.	25.1	24.	3.9
40	8:34:10	576.	20.6	947.	25.2	23.	3.7
41	8:34:20	604.	20.4	944.	25.3	23.	3.7
42	8:34:30	629.	20.2	941.	25.3	24.	3.8
43	8:34:40	655.	20.2	938.	25.6	25.	3.9
44	8:34:50	679.	20.4	936.	26.0	24.	3.8
15	8:29:50	204.	20.4	989.	21.3	31.	4.7
14	8:29:40	229.	20.4	986.	21.6	28.	4.3
13	8:29:30	278.	20.6	981.	22.3	26.	4.0
12	8:29:20	330.	21.0	975.	23.2	26.	4.2
11	8:29:10	365.	20.9	971.	23.4	26.	4.1
10	8:29: 0	414.	21.2	965.	24.2	26.	4.2
9	8:28:50	472.	21.2	959.	24.8	25.	4.1
8	8:28:40	513.	21.1	954.	25.1	24.	3.9
7	8:28:30	566.	20.8	948.	25.3	24.	3.9
6	8:28:20	630.	20.1	941.	25.2	23.	3.6
5	8:28:10	685.	20.4	935.	26.1	24.	3.8
4	8:28: 0	731.	20.5	930.	26.6	22.	3.6
3	8:27:50	760.	20.7	927.	27.1	22.	3.6
2	8:27:40	783.	20.6	924.	27.3	21.	3.4
1	8:27:30	796.	20.6	923.	27.4	21.	3.5

SITE 4. LIVERMORE UTMX= 616.
5 OCT 1976 UTMY=4173.
845- 848 PDT SODAR HT.=186. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
25	8:48:50	199.	20.6	990.	21.5	34.	5.2
24	8:48:40	261.	20.9	982.	22.4	30.	4.7
23	8:48:30	289.	21.4	979.	23.2	26.	4.2
22	8:48:20	296.	21.9	978.	23.7	24.	4.0
21	8:48:10	312.	22.4	977.	24.4	24.	4.2
20	8:48: 0	351.	22.8	972.	25.2	24.	4.3
19	8:47:50	393.	22.8	968.	25.6	24.	4.3
18	8:47:40	421.	22.5	964.	25.6	23.	4.1
17	8:47:30	457.	22.2	960.	25.6	24.	4.2
16	8:47:20	487.	22.0	957.	25.7	24.	4.2
15	8:47:10	525.	22.2	953.	26.3	25.	4.4
14	8:47: 0	575.	21.6	947.	26.2	25.	4.3
13	8:46:50	634.	21.5	941.	26.7	22.	3.8
12	8:46:40	699.	21.0	934.	26.8	20.	3.3
11	8:46:30	775.	20.6	925.	27.2	20.	3.3
10	8:46:20	827.	20.4	920.	27.5	21.	3.4
9	8:46:10	878.	20.5	914.	28.1	22.	3.6
8	8:46: 0	936.	20.7	908.	28.9	22.	3.7
7	8:45:50	992.	20.4	902.	29.1	20.	3.3
1	8:45: 0	923.	20.8	910.	28.9	19.	3.2

SITE 4. LIVERMORE UTMX= 616.
7 OCT 1946 UTMY=4173.
1949-20 3 PDT SODAR HT.=186. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
45	19:56:20	207.	22.7	989.	23.6	48.	8.4
44	19:56:10	238.	23.3	985.	24.6	48.	8.8
43	19:56: 0	238.	23.2	985.	24.5	47.	8.6
42	19:55:50	246.	23.0	984.	24.3	47.	8.5
41	19:55:40	250.	23.2	984.	24.6	47.	8.6
40	19:55:30	264.	23.2	982.	24.7	46.	8.4
39	19:55:20	268.	23.2	982.	24.7	45.	8.2
38	19:55:10	273.	23.4	981.	25.0	45.	8.3
37	19:55: 0	281.	23.4	980.	25.1	44.	8.1
36	19:54:50	288.	23.4	980.	25.1	44.	8.1
35	19:54:40	307.	23.9	978.	25.8	42.	8.0
34	19:54:30	322.	24.0	976.	26.1	41.	7.9
33	19:54:20	335.	23.9	974.	26.1	41.	7.9
32	19:54:10	351.	24.0	973.	26.4	40.	7.7
31	19:54: 0	370.	24.4	970.	27.0	40.	7.9
30	19:53:50	381.	24.5	969.	27.2	39.	7.8
29	19:53:40	387.	24.7	969.	27.4	39.	7.9
28	19:53:30	400.	24.8	967.	27.7	39.	8.0
27	19:53:20	427.	24.9	964.	28.0	39.	8.0
26	19:53:10	456.	25.0	961.	28.4	40.	8.3
25	19:53: 0	468.	25.2	960.	28.7	40.	8.4
24	19:52:50	501.	25.0	956.	28.9	39.	8.1
23	19:52:40	522.	24.9	954.	29.0	39.	8.1
22	19:52:30	534.	24.8	952.	29.0	39.	8.1
21	19:52:20	566.	24.5	949.	29.0	38.	7.8
20	19:52:10	588.	24.8	946.	29.5	37.	7.7
19	19:52: 0	596.	25.4	946.	30.2	37.	8.0
18	19:51:50	613.	25.3	944.	30.3	37.	8.0
17	19:51:40	651.	25.2	940.	30.6	37.	8.0
16	19:51:30	680.	25.2	937.	30.8	36.	7.8
15	19:51:20	704.	25.2	934.	31.1	36.	7.8
14	19:51:10	737.	25.0	930.	31.2	35.	7.5
13	19:51: 0	766.	25.2	927.	31.7	35.	7.6
12	19:50:50	781.	25.5	926.	32.2	34.	7.5
11	19:50:40	793.	25.8	924.	32.6	32.	7.2
10	19:50:30	835.	25.6	920.	32.8	31.	7.0
9	19:50:20	886.	25.2	915.	32.9	30.	6.6
8	19:50:10	916.	24.9	912.	32.9	30.	6.5
7	19:50: 0	934.	24.7	910.	32.9	31.	6.7
6	19:49:50	946.	24.7	908.	33.0	31.	6.7
5	19:49:40	952.	24.8	908.	33.2	31.	6.7
4	19:49:30	978.	24.5	905.	33.1	32.	6.8
1	19:49: 0	432.	25.8	962.	29.2	35.	7.6

SITE 4. LIVERMORE UTMX= 616.
7 OCT 1946 UTMY=4173.
1949-20 3 PDT SODAR HT.=186. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
46	19:56:30	175.	22.6	993.	23.2	48.	8.4
47	19:56:40	191.	22.8	991.	23.6	48.	8.5
48	19:56:50	226.	23.3	987.	24.4	49.	9.0
49	19:57: 0	263.	23.5	982.	25.0	48.	8.9
50	19:57:10	288.	23.5	980.	25.2	48.	9.0
51	19:57:20	310.	23.4	977.	25.4	47.	8.7
52	19:57:30	335.	23.4	974.	25.6	47.	8.8
53	19:57:40	363.	23.6	971.	26.1	47.	8.9
54	19:57:50	394.	24.0	968.	26.8	46.	8.9
55	19:58: 0	420.	24.2	965.	27.3	45.	8.9
56	19:58:10	442.	24.5	962.	27.8	45.	9.1
57	19:58:20	464.	24.7	960.	28.2	45.	9.2
58	19:58:30	484.	24.7	958.	28.4	44.	9.0
59	19:58:40	519.	24.5	954.	28.5	43.	8.7
60	19:58:50	535.	24.4	952.	28.6	43.	8.7
61	19:59: 0	559.	24.6	950.	29.0	41.	8.4
62	19:59:10	580.	24.9	947.	29.5	40.	8.4
63	19:59:20	608.	25.0	944.	29.9	41.	8.7
64	19:59:30	644.	24.9	940.	30.2	40.	8.4
65	19:59:40	677.	24.8	937.	30.4	39.	8.2
66	19:59:50	699.	25.0	934.	30.8	39.	8.3
67	20: 0: 0	728.	24.9	931.	31.0	39.	8.3
68	20: 0:10	749.	24.8	929.	31.1	38.	8.1
69	20: 0:20	774.	24.9	926.	31.5	38.	8.1
70	20: 0:30	806.	25.2	923.	32.1	35.	7.7
71	20: 0:40	858.	25.1	918.	32.5	32.	7.0
72	20: 0:50	893.	25.0	914.	32.8	31.	6.8
73	20: 1: 0	926.	24.9	910.	33.0	32.	7.0
74	20: 1:10	951.	24.5	908.	32.8	32.	6.8
75	20: 1:20	970.	24.3	906.	32.8	33.	7.0
76	20: 1:30	996.	24.1	903.	32.9	33.	6.9

