APPENDIX B

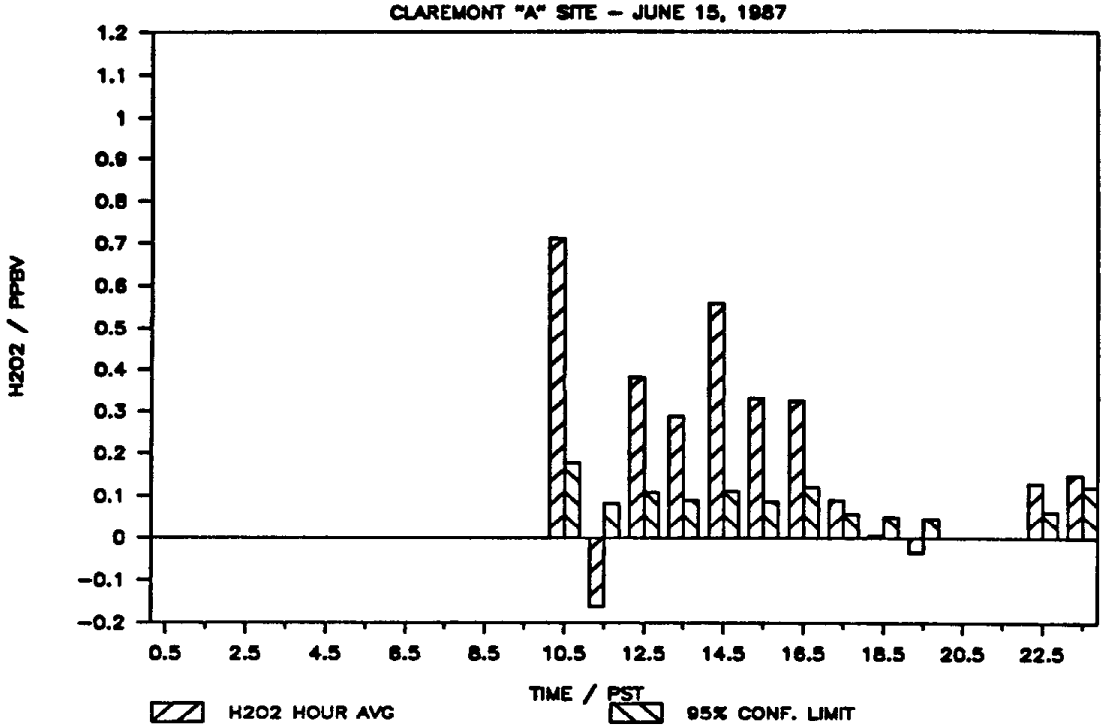
1 Hour average H_2O_2 and H_2CO mixing ratios for the entire study

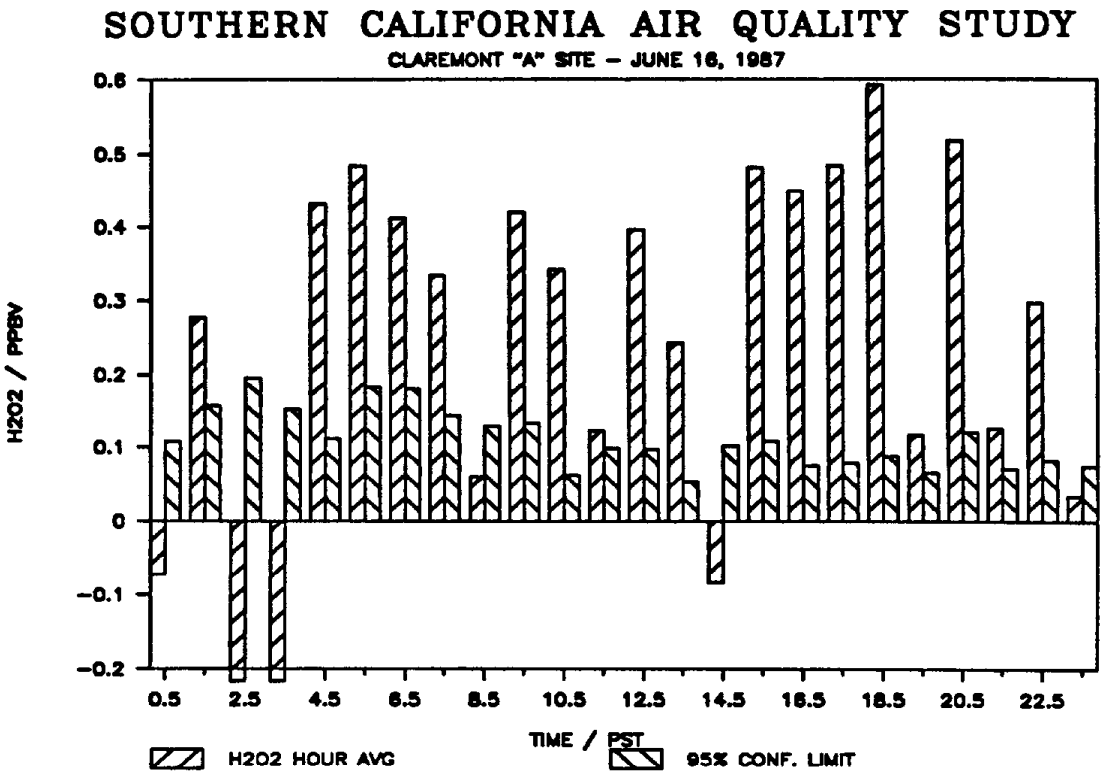
H_2O_2 mixing ratios are calculated from the slope of a least squares fit of a calibration spectrum to the average of the individual 1 minute ambient spectra acquired in each hour. The MDL values are calculated in the same manner from the 1 minute background spectra.

H_2CO values are obtained by simply averaging the calculated 1 minute data points over each hourly period. Since background spectra were only taken every ~8 hours these data are not shown here.

SOUTHERN CALIFORNIA AIR QUALITY STUDY

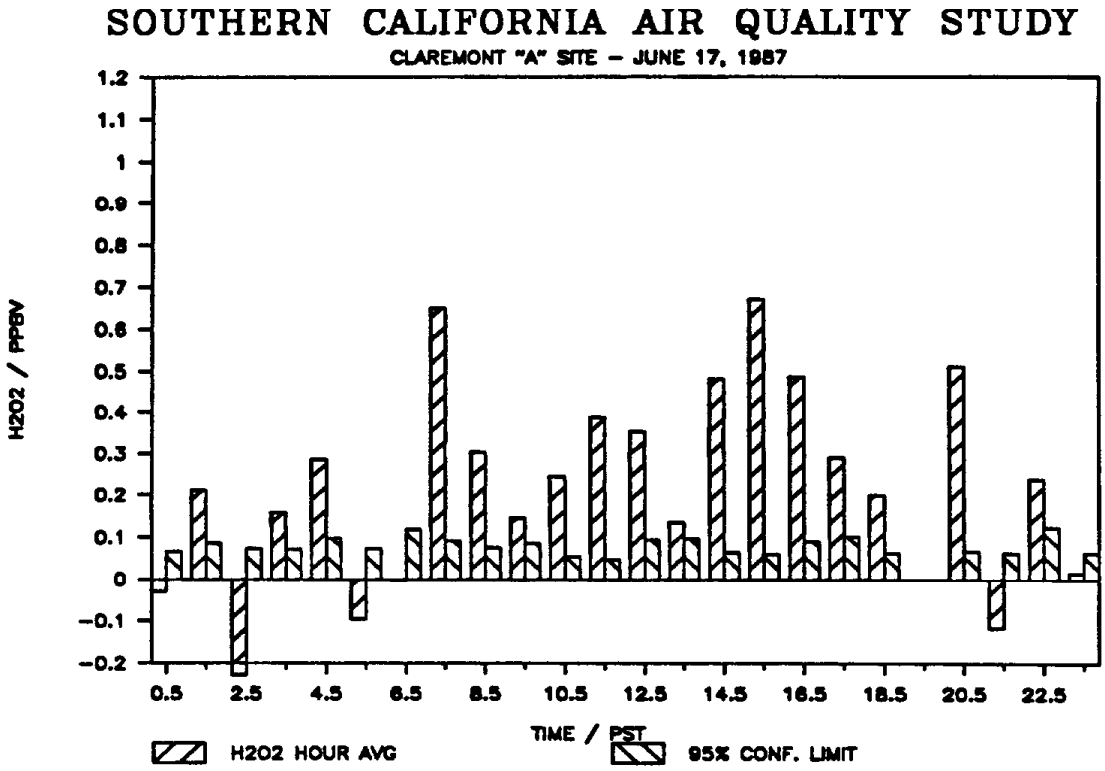
CLAREMONT "A" SITE – JUNE 15, 1987




SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 16, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

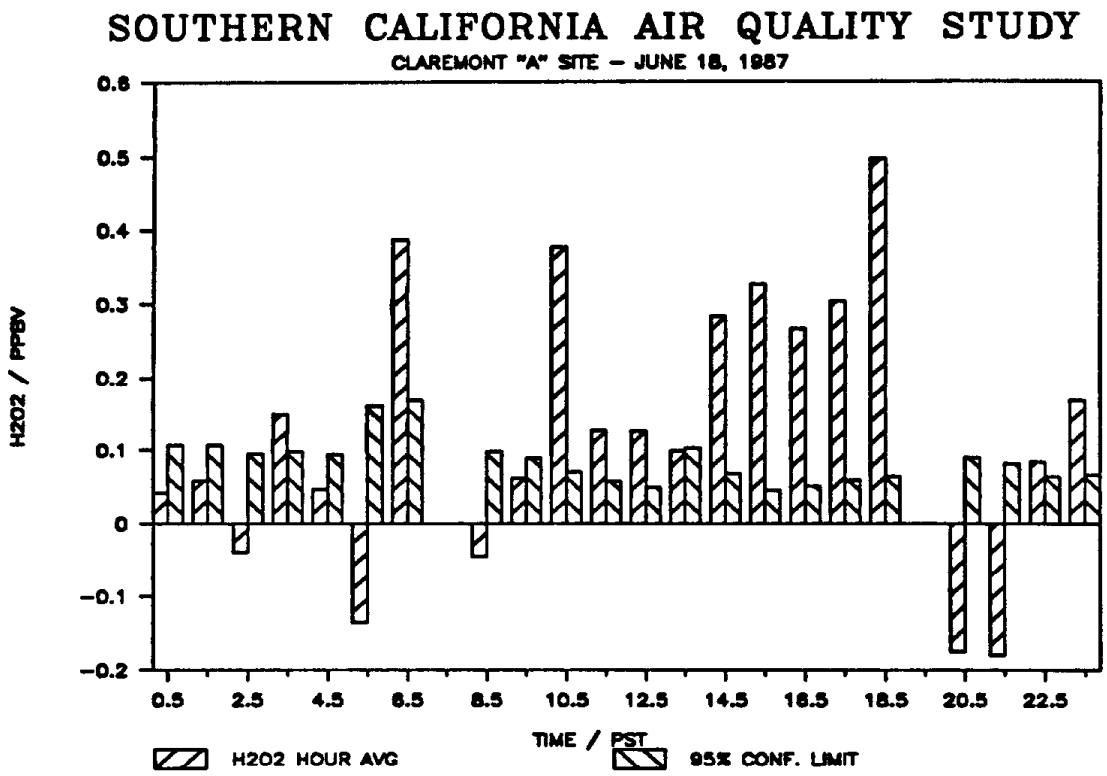
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 15, 1987
JULIAN DATE: 166

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5					
1.5					
2.5					
3.5					
4.5					
5.5					
6.5					
7.5					
8.5					
9.5					
10.5	0.712	0.177	0.679		
11.5	-0.161	0.083	-0.408		
12.5	0.382	0.109	0.629		
13.5	0.289	0.091	0.592		
14.5	0.559	0.112	0.754		
15.5	0.331	0.088	0.657		
16.5	0.326	0.121	0.528		
17.5	0.090	0.059	0.333		
18.5	0.006	0.051	0.026		
19.5	-0.034	0.047	-0.163		
20.5					CALIBRATION
21.5					20:07 TO 22:04
22.5	0.130	0.064	0.425		
23.5	0.150	0.121	0.276		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 17, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

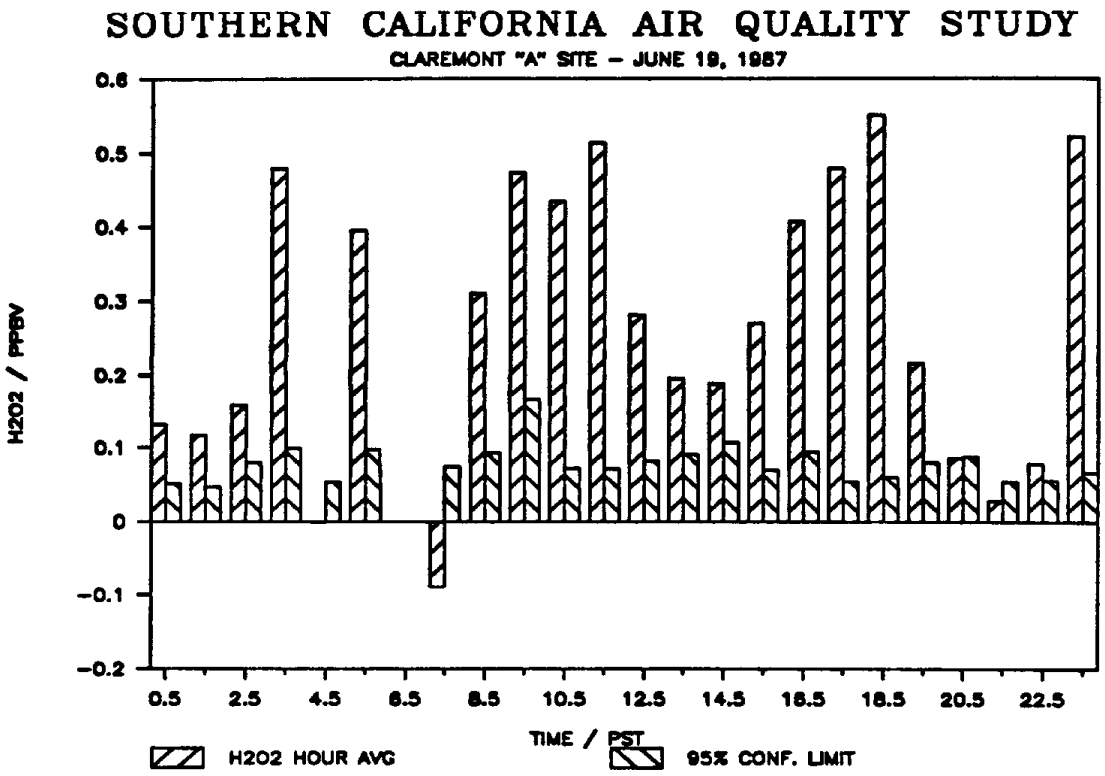
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 16, 1987
JULIAN DATE: 167

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.072	0.108	-0.151		
1.5	0.277	0.156	0.379		
2.5	-0.499	0.195	-0.507		
3.5	-0.243	0.151	-0.348		
4.5	0.431	0.112	0.663		
5.5	0.484	0.182	0.523		
6.5	0.412	0.180	0.466		CALIBRATION
7.5	0.334	0.143	0.474		06:28 TO 07:04
8.5	0.060	0.129	0.107		
9.5	0.420	0.133	0.590		
10.5	0.342	0.062	0.767		
11.5	0.122	0.099	0.275		
12.5	0.396	0.097	0.686		
13.5	0.243	0.053	0.726		
14.5	-0.084	0.102	-0.186		
15.5	0.481	0.109	0.714		
16.5	0.449	0.075	0.808		
17.5	0.484	0.080	0.814		
18.5	0.593	0.088	0.841		
19.5	0.117	0.065	0.382		
20.5	0.518	0.121	0.702		
21.5	0.126	0.071	0.376		
22.5	0.297	0.082	0.640		
23.5	0.034	0.075	0.103		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 18, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

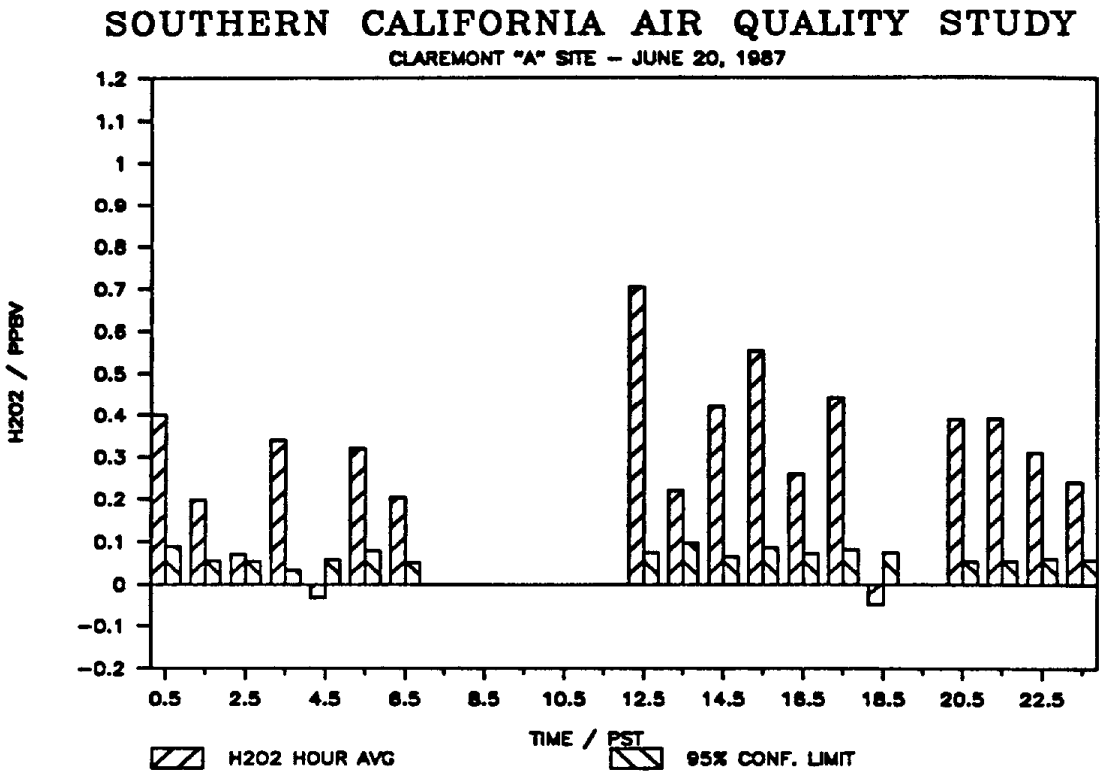
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 17, 1987
JULIAN DATE: 168

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.029	0.067	-0.099		
1.5	0.211	0.086	0.494		
2.5	-0.271	0.074	-0.645		
3.5	0.159	0.073	0.449		
4.5	0.286	0.097	0.560		
5.5	-0.095	0.074	-0.284		
6.5	-0.003	0.119	-0.006		CALIBRATION
7.5	0.651	0.092	0.852		06:30 TO 07:23
8.5	0.304	0.077	0.672		
9.5	0.146	0.086	0.362		
10.5	0.245	0.055	0.719		
11.5	0.388	0.048	0.883		
12.5	0.354	0.095	0.651		
13.5	0.136	0.097	0.309		
14.5	0.483	0.066	0.861		
15.5	0.673	0.061	0.931		
16.5	0.487	0.090	0.779		
17.5	0.290	0.102	0.550		
18.5	0.199	0.06.	0.583		
19.5					CALIBRATION
20.5	0.512	0.068	0.867		19:00 TO 20:04
21.5	-0.116	0.064	-0.382		
22.5	0.237	0.125	0.402		
23.5	0.015	0.064	0.055		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 19, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

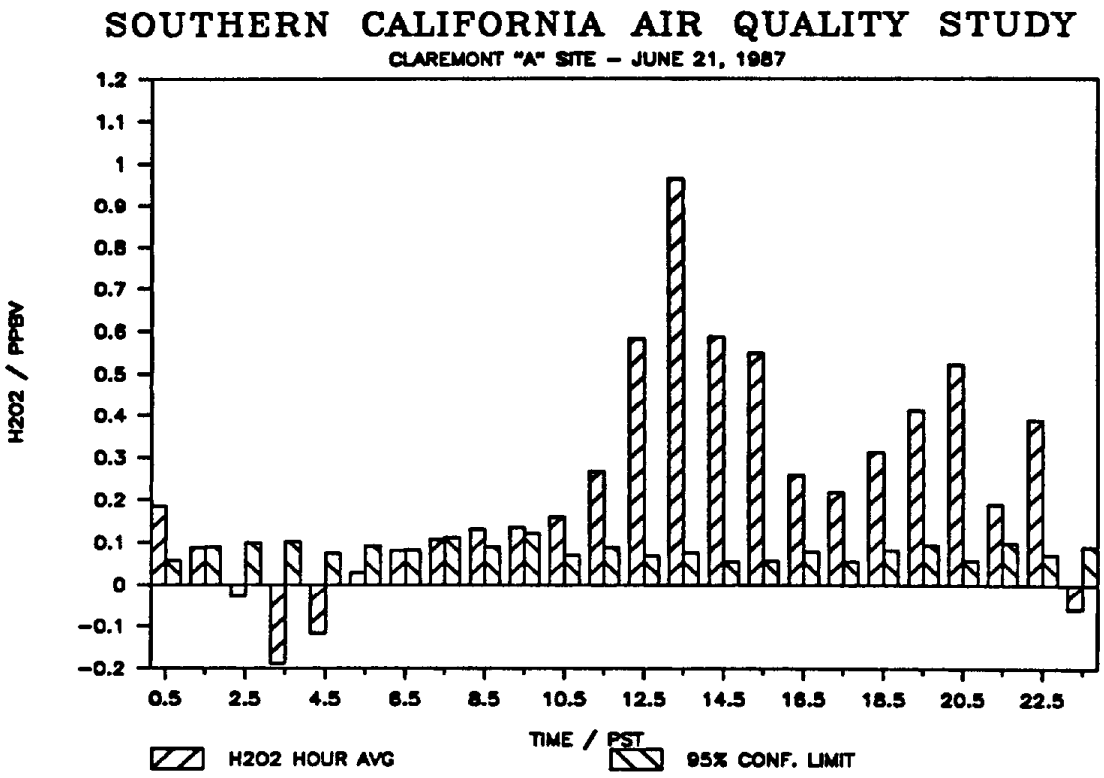
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 18, 1987
JULIAN DATE: 169

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.042	0.107	0.091		
1.5	0.058	0.107	0.123		
2.5	-0.039	0.095	-0.093		
3.5	0.149	0.098	0.330		
4.5	0.047	0.094	0.114		
5.5	-0.135	0.161	-0.189		
6.5	0.387	0.169	0.467		
7.5					CALIBRATION
8.5	-0.044	0.098	-0.102		06:23 TO 07:48
9.5	0.061	0.089	0.156		
10.5	0.377	0.070	0.776		
11.5	0.127	0.057	0.459		
12.5	0.126	0.049	0.509		
13.5	0.099	0.103	0.217		
14.5	0.284	0.068	0.693		
15.5	0.327	0.045	0.857		
16.5	0.267	0.051	0.769		
17.5	0.304	0.059	0.767		
18.5	0.408	0.064	0.873		
19.5					CALIBRATION
20.5	-0.175	0.090	-0.409		20:10 TO 20:50
21.5	-0.180	0.082	-0.454		
22.5	0.084	0.064	0.291		
23.5	0.169	0.066	0.507		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 20, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

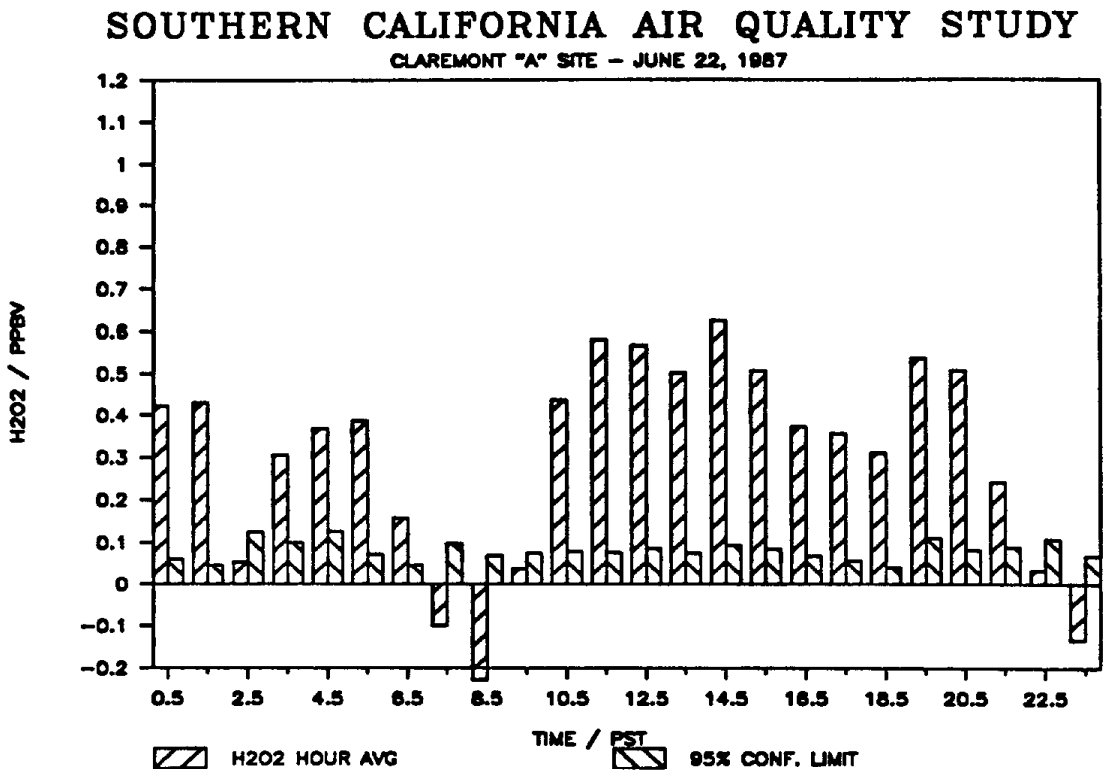
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 19, 1987
JULIAN DATE: 170

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.131	0.052	0.500		
1.5	0.117	0.047	0.501		
2.5	0.157	0.080	0.414		
3.5	0.480	0.099	0.744		
4.5	-0.001	0.053	-0.002		
5.5	0.395	0.097	0.684		
6.5					CALIBRATION
7.5	-0.088	0.074	-0.264		06:20 TO 06:50
8.5	0.311	0.093	0.610		
9.5	0.474	0.165	0.551		
10.5	0.435	0.072	0.811		
11.5	0.514	0.071	0.858		
12.5	0.282	0.082	0.623		
13.5	0.195	0.091	0.443		
14.5	0.188	0.107	0.375		
15.5	0.270	0.069	0.672		
16.5	0.407	0.094	0.705		
17.5	0.480	0.054	0.900		
18.5	0.551	0.060	0.904		
19.5	0.216	0.080	0.529		
20.5	0.086	0.087	0.222		
21.5	0.028	0.054	0.119		
22.5	0.078	0.056	0.305		
23.5	0.522	0.066	0.878		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 21, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

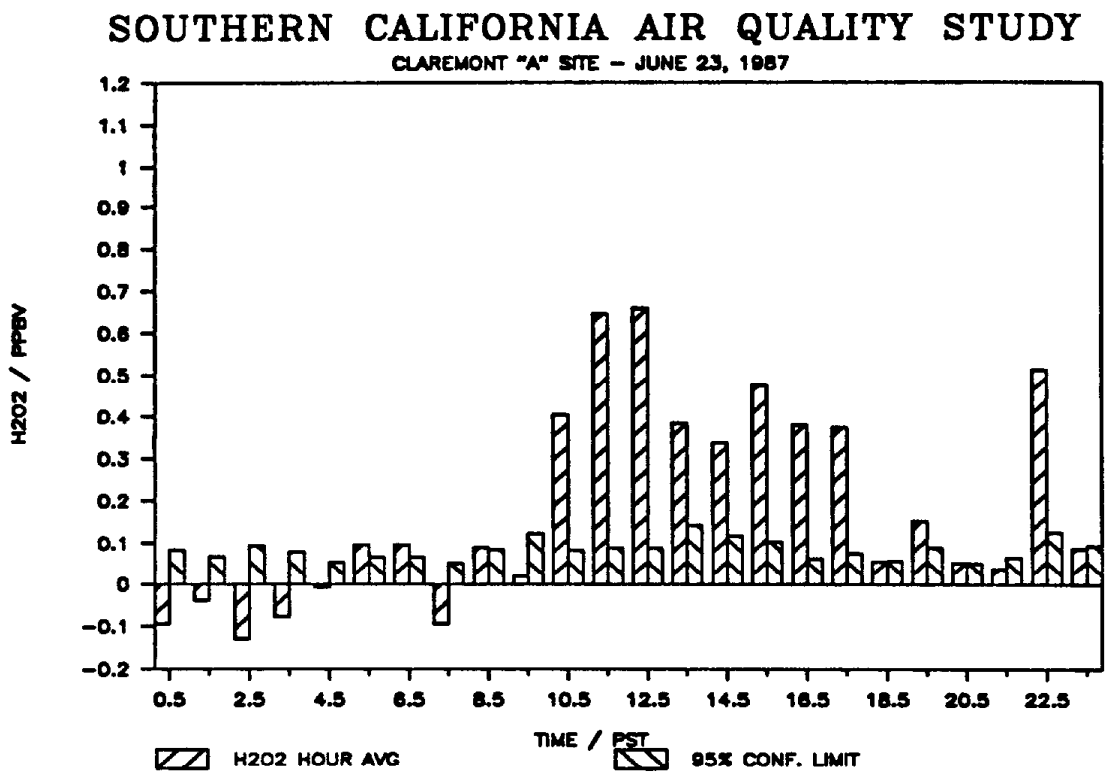
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 20, 1987
JULIAN DATE: 171

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.401	0.089	0.722		
1.5	0.198	0.056	0.630		
2.5	0.071	0.053	0.295		
3.5	0.340	0.034	0.919		
4.5	-0.033	0.059	-0.126		
5.5	0.320	0.080	0.676		
6.5	0.204	0.051	0.682		
7.5					
8.5					
9.5					
10.5					CALIBRATION
11.5					TO 11:43
12.5	0.705	0.075	0.907		
13.5	0.221	0.097	0.466		
14.5	0.420	0.065	0.830		
15.5	0.554	0.086	0.829		
16.5	0.259	0.073	0.632		
17.5	0.441	0.082	0.780		
18.5	-0.049	0.075	-0.148		
19.5					CALIBRATION
20.5	0.390	0.053	0.862		19:17 TO 19:58
21.5	0.391	0.056	0.848		
22.5	0.310	0.061	0.762		
23.5	0.241	0.058	0.689		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 22, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

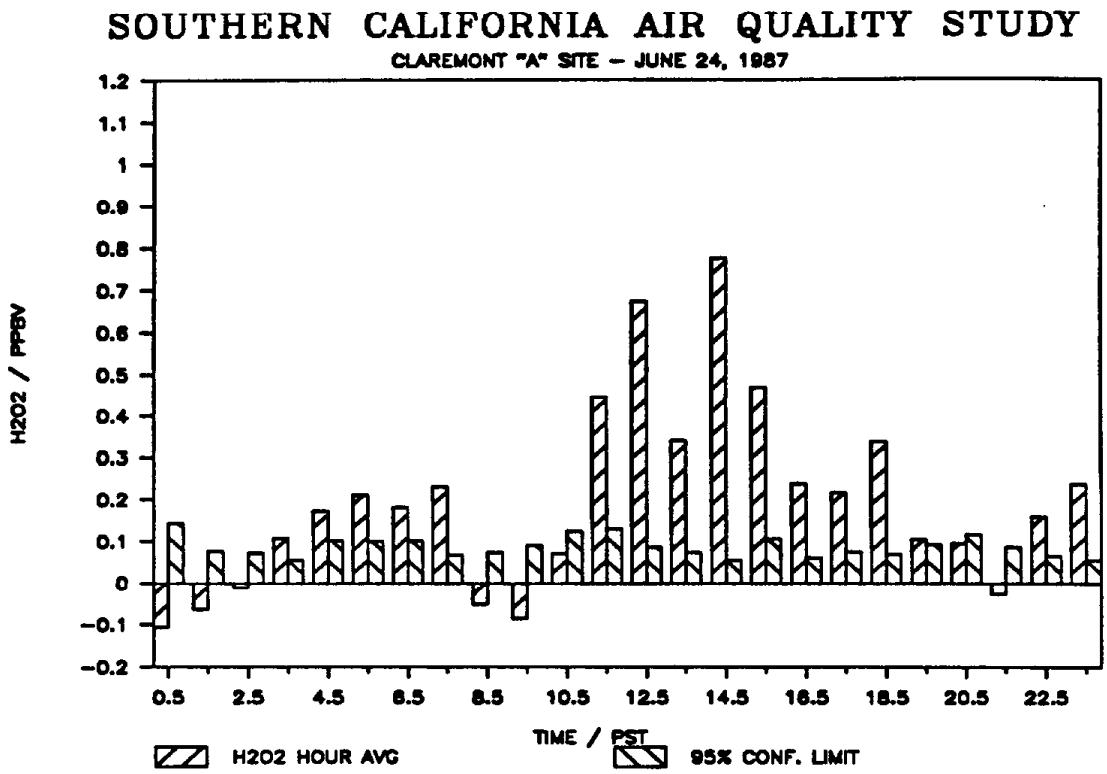
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 21, 1987
JULIAN DATE: 172

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.185	0.059	0.588		
1.5	0.088	0.089	0.221		
2.5	-0.028	0.099	-0.066		
3.5	-0.188	0.102	-0.389		
4.5	-0.117	0.075	-0.336		
5.5	0.030	0.092	0.075		
6.5	0.082	0.083	0.223		
7.5	0.108	0.112	0.217		CALIBRATION
8.5	0.132	0.090	0.319		07:40 TO 08:02
9.5	0.136	0.122	0.249		
10.5	0.160	0.071	0.462		
11.5	0.267	0.089	0.567		
12.5	0.585	0.070	0.887		
13.5	0.965	0.076	0.947		
14.5	0.590	0.056	0.925		
15.5	0.551	0.057	0.913		
16.5	0.259	0.080	0.597		
17.5	0.218	0.056	0.669		
18.5	0.313	0.082	0.633		
19.5	0.412	0.094	0.710		
20.5	0.523	0.058	0.902		
21.5	0.190	0.099	0.404		
22.5	0.390	0.072	0.781		
23.5	-0.058	0.090	-0.146		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 23, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

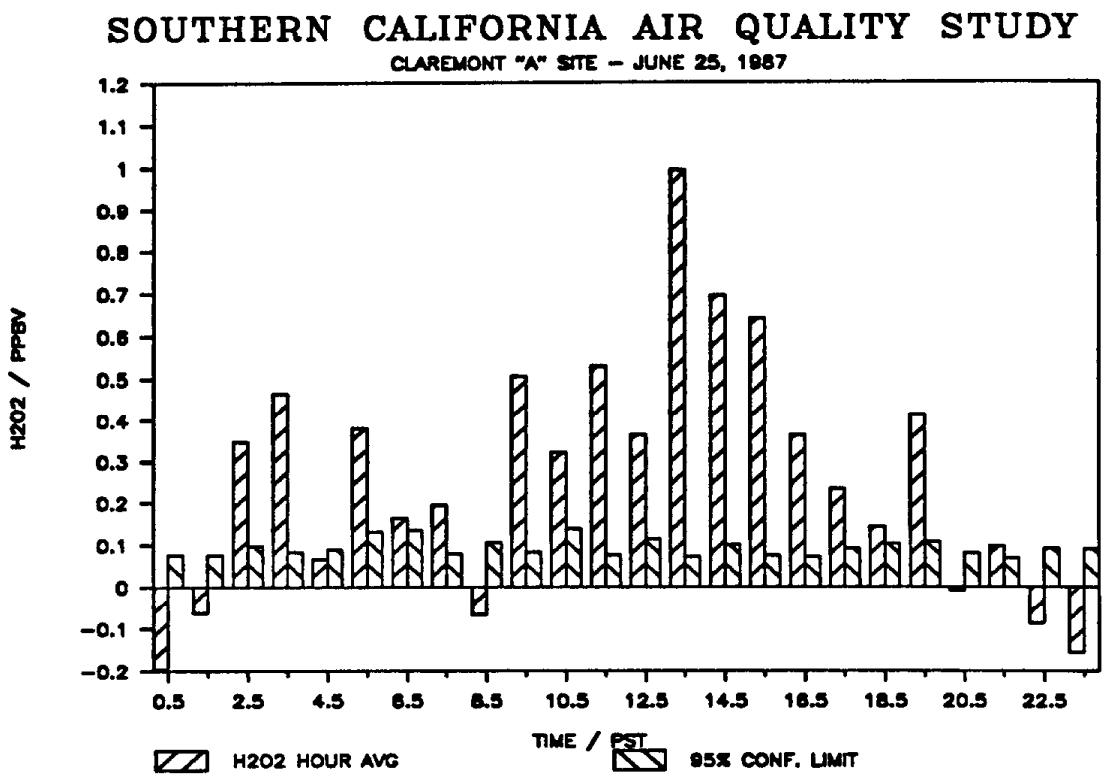
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 22, 1987
JULIAN DATE: 173

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.422	0.060	0.851		
1.5	0.429	0.046	0.907		
2.5	0.054	0.125	0.099		
3.5	0.306	0.100	0.575		
4.5	0.369	0.126	0.561		
5.5	0.387	0.072	0.779		
6.5	0.157	0.046	0.614		CALIBRATION
7.5	-0.099	0.098	-0.226		06:51 TO 07:34
8.5	-0.221	0.069	-0.592		
9.5	0.039	0.075	0.118		
10.5	0.436	0.080	0.782		
11.5	0.581	0.076	0.869		
12.5	0.568	0.087	0.832		
13.5	0.503	0.075	0.840		
14.5	0.627	0.093	0.841		
15.5	0.507	0.085	0.809		
16.5	0.372	0.068	0.783		
17.5	0.355	0.056	0.823		
18.5	0.310	0.042	0.863		
19.5	0.537	0.111	0.746		
20.5	0.507	0.083	0.817		
21.5	0.241	0.090	0.528		
22.5	0.034	0.107	0.073		
23.5	-0.133	0.068	-0.409		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 24, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

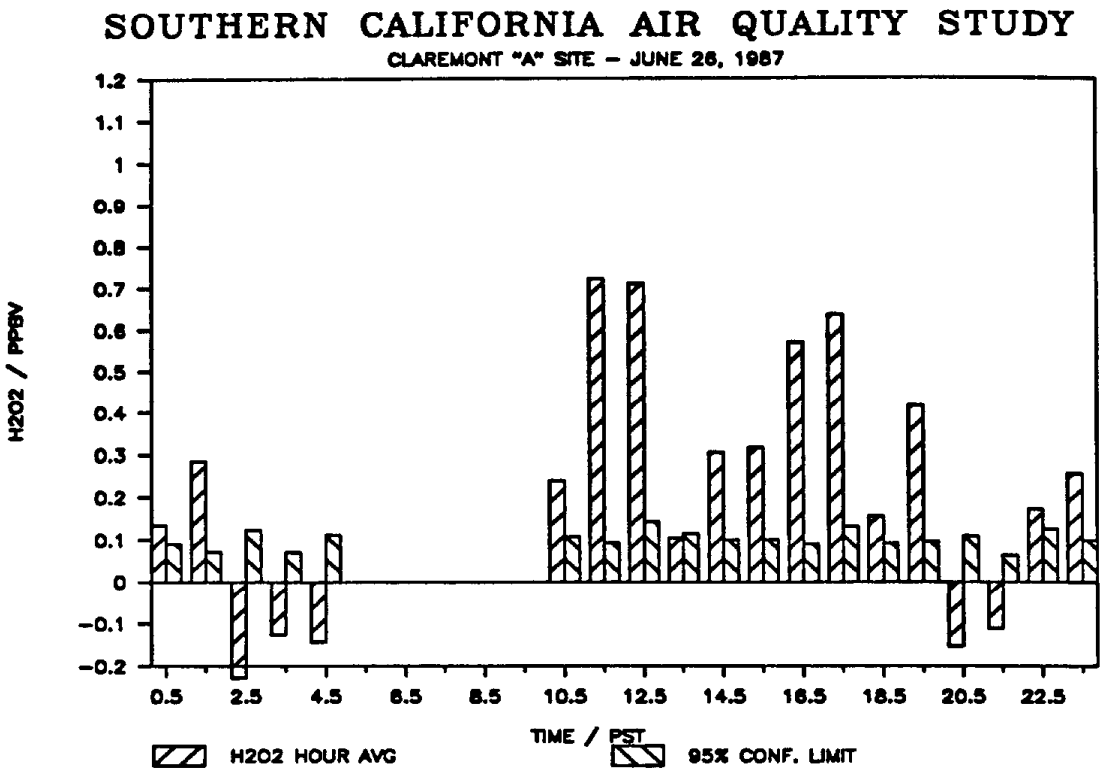
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 23, 1987
JULIAN DATE: 174

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.094	0.084	-0.249		
1.5	-0.038	0.067	-0.130		
2.5	-0.129	0.094	-0.302		
3.5	-0.076	0.079	-0.216		
4.5	-0.007	0.054	-0.029		
5.5	0.096	0.067	0.313		
6.5	0.096	0.067	0.313		CALIBRATION
7.5	-0.094	0.051	-0.392		06:05 TO 07:56
8.5	0.089	0.084	0.237		
9.5	0.019	0.124	0.036		
10.5	0.405	0.083	0.748		
11.5	0.649	0.090	0.858		
12.5	0.661	0.089	0.863		
13.5	0.385	0.144	0.525		
14.5	0.338	0.117	0.554		
15.5	0.477	0.103	0.729		
16.5	0.381	0.062	0.815		
17.5	0.376	0.075	0.756		
18.5	0.056	0.057	0.220		
19.5	0.153	0.089	0.367		
20.5	0.052	0.052	0.227		
21.5	0.038	0.065	0.132		
22.5	0.513	0.126	0.685		
23.5	0.086	0.094	0.206		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 25, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

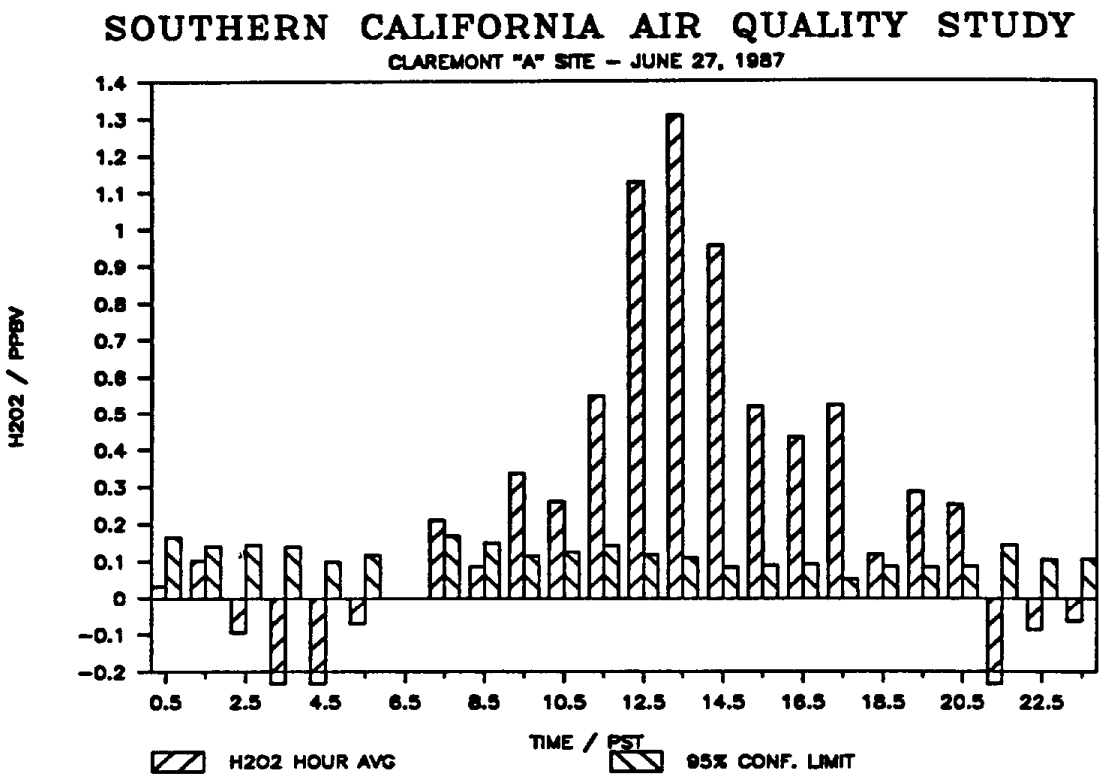
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 24, 1987
JULIAN DATE: 175

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.106	0.143	-0.168		
1.5	-0.063	0.077	-0.186		
2.5	-0.011	0.072	-0.035		
3.5	0.108	0.056	0.404		
4.5	0.173	0.102	0.363		
5.5	0.211	0.101	0.434		CALIBRATION
6.5	0.181	0.102	0.380		05:47 TO 06:36
7.5	0.230	0.068	0.616		
8.5	-0.051	0.074	-0.155		
9.5	-0.084	0.091	-0.208		
10.5	0.071	0.124	0.132		
11.5	0.446	0.130	0.620		
12.5	0.675	0.087	0.873		
13.5	0.341	0.074	0.728		
14.5	0.778	0.055	0.956		
15.5	0.470	0.106	0.714		
16.5	0.238	0.060	0.672		
17.5	0.216	0.075	0.556		
18.5	0.338	0.069	0.749		
19.5	0.104	0.092	0.252		
20.5	0.095	0.116	0.185		
21.5	-0.027	0.087	-0.072		
22.5	0.159	0.065	0.492		
23.5	0.236	0.056	0.693		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 26, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

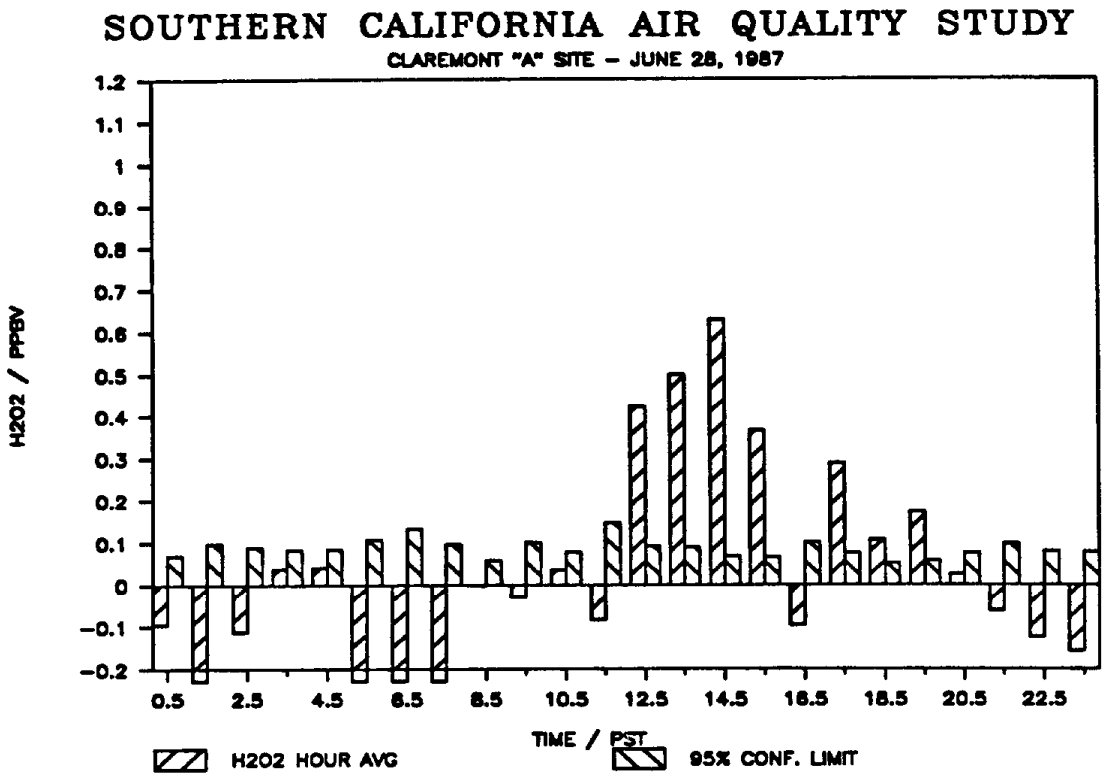
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 25, 1987
JULIAN DATE: 176

