APPENDIX C

A COMPARISON OF PLUME DISPERSION MODEL PREDICTIONS WITH MEASURED DATA

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A COMPARISON OF PLUME DISPERSION MODEL PREDICTIONS WITH MEASURED DATA

This appendix contains maps of the data generated by the plume dispersion model. The maps are organized into sections by date; within each section the maps are ordered by hour, and $SO_4^=$ maps follow those for SO_2.

The top map on each right-hand page gives the ground-level pollutant concentrations predicted by the plume dispersion model. An isopleth has been drawn at 15 ppb on the SO_2 maps for Los Alamitos and Haynes to facilitate observation of the changing patterns of pollutant concentrations during the day. The Haynes and Los Alamitos plants are located in grid cell (11,7), which is indicated by a circle on the maps with isopleths. Each circle contains an arrow showing the average wind direction at the plants during that hour.

The bottom map on each right-hand page shows the measured ground-level pollutant concentrations. Measured concentrations are printed in every grid cell that contains a monitoring station. Plus signs appear in cells that do not contain a station.

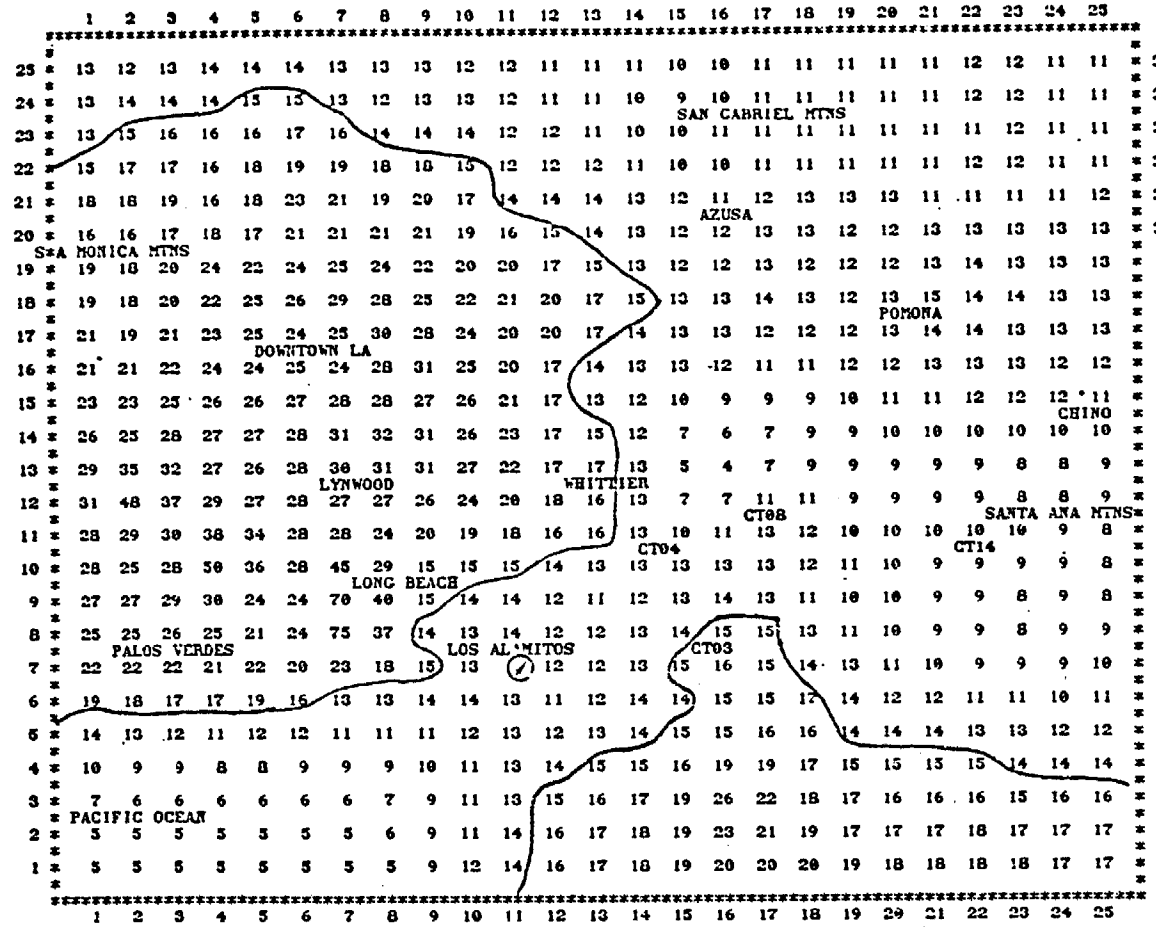
In the sections for October 1st, 11th, and 30th, the left-hand page contains a single map showing the predicted ground-level concentrations due to pollutants emitted solely by the Los Alamitos and Haynes plants. (If the predicted concentrations during some hour were zero, as when the plants' emissions penetrated the inversion and did not remain in the modeling region, no map is presented.) The maps of predicted ground-level concentrations from Los Alamitos and Haynes (left-hand page) may be compared with the maps of predicted ground-level concentrations (at the top of the facing page) to determine the impact on air quality of the Los Alamitos and Haynes plants relative to that of all sources in the Los Angeles Basin taken together.

The assiduous reader is invited to entertain himself with the transparent overlay included in a pocket on the back cover. The overlay, which fits over all the LA maps, shows the location of the largest SO_2 sources in the LA Basin.

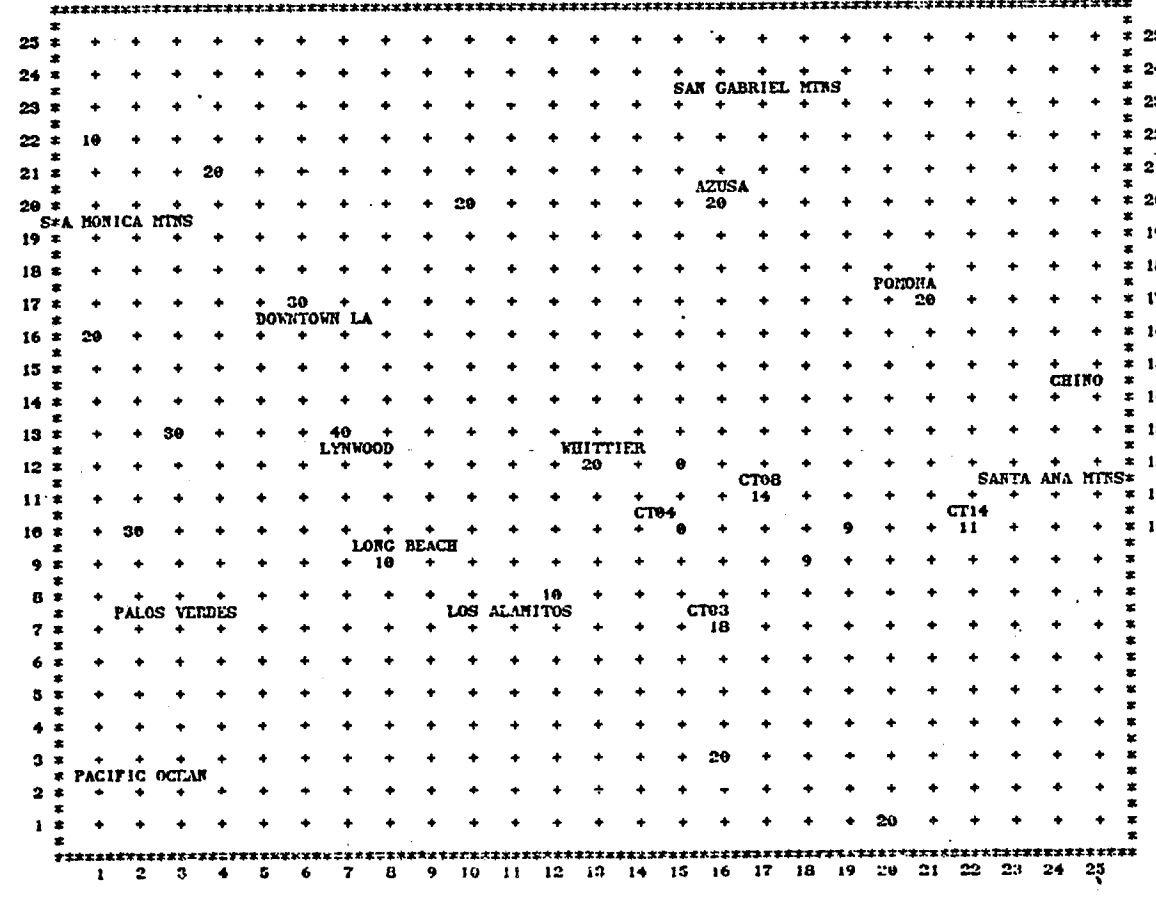
1 OCTOBER 1974

LOS ALAMITOS AND HAYNES

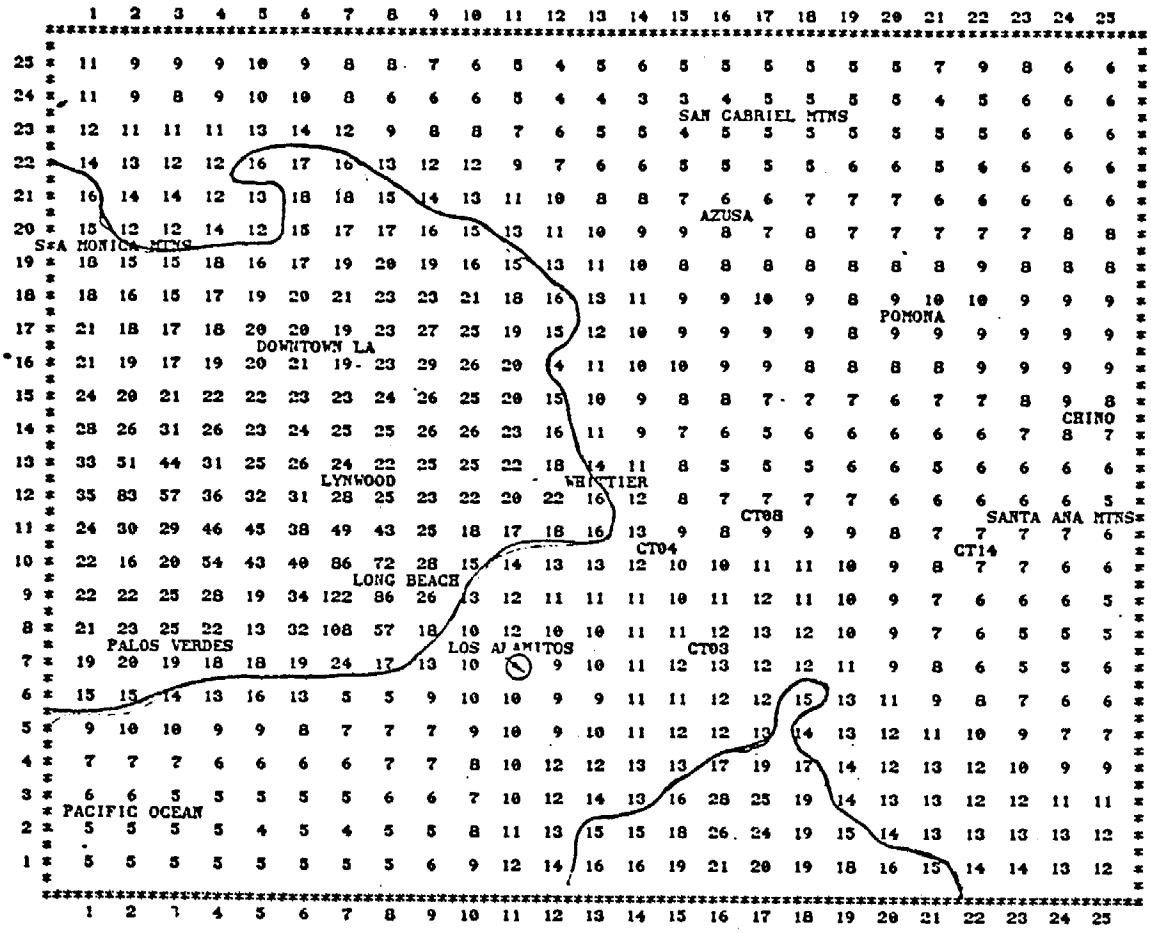
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 BETWEEN THE HOURS OF 600. AND 700. PST



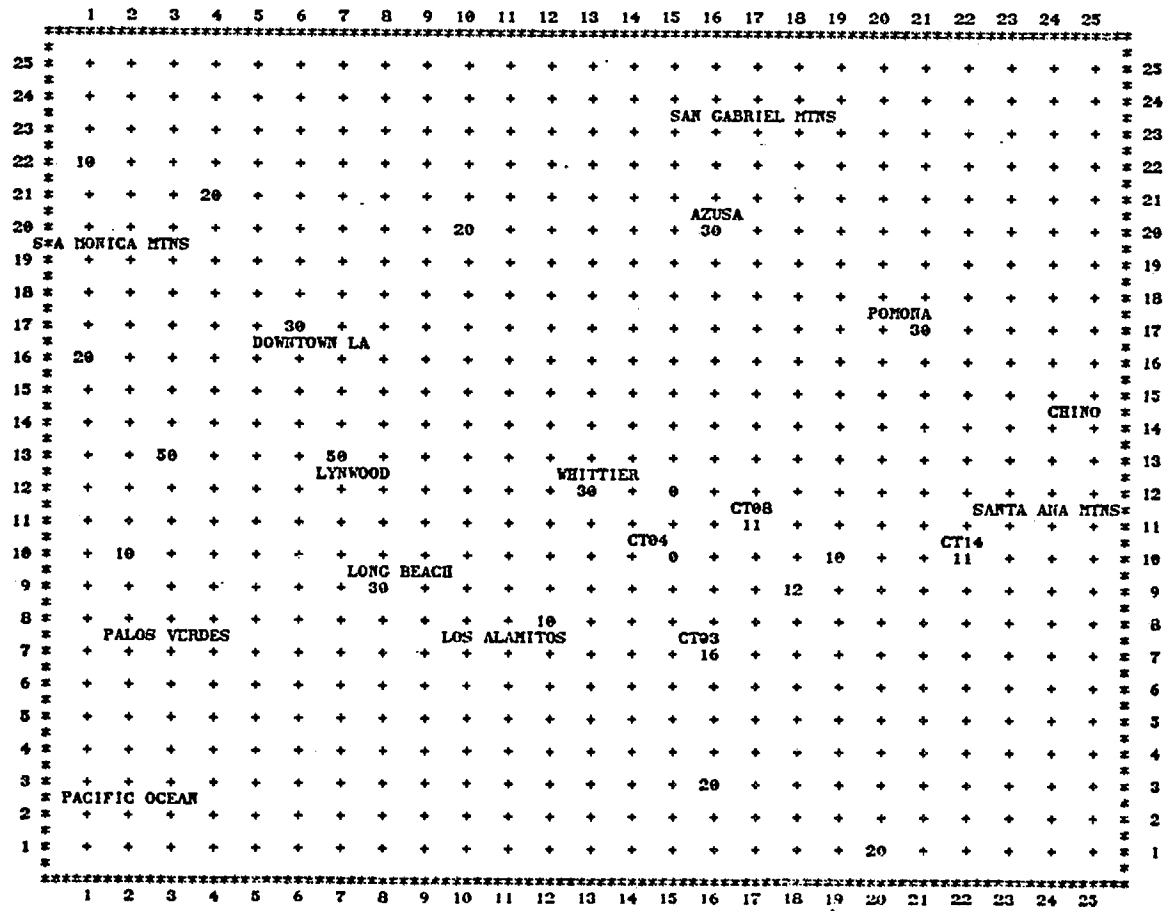
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 AVERAGED BETWEEN THE HOURS OF 600. AND 700. PST



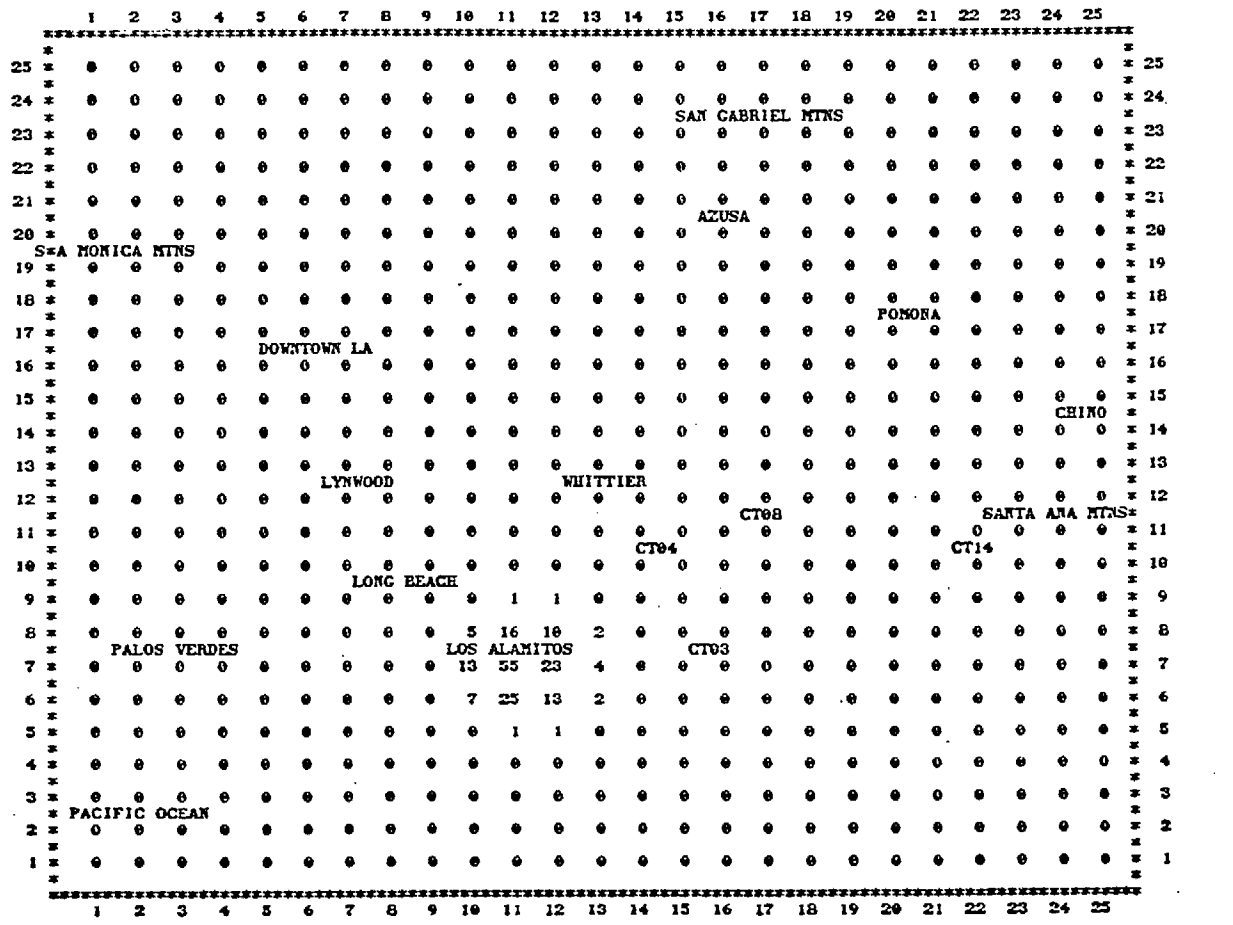
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 BETWEEN THE HOURS OF 700. AND 800. PST



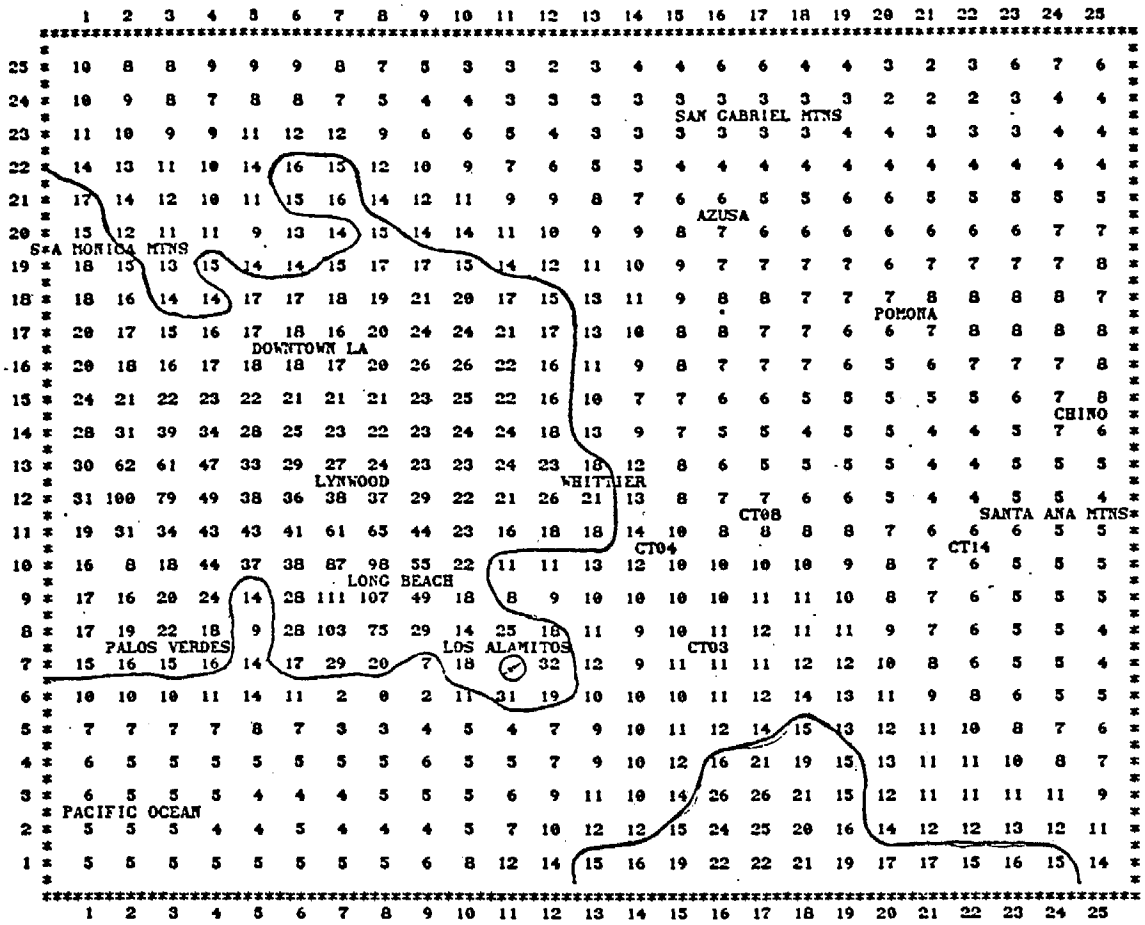
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 AVERAGED BETWEEN THE HOURS OF 700. AND 800. PST



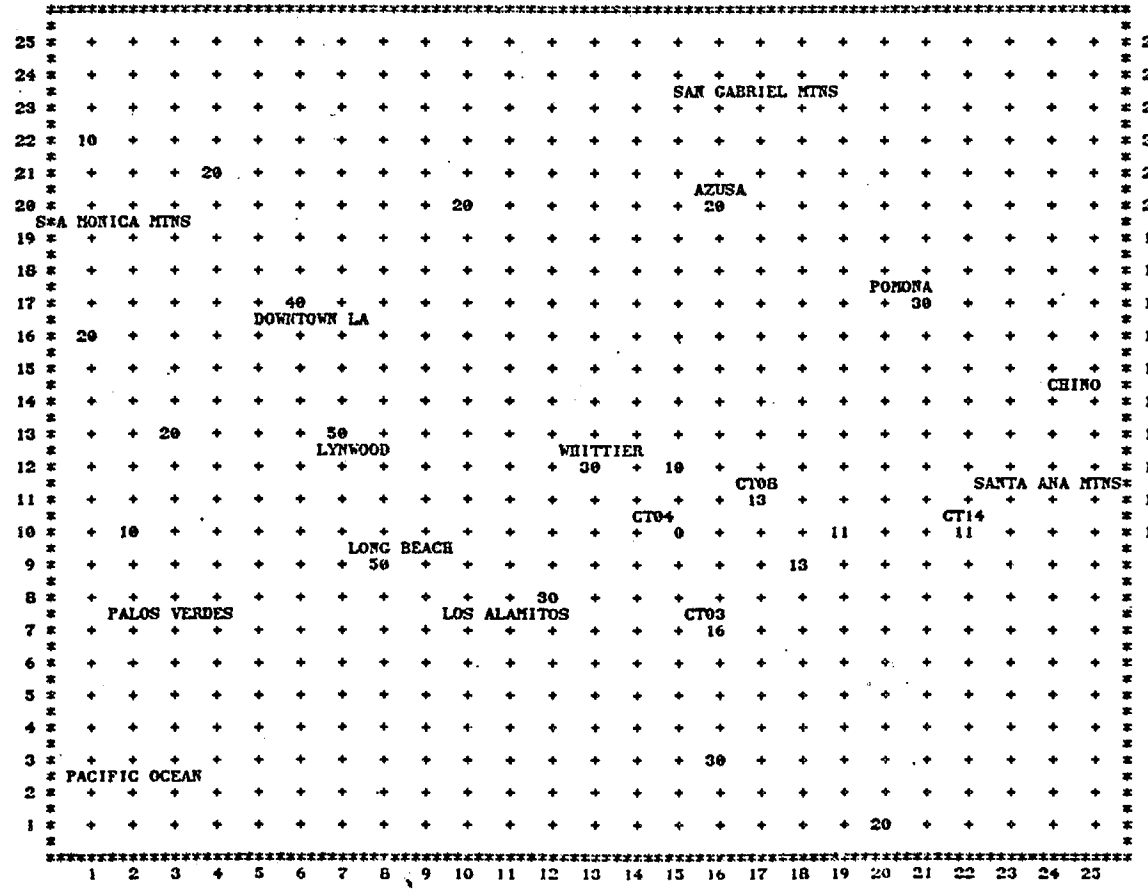
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741001 BETWEEN THE HOURS OF 800. AND 900. PST



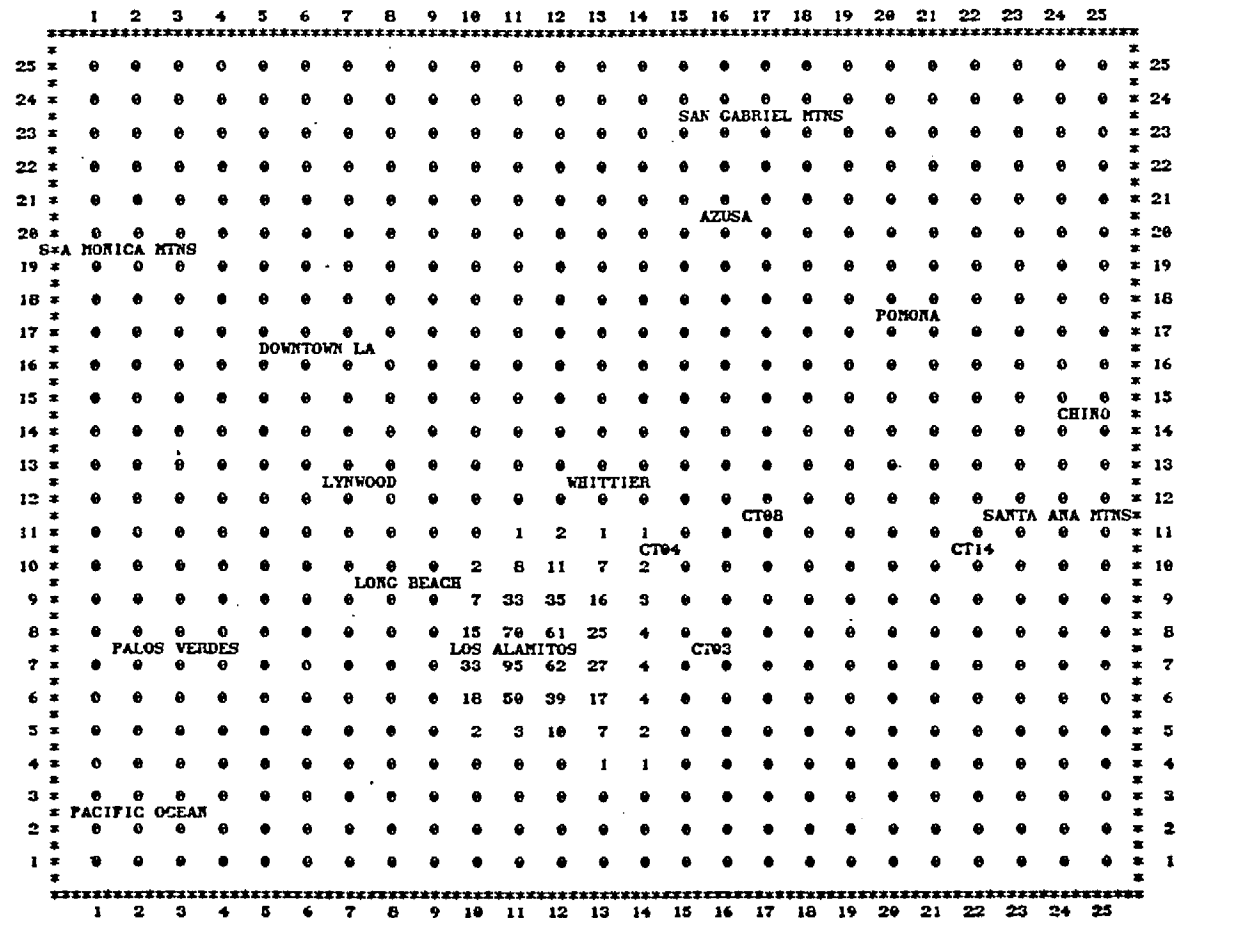
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 BETWEEN THE HOURS OF 800. AND 900. PST



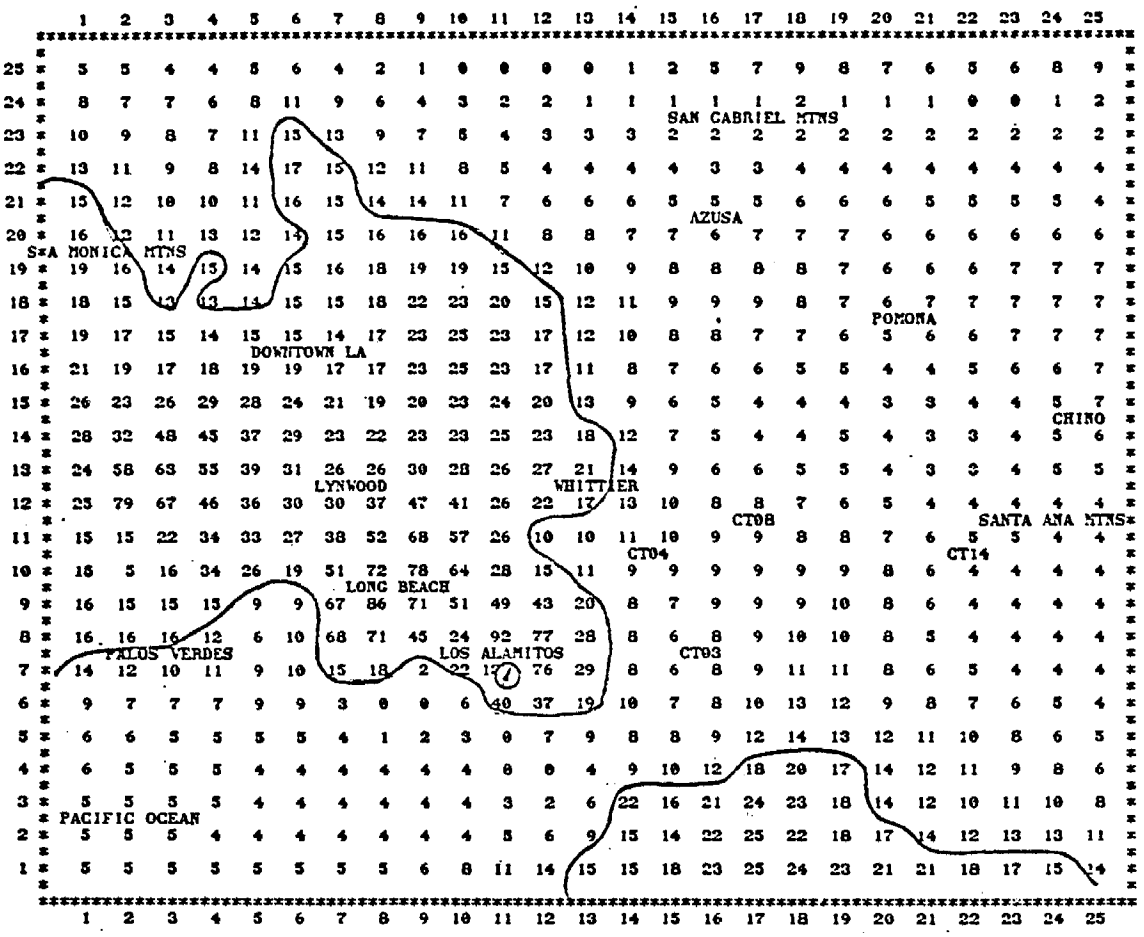
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 AVERAGED BETWEEN THE HOURS OF 800. AND 900. PST



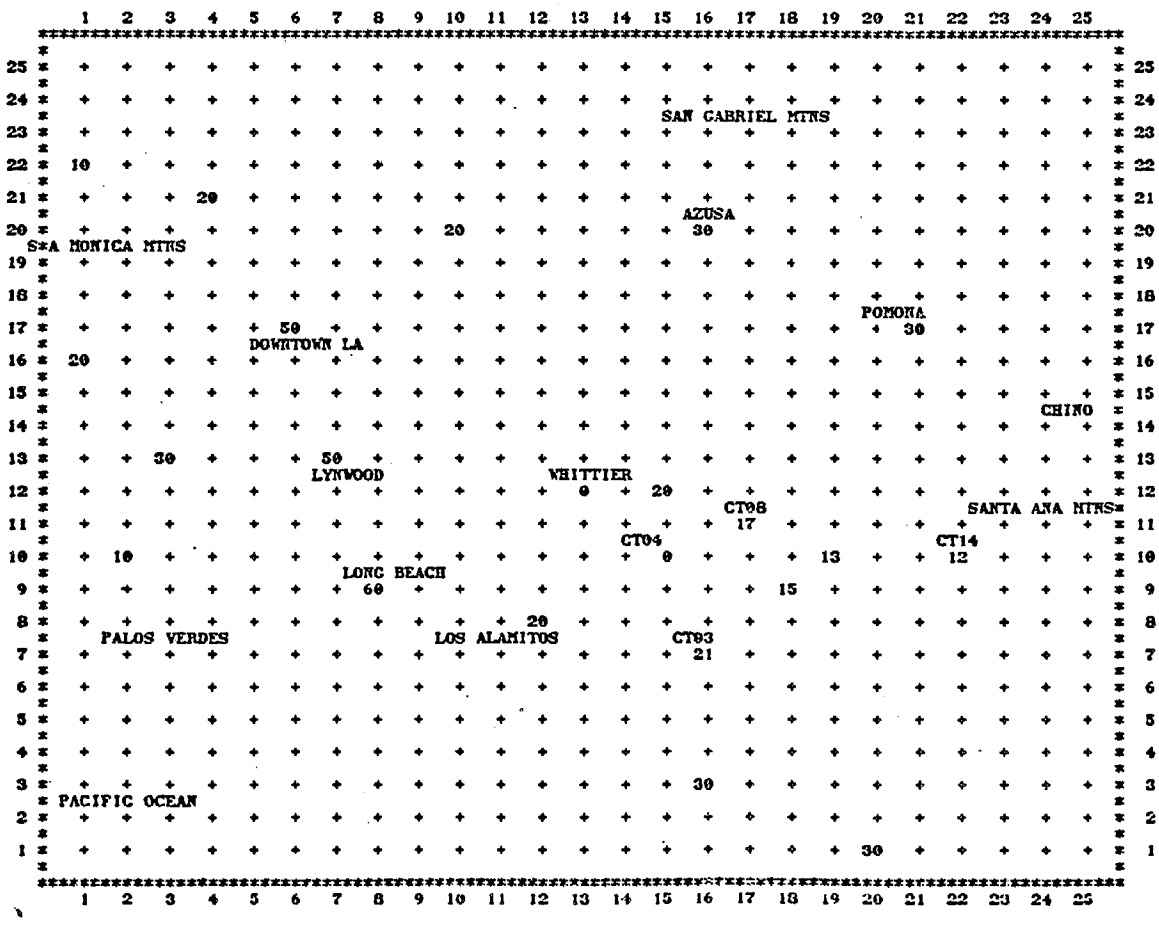
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741001 BETWEEN THE HOURS OF 900. AND 1000. PST



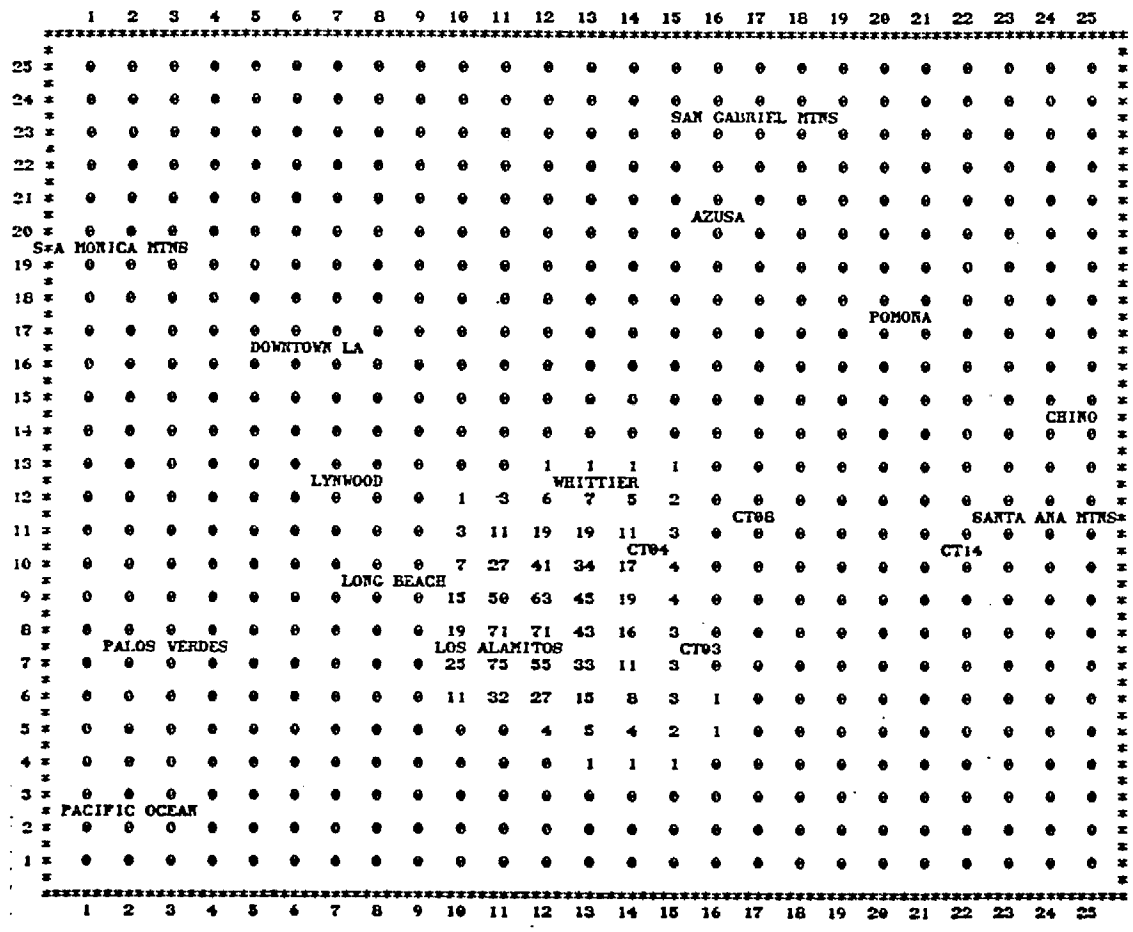
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 BETWEEN THE HOURS OF 900. AND 1000. PST



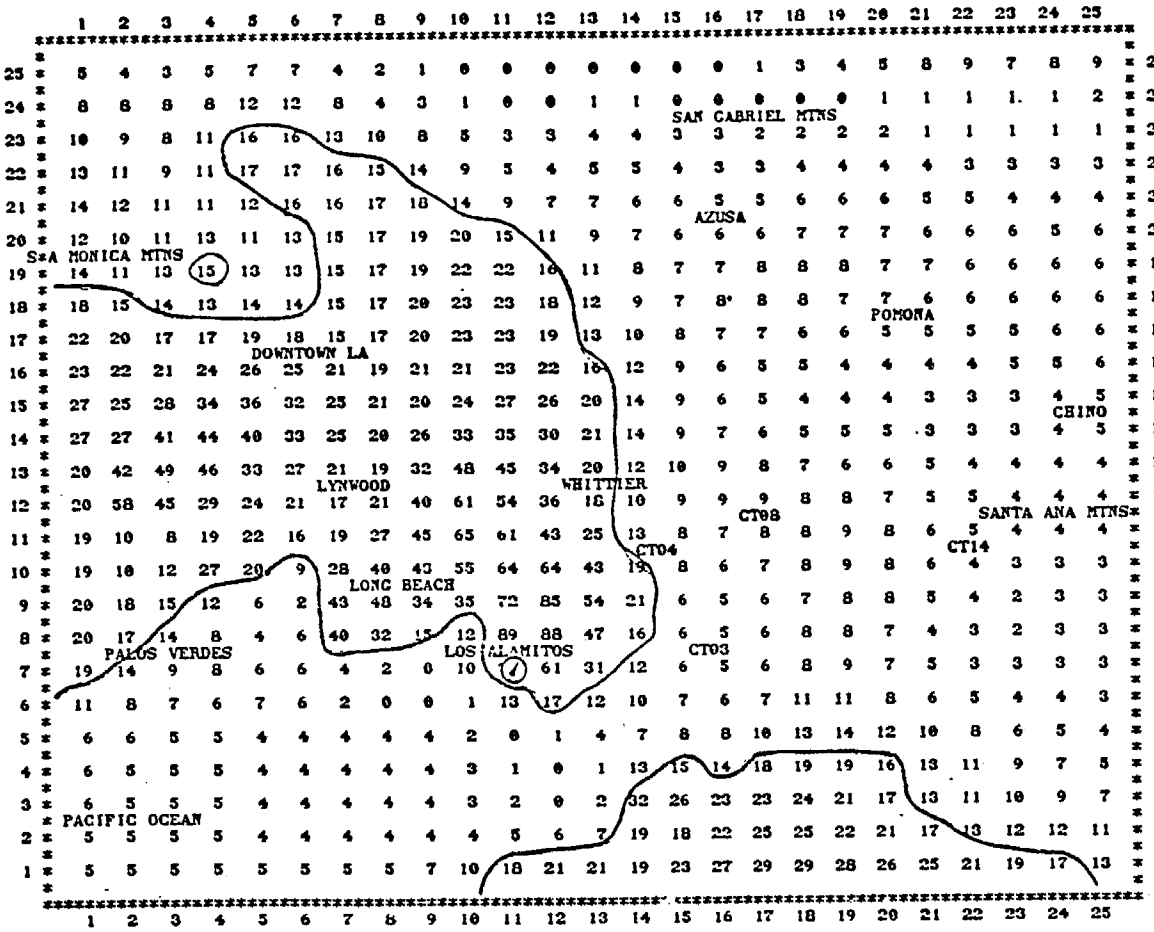
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 AVERAGED BETWEEN THE HOURS OF 900. AND 1000. PST



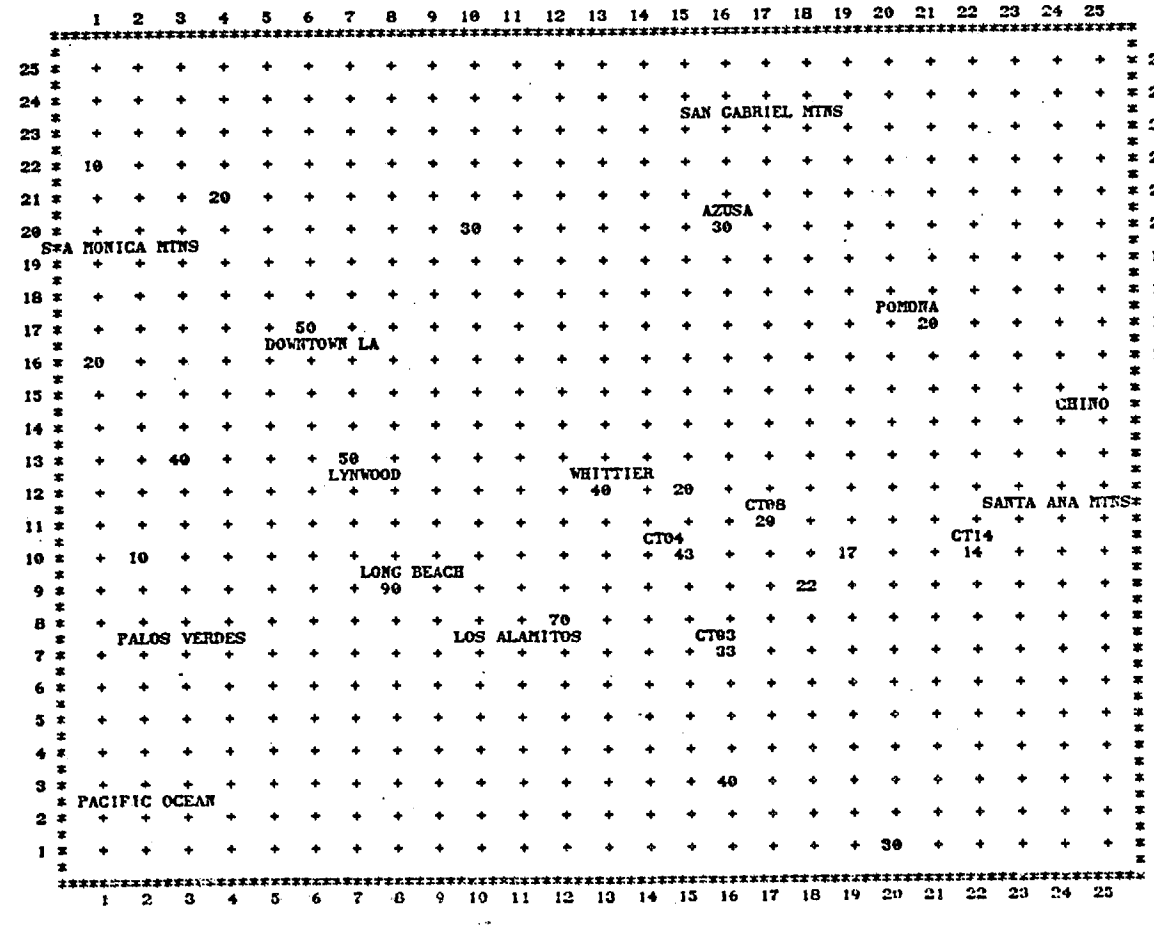
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741001 BETWEEN THE HOURS OF 1000. AND 1100. PST



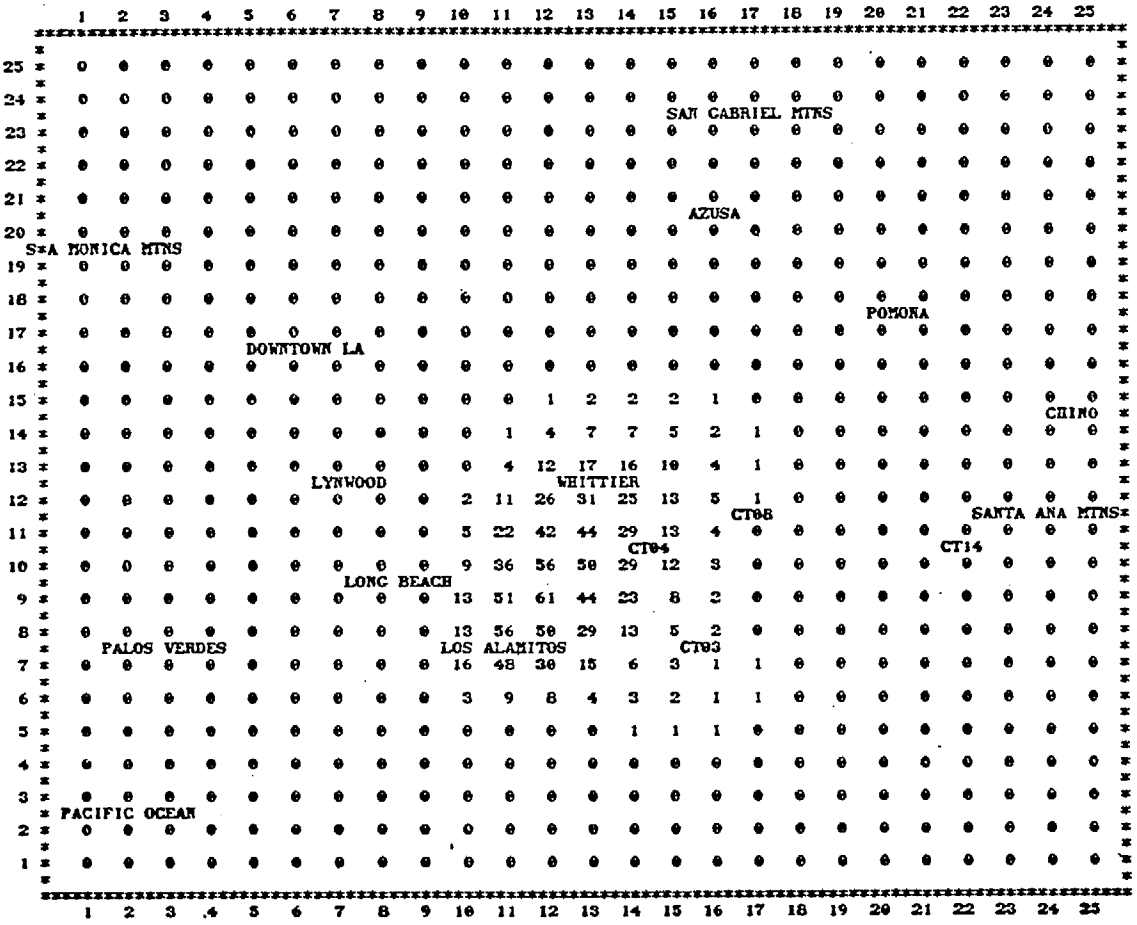
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 BETWEEN THE HOURS OF 1000. AND 1100. PST



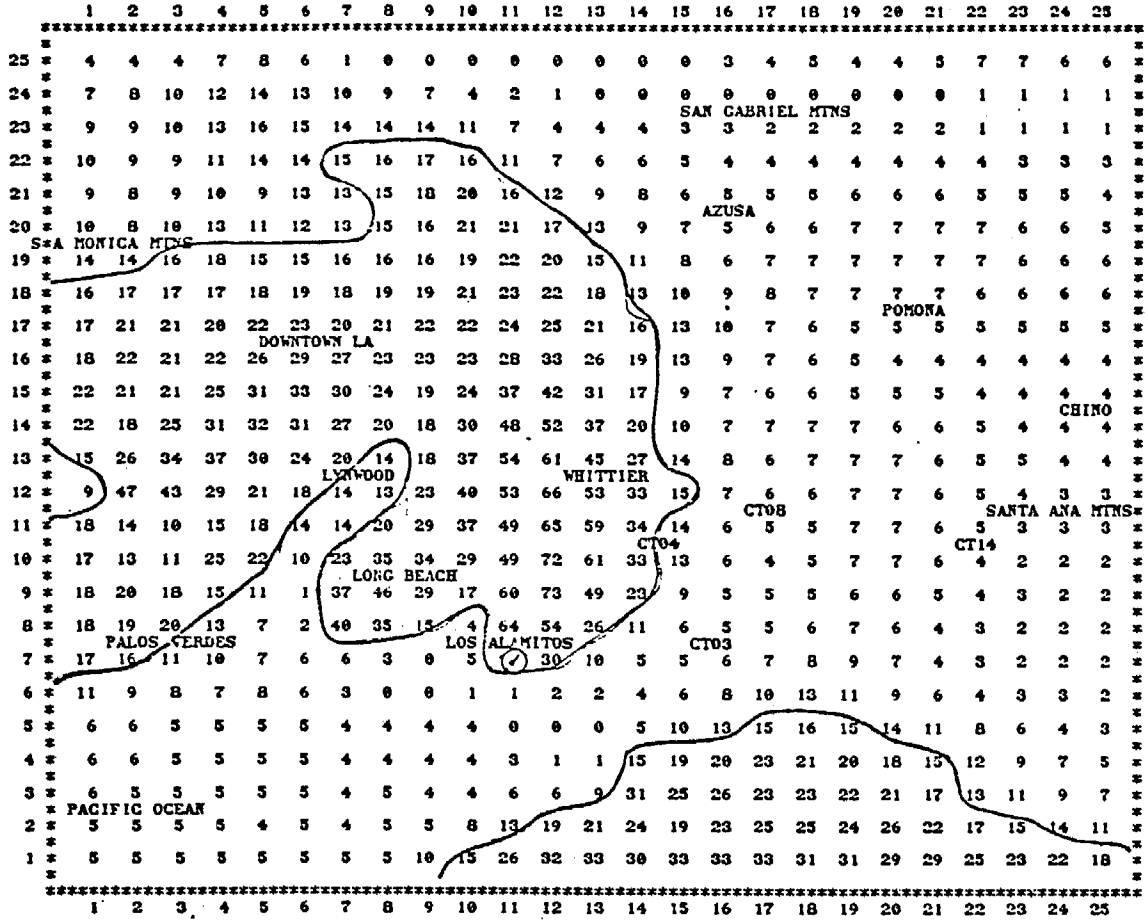
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 AVERAGED BETWEEN THE HOURS OF 1000. AND 1100. PST



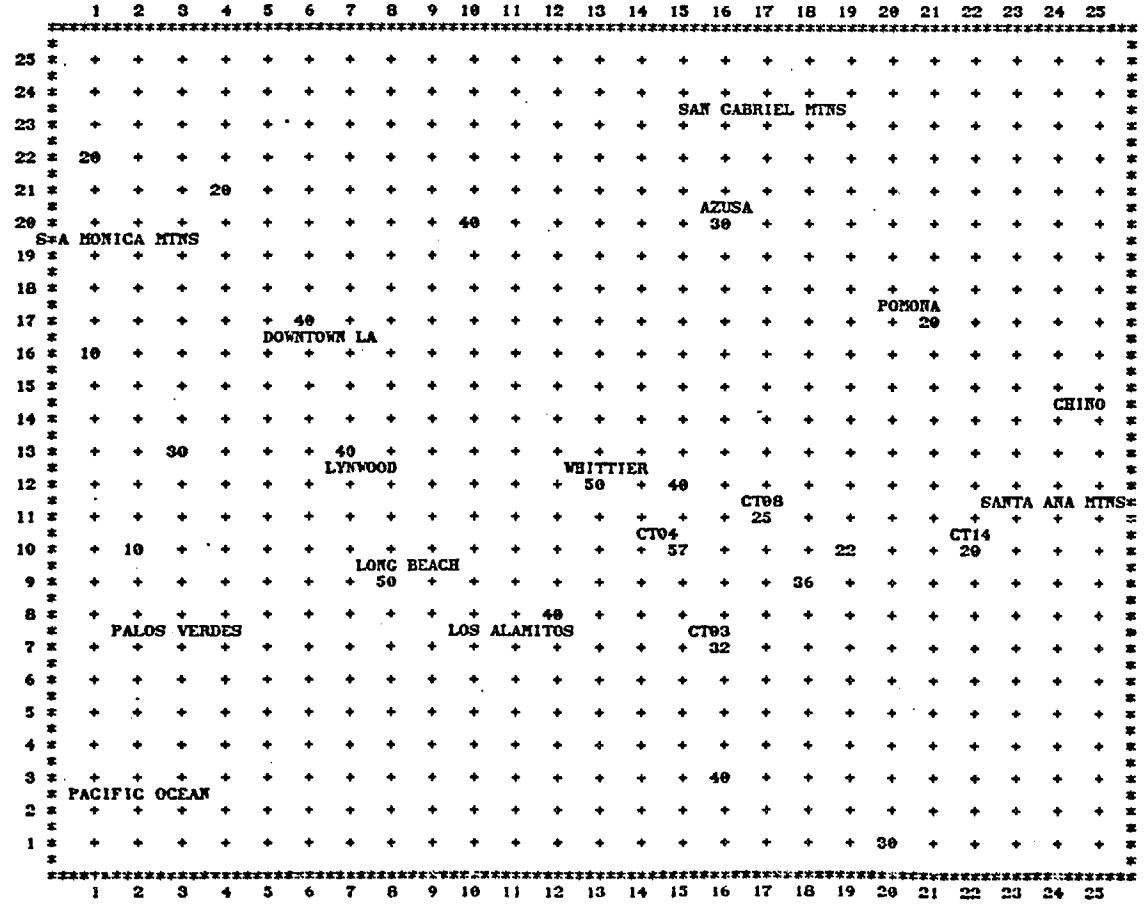
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741001 BETWEEN THE HOURS OF 1100. AND 1200. PST



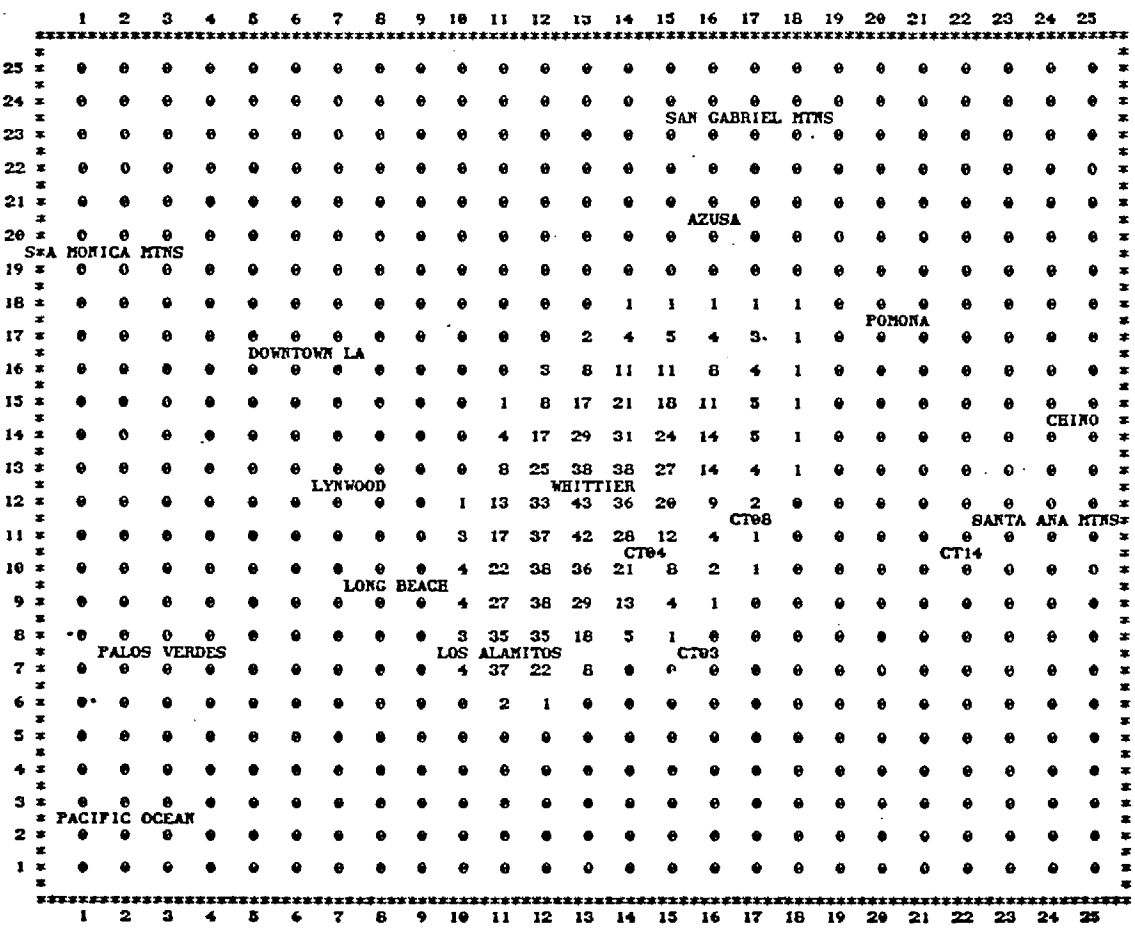
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 BETWEEN THE HOURS OF 1100. AND 1200. PST



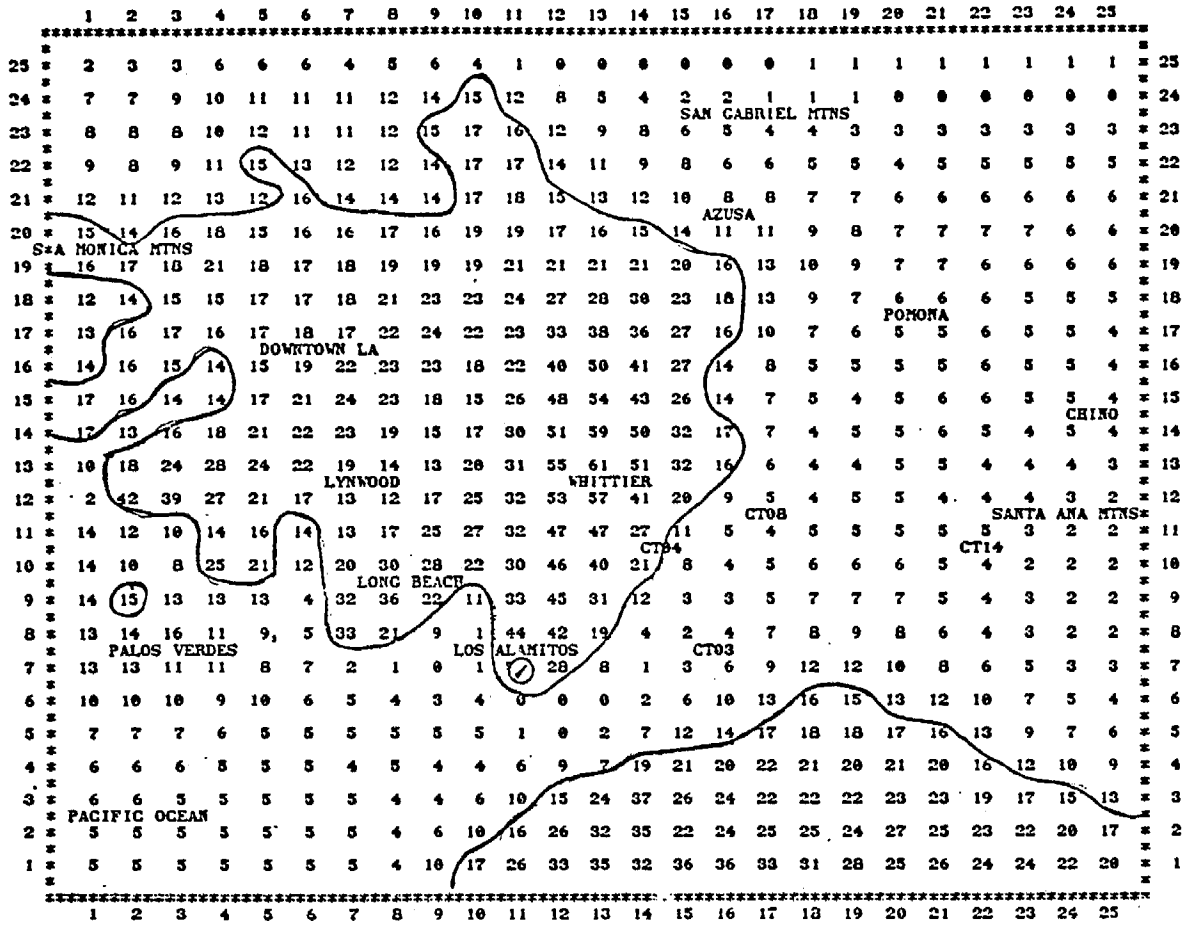
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 AVERAGED BETWEEN THE HOURS OF 1100. AND 1200. PST



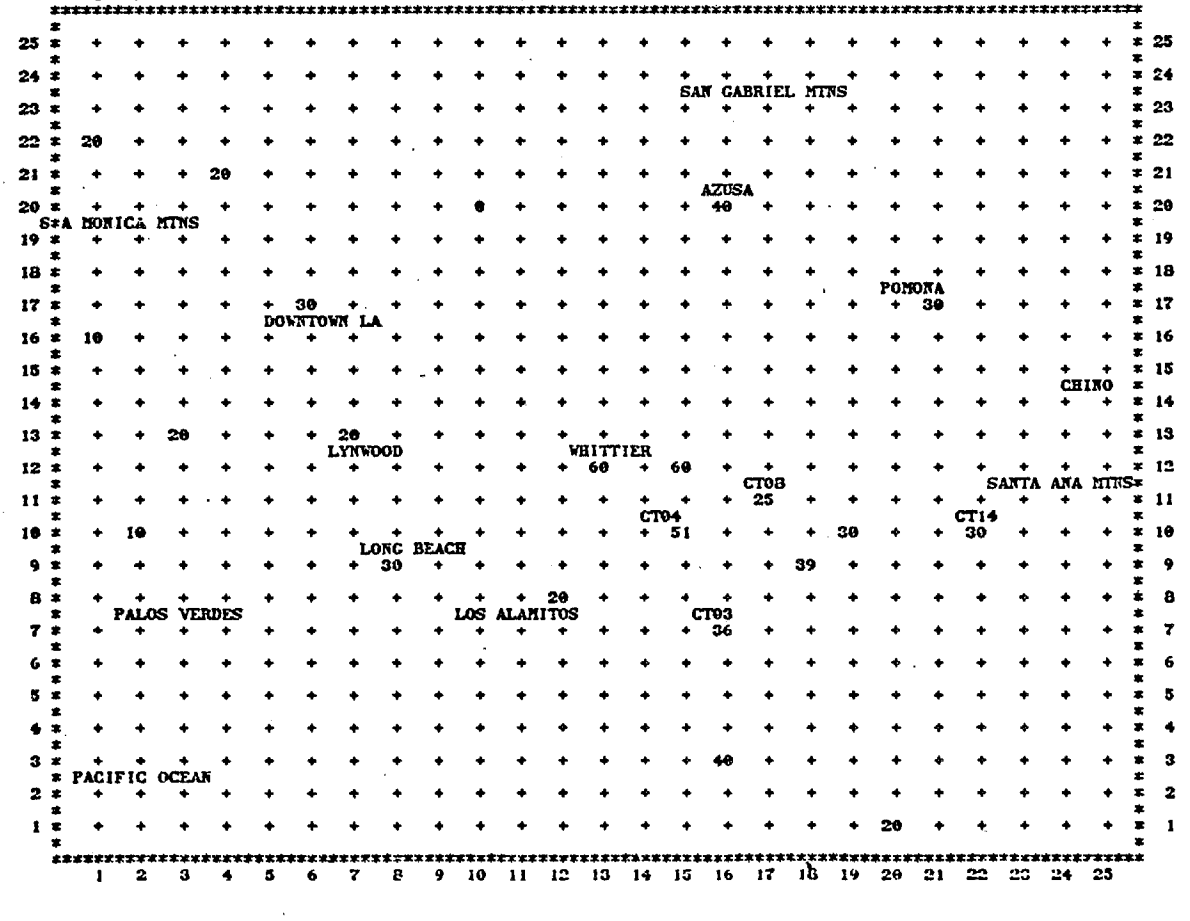
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741001 BETWEEN THE HOURS OF 1200. AND 1300. PST



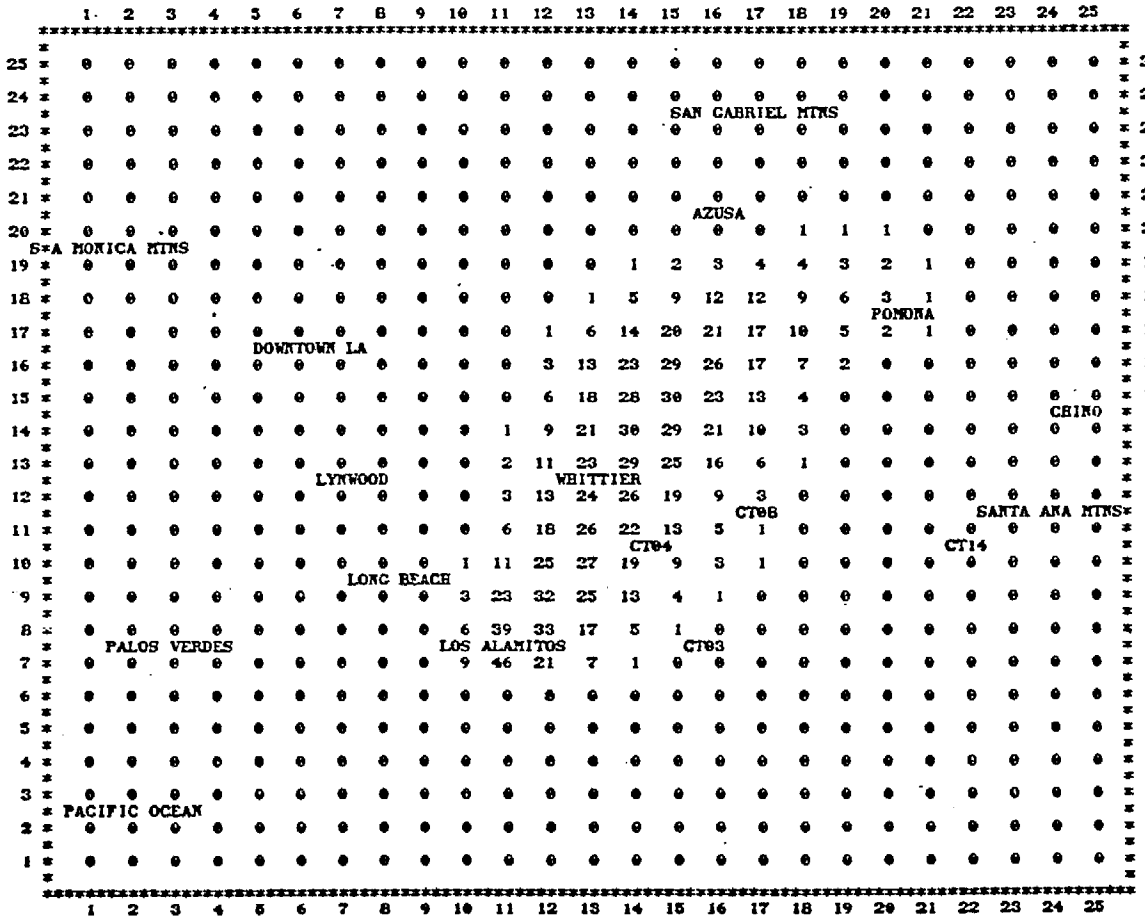
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 BETWEEN THE HOURS OF 1200. AND 1300. PST



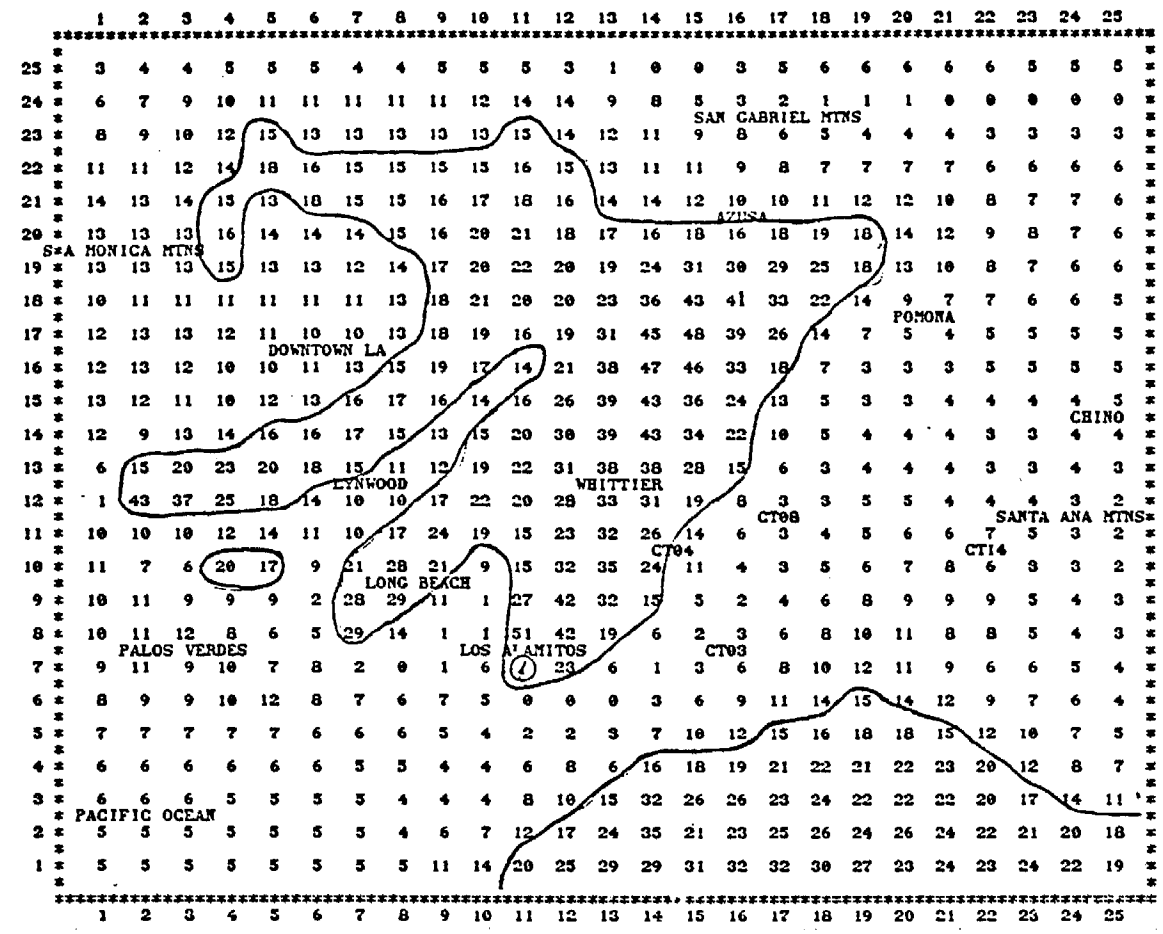
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 AVERAGED BETWEEN THE HOURS OF 1200. AND 1300. PST



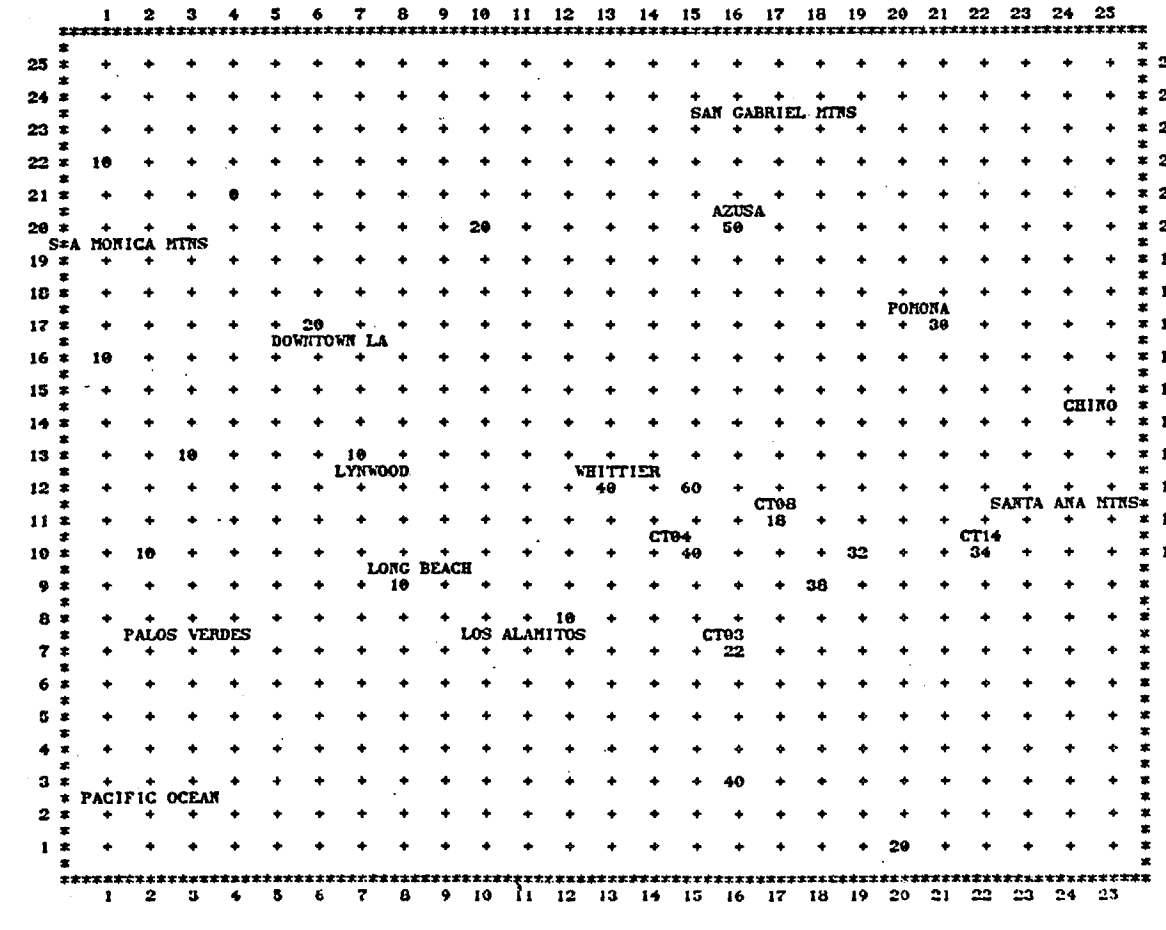
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741001 BETWEEN THE HOURS OF 1300. AND 1400. PST



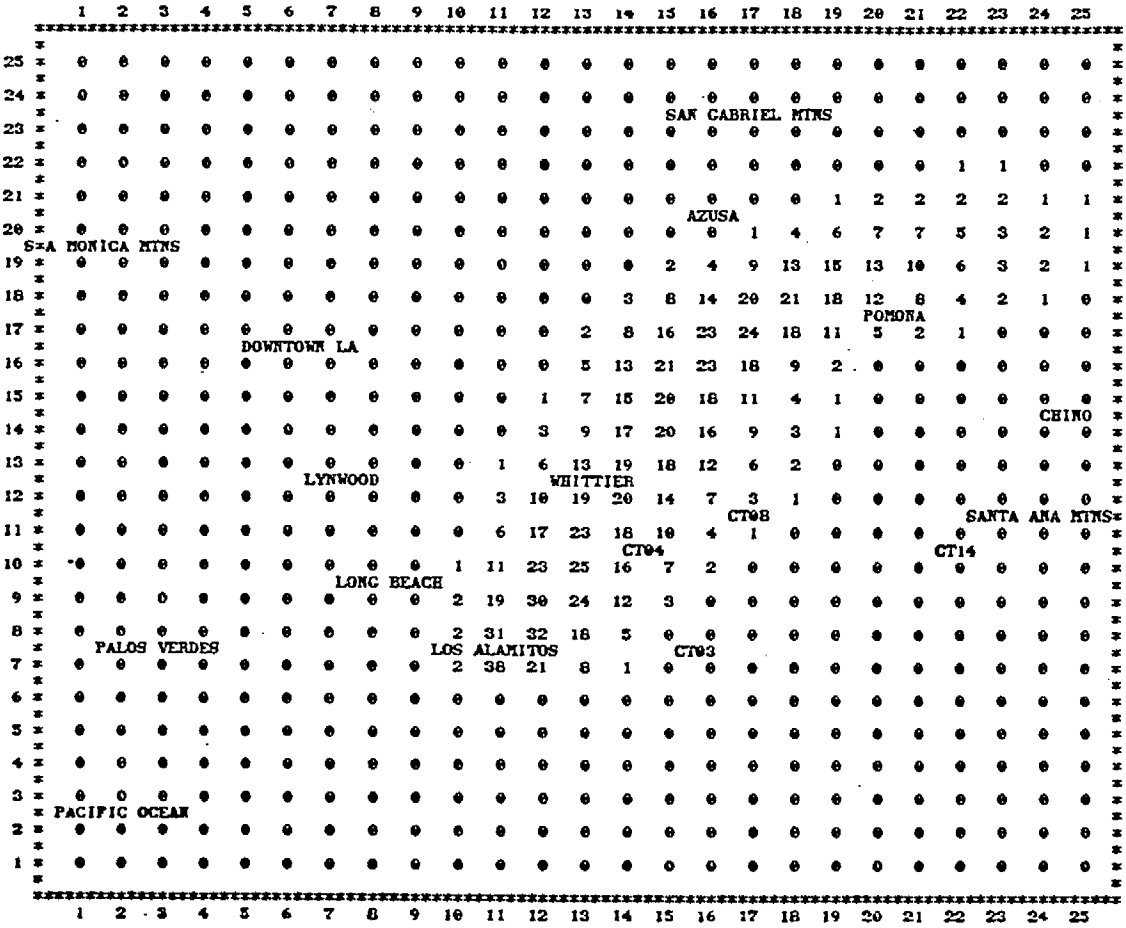
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 BETWEEN THE HOURS OF 1300. AND 1400. PST



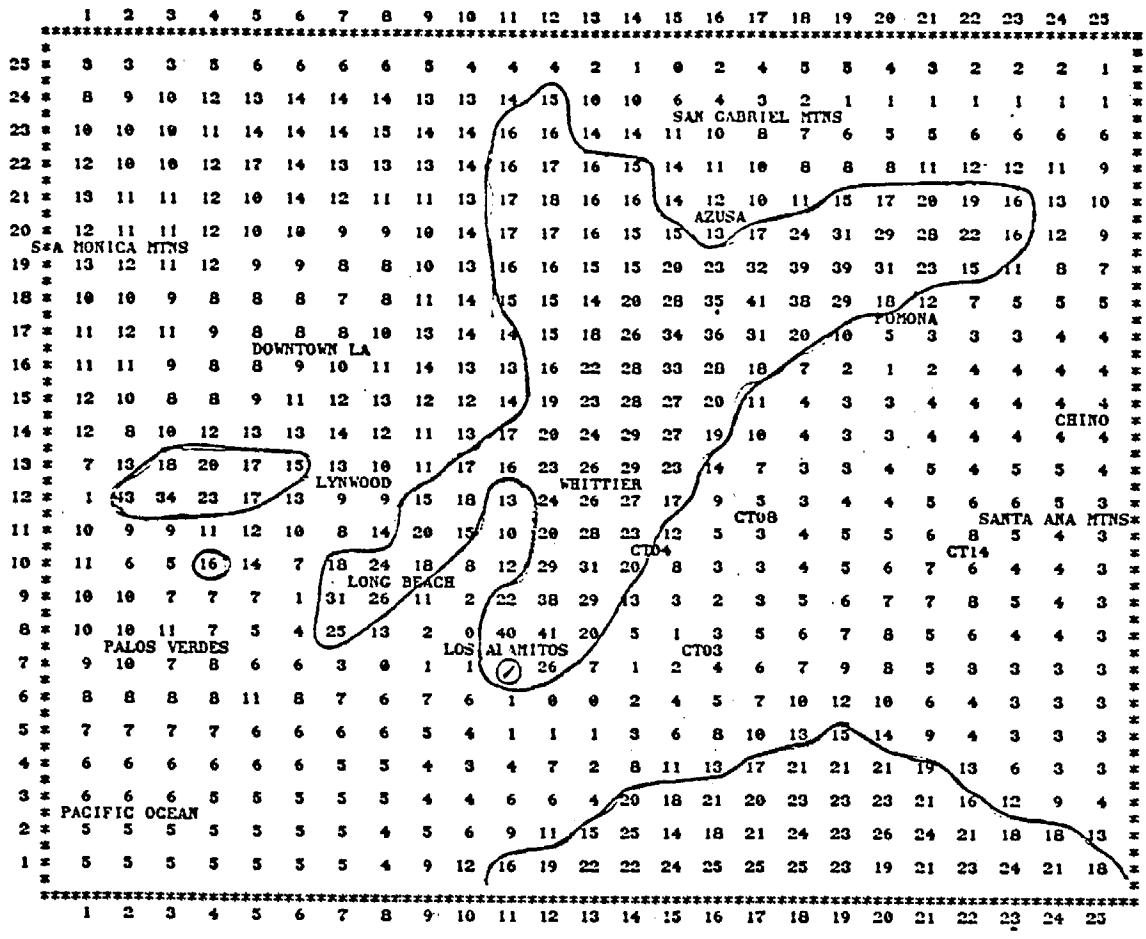
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 AVERAGED BETWEEN THE HOURS OF 1300. AND 1400. PST



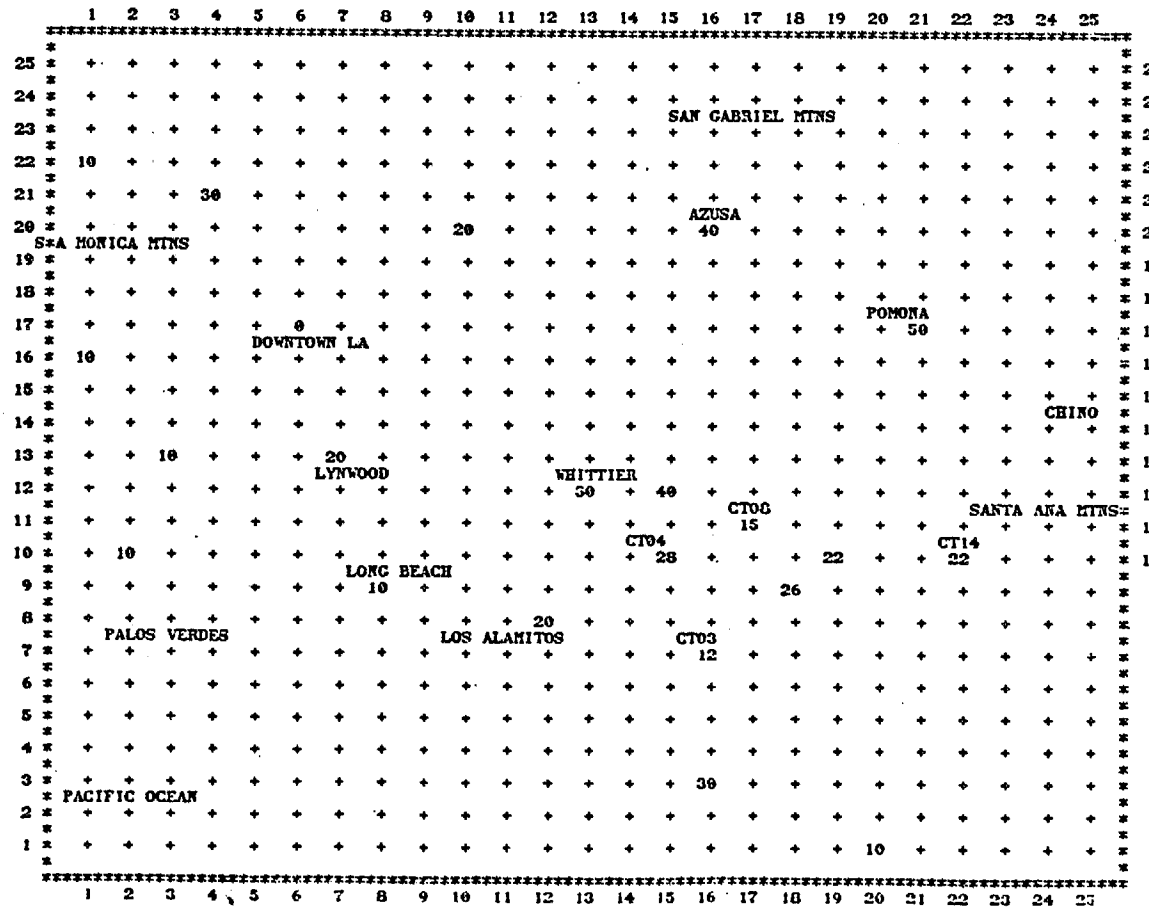
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741001 BETWEEN THE HOURS OF 1400. AND 1500. PST