SITE 4. LIVERMORE UTMX= 616.
7 OCT 1946 UTMY=4173.
2141-2156 PDT SODAR HT.=186. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
20	21:44:50	577.	25.4	947.	30.1	40.	8.6
19	21:44:40	592.	25.5	946.	30.3	40.	8.7
18	21:44:30	621.	25.9	942.	31.0	40.	8.9
17	21:44:20	649.	26.5	939.	31.9	39.	9.1
16	21:44:10	661.	26.7	938.	32.2	37.	8.7
15	21:44: 0	675.	26.7	937.	32.4	36.	8.5
14	21:43:50	696.	26.7	934.	32.6	35.	8.3
13	21:43:40	727.	26.6	931.	32.8	35.	8.2
12	21:43:30	732.	26.6	931.	32.8	35.	8.3
11	21:43:20	731.	26.6	931.	32.8	35.	8.3
10	21:43:10	744.	27.0	929.	33.3	34.	8.2
9	21:43: 0	758.	26.8	928.	33.3	35.	8.4
8	21:42:50	778.	26.5	926.	33.2	36.	8.5
7	21:42:40	792.	26.5	924.	33.3	37.	8.7
6	21:42:30	802.	26.5	923.	33.4	37.	8.8
5	21:42:20	830.	26.2	920.	33.4	38.	8.9
4	21:42:10	853.	26.1	918.	33.5	39.	9.1
3	21:42: 0	896.	25.7	913.	33.5	42.	9.6
2	21:41:50	953.	25.2	907.	33.6	41.	9.1
1	21:41:40	984.	25.1	904.	33.8	38.	8.4

SITE 4. LIVERMORE UTMX= 616.
7 OCT 1946 UTMY=4173.
2141-2156 PDT SODAR HT.=186. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
49	21:49:40	189.	19.6	991.	20.4	64.	9.3
48	21:49:30	222.	20.0	987.	21.1	63.	9.4
47	21:49:20	233.	20.1	986.	21.3	63.	9.5
46	21:49:10	238.	20.1	985.	21.4	61.	9.2
45	21:49: 0	238.	20.2	985.	21.5	60.	9.1
44	21:48:50	246.	20.5	984.	21.8	58.	9.0
43	21:48:40	270.	21.0	981.	22.6	57.	9.1
42	21:48:30	285.	21.2	980.	22.9	55.	8.9
41	21:48:20	298.	21.3	978.	23.2	54.	8.8
40	21:48:10	304.	21.5	978.	23.4	53.	8.8
39	21:48: 0	327.	22.2	975.	24.3	52.	9.0
38	21:47:50	330.	22.5	975.	24.7	51.	9.0
37	21:47:40	348.	22.6	973.	25.0	51.	9.1
36	21:47:30	366.	22.6	971.	25.1	50.	8.9
35	21:47:20	388.	23.1	968.	25.9	49.	9.0
34	21:47:10	408.	23.4	966.	26.4	48.	9.0
33	21:47: 0	436.	23.9	963.	27.1	46.	8.9
32	21:46:50	439.	23.8	962.	27.1	45.	8.7
31	21:46:40	449.	23.8	961.	27.2	45.	8.7
30	21:46:30	457.	23.7	960.	27.1	45.	8.7
29	21:46:20	466.	23.9	959.	27.4	45.	8.8
28	21:46:10	473.	23.8	959.	27.4	45.	8.7
27	21:46: 0	485.	23.7	957.	27.4	45.	8.7
26	21:45:50	510.	23.6	955.	27.6	45.	8.7
25	21:45:40	524.	23.7	953.	27.8	44.	8.5
24	21:45:30	530.	23.6	952.	27.8	43.	8.3
23	21:45:20	536.	23.7	952.	27.9	42.	8.1
22	21:45:10	552.	24.4	950.	28.8	41.	8.3
21	21:45: 0	565.	25.4	949.	29.9	40.	8.6

SITE 4. LIVERMORE UTMX= 616.
7 OCT 1946 UTMY=4173.
2141-2156 PDT SODAR HT.=186. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
50	21:49:50	155.	19.8	995.	20.2	64.	9.4
51	21:50: 0	184.	19.7	991.	20.4	65.	9.5
52	21:50:10	218.	19.9	987.	21.0	66.	9.8
53	21:50:20	248.	20.1	984.	21.5	67.	10.1
54	21:50:30	270.	20.6	981.	22.2	66.	10.3
55	21:50:40	285.	20.6	980.	22.3	66.	10.3
56	21:50:50	311.	21.4	977.	23.4	64.	10.6
57	21:51: 0	316.	21.9	976.	23.9	63.	10.7
58	21:51:10	343.	22.0	973.	24.3	61.	10.5
59	21:51:20	366.	22.1	971.	24.6	60.	10.4
60	21:51:30	396.	22.5	967.	25.3	56.	10.0
61	21:51:40	425.	22.5	964.	25.6	54.	9.6
62	21:51:50	440.	23.2	962.	26.5	52.	9.7
63	21:52: 0	469.	23.3	959.	26.9	51.	9.6
64	21:52:10	484.	23.3	957.	27.0	50.	9.4
65	21:52:20	518.	23.4	954.	27.4	50.	9.5
66	21:52:30	538.	23.3	951.	27.5	49.	9.3
67	21:52:40	560.	24.1	949.	28.6	46.	9.2
68	21:52:50	575.	24.6	947.	29.2	48.	9.9
69	21:53: 0	607.	24.9	944.	29.9	47.	9.9
70	21:53:10	633.	25.6	941.	30.8	43.	9.5
71	21:53:20	662.	25.9	938.	31.4	41.	9.2
72	21:53:30	683.	26.0	936.	31.7	38.	8.6
73	21:53:40	731.	26.0	931.	32.2	36.	8.2
74	21:53:50	753.	26.2	928.	32.6	36.	8.3
75	21:54: 0	780.	26.0	925.	32.7	37.	8.5
76	21:54:10	792.	25.8	924.	32.6	38.	8.6
77	21:54:20	823.	25.2	921.	32.3	41.	9.0
78	21:54:30	846.	25.0	918.	32.3	43.	9.4
79	21:54:40	875.	24.9	915.	32.5	43.	9.3
80	21:54:50	896.	24.7	913.	32.5	43.	9.2
81	21:55: 0	928.	24.5	910.	32.6	43.	9.2
82	21:55:10	946.	24.6	908.	32.9	40.	8.6
83	21:55:20	966.	24.7	906.	33.2	37.	8.0
84	21:55:30	986.	24.4	904.	33.1	37.	7.9

SITE 4. LIVERMORE UTMX= 616.
7 OCT 1946 UTMY=4173.
2318-2333 PDT SODAR HT.=186. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
47	23:26:30	206.	20.7	989.	21.6	61.	9.5
46	23:26:20	236.	20.7	985.	21.9	59.	9.2
45	23:26:10	261.	21.1	983.	22.6	55.	8.8
44	23:26: 0	276.	21.5	981.	23.1	54.	8.9
43	23:25:50	286.	22.0	980.	23.7	53.	9.0
42	23:25:40	294.	22.1	979.	23.9	52.	8.9
41	23:25:30	305.	22.1	978.	24.0	52.	8.9
40	23:25:20	321.	22.0	976.	24.1	53.	9.1
39	23:25:10	347.	22.0	973.	24.3	53.	9.1
38	23:25: 0	369.	22.1	970.	24.7	53.	9.2
37	23:24:50	372.	22.5	970.	25.1	52.	9.2
36	23:24:40	381.	22.7	969.	25.4	51.	9.2
35	23:24:30	390.	22.8	968.	25.6	49.	8.9
34	23:24:20	411.	22.6	966.	25.6	48.	8.6
33	23:24:10	445.	22.9	962.	26.2	49.	9.0
32	23:24: 0	465.	23.4	960.	26.9	48.	9.1
31	23:23:50	459.	23.4	960.	26.9	48.	9.1
30	23:23:40	463.	23.4	960.	26.9	47.	8.9
29	23:23:30	468.	23.5	959.	27.0	47.	9.0
28	23:23:20	496.	23.6	956.	27.4	47.	9.0
27	23:23:10	527.	23.6	953.	27.7	47.	9.1
26	23:23: 0	521.	23.8	953.	27.9	46.	9.0
25	23:22:50	526.	24.1	953.	28.2	46.	9.1
24	23:22:40	539.	24.3	951.	28.6	46.	9.3
23	23:22:30	577.	24.6	947.	29.2	44.	9.1
22	23:22:20	584.	24.8	947.	29.5	43.	9.0
21	23:22:10	600.	25.1	945.	30.0	43.	9.2
20	23:22: 0	610.	25.4	944.	30.4	43.	9.3
19	23:21:50	645.	25.4	940.	30.7	43.	9.4
18	23:21:40	655.	25.4	939.	30.8	44.	9.6
17	23:21:30	690.	25.3	935.	31.1	43.	9.4
16	23:21:20	724.	25.7	931.	31.8	41.	9.2
15	23:21:10	745.	25.9	929.	32.2	40.	9.1
14	23:21: 0	774.	25.9	926.	32.5	38.	8.6
13	23:20:50	810.	25.9	922.	32.9	38.	8.7
12	23:20:40	850.	25.6	918.	33.0	37.	8.3
11	23:20:30	876.	25.1	915.	32.7	42.	9.2
10	23:20:20	915.	24.8	911.	32.8	48.	10.4
9	23:20:10	917.	24.9	911.	32.9	47.	10.3
7	23: 9:50	950.	25.3	908.	33.7	40.	9.0
6	23:19:40	962.	25.3	906.	33.8	39.	8.8
5	23:19:30	963.	25.4	906.	33.9	39.	8.8
4	23:19:20	984.	25.2	904.	33.9	39.	8.7