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.195	0.076	-0.509		
1.5	-0.062	0.076	-0.185		
2.5	0.348	0.097	0.636		
3.5	0.465	0.083	0.789		
4.5	0.067	0.089	0.170		
5.5	0.381	0.132	0.556		CALIBRATION
6.5	0.163	0.136	0.266		05:33 TO 06:28
7.5	0.196	0.079	0.496		
8.5	-0.067	0.106	-0.144		
9.5	0.506	0.084	0.812		
10.5	0.323	0.139	0.471		
11.5	0.531	0.076	0.851		
12.5	0.365	0.115	0.589		
13.5	0.994	0.073	0.953		
14.5	0.697	0.101	0.847		
15.5	0.643	0.075	0.891		
16.5	0.364	0.072	0.758		
17.5	0.233	0.092	0.505		
18.5	0.144	0.103	0.308		
19.5	0.413	0.108	0.661		
20.5	-0.009	0.081	-0.024		
21.5	0.098	0.069	0.309		
22.5	-0.087	0.092	-0.213		
23.5	-0.156	0.090	-0.370		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 27, 1987
H2O2 / PPBV
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

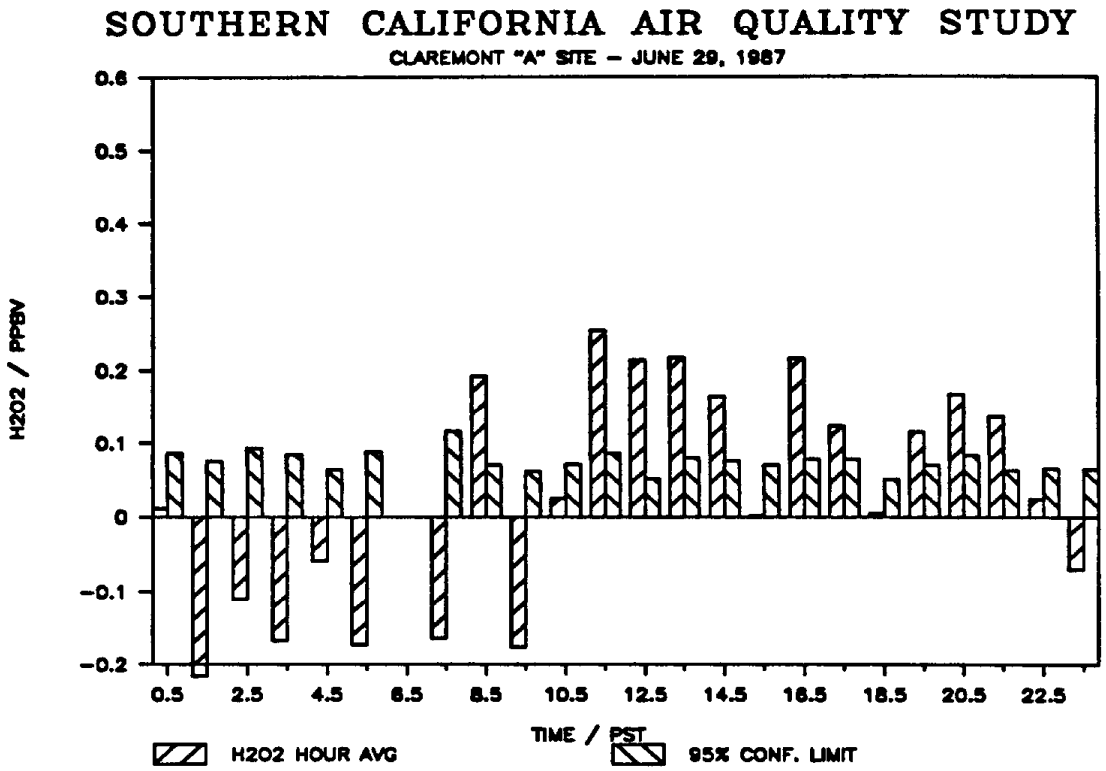
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 26, 1987
JULIAN DATE: 177

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.135	0.090	0.326		
1.5	0.284	0.073	0.667		
2.5	-0.240	0.124	-0.408		
3.5	-0.126	0.071	-0.376		
4.5	-0.143	0.112	-0.282		
5.5					SETUP
6.5					FROM 05:22
7.5					
8.5					
9.5					CALIBRATION
10.5	0.239	0.109	0.453		AT 09:35
11.5	0.723	0.093	0.873		
12.5	0.712	0.142	0.755		
13.5	0.105	0.114	0.208		
14.5	0.306	0.100	0.575		
15.5	0.318	0.100	0.593		
16.5	0.571	0.091	0.821		
17.5	0.638	0.131	0.746		
18.5	0.155	0.092	0.363		
19.5	0.416	0.095	0.708		
20.5	-0.154	0.109	-0.309		
21.5	-0.110	0.064	-0.371		
22.5	0.173	0.126	0.301		
23.5	0.256	0.099	0.512		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 28, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

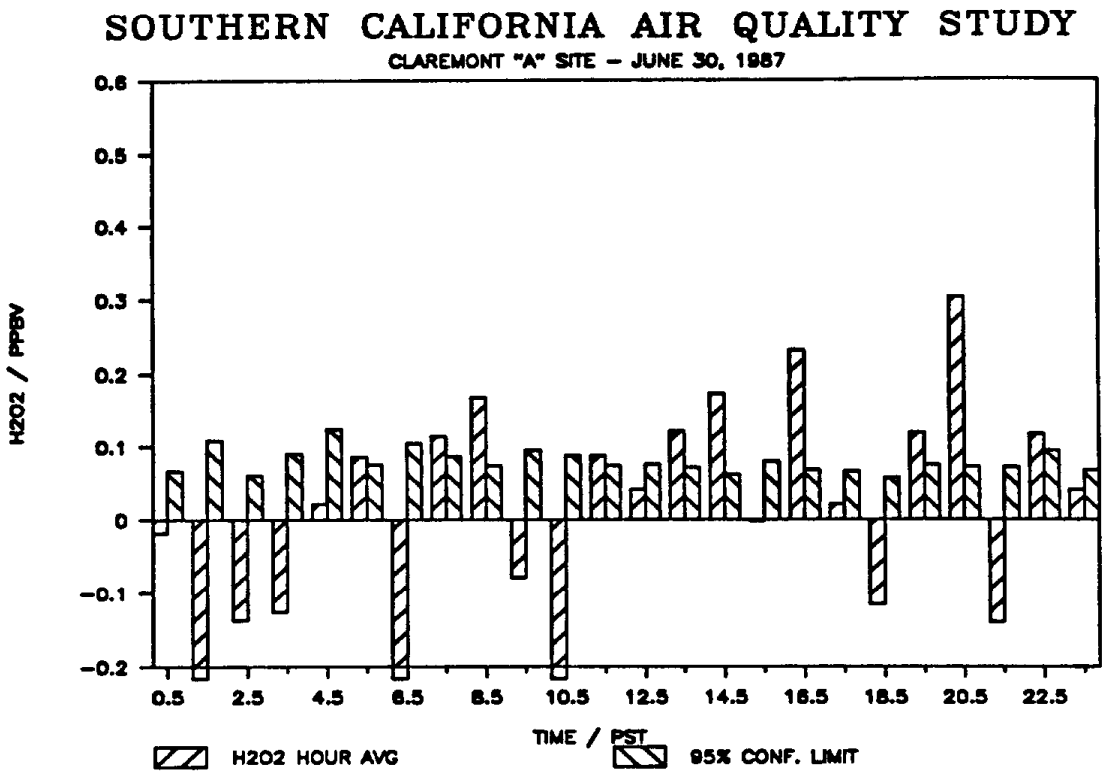
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 27, 1987
JULIAN DATE: 178

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.032	0.165	0.045		
1.5	0.102	0.141	0.165		
2.5	-0.094	0.143	-0.149		
3.5	-0.258	0.139	-0.394		
4.5	-0.488	0.097	-0.756		
5.5	-0.071	0.116	-0.139		CALIBRATION
6.5					05:45 TO 07:29
7.5	0.210	0.167	0.279		
8.5	0.085	0.149	0.131		
9.5	0.337	0.113	0.565		
10.5	0.259	0.125	0.432		
11.5	0.548	0.141	0.666		
12.5	1.129	0.118	0.911		
13.5	1.307	0.110	0.939		
14.5	0.956	0.084	0.934		
15.5	0.519	0.088	0.805		
16.5	0.433	0.092	0.736		
17.5	0.522	0.051	0.919		
18.5	0.117	0.085	0.304		
19.5	0.287	0.084	0.619		
20.5	0.251	0.088	0.549		
21.5	-0.290	0.143	-0.424		
22.5	-0.086	0.105	-0.185		
23.5	-0.064	0.106	-0.138		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 29, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

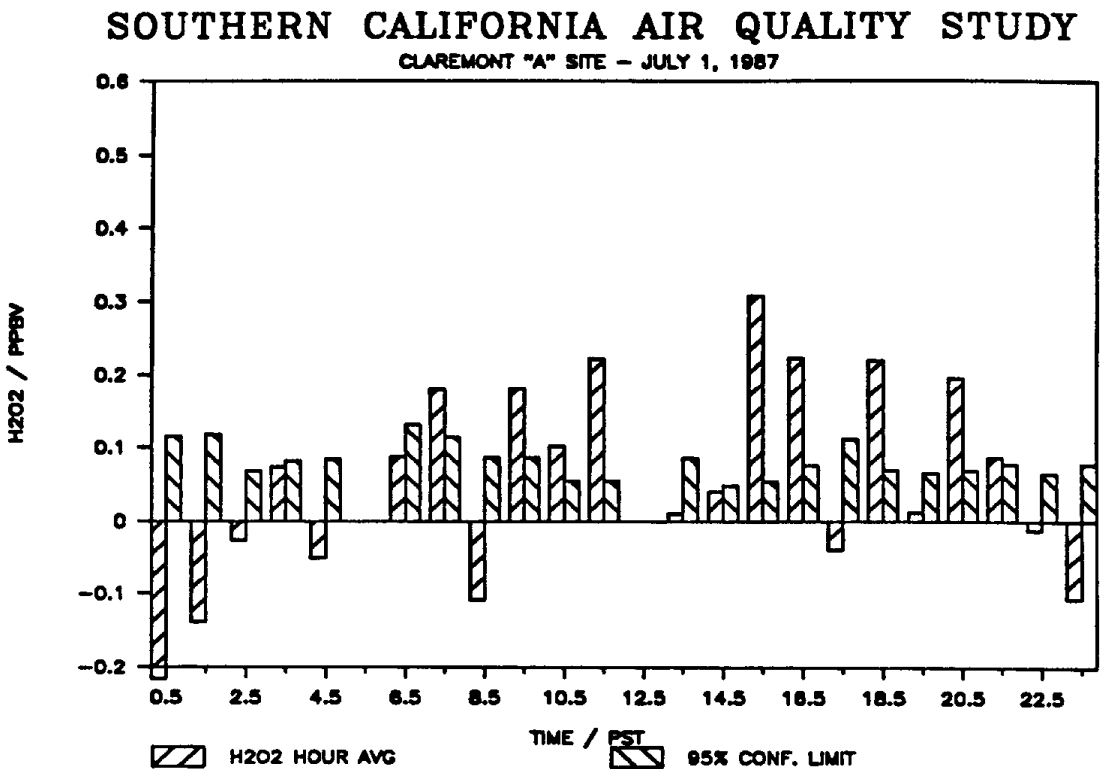
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 28, 1987
JULIAN DATE: 179

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.095	0.069	-0.303		
1.5	-0.363	0.098	-0.651		
2.5	-0.112	0.090	-0.276		
3.5	0.038	0.083	0.105		
4.5	0.041	0.085	0.109		
5.5	-0.316	0.106	-0.564		CALIBRATION
6.5	-0.209	0.132	-0.342		05:51 TO 06:16
7.5	-0.314	0.097	-0.600		
8.5	-0.001	0.059	-0.003		
9.5	-0.030	0.102	-0.068		
10.5	0.036	0.079	0.104		
11.5	-0.084	0.147	-0.130		
12.5	0.421	0.092	0.726		
13.5	0.500	0.089	0.792		
14.5	0.631	0.067	0.907		
15.5	0.364	0.066	0.786		
16.5	-0.097	0.100	-0.218		
17.5	0.287	0.074	0.664		
18.5	0.106	0.052	0.427		
19.5	0.173	0.057	0.570		
20.5	0.025	0.075	0.077		
21.5	-0.063	0.097	-0.147		
22.5	-0.124	0.079	-0.339		
23.5	-0.158	0.078	-0.422		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 30, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 29, 1987
JULIAN DATE: 180

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.011	0.087	0.030		
1.5	-0.258	0.076	-0.618		
2.5	-0.110	0.093	-0.264		
3.5	-0.167	0.084	-0.417		
4.5	-0.058	0.064	-0.205		
5.5	-0.174	0.088	-0.414		CALIBRATION
6.5					05:47 TO 07:02
7.5	-0.164	0.116	-0.308		
8.5	0.192	0.070	0.533		
9.5	-0.177	0.061	-0.555		
10.5	0.025	0.071	0.080		
11.5	0.254	0.087	0.560		
12.5	0.214	0.052	0.689		
13.5	0.217	0.080	0.529		
14.5	0.165	0.076	0.446		
15.5	0.001	0.070	0.004		
16.5	0.217	0.079	0.535		
17.5	0.124	0.079	0.341		
18.5	0.005	0.051	0.022		
19.5	0.115	0.070	0.353		
20.5	0.167	0.083	0.420		
21.5	0.137	0.063	0.445		
22.5	0.024	0.066	0.084		
23.5	-0.070	0.065	-0.241		

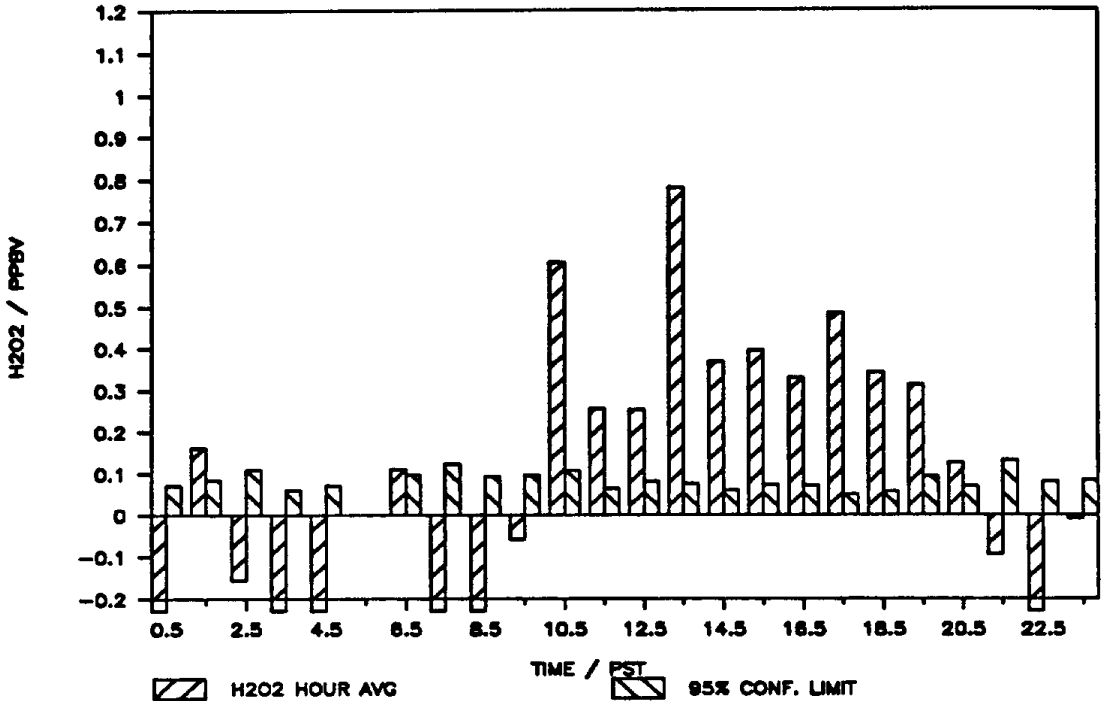

SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 1, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 30, 1987
JULIAN DATE: 181

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.018	0.066	-0.061		
1.5	-0.251	0.108	-0.470		
2.5	-0.138	0.060	-0.469		
3.5	-0.126	0.090	-0.308		
4.5	0.021	0.123	0.040		
5.5	0.086	0.076	0.253		CALIBRATION
6.5	-0.224	0.104	-0.444		05:34 TO 06:31
7.5	0.114	0.086	0.291		
8.5	0.168	0.073	0.468		
9.5	-0.079	0.094	-0.189		
10.5	-0.230	0.087	-0.518		
11.5	0.088	0.073	0.265		
12.5	0.041	0.075	0.126		
13.5	0.120	0.071	0.364		
14.5	0.173	0.062	0.543		
15.5	-0.001	0.079	-0.003		
16.5	0.232	0.068	0.619		
17.5	0.021	0.065	0.075		
18.5	-0.116	0.057	-0.425		
19.5	0.118	0.074	0.344		
20.5	0.303	0.072	0.696		
21.5	-0.140	0.072	-0.412		
22.5	0.117	0.094	0.275		
23.5	0.040	0.067	0.137		

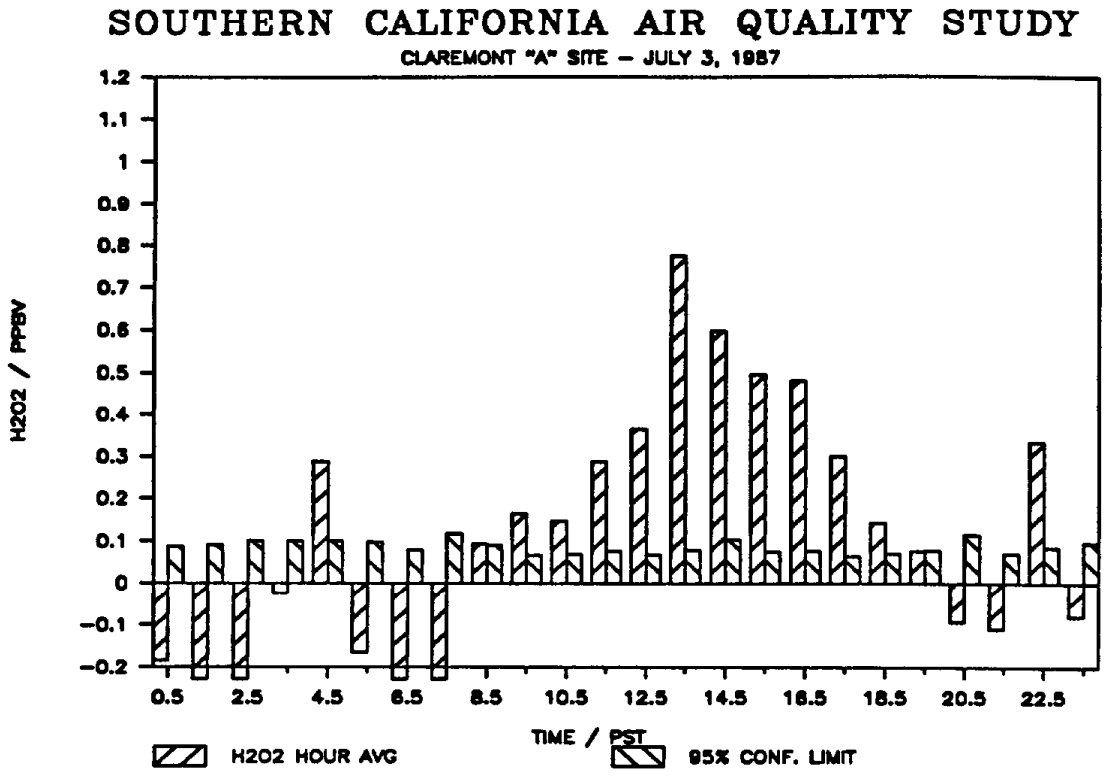
SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 2, 1987



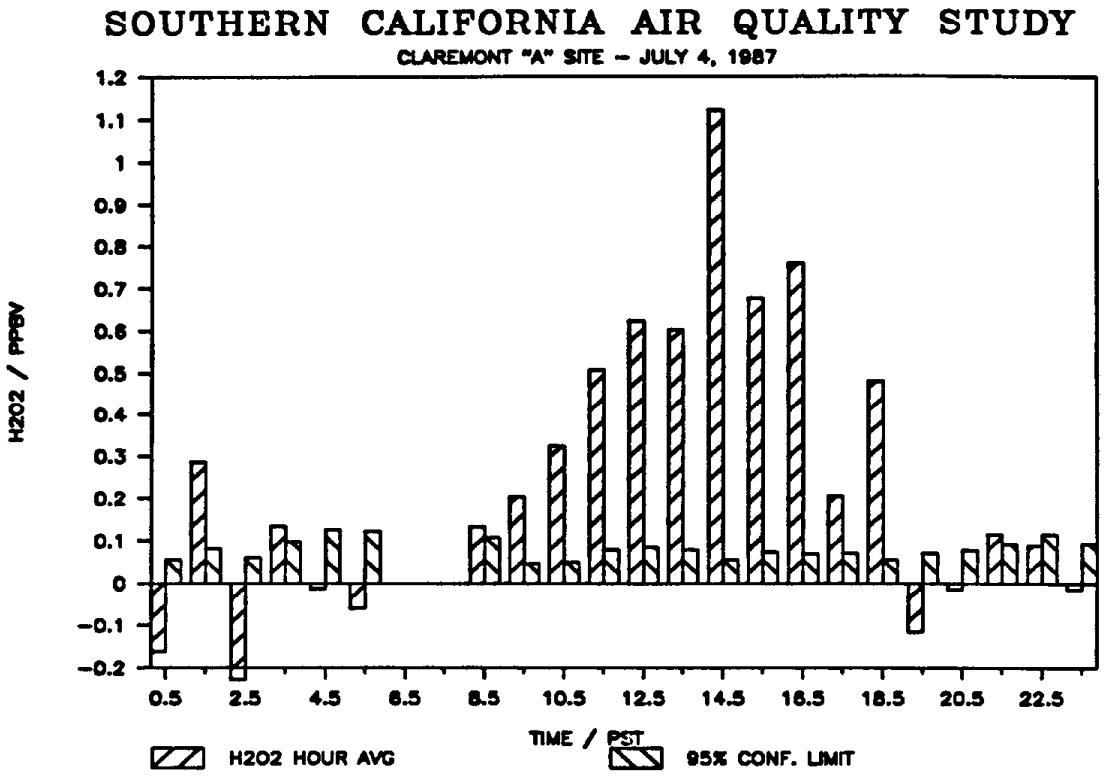
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 1, 1987
JULIAN DATE: 182

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.322	0.115	-0.543		
1.5	-0.138	0.117	-0.262		
2.5	-0.026	0.068	-0.088		
3.5	0.073	0.082	0.203		
4.5	-0.050	0.085	-0.135		
5.5					CALIBRATION
6.5	0.088	0.131	0.153		05:24 TO 06:37
7.5	0.179	0.114	0.341		
8.5	-0.109	0.086	-0.279		
9.5	0.180	0.086	0.433		
10.5	0.102	0.055	0.394		
11.5	0.223	0.055	0.681		
12.5	0.382	0.109	0.629		
13.5	0.010	0.085	0.027		
14.5	0.040	0.048	0.188		
15.5	0.308	0.054	0.796		
16.5	0.223	0.076	0.558		
17.5	-0.039	0.112	-0.080		
18.5	0.220	0.069	0.592		
19.5	0.013	0.065	0.044		
20.5	0.196	0.069	0.549		
21.5	0.086	0.077	0.249		
22.5	-0.012	0.065	-0.042		
23.5	-0.107	0.078	-0.302		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 3, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

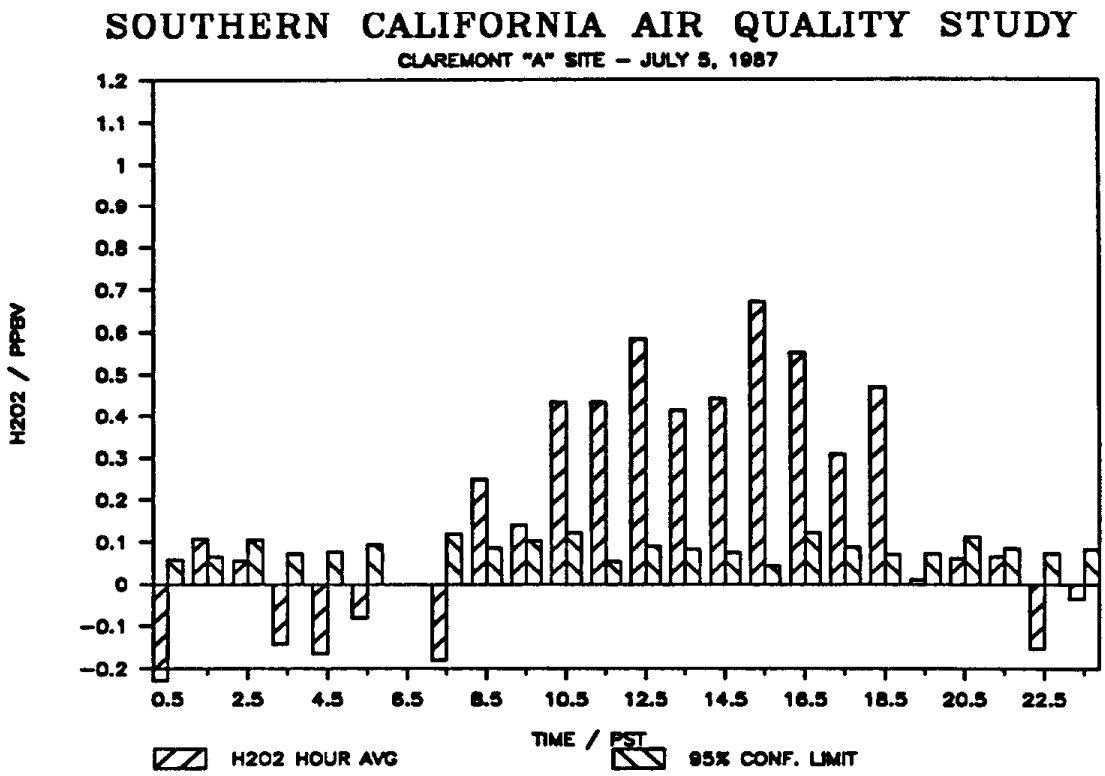
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 2, 1987
JULIAN DATE: 183

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.290	0.072	-0.681		
1.5	0.161	0.085	0.398		
2.5	-0.156	0.109	-0.314		
3.5	-0.219	0.061	-0.635		
4.5	-0.247	0.072	-0.620		
5.5					CALIBRATION
6.5	0.111	0.098	0.252		05:36 TO 06:30
7.5	-0.264	0.123	-0.443		
8.5	-0.242	0.093	-0.513		
9.5	-0.059	0.096	-0.140		
10.5	0.606	0.107	0.795		
11.5	0.256	0.065	0.671		
12.5	0.253	0.082	0.579		
13.5	0.781	0.077	0.920		
14.5	0.368	0.061	0.812		
15.5	0.395	0.073	0.778		
16.5	0.330	0.073	0.722		
17.5	0.486	0.051	0.909		
18.5	0.342	0.058	0.805		
19.5	0.313	0.093	0.614		
20.5	0.125	0.071	0.379		
21.5	-0.093	0.131	-0.161		
22.5	-0.250	0.082	-0.576		
23.5	-0.009	0.085	-0.025		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 4, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

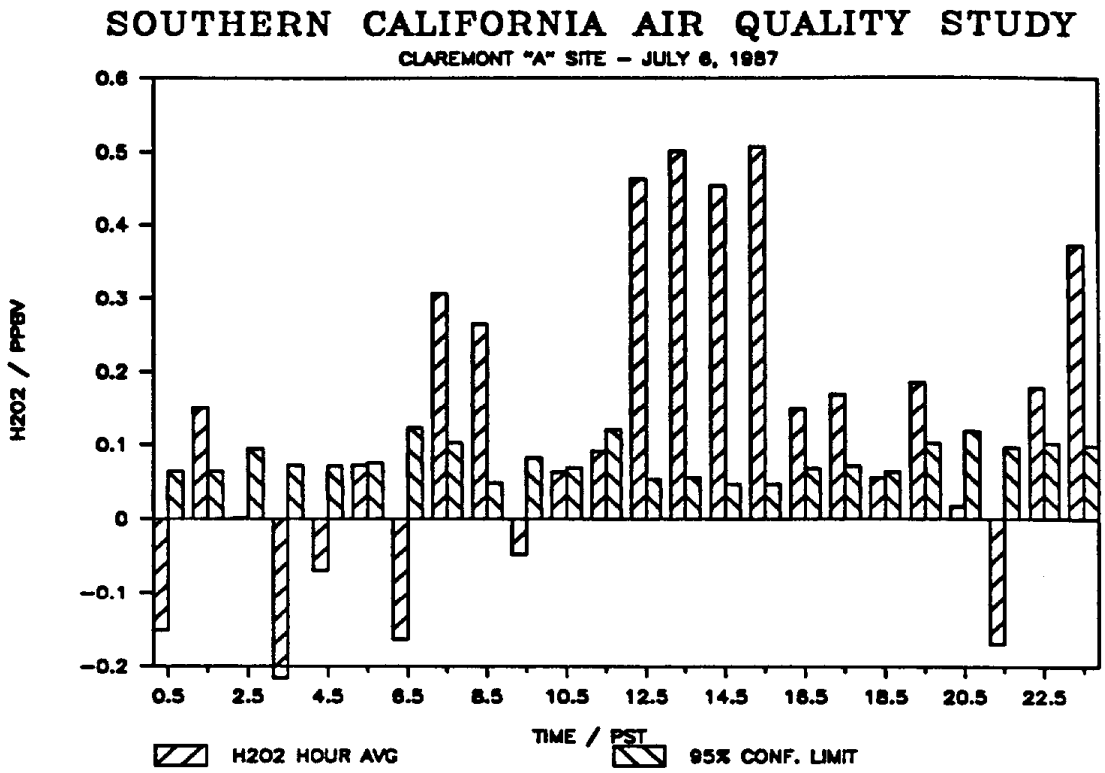
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 3, 1987
JULIAN DATE: 184

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.185	0.088	-0.436		
1.5	-0.235	0.090	-0.514		
2.5	-0.334	0.101	-0.608		
3.5	-0.025	0.100	-0.058		
4.5	0.287	0.101	0.548		
5.5	-0.164	0.098	-0.362		CALIBRATE
6.5	-0.307	0.080	-0.663		05:28 TO 06:28
7.5	-0.259	0.118	-0.453		
8.5	0.094	0.091	0.232		
9.5	0.165	0.067	0.493		
10.5	0.147	0.070	0.436		
11.5	0.287	0.077	0.653		
12.5	0.365	0.068	0.777		
13.5	0.776	0.080	0.913		
14.5	0.599	0.104	0.799		
15.5	0.498	0.075	0.838		
16.5	0.481	0.076	0.825		
17.5	0.300	0.064	0.731		
18.5	0.142	0.071	0.420		
19.5	0.076	0.078	0.219		
20.5	-0.092	0.114	-0.182		
21.5	-0.109	0.072	-0.332		
22.5	0.334	0.084	0.673		
23.5	-0.079	0.095	-0.187		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 5, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

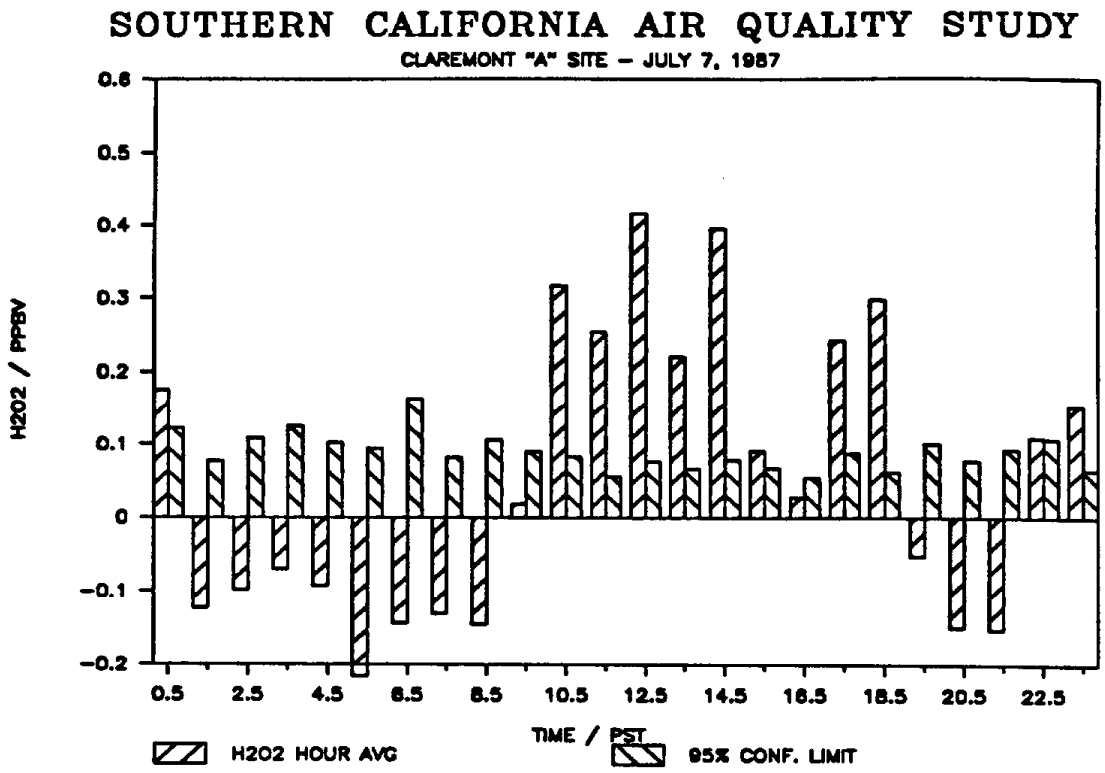
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 4, 1987
JULIAN DATE: 185

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.161	0.055	-0.559		
1.5	0.286	0.082	0.629		
2.5	-0.360	0.061	-0.803		
3.5	0.134	0.098	0.301		
4.5	-0.013	0.126	-0.023		
5.5	-0.060	0.122	-0.113		
6.5					CALIBRATION
7.5					06:01 TO 08:03
8.5	0.133	0.108	0.272		
9.5	0.204	0.047	0.706		
10.5	0.325	0.049	0.835		
11.5	0.509	0.079	0.828		
12.5	0.624	0.085	0.861		
13.5	0.604	0.079	0.870		
14.5	1.121	0.055	0.978		
15.5	0.678	0.074	0.904		
16.5	0.760	0.070	0.929		
17.5	0.205	0.070	0.558		
18.5	0.481	0.055	0.895		
19.5	-0.115	0.071	-0.352		
20.5	-0.013	0.078	-0.039		
21.5	0.115	0.092	0.276		
22.5	0.090	0.115	0.177		
23.5	-0.014	0.094	-0.035		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 6, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

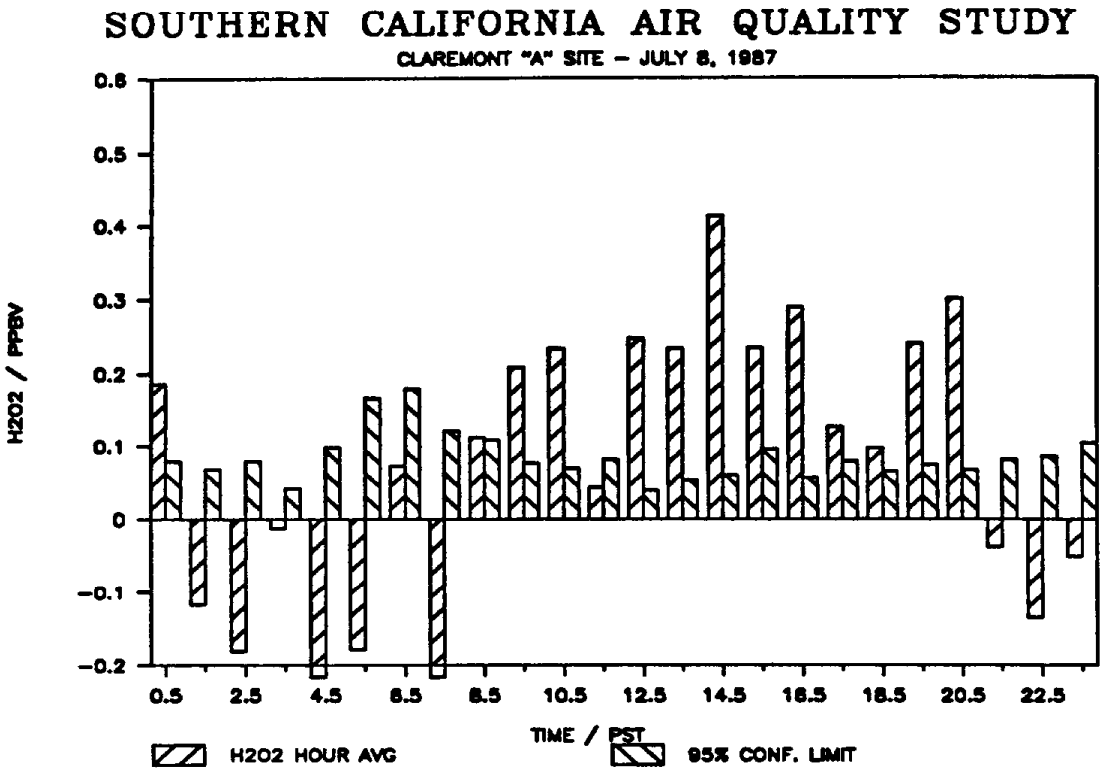
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 5, 1987
JULIAN DATE: 186

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.230	0.058	-0.675		
1.5	0.108	0.066	0.353		
2.5	0.055	0.104	0.121		
3.5	-0.142	0.073	-0.408		
4.5	-0.164	0.077	-0.443		
5.5	-0.081	0.094	-0.195		CALIBRATION
6.5					05:46 TO 06:56
7.5	-0.180	0.119	-0.329		
8.5	0.249	0.087	0.550		
9.5	0.140	0.103	0.299		
10.5	0.432	0.121	0.635		
11.5	0.432	0.054	0.879		
12.5	0.584	0.091	0.830		
13.5	0.414	0.084	0.749		
14.5	0.440	0.075	0.806		
15.5	0.673	0.044	0.963		
16.5	0.552	0.122	0.723		
17.5	0.309	0.088	0.629		
18.5	0.470	0.070	0.839		
19.5	0.012	0.072	0.037		
20.5	0.061	0.111	0.127		
21.5	0.066	0.084	0.176		
22.5	-0.153	0.074	-0.433		
23.5	-0.035	0.084	-0.094		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 7, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

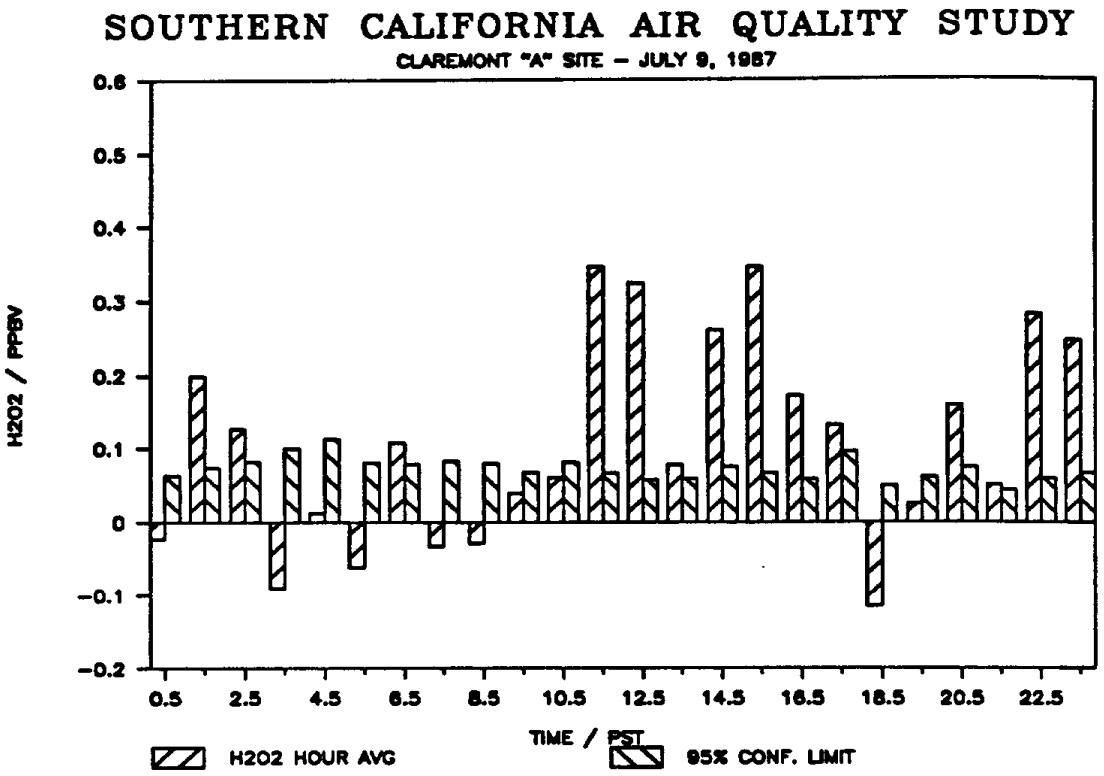
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 6, 1987
JULIAN DATE: 187

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.152	0.064	-0.476		
1.5	0.150	0.064	0.474		
2.5	0.002	0.094	0.004		
3.5	-0.226	0.073	-0.583		
4.5	-0.069	0.071	-0.219		
5.5	0.072	0.075	0.216		CALIBRATION
6.5	-0.163	0.123	-0.292		05:53 TO 06:34
7.5	0.307	0.103	0.568		
8.5	0.265	0.049	0.782		
9.5	-0.048	0.083	-0.132		
10.5	0.063	0.069	0.207		
11.5	0.091	0.120	0.172		
12.5	0.464	0.054	0.894		
13.5	0.502	0.056	0.901		
14.5	0.455	0.047	0.914		
15.5	0.507	0.047	0.927		
16.5	0.149	0.068	0.449		
17.5	0.169	0.071	0.480		
18.5	0.055	0.063	0.198		
19.5	0.185	0.102	0.386		
20.5	0.017	0.118	0.033		
21.5	-0.169	0.096	-0.375		
22.5	0.179	0.102	0.375		
23.5	0.372	0.098	0.658		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 8, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

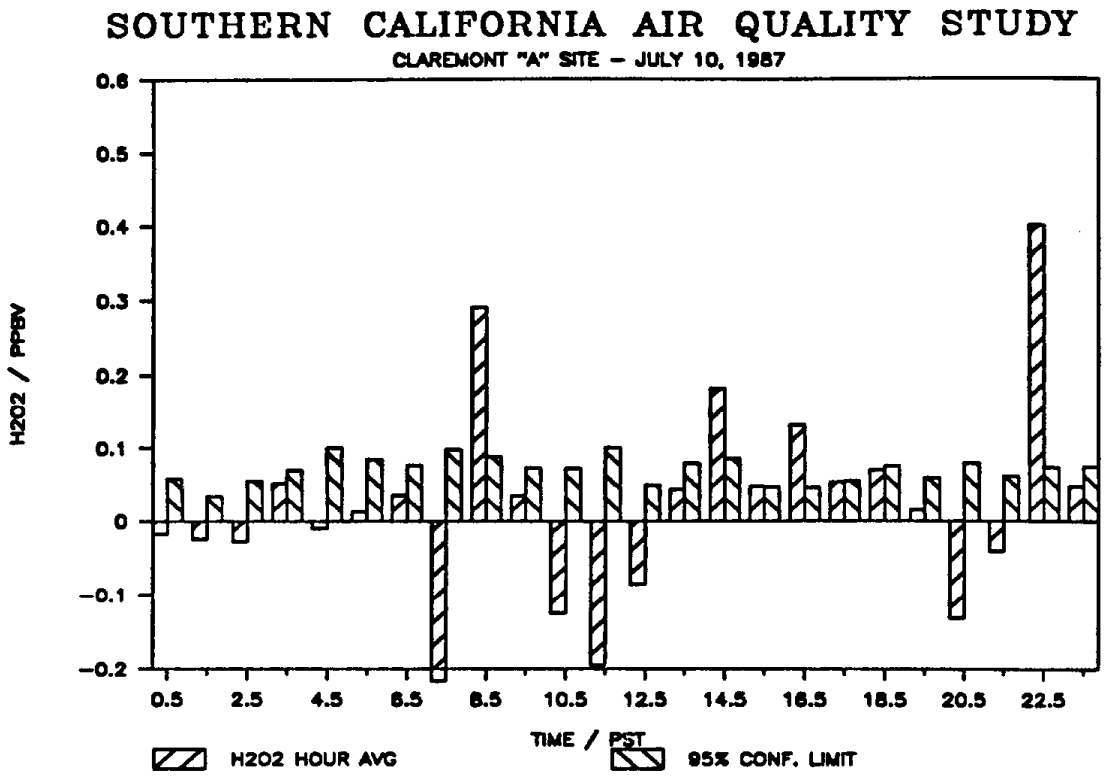
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 7, 1987
JULIAN DATE: 188

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.175	0.122	0.315		
1.5	-0.122	0.077	-0.345		
2.5	-0.097	0.109	-0.202		
3.5	-0.069	0.124	-0.127		
4.5	-0.093	0.102	-0.204		
5.5	-0.715	0.094	-0.869		CALIBRATION
6.5	-0.143	0.163	-0.198		05:34 TO 06:35
7.5	-0.130	0.082	-0.344		
8.5	-0.145	0.106	-0.301		
9.5	0.019	0.090	0.048		
10.5	0.317	0.083	0.663		
11.5	0.255	0.056	0.723		
12.5	0.417	0.076	0.782		
13.5	0.221	0.066	0.608		
14.5	0.396	0.078	0.759		
15.5	0.090	0.067	0.295		
16.5	0.027	0.054	0.115		
17.5	0.242	0.087	0.541		
18.5	0.298	0.061	0.748		
19.5	-0.052	0.101	-0.118		
20.5	-0.149	0.077	-0.410		
21.5	-0.153	0.092	-0.356		
22.5	0.108	0.107	0.227		
23.5	0.152	0.065	0.476		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 9, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

