

TA7
C6
CER-83/84-30a

copy 2

WIND-TUNNEL STUDY OF CHIMNEY DOWNWASH
AT THE B.L. ENGLAND STATION OF THE
ATLANTIC CITY ELECTRIC COMPANY

(APPENDIX A)

by
J. E. Cermak¹, J. A. Peterka²
and J. A. Beatty³



Engineering Sciences

APR 11 1985

Branch Library

**FLUID MECHANICS AND
WIND ENGINEERING PROGRAM**

COLLEGE OF ENGINEERING

COLORADO STATE UNIVERSITY
FORT COLLINS, COLORADO

CER83-84 JEC-JAP-JAB 30a

WIND-TUNNEL STUDY OF CHIMNEY DOWNWASH
AT THE B.L. ENGLAND STATION OF THE
ATLANTIC CITY ELECTRIC COMPANY

(APPENDIX A)

by
J. E. Cermak¹, J. A. Peterka²
and J. A. Beatty³

prepared for

Stearns-Roger Engineering Corporation
4500 Cherry Creek Drive
Denver, Colorado 80217

Fluid Mechanics and Wind Engineering Program
Fluid Dynamics and Diffusion Laboratory
Colorado State University
Fort Collins, Colorado 80523

CSU Project 2-95800

June 1984

CER83-84JEC-JAP-JAB30a

¹Professor-in-Charge, Fluid Mechanics and Wind Engineering Program, and Director, Fluid Dynamics and Diffusion Laboratory, Colorado State University.

²Professor, Department of Civil Engineering, Colorado State University.

³Research Engineer, Department of Civil Engineering, Colorado State University.

APPENDIX A

Concentration Data

RUN # 1

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	1.10 M/S	11.22 M/S
VOL. FLOW	.13E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.79E+03	
CALIBRATION FACTOR	.40E+02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	.96 M/S	9.57 M/S
VOL. FLOW	.13E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.18E+03	
CALIBRATION FACTOR	.22E+02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.21E+03	
CALIBRATION FACTOR	.15E+02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1863	.357E-03
2	4382	.120E-02
3	7338	.219E-02
4	8137	.245E-02
5	6810	.201E-02
6	4567	.126E-02
7	2343	.517E-03
8	1164	.124E-03
9	3810	.101E-02
10	6280	.183E-02
11	7015	.208E-02
12	5761	.166E-02
13	3157	.789E-03
14	1285	.164E-03
15	2077	.423E-03
16	3841	.102E-02
17	4564	.125E-02
18	4415	.121E-02
19	3863	.103E-02
20	2633	.614E-03
21	1607	.272E-03
22	1239	.149E-03
23	2230	.480E-03
24	2930	.714E-03
25	2704	.638E-03
26	2249	.486E-03
27	1641	.283E-03
28	1027	.778E-04
29	3693	.968E-03
30	4652	.129E-02
31	3822	.101E-02
32	7232	.215E-02
33	8119	.245E-02
34	6850	.202E-02
35	5559	.159E-02
36	5506	.157E-02
37	4840	.135E-02
38	3837	.102E-02
39	3624	.945E-03
40	3148	.786E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1753	.364E-03
2	5467	.122E-02
3	10150	.229E-02
4	13109	.297E-02
5	13720	.311E-02
6	11771	.266E-02
7	6723	.150E-02
8	814	.146E-03
9	3913	.858E-03
10	7447	.167E-02
11	9340	.211E-02
12	8603	.194E-02
13	6054	.135E-02
14	2303	.488E-03
15	1782	.368E-03
16	3991	.876E-03
17	5229	.116E-02
18	5288	.117E-02
19	4957	.110E-02
20	3703	.810E-03
21	2169	.457E-03
22	724	.125E-03
23	2060	.432E-03
24	3140	.680E-03
25	2927	.631E-03
26	2560	.547E-03
27	1810	.374E-03
28	872	.159E-03
29	7666	.172E-02
30	12800	.290E-02
31	14195	.322E-02
32	9098	.205E-02
33	11261	.245E-02
34	11222	.254E-02
35	6337	.142E-02
36	6859	.154E-02
37	6519	.146E-02
38	4299	.947E-03
39	4155	.913E-03
40	3849	.843E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	793	.200E-04
2	2458	.772E-04
3	5313	.175E-03
4	8377	.281E-03
5	11073	.374E-03
6	10658	.359E-03
7	7415	.248E-03
8	481	.925E-05
9	2089	.645E-04
10	5022	.165E-03
11	7356	.244E-03
12	7954	.266E-03
13	5452	.215E-03
14	2694	.859E-04
15	1132	.316E-04
16	2837	.903E-04
17	4214	.139E-03
18	4694	.154E-03
19	4610	.153E-03
20	3780	.123E-03
21	2391	.745E-04
22	594	.131E-04
23	1647	.493E-04
24	2733	.867E-04
25	2698	.855E-04
26	2520	.794E-04
27	1902	.589E-04
28	1007	.273E-04
29	3070	.983E-04
30	6062	.201E-03
31	9494	.315E-03
32	5503	.182E-03
33	8090	.255E-03
34	9359	.315E-03
35	4637	.133E-03
36	5799	.192E-03
37	9776	.146E-03
38	5223	.117E-03
39	3718	.913E-03
40	3638	.118E-03

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.741E-03
2	.249E-02
3	.455E-02
4	.571E-02
5	.550E-02
6	.428E-02
7	.227E-02
8	.279E-03
9	.193E-02
10	.367E-02
11	.443E-02
12	.386E-02
13	.235E-02
14	.737E-03
15	.828E-03
16	.198E-02
17	.256E-02
18	.254E-02
19	.227E-02
20	.155E-02
21	.803E-03
22	.961E-03
23	.286E-03
24	.148E-02
25	.135E-02
26	.111E-02
27	.715E-03
28	.254E-03
29	.279E-03
30	.439E-02
31	.455E-02
32	.438E-02
33	.527E-02
34	.488E-02
35	.316E-02
36	.330E-02
37	.301E-02
38	.208E-02
39	.168E-02
40	.175E-02

RUN # 2

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	1.10 M/S	11.22 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.99E+03	
CALIBRATION FACTOR	.40E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.29E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.4700E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	1.85 M/S	9.58 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.33E+03	
CALIBRATION FACTOR	.16E-02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1146	.522E-04
2	1727	.248E-03
3	2508	.911E-03
4	2706	.577E-03
5	2224	.415E-03
6	1368	.127E-03
7	1008	.572E-05
8	1130	.468E-04
9	2576	.533E-03
10	4021	.102E-02
11	4030	.102E-02
12	2838	.622E-03
13	1531	.182E-03
14	1004	.438E-05
15	2090	.370E-03
16	3407	.813E-03
17	3925	.988E-03
18	3606	.880E-03
19	2882	.636E-03
20	1957	.325E-03
21	1321	.111E-03
22	1289	.100E-03
23	2350	.461E-03
24	2945	.658E-03
25	2764	.597E-03
26	2191	.404E-03
27	1592	.202E-03
28	1144	.515E-04
29	1062	.239E-04
30	1171	.606E-04
31	1019	.942E-05
32	3609	.881E-03
33	3509	.848E-03
34	3022	.684E-03
35	4112	.105E-02
36	4015	.102E-02
37	2899	.642E-03
38	3594	.876E-03
39	3293	.777E-03
40	2722	.583E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
565	.64E-04
1759	.341E-03
4154	.896E-03
5895	.130E-02
5810	.128E-02
3843	.824E-03
1818	.355E-03
5000	.496E-04
2363	.481E-03
5048	.110E-02
5585	.145E-02
5437	.119E-02
2471	.599E-03
1155	.201E-03
1669	.370E-03
3473	.320E-03
4548	.730E-03
4914	.101E-02
4164	.109E-02
2801	.693E-03
1538	.299E-03
747	.107E-03
2164	.433E-03
3116	.656E-03
3213	.670E-03
2546	.582E-03
1647	.313E-03
936	.151E-03
1242	.222E-03
2278	.461E-03
2637	.545E-03
5048	.110E-02
5503	.144E-02
6444	.143E-02
4874	.135E-02
5728	.120E-02
4705	.103E-02
4101	.884E-03
4219	.911E-03
3620	.772E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
396	.229E-05
835	.175E-04
2425	.726E-04
4623	.149E-03
5768	.188E-03
5464	.178E-03
3296	.103E-03
4000	.293E-03
1210	.305E-04
3460	.108E-03
5833	.191E-03
5323	.208E-03
4183	.134E-03
1823	.517E-04
1074	.258E-04
2425	.726E-04
3984	.127E-03
4784	.154E-03
4576	.147E-03
3550	.112E-03
2149	.630E-04
607	.960E-05
1754	.493E-04
2817	.862E-04
3197	.993E-04
2744	.836E-04
1984	.573E-04
1169	.291E-04
663	.119E-04
1538	.419E-04
3104	.451E-04
3414	.140E-03
5528	.107E-03
6584	.140E-03
2938	.217E-03
2277	.171E-03
5538	.175E-03
3565	.112E-03
4100	.131E-03
3870	.123E-03

TOTAL CONCENTRATION (GM/M**3)
.119E-03
.606E-03
.148E-03
.203E-02
.158E-03
.113E-03
.453E-04
.933E-04
.105E-02
.223E-03
.267E-03
.202E-03
.914E-03
.257E-03
.716E-03
.152E-02
.212E-03
.211E-02
.168E-02
.102E-02
.464E-03
.217E-03
.945E-03
.140E-02
.137E-02
.101E-02
.375E-03
.331E-03
.323E-03
.203E-03
.564E-03
.203E-02
.247E-02
.233E-02
.293E-03
.244E-03
.133E-03
.148E-02

RUN # 3

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	1.58 M/S	16.05 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.86E+03	
CALIBRATION FACTOR	.40E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.57 CM	76.71 M
STACK DIAMETER	1.02 CM	3.06 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	1.53 M/S	15.45 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.22E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.54 CM	76.92 M
STACK DIAMETER	1.05 CM	3.18 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	1.55 M/S	15.74 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.31E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.65 CM	76.95 M
STACK DIAMETER	1.03 CM	3.09 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1626	.257E-03
2	3826	.997E-03
3	6161	.178E-02
4	6434	.188E-02
5	4885	.135E-02
6	3290	.817E-03
7	1825	.324E-03
8	1369	.170E-03
9	3881	.102E-02
10	6316	.184E-02
11	6402	.186E-02
12	4831	.134E-02
13	2731	.629E-03
14	1345	.162E-03
15	2367	.506E-03
16	4182	.112E-02
17	4842	.134E-02
18	4725	.130E-02
19	3804	.990E-03
20	2772	.643E-03
21	1705	.283E-03
22	1410	.184E-03
23	2628	.594E-03
24	3196	.785E-03
25	3099	.753E-03
26	2509	.554E-03
27	1788	.311E-03
28	1116	.852E-04
29	3049	.736E-03
30	3428	.863E-03
31	2721	.625E-03
32	6752	.198E-02
33	6692	.196E-02
34	5605	.160E-02
35	5507	.160E-02
36	5470	.155E-02
37	4362	.118E-02
38	4175	.111E-02
39	3925	.104E-02
40	3320	.827E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1647	.316E-03
2	5102	.112E-02
3	10768	.243E-02
4	13717	.311E-02
5	12976	.294E-02
6	10765	.243E-02
7	6002	.132E-02
8	823	.125E-03
9	4043	.871E-03
10	8420	.188E-02
11	9491	.218E-02
12	8838	.199E-02
13	5069	.134E-02
14	2434	.498E-03
15	2022	.402E-03
16	4498	.972E-03
17	5724	.125E-02
18	6131	.135E-02
19	5317	.117E-02
20	3964	.852E-03
21	2346	.477E-03
22	917	.146E-03
23	2466	.505E-03
24	3456	.733E-03
25	3565	.760E-03
26	2989	.626E-03
27	2017	.403E-03
28	933	.150E-03
29	5992	.133E-02
30	10661	.240E-02
31	11774	.266E-02
32	9987	.222E-02
33	11850	.225E-02
34	11424	.225E-02
35	9536	.165E-02
36	7543	.145E-02
37	6735	.143E-02
38	4765	.104E-02
39	4318	.107E-02
40	4332	.93E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	690	.132E-04
2	2114	.625E-04
3	5892	.193E-03
4	9453	.317E-03
5	10734	.361E-03
6	10149	.341E-03
7	7275	.241E-03
8	505	.676E-05
9	1988	.581E-04
10	5700	.187E-03
11	8195	.273E-03
12	8393	.280E-03
13	6432	.212E-03
14	3137	.380E-04
15	1248	.325E-04
16	3088	.963E-04
17	4659	.151E-03
18	5480	.179E-03
19	5178	.169E-03
20	4286	.138E-03
21	2833	.874E-04
22	750	.152E-04
23	1922	.559E-04
24	3010	.836E-04
25	3327	.105E-03
26	3041	.946E-04
27	2235	.567E-04
28	1082	.267E-04
29	2435	.747E-04
30	5540	.123E-03
31	8845	.296E-03
32	6688	.221E-03
33	8933	.259E-03
34	5678	.153E-03
35	5544	.151E-03
36	6359	.209E-03
37	4028	.129E-03
38	4499	.144E-03
39	4252	.137E-03