SITE 4. LIVERMORE UTMX= 616.
7 OCT 1946 UTMY=4173.
2318-2333 PDT SODAR HT.=186. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
48	23:26:40	165.	20.5	994.	21.0	62.	9.5
49	23:26:50	184.	20.4	991.	21.1	64.	9.8
50	23:27: 0	225.	20.7	987.	21.8	63.	9.8
51	23:27:10	253.	21.2	983.	22.6	61.	9.9
52	23:27:20	276.	21.3	981.	22.9	59.	9.6
53	23:27:30	285.	21.3	980.	23.0	59.	9.6
54	23:27:40	309.	21.6	977.	23.6	58.	9.7
55	23:27:50	346.	21.6	973.	23.9	58.	9.7
56	23:28: 0	383.	21.8	969.	24.5	59.	10.1
57	23:28:10	397.	22.1	967.	24.9	58.	10.1
58	23:28:20	418.	22.0	965.	25.0	57.	9.9
59	23:28:30	439.	22.3	962.	25.6	54.	9.5
60	23:28:40	460.	22.9	960.	26.4	55.	10.1
61	23:28:50	481.	23.3	958.	27.0	54.	10.2
62	23:29: 0	510.	23.4	955.	27.4	53.	10.1
63	23:29:10	536.	23.6	952.	27.8	53.	10.3
64	23:29:20	556.	23.9	950.	28.3	51.	10.1
65	23:29:30	580.	24.5	947.	29.2	49.	10.1
66	23:29:40	602.	24.5	944.	29.4	48.	9.9
67	23:29:50	641.	24.8	940.	30.1	48.	10.1
68	23:30: 0	671.	24.8	937.	30.4	48.	10.1
69	23:30:10	693.	25.0	935.	30.8	45.	9.6
70	23:30:20	715.	25.2	932.	31.2	44.	9.6
71	23:30:30	745.	25.4	929.	31.7	41.	9.0
72	23:30:40	773.	25.6	926.	32.2	39.	8.7
73	23:30:50	789.	25.7	924.	32.5	37.	8.3
74	23:31: 0	814.	25.6	922.	32.6	37.	8.3
75	23:31:10	848.	25.3	918.	32.7	41.	9.1
76	23:31:20	868.	25.0	916.	32.6	47.	10.3
77	23:31:30	880.	24.8	915.	32.5	46.	9.9
78	23:31:40	909.	25.1	912.	33.1	40.	8.8
79	23:31:50	943.	25.2	908.	33.5	38.	8.5
80	23:32: 0	948.	24.8	908.	33.2	39.	8.5
81	23:32:10	966.	24.8	906.	33.3	38.	8.3
82	23:32:20	987.	24.8	904.	33.5	38.	8.3

SITE 5. MORGAN HILL UTMX= 623.
7 OCT 1976 UTMY=4108.
2028-2037 PDT SODAR HT.= 98. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
31	20:33: 0	110.	20.8	1000.	20.8	71.	11.0
30	20:32:50	163.	20.4	994.	20.9	69.	10.5
29	20:32:40	217.	20.3	988.	21.3	66.	10.1
28	20:32:30	251.	20.3	984.	21.7	64.	9.8
27	20:32:20	273.	20.2	981.	21.8	62.	9.4
26	20:32:10	286.	20.4	980.	22.1	60.	9.3
25	20:32: 0	297.	20.5	979.	22.3	58.	9.0
24	20:31:50	302.	21.0	978.	22.9	56.	9.0
23	20:31:40	310.	21.0	977.	23.0	56.	9.0
22	20:31:30	309.	20.9	977.	22.8	53.	8.5
21	20:31:20	317.	21.1	976.	23.1	51.	8.2
20	20:31:10	344.	22.3	973.	24.6	46.	8.0
19	20:31: 0	372.	22.9	970.	25.5	44.	8.0
18	20:30:50	379.	22.8	969.	25.5	43.	7.8
17	20:30:40	391.	23.1	968.	25.9	43.	7.9
16	20:30:30	394.	22.7	968.	25.5	43.	7.7
15	20:30:20	397.	23.3	967.	26.1	42.	7.8
14	20:30:10	402.	23.3	967.	26.2	42.	7.8
13	20:30: 0	408.	23.5	966.	26.4	42.	7.9
12	20:29:50	438.	23.5	963.	26.7	42.	8.0
11	20:29:40	468.	23.3	959.	26.8	41.	7.7
10	20:29:30	484.	23.2	958.	26.9	40.	7.5
9	20:29:20	510.	23.2	955.	27.2	40.	7.5
8	20:29:10	531.	23.3	952.	27.5	41.	7.8
7	20:29: 0	542.	23.6	951.	27.9	41.	7.9
6	20:28:50	557.	24.1	950.	28.5	42.	8.4
5	20:28:40	566.	24.1	949.	28.6	41.	8.2
4	20:28:30	588.	23.9	946.	28.6	39.	7.7
3	20:28:20	635.	24.5	941.	29.7	38.	7.8
2	20:28:10	673.	25.6	937.	31.2	38.	8.4
1	20:28: 0	694.	26.1	935.	31.9	32.	7.3

SITE 5. MORGAN HILL UTMX= 623.
7 OCT 1976 UTMY=4108.
2028-2037 PDT SODAR HT.= 98. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
32	20:33:10	68.	21.1	1005.	20.7	71.	11.2
33	20:33:20	85.	20.8	1003.	20.5	71.	11.0
34	20:33:30	117.	20.4	999.	20.5	70.	10.6
35	20:33:40	142.	20.1	996.	20.4	70.	10.5
36	20:33:50	174.	19.8	993.	20.4	69.	10.1
37	20:34: 0	200.	19.6	990.	20.5	70.	10.2
38	20:34:10	237.	19.4	985.	20.6	70.	10.1
39	20:34:20	265.	19.9	982.	21.4	75.	11.2
40	20:34:30	285.	20.2	980.	21.9	75.	11.5
41	20:34:40	308.	20.4	977.	22.3	74.	11.5
42	20:34:50	326.	21.2	975.	23.3	71.	11.6
43	20:35: 0	344.	22.1	973.	24.4	60.	10.4
44	20:35:10	375.	22.5	970.	25.1	55.	9.8
45	20:35:20	402.	22.7	967.	25.6	53.	9.6
46	20:35:30	436.	22.7	963.	25.9	51.	9.2
47	20:35:40	461.	22.7	960.	26.2	50.	9.1
48	20:35:50	497.	22.6	956.	26.4	49.	8.9
49	20:36: 0	520.	22.5	954.	26.5	48.	8.7
50	20:36:10	543.	23.0	951.	27.3	51.	9.5
51	20:36:20	566.	23.7	948.	28.2	51.	10.0
52	20:36:30	594.	23.7	945.	28.5	50.	9.8
53	20:36:40	627.	23.8	942.	28.9	49.	9.7
54	20:36:50	660.	24.8	938.	30.3	46.	9.7
55	20:37: 0	689.	25.8	935.	31.6	36.	8.1
56	20:37:10	714.	26.1	932.	32.1	35.	8.0
57	20:37:20	735.	26.1	930.	32.3	36.	8.2
58	20:37:30	766.	25.8	927.	32.3	39.	8.8
59	20:37:40	788.	25.6	925.	32.4	40.	9.0
60	20:37:50	811.	25.4	922.	32.4	39.	8.7

SITE 5. MORGAN HILL UTMX= 623.
7 OCT 1976 UTMY=4108.
2218-2234 PDT SODAR HT.= 98. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
36	22:22:10	632.	27.2	941.	32.5	40.	9.7
35	22:22: 0	652.	27.1	939.	32.6	40.	9.6
34	22:21:50	671.	26.8	937.	32.4	41.	9.7
33	22:21:40	688.	26.6	935.	32.4	42.	9.9
32	22:21:30	697.	26.6	934.	32.5	42.	9.9
31	22:21:20	717.	26.4	932.	32.5	41.	9.6
30	22:21:10	727.	26.4	931.	32.6	41.	9.6
19	22:21: 0	748.	26.5	929.	32.9	41.	9.7
18	22:20:50	744.	26.5	929.	32.9	41.	9.6
17	22:20:40	777.	26.1	926.	32.8	41.	9.5
16	22:20:30	805.	25.9	923.	32.9	41.	9.4
15	22:20:20	809.	26.1	922.	33.1	40.	9.3
14	22:20:10	824.	26.4	921.	33.6	37.	8.7
13	22:20: 0	837.	26.4	919.	33.7	37.	8.7
12	22:19:50	840.	26.3	919.	33.6	36.	8.4
11	22:19:40	849.	26.4	918.	33.8	36.	8.5
10	22:19:30	869.	26.4	916.	34.0	36.	8.5
9	22:19:20	895.	26.5	913.	34.4	35.	8.4
8	22:19:10	933.	26.4	909.	34.6	33.	7.9
7	22:19: 0	943.	26.4	908.	34.7	33.	7.9
6	22:18:50	965.	26.2	906.	34.8	33.	7.8
5	22:18:40	982.	26.0	904.	34.7	32.	7.5
4	22:18:30	998.	25.8	903.	34.7	32.	7.4