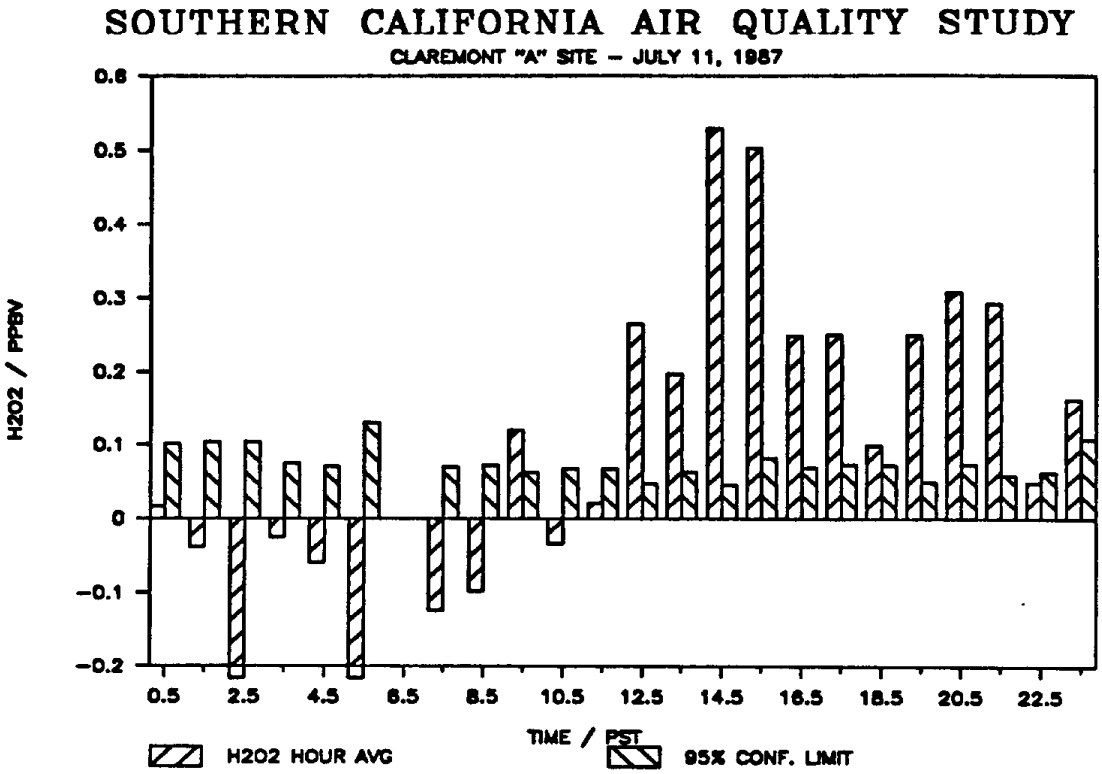
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 8, 1987
JULIAN DATE: 189

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.186	0.079	0.478		
1.5	-0.117	0.068	-0.370		
2.5	-0.181	0.080	-0.465		
3.5	-0.013	0.042	-0.069		
4.5	-0.205	0.097	-0.437		
5.5	-0.178	0.165	-0.241		CALIBRATION
6.5	0.073	0.179	0.093		05:28 TO 06:04
7.5	-0.233	0.121	-0.405		
8.5	0.112	0.109	0.231		
9.5	0.208	0.077	0.531		
10.5	0.235	0.069	0.616		
11.5	0.044	0.082	0.123		
12.5	0.248	0.040	0.823		
13.5	0.235	0.054	0.710		
14.5	0.413	0.060	0.847		
15.5	0.236	0.095	0.494		
16.5	0.291	0.056	0.765		
17.5	0.126	0.079	0.344		
18.5	0.097	0.066	0.323		
19.5	0.241	0.075	0.597		
20.5	0.302	0.067	0.720		
21.5	-0.037	0.082	-0.104		
22.5	-0.135	0.086	-0.339		
23.5	-0.050	0.104	-0.111		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 10, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

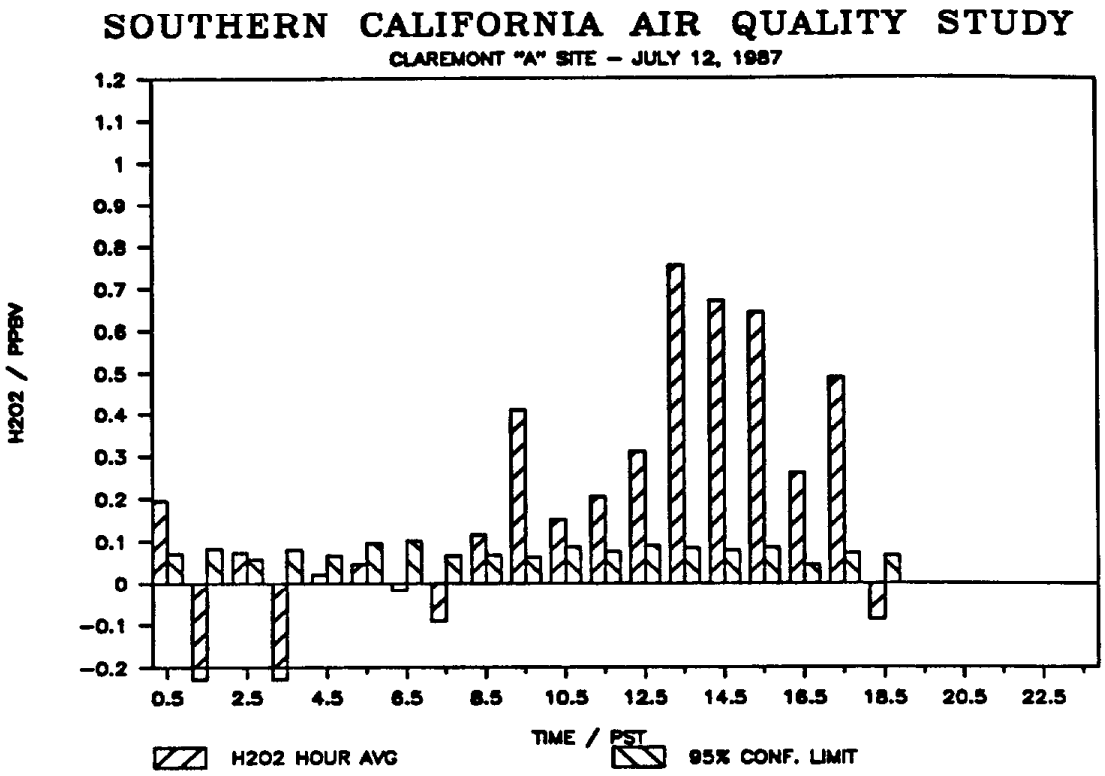
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 9, 1987
JULIAN DATE: 190

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.023	0.063	-0.084		
1.5	0.199	0.073	0.530		
2.5	0.126	0.081	0.337		
3.5	-0.090	0.100	-0.203		
4.5	0.013	0.113	0.026		
5.5	-0.061	0.080	-0.174		CALIBRATION
6.5	0.108	0.079	0.302		05:35 TO 06:28
7.5	-0.033	0.082	-0.091		
8.5	-0.028	0.079	-0.083		
9.5	0.039	0.067	0.134		
10.5	0.060	0.081	0.167		
11.5	0.347	0.066	0.770		
12.5	0.325	0.057	0.793		
13.5	0.077	0.059	0.290		
14.5	0.261	0.075	0.623		
15.5	0.347	0.066	0.769		
16.5	0.172	0.058	0.565		
17.5	0.131	0.096	0.301		
18.5	-0.115	0.049	-0.476		
19.5	0.025	0.061	0.094		
20.5	0.158	0.074	0.442		
21.5	0.051	0.044	0.261		
22.5	0.283	0.060	0.738		
23.5	0.248	0.067	0.651		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 11, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 10, 1987
JULIAN DATE: 191

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.018	0.058	-0.069		
1.5	-0.024	0.034	-0.158		
2.5	-0.027	0.055	-0.114		
3.5	0.052	0.069	0.171		
4.5	-0.010	0.101	-0.022		
5.5	0.013	0.084	0.035		CALIBRATION
6.5	0.036	0.076	0.107		05:34 TO 06:16
7.5	-0.217	0.098	-0.455		
8.5	0.291	0.088	0.604		
9.5	0.035	0.073	0.110		
10.5	-0.125	0.072	-0.370		
11.5	-0.195	0.101	-0.407		
12.5	-0.085	0.050	-0.367		
13.5	0.044	0.080	0.126		
14.5	0.183	0.086	0.440		
15.5	0.048	0.047	0.230		
16.5	0.131	0.046	0.545		
17.5	0.053	0.055	0.218		
18.5	0.070	0.075	0.209		
19.5	0.015	0.059	0.059		
20.5	-0.131	0.080	-0.354		
21.5	-0.040	0.061	-0.149		
22.5	0.402	0.073	0.783		
23.5	0.048	0.075	0.147		

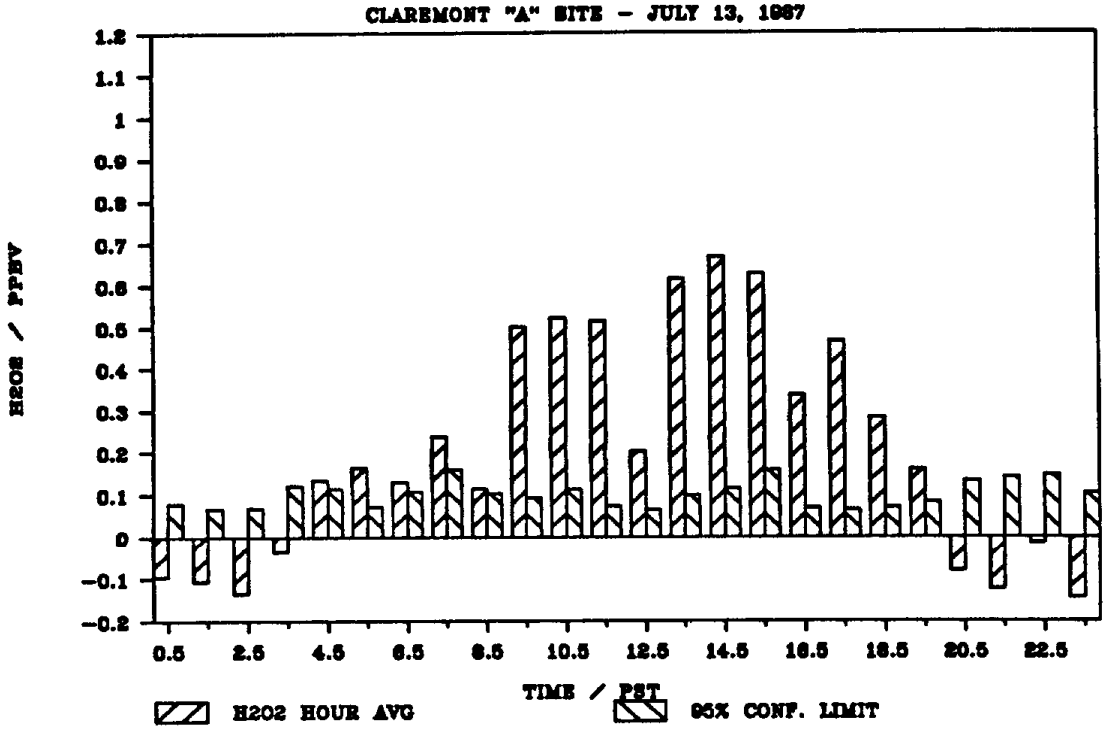

SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 12, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

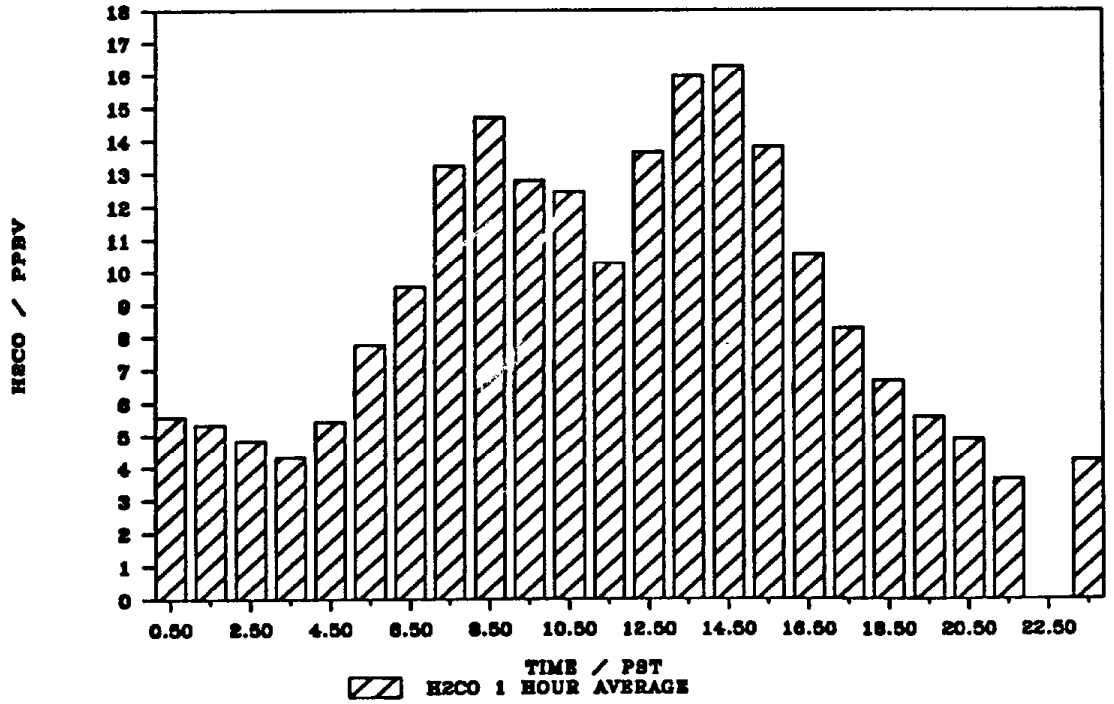
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 11, 1987
JULIAN DATE: 192

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.016	0.101	0.036		
1.5	-0.038	0.104	-0.083		
2.5	-0.245	0.104	-0.479		
3.5	-0.025	0.074	-0.078		
4.5	-0.059	0.070	-0.190		
5.5	-0.297	0.130	-0.467		CALIBRATION 05:30 TO 06:53
6.5					
7.5	-0.125	0.069	-0.383		
8.5	-0.097	0.072	-0.297		
9.5	0.120	0.062	0.407		
10.5	-0.034	0.067	-0.115		
11.5	0.021	0.068	0.072		
12.5	0.265	0.047	0.795		
13.5	0.198	0.063	0.586		
14.5	0.530	0.045	0.938		
15.5	0.504	0.082	0.818		
16.5	0.249	0.069	0.640		
17.5	0.251	0.073	0.622		
18.5	0.098	0.072	0.300		
19.5	0.250	0.050	0.758		
20.5	0.308	0.073	0.698		
21.5	0.293	0.058	0.757		
22.5	0.048	0.062	0.177		
23.5	0.162	0.107	0.329		

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE - JULY 13, 1987



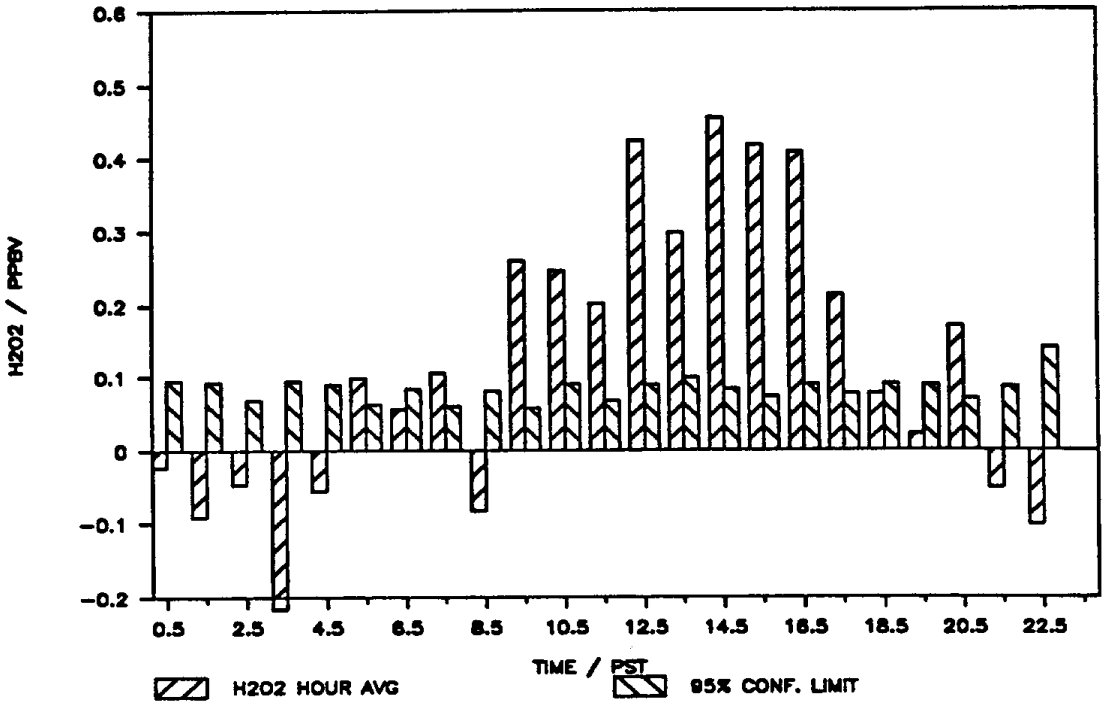


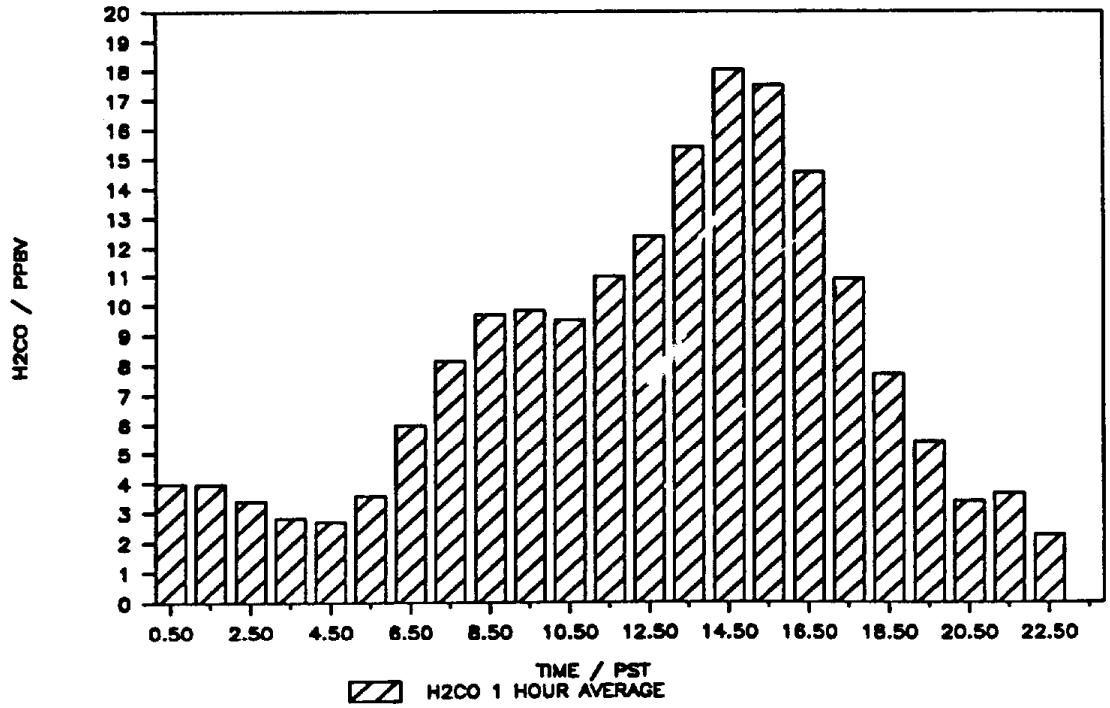
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 12, 1987
JULIAN DATE: 193

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.194	0.071	0.535		
1.5	-0.269	0.082	-0.603		
2.5	0.073	0.056	0.288		
3.5	-0.279	0.079	-0.630		
4.5	0.021	0.066	0.074		
5.5	0.045	0.095	0.109		CALIBRATION
6.5	-0.017	0.101	-0.039		05:45 TO 06:24
7.5	-0.091	0.065	-0.305		
8.5	0.114	0.066	0.368		
9.5	0.410	0.062	0.835		
10.5	0.149	0.086	0.370		
11.5	0.204	0.075	0.533		
12.5	0.310	0.089	0.625		
13.5	0.754	0.084	0.900		
14.5	0.671	0.079	0.892		
15.5	0.643	0.085	0.867		
16.5	0.259	0.044	0.802		
17.5	0.487	0.070	0.848		
18.5	-0.086	0.065	-0.291		
19.5					SETUP FOR H2CO
20.5					AT 19:52
21.5					
22.5					CALIBRATION
23.5					AT 22:20

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 14, 1987



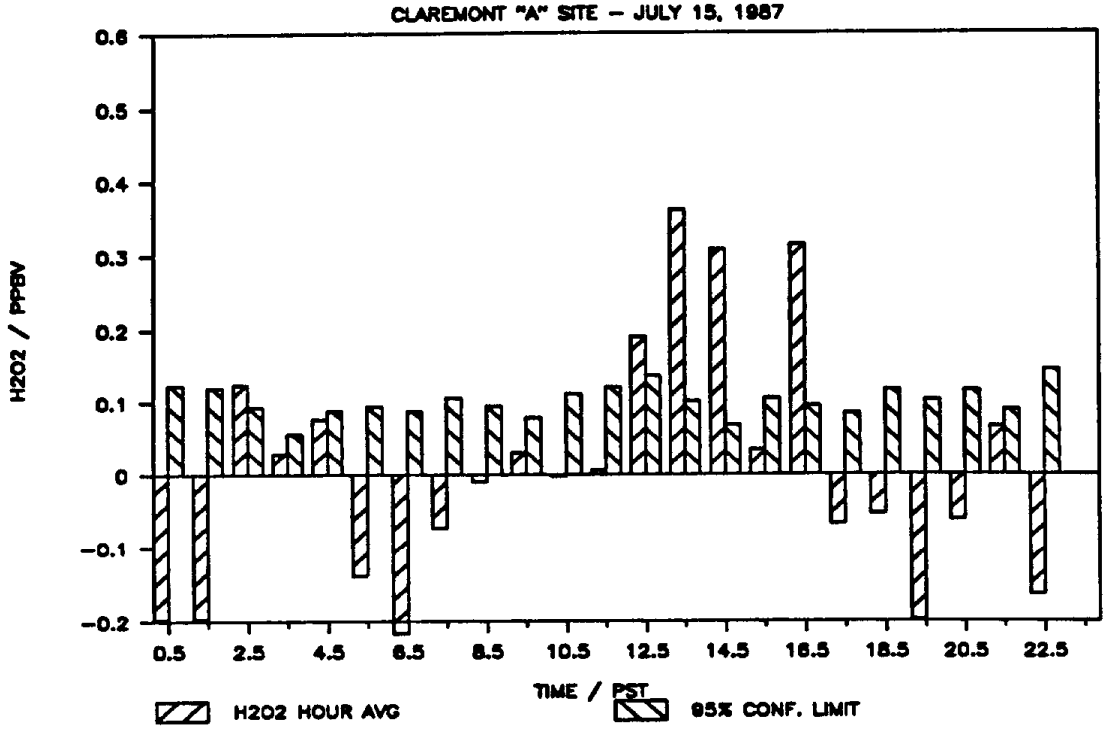


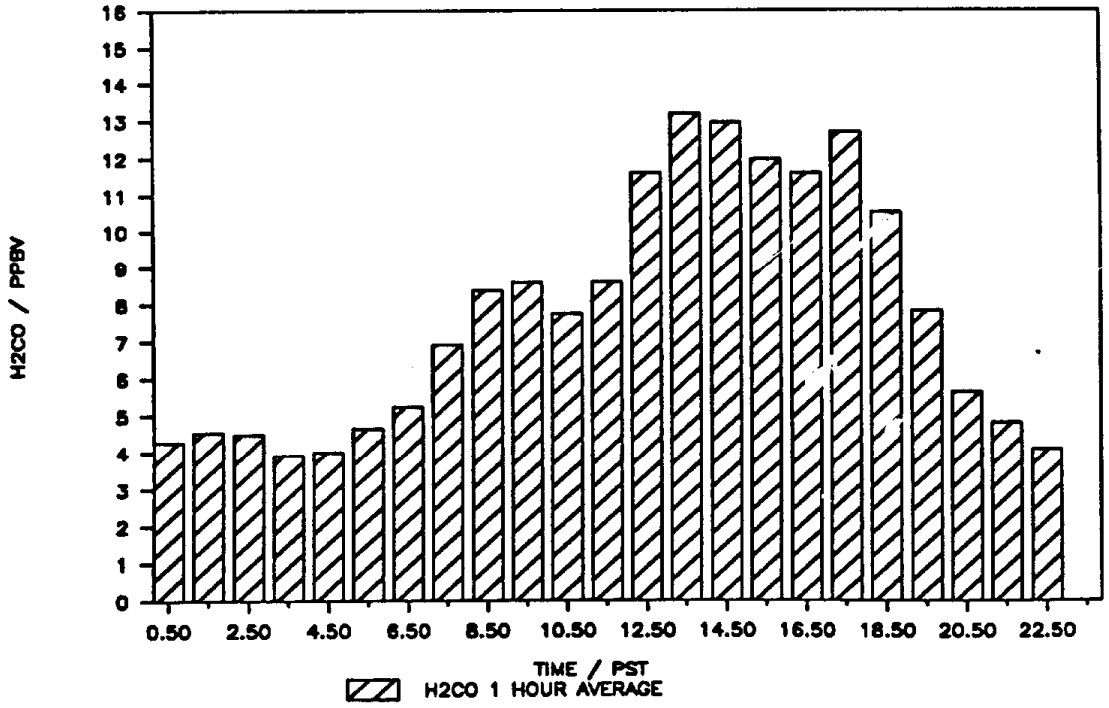
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: JULY 13, 1987
JULIAN DATE: 194

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.096	0.079	-0.384	5.559	
1.5	-0.106	0.068	-0.478	5.340	
2.5	-0.134	0.070	-0.550	4.835	
3.5	-0.035	0.121	-0.098	4.320	
4.5	0.134	0.115	0.373	5.434	
5.5	0.164	0.073	0.613	7.747	
6.5	0.130	0.108	0.384	9.554	
7.5	0.237	0.160	0.455	13.236	
8.5	0.114	0.103	0.357	14.708	
9.5	0.501	0.093	0.880	12.789	
10.5	0.522	0.113	0.847	12.441	
11.5	0.515	0.074	0.922	10.274	
12.5	0.202	0.066	0.724	13.640	
13.5	0.615	0.099	0.906	15.962	
14.5	0.669	0.115	0.896	16.289	
15.5	0.629	0.159	0.807	13.799	
16.5	0.337	0.069	0.860	10.543	
17.5	0.468	0.065	0.928	8.265	
18.5	0.283	0.071	0.808	6.671	
19.5	0.160	0.084	0.548	5.570	
20.5	-0.081	0.133	-0.207	4.892	
21.5	-0.125	0.141	-0.292	3.630	
22.5	-0.013	0.148	-0.031		CALIBRATION
23.5	-0.144	0.105	-0.430	4.220	22:08 TO 22:43

SOUTHERN CALIFORNIA AIR QUALITY STUDY

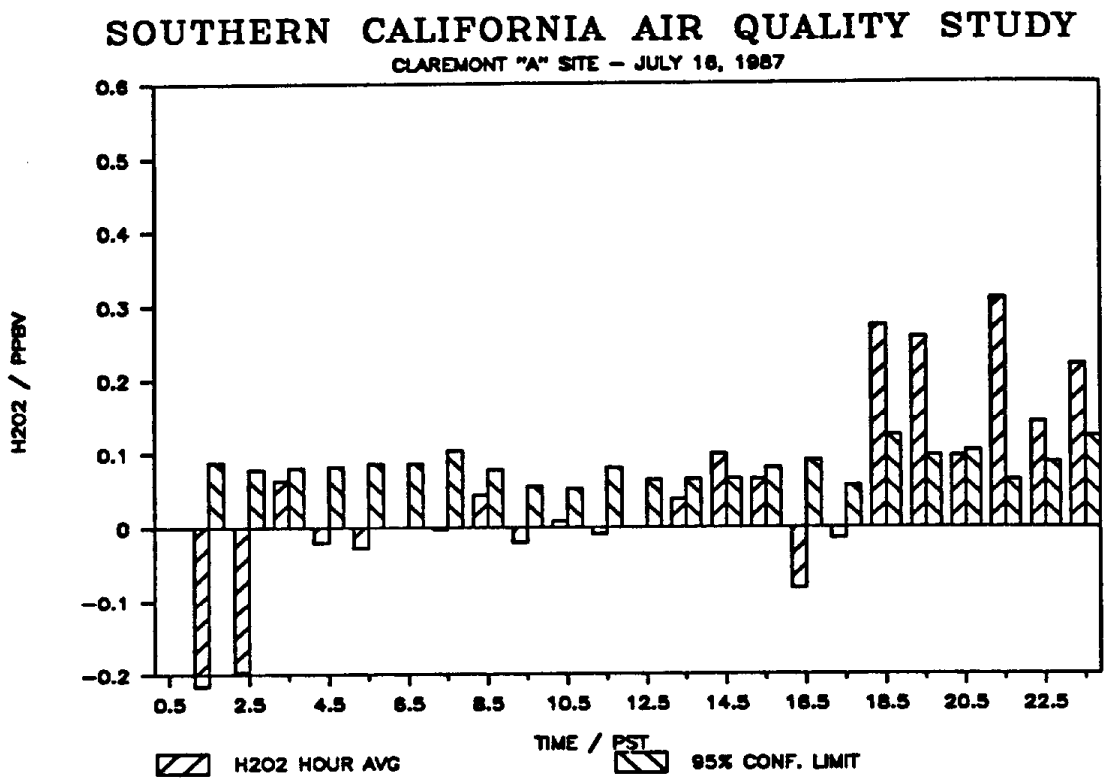
CLAREMONT "A" SITE – JULY 15, 1987





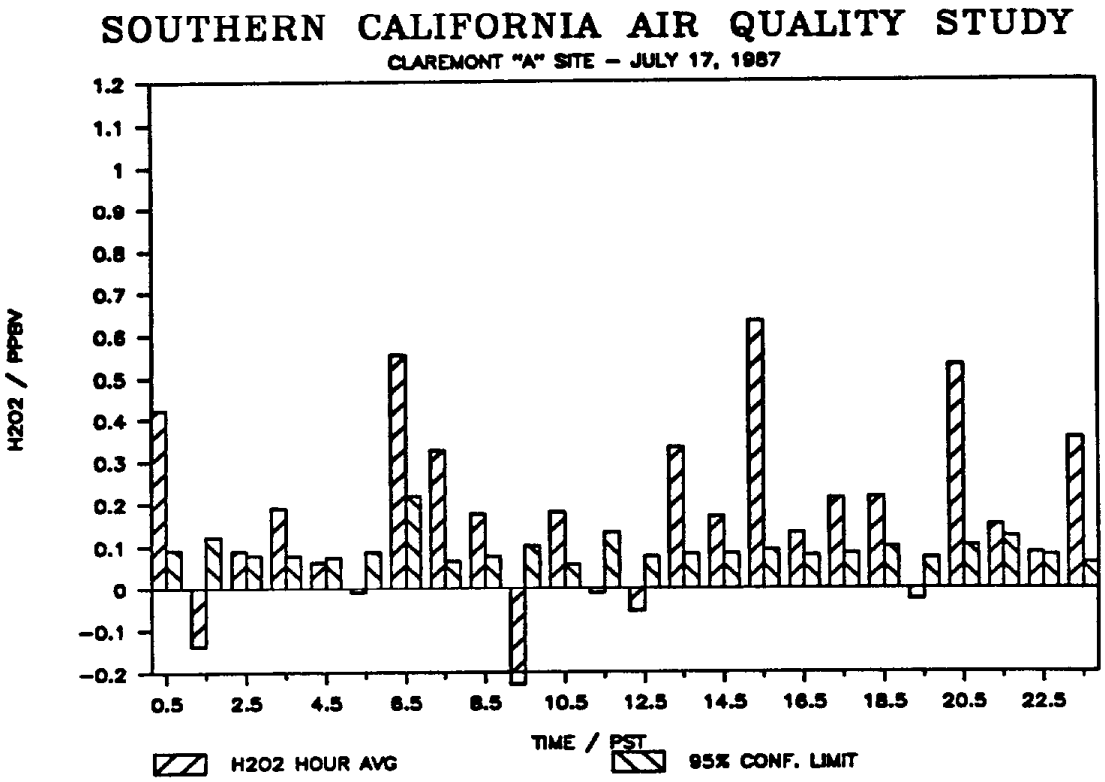
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: JULY 14, 1987
JULIAN DATE: 195

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.023	0.095	-0.077	3.963	
1.5	-0.091	0.092	-0.304	3.942	
2.5	-0.046	0.068	-0.212	3.372	
3.5	-0.259	0.094	-0.663	2.802	
4.5	-0.055	0.089	-0.191	2.681	
5.5	0.098	0.062	0.451	3.555	
6.5	0.056	0.083	0.213	5.962	REPLACE FILTER
7.5	0.105	0.060	0.490	8.136	07:00 TO 07:20
8.5	-0.081	0.081	-0.304	9.680	
9.5	0.260	0.057	0.826	9.827	
10.5	0.247	0.090	0.660	9.496	
11.5	0.203	0.067	0.695	10.984	
12.5	0.423	0.089	0.835	12.376	
13.5	0.298	0.099	0.696	15.381	
14.5	0.456	0.083	0.869	18.007	
15.5	0.418	0.073	0.878	17.484	
16.5	0.408	0.089	0.827	14.527	
17.5	0.214	0.077	0.667	10.895	
18.5	0.077	0.090	0.265	7.711	
19.5	0.022	0.088	0.078	5.413	
20.5	0.170	0.069	0.623	3.396	
21.5	-0.051	0.086	-0.185	3.655	
22.5	-0.101	0.140	-0.226	2.272	CALIBRATION
23.5					22:35 TO 00:01


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 16, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

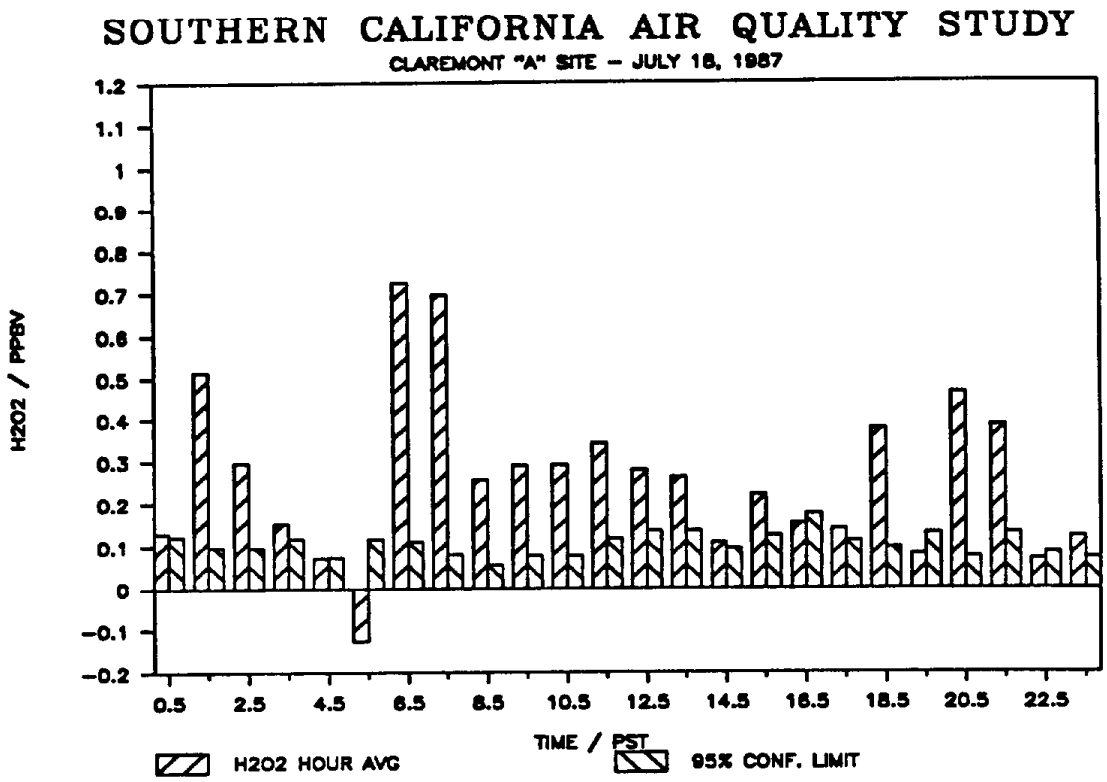
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: JULY 15, 1987
JULIAN DATE: 196

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.197	0.123	-0.453	4.284	
1.5	-0.197	0.120	-0.462	4.549	
2.5	0.124	0.093	0.387	4.507	
3.5	0.028	0.056	0.157	3.918	
4.5	0.076	0.088	0.267	4.001	
5.5	-0.138	0.094	-0.422	4.651	H2CO CALIBRATION
6.5	-0.269	0.087	-0.700	5.234	05:50 TO 06:09
7.5	-0.073	0.106	-0.214	6.900	
8.5	-0.009	0.095	-0.031	8.380	
9.5	0.030	0.078	0.119	8.585	
10.5	-0.002	0.112	-0.006	7.747	
11.5	0.006	0.121	0.016	8.611	
12.5	0.191	0.136	0.407	11.594	
13.5	0.362	0.101	0.751	13.194	
14.5	0.308	0.068	0.819	12.962	
15.5	0.034	0.105	0.102	11.973	
16.5	0.314	0.095	0.723	11.599	
17.5	-0.067	0.084	-0.245	12.703	
18.5	-0.053	0.117	-0.141	10.535	
19.5	-0.197	0.102	-0.521	7.830	
20.5	-0.061	0.116	-0.165	5.641	
21.5	0.066	0.089	0.228	4.809	
22.5	-0.163	0.144	-0.339	4.092	CALIBRATION
23.5					23:07 TO 00:44


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 17, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

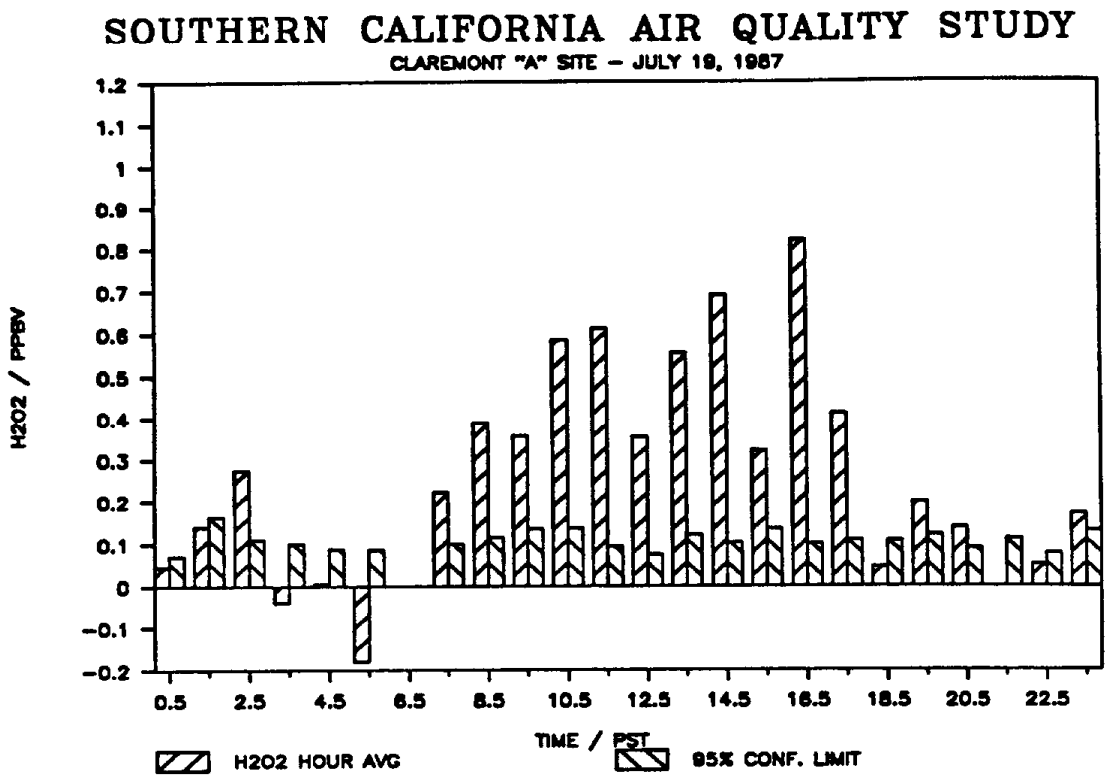
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 16, 1987
JULIAN DATE: 197

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5					CALIBRATION TO 00:44
1.5	-0.217	0.087	-0.498		
2.5	-0.196	0.078	-0.502		
3.5	0.063	0.080	0.178		
4.5	-0.020	0.082	-0.057		
5.5	-0.028	0.085	-0.074		
6.5	0.001	0.086	0.002		
7.5	-0.003	0.104	-0.006		
8.5	0.043	0.077	0.129		
9.5	-0.020	0.055	-0.082		
10.5	0.008	0.052	0.037		
11.5	-0.009	0.081	-0.026		
12.5	-0.001	0.064	-0.002		
13.5	0.038	0.064	0.136		
14.5	0.099	0.066	0.328		
15.5	0.065	0.080	0.183		
16.5	-0.082	0.090	-0.206		
17.5	-0.015	0.056	-0.061		
18.5	0.273	0.124	0.453		
19.5	0.257	0.096	0.524		
20.5	0.095	0.102	0.209		
21.5	0.310	0.063	0.749		
22.5	0.142	0.088	0.319		
23.5	0.220	0.122	0.384		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 18, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

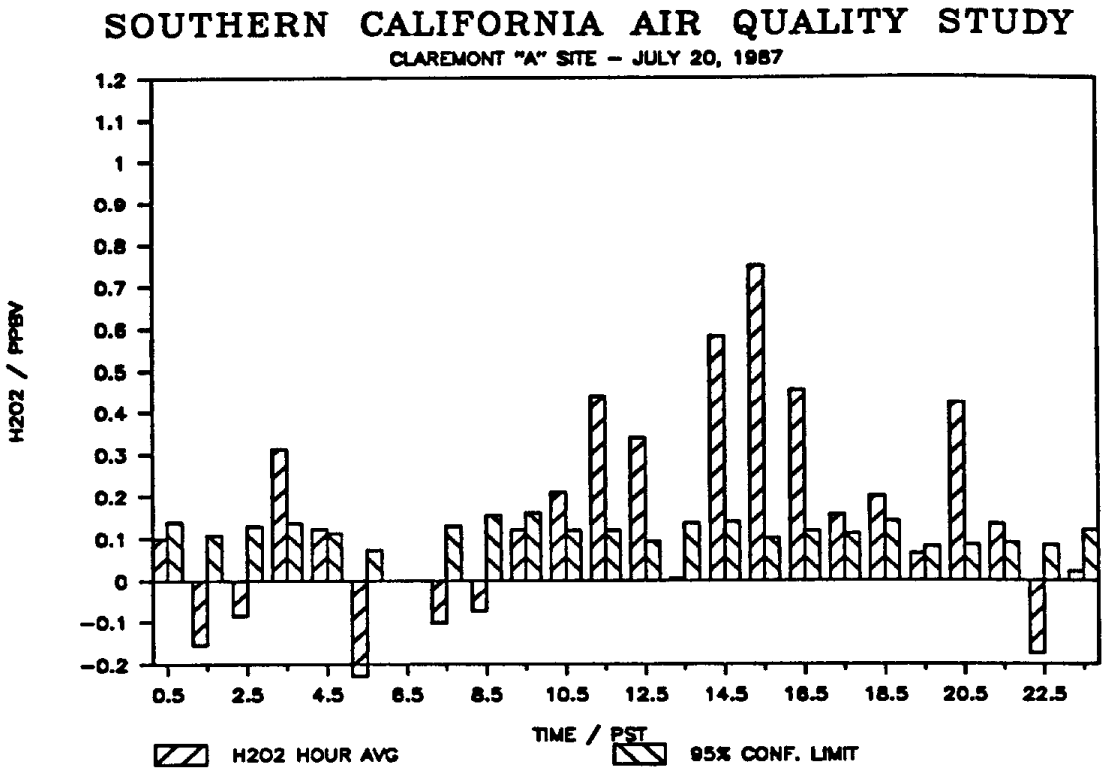
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 17, 1987
JULIAN DATE: 198

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.421	0.092	0.726		
1.5	-0.138	0.123	-0.251		
2.5	0.089	0.080	0.246		
3.5	0.190	0.077	0.492		
4.5	0.063	0.074	0.192		
5.5	-0.011	0.087	-0.028		CALIBRATE
6.5	0.554	0.218	0.505		05:48 TO 06:47
7.5	0.326	0.066	0.751		
8.5	0.176	0.077	0.467		
9.5	-0.229	0.101	-0.462		
10.5	0.180	0.057	0.589		
11.5	-0.013	0.131	-0.023		
12.5	-0.055	0.076	-0.167		
13.5	0.331	0.081	0.686		
14.5	0.169	0.082	0.431		
15.5	0.632	0.090	0.851		
16.5	0.130	0.078	0.357		
17.5	0.211	0.083	0.508		
18.5	0.213	0.098	0.447		
19.5	-0.028	0.071	-0.092		
20.5	0.527	0.101	0.769		
21.5	0.148	0.121	0.271		
22.5	0.084	0.078	0.242		
23.5	0.355	0.060	0.807		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 19, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