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.525E-03
2	.218E-02
3	.441E-02
4	.530E-02
5	.465E-03
6	.359E-03
7	.183E-03
8	.302E-05
9	.194E-03
10	.391E-03
11	.432E-03
12	.350E-03
13	.213E-03
14	.758E-05
15	.341E-04
16	.219E-03
17	.275E-03
18	.283E-03
19	.232E-03
20	.163E-03
21	.848E-04
22	.346E-03
23	.115E-03
24	.161E-03
25	.162E-03
26	.129E-03
27	.773E-04
28	.262E-03
29	.215E-03
30	.345E-03
31	.358E-03
32	.445E-03
33	.494E-03
34	.328E-03
35	.345E-03
36	.223E-03
37	.223E-03
38	.223E-03
39	.223E-03
40	.190E-02

RUN # 4

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	1.58 M/S	15.05 M/S
VOL. FLOW	.13E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.37E+03	
CALIBRATION FACTOR	.40E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	30.65 CM	91.95 M
STACK DIAMETER	1.02 CM	3.06 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1023	.184E-04
2	1519	.184E-03
3	2032	.375E-03
4	2256	.430E-03
5	1792	.275E-03
6	1324	.119E-03
7	1039	.237E-04
8	1087	.398E-04
9	2177	.464E-03
10	3567	.868E-03
11	3650	.899E-03
12	2346	.527E-03
13	1518	.184E-03
14	999	.104E-04
15	2083	.372E-03
16	3270	.769E-03
17	3927	.988E-03
18	3671	.903E-03
19	2695	.577E-03
20	1915	.316E-03
21	1348	.127E-03
22	1235	.892E-04
23	2286	.440E-03
24	2987	.674E-03
25	2769	.602E-03
26	2192	.409E-03
27	1662	.233E-03
28	1177	.699E-04
29	1003	.417E-04
30	1083	.384E-04
31	991	.768E-05
32	3215	.751E-03
33	3079	.705E-03
34	2515	.517E-03
35	3942	.993E-03
36	3760	.933E-03
37	2721	.586E-03
38	3602	.880E-03
39	3232	.756E-03
40	2519	.518E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	1.53 M/S	15.45 M/S
VOL. FLOW	.13E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.36E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	30.72 CM	92.16 M
STACK DIAMETER	1.06 CM	3.18 M

RAW (AREA)	CONCENTRATION (GM/M**3)
627	.623E-04
1537	.272E-03
3073	.625E-03
4376	.924E-03
4258	.897E-03
3208	.656E-03
1803	.333E-03
605	.572E-04
2232	.431E-03
4588	.973E-03
5830	.126E-02
4729	.101E-02
2757	.552E-03
1096	.170E-03
1779	.327E-03
3585	.742E-03
4624	.981E-03
4756	.101E-02
3783	.788E-03
2678	.534E-03
1653	.298E-03
710	.814E-04
2123	.406E-03
3246	.664E-03
3188	.651E-03
2539	.502E-03
1811	.333E-03
977	.143E-03
828	.109E-03
1535	.271E-03
2031	.385E-03
4360	.921E-03
5475	.118E-02
5309	.114E-02
4681	.994E-03
5128	.110E-02
4248	.895E-03
4095	.860E-03
3981	.833E-03
3219	.658E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	1.55 M/S	15.74 M/S
VOL. FLOW	.13E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.40E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	30.73 CM	92.19 M
STACK DIAMETER	1.03 CM	3.09 M

RAW (AREA)	CONCENTRATION (GM/M**3)
494	.334E-05
925	.182E-04
2357	.674E-04
3888	.120E-03
4654	.146E-03
4502	.141E-03
2758	.815E-04
494	.334E-05
1532	.390E-04
4884	.106E-03
3314	.169E-03
3342	.170E-03
3572	.109E-03
1695	.446E-04
1251	.294E-04
2654	.776E-04
3800	.117E-03
4551	.143E-03
4175	.130E-03
3268	.987E-04
2246	.636E-04
624	.781E-05
1699	.448E-04
2868	.850E-04
3141	.944E-04
3764	.814E-04
2106	.534E-04
1204	.277E-04
720	.111E-04
1223	.284E-04
3002	.552E-04
3379	.103E-03
4583	.144E-03
5494	.175E-03
3663	.112E-03
4835	.153E-03
4719	.149E-03
3547	.108E-03
3850	.119E-03
3521	.107E-03

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.840E-04
.474E-03
.107E-02
.147E-02
.132E-02
.916E-03
.416E-03
.100E-03
.474E-03
.135E-02
.232E-02
.170E-03
.345E-03
.225E-03
.729E-03
.154E-02
.229E-03
.208E-03
.149E-03
.949E-03
.189E-03
.178E-03
.891E-03
.142E-02
.136E-02
.136E-02
.240E-02
.131E-02
.338E-03
.448E-03
.177E-02
.203E-02
.183E-02
.210E-02
.218E-02
.163E-02
.145E-02
.171E-02
.128E-02

RUN # 5

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	1.10 M/S	11.22 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.91E+03	
CALIBRATION FACTOR	.40E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.31E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.35E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1715	.271E-03
2	3554	.885E-03
3	5748	.162E-02
4	6079	.173E-02
5	4982	.136E-02
6	3420	.840E-03
7	*****	*****
8	1475	.190E-03
9	3324	.808E-03
10	5948	.168E-02
11	6720	.194E-02
12	5253	.145E-02
13	2881	.660E-03
14	1419	.172E-03
15	2380	.493E-03
16	3575	.892E-03
17	4857	.132E-02
18	4961	.135E-02
19	4099	.107E-02
20	2864	.654E-03
21	1769	.289E-03
22	1412	.169E-03
23	2491	.530E-03
24	3221	.774E-03
25	3182	.761E-03
26	2578	.559E-03
27	1867	.321E-03
28	1328	.141E-03
29	2823	.641E-03
30	3129	.743E-03
31	2444	.514E-03
32	6261	.179E-02
33	6729	.195E-02
34	5633	.158E-02
35	5488	.153E-02
36	5791	.163E-02
37	4749	.128E-02
38	4221	.111E-02
39	4233	.111E-02
40	3513	.871E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
1317	.232E-03
4590	.984E-03
10293	.230E-02
13621	.306E-02
13762	.309E-02
11194	.250E-02
*****	*****
873	.129E-03
3118	.646E-03
7687	.170E-02
10399	.232E-02
9648	.215E-02
6208	.136E-02
2575	.521E-03
1798	.342E-03
3488	.731E-03
5633	.132E-02
6341	.139E-02
5682	.124E-02
4284	.914E-03
2484	.500E-03
792	.111E-03
2153	.424E-03
3328	.694E-03
3618	.761E-03
3035	.627E-03
2065	.404E-03
1201	.205E-03
6035	.132E-02
10553	.236E-02
11824	.265E-02
9324	.207E-02
12108	.271E-02
12045	.270E-02
6619	.145E-02
7986	.176E-02
7457	.164E-02
4740	.102E-02
5135	.111E-02
4548	.974E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
644	.101E-04
2036	.580E-04
6182	.201E-03
10476	.348E-03
12782	.428E-03
12204	.408E-03
*****	*****
553	.698E-05
1746	.480E-04
5398	.174E-03
8499	.280E-03
9440	.313E-03
7319	.240E-03
3468	.107E-03
1197	.291E-04
2517	.745E-04
4492	.142E-03
5647	.182E-03
5566	.179E-03
4692	.149E-03
3028	.921E-04
647	.102E-04
1686	.459E-04
2835	.855E-04
3404	.105E-03
3107	.948E-04
2284	.665E-04
1375	.352E-04
2490	.736E-04
5892	.191E-03
9903	.329E-03
6232	.202E-03
9651	.320E-03
11309	.377E-03
4916	.157E-03
7011	.229E-03
7250	.237E-03
3936	.123E-03
4616	.147E-03
4485	.142E-03

TOTAL CONCENTRATION (GM/M**3)
.512E-03
.193E-02
.411E-02
.514E-02
.488E-02
.375E-02

.327E-03
.150E-02
.355E-02
.454E-02
.391E-02
.226E-02
.800E-03
.864E-03
.170E-02
.269E-02
.292E-02
.248E-02
.172E-02
.881E-03
.290E-03
.999E-03
.155E-02
.163E-02
.128E-02
.791E-03
.381E-03
.203E-02
.329E-02
.349E-02
.406E-02
.498E-02
.465E-02
.314E-02
.363E-02
.316E-02
.225E-02
.237E-02
.199E-02

RUN # 6

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	1.10 M/S	11.22 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.10E+04	
CALIBRATION FACTOR	.40E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1641	.210E-03
2	3533	.842E-03
3	5814	.160E-02
4	6628	.188E-02
5	5428	.147E-02
6	3597	.863E-03
7	1909	.299E-03
8	1446	.145E-03
9	3911	.968E-03
10	6203	.173E-02
11	7029	.201E-02
12	5280	.143E-02
13	2956	.649E-03
14	1502	.163E-03
15	2713	.568E-03
16	4136	.104E-02
17	5195	.140E-02
18	5226	.141E-02
19	4179	.106E-02
20	3017	.669E-03
21	1883	.291E-03
22	1580	.189E-03
23	2760	.584E-03
24	3462	.818E-03
25	3410	.801E-03
26	2635	.542E-03
27	1911	.300E-03
28	1319	.102E-03
29	2494	.495E-03
30	3426	.806E-03
31	2920	.637E-03
32	6903	.197E-02
33	7175	.206E-02
34	6160	.172E-02
35	5923	.164E-02
36	6093	.170E-02
37	4956	.132E-02
38	4519	.117E-02
39	4453	.115E-02
40	3591	.861E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.40E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1619	.281E-03
5126	.109E-02
10857	.240E-02
15167	.340E-02
13854	.309E-02
10855	.240E-02
5726	.122E-02
1104	.162E-03
4234	.882E-03
8230	.180E-02
11324	.251E-02
9892	.218E-02
6141	.132E-02
2599	.506E-03
2516	.487E-03
4332	.904E-03
6156	.132E-02
6930	.150E-02
5944	.127E-02
4494	.942E-03
2694	.528E-03
1050	.150E-03
2584	.502E-03
3690	.757E-03
4041	.837E-03
3170	.637E-03
2179	.409E-03
1186	.181E-03
6249	.135E-02
11575	.257E-02
11789	.262E-02
10794	.239E-02
13449	.300E-02
12644	.282E-02
7169	.156E-02
8725	.191E-02
7847	.171E-02
5218	.111E-02
5676	.121E-02
4779	.101E-02

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.42E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
829	.140E-04
2540	.729E-04
6956	.225E-03
11313	.375E-03
13592	.453E-03
13078	.435E-03
8419	.275E-03
7117	.102E-04
2351	.664E-04
5761	.184E-03
9579	.315E-03
10319	.340E-03
7643	.248E-03
3660	.111E-03
1650	.423E-04
3056	.906E-04
4961	.156E-03
6224	.200E-03
6125	.196E-03
5003	.158E-03
3357	.101E-03
835	.142E-04
1999	.543E-04
3131	.932E-04
3791	.116E-03
3333	.100E-03
2453	.699E-04
1411	.341E-04
3022	.894E-04
6673	.215E-03
11650	.386E-03
6972	.225E-03
10882	.360E-03
12174	.404E-03
5439	.173E-03
7544	.245E-03
7893	.257E-03
4333	.135E-03
5120	.162E-03
4912	.154E-03

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.504E-03
.200E-02
.423E-02
.565E-02
.502E-02
.370E-02
.180E-02
.317E-03
.192E-02
.372E-02
.484E-02
.395E-02
.222E-02
.781E-03
.110E-02
.204E-02
.288E-02
.311E-02
.253E-02
.177E-02
.914E-03
.353E-03
.114E-02
.167E-02
.128E-02
.779E-03
.317E-03
.193E-02
.359E-02
.364E-02
.458E-02
.542E-02
.494E-02
.337E-02
.386E-02
.329E-02
.241E-02
.252E-02
.202E-02