SITE 5. MORGAN HILL UTMX= 623.
7 OCT 1976 UTMY=4108.
2218-2234 PDT SODAR HT.= 98. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
58	22:27:30	80.	18.8	1004.	18.5	83.	11.4
57	22:27:20	100.	18.8	1001.	18.7	83.	11.4
56	22:27:10	132.	18.8	997.	19.0	82.	11.3
55	22:27: 0	143.	18.7	996.	19.0	81.	11.1
54	22:26:50	170.	18.8	993.	19.4	81.	11.2
53	22:26:40	197.	18.6	990.	19.5	80.	11.0
52	22:26:30	207.	18.4	989.	19.3	82.	11.1
51	22:26:20	215.	18.6	988.	19.6	80.	11.0
50	22:26:10	248.	18.5	984.	19.9	78.	10.7
49	22:26: 0	267.	18.3	982.	19.8	74.	10.0
48	22:25:50	283.	18.9	980.	20.6	65.	9.1
47	22:25:40	293.	19.0	979.	20.8	64.	9.1
46	22:25:30	307.	19.1	977.	21.0	63.	9.0
45	22:25:20	316.	19.2	976.	21.2	62.	8.9
44	22:25:10	330.	20.0	975.	22.2	60.	9.1
43	22:25: 0	331.	19.8	974.	22.0	60.	9.0
42	22:24:50	340.	20.3	973.	22.6	58.	9.0
41	22:24:40	356.	20.4	972.	22.8	56.	8.7
40	22:24:30	361.	20.4	971.	22.9	55.	8.6
39	22:24:20	391.	20.6	968.	23.4	51.	8.1
38	22:24:10	438.	20.3	962.	23.5	49.	7.6
37	22:24: 0	440.	20.8	962.	24.1	47.	7.6
36	22:23:50	467.	22.1	959.	25.6	48.	8.4
35	22:23:40	487.	23.2	957.	27.0	45.	8.4
34	22:23:30	502.	24.0	955.	27.9	42.	8.3
33	22:23:20	546.	24.2	950.	28.6	41.	8.2
32	22:23:10	558.	24.8	949.	29.3	42.	8.7
31	22:23: 0	569.	25.1	948.	29.7	41.	8.7
30	22:22:50	573.	25.0	947.	29.6	41.	8.6
29	22:22:40	586.	26.0	946.	30.8	41.	9.2
28	22:22:30	584.	26.9	946.	31.7	40.	9.5
27	22:22:20	614.	27.0	943.	32.1	39.	9.3

SITE 5. MORGAN HILL UTMX= 623.
7 OCT 1976 UTMY=4108.
2218-2234 PDT SODAR HT.= 98. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
59	22:27:40	72.	18.8	1004.	18.4	84.	11.5
60	22:27:50	105.	18.7	1001.	18.7	83.	11.3
61	22:28: 0	134.	18.3	997.	18.5	83.	11.1
62	22:28:10	148.	18.0	996.	18.4	83.	10.9
63	22:28:20	180.	17.8	992.	18.5	83.	10.8
64	22:28:30	228.	17.7	986.	18.9	83.	10.8
65	22:28:40	233.	17.7	986.	18.9	85.	11.1
66	22:28:50	264.	17.9	982.	19.4	82.	10.8
67	22:29: 0	295.	18.2	978.	20.0	81.	11.0
68	22:29:10	305.	18.6	977.	20.5	79.	11.0
69	22:29:20	331.	18.7	974.	20.9	78.	10.9
70	22:29:30	356.	19.3	972.	21.7	76.	11.1
71	22:29:40	376.	19.5	969.	22.1	74.	11.0
72	22:29:50	398.	19.7	967.	22.5	72.	10.8
73	22:30: 0	425.	19.7	964.	22.8	70.	10.5
74	22:30:10	461.	19.9	960.	23.4	69.	10.6
75	22:30:20	463.	21.1	959.	24.6	70.	11.6
76	22:30:30	486.	21.7	957.	25.4	67.	11.5
77	22:30:40	511.	22.5	954.	26.5	61.	11.0
78	22:30:50	557.	23.5	949.	28.0	59.	11.4
79	22:31: 0	576.	24.5	947.	29.2	58.	11.9
80	22:31:10	580.	26.0	947.	30.7	43.	9.6
81	22:31:20	609.	26.2	943.	31.2	43.	9.8
82	22:31:30	638.	26.0	940.	31.3	40.	9.0
83	22:31:40	659.	26.0	938.	31.5	45.	10.2
84	22:31:50	695.	25.9	934.	31.8	46.	10.4
85	22:32: 0	718.	25.7	932.	31.8	46.	10.3
86	22:32:10	729.	25.5	931.	31.7	45.	10.0
87	22:32:20	751.	25.6	928.	32.0	44.	9.8
88	22:32:30	777.	25.7	925.	32.4	41.	9.2
89	22:32:40	796.	25.6	923.	32.5	40.	9.0
90	22:32:50	817.	25.6	921.	32.7	40.	9.0
91	22:33: 0	838.	25.4	919.	32.7	39.	8.7
92	22:33:10	859.	25.4	917.	32.9	39.	8.7
93	22:33:20	892.	25.4	913.	33.2	37.	8.3
94	22:33:30	913.	25.5	911.	33.5	36.	8.1
95	22:33:40	942.	25.6	908.	33.9	34.	7.7
96	22:33:50	957.	25.3	907.	33.8	35.	7.8
97	22:34: 0	976.	25.2	905.	33.9	34.	7.6
98	22:34:10	990.	25.2	903.	34.0	34.	7.6

SITE 7. MENLO PARK UTMX= 573.
7 OCT 1976 UTMY=4145.
2054-2116 PDT SODAR HT.= 18. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
32	20:59:50	333.	21.9	974.	24.1	50.	8.5
31	20:59:40	341.	21.9	973.	24.2	50.	8.5
30	20:59:30	362.	21.9	971.	24.4	49.	8.4
29	20:59:20	380.	21.9	969.	24.6	48.	8.2
28	20:59:10	414.	21.9	965.	24.9	48.	8.2
27	20:59: 0	423.	22.4	964.	25.5	49.	8.7
26	20:58:50	436.	23.0	963.	26.2	49.	9.0
25	20:58:40	467.	23.2	959.	26.7	50.	9.4
24	20:58:30	485.	23.2	957.	26.9	49.	9.2
23	20:58:20	534.	23.8	952.	28.0	44.	8.6
22	20:58:10	555.	24.1	950.	28.5	40.	8.0
21	20:58: 0	579.	24.2	947.	28.9	37.	7.4
20	20:57:50	600.	24.2	945.	29.1	37.	7.4
19	20:57:40	621.	24.2	942.	29.3	37.	7.5
18	20:57:30	649.	24.3	939.	29.7	39.	7.9
17	20:57:20	672.	24.5	937.	30.1	40.	8.3
16	20:57:10	692.	24.6	935.	30.4	40.	8.3
15	20:57: 0	708.	24.6	933.	30.6	40.	8.4
14	20:56:50	726.	24.8	931.	30.9	40.	8.5
13	20:56:40	771.	24.6	926.	31.2	40.	8.4
12	20:56:30	820.	24.4	921.	31.5	39.	8.2
11	20:56:20	845.	24.4	918.	31.7	39.	8.2
10	20:56:10	864.	24.5	916.	32.0	40.	8.5
9	20:56: 0	904.	24.5	912.	32.4	41.	8.7
8	20:55:50	932.	24.4	909.	32.6	38.	8.0
7	20:55:40	965.	24.3	906.	32.8	36.	7.6
6	20:55:30	979.	24.3	904.	33.0	34.	7.2
5	20:55:20	988.	24.3	903.	33.1	34.	7.2
1	20:54:40	993.	24.2	903.	33.0	34.	7.2

SITE 7. MENLO PARK UTMX= 573.
7 OCT 1976 UTMY=4145.
2054-2116 PDT SODAR HT.= 18. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
73	21:15: 0	1.	18.7	1013.	17.6	79.	10.6
80	21:16:10	5.	18.6	1012.	17.6	77.	10.3
69	21: 6: 0	3.	18.6	1013.	17.6	80.	10.7
68	21: 5:50	2.	18.5	1013.	17.4	80.	10.6
65	21: 5:20	3.	18.1	1013.	17.1	81.	10.5
64	21: 5:10	6.	18.0	1012.	17.0	81.	10.4
63	21: 5: 0	6.	18.0	1012.	17.0	81.	10.4
62	21: 4:50	6.	18.2	1012.	17.2	81.	10.6
61	21: 4:40	6.	18.1	1012.	17.1	81.	10.5
60	21: 4:30	8.	18.1	1012.	17.1	81.	10.5
59	21: 4:20	6.	18.2	1012.	17.2	82.	10.7
58	21: 4:10	5.	18.3	1012.	17.3	82.	10.8
57	21: 4: 0	9.	18.3	1012.	17.3	83.	10.9
56	21: 3:50	22.	18.1	1010.	17.2	83.	10.8
55	21: 3:40	43.	17.8	1008.	17.1	82.	10.5
54	21: 3:30	84.	17.7	1003.	17.4	80.	10.2
53	21: 3:20	129.	17.5	998.	17.7	79.	10.0
52	21: 3:10	129.	17.3	998.	17.5	76.	9.5
51	21: 3: 0	152.	17.2	995.	17.6	72.	9.0
50	21: 2:50	167.	17.3	993.	17.9	71.	8.9
49	21: 2:40	183.	17.6	991.	18.3	69.	8.8
48	21: 2:30	201.	18.7	989.	19.6	65.	8.9
47	21: 2:20	210.	19.0	988.	20.0	65.	9.1
46	21: 2:10	221.	19.2	987.	20.3	65.	9.2
45	21: 2: 0	234.	19.4	986.	20.6	64.	9.2
44	21: 1:50	238.	19.5	985.	20.8	64.	9.3
43	21: 1:40	232.	19.6	986.	20.8	63.	9.2
42	21: 1:30	227.	19.6	986.	20.8	63.	9.2
41	21: 1:20	236.	19.7	985.	20.9	62.	9.1
40	21: 1:10	231.	19.7	986.	20.9	61.	9.0
39	21: 1: 0	235.	19.8	985.	21.0	59.	8.7
38	21: 0:50	244.	19.8	984.	21.1	58.	8.6
37	21: 0:40	261.	20.3	982.	21.8	56.	8.6
36	21: 0:30	279.	20.8	980.	22.5	55.	8.7
35	21: 0:20	296.	21.0	978.	22.8	54.	8.7
34	21: 0:10	320.	20.9	976.	23.0	53.	8.5
33	21: 0: 0	328.	21.3	975.	23.5	52.	8.5