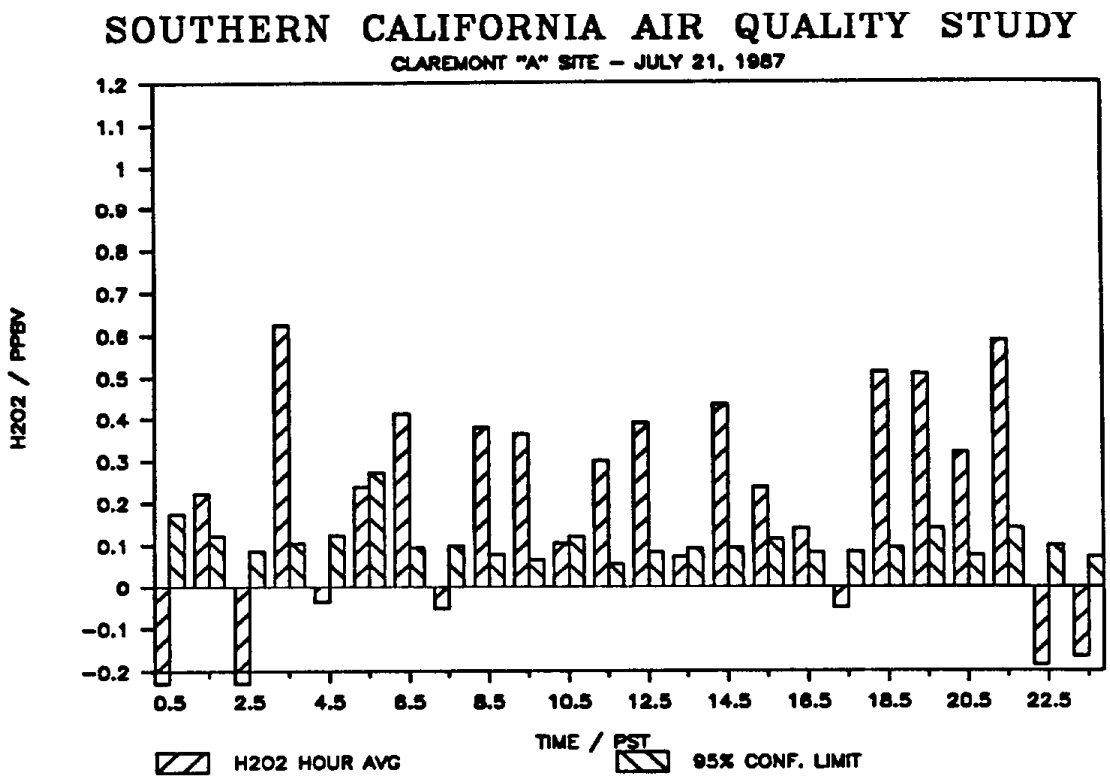
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 18, 1987
JULIAN DATE: 199

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.130	0.121	0.240		
1.5	0.514	0.098	0.770		
2.5	0.295	0.096	0.579		
3.5	0.153	0.118	0.287		
4.5	0.072	0.073	0.221		
5.5	-0.126	0.116	-0.244		CALIBRATION
6.5	0.726	0.110	0.836		05:36 TO 06:38
7.5	0.697	0.081	0.893		
8.5	0.256	0.055	0.734		
9.5	0.290	0.079	0.648		
10.5	0.291	0.078	0.652		
11.5	0.343	0.118	0.558		
12.5	0.278	0.135	0.429		
13.5	0.262	0.135	0.409		
14.5	0.108	0.093	0.259		
15.5	0.221	0.124	0.380		
16.5	0.153	0.175	0.198		
17.5	0.141	0.111	0.280		
18.5	0.377	0.097	0.668		
19.5	0.080	0.130	0.141		
20.5	0.464	0.075	0.819		
21.5	0.385	0.132	0.557		
22.5	0.070	0.086	0.185		
23.5	0.121	0.072	0.360		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 20, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

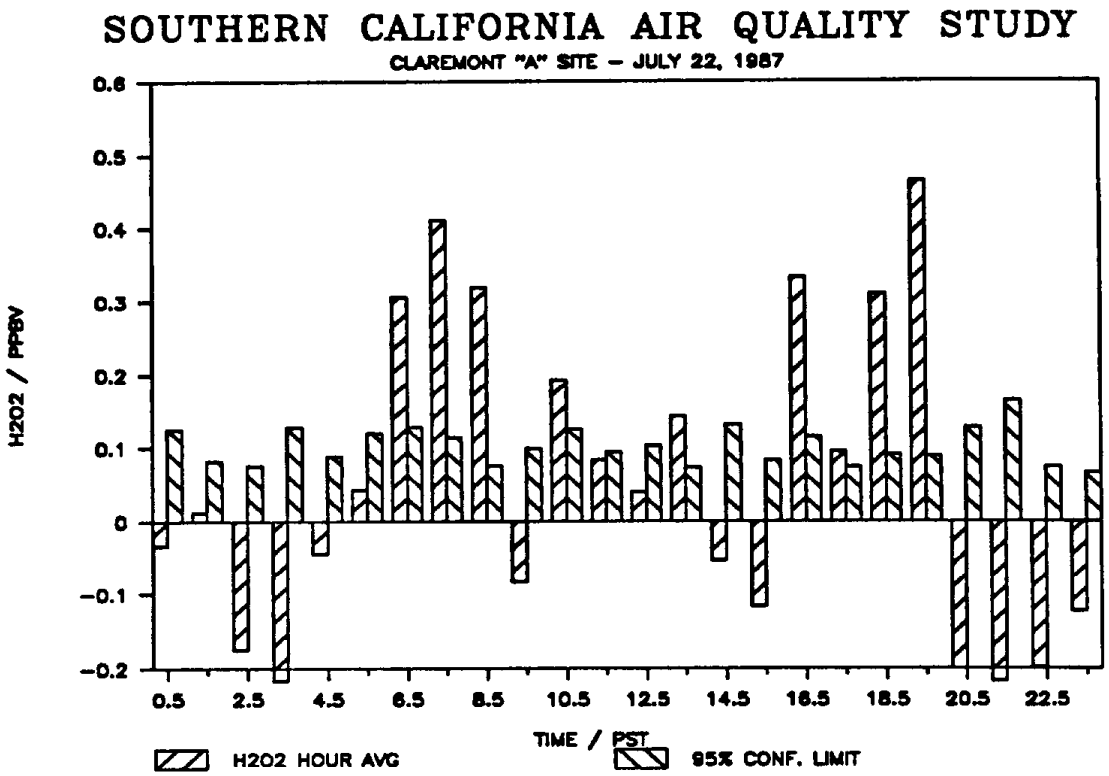
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 19, 1987
JULIAN DATE: 200

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.046	0.071	0.147		
1.5	0.140	0.165	0.193		
2.5	0.274	0.110	0.499		
3.5	-0.038	0.100	-0.086		
4.5	0.006	0.088	0.016		
5.5	-0.179	0.086	-0.432		CALIBRATION 06:10 TO 06:49
6.5					
7.5	0.223	0.100	0.458		
8.5	0.390	0.116	0.611		
9.5	0.356	0.135	0.519		
10.5	0.586	0.137	0.701		
11.5	0.613	0.095	0.830		
12.5	0.353	0.075	0.735		
13.5	0.555	0.121	0.727		
14.5	0.690	0.104	0.838		
15.5	0.322	0.137	0.476		
16.5	0.820	0.101	0.883		
17.5	0.411	0.109	0.656		
18.5	0.045	0.10.	0.097		
19.5	0.198	0.122	0.350		
20.5	0.138	0.089	0.336		
21.5	-0.001	0.112	-0.001		
22.5	0.051	0.079	0.146		
23.5	0.171	0.132	0.287		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 21, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

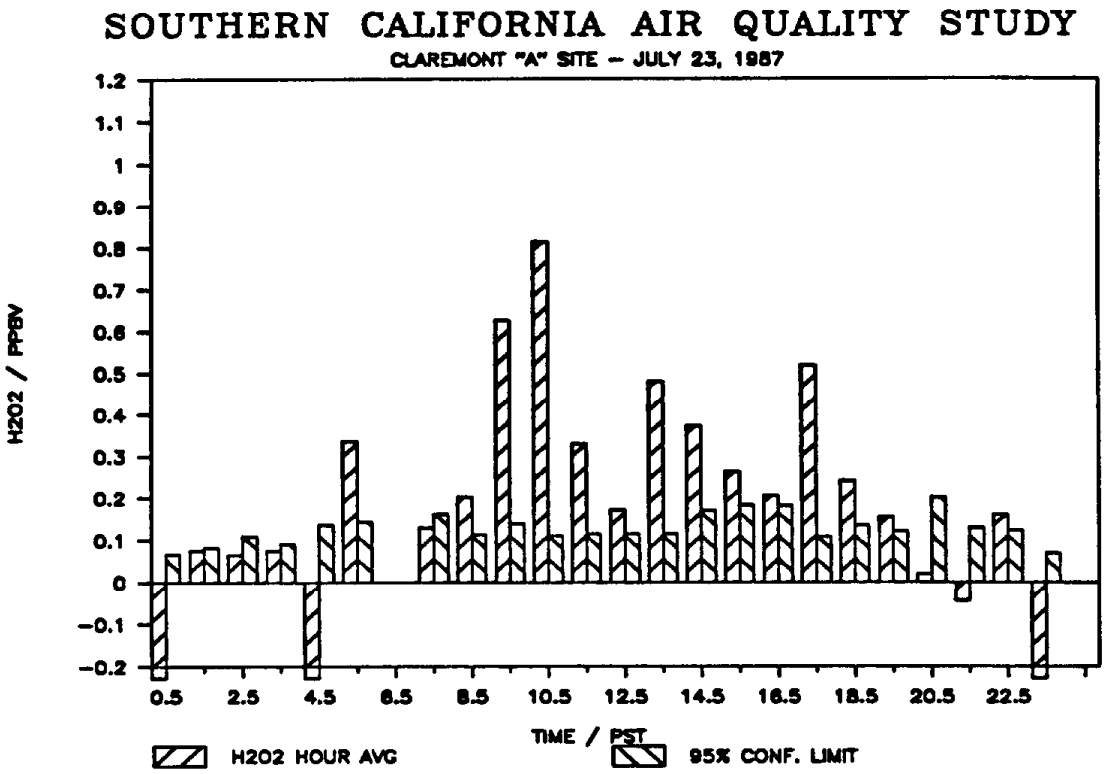
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 20, 1987
JULIAN DATE: 201

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.099	0.139	0.162		
1.5	-0.155	0.107	-0.316		
2.5	-0.085	0.128	-0.151		
3.5	0.313	0.135	0.470		
4.5	0.121	0.111	0.244		
5.5	-0.293	0.073	-0.678		
6.5					CALIBRATION
7.5	-0.102	0.129	-0.179		06:12 TO 07:01
8.5	-0.074	0.154	-0.111		
9.5	0.120	0.160	0.171		
10.5	0.210	0.118	0.378		
11.5	0.440	0.120	0.647		
12.5	0.339	0.092	0.649		
13.5	0.006	0.136	0.010		
14.5	0.582	0.139	0.695		
15.5	0.750	0.100	0.867		
16.5	0.454	0.117	0.667		
17.5	0.156	0.111	0.308		
18.5	0.199	0.140	0.311		
19.5	0.063	0.080	0.179		
20.5	0.421	0.085	0.751		
21.5	0.133	0.089	0.325		
22.5	-0.174	0.083	-0.433		
23.5	0.021	0.119	0.040		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 22, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

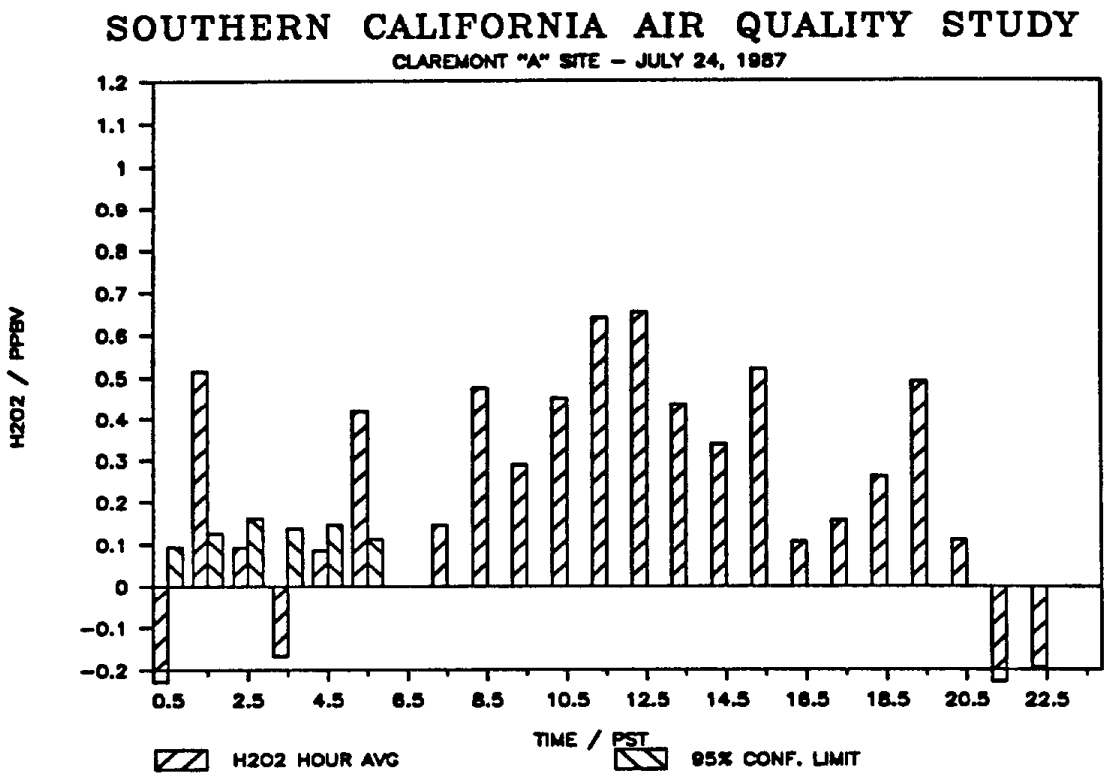
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 21, 1987
JULIAN DATE: 202

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.315	0.173	-0.387		
1.5	0.222	0.122	0.386		
2.5	-0.223	0.086	-0.513		
3.5	0.623	0.105	0.807		
4.5	-0.036	0.123	-0.068		
5.5	0.238	0.272	0.198		CALIBRATION
6.5	0.412	0.095	0.707		05:42 TO 06:06
7.5	-0.053	0.098	-0.122		
8.5	0.379	0.078	0.744		
9.5	0.364	0.065	0.791		
10.5	0.105	0.120	0.198		
11.5	0.299	0.055	0.783		
12.5	0.389	0.083	0.732		
13.5	0.073	0.092	0.181		
14.5	0.433	0.094	0.727		
15.5	0.237	0.113	0.436		
16.5	0.139	0.082	0.365		
17.5	-0.051	0.084	-0.139		
18.5	0.512	0.092	0.787		
19.5	0.507	0.138	0.645		
20.5	0.318	0.074	0.702		
21.5	0.586	0.140	0.695		
22.5	-0.185	0.099	-0.395		
23.5	-0.166	0.070	-0.478		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 23, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

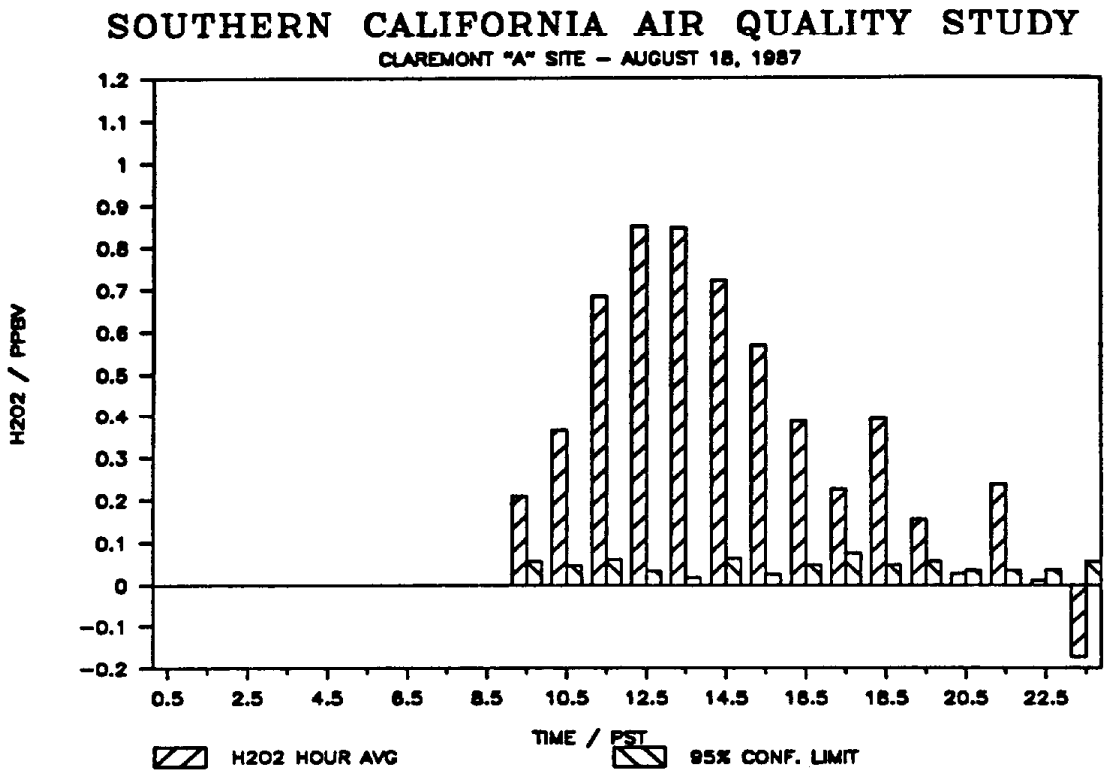
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 22, 1987
JULIAN DATE: 203

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.033	0.125	-0.061		
1.5	0.013	0.081	0.036		
2.5	-0.174	0.075	-0.472		
3.5	-0.235	0.128	-0.390		
4.5	-0.045	0.088	-0.116		
5.5	0.043	0.120	0.083		
6.5	0.306	0.128	0.482		CALIBRATION
7.5	0.410	0.114	0.640		06:19 TO 07:01
8.5	0.319	0.076	0.697		
9.5	-0.083	0.098	-0.192		
10.5	0.192	0.126	0.333		
11.5	0.084	0.093	0.202		
12.5	0.040	0.103	0.090		
13.5	0.142	0.073	0.410		
14.5	-0.053	0.131	-0.093		
15.5	-0.116	0.082	-0.309		
16.5	0.332	0.114	0.556		
17.5	0.095	0.073	0.286		
18.5	0.310	0.090	0 621		
19.5	0.464	0.088	0.771		
20.5	-0.200	0.127	-0.341		
21.5	-0.204	0.164	-0.276		
22.5	-0.198	0.074	-0.527		
23.5	-0.123	0.065	-0.398		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 24, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

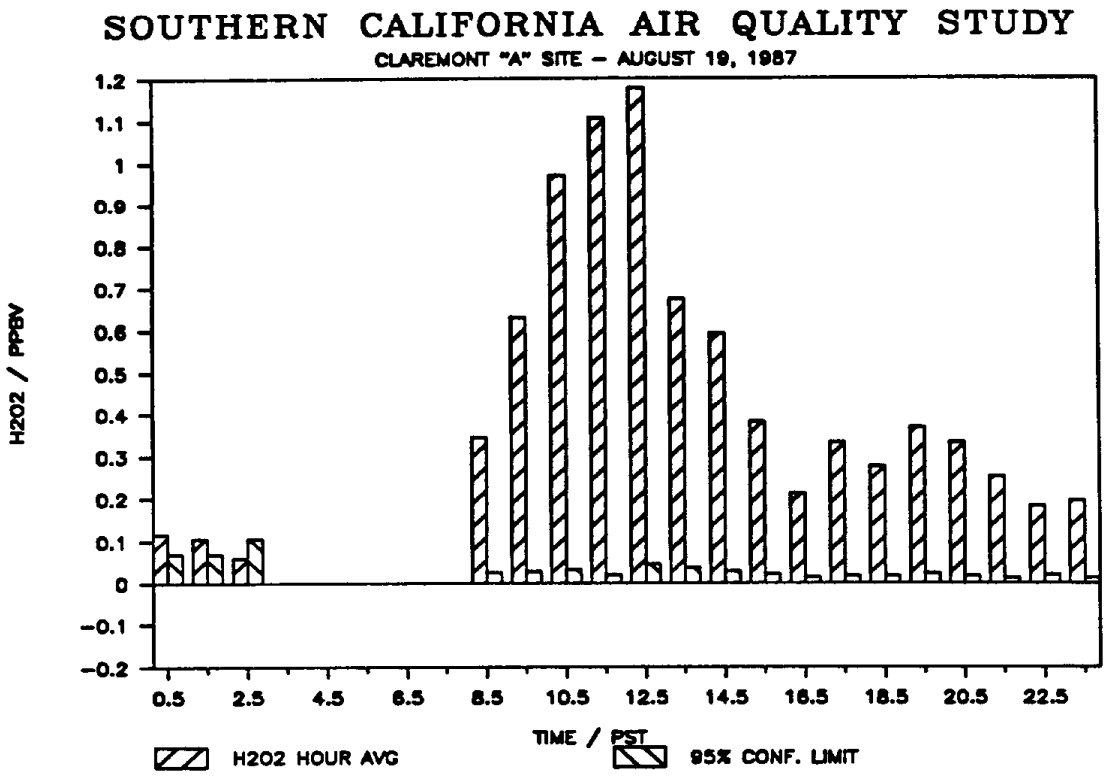
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 23, 1987
JULIAN DATE: 204

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.213	0.067	-0.591		
1.5	0.075	0.082	0.204		
2.5	0.065	0.109	0.136		
3.5	0.074	0.091	0.186		
4.5	-0.287	0.136	-0.436		
5.5	0.336	0.143	0.476		CALIBRATION 05:58 TO 07:01
6.5					
7.5	0.128	0.161	0.181		
8.5	0.202	0.113	0.381		
9.5	0.627	0.138	0.723		
10.5	0.815	0.111	0.861		
11.5	0.330	0.115	0.552		
12.5	0.172	0.115	0.326		
13.5	0.480	0.115	0.694		
14.5	0.373	0.169	0.452		
15.5	0.263	0.183	0.315		
16.5	0.206	0.181	0.254		
17.5	0.519	0.109	0.740		
18.5	0.241	0.135	0.382		
19.5	0.154	0.120	0.283		
20.5	0.020	0.200	0.023		
21.5	-0.044	0.129	-0.078		
22.5	0.160	0.123	0.287		
23.5	-0.336	0.070	-0.742		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – AUGUST 18, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

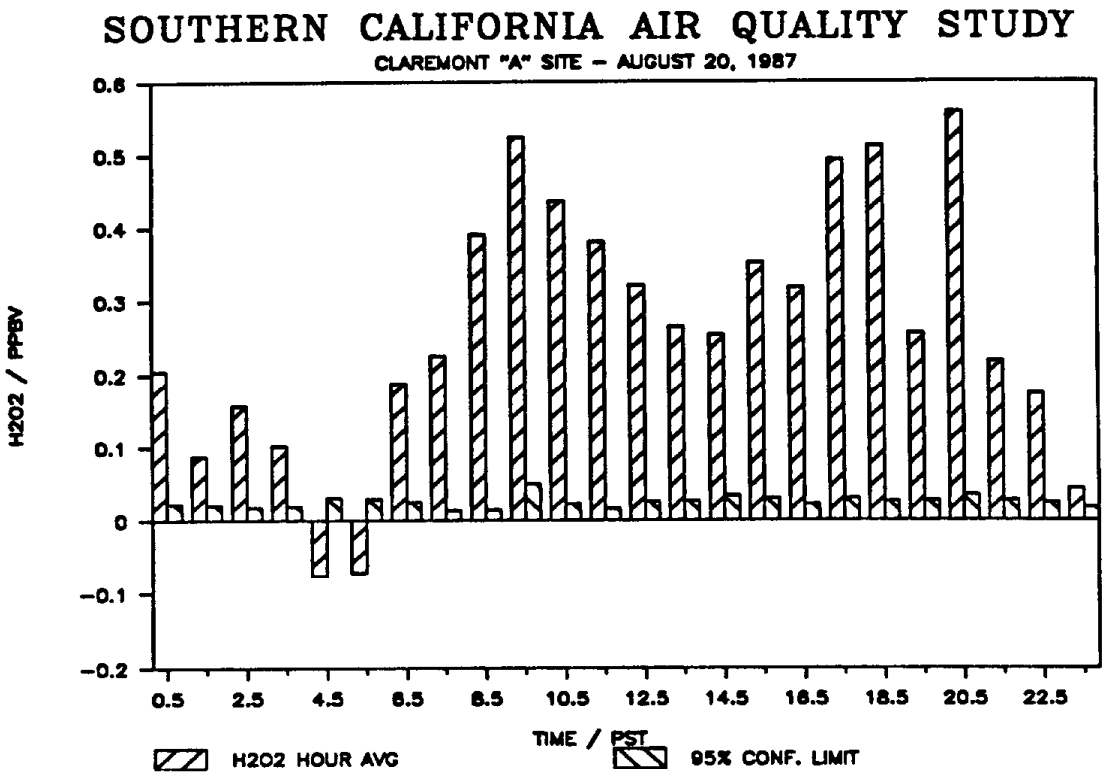
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 24, 1987
JULIAN DATE: 205

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.601	0.094	-0.827		
1.5	0.514	0.126	0.686		
2.5	0.092	0.161	0.130		
3.5	-0.168	0.138	-0.270		
4.5	0.085	0.145	0.134		
5.5	0.418	0.112	0.653		
6.5					CALIBRATION
7.5	-0.145				05:56 TO 06:41
8.5	0.476				
9.5	0.289				
10.5	0.452				DATA LOST BY
11.5	0.643				DISK FAILURE.
12.5	0.655				AVERAGES OF
13.5	0.436				1 MINUTE
14.5	0.338				SPECTRA.
15.5	0.520				
16.5	0.106				
17.5	0.156				
18.5	0.260				
19.5	0.492				
20.5	0.111				
21.5	-0.455				
22.5	-0.193				
23.5					


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – AUGUST 19, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: AUGUST 19, 1987
JULIAN DATE: 231

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.116	0.069	0.362		
1.5	0.106	0.069	0.334		
2.5	0.060	0.106	0.129		
3.5					DATA LOST
4.5					DISK FAILURE
5.5					
6.5					
7.5					CALIBRATION
8.5	0.345	0.026	0.950		AT 07:56
9.5	0.633	0.028	0.982		
10.5	0.971	0.032	0.990		
11.5	1.106	0.019	0.997		
12.5	1.178	0.046	0.986		
13.5	0.676	0.037	0.973		
14.5	0.595	0.029	0.979		
15.5	0.382	0.021	0.972		
16.5	0.212	0.014	0.961		
17.5	0.333	0.017	0.977		
18.5	0.277	0.017	0.968		
19.5	0.368	0.023	0.966		
20.5	0.333	0.017	0.976		
21.5	0.252	0.012	0.979		
22.5	0.182	0.019	0.908		
23.5	0.195	0.013	0.959		

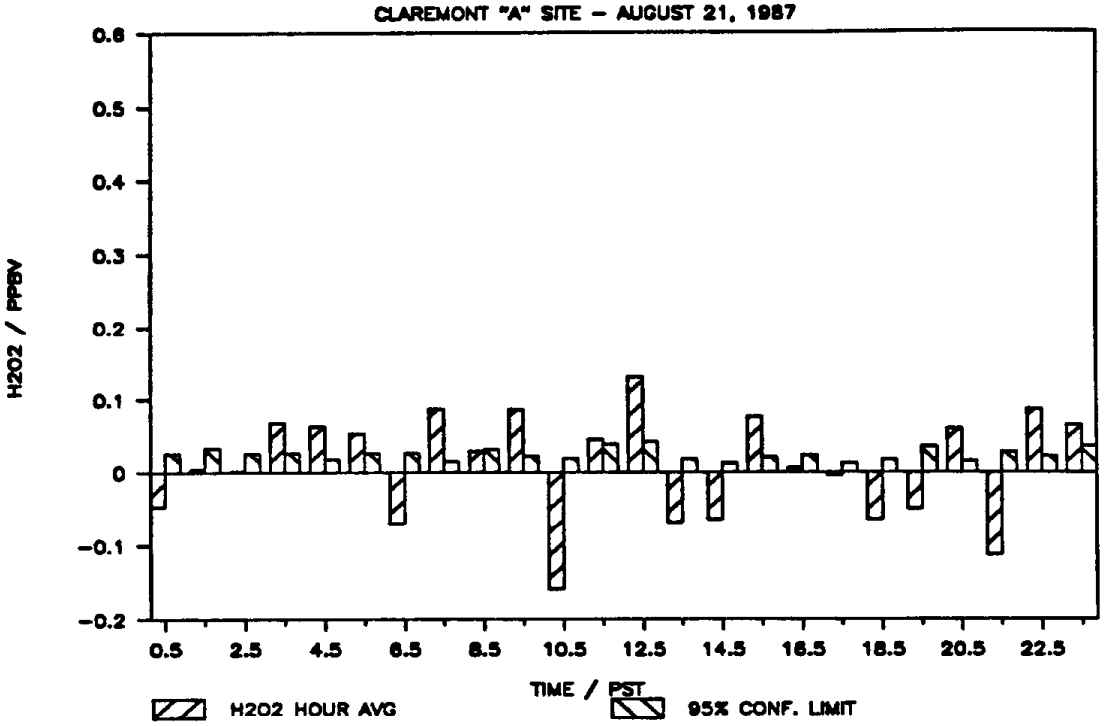

SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – AUGUST 20, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: AUGUST 20, 1987
JULIAN DATE: 232

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.204	0.023	0.898		
1.5	0.088	0.021	0.692		
2.5	0.157	0.018	0.899		
3.5	0.102	0.019	0.776		
4.5	-0.076	0.031	-0.495		
5.5	-0.071	0.029	-0.489		CALIBRATE
6.5	0.188	0.025	0.866		05:58 TO 06:28
7.5	0.226	0.014	0.966		
8.5	0.391	0.015	0.987		
9.5	0.525	0.050	0.924		
10.5	0.436	0.022	0.976		
11.5	0.381	0.016	0.983		
12.5	0.322	0.026	0.943		
13.5	0.266	0.027	0.917		
14.5	0.254	0.034	0.865		
15.5	0.353	0.030	0.940		
16.5	0.319	0.021	0.960		
17.5	0.494	0.030	0.968		
18.5	0.512	0.026	0.976		
19.5	0.256	0.027	0.910		
20.5	0.559	0.035	0.965		
21.5	0.218	0.027	0.879		
22.5	0.173	0.024	0.853		
23.5	0.044	0.018	0.489		

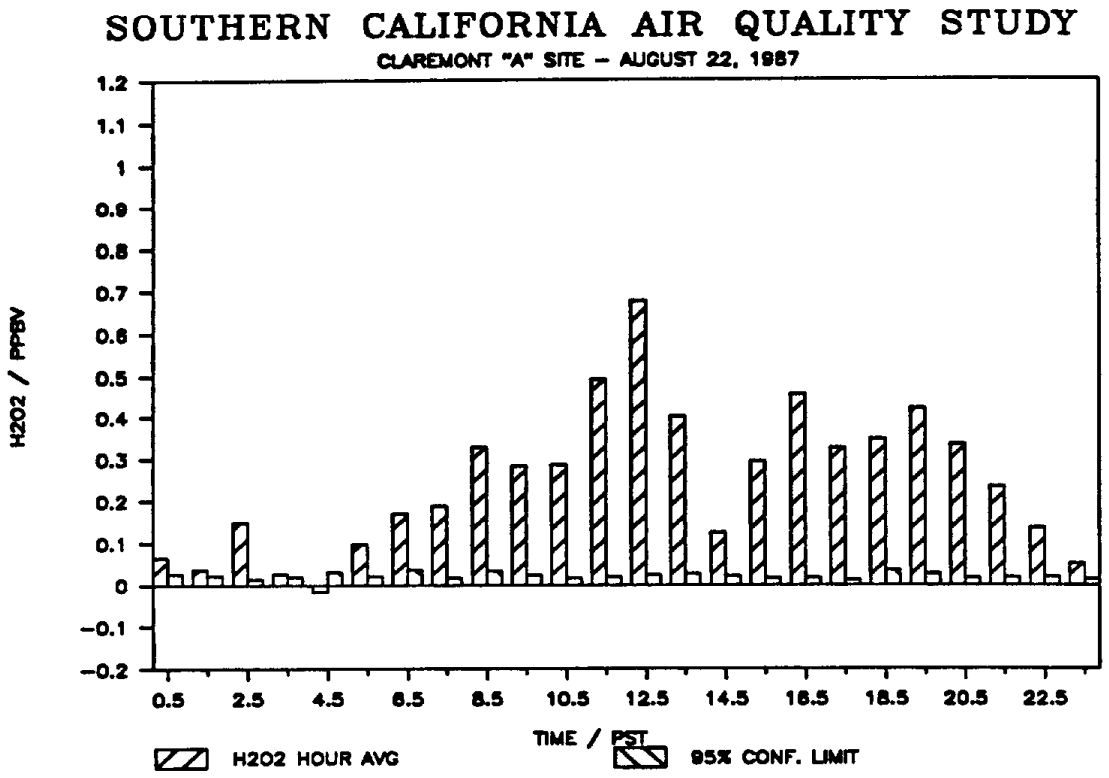
SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 21, 1987



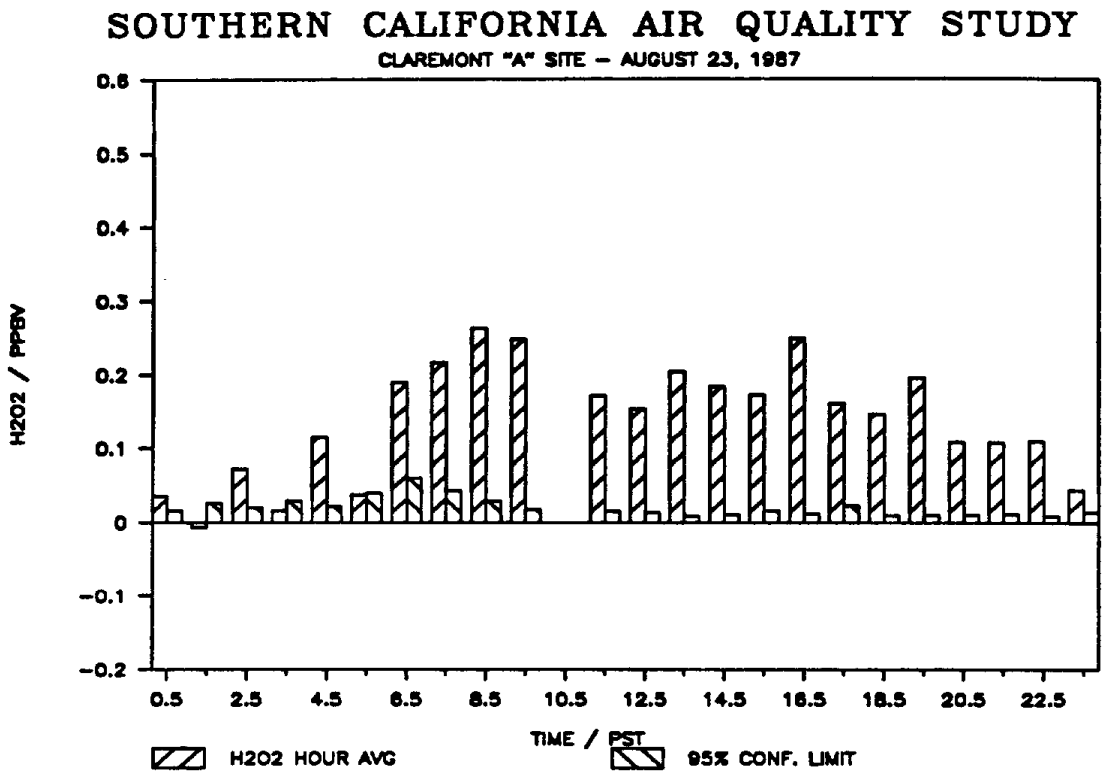
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: AUGUST 21, 1987
JULIAN DATE: 233

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.046	0.025	-0.393		
1.5	0.003	0.032	0.025		
2.5	0.002	0.025	0.015		
3.5	0.067	0.026	0.511		
4.5	0.062	0.017	0.638		
5.5	0.053	0.026	0.424		
6.5	-0.069	0.026	-0.526	CALIBRATE	
7.5	0.087	0.015	0.809	06:13 TO 06:51	
8.5	0.028	0.031	0.208		
9.5	0.086	0.021	0.679		
10.5	-0.158	0.019	-0.888		
11.5	0.044	0.038	0.261		
12.5	0.130	0.041	0.590		
13.5	-0.068	0.017	-0.670		
14.5	-0.064	0.012	-0.770		
15.5	0.075	0.021	0.640		
16.5	0.005	0.023	0.055		
17.5	-0.004	0.012	-0.083		
18.5	-0.064	0.017	-0.656		
19.5	-0.049	0.035	-0.309		
20.5	0.059	0.015	0.664		
21.5	-0.113	0.027	-0.690		
22.5	0.086	0.022	0.676		
23.5	0.064	0.036	0.381		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – AUGUST 22, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

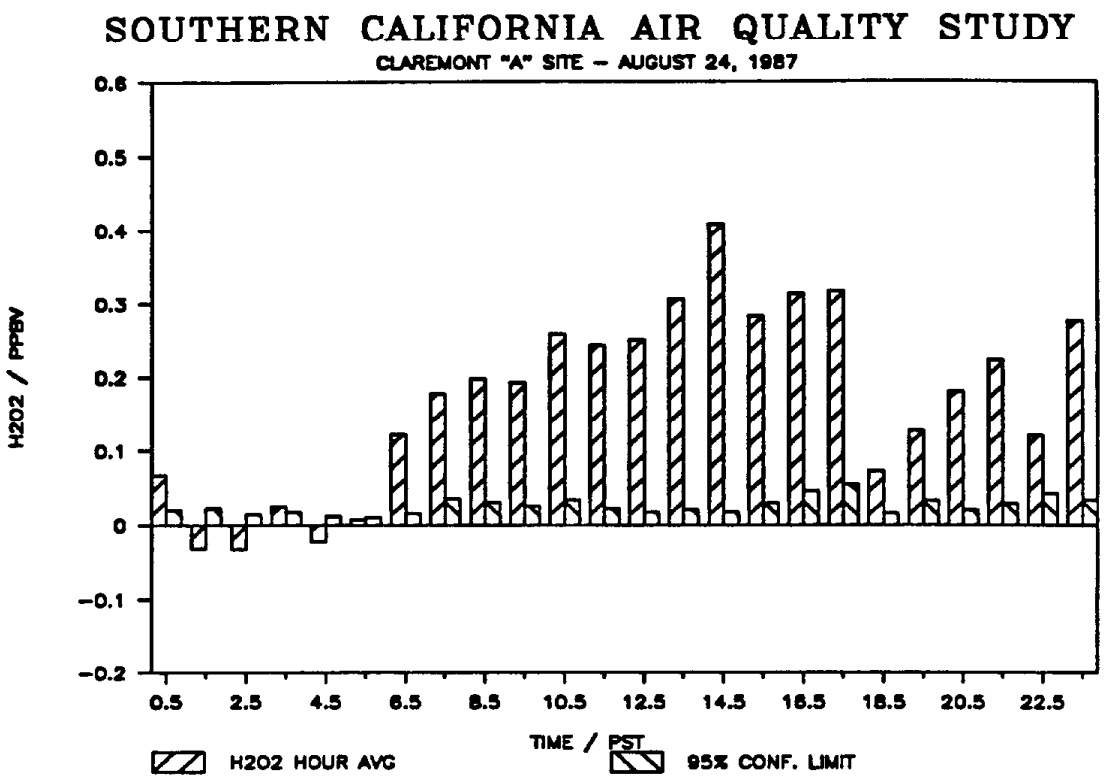
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: AUGUST 22, 1987
JULIAN DATE: 234

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.065	0.027	0.482		
1.5	0.036	0.023	0.345		
2.5	0.148	0.014	0.922		
3.5	0.027	0.020	0.294		
4.5	-0.018	0.031	-0.127		
5.5	0.097	0.021	0.727		CALIBRATION
6.5	0.170	0.037	0.727		06:00 TO 06:26
7.5	0.188	0.016	0.935		
8.5	0.328	0.034	0.914		
9.5	0.284	0.024	0.939		
10.5	0.285	0.017	0.967		
11.5	0.492	0.020	0.985		
12.5	0.678	0.024	0.989		
13.5	0.402	0.026	0.962		
14.5	0.125	0.021	0.803		
15.5	0.295	0.017	0.970		
16.5	0.456	0.016	0.988		
17.5	0.326	0.013	0.985		
18.5	0.346	0.035	0.914		
19.5	0.420	0.027	0.962		
20.5	0.334	0.017	0.977		
21.5	0.233	0.018	0.949		
22.5	0.137	0.020	0.839		
23.5	0.052	0.015	0.628		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – AUGUST 23, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: AUGUST 23, 1987
JULIAN DATE: 235

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.035	0.016	0.456		
1.5	-0.007	0.026	-0.060		
2.5	0.072	0.020	0.628		
3.5	0.016	0.029	0.124		
4.5	0.115	0.022	0.771		
5.5	0.037	0.040	0.209		CALIBRATION
6.5	0.190	0.060	0.588		05:55 TO 06:37
7.5	0.217	0.043	0.761		
8.5	0.264	0.029	0.904		
9.5	0.250	0.018	0.955		
10.5					DATA LOSS
11.5	0.172	0.015	0.932		
12.5	0.153	0.014	0.933		
13.5	0.205	0.009	0.982		
14.5	0.185	0.011	0.970		
15.5	0.173	0.016	0.926		
16.5	0.250	0.012	0.979		
17.5	0.160	0.022	0.855		
18.5	0.145	0.010	0.961		
19.5	0.196	0.011	0.972		
20.5	0.108	0.011	0.921		
21.5	0.108	0.011	0.908		
22.5	0.109	0.009	0.943		
23.5	0.044	0.013	0.598		

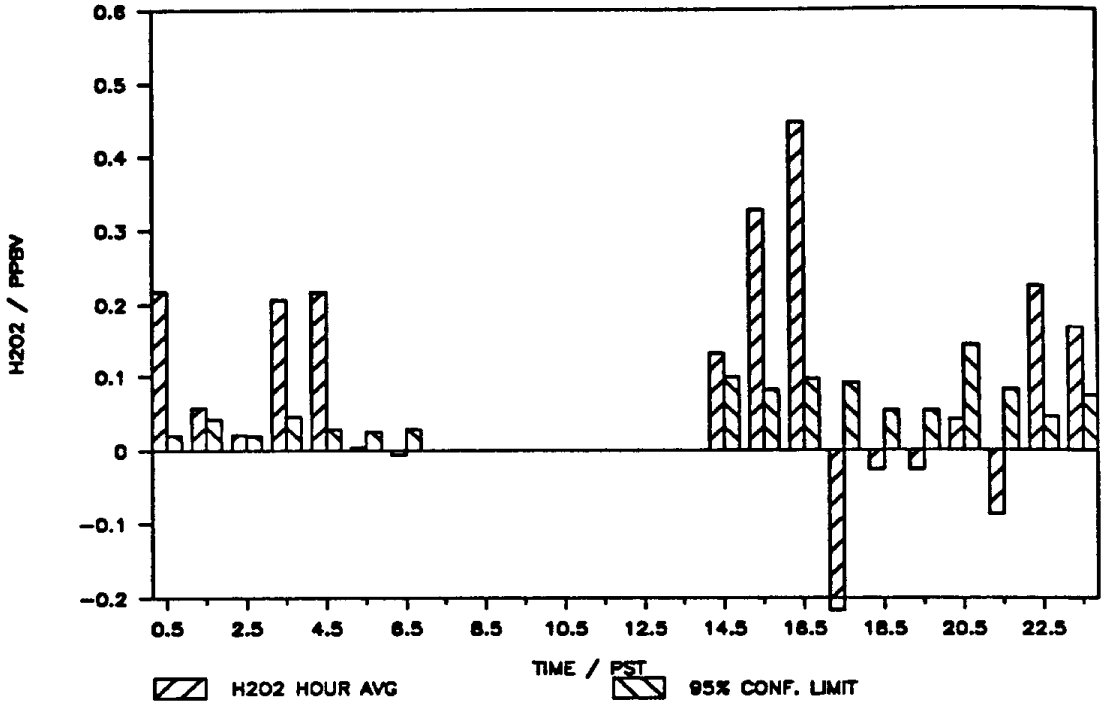

SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – AUGUST 24, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

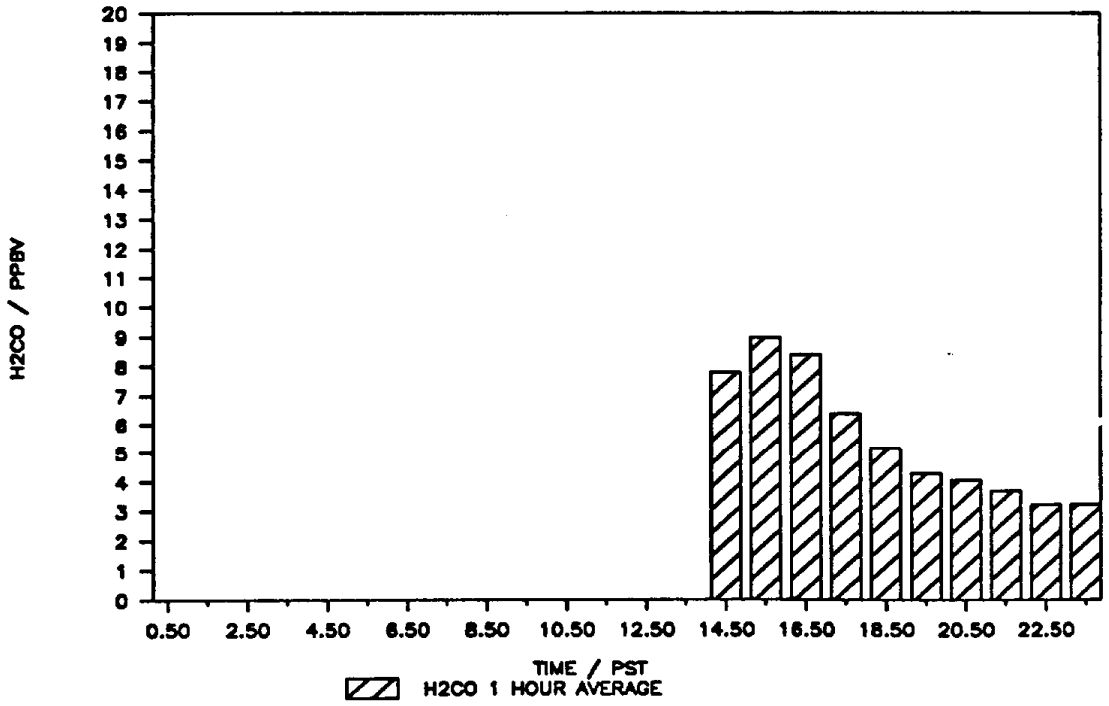
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: AUGUST 24, 1987
JULIAN DATE: 236

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.067	0.020	0.605		
1.5	-0.032	0.023	-0.307		
2.5	-0.033	0.014	-0.466		
3.5	0.025	0.018	0.307		
4.5	-0.022	0.012	-0.389		
5.5	0.007	0.011	0.148		
6.5	0.122	0.016	0.864		CALIBRATION
7.5	0.179	0.036	0.754		06:25 TO 07:04
8.5	0.198	0.031	0.827		
9.5	0.194	0.026	0.865		
10.5	0.259	0.034	0.870		
11.5	0.244	0.022	0.929		
12.5	0.250	0.017	0.957		
13.5	0.307	0.021	0.958		
14.5	0.409	0.018	0.983		
15.5	0.283	0.030	0.908		
16.5	0.314	0.046	0.844		
17.5	0.317	0.055	0.796		
18.5	0.073	0.016	0.733		
19.5	0.127	0.033	0.665		
20.5	0.181	0.020	0.901		
21.5	0.224	0.029	0.871		
22.5	0.121	0.043	0.546		
23.5	0.277	0.034	0.883		