RUN # 7

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	1.10 M/S	11.22 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.98E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.97E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	2211	.338E-03
2	4832	.123E-02
3	7559	.215E-02
4	8231	.238E-02
5	6251	.171E-02
6	3472	.765E-03
7	1914	.237E-03
8	1654	.149E-03
9	4247	.103E-02
10	7173	.202E-02
11	7716	.220E-02
12	5252	.137E-02
13	3004	.607E-03
14	1655	.150E-03
15	2540	.450E-03
16	4406	.108E-02
17	5248	.137E-02
18	5212	.135E-02
19	3847	.892E-03
20	2780	.531E-03
21	2016	.272E-03
22	1532	.142E-03
23	2742	.518E-03
24	3509	.778E-03
25	3437	.753E-03
26	2632	.483E-03
27	2078	.293E-03
28	1609	.134E-03
29	3906	.912E-03
30	4777	.121E-02
31	3760	.865E-03
32	8017	.231E-02
33	8301	.240E-02
34	6919	.193E-02
35	6182	.168E-02
36	6043	.164E-02
37	4719	.111E-02
38	4534	.113E-02
39	4374	.107E-02
40	3340	.721E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	2599	.377E-03
2	6313	.124E-02
3	11026	.234E-02
4	13884	.301E-02
5	13177	.284E-02
6	8835	.183E-02
7	4724	.873E-03
8	1667	.160E-03
9	4661	.858E-03
10	8710	.180E-02
11	10392	.219E-02
12	8244	.169E-02
13	5202	.984E-03
14	2585	.374E-03
15	2410	.333E-03
16	4721	.872E-03
17	6222	.122E-02
18	6716	.134E-02
19	5246	.994E-03
20	3838	.666E-03
21	2700	.401E-03
22	1444	.108E-03
23	2792	.422E-03
24	3949	.692E-03
25	4158	.741E-03
26	3239	.528E-03
27	2533	.362E-03
28	1805	.192E-03
29	8073	.165E-02
30	12402	.266E-02
31	13304	.287E-02
32	9853	.207E-02
33	11957	.256E-02
34	11437	.244E-02
35	7302	.147E-02
36	8036	.164E-02
37	6733	.134E-02
38	5271	.100E-02
39	5497	.105E-02
40	4354	.786E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1552	.204E-04
2	3116	.749E-04
3	6120	.180E-03
4	9636	.302E-03
5	10615	.336E-03
6	9364	.293E-03
7	6124	.180E-03
8	1223	.889E-05
9	2573	.560E-04
10	5609	.162E-03
11	8124	.250E-03
12	7926	.243E-03
13	5755	.167E-03
14	3256	.798E-04
15	1749	.272E-04
16	3289	.810E-04
17	4754	.132E-03
18	5825	.169E-03
19	5197	.147E-03
20	4079	.109E-03
21	3028	.718E-04
22	1243	.959E-05
23	2233	.441E-04
24	3305	.815E-04
25	3839	.100E-03
26	3261	.800E-04
27	2669	.593E-04
28	1948	.342E-04
29	3540	.897E-04
30	6888	.206E-03
31	10333	.327E-03
32	6068	.178E-03
33	8970	.279E-03
34	9438	.295E-03
35	5282	.150E-03
36	6677	.199E-03
37	6516	.193E-03
38	4233	.114E-03
39	4911	.138E-03
40	4340	.118E-03

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.736E-03
2	.254E-03
3	.467E-03
4	.569E-03
5	.489E-03
6	.289E-03
7	.129E-03
8	.118E-05
9	.194E-04
10	.598E-03
11	.465E-03
12	.330E-03
13	.176E-03
14	.603E-04
15	.810E-04
16	.203E-04
17	.272E-04
18	.286E-03
19	.203E-03
20	.131E-03
21	.744E-04
22	.559E-05
23	.844E-04
24	.555E-04
25	.559E-04
26	.109E-04
27	.714E-04
28	.360E-04
29	.266E-03
30	.408E-03
31	.406E-03
32	.524E-03
33	.467E-03
34	.531E-03
35	.448E-03
36	.272E-03
37	.224E-03
38	.226E-03
39	.162E-03
40	.162E-03

RUN # 8

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E-03M3/S	.27E-03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1496	.124E-03
2	2466	.428E-03
3	3614	.788E-03
4	3769	.836E-03
5	3305	.691E-03
6	2232	.355E-03
7	1489	.122E-03
8	1395	.924E-04
9	3100	.627E-03
10	5180	.128E-02
11	5876	.150E-02
12	4321	.101E-02
13	2230	.354E-03
14	1373	.856E-04
15	2295	.374E-03
16	4286	.998E-03
17	5457	.137E-02
18	5521	.139E-02
19	4315	.101E-02
20	3027	.604E-03
21	1879	.244E-03
22	1653	.173E-03
23	3032	.605E-03
24	4061	.928E-03
25	4090	.937E-03
26	3132	.637E-03
27	2175	.337E-03
28	1547	.140E-03

STACK #2

MODEL	PROTOTYPE
1.98 M/S	20.12 M/S
2.23 M/S	22.57 M/S
.31E-03M3/S	.29E+03M3/S
.31E+05	.10E+01
.39E+03	
.22E-02	
.1050E+04 (GM/SEC)	
25.40 CM	76.20 M
1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
780	.102E-03
2252	.487E-03
4249	.101E-02
5190	.125E-02
5548	.135E-02
3531	.821E-03
1996	.420E-03
670	.734E-04
2582	.573E-03
5511	.134E-02
7260	.179E-02
6468	.159E-02
3297	.760E-03
1378	.258E-03
1655	.331E-03
3925	.924E-03
5915	.144E-02
6699	.165E-02
5681	.138E-02
4008	.945E-03
2161	.463E-03
951	.147E-03
2666	.595E-03
4179	.990E-03
4721	.113E-02
3687	.861E-03
2374	.519E-03
1367	.255E-03

STACK #3

MODEL	PROTOTYPE
1.98 M/S	20.12 M/S
2.17 M/S	22.08 M/S
.30E-03M3/S	.27E+03M3/S
.20E+05	.10E+01
.46E+03	
.15E-02	
.2200E+03 (GM/SEC)	
25.40 CM	76.20 M
1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
731	.162E-04
1801	.810E-04
4297	.232E-03
7535	.428E-03
8782	.504E-03
7395	.420E-03
4873	.267E-03
622	.963E-05
1887	.862E-04
5142	.283E-03
8695	.498E-03
9120	.524E-03
6204	.348E-03
2571	.128E-03
1238	.469E-04
3093	.159E-03
5513	.306E-03
7265	.412E-03
7032	.398E-03
5364	.297E-03
3280	.171E-03
814	.213E-04
2224	.107E-03
3972	.212E-03
5015	.276E-03
4262	.230E-03
2972	.152E-03
1740	.773E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.242E-03
.996E-03
.203E-02
.252E-02
.254E-02
.160E-02
.809E-03
.175E-03
.129E-02
.290E-02
.379E-02
.312E-02
.146E-02
.472E-03
.752E-03
.208E-02
.311E-02
.345E-02
.279E-02
.185E-02
.878E-03
.341E-03
.131E-02
.213E-02
.234E-02
.173E-02
.101E-02
.473E-03

RUN # 8R

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E+03M3/S	.27E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03M3/S	.29E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.59E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.62E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1248	.432E-04
2	1814	.221E-03
3	2726	.506E-03
4	3064	.612E-03
5	2716	.503E-03
6	1855	.233E-03
7	1434	.102E-03
8	1275	.517E-04
9	2646	.481E-03
10	4735	.114E-02
11	5596	.141E-02
12	4048	.921E-03
13	2436	.416E-03
14	1338	.715E-04
15	2036	.290E-03
16	3916	.879E-03
17	5381	.134E-02
18	5297	.131E-02
19	4201	.969E-03
20	2912	.565E-03
22	1579	.147E-03
23	2858	.548E-03
24	4180	.962E-03
25	4268	.990E-03
26	3348	.701E-03
27	2172	.333E-03
28	1472	.113E-03
29	1373	.824E-04
30	1504	.123E-03
31	1334	.702E-04
32	4158	.955E-03
33	4259	.987E-03
34	5617	.786E-03
35	5206	.128E-02
36	5657	.142E-02
37	4197	.967E-03
38	*****	*****
39	*****	*****
40	*****	*****

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	898	.812E-04
2	1694	.289E-03
3	3365	.726E-03
4	4843	.111E-02
5	4687	.107E-02
6	3032	.639E-03
7	1918	.348E-03
8	762	.457E-04
9	2078	.389E-03
10	5106	.118E-02
11	7509	.181E-02
12	6243	.148E-02
13	3739	.823E-03
14	1546	.250E-03
15	1483	.234E-03
16	3384	.731E-03
17	5921	.139E-02
18	6623	.158E-02
19	5804	.136E-02
20	4008	.894E-03
22	1020	.113E-03
23	2531	.508E-03
24	4557	.104E-02
25	5258	.122E-02
26	4293	.968E-03
27	2586	.522E-03
28	1425	.219E-03
29	1371	.205E-03
30	1903	.344E-03
31	1753	.305E-03
32	4806	.110E-02
33	6381	.151E-02
34	6011	.142E-02
35	5572	.130E-02
36	7082	.170E-02
37	5921	.139E-02
38	*****	*****
39	*****	*****
40	*****	*****

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	864	.151E-04
2	1858	.753E-04
3	4197	.217E-03
4	6972	.385E-03
5	8431	.473E-03
6	7509	.417E-03
7	4911	.260E-03
8	801	.113E-04
9	2412	.906E-04
10	5733	.310E-03
11	9327	.527E-03
12	9520	.539E-03
13	7089	.392E-03
14	3008	.145E-03
15	1388	.468E-04
16	3392	.168E-03
17	6184	.337E-03
18	7789	.434E-03
19	7687	.428E-03
20	6187	.337E-03
22	934	.193E-04
23	2285	.101E-03
24	4440	.232E-03
25	5735	.310E-03
26	5073	.270E-03
27	3349	.166E-03
28	1912	.785E-04
29	1515	.545E-04
30	2853	.136E-03
31	3878	.198E-03
32	5145	.274E-03
33	8384	.470E-03
34	9244	.522E-03
35	6096	.332E-03
36	8507	.478E-03
37	8451	.474E-03
38	*****	*****
39	*****	*****
40	*****	*****

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.140E-03
2	.585E-03
3	.145E-02
4	.211E-02
5	.205E-02
6	.129E-02
7	.709E-03
8	.109E-03
9	.261E-03
10	.263E-03
11	.374E-03
12	.294E-03
13	.163E-03
14	.467E-03
15	.571E-03
16	.178E-02
17	.307E-02
18	.332E-02
19	.276E-02
20	.180E-02
22	.279E-03
23	.116E-02
24	.223E-02
25	.252E-02
26	.194E-02
27	.102E-02
28	.411E-03
29	.342E-03
30	.603E-03
31	.372E-03
32	.233E-03
33	.297E-03
34	.272E-03
35	.292E-03
36	.560E-03
37	.284E-02
38	*****
39	*****
40	*****

RUN # 8V1

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.23E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	3873	.520E-03
2	5498	.104E-02
3	9056	.219E-02
4	13458	.360E-02
5	15309	.420E-02
6	18268	.515E-02
7	20525	.587E-02
8	21882	.631E-02
9	20687	.593E-02
10	19877	.567E-02
11	16596	.461E-02
12	8303	.194E-02
13	3395	.366E-03
14	2256	*****
17	11763	.306E-02
18	22771	.660E-02
19	7303	.162E-02
20	3224	.311E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03M3/S	.29E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.23E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
5295	.793E-03
7724	.144E-02
12345	.268E-02
17593	.409E-02
20421	.485E-02
27759	.681E-02
30926	.766E-02
32107	.798E-02
31375	.778E-02
31417	.779E-02
27823	.683E-02
16507	.380E-02
5652	.889E-03
2437	.271E-04
7680	.143E-02
23358	.563E-02
16396	.377E-02
6953	.124E-02

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.23E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
5266	.187E-03
7295	.313E-03
11007	.543E-03
15045	.794E-03
15712	.836E-03
20646	.114E-02
22533	.126E-02
21786	.125E-02
23485	.132E-02
22320	.123E-02
20204	.111E-02
11025	.544E-03
4493	.139E-03
2395	.826E-05
3314	.654E-04
10941	.539E-03
23688	.133E-02
15193	.803E-03

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.150E-02
.280E-02
.541E-02
.848E-02
.988E-02
.131E-01
.148E-01
.155E-01
.150E-01
.147E-01
.126E-01
.629E-02
.139E-02
.353E-04
.455E-02
.128E-01
.672E-02
.235E-02

RUN # 8V2

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.21E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	4761	.867E-03
2	6165	.132E-02
3	7443	.173E-02
4	8531	.208E-02
5	8435	.205E-02
6	9135	.227E-02
7	9901	.252E-02
8	10545	.273E-02
9	10504	.271E-02
10	10452	.270E-02
11	10060	.257E-02
12	8804	.217E-02
13	6122	.130E-02
14	2656	.190E-03
17	9129	.227E-02
18	11464	.302E-02
19	6967	.158E-02
20	4632	.825E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E+03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.21E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
7384	.142E-02
9232	.191E-02
10742	.232E-02
11999	.265E-02
12613	.282E-02
13591	.308E-02
14235	.323E-02
14401	.330E-02
14245	.325E-02
14836	.341E-02
13568	.307E-02
12196	.270E-02
7973	.153E-02
3046	.253E-03
10175	.216E-02
13872	.315E-02
11311	.247E-02
7860	.154E-02