SITE 7. MENLO PARK UTMX= 573.
7 OCT 1976 UTMY=4145.
2250-23 7 PDT SODAR HT.= 18. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
30	22:55: 0	442.	23.4	962.	26.7	50.	9.4
29	22:54:50	449.	23.3	961.	26.7	49.	9.2
28	22:54:40	463.	23.5	960.	27.0	47.	8.9
27	22:54:30	480.	23.9	958.	27.6	45.	8.8
26	22:54:20	506.	24.5	955.	28.5	42.	8.5
25	22:54:10	525.	24.8	953.	28.9	41.	8.5
24	22:54: 0	554.	25.1	950.	29.5	43.	9.1
23	22:53:50	582.	25.1	947.	29.8	42.	8.9
22	22:53:40	611.	24.8	943.	29.8	45.	9.4
21	22:53:30	636.	24.8	941.	30.0	46.	9.7
20	22:53:20	664.	24.7	938.	30.2	46.	9.6
19	22:53:10	712.	24.8	933.	30.8	44.	9.3
18	22:53: 0	744.	25.1	929.	31.4	42.	9.1
17	22:52:50	778.	25.1	925.	31.8	42.	9.1
16	22:52:40	806.	24.9	923.	31.8	42.	9.0
15	22:52:30	838.	25.0	919.	32.3	40.	8.7
14	22:52:20	866.	25.1	916.	32.7	37.	8.1
13	22:52:10	888.	25.3	914.	33.1	35.	7.8
12	22:52: 0	920.	25.2	911.	33.3	34.	7.5
11	22:51:50	950.	24.8	907.	33.2	35.	7.6
10	22:51:40	971.	24.7	905.	33.3	35.	7.6
9	22:51:30	985.	24.5	904.	33.2	34.	7.3

SITE 7. MENLO PARK UTMX= 573.
7 OCT 1976 UTMY=4145.
2250-23 7 PDT SODAR HT.= 18. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
57	22:59:30	11.	18.7	1012.	17.7	87.	11.8
56	22:59:20	52.	18.4	1007.	17.8	88.	11.7
55	22:59:10	105.	18.0	1001.	18.0	88.	11.5
54	22:59: 0	140.	17.5	996.	17.8	87.	11.1
53	22:58:50	196.	17.4	990.	18.2	84.	10.7
52	22:58:40	227.	17.4	986.	18.5	81.	10.3
51	22:58:30	244.	17.5	984.	18.8	79.	10.1
50	22:58:20	240.	17.8	985.	19.1	75.	9.8
49	22:58:10	238.	17.9	985.	19.2	76.	10.0
48	22:58: 0	238.	18.0	985.	19.3	74.	9.8
47	22:57:50	236.	18.3	985.	19.5	72.	9.7
46	22:57:40	232.	18.2	986.	19.4	73.	9.8
45	22:57:30	233.	18.3	986.	19.5	72.	9.7
44	22:57:20	236.	18.4	985.	19.6	70.	9.5
43	22:57:10	238.	18.4	985.	19.7	68.	9.2
42	22:57: 0	240.	18.7	985.	20.0	64.	8.8
41	22:56:50	257.	18.8	983.	20.2	58.	8.1
40	22:56:40	283.	19.2	980.	20.9	58.	8.3
39	22:56:30	303.	19.7	978.	21.6	59.	8.7
38	22:56:20	311.	20.0	977.	22.0	56.	8.5
37	22:56:10	314.	20.2	976.	22.2	54.	8.3
36	22:56: 0	324.	20.5	975.	22.6	51.	7.9
35	22:55:50	351.	21.0	972.	23.4	50.	8.1
34	22:55:40	384.	21.8	968.	24.5	50.	8.5
33	22:55:30	390.	22.3	968.	25.1	50.	8.8
32	22:55:20	409.	22.9	966.	25.9	51.	9.3
31	22:55:10	428.	23.3	963.	26.5	52.	9.8

SITE 7. MENLO PARK UTMX= 573.
7 OCT 1976 UTMY=4145.
2250-23 7 PDT SODAR HT.= 18. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
58	22:59:40	6.	18.2	1012.	17.2	86.	11.2
59	22:59:50	7.	18.0	1012.	17.0	85.	11.0
60	23: 0: 0	23.	18.6	1010.	17.7	86.	11.6
61	23: 0:10	67.	18.3	1005.	17.9	86.	11.4
62	23: 0:20	108.	18.0	1000.	18.0	85.	11.1
63	23: 0:30	147.	17.5	996.	17.9	84.	10.7
64	23: 0:40	183.	17.2	991.	17.9	84.	10.5
65	23: 0:50	219.	16.9	987.	18.0	84.	10.4
66	23: 1: 0	256.	17.0	983.	18.4	83.	10.3
67	23: 1:10	288.	18.2	979.	20.0	82.	11.1
68	23: 1:20	319.	19.2	976.	21.3	78.	11.3
69	23: 1:30	354.	19.4	972.	21.8	77.	11.3
70	23: 1:40	387.	20.3	968.	23.0	74.	11.5
71	23: 1:50	415.	21.4	965.	24.4	74.	12.4
72	23: 2: 0	444.	22.3	962.	25.6	74.	13.2
73	23: 2:10	470.	23.0	959.	26.6	67.	12.5
74	23: 2:20	498.	23.3	956.	27.2	61.	11.6
75	23: 2:30	519.	23.4	953.	27.5	57.	10.9
76	23: 2:40	539.	23.4	951.	27.7	54.	10.3
77	23: 2:50	560.	23.6	949.	28.1	53.	10.3
78	23: 3: 0	592.	24.1	945.	28.9	51.	10.2
79	23: 3:10	621.	23.9	942.	29.0	53.	10.6
80	23: 3:20	652.	24.1	939.	29.5	53.	10.7
81	23: 3:30	681.	24.1	936.	29.8	51.	10.3
82	23: 3:40	718.	24.5	932.	30.6	49.	10.2
83	23: 3:50	741.	24.6	929.	30.9	48.	10.1
84	23: 4: 0	762.	24.6	927.	31.1	46.	9.7
85	23: 4:10	791.	24.4	924.	31.2	46.	9.6
86	23: 4:20	822.	24.3	921.	31.4	46.	9.6
87	23: 4:30	849.	24.1	918.	31.5	45.	9.3
88	23: 4:40	865.	24.6	916.	32.2	39.	8.3
89	23: 4:50	883.	25.0	914.	32.7	35.	7.6
90	23: 5: 0	914.	25.0	911.	33.1	35.	7.7
91	23: 5:10	944.	24.7	908.	33.1	35.	7.6
92	23: 5:20	960.	24.6	906.	33.1	35.	7.5
93	23: 5:30	981.	24.4	904.	33.1	35.	7.4
94	23: 5:40	997.	24.3	902.	33.2	35.	7.4

SITE 4. LIVERMORE UTMX= 616.
18 OCT 1976 UTMY=4173.
1748-1758 PDT SODAR HT.=186. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
28	17:53: 0	172.	21.3	993.	21.9	46.	7.4
27	17:52:50	210.	20.7	988.	21.7	46.	7.1
26	17:52:40	238.	20.7	985.	22.0	46.	7.2
25	17:52:30	239.	20.9	985.	22.2	46.	7.3
24	17:52:20	239.	21.1	985.	22.4	46.	7.4
23	17:52:10	246.	21.0	984.	22.3	46.	7.3
22	17:52: 0	265.	20.9	982.	22.4	46.	7.3
21	17:51:50	279.	21.1	981.	22.8	45.	7.2
20	17:51:40	296.	20.9	979.	22.7	47.	7.5
19	17:51:30	315.	20.8	976.	22.8	47.	7.4
18	17:51:20	324.	20.7	975.	22.8	48.	7.6
17	17:51:10	342.	20.5	973.	22.8	47.	7.3
16	17:51: 0	365.	20.3	971.	22.8	47.	7.3
15	17:50:50	389.	20.1	968.	22.8	47.	7.2
14	17:50:40	396.	20.1	967.	22.9	48.	7.3
13	17:50:30	416.	19.9	965.	22.9	48.	7.3
12	17:50:20	444.	19.6	962.	22.9	46.	6.9
11	17:50:10	454.	19.7	961.	23.1	45.	6.8
10	17:50: 0	481.	19.4	958.	23.0	45.	6.7
9	17:49:50	509.	19.2	955.	23.1	45.	6.6
8	17:49:40	525.	19.3	953.	23.4	45.	6.6
7	17:49:30	567.	19.9	948.	24.4	41.	6.3
6	17:49:20	594.	20.2	945.	25.0	40.	6.3
5	17:49:10	613.	20.4	943.	25.4	38.	6.1
4	17:49: 0	633.	20.3	941.	25.5	34.	5.4
3	17:48:50	665.	20.2	937.	25.7	35.	5.5
2	17:48:40	699.	19.7	934.	25.5	36.	5.6
1	17:48:30	726.	19.2	931.	25.3	36.	5.4