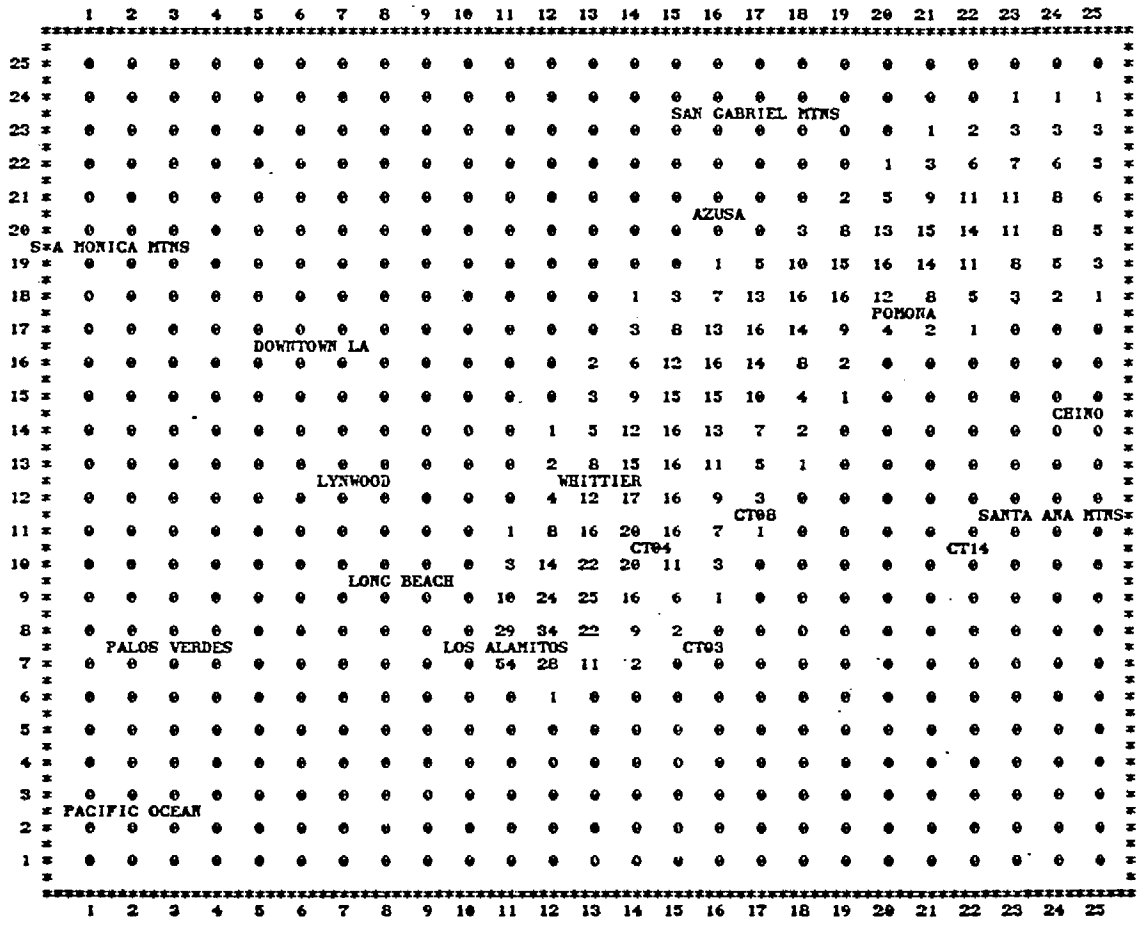
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 BETWEEN THE HOURS OF 1400. AND 1500. PST



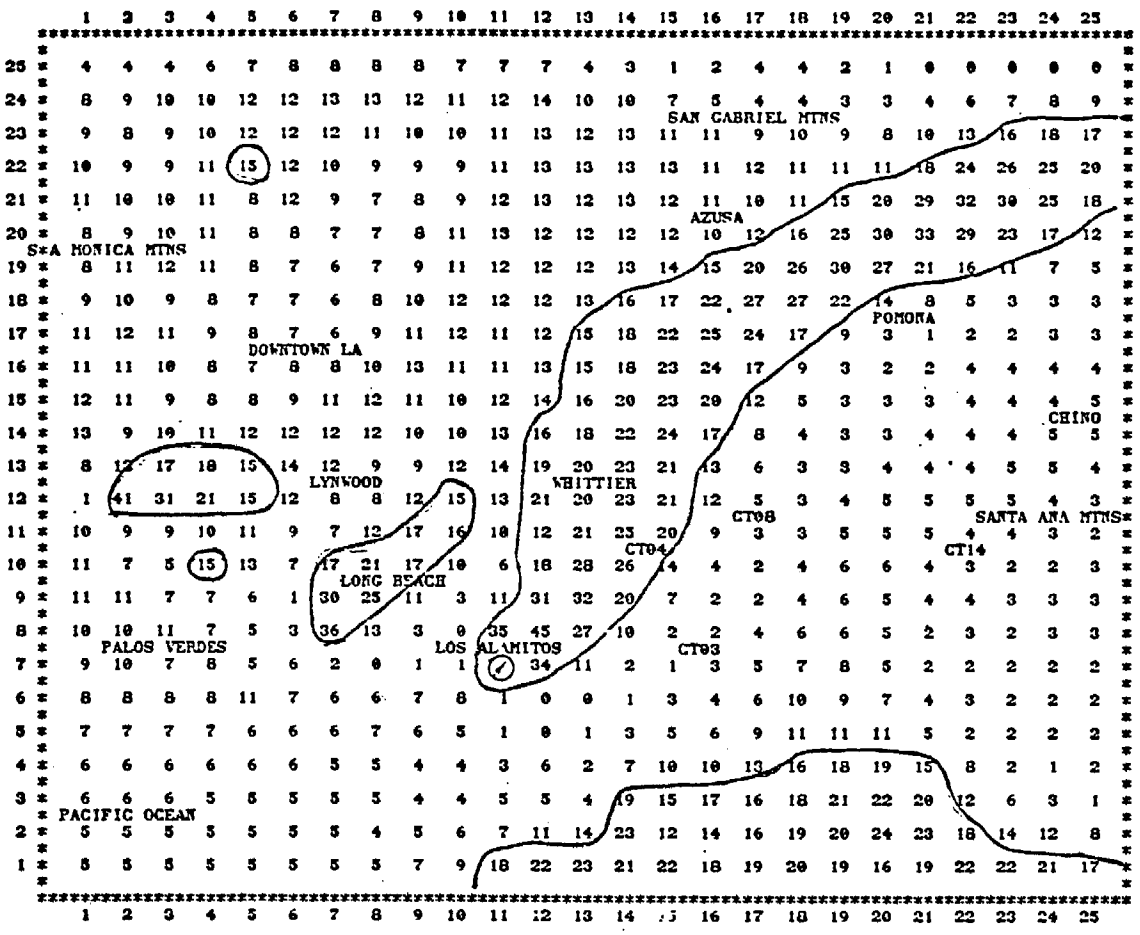
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 AVERAGED BETWEEN THE HOURS OF 1400. AND 1500. PST



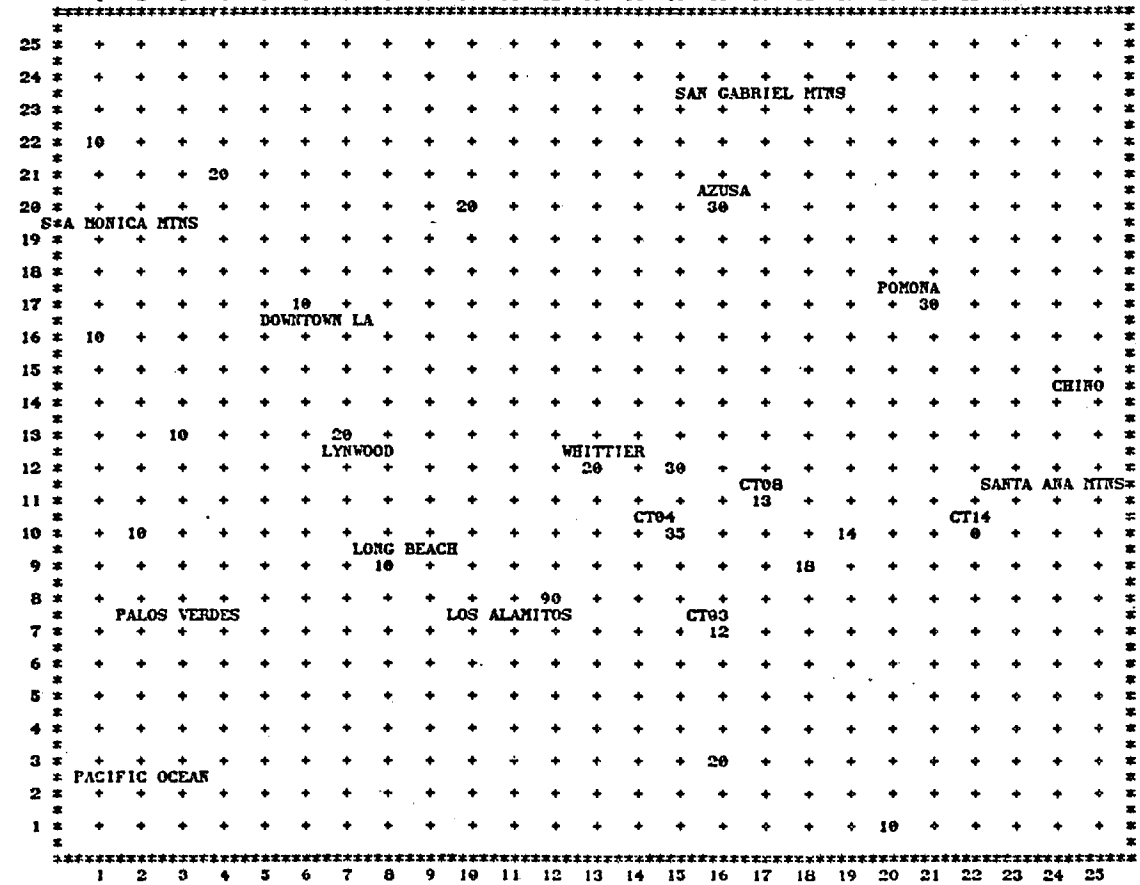
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741001 BETWEEN THE HOURS OF 1500. AND 1600. PST



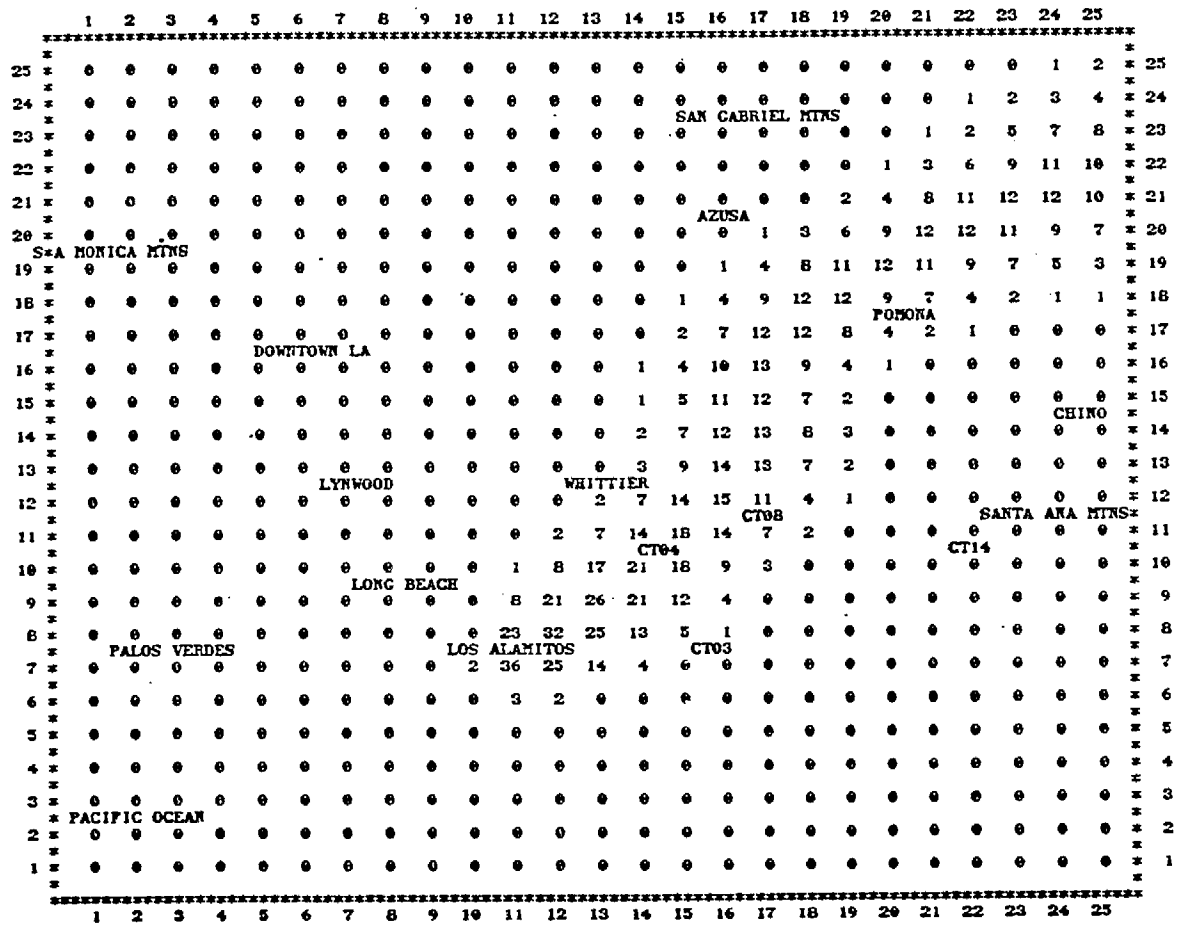
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 BETWEEN THE HOURS OF 1500. AND 1600. PST



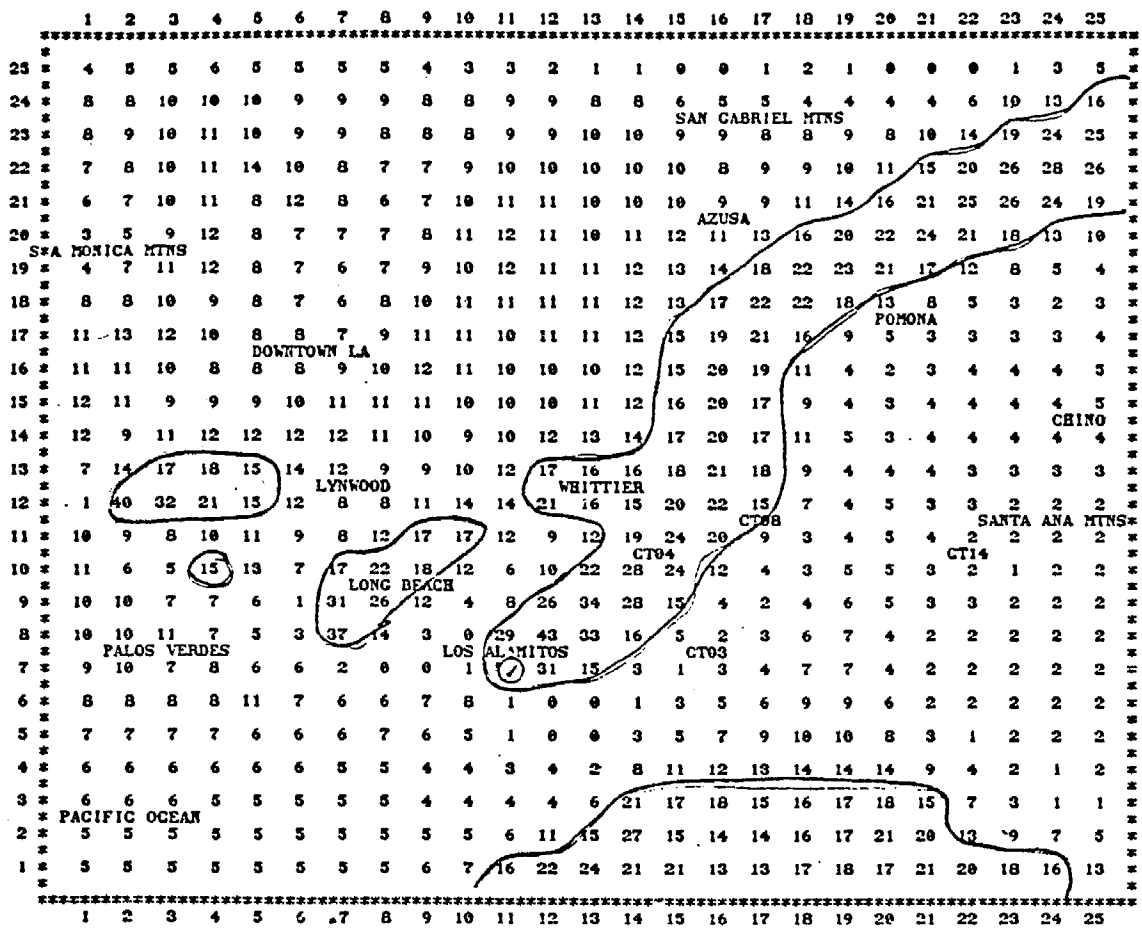
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 AVERAGED BETWEEN THE HOURS OF 1500. AND 1600. PST



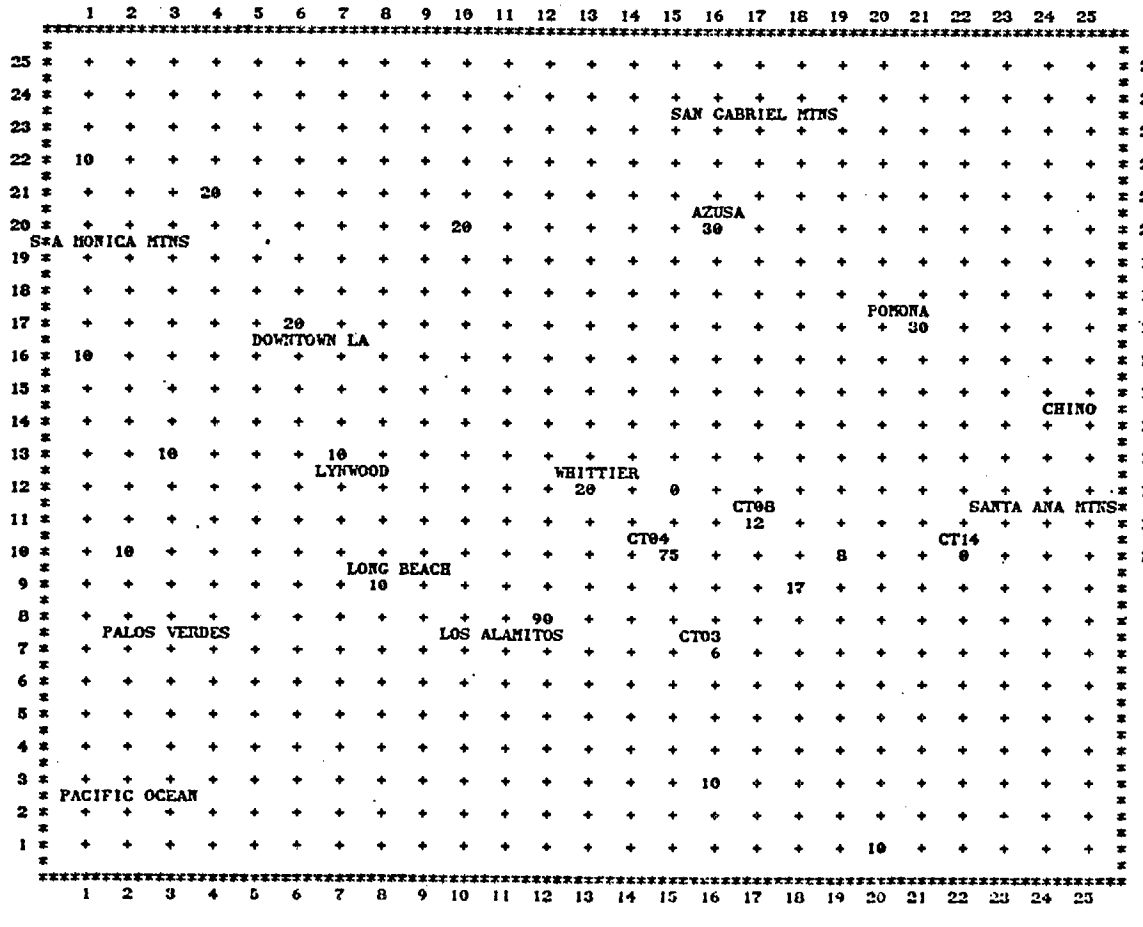
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741001 BETWEEN THE HOURS OF 1600. AND 1700. PST



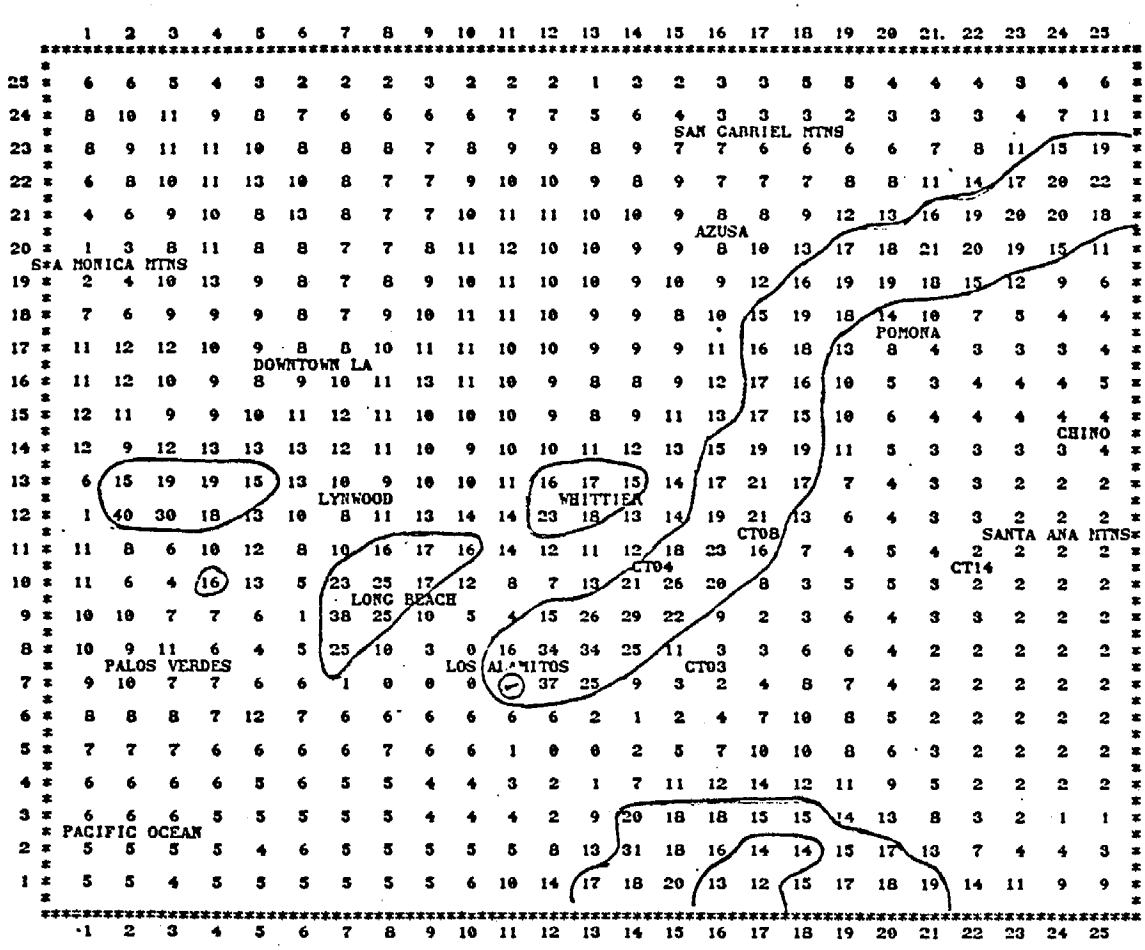
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 BETWEEN THE HOURS OF 1600. AND 1700. PST



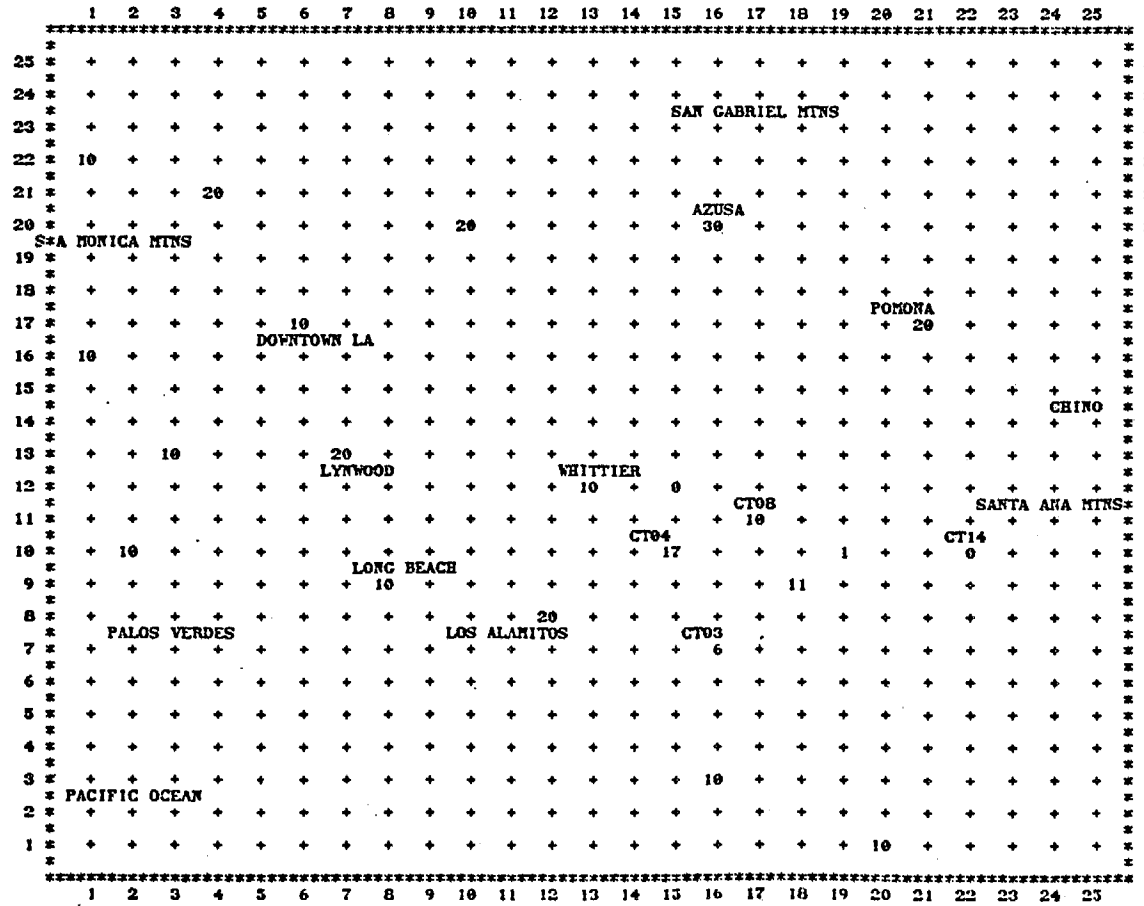
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 AVERAGED BETWEEN THE HOURS OF 1600. AND 1700. PST



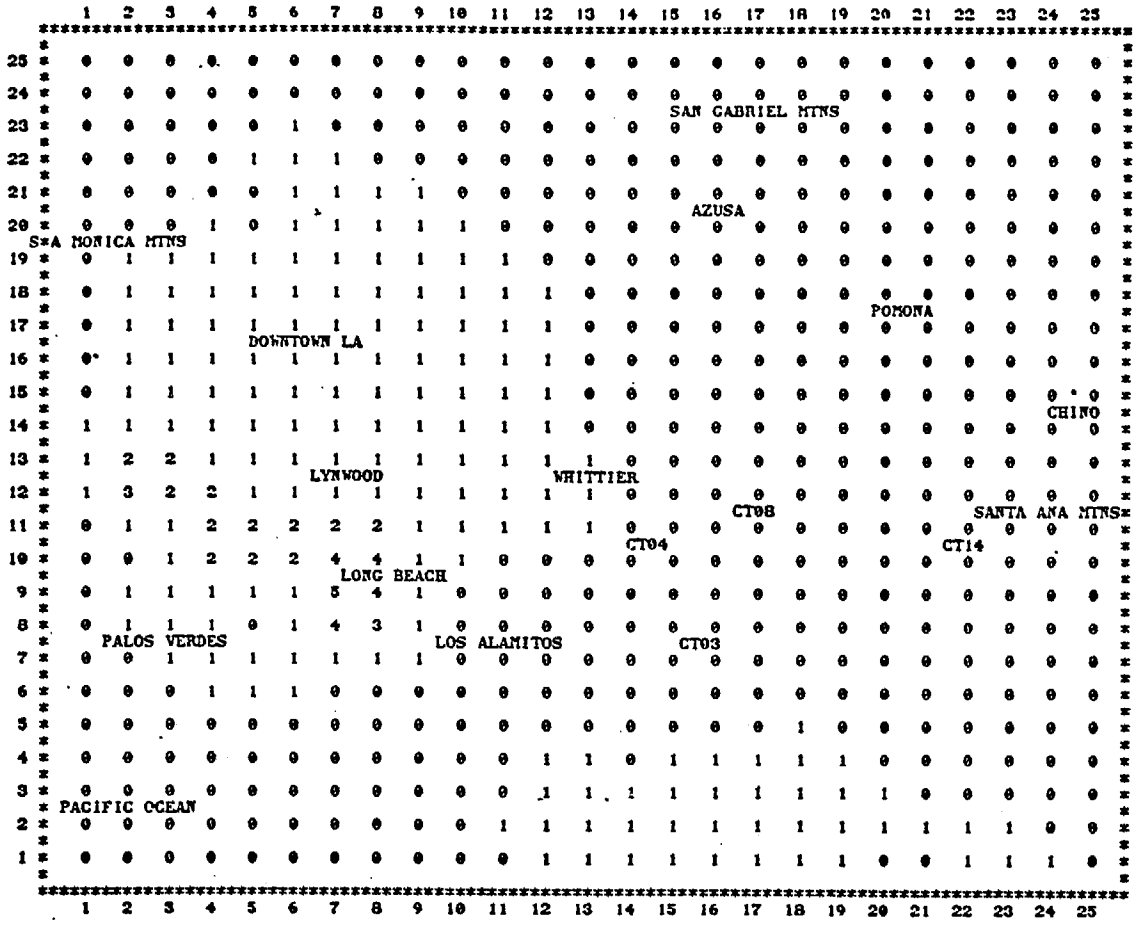
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 BETWEEN THE HOURS OF 1700. AND 1800. PST



MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741001 AVERAGED BETWEEN THE HOURS OF 1700. AND 1800. PST

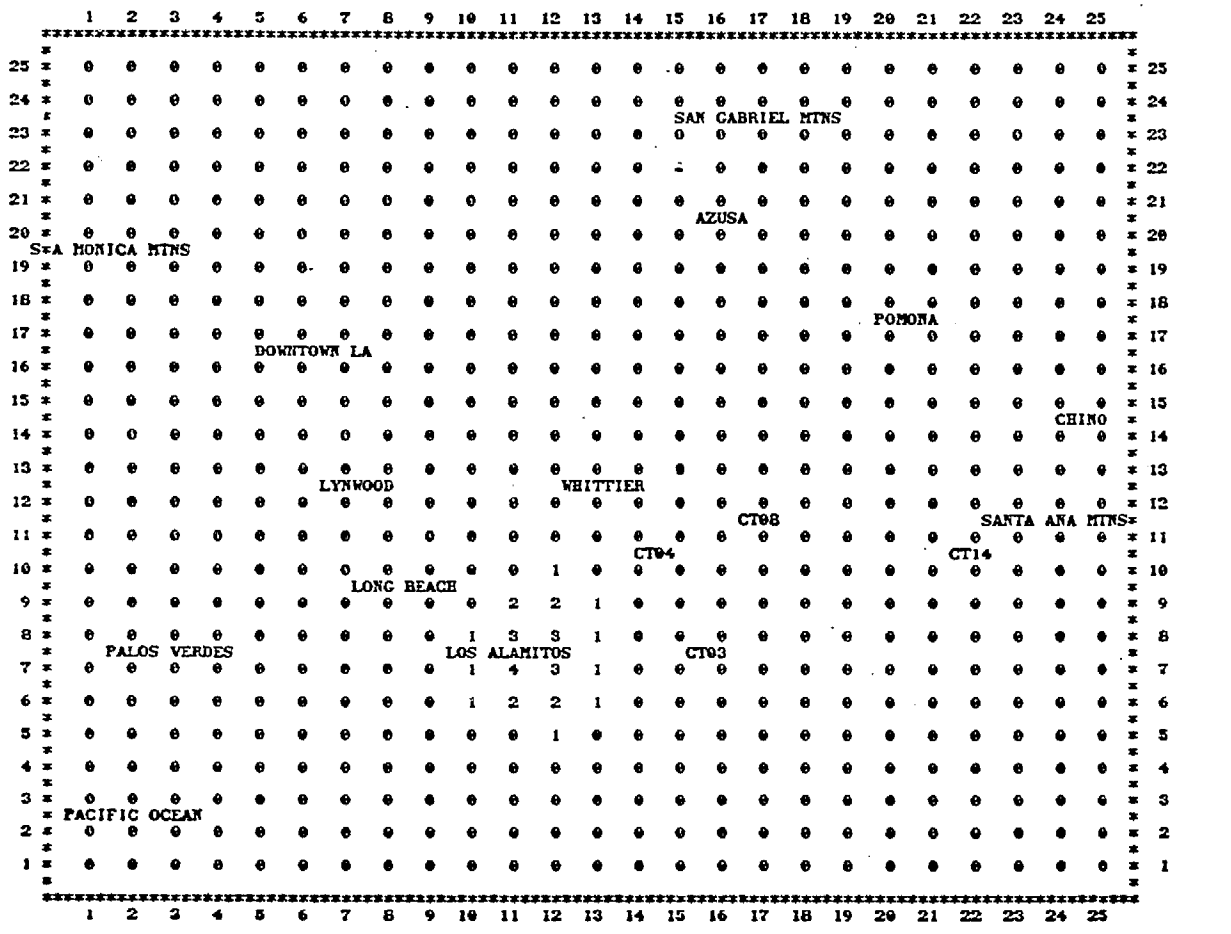


PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741001 BETWEEN THE HOURS OF 700. AND 800. PST

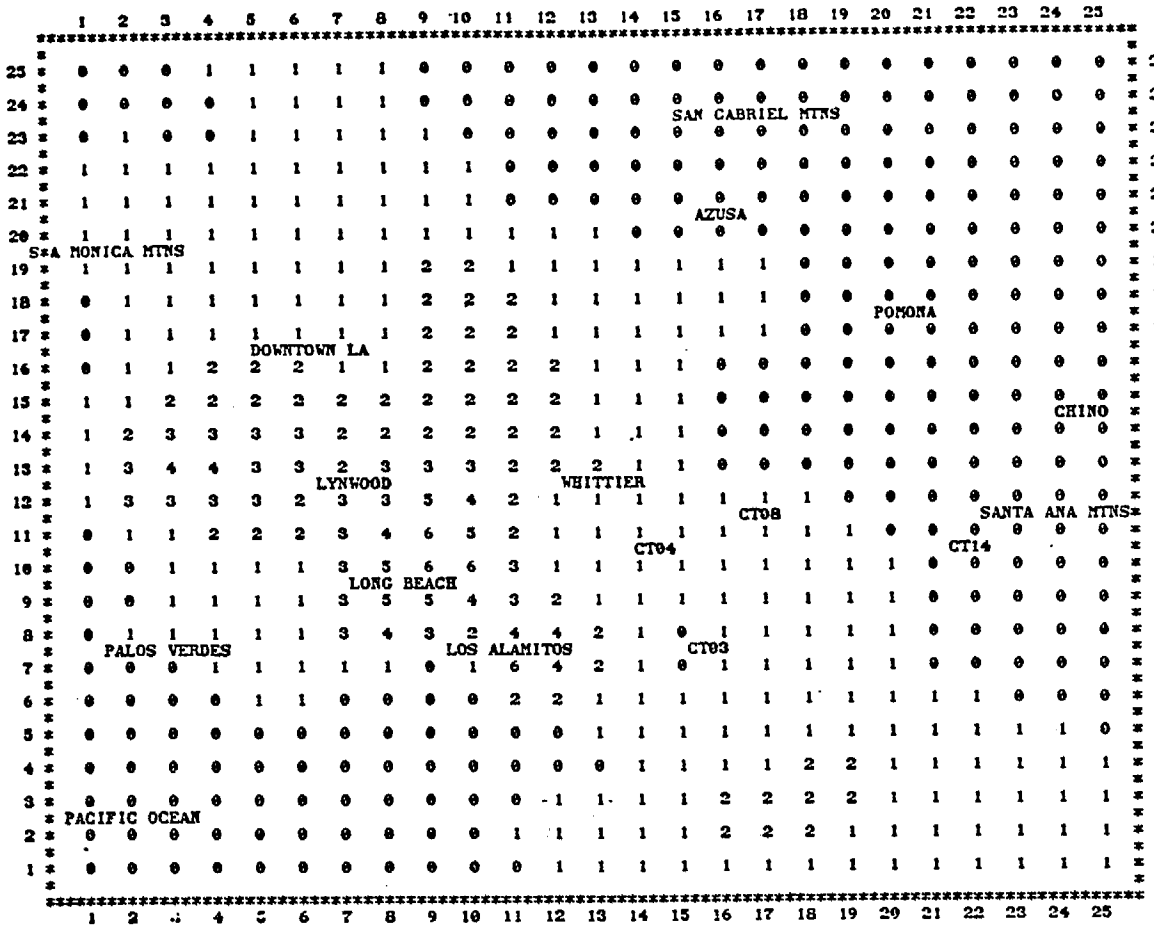


[NO $SO_4^=$ DATA WAS REPORTED FOR THIS HOUR]

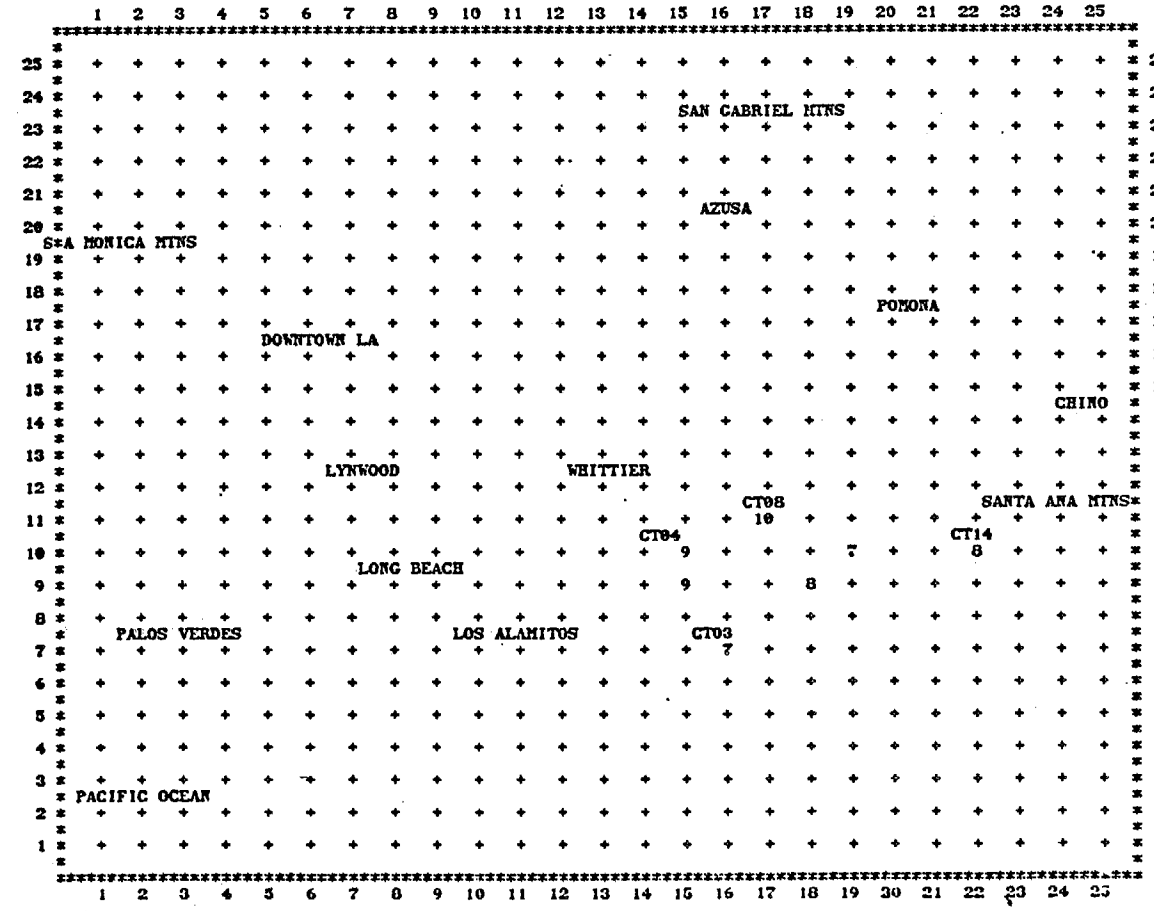
PREDICTED CONCENTRATIONS(PPB) OF SO4 IN THE PLUME ON 741001 BETWEEN THE HOURS OF 900. AND 1000. PST



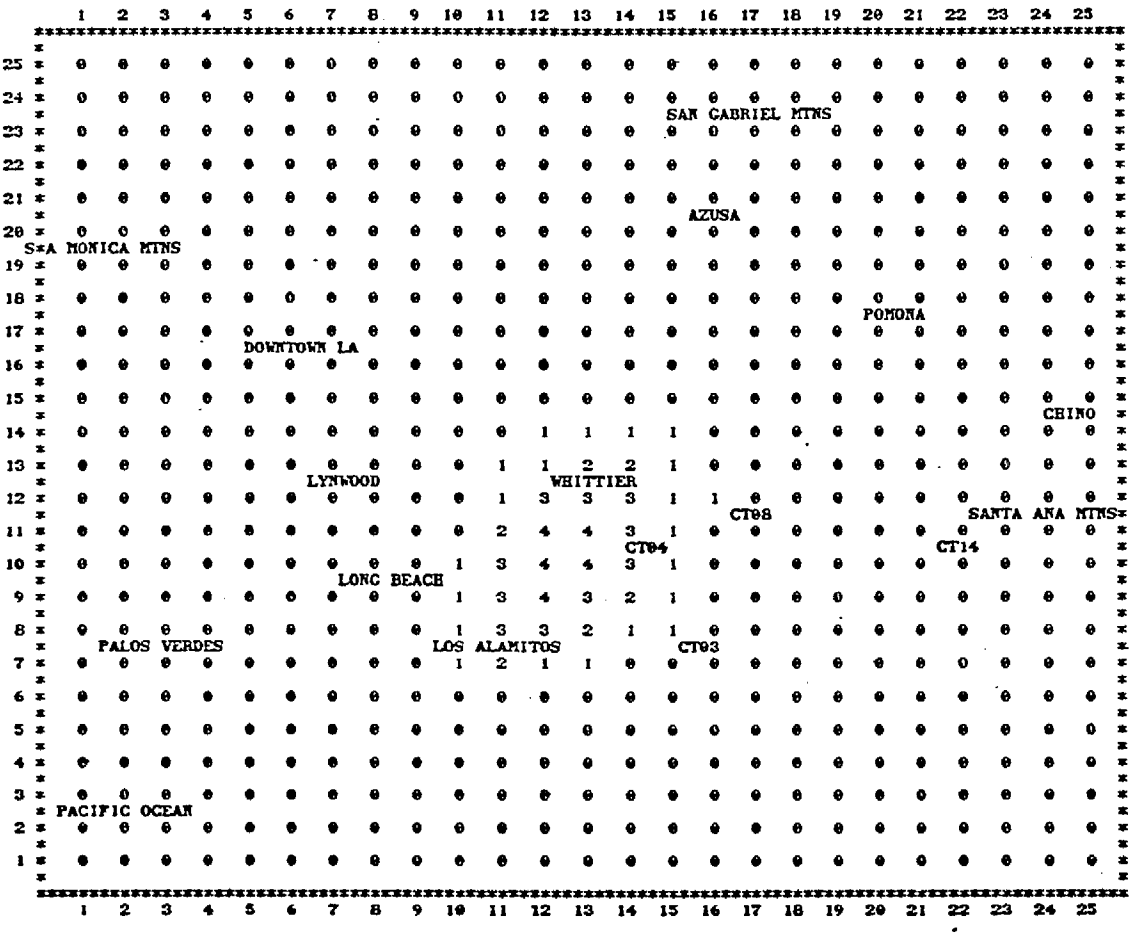
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741001 BETWEEN THE HOURS OF 900. AND 1000. PST



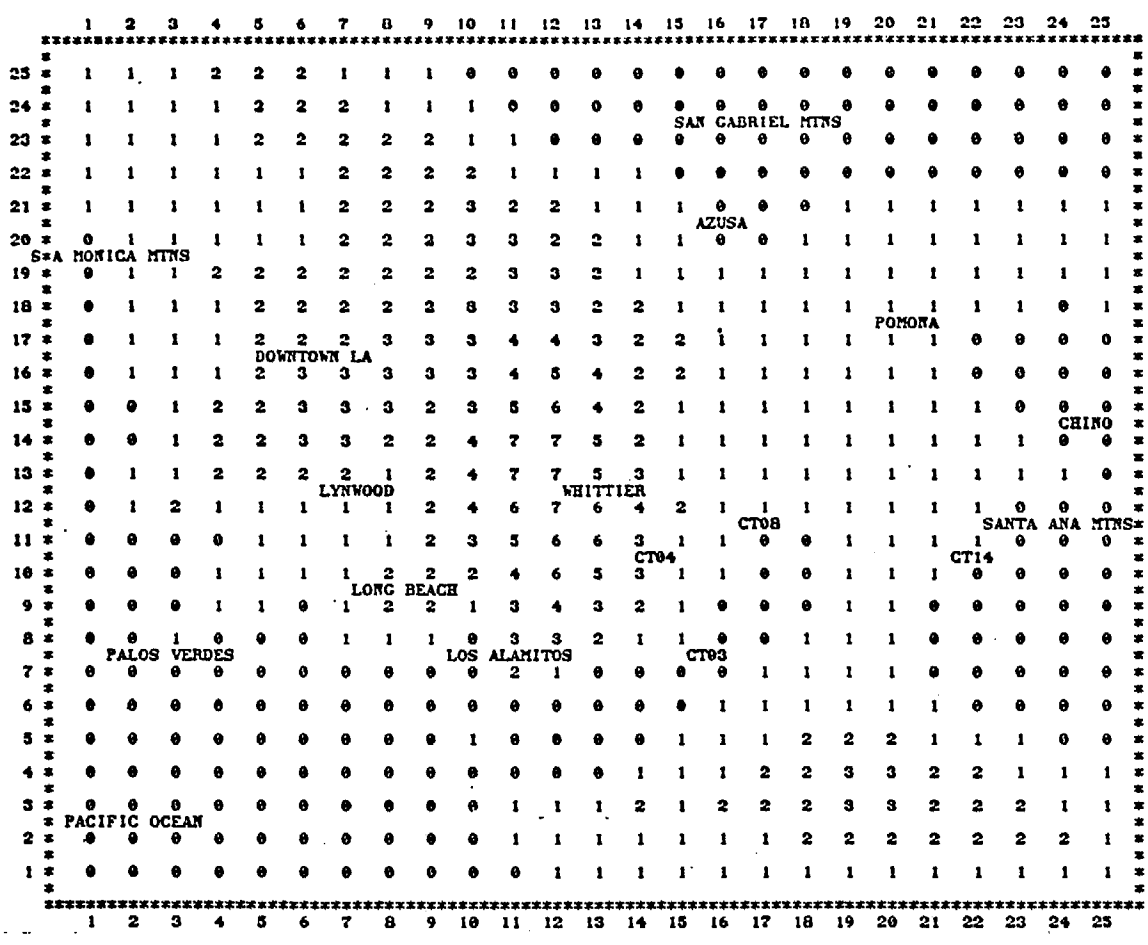
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741001 AVERAGED BETWEEN THE HOURS OF 900. AND 1000. PST



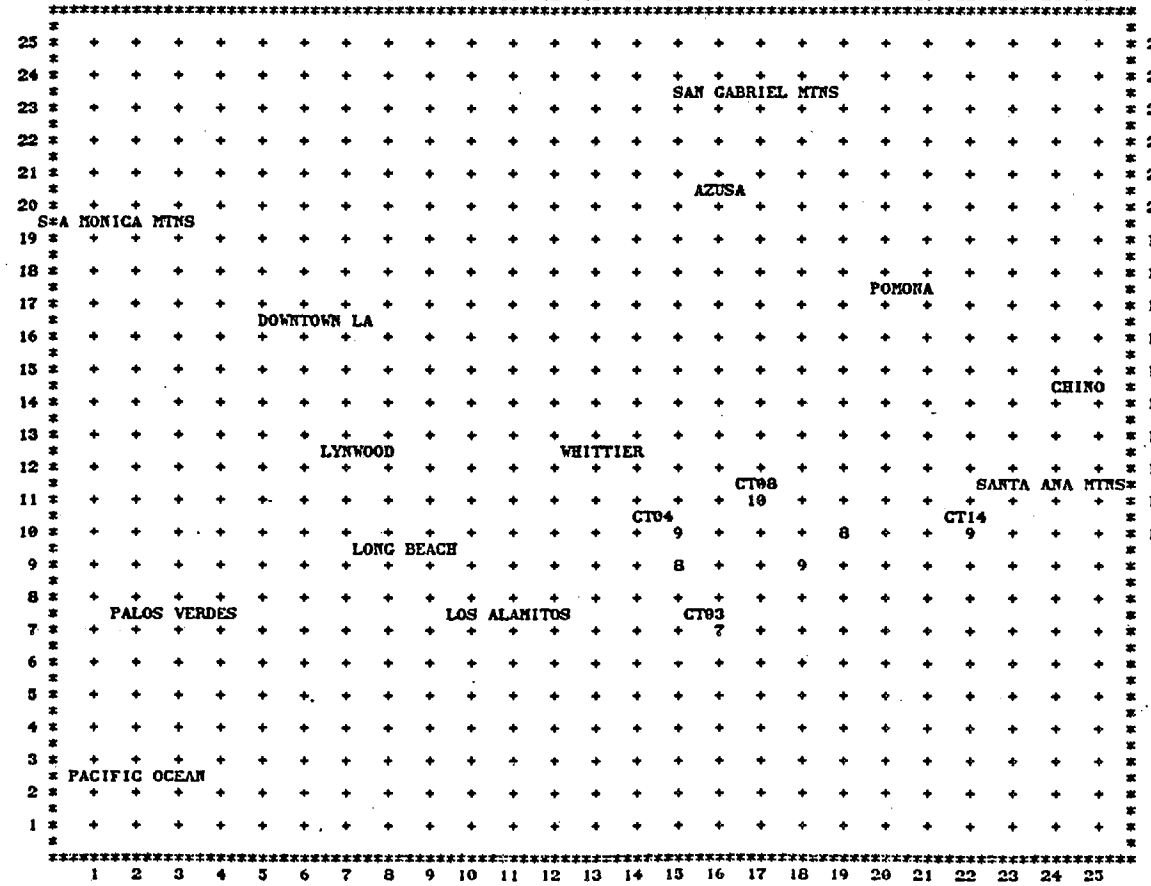
PREDICTED CONCENTRATIONS(PPB) OF SO4 IN THE PLUME ON 741001 BETWEEN THE HOURS OF 1100. AND 1200. PST



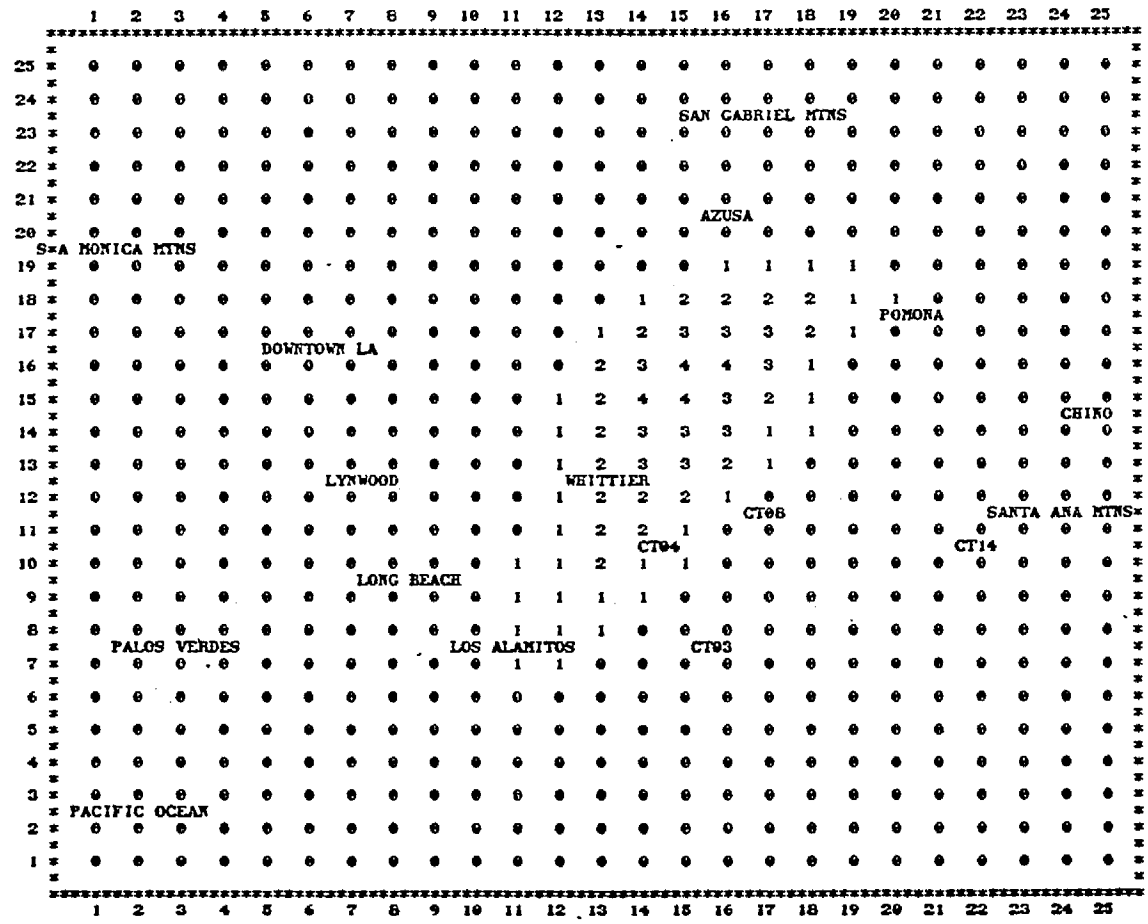
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741001 BETWEEN THE HOURS OF 1100. AND 1200. PST



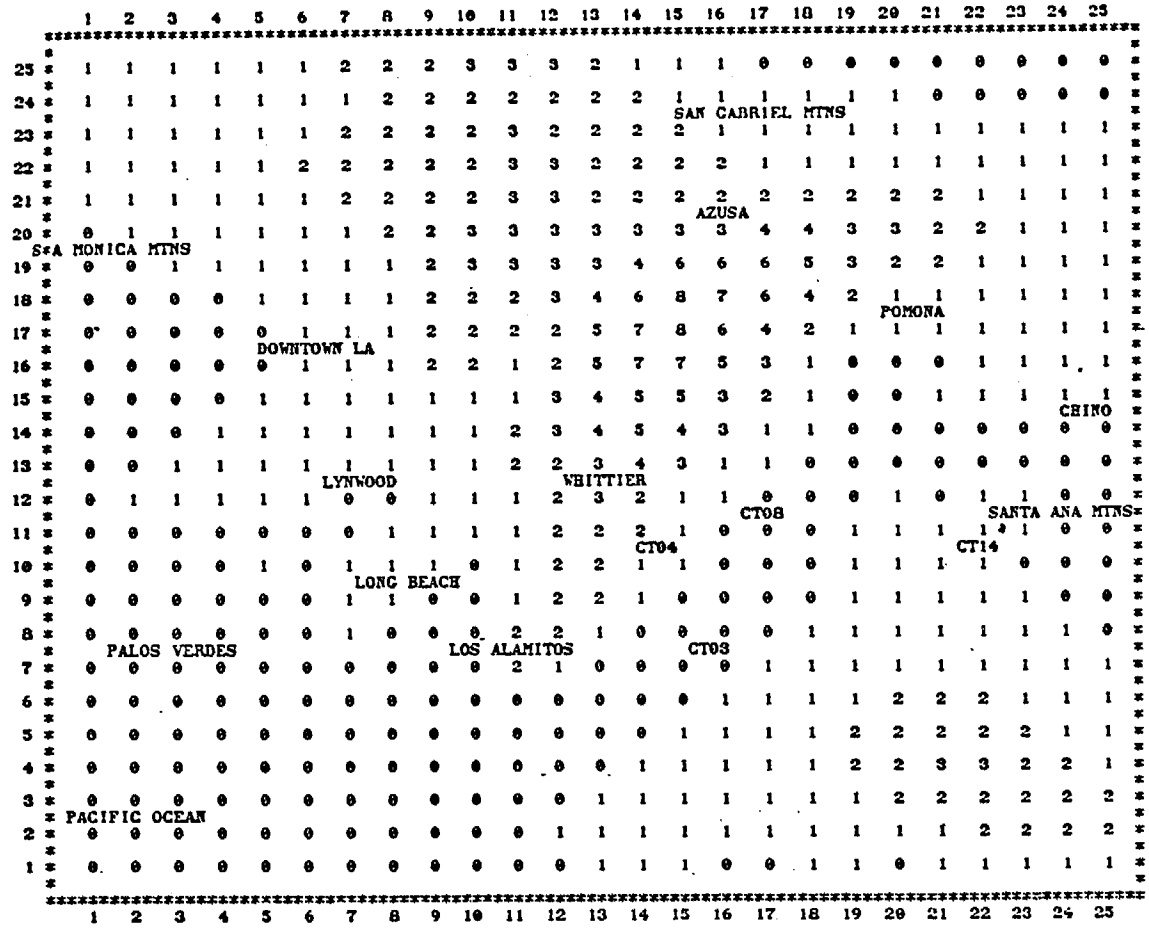
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741001 AVERAGED BETWEEN THE HOURS OF 1100. AND 1200. PST



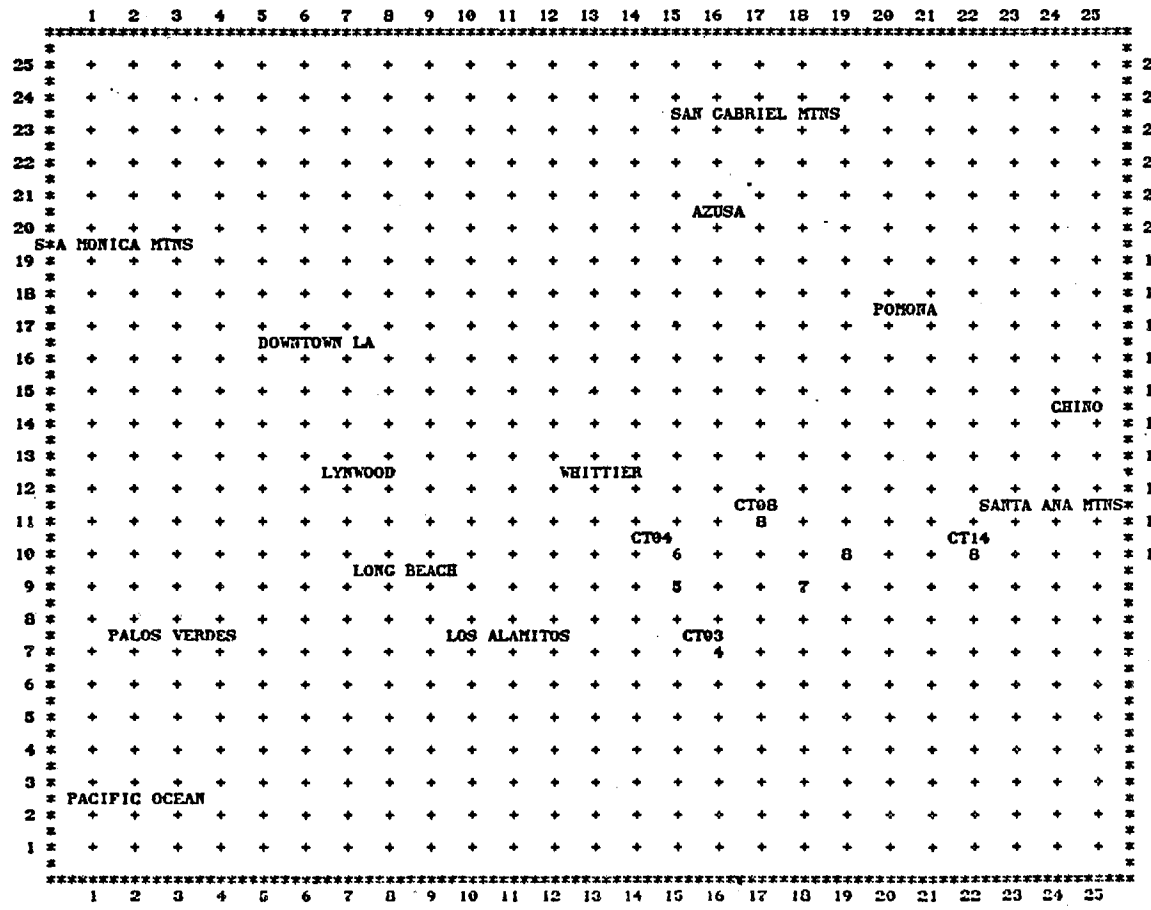
PREDICTED CONCENTRATIONS(PPB) OF SO4 IN THE PLUME ON 741001 BETWEEN THE HOURS OF 1300. AND 1400. PST



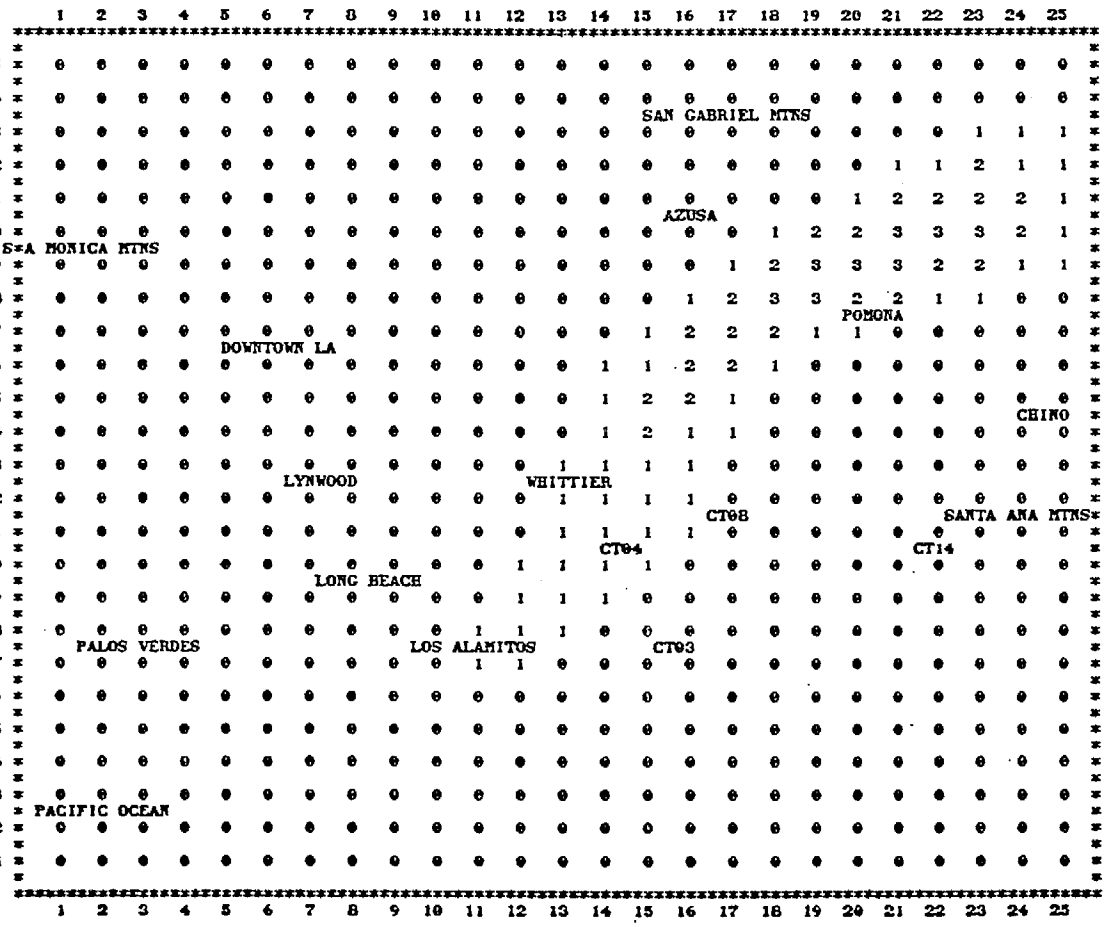
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741001 BETWEEN THE HOURS OF 1300. AND 1400. PST



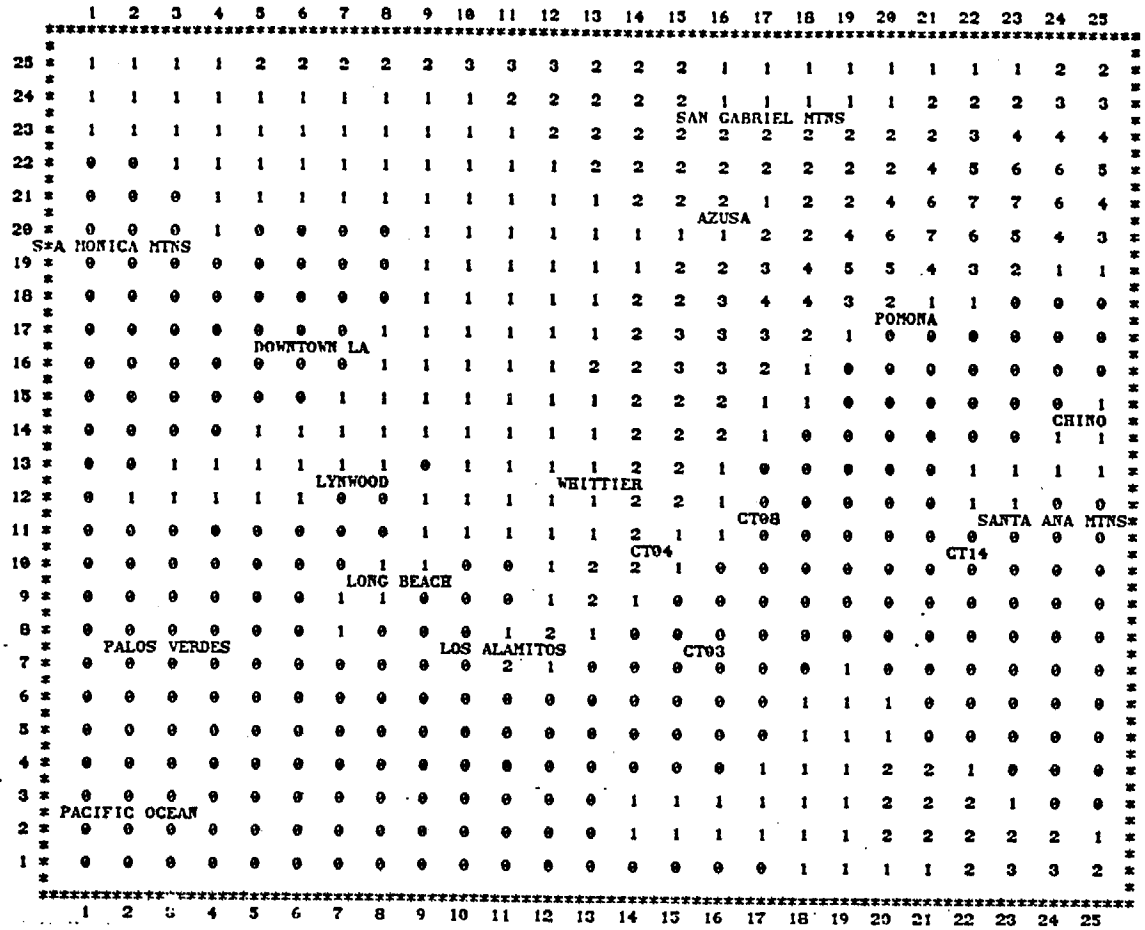
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741001 AVERAGED BETWEEN THE HOURS OF 1300. AND 1400. PST



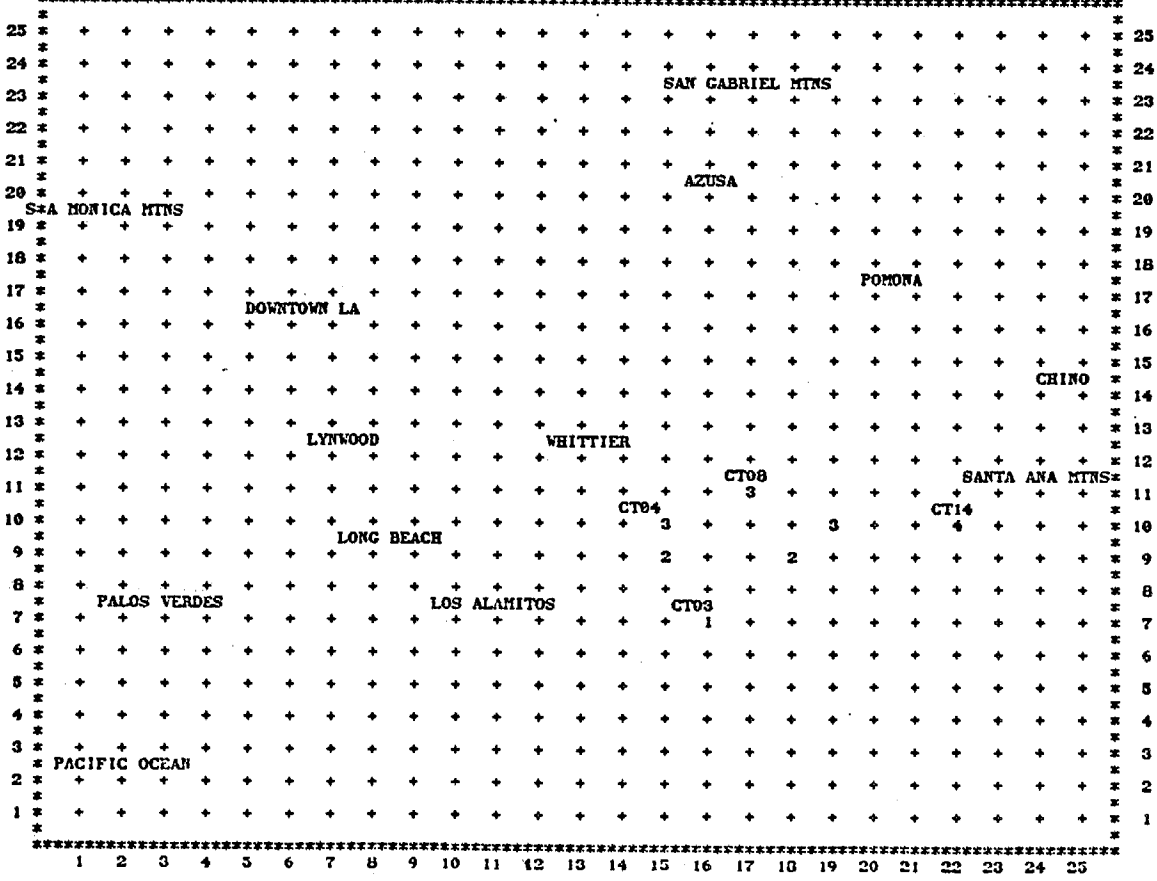
PREDICTED CONCENTRATIONS(PPB) OF SO4 IN THE PLUME ON 741001 BETWEEN THE HOURS OF 1500. AND 1600. PST



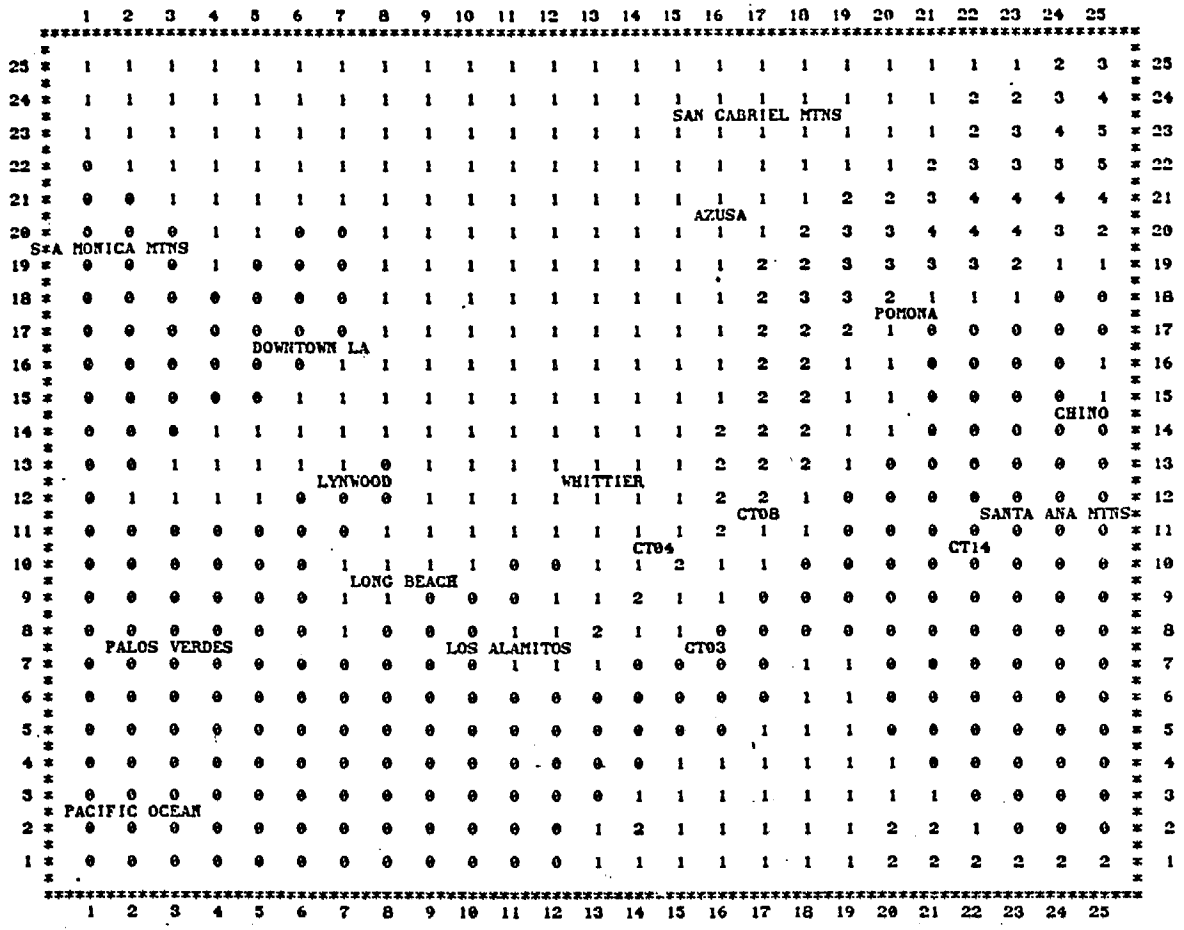
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741001 BETWEEN THE HOURS OF 1500. AND 1600. PST



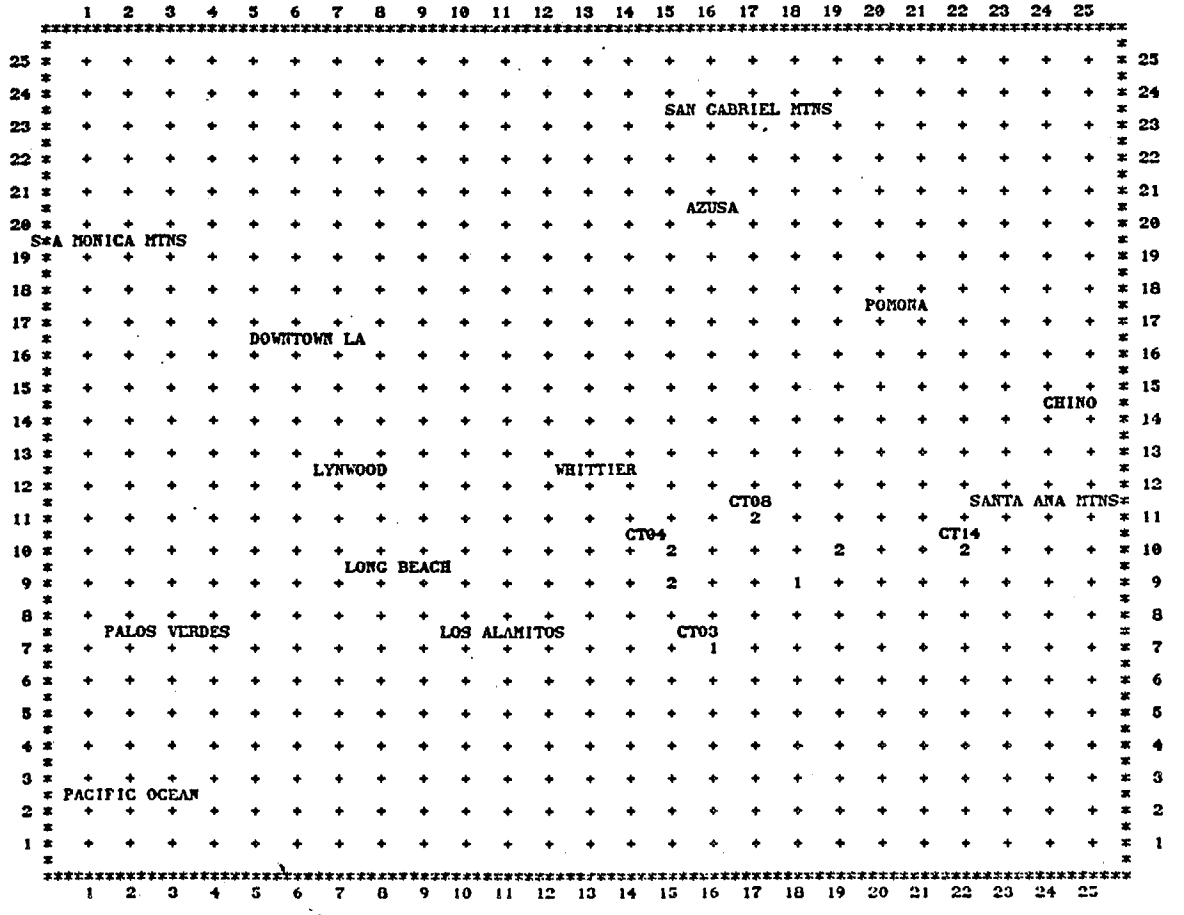
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741001 AVERAGED BETWEEN THE HOURS OF 1500. AND 1600. PST



PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741001 BETWEEN THE HOURS OF 1700. AND 1800. PST



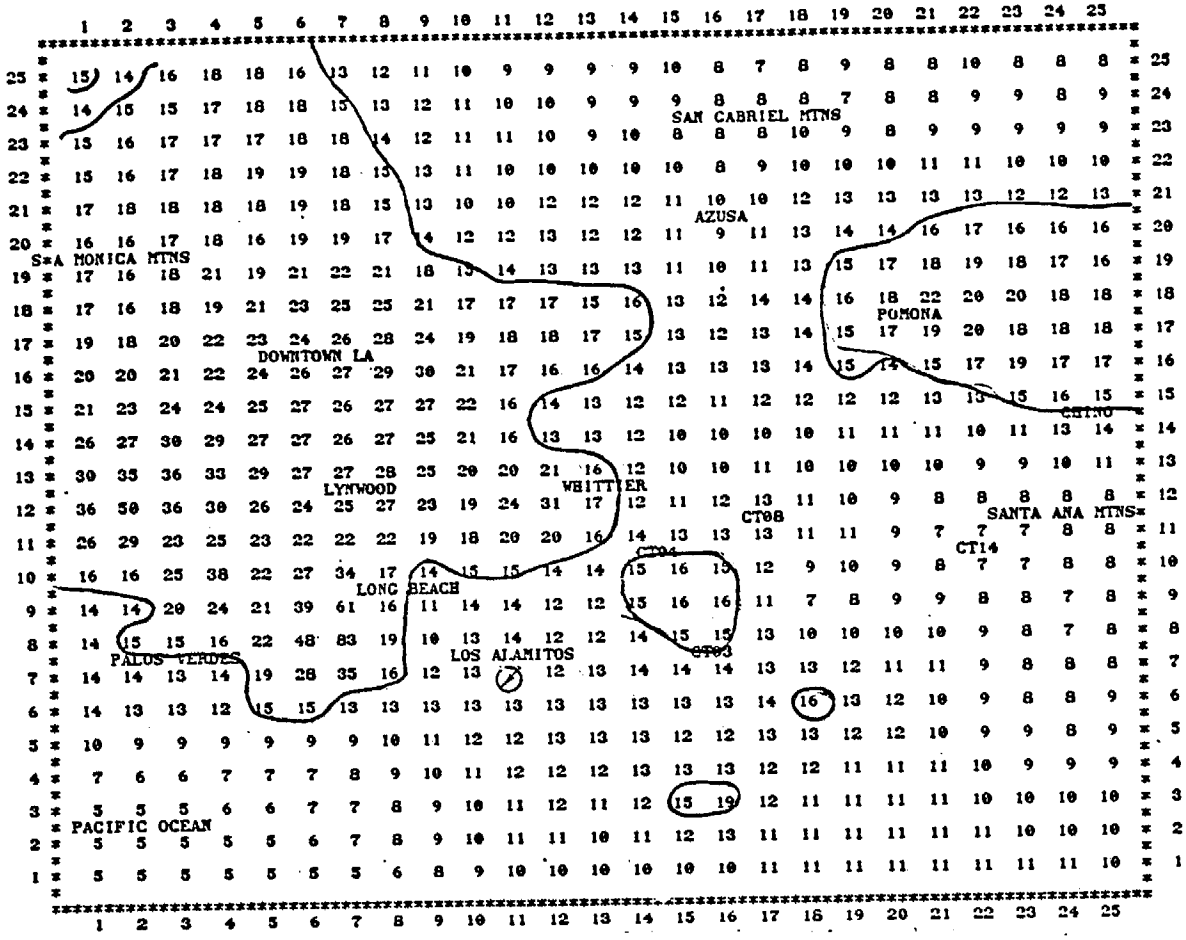
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741001 AVERAGED BETWEEN THE HOURS OF 1700. AND 1800. PST



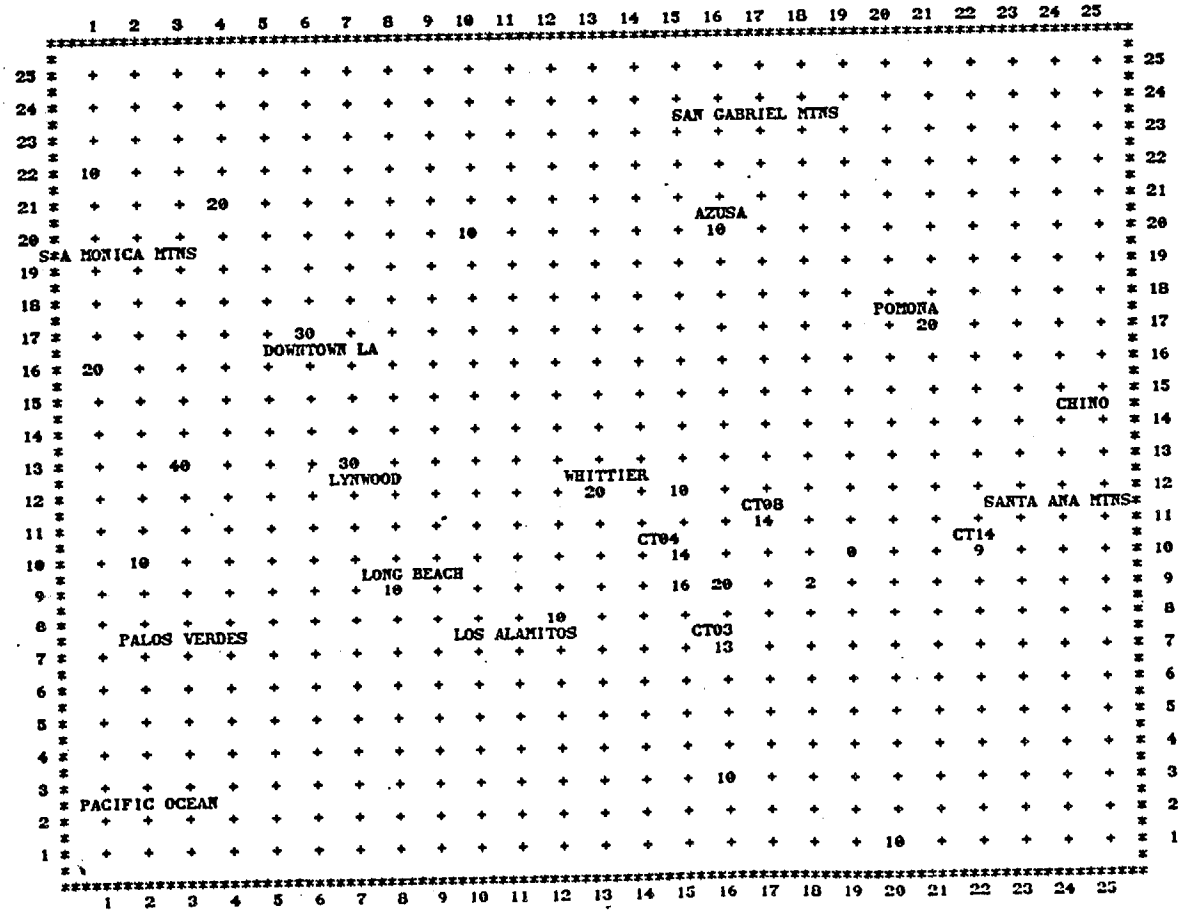
11 OCTOBER 1974

LOS ALAMITOS AND HAYNES

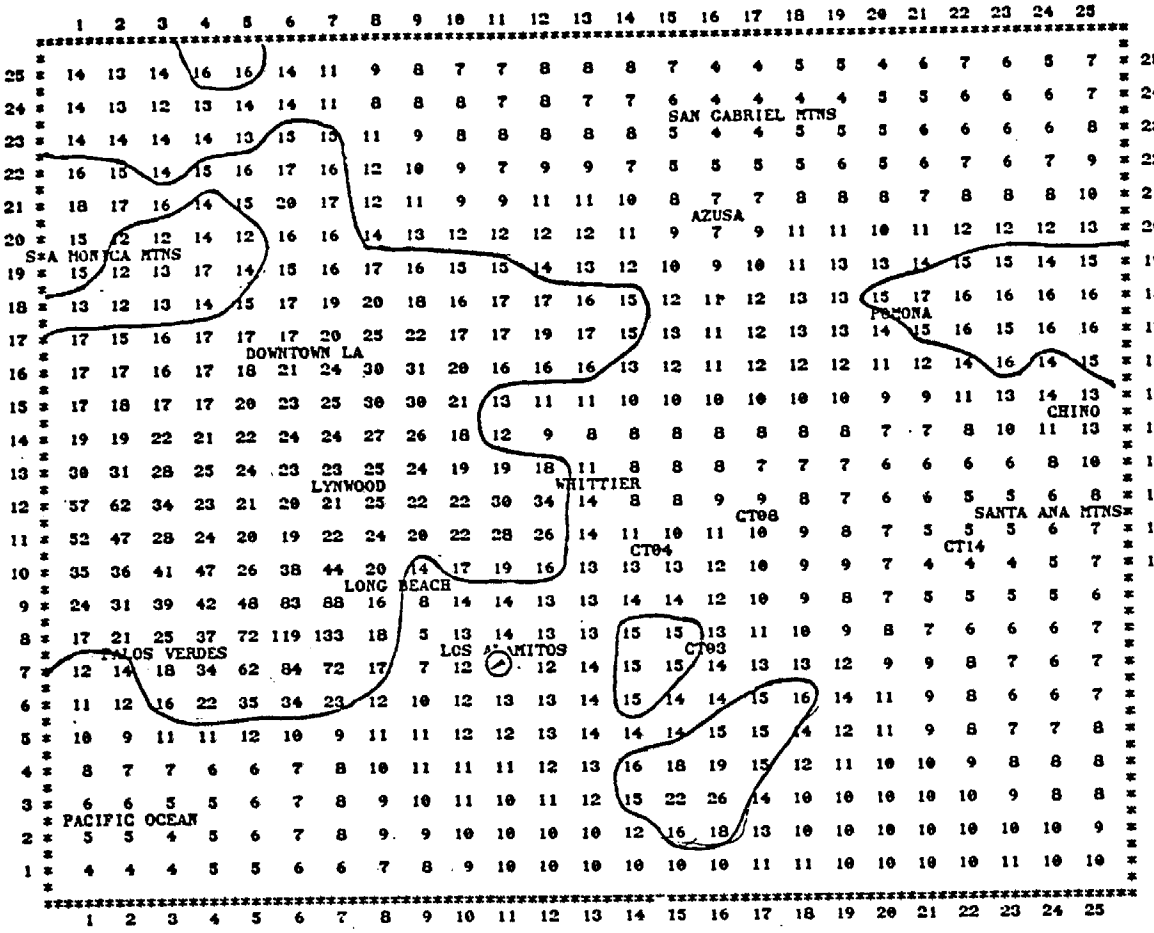
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 BETWEEN THE HOURS OF 600. AND 700. PST