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.21E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
8427	.395E-03
9873	.485E-03
11129	.563E-03
11945	.614E-03
12526	.650E-03
13682	.722E-03
14454	.770E-03
14611	.779E-03
13965	.739E-03
13585	.716E-03
12285	.635E-03
9072	.435E-03
5591	.219E-03
2676	.380E-04
6018	.246E-03
10621	.532E-03
13220	.693E-03
10584	.529E-03

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.268E-02
.371E-02
.461E-02
.534E-02
.551E-02
.607E-02
.654E-02
.680E-02
.671E-02
.682E-02
.628E-02
.531E-02
.310E-02
.480E-03
.468E-02
.671E-02
.474E-02
.290E-02

RUN # 8V3

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.19E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5146	.104E-02
2	5235	.107E-02
3	5644	.120E-02
4	5937	.129E-02
5	5937	.129E-02
6	6345	.143E-02
7	6512	.148E-02
8	6642	.152E-02
9	6634	.152E-02
10	6515	.148E-02
11	6337	.142E-02
12	5787	.125E-02
13	5142	.104E-02
14	3382	.473E-03
15	2115	.659E-04
16	1921	.354E-05
17	193	*****
18	6639	.152E-02
19	5506	.116E-02
20	409	*****

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E+03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.19E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
6962	.135E-02
7151	.140E-02
7608	.153E-02
7912	.161E-02
7785	.157E-02
8343	.172E-02
8483	.176E-02
8815	.185E-02
8864	.186E-02
8567	.178E-02
8260	.170E-02
7714	.155E-02
6906	.134E-02
4209	.615E-03
2342	.115E-03
1988	.201E-04
7270	.144E-02
8368	.173E-02
7629	.153E-02
6437	.121E-02

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.19E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
7373	.341E-03
7688	.361E-03
7902	.374E-03
7795	.367E-03
7766	.365E-03
8129	.388E-03
8129	.388E-03
8313	.399E-03
8281	.397E-03
7963	.378E-03
7696	.361E-03
7036	.320E-03
6101	.262E-03
3612	.107E-03
2198	.195E-04
2032	.919E-05
6027	.257E-03
7432	.345E-03
8093	.386E-03
7157	.328E-03

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.273E-02
.283E-02
.310E-02
.327E-02
.323E-02
.354E-02
.363E-02
.377E-02
.378E-02
.364E-02
.349E-02
.312E-02
.264E-02
.120E-02
.200E-03
.328E-04
.169E-02
.360E-02
.307E-02
.154E-02

RUN # 8V4

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.19E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	4334	.795E-03
2	4448	.831E-03
3	4452	.832E-03
4	4562	.868E-03
5	4425	.824E-03
6	4625	.888E-03
7	4621	.887E-03
8	4576	.872E-03
9	*****	*****
10	4636	.892E-03
11	4593	.878E-03
12	4469	.838E-03
13	4094	.717E-03
14	3323	.469E-03
15	2457	.191E-03
16	2155	.939E-04
17	4627	.889E-03
18	4701	.913E-03
19	4236	.763E-03
20	3731	.601E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03M3/S	.29E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.19E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
558	*****
5834	.106E-02
5731	.103E-02
5988	.110E-02
5671	.102E-02
6039	.112E-02
6017	.111E-02
5937	.109E-02
*****	*****
5991	.110E-02
5864	.107E-02
5608	.100E-02
5009	.840E-03
3895	.541E-03
2675	.214E-03
2230	.951E-04
5741	.104E-02
6038	.112E-02
5535	.981E-03
4905	.812E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.18E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
6047	.262E-03
6177	.270E-03
6003	.259E-03
6143	.268E-03
5724	.242E-03
6044	.261E-03
5988	.258E-03
5844	.249E-03
*****	*****
5697	.240E-03
5510	.228E-03
5097	.203E-03
4556	.169E-03
3387	.964E-04
2388	.343E-04
2111	.171E-04
3387	.221E-03
5831	.248E-03
5719	.241E-03
5281	.214E-03

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.106E-02
.216E-02
.212E-02
.224E-02
.208E-02
.227E-02
.225E-02
.221E-02

.223E-02
.218E-02
.204E-02
.173E-02
.111E-02
.440E-03
.206E-03
.215E-02
.228E-02
.199E-02
.163E-02

RUN # 9

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.81E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.86E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	1217	.175E-04	880	.193E-04	900	.236E-05	.392E-04
2	1331	.533E-04	1146	.888E-04	1050	.114E-04	.154E-03
3	1400	.749E-04	1457	.170E-03	1289	.259E-04	.271E-03
4	1415	.796E-04	1709	.236E-03	1687	.500E-04	.365E-03
5	1307	.458E-04	1764	.250E-03	1754	.541E-04	.355E-03
6	1267	.332E-04	1352	.149E-03	1546	.415E-04	.217E-03
7	1247	.270E-04	1352	.149E-03	1232	.225E-04	.133E-03
8	1307	.458E-04	1125	.833E-04	937	.460E-05	.942E-04
9	1767	.190E-03	974	.439E-04	1222	.219E-04	.398E-03
10	2405	.390E-03	1520	.187E-03	2250	.841E-04	.894E-03
11	2264	.346E-03	2416	.421E-03	3512	.161E-03	.114E-02
12	1760	.188E-03	3378	.672E-03	3616	.167E-03	.880E-03
13	1424	.824E-04	2819	.526E-03	2352	.903E-04	.419E-03
14	1271	.345E-04	1750	.247E-03	1373	.310E-04	.155E-03
15	1752	.185E-03	1147	.891E-04	1278	.252E-04	.369E-03
16	2982	.571E-03	1412	.158E-03	2427	.948E-04	.119E-02
17	3473	.725E-03	2827	.528E-03	3819	.179E-03	.173E-02
18	3293	.668E-03	3977	.828E-03	4943	.247E-03	.186E-02
19	2615	.456E-03	4414	.942E-03	4754	.236E-03	.147E-02
20	1903	.233E-03	3788	.779E-03	3614	.167E-03	.868E-03
21	1548	.121E-03	2599	.468E-03	2451	.963E-04	.470E-03
22	1515	.111E-03	1772	.252E-03	1069	.126E-04	.211E-03
23	2401	.389E-03	1142	.878E-04	1939	.653E-04	.819E-03
24	3404	.703E-03	2204	.365E-03	3760	.176E-03	.164E-02
25	3228	.648E-03	3739	.766E-03	4412	.215E-03	.169E-02
26	2553	.436E-03	3982	.830E-03	4071	.194E-03	.127E-02
27	1904	.233E-03	3256	.640E-03	3026	.131E-03	.755E-03
28	1428	.837E-04	2305	.392E-03	1864	.607E-04	.302E-03
29	1210	.154E-04	1409	.158E-03	961	.605E-05	.590E-04
30	1217	.175E-04	950	.370E-04	1029	.102E-04	.972E-04
31	1209	.150E-04	1072	.695E-04	1070	.127E-04	.772E-04
32	1948	.247E-03	996	.436E-04	1904	.632E-04	.604E-03
33	1810	.203E-03	1934	.295E-03	2426	.948E-04	.739E-03
34	1538	.118E-03	2494	.441E-03	2555	.103E-03	.615E-03
35	3125	.615E-03	2316	.394E-03	3101	.136E-03	.143E-02
36	2982	.571E-03	3402	.678E-03	4389	.214E-03	.162E-02
37	2223	.333E-03	4010	.837E-03	4213	.203E-03	.123E-02
			3471	.696E-03			

RUN # 10R

STACK #1

MODEL PROTOTYPE

STACK HT. VEL. 1.98 M/S 20.12 M/S
 EXIT VEL. 3.61 M/S 36.58 M/S
 VOL. FLOW .29E-03 M3/S .27E+03 M3/S
 SOURCE STRENGTH .41E+05 .10E+01
 BACKGROUND .10E+04
 CALIBRATION FACTOR .41E-02
 SO2 FLUX .8500E+03 (GM/SEC)
 STACK HEIGHT 25.57 CM 76.71 M
 STACK DIAMETER 1.02 CM 3.06 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1128	.302E-04
2	1649	.194E-03
3	2587	.490E-03
4	2365	.420E-03
5	2003	.306E-03
6	1472	.139E-03
7	1208	.554E-04
8	1162	.410E-04
9	2219	.374E-03
10	4179	.991E-03
11	4374	.105E-02
12	2919	.594E-03
13	1796	.241E-03
14	1206	.548E-04
15	2173	.359E-03
16	4073	.958E-03
17	5038	.126E-02
18	4771	.118E-02
19	3618	.815E-03
20	2490	.459E-03
21	1620	.185E-03
22	1552	.164E-03
23	2837	.569E-03
24	4323	.104E-02
25	3972	.926E-03
26	2958	.607E-03
27	2069	.327E-03
28	1399	.116E-03
29	1218	.586E-04
30	1338	.964E-04
31	1209	.558E-04
32	3593	.807E-03
33	3430	.755E-03
34	2658	.512E-03
35	4830	.120E-02
36	4723	.116E-02
37	3423	.753E-03
38	4987	.125E-02
39	4658	.114E-02
40	3435	.757E-03

STACK #2

MODEL PROTOTYPE

1.98 M/S 20.12 M/S
 3.56 M/S 36.07 M/S
 .31E-03 M3/S .29E+03 M3/S
 .31E+05 .10E+01
 .54E+03
 .22E-02
 .1050E+04 (GM/SEC)
 25.64 CM 76.92 M
 1.06 CM 3.18 M

RAW (AREA)	CONCENTRATION (GM/M**3)
790	.656E-04
1449	.239E-03
3925	.889E-03
4917	.115E-02
4517	.104E-02
2953	.634E-03
1635	.288E-03
665	.328E-04
1914	.361E-03
5165	.121E-02
7235	.176E-02
5791	.138E-02
3204	.700E-03
1291	.197E-03
1627	.285E-03
3738	.840E-03
6013	.144E-02
5698	.162E-02
5698	.135E-02
4031	.217E-03
2035	.393E-03
1040	.131E-03
2612	.544E-03
4821	.112E-02
5091	.119E-02
4063	.925E-03
2619	.546E-03
1387	.222E-03
1307	.201E-03
1938	.367E-03
2061	.399E-03
5077	.119E-02
5955	.142E-02
5532	.131E-02
5808	.138E-02
7073	.172E-02
6000	.143E-02
5752	.137E-02
6242	.150E-02
5051	.118E-02

STACK #3

MODEL PROTOTYPE

1.98 M/S 20.12 M/S
 3.56 M/S 36.26 M/S
 .30E-03 M3/S .27E+03 M3/S
 .20E+05 .10E+01
 .55E+03
 .15E-02
 .2200E+03 (GM/SEC)
 25.65 CM 76.95 M
 1.03 CM 3.09 M

RAW (AREA)	CONCENTRATION (GM/M**3)
699	.937E-05
1264	.438E-04
2637	.127E-03
4638	.249E-03
5964	.330E-03
5496	.301E-03
3206	.162E-03
633	.536E-05
1391	.515E-04
4117	.217E-03
7206	.405E-03
7601	.429E-03
5223	.285E-03
2047	.914E-04
1225	.414E-04
3078	.154E-03
5524	.303E-03
7119	.408E-03
6784	.380E-03
5369	.294E-03
2988	.149E-03
872	.199E-04
2100	.946E-04
4249	.225E-03
5223	.285E-03
4636	.249E-03
3120	.157E-03
1728	.720E-04
1204	.401E-04
1749	.733E-04
2764	.135E-03
4073	.215E-03
5790	.319E-03
7205	.405E-03
5072	.276E-03
7436	.419E-03
7613	.430E-03
5160	.281E-03
6420	.358E-03
5890	.325E-03

PREDICTED TOTAL PROTOTYPE
 SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.105E-03
.477E-03
.151E-02
.182E-02
.168E-02
.107E-02
.505E-03
.791E-04
.786E-04
.242E-02
.322E-02
.240E-02
.122E-02
.343E-04
.686E-04
.195E-02
.300E-02
.319E-02
.255E-02
.167E-02
.726E-03
.315E-03
.121E-02
.239E-02
.241E-02
.178E-02
.103E-02
.410E-03
.300E-03
.537E-03
.590E-03
.221E-02
.250E-02
.223E-02
.286E-02
.330E-02
.262E-02
.290E-02
.300E-02
.227E-02