SITE 4. LIVERMORE UTMX= 616.
18 OCT 1976 UTMY=4173.
1748-1758 PDT SODAR HT.=186. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
29	17:53:10	168.	21.6	993.	22.2	46.	7.5
30	17:53:20	188.	21.4	991.	22.2	46.	7.4
31	17:53:30	212.	21.2	988.	22.2	46.	7.4
32	17:53:40	234.	21.0	986.	22.2	46.	7.3
33	17:53:50	256.	20.8	983.	22.2	45.	7.1
34	17:54: 0	277.	20.9	981.	22.5	42.	6.7
35	17:54:10	293.	21.1	979.	22.9	40.	6.4
36	17:54:20	309.	21.2	977.	23.2	41.	6.6
37	17:54:30	325.	20.9	975.	23.0	42.	6.7
38	17:54:40	344.	20.7	973.	23.0	43.	6.8
39	17:54:50	360.	20.5	971.	22.9	44.	6.9
40	17:55: 0	388.	20.3	968.	23.0	44.	6.8
41	17:55:10	409.	20.1	966.	23.0	44.	6.7
42	17:50:20	419.	19.8	965.	22.8	44.	6.6
45	17:55:30	453.	19.4	961.	22.8	44.	6.5
46	17:55:40	480.	18.9	958.	22.5	45.	6.4
47	17:55:50	500.	18.6	956.	22.4	44.	6.2
48	17:56: 0	518.	18.9	954.	22.9	42.	6.0
49	17:56:10	542.	19.0	951.	23.2	40.	5.8
50	17:56:20	571.	19.4	948.	23.9	39.	5.8
51	17:56:30	599.	19.6	945.	24.4	41.	6.2
52	17:56:40	621.	19.5	942.	24.5	42.	6.3
53	17:56:50	646.	19.7	939.	25.0	42.	6.4
54	17:57: 0	677.	20.0	936.	25.6	37.	5.8
55	17:57:10	703.	19.9	933.	25.7	35.	5.5
56	17:57:20	720.	19.9	931.	25.9	33.	5.2
57	17:57:30	732.	20.0	930.	26.1	34.	5.4
58	17:57:40	765.	19.7	926.	26.2	35.	5.4
59	17:57:50	781.	19.5	925.	26.1	35.	5.4
60	17:58: 0	789.	19.5	924.	26.2	35.	5.4

SITE 4. LIVERMORE UTMX= 616.
18 OCT 1976 UTMY=4173.
1928-1940 PDT SODAR HT.=186. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
44	19:35:30	229.	17.6	986.	18.8	70.	9.0
43	19:35:20	276.	17.3	980.	18.9	68.	8.6
42	19:35:10	306.	17.6	977.	19.5	64.	8.3
41	19:35: 0	313.	17.9	976.	19.9	61.	8.1
40	19:34:50	315.	18.3	976.	20.3	59.	8.0
39	19:34:40	327.	18.3	975.	20.5	59.	8.0
38	19:34:30	341.	18.3	973.	20.6	58.	7.9
37	19:34:20	361.	18.3	971.	20.8	57.	7.8
36	19:34:10	376.	18.3	969.	20.9	57.	7.8
35	19:34: 0	388.	18.4	968.	21.2	56.	7.7
34	19:33:50	416.	18.5	964.	21.5	55.	7.6
33	19:33:40	439.	18.5	962.	21.8	53.	7.4
32	19:33:30	452.	18.9	960.	22.3	51.	7.3
31	19:33:20	469.	18.9	958.	22.5	51.	7.3
30	19:33:10	485.	18.6	957.	22.3	50.	7.0
29	19:33: 0	493.	18.6	956.	22.4	50.	7.1
28	19:32:50	517.	18.7	953.	22.7	50.	7.1
27	19:32:40	536.	18.9	951.	23.1	50.	7.2
26	19:32:30	547.	19.1	950.	23.4	50.	7.3
25	19:32:20	556.	19.2	949.	23.6	49.	7.2
24	19:32:10	570.	19.3	947.	23.9	43.	6.4
23	19:32: 0	572.	19.2	947.	23.8	42.	6.2
22	19:31:50	585.	19.0	945.	23.7	43.	6.3
21	19:31:40	600.	18.9	944.	23.8	43.	6.2
20	19:31:30	605.	19.1	943.	24.0	41.	6.0
19	19:31:20	617.	19.1	942.	24.1	39.	5.7
18	19:31:10	621.	19.1	942.	24.2	39.	5.7
17	19:31: 0	616.	19.3	942.	24.3	39.	5.8
16	19:30:50	635.	19.0	940.	24.2	38.	5.6
15	19:30:40	667.	18.9	936.	24.4	37.	5.4
14	19:30:30	682.	18.8	935.	24.5	37.	5.4
13	19:30:20	692.	19.1	934.	24.9	38.	5.6
12	19:30:10	712.	19.4	932.	25.4	37.	5.6
11	19:30: 0	735.	19.5	929.	25.7	36.	5.5
10	19:29:50	760.	19.7	926.	26.2	42.	6.5
9	19:29:40	770.	19.7	925.	26.3	41.	6.4
8	19:29:30	766.	19.5	926.	26.0	41.	6.3
7	19:29:20	798.	19.4	922.	26.2	42.	6.4
6	19:29:10	806.	19.6	921.	26.5	42.	6.5
5	19:29: 0	826.	19.5	919.	26.6	41.	6.4
1	19:28: 0	839.	19.3	918.	26.6	31.	4.7

SITE 4. LIVERMORE UTMX= 616.
18 OCT 1976 UTMY=4173.
1928-1940 PDT SODAR HT.=186. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
45	19:35:40	204.	17.8	989.	18.7	71.	9.2
46	19:35:50	232.	17.4	985.	18.6	72.	9.2
47	19:36: 0	252.	17.2	983.	18.6	72.	9.1
48	19:36:10	278.	17.2	980.	18.9	71.	9.0
49	19:36:20	297.	18.1	978.	20.0	66.	8.8
50	19:36:30	311.	18.2	976.	20.2	65.	8.8
51	19:36:40	332.	18.4	974.	20.6	62.	8.5
52	19:36:50	348.	18.4	972.	20.8	61.	8.4
53	19:37: 0	378.	18.3	969.	21.0	60.	8.2
54	19:37:10	403.	18.1	966.	21.0	60.	8.1
55	19:37:20	433.	18.0	962.	21.2	60.	8.1
56	19:37:30	459.	18.1	960.	21.6	59.	8.0
57	19:37:40	481.	18.2	957.	21.9	58.	8.0
58	19:37:50	515.	18.6	953.	22.6	57.	8.1
59	19:38: 0	555.	18.9	949.	23.3	54.	7.8
60	19:38:10	573.	18.9	947.	23.5	50.	7.3
61	19:38:20	589.	18.9	945.	23.7	47.	6.8
62	19:38:30	608.	18.7	943.	23.6	46.	6.6
63	19:38:40	642.	18.4	939.	23.7	43.	6.1
64	19:38:50	666.	18.1	937.	23.6	43.	6.0
65	19:39: 0	686.	18.3	934.	24.0	40.	5.7
66	19:39:10	706.	18.5	932.	24.4	38.	5.4
67	19:39:20	738.	18.3	929.	24.5	38.	5.4
68	19:39:30	756.	18.6	927.	25.0	38.	5.5
69	19:39:40	776.	18.8	924.	25.4	39.	5.7
70	19:39:50	807.	18.8	921.	25.7	44.	6.5
71	19:40: 0	809.	18.8	921.	25.8	46.	6.8
72	19:40:10	818.	18.6	920.	25.6	45.	6.6
73	19:40:20	826.	18.9	919.	26.0	44.	6.6
74	19:40:30	853.	18.7	916.	26.1	45.	6.7
75	19:40:40	854.	18.8	916.	26.2	44.	6.6
76	19:40:50	831.	19.2	919.	26.4	40.	6.1

SITE 4. LIVERMORE UTMX= 616.
18 OCT 1976 UTMY=4173.
2114-2125 PDT SODAR HT.=186. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
37	21:20: 0	215.	15.1	987.	16.2	86.	9.4
36	21:19:50	253.	15.2	983.	16.6	85.	9.4
35	21:19:40	281.	15.2	980.	16.9	84.	9.4
34	21:19:30	293.	15.2	978.	17.0	83.	9.3
33	21:19:20	306.	15.4	977.	17.4	82.	9.3
32	21:19:10	315.	15.5	976.	17.5	82.	9.3
31	21:19: 0	334.	15.7	973.	17.9	81.	9.4
30	21:18:50	354.	15.7	971.	18.1	79.	9.2
29	21:18:40	361.	15.8	970.	18.3	78.	9.1
28	21:18:30	360.	15.7	970.	18.2	78.	9.0
27	21:18:20	366.	15.8	970.	18.4	76.	8.9
26	21:18:10	382.	16.0	968.	18.7	74.	8.8
25	21:18: 0	391.	16.3	967.	19.1	72.	8.7
24	21:17:50	395.	16.4	966.	19.2	71.	8.6
23	21:17:40	398.	16.4	966.	19.3	70.	8.5
22	21:17:30	403.	16.4	965.	19.3	69.	8.4
21	21:17:20	420.	16.5	964.	19.6	67.	8.2
20	21:17:10	436.	16.5	962.	19.7	65.	8.0
19	21:17: 0	446.	16.7	961.	20.0	63.	7.9
18	21:16:50	451.	17.0	960.	20.4	61.	7.8
17	21:16:40	457.	17.0	959.	20.5	59.	7.5
16	21:16:30	472.	17.3	958.	20.9	57.	7.4
15	21:16:20	494.	18.1	955.	21.9	53.	7.3
14	21:16:10	524.	19.4	952.	23.6	45.	6.7
13	21:16: 0	541.	19.5	950.	23.8	43.	6.4
12	21:15:50	546.	19.7	949.	24.1	40.	6.1
11	21:15:40	562.	19.6	948.	24.1	40.	6.0
10	21:15:30	583.	19.6	945.	24.3	39.	5.9
9	21:15:20	607.	19.7	943.	24.7	36.	5.5
8	21:15:10	624.	20.4	941.	25.6	33.	5.3
7	21:15: 0	653.	20.5	938.	26.0	33.	5.3
6	21:14:50	672.	20.6	936.	26.2	32.	5.2
5	21:14:40	696.	20.4	933.	26.3	32.	5.2
4	21:14:30	715.	20.4	931.	26.5	32.	5.2
3	21:14:20	737.	20.3	928.	26.6	32.	5.1
2	21:14:10	769.	20.2	925.	26.8	34.	5.5
1	21:14: 0	808.	19.6	921.	26.6	33.	5.1