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 25, 1987



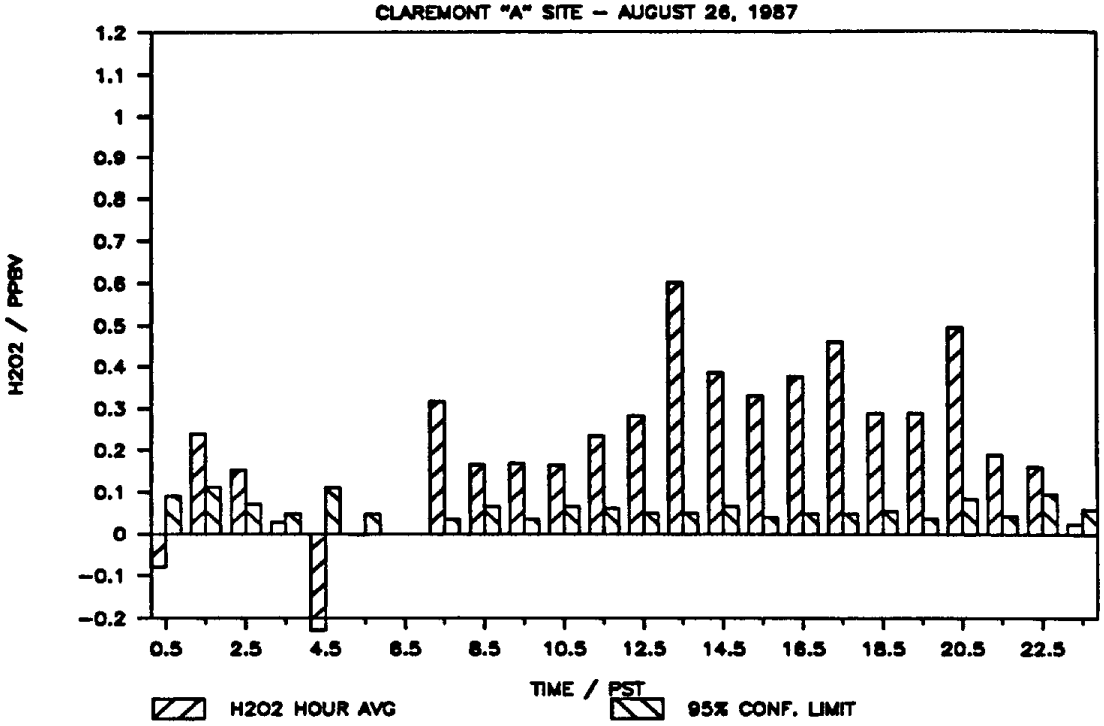


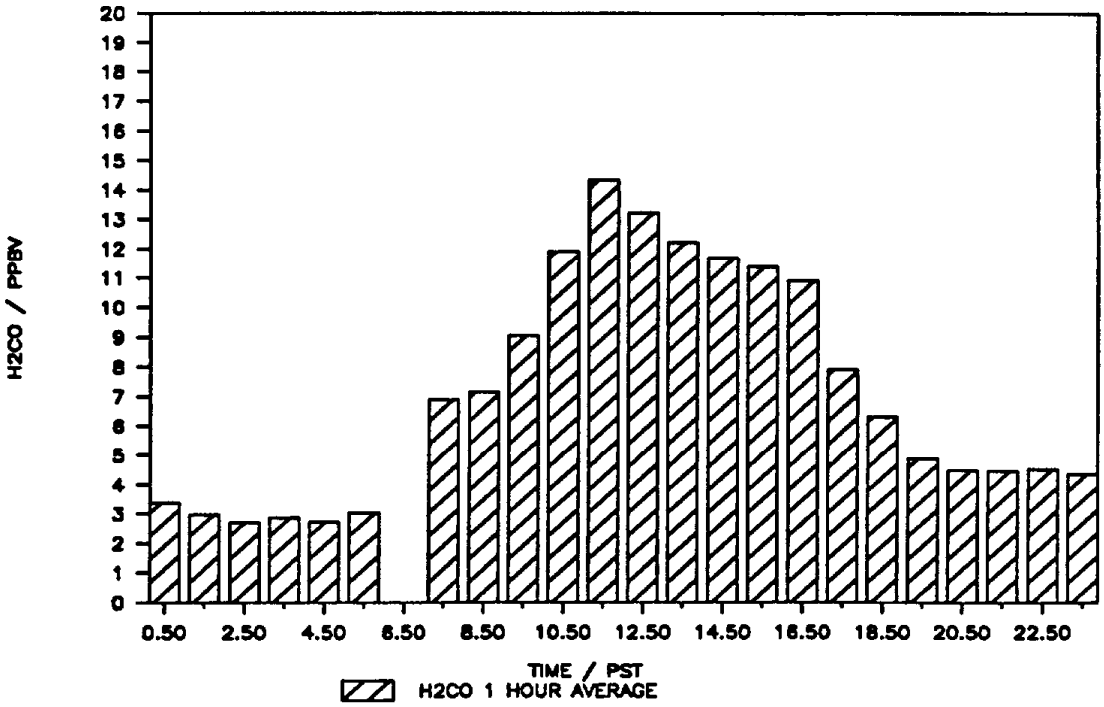
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: AUGUST 25, 1987
JULIAN DATE: 237

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.218	0.021	0.924		
1.5	0.057	0.042	0.297		
2.5	0.021	0.019	0.248		
3.5	0.207	0.045	0.724		
4.5	0.217	0.028	0.874		
5.5	0.005	0.025	0.043		
6.5	-0.006	0.028	-0.049		
7.5					CHANGE TO
8.5					DUAL MODE
9.5					
10.5					
11.5					
12.5					
13.5					CALIBRATION
14.5	0.131	0.098	0.293	7.777	AT 13:50
15.5	0.327	0.082	0.678	8.966	
16.5	0.447	0.097	0.729	8.387	
17.5	-0.458	0.090	-0.761	6.362	
18.5	-0.026	0.053	-0.111	5 148	
19.5	-0.026	0.053	-0.111	4.279	
20.5	0.041	0.142	0.066	4.070	
21.5	-0.086	0.082	-0.235	3.693	
22.5	0.224	0.045	0.753	3.239	
23.5	0.167	0.073	0.467	3.237	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 26, 1987



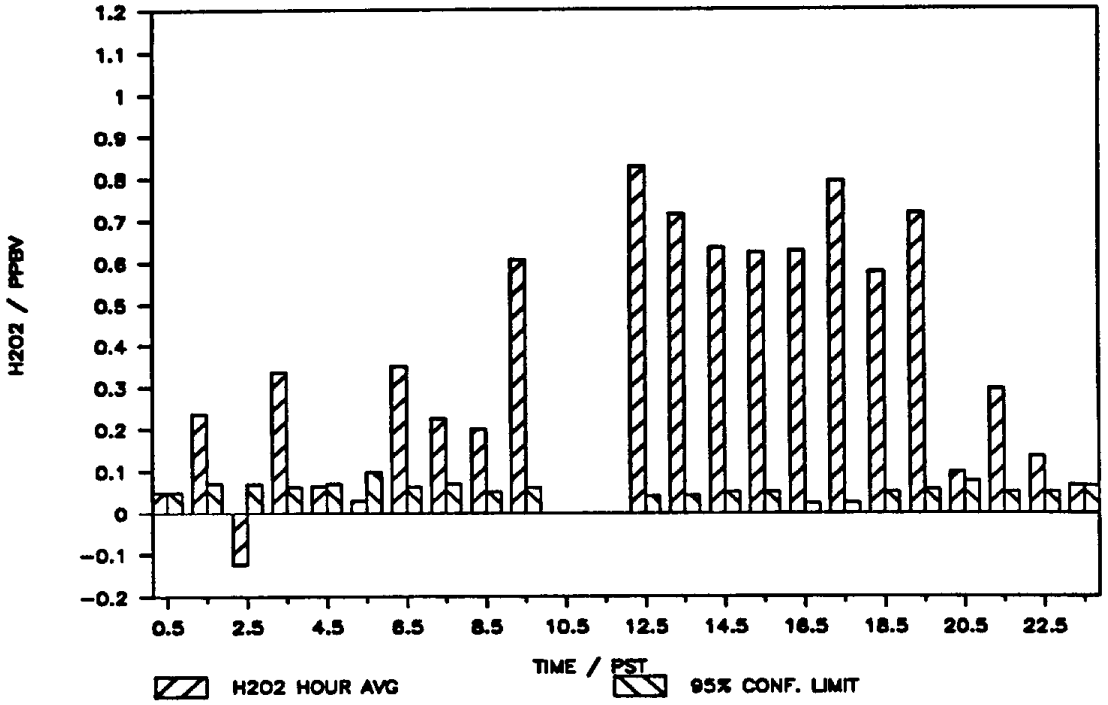


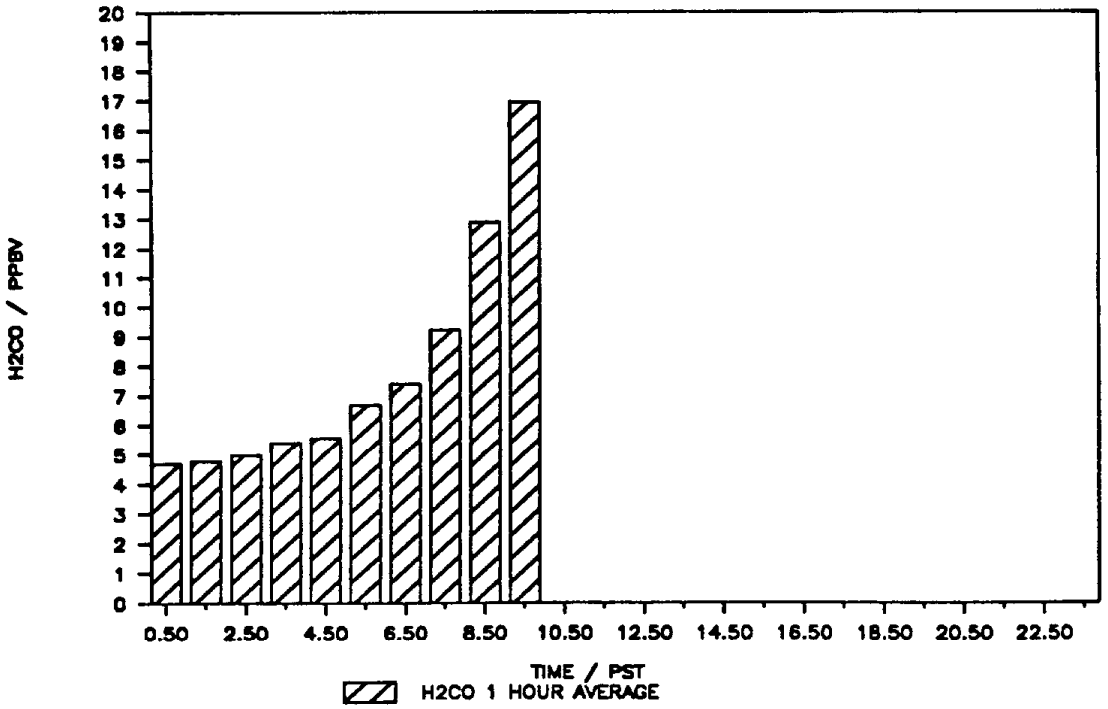
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: AUGUST 26, 1987
JULIAN DATE: 238

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.080	0.091	-0.200	3.387	
1.5	0.239	0.112	0.441	2.978	
2.5	0.152	0.071	0.440	2.711	
3.5	0.028	0.048	0.133	2.878	
4.5	-0.360	0.111	-0.597	2.735	
5.5	-0.002	0.046	-0.011	3.032	CALIBRATION
6.5					06:05 TO 07:04
7.5	0.317	0.035	0.901	6.899	
8.5	0.166	0.066	0.500	7.146	
9.5	0.168	0.035	0.745	9.059	
10.5	0.165	0.065	0.506	11.909	
11.5	0.234	0.061	0.661	14.326	
12.5	0.281	0.049	0.795	13.210	
13.5	0.604	0.049	0.944	12.219	
14.5	0.385	0.065	0.805	11.674	
15.5	0.330	0.040	0.886	11.378	
16.5	0.375	0.048	0.874	10.909	
17.5	0.461	0.048	0.910	7.932	
18.5	0.287	0.054	0.775	6.324	
19.5	0.288	0.037	0.875	4.909	
20.5	0.494	0.083	0.807	4.513	
21.5	0.188	0.043	0.712	4.484	
22.5	0.160	0.095	0.361	4.554	CALIBRATION
23.5	0.023	0.059	0.091	4.380	22:05 TO 22:40

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 27, 1987



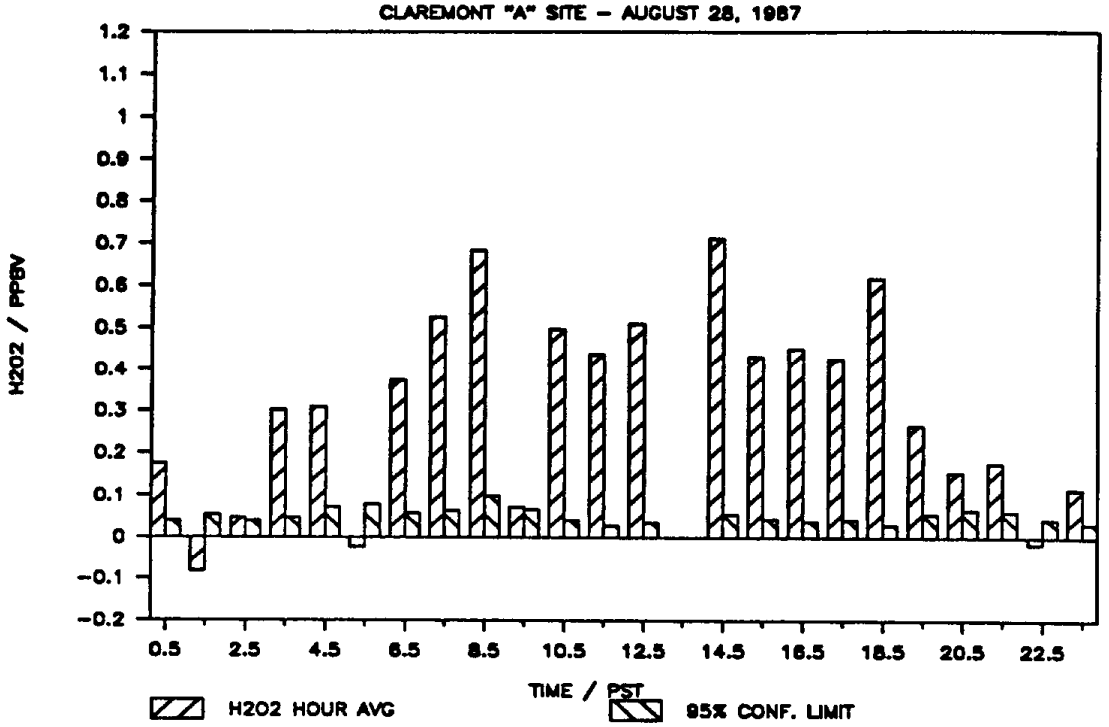


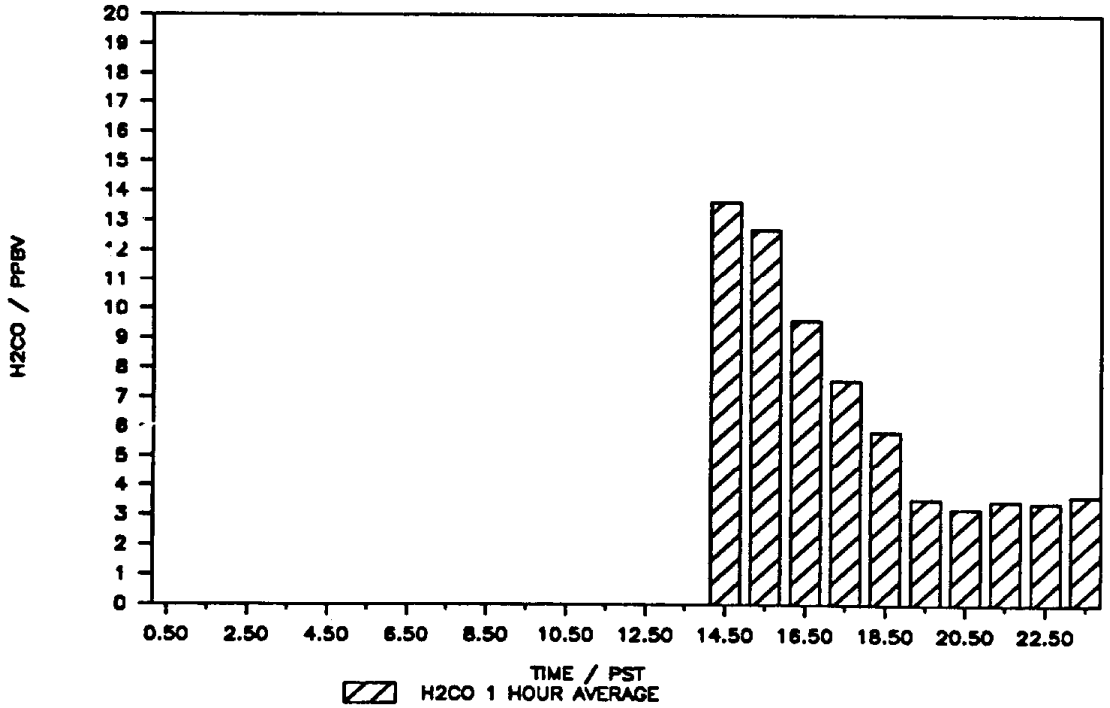
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: AUGUST 27, 1987
JULIAN DATE: 239

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.049	0.050	0.222	4.685	
1.5	0.236	0.071	0.609	4.764	
2.5	-0.123	0.069	-0.382	4.972	
3.5	0.336	0.062	0.779	5.389	
4.5	0.064	0.069	0.210	5.558	
5.5	0.030	0.097	0.070	6.669	
6.5	0.350	0.063	0.790	7.376	
7.5	0.225	0.070	0.596	9.210	
8.5	0.199	0.051	0.666	12.886	
9.5	0.608	0.061	0.916	16.946	EQUIPMENT
10.5					FAILURE.
11.5					CALIBRATION
12.5	0.829	0.041	0.978		AT 12:17
13.5	0.716	0.043	0.968		
14.5	0.635	0.051	0.943		
15.5	0.624	0.051	0.942		
16.5	0.629	0.024	0.987		
17.5	0.794	0.025	0.991		
18.5	0.577	0.051	0.933		
19.5	0.719	0.057	0.946		
20.5	0.097	0.077	0.281		
21.5	0.295	0.052	0.793		
22.5	0.134	0.051	0.519		
23.5	0.067	0.066	0.228		

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 28, 1987



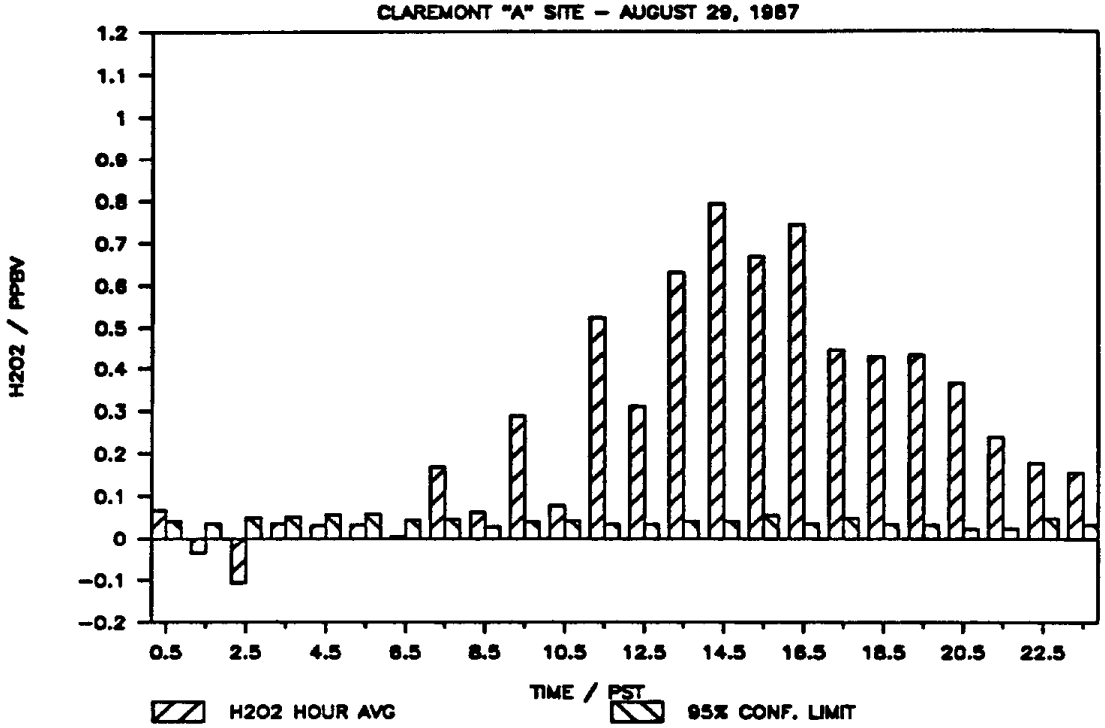


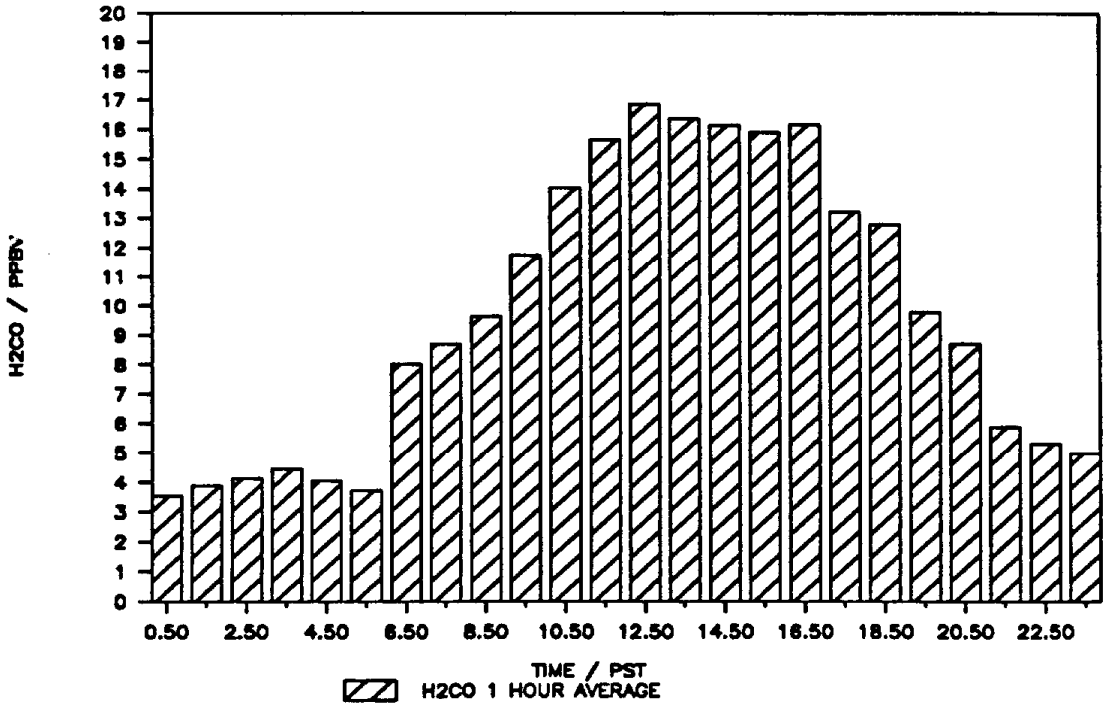
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: AUGUST 28, 1987
JULIAN DATE: 240

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.175	0.039	0.721		
1.5	-0.083	0.054	-0.336		
2.5	0.047	0.040	0.257		
3.5	0.302	0.046	0.836		
4.5	0.308	0.073	0.697		
5.5	-0.023	0.079	-0.067		CALIBRATION
6.5	0.373	0.059	0.823		05:33 TO 06:04
7.5	0.526	0.064	0.885		
8.5	0.684	0.099	0.848		
9.5	0.073	0.067	0.243		
10.5	0.498	0.041	0.942		
11.5	0.438	0.028	0.964		
12.5	0.510	0.036	0.957		EQUIPMENT
13.5					REPAIRED.
14.5	0.712	0.056	0.946	13.641	CALIBRATION
15.5	0.432	0.044	0.916	12.702	AT 14:26
16.5	0.450	0.038	0.940	9.596	
17.5	0.426	0.043	0.918	7.586	
18.5	0.617	0.030	0.979	5.839	
19.5	0.265	0.055	0.742	3.525	
20.5	0.154	0.065	0.481	3.198	
21.5	0.176	0.060	0.559	3.486	
22.5	-0.016	0.043	-0.082	3.413	
23.5	0.115	0.033	0.626	3.640	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 29, 1987



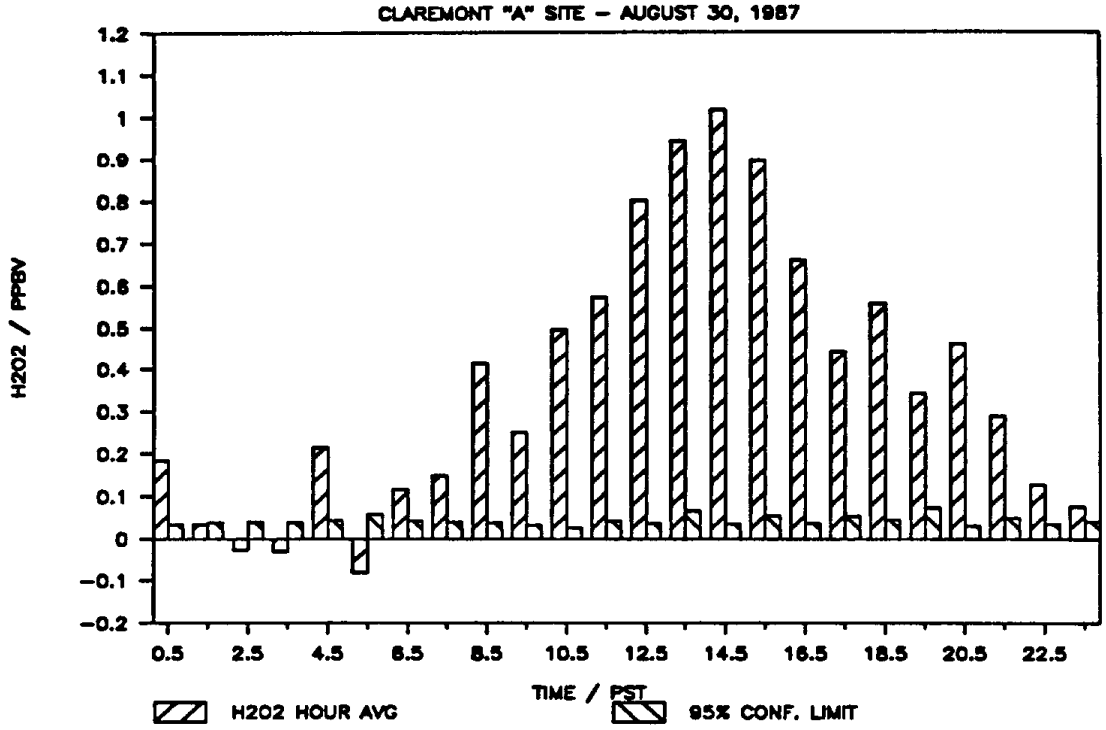


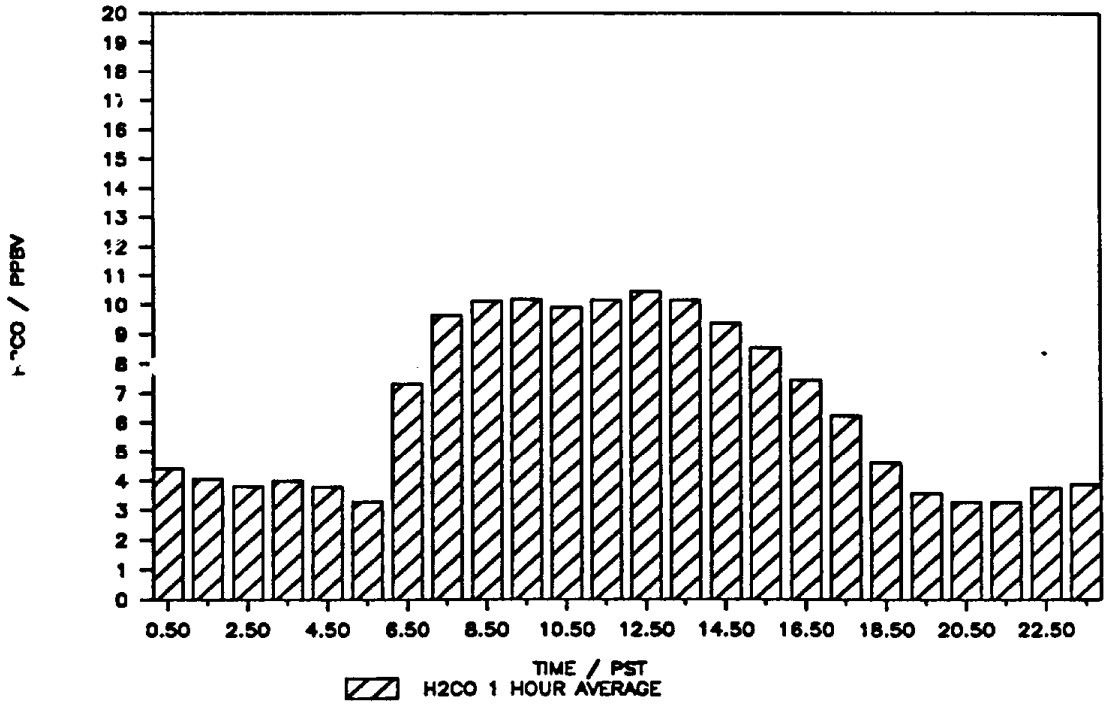
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: AUGUST 29, 1987
JULIAN DATE: 241

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.067	0.041	0.350	3.536	
1.5	-0.035	0.035	-0.222	3.890	
2.5	-0.107	0.050	-0.438	4.123	
3.5	0.036	0.052	0.158	4.437	
4.5	0.032	0.056	0.128	4.044	
5.5	0.033	0.059	0.129	3.714	CALIBRATION
6.5	0.006	0.044	0.033	8.005	05:31 TO 06:17
7.5	0.169	0.045	0.652	8.698	
8.5	0.062	0.029	0.446	9.650	
9.5	0.289	0.039	0.862	11.757	
10.5	0.078	0.043	0.386	14.033	
11.5	0.525	0.034	0.962	15.636	
12.5	0.312	0.034	0.905	16.849	
13.5	0.632	0.041	0.963	16.363	
14.5	0.793	0.042	0.975	16.138	
15.5	0.668	0.056	0.941	15.887	
16.5	0.744	0.035	0.980	16.158	
17.5	0.446	0.048	0.906	13.230	
18.5	0.427	0.034	0.944	12.797	
19.5	0.432	0.032	0.952	9.778	
20.5	0.365	0.023	0.965	8.704	
21.5	0.239	0.024	0.915	5.873	
22.5	0.178	0.048	0.646	5.309	
23.5	0.155	0.033	0.734	4.989	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 30, 1987



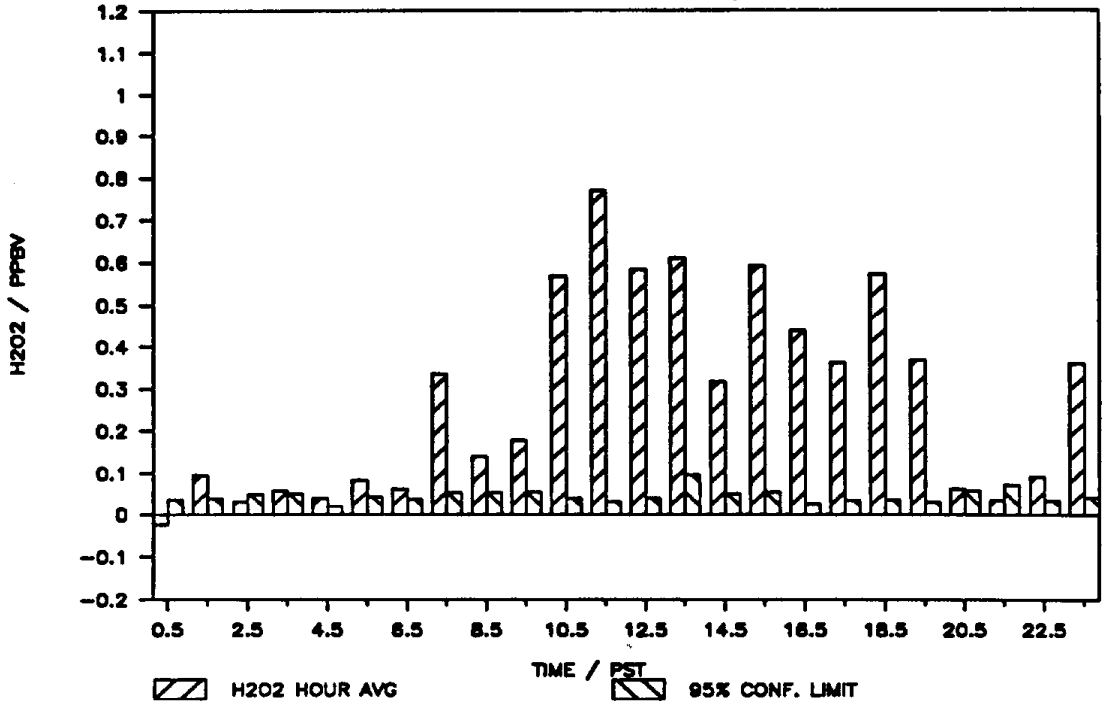


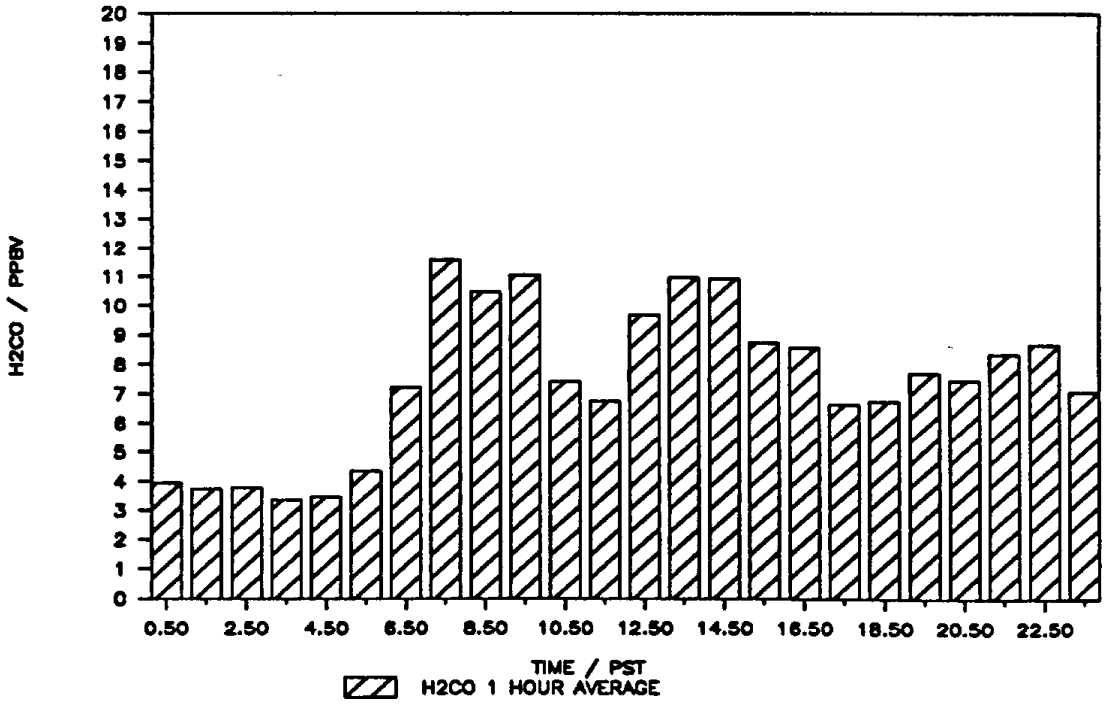
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: AUGUST 30, 1987
JULIAN DATE: 242

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.184	0.034	0.782	4.402	
1.5	0.035	0.039	0.204	4.031	
2.5	-0.028	0.040	-0.161	3.811	
3.5	-0.031	0.039	-0.184	3.985	
4.5	0.215	0.044	0.750	3.790	
5.5	-0.080	0.058	-0.304	3.282	CALIBRATION
6.5	0.117	0.043	0.534	7.287	05:22 TO 06:39
7.5	0.148	0.040	0.650	9.633	
8.5	0.413	0.039	0.926	10.105	
9.5	0.250	0.033	0.868	10.176	
10.5	0.495	0.027	0.972	9.915	
11.5	0.573	0.043	0.951	10.154	
12.5	0.803	0.037	0.981	10.458	
13.5	0.943	0.067	0.956	10.158	
14.5	1.017	0.036	0.988	9.365	
15.5	0.898	0.056	0.966	8.537	
16.5	0.662	0.037	0.972	7.441	
17.5	0.442	0.054	0.885	6.228	
18.5	0.558	0.045	0.943	4.617	
19.5	0.343	0.074	0.732	3.583	
20.5	0.462	0.031	0.961	3.275	
21.5	0.289	0.049	0.803	3.282	
22.5	0.127	0.035	0.641	3.759	
23.5	0.076	0.042	0.388	3.879	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 31, 1987



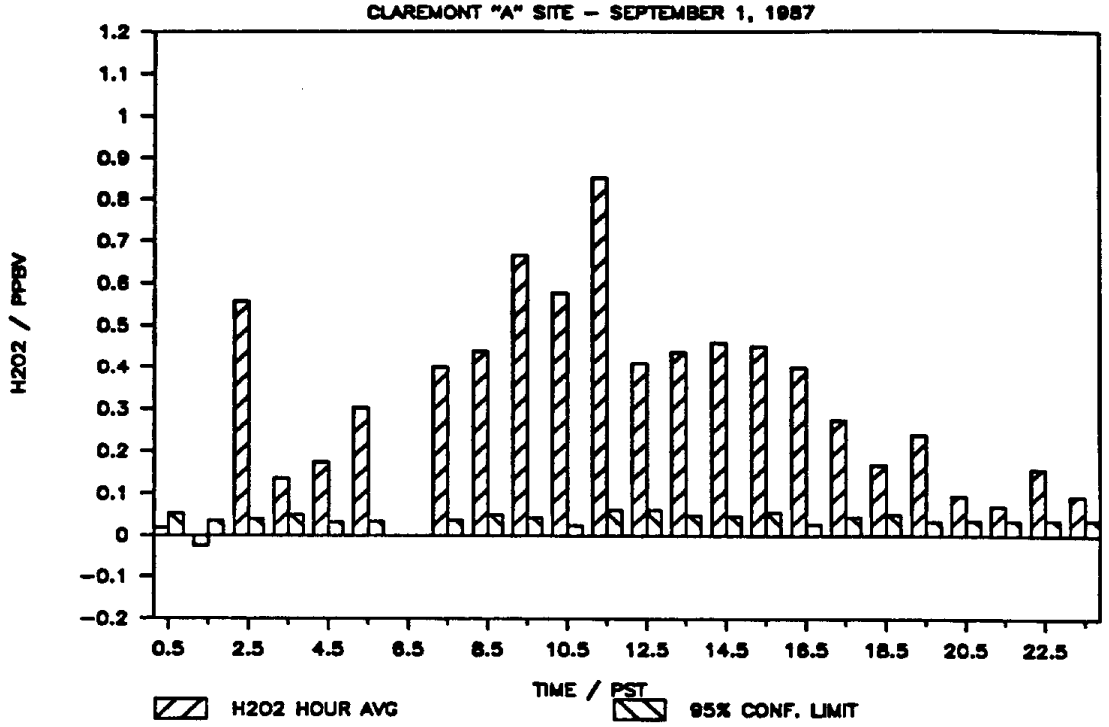


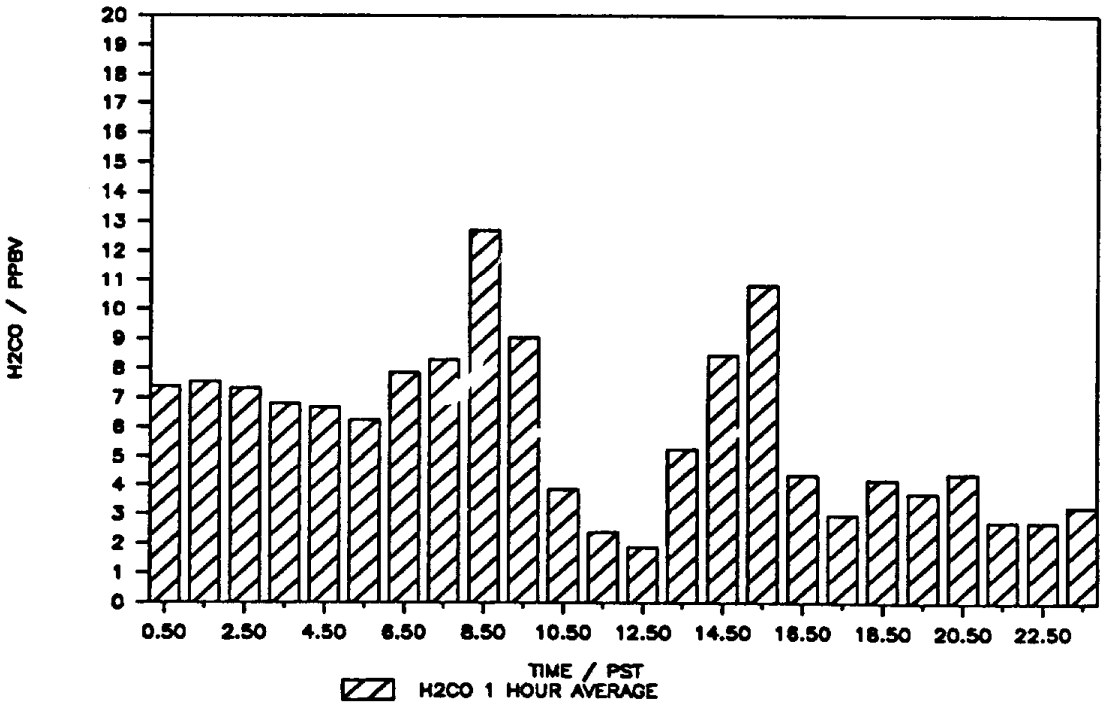
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: AUGUST 31, 1987
JULIAN DATE: 243

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.024	0.037	-0.148	3.930	
1.5	0.095	0.040	0.481	3.736	
2.5	0.032	0.049	0.149	3.779	
3.5	0.058	0.051	0.254	3.364	
4.5	0.040	0.022	0.388	3.461	
5.5	0.084	0.044	0.403	4.343	CALIBRATION
6.5	0.062	0.039	0.348	7.228	05:34 TO 06:20
7.5	0.335	0.053	0.824	11.563	
8.5	0.140	0.053	0.518	10.469	
9.5	0.177	0.055	0.599	11.046	
10.5	0.569	0.042	0.953	7.430	
11.5	0.771	0.032	0.984	6.747	
12.5	0.585	0.041	0.956	9.677	
13.5	0.611	0.095	0.828	10.957	
14.5	0.317	0.052	0.814	10.911	
15.5	0.593	0.056	0.926	8.740	
16.5	0.439	0.027	0.966	8.568	
17.5	0.362	0.036	0.919	6.654	
18.5	0.573	0.038	0.962	6.749	
19.5	0.368	0.031	0.939	7.709	
20.5	0.063	0.058	0.241	7.460	
21.5	0.035	0.073	0.110	8.345	
22.5	0.092	0.035	0.515	8.661	
23.5	0.361	0.042	0.893	7.074	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – SEPTEMBER 1, 1987



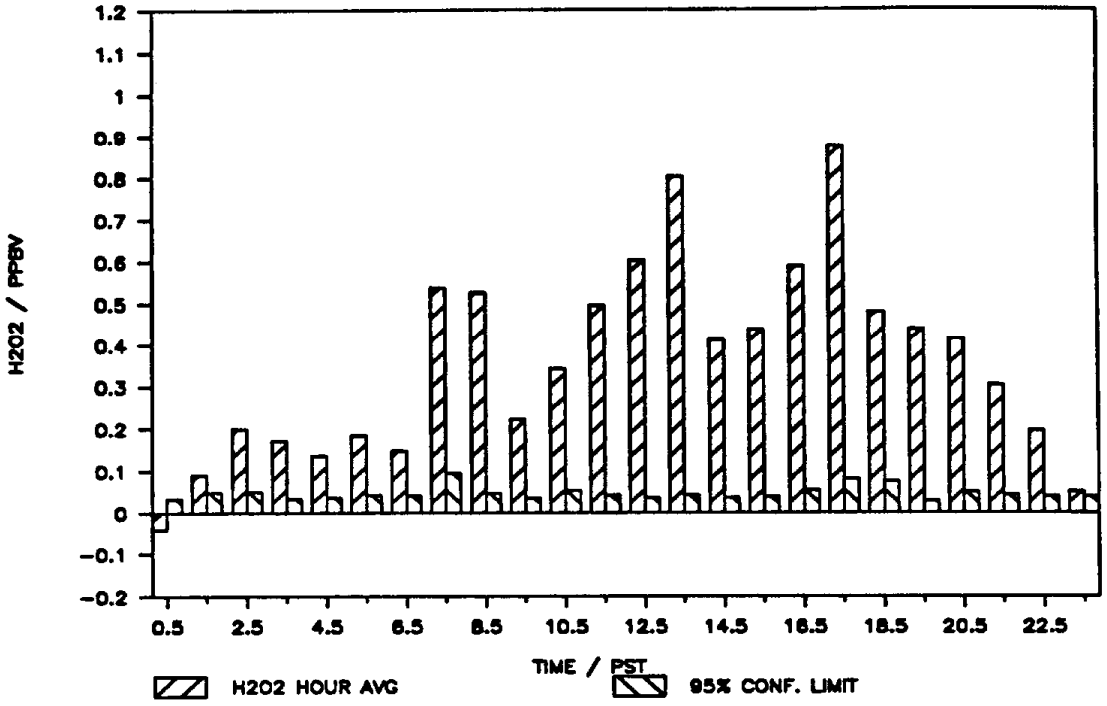


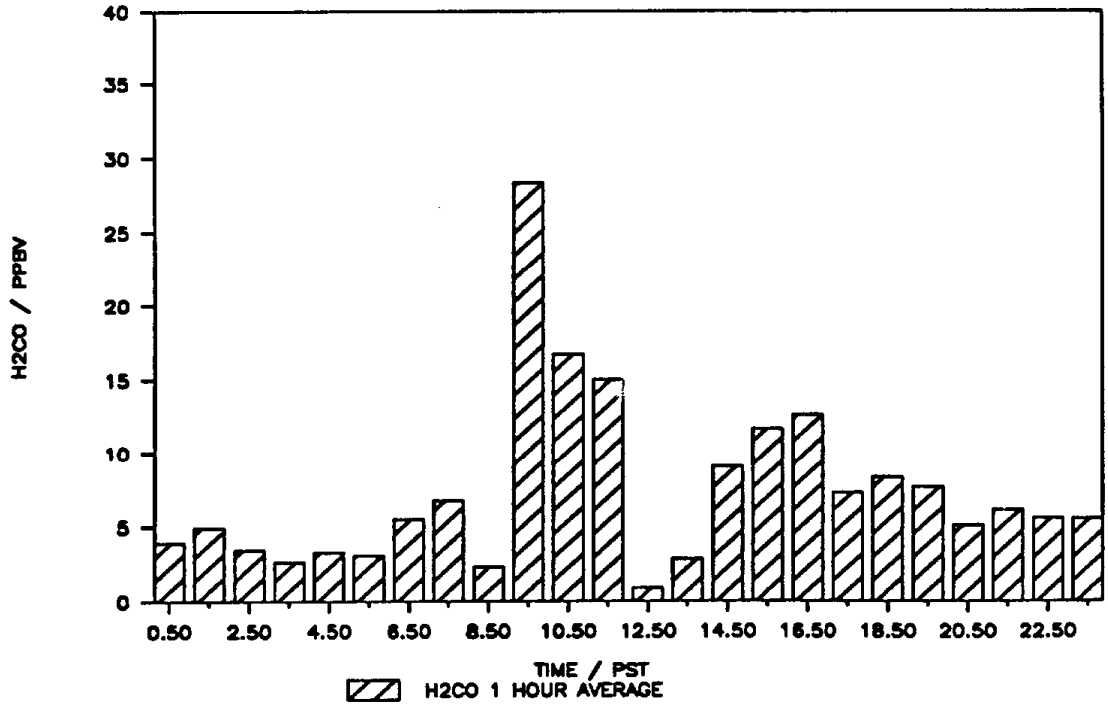
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: SEPTEMBER 1, 1987
JULIAN DATE: 244