RUN # 11			STACK #2			STACK #3		
STACK #1			STACK #2			STACK #3		
	MODEL	PROTOTYPE	MODEL	PROTOTYPE		MODEL	PROTOTYPE	
STACK HT. VEL.	1.98 M/S	20.12 M/S	1.98 M/S	20.12 M/S		1.98 M/S	20.12 M/S	
EXIT VEL.	3.61 M/S	36.58 M/S	3.56 M/S	36.07 M/S		3.56 M/S	36.26 M/S	
VOL. FLOW	.29E+03 M3/S	.27E+03 M3/S	.31E+03 M3/S	.29E+03 M3/S		.30E+03 M3/S	.27E+03 M3/S	
SOURCE STRENGTH	.41E+05	.10E+01	.31E+05	.10E+01		.20E+05	.10E+01	
BACKGROUND	.79E+03		.20E+03			.23E+03		
CALIBRATION FACTOR	.41E-02		.22E-02			.15E-02		
SO2 FLUX	.8500E+03 (GM/SEC)		.1050E+04 (GM/SEC)			.2200E+03 (GM/SEC)		
STACK HEIGHT	30.65 CM	91.95 M	30.72 CM	92.16 M		30.73 CM	92.19 M	
STACK DIAMETER	1.02 CM	3.06 M	1.06 CM	3.18 M		1.03 CM	3.09 M	
SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)		RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	802	.512E-05	216	.422E-05		251	.161E-05	.110E-04
2	866	.256E-04	302	.272E-04		332	.661E-05	.594E-04
3	969	.585E-04	587	.103E-03		730	.312E-04	.193E-03
4	978	.614E-04	871	.179E-03		1271	.646E-04	.305E-03
5	894	.345E-04	780	.155E-03		1681	.900E-04	.279E-03
6	829	.138E-04	441	.642E-04		1339	.688E-04	.147E-03
7	802	.512E-05	316	.309E-04		879	.404E-04	.764E-04
8	746	*****	193	*****		246	.130E-05	.130E-05
9	1213	.137E-03	597	.106E-03		553	.203E-04	.263E-03
10	1783	.319E-03	1666	.391E-03		1975	.108E-03	.818E-03
11	2009	.591E-03	2505	.614E-03		3551	.206E-03	.121E-02
12	1298	.164E-03	1820	.432E-03		3836	.223E-03	.819E-03
13	1029	.777E-04	907	.188E-03		2268	.126E-03	.392E-03
14	767	*****	328	.341E-04		877	.403E-04	.744E-04
15	1408	.199E-03	740	.144E-03		717	.304E-04	.373E-03
16	2204	.453E-03	1821	.432E-03		1755	.945E-04	.980E-03
17	3096	.739E-03	3419	.858E-03		3755	.218E-03	.181E-02
18	2978	.701E-03	3575	.900E-03		4682	.275E-03	.188E-02
19	2021	.395E-03	2643	.651E-03		4321	.253E-03	.130E-02
20	1495	.227E-03	1884	.449E-03		3480	.201E-03	.877E-03
21	1049	.841E-04	1070	.232E-03		2031	.112E-03	.428E-03
22	1244	.146E-03	663	.123E-03		582	.221E-04	.292E-03
23	2170	.443E-03	1813	.430E-03		1560	.825E-04	.955E-03
24	3091	.737E-03	3300	.826E-03		3292	.190E-03	.175E-02
25	2819	.650E-03	3377	.847E-03		3984	.232E-03	.173E-02
26	2057	.406E-03	2468	.605E-03		3415	.197E-03	.121E-02
27	1388	.193E-03	1570	.365E-03		2364	.132E-03	.690E-03
28	998	.678E-04	798	.159E-03		1243	.629E-04	.290E-03
29	784	*****	238	.101E-04		307	.507E-05	.152E-04
30	756	*****	274	.197E-04		383	.976E-05	.295E-04
31	740	*****	257	.152E-04		457	.143E-04	.295E-04
32	1517	.234E-03	1402	.320E-03		1576	.835E-04	.638E-03
33	1451	.213E-03	1440	.331E-03		2309	.129E-03	.672E-03
34	1235	.144E-03	1340	.304E-03		2753	.156E-03	.604E-03
35	2619	.586E-03	2646	.652E-03		3027	.173E-03	.141E-02
36	2469	.538E-03	3046	.759E-03		4290	.251E-03	.155E-02
37	1614	.265E-03	2387	.583E-03		4405	.258E-03	.111E-02
38	3107	.742E-03	3318	.831E-03		3596	.208E-03	.178E-02
39	2878	.669E-03	3341	.837E-03		4135	.242E-03	.175E-02
40	2097	.419E-03	2554	.627E-03		3913	.228E-03	.127E-02

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

RUN # 12			STACK #1			STACK			STACK #3			PREDICTED TOTAL PROTOT SO2 CONCENTRATIONS:	
			MODEL	PROTOTYPE		MODEL	PROTOTYPE		MODEL	PROTOTYPE			
STACK HT. VEL.	1.98 M/S	20.12 M/S				1.98 M/S	20.12 M/S		1.98 M/S	20.12 M/S			
EXIT VEL.	2.52 M/S	25.57 M/S				2.23 M/S	22.57 M/S		2.17 M/S	22.08 M/S			
VOL. FLOW	.29E+03 M3/S	.27E+03 M3/S				.31E+03 M3/S	.29E+03 M3/S		.30E+03 M3/S	.27E+03 M3/S			
SOURCE STRENGTH	.41E+05	.10E+01				.31E+05	.10E+01		.20E+05	.10E+01			
BACKGROUND	.13E+04					.98E+03			.90E+03				
CALIBRATION FACTOR	.41E-02					.22E-02			.15E-02				
SO2 FLUX	.8500E+03 (GM/SEC)					.1050E+04 (GM/SEC)			.2200E+03 (GM/SEC)				
STACK HEIGHT	25.40 CM	76.20 M				25.40 CM	76.20 M		25.40 CM	76.20 M			
STACK DIAMETER	1.22 CM	3.66 M				1.34 CM	4.02 M		1.32 CM	3.96 M			
SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)		RAW (AREA)	CONCENTRATION (GM/M**3)		RAW (AREA)	CONCENTRATION (GM/M**3)		TOTAL CONCENTRATION (GM/M**3)	
1	1352	.187E-04	1115	.360E-04		998	.626E-05		998	.626E-05		.610E-04	
2	1629	.107E-03	1762	.207E-03		1532	.390E-04		1532	.390E-04		.353E-03	
3	2071	.247E-03	2850	.495E-03		3365	.151E-03		3365	.151E-03		.893E-03	
4	2182	.282E-03	3895	.771E-03		5107	.258E-03		5107	.258E-03		.131E-02	
5	2210	.291E-03	3981	.794E-03		6071	.317E-03		6071	.317E-03		.140E-02	
6	1741	.142E-03	2983	.530E-03		4926	.247E-03		4926	.247E-03		.920E-03	
7	1505	.673E-04	1818	.222E-03		2873	.121E-03		2873	.121E-03		.411E-03	
8	1352	.187E-04	1019	.106E-04		927	.190E-05		927	.190E-05		.312E-04	
9	2185	.283E-03	1934	.253E-03		1634	.453E-04		1634	.453E-04		.581E-03	
10	3337	.649E-03	4014	.803E-03		4651	.230E-03		4651	.230E-03		.168E-02	
11	3680	.758E-03	5701	.125E-02		7294	.392E-03		7294	.392E-03		.240E-02	
12	3071	.564E-03	5035	.107E-02		7311	.393E-03		7311	.393E-03		.203E-02	
13	1975	.216E-03	2961	.524E-03		4660	.231E-03		4660	.231E-03		.972E-03	
14	1477	.584E-04	1577	.158E-03		2202	.801E-04		2202	.801E-04		.297E-03	
15	2159	.275E-03	1684	.187E-03		1391	.304E-04		1391	.304E-04		.492E-03	
16	3393	.667E-03	3125	.568E-03		2824	.118E-03		2824	.118E-03		.135E-02	
17	4523	.103E-02	5453	.118E-02		5829	.303E-03		5829	.303E-03		.251E-02	
18	4610	.105E-02	6335	.142E-02		7050	.377E-03		7050	.377E-03		.285E-02	
19	3676	.750E-04	5121	.110E-02		6562	.347E-03		6562	.347E-03		.220E-02	
20	2555	.400E-03	3583	.689E-03		4840	.242E-03		4840	.242E-03		.133E-02	
21	2019	.230E-03	2275	.343E-03		2954	.126E-03		2954	.126E-03		.700E-03	
22	1691	.126E-03	1339	.952E-04		1120	.137E-04		1120	.137E-04		.235E-03	
23	2772	.469E-03	2722	.461E-03		2399	.222E-04		2399	.222E-04		.102E-02	
24	3943	.841E-03	4541	.942E-03		4394	.215E-03		4394	.215E-03		.200E-02	
25	3990	.856E-03	5109	.109E-02		5452	.279E-03		5452	.279E-03		.223E-02	
26	2831	.488E-03	3747	.732E-03		4462	.219E-03		4462	.219E-03		.144E-02	
27	2171	.279E-03	2672	.448E-03		3221	.143E-03		3221	.143E-03		.869E-03	
28	1756	.147E-03	1856	.232E-03		2152	.770E-04		2152	.770E-04		.455E-03	
29	1460	.530E-04	1529	.146E-03		1354	.281E-04		1354	.281E-04		.227E-03	
30	1499	.654E-04	1973	.263E-03		2086	.730E-04		2086	.730E-04		.401E-03	
31	1443	.476E-04	2005	.271E-03		2704	.111E-03		2704	.111E-03		.430E-03	
32	2619	.421E-03	3805	.748E-03		4456	.218E-03		4456	.218E-03		.139E-02	
33	2952	.527E-03	5071	.108E-02		6749	.359E-03		6749	.359E-03		.197E-02	
34	2650	.431E-03	4870	.103E-02		6910	.369E-03		6910	.369E-03		.183E-02	
35	3948	.843E-03	4863	.103E-02		5378	.275E-03		5378	.275E-03		.215E-02	
36	4188	.919E-03	5971	.132E-02		6970	.372E-03		6970	.372E-03		.261E-02	
37	3680	.758E-03	5365	.116E-02		7114	.381E-03		7114	.381E-03		.230E-02	
38	4456	.100E-02	5405	.117E-02		5448	.279E-03		5448	.279E-03		.245E-02	
39	4473	.101E-02	5896	.130E-02		6479	.342E-03		6479	.342E-03		.265E-02	
40	3534	.711E-03	4787	.101E-02		5812	.301E-03		5812	.301E-03		.202E-02	

RUN # 13

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E+03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.86E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.82E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	1242	.253E-04	1051	.517E-04	909	.575E-05	.827E-04
2	1485	.103E-03	1694	.223E-03	1423	.375E-04	.364E-03
3	1985	.263E-03	3137	.608E-03	2533	.106E-03	.977E-03
4	2053	.285E-03	3704	.759E-03	3981	.196E-03	.124E-02
5	1653	.157E-03	3482	.700E-03	5204	.271E-03	.113E-02
6	1371	.665E-04	2402	.412E-03	4285	.214E-03	.693E-03
8	1272	.349E-04	1002	.395E-04	939	.760E-05	.819E-04
9	2043	.281E-03	2043	.317E-03	1752	.578E-04	.656E-03
10	3113	.624E-03	4385	.941E-03	4199	.209E-03	.177E-02
11	3340	.696E-03	5611	.127E-02	6437	.347E-03	.231E-02
12	2207	.334E-03	4072	.857E-03	6521	.352E-03	.154E-02
13	1584	.135E-03	2673	.484E-03	4722	.241E-03	.860E-03
14	1223	.192E-04	1339	.128E-03	2171	.837E-04	.231E-03
15	2136	.311E-03	1872	.271E-03	1602	.486E-04	.630E-03
16	3191	.649E-03	3468	.696E-03	3160	.145E-03	.149E-02
17	4100	.939E-03	5247	.117E-02	5408	.284E-03	.239E-02
18	3755	.829E-03	5610	.127E-02	6745	.366E-03	.246E-02
20	2018	.273E-03	3050	.585E-03	4998	.258E-03	.112E-02
21	1466	.969E-04	1827	.259E-03	2918	.130E-03	.485E-03
22	1582	.134E-03	1308	.120E-03	1149	.206E-04	.275E-03
23	2915	.560E-03	3153	.612E-03	2821	.124E-03	.130E-02
24	3571	.770E-03	4327	.925E-03	4280	.214E-03	.191E-02
25	3270	.674E-03	4491	.969E-03	5259	.275E-03	.192E-02
26	2413	.400E-03	3333	.660E-03	4330	.217E-03	.128E-02
27	1885	.231E-03	2446	.424E-03	3250	.150E-03	.805E-03
28	1402	.764E-04	1475	.165E-03	1846	.636E-04	.305E-03
29	1253	.288E-04	1208	.936E-04	1066	.154E-04	.138E-03
30	1261	.313E-04	1638	.208E-03	1549	.453E-04	.285E-03
31	1213	.160E-04	1574	.191E-03	2324	.932E-04	.300E-03
32	2630	.469E-03	3942	.822E-03	3611	.173E-03	.146E-02
33	2770	.514E-03	5048	.112E-02	5412	.284E-03	.192E-02
34	2327	.372E-03	4453	.959E-03	5010	.330E-03	.166E-02
35	3782	.838E-03	4998	.110E-02	6161	.259E-03	.220E-02
36	3698	.811E-03	5791	.132E-02	6887	.375E-03	.250E-02
37	2628	.469E-03	4457	.960E-03	6583	.356E-03	.178E-02
38	3924	.883E-03	4916	.108E-02	5106	.265E-03	.223E-02
39	3581	.773E-03	5199	.116E-02	6218	.334E-03	.226E-02
40	2851	.540E-03	4283	.913E-03	5864	.312E-03	.176E-02