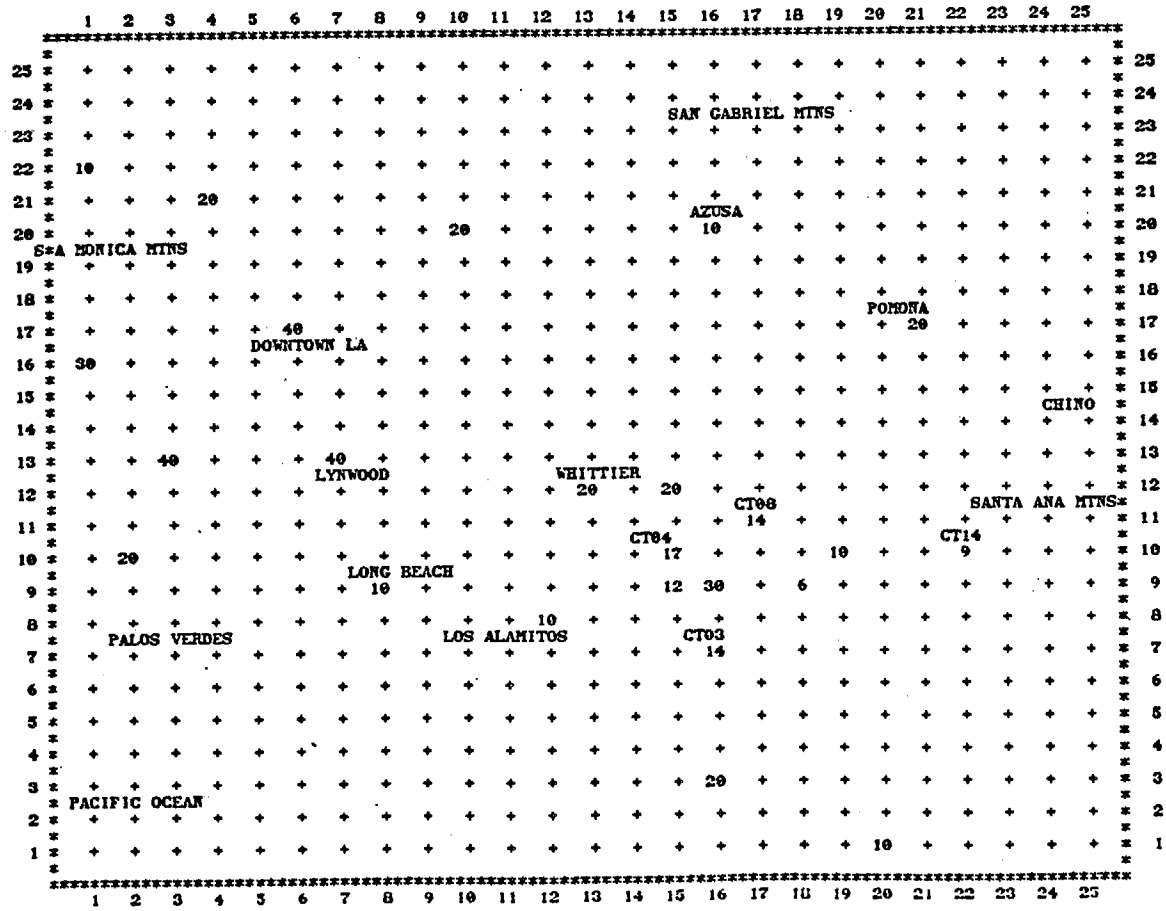
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 AVERAGED BETWEEN THE HOURS OF 600. AND 700. PST



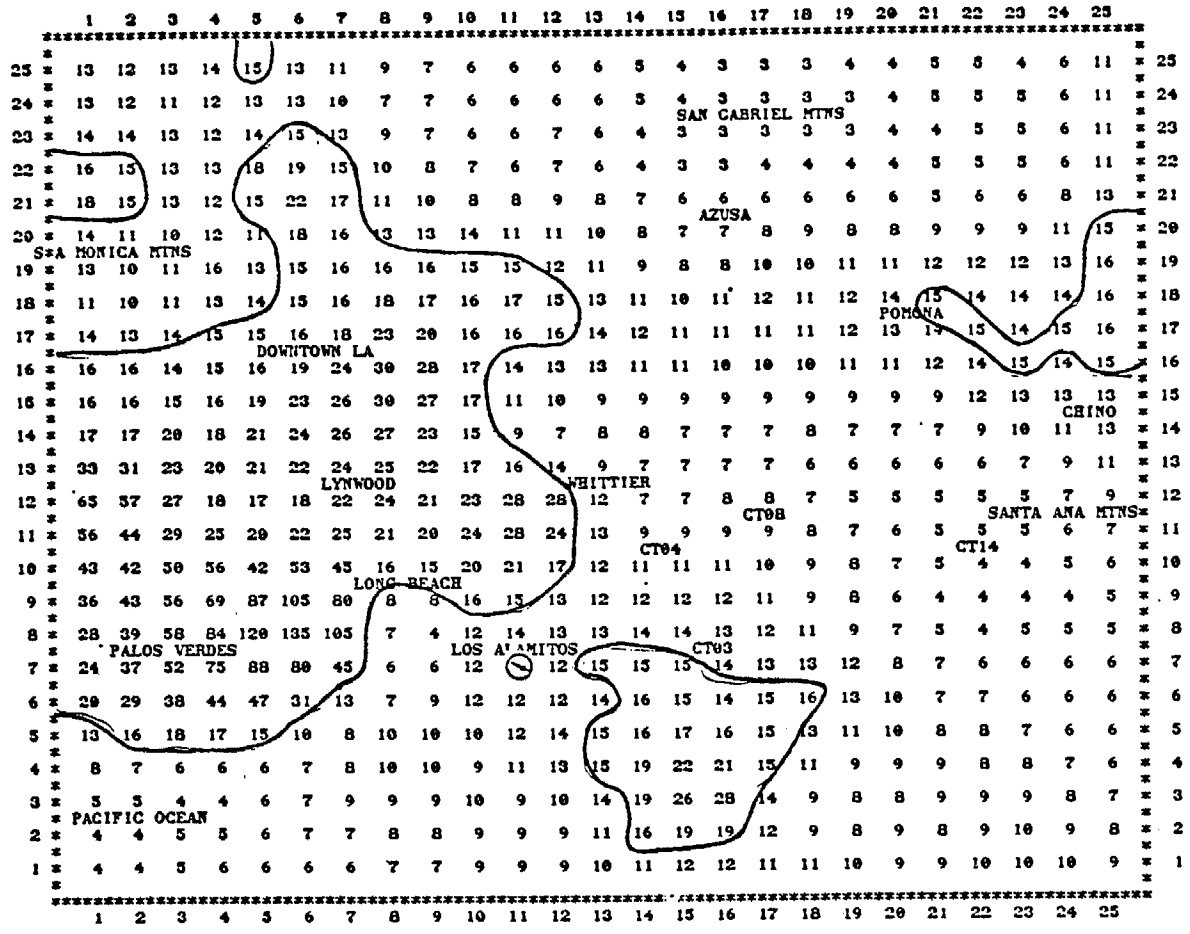
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 BETWEEN THE HOURS OF 700. AND 800. PST



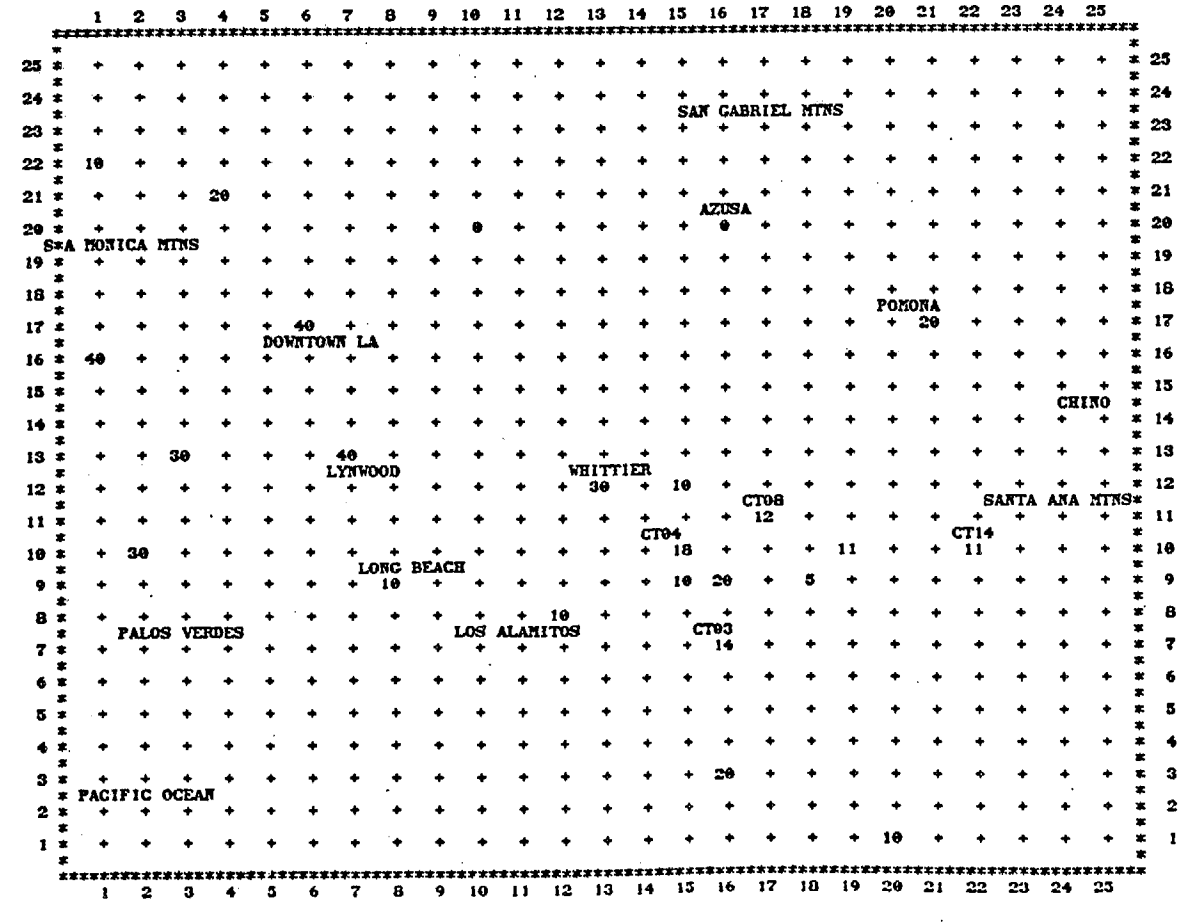
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 AVERAGED BETWEEN THE HOURS OF 700. AND 800. PST



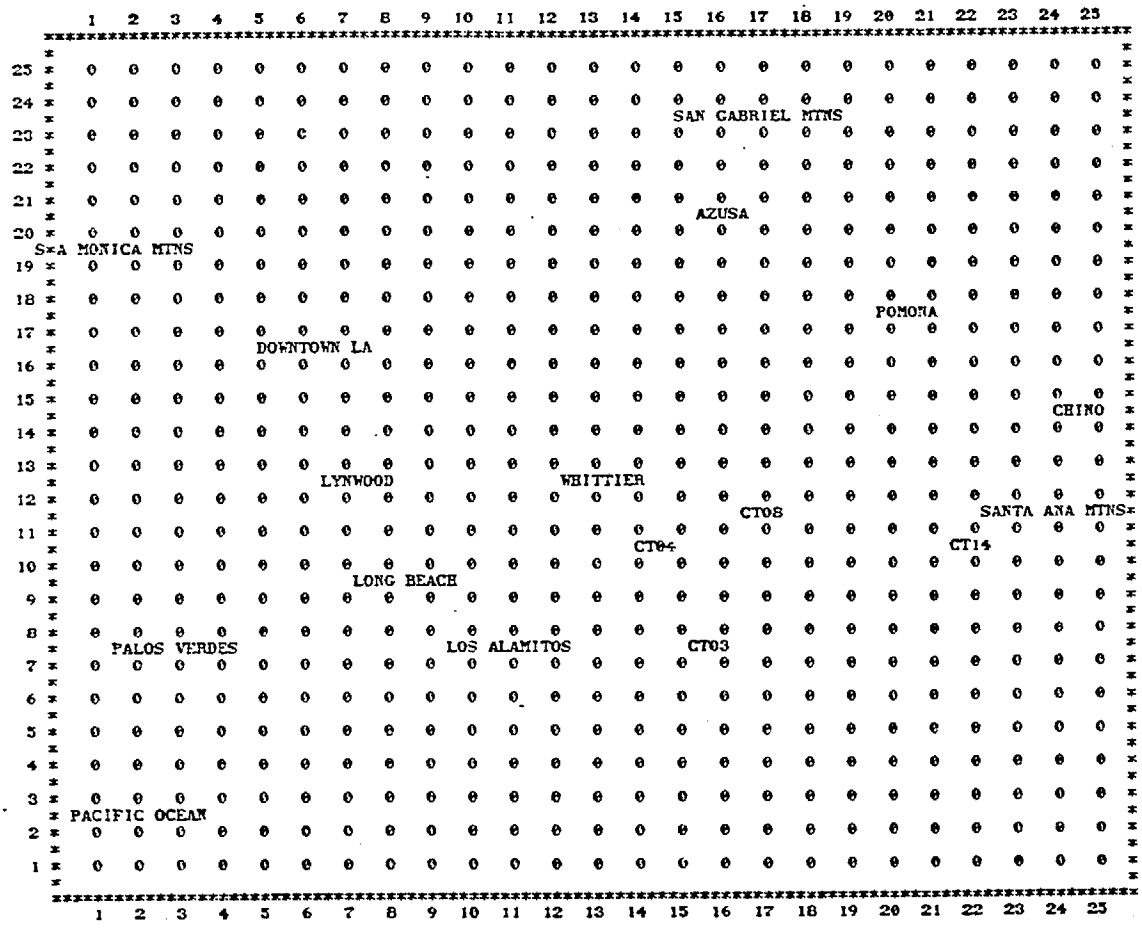
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 BETWEEN THE HOURS OF 800. AND 900. PST



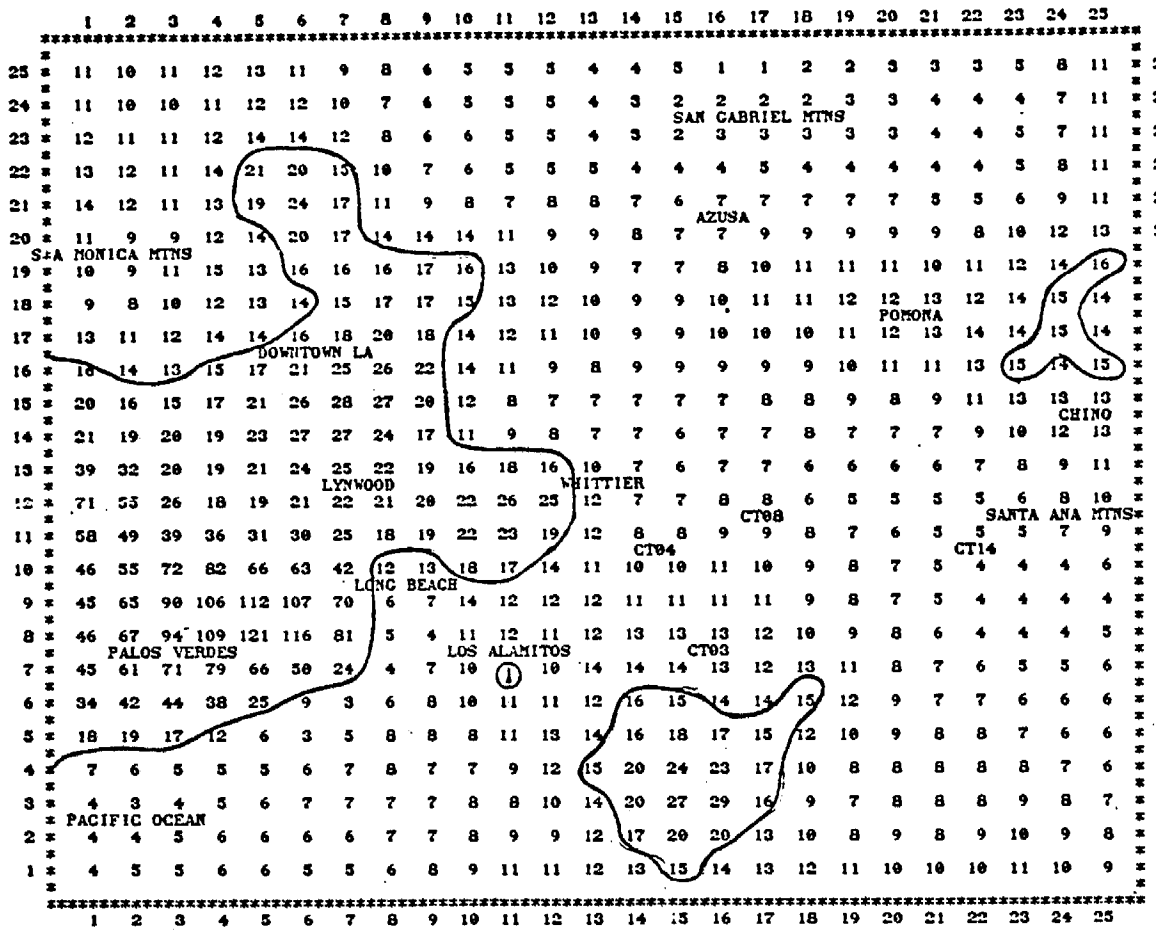
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 AVERAGED BETWEEN THE HOURS OF 800. AND 900. PST



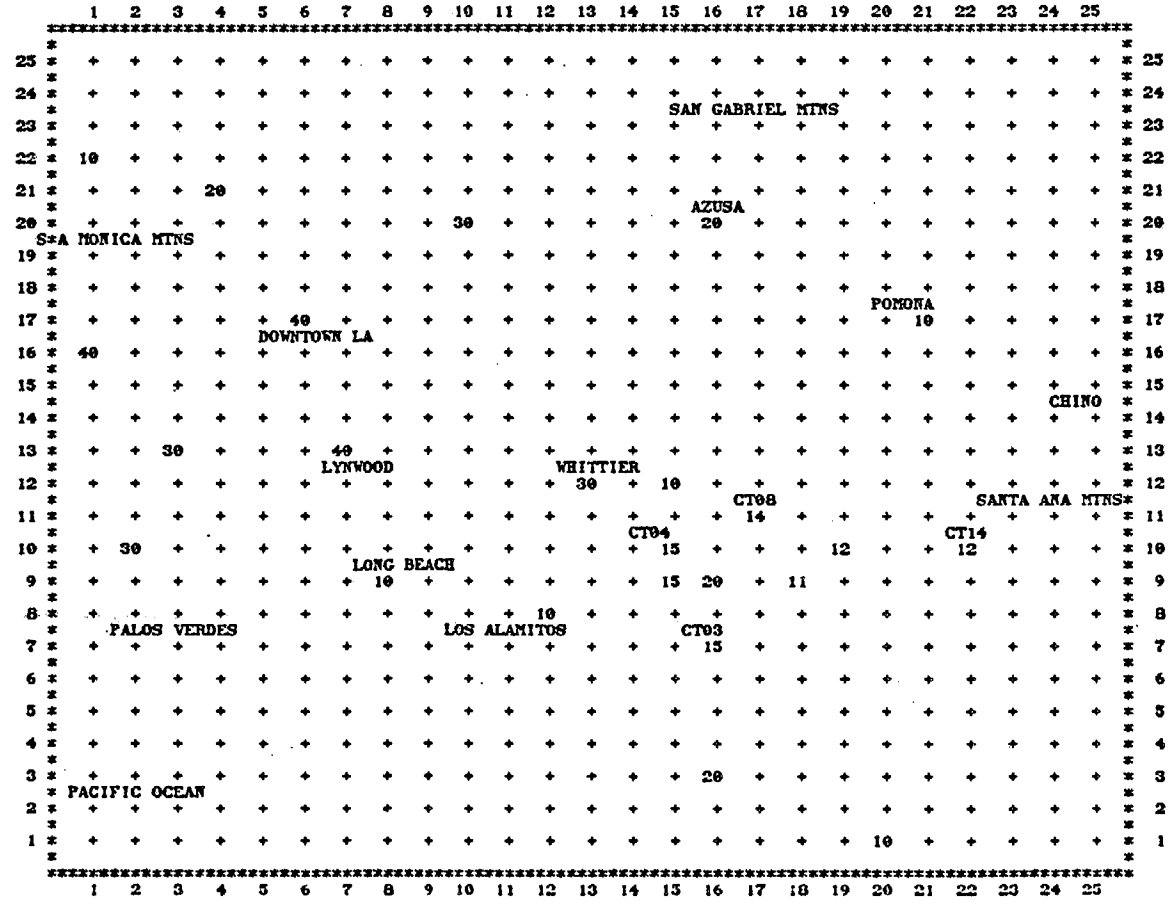
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741011 BETWEEN THE HOURS OF 900. AND 1000. PST



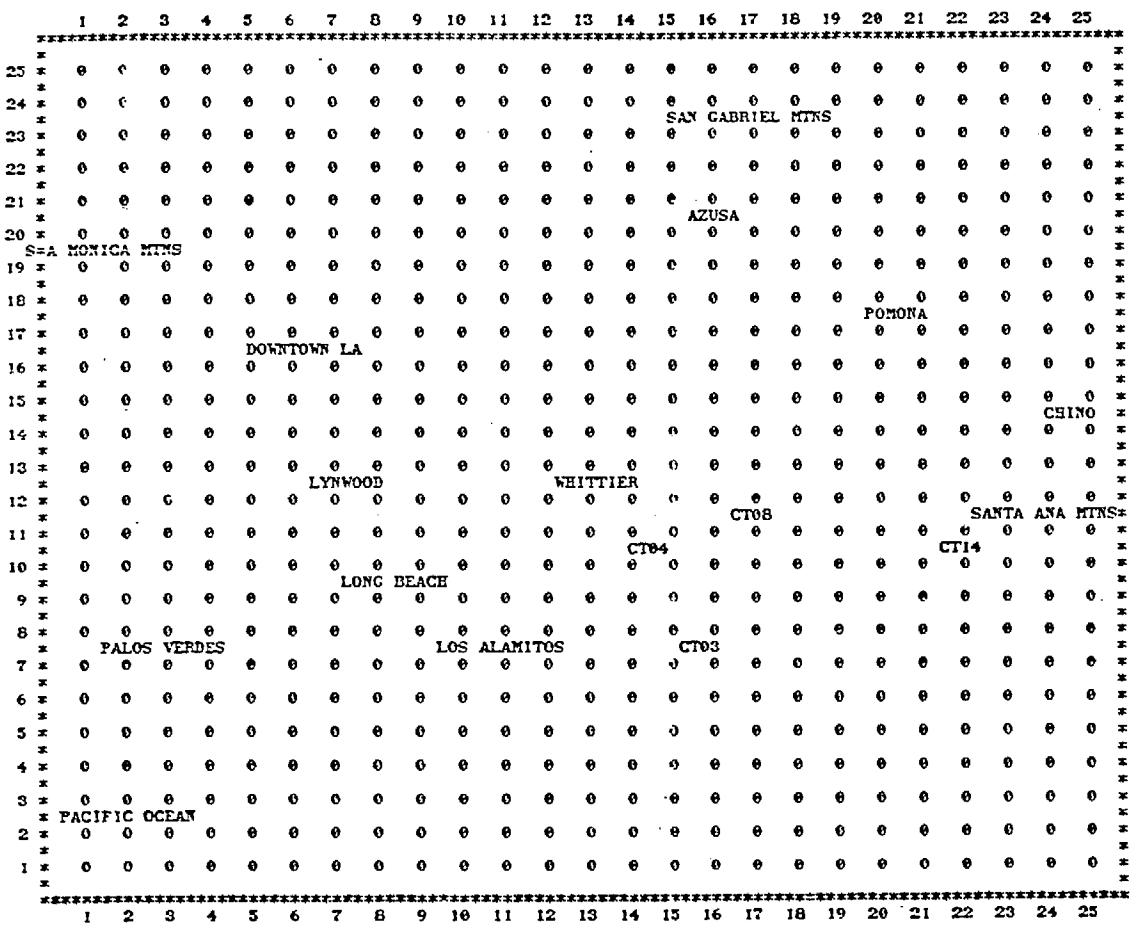
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 BETWEEN THE HOURS OF 900. AND 1000. PST



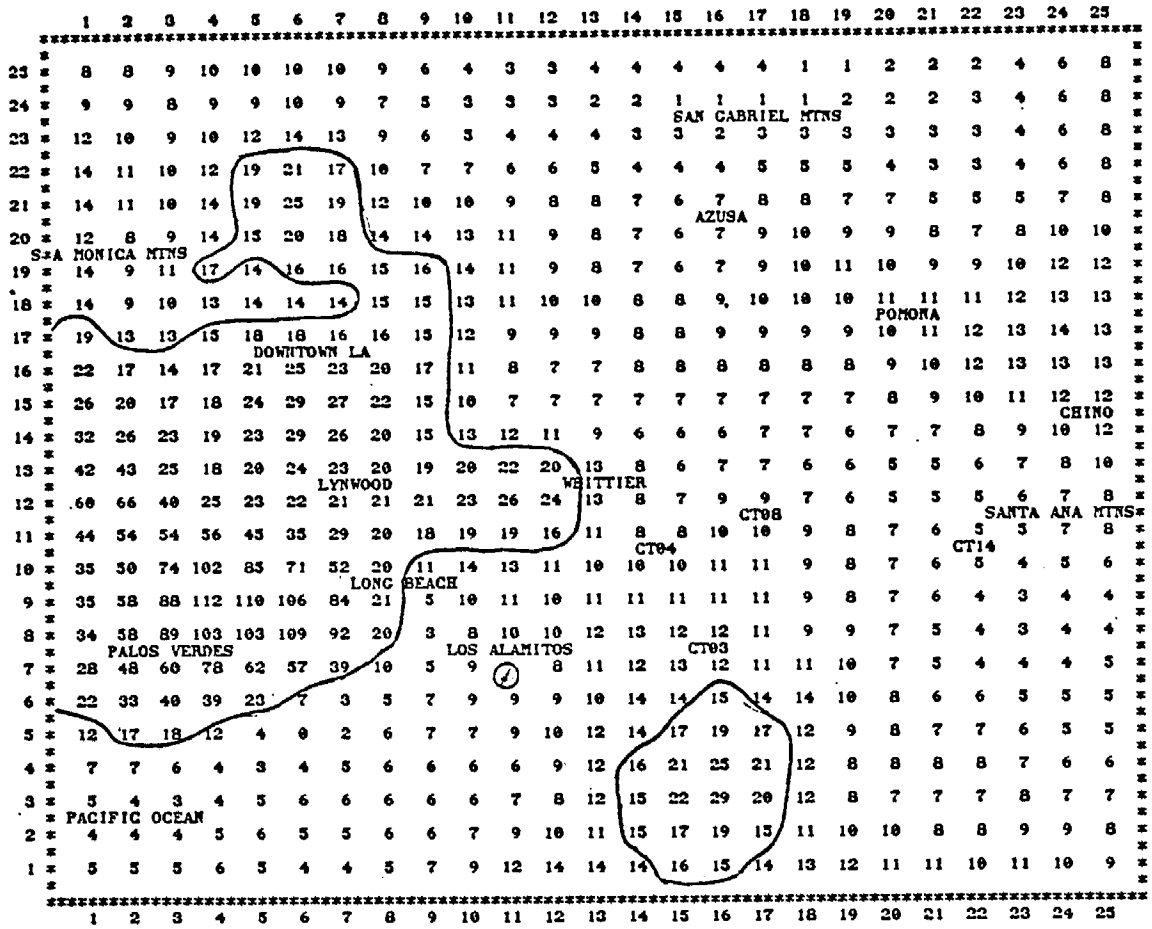
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 AVERAGED BETWEEN THE HOURS OF 900. AND 1000. PST



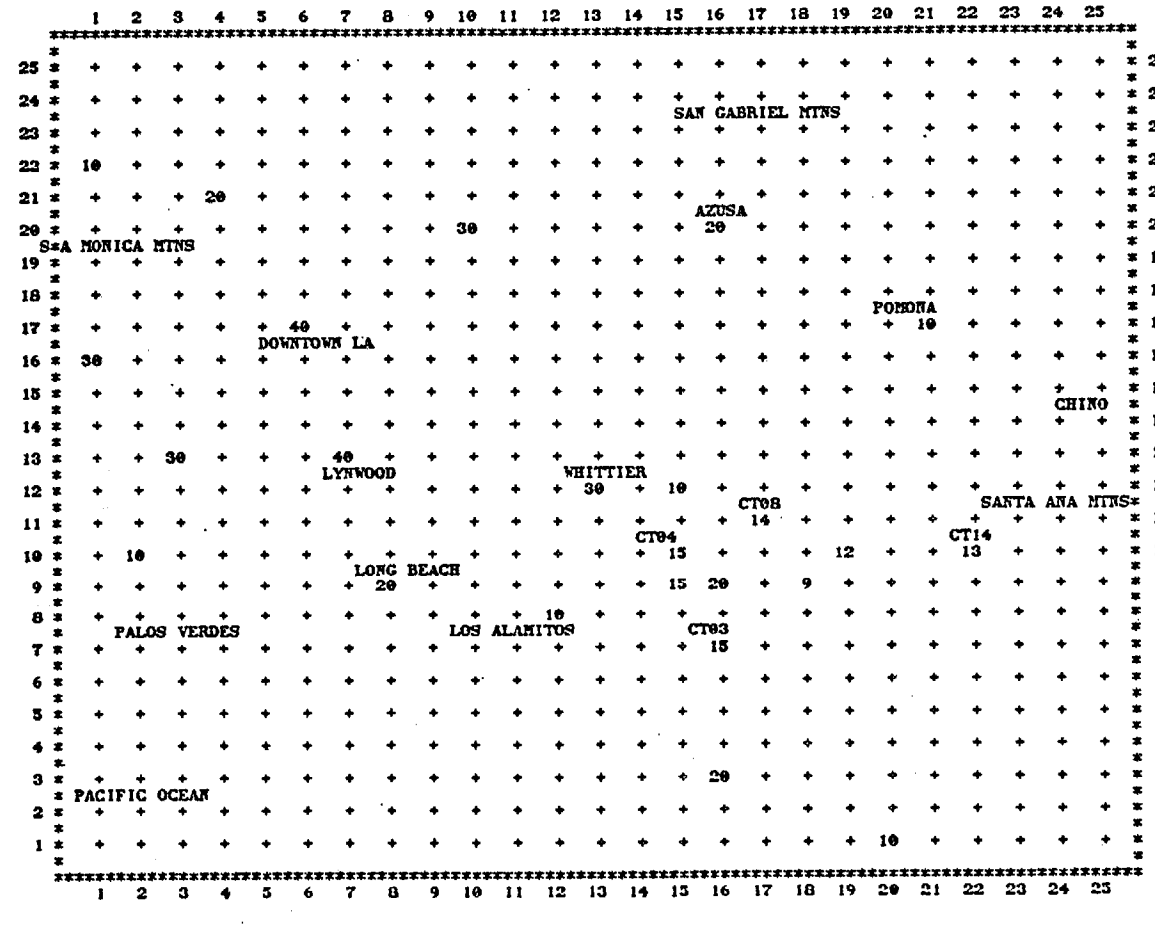
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741011 BETWEEN THE HOURS OF 1000. AND 1100. PST



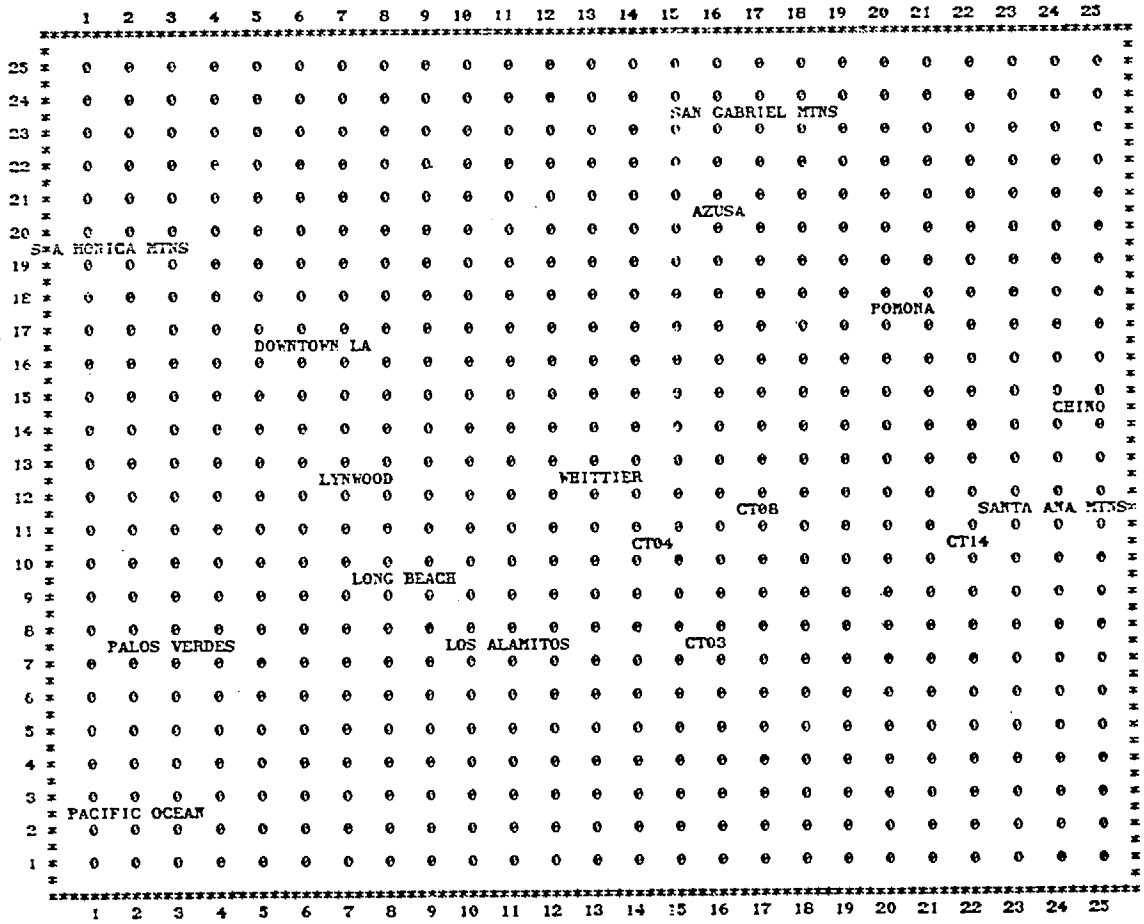
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 BETWEEN THE HOURS OF 1000. AND 1100. PST



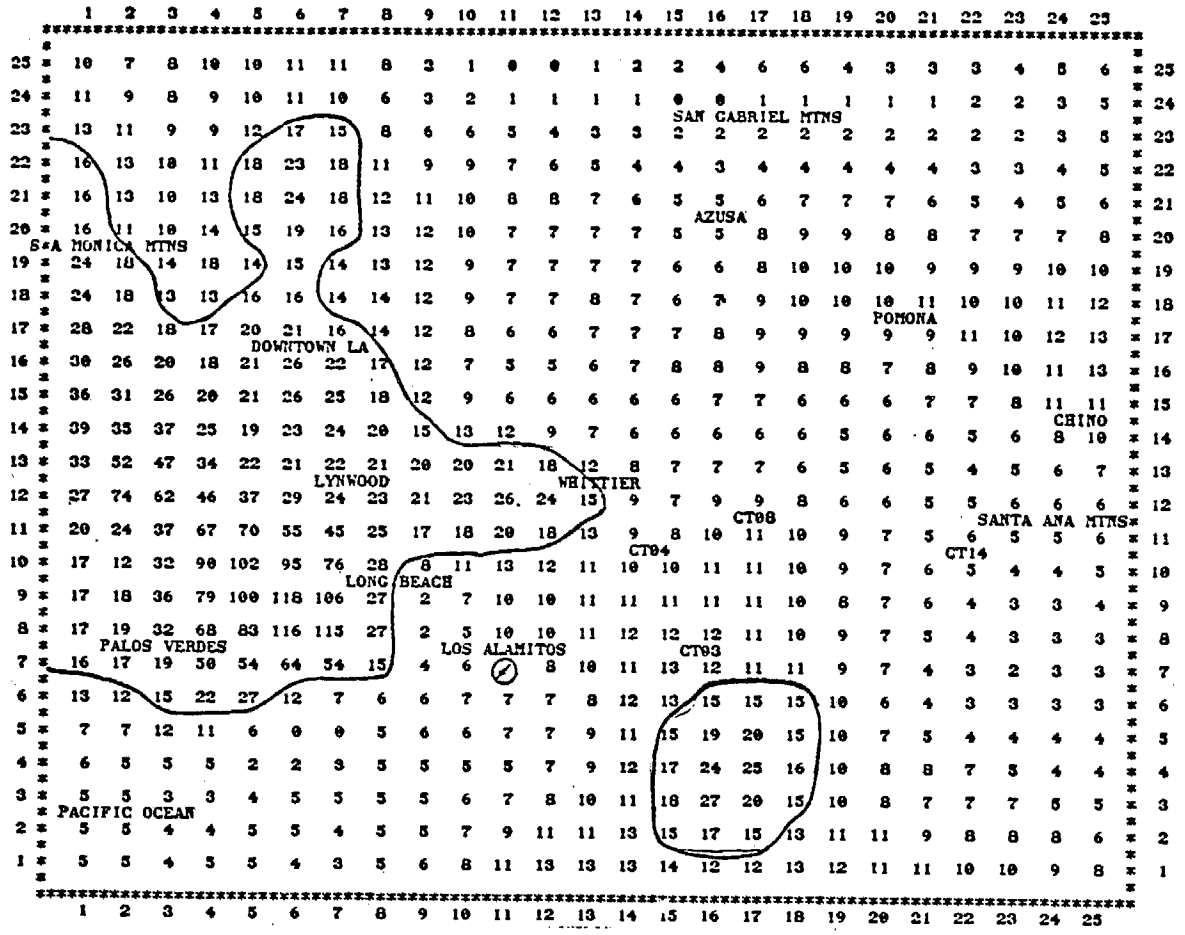
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 AVERAGED BETWEEN THE HOURS OF 1000. AND 1100. PST



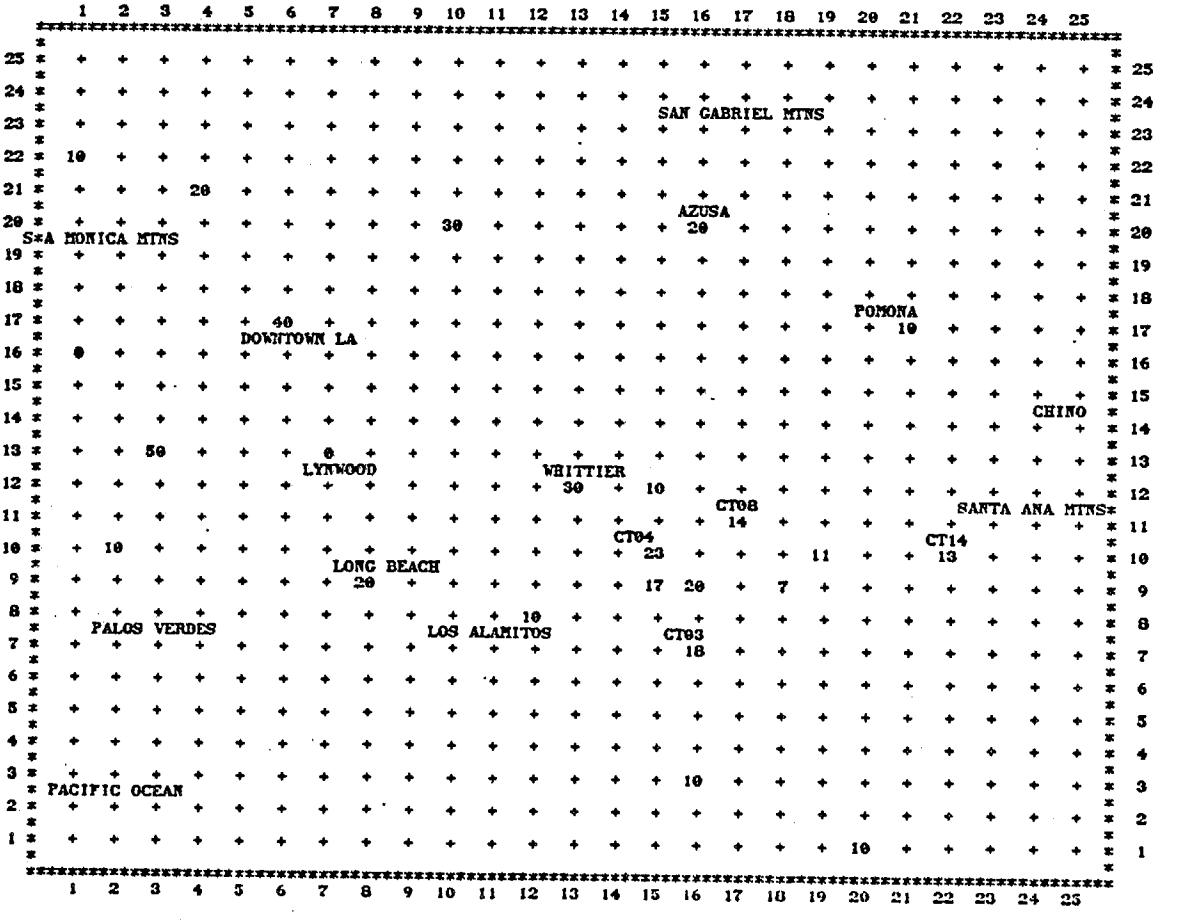
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741011 BETWEEN THE HOURS OF 1100. AND 1200. PST



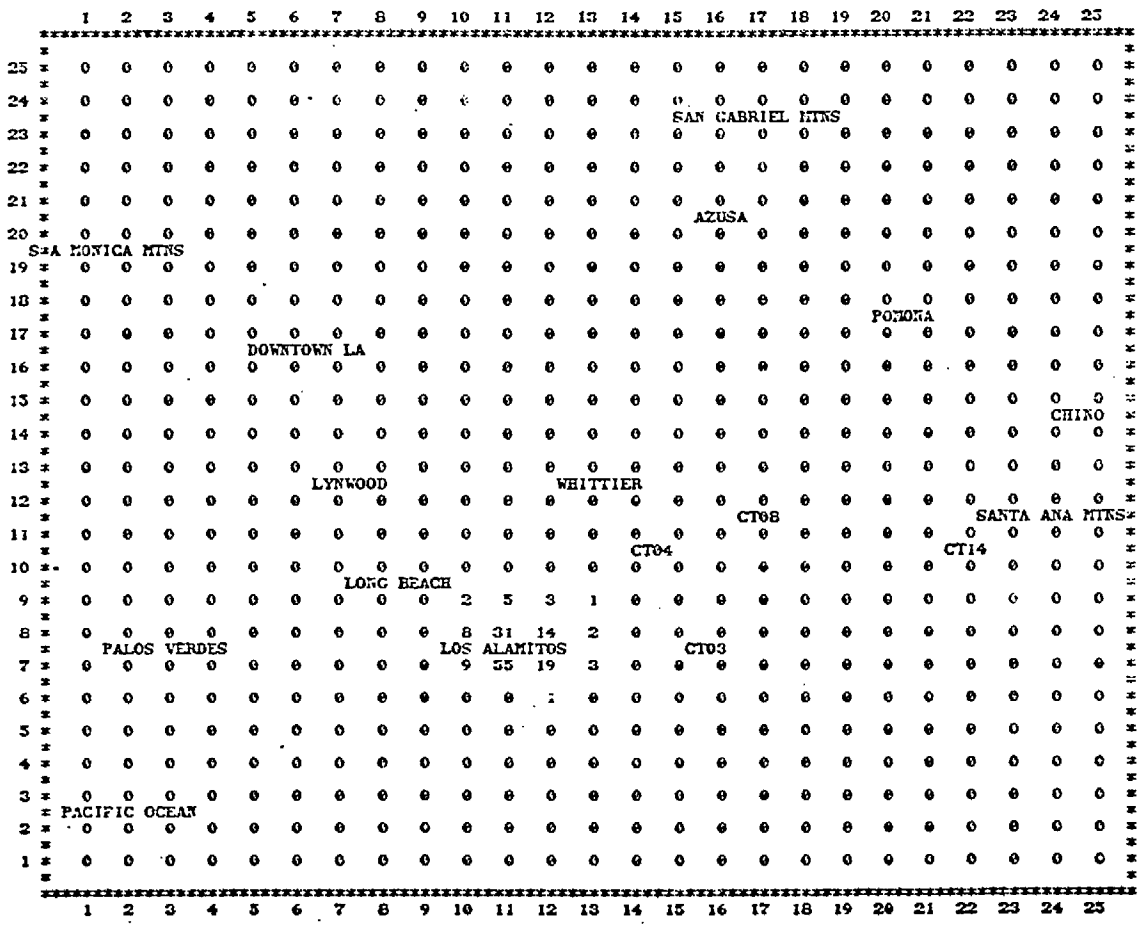
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 BETWEEN THE HOURS OF 1100. AND 1200. PST



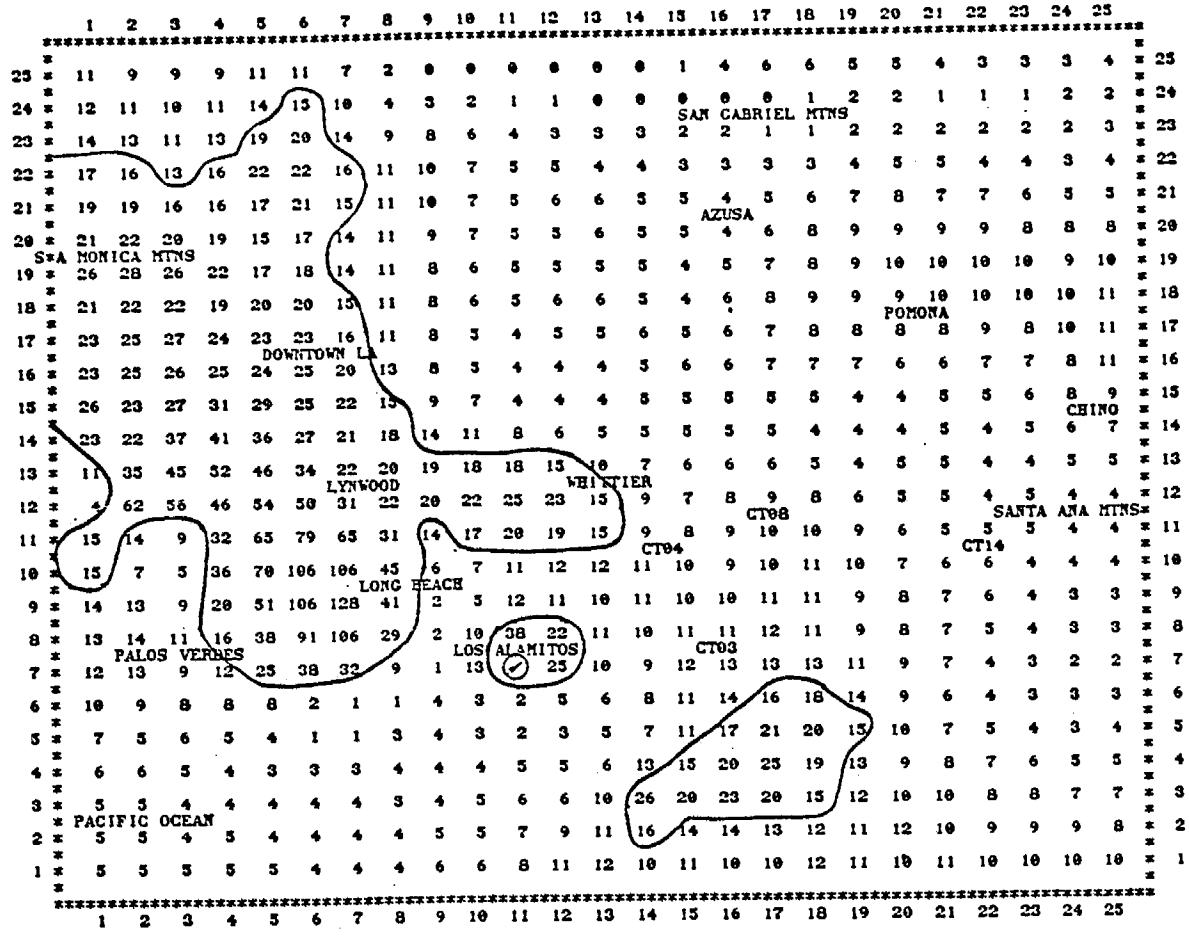
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 AVERAGED BETWEEN THE HOURS OF 1100. AND 1200. PST



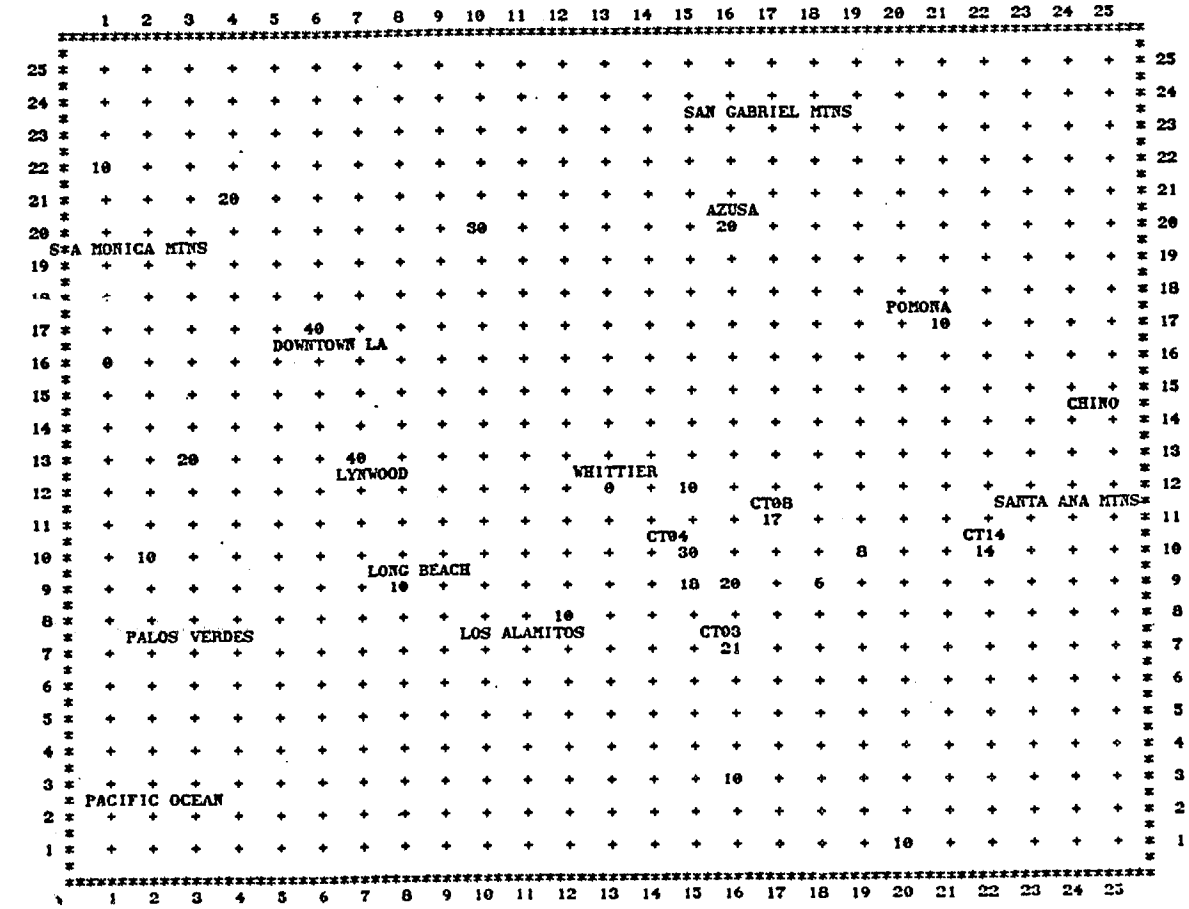
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741011 BETWEEN THE HOURS OF 1200. AND 1300. PST



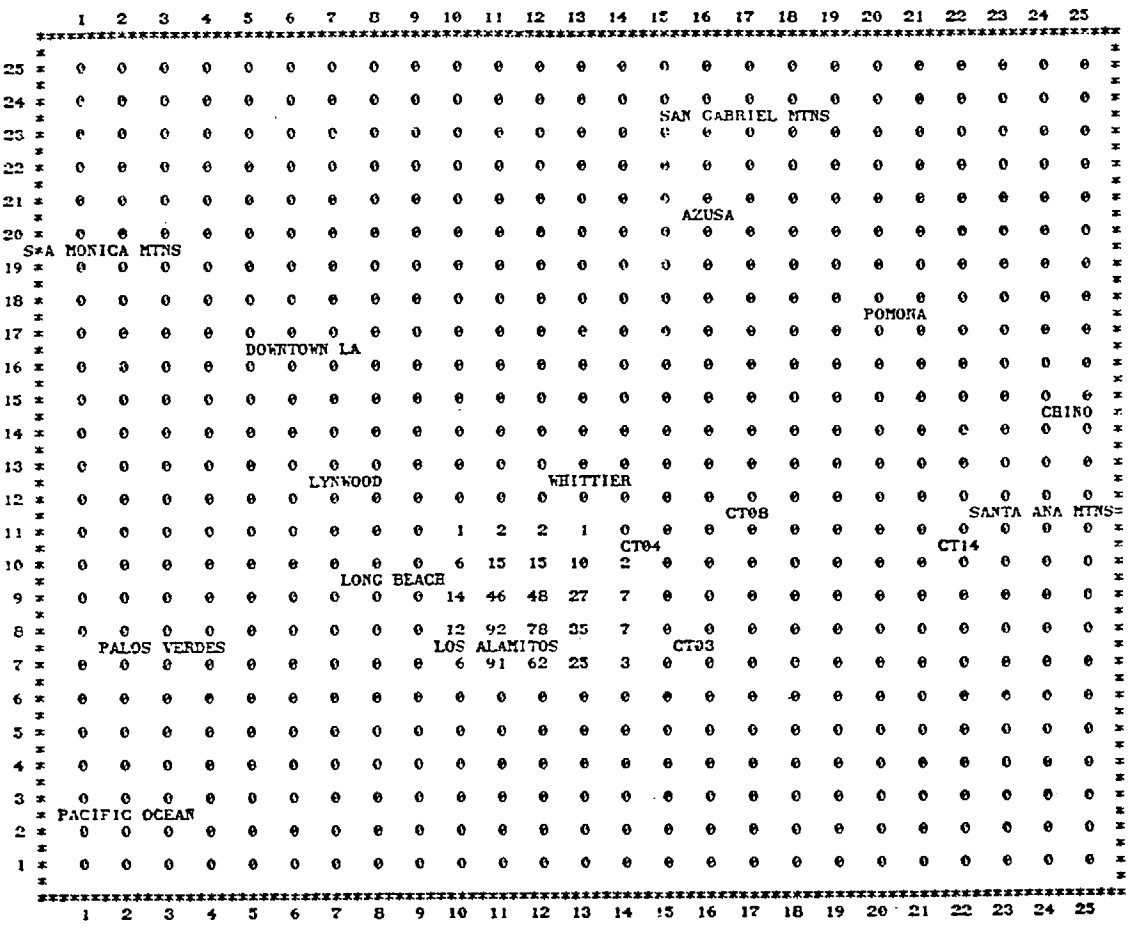
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 BETWEEN THE HOURS OF 1200. AND 1300. PST



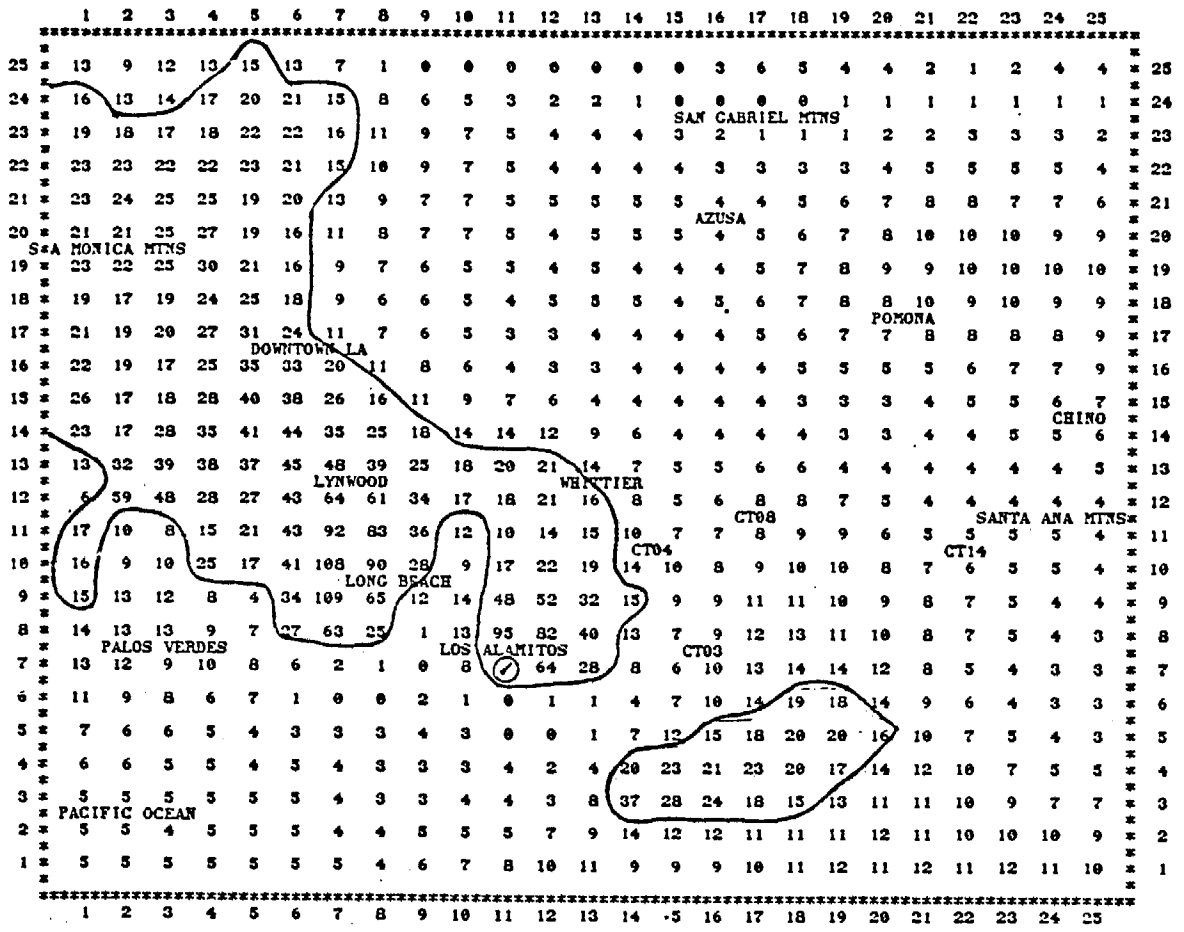
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 AVERAGED BETWEEN THE HOURS OF 1200. AND 1300. PST



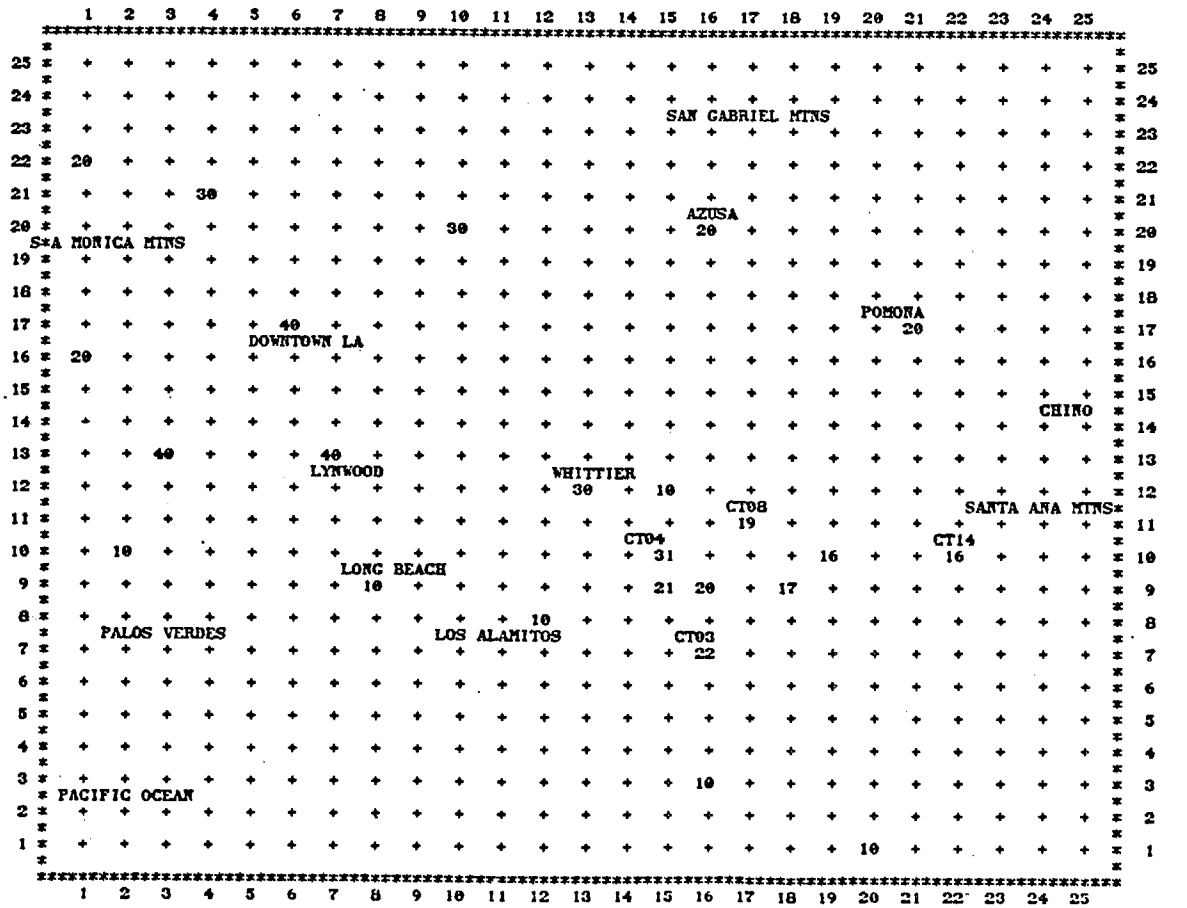
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741011 BETWEEN THE HOURS OF 1300. AND 1400. PST



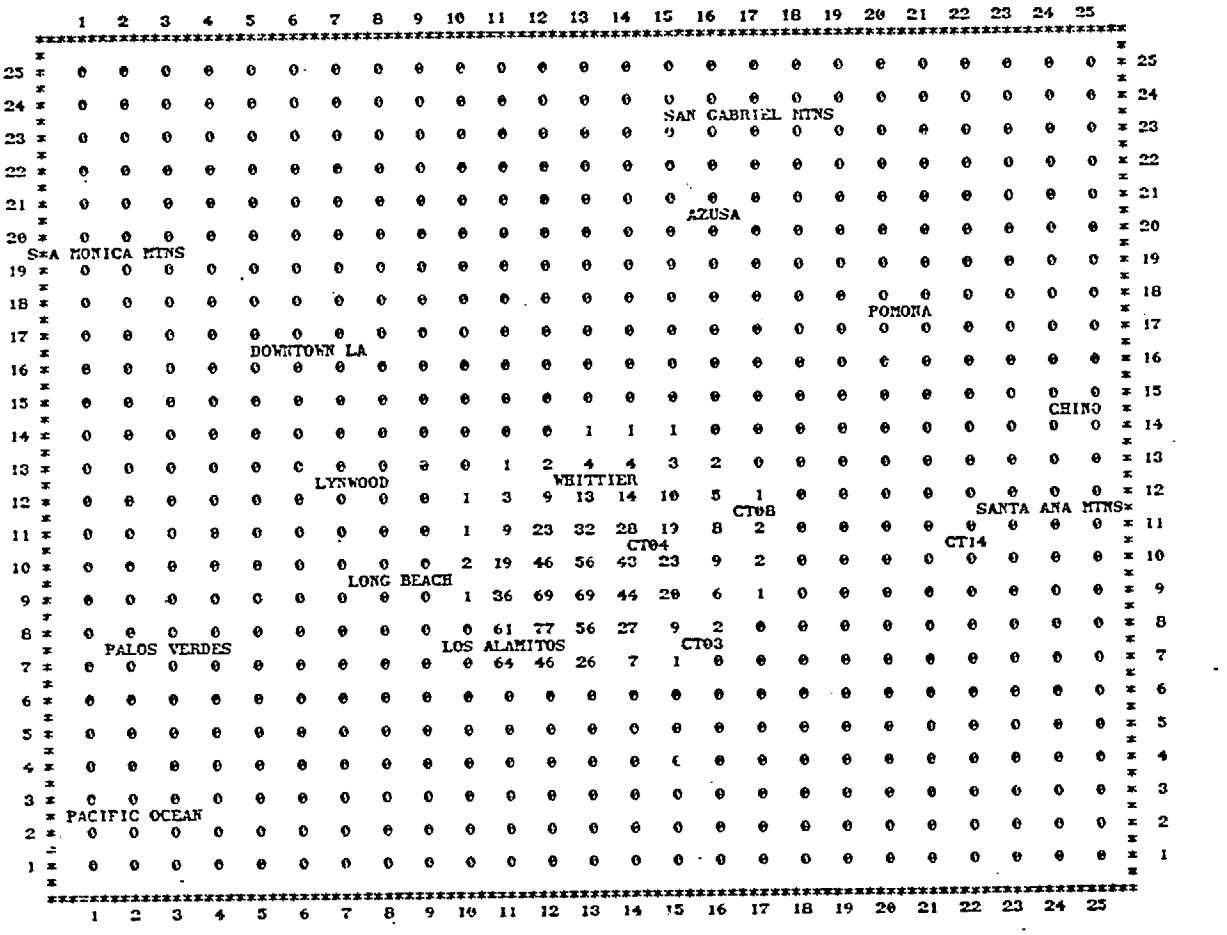
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 BETWEEN THE HOURS OF 1300. AND 1400. PST



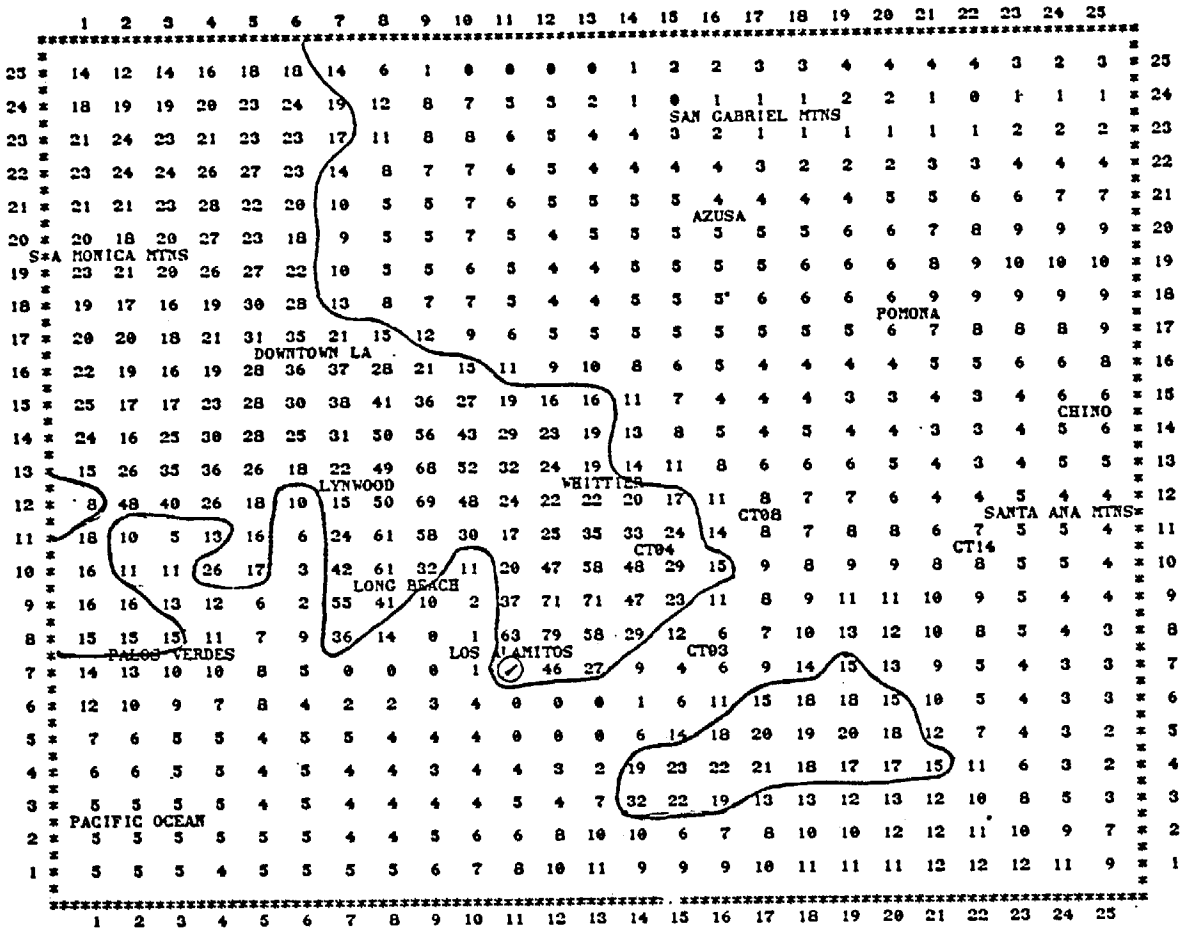
MEASURED GROUND LEVEL CONCENTRATIONS(PPB.) OF SO2 ON 741011 AVERAGED BETWEEN THE HOURS OF 1300. AND 1400. PST



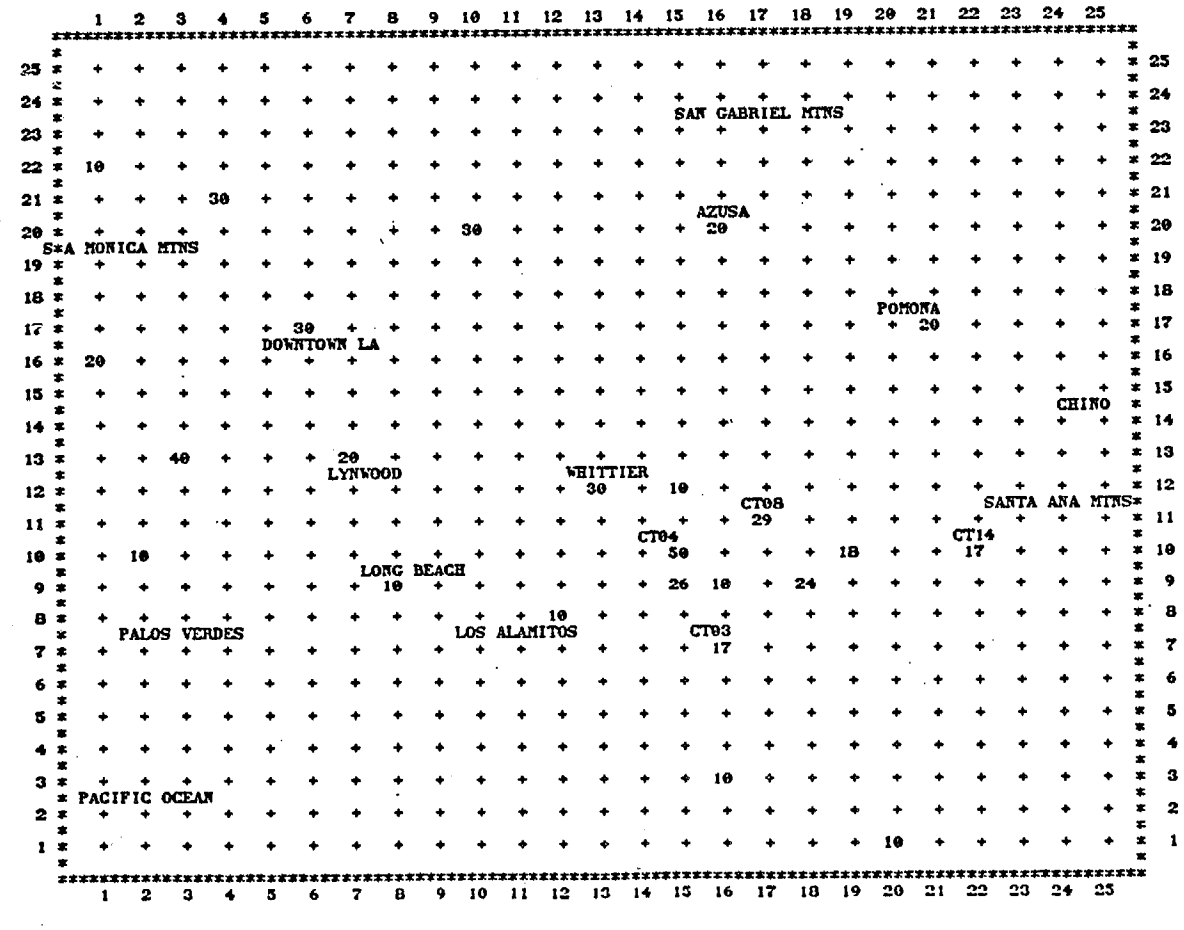
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741011 BETWEEN THE HOURS OF 1400. AND 1500. PST



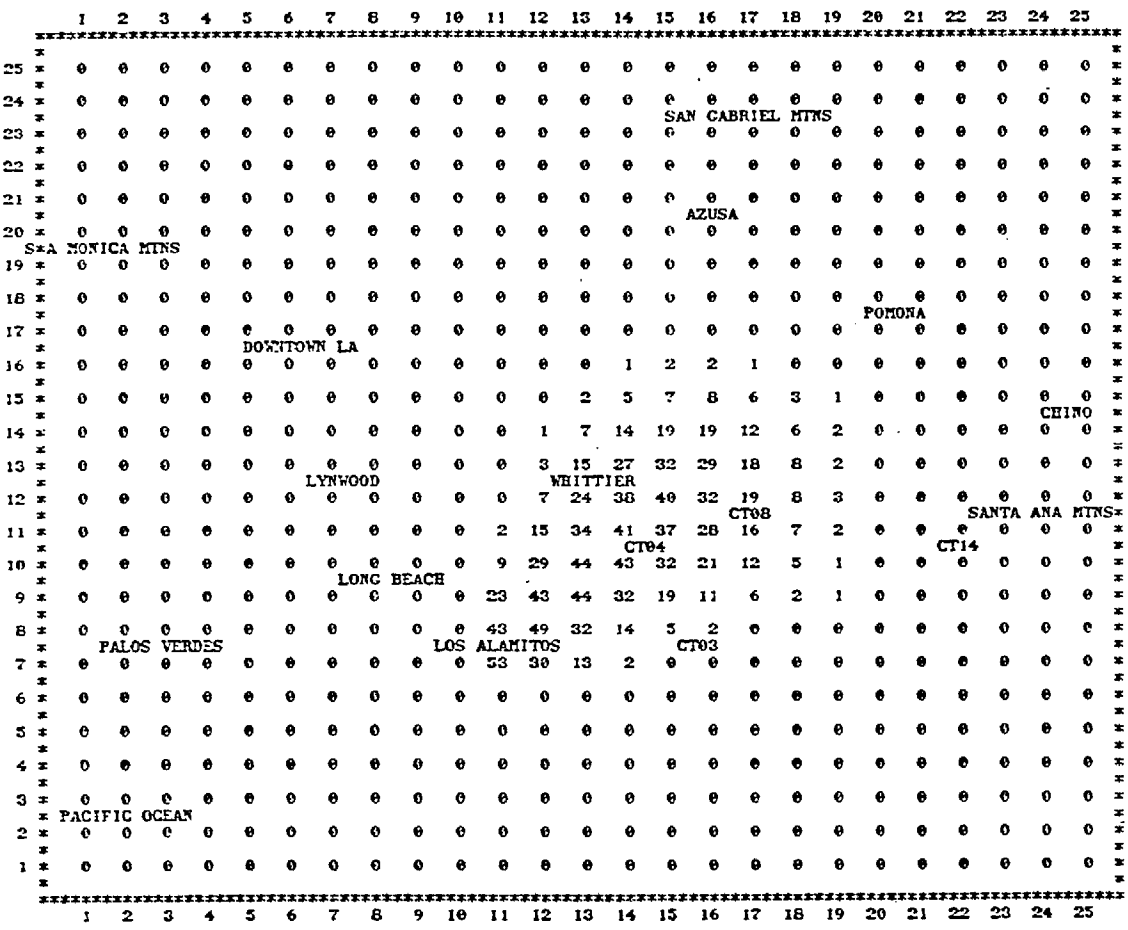
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 BETWEEN THE HOURS OF 1400. AND 1500. PST



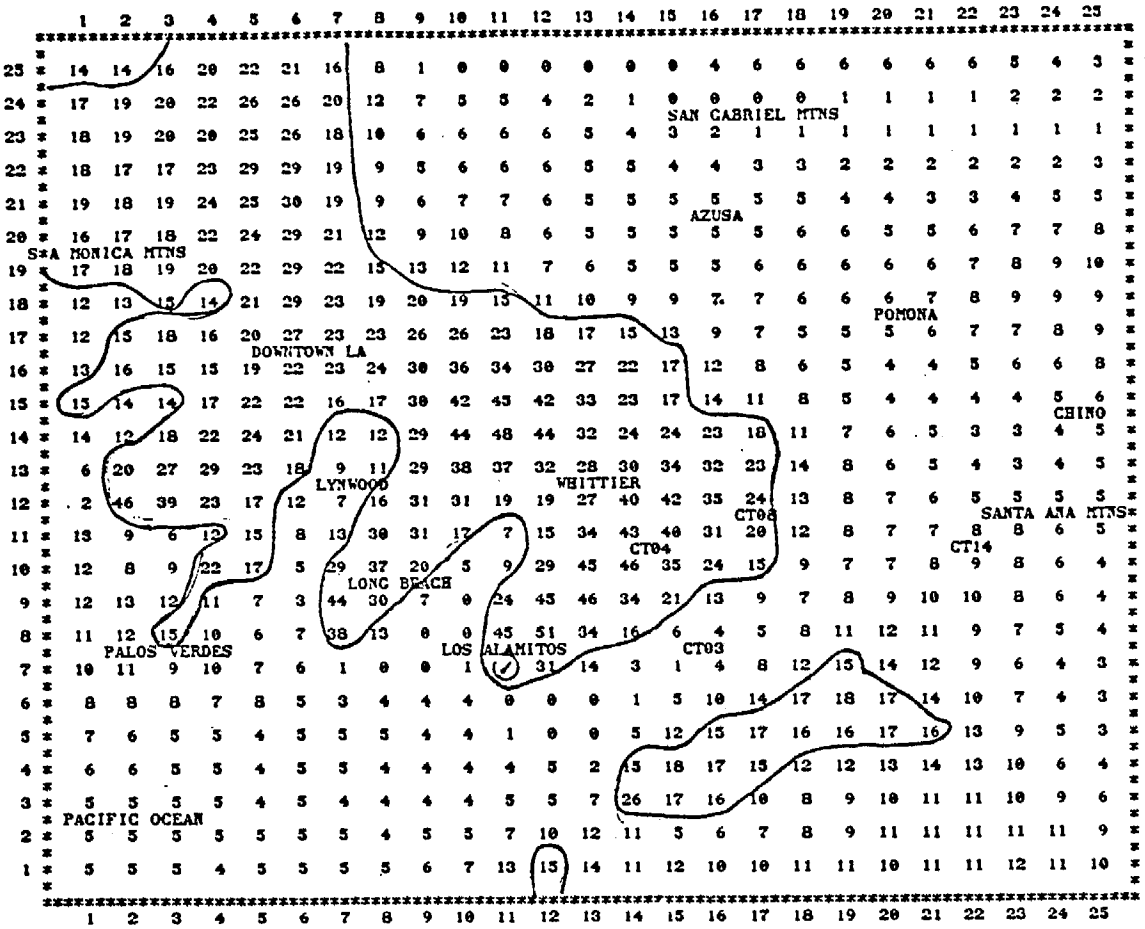
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 AVERAGED BETWEEN THE HOURS OF 1400. AND 1500. PST



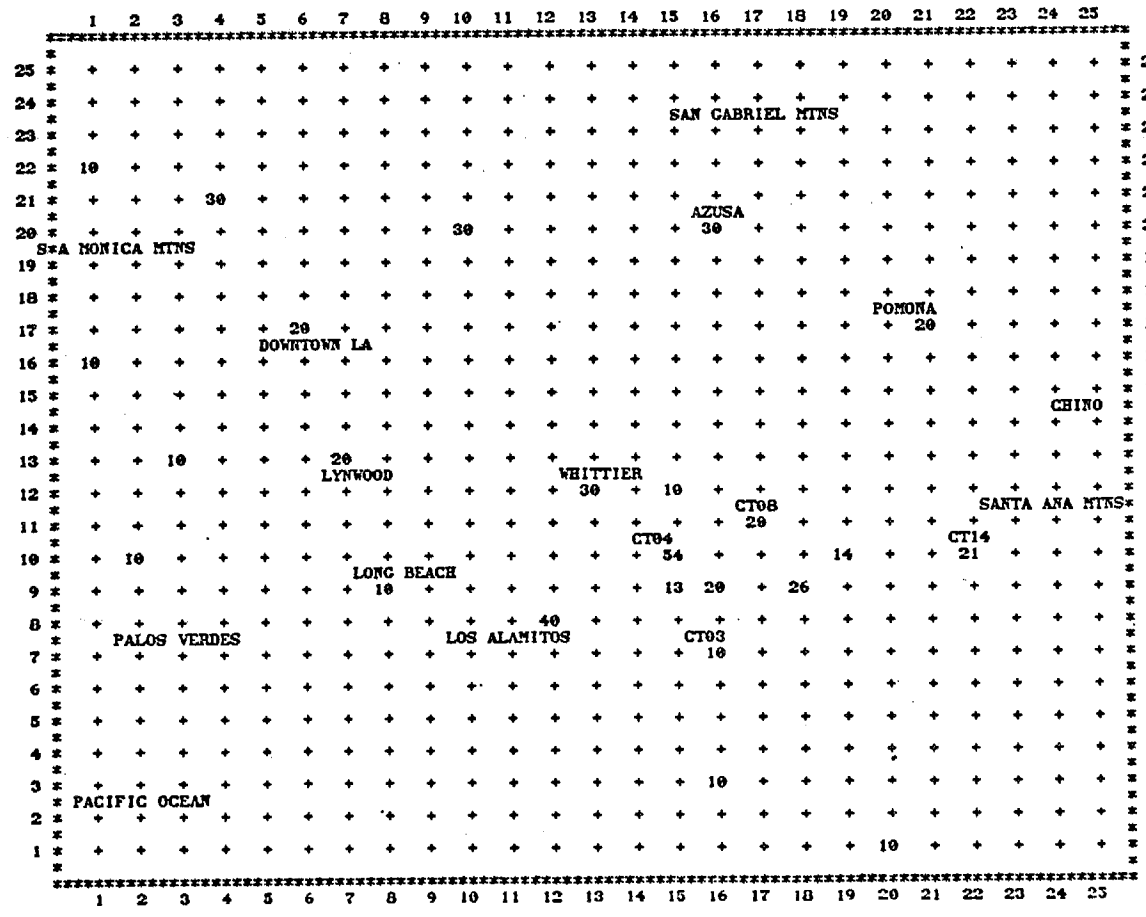
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741011 BETWEEN THE HOURS OF 1500. AND 1600. PST



PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 BETWEEN THE HOURS OF 1500. AND 1600. PST



MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 AVERAGED BETWEEN THE HOURS OF 1500. AND 1600. PST



PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741011 BETWEEN THE HOURS OF 1600. AND 1700. PST