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.019	0.052	0.083	7.385	
1.5	-0.024	0.035	-0.154	7.536	
2.5	0.557	0.040	0.955	7.330	
3.5	0.136	0.050	0.532	6.800	
4.5	0.174	0.033	0.775	6.676	
5.5	0.303	0.033	0.903	6.244	CALIBRATION
6.5				7.861	06:10 TO 06:51
7.5	0.398	0.038	0.926	8.292	
8.5	0.440	0.050	0.895	12.708	
9.5	0.666	0.043	0.963	9.040	
10.5	0.577	0.023	0.985	3.833	
11.5	0.851	0.060	0.956	2.380	
12.5	0.409	0.060	0.844	1.874	
13.5	0.435	0.048	0.903	5.255	
14.5	0.459	0.047	0.913	8.451	
15.5	0.451	0.055	0.883	10.816	
16.5	0.398	0.027	0.960	4.343	
17.5	0.273	0.044	0.821	2.966	
18.5	0.167	0.049	0.618	4.191	
19.5	0.238	0.033	0.855	3.724	
20.5	0.093	0.036	0.514	4.391	
21.5	0.070	0.035	0.416	2.745	
22.5	0.158	0.037	0.699	2.725	
23.5	0.092	0.037	0.502	3.257	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – SEPTEMBER 2, 1987



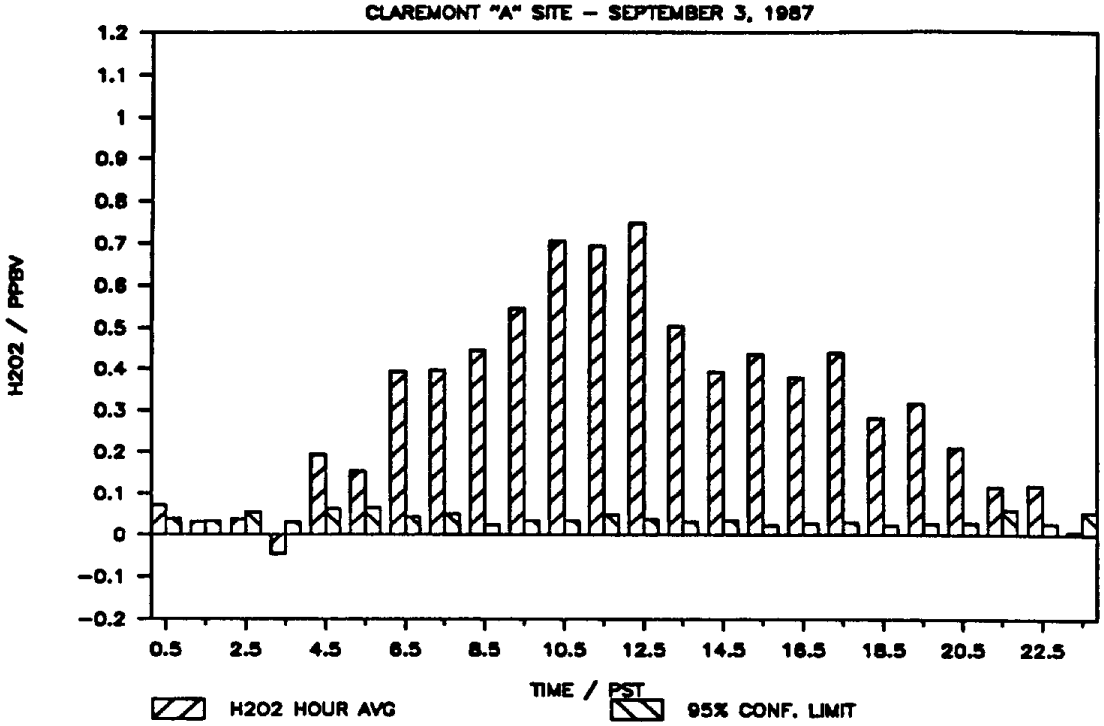


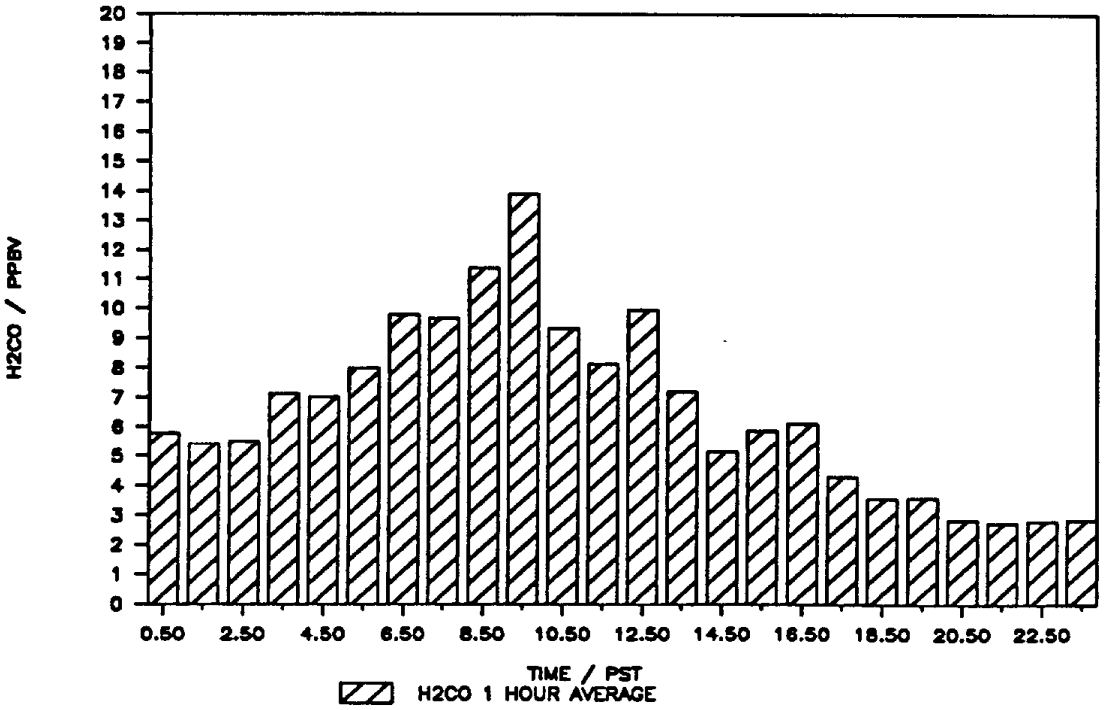
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: SEPTEMBER 2, 1987
JULIAN DATE: 245

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.043	0.034	-0.279	3.900	
1.5	0.091	0.049	0.395	4.928	
2.5	0.199	0.051	0.666	3.422	
3.5	0.172	0.034	0.761	2.623	
4.5	0.136	0.037	0.649	3.264	
5.5	0.184	0.043	0.702	3.067	
6.5	0.147	0.041	0.641	5.495	CALIBRATION
7.5	0.538	0.095	0.792	6.750	06:48 TO 07:42
8.5	0.527	0.046	0.935	2.289	
9.5	0.222	0.035	0.823	28.324	
10.5	0.343	0.053	0.832	16.693	
11.5	0.496	0.042	0.939	15.008	
12.5	0.603	0.037	0.966	0.909	
13.5	0.802	0.043	0.974	2.829	
14.5	0.412	0.037	0.931	9.063	
15.5	0.437	0.038	0.937	11.664	
16.5	0.589	0.053	0.931	12.634	
17.5	0.875	0.081	0.929	7.262	
18.5	0.478	0.075	0.825	8.321	
19.5	0.438	0.028	0.963	7.691	
20.5	0.413	0.050	0.884	5.109	
21.5	0.303	0.042	0.858	6.153	
22.5	0.196	0.039	0.758	5.571	
23.5	0.051	0.038	0.293	5.520	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

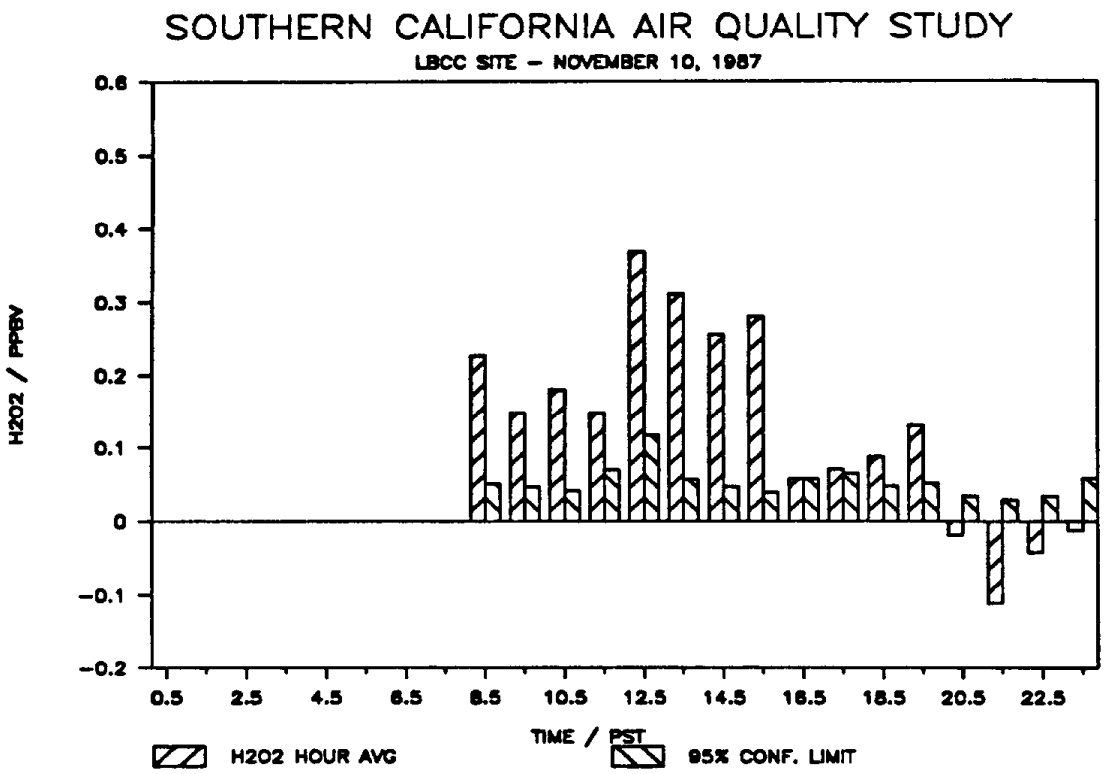
CLAREMONT "A" SITE – SEPTEMBER 3, 1987

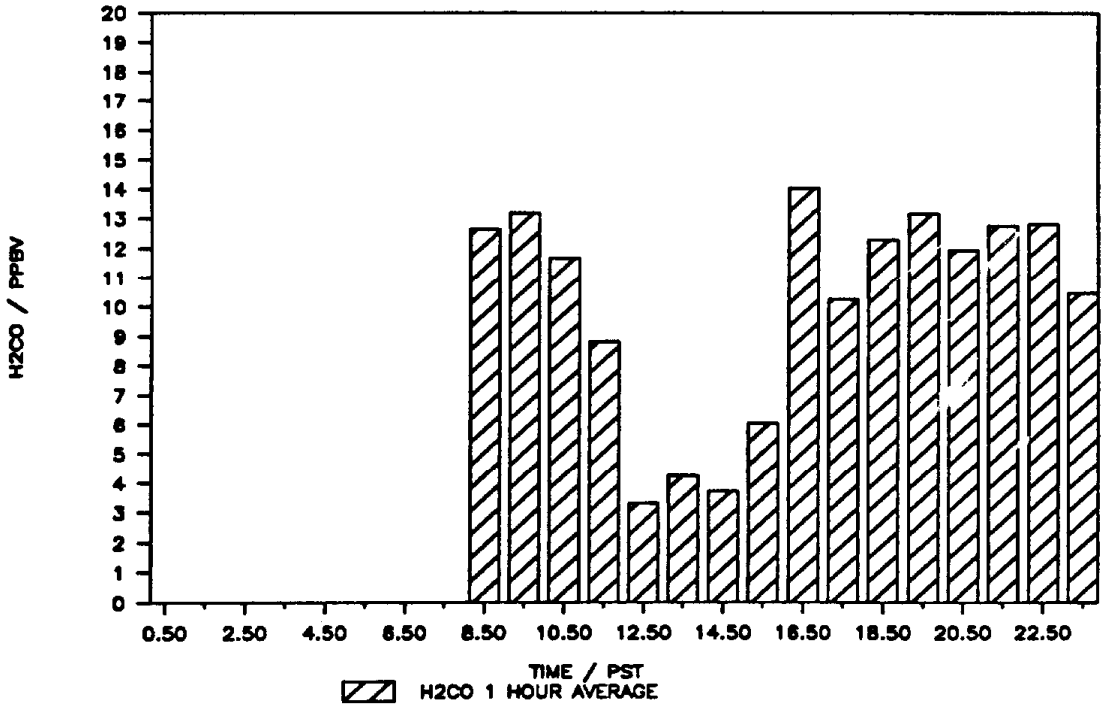




PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: SEPTEMBER 3, 1987
JULIAN DATE: 246

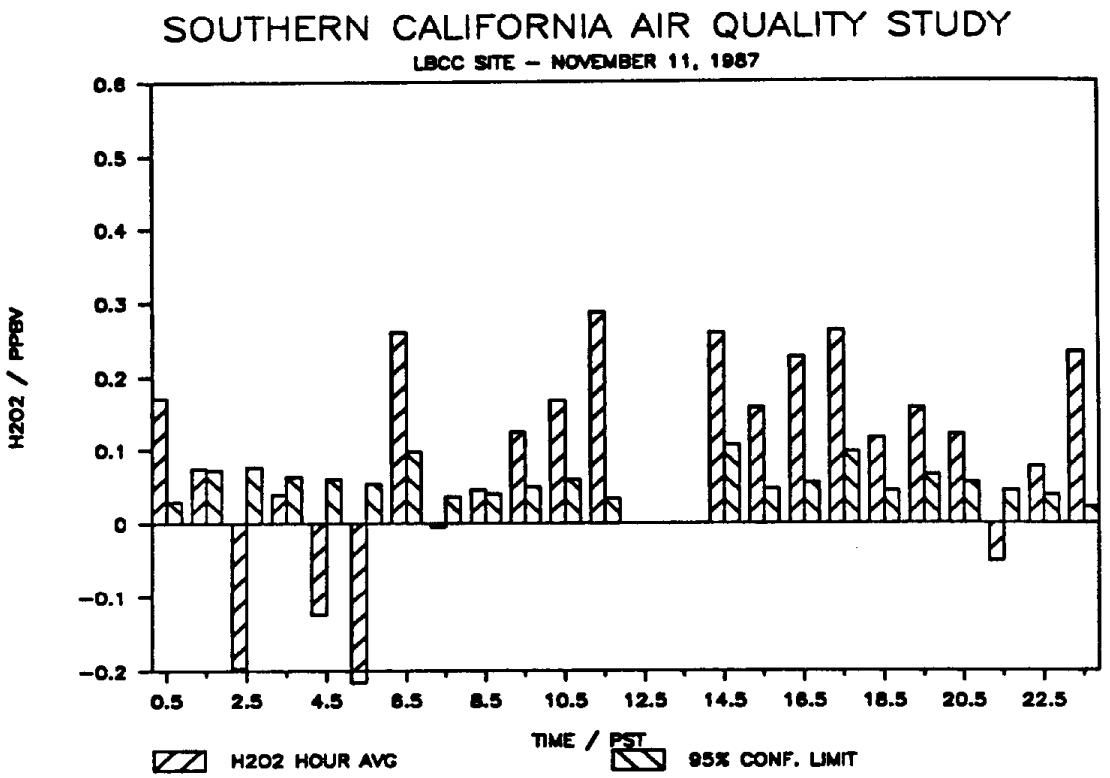
BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.072	0.039	0.394	5.788	
1.5	0.032	0.034	0.208	5.408	
2.5	0.038	0.055	0.157	5.497	
3.5	-0.046	0.031	-0.317	7.115	
4.5	0.193	0.064	0.569	7.016	
5.5	0.154	0.067	0.466	7.973	CALIBRATION
6.5	0.394	0.044	0.899	9.784	05:32 TO 06:01
7.5	0.396	0.051	0.874	9.662	
8.5	0.445	0.025	0.971	11.361	
9.5	0.546	0.035	0.964	13.892	
10.5	0.707	0.035	0.977	9.315	
11.5	0.695	0.049	0.956	8.134	
12.5	0.749	0.038	0.977	9.956	
13.5	0.504	0.033	0.963	7.194	
14.5	0.392	0.035	0.933	5.144	
15.5	0.434	0.024	0.971	5.880	
16.5	0.378	0.028	0.951	6.123	
17.5	0.437	0.031	0.955	4.302	
18.5	0.280	0.023	0.941	3.581	
19.5	0.315	0.028	0.935	3.590	
20.5	0.209	0.030	0.846	2.859	
21.5	0.116	0.060	0.407	2.745	
22.5	0.119	0.028	0.704	2.804	
23.5	0.008	0.055	0.032	2.840	

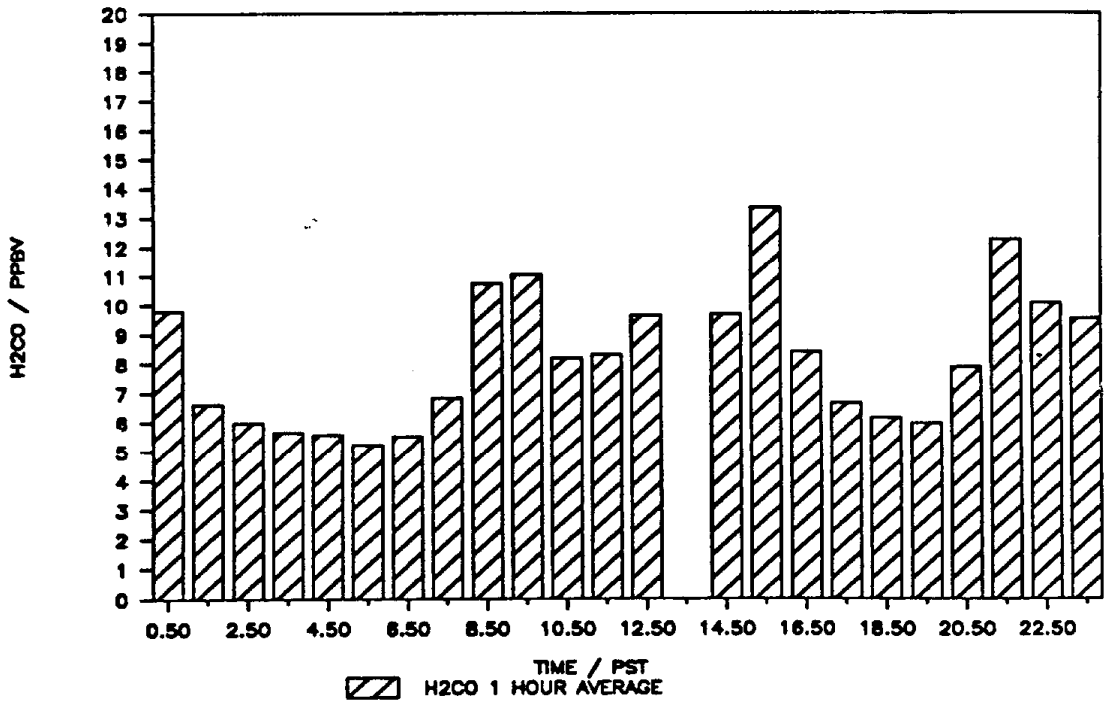

SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – NOVEMBER 10, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME / PST
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 10, 1987
JULIAN DATE: 314

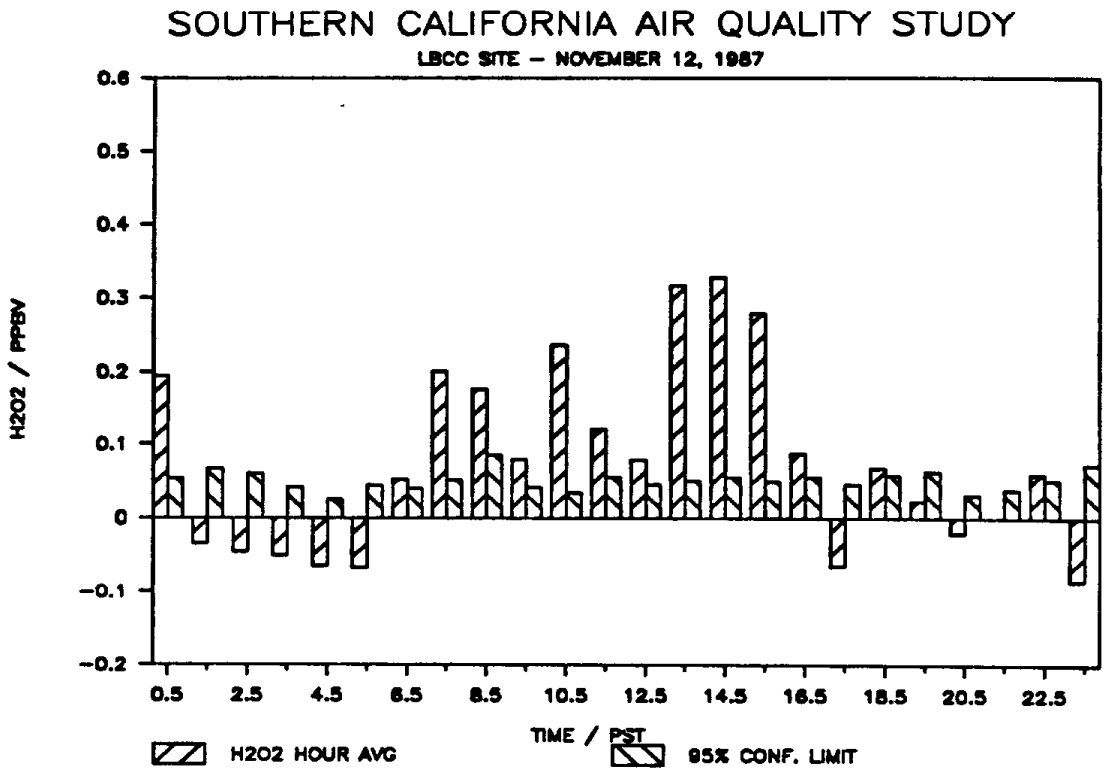
BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5					
1.5					
2.5					
3.5					
4.5					
5.5					
6.5					
7.5					CALIBRATION
8.5	0.226	0.051	0.715	12.643	AT 08:21
9.5	0.148	0.047	0.587	13.188	
10.5	0.181	0.041	0.708	11.659	
11.5	0.148	0.069	0.441	8.813	
12.5	0.368	0.118	0.585	3.314	
13.5	0.311	0.057	0.784	4.251	
14.5	0.256	0.047	0.784	3.720	
15.5	0.281	0.039	0.857	6.041	
16.5	0.057	0.058	0.222	14.037	
17.5	0.070	0.065	0.243	10.247	
18.5	0.087	0.047	0.391	12.301	
19.5	0.130	0.052	0.502	13.173	
20.5	-0.018	0.034	-0.123	11.927	
21.5	-0.111	0.029	-0.664	12.749	
22.5	-0.042	0.034	-0.278	12.812	
23.5	-0.013	0.058	-0.050	10.475	

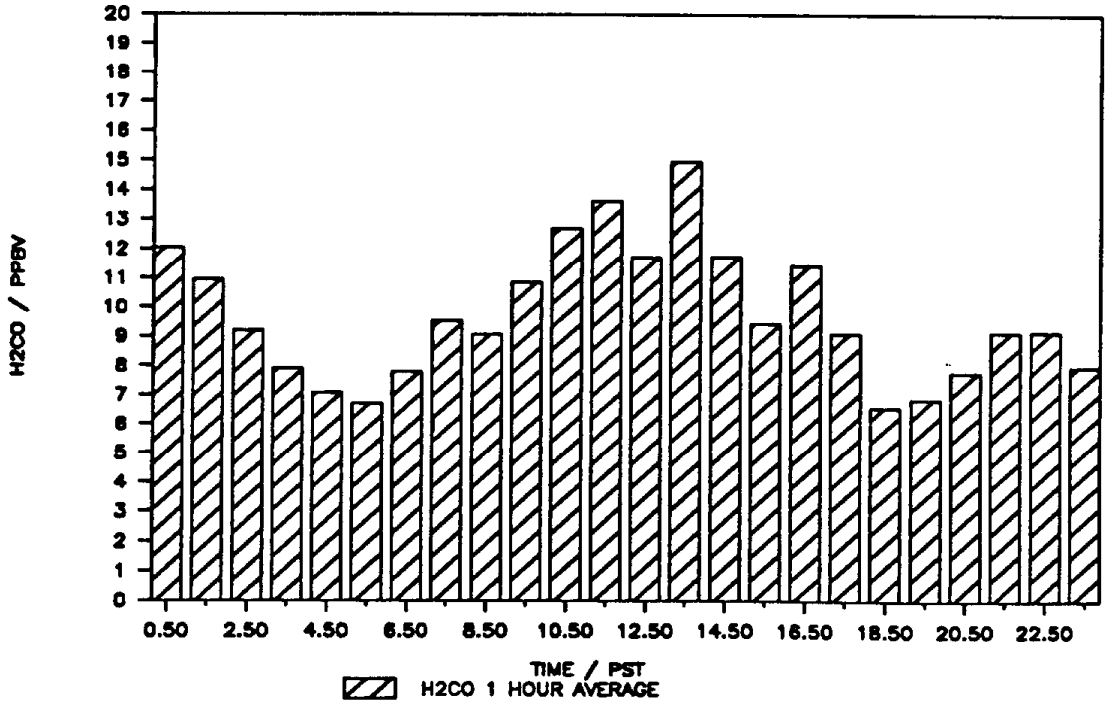

SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – NOVEMBER 11, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME / PST
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 11, 1987
JULIAN DATE: 315

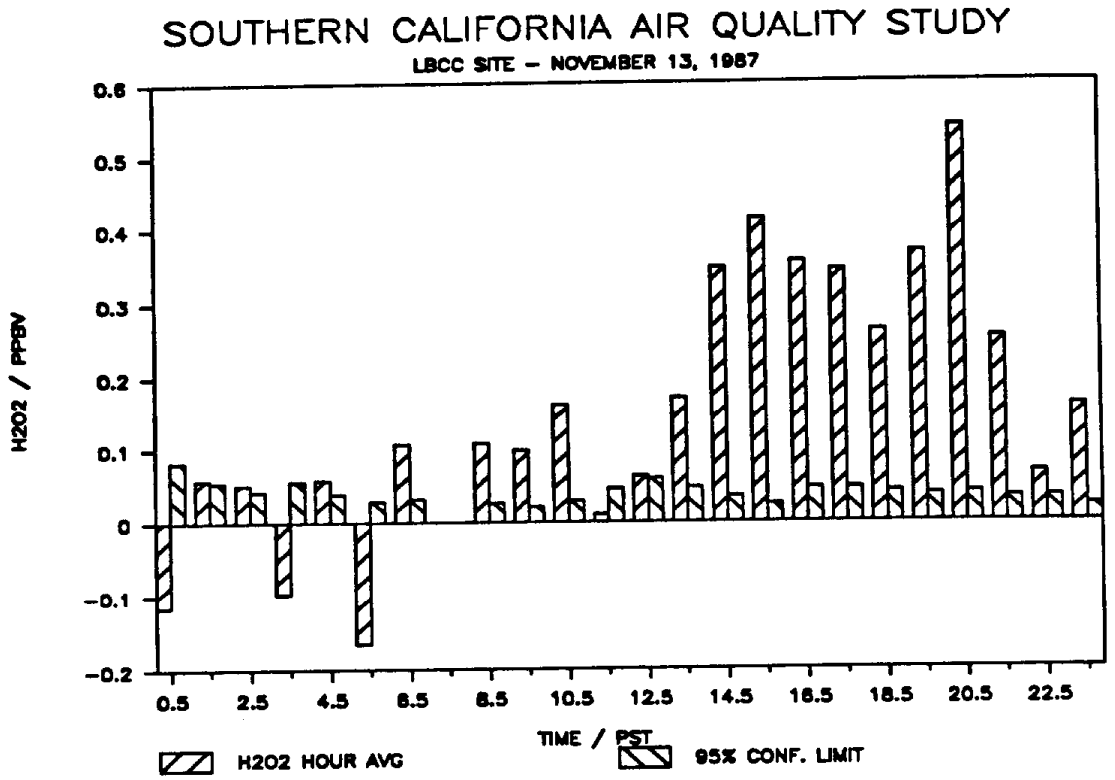
BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.171	0.029	0.803	9.781	
1.5	0.074	0.072	0.233	6.621	
2.5	-0.197	0.076	-0.514	5.982	
3.5	0.039	0.063	0.142	5.654	
4.5	-0.124	0.060	-0.430	5.586	
5.5	-0.228	0.053	-0.702	5.238	
6.5	0.260	0.097	0.526	5.511	
7.5	-0.005	0.036	-0.030	6.831	
8.5	0.045	0.040	0.251	10.739	
9.5	0.124	0.049	0.506	11.033	
10.5	0.167	0.059	0.543	8.195	
11.5	0.287	0.033	0.895	8.306	CALIBRATION
12.5				9.643	12:26 TO 14:21
13.5					
14.5	0.259	0.107	0.487	9.690	
15.5	0.157	0.047	0.615	13.344	
16.5	0.227	0.055	0.689	8.416	
17.5	0.262	0.097	0.529	6.678	
18.5	0.116	0.044	0.520	6.166	
19.5	0.156	0.065	0.482	5.975	
20.5	0.121	0.055	0.449	7.871	
21.5	-0.051	0.044	-0.258	12.243	
22.5	0.077	0.038	0.420	10.057	
23.5	0.233	0.022	0.925	9.516	

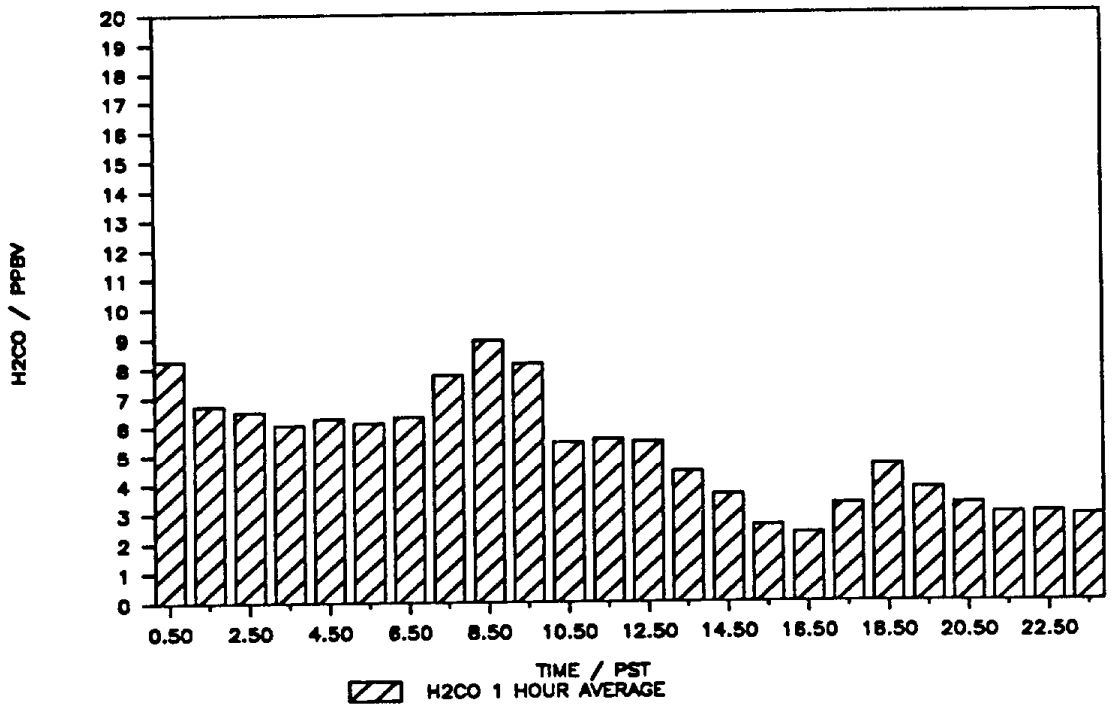

SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – NOVEMBER 12, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME / PST
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 12, 1987
JULIAN DATE: 316

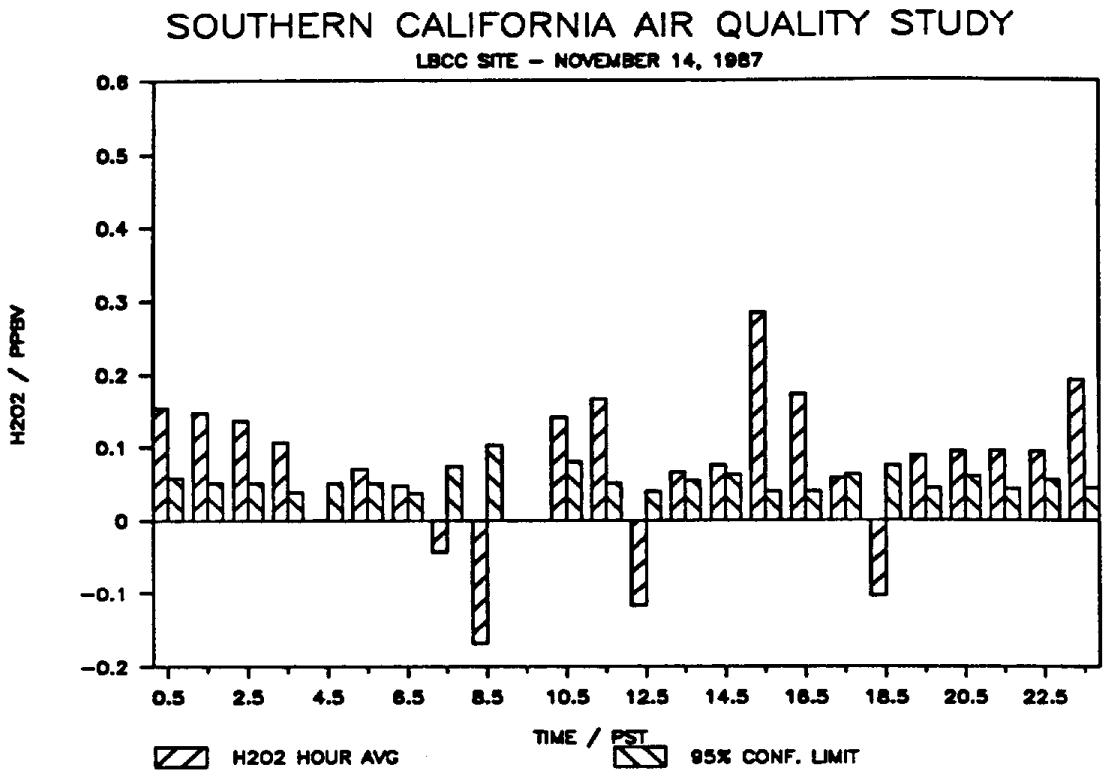
BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.194	0.053	0.644	12.033	
1.5	-0.034	0.066	-0.119	10.947	
2.5	-0.045	0.060	-0.171	9.198	
3.5	-0.050	0.041	-0.274	7.897	
4.5	-0.064	0.025	-0.509	7.084	
5.5	-0.066	0.044	-0.327	6.710	
6.5	0.052	0.040	0.284	7.813	
7.5	0.201	0.051	0.674	9.555	CALIBRATION
8.5	0.176	0.085	0.433	9.079	07:49 TO 08:23
9.5	0.079	0.041	0.407	10.862	
10.5	0.237	0.034	0.847	12.693	
11.5	0.121	0.055	0.451	13.621	
12.5	0.078	0.045	0.373	11.717	
13.5	0.317	0.050	0.826	14.959	
14.5	0.328	0.055	0.811	11.751	
15.5	0.280	0.049	0.796	9.464	
16.5	0.087	0.055	0.343	11.437	
17.5	-0.064	0.045	-0.312	9.112	
18.5	0.067	0.057	0.264	6.588	
19.5	0.023	0.062	0.087	6.860	
20.5	-0.020	0.031	-0.147	7.779	
21.5	0.000	0.038	0.002	9.154	
22.5	0.059	0.051	0.257	9.179	
23.5	-0.084	0.072	-0.259	7.981	

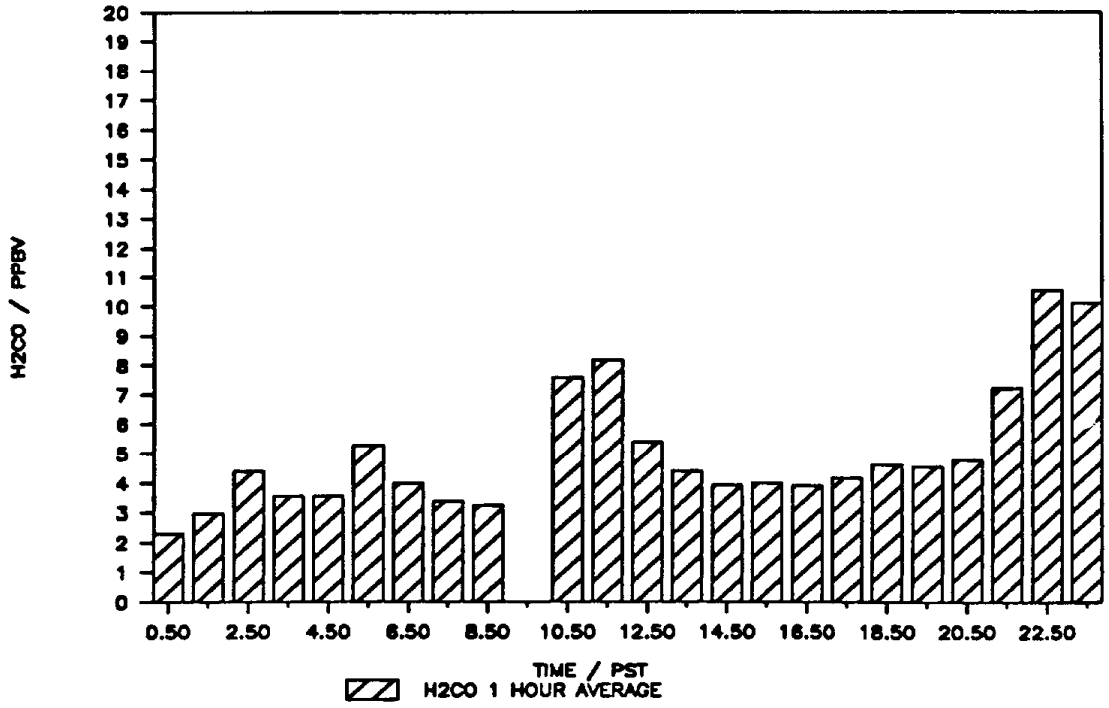

SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – NOVEMBER 13, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME / PST
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 13, 1987
JULIAN DATE: 317

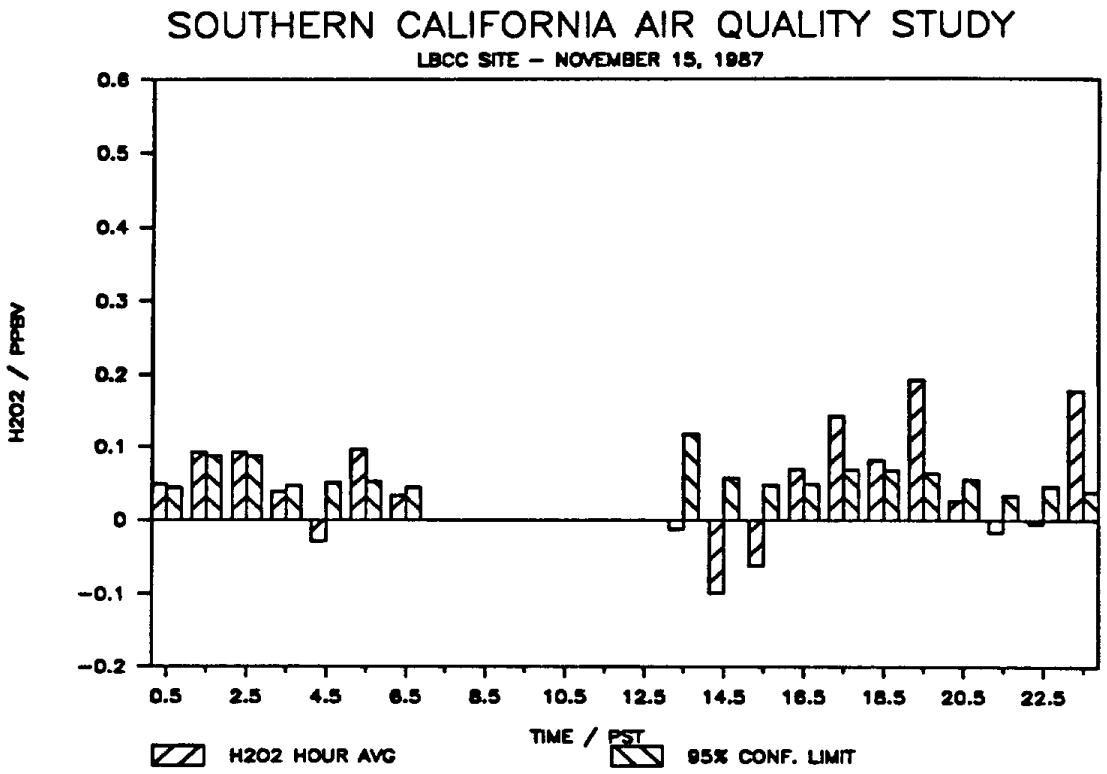
BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.116	0.082	-0.310	8.245	
1.5	0.057	0.054	0.234	6.707	
2.5	0.051	0.042	0.273	6.501	
3.5	-0.097	0.056	-0.368	6.057	
4.5	0.057	0.039	0.320	6.277	
5.5	-0.165	0.028	-0.807	6.132	
6.5	0.106	0.032	0.606	6.325	
7.5				7.737	CALIBRATION
8.5	0.108	0.026	0.686	8.918	07:16 TO 07:47
9.5	0.098	0.021	0.737	8.133	
10.5	0.161	0.029	0.786	5.441	
11.5	0.011	0.045	0.054	5.543	
12.5	0.062	0.059	0.234	5.462	
13.5	0.170	0.047	0.640	4.421	
14.5	0.347	0.035	0.915	3.625	
15.5	0.414	0.024	0.970	2.582	
16.5	0.355	0.046	0.870	2.317	
17.5	0.344	0.046	0.864	3.300	
18.5	0.262	0.041	0.827	4.636	
19.5	0.367	0.037	0.916	3.838	
20.5	0.540	0.040	0.952	3.307	
21.5	0.252	0.033	0.867	2.989	
22.5	0.067	0.034	0.411	3.012	
23.5	0.159	0.022	0.861	2.905	

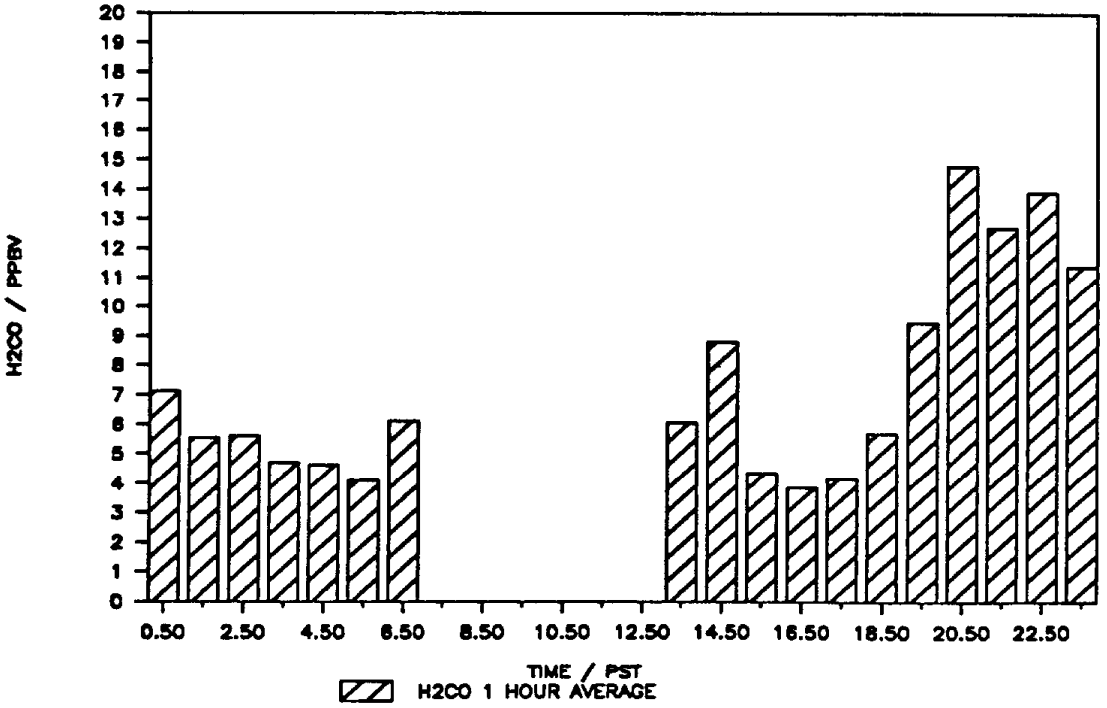

SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – NOVEMBER 14, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME / PST
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 14, 1987
JULIAN DATE: 318