RUN # 14			STACK #2			STACK #3			PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:	
STACK #1			STACK #2			STACK #3				
	MODEL	PROTOTYPE		MODEL	PROTOTYPE		MODEL	PROTOTYPE		
STACK HT. VEL.	1.98 M/S	20.12 M/S		1.98 M/S	20.12 M/S		1.98 M/S	20.12 M/S		
EXIT VEL.	2.52 M/S	25.57 M/S		2.23 M/S	22.57 M/S		2.17 M/S	22.08 M/S		
VOL. FLOW	.29E-03M3/S	.27E+03M3/S		.31E-03M3/S	.29E+03M3/S		.30E-03M3/S	.27E+03M3/S		
SOURCE STRENGTH	.41E+05	.10E+01		.31E+05	.10E+01		.20E+05	.10E+01		
BACKGROUND	.12E+04			.95E+03			.90E+03			
CALIBRATION FACTOR	.41E-02			.22E-02			.15E-02			
SO2 FLUX	.8500E+03 (GM/SEC)			.1050E+04 (GM/SEC)			.2200E+03 (GM/SEC)			
STACK HEIGHT	25.40 CM	76.20 M		25.40 CM	76.20 M		25.40 CM	76.20 M		
STACK DIAMETER	1.22 CM	3.66 M		1.34 CM	4.02 M		1.32 CM	3.96 M		
SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/H**3)	RAW (AREA)	CONCENTRATION (GM/H**3)	RAW (AREA)	CONCENTRATION (GM/H**3)	TOTAL CONCENTRATION (GM/H**3)			
136		.457E-04	1472	.138E-03	1134	.143E-04	.198E-03			
174		.167E-03	2673	.453E-03	2019	.682E-04	.688E-03			
227		.333E-03	4252	.868E-03	3891	.182E-03	.138E-02			
252		.410E-03	5113	.109E-02	6037	.313E-03	.182E-02			
189		.215E-03	4136	.837E-03	6707	.354E-03	.141E-02			
147		.816E-04	2542	.419E-03	5025	.251E-03	.751E-03			
133		.384E-04	1705	.199E-03	3370	.150E-03	.388E-03			
131		.312E-04	1113	.433E-04	1005	.645E-05	.810E-04			
213		.290E-03	2457	.396E-03	2110	.737E-04	.759E-03			
372		.789E-03	5059	.108E-02	4902	.244E-03	.211E-02			
455		.105E-02	6764	.153E-02	7784	.419E-03	.300E-02			
252		.411E-03	4961	.105E-02	8117	.439E-03	.190E-02			
184		.198E-03	3068	.557E-03	5813	.299E-03	.105E-02			
139		.558E-04	1697	.197E-03	3203	.140E-03	.393E-03			
208		.273E-03	1856	.238E-03	1567	.407E-04	.552E-03			
362		.759E-03	3551	.683E-03	3125	.135E-03	.158E-02			
487		.115E-02	5853	.129E-02	5390	.273E-03	.271E-02			
448		.103E-02	6605	.149E-02	7264	.387E-03	.290E-02			
325		.642E-03	5259	.113E-02	7453	.399E-03	.217E-02			
235		.357E-03	3719	.728E-03	5992	.310E-03	.139E-02			
179		.183E-03	2527	.415E-03	4356	.210E-03	.808E-03			
175		.170E-03	1482	.140E-03	1200	.183E-04	.328E-03			
302		.568E-03	3077	.559E-03	2394	.910E-04	.122E-02			
413		.920E-03	4776	.103E-02	4264	.205E-03	.213E-02			
394		.858E-03	5279	.114E-02	5748	.295E-03	.229E-02			
295		.548E-03	4203	.855E-03	5201	.262E-03	.166E-02			
233		.351E-03	3224	.598E-03	4204	.201E-03	.115E-02			
160		.123E-03	1852	.237E-03	2530	.993E-04	.459E-03			
137		.507E-04	1872	.243E-03	1633	.447E-04	.338E-03			
143		.693E-04	2202	.408E-03	2753	.113E-03	.590E-03			
134		.400E-04	2313	.358E-03	3539	.161E-03	.559E-03			
344		.703E-03	5374	.116E-02	5451	.277E-03	.214E-02			
348		.715E-03	6117	.136E-02	7051	.374E-03	.245E-02			
271		.473E-03	5058	.108E-02	7656	.411E-03	.196E-02			
451		.104E-02	5600	.122E-02	5437	.276E-03	.254E-02			
451		.104E-02	6618	.149E-02	7709	.414E-03	.294E-02			
291		.536E-03	5266	.113E-02	7968	.430E-03	.210E-02			
468		.109E-02	5567	.121E-02	5238	.264E-03	.527E-02			
430		.973E-03	6108	.135E-02	6700	.353E-03	.268E-02			
330		.659E-03	4983	.106E-02	6631	.349E-03	.207E-02			

RUN # 15

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	1.02 M/S	10.35 M/S
VOL. FLOW	.12E+03 M3/S	.11E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.75E+03	
CALIBRATION FACTOR	.42E+02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	.88 M/S	8.93 M/S
VOL. FLOW	.12E+03 M3/S	.11E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.15E+03	
CALIBRATION FACTOR	.22E+02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	.87 M/S	8.84 M/S
VOL. FLOW	.12E+03 M3/S	.11E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.60E+02	
CALIBRATION FACTOR	.15E+02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1437	.201E-03
2	3049	.673E-03
3	5466	.138E-02
4	5868	.150E-02
5	4465	.109E-02
6	2852	.615E-03
7	1500	.219E-03
8	1068	.928E-04
9	2856	.616E-03
10	5454	.138E-02
11	5807	.148E-02
12	4132	.990E-03
13	2394	.481E-03
14	1021	.791E-04
15	1751	.293E-03
16	3172	.709E-03
17	4213	.101E-02
18	4028	.960E-03
19	3162	.706E-03
20	2299	.453E-03
21	1224	.139E-03
22	976	.659E-04
23	1933	.346E-03
24	2852	.615E-03
25	2773	.592E-03
26	2044	.379E-03
27	1492	.217E-03
28	934	.536E-04
29	2586	.537E-03
30	3178	.711E-03
31	2200	.424E-03
32	5926	.152E-02
33	6166	.159E-02
34	5025	.125E-02
35	4867	.121E-02
36	4841	.120E-02
37	3597	.833E-03
38	3585	.830E-03
39	3445	.789E-03
40	2708	.573E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1212	.213E-03
2	4549	.885E-03
3	9354	.185E-02
4	12409	.247E-02
5	11097	.220E-02
6	8783	.174E-02
7	4583	.892E-03
8	506	.711E-04
9	2918	.557E-03
10	7156	.141E-02
11	8441	.167E-02
12	7373	.145E-02
13	4768	.929E-03
14	1750	.321E-03
15	1337	.238E-03
16	4873	.950E-03
17	4873	.950E-03
18	5051	.986E-03
19	4311	.837E-03
20	3221	.618E-03
21	1544	.280E-03
22	400	.497E-04
23	1623	.296E-03
24	2955	.564E-03
25	3106	.594E-03
26	2311	.434E-03
27	1549	.281E-03
28	725	.115E-03
29	5533	.108E-02
30	9454	.187E-02
31	10068	.200E-02
32	8874	.176E-02
33	10350	.205E-02
34	9751	.193E-02
35	5952	.117E-02
36	6427	.126E-02
37	5291	.103E-02
38	4033	.781E-03
39	4138	.802E-03
40	3460	.666E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	526	.140E-04
2	1899	.554E-04
3	4588	.136E-03
4	7778	.233E-03
5	8975	.269E-03
6	8293	.248E-03
7	5902	.176E-03
8	285	.678E-05
9	1474	.426E-04
10	4769	.142E-03
11	6633	.198E-03
12	6832	.204E-03
13	5136	.153E-03
14	2088	.611E-04
15	791	.220E-04
16	3898	.116E-03
17	3898	.116E-03
18	4599	.137E-03
19	4253	.126E-03
20	3383	.100E-03
21	1827	.533E-04
22	1281	.666E-05
23	1219	.349E-04
24	2533	.745E-04
25	2933	.866E-04
26	2373	.697E-04
27	1694	.492E-04
28	842	.236E-04
29	2014	.589E-04
30	4397	.131E-03
31	7050	.211E-03
32	5239	.156E-03
33	7229	.216E-03
34	8163	.244E-03
35	4355	.129E-03
36	5503	.164E-03
37	5079	.151E-03
38	3365	.996E-04
39	3864	.115E-03
40	3458	.102E-03

TOTAL CONCENTRATION (GM/M**3)
.428E-03
.161E-03
.337E-03
.420E-03
.356E-03
.260E-03
.129E-03
.171E-03
.122E-03
.293E-03
.335E-03
.245E-03
.156E-03
.462E-03
.553E-03
.177E-02
.208E-02
.208E-02
.167E-02
.117E-02
.472E-03
.122E-03
.677E-03
.125E-03
.127E-03
.866E-04
.697E-04
.583E-04
.132E-03
.168E-03
.271E-03
.263E-03
.343E-03
.345E-03
.343E-03
.250E-02
.262E-02
.202E-02
.171E-02
.171E-02
.134E-02

RUN # 16

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	1.02 M/S	10.35 M/S
VOL. FLOW	.12E+03 M3/S	.11E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	.88 M/S	8.93 M/S
VOL. FLOW	.12E+03 M3/S	.11E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.61E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	.87 M/S	8.84 M/S
VOL. FLOW	.12E+03 M3/S	.11E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.67E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1318	.556E-04
2	1441	.917E-04
3	1729	.176E-03
4	1958	.243E-03
5	1574	.131E-03
6	1409	.823E-04
7	1319	.559E-04
8	1477	.102E-03
9	2101	.285E-03
10	2788	.486E-03
11	2976	.541E-03
12	2428	.381E-03
13	1666	.158E-03
14	1397	.788E-04
15	2025	.263E-03
16	2626	.439E-03
17	2869	.510E-03
18	2984	.543E-03
19	2739	.472E-03
20	2114	.289E-03
21	1640	.150E-03
22	1542	.121E-03
23	1999	.255E-03
24	2403	.373E-03
25	2442	.385E-03
26	**	**
27	1882	.221E-03
28	1501	.109E-03
29	1127	**
30	1145	.498E-05
31	1132	.117E-05
32	2396	.371E-03
33	2452	.388E-03
34	2052	.271E-03
35	3090	.575E-03
36	3105	.579E-03
37	2752	.476E-03
38	2700	.460E-03
39	2788	.486E-03
40	2594	.429E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	826	.441E-04
2	1303	.140E-03
3	2245	.330E-03
4	3069	.496E-03
5	3189	.520E-03
6	2810	.443E-03
7	2563	.394E-03
8	893	.576E-04
9	1613	.203E-03
10	3047	.491E-03
11	3939	.671E-03
12	3974	.678E-03
13	2963	.474E-03
14	2320	.345E-03
15	1498	.179E-03
16	2425	.366E-03
17	3241	.530E-03
18	3538	.590E-03
19	3641	.611E-03
20	2857	.453E-03
21	2040	.288E-03
22	1046	.884E-04
23	1706	.221E-03
24	2334	.348E-03
25	2543	.390E-03
26	**	**
27	1974	.275E-03
28	1437	.167E-03
29	909	.508E-04
30	1447	.169E-03
31	1797	.240E-03
32	2751	.432E-03
33	3689	.400E-03
34	3802	.543E-03
35	3563	.595E-03
36	3999	.683E-03
37	4002	.683E-03
38	2899	.461E-03
39	3190	.520E-03
40	3185	.519E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	742	.211E-05
2	1007	.101E-04
3	1927	.378E-04
4	3121	.738E-04
5	4086	.103E-03
6	3666	.902E-04
7	3259	.780E-04
8	900	.687E-05
9	1356	.206E-04
10	2893	.669E-04
11	4327	.110E-03
12	4950	.129E-03
13	3968	.993E-04
14	2166	.450E-04
15	1419	.225E-04
16	2171	.452E-04
17	3209	.765E-04
18	3952	.988E-04
19	4187	.106E-03
20	3403	.823E-04
21	2461	.539E-04
22	1024	.106E-04
23	1620	.286E-04
24	2300	.491E-04
25	2549	.596E-04
26	2596	.580E-04
27	2191	.450E-04
28	1582	.274E-04
29	1817	.437E-05
30	1221	.165E-04
31	1696	.305E-04
32	2662	.600E-04
33	3796	.941E-04
34	4702	.121E-03
35	3413	.826E-04
36	4498	.115E-03
37	4706	.122E-03
38	2937	.683E-04
39	3544	.866E-04
40	3572	.874E-04