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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
															SAN GABRIEL MTNS											
23	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	23
22	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	22
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	SMA MONICA MTNS																									
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18	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	18
																				POMONA						
17	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	7	6	3	1	0	0	0	0	0	17
						DOWNTOWN LA																				
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																	CT08						SANTA ANA MTNS			
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														CT04								CT14				
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								LONG BEACH																		
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		PALOS VERDES								LOS ALAMITOS					CT03											
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	PACIFIC OCEAN																									
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	0	2
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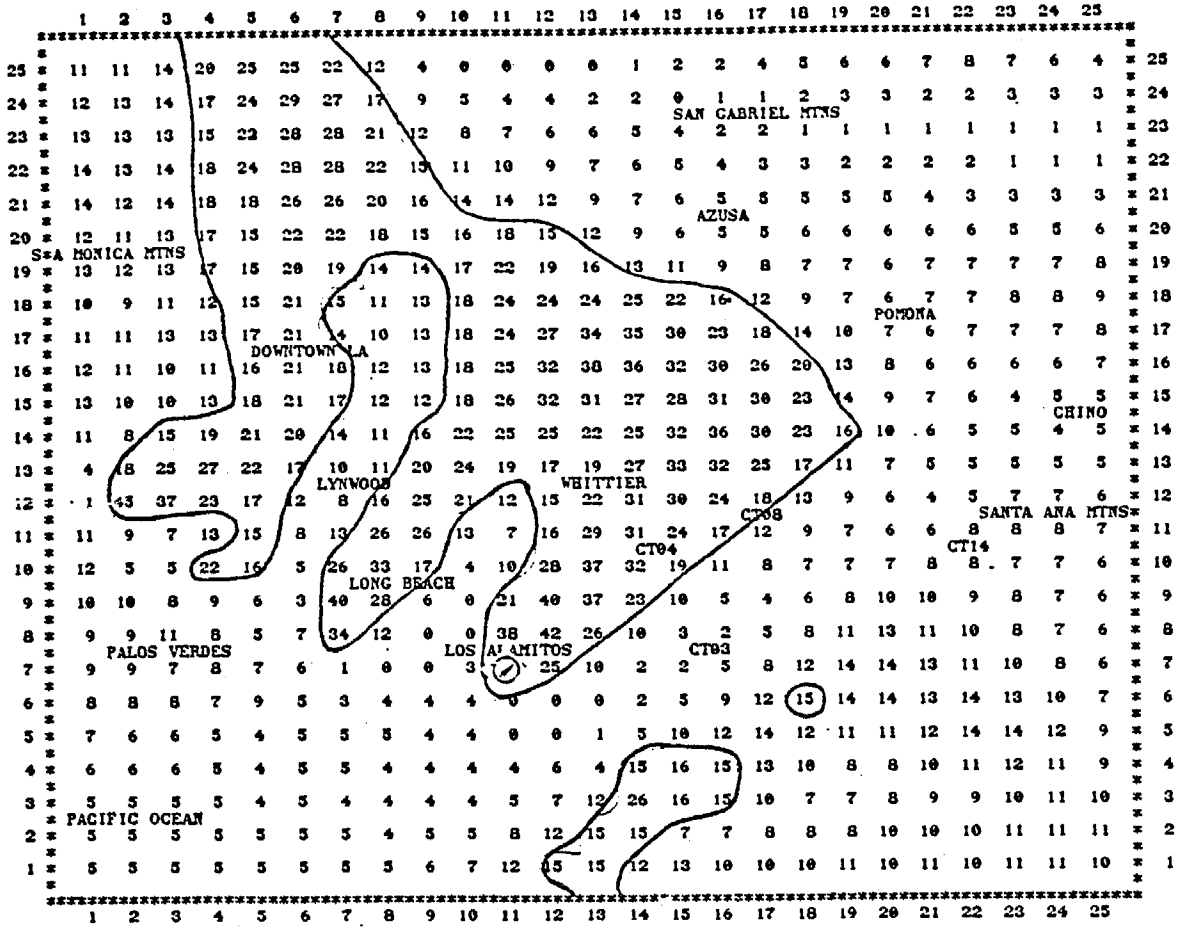
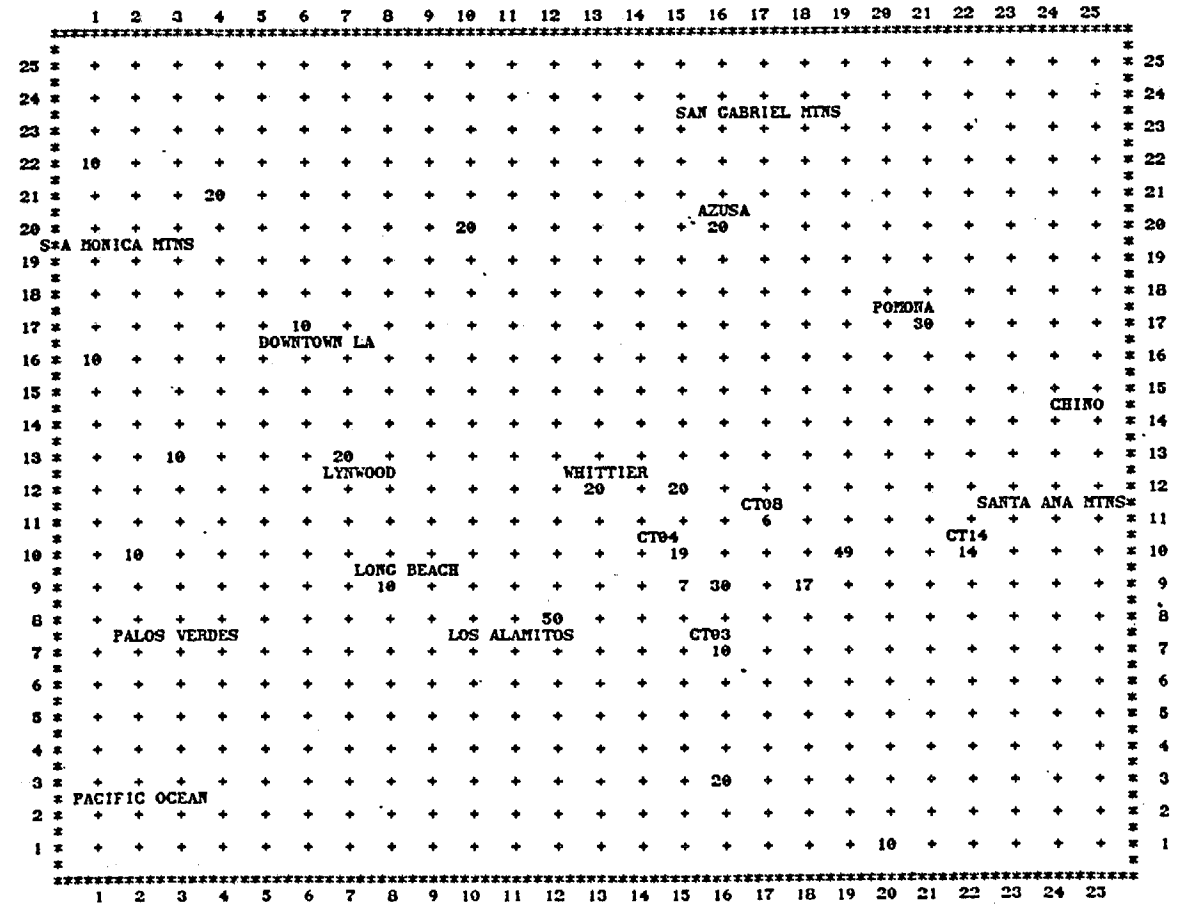
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	

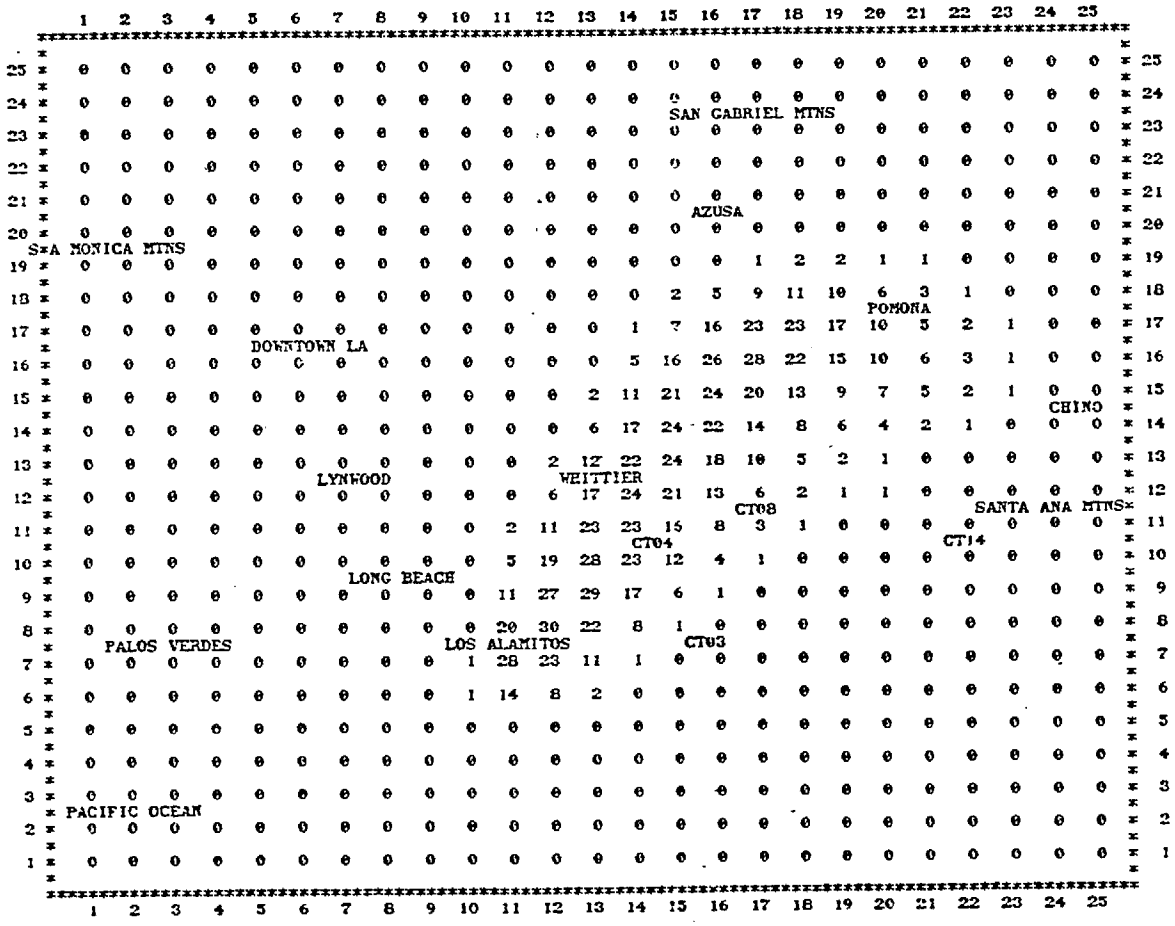
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 BETWEEN THE HOURS OF 1600. AND 1700. PST



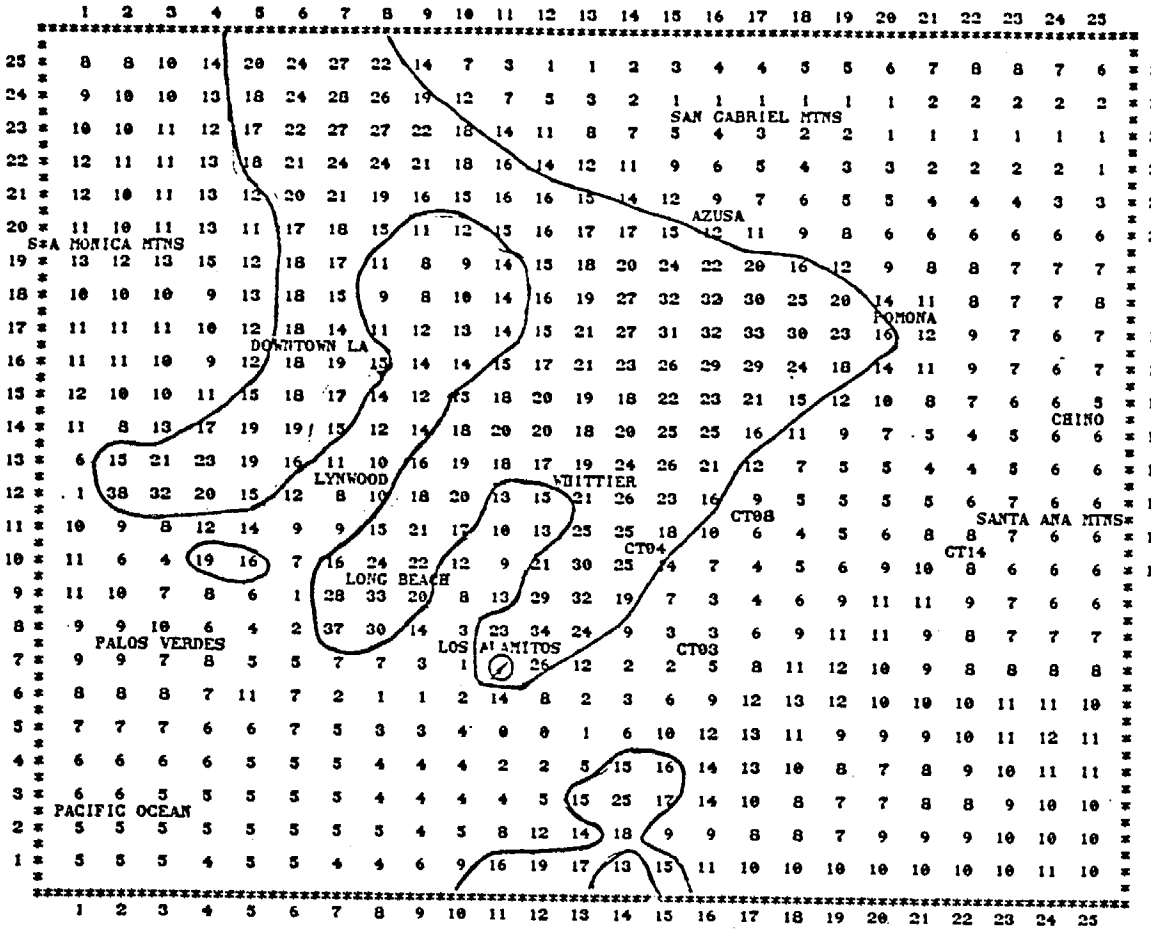
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 AVERAGED BETWEEN THE HOURS OF 1700. AND 1800. PST



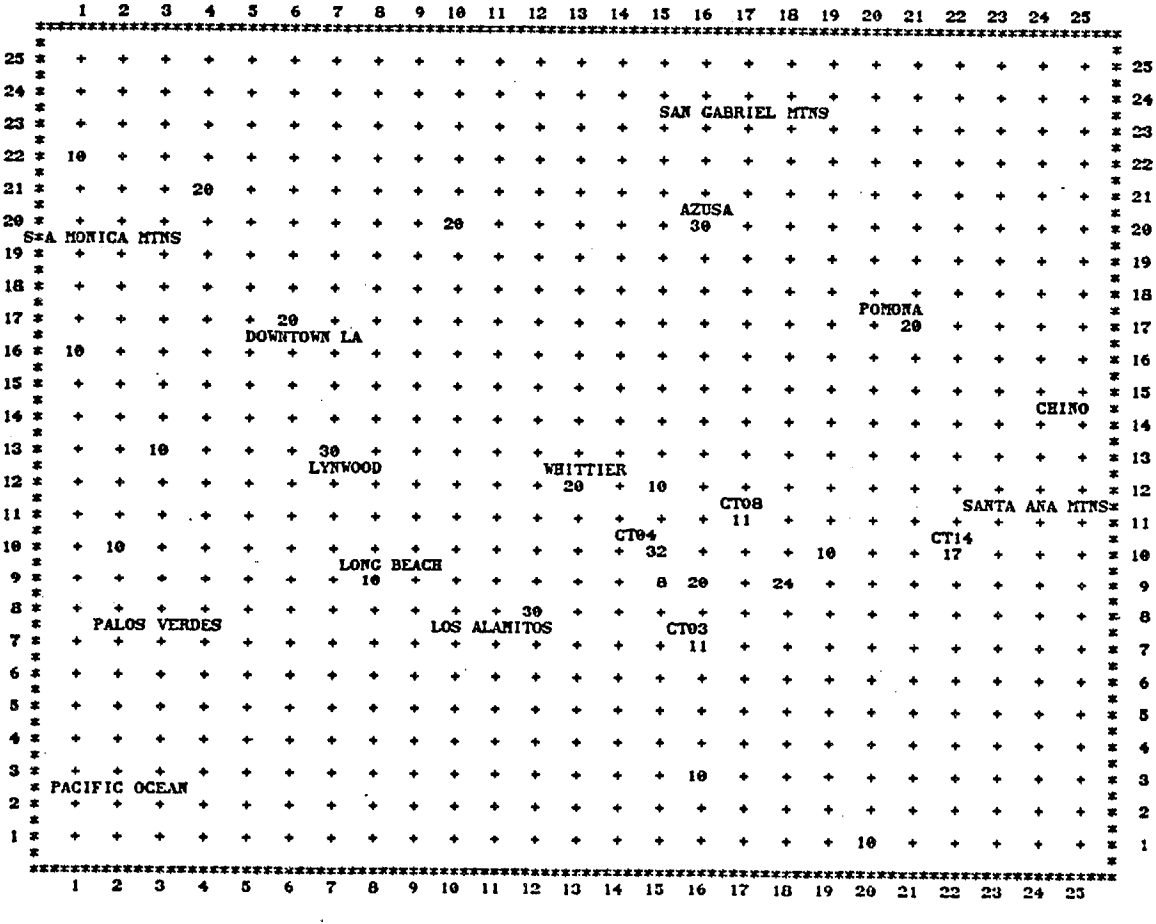
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741011 BETWEEN THE HOURS OF 1700. AND 1800. PST



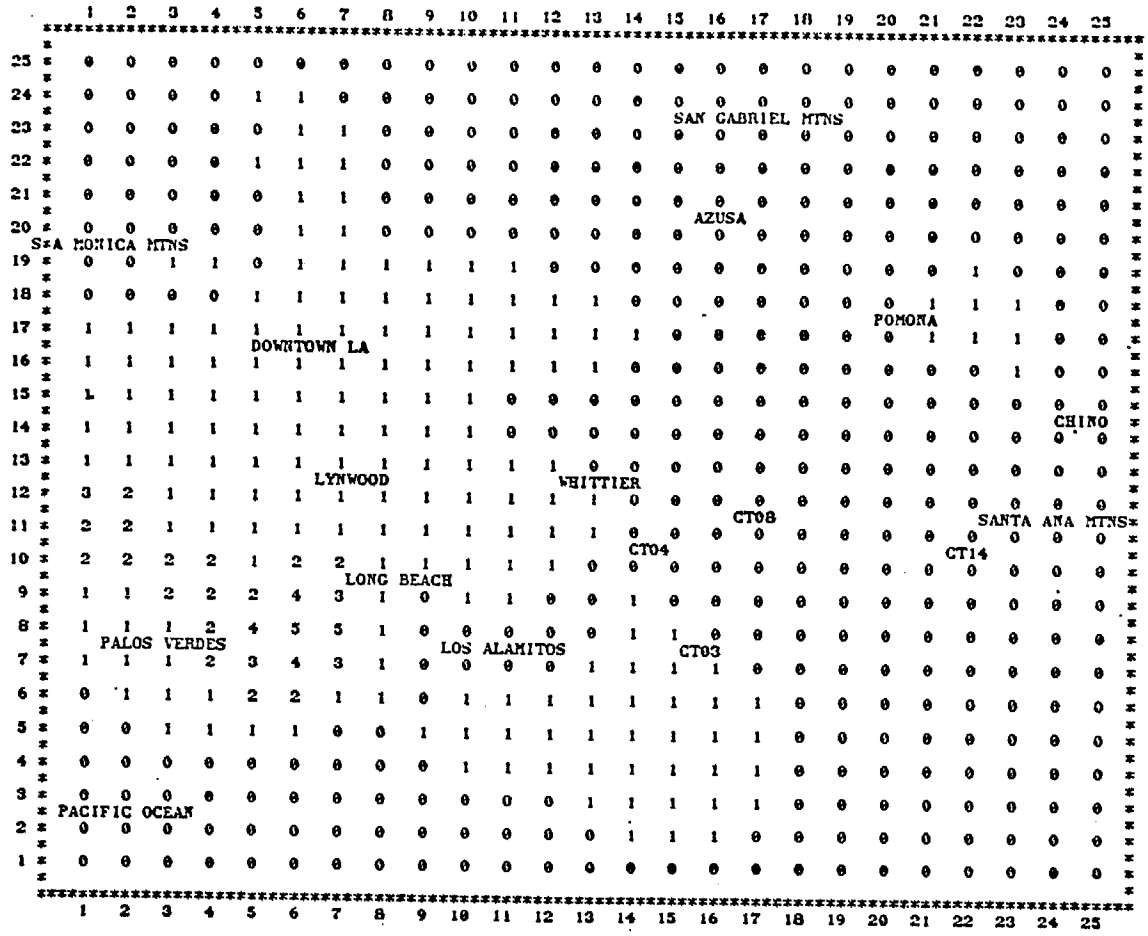
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 BETWEEN THE HOURS OF 1700. AND 1800. PST



MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741011 AVERAGED BETWEEN THE HOURS OF 1600. AND 1700. PST

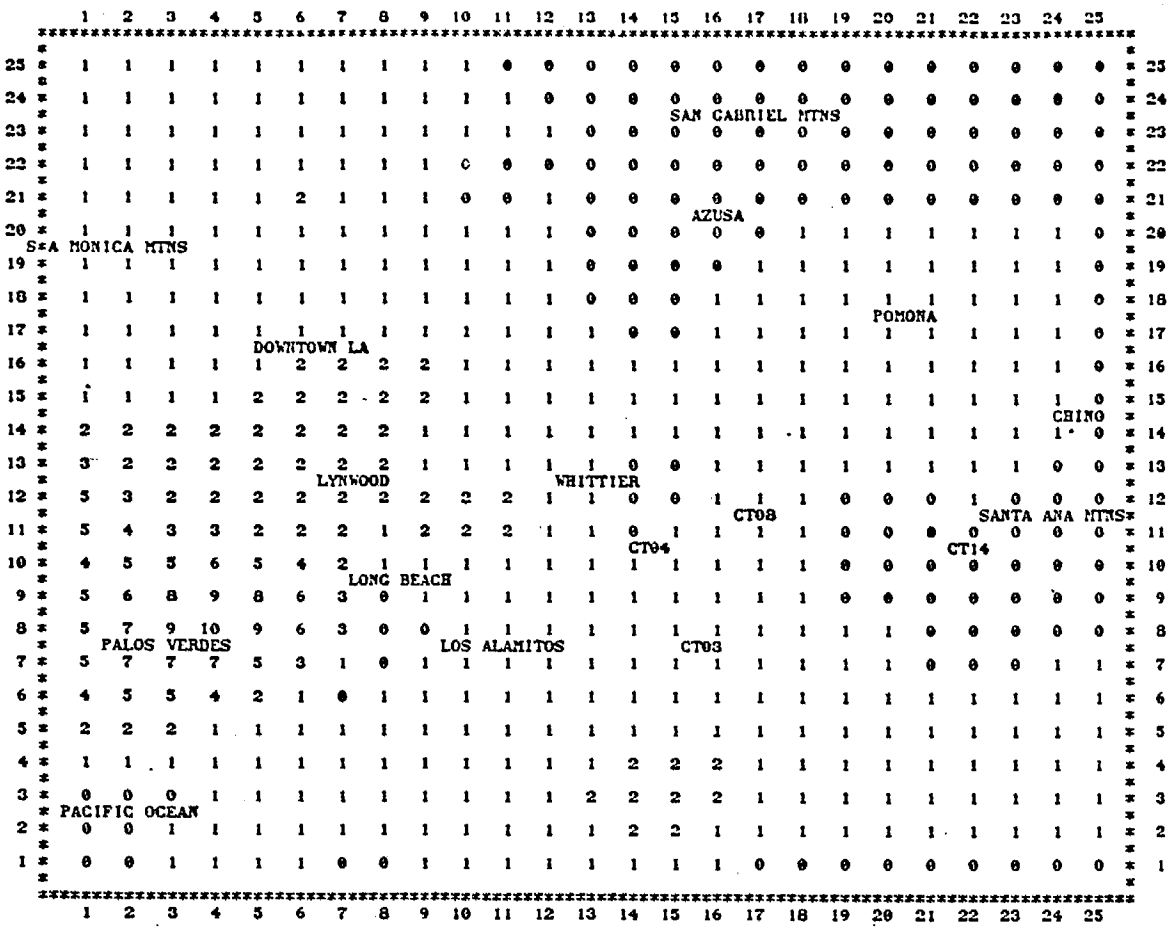


PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741011 BETWEEN THE HOURS OF 700. AND 800. PST

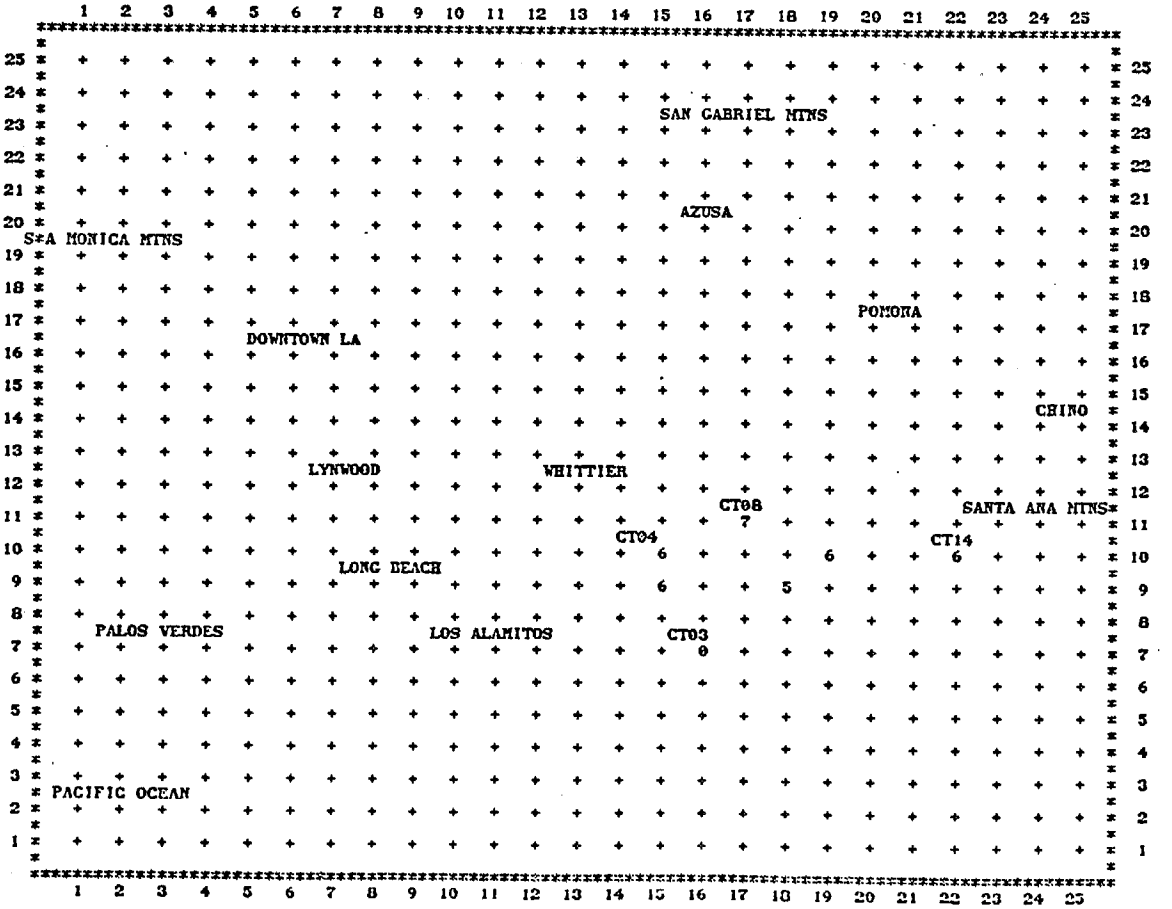


[NO $SO_4^=$ DATA WAS REPORTED FOR THIS HOUR]

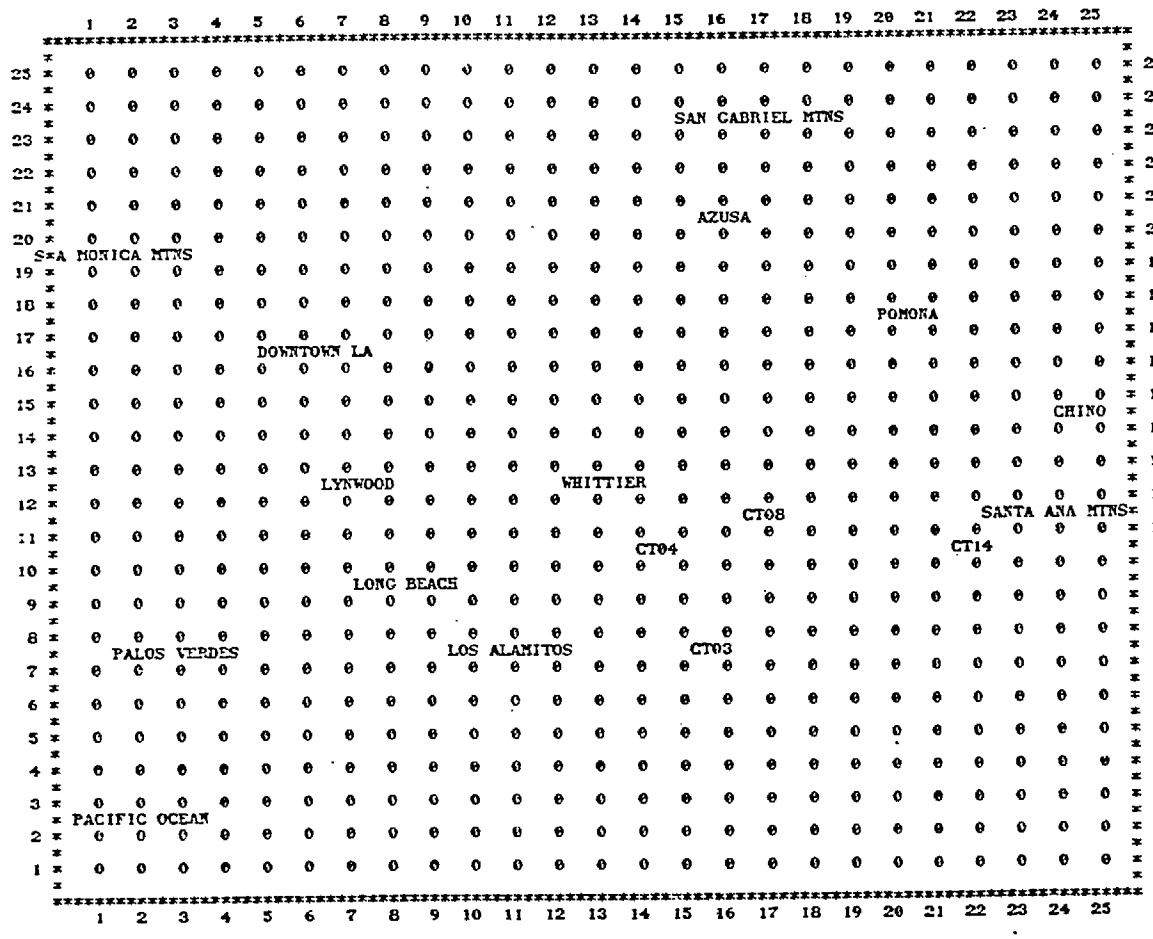
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741011 BETWEEN THE HOURS OF 900. AND 1000. PST



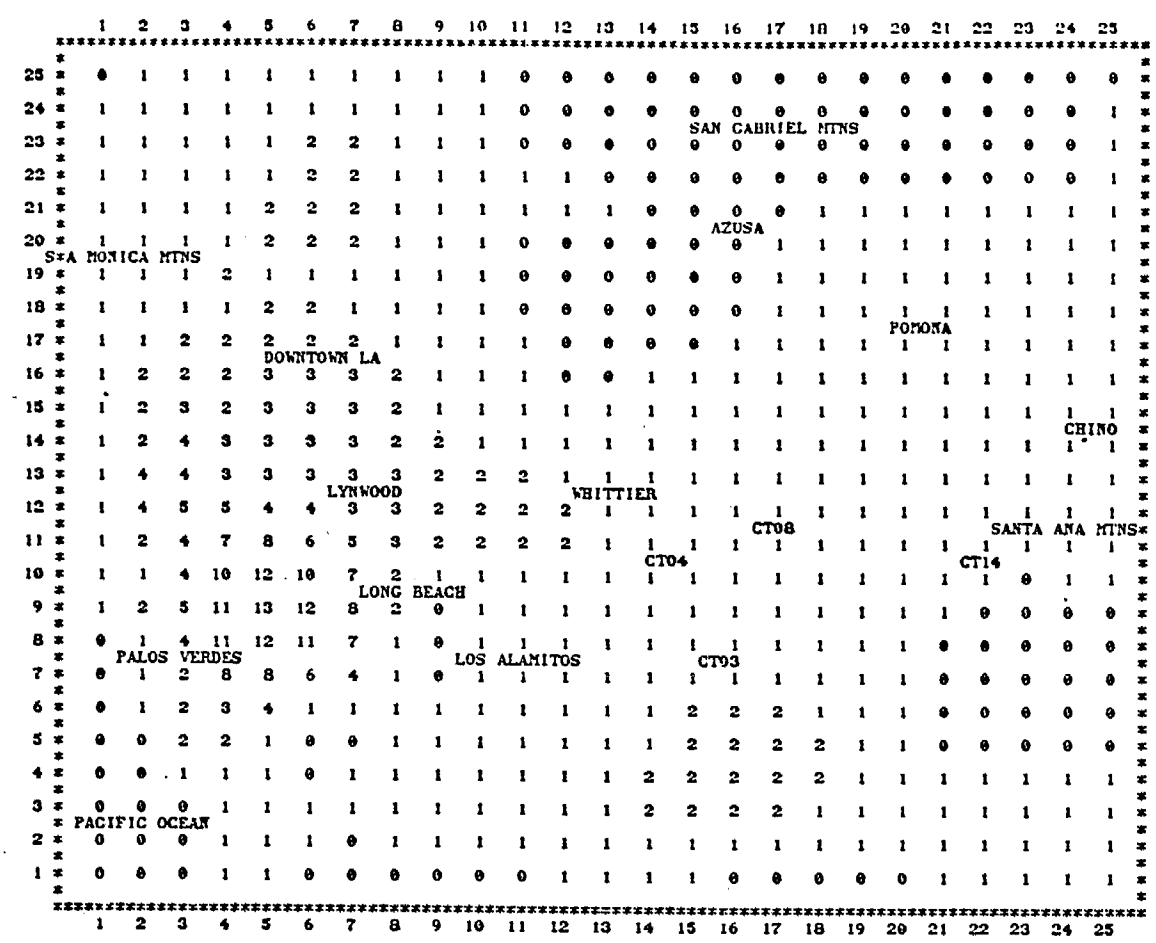
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741011 AVERAGED BETWEEN THE HOURS OF 900. AND 1000. PST



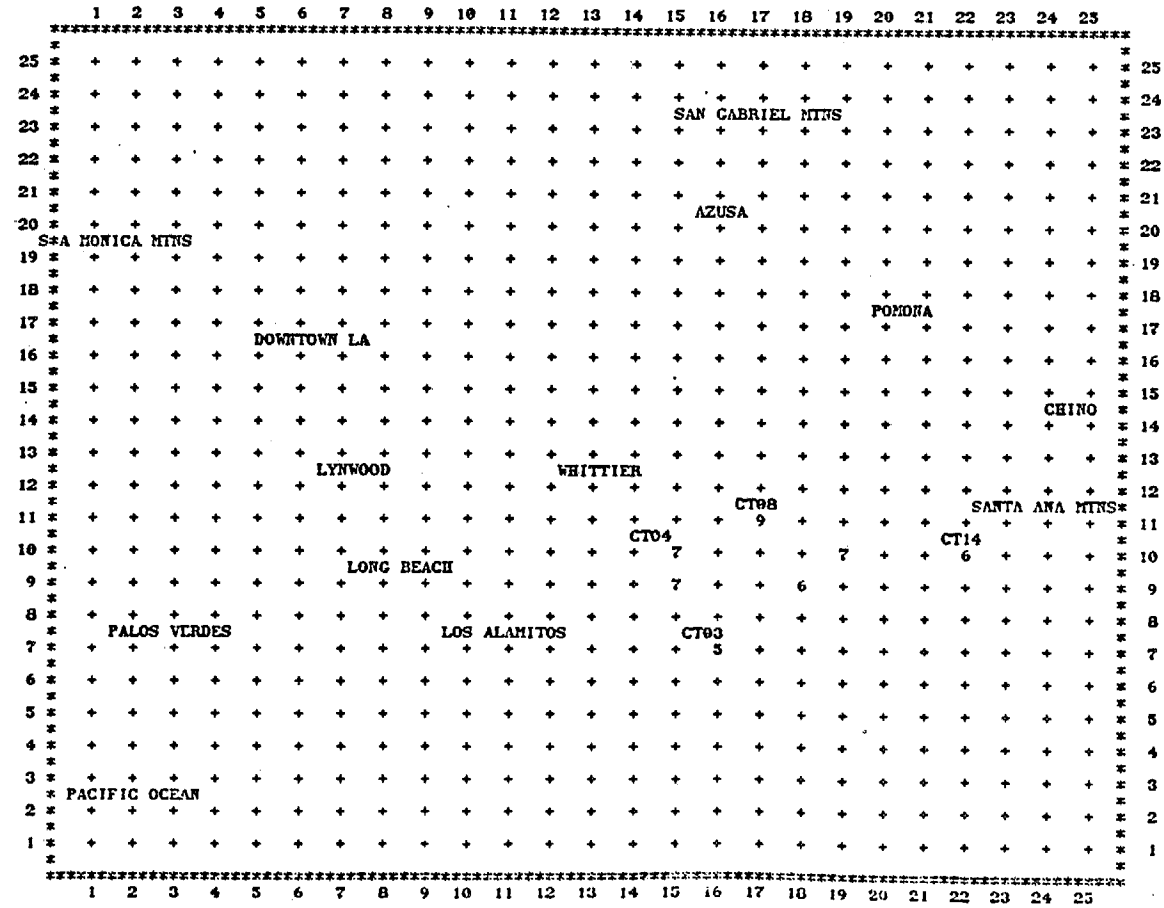
PREDICTED CONCENTRATIONS(PPB) OF SO4 IN THE PLUME ON 741011 BETWEEN THE HOURS OF 1100. AND 1200. PST



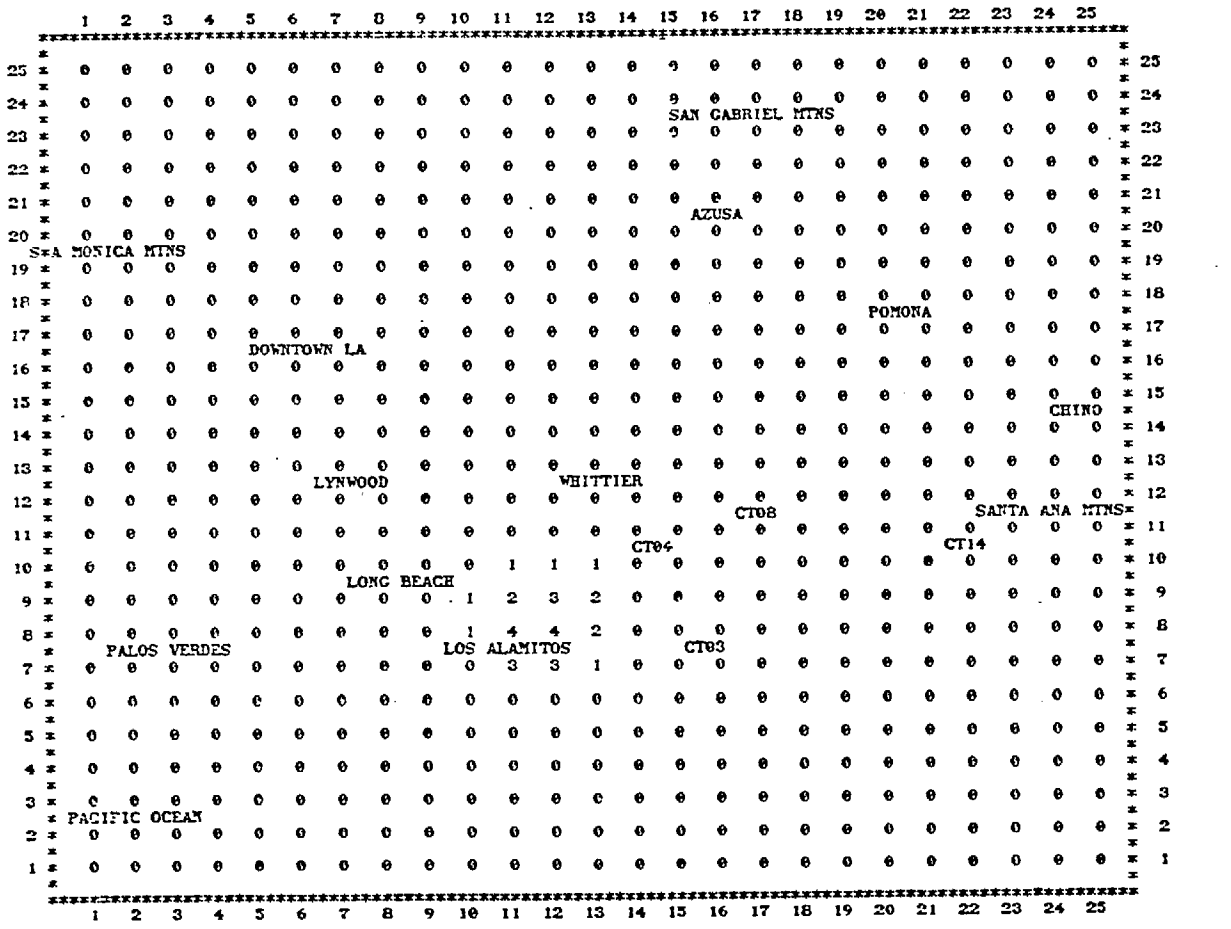
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741011 BETWEEN THE HOURS OF 1100. AND 1200. PST



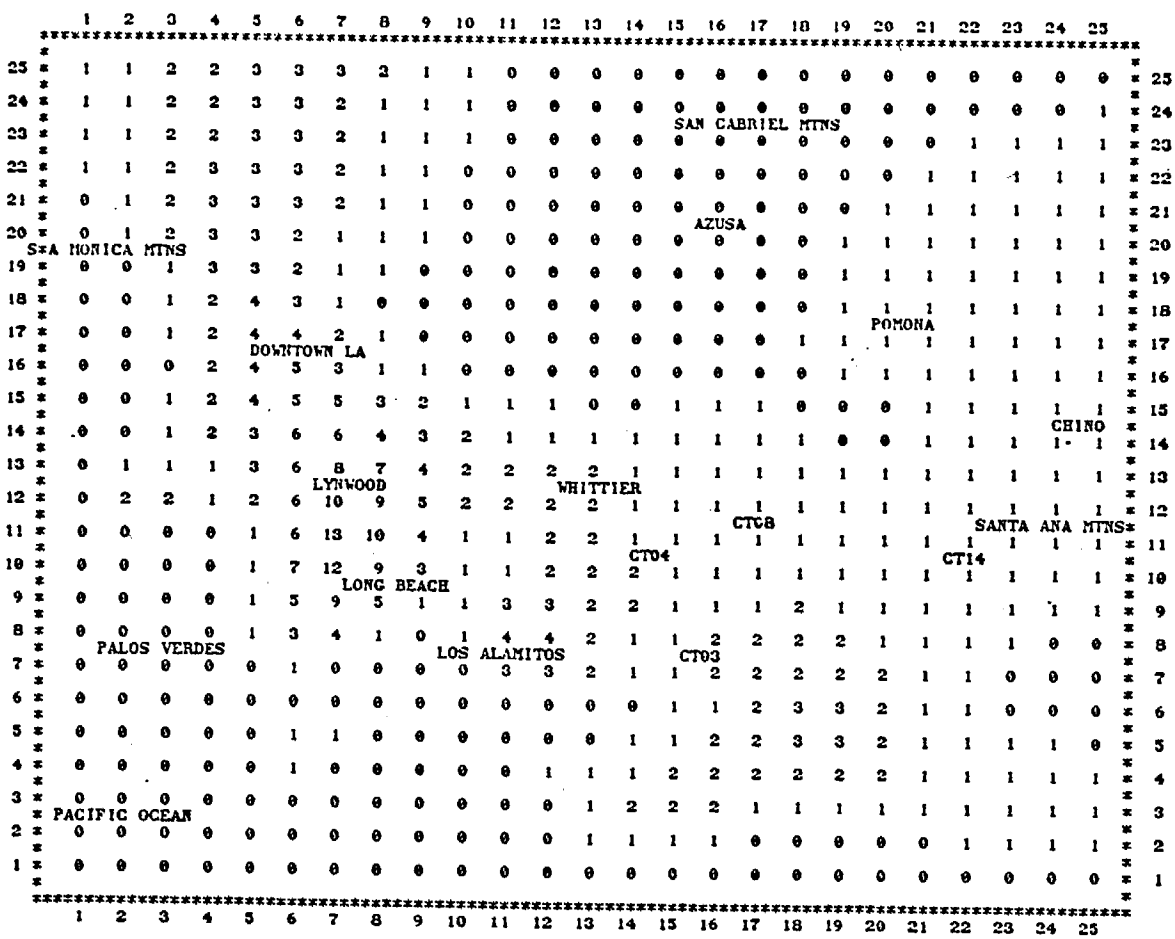
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741011 AVERAGED BETWEEN THE HOURS OF 1100. AND 1200. PST



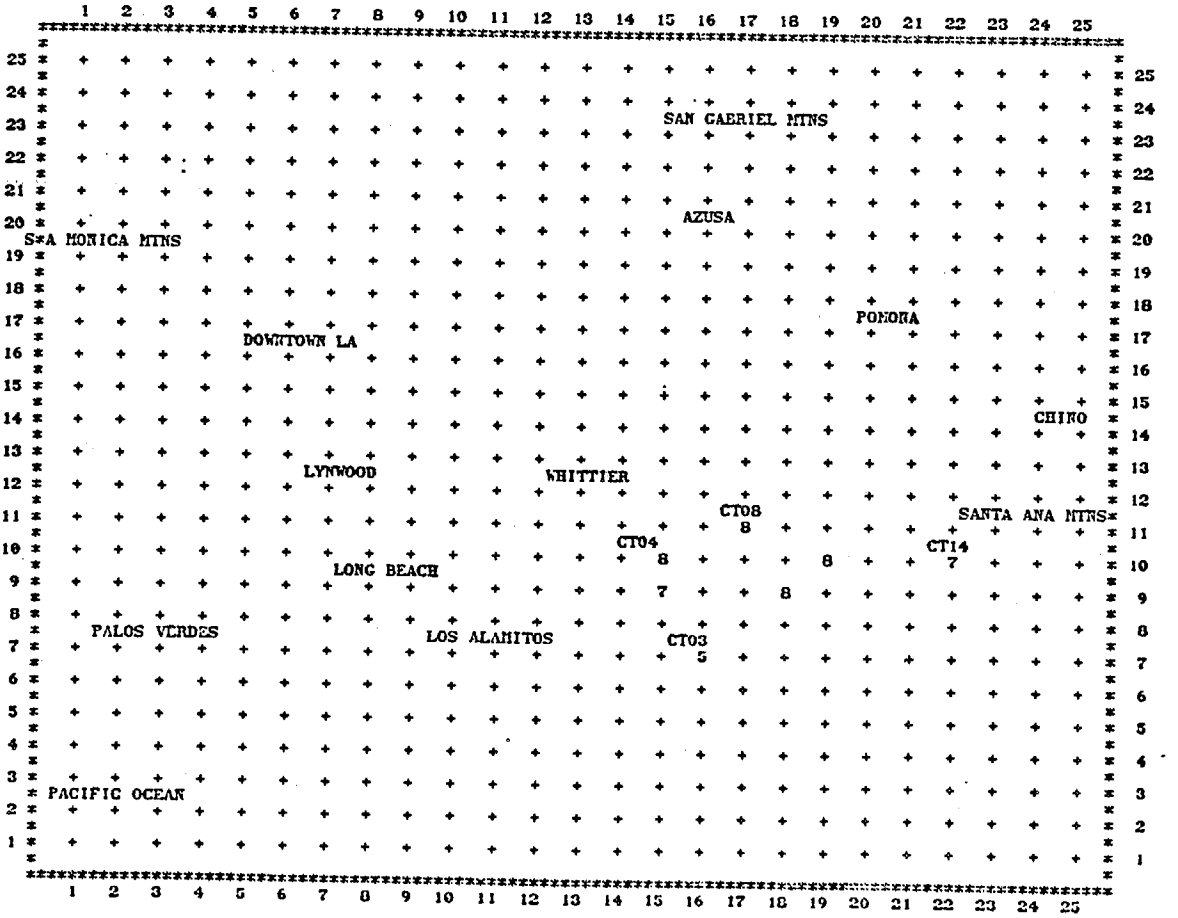
PREDICTED CONCENTRATIONS(PPB) OF SO4 IN THE PLUME ON 741011 BETWEEN THE HOURS OF 1300. AND 1400. PST



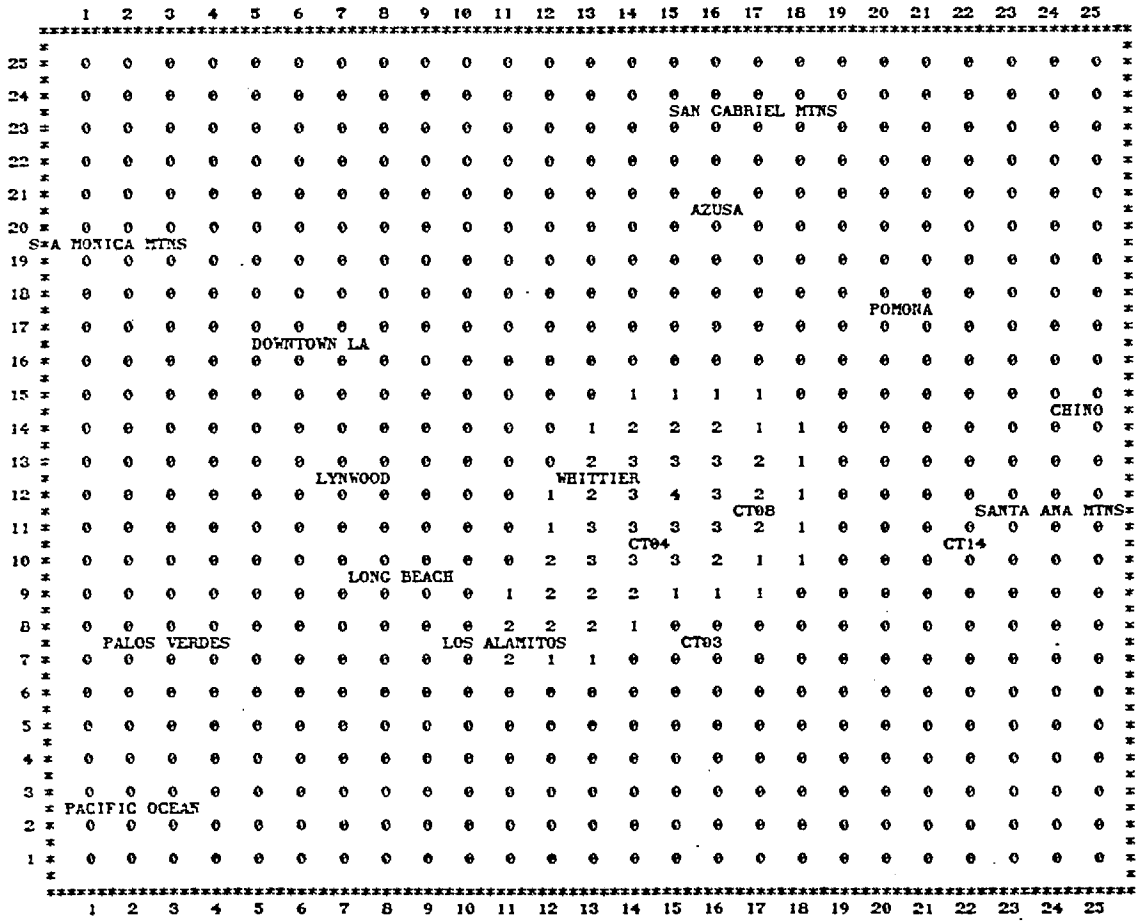
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741011 BETWEEN THE HOURS OF 1300. AND 1400. PST



MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741011 AVERAGED BETWEEN THE HOURS OF 1300. AND 1400. PST



PREDICTED CONCENTRATIONS(PPB) OF SO4 IN THE PLUME ON 741011 BETWEEN THE HOURS OF 1500. AND 1600. PST



PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741011 BETWEEN THE HOURS OF 1500. AND 1600. PST

```
      1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
   ***************************************************************************
25 *  2  2  3  4  5  5  5  4  2  1  1  1  0  0  0  0  0  0  0  0  0  0  0  0  0 * 25
24 *  1  1  2  3  4  4  4  2  1  1  1  0  0  0  0  0  0  0  0  0  0  0  0  0  0 * 24
23 *  1  1  1  2  3  4  3  2  1  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0 * 23
22 *  1  0  1  2  4  4  3  1  1  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  1 * 22
21 *  0  0  1  2  3  5  3  2  1  1  1  0  0  0  0  0  0  0  0  0  0  0  0  1  1 * 21
20 *  0  0  0  1  3  5  4  2  1  1  1  1  0  0  0  0  0  0  0  0  0  0  1  1  1 * 20
19 *  0  0  0  1  2  4  4  3  2  2  2  1  1  0  0  0  0  0  0  0  0  0  1  1  1 * 19
18 *  0  0  0  1  2  4  4  4  4  4  3  2  1  1  1  1  1  0  0  0  1  1  1  1  1 * 18
17 *  0  0  0  1  1  3  3  4  5  5  4  3  3  3  2  1  1  1  1  1  1  1  1  1  1 * 17
16 *  0  0  0  1  1  1  2  4  5  7  7  6  5  4  3  2  1  1  1  1  1  1  1  1  1 * 16
15 *  0  0  0  1  1  1  1  2  5  7  8  7  5  3  2  2  2  1  1  1  1  1  0  1  1 * 15
14 *  0  0  1  1  1  1  0  1  4  6  7  7  4  3  3  3  2  2  1  1  1  1  0  1  1 * 14
13 *  0  1  1  1  1  1  0  1  3  4  4  3  3  3  3  3  3  2  1  1  1  1  1  1  1 * 13
12 *  0  1  1  1  1  0  0  1  2  3  2  1  2  3  4  3  3  2  1  1  1  1  1  1  1 * 12
11 *  0  0  0  0  1  0  1  2  2  1  0  1  2  3  3  3  2  1  1  1  1  2  1  1  1 * 11
10 *  0  0  0  1  1  0  1  2  1  0  0  2  3  3  3  2  1  1  1  1  2  2  1  1  1 * 10
 9 *  0  0  0  0  0  0  2  1  0  0  1  2  2  2  1  1  1  1  1  2  2  2  1  1  1 * 9
 8 *  0  0  0  0  0  0  1  0  0  0  2  2  1  0  0  0  1  1  2  2  2  1  1  1  * 8
 7 *  0  0  0  0  0  0  0  0  0  0  2  1  1  0  0  0  1  1  2  2  2  2  1  1  0 * 7
 6 *  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  1  2  2  2  2  1  1  0 * 6
 5 *  0  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  1  1  2  2  2  2  2  1  0 * 5
 4 *  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  1  1  1  1  1  2  2  2  1  1 * 4
 3 *  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  1  0  0  0  1  1  1  1  1  1 * 3
 2 *  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  1  1  1 * 2
 1 *  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  1  1 * 1
   ***************************************************************************
      1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

                                                SAN GABRIEL MTNS
                                                      AZUSA
   S=A MONICA MTNS
                                                                POMONA
                  DOWNTOWN LA
                                                                      CHINO
                        LYNWOOD                 WHITTIER
                                                      CT08          SANTA ANA MTNS=
                                                CT04                CT14
                        LONG BEACH
   PALOS VERDES                         LOS ALAMITOS              CT03
   PACIFIC OCEAN
```

MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741011 AVERAGED BETWEEN THE HOURS OF 1500. AND 1600. PST

```
      1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
   ***************************************************************************
25 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 25
24 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 24
23 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 23
22 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 22
21 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 21
20 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 20
19 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 19
18 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 18
17 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 17
16 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 16
15 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 15
14 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 14
13 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 13
12 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 12
11 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 11
10 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  5  +  +  +  6  +  +  7  +  +  + * 10
 9 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  5  +  +  5  +  +  +  +  +  +  + * 9
 8 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 8
 7 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  4  +  +  +  +  +  +  +  +  + * 7
 6 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 6
 5 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 5
 4 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 4
 3 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 3
 2 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 2
 1 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 1
   ***************************************************************************
      1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

                                                SAN GABRIEL MTNS
                                                      AZUSA
   S=A MONICA MTNS
                                                                POMONA
                  DOWNTOWN LA
                                                                      CHINO
                        LYNWOOD                 WHITTIER
                                                      CT08          SANTA ANA MTNS=
                                                CT04                CT14
                        LONG BEACH
   PALOS VERDES                         LOS ALAMITOS              CT03
   PACIFIC OCEAN
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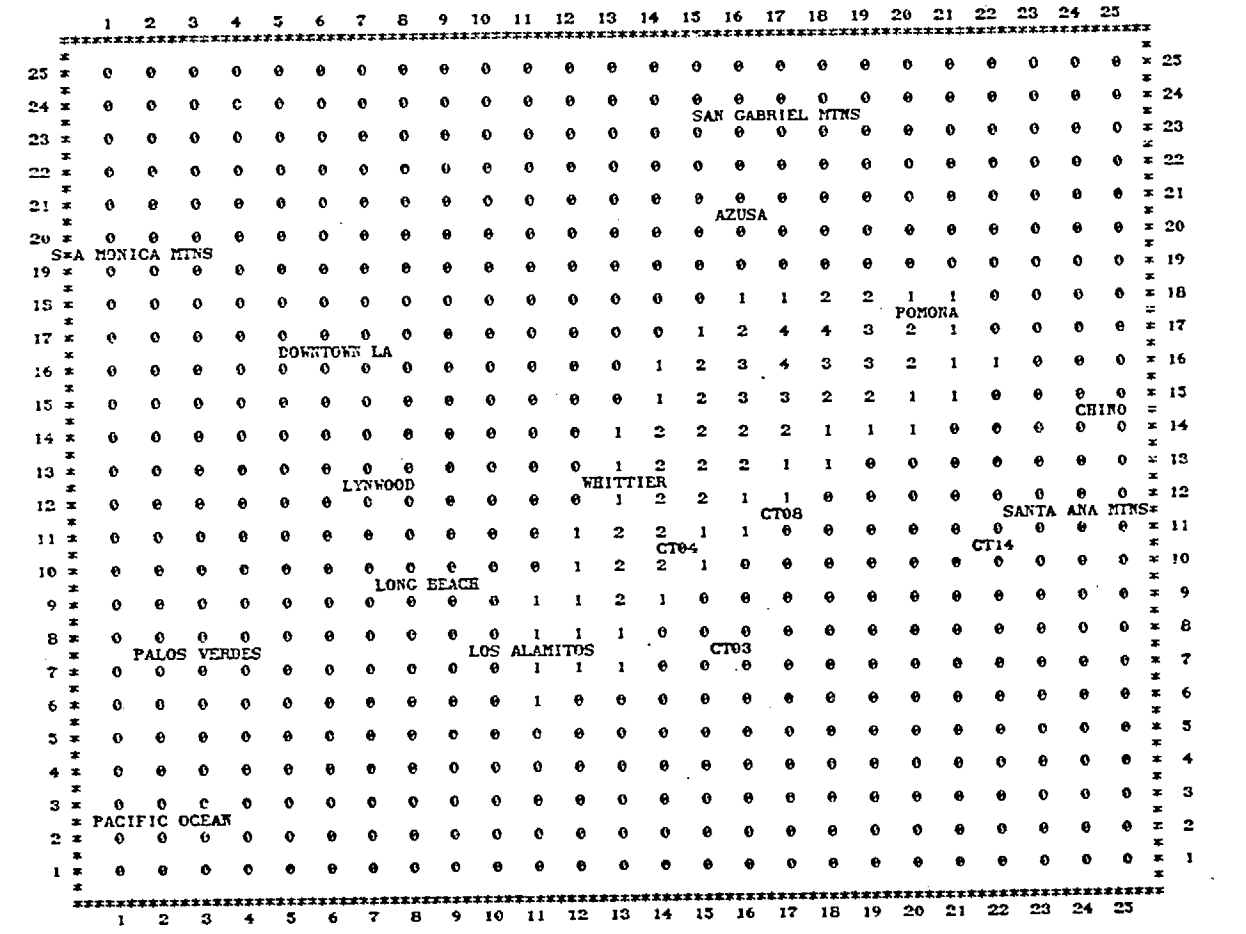
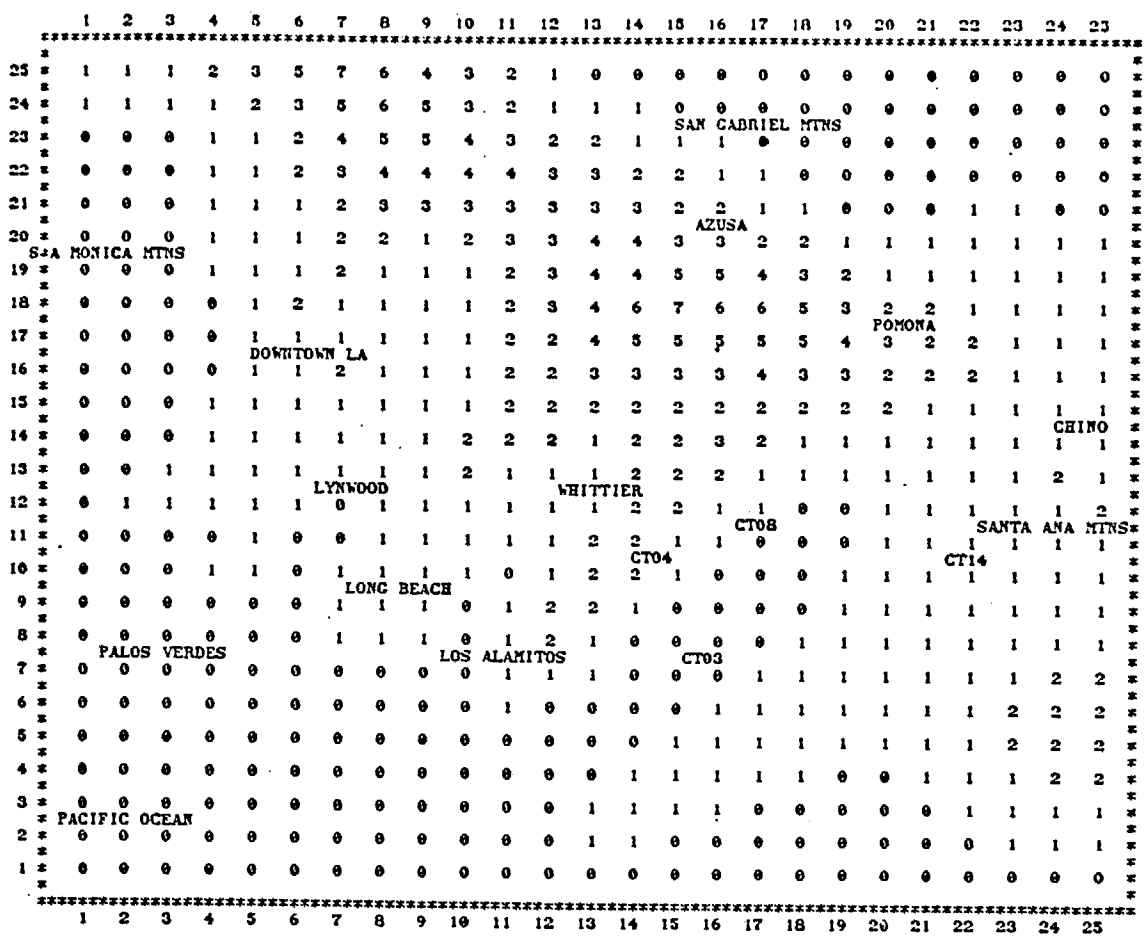
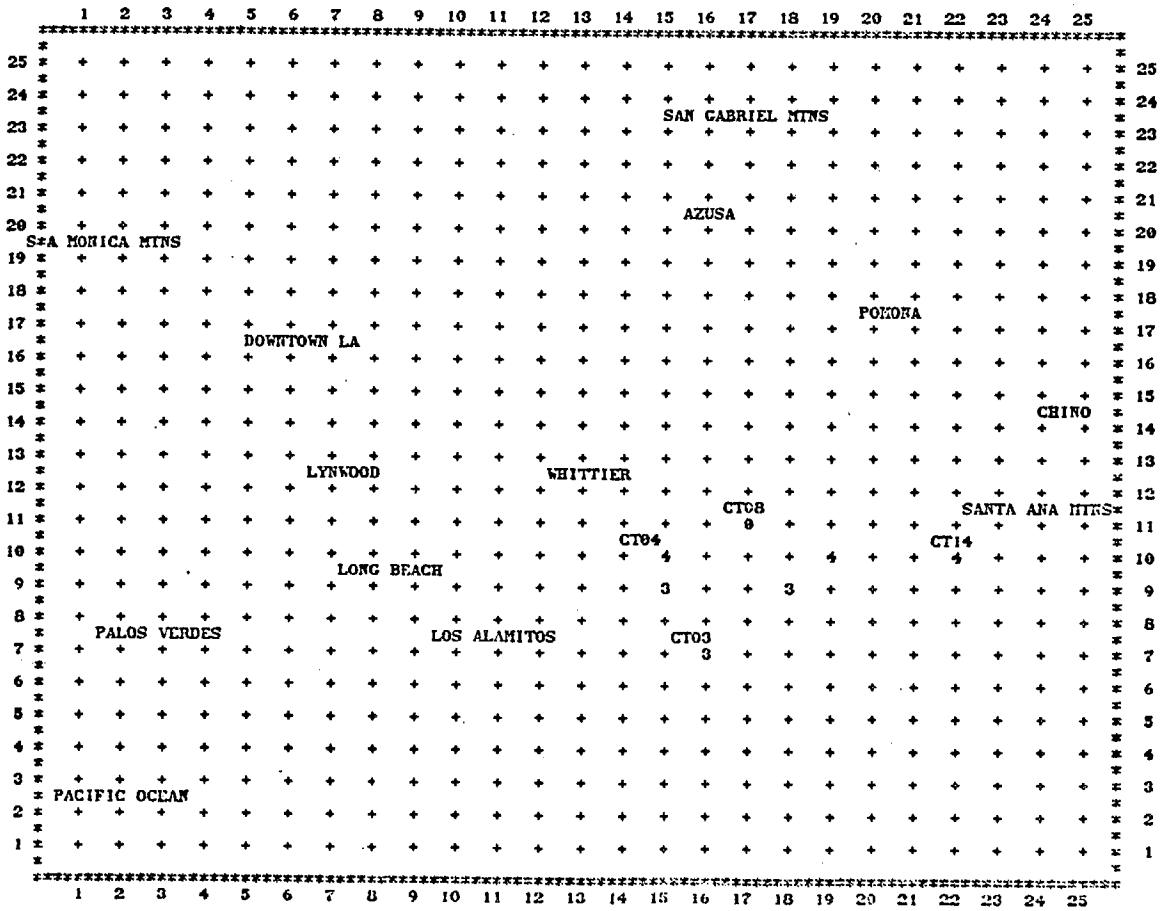
PREDICTED CONCENTRATIONS(PPB) OF SO4 IN THE PLUME ON 741011 BETWEEN THE HOURS OF 1700. AND 1800. PST



PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741011 BETWEEN THE HOURS OF 1700. AND 1800. PST



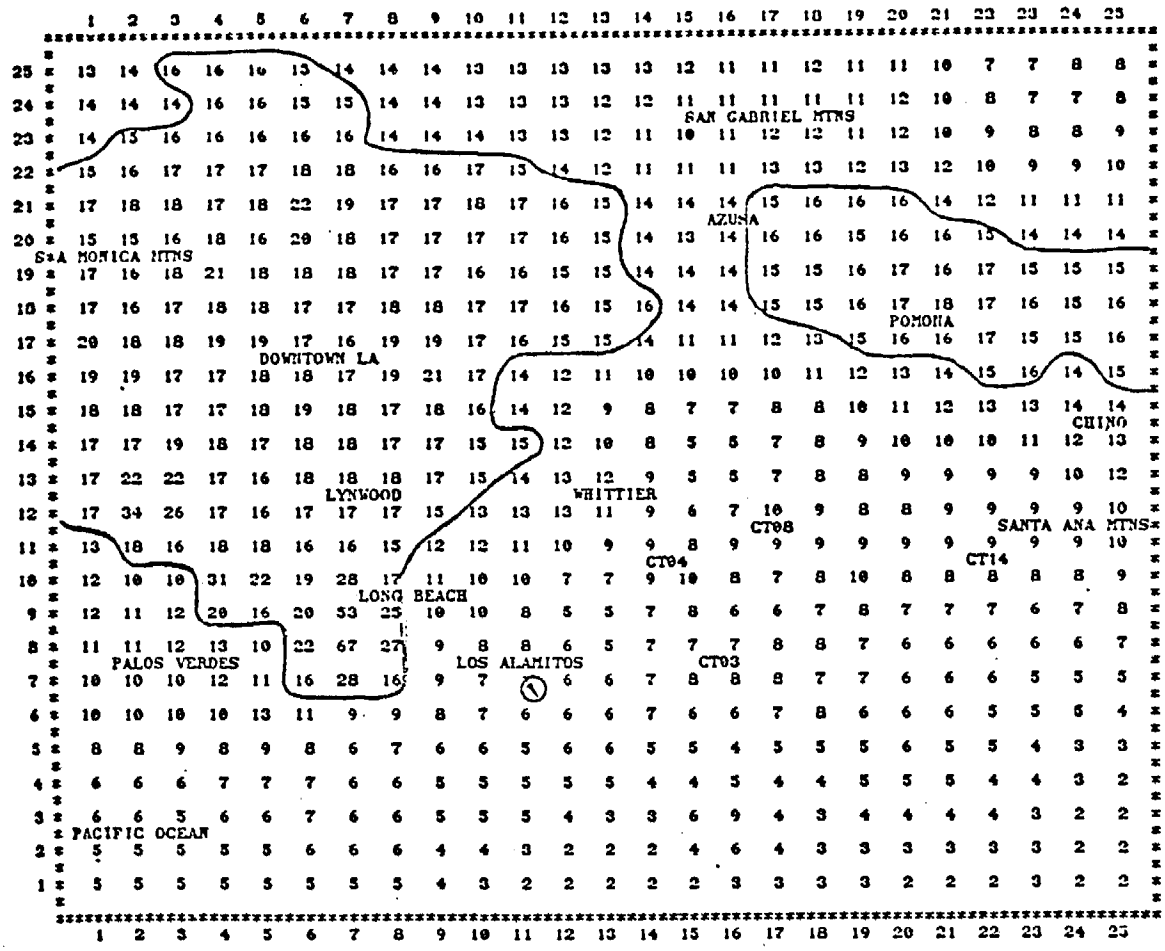
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741011 AVERAGED BETWEEN THE HOURS OF 1700. AND 1800. PST



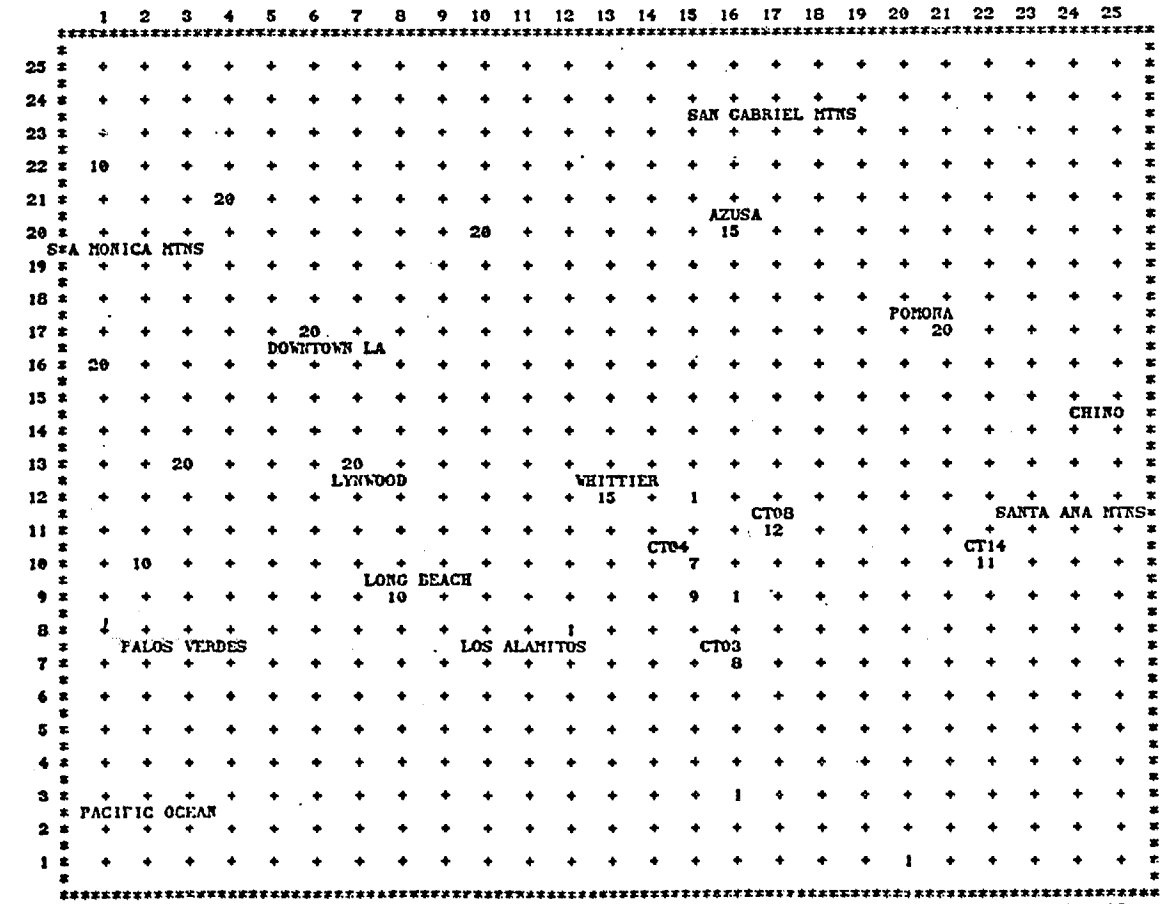
25 OCTOBER 1974

LOS ALAMITOS AND HAYNES

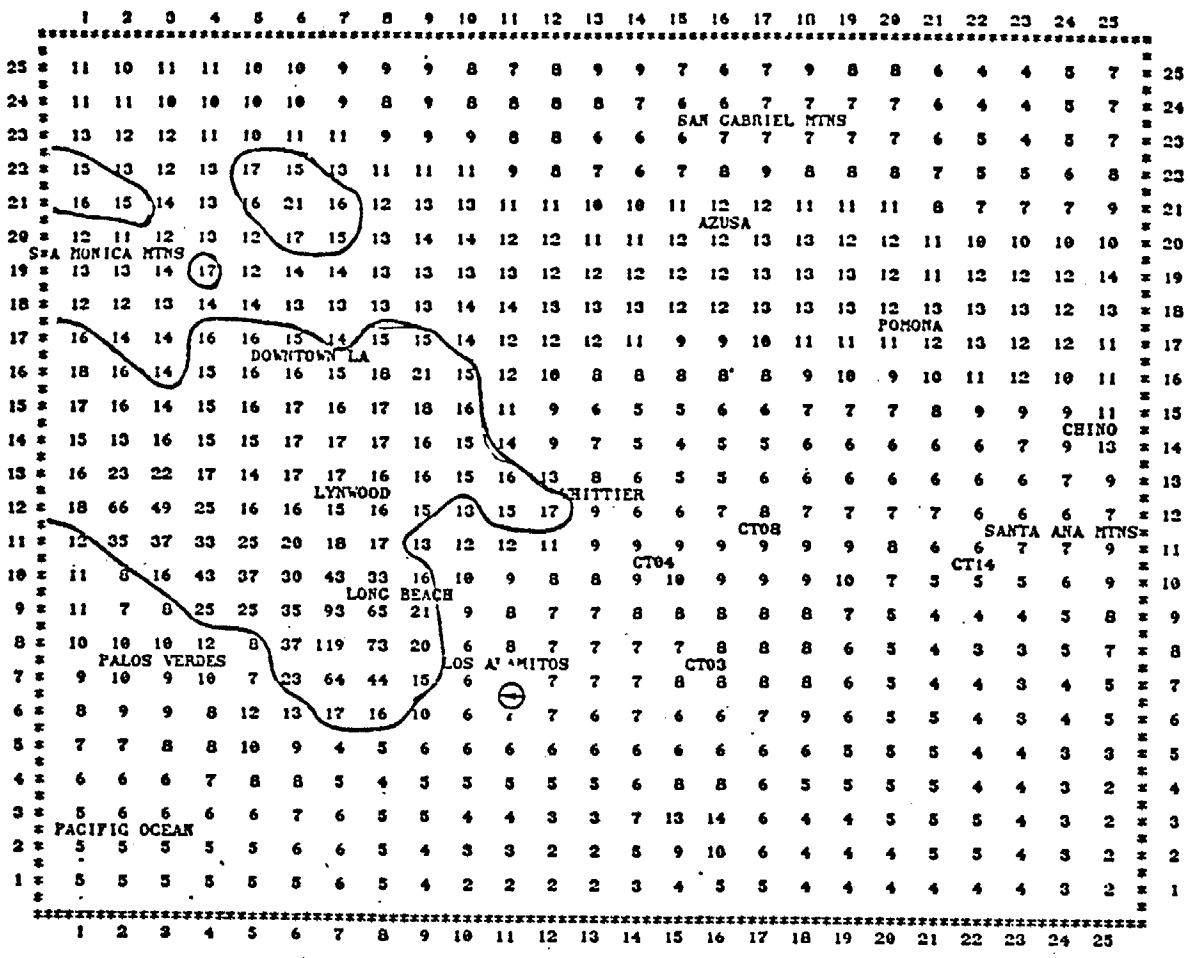
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 BETWEEN THE HOURS OF 600. AND 700. PST



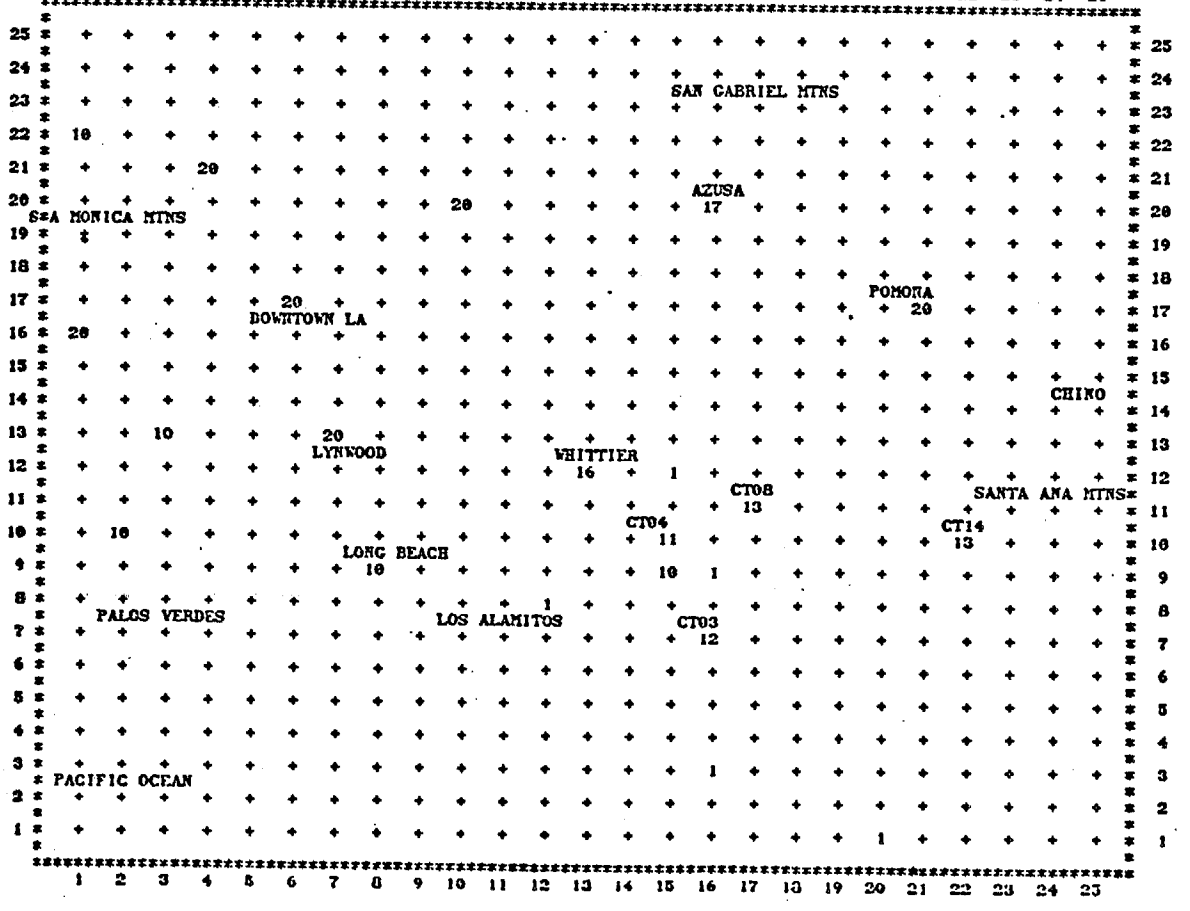
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 AVERAGED BETWEEN THE HOURS OF 600. AND 700. PST



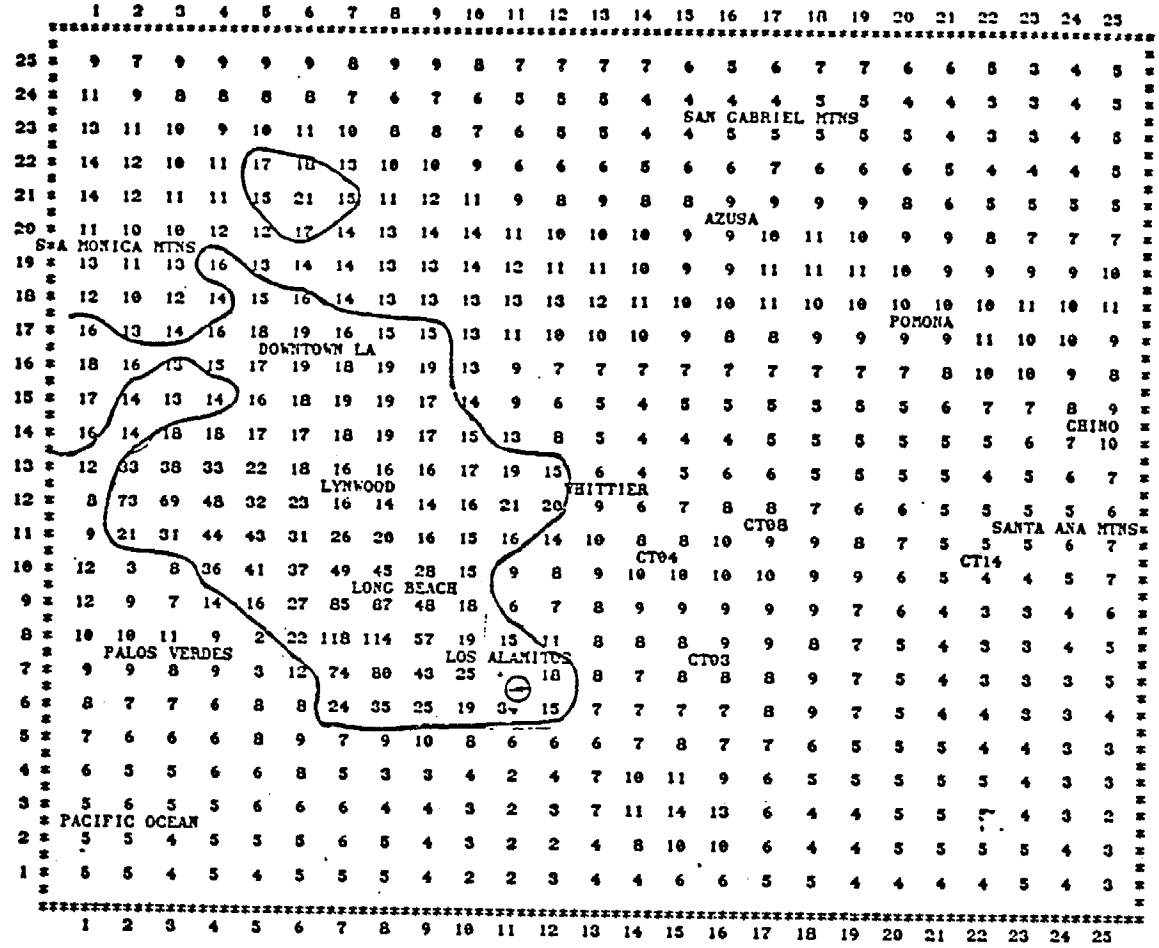
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 BETWEEN THE HOURS OF 700. AND 800. PST



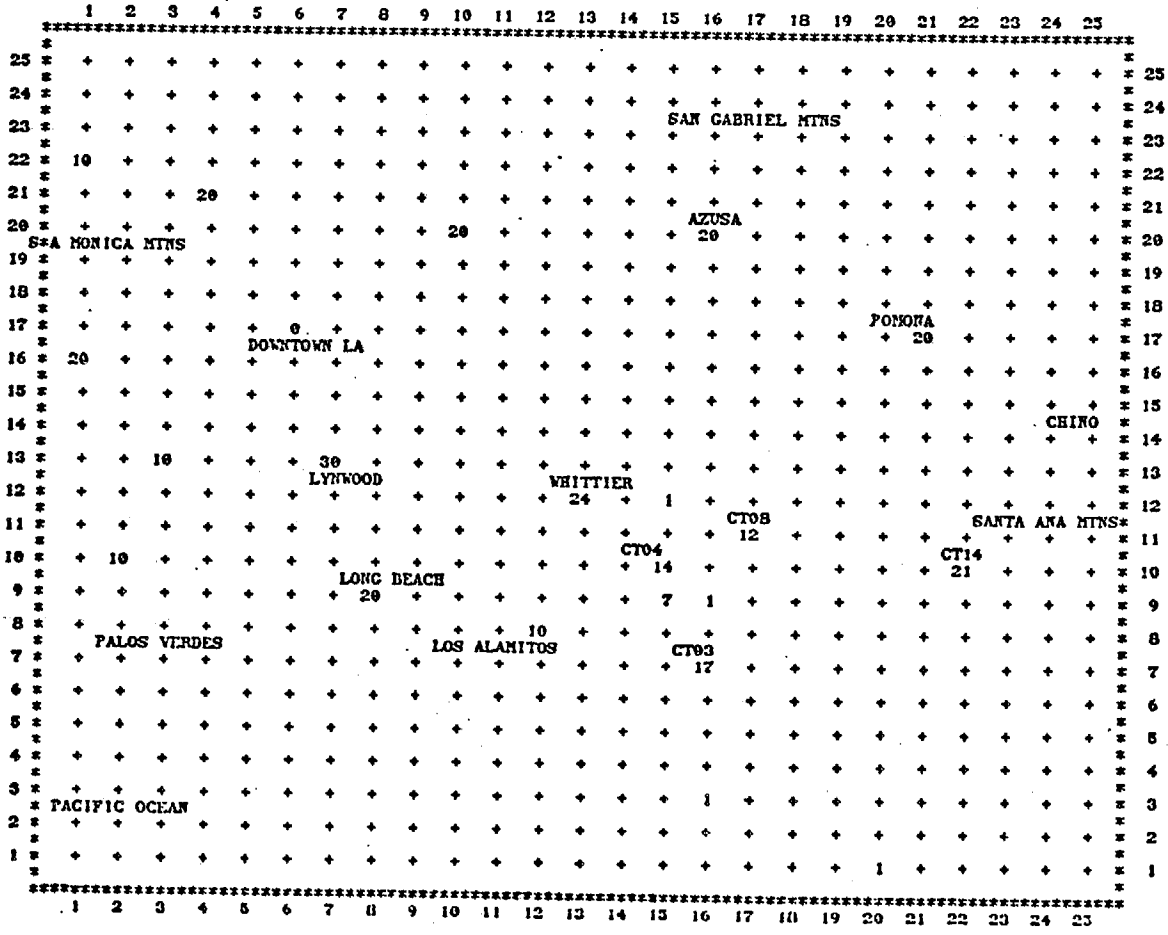
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 AVERAGED BETWEEN THE HOURS OF 700. AND 800. PST



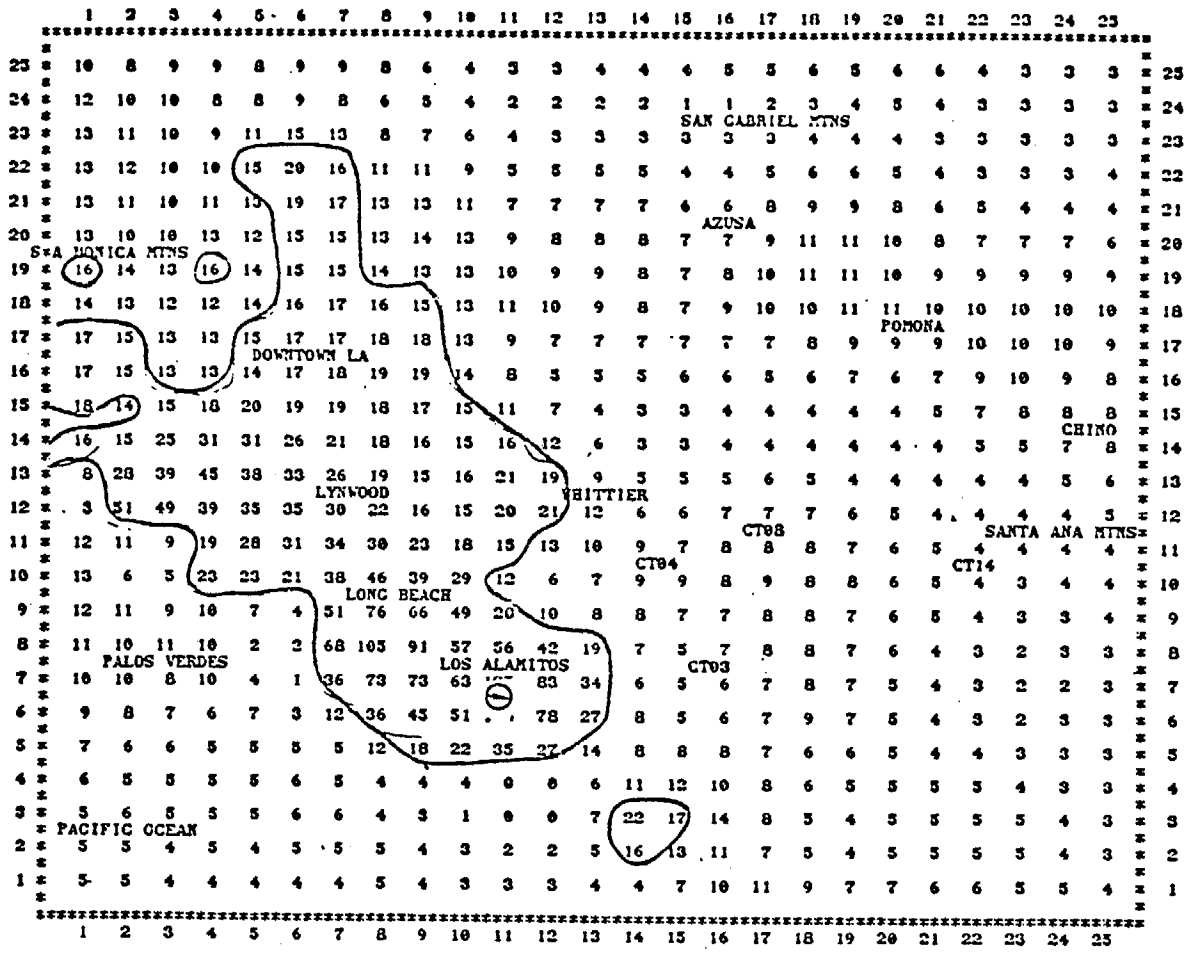
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 BETWEEN THE HOURS OF 800. AND 900. PST



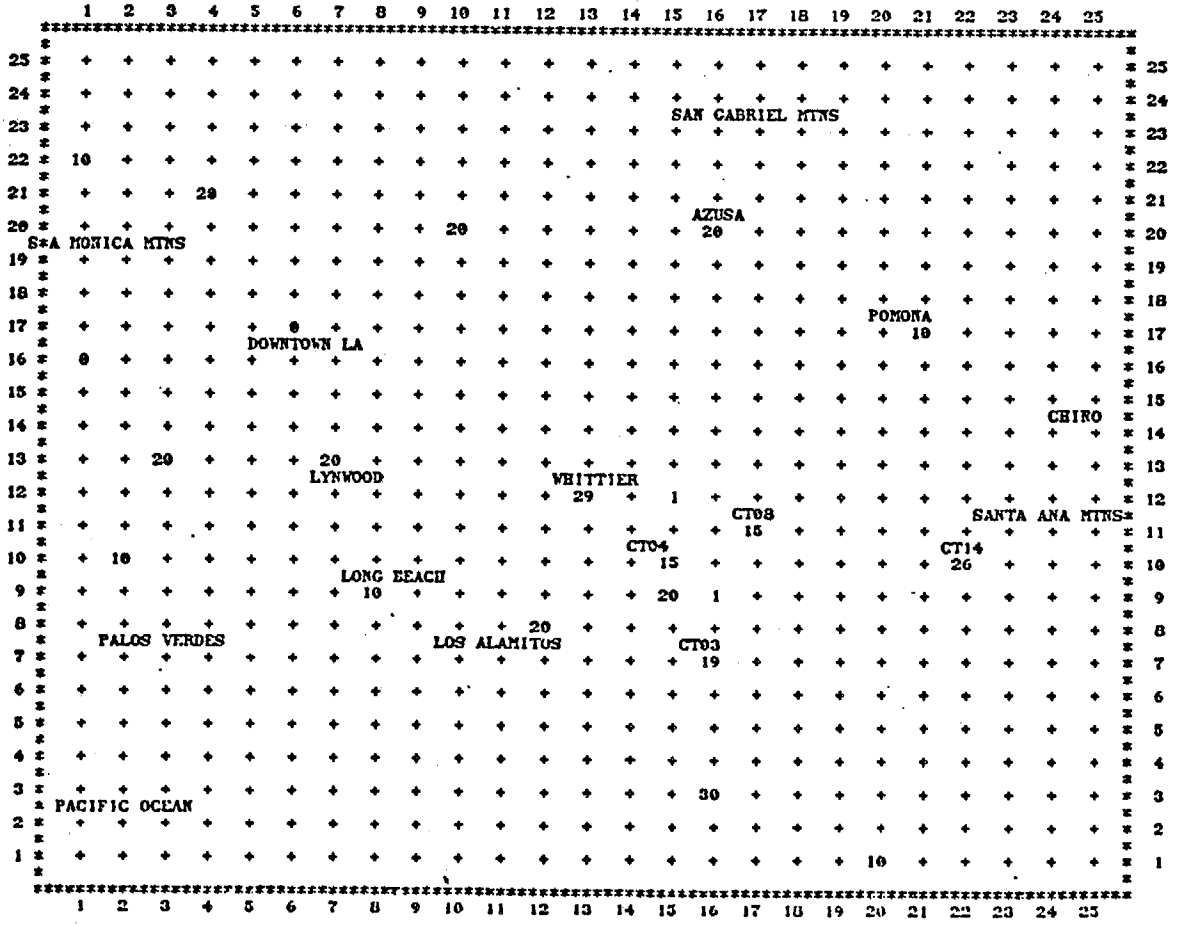
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 AVERAGED BETWEEN THE HOURS OF 800. AND 900. PST



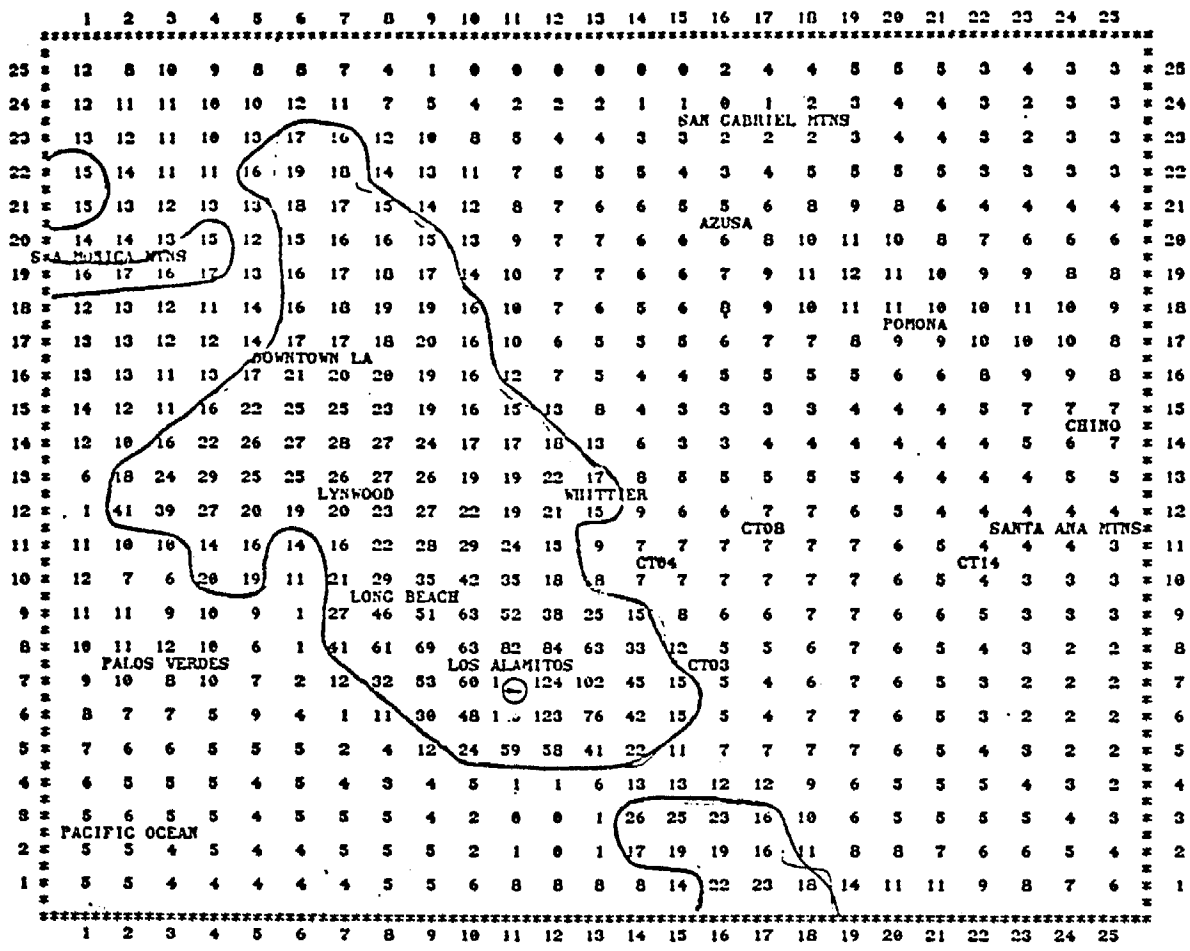
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 BETWEEN THE HOURS OF 900. AND 1000. PST



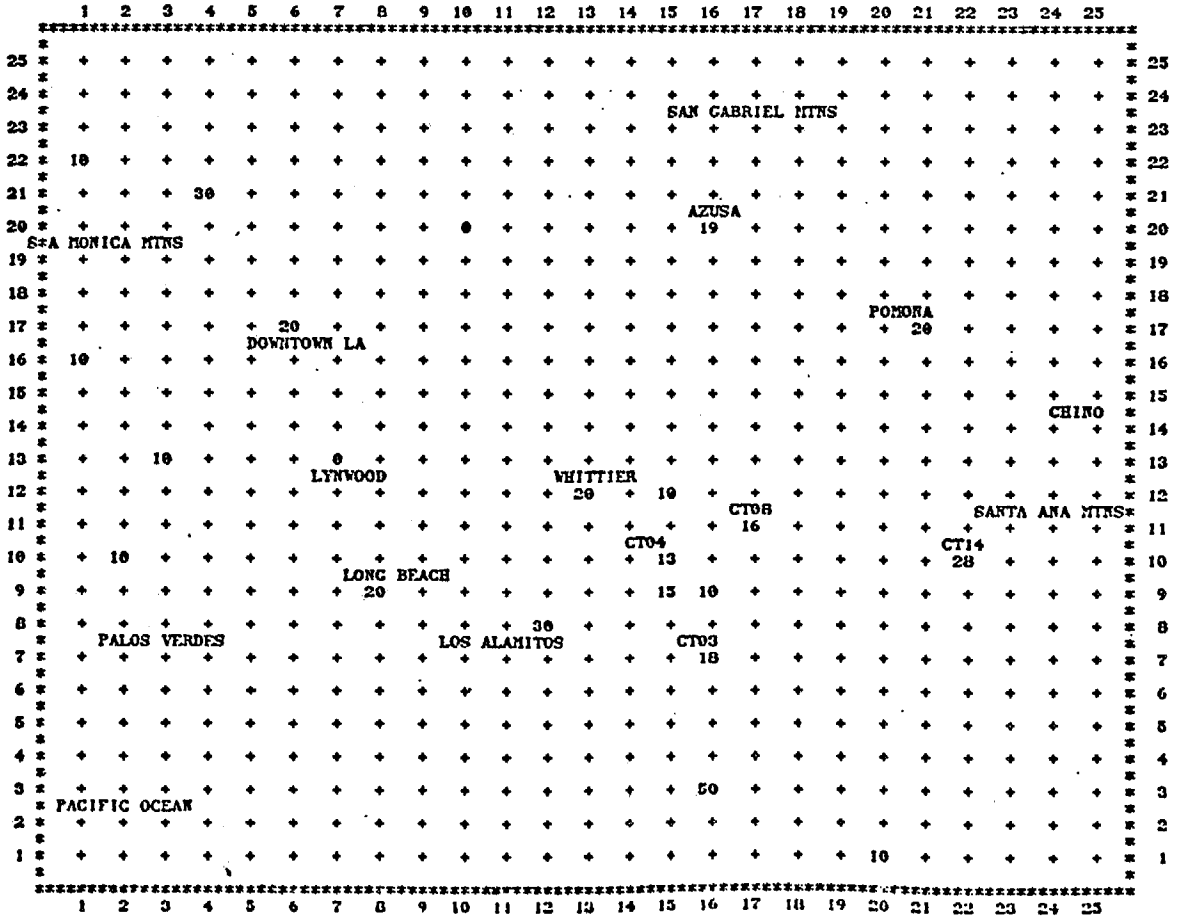
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 AVERAGED BETWEEN THE HOURS OF 900. AND 1000. PST



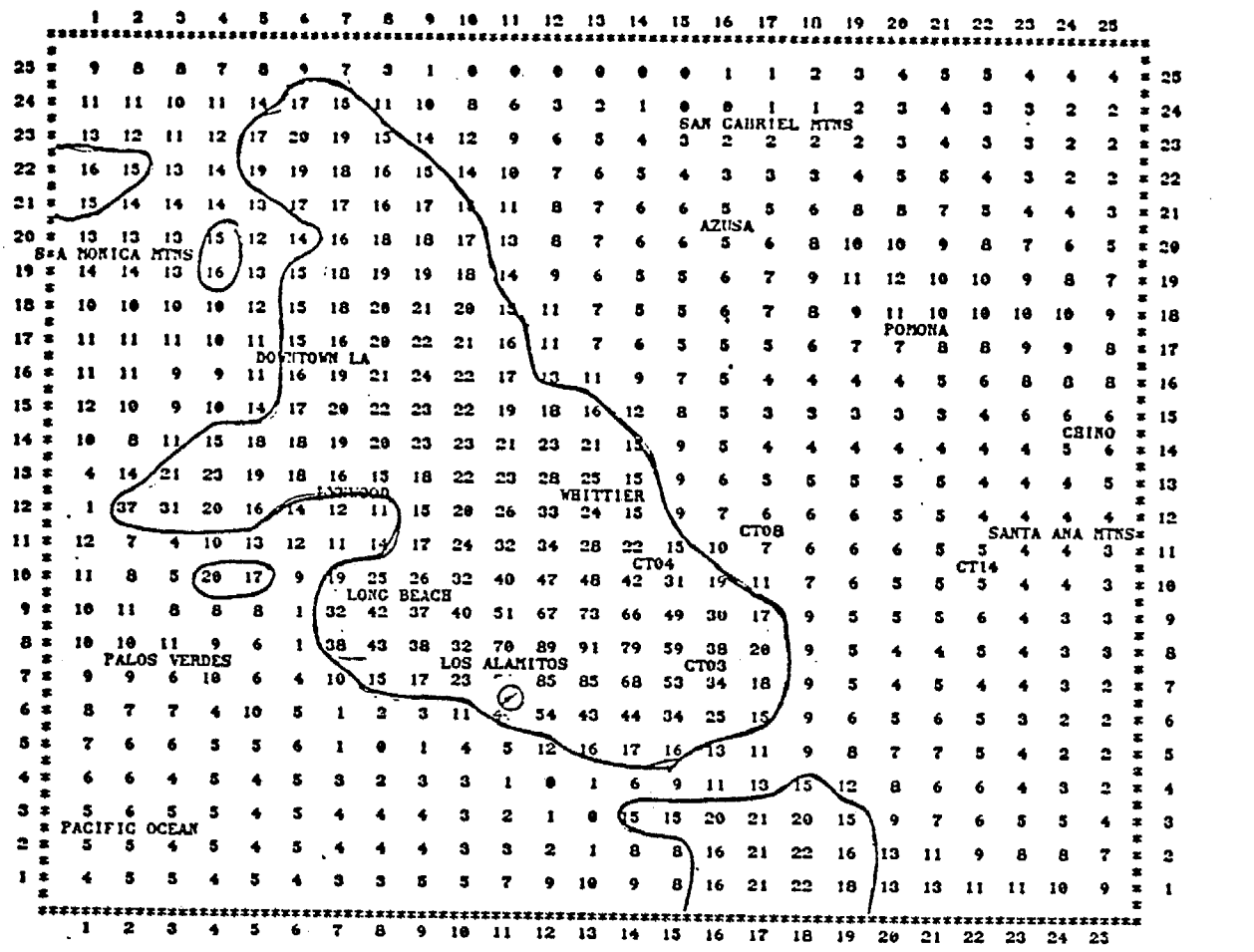
* PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 BETWEEN THE HOURS OF 1000. AND 1100. PST



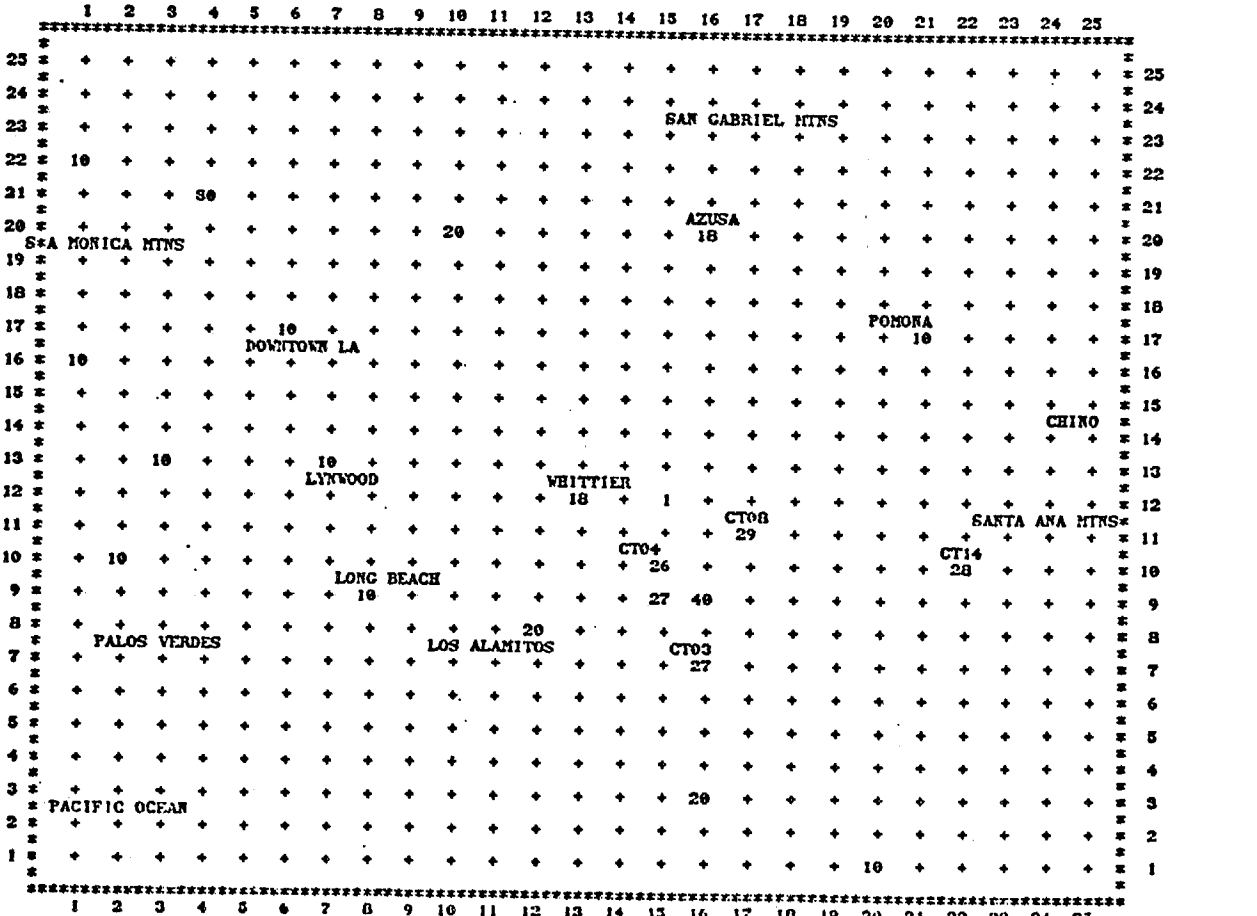
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 AVERAGED BETWEEN THE HOURS OF 1000. AND 1100. PST



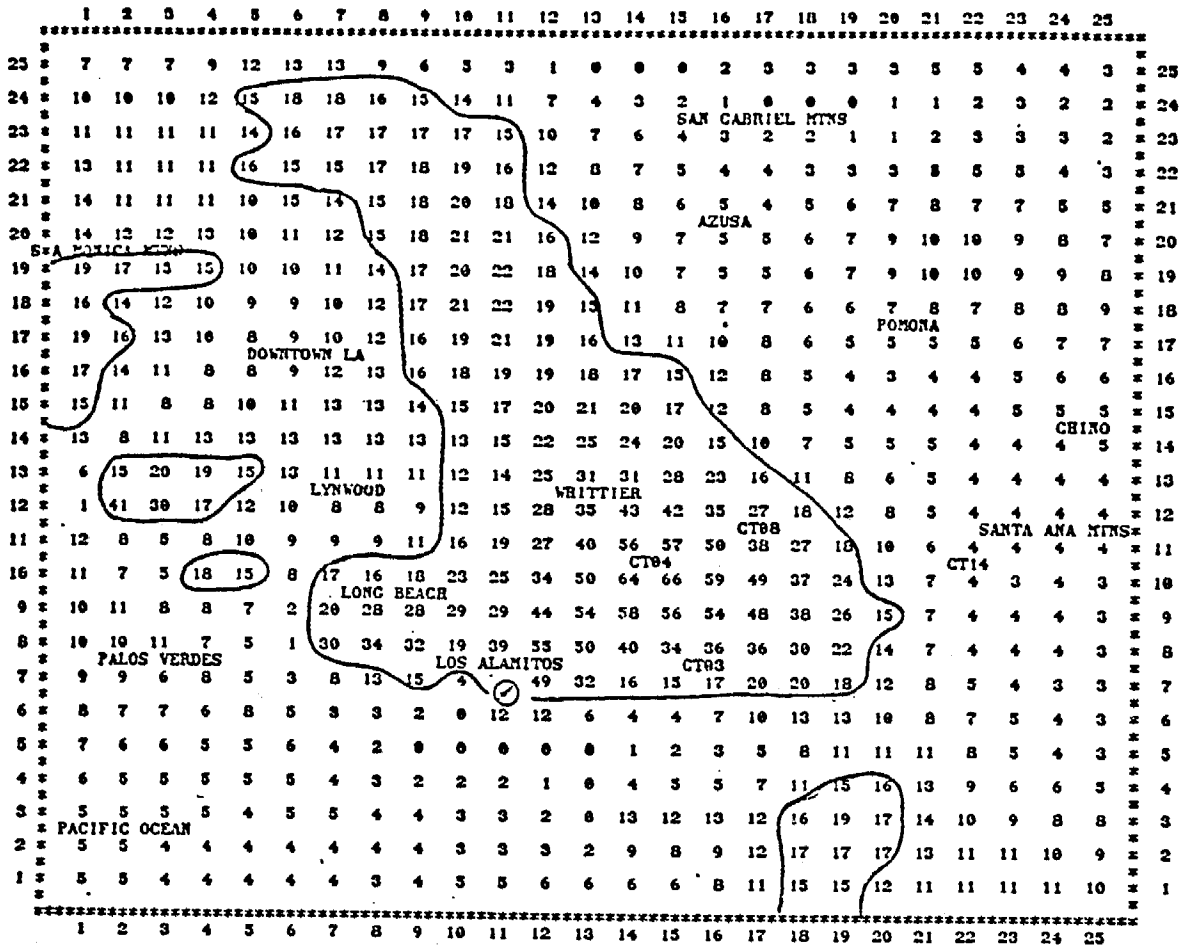
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 BETWEEN THE HOURS OF 1100. AND 1200. PST



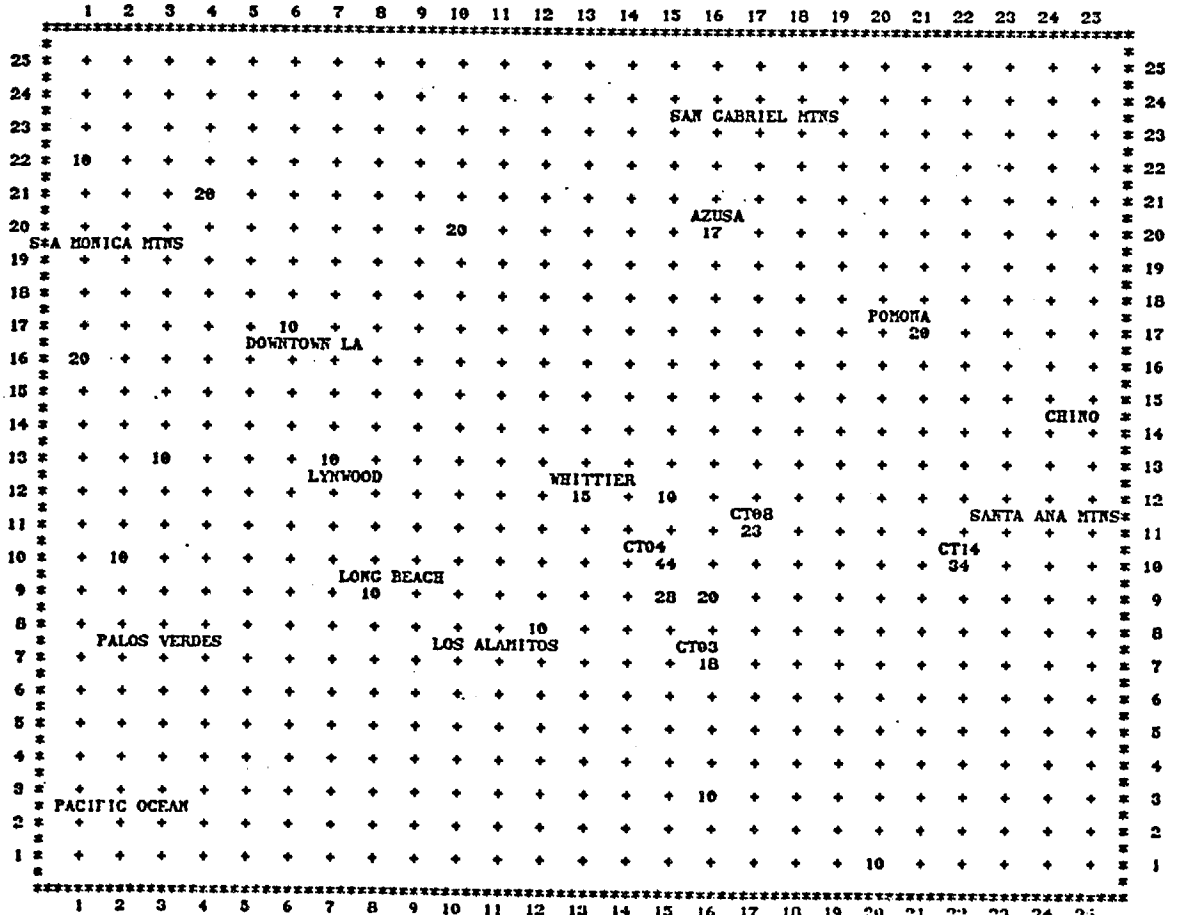
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 AVERAGED BETWEEN THE HOURS OF 1100. AND 1200. PST



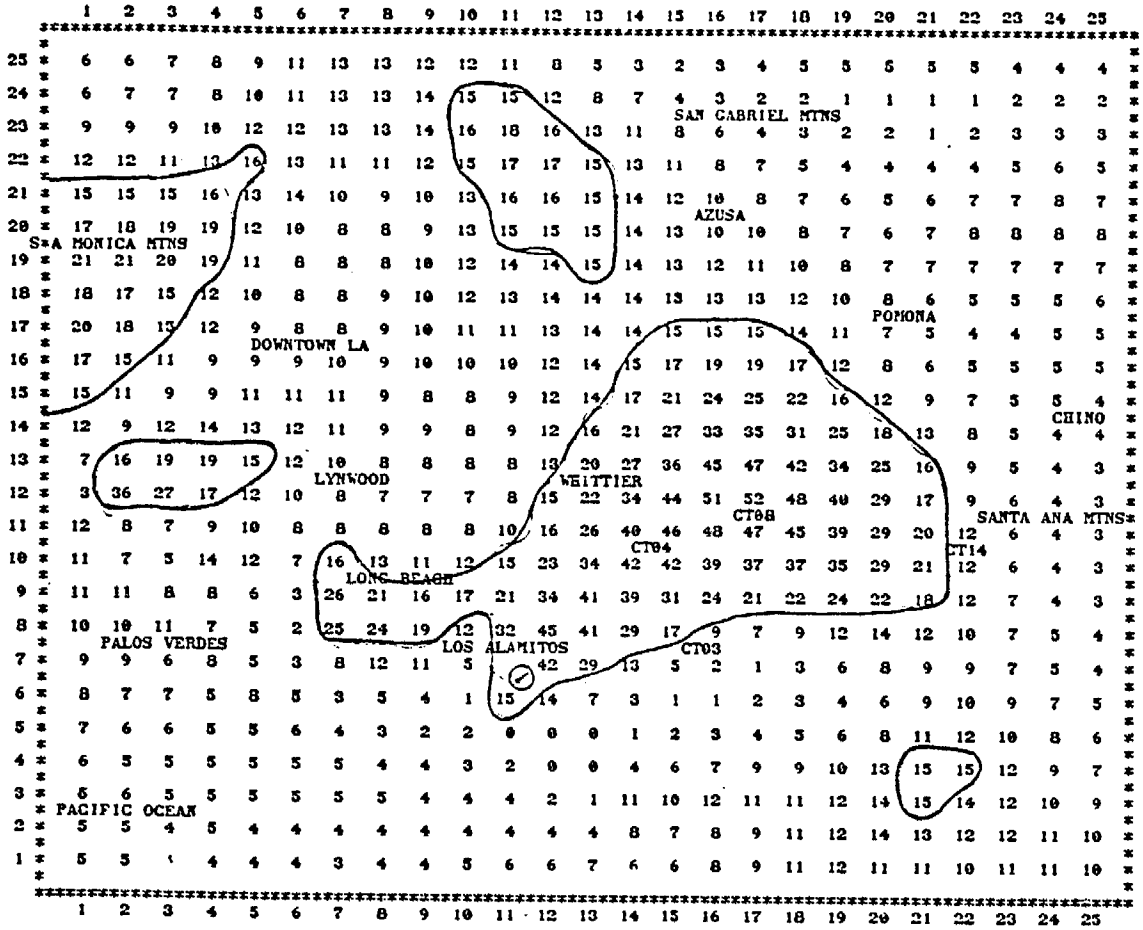
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 BETWEEN THE HOURS OF 1200. AND 1300. PST



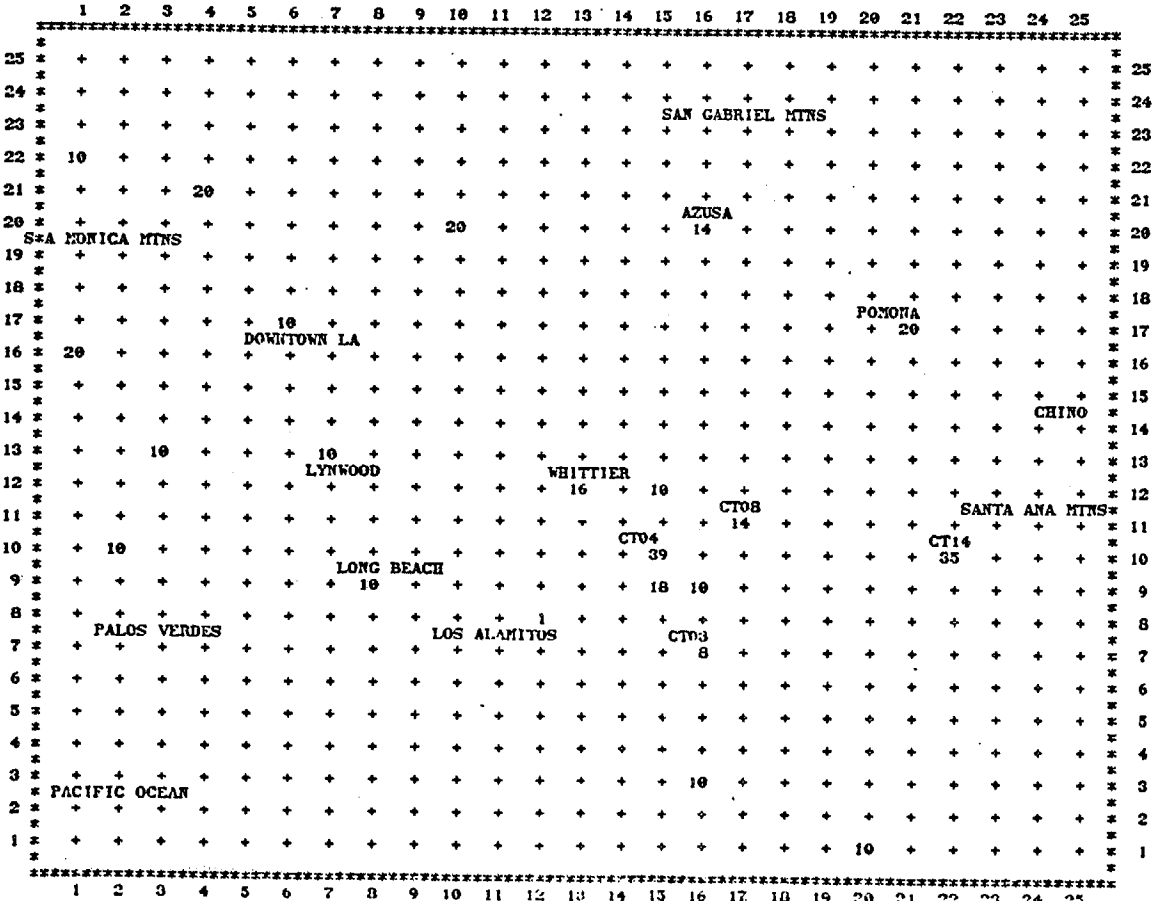
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 AVERAGED BETWEEN THE HOURS OF 1200. AND 1300. PST



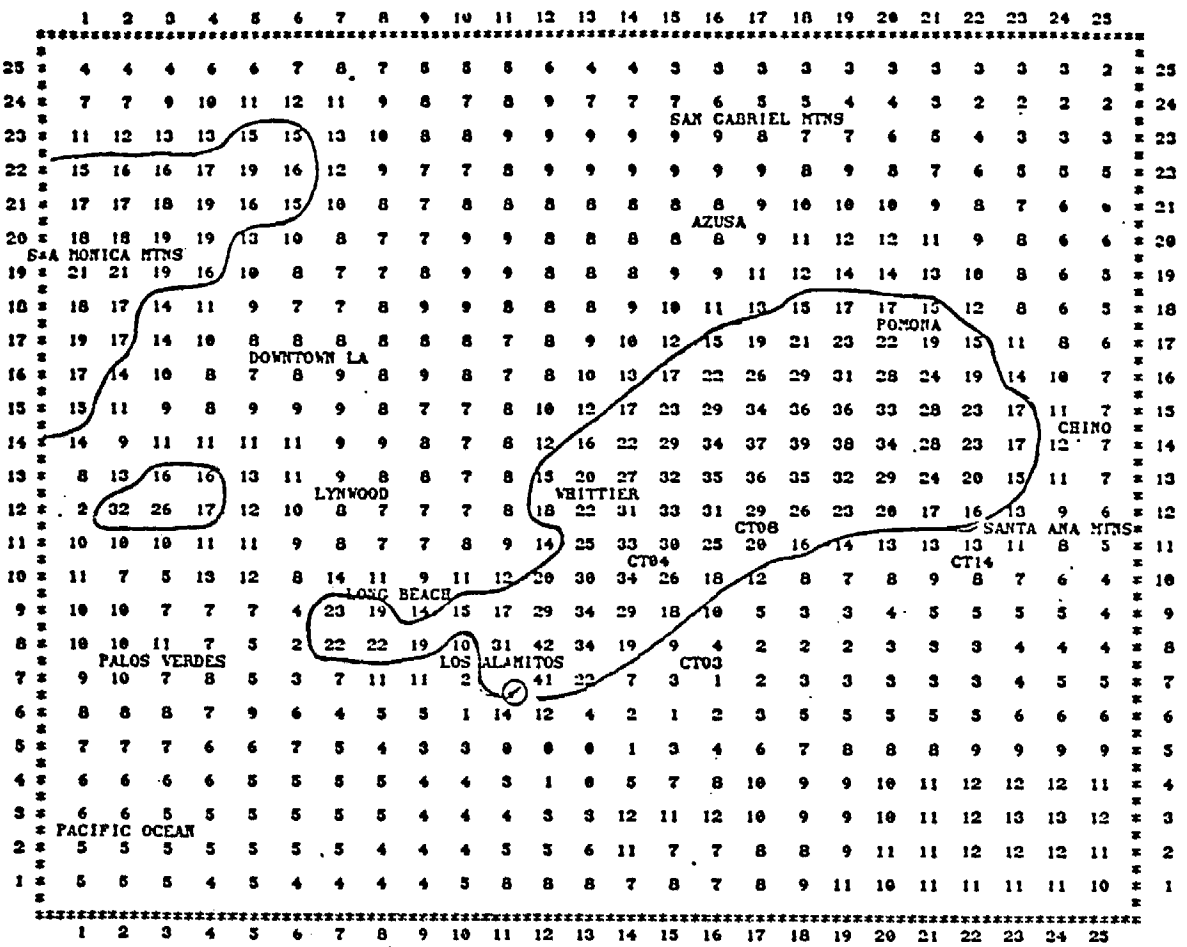
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 BETWEEN THE HOURS OF 1300. AND 1400. PST



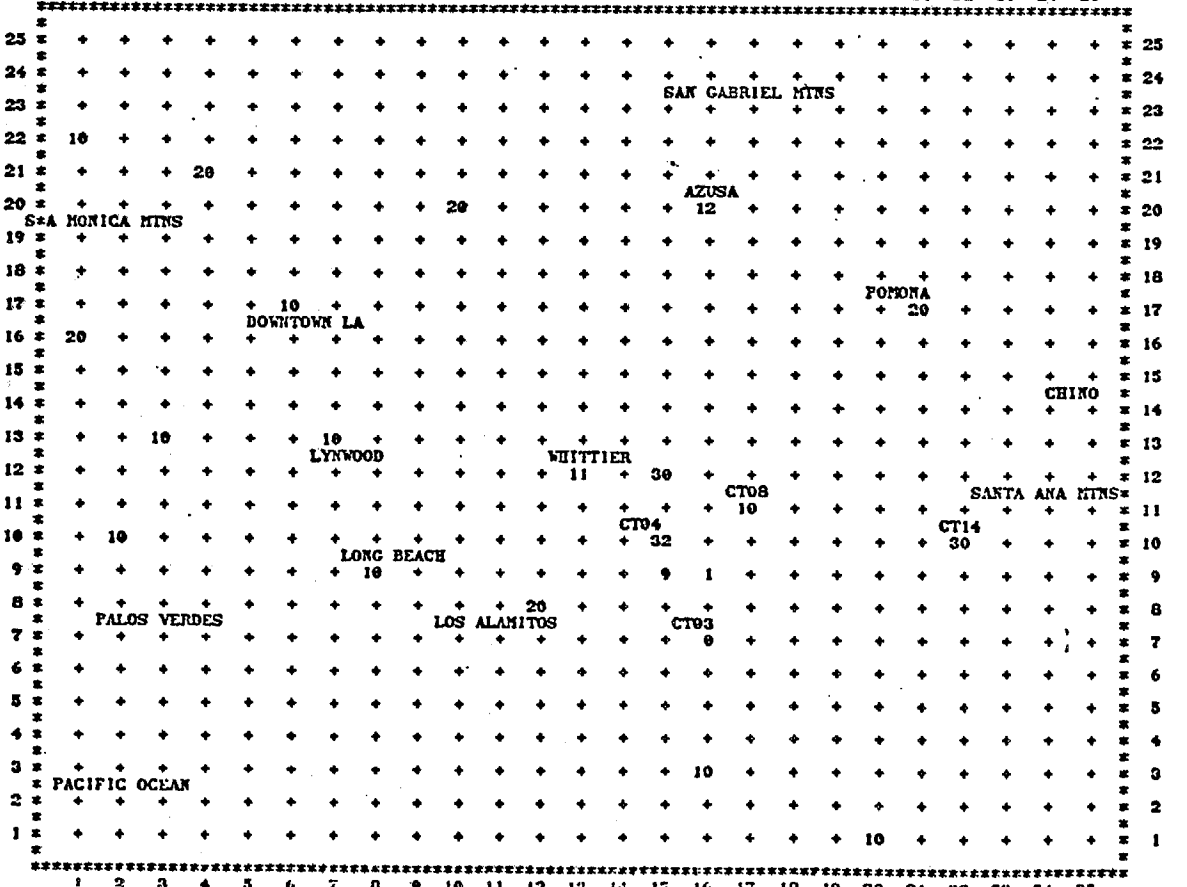
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 AVERAGED BETWEEN THE HOURS OF 1300. AND 1400. PST



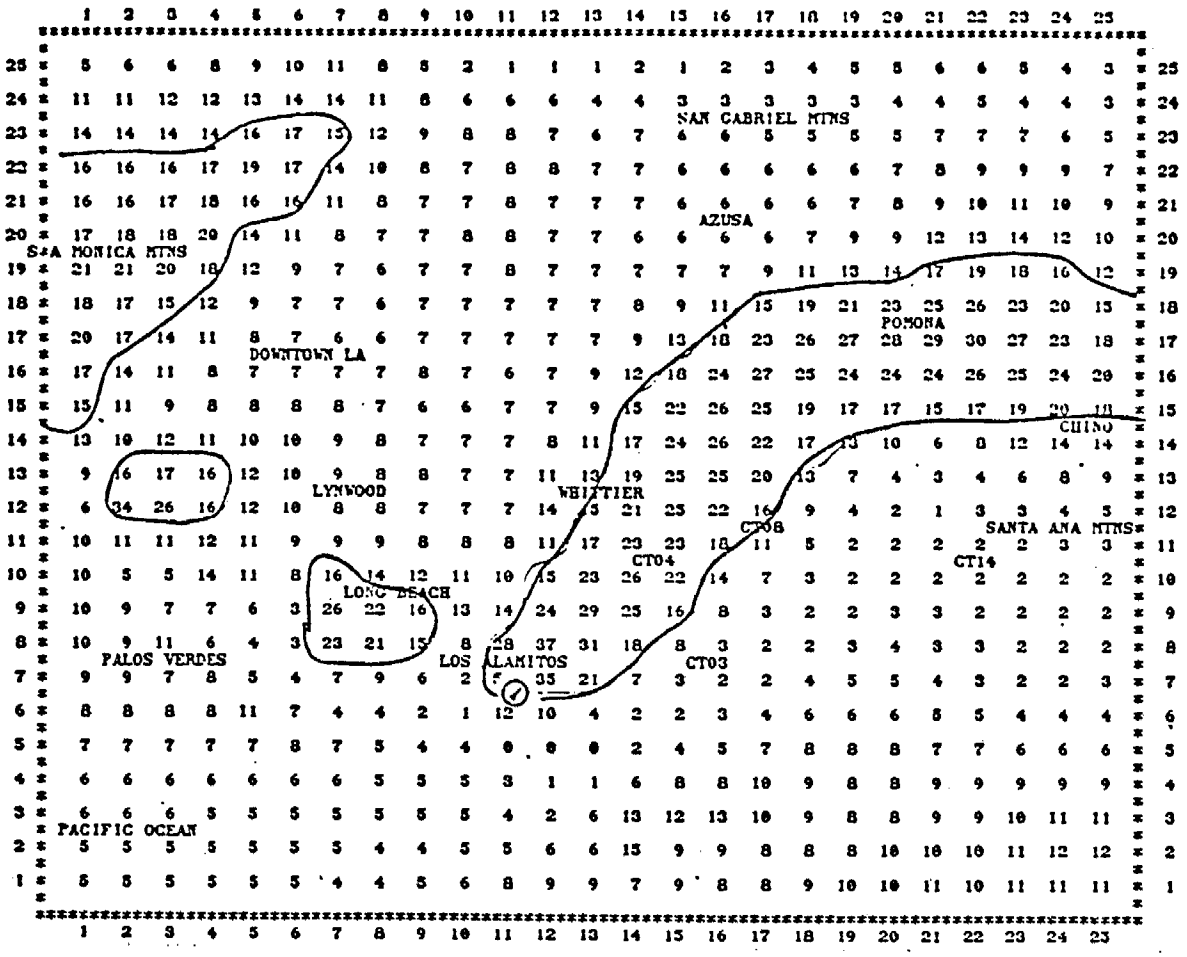
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 BETWEEN THE HOURS OF 1400. AND 1500. PST



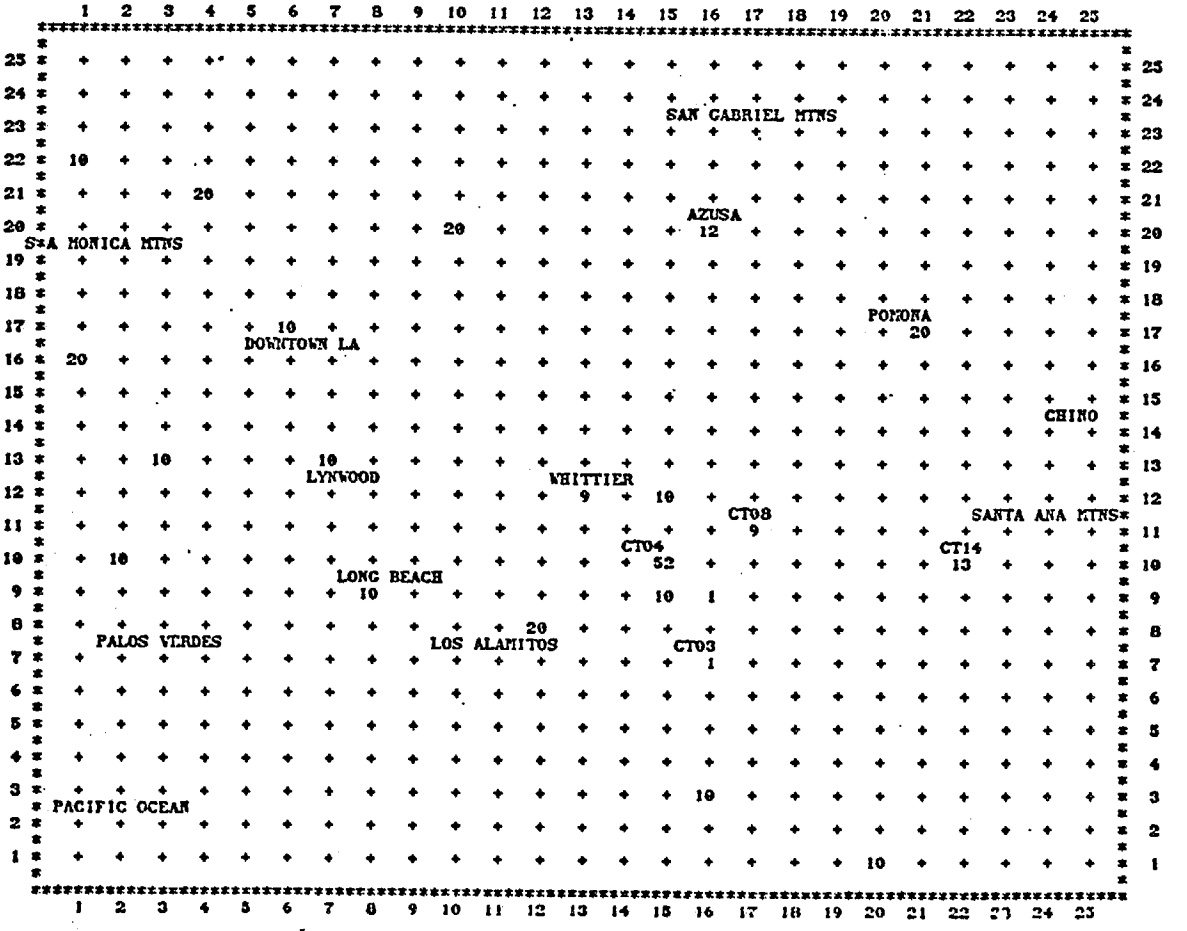
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 AVERAGED BETWEEN THE HOURS OF 1400. AND 1500. PST



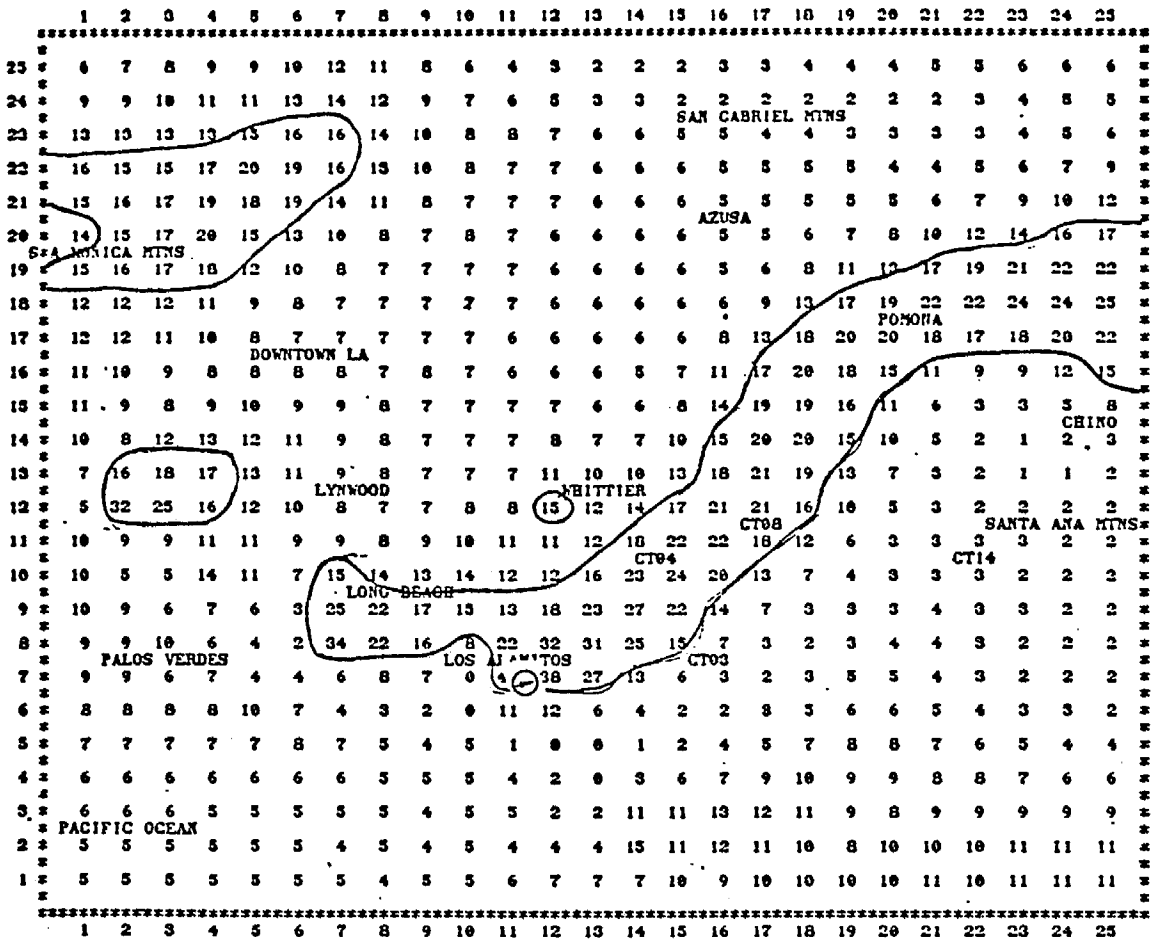
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 BETWEEN THE HOURS OF 1500. AND 1600. PST



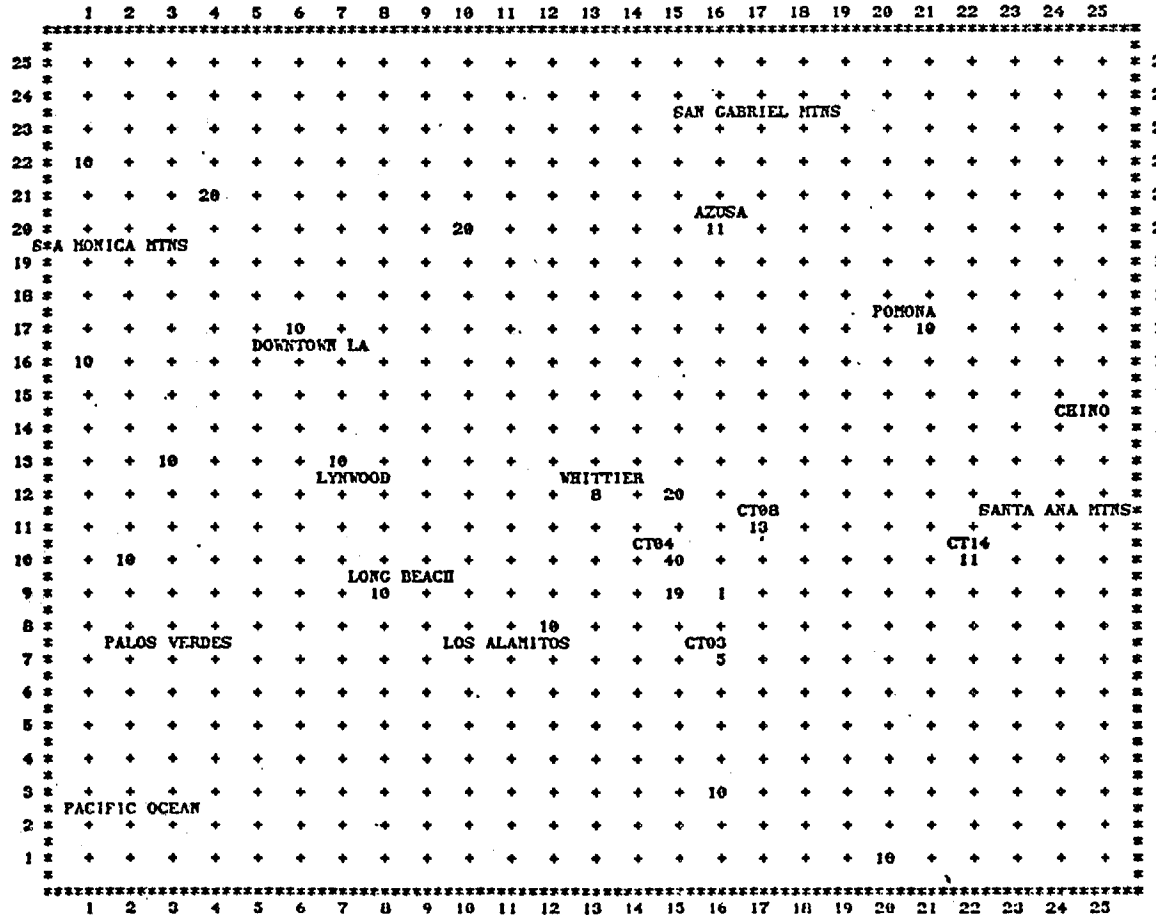
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 AVERAGED BETWEEN THE HOURS OF 1500. AND 1600. PST



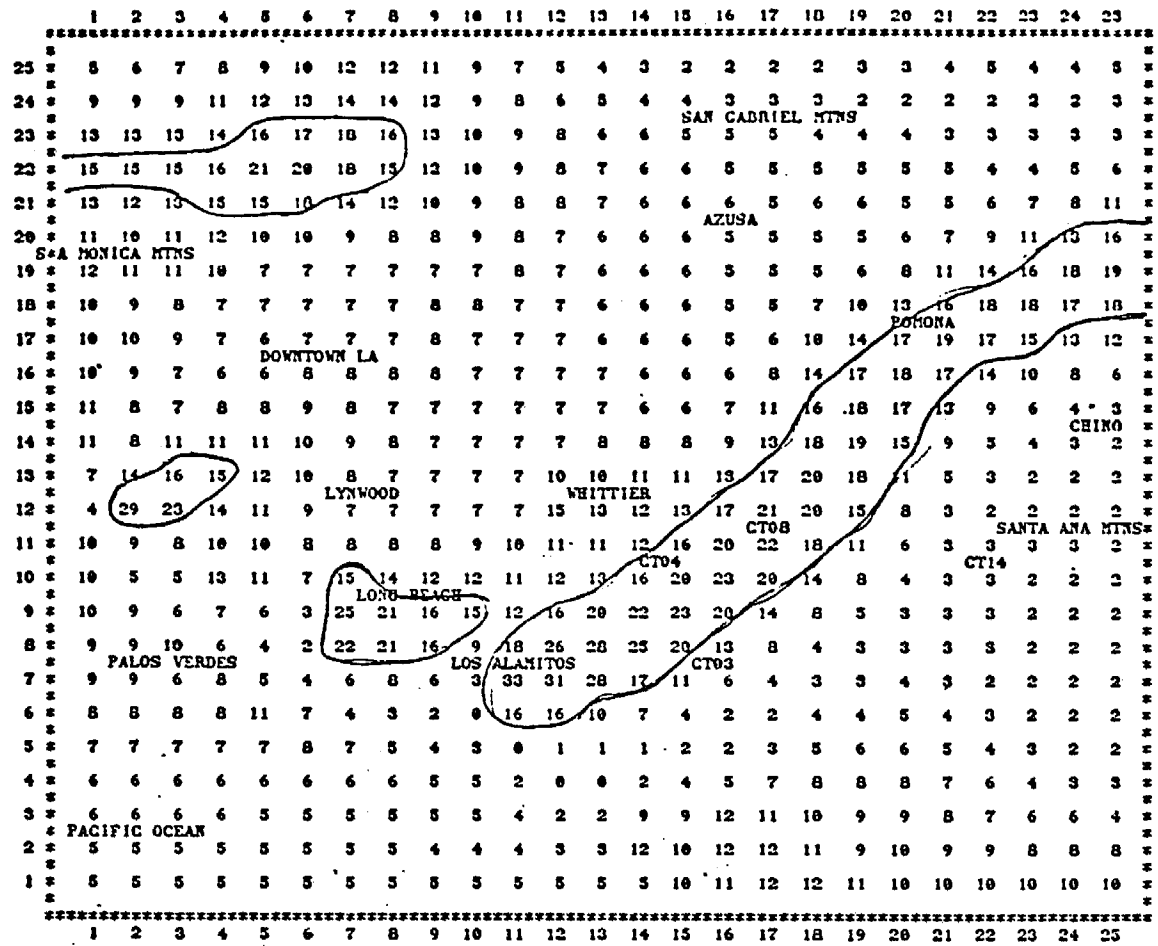
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 BETWEEN THE HOURS OF 1600. AND 1700. PST



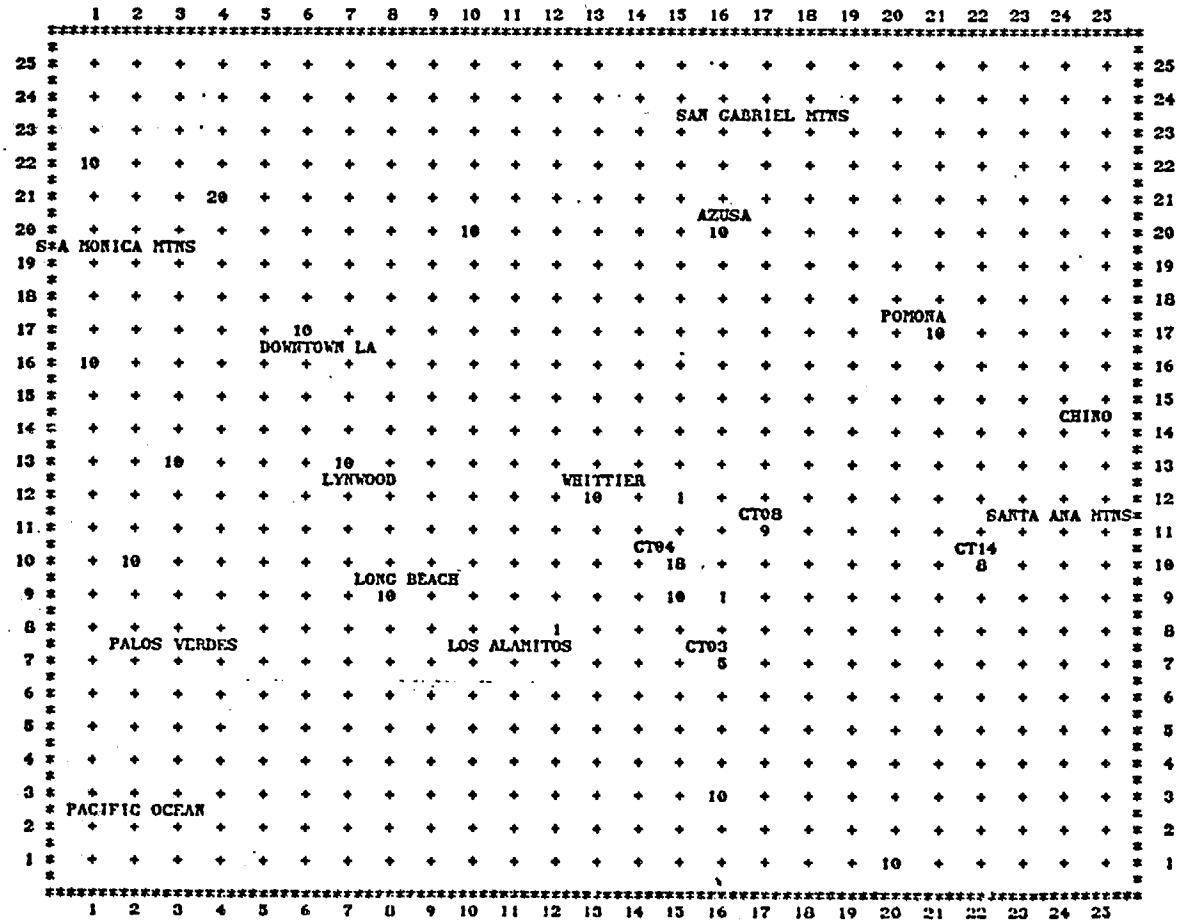
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 AVERAGED BETWEEN THE HOURS OF 1600. AND 1700. PST



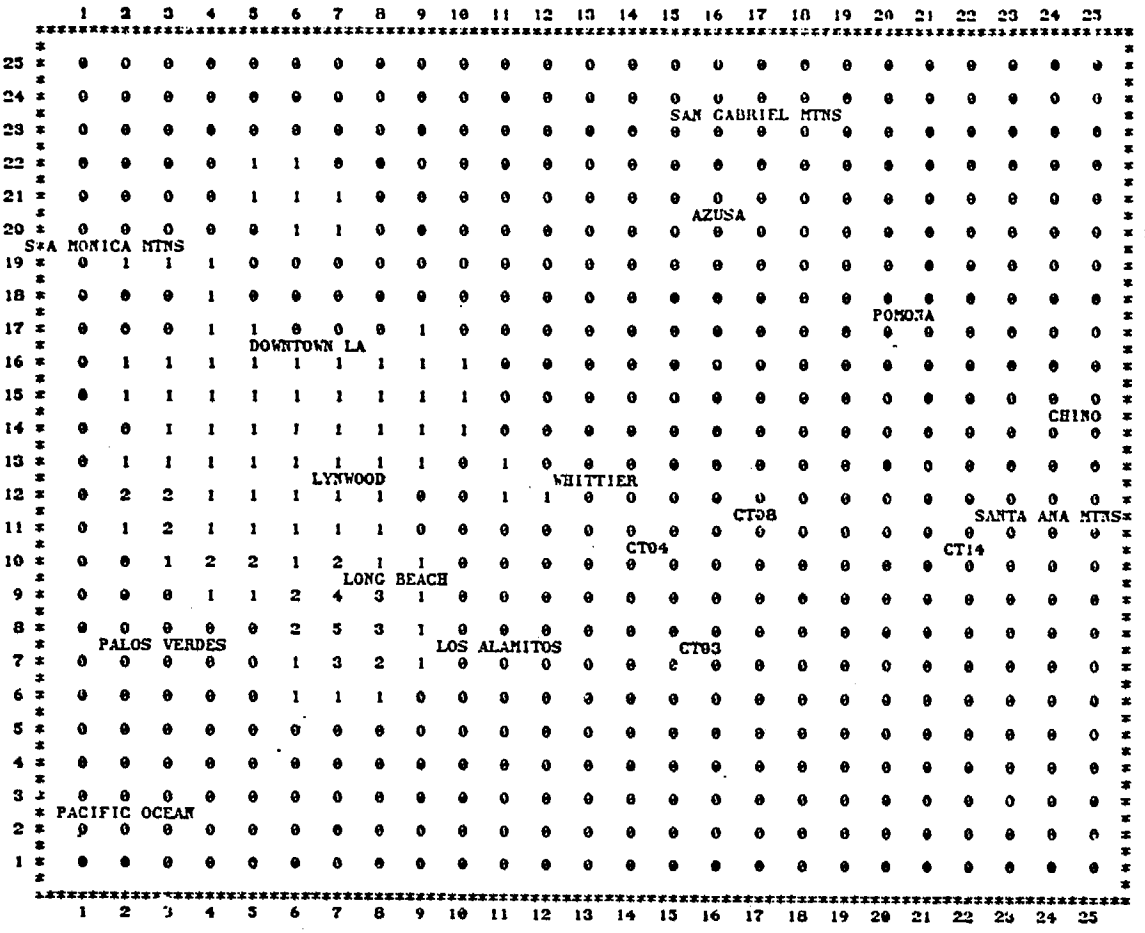
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 BETWEEN THE HOURS OF 1700. AND 1800. PST



MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741025 AVERAGED BETWEEN THE HOURS OF 1700. AND 1800. PST

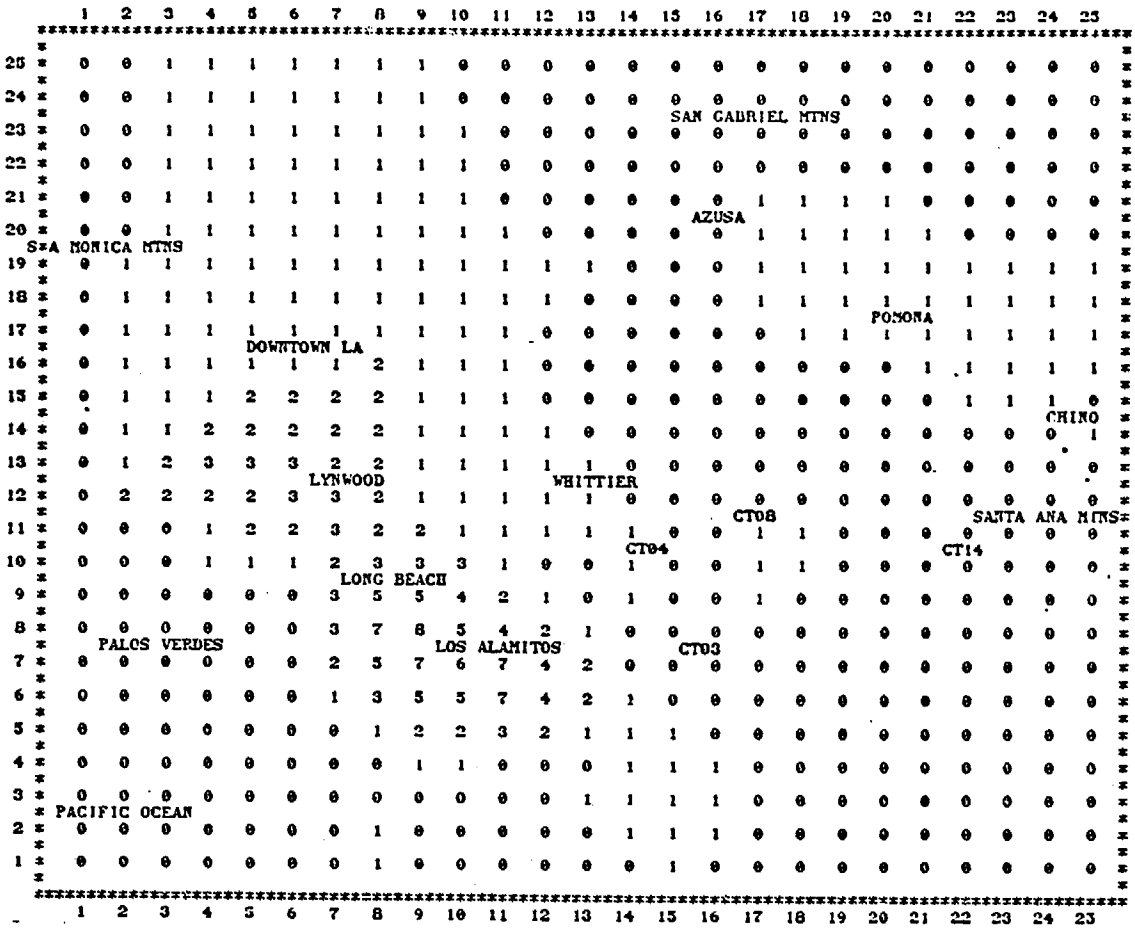


PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741025 BETWEEN THE HOURS OF 700. AND 800. PST

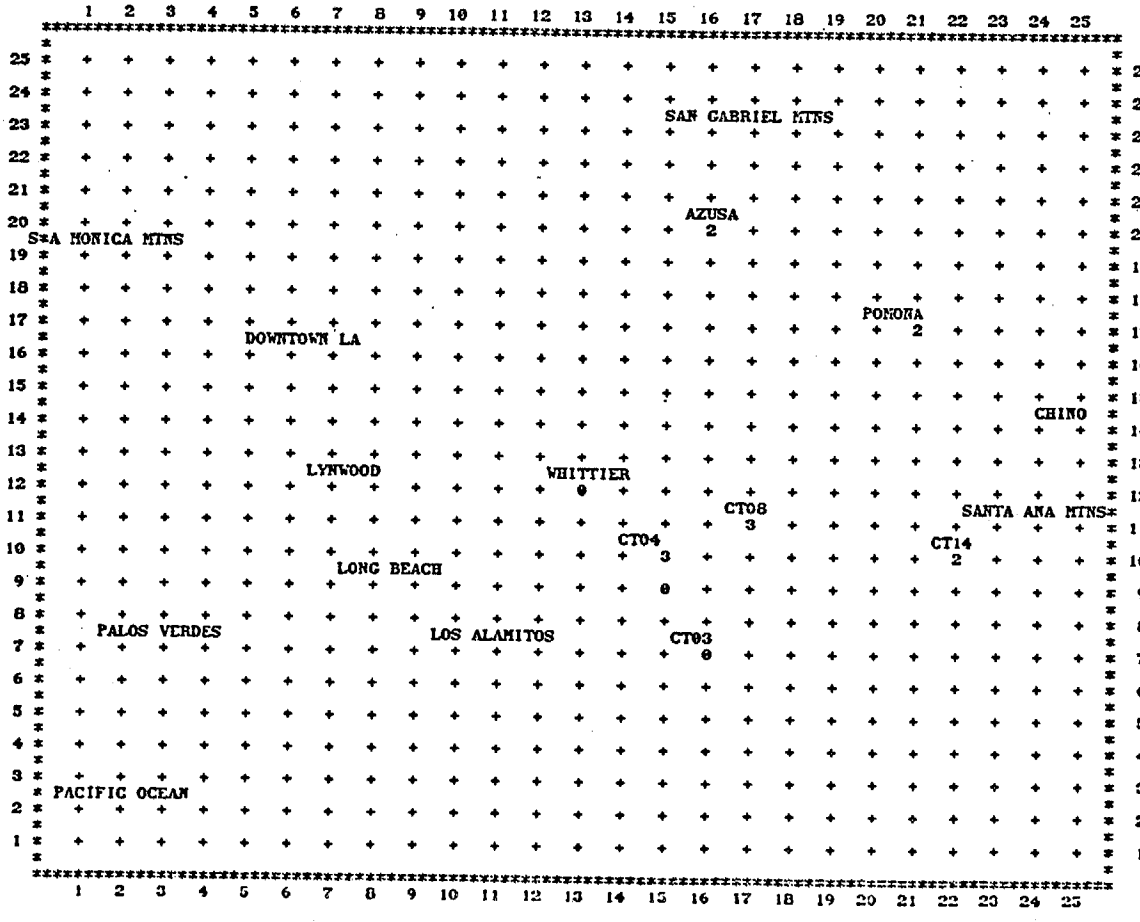


[NO $SO_4^=$ DATA WAS REPORTED FOR THIS HOUR]

PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741025 BETWEEN THE HOURS OF 900. AND 1000. PST

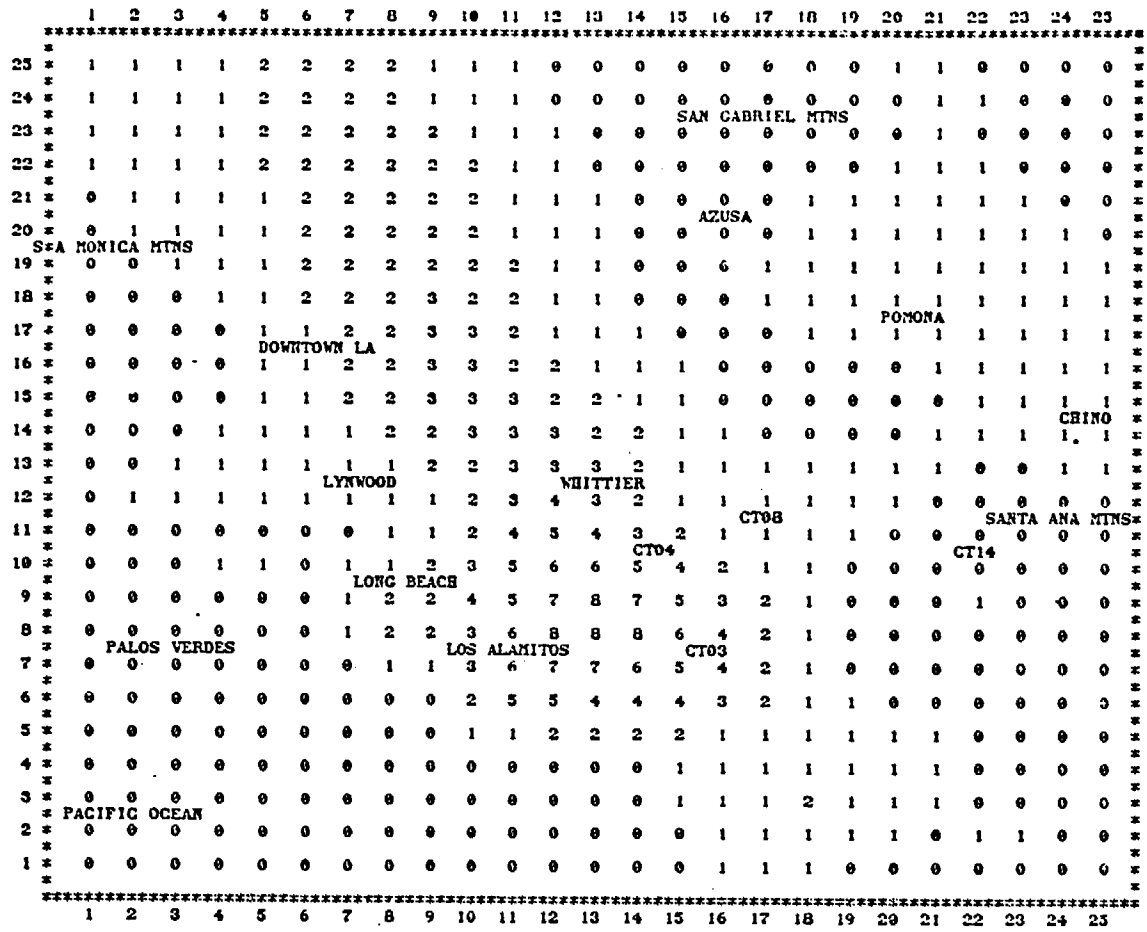


MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741025 AVERAGED BETWEEN THE HOURS OF 900. AND 1000. PST

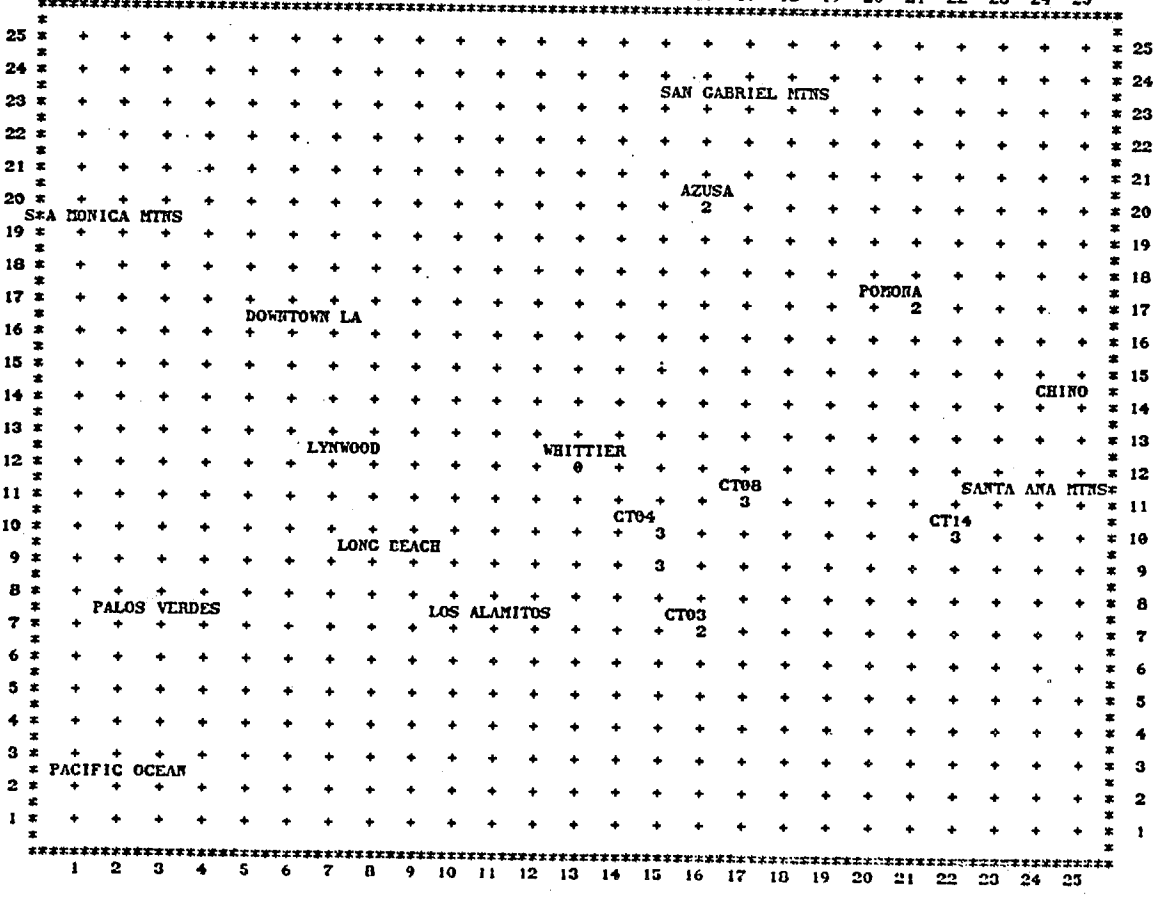


PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741025 BETWEEN THE HOURS OF 1100. AND 1200. PST

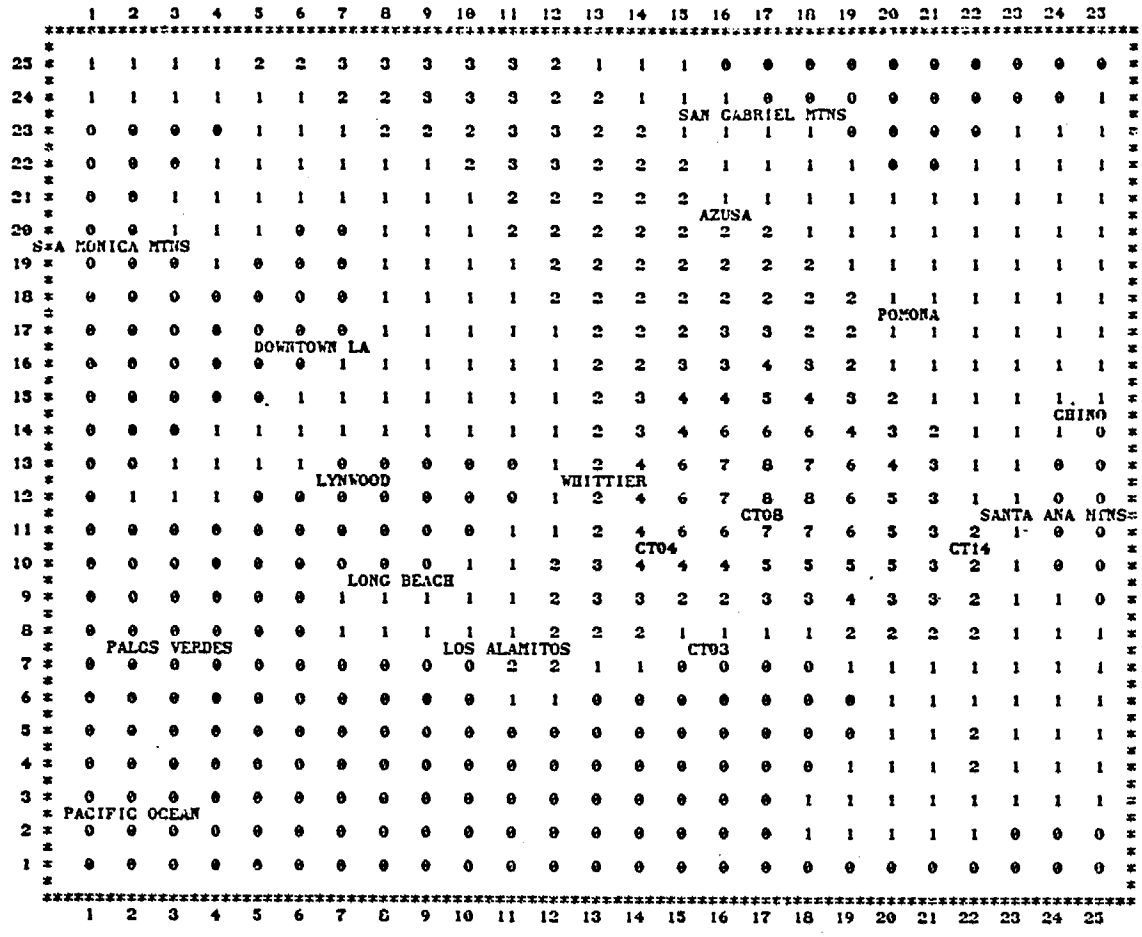
C-1



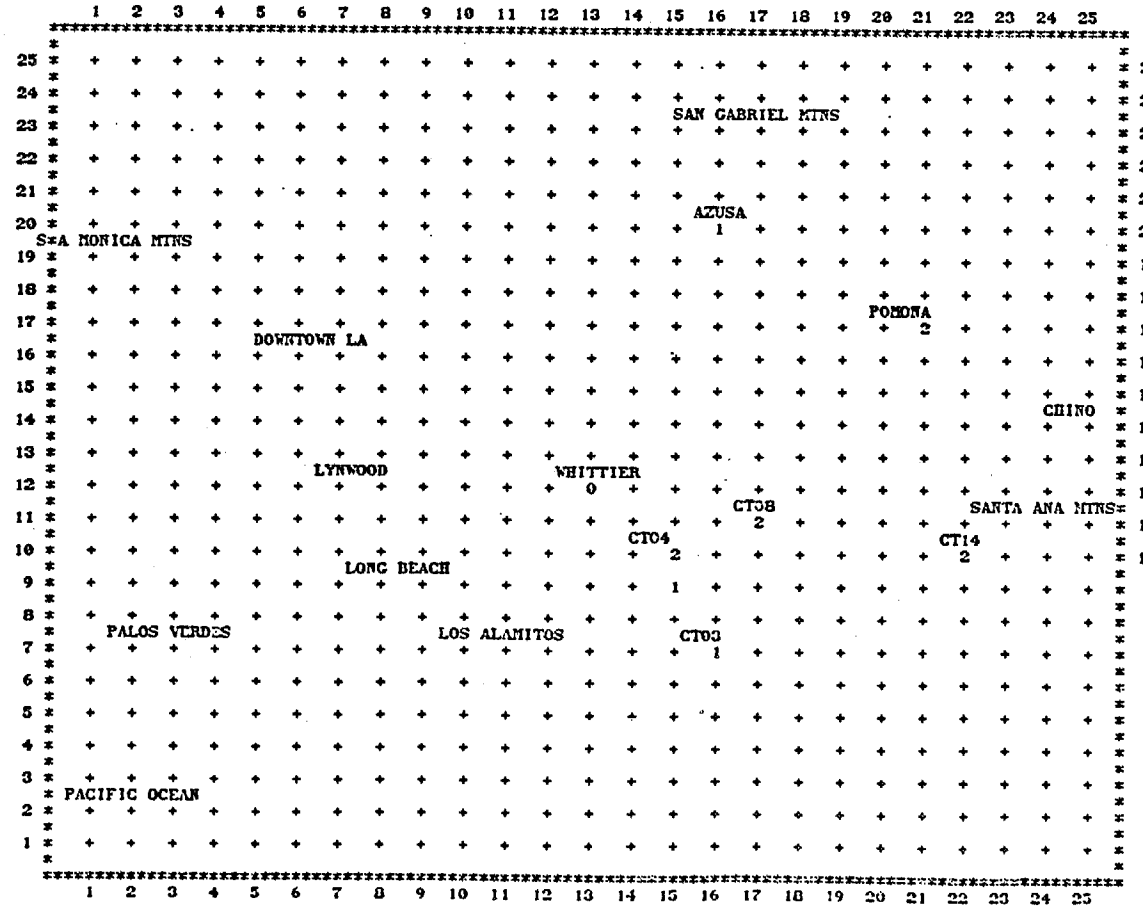
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741025 AVERAGED BETWEEN THE HOURS OF 1100. AND 1200. PST



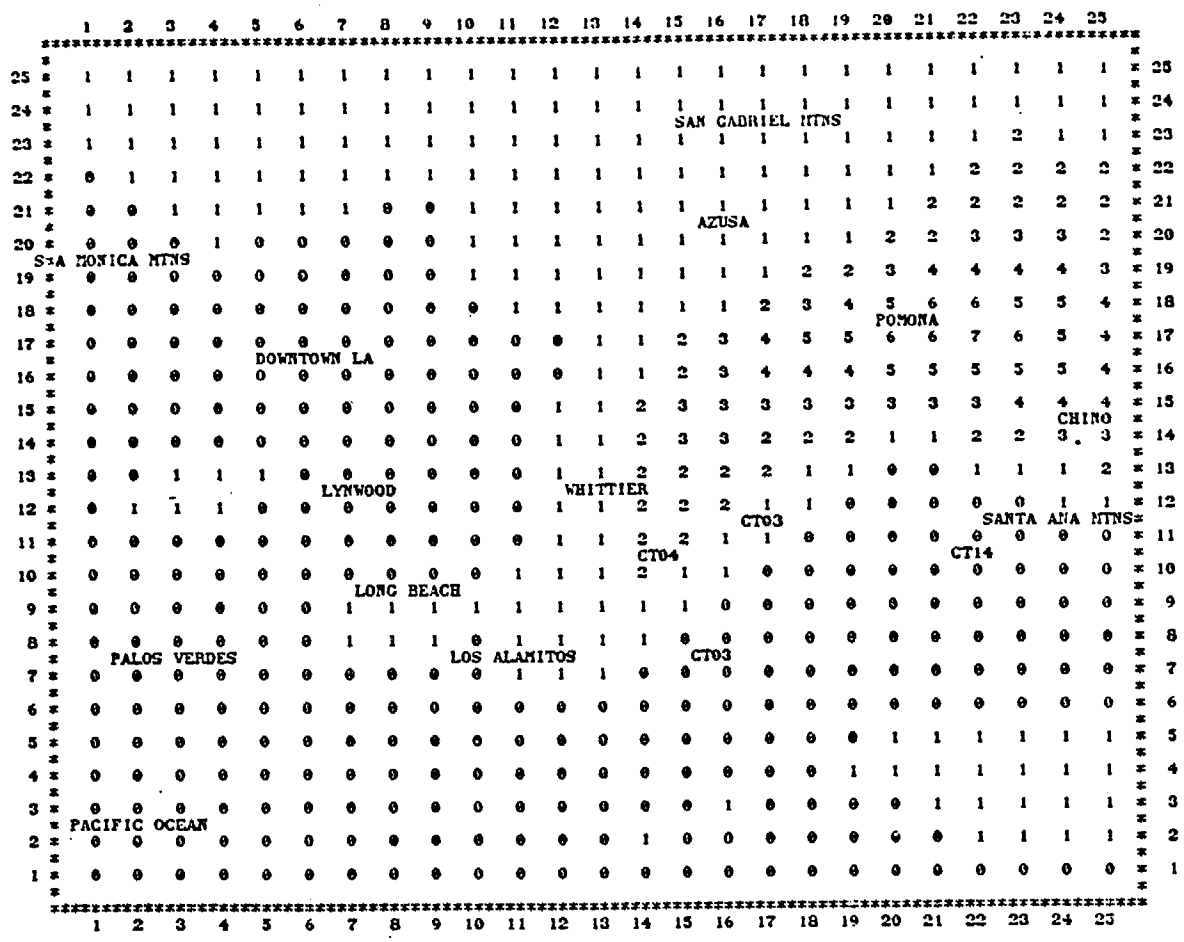
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741025 BETWEEN THE HOURS OF 1300. AND 1400. PST



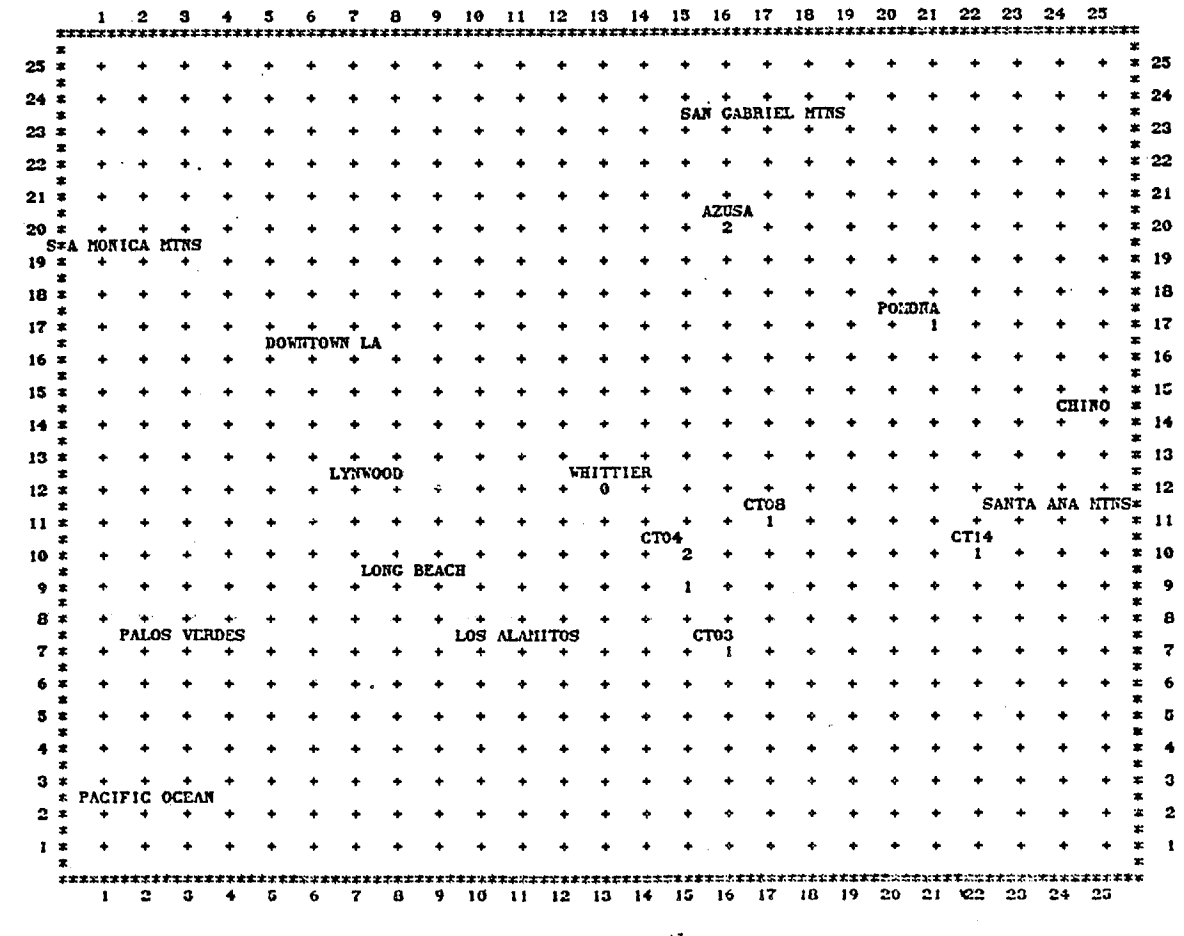
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741025 AVERAGED BETWEEN THE HOURS OF 1300. AND 1400. PST



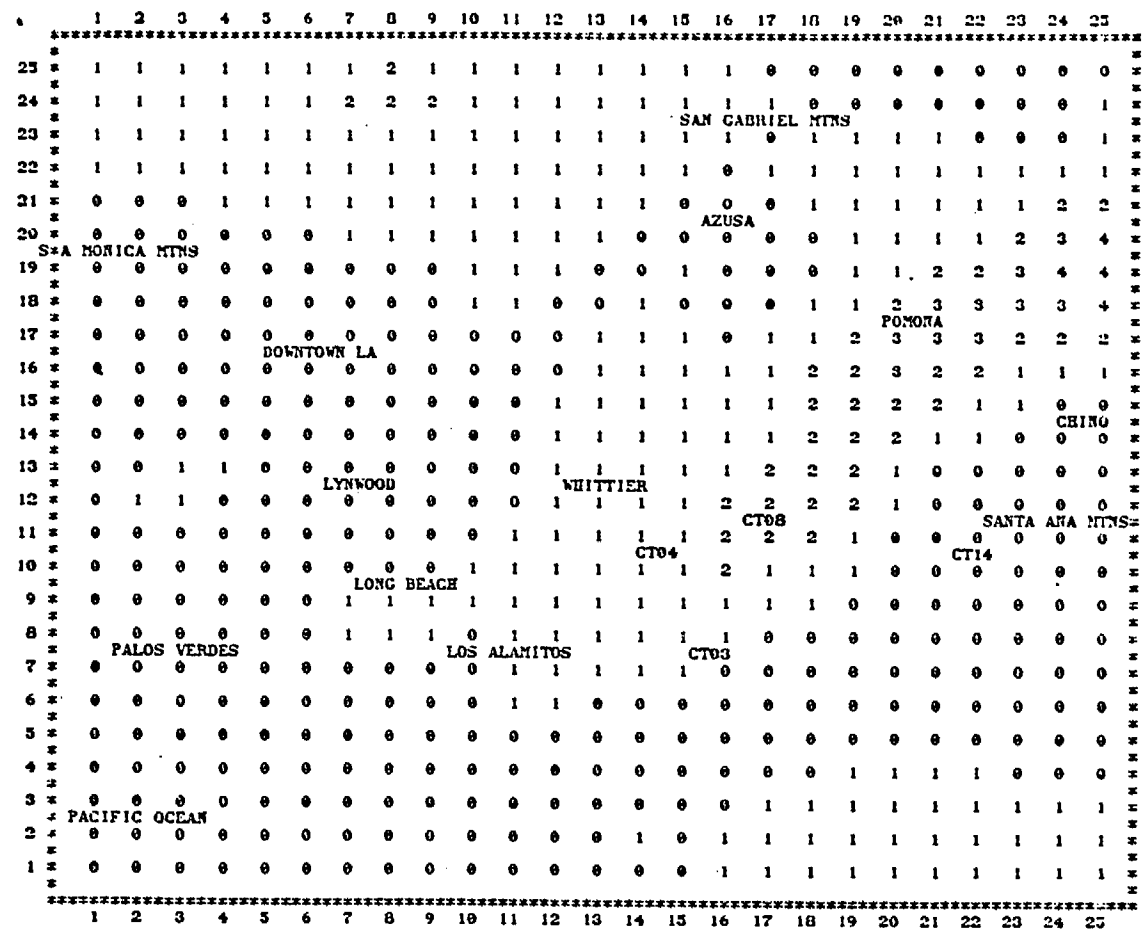
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741025 BETWEEN THE HOURS OF 1500. AND 1600. PST



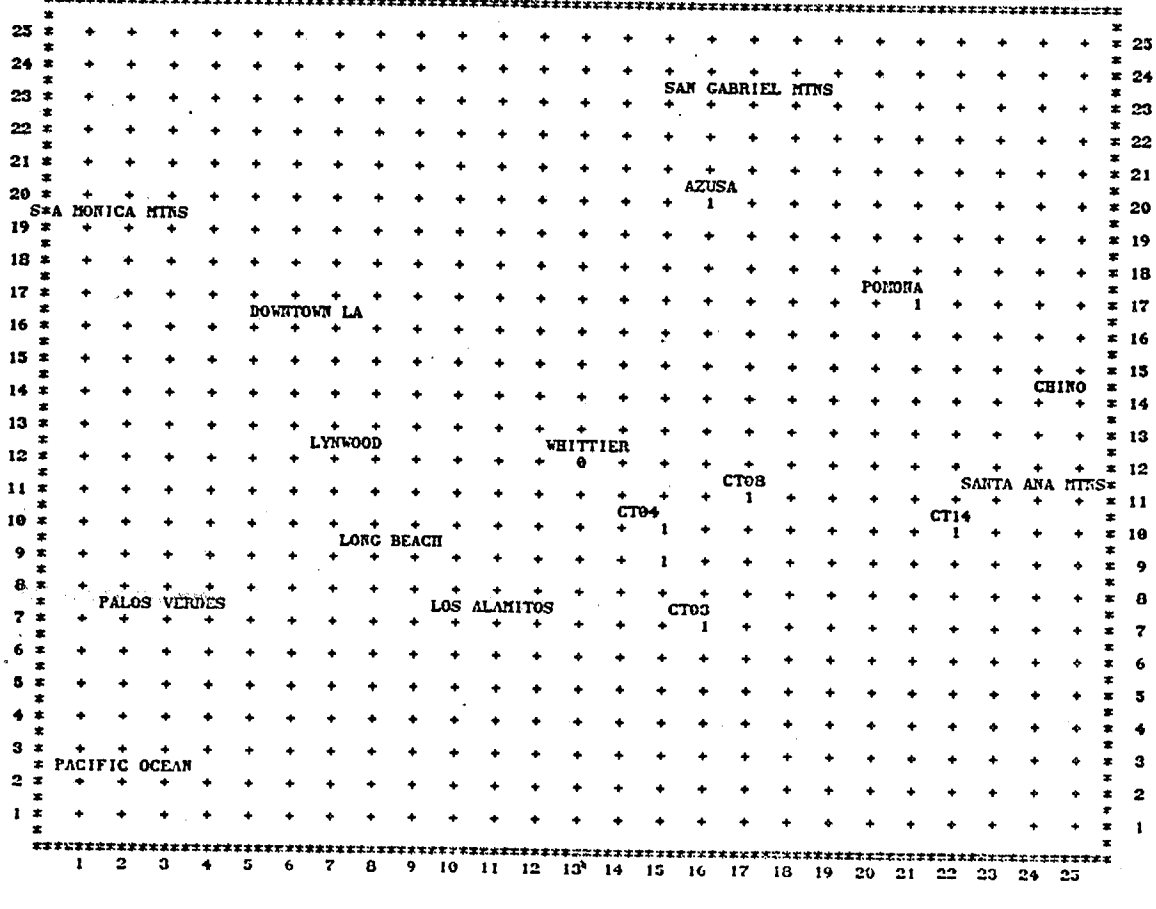
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741025 AVERAGED BETWEEN THE HOURS OF 1500. AND 1600. PST



PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741025 BETWEEN THE HOURS OF 1700. AND 1800. PST



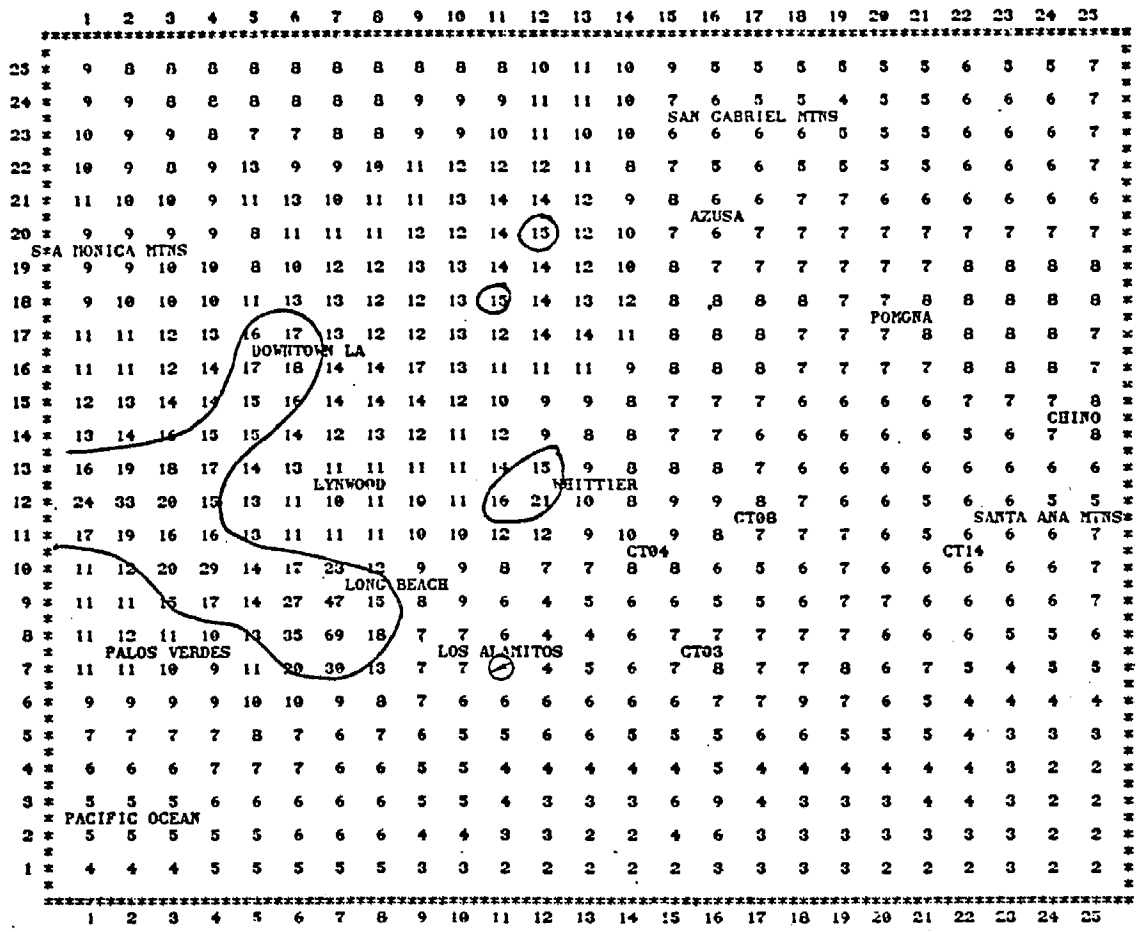
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741025 AVERAGED BETWEEN THE HOURS OF 1700. AND 1800. PST



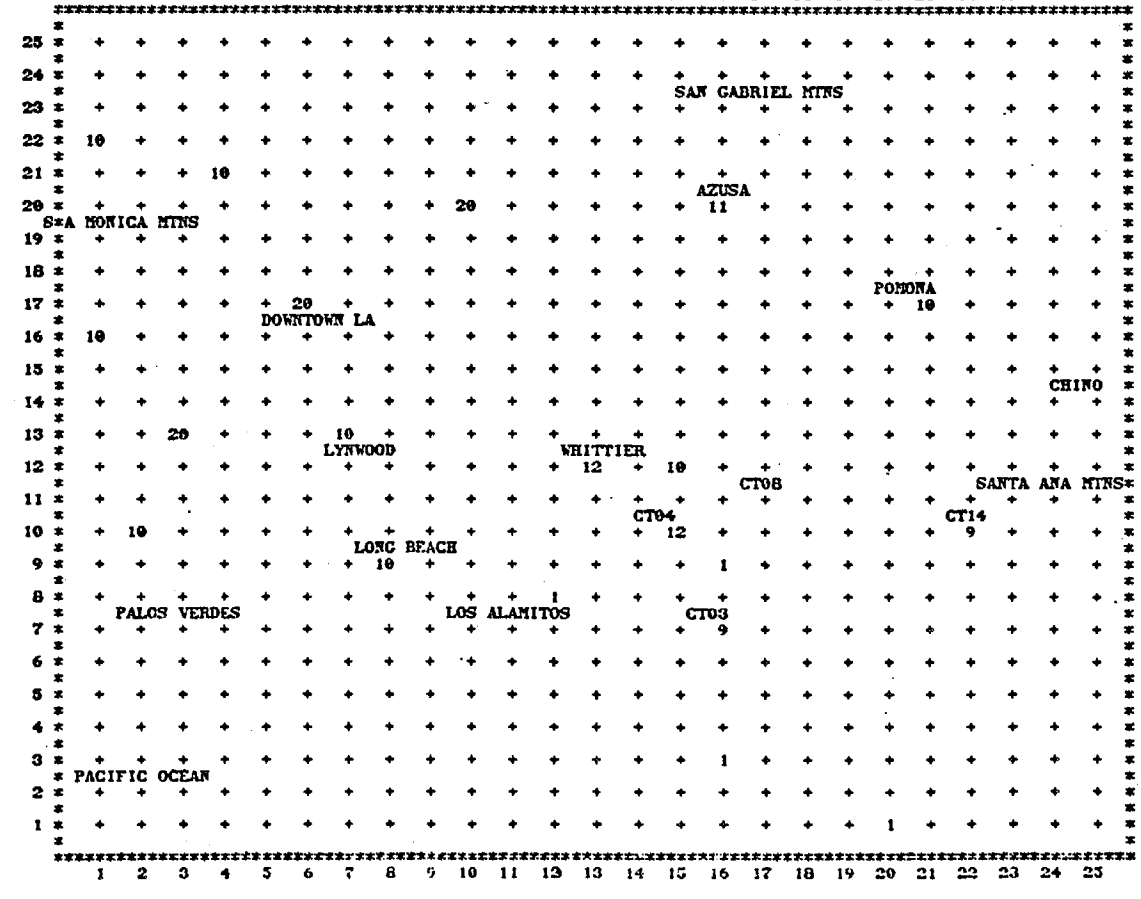
30 OCTOBER 1974

LOS ALAMITOS AND HAYNES

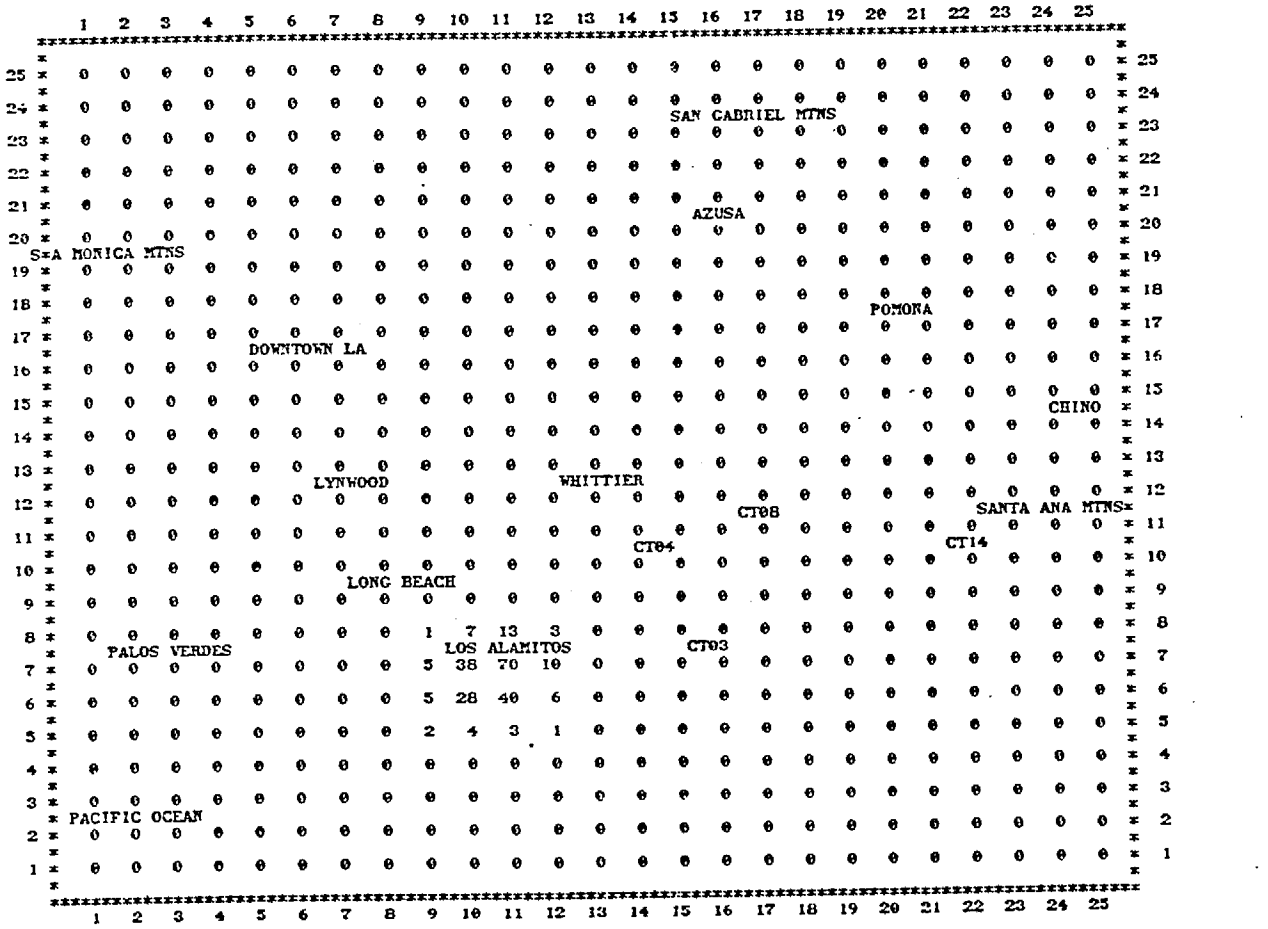
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 BETWEEN THE HOURS OF 600. AND 700. PST



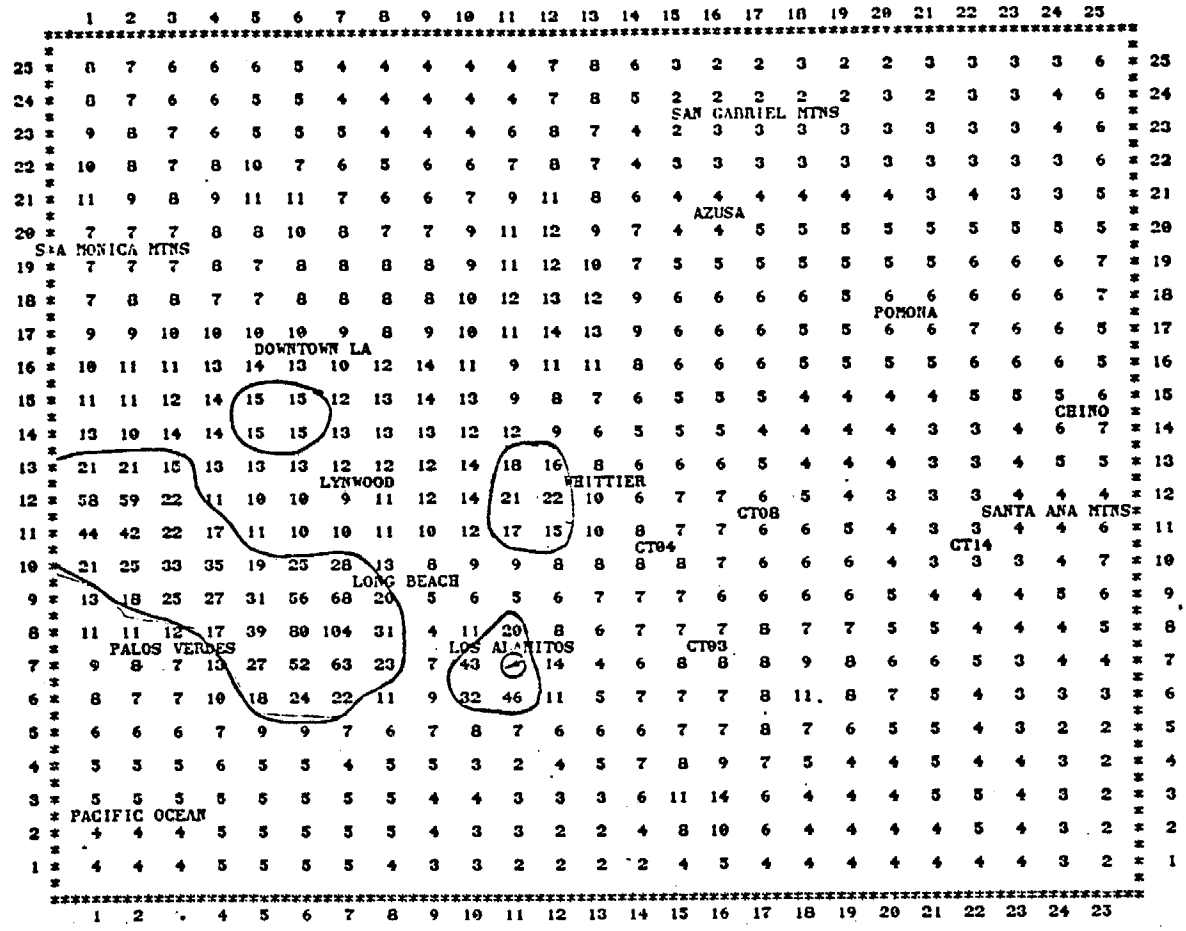
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 AVERAGED BETWEEN THE HOURS OF 600. AND 700. PST



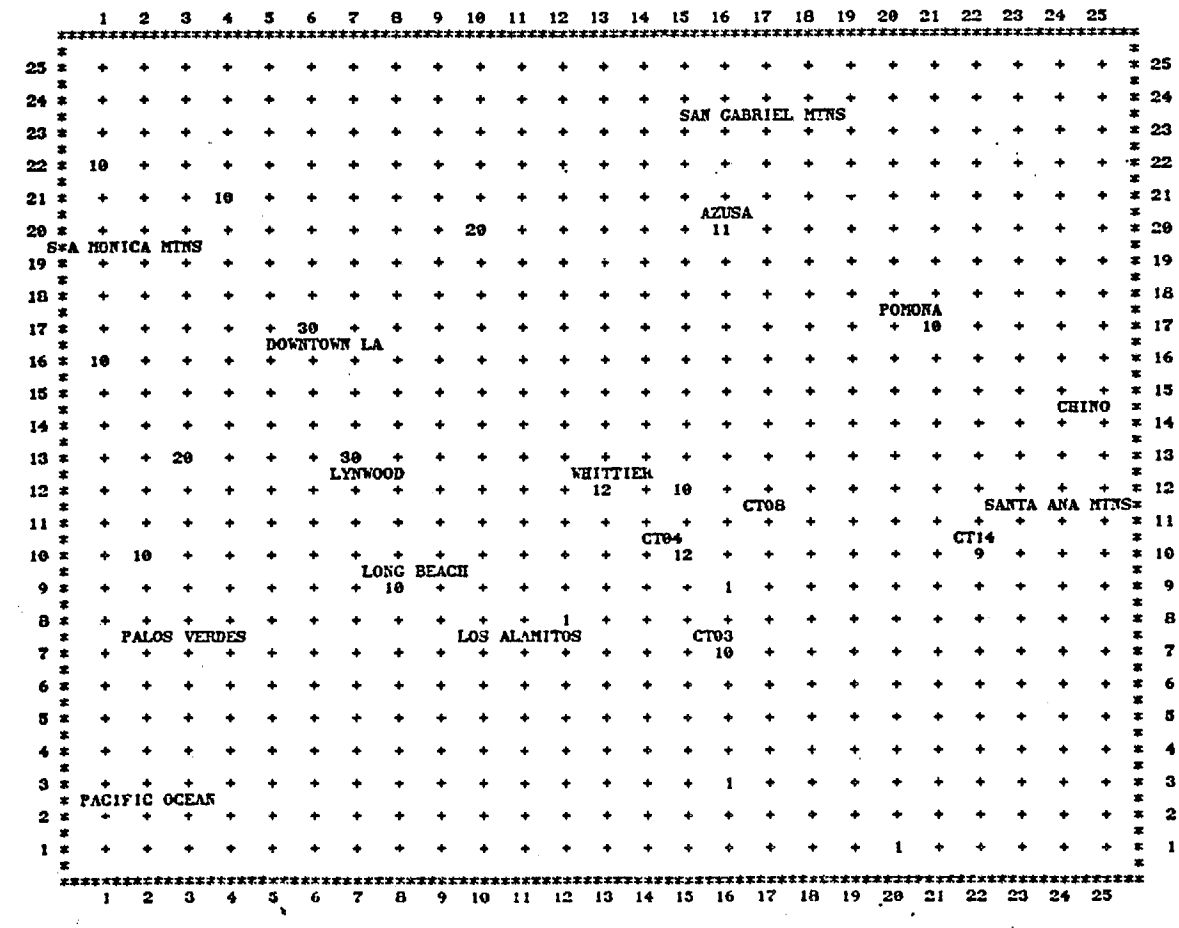
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741030 BETWEEN THE HOURS OF 700. AND 800. PST



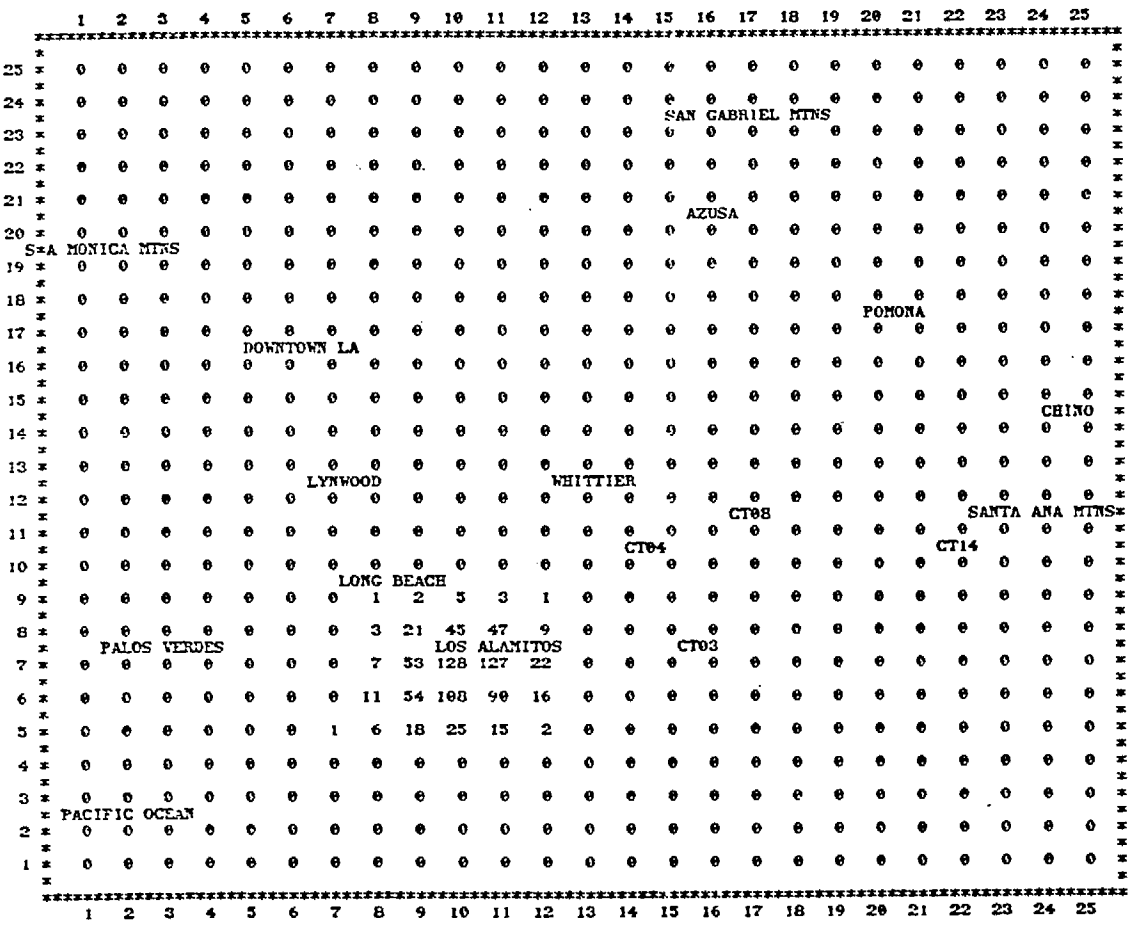
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 BETWEEN THE HOURS OF 700. AND 800. PST



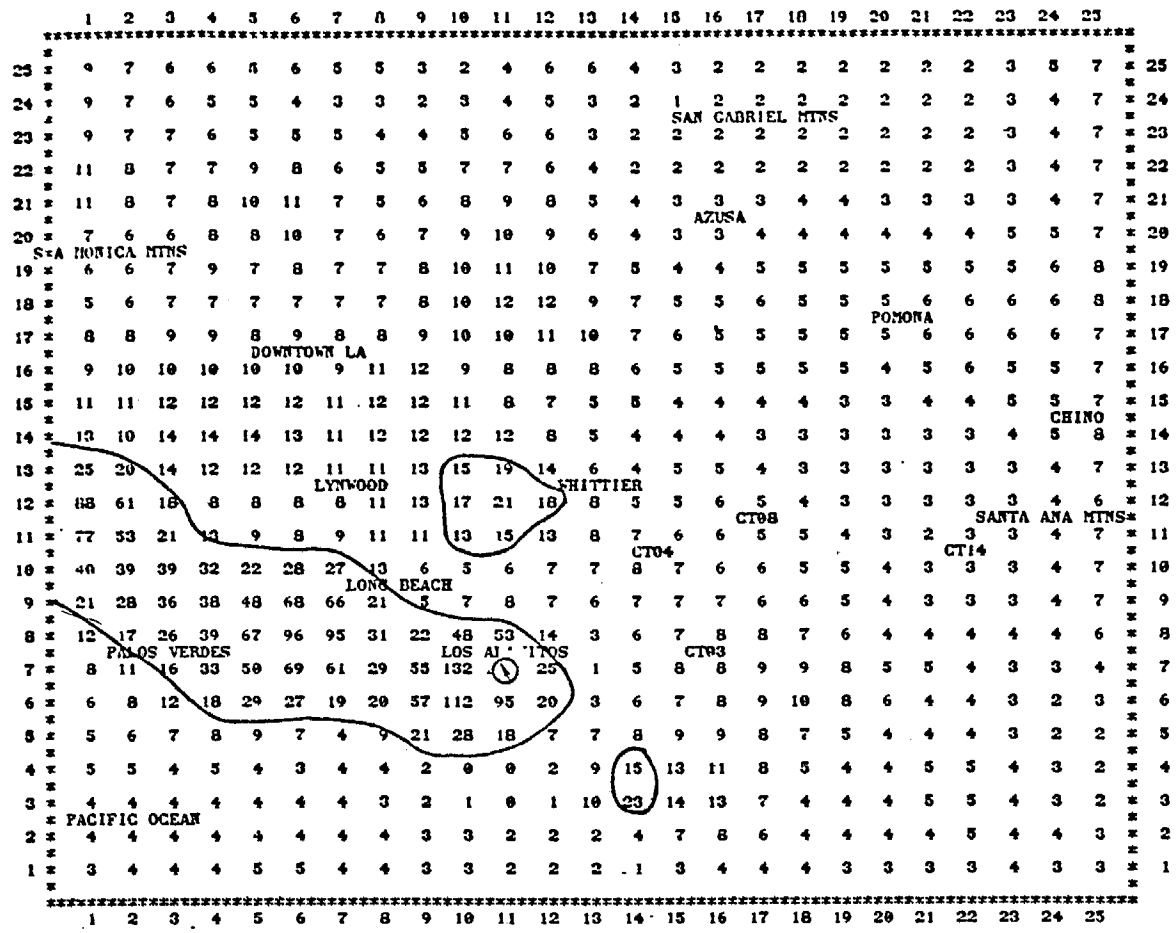
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 AVERAGED BETWEEN THE HOURS OF 700. AND 800. PST



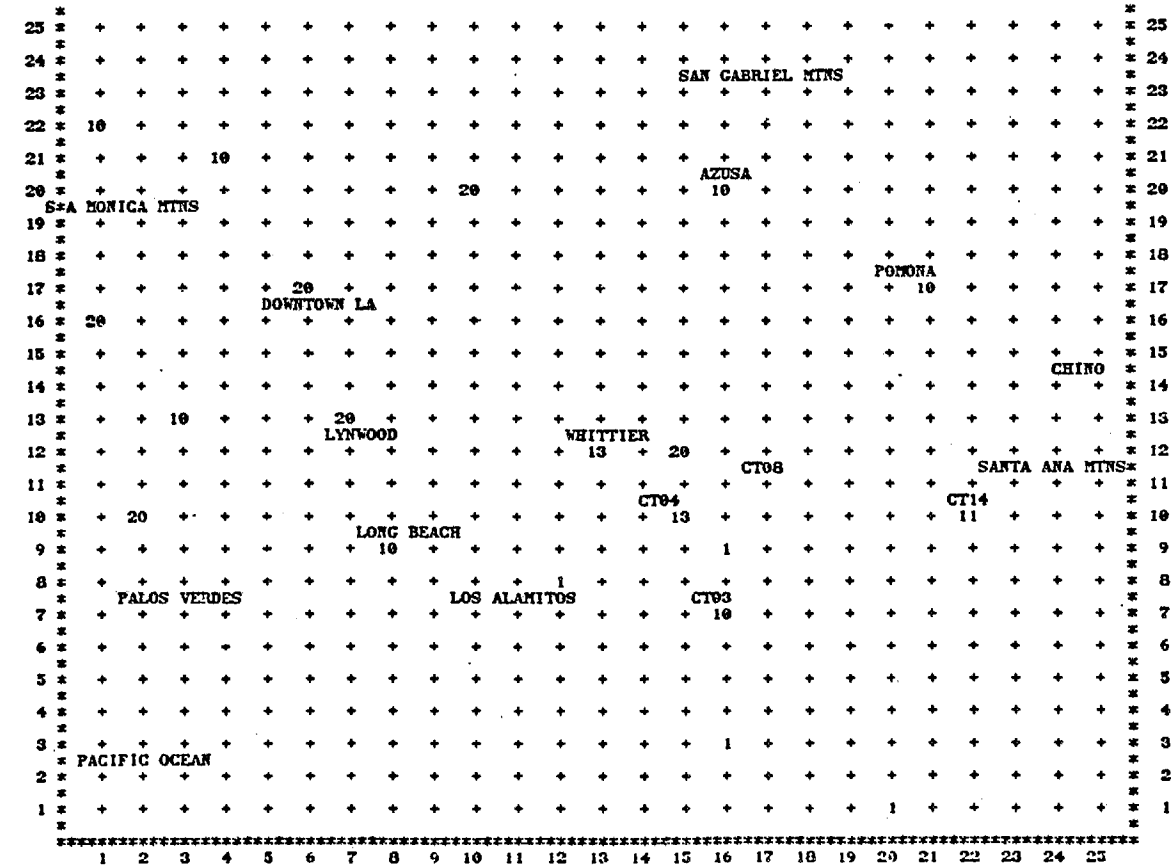
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741030 BETWEEN THE HOURS OF 800. AND 900. PST



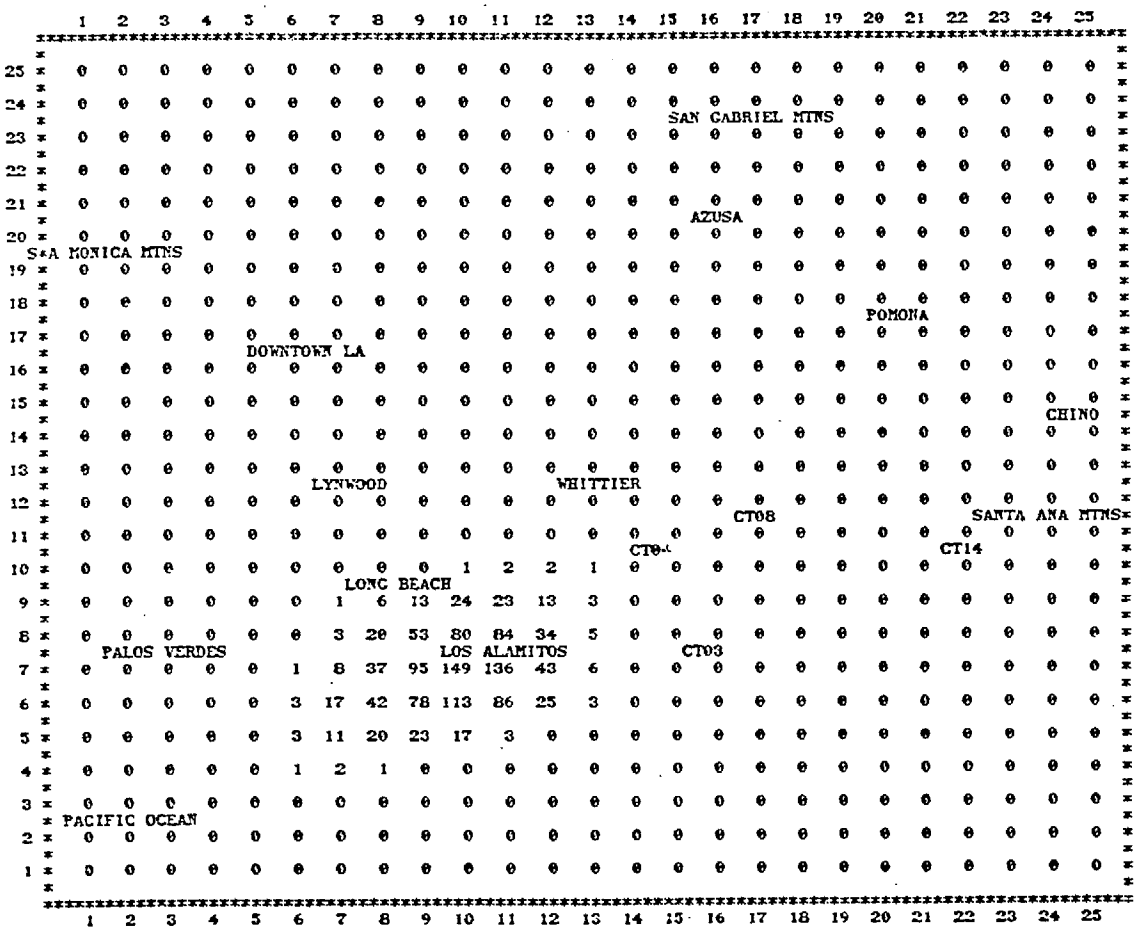
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 BETWEEN THE HOURS OF 800. AND 900. PST



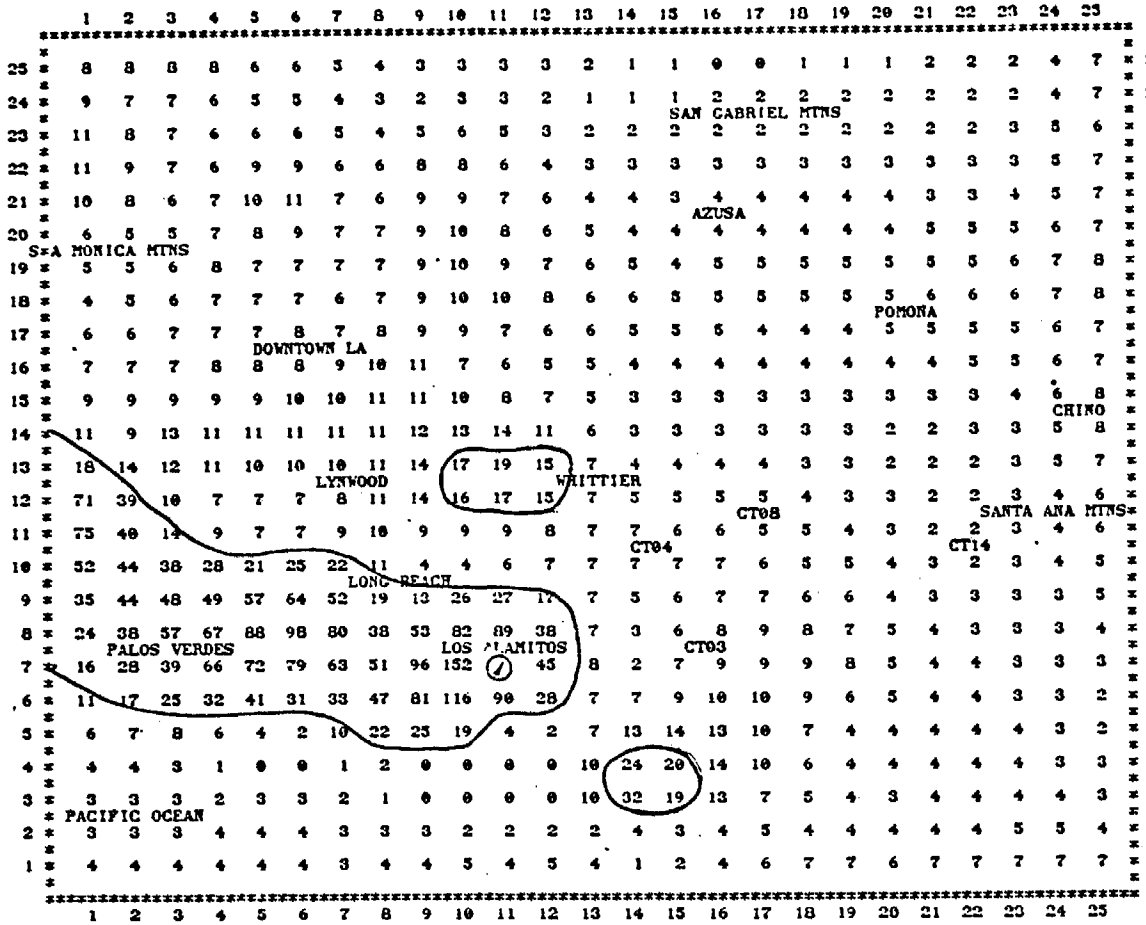
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 AVERAGED BETWEEN THE HOURS OF 800. AND 900. PST



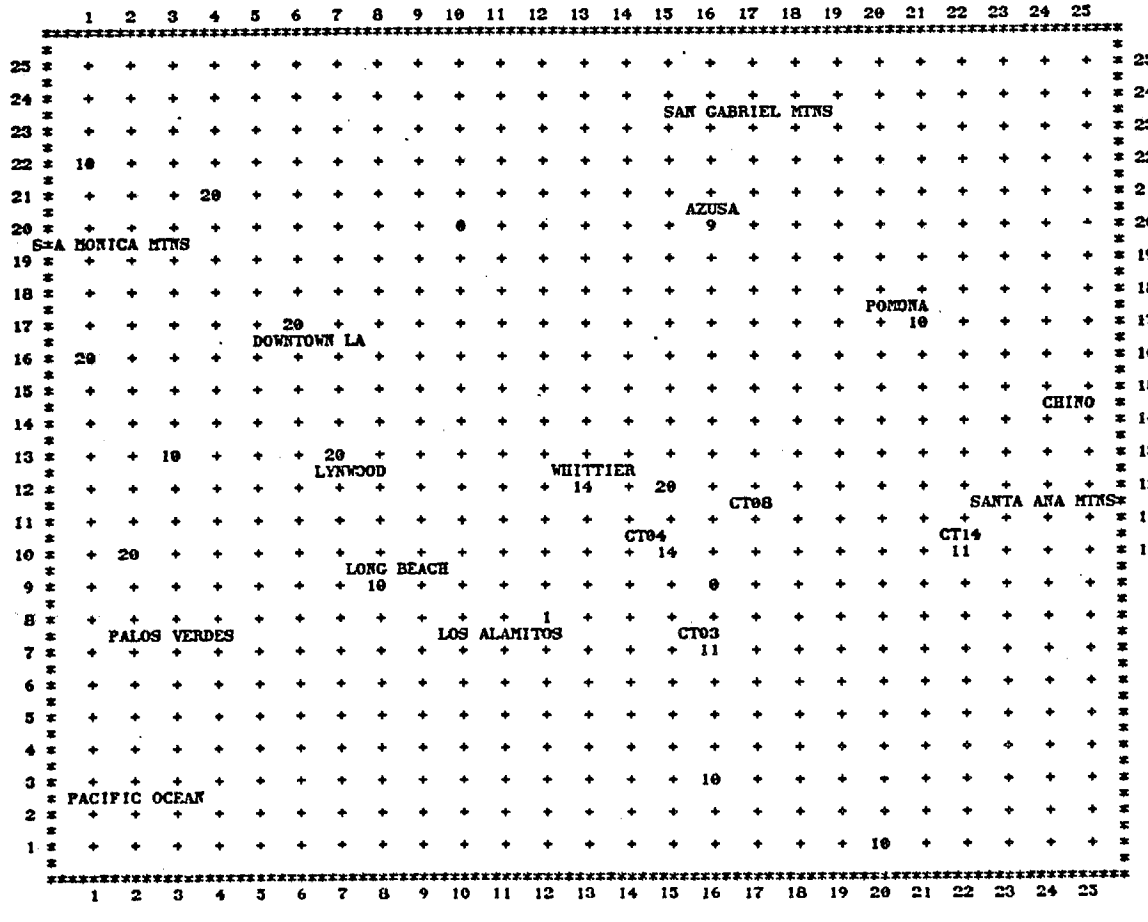
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741030 BETWEEN THE HOURS OF 900. AND 1000. PST



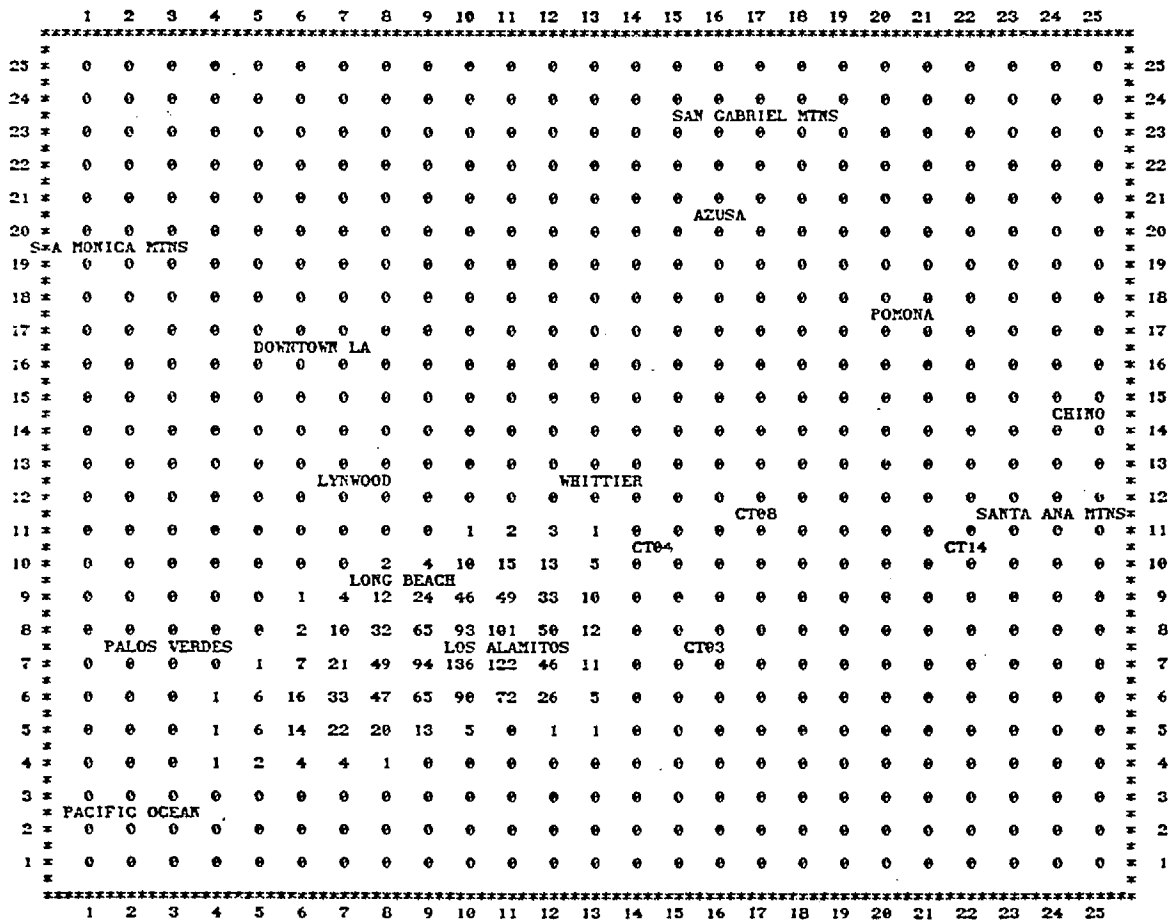
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 BETWEEN THE HOURS OF 900. AND 1000. PST



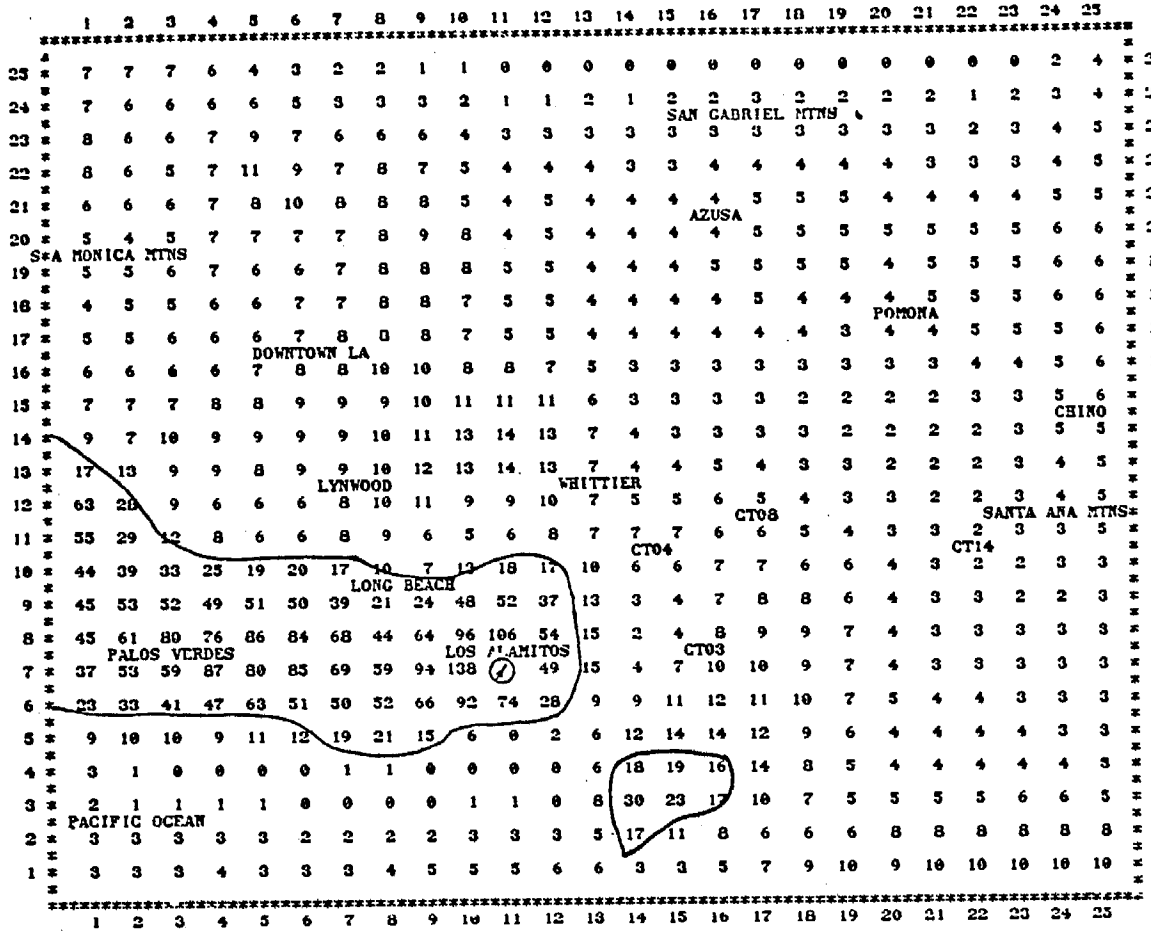
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 AVERAGED BETWEEN THE HOURS OF 900. AND 1000. PST



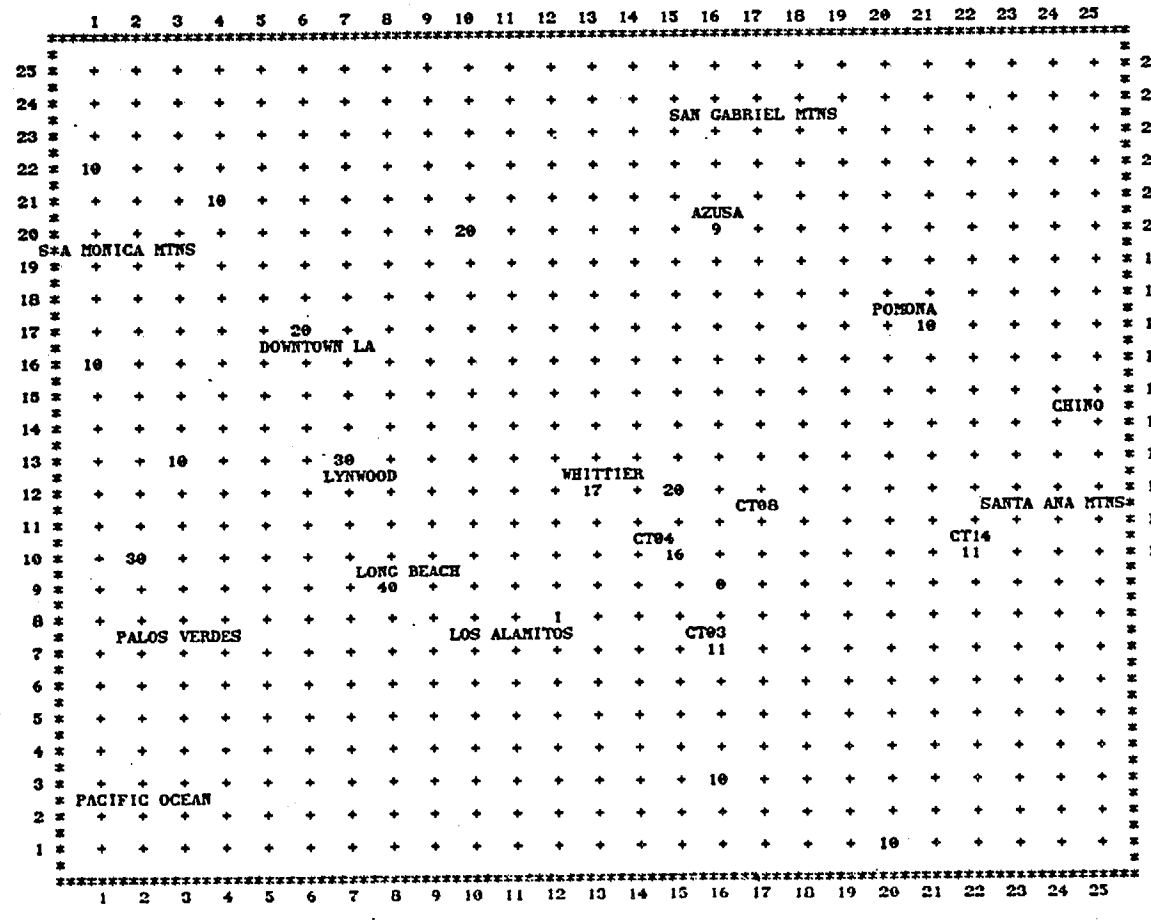
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741030 BETWEEN THE HOURS OF 1000. AND 1100. PST



PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 BETWEEN THE HOURS OF 1000. AND 1100. PST



MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 AVERAGED BETWEEN THE HOURS OF 1000. AND 1100. PST



PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741030 BETWEEN THE HOURS OF 1100. AND 1200. PST

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
25	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	25
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
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SAN GABRIEL MTNS 0	0	0	0	0	0	0	0	0	0	23
22	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	22
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20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	AZUSA 0	0	0	0	0	0	0	0	0	0	20
19	S*A MONICA MTNS 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
18	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	18
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16	0	0	0	0	DOWNTOWN LA 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
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2	PACIFIC OCEAN 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	2
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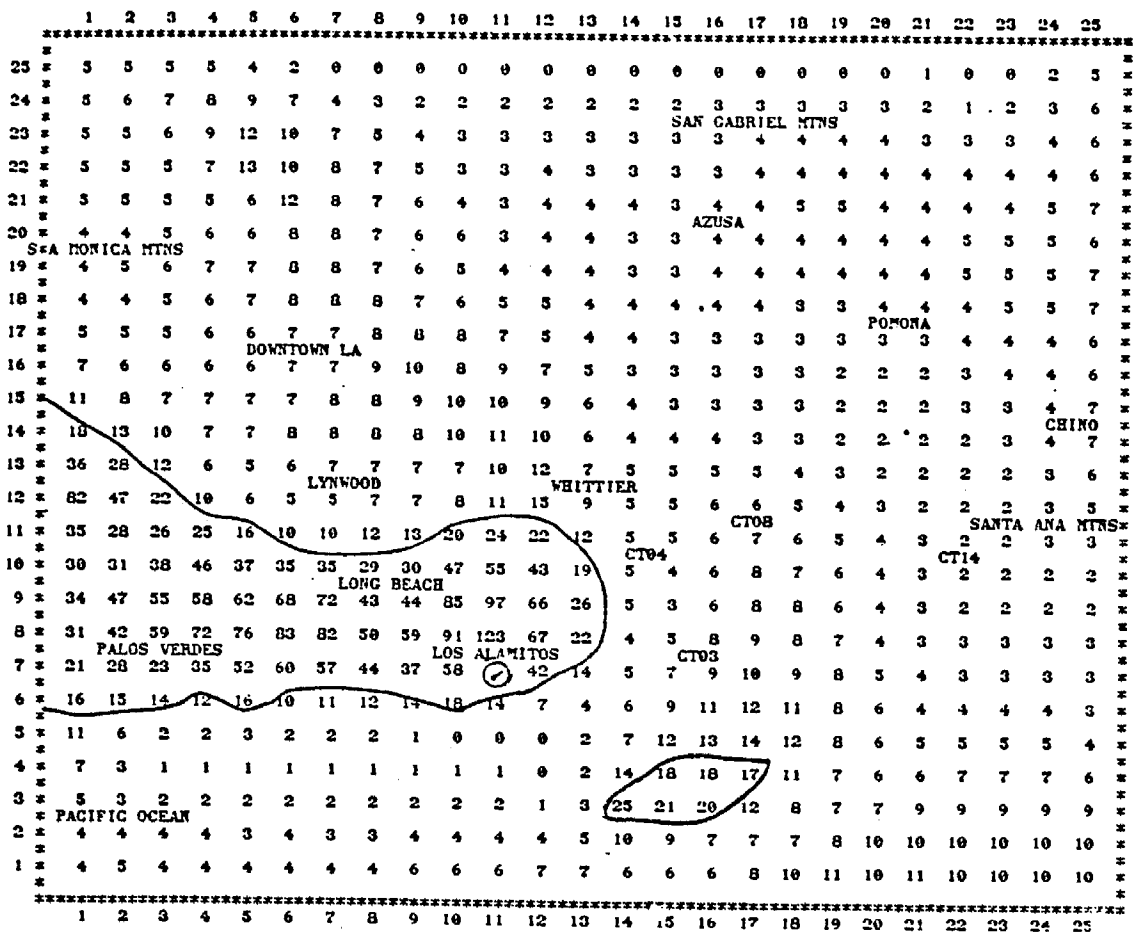
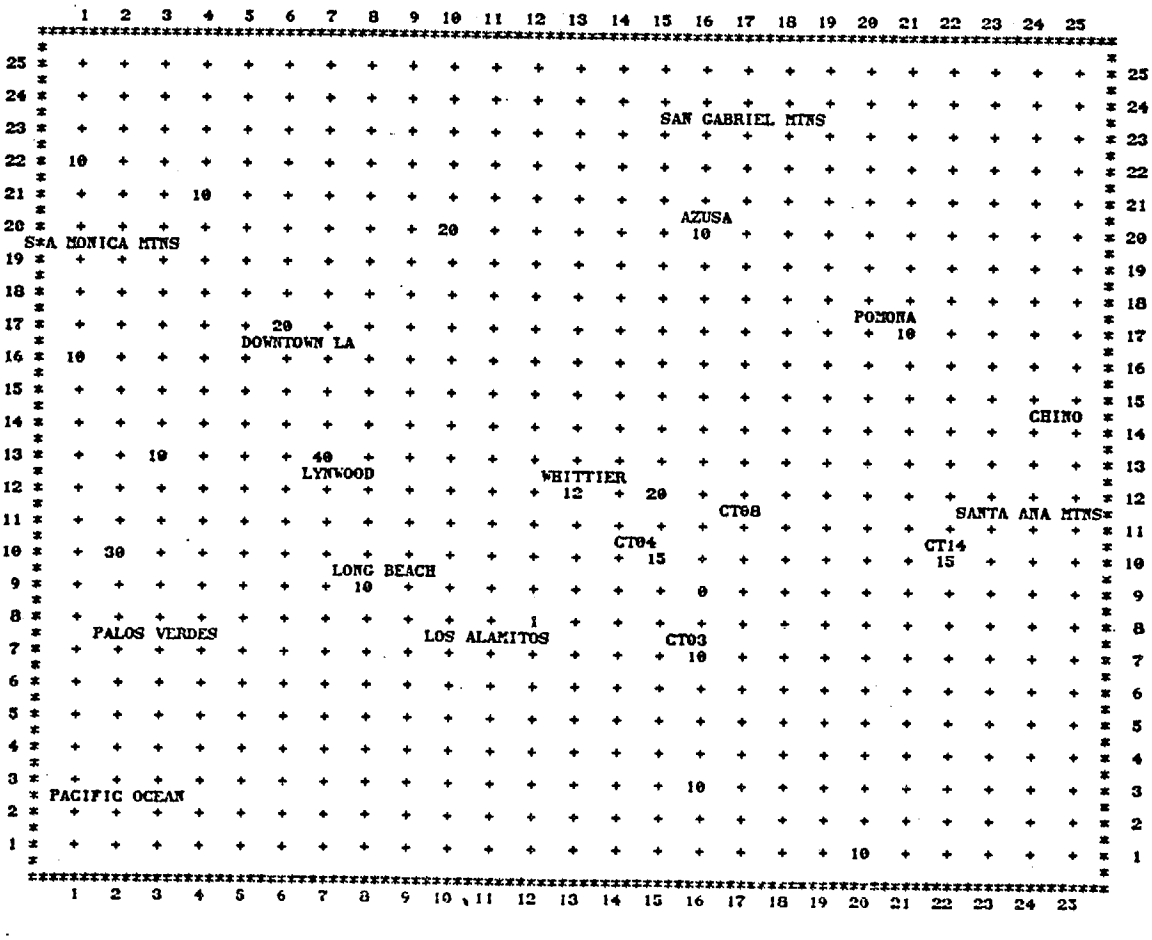
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	

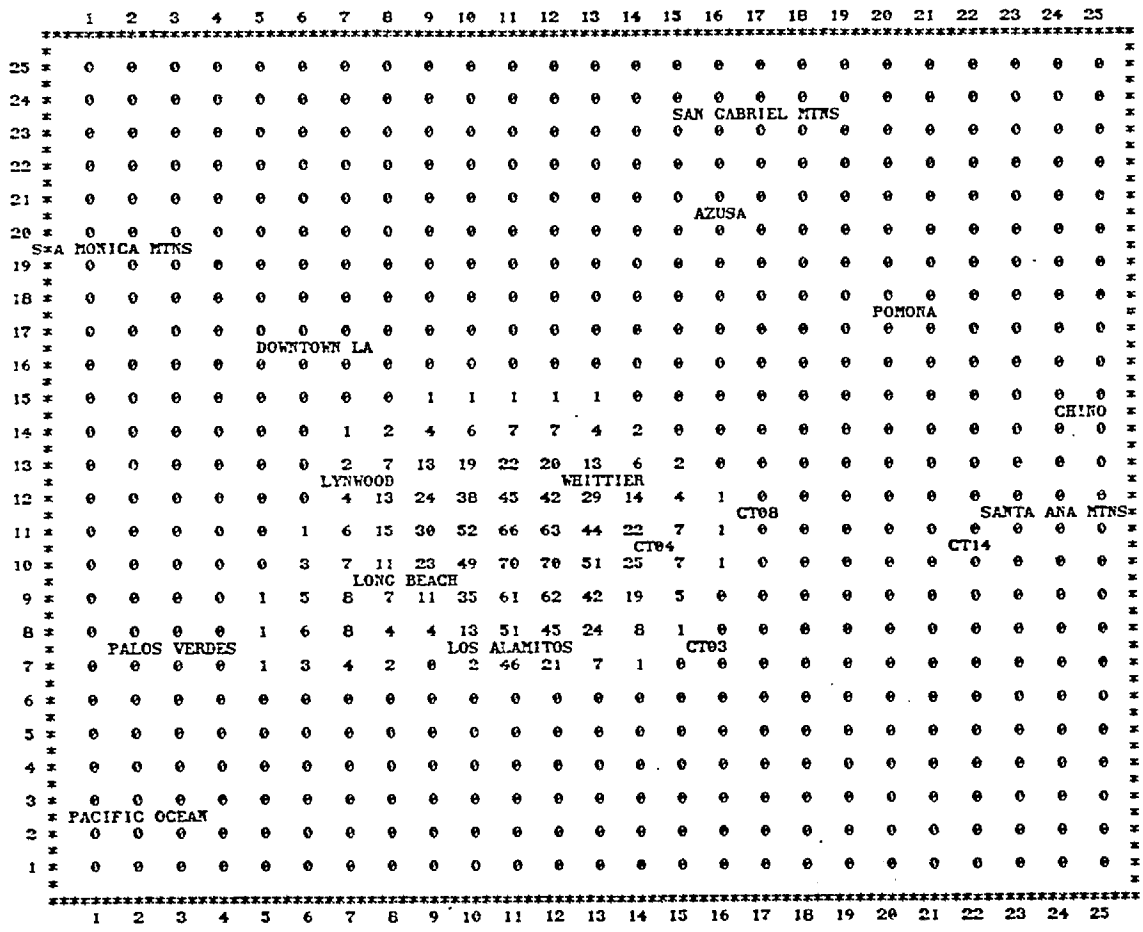
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 BETWEEN THE HOURS OF 1100. AND 1200. PST



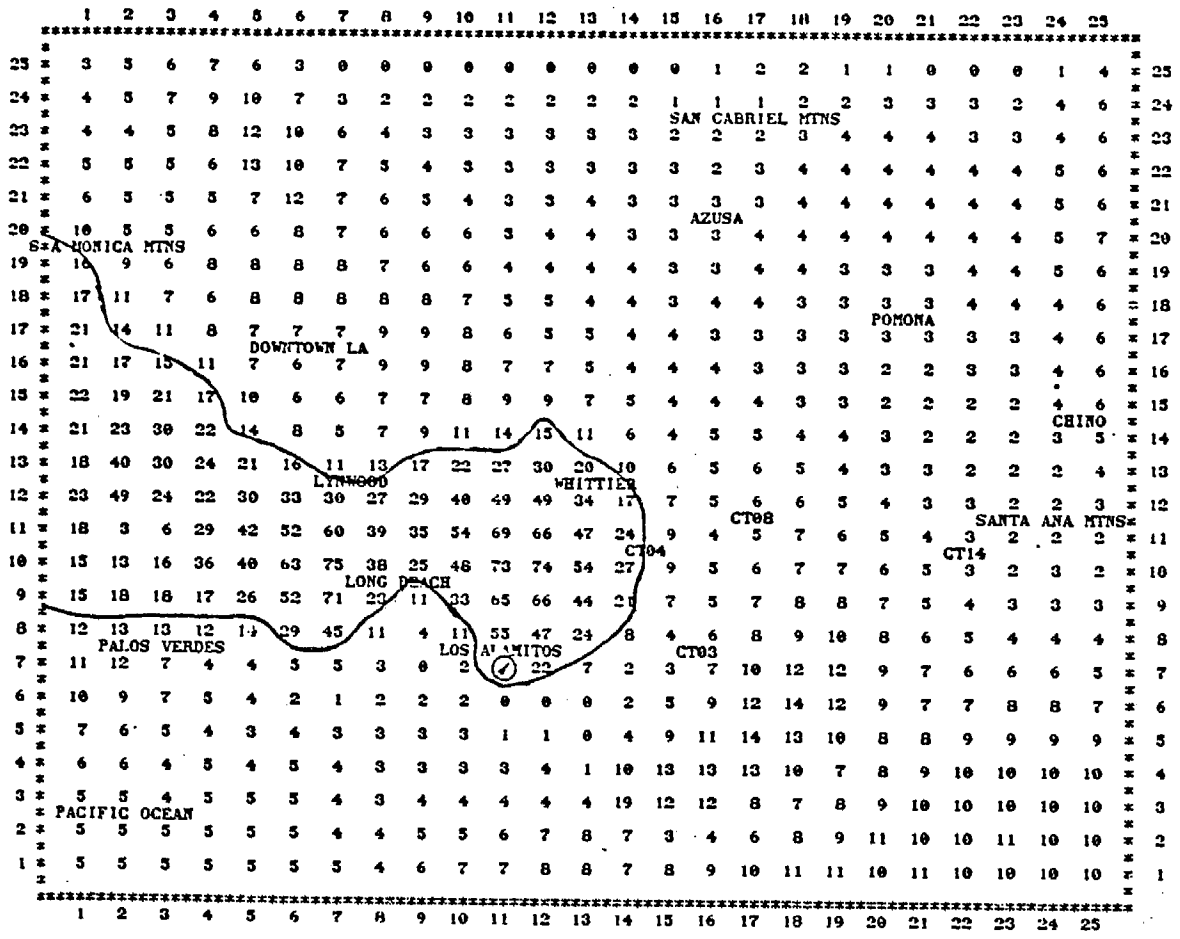
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 AVERAGED BETWEEN THE HOURS OF 1100. AND 1200. PST



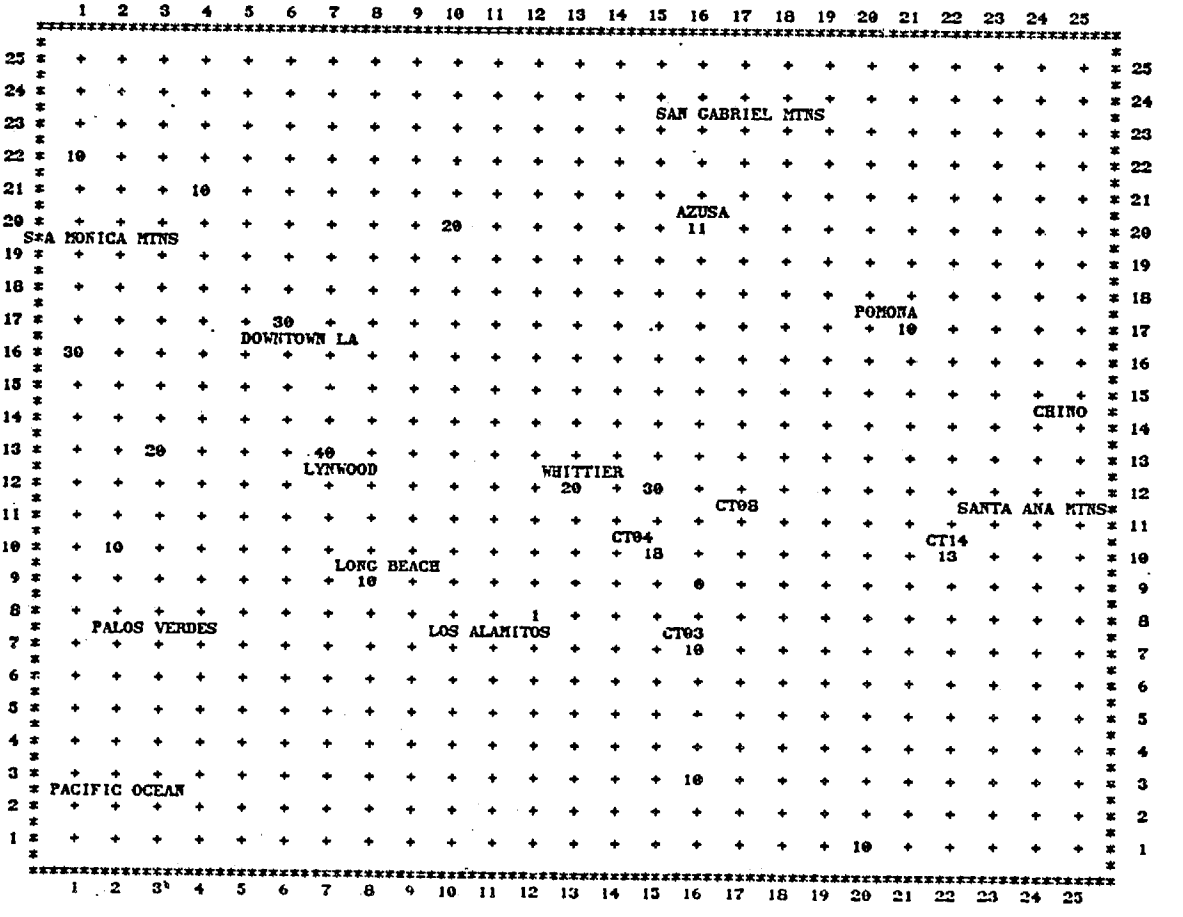
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741030 BETWEEN THE HOURS OF 1200. AND 1300. PST



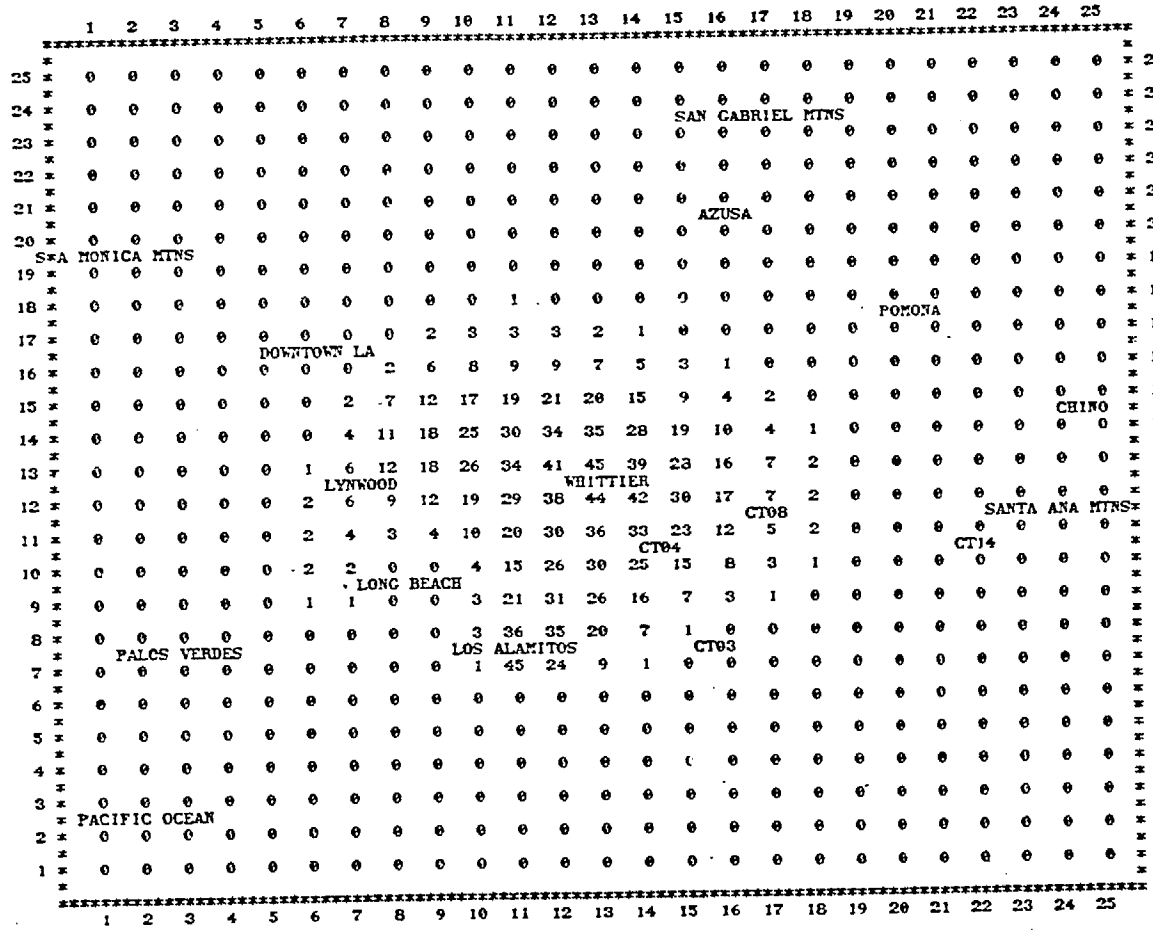
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 BETWEEN THE HOURS OF 1200. AND 1300. PST



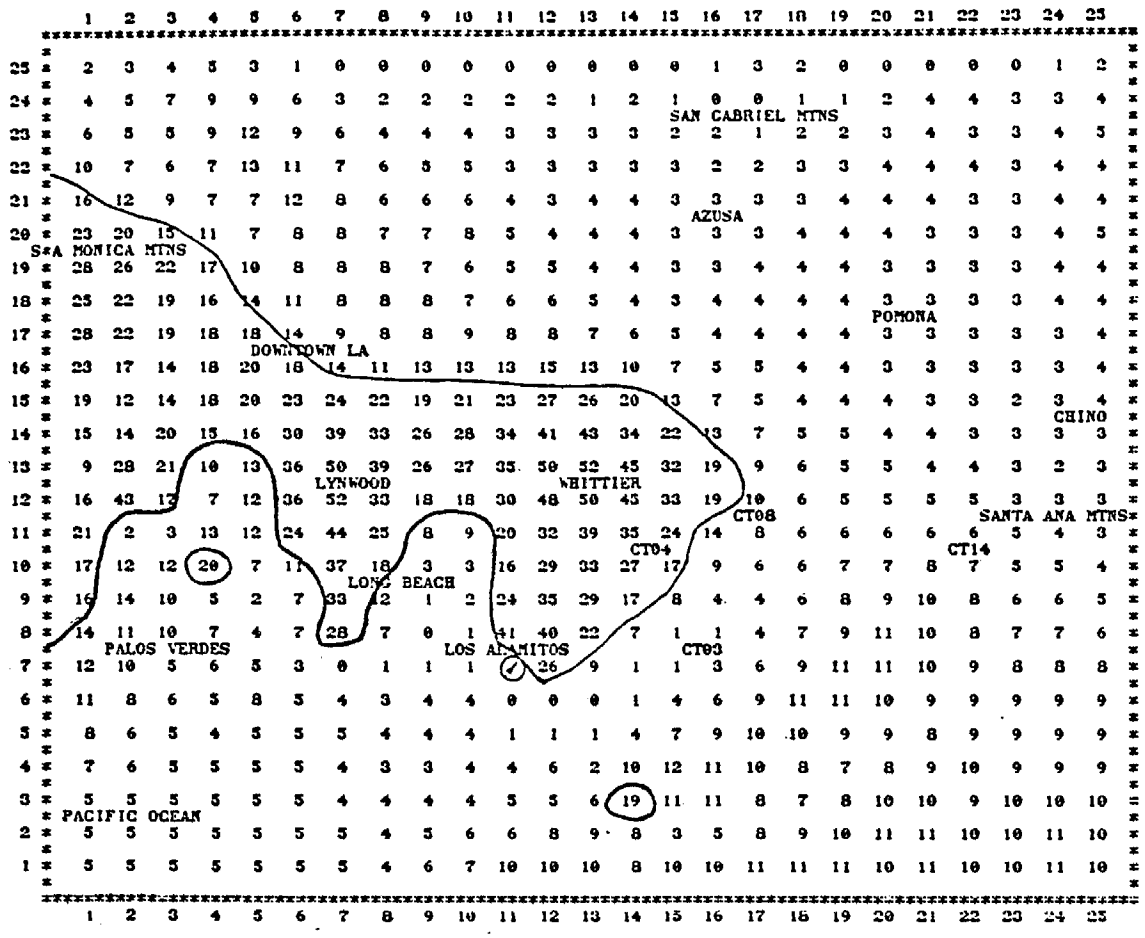
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 AVERAGED BETWEEN THE HOURS OF 1200. AND 1300. PST



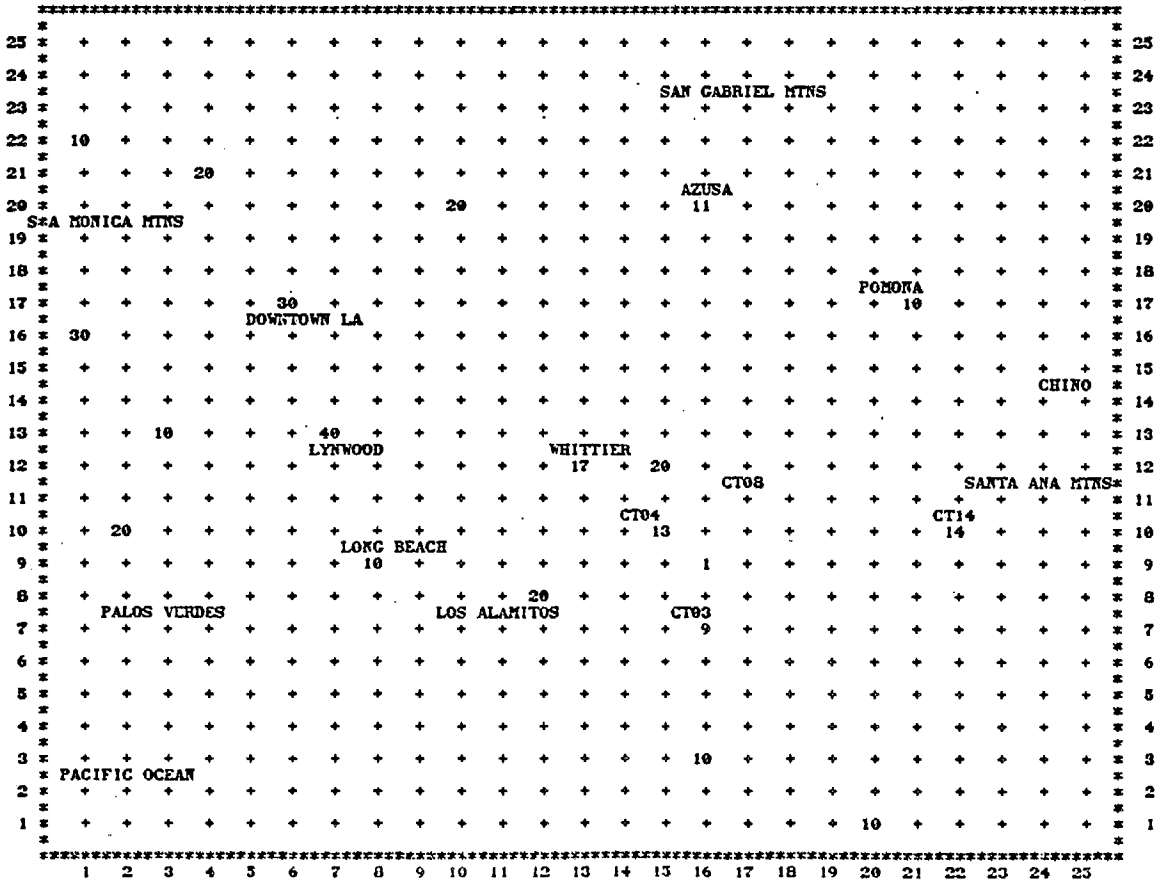
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741030 BETWEEN THE HOURS OF 1300. AND 1400. PST



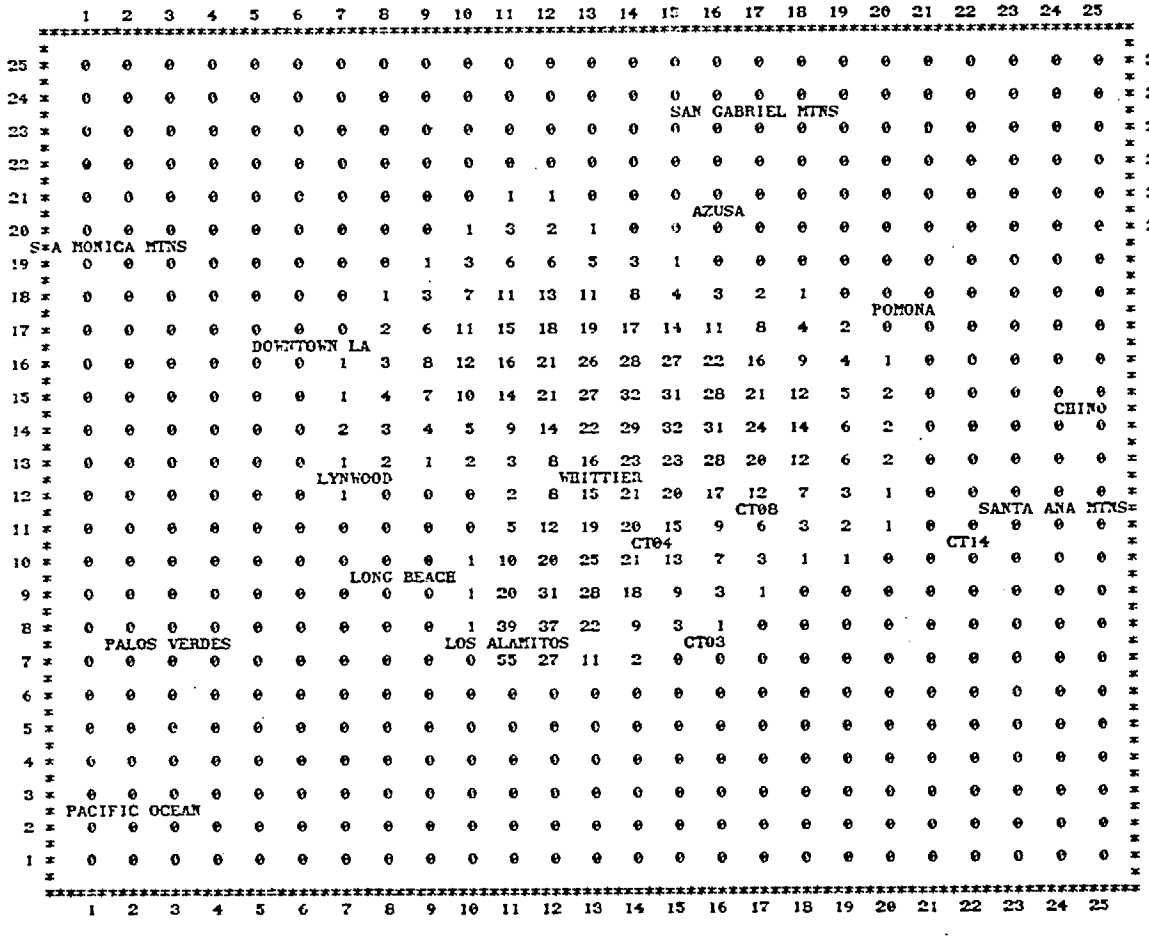
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 BETWEEN THE HOURS OF 1300. AND 1400. PST



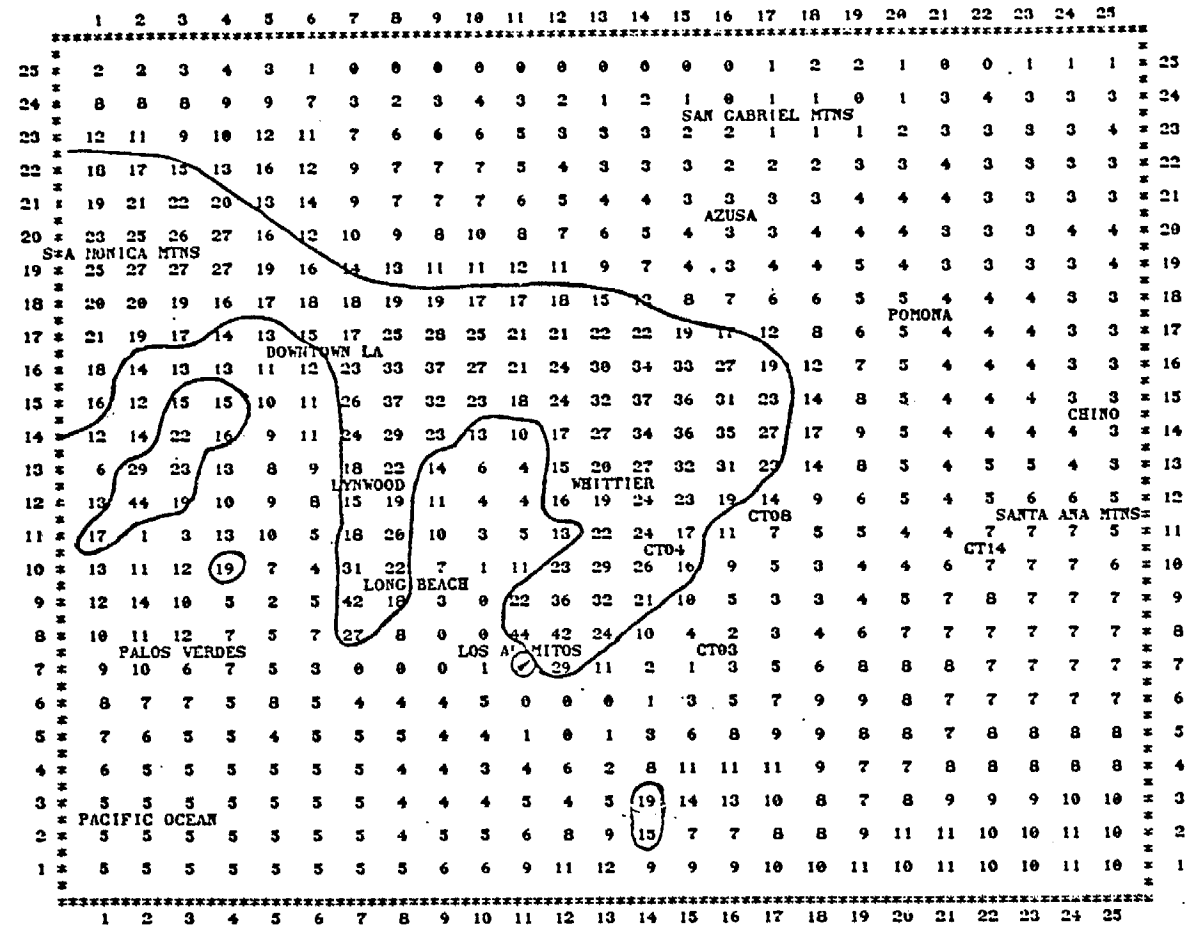
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 AVERAGED BETWEEN THE HOURS OF 1300. AND 1400. PST



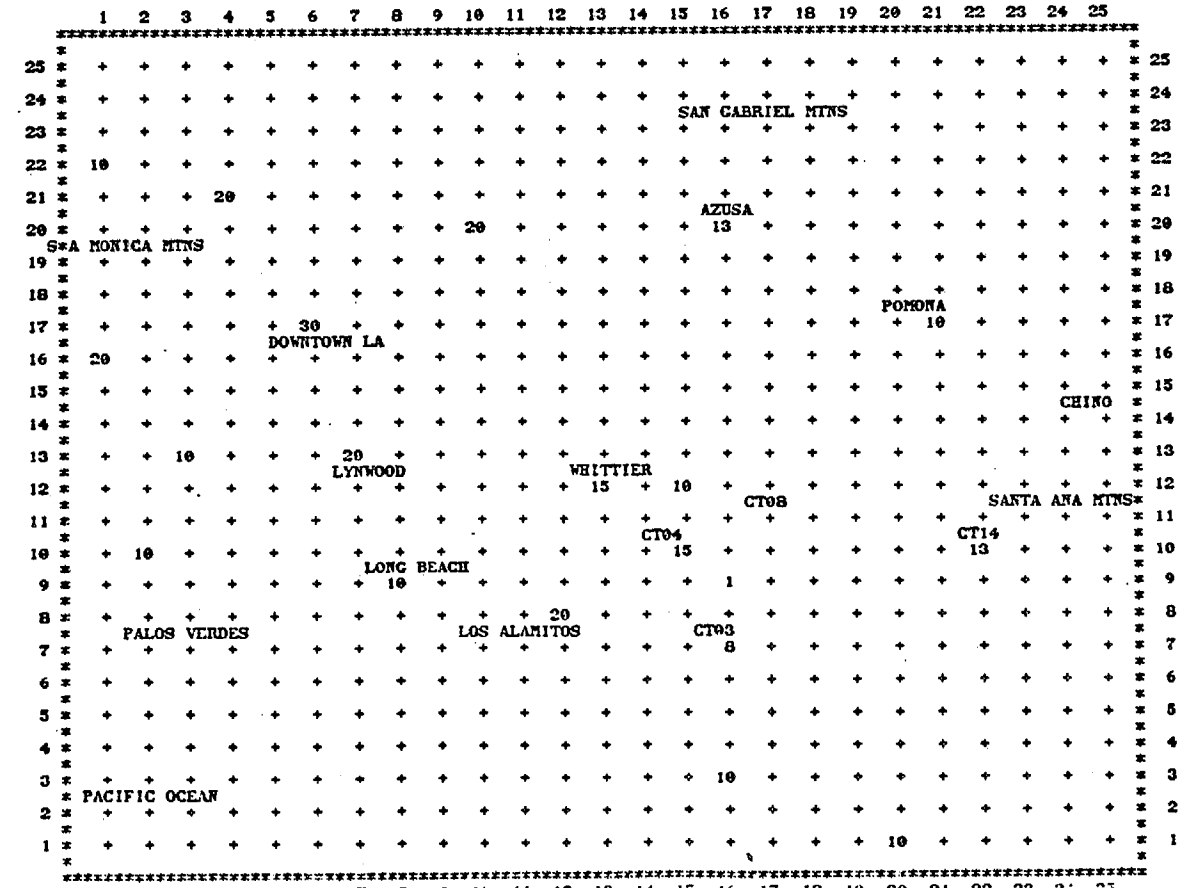
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741030 BETWEEN THE HOURS OF 1400. AND 1500. PST



PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 BETWEEN THE HOURS OF 1400. AND 1500. PST



PANEL 1 MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 AVERAGED BETWEEN THE HOURS OF 1400. AND 1500. PST



PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741030 BETWEEN THE HOURS OF 1500. AND 1600. PST

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20	0	0	0	0	0	0	0	0	0	1	3	5	7	7	5	2	1	0	0	0	0	0	0	0	0	20
19	0	0	0	0	0	0	0	0	1	2	5	8	10	12	10	7	5	4	3	2	1	0	0	0	0	19
18	0	0	0	0	0	0	0	0	1	3	5	8	12	15	17	16	16	14	11	7	3	1	0	0	0	18
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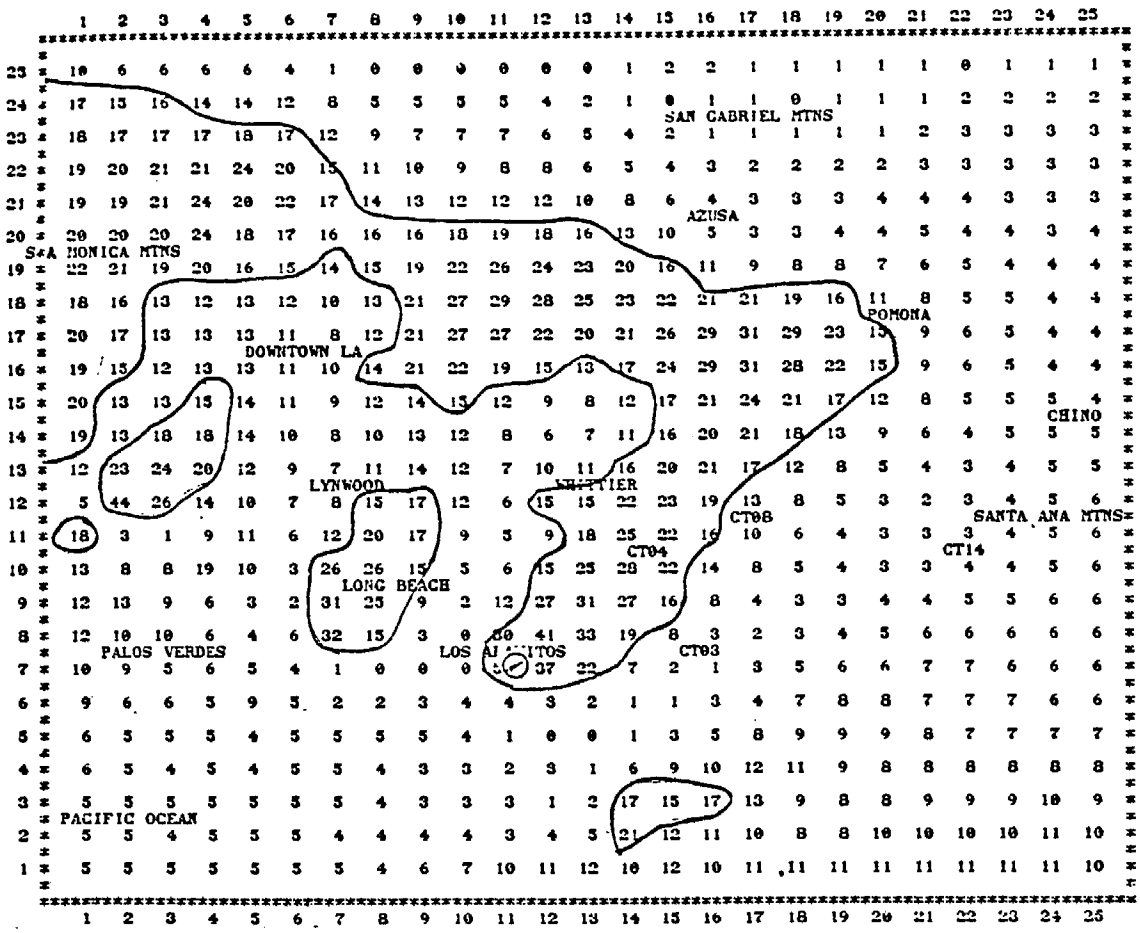
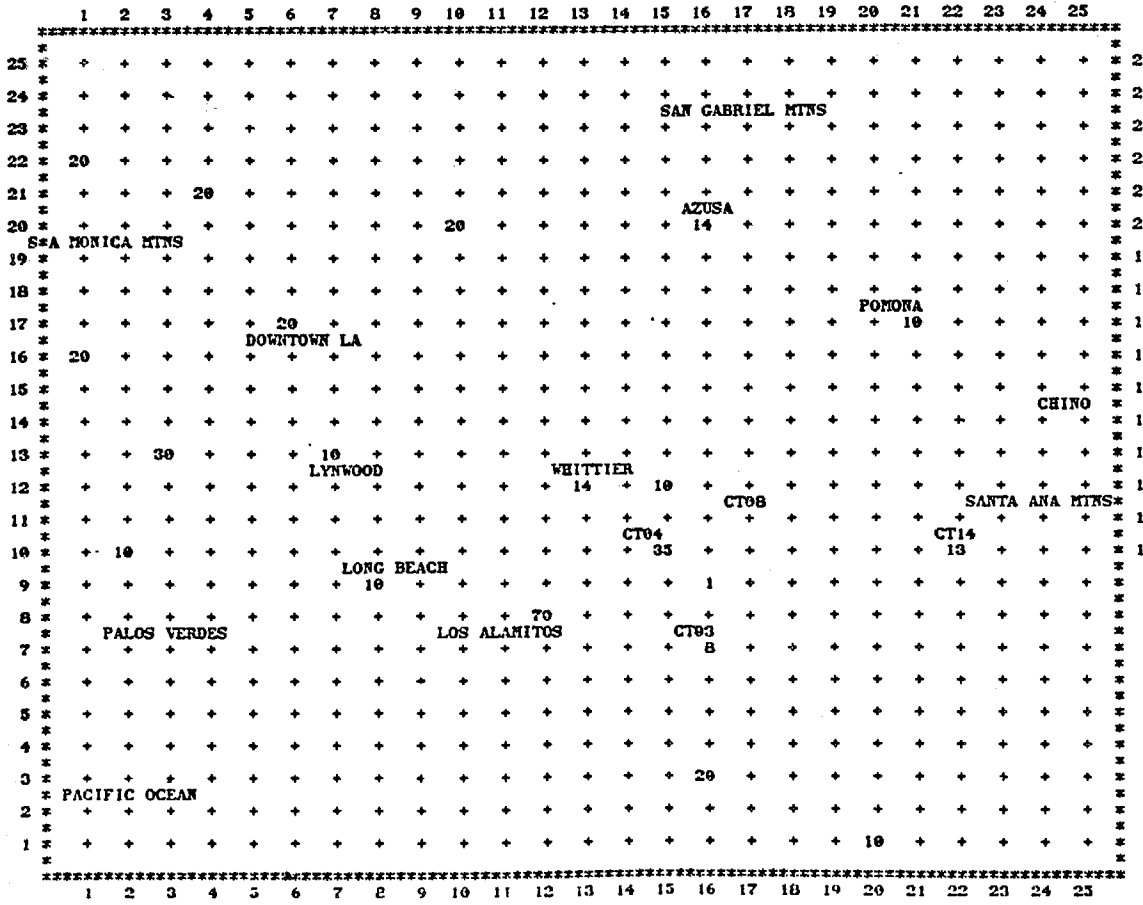
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	

SAN GABRIEL MTNS
AZUSA
S*A MONICA MTNS
POMONA
DOWNTOWN LA
CHINO
LYNWOOD
WHITTIER
CT08
SANTA ANA MTNS
CT04
CT14
LONG BEACH
PALOS VERDES
LOS ALAMITOS
CT03
PACIFIC OCEAN

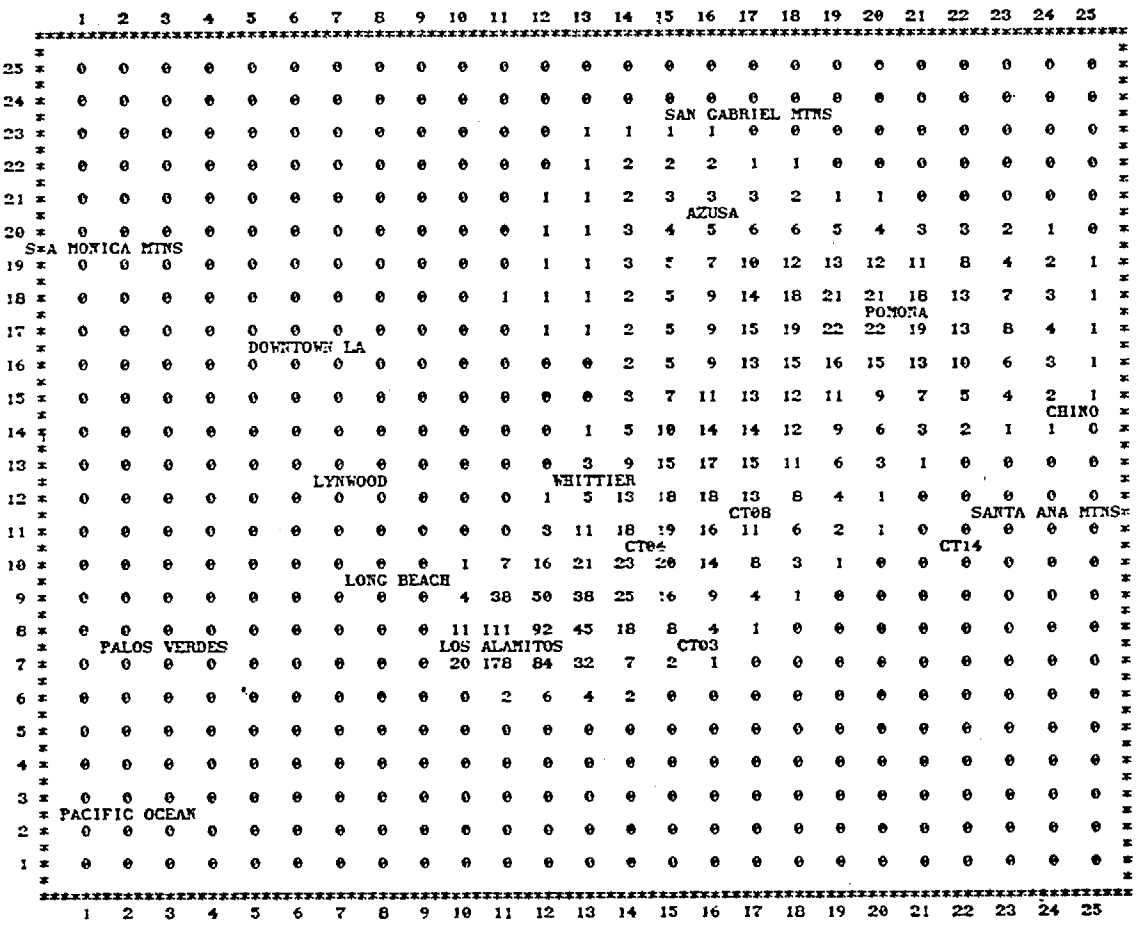
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 BETWEEN THE HOURS OF 1500. AND 1600. PST



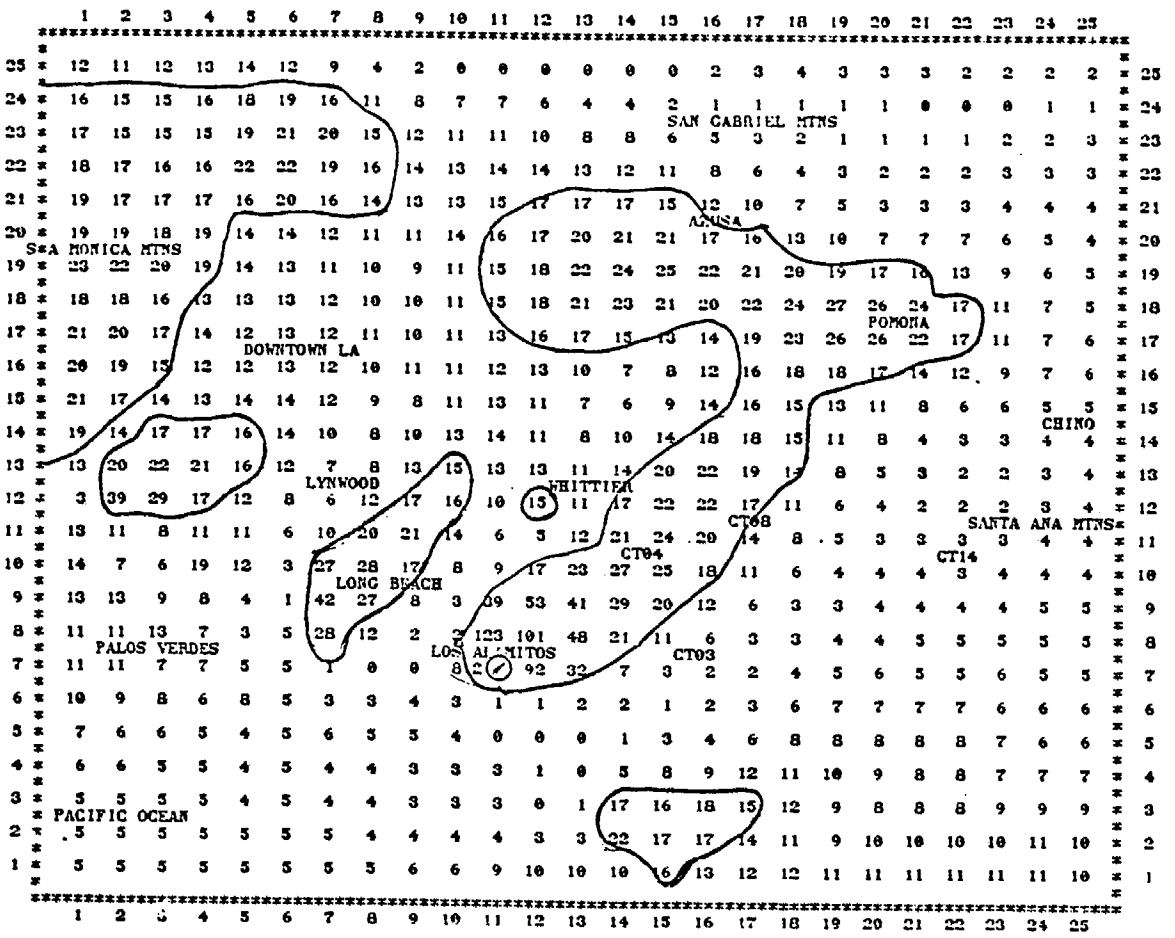
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 AVERAGED BETWEEN THE HOURS OF 1500. AND 1600. PST



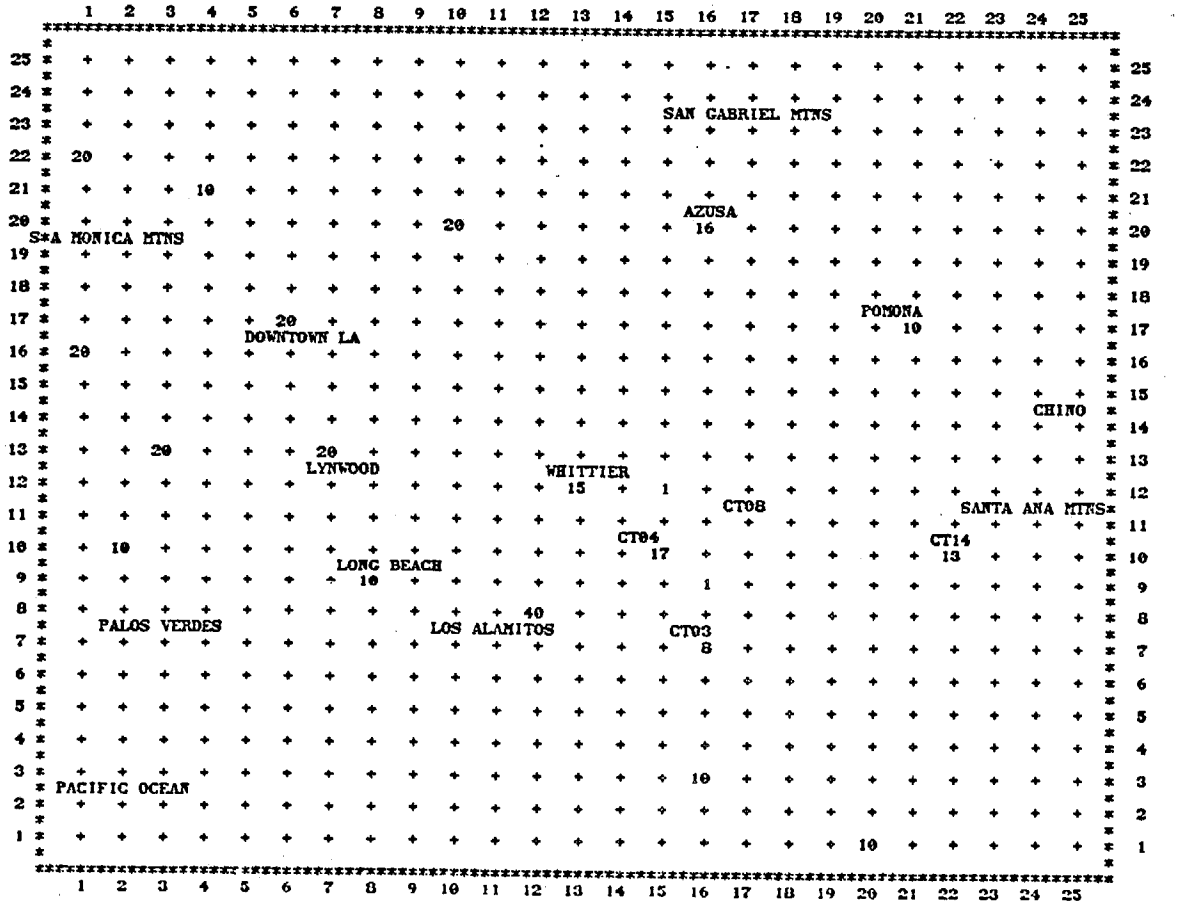
PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741030 BETWEEN THE HOURS OF 1600. AND 1700. PST



PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 BETWEEN THE HOURS OF 1600. AND 1700. PST



MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 AVERAGED BETWEEN THE HOURS OF 1600. AND 1700. PST



PREDICTED CONCENTRATIONS(PPB) OF SO2 IN THE PLUME ON 741030 BETWEEN THE HOURS OF 1700. AND 1800. PST

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	

SAN GABRIEL MTNS
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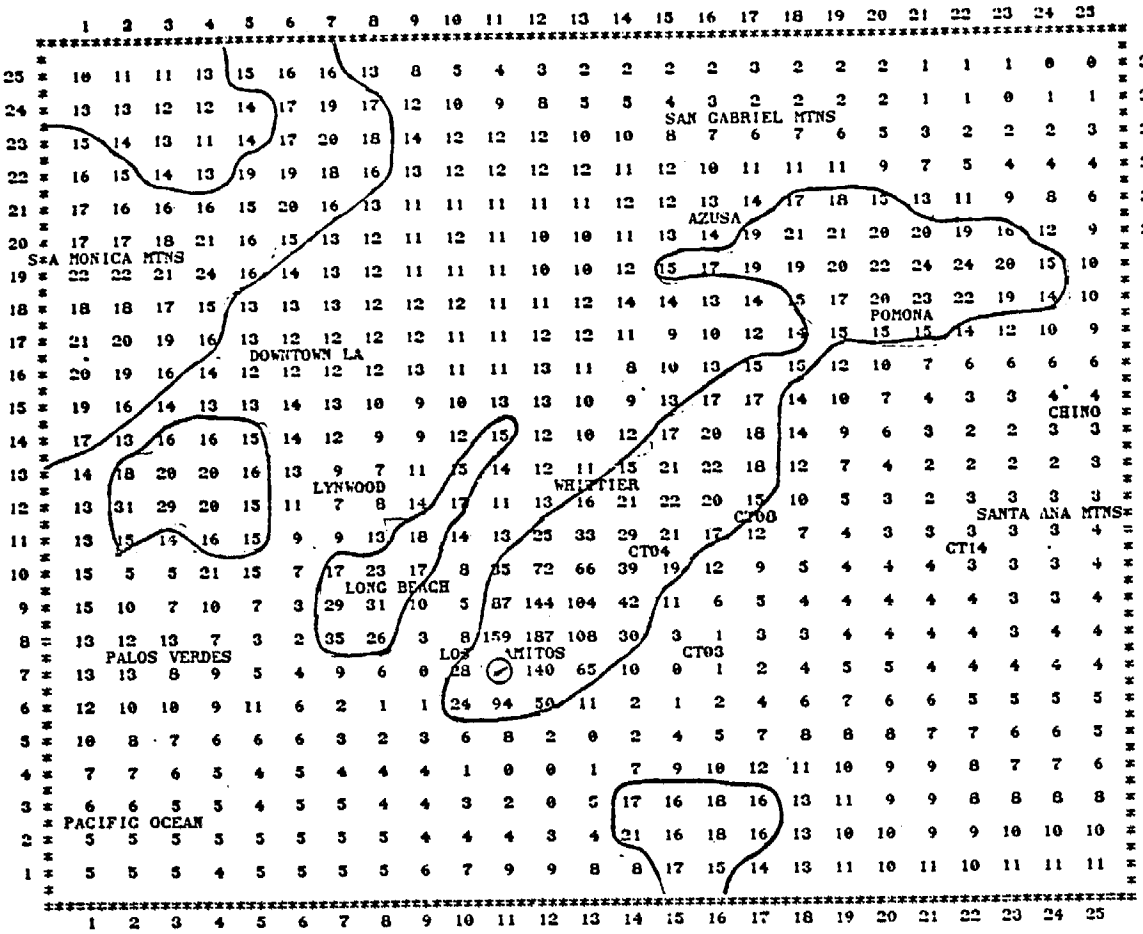
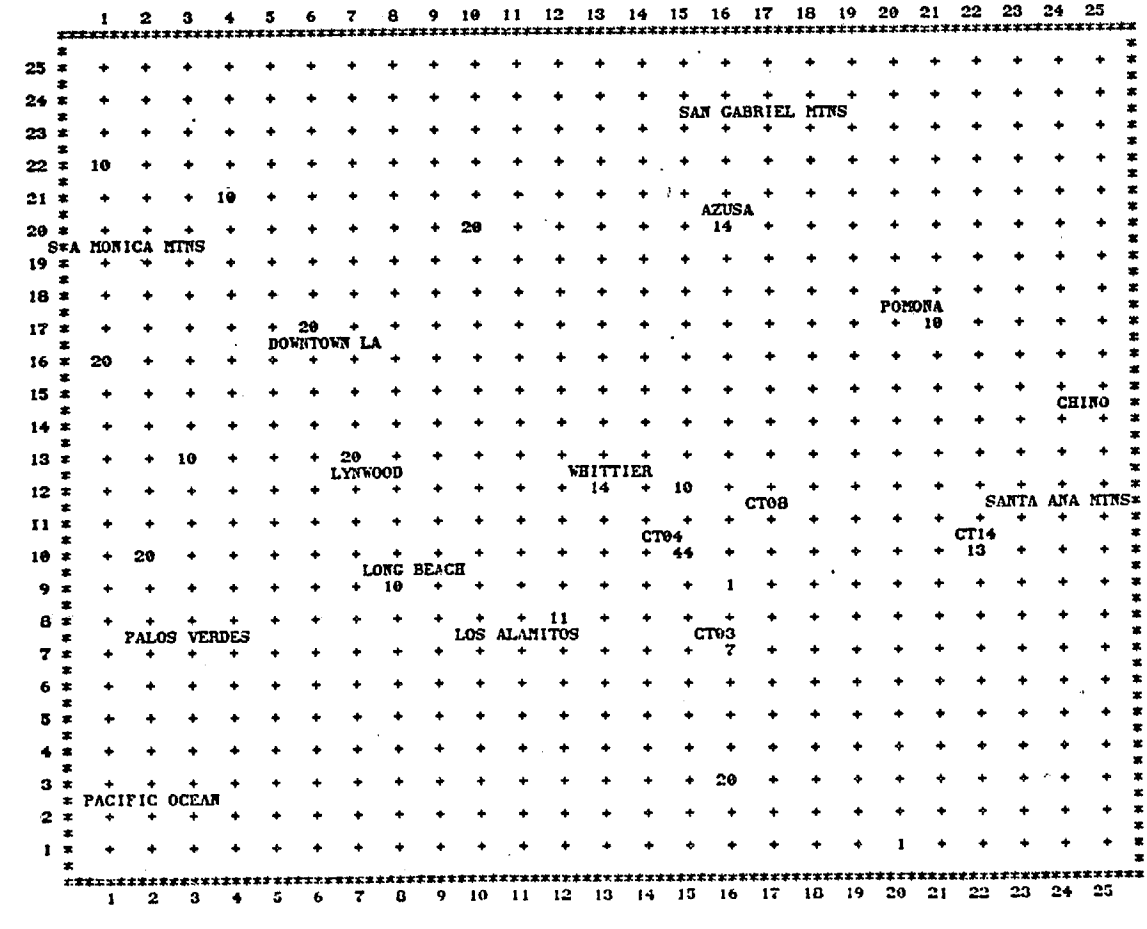
POMONA
DOWNTOWN LA
CHINO
LYNWOOD
WHITTIER
CT08
SANTA ANA MTNS
CT04
CT14
LONG BEACH
LOS ALAMITOS
CT03
PALOS VERDES
PACIFIC OCEAN

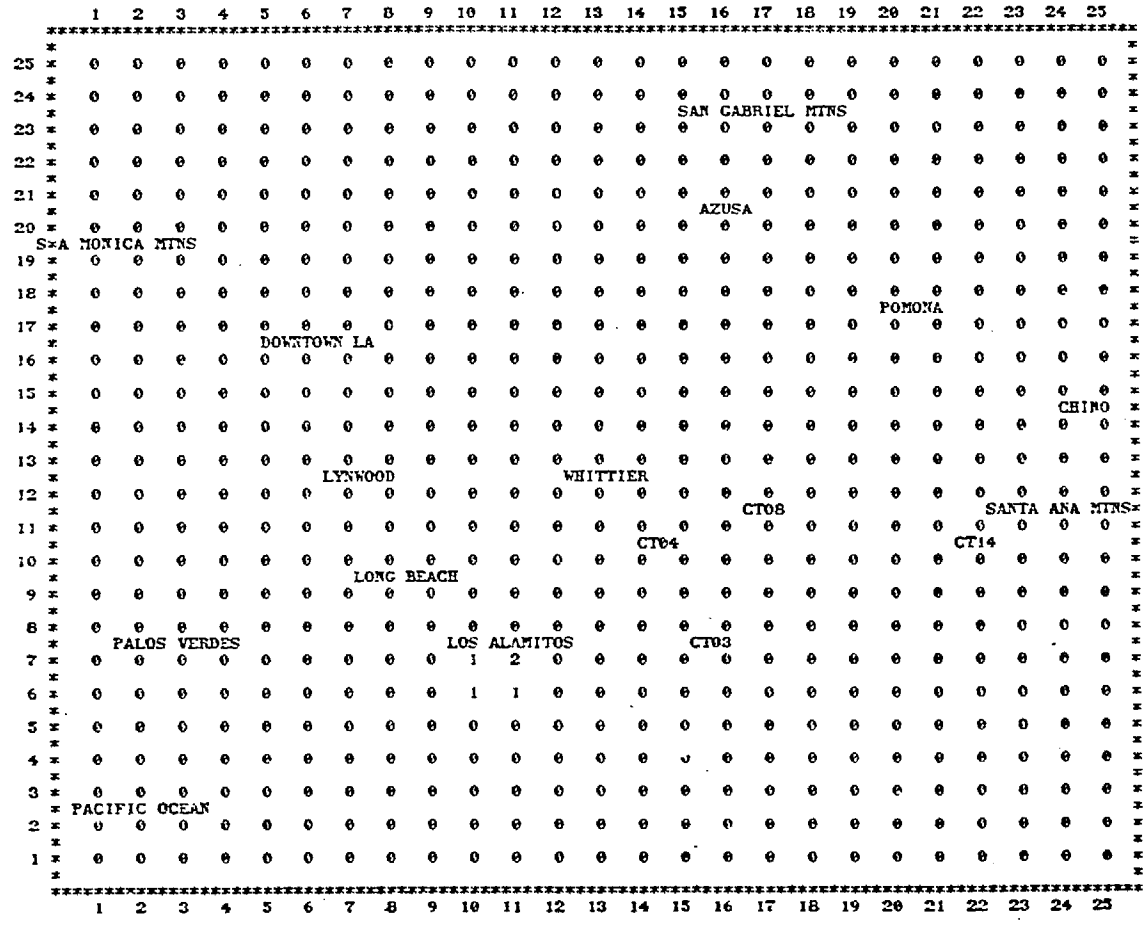
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 BETWEEN THE HOURS OF 1700. AND 1800. PST



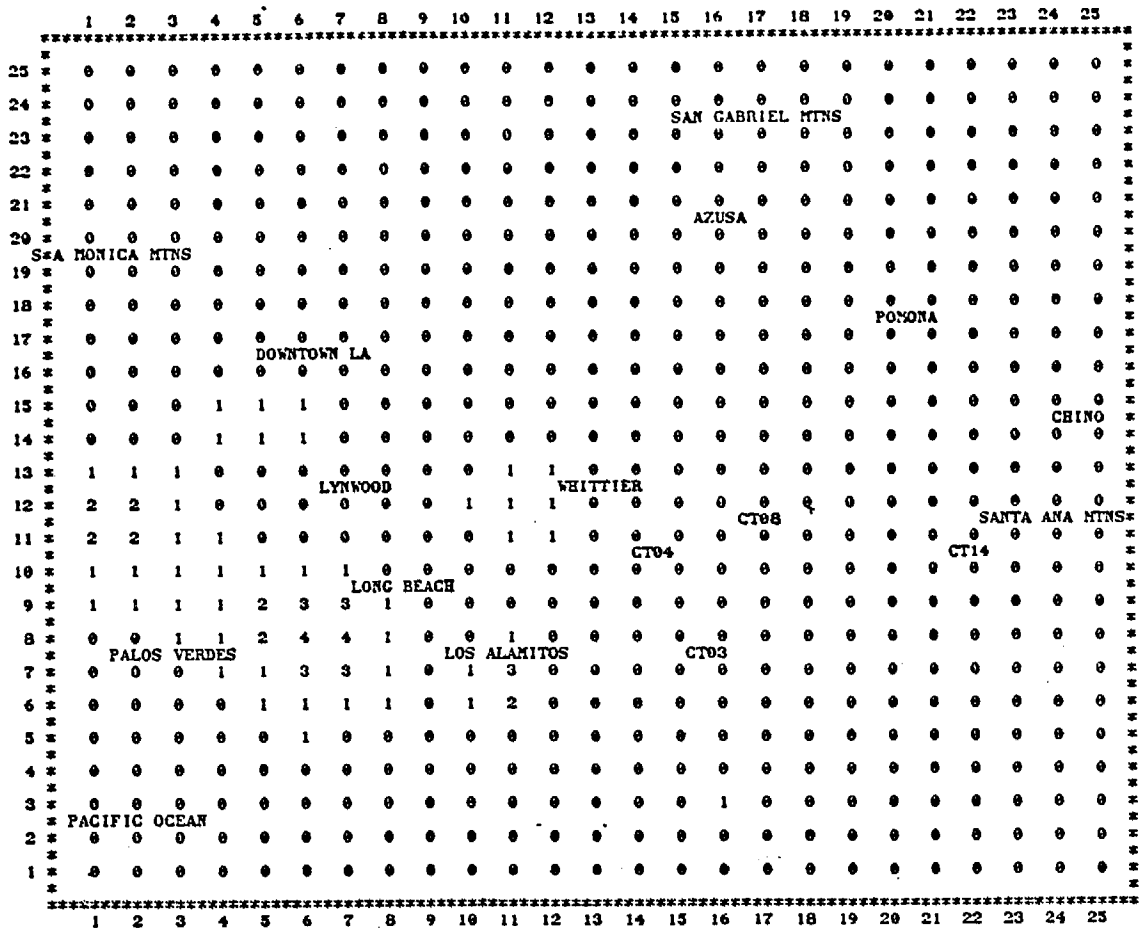
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 741030 AVERAGED BETWEEN THE HOURS OF 1700. AND 1800. PST



PREDICTED CONCENTRATIONS(PPB) OF SO4 IN THE PLUME ON 741030 BETWEEN THE HOURS OF 700. AND 800. PST

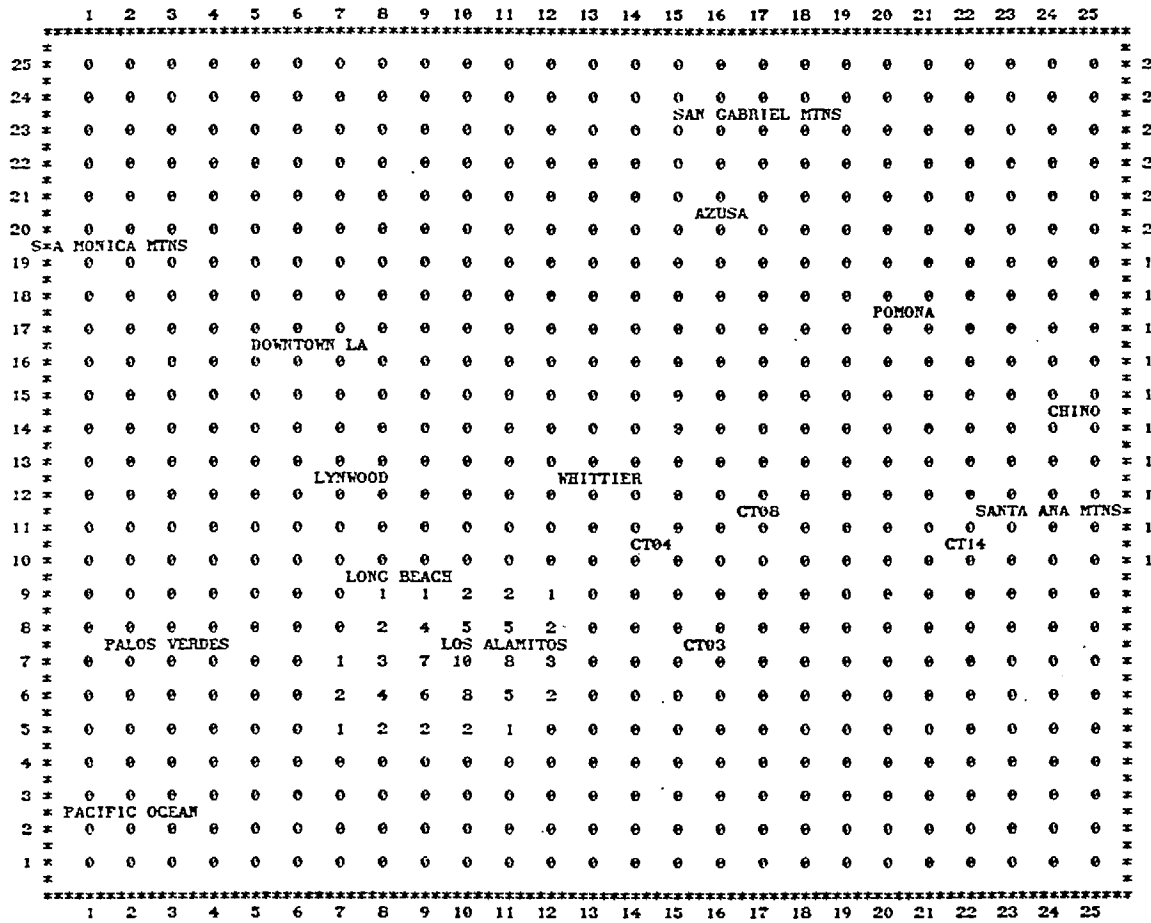


PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741030 BETWEEN THE HOURS OF 700. AND 800. PST

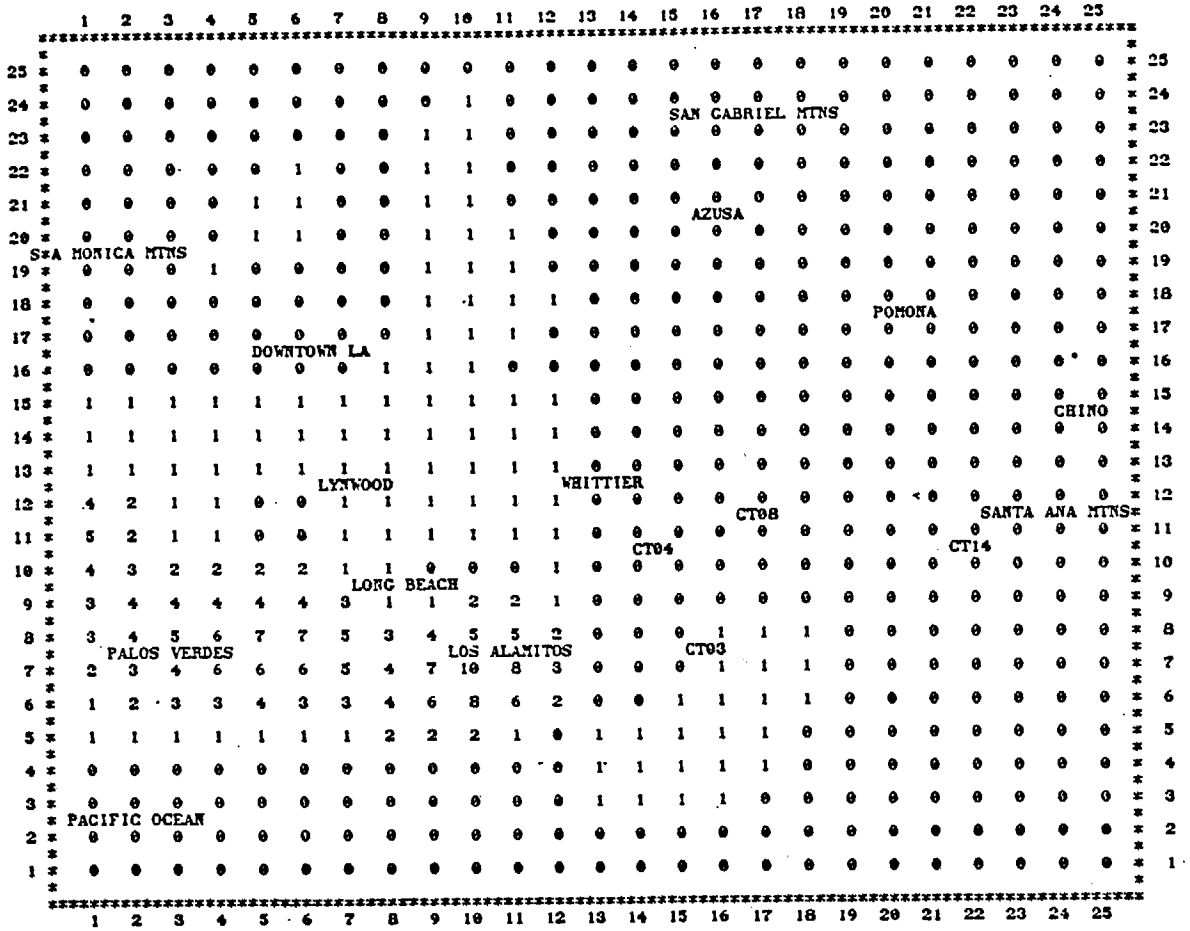


[NO $SO_4^=$ DATA WAS REPORTED FOR THIS HOUR]

PREDICTED CONCENTRATIONS(PPB) OF SO4 IN THE PLUME ON 741030 BETWEEN THE HOURS OF 900. AND 1000. PST

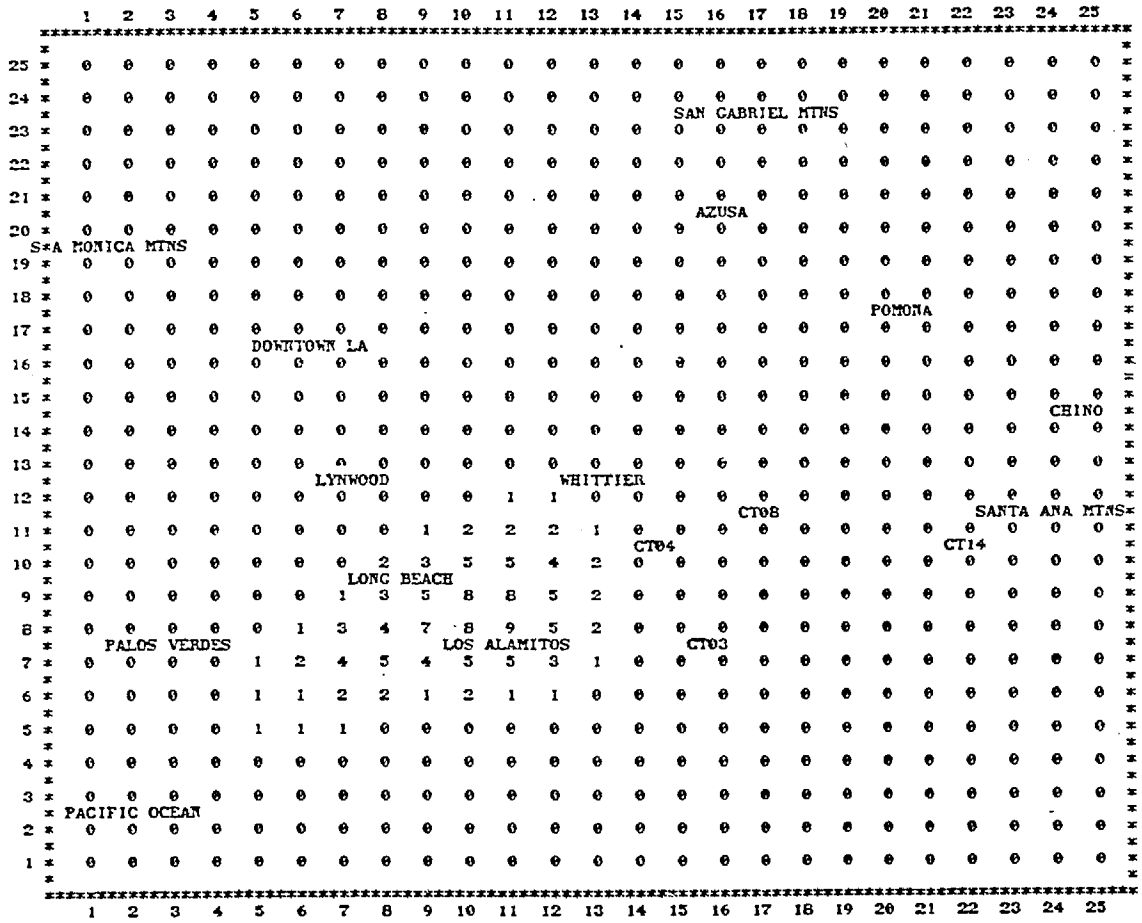


PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741030 BETWEEN THE HOURS OF 900. AND 1000. PST

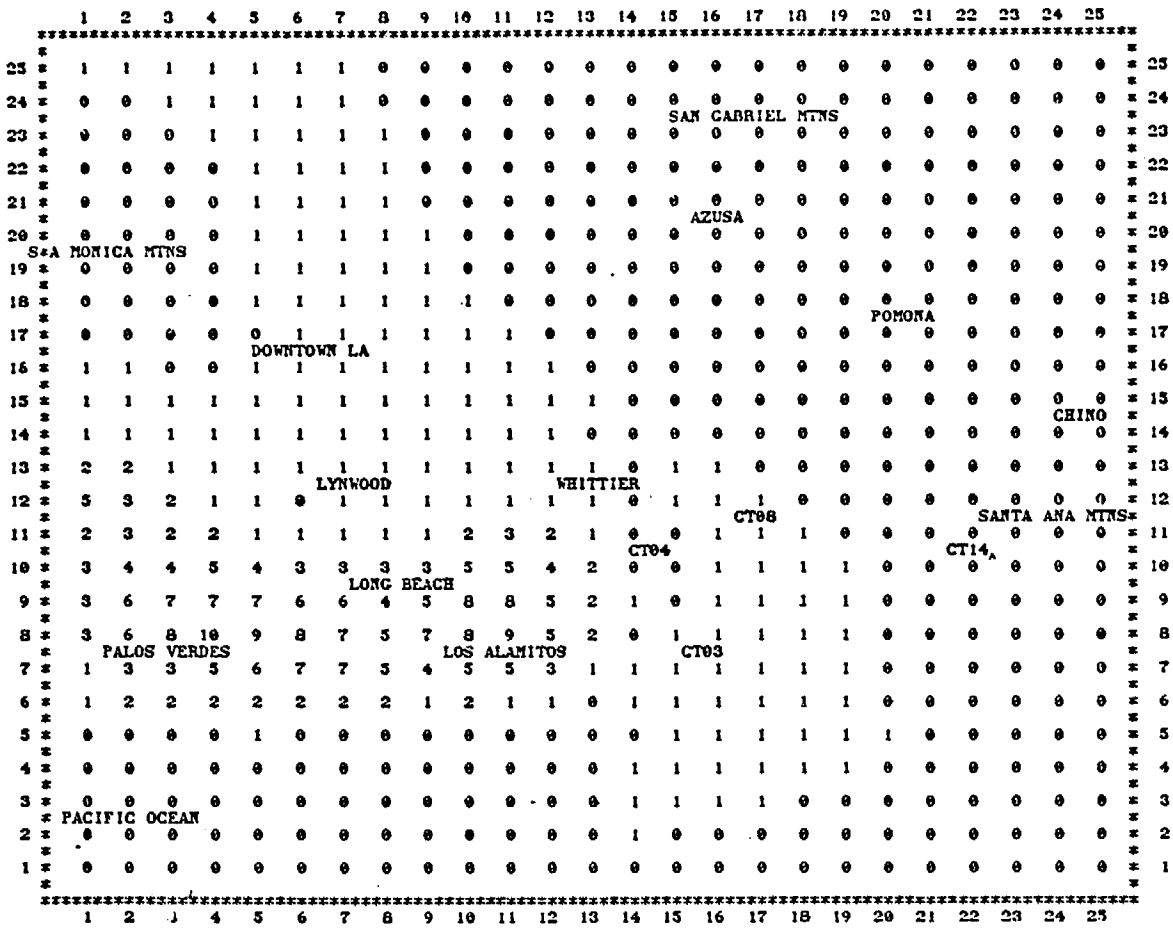


[NO $SO_4^=$ DATA WAS REPORTED FOR THIS HOUR]

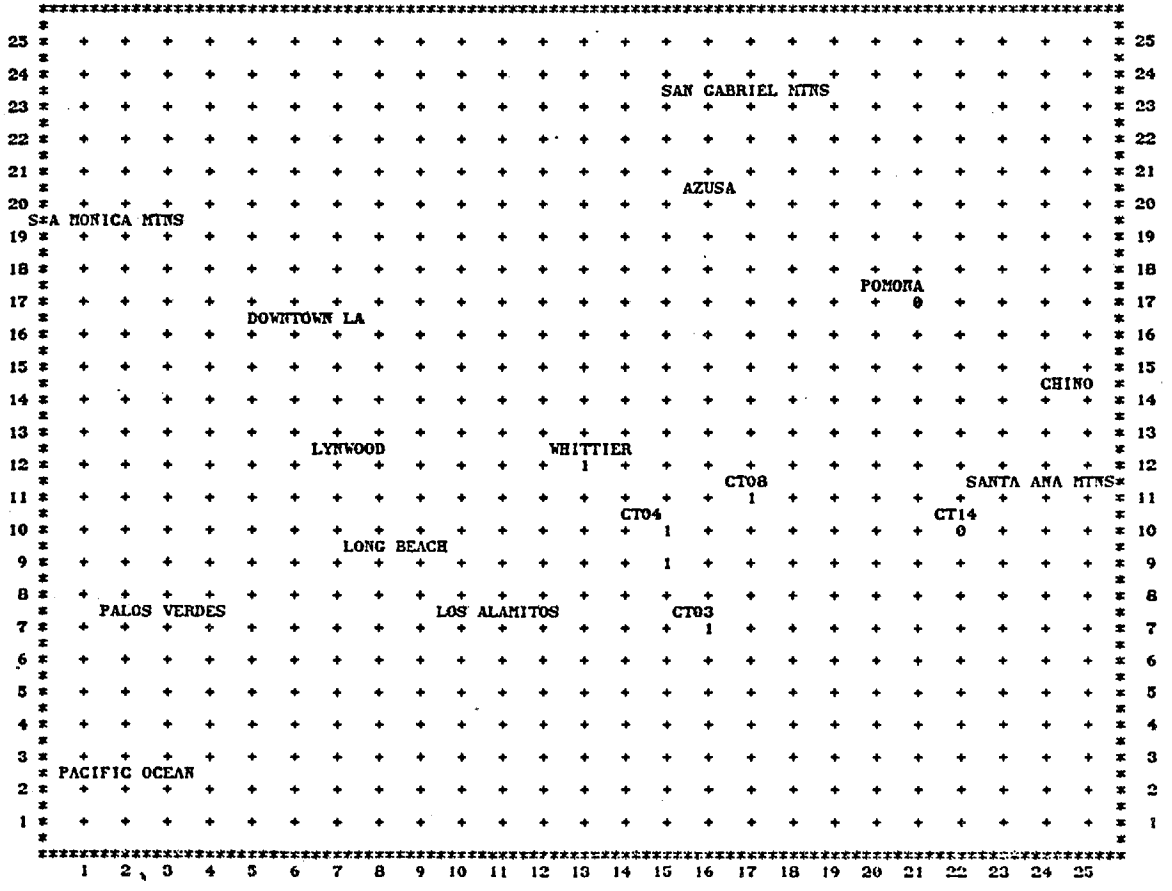
PREDICTED CONCENTRATIONS(PPB) OF SO4 IN THE PLUME ON 741030 BETWEEN THE HOURS OF 1100. AND 1200. PST



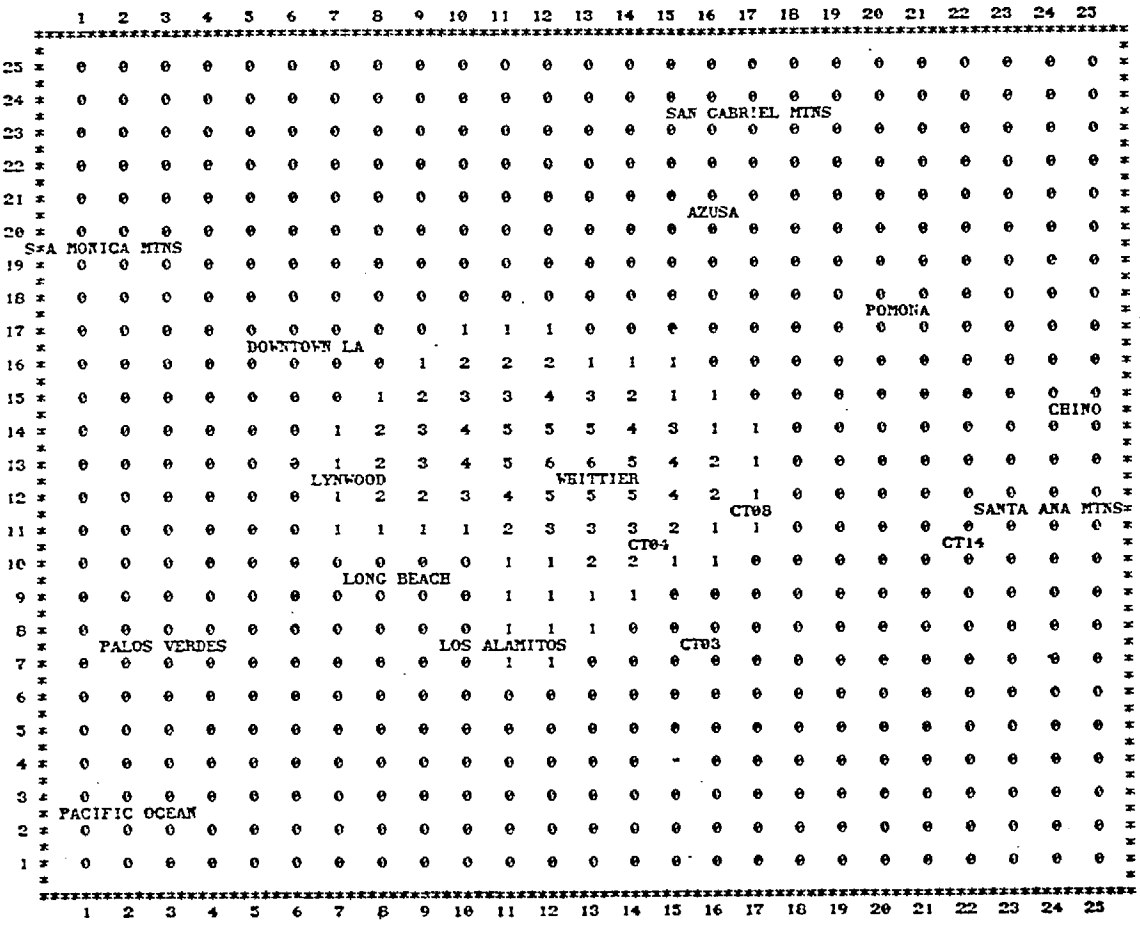
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741030 BETWEEN THE HOURS OF 1100. AND 1200. PST



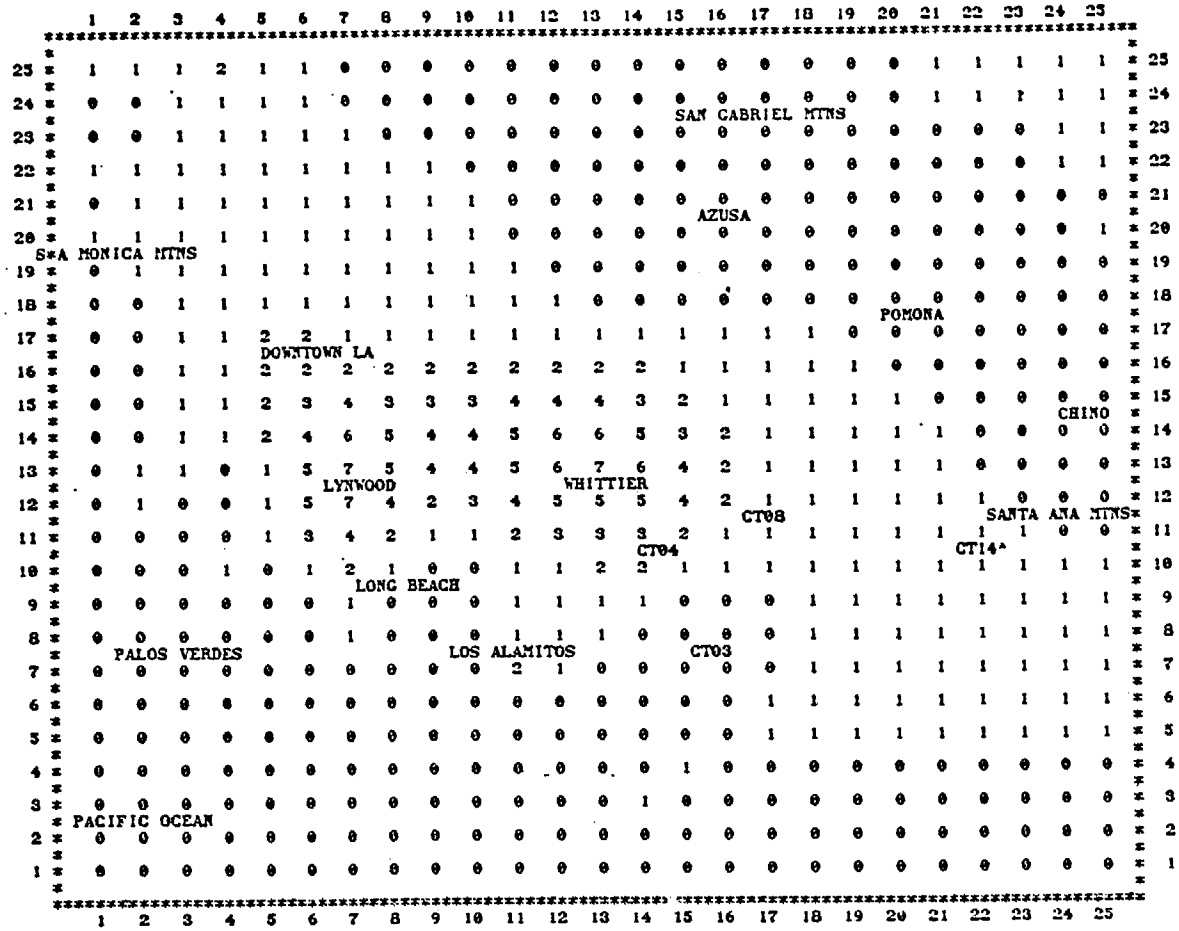
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741030 AVERAGED BETWEEN THE HOURS OF 1100. AND 1200. PST



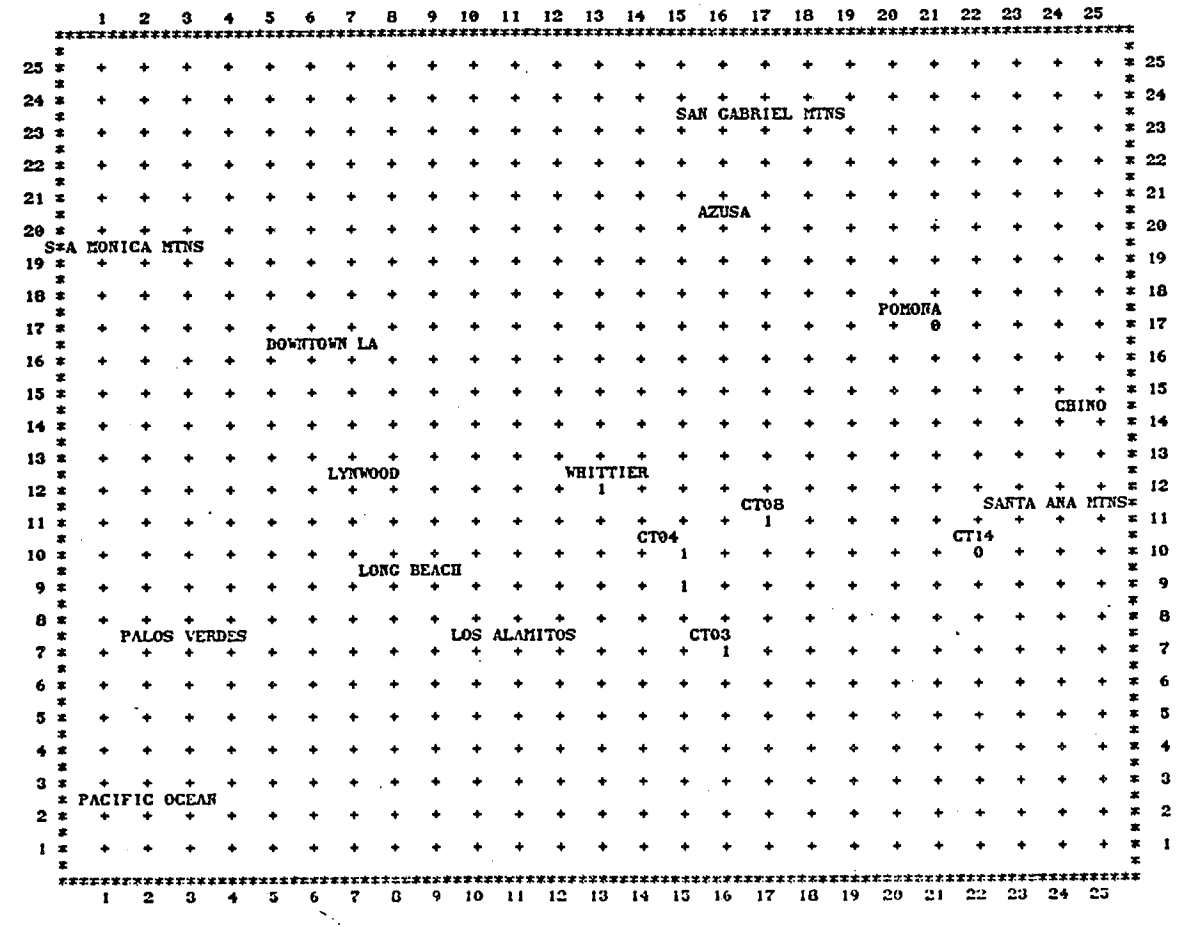
PREDICTED CONCENTRATIONS(PPB) OF SO4 IN THE PLUME ON 741030 BETWEEN THE HOURS OF 1300. AND 1400. PST



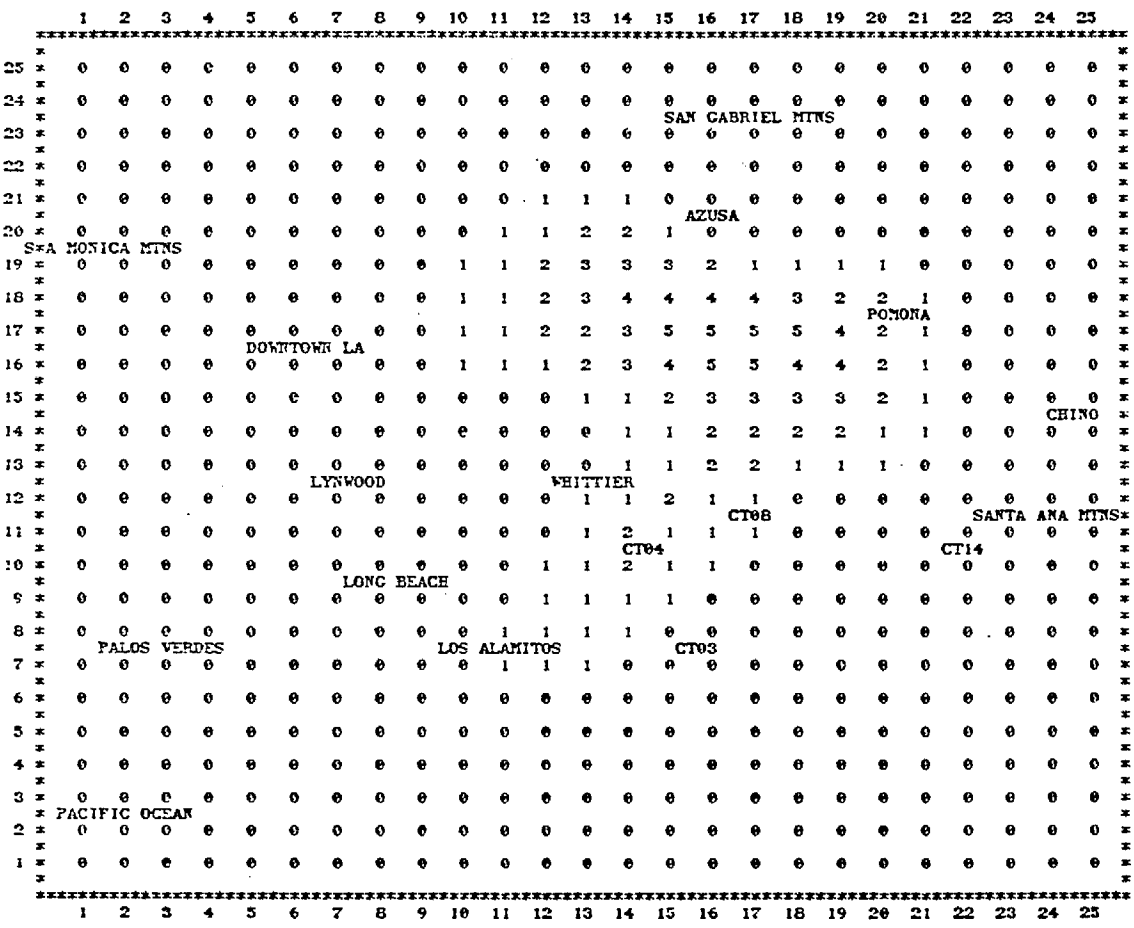
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741030 BETWEEN THE HOURS OF 1300. AND 1400. PST



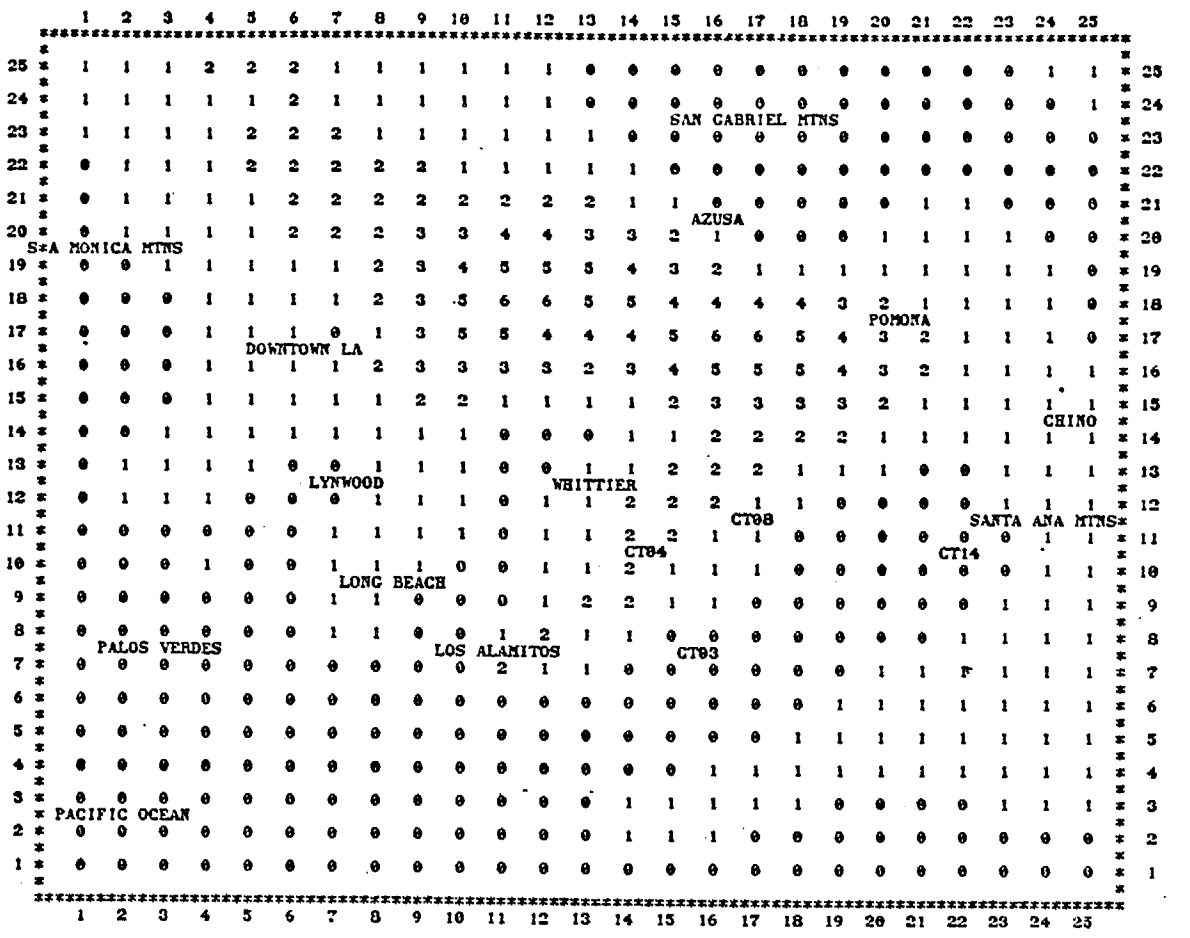
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741030 AVERAGED BETWEEN THE HOURS OF 1300. AND 1400. PST



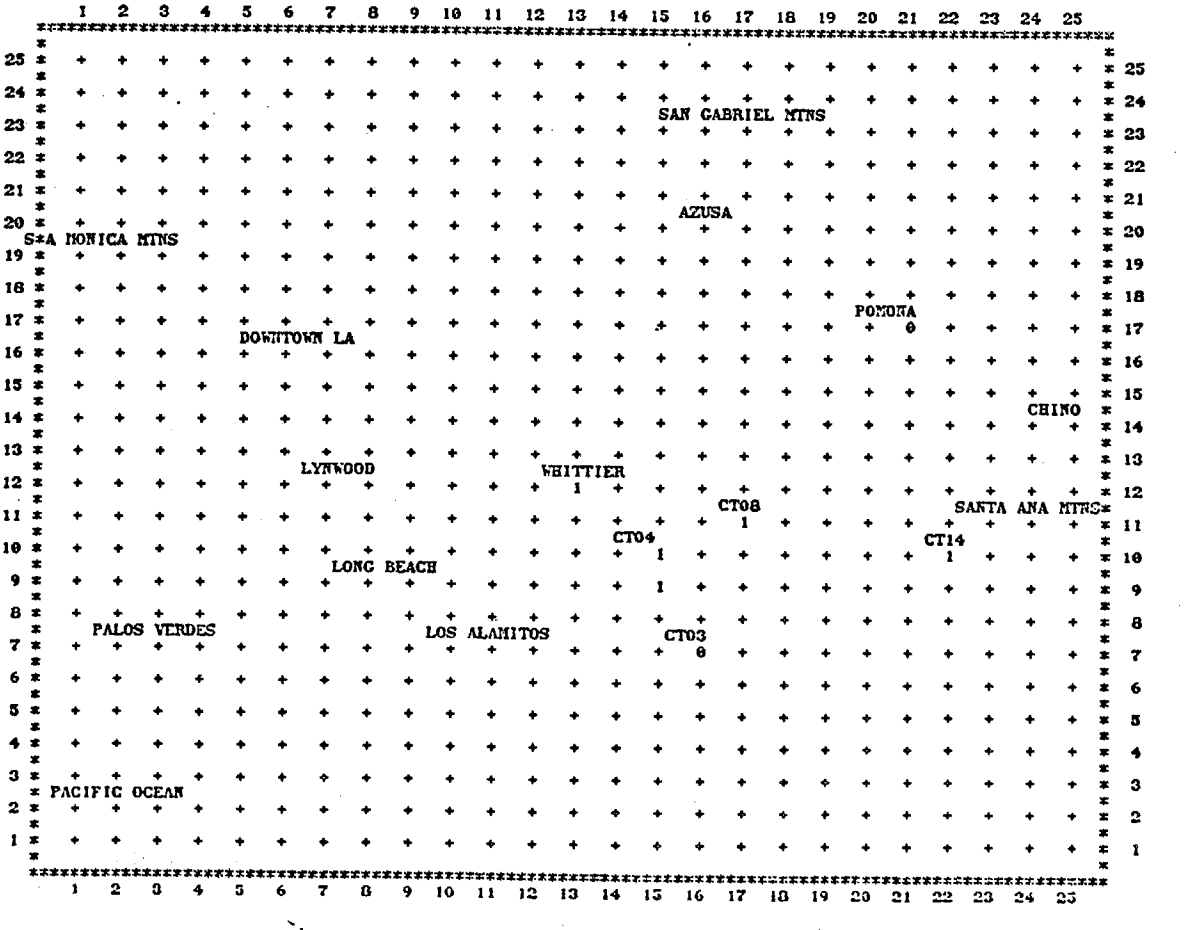
PREDICTED CONCENTRATIONS(PPB) OF SO4 IN THE PLUME ON 741030 BETWEEN THE HOURS OF 1500. AND 1600. PST



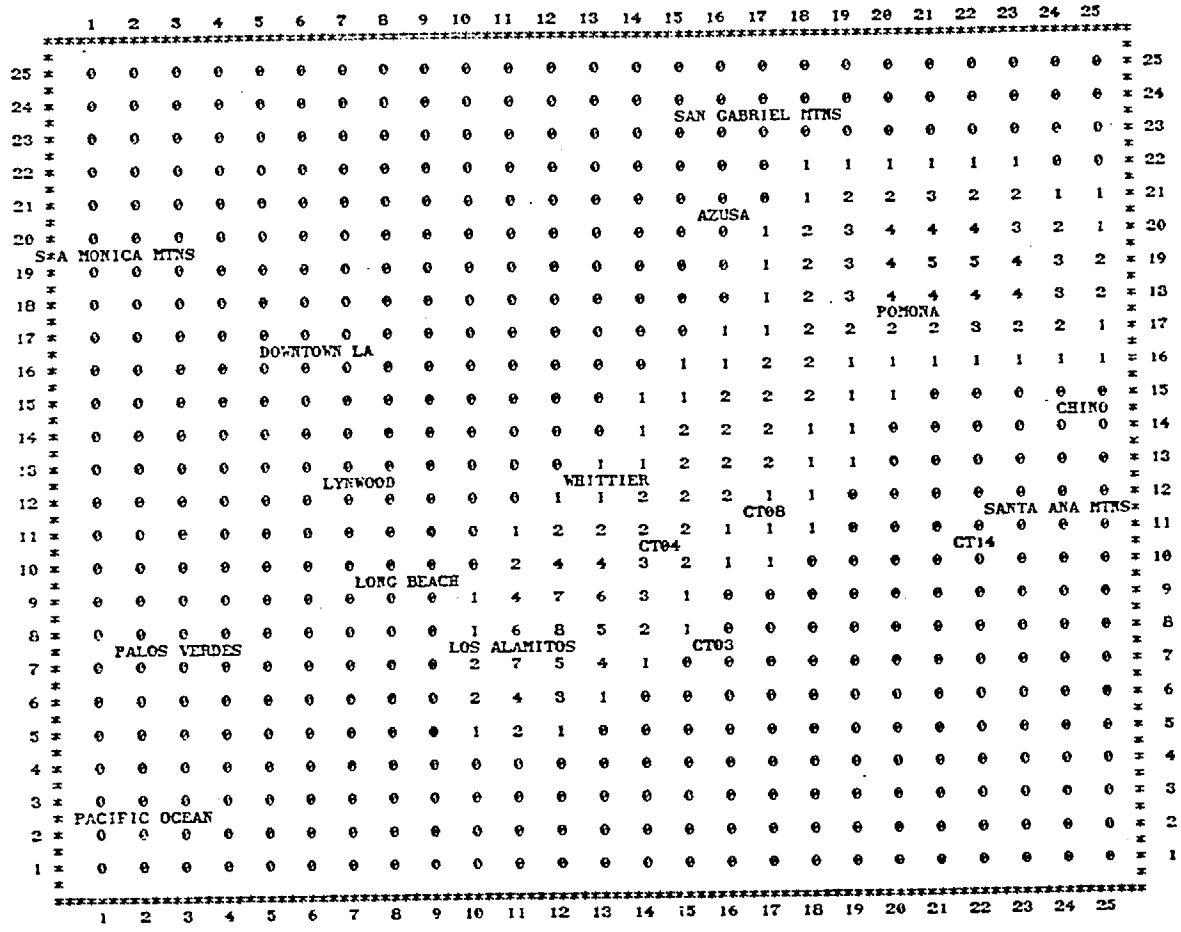
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741030 BETWEEN THE HOURS OF 1500. AND 1600. PST



MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741030 AVERAGED BETWEEN THE HOURS OF 1500. AND 1600. PST



PREDICTED CONCENTRATIONS(PPB) OF SO4 IN THE PLUME ON 741030 BETWEEN THE HOURS OF 1700. AND 1800. PST



PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 741030 BETWEEN THE HOURS OF 1700. AND 1800. PST