SITE 4. LIVERMORE UTMX= 616.
18 OCT 1976 UTMY=4173.
2114-2125 PDT SODAR HT.=186. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
38	21:20:10	200.	15.1	989.	16.0	87.	9.5
39	21:20:20	225.	15.2	986.	16.4	87.	9.6
40	21:20:30	252.	15.8	983.	17.2	87.	10.0
41	21:20:40	276.	15.8	980.	17.5	87.	10.1
42	21:20:50	292.	15.7	978.	17.5	86.	9.9
43	21:21: 0	314.	15.6	976.	17.6	86.	9.9
44	21:21:10	328.	15.7	974.	17.9	86.	10.0
45	21:21:20	352.	15.7	971.	18.1	85.	9.9
46	21:21:30	376.	15.6	969.	18.2	85.	9.8
47	21:21:40	390.	16.0	967.	18.8	83.	9.9
48	21:21:50	415.	16.3	964.	19.3	82.	10.0
49	21:22: 0	437.	16.3	962.	19.6	81.	9.9
50	21:22:10	459.	16.6	959.	20.1	79.	9.8
51	21:22:20	481.	16.7	957.	20.4	78.	9.8
52	21:22:30	498.	17.2	955.	21.1	73.	9.5
53	21:22:40	527.	18.2	951.	22.4	66.	9.1
54	21:22:50	551.	18.7	949.	23.1	58.	8.3
55	21:23: 0	572.	18.7	946.	23.3	54.	7.7
56	21:23:10	590.	18.8	944.	23.6	49.	7.1
57	21:23:20	610.	18.8	942.	23.8	45.	6.5
58	21:23:30	631.	19.1	940.	24.3	39.	5.8
59	21:23:40	650.	19.7	938.	25.1	35.	5.4
60	21:23:50	671.	20.1	936.	25.7	35.	5.5
61	21:24: 0	682.	20.1	934.	25.8	34.	5.4
62	21:24:10	701.	20.1	932.	26.0	33.	5.2
63	21:24:20	716.	20.2	931.	26.3	33.	5.3
64	21:24:30	742.	20.2	928.	26.5	33.	5.3
65	21:24:40	759.	20.1	926.	26.6	33.	5.3
66	21:24:50	770.	20.0	925.	26.6	33.	5.2
67	21:25: 0	795.	20.0	922.	26.9	34.	5.4
68	21:25:10	812.	19.9	920.	26.9	35.	5.5
69	21:25:20	826.	19.7	919.	26.9	36.	5.6
70	21:25:30	846.	19.6	917.	27.0	36.	5.6
71	21:25:40	862.	19.4	915.	26.9	36.	5.6
72	21:25:50	870.	19.4	914.	27.0	36.	5.6

SITE 4. LIVERMORE UTMX= 616.
18 OCT 1976 UTMY=4173.
2340-2349 PDT SODAR HT.=186. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
28	23:44:30	252.	15.0	983.	16.4	86.	9.4
27	23:44:20	300.	14.8	977.	16.7	85.	9.2
26	23:44:10	309.	14.8	976.	16.8	83.	9.0
25	23:44: 0	309.	14.9	976.	16.9	82.	9.0
24	23:43:50	311.	15.0	976.	17.0	80.	8.8
23	23:43:40	312.	15.0	976.	17.0	78.	8.6
22	23:43:30	323.	15.0	975.	17.1	75.	8.3
21	23:43:20	327.	15.1	974.	17.3	72.	8.0
20	23:43:10	336.	15.2	973.	17.5	69.	7.7
19	23:43: 0	345.	15.4	972.	17.7	65.	7.4
18	23:42:50	350.	15.8	972.	18.2	62.	7.2
17	23:42:40	377.	16.6	968.	19.3	57.	7.0
16	23:42:30	407.	17.1	965.	20.1	51.	6.5
15	23:42:20	442.	19.1	961.	22.4	41.	5.9
14	23:42:10	471.	19.9	958.	23.5	37.	5.6
13	23:42: 0	500.	20.4	955.	24.3	36.	5.7
10	23:41:30	592.	21.2	944.	26.1	31.	5.2
9	23:41:20	610.	21.3	942.	26.3	30.	5.1
8	23:41:10	633.	21.3	940.	26.6	31.	5.2
7	23:41: 0	666.	21.1	936.	26.7	33.	5.5
6	23:40:50	707.	20.8	932.	26.8	34.	5.6
5	23:40:40	732.	20.8	929.	27.0	33.	5.5
4	23:40:30	758.	20.7	926.	27.2	32.	5.3
3	23:40:20	775.	20.7	924.	27.4	32.	5.3
2	23:40:10	784.	20.8	923.	27.6	32.	5.3
1	23:40: 0	786.	20.1	923.	26.9	33.	5.3

SITE 4. LIVERMORE UTMX= 616.
18 OCT 1976 UTMY=4173.
2340-2349 PDT SODAR HT.=186. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
29	23:44:40	204.	15.2	989.	16.2	87.	9.6
30	23:44:50	204.	15.2	989.	16.2	87.	9.6
31	23:45: 0	233.	15.1	985.	16.3	87.	9.6
32	23:45:10	254.	15.1	983.	16.5	87.	9.6
33	23:45:20	277.	15.0	980.	16.7	87.	9.6
34	23:45:30	293.	14.9	978.	16.7	87.	9.5
35	23:45:40	303.	14.9	977.	16.8	87.	9.5
36	23:45:50	323.	14.8	975.	16.9	87.	9.5
37	23:46: 0	336.	14.8	973.	17.0	88.	9.6
38	23:46:10	347.	14.9	972.	17.3	88.	9.7
39	23:46:20	358.	15.0	971.	17.5	88.	9.8
40	23:46:30	389.	15.4	967.	18.2	89.	10.2
41	23:46:40	419.	16.1	964.	19.2	80.	9.6
42	23:46:50	439.	17.3	961.	20.6	63.	8.2
43	23:47: 0	468.	19.0	958.	22.6	53.	7.7
44	23:47:10	491.	19.2	955.	23.0	51.	7.5
45	23:47:20	514.	19.6	953.	23.7	45.	6.8
46	23:47:30	542.	20.1	950.	24.4	36.	5.6
47	23:47:40	566.	20.4	947.	25.0	35.	5.6
48	23:47:50	589.	20.6	945.	25.4	34.	5.5
49	23:48: 0	605.	20.8	943.	25.8	33.	5.4
50	23:48:10	630.	20.7	940.	25.9	34.	5.5
51	23:48:20	651.	20.7	938.	26.1	36.	5.9
52	23:48:30	669.	20.7	936.	26.3	36.	5.9
53	23:48:40	697.	20.7	933.	26.6	36.	5.9
54	23:48:50	724.	20.5	930.	26.7	36.	5.9
55	23:49: 0	751.	20.3	927.	26.7	35.	5.6
56	23:49:10	770.	20.3	925.	26.9	34.	5.5

SITE 5. MORGAN HILL UTMX= 623.
18 OCT 1976 UTMY=4108.
1818-1829 PDT SODAR HT.= 98. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
35	18:24:10	75.	18.6	1004.	18.3	67.	9.0
34	18:24: 0	81.	18.7	1003.	18.4	66.	8.9
33	18:23:50	106.	18.7	1000.	18.7	66.	9.0
32	18:23:40	139.	18.9	997.	19.2	65.	9.0
31	18:23:30	171.	19.1	993.	19.7	64.	9.0
30	18:23:20	206.	19.1	989.	20.0	63.	8.9
29	18:23:10	229.	19.3	986.	20.5	63.	9.0
28	18:23: 0	241.	19.3	985.	20.6	63.	9.0
27	18:22:50	241.	19.4	985.	20.7	62.	8.9
26	18:22:40	233.	19.5	986.	20.7	62.	9.0
25	18:22:30	234.	19.6	986.	20.8	62.	9.1
24	18:22:20	241.	19.8	985.	21.1	62.	9.2
23	18:22:10	251.	19.9	984.	21.3	62.	9.2
22	18:22: 0	264.	20.0	982.	21.5	62.	9.3
21	18:21:50	275.	20.2	981.	21.8	62.	9.4
20	18:21:40	282.	20.1	980.	21.8	63.	9.6
19	18:21:30	288.	20.2	979.	22.0	64.	9.8
18	18:21:20	298.	20.0	978.	21.8	64.	9.7
17	18:21:10	312.	20.0	977.	22.0	64.	9.7
16	18:21: 0	348.	19.8	973.	22.1	63.	9.4
15	18:20:50	375.	19.6	969.	22.2	64.	9.5
14	18:20:40	397.	19.3	967.	22.1	65.	9.5
13	18:20:30	431.	19.0	963.	22.2	64.	9.2
12	18:20:20	466.	18.7	959.	22.2	63.	8.9
11	18:20:10	518.	18.2	953.	22.2	65.	9.0
10	18:20: 0	566.	17.7	948.	22.2	65.	8.8
9	18:19:50	593.	17.8	945.	22.5	61.	8.3
8	18:19:40	627.	17.4	941.	22.5	62.	8.3
7	18:19:30	672.	17.4	936.	22.9	52.	6.9
6	18:19:20	701.	17.1	933.	22.9	55.	7.2
5	18:19:10	738.	16.7	929.	22.9	54.	7.0
4	18:19: 0	772.	16.7	925.	23.2	52.	6.7
3	18:18:50	799.	16.8	922.	23.6	47.	6.1
2	18:18:40	820.	16.5	920.	23.5	47.	6.0
1	18:18:40	832.	16.5	919.	23.6	47.	6.0