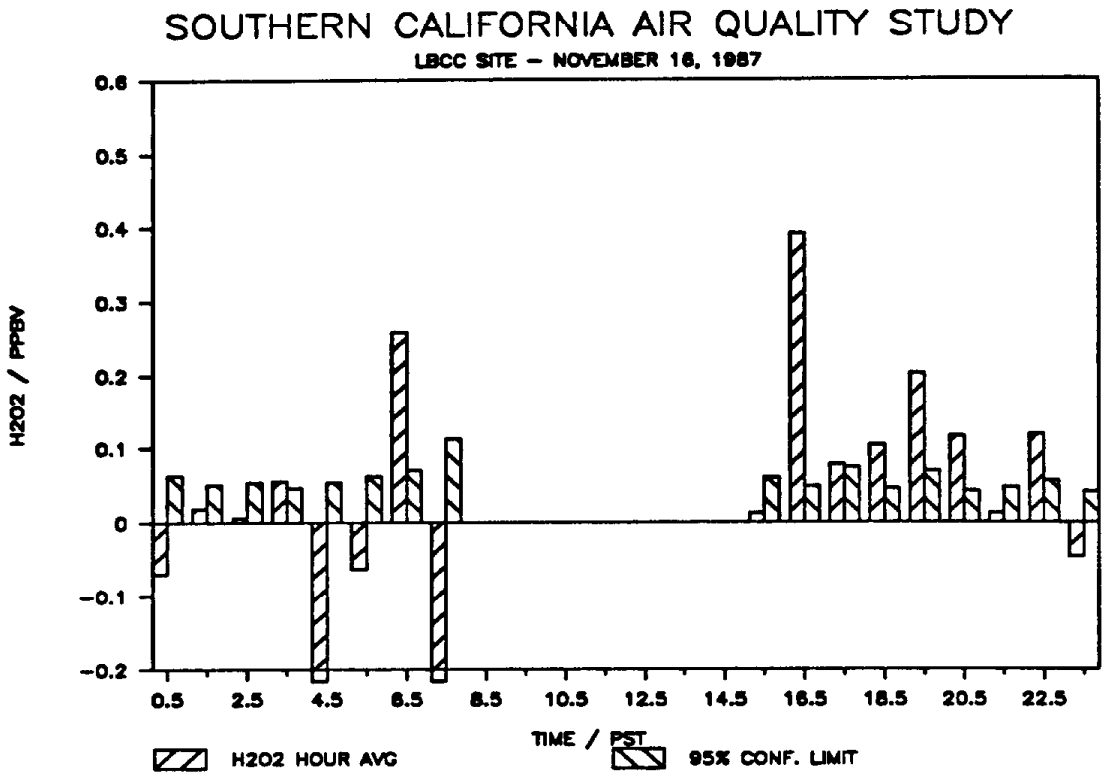
BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.153	0.057	0.525	2.298	
1.5	0.146	0.051	0.550	2.978	
2.5	0.136	0.051	0.524	4.388	
3.5	0.107	0.039	0.535	3.556	
4.5	0.001	0.051	0.004	3.556	
5.5	0.070	0.051	0.300	5.285	
6.5	0.048	0.037	0.285	3.985	
7.5	-0.043	0.074	-0.133	3.382	CALIBRATION
8.5	-0.168	0.102	-0.354	3.230	07:14 TO 07:57
9.5					NO DATA
10.5	0.141	0.080	0.375	7.549	09:11 TO 10:13
11.5	0.167	0.051	0.599	8.157	
12.5	-0.116	0.040	-0.562	5.375	
13.5	0.066	0.054	0.268	4.388	
14.5	0.076	0.062	0.269	3.918	
15.5	0.285	0.040	0.855	3.993	
16.5	0.173	0.040	0.708	3.902	
17.5	0.057	0.063	0.207	4.155	
18.5	-0.103	0.074	-0.306	4.612	
19.5	0.088	0.044	0.419	4.549	
20.5	0.094	0.060	0.340	4.775	
21.5	0.095	0.043	0.452	7.220	
22.5	0.093	0.055	0.363	10.531	
23.5	0.192	0.045	0.704	10.105	

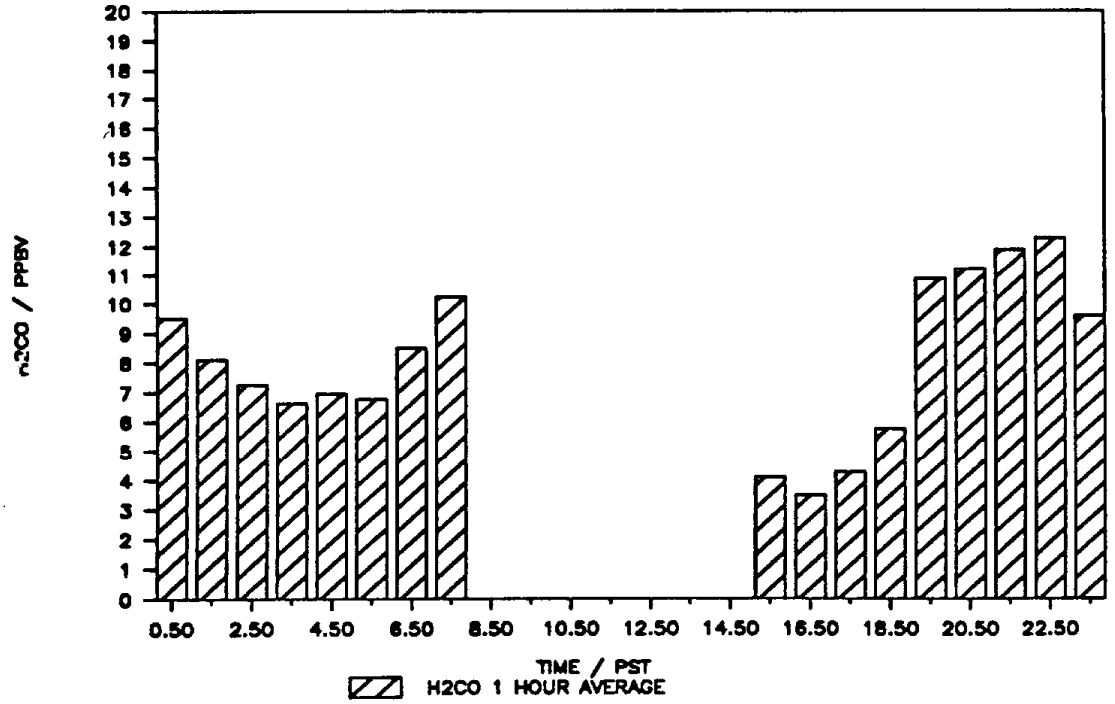

SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – NOVEMBER 15, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME / PST
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 15, 1987
JULIAN DATE: 319

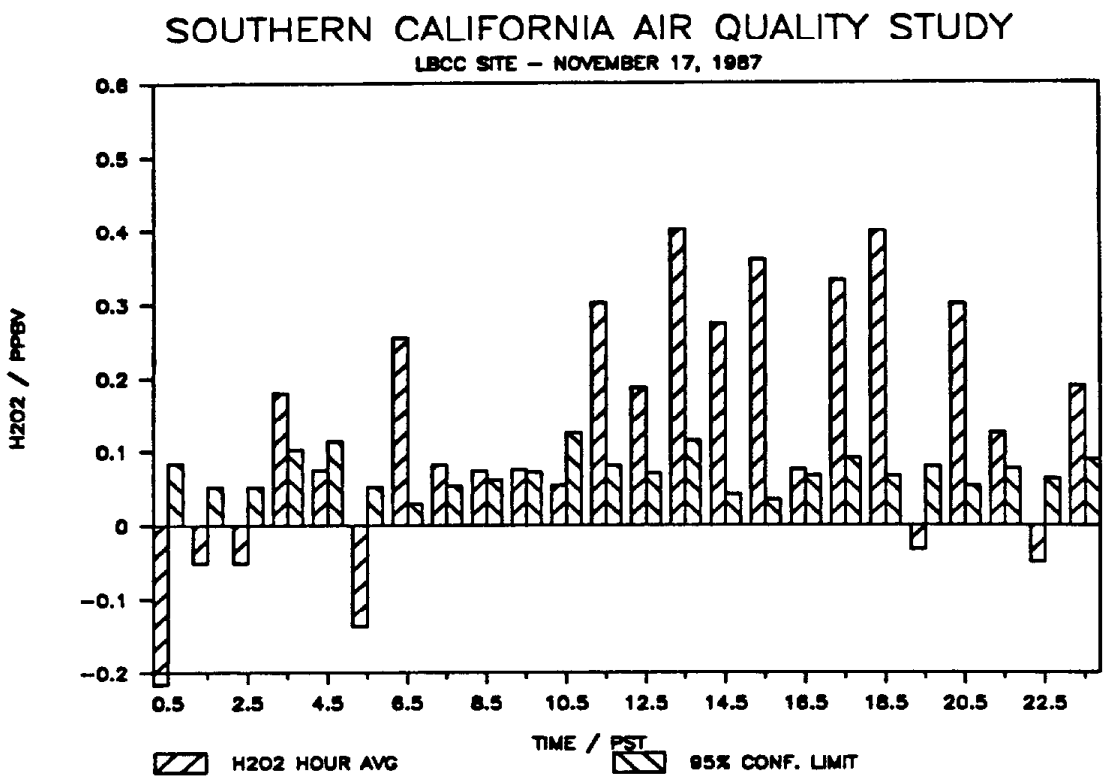
BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.049	0.045	0.244	7.127	
1.5	0.092	0.088	0.236	5.541	
2.5	0.092	0.088	0.236	5.600	
3.5	0.039	0.047	0.189	4.691	
4.5	-0.029	0.051	-0.130	4.609	
5.5	0.097	0.052	0.391	4.090	
6.5	0.033	0.044	0.168	6.096	HARD DISK
7.5					FAILURE
8.5					AT 06:51
9.5					
10.5					
11.5					
12.5					CALIBRATION
13.5	-0.013	0.117	-0.025	6.063	AT 13:39
14.5	-0.099	0.057	-0.369	8.793	
15.5	-0.061	0.048	-0.282	4.342	
16.5	0.070	0.049	0.312	3.854	
17.5	0.143	0.069	0.432	4.153	
18.5	0.082	0.068	0.266	5.692	
19.5	0.192	0.064	0.571	9.461	
20.5	0.026	0.055	0.106	14.774	
21.5	-0.017	0.033	-0.117	12.713	
22.5	-0.005	0.046	-0.024	13.884	
23.5	0.178	0.038	0.731	11.366	

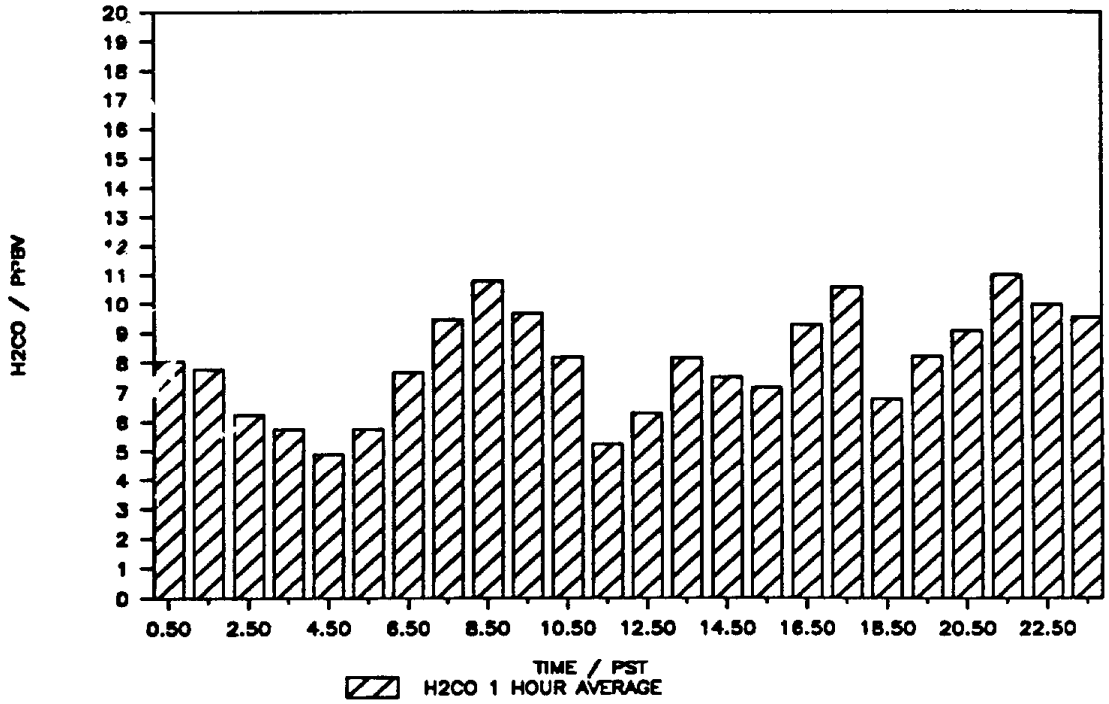

SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – NOVEMBER 16, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME / PST
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 16, 1987
JULIAN DATE: 320

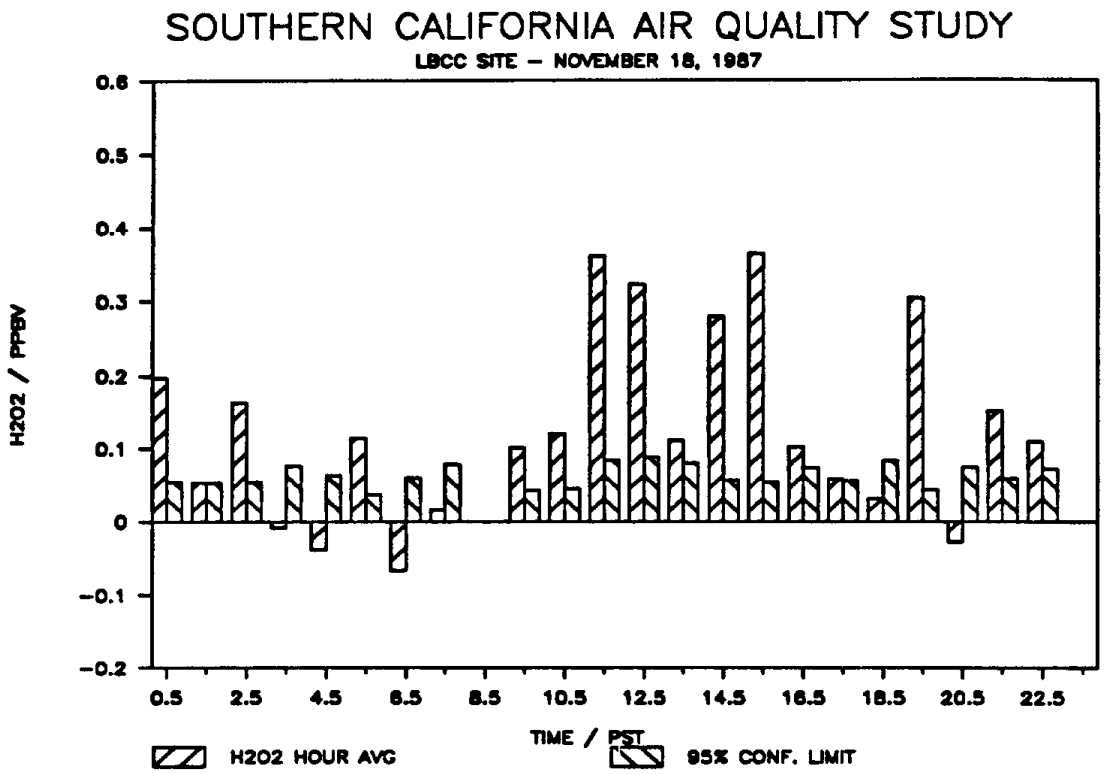
BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.069	0.062	-0.248	9.492	
1.5	0.019	0.050	0.085	8.112	
2.5	0.005	0.053	0.023	7.245	
3.5	0.055	0.046	0.264	6.631	
4.5	-0.254	0.053	-0.739	6.960	
5.5	-0.063	0.062	-0.230	6.772	
6.5	0.259	0.070	0.650	8.489	
7.5	-0.227	0.112	-0.422	10.220	DATA UNTIL
8.5					07:37
9.5					
10.5					
11.5					
12.5					
13.5					
14.5					CALIBRATION
15.5	0.012	0.060	0.045	4.103	AT 15:16
16.5	0.391	0.049	0.881	3.491	
17.5	0.078	0.074	0.237	4.295	
18.5	0.103	0.045	0.468	5.754	
19.5	0.202	0.069	0.560	10.869	
20.5	0.116	0.042	0.535	11.208	
21.5	0.012	0.047	0.059	11.863	
22.5	0.118	0.056	0.436	12.285	
23.5	-0.046	0.041	-0.250	9.579	

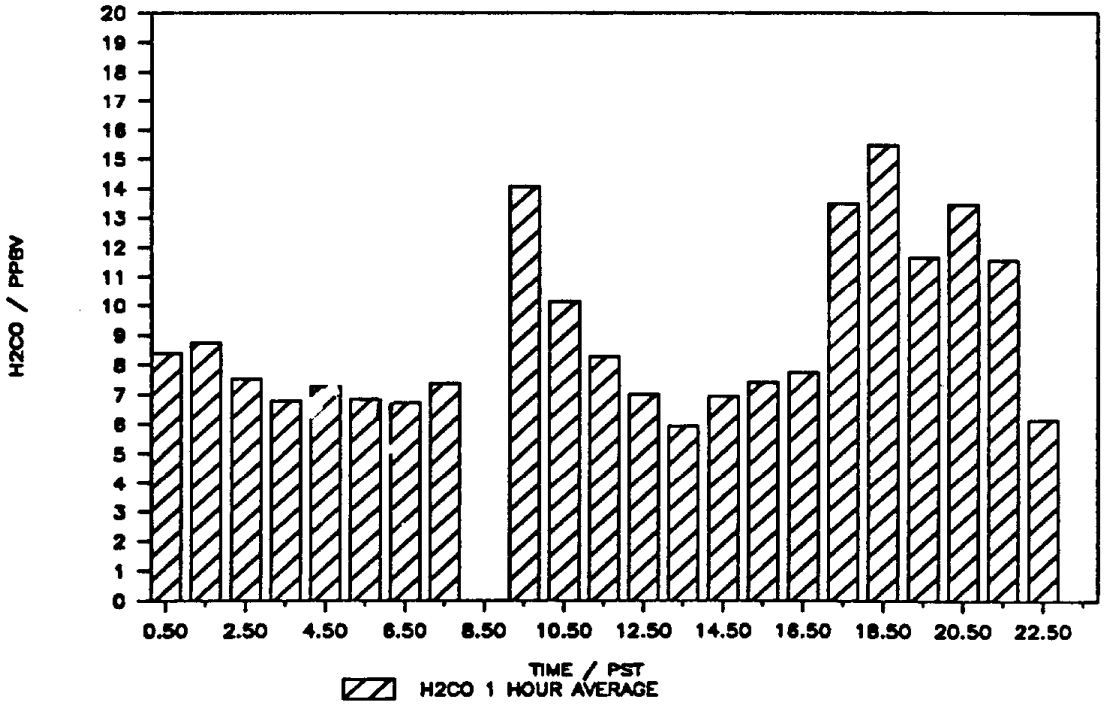

SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – NOVEMBER 17, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME / PST
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 17, 1987
JULIAN DATE: 321

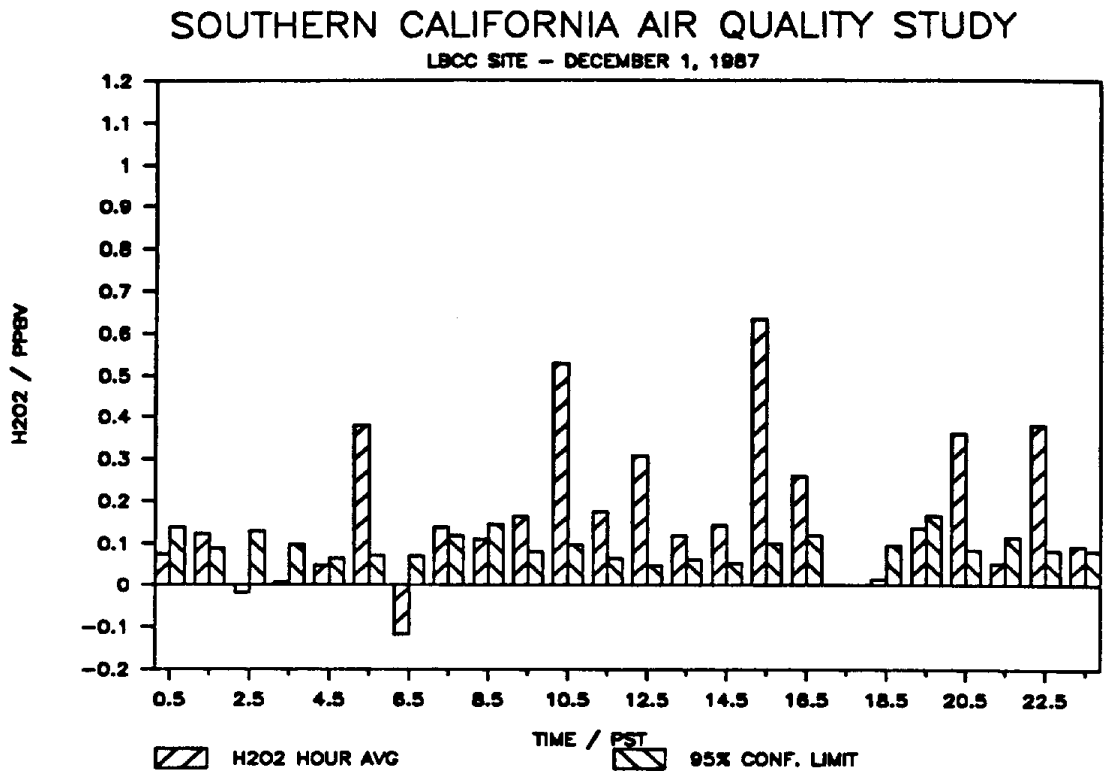
BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.202	0.083	-0.488	8.030	
1.5	-0.051	0.052	-0.220	7.760	
2.5	-0.051	0.052	-0.220	6.232	
3.5	0.180	0.102	0.375	5.738	
4.5	0.074	0.113	0.149	4.888	
5.5	-0.137	0.052	-0.519	5.743	
6.5	0.255	0.029	0.898	7.648	
7.5	0.082	0.053	0.333	9.443	CALIBRATION
8.5	0.073	0.061	0.266	10.765	07:22 TO 07:58
9.5	0.075	0.072	0.235	9.667	
10.5	0.054	0.124	0.099	8.162	
11.5	0.303	0.081	0.654	5.239	
12.5	0.187	0.070	0.523	6.287	
13.5	0.402	0.114	0.632	8.145	
14.5	0.275	0.042	0.831	7.498	
15.5	0.360	0.035	0.920	7.148	
16.5	0.075	0.067	0.250	9.284	
17.5	0.333	0.090	0.649	10.563	
18.5	0.400	0.066	0.812	6.760	
19.5	-0.032	0.079	-0.094	8.197	
20.5	0.301	0.053	0.794	9.083	
21.5	0.125	0.077	0.350	10.995	
22.5	-0.049	0.063	-0.178	9.966	
23.5	0.190	0.089	0.441	9.517	

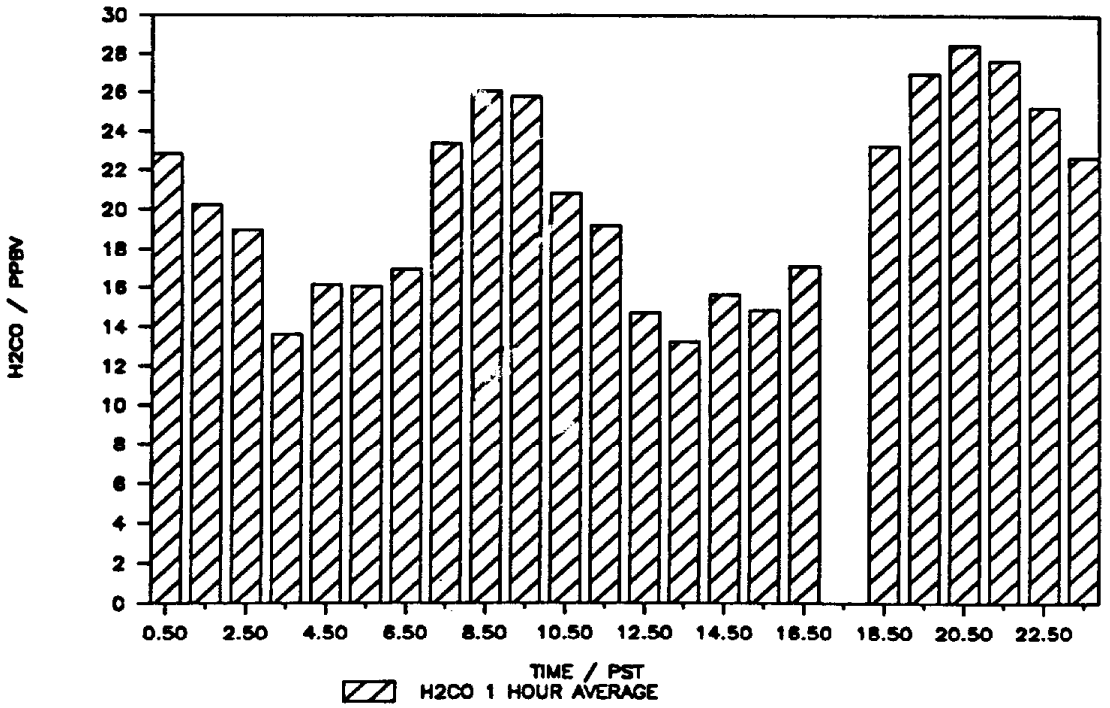

SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – NOVEMBER 18, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME / PST
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 18, 1987
JULIAN DATE: 322

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.197	0.054	0.643	8.392	
1.5	0.053	0.053	0.226	8.744	
2.5	0.163	0.055	0.568	7.522	
3.5	-0.008	0.076	-0.026	6.778	
4.5	-0.038	0.063	-0.139	7.251	
5.5	0.114	0.038	0.573	6.835	
6.5	-0.066	0.060	-0.246	6.704	
7.5	0.016	0.079	0.045	7.345	CALIBRATION
8.5					07:53 TO 09:03
9.5	0.101	0.043	0.474	14.054	
10.5	0.120	0.045	0.525	10.135	
11.5	0.361	0.084	0.703	8.270	
12.5	0.323	0.089	0.643	6.989	
13.5	0.110	0.080	0.303	5.909	
14.5	0.280	0.056	0.753	6.935	
15.5	0.364	0.054	0.839	7.409	
16.5	0.101	0.073	0.304	7.740	
17.5	0.059	0.056	0.236	13.487	
18.5	0.031	0.084	0.086	15.466	
19.5	0.304	0.043	0.850	11.637	
20.5	-0.028	0.074	-0.085	13.445	
21.5	0.152	0.059	0.510	11.534	
22.5	0.109	0.072	0.331	6.107	DATA
23.5					TO 22:36


SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – DECEMBER 1, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

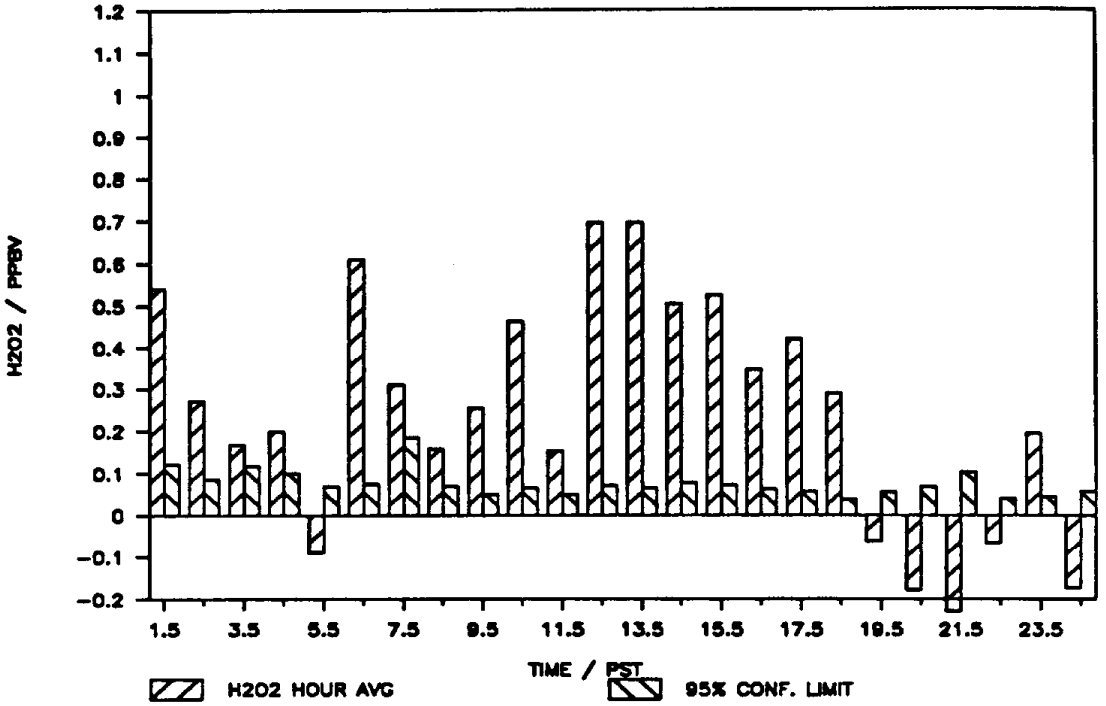

H2CO / PPBV
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME / PST
H2CO 1 HOUR AVERAGE

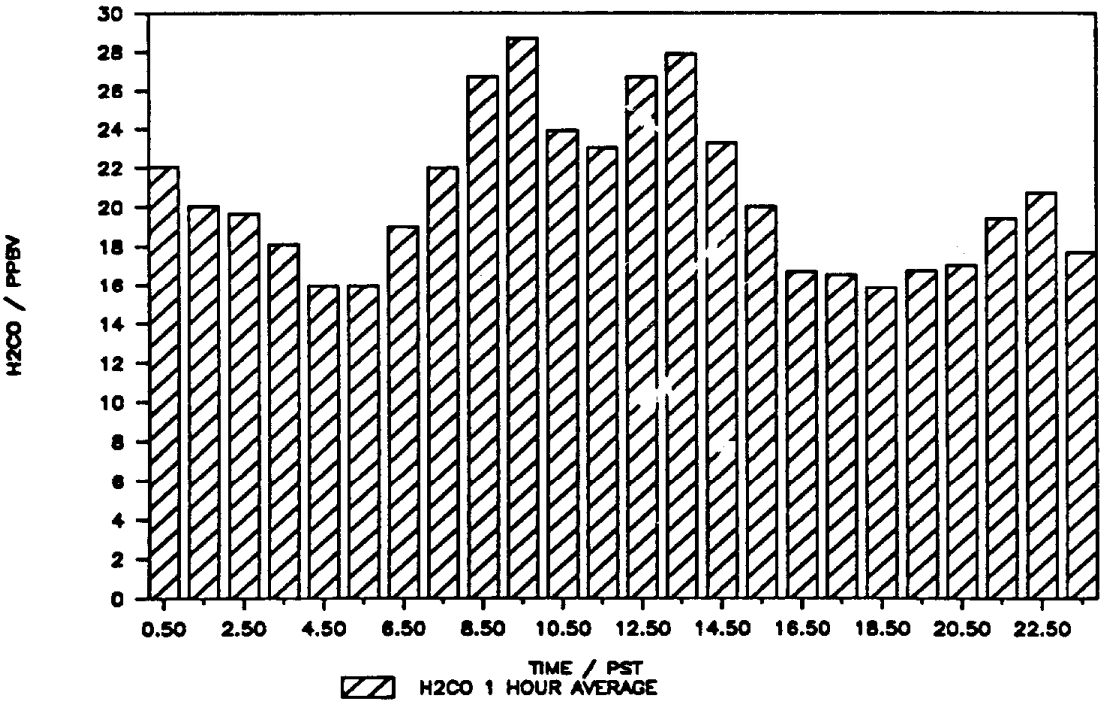
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 1, 1987
JULIAN DATE: 335

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.074	0.138	0.123	22.837	
1.5	0.123	0.088	0.306	20.246	
2.5	-0.019	0.129	-0.034	18.942	
3.5	0.008	0.097	0.020	13.603	
4.5	0.047	0.066	0.165	16.126	
5.5	0.380	0.072	0.771	16.039	
6.5	-0.117	0.071	-0.353	16.921	
7.5	0.138	0.119	0.260	23.377	
8.5	0.111	0.145	0.174	26.060	CALIBRATION
9.5	0.163	0.082	0.416	25.769	08:09 TO 08:39
10.5	0.530	0.098	0.779	20.854	
11.5	0.176	0.065	0.527	19.200	
12.5	0.307	0.049	0.824	14.743	
13.5	0.119	0.063	0.400	13.255	
14.5	0.142	0.054	0.518	15.645	
15.5	0.634	0.101	0.821	14.854	
16.5	0.258	0.120	0.446	17.113	CALIBRATION
17.5					16:49 TO 18:00
18.5	0.015	0.095	0.035	23.279	
19.5	0.135	0.166	0.184	26.920	
20.5	0.360	0.085	0.700	28.466	
21.5	0.052	0.116	0.104	27.679	
22.5	0.380	0.083	0.726	25.240	
23.5	0.094	0.083	0.253	22.683	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

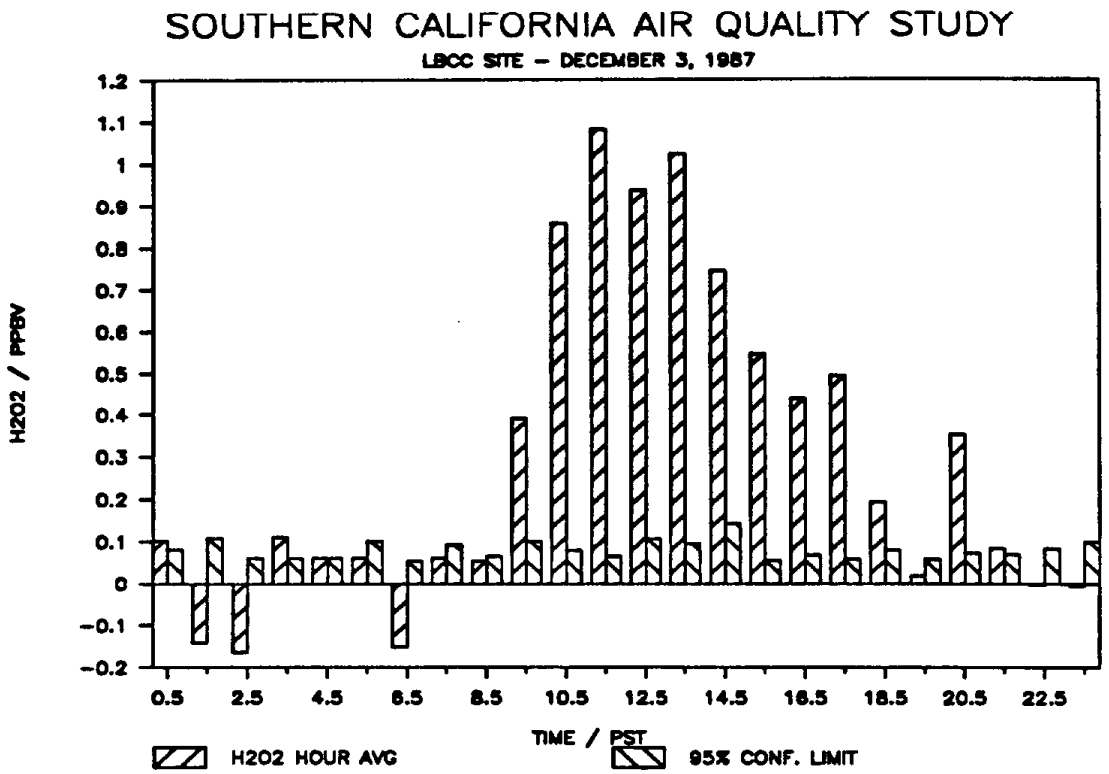
LBCC SITE – DECEMBER 2, 1987

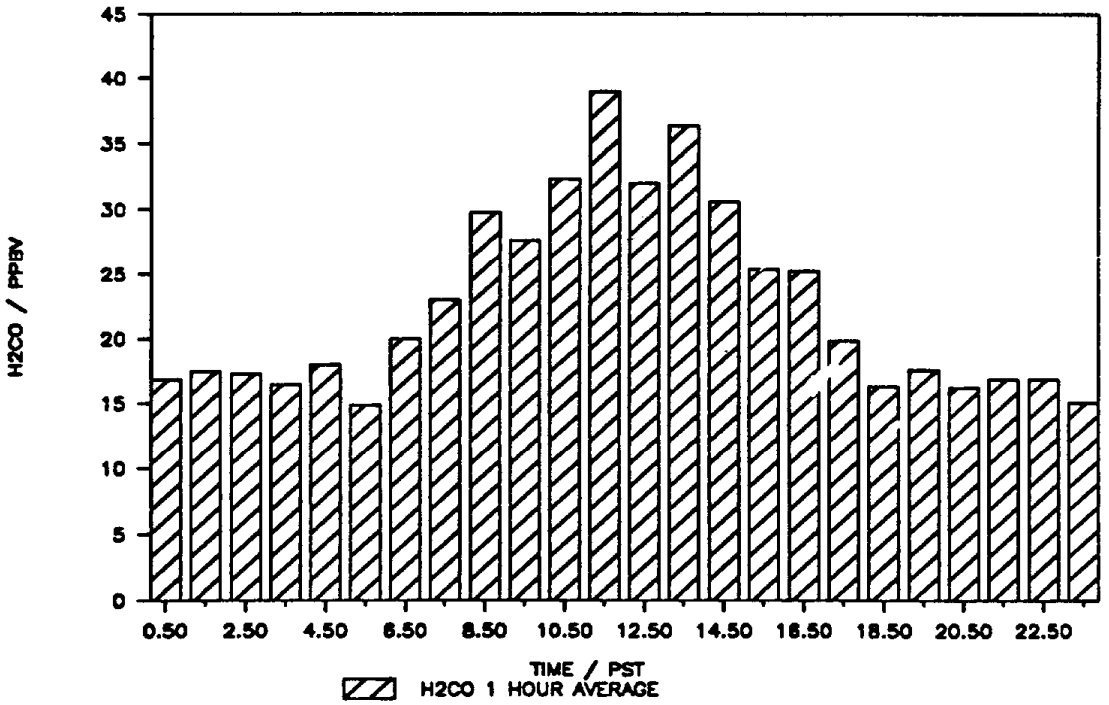




PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 2, 1987
JULIAN DATE: 336

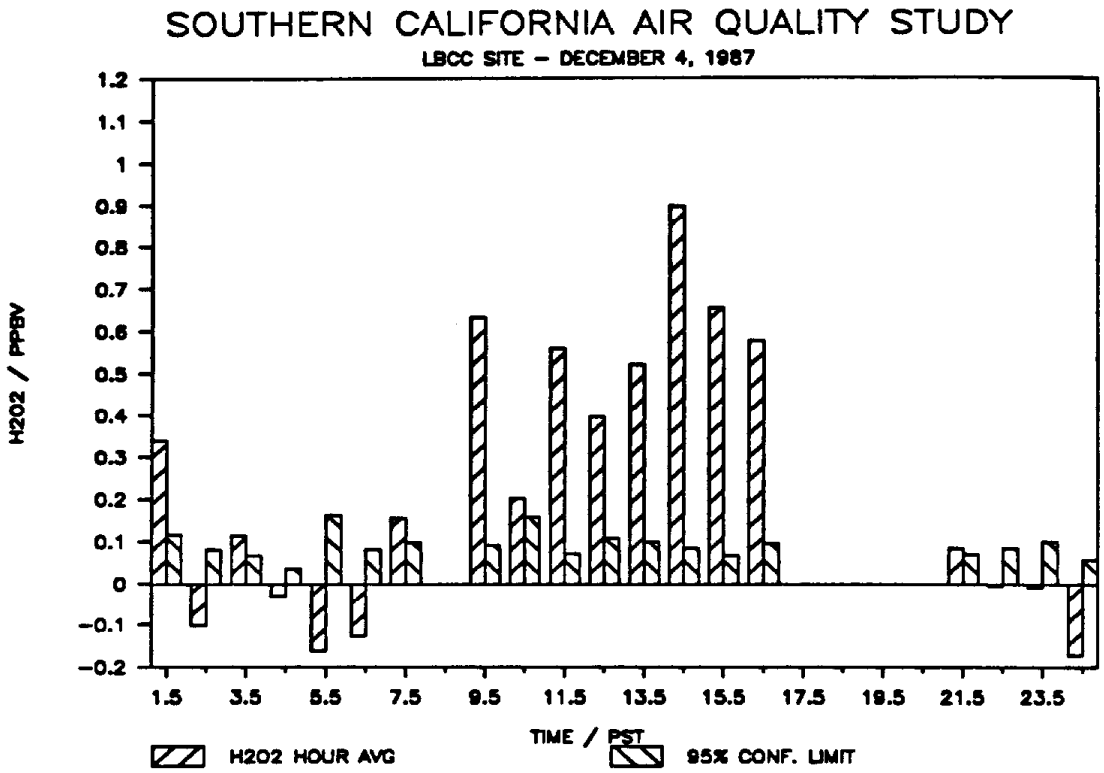
BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.541	0.122	0.717	22.039	
1.5	0.271	0.086	0.592	20.050	
2.5	0.168	0.118	0.310	19.648	
3.5	0.199	0.101	0.418	18.078	
4.5	-0.089	0.070	-0.283	15.968	
5.5	0.610	0.075	0.883	15.963	
6.5	0.310	0.185	0.364	18.981	
7.5	0.159	0.070	0.469	21.979	CALIBRATION
8.5	0.255	0.050	0.764	26.713	07:38 TO 08:22
9.5	0.463	0.066	0.853	28.703	
10.5	0.153	0.049	0.588	23.916	
11.5	0.697	0.071	0.916	23.021	
12.5	0.696	0.065	0.927	26.682	
13.5	0.505	0.078	0.834	27.879	
14.5	0.526	0.073	0.859	23.282	
15.5	0.346	0.063	0.787	20.021	
16.5	0.420	0.057	0.864	16.668	
17.5	0.289	0.038	0.870	16.534	
18.5	-0.061	0.055	-0.251	15.877	
19.5	-0.178	0.068	-0.519	16.732	
20.5	-0.280	0.103	-0.534	17.019	CALIBRATION
21.5	-0.065	0.040	-0.355	19.410	20:53 TO 21:17
22.5	0.195	0.044	0.720	20.706	
23.5	-0.172	0.057	-0.572	17.704	

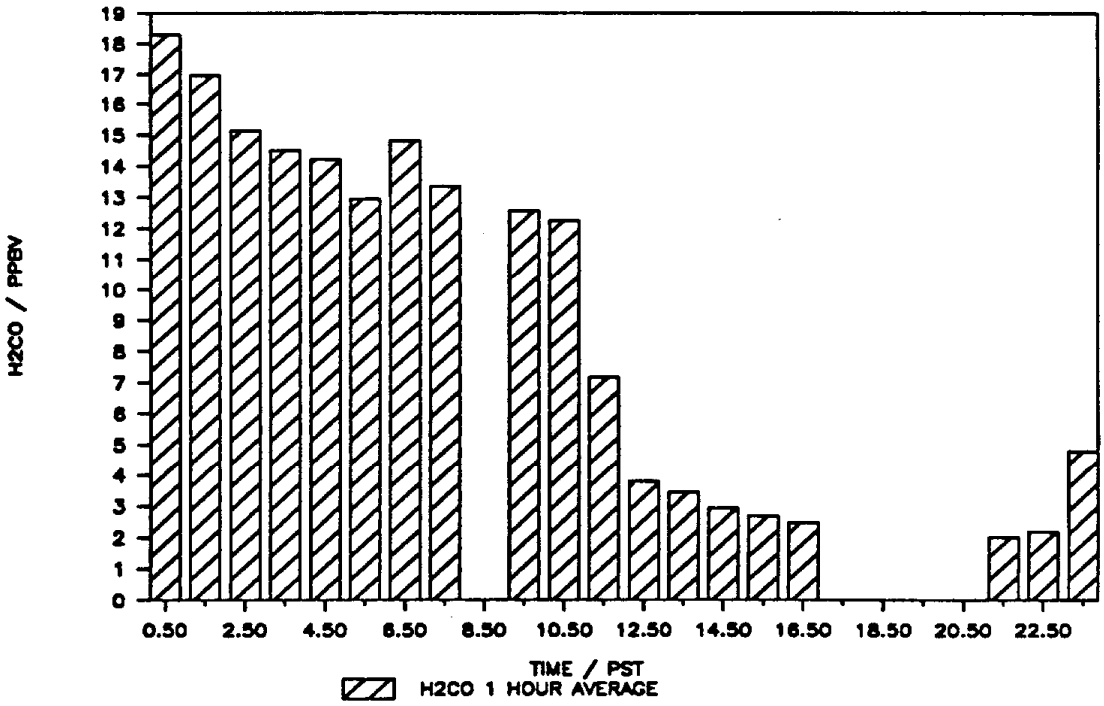

SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – DECEMBER 3, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
45
40
35
30
25
20
15
10
5
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME / PST
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 3, 1987
JULIAN DATE: 337

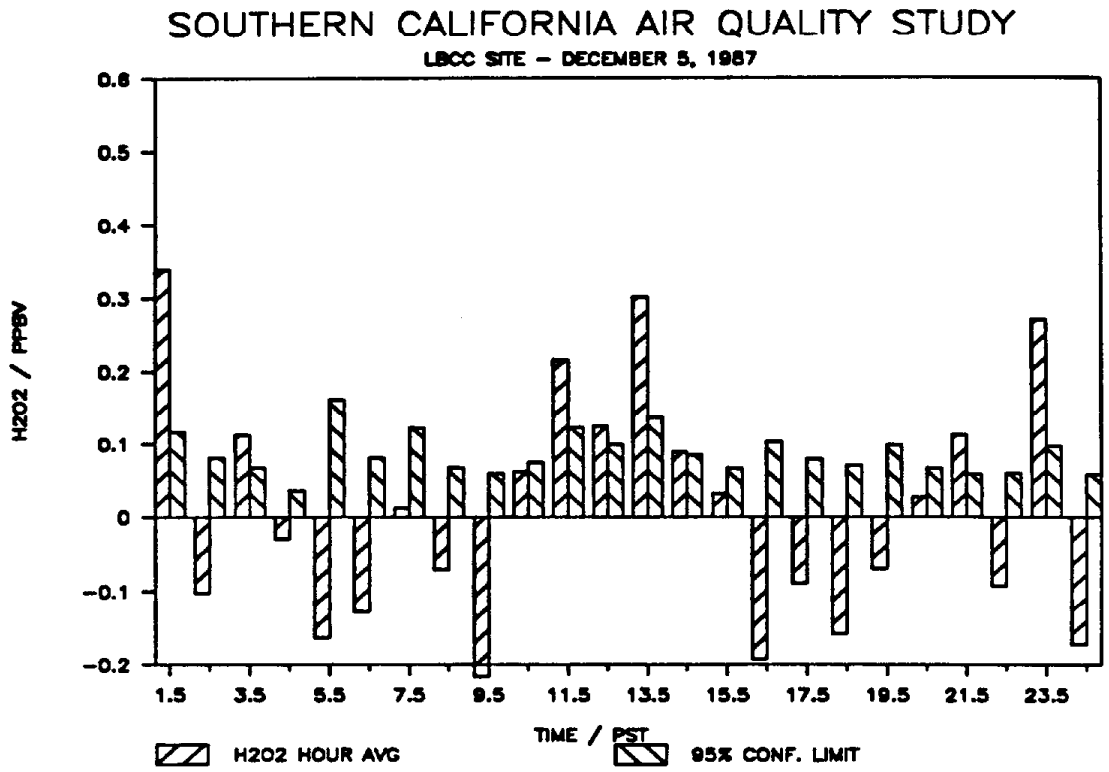
BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.102	0.081	0.256	16.836	
1.5	-0.142	0.108	-0.265	17.445	
2.5	-0.164	0.061	-0.488	17.280	
3.5	0.110	0.061	0.353	16.475	
4.5	0.060	0.060	-0.456	18.017	
5.5	0.060	0.101	0.123	14.888	
6.5	-0.151	0.054	-0.505	19.995	
7.5	0.061	0.092	0.138	23.020	CALIBRATION
8.5	0.053	0.066	0.166	29.798	07:02 TO 07:27
9.5	0.391	0.101	0.630	27.657	
10.5	0.858	0.079	0.916	32.367	
11.5	1.081	0.065	0.961	38.973	
12.5	0.939	0.106	0.881	32.035	
13.5	1.023	0.095	0.913	36.367	
14.5	0.746	0.142	0.740	30.607	
15.5	0.546	0.056	0.899	25.417	
16.5	0.438	0.068	0.804	25.245	
17.5	0.494	0.059	0.869	19.864	
18.5	0.193	0.079	0.455	16.321	
19.5	0.019	0.058	0.068	17.595	
20.5	0.353	0.073	0.710	16.220	
21.5	0.084	0.070	0.244	16.884	
22.5	-0.005	0.083	-0.013	16.893	
23.5	-0.007	0.099	-0.014	15.089	