```
      1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
   ********************************************************************************
25 *  1  1  1  2  2  2  3  3  3  2  2  2  1  1  1  0  0  0  0  0  0  0  0  0  0 * 25
24 *  1  1  1  1  1  2  3  3  2  2  2  2  1  1  1  1  1  1  1  1  1  0  0  0  0 * 24
                                                SAN GABRIEL MTNS
23 *  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  1  2  2  1  1  0  0  0  1 * 23
22 *  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  3  3  2  2  1  1  1  1 * 22
21 *  0  1  1  1  1  1  1  1  1  1  1  2  2  2  3  3  3  4  5  4  3  3  2  2  1 * 21
                                             AZUSA
20 *  0  1  1  1  1  1  1  1  1  1  1  1  1  2  3  3  4  5  5  5  5  4  4  3  2 * 20
   S*A MONICA MTNS
19 *  0  1  1  1  1  1  1  1  1  1  1  1  2  2  3  4  4  4  5  5  5  5  5  3  2 * 19
18 *  0  0  1  1  1  1  1  1  1  1  1  1  2  2  2  2  2  3  3  4  5  5  4  3  2 * 18
                                                         POMONA
17 *  0  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  2  2  2  2  3  3  2  2  2 * 17
                  DOWNTOWN LA
16 *  0  1  1  1  1  1  1  1  1  1  1  1  1  1  1  2  2  2  2  1  1  1  1  1  1 * 16
15 *  0  0  1  1  1  1  1  1  1  1  1  1  1  1  2  2  2  2  1  1  0  0  0  0  1 * 15
                                                                        CHINO
14 *  0  0  1  1  1  1  1  1  1  1  1  1  1  1  2  3  2  2  1  1  0  0  0  0  0 * 14
13 *  0  1  1  1  1  1  1  0  1  1  1  1  1  2  2  3  2  1  1  0  0  0  0  0  0 * 13
                     LYNWOOD                 WHITTIER
12 *  0  1  1  1  1  1  0  0  1  1  1  1  1  2  2  2  2  1  1  0  0  0  0  0  0 * 12
                                                CT08                SANTA ANA MTNS*
11 *  0  1  1  1  1  0  0  1  1  1  1  2  2  2  2  2  1  1  0  0  0  0  0  0  0 * 11
                                          CT04                        CT14
10 *  0  0  0  1  1  0  1  1  0  2  4  4  3  2  1  1  0  0  0  0  0  0  0  1  1 * 10
                        LONG BEACH
 9 *  0  0  0  0  0  0  1  1  1  0  4  8  6  3  1  1  0  0  0  0  0  0  0  1  1 * 9
 8 *  0  0  0  0  0  0  1  1  0  0  7 10  6  2  0  0  0  0  0  0  0  0  0  1  1 * 8
      PALOS VERDES                    LOS ALAMITOS          CT03
 7 *  0  0  0  0  0  0  0  0  0  1  8  7  3  1  0  0  0  0  0  0  0  0  1  1  1 * 7
 6 *  0  0  0  0  0  0  0  0  0  1  4  2  1  0  0  0  0  0  1  1  1  1  1  1  1 * 6
 5 *  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1 * 5
 4 *  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1 * 4
 3 *  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1 * 3
   * PACIFIC OCEAN
 2 *  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1 * 2
 1 *  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1  1 * 1
   ********************************************************************************
      1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
```

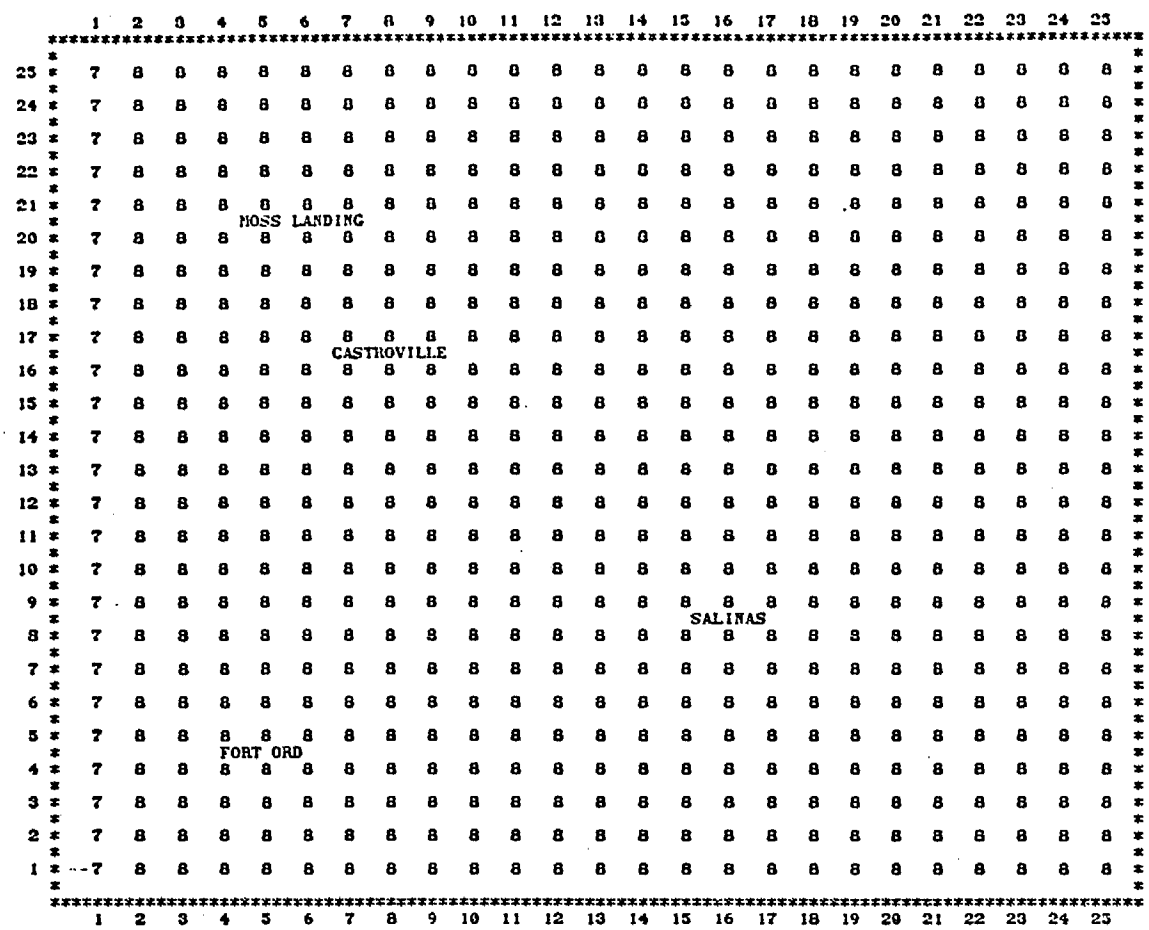
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 741030 AVERAGED BETWEEN THE HOURS OF 1700. AND 1800. PST