SITE 5. MORGAN HILL UTMX= 623.
18 OCT 1976 UTMY=4108.
1818-1829 PDT SODAR HT.= 98. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
36	18:24:20	74.	18.6	1004.	18.2	67.	9.0
37	18:24:30	88.	18.7	1003.	18.5	67.	9.1
38	18:24:40	112.	19.0	1000.	19.0	67.	9.3
39	18:24:50	134.	18.9	997.	19.1	67.	9.3
40	18:25: 0	153.	19.1	995.	19.5	67.	9.4
41	18:25:10	182.	18.9	992.	19.6	67.	9.3
42	18:25:20	223.	17.9	987.	19.0	66.	8.7
43	18:25:30	239.	18.0	985.	19.3	67.	8.9
44	18:25:40	260.	18.4	983.	19.9	67.	9.1
45	18:25:50	282.	18.5	980.	20.2	67.	9.2
46	18:26: 0	301.	18.5	978.	20.4	67.	9.2
47	18:26:10	321.	18.6	976.	20.7	67.	9.3
48	18:26:20	346.	19.0	973.	21.3	67.	9.6
49	18:26:30	366.	19.1	970.	21.6	66.	9.5
50	18:26:40	405.	19.1	966.	22.0	64.	9.2
51	18:26:50	444.	18.9	962.	22.2	62.	8.9
52	18:27: 0	473.	18.5	958.	22.1	61.	8.5
53	18:27:10	505.	18.2	955.	22.1	62.	8.6
54	18:27:20	545.	17.9	950.	22.2	61.	8.3
55	18:27:30	568.	17.8	948.	22.3	61.	8.3
56	18:27:40	598.	17.5	944.	22.3	59.	7.9
57	18:27:50	623.	17.6	942.	22.6	52.	7.0
58	18:28: 0	636.	17.6	940.	22.8	51.	6.9
59	18:28:10	657.	17.4	938.	22.8	52.	6.9
60	18:28:20	684.	16.9	935.	22.5	59.	7.7
61	18:28:30	721.	16.5	931.	22.5	59.	7.5
62	18:28:40	754.	16.8	927.	23.1	53.	6.9
63	18:28:50	782.	16.6	924.	23.2	51.	6.6
64	18:29: 0	817.	16.5	920.	23.5	50.	6.4

SITE 5. MORGAN HILL UTMX= 623.
18 OCT 1976 UTMY=4108.
20 0-2022 PDT SODAR HT.= 98. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
39	20: 6:30	89.	17.3	1002.	17.1	81.	10.1
38	20: 6:20	119.	17.2	999.	17.3	81.	10.1
37	20: 6:10	134.	17.1	997.	17.3	81.	10.0
36	20: 6: 0	161.	17.3	994.	17.8	81.	10.2
35	20: 5:50	180.	17.6	992.	18.3	81.	10.4
34	20: 5:40	209.	17.6	988.	18.6	81.	10.4
33	20: 5:30	221.	17.6	987.	18.7	82.	10.6
32	20: 5:20	245.	17.5	984.	18.8	82.	10.5
31	20: 5:10	269.	17.2	981.	18.8	82.	10.4
30	20: 5: 0	295.	17.0	978.	18.8	83.	10.4
29	20: 4:50	319.	16.8	976.	18.9	83.	10.3
28	20: 4:40	343.	17.1	973.	19.4	85.	10.8
27	20: 4:30	366.	17.0	970.	19.5	86.	10.9
26	20: 4:20	395.	16.9	967.	19.7	87.	11.0
25	20: 4:10	415.	16.7	965.	19.7	87.	10.9
24	20: 4: 0	431.	16.5	963.	19.7	88.	10.9
23	20: 3:50	456.	16.2	960.	19.6	88.	10.7
22	20: 3:40	471.	16.1	958.	19.6	89.	10.8
21	20: 3:30	483.	15.9	957.	19.6	89.	10.6
20	20: 3:20	497.	15.8	955.	19.6	89.	10.6
19	20: 3:10	540.	15.8	950.	20.0	85.	10.1
18	20: 3: 0	573.	15.8	947.	20.4	82.	9.8
17	20: 2:50	594.	15.7	944.	20.5	80.	9.5
16	20: 2:40	613.	15.8	942.	20.7	78.	9.4
15	20: 2:30	629.	15.6	940.	20.7	75.	8.9
14	20: 2:20	644.	16.1	939.	21.4	70.	8.6
13	20: 2:10	667.	16.9	936.	22.4	61.	7.9
12	20: 2: 0	706.	18.2	932.	24.1	44.	6.2
11	20: 1:50	704.	18.1	932.	24.0	40.	5.6
10	20: 1:40	702.	18.5	932.	24.4	41.	5.9
9	20: 1:30	743.	18.6	928.	24.9	34.	4.9
8	20: 1:20	766.	18.7	925.	25.2	34.	5.0
7	20: 1:10	788.	19.1	923.	25.9	32.	4.8
6	20: 1: 0	803.	19.0	921.	25.9	31.	4.6
5	20: 0:50	823.	18.7	919.	25.8	33.	4.9
4	20: 0:40	828.	18.7	919.	25.9	35.	5.2
3	20: 0:30	832.	18.8	918.	26.0	36.	5.3
2	20: 0:20	828.	18.8	919.	26.0	36.	5.3
1	20: 0:10	824.	18.8	919.	25.9	36.	5.3

SITE 5. MORGAN HILL UTMX= 623.
18 OCT 1976 UTMY=4108.
20 0-2022 PDT SODAR HT.= 98. M ASL

I	TIME (PDT)	HEIGHT ASL (M)	TEMP. (C)	PRESS. (MB)	POT. TEMP. (C)	REL. HUMIDITY (PCT)	MIXING RATIO (G/KG)
40	20: 6:40	76.	17.3	1004.	17.0	82.	10.2
41	20: 6:50	89.	17.3	1002.	17.1	82.	10.2
42	20: 7: 0	120.	17.1	999.	17.2	82.	10.1
43	20: 7:10	142.	17.2	996.	17.5	82.	10.2
44	20: 7:20	170.	17.4	993.	18.0	81.	10.3
45	20: 7:30	199.	17.2	989.	18.1	81.	10.2
46	20: 7:40	226.	17.1	986.	18.2	81.	10.1
47	20: 7:50	244.	17.3	984.	18.6	81.	10.3
48	20: 8: 0	266.	17.2	982.	18.7	81.	10.2
49	20: 8:10	285.	17.3	980.	19.0	81.	10.3
50	20: 8:20	299.	17.2	978.	19.1	81.	10.3
51	20: 8:30	322.	17.1	975.	19.2	82.	10.4
52	20: 8:40	334.	16.9	974.	19.1	82.	10.2
53	20: 8:50	356.	16.6	971.	19.0	82.	10.1
54	20: 9: 0	384.	16.2	968.	18.9	82.	9.9
55	20: 9:10	405.	16.0	966.	18.9	84.	10.0
56	20: 9:20	413.	16.0	965.	19.0	84.	10.0
57	20: 9:30	437.	15.7	962.	18.9	86.	10.1
58	20: 9:40	458.	15.6	960.	19.0	87.	10.2
59	20: 9:50	478.	15.4	957.	19.0	87.	10.0
60	20:10: 0	512.	15.1	954.	19.0	88.	10.0
61	20:10:10	540.	15.0	950.	19.2	90.	10.2
62	20:10:20	566.	15.0	947.	19.5	89.	10.1
63	20:10:30	588.	15.0	945.	19.7	88.	10.0
64	20:10:40	609.	15.1	943.	20.0	89.	10.2
65	20:10:50	620.	15.2	941.	20.2	90.	10.4
66	20:11: 0	654.	15.3	938.	20.7	89.	10.4
67	20:11:10	681.	15.9	935.	21.5	83.	10.1
68	20:11:20	705.	16.4	932.	22.3	74.	9.3
69	20:11:30	723.	17.2	930.	23.3	60.	8.0
70	20:11:40	752.	18.1	927.	24.5	41.	5.8
71	19:59:50	765.	18.3	925.	24.8	41.	5.8
73	20:11:50	777.	18.4	924.	25.0	41.	5.9
74	20:12: 0	798.	18.6	922.	25.5	38.	5.5
75	20:12:10	810.	18.5	921.	25.5	38.	5.5
76	20:12:20	832.	18.6	918.	25.8	42.	6.2
77	20:12:30	845.	18.5	917.	25.8	43.	6.3
78	20:12:40	844.	18.5	917.	25.8	41.	6.0
79	20:12:50	837.	18.7	918.	26.0	41.	6.1