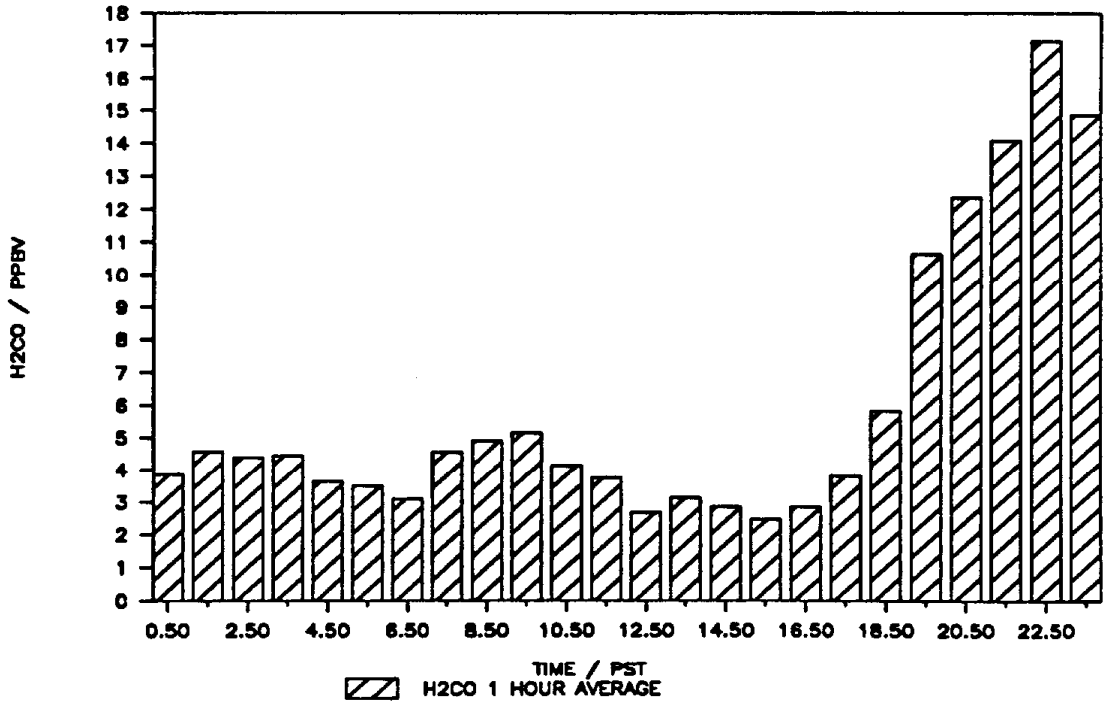

SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – DECEMBER 4, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
1.5
3.5
5.5
7.5
9.5
11.5
13.5
15.5
17.5
19.5
21.5
23.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME / PST
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 4, 1987
JULIAN DATE: 338

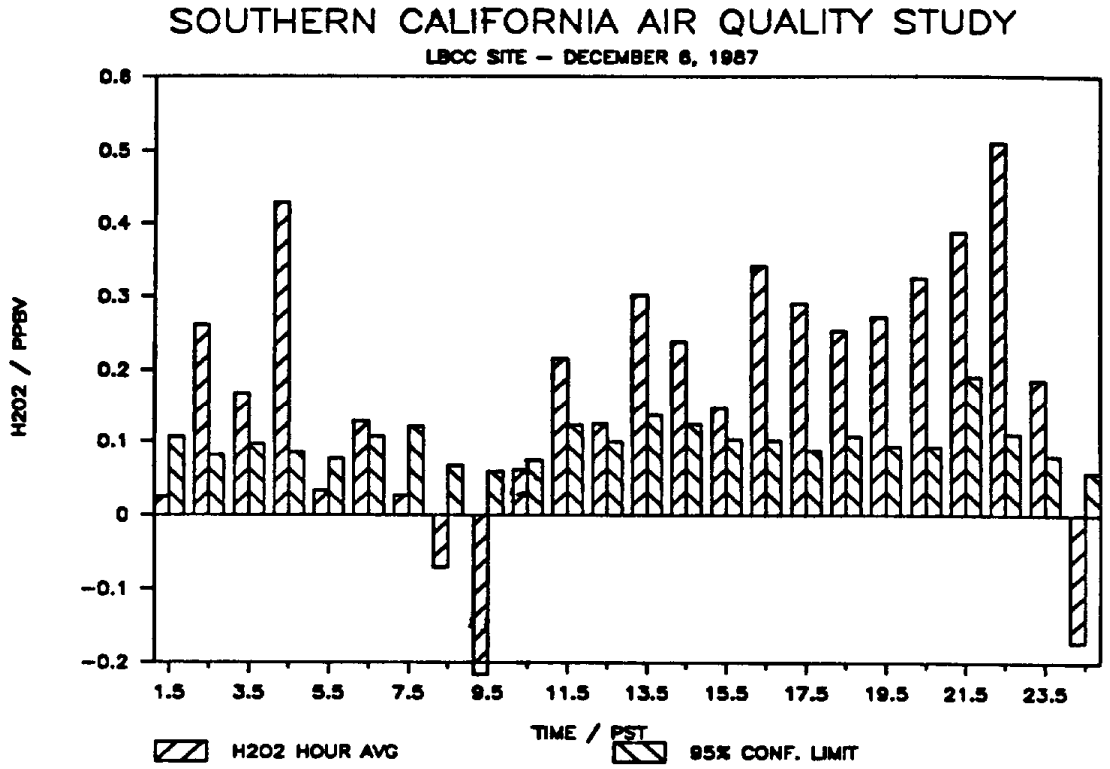
BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.339	0.117	0.557	18.295	
1.5	-0.102	0.081	-0.280	16.968	
2.5	0.113	0.067	0.363	15.150	
3.5	-0.029	0.036	-0.182	14.512	
4.5	-0.163	0.162	-0.228	14.232	
5.5	-0.128	0.081	-0.335	12.945	
6.5	0.155	0.097	0.347	14.815	
7.5	0.053	0.066	0.166	13.368	
8.5					CALIBRATION
9.5	0.201	0.157	0.285	12.561	08:08 TO 09:09
10.5	0.559	0.071	0.878	12.262	
11.5	0.396	0.108	0.650	7.170	
12.5	0.521	0.099	0.773	3.784	
13.5	0.899	0.083	0.929	3.444	
14.5	0.656	0.067	0.915	2.951	
15.5	0.578	0.095	0.817	2.691	
16.5	0.494	0.059	0.869	2.478	
17.5					HEAVY RAIN.
18.5					WATER IN
19.5					WHITE CELL.
20.5					
21.5	-0.005	0.083	-0.013	2.026	
22.5	-0.007	0.099	-0.014	2.203	
23.5	-0.172	0.057	-0.572	4.779	

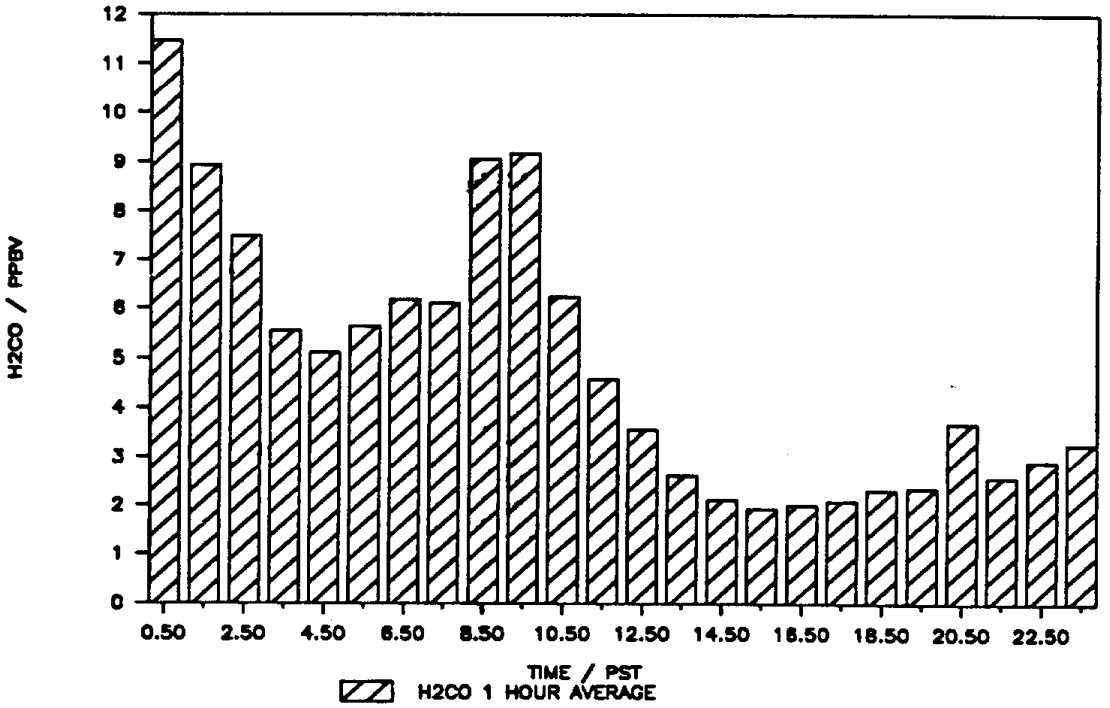

SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – DECEMBER 5, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
1.5
3.5
5.5
7.5
9.5
11.5
13.5
15.5
17.5
19.5
21.5
23.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME / PST
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 5, 1987
JULIAN DATE: 339

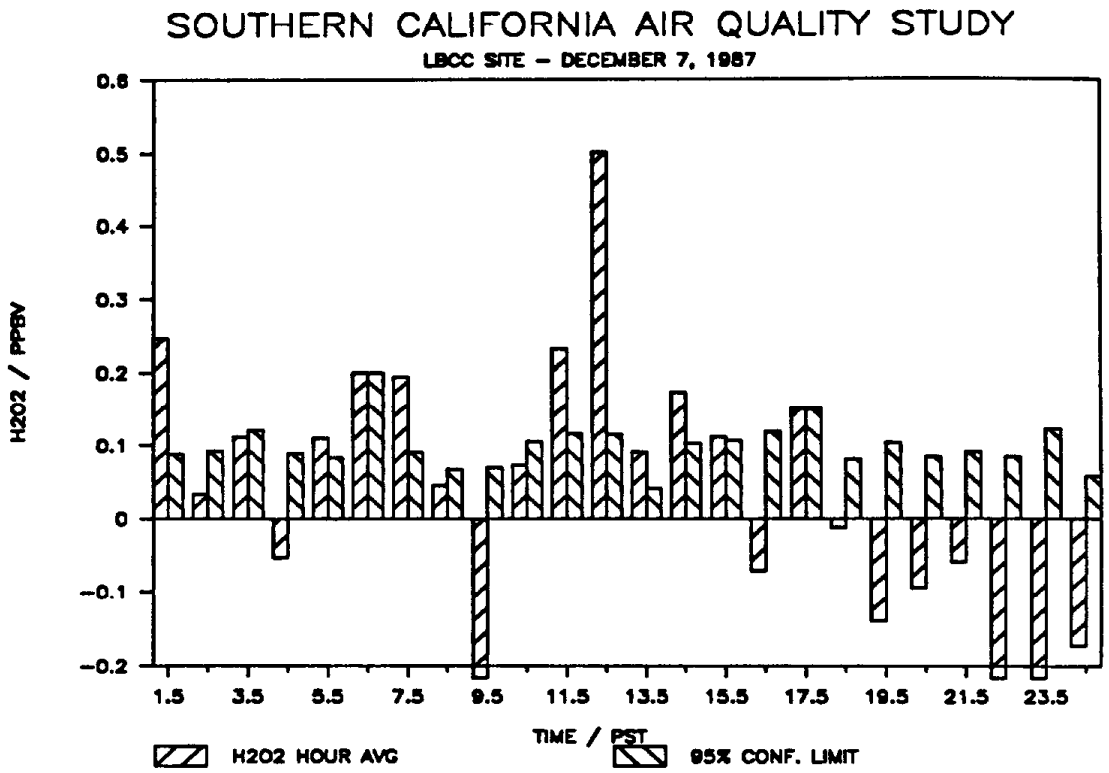
BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.339	0.117	0.557	3.857	
1.5	-0.102	0.081	-0.280	4.566	
2.5	0.113	0.067	0.363	4.386	
3.5	-0.029	0.036	-0.182	4.436	
4.5	-0.163	0.162	-0.228	3.627	
5.5	-0.128	0.081	-0.335	3.489	
6.5	0.012	0.122	0.022	3.090	CALIBRATION
7.5	-0.070	0.067	-0.221	4.539	06:45 TO 07:10
8.5	-0.233	0.059	-0.634	4.899	
9.5	0.061	0.074	0.176	5.162	
10.5	0.216	0.123	0.358	4.121	
11.5	0.125	0.100	0.263	3.754	
12.5	0.302	0.137	0.433	2.685	
13.5	0.089	0.085	0.223	3.127	
14.5	0.032	0.066	0.104	2.861	
15.5	-0.193	0.104	-0.376	2.473	
16.5	-0.089	0.079	-0.239	2.862	
17.5	-0.158	0.070	0.420	3.822	
18.5	-0.069	0.099	-0.149	5.834	
19.5	0.027	0.066	0.087	10.636	
20.5	0.113	0.058	0.392	12.372	
21.5	-0.093	0.059	-0.323	14.078	
22.5	0.271	0.097	0.520	17.142	
23.5	-0.172	0.057	-0.572	14.870	

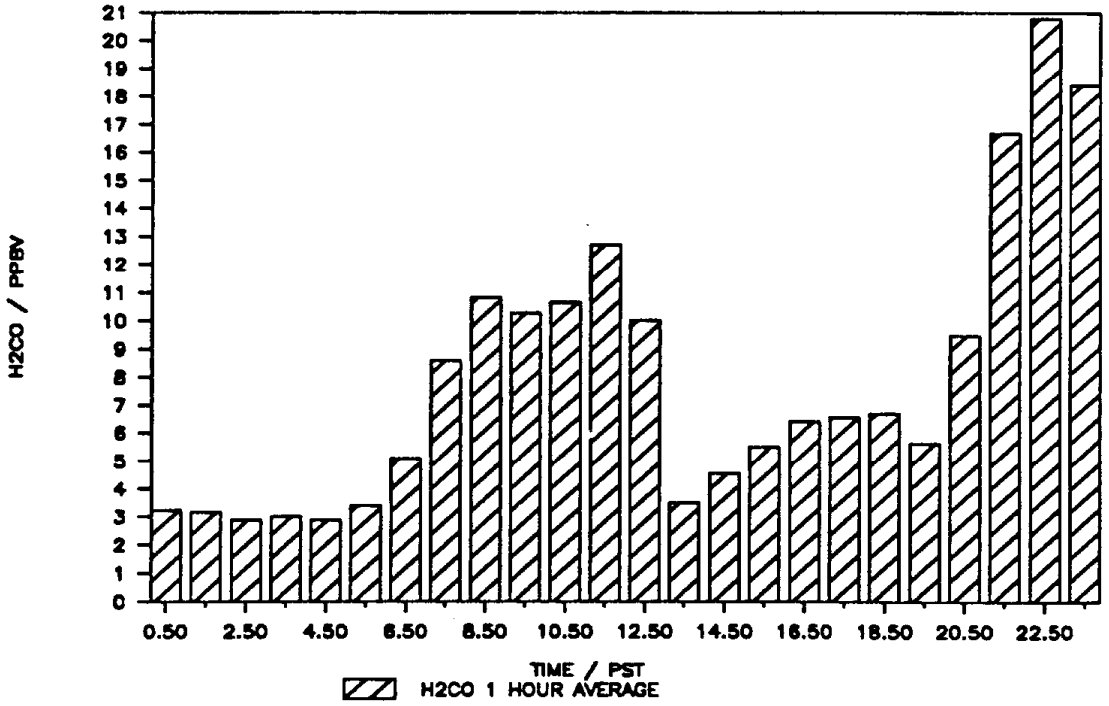

SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – DECEMBER 6, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
1.5
3.5
5.5
7.5
9.5
11.5
13.5
15.5
17.5
19.5
21.5
23.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
12
11
10
9
8
7
6
5
4
3
2
1
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME / PST
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 6, 1987
JULIAN DATE: 340

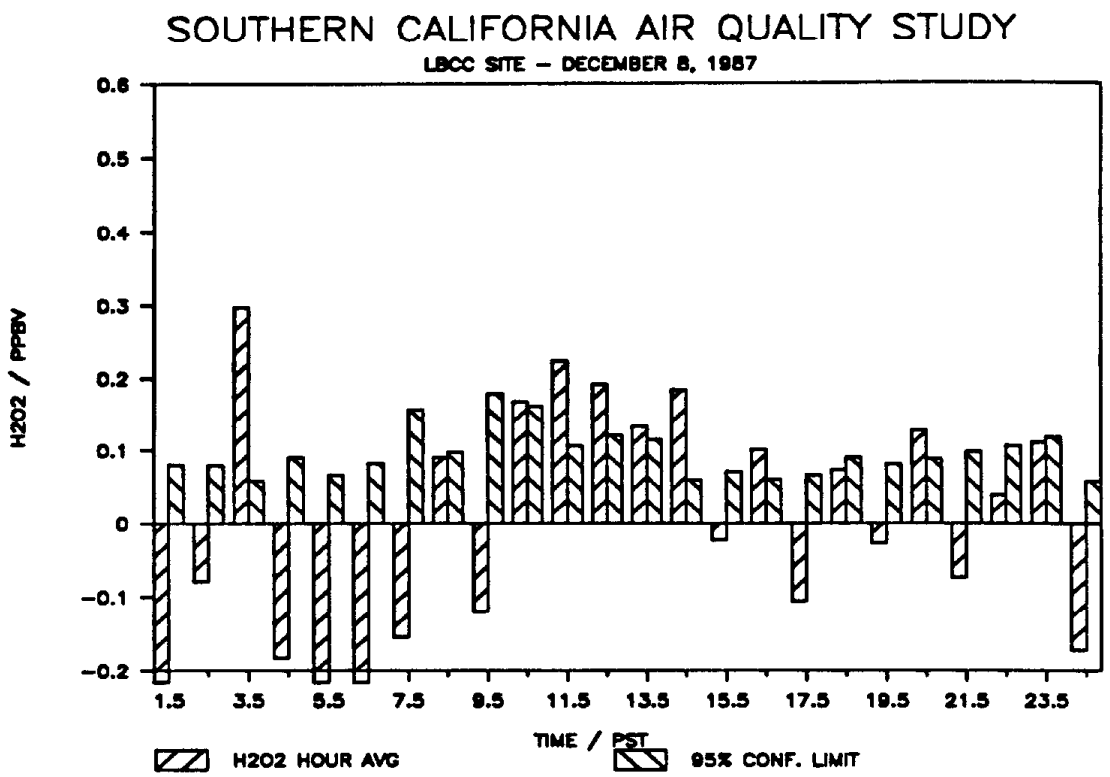
BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.025	0.106	0.051	11.464	
1.5	0.261	0.082	0.571	8.932	
2.5	0.167	0.096	0.356	7.483	
3.5	0.429	0.085	0.739	5.549	
4.5	0.033	0.077	0.093	5.107	
5.5	0.128	0.107	0.253	5.621	
6.5	0.027	0.121	0.048	6.166	
7.5	-0.070	0.067	-0.221	6.091	CALIBRATION
8.5	-0.233	0.059	-0.634	9.048	07:51 TO 08:30
9.5	0.061	0.074	0.176	9.155	
10.5	0.216	0.123	0.358	6.225	
11.5	0.125	0.100	0.263	4.577	
12.5	0.302	0.137	0.433	3.553	
13.5	0.238	0.124	0.388	2.612	
14.5	0.146	0.103	0.296	2.106	
15.5	0.341	0.101	0.593	1.925	
16.5	0.291	0.087	0.591	1.994	
17.5	0.253	0.107	0.459	2.084	
18.5	0.272	0.093	0.536	2.315	
19.5	0.325	0.092	0.612	2.351	
20.5	0.387	0.190	0.473	3.690	
21.5	0.510	0.110	0.711	2.566	
22.5	0.185	0.080	0.450	2.907	
23.5	-0.172	0.057	-0.572	3.263	

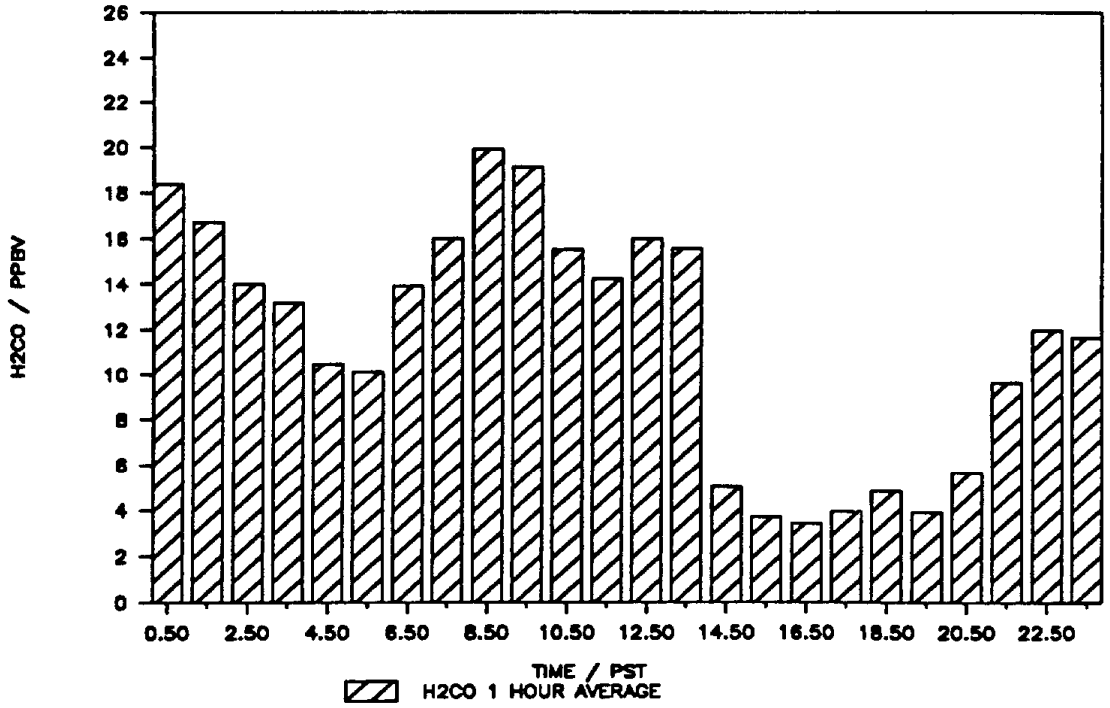

SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – DECEMBER 7, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
1.5
3.5
5.5
7.5
9.5
11.5
13.5
15.5
17.5
19.5
21.5
23.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME / PST
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 7, 1987
JULIAN DATE: 341

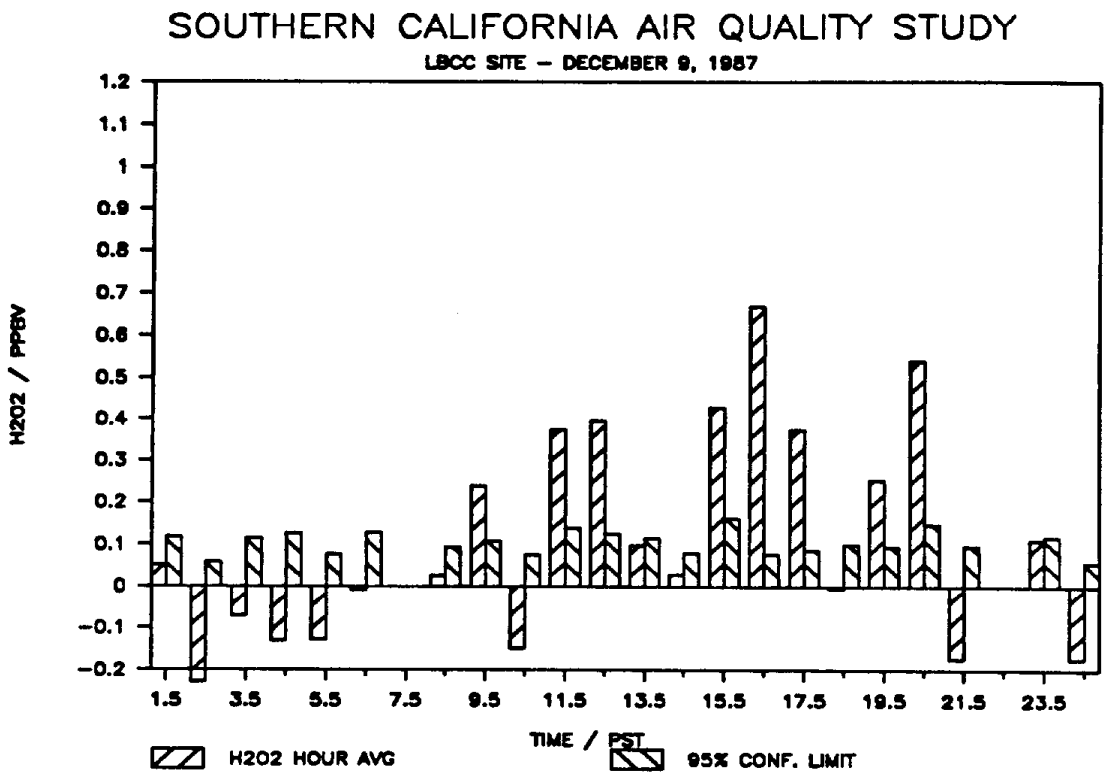
BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.247	0.088	0.520	3.238	
1.5	0.033	0.092	0.077	3.160	
2.5	0.112	0.121	0.199	2.877	
3.5	-0.053	0.089	-0.129	3.025	
4.5	0.110	0.083	0.277	2.885	
5.5	0.200	0.200	0.253	3.399	
6.5	0.194	0.091	0.422	5.090	CALIBRATION
7.5	0.045	0.067	0.147	8.592	06:19 TO 06:45
8.5	-0.214	0.069	0.558	10.813	
9.5	0.073	0.105	0.150	10.269	
10.5	0.233	0.116	0.387	10.666	
11.5	0.502	0.115	0.691	12.719	
12.5	0.091	0.041	0.439	10.024	
13.5	0.173	0.103	0.346	3.492	
14.5	0.112	0.107	0.274	4.570	
15.5	-0.071	0.119	-0.130	5.509	
16.5	0.150	0.150	0.591	6.412	
17.5	-0.012	0.081	-0.032	6.580	
18.5	-0.139	0.104	-0.280	6.710	
19.5	-0.094	0.084	-0.237	5.634	
20.5	-0.059	0.091	-0.139	9.498	
21.5	-0.236	0.084	-0.523	16.693	
22.5	-0.201	0.122	-0.338	20.802	
23.5	-0.172	0.057	-0.572	18.409	

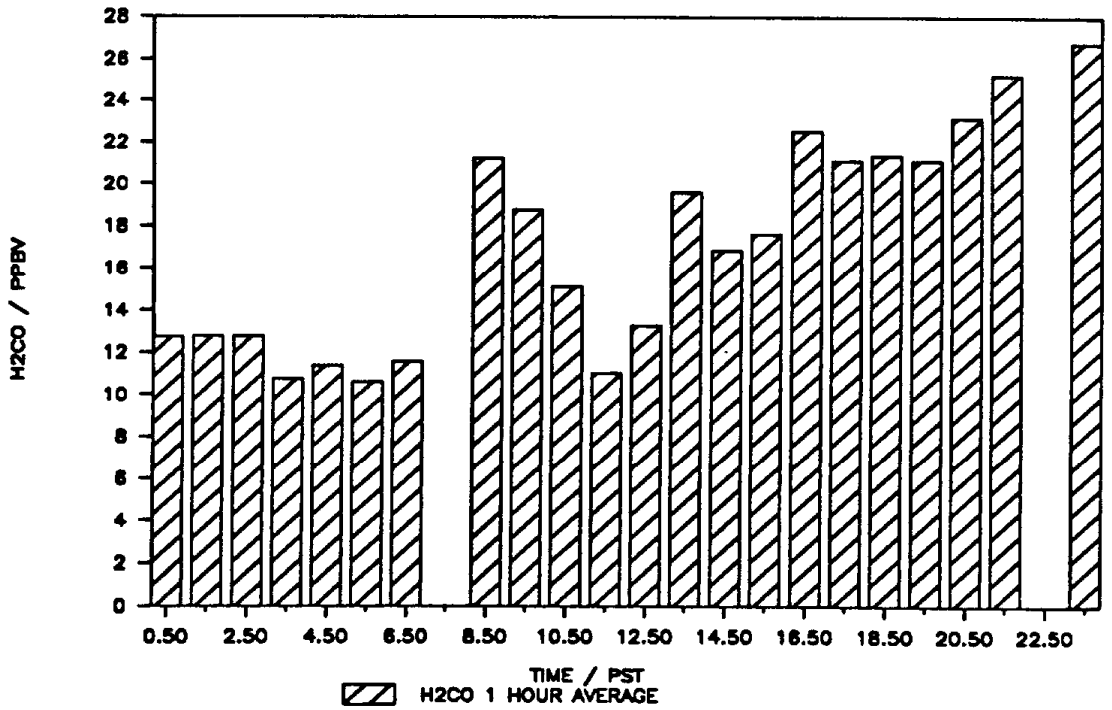

SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – DECEMBER 8, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
1.5
3.5
5.5
7.5
9.5
11.5
13.5
15.5
17.5
19.5
21.5
23.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
26
24
22
20
18
16
14
12
10
8
6
4
2
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME / PST
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 8, 1987
JULIAN DATE: 342

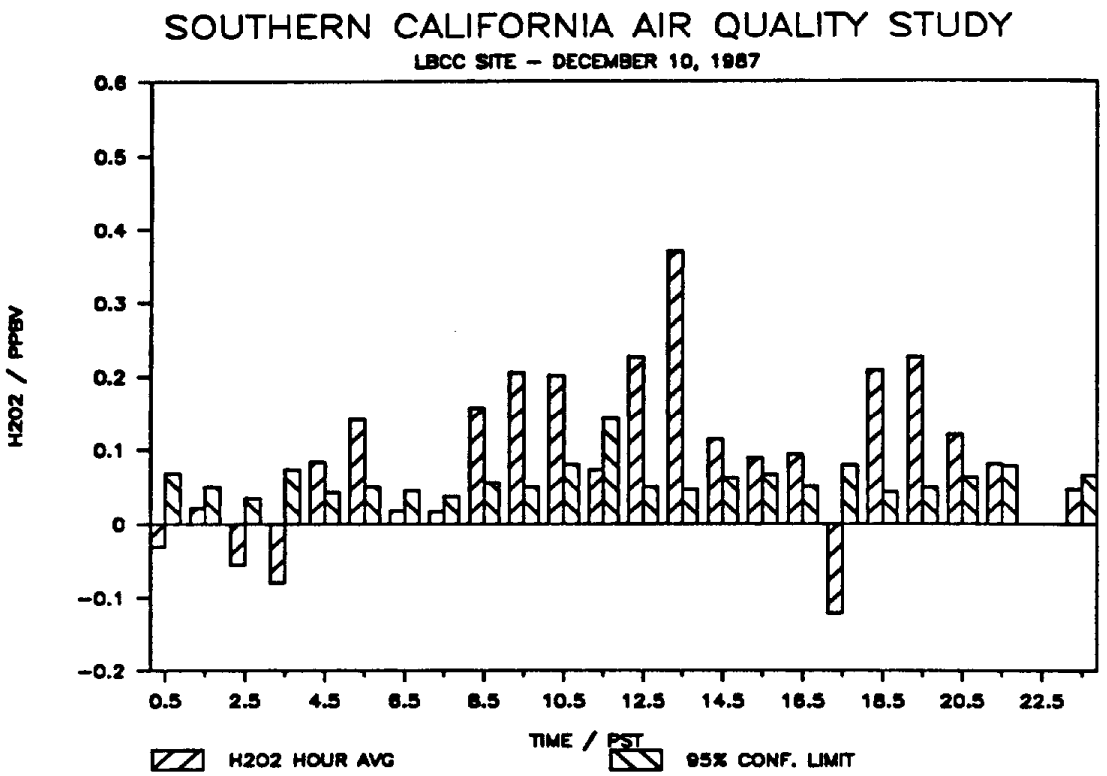
BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.261	0.080	-0.588	18.374	
1.5	-0.078	0.079	-0.216	16.704	
2.5	0.297	0.058	0.750	13.996	
3.5	-0.183	0.090	-0.411	13.158	
4.5	-0.251	0.065	-0.654	10.464	
5.5	-0.574	0.082	-0.842	10.125	
6.5	-0.154	0.156	-0.215	13.903	
7.5	0.090	0.097	0.203	16.006	CALIBRATION
8.5	-0.120	0.179	-0.149	19.925	07:40 TO 08:26
9.5	0.167	0.161	0.226	19.131	
10.5	0.224	0.106	0.427	15.529	
11.5	0.192	0.121	0.310	14.267	
12.5	0.133	0.115	0.250	16.008	
13.5	0.184	0.059	0.572	15.596	
14.5	-0.023	0.070	-0.072	5.058	
15.5	0.101	0.060	0.351	3.739	
16.5	-0.105	0.065	-0.339	3.437	
17.5	0.073	0.090	0.179	3.959	
18.5	-0.027	0.081	-0.075	4.848	
19.5	0.127	0.088	0.305	3.935	
20.5	-0.073	0.098	-0.164	5.679	
21.5	0.039	0.106	0.082	9.664	
22.5	0.111	0.118	0.207	11.974	
23.5	-0.172	0.057	-0.572	11.649	

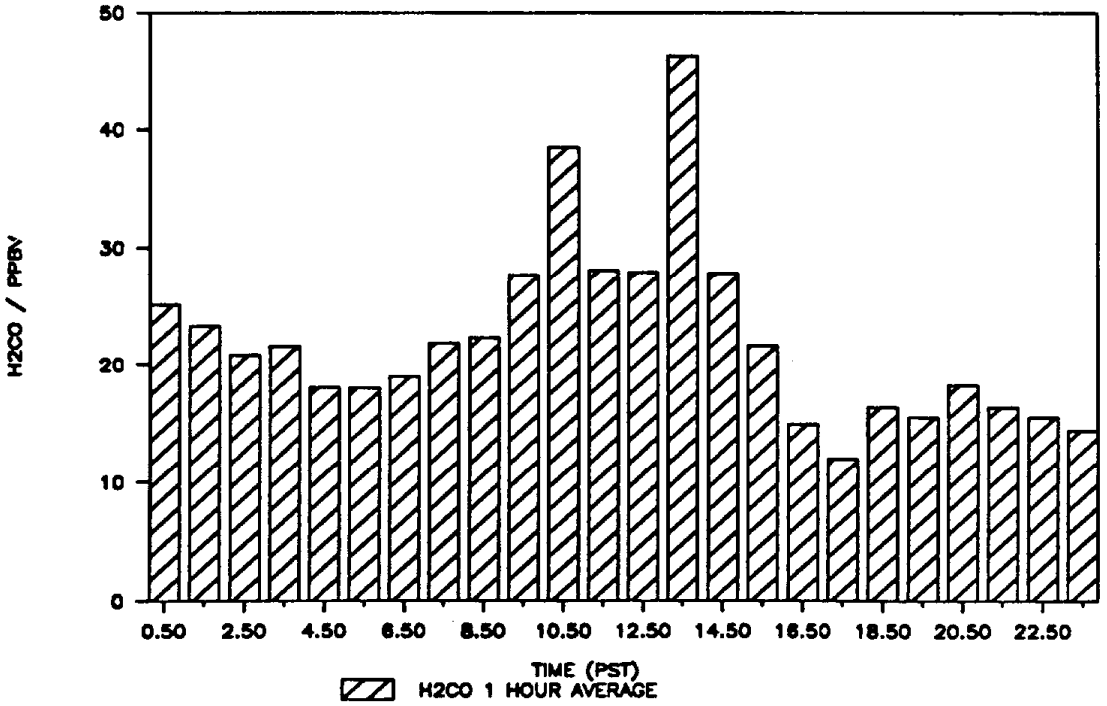

SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – DECEMBER 9, 1987
H2O2 / PPBV
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
TIME / PST
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 9, 1987
JULIAN DATE: 343

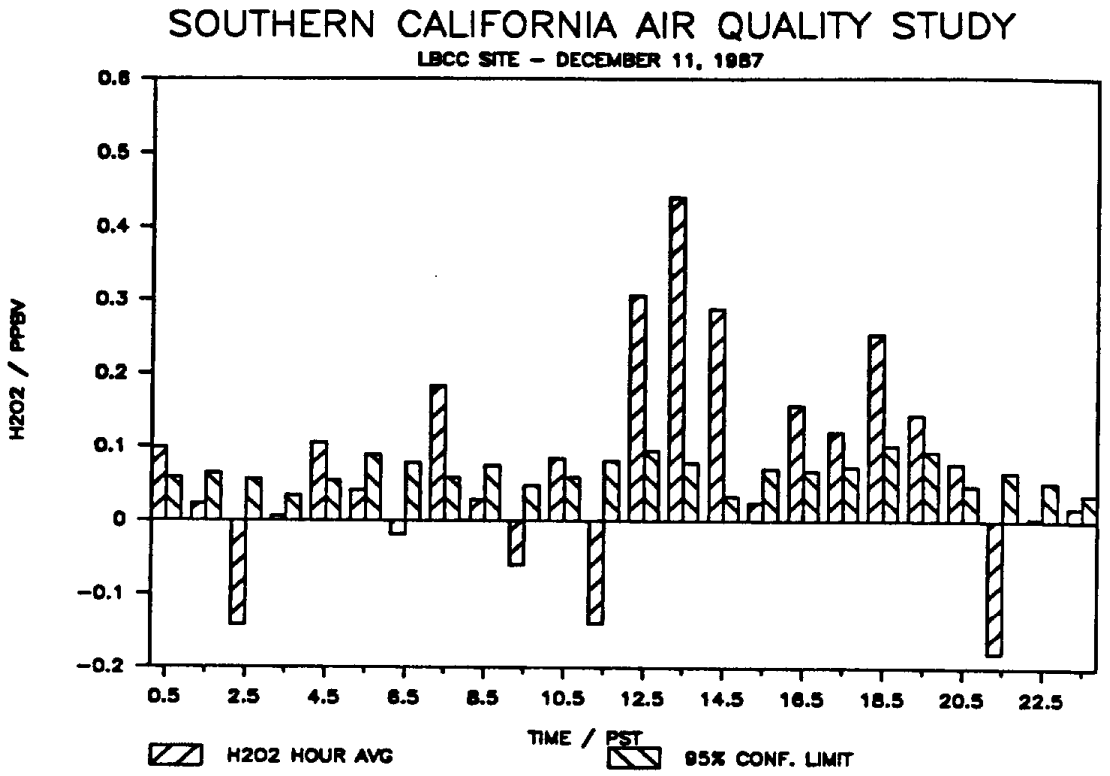
BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.051	0.118	0.094	12.734	
1.5	-0.555	0.058	-0.903	12.776	
2.5	-0.070	0.114	-0.134	12.758	
3.5	-0.131	0.126	-0.224	10.752	
4.5	-0.128	0.077	-0.345	11.369	
5.5	-0.008	0.127	-0.104	10.620	
6.5	-0.154	0.156	-0.215	11.556	
7.5					CALIBRATION
8.5	0.238	0.107	0.441	21.217	7:07 TO 8:02
9.5	-0.149	0.075	-0.403	18.773	
10.5	0.373	0.138	0.516	15.156	
11.5	0.395	0.125	0.575	11.039	
12.5	0.098	0.115	0.186	13.279	
13.5	0.028	0.079	0.079	19.619	
14.5	0.426	0.161	0.507	16.866	
15.5	0.668	0.076	0.892	17.657	
16.5	0.373	0.086	0.697	22.530	
17.5	-0.004	0.099	-0.010	21.111	
18.5	0.252	0.095	0.509	21.382	
19.5	0.539	0.148	0.631	21.133	
20.5	-0.173	0.096	-0.372	23.151	
21.5	0.039	0.106	0.082	25.231	CALIBRATION
22.5					22:00 TO 23:48
23.5	-0.172	0.057	-0.572	26.757	

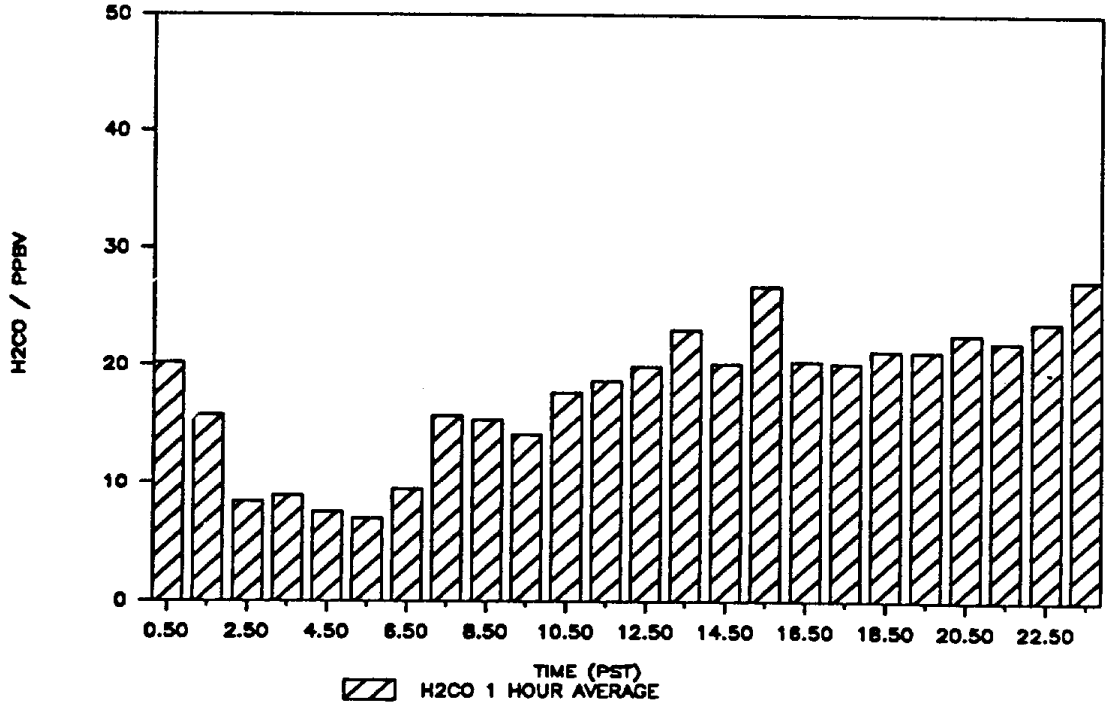

SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE – DECEMBER 10, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
50
40
30
20
10
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME (PST)
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 10, 1987
JULIAN DATE: 344

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.031	0.068	-0.103	25.053	
1.5	0.022	0.050	0.100	23.245	
2.5	-0.055	0.035	-0.338	20.767	
3.5	-0.079	0.073	-0.241	21.531	
4.5	0.083	0.043	0.408	18.075	
5.5	0.141	0.050	0.540	17.973	
6.5	0.018	0.045	0.091	18.952	
7.5	0.017	0.037	0.105	21.767	
8.5	0.157	0.056	0.536	22.217	
9.5	0.206	0.050	0.684	27.584	
10.5	0.202	0.080	0.499	38.488	
11.5	0.073	0.142	0.117	27.997	
12.5	0.227	0.050	0.718	27.832	
13.5	0.370	0.047	0.873	46.289	
14.5	0.114	0.062	0.388	27.751	
15.5	0.089	0.066	0.294	21.590	
16.5	0.094	0.051	0.391	14.922	
17.5	-0.122	0.079	-0.334	11.960	
18.5	0.209	0.044	0.737	16.379	
19.5	0.227	0.049	0.728	15.517	
20.5	0.121	0.063	0.400	18.229	
21.5	0.081	0.078	0.230	16.383	CALIBRATION
22.5				15.531	21:42 TO 22:38
23.5	0.047	0.065	0.162	14.390	


SOUTHERN CALIFORNIA AIR QUALITY STUDY
LBCC SITE - DECEMBER 11, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT


H2CO / PPBV
50
40
30
20
10
0
0.50
2.50
4.50
6.50
8.50
10.50
12.50
14.50
16.50
18.50
20.50
22.50
TIME (PST)
H2CO 1 HOUR AVERAGE

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 11, 1987
JULIAN DATE: 345

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.099	0.058	0.365	20.143	
1.5	0.023	0.064	0.083	15.710	
2.5	-0.142	0.056	-0.502	8.341	
3.5	0.006	0.034	0.043	8.854	
4.5	0.105	0.054	0.410	7.479	
5.5	0.041	0.089	0.105	6.914	
6.5	-0.019	0.078	-0.056	9.399	
7.5	0.183	0.058	0.584	15.686	
8.5	0.028	0.074	0.086	15.312	
9.5	-0.060	0.048	-0.277	14.019	
10.5	0.084	0.059	0.308	17.626	
11.5	-0.140	0.081	-0.368	18.640	
12.5	0.306	0.095	0.592	19.861	
13.5	0.440	0.078	0.791	22.984	
14.5	0.288	0.033	0.895	20.104	
15.5	0.024	0.070	0.077	26.762	
16.5	0.157	0.067	0.471	20.337	
17.5	0.120	0.073	0.352	20.179	
18.5	0.253	0.101	0.497	21.240	
19.5	0.144	0.093	0.334	21.188	
20.5	0.077	0.047	0.353	22.635	
21.5	-0.180	0.065	-0.536	22.007	
22.5	0.003	0.052	0.013	23.653	
23.5	0.018	0.036	0.116	27.288	