```
      1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
   ********************************************************************************
25 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 25
24 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 24
                                                SAN GABRIEL MTNS
23 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 23
22 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 22
21 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 21
                                             AZUSA
20 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 20
   S*A MONICA MTNS
19 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 19
18 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 18
                                                         POMONA
17 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  0  +  +  +  + * 17
                  DOWNTOWN LA
16 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 16
15 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 15
                                                                        CHINO
14 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 14
13 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 13
                     LYNWOOD                 WHITTIER
12 *  +  +  +  +  +  +  +  +  +  +  +  +  1  +  +  +  +  +  +  +  +  +  +  +  + * 12
                                                CT08                SANTA ANA MTNS*
11 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  1  +  +  +  +  +  +  +  + * 11
                                          CT04                        CT14
10 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  2  +  +  +  +  +  +  +  0  +  + * 10
                        LONG BEACH
 9 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  2  +  +  +  +  +  +  +  +  +  + * 9
 8 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 8
      PALOS VERDES                    LOS ALAMITOS          CT03
 7 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  1  +  +  +  +  +  +  +  +  + * 7
 6 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 6
 5 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 5
 4 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 4
 3 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 3
   * PACIFIC OCEAN
 2 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 2
 1 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 1
   ********************************************************************************
      1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
```

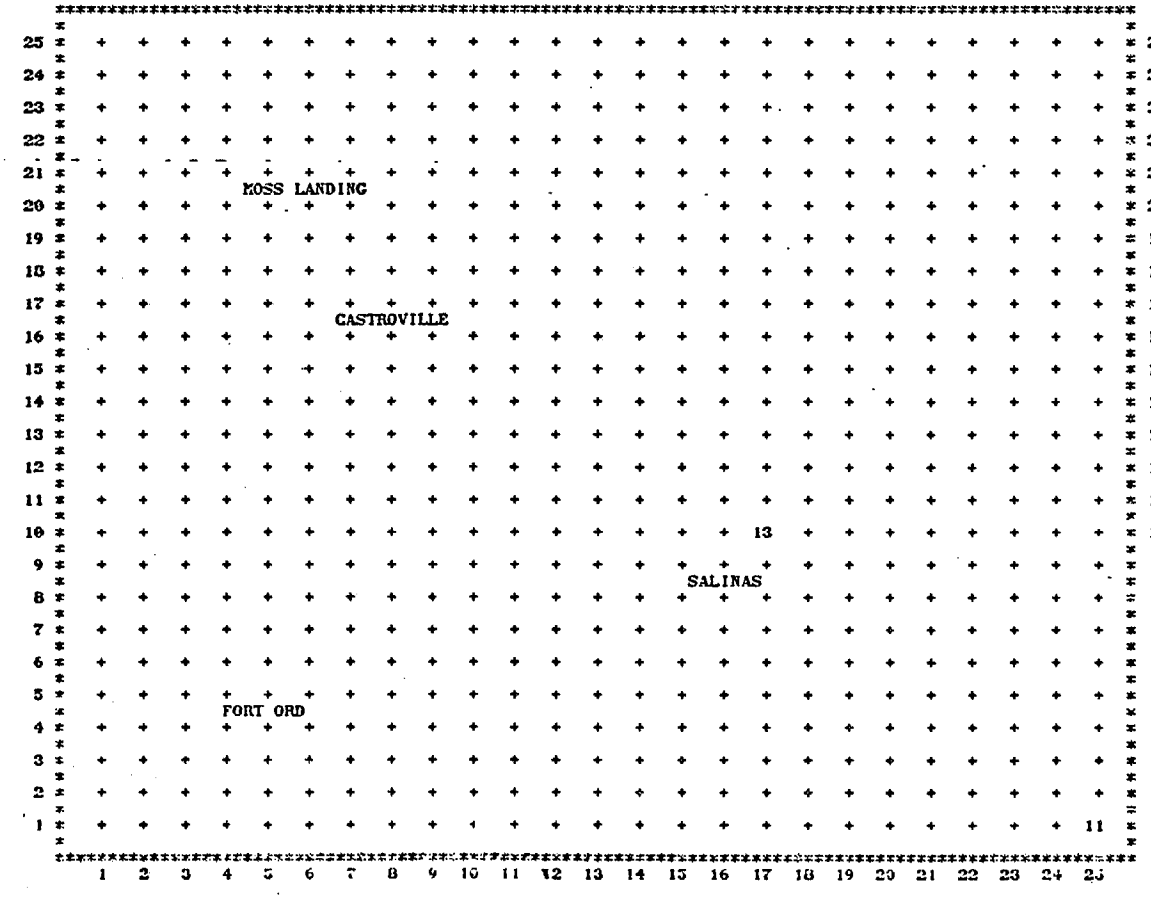
11 SEPTEMBER 1974

MOSS LANDING

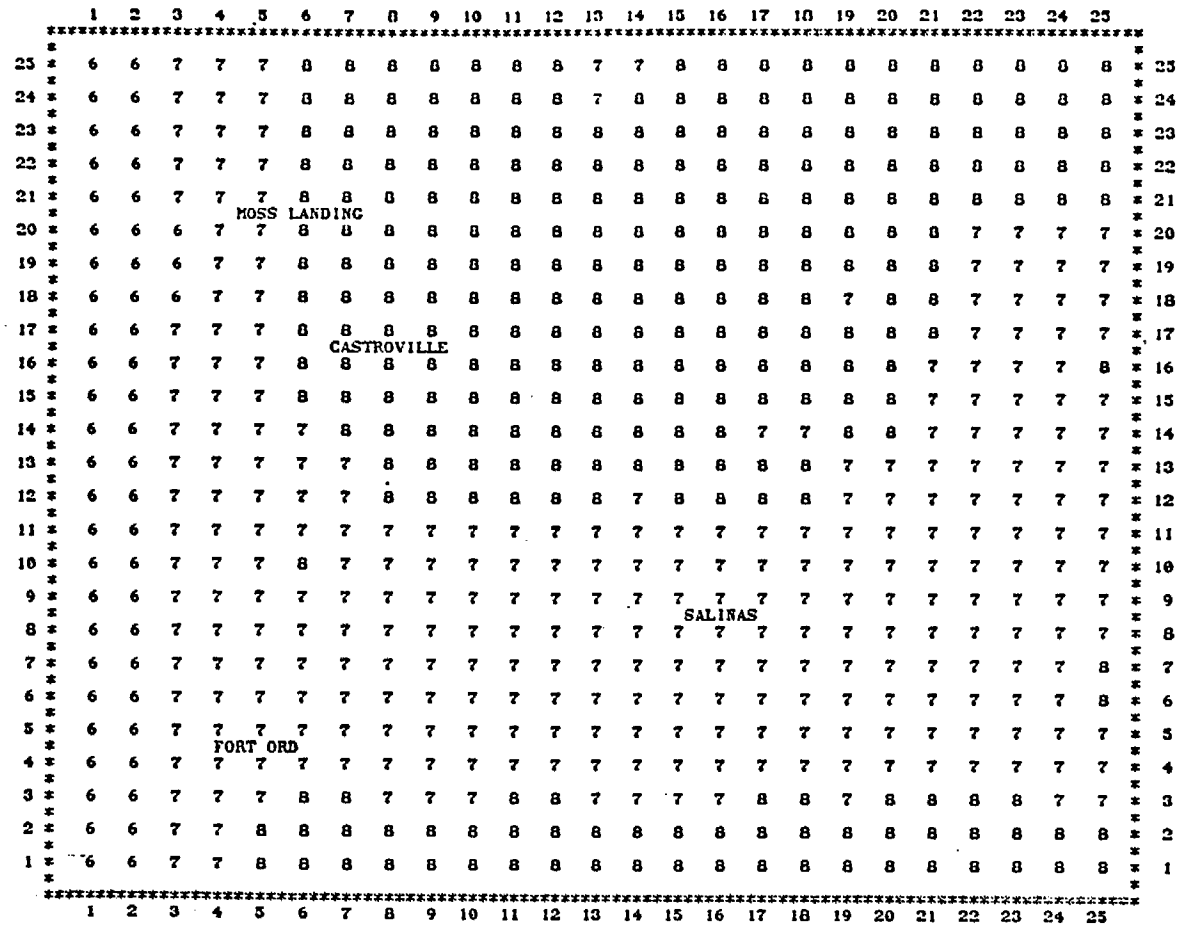
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 BETWEEN THE HOURS OF 900. AND 1000. PST



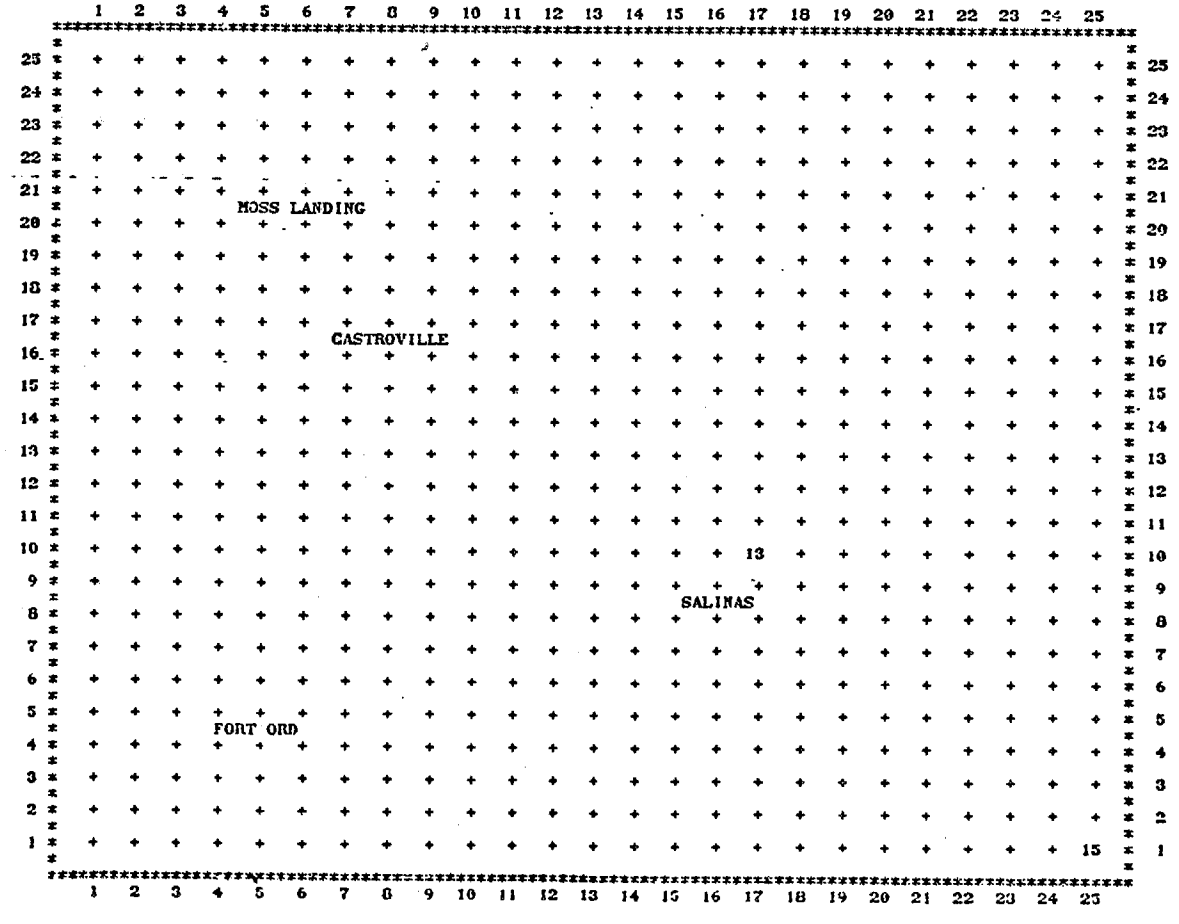
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 AVERAGED BETWEEN THE HOURS OF 900. AND 1000. PST



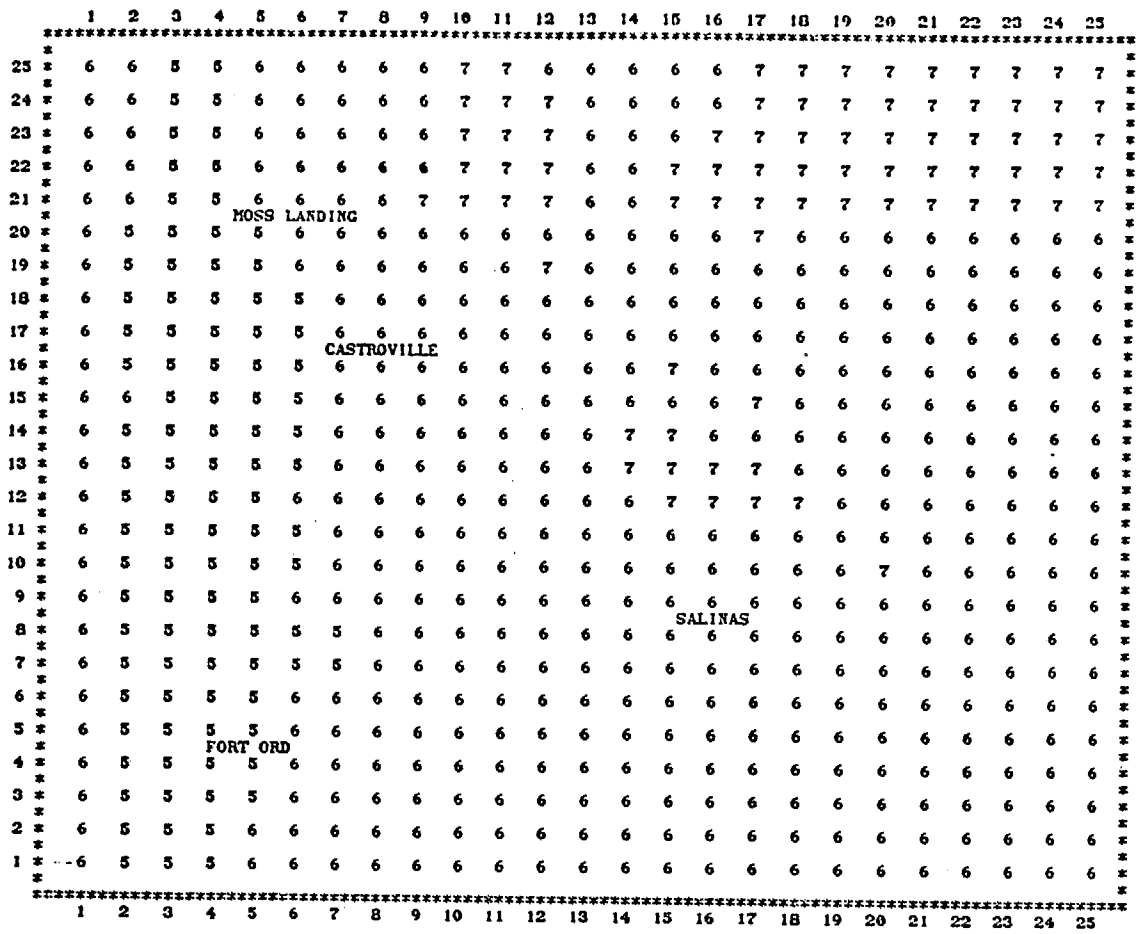
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 BETWEEN THE HOURS OF 1000. AND 1100. PST



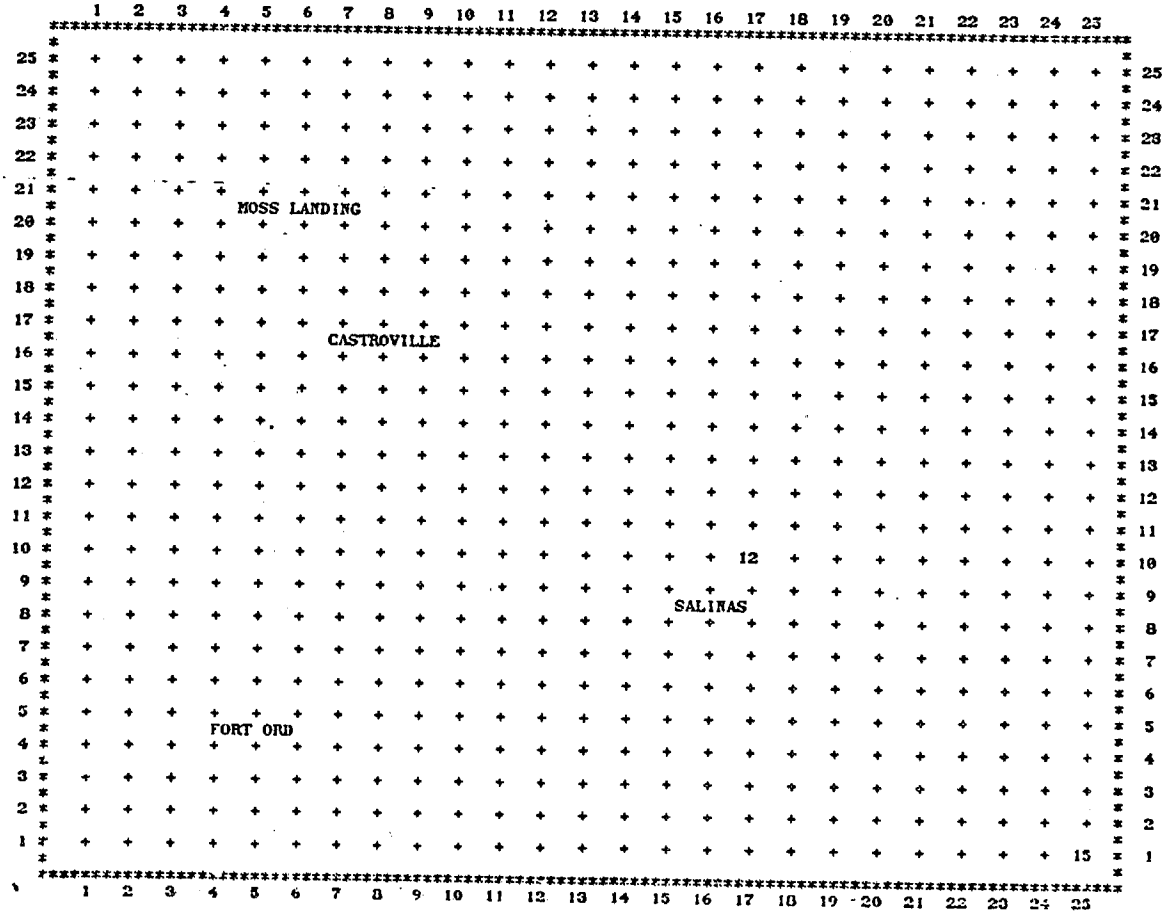
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 AVERAGED BETWEEN THE HOURS OF 1000. AND 1100. PST



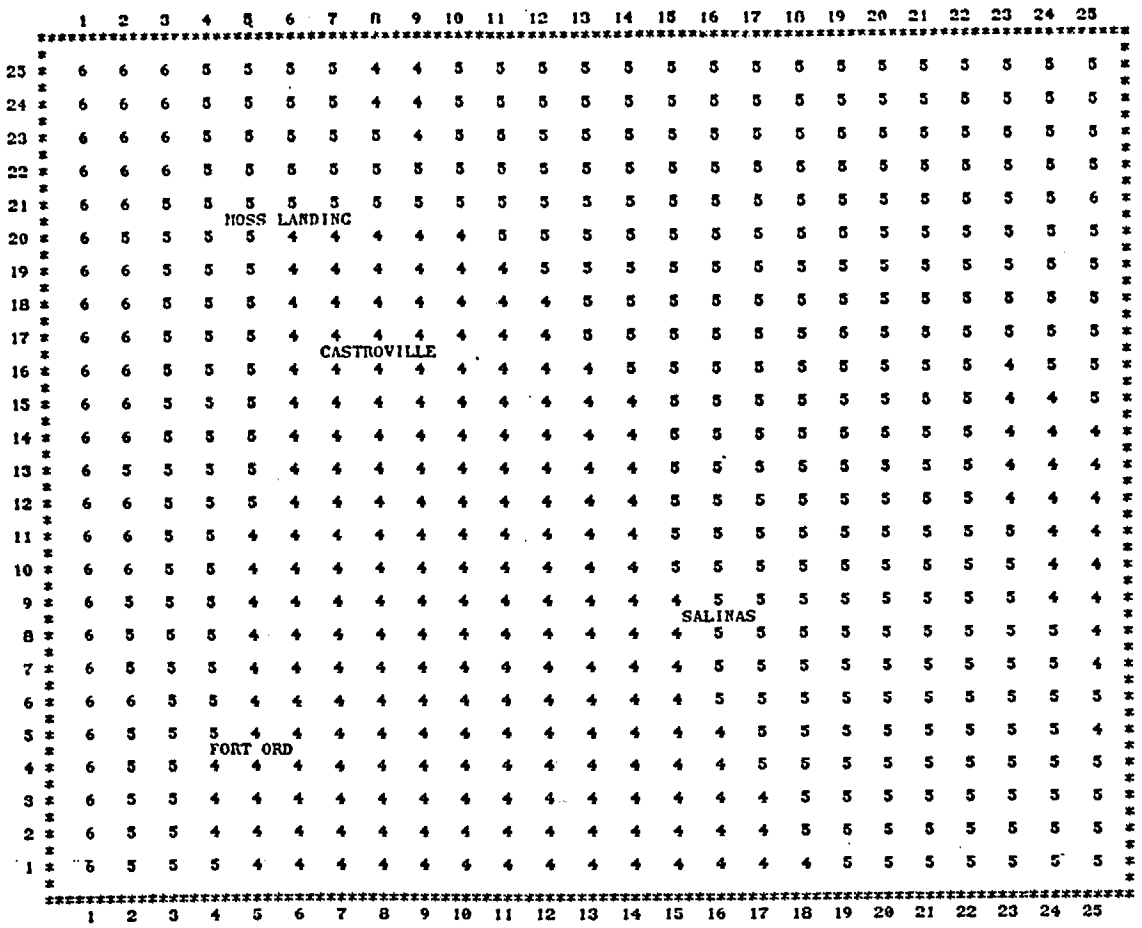
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 BETWEEN THE HOURS OF 1100. AND 1200. PST



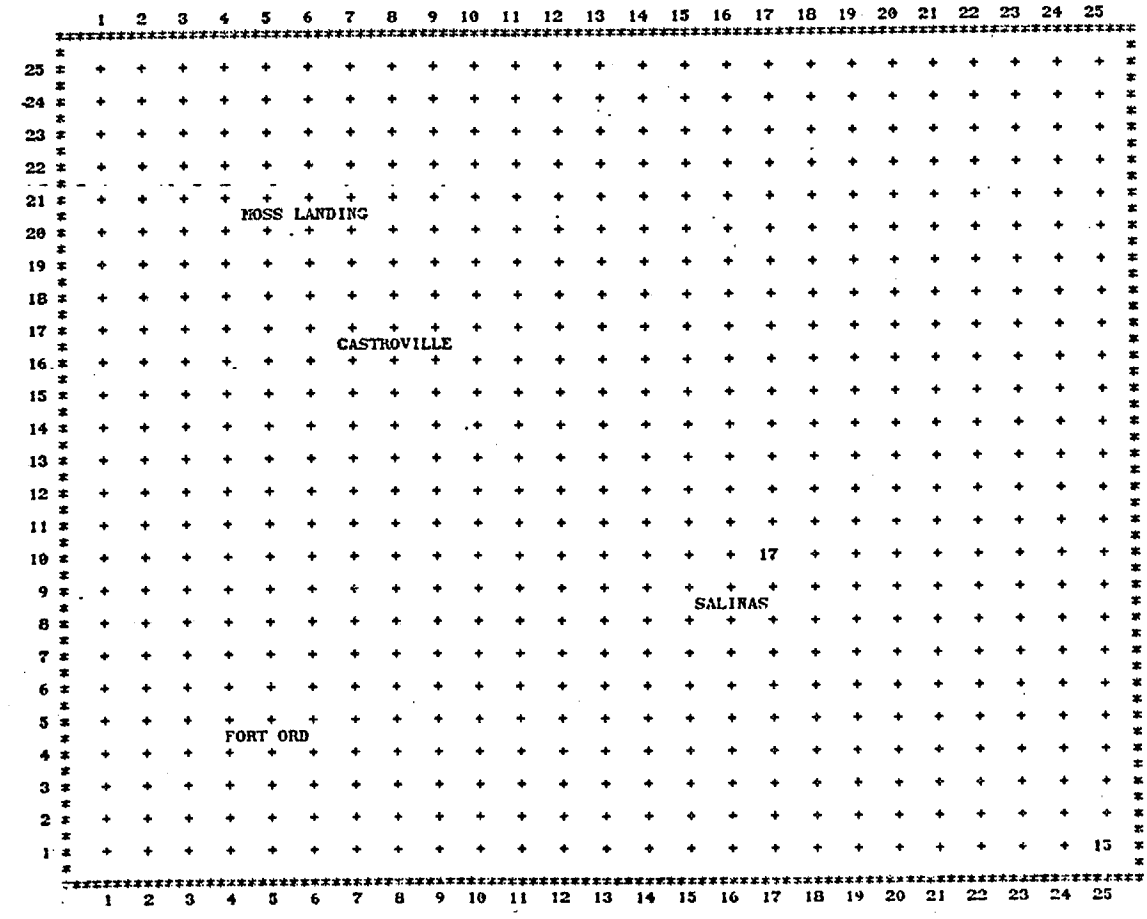
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 AVERAGED BETWEEN THE HOURS OF 1100. AND 1200. PST



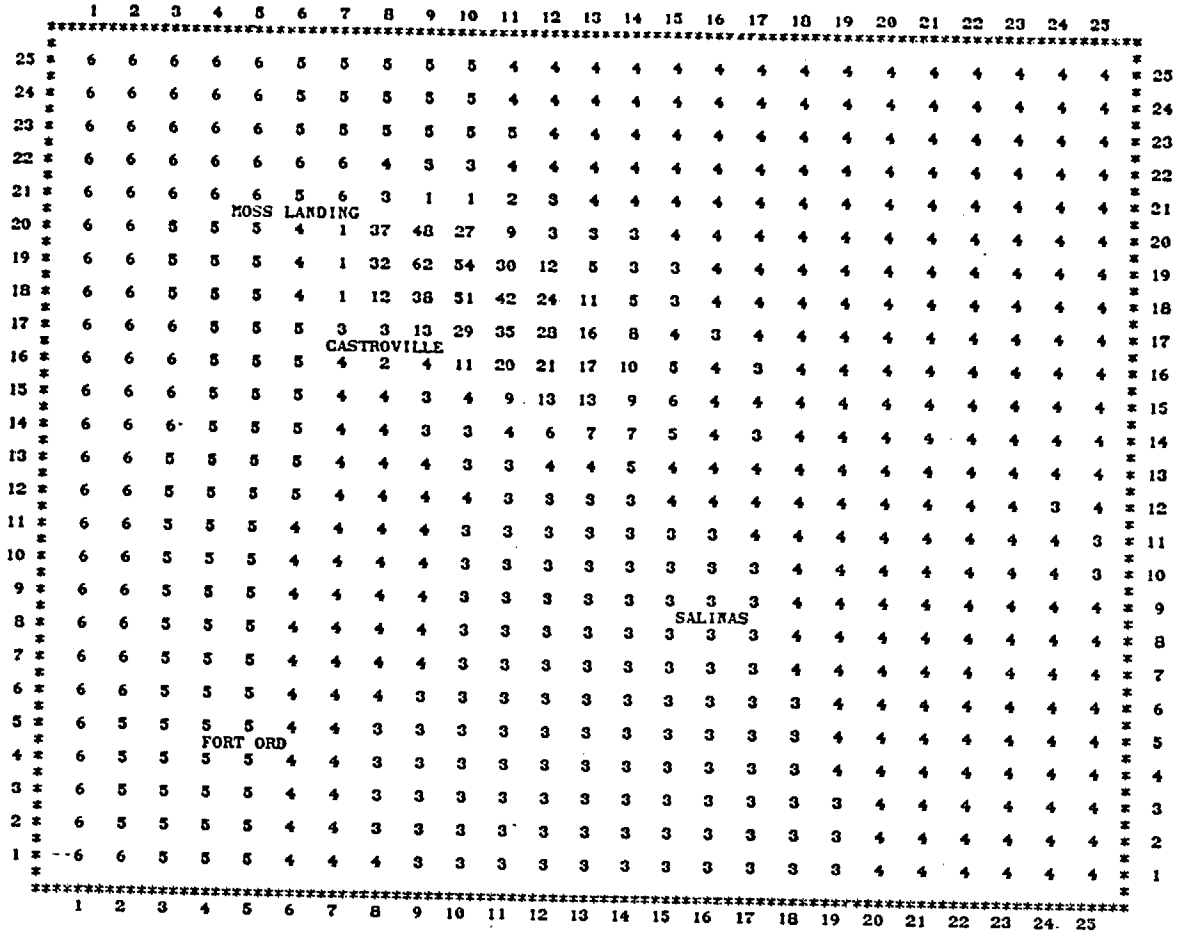
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 BETWEEN THE HOURS OF 1200. AND 1300. PST



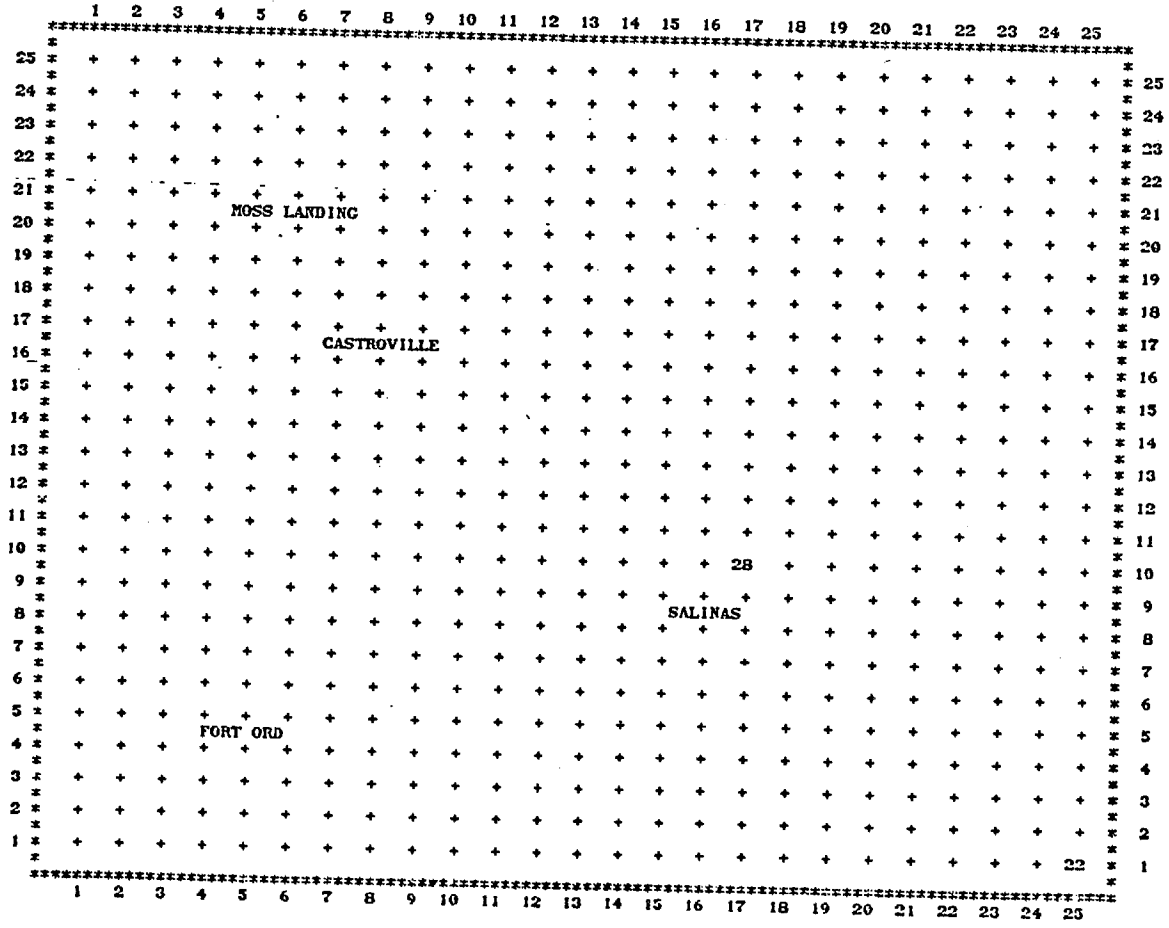
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 AVERAGED BETWEEN THE HOURS OF 1200. AND 1300. PST



PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 BETWEEN THE HOURS OF 1300. AND 1400. PST



MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 AVERAGED BETWEEN THE HOURS OF 1300. AND 1400. PST



PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 BETWEEN THE HOURS OF 1400. AND 1500. PST

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
25	6	6	6	6	6	6	5	5	5	5	5	5	4	4	4	4	4	4	3	3	3	3	3	3	3	25
24	6	6	6	6	6	6	5	5	5	5	5	5	5	4	4	4	4	4	3	3	3	3	3	3	3	24
23	6	6	6	6	6	6	5	5	5	3	5	5	5	4	4	4	4	4	3	3	3	3	3	3	3	23
22	6	6	6	6	6	6	6	5	5	5	5	5	5	4	4	4	4	4	3	3	3	3	3	3	3	22
21	6	6	6	6	6	6	7	2	0	2	4	5	5	5	4	4	4	4	3	3	3	3	3	3	4	21
					MOSS LANDING																					
20	6	6	6	6	6	5	3	31	28	8	2	3	5	5	4	4	4	4	3	3	3	3	3	3	3	20
19	6	6	6	6	6	4	0	45	65	35	10	3	4	4	4	4	4	4	3	3	3	3	3	3	3	19
18	6	6	6	5	6	4	0	33	74	66	30	9	4	4	4	4	4	4	3	3	3	3	3	3	3	18
17	6	6	6	5	6	5	0	14	54	74	57	25	9	5	4	4	4	4	3	3	3	3	3	3	3	17
								CASTROVILLE																		
16	6	6	6	6	5	5	2	4	29	62	65	41	19	9	5	3	3	4	3	3	3	3	3	3	3	16
15	6	6	6	6	5	5	4	1	12	40	60	54	32	15	7	4	3	3	3	3	3	3	3	3	3	15
14	6	6	6	6	5	5	5	2	3	21	46	55	43	24	12	6	3	3	3	3	3	3	3	3	3	14
13	6	6	6	6	5	5	5	3	1	9	30	47	46	32	18	8	4	3	3	3	3	3	3	3	3	13
12	6	6	6	5	5	5	5	4	2	3	16	34	44	37	24	12	6	3	3	3	3	3	3	3	3	12
11	6	6	6	5	5	5	5	5	3	2	7	23	37	37	28	17	8	4	3	3	3	3	3	3	3	11
10	6	6	6	5	5	5	5	5	4	2	3	12	27	34	31	21	11	5	3	3	3	3	3	3	3	10
9	6	6	6	6	5	5	5	5	5	3	2	6	17	28	29	23	14	7	4	3	3	3	3	3	3	9
																SALINAS										
8	6	6	6	6	5	5	5	4	4	4	2	3	10	20	25	23	17	10	5	3	3	3	3	3	3	8
7	6	6	6	6	5	5	5	4	4	4	3	2	5	12	20	22	19	12	7	4	3	3	3	3	3	7
6	6	6	6	6	5	5	5	4	4	4	4	2	3	7	14	18	18	13	8	5	3	3	3	3	3	6
5	6	6	6	6	5	5	5	4	4	4	4	3	3	4	9	13	15	13	9	6	3	3	3	3	3	5
				FORT ORD																						
4	6	6	6	6	5	5	5	4	4	4	4	3	3	3	5	9	12	12	10	7	4	3	3	3	3	4
3	6	6	6	6	5	5	5	4	4	4	4	3	3	3	4	6	9	10	9	7	5	3	3	3	3	3
2	6	6	6	6	5	5	5	4	4	4	4	4	3	3	3	4	6	7	8	7	5	4	3	3	3	2
1	6	6	6	6	5	5	5	4	4	4	4	3	3	3	3	3	4	5	6	6	5	4	3	3	3	1
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	

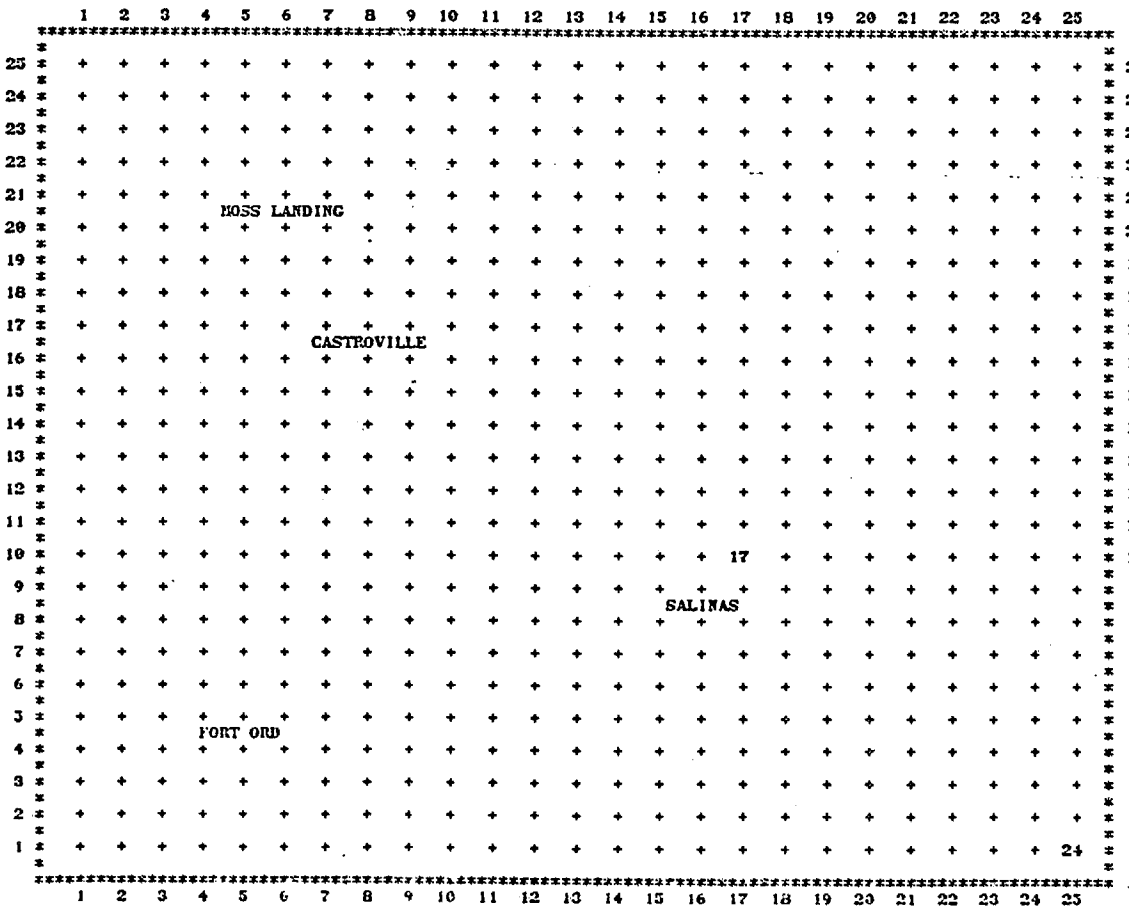
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 AVERAGED BETWEEN THE HOURS OF 1400. AND 1500. PST

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
25	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25
24	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	24
23	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	23
22	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	22
21	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
					MOSS LANDING																					
20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20
19	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
18	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	18
17	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	17
								CASTROVILLE																		
16	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	16
15	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
14	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	14
13	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	13
12	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12
11	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	11
10	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	27	+	+	+	+	+	+	+	+	10
9	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	9
																SALINAS										
8	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	8
7	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	7
6	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	6
5	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	5
				FORT ORD																						
4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4
3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3
2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2
1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	26	1
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	

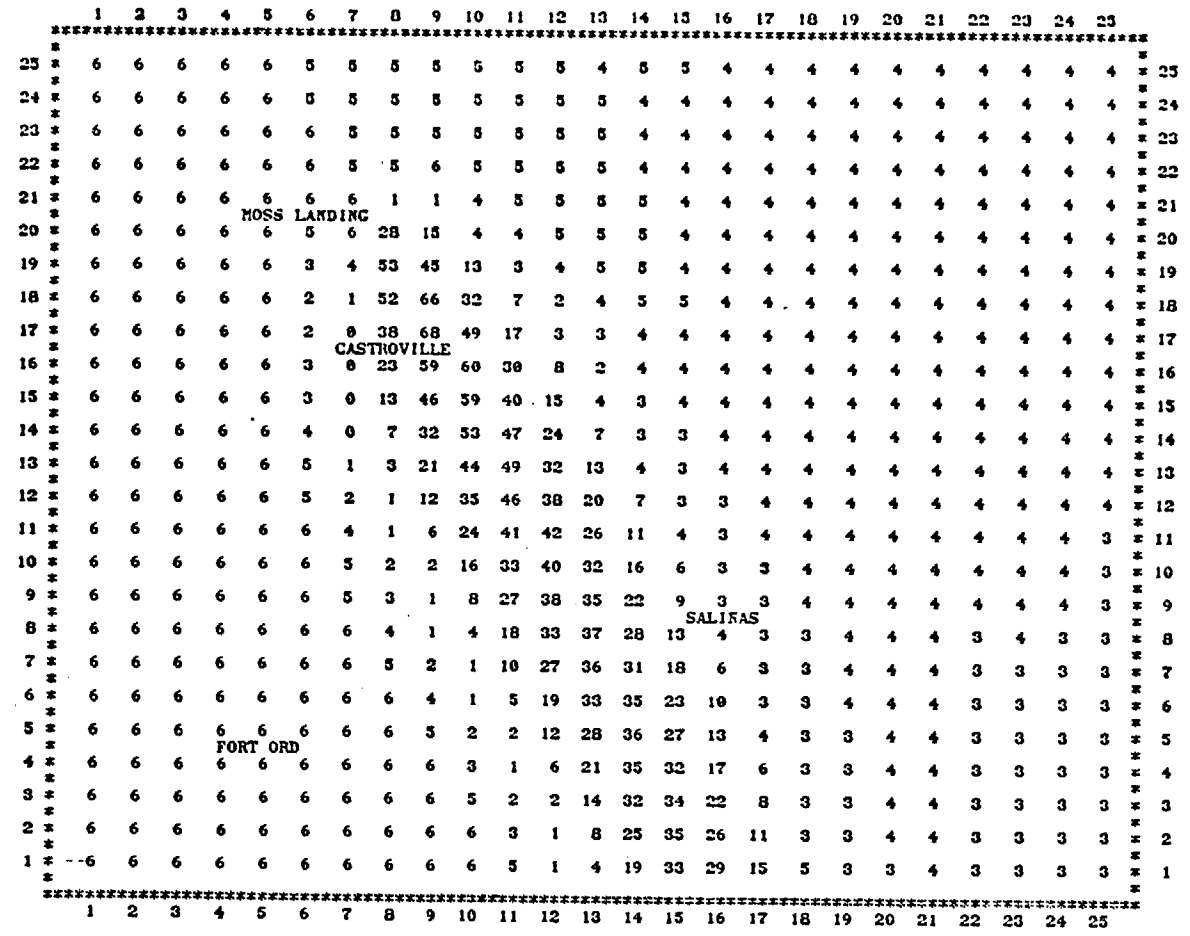
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 BETWEEN THE HOURS OF 1500. AND 1600. PST

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
25	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	3	3	3	25
24	6	6	6	6	6	6	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	3	3	3	24
23	6	6	6	6	6	6	6	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	3	3	3	23
22	6	6	6	6	6	6	5	6	6	6	5	5	5	5	4	4	4	4	4	4	4	4	3	3	3	22
21	6	6	6	6	6	6	6	2	1	4	6	5	5	5	4	4	4	4	4	4	4	4	3	3	3	21
					MOSS LANDING																					
20	6	6	6	6	6	5	5	24	13	4	4	5	5	5	4	4	4	4	4	4	4	4	3	3	3	20
19	6	6	6	6	6	4	3	46	41	13	3	4	5	5	4	4	4	4	4	4	4	4	3	3	3	19
18	6	6	6	6	6	3	0	46	63	32	7	3	4	5	5	4	4	4	4	4	4	4	3	3	3	18
17	6	6	6	6	6	4	0	33	65	52	20	4	3	5	5	4	4	4	4	4	4	4	3	3	3	17
								CASTROVILLE																		
16	6	6	6	6	6	4	0	19	55	63	36	10	3	4	5	4	4	4	4	4	4	4	3	3	3	16
15	6	6	6	6	6	5	1	9	41	61	49	22	6	3	4	5	4	4	4	4	3	3	3	3	3	15
14	6	6	6	6	6	5	2	4	25	52	55	35	12	3	3	4	4	4	4	4	3	3	3	3	3	14
13	6	6	6	6	6	6	3	1	14	39	55	45	22	6	2	3	4	4	4	4	4	3	3	3	3	13
12	6	6	6	6	6	6	4	1	7	27	48	50	33	13	4	3	4	4	4	4	3	3	3	3	3	12
11	6	6	6	6	6	6	5	2	3	16	38	53	42	21	7	2	3	4	4	4	3	3	3	3	3	11
10	6	6	6	6	6	6	6	4	1	8	26	45	48	32	14	4	2	3	4	4	3	3	3	3	3	10
9	6	6	6	6	6	6	6	5	2	3	16	37	48	40	21	7	2	3	4	3	3	3	3	3	3	9
																SALINAS										
8	6	6	6	6	6	6	6	5	4	1	7	25	43	46	30	11	3	2	3	4	3	3	3	3	3	8
7	6	6	6	6	6	6	6	6	5	2	3	16	34	45	37	18	6	3	3	3	3	3	3	3	3	7
6	6	6	6	6	6	6	6	6	5	3	1	7	24	42	41	25	10	4	3	3	3	3	3	3	3	6
5	6	6	6	6	6	6	6	6	5	2	3	15	35	42	31	14	5	3	3	3	3	3	3	3	3	5
				FORT ORD																						
4	6	6	6	6	6	6	6	6	5	3	1	8	27	40	35	19	8	4	3	3	3	3	3	3	3	4
3	6	6	6	6	6	6	6	6	6	4	1	3	18	36	37	24	11	5	4	3	3	3	3	3	3	3
2	6	6	6	6	6	6	6	6	5	6	5	3	1	11	29	37	27	14	7	5	4	3	3	3	3	2
1	6	6	6	6	6	6	6	6	5	5	5	4	1	6	22	34	29	18	9	6	4	3	3	3	3	1
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	

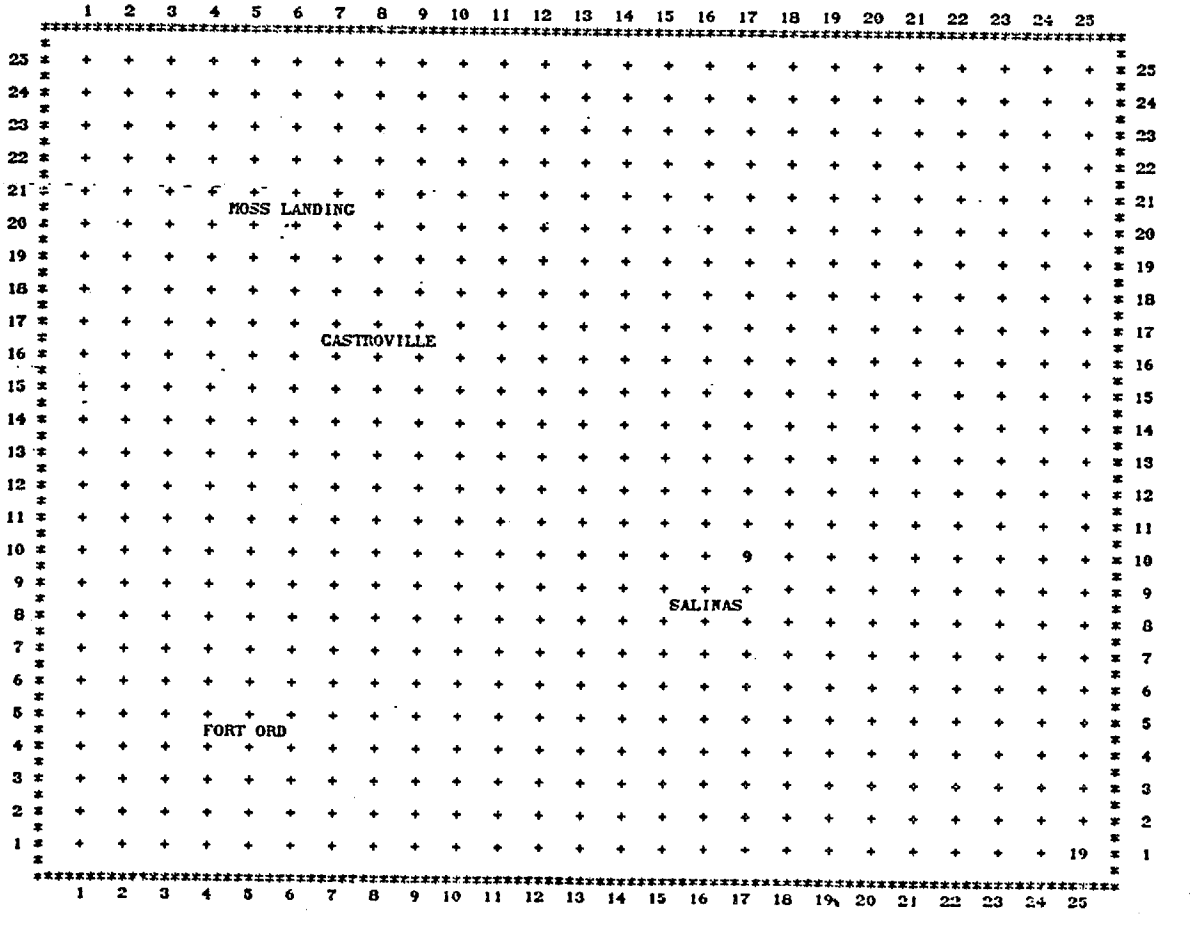
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 AVERAGED BETWEEN THE HOURS OF 1500. AND 1600. PST



PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 BETWEEN THE HOURS OF 1600. AND 1700. PST



MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 AVERAGED BETWEEN THE HOURS OF 1600. AND 1700. PST



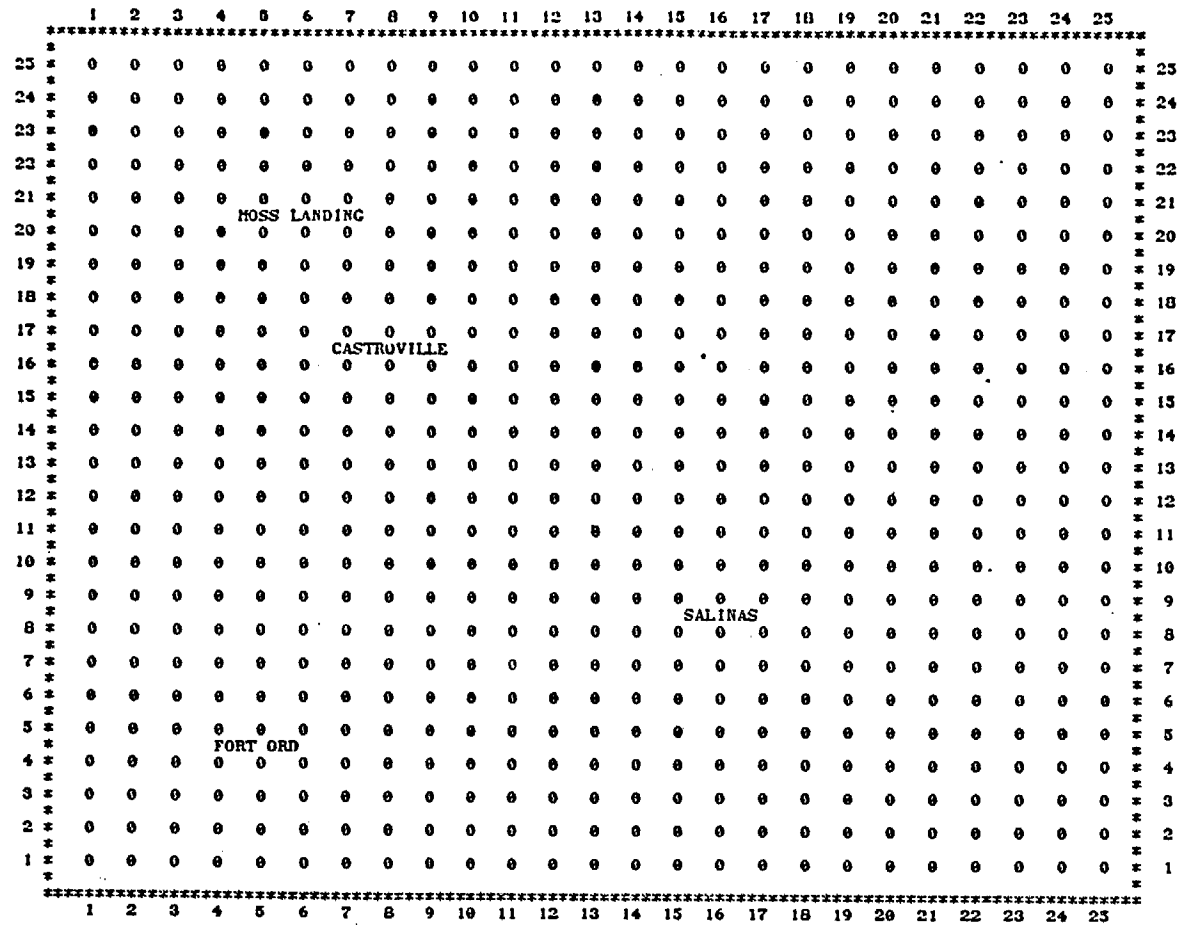
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 BETWEEN THE HOURS OF 1700. AND 1800. PST

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
25	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	25
24	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	24
23	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	23
22	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	22
21	6	6	6	6	6	6	6	5	3	4	4	5	5	5	5	5	4	4	4	4	4	4	4	4	4	21
					MOSS LANDING																					
20	6	6	6	6	6	6	5	10	10	6	4	4	5	5	5	5	4	4	4	4	4	4	4	4	4	20
19	6	6	6	6	6	5	4	14	21	15	7	4	4	4	5	5	4	4	4	4	4	4	4	4	4	19
18	6	6	6	6	6	5	3	15	30	28	16	7	4	4	4	4	4	4	4	4	4	4	4	4	4	18
17	6	6	6	6	6	4	2	12	32	38	28	13	5	4	4	4	4	4	4	4	4	4	4	4	4	17
							CASTROVILLE																			
16	6	6	6	6	6	4	2	8	29	45	39	21	9	4	4	4	4	4	4	4	4	4	4	4	4	16
15	6	6	6	6	6	5	2	5	25	45	46	30	13	5	3	4	4	4	4	4	4	4	4	4	4	15
14	6	6	6	6	6	5	2	3	18	41	50	39	19	7	3	3	4	4	4	4	4	4	4	4	4	14
13	6	6	6	6	6	5	2	2	14	36	50	44	26	10	4	3	4	4	4	4	4	4	4	4	4	13
12	6	6	6	6	6	5	3	1	9	31	48	47	31	14	5	3	3	4	4	4	4	4	4	4	4	12
11	6	6	6	6	6	6	3	1	6	24	45	50	36	17	6	3	3	4	4	4	4	4	4	4	4	11
10	6	6	6	6	6	6	4	1	4	20	40	48	38	21	8	3	3	4	4	4	4	4	4	4	4	10
9	6	6	6	6	6	6	4	1	3	15	36	47	40	24	9	3	3	3	4	4	4	4	4	4	4	9
															SALINAS											
8	6	6	6	6	6	6	5	2	2	12	30	43	40	26	11	4	3	3	4	4	4	4	4	4	4	8
7	6	6	6	6	6	6	5	3	1	8	25	41	40	27	13	4	3	3	4	4	4	4	4	4	4	7
6	6	6	6	6	6	6	5	3	2	6	21	37	39	28	14	5	3	3	4	4	4	4	4	4	4	6
5	6	6	6	6	6	6	6	4	2	5	17	32	37	28	15	6	3	3	4	4	4	4	4	4	3	5
				FORT ORD																						
4	6	6	6	6	6	6	6	4	2	4	14	28	34	28	16	7	3	3	4	4	4	4	4	4	3	4
3	6	6	6	6	6	6	6	5	3	4	12	24	32	28	17	8	3	3	3	4	4	4	3	3	3	3
2	6	6	6	6	6	6	6	5	4	3	9	22	29	27	18	9	4	3	3	4	4	4	3	3	3	2
1	6	6	6	6	6	6	6	5	4	3	7	17	26	27	20	11	4	3	3	4	4	3	3	3	3	1
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	

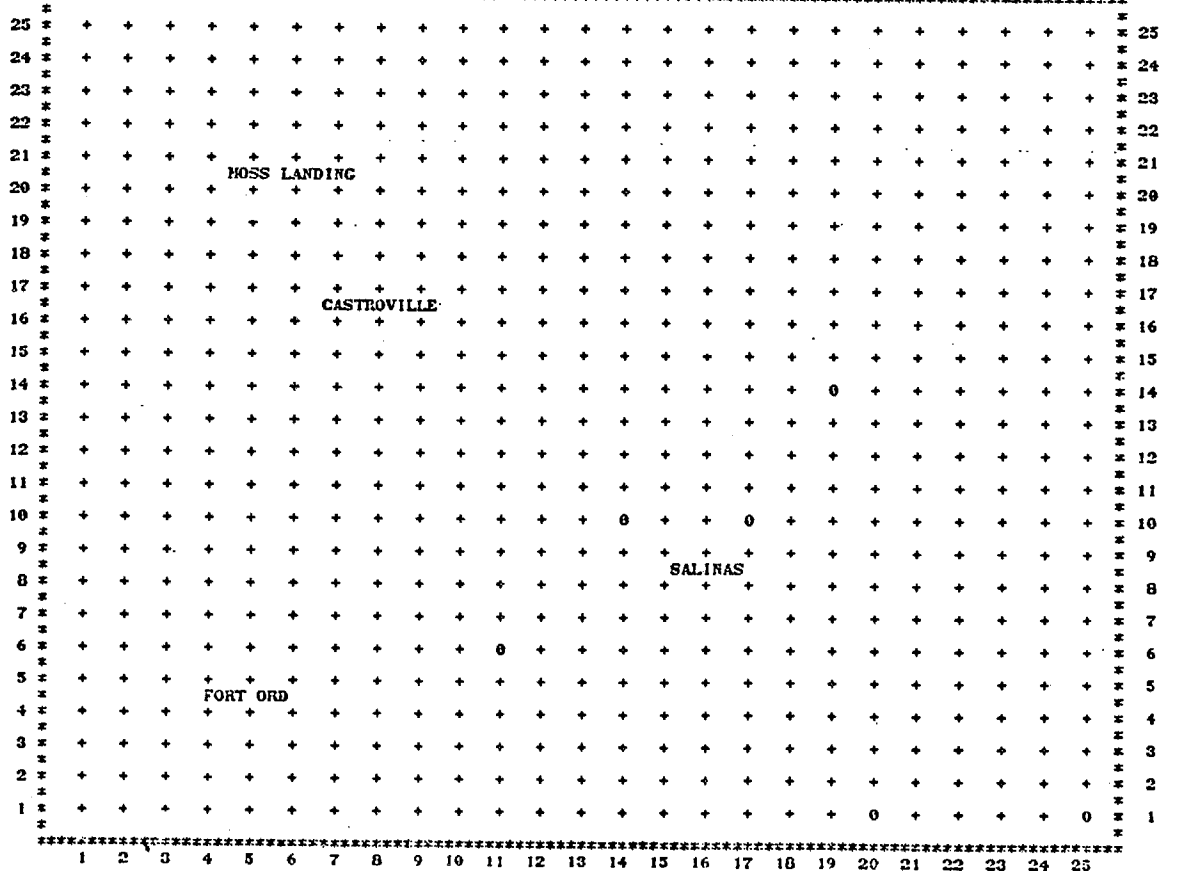
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO2 ON 740911 AVERAGED BETWEEN THE HOURS OF 1700. AND 1800. PST

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
25	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	25
24	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	24
23	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	23
22	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	22
21	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
					MOSS LANDING																					
20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20
19	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
18	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	18
17	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	17
							CASTROVILLE																			
16	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	16
15	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
14	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	14
13	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	13
12	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12
11	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	11
10	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	7	+	+	+	+	+	+	+	+	10
9	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	9
																SALINAS										
8	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	8
7	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	7
6	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	6
5	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	5
				FORT ORD																						
4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4
3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3
2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2
1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	1
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	

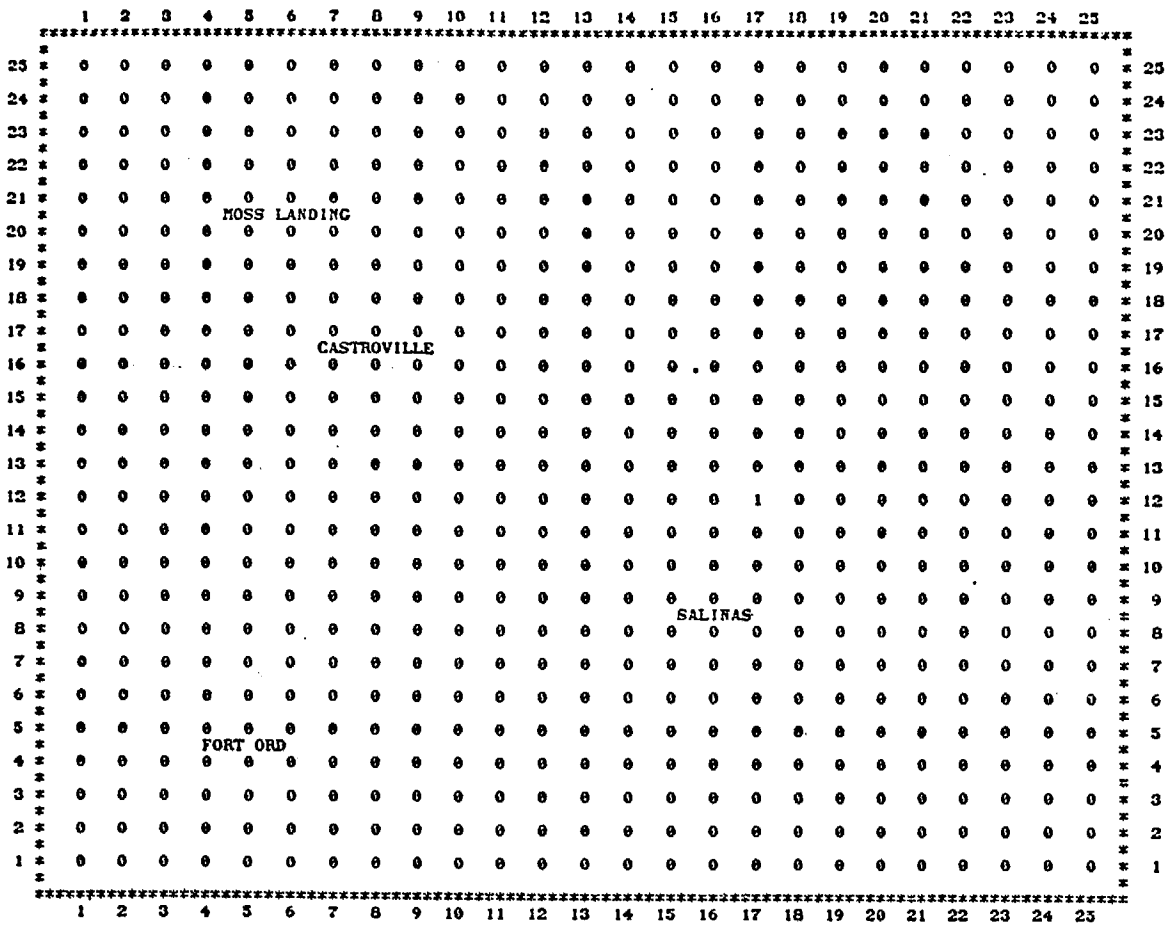
PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 740911 BETWEEN THE HOURS OF 900. AND 1000. PST



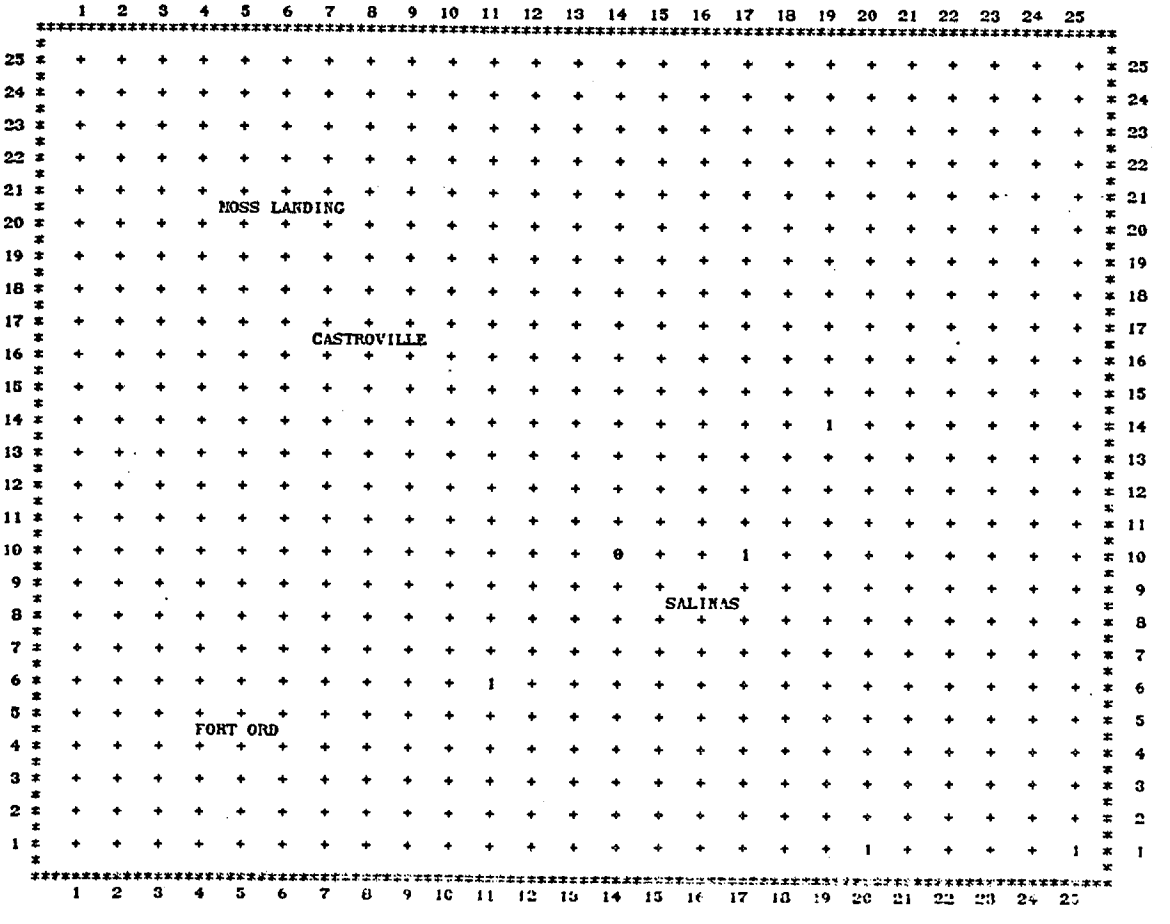
MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 740911 AVERAGED BETWEEN THE HOURS OF 900. AND 1000. PST



PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 740911 BETWEEN THE HOURS OF 1100. AND 1200. PST



MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 740911 AVERAGED BETWEEN THE HOURS OF 1100. AND 1200. PST



PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 740911 BETWEEN THE HOURS OF 1300. AND 1400. PST