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.102E-03
2	.242E-03
3	.544E-03
4	.812E-03
5	.753E-03
6	.616E-03
7	.528E-03
8	.167E-03
9	.508E-03
10	.104E-02
11	.132E-02
12	.119E-02
13	.731E-03
14	.469E-03
15	.465E-03
16	.850E-03
17	.112E-02
18	.123E-02
19	.119E-02
20	.824E-03
21	.492E-03
22	.220E-03
23	.505E-03
24	.770E-03
25	.834E-03
26	**
27	.542E-03
28	.304E-03
29	.652E-04
30	.191E-03
31	.272E-03
32	.863E-03
33	.882E-03
34	.104E-02
35	.125E-02
36	.138E-02
37	.128E-02
38	.990E-03
39	.109E-02
40	.104E-02

RUN # 17

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	1.02 M/S	10.35 M/S
VOL. FLOW	.12E+03 M3/S	.11E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.80E+03	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1234	.127E-03
2	2587	.524E-03
3	*****	*****
4	4342	.104E-02
5	3218	.708E-03
6	2116	.386E-03
7	1280	.141E-03
8	1019	.644E-04
9	2815	.590E-03
10	4985	.123E-02
11	5153	.127E-02
12	3680	.844E-03
13	1972	.343E-03
14	1046	.723E-04
15	1964	.341E-03
16	3513	.795E-03
17	4400	.105E-02
18	4328	.103E-02
19	3200	.703E-03
20	2170	.401E-03
21	1389	.173E-03
22	1133	.978E-04
23	2312	.443E-03
24	3248	.717E-03
25	3049	.659E-03
26	2160	.399E-03
27	1575	.227E-03
28	1001	.591E-04
29	1826	.301E-03
30	2194	.408E-03
31	1642	.247E-03
32	5010	.123E-02
33	5024	.124E-02
34	4157	.983E-03
35	4765	.116E-02
36	4535	.109E-02
37	3495	.789E-03
38	3984	.933E-03
39	3817	.884E-03
40	2875	.608E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	.88 M/S	8.93 M/S
VOL. FLOW	.12E+03 M3/S	.11E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.23E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1109	.177E-03
2	3916	.742E-03
3	*****	*****
4	11800	.233E-02
5	10821	.213E-02
6	7781	.152E-02
7	4146	.788E-03
8	595	.733E-04
9	3029	.563E-03
10	7112	.139E-02
11	9376	.184E-02
12	7728	.151E-02
13	4639	.887E-03
14	1838	.324E-03
15	1603	.276E-03
16	3787	.716E-03
17	5612	.108E-02
18	6119	.119E-02
19	5096	.979E-03
20	3539	.666E-03
21	2161	.389E-03
22	633	.809E-04
23	2132	.383E-03
24	3623	.683E-03
25	3731	.705E-03
26	2758	.509E-03
27	1900	.336E-03
28	883	.131E-03
29	4402	.840E-03
30	7913	.155E-02
31	8254	.162E-02
32	8456	.166E-02
33	10670	.210E-02
34	9866	.194E-02
35	6500	.126E-02
36	7034	.137E-02
37	6178	.120E-02
38	4852	.930E-03
39	5111	.982E-03
40	4175	.794E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	.87 M/S	8.84 M/S
VOL. FLOW	.12E+03 M3/S	.11E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.22E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	426	.624E-05
2	1583	.411E-04
3	5175	.149E-03
4	9654	.284E-03
5	11392	.337E-03
6	10400	.307E-03
7	6287	.183E-03
8	358	.419E-05
9	1502	.387E-04
10	5151	.149E-03
11	8658	.254E-03
12	8795	.258E-03
13	6339	.184E-03
14	2712	.751E-04
15	948	.220E-04
16	2740	.760E-04
17	4883	.141E-03
18	5978	.174E-03
19	5754	.167E-03
20	4364	.125E-03
21	2867	.798E-04
22	487	.808E-05
23	1638	.428E-04
24	3219	.904E-04
25	3761	.107E-03
26	3046	.852E-04
27	2205	.599E-04
28	1080	.259E-04
29	1729	.455E-04
30	4350	.124E-03
31	7880	.231E-03
32	6164	.179E-03
33	9269	.273E-03
34	10541	.311E-03
35	5251	.152E-03
36	6715	.196E-03
37	6768	.197E-03
38	4263	.122E-03
39	4989	.144E-03
40	4640	.133E-03

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.310E-03
.131E-02

.365E-02
.318E-02
.221E-02
.111E-02
.142E-03
.119E-02
.276E-02
.337E-02
.261E-02
.142E-02
.471E-03
.639E-03
.159E-02
.228E-02
.239E-02
.185E-02
.119E-02
.641E-03
.187E-03
.868E-03
.149E-02
.147E-02
.992E-03
.623E-03
.216E-03
.119E-02
.208E-02
.209E-02
.307E-02
.361E-02
.323E-02
.257E-02
.266E-02
.218E-02
.198E-02
.201E-02
.154E-02

RUN # 18

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	1.02 M/S	10.35 M/S
VOL. FLOW	.12E-03 M3/S	.11E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.13E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	1.88 M/S	8.93 M/S
VOL. FLOW	.12E-03 M3/S	.11E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.69E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	.87 M/S	8.84 M/S
VOL. FLOW	.12E-03 M3/S	.11E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.59E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1511	.738E-04
2	3055	.517E-03
3	4425	.911E-03
4	4970	.107E-02
5	3606	.676E-03
6	2257	.288E-03
7	1405	.434E-04
8	1372	.339E-04
9	3152	.545E-03
10	5217	.114E-02
11	5643	.126E-02
12	4014	.793E-03
13	2381	.324E-03
14	1402	.425E-04
15	2210	.275E-03
16	3856	.747E-03
17	4850	.103E-02
18	4474	.925E-03
19	3522	.652E-03
20	2418	.334E-03
21	1715	.132E-03
22	1556	.868E-04
23	2880	.467E-03
24	3640	.685E-03
25	3369	.608E-03
26	2563	.376E-03
27	1838	.168E-03
28	1392	.396E-04
29	2143	.255E-03
30	2563	.376E-03
31	1827	.165E-03
32	5641	.126E-02
33	5469	.121E-02
34	4325	.882E-03
35	5212	.114E-02
36	4948	.106E-02
37	4025	.796E-03
38	4435	.914E-03
39	3989	.786E-03
40	3183	.554E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1302	.126E-03
2	4055	.664E-03
3	8402	.152E-02
4	11731	.218E-02
5	10305	.190E-02
6	7115	.127E-02
7	3836	.621E-03
8	1012	.632E-04
9	3425	.540E-03
10	7474	.134E-02
11	9636	.177E-02
12	8236	.149E-02
13	5208	.892E-03
14	2308	.319E-03
15	1899	.238E-03
16	4245	.702E-03
17	6208	.109E-02
18	6441	.114E-02
19	5478	.945E-03
20	3916	.637E-03
21	2501	.357E-03
22	1182	.968E-04
23	2823	.421E-03
24	4179	.689E-03
25	4126	.678E-03
26	3273	.510E-03
27	2320	.322E-03
28	1449	.150E-03
29	4327	.718E-03
30	7513	.135E-02
31	7706	.139E-02
32	8860	.161E-02
33	10960	.203E-02
34	10011	.184E-02
35	7123	.127E-02
36	7805	.140E-02
37	6897	.123E-02
38	5383	.926E-03
39	5366	.923E-03
40	4560	.764E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	772	.547E-05
2	2049	.432E-04
3	5592	.148E-03
4	9823	.273E-03
5	12140	.342E-03
6	10787	.302E-03
7	6832	.185E-03
8	718	.387E-05
9	1983	.413E-04
10	5559	.147E-03
11	8979	.248E-03
12	9555	.265E-03
13	7419	.202E-03
14	3579	.885E-04
15	1257	.198E-04
16	3010	.716E-04
17	5099	.133E-03
18	6078	.163E-03
19	5910	.157E-03
20	4792	.124E-03
21	3295	.801E-04
22	883	.875E-05
23	2054	.434E-04
24	3511	.864E-04
25	3805	.951E-04
26	3425	.839E-04
27	2620	.601E-04
28	1680	.323E-04
29	2190	.474E-04
30	5618	.149E-03
31	8711	.240E-03
32	6367	.171E-03
33	9997	.278E-03
34	1138	.312E-03
35	3643	.149E-03
36	7179	.195E-03
37	7575	.207E-03
38	4502	.116E-03
39	5087	.133E-03
40	4833	.126E-03

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.205E-03
2	.122E-02
3	.258E-02
4	.352E-02
5	.292E-02
6	.186E-02
7	.849E-03
8	.101E-03
9	.113E-02
10	.262E-02
11	.328E-02
12	.255E-02
13	.442E-02
14	.450E-02
15	.333E-02
16	.152E-02
17	.223E-02
18	.222E-02
19	.175E-02
20	.110E-02
21	.570E-03
22	.192E-03
23	.931E-03
24	.146E-03
25	.138E-03
26	.970E-03
27	.549E-03
28	.221E-03
29	.102E-03
30	.187E-03
31	.179E-03
32	.304E-03
33	.352E-03
34	.303E-03
35	.256E-03
36	.256E-03
37	.223E-03
38	.196E-03
39	.184E-03
40	.144E-02

RUN # 19

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	1.02 M/S	10.35 M/S
VOL. FLOW	.12E-03M3/S	.11E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.16E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	.88 M/S	8.93 M/S
VOL. FLOW	.12E-03M3/S	.11E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	.87 M/S	8.84 M/S
VOL. FLOW	.12E-03M3/S	.11E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.99E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	2197	.176E-03
2	3959	.682E-03
3	5806	.121E-02
4	6182	.132E-02
5	4692	.893E-03
6	2695	.319E-03
7	1838	.730E-04
8	1809	.646E-04
9	3580	.573E-03
10	6537	.142E-02
11	7438	.168E-02
12	4416	.814E-03
13	2450	.249E-03
14	1750	.477E-04
15	2648	.306E-03
16	4299	.780E-03
17	5324	.107E-02
18	5452	.111E-02
19	4102	.723E-03
20	2545	.276E-03
21	2037	.130E-03
22	1998	.119E-03
23	3114	.440E-03
24	3997	.693E-03
25	3907	.667E-03
26	2786	.345E-03
27	2212	.180E-03
28	1906	.925E-04
29	3200	.464E-03
30	3638	.590E-03
31	2836	.360E-03
32	6265	.134E-02
33	7355	.166E-02
34	5566	.114E-02
35	5862	.123E-02
36	6020	.127E-02
37	4342	.792E-03
38	4882	.947E-03
39	4707	.897E-03
40	3575	.572E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	2261	.205E-03
2	5003	.747E-03
3	9144	.156E-02
4	12743	.228E-02
5	12103	.215E-02
6	7061	.115E-02
7	3460	.442E-03
8	1469	.486E-04
9	3561	.462E-03
10	7532	.125E-02
11	10297	.179E-02
12	7808	.130E-02
13	4165	.581E-03
14	2359	.224E-03
15	2192	.191E-03
16	4060	.560E-03
17	5843	.912E-03
18	6846	.111E-02
19	5617	.868E-03
20	3562	.482E-03
21	2593	.271E-03
22	1625	.794E-04
23	2845	.320E-03
24	4170	.582E-03
25	4587	.664E-03
26	3375	.425E-03
27	2537	.260E-03
28	2062	.166E-03
29	7003	.114E-02
30	10577	.185E-02
31	10905	.191E-02
32	8624	.146E-02
33	11326	.200E-02
34	11421	.201E-02
35	6556	.105E-02
36	7739	.129E-02
37	6308	.100E-02
38	5349	.815E-03
39	5814	.907E-03
40	4700	.687E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1284	.881E-05
2	2335	.399E-04
3	4605	.107E-03
4	8356	.218E-03
5	10180	.272E-03
6	7985	.207E-03
7	4740	.111E-03
8	1070	.248E-05
9	1978	.293E-04
10	4720	.110E-03
11	7844	.203E-03
12	7755	.200E-03
13	4912	.116E-03
14	2862	.555E-04
15	1467	.142E-04
16	2770	.527E-04
17	4492	.104E-03
18	5815	.143E-03
19	5494	.133E-03
20	4014	.895E-04
21	2958	.583E-04
22	1235	.736E-05
23	2126	.337E-04
24	3399	.713E-04
25	4091	.918E-04
26	3400	.714E-04
27	2683	.502E-04
28	2130	.338E-04
29	2765	.526E-04
30	4917	.116E-03
31	7900	.204E-03
32	5417	.131E-03
33	8150	.212E-03
34	9456	.250E-03
35	4784	.112E-03
36	6303	.157E-03
37	6158	.153E-03
38	4244	.963E-04
39	5081	.121E-03
40	4629	.108E-03