```
    1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
 25 * 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0 * 25
 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 * 24
 23 * 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0 * 23
 22 * 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0 * 22
 21 * 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1 * 21
                   MOSS LANDING
 20 * 0  0  0  0  0  0  0  1  2  1  0  0  0  0  0  0  0  0  0  0  0  0  0  0 * 20
 19 * 0  0  0  0  0  0  0  1  2  2  1  1  0  0  0  0  0  0  0  0  0  0  0  0 * 19
 18 * 0  0  0  0  0  0  0  0  2  2  2  1  1  0  0  0  0  0  0  0  0  0  0  0 * 18
 17 * 0  0  0  0  0  0  0  0  1  1  2  1  1  1  0  0  0  0  0  0  0  0  0  0 * 17
                         CASTROVILLE
 16 * 0  0  0  0  0  0  0  0  0  1  1  1  1  1  0  0  0  0  0  0  0  0  0  0 * 16
 15 * 0  0  0  0  0  0  0  0  0  0  0  1  1  1  0  0  0  0  0  0  0  0  0  0 * 15
 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 * 14
 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 * 13
 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 * 12
 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 * 11
 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 * 10
  9 * 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0 * 9
                                        SALINAS
  8 * 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0 * 8
  7 * 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0 * 7
  6 * 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0 * 6
  5 * 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0 * 5
              FORT ORD
  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 * 4
  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
  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
  1 * 0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0 * 1
    1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
```

MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 740911 AVERAGED BETWEEN THE HOURS OF 1300. AND 1400. PST

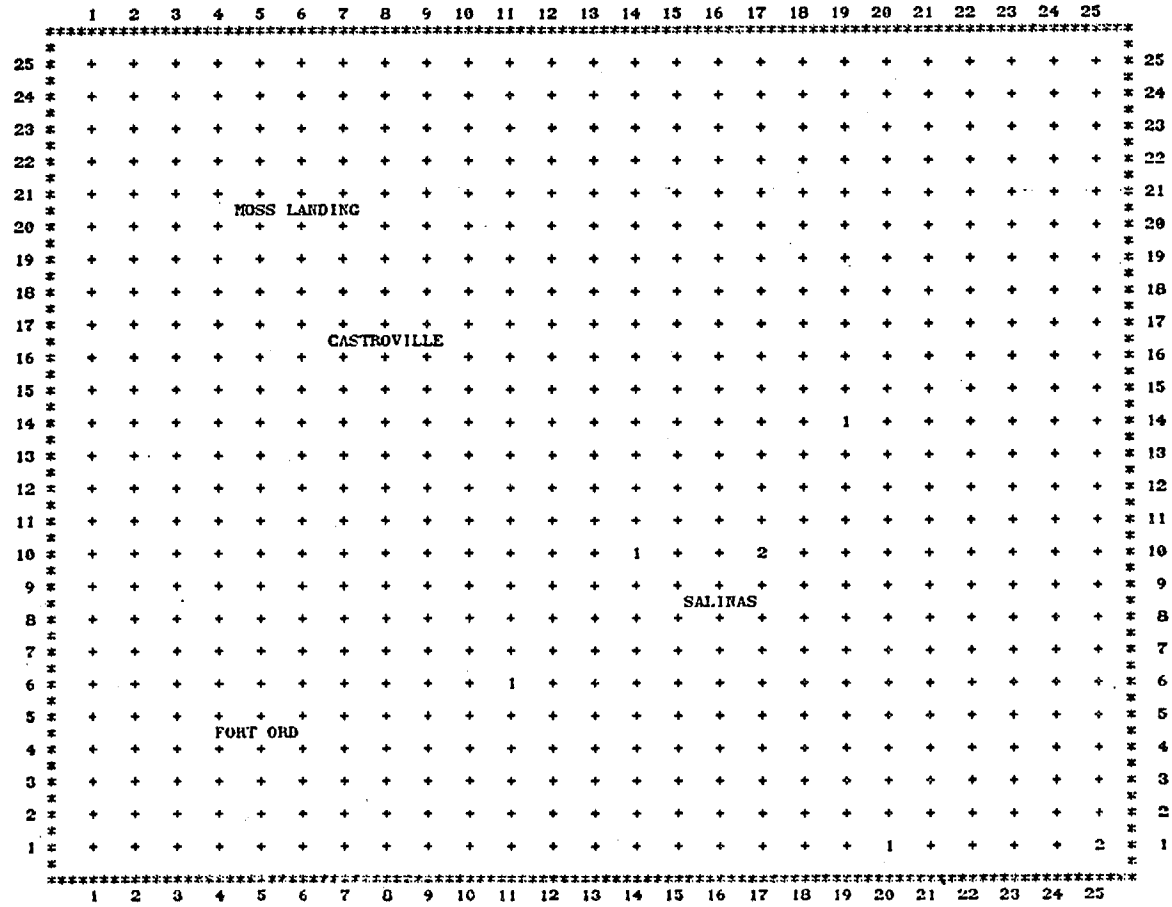
```
    1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
 25 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 25
 24 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 24
 23 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 23
 22 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 22
 21 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 21
                   MOSS LANDING
 20 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 20
 19 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 19
 18 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 18
 17 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 17
                         CASTROVILLE
 16 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 16
 15 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 15
 14 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  1  +  +  +  +  + * 14
 13 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 13
 12 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 12
 11 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 11
 10 * +  +  +  +  +  +  +  +  +  +  +  +  +  1  +  +  1  +  +  +  +  +  +  + * 10
  9 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 9
                                        SALINAS
  8 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 8
  7 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 7
  6 * +  +  +  +  +  +  +  +  +  +  +  1  +  +  +  +  +  +  +  +  +  +  +  + * 6
  5 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 5
              FORT ORD
  4 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 4
  3 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 3
  2 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  + * 2
  1 * +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  1  +  +  +  1 * 1
    1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
```

PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 740911 BETWEEN THE HOURS OF 1500. AND 1600. PST

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
25	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	25
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
23	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	23
22	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	22
21	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	21
20	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
19	0	0	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
18	0	0	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
17	0	0	0	0	0	0	0	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
16	0	0	0	0	0	0	0	1	2	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	16
15	0	0	0	0	0	0	0	0	2	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	15
14	0	0	0	0	0	0	0	0	1	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	14
13	0	0	0	0	0	0	0	0	1	2	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	13
12	0	0	0	0	0	0	0	0	0	1	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	12
11	0	0	0	0	0	0	0	0	0	1	2	3	3	1	0	0	0	0	0	0	0	0	0	0	0	11
10	0	0	0	0	0	0	0	0	0	0	2	3	3	2	1	0	0	0	0	0	0	0	0	0	0	10
9	0	0	0	0	0	0	0	0	0	0	1	2	3	3	1	1	0	0	0	0	0	0	0	0	0	9
8	0	0	0	0	0	0	0	0	0	0	0	2	3	3	2	1	0	0	0	0	0	0	0	0	0	8
7	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	1	0	0	0	0	0	0	0	0	0	7
6	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	2	1	0	0	0	0	0	0	0	0	6
5	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	2	1	0	0	0	0	0	0	0	0	5
4	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	2	1	0	0	0	0	0	0	0	4
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	2	1	0	0	0	0	0	0	0	3
2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	2	1	1	0	0	0	0	0	0	2
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	2	1	1	0	0	0	0	0	1

MOSS LANDING
CASTROVILLE
SALINAS
FORT ORD

MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 740911 AVERAGED BETWEEN THE HOURS OF 1500. AND 1600. PST



PREDICTED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4= ON 740911 BETWEEN THE HOURS OF 1700. AND 1800. PST

```
      1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
   ********************************************************************************
25 *  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  * 25
24 *  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  * 24
23 *  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  * 23
22 *  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  * 22
21 *  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  1  * 21
20 *  0  0  0  0  0  0  0  1  1  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  * 20
19 *  0  0  0  0  0  0  0  1  1  1  0  0  0  0  0  0  0  0  0  0  0  0  1  1  * 19
18 *  0  0  0  0  0  0  0  1  1  1  1  0  0  0  0  0  0  0  0  0  0  0  1  1  * 18
17 *  0  0  0  0  0  0  0  1  2  2  1  1  0  0  0  0  0  0  0  0  0  0  0  1  * 17
16 *  0  0  0  0  0  0  0  0  2  2  2  1  1  0  0  0  0  0  0  0  0  0  1  1  * 16
15 *  0  0  0  0  0  0  0  0  1  2  3  2  1  0  0  0  0  0  0  0  0  0  1  1  * 15
14 *  0  0  0  0  0  0  0  0  1  2  3  2  1  1  0  0  0  0  0  0  0  0  0  0  * 14
13 *  0  0  0  0  0  0  0  0  1  2  3  3  2  1  0  0  0  0  0  0  0  0  0  0  * 13
12 *  0  0  0  0  0  0  0  0  1  2  3  3  2  1  0  0  0  0  0  0  0  0  0  0  * 12
11 *  0  0  0  0  0  0  0  0  0  2  3  3  2  1  1  0  0  0  0  0  0  0  0  0  * 11
10 *  0  0  0  0  0  0  0  0  0  1  3  3  3  1  1  0  0  0  0  0  0  0  0  0  * 10
 9 *  0  0  0  0  0  0  0  0  0  1  3  3  3  2  1  0  0  0  0  0  0  0  0  0  *  9
 8 *  0  0  0  0  0  0  0  0  0  1  2  3  3  2  1  0  0  0  0  0  0  0  0  0  *  8
 7 *  0  0  0  0  0  0  0  0  0  1  2  3  3  2  1  0  0  0  0  0  0  0  0  0  *  7
 6 *  0  0  0  0  0  0  0  0  0  0  2  3  3  2  1  0  0  0  0  0  0  0  0  0  *  6
 5 *  0  0  0  0  0  0  0  0  0  0  1  3  3  2  1  1  0  0  0  0  0  0  0  0  *  5
 4 *  0  0  0  0  0  0  0  0  0  0  1  2  3  2  1  1  0  0  0  0  0  0  0  0  *  4
 3 *  0  0  0  0  0  0  0  0  0  0  1  2  3  2  1  1  0  0  0  0  0  0  0  0  *  3
 2 *  0  0  0  0  0  0  0  0  0  0  1  2  2  2  2  1  0  0  0  0  0  0  0  0  *  2
 1 *  0  0  0  0  0  0  0  0  0  0  1  1  2  2  2  1  0  0  0  0  0  0  0  0  *  1
   ********************************************************************************
      1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

            MOSS LANDING
            CASTROVILLE
                                  SALINAS
      FORT ORD
```

MEASURED GROUND LEVEL CONCENTRATIONS(PPB) OF SO4 ON 740911 AVERAGED BETWEEN THE HOURS OF 1700. AND 1800. PST

```
      1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
   ********************************************************************************
25 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  * 25
24 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  * 24
23 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  * 23
22 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  * 22
21 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  * 21
20 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  * 20
19 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  * 19
18 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  * 18
17 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  * 17
16 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  * 16
15 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  * 15
14 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  2  +  +  +  +  +  * 14
13 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  * 13
12 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  * 12
11 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  * 11
10 *  +  +  +  +  +  +  +  +  +  +  +  +  +  1  +  +  2  +  +  +  +  +  +  +  * 10
 9 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  *  9
 8 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  *  8
 7 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  *  7
 6 *  +  +  +  +  +  +  +  +  +  +  +  1  +  +  +  +  +  +  +  +  +  +  +  +  *  6
 5 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  *  5
 4 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  *  4
 3 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  *  3
 2 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  *  2
 1 *  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  +  2  +  +  +  0  *  1
   ********************************************************************************
      1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

            MOSS LANDING
            CASTROVILLE
                                  SALINAS
      FORT ORD
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