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.390E-03
2	.147E-02
3	.288E-02
4	.381E-02
5	.331E-02
6	.168E-02
7	.626E-03
8	.116E-03
9	.106E-02
10	.278E-02
11	.368E-02
12	.231E-02
13	.946E-03
14	.328E-03
15	.511E-03
16	.133E-02
17	.208E-02
18	.233E-02
19	.172E-02
20	.825E-03
21	.458E-03
22	.208E-03
23	.794E-03
24	.135E-02
25	.142E-02
26	.842E-03
27	.490E-03
28	.292E-03
29	.166E-02
30	.255E-02
31	.248E-02
32	.294E-02
33	.386E-02
34	.341E-02
35	.233E-02
36	.272E-02
37	.195E-02
38	.186E-02
39	.192E-02
40	.137E-02

RUN # 20

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.90E+03	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03M3/S	.26E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.39E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.16E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	882	*****
2	1057	.408E-04
3	1351	.119E-03
4	1422	.138E-03
5	1175	.723E-04
6	961	.152E-04
7	807	*****
8	852	*****
9	1253	.932E-04
10	1865	.257E-03
11	1911	.269E-03
12	1438	.143E-03
13	966	.166E-04
14	809	*****
15	1277	.996E-04
16	1927	.273E-03
17	2434	.408E-03
18	2394	.398E-03
19	1677	.206E-03
20	1282	.101E-03
21	942	.101E-04
22	1072	.449E-04
23	1727	.220E-03
24	2476	.420E-03
25	2318	.377E-03
26	1655	.200E-03
27	1296	.105E-03
28	923	.507E-05
29	823	*****
30	848	*****
31	853	*****
32	1741	.223E-03
33	1681	.207E-03
34	1465	.150E-03
35	2141	.330E-03
36	2156	.334E-03
37	1570	.178E-03
38	2589	.450E-03
39	2422	.405E-03
40	1659	.202E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	321	*****
2	794	.897E-04
3	1857	.326E-03
4	2376	.442E-03
5	2112	.383E-03
6	1323	.207E-03
7	676	.634E-04
8	246	*****
9	834	.986E-04
10	2155	.393E-03
11	2979	.576E-03
12	2407	.449E-03
13	1104	.159E-03
14	485	.209E-04
15	663	.605E-04
16	1767	.306E-03
17	2840	.545E-03
18	3090	.601E-03
19	2506	.471E-03
20	1779	.309E-03
21	1011	.138E-03
22	466	.167E-04
23	1283	.199E-03
24	2564	.484E-03
25	2888	.556E-03
26	2216	.406E-03
27	1616	.273E-03
28	819	.952E-04
29	630	.532E-04
30	1052	.147E-03
31	998	.135E-03
32	2075	.375E-03
33	2775	.531E-03
34	2586	.488E-03
35	2491	.467E-03
36	3026	.586E-03
37	2553	.481E-03
38	2835	.544E-03
39	3165	.617E-03
40	2375	.442E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	170	.413E-06
2	446	.146E-04
3	1728	.808E-04
4	3000	.146E-03
5	3488	.172E-03
6	2290	.110E-03
7	1371	.624E-04
8	165	.155E-06
9	564	.207E-04
10	2296	.110E-03
11	4453	.221E-03
12	4057	.201E-03
13	2334	.112E-03
14	1036	.451E-04
15	459	.153E-04
16	1808	.643E-04
17	3315	.163E-03
18	4292	.213E-03
19	3961	.196E-03
20	3140	.154E-03
21	1870	.881E-04
22	331	.872E-05
23	1036	.451E-04
24	2613	.126E-03
25	3694	.182E-03
26	3146	.154E-03
27	2444	.118E-03
28	1300	.587E-04
29	369	.107E-04
30	847	.353E-04
31	1209	.540E-04
32	2258	.108E-03
33	3767	.186E-03
34	4194	.208E-03
35	3077	.150E-03
36	4175	.207E-03
37	4124	.204E-03
38	3231	.158E-03
39	4270	.212E-03
40	3685	.182E-03

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.413E-06
2	.145E-03
3	.526E-03
4	.726E-03
5	.627E-03
6	.332E-03
7	.126E-03
8	.155E-06
9	.212E-03
10	.759E-03
11	.107E-02
12	.792E-03
13	.287E-03
14	.660E-04
15	.175E-03
16	.664E-03
17	.112E-02
18	.121E-02
19	.873E-03
20	.563E-03
21	.236E-03
22	.703E-04
23	.463E-03
24	.103E-02
25	.112E-02
26	.761E-03
27	.495E-03
28	.159E-03
29	.639E-04
30	.182E-03
31	.189E-03
32	.706E-03
33	.924E-03
34	.846E-03
35	.948E-03
36	.113E-02
37	.863E-03
38	.115E-02
39	.123E-02
40	.825E-03

RUN # 20V2

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03 M3/S	.25E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.17E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03 M3/S	.26E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.16E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03 M3/S	.25E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.14E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	3021	.355E-03
2	3552	.501E-03
3	4638	.801E-03
4	5241	.967E-03
6	7179	.150E-02
7	8252	.180E-02
8	8835	.196E-02
9	10003	.228E-02
10	10605	.245E-02
11	11835	.278E-02
12	10820	.251E-02
13	8618	.190E-02
14	3295	.431E-03
15	1808	.207E-04
16	1737	.110E-05
17	9995	.228E-02
18	6189	.123E-02
20	3559	.503E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	4405	.645E-03
2	4936	.767E-03
3	6035	.102E-02
4	6870	.121E-02
6	9024	.171E-02
7	10710	.209E-02
8	11431	.220E-02
9	13718	.279E-02
10	15281	.315E-02
11	16874	.351E-02
12	17261	.360E-02
13	14361	.293E-02
14	5454	.886E-03
15	2082	.110E-03
16	1685	.189E-04
17	11479	.227E-02
18	11150	.220E-02
20	6630	.116E-02

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	6022	.236E-03
2	6778	.275E-03
3	7252	.299E-03
4	8673	.373E-03
6	11876	.538E-03
7	13102	.601E-03
8	13645	.629E-03
9	14275	.661E-03
10	15043	.701E-03
11	15237	.711E-03
12	13942	.644E-03
13	11375	.512E-03
14	3541	.108E-03
15	1767	.164E-04
16	1513	.330E-05
17	9468	.414E-03
18	12758	.583E-03
20	10476	.466E-03

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.124E-02
2	.154E-02
3	.212E-02
4	.255E-02
6	.375E-02
7	.449E-02
8	.485E-02
9	.573E-02
10	.629E-02
11	.701E-02
12	.701E-02
13	.534E-02
14	.142E-02
15	.147E-02
16	.333E-02
17	.496E-02
18	.401E-02
20	.213E-02

RUN # 20V4

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03 M ³ /S	.25E+03 M ³ /S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.16E+04	
CALIBRATION FACTOR	.42E-02	
SO ₂ FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03 M ³ /S	.26E+03 M ³ /S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.15E+04	
CALIBRATION FACTOR	.22E-02	
SO ₂ FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03 M ³ /S	.25E+03 M ³ /S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.13E+04	
CALIBRATION FACTOR	.15E-02	
SO ₂ FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO₂ CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	2803	.323E-03
2	2930	.358E-03
3	3090	.402E-03
4	3323	.466E-03
6	3407	.490E-03
7	3535	.525E-03
8	3621	.549E-03
9	3718	.575E-03
10	3854	.613E-03
11	4068	.672E-03
12	4186	.704E-03
13	4417	.768E-03
14	4225	.715E-03
15	2909	.352E-03
16	2317	.189E-03
17	3755	.586E-03
19	3464	.505E-03
20	3187	.429E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
3596	.486E-03
3748	.521E-03
3912	.559E-03
4139	.611E-03
4249	.636E-03
4319	.652E-03
4435	.679E-03
4588	.714E-03
4792	.716E-03
5127	.838E-03
5279	.873E-03
5647	.958E-03
5170	.848E-03
3415	.444E-03
2527	.240E-03
4554	.706E-03
4388	.668E-03
4128	.608E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
4697	.174E-03
4850	.182E-03
4922	.185E-03
4897	.184E-03
5107	.195E-03
5285	.204E-03
5162	.198E-03
5235	.202E-03
4425	.211E-03
5589	.220E-03
5509	.216E-03
5375	.209E-03
4355	.156E-03
2733	.726E-04
2053	.375E-04
5176	.199E-03
5006	.190E-03
4729	.176E-03

TOTAL CONCENTRATION (GM/M**3)
.983E-03
.106E-02
.115E-02
.126E-02
.132E-02
.138E-02
.143E-02
.149E-02
.159E-02
.173E-02
.179E-02
.193E-02
.172E-02
.869E-03
.467E-03
.149E-02
.136E-02
.121E-02

RUN # 21

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E+03 M3/S	.25E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E+03 M3/S	.26E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.68E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E+03 M3/S	.25E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.70E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1099	*****
2	1108	*****
3	1125	*****
4	1146	*****
5	1103	*****
6	1111	*****
7	1102	*****
8	1127	*****
9	1142	*****
10	1382	.642E-04
11	1355	.569E-04
12	1177	.844E-05
13	1128	*****
14	1091	*****
15	1423	.754E-04
16	1719	.156E-03
17	1837	.188E-03
18	1660	.140E-03
19	1349	.552E-04
20	1207	.166E-04
21	1107	*****
22	1385	.650E-04
23	1807	.180E-03
24	2122	.266E-03
25	1754	.165E-03
26	1507	.982E-04
27	1262	.316E-04
28	1131	*****
29	1107	*****
30	1085	*****
31	1084	*****
32	1273	.346E-04
33	1211	.177E-04
34	1171	.680E-05
35	1568	.115E-03
36	1435	.786E-04
37	1261	.313E-04
38	2001	.233E-03
39	1667	.142E-03
40	1369	.607E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
679	*****
711	.681E-05
830	.338E-04
922	.547E-04
913	.526E-04
859	.404E-04
722	.930E-05
688	.159E-05
797	.263E-04
1089	.925E-04
1481	.181E-03
1131	.102E-03
950	.610E-04
762	.184E-04
921	.544E-04
1288	.138E-03
1755	.244E-03
1731	.238E-03
1421	.168E-03
1118	.991E-04
870	.429E-04
870	.429E-04
1331	.147E-03
1967	.292E-03
1796	.253E-03
1546	.196E-03
1084	.914E-04
812	.297E-04
706	.567E-05
750	.157E-04
762	.184E-04
1089	.925E-04
1118	.113E-03
1115	.984E-04
1437	.171E-03
1530	.193E-03
1302	.141E-03
1861	.268E-03
1730	.238E-03
1401	.163E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
714	.683E-06
745	.231E-05
913	.111E-04
1176	.250E-04
1387	.361E-04
1275	.302E-04
980	.147E-04
702	.526E-07
836	.710E-05
1433	.385E-04
2172	.773E-04
1859	.609E-04
1405	.370E-04
929	.120E-04
940	.126E-04
1413	.374E-04
2198	.787E-04
2384	.885E-04
2242	.810E-04
1768	.551E-04
1194	.259E-04
824	.647E-05
1342	.337E-04
2286	.833E-04
2517	.955E-04
2270	.825E-04
1579	.462E-04
1093	.206E-04
735	.179E-05
789	.463E-05
877	.925E-05
1214	.270E-04
1606	.476E-04
1691	.520E-04
1862	.610E-04
2211	.799E-04
2068	.719E-04
2258	.818E-04
2347	.865E-04
2271	.825E-04

TOTAL CONCENTRATION (GM/M**3)
.683E-06
.912E-05
.449E-04
.796E-04
.887E-04
.706E-04
.240E-04
.164E-05
.334E-04
.195E-03
.316E-03
.171E-03
.990E-04
.304E-04
.142E-03
.331E-03
.510E-03
.467E-03
.304E-03
.172E-03
.688E-04
.114E-03
.361E-03
.641E-03
.514E-03
.377E-03
.169E-03
.503E-04
.746E-05
.203E-04
.276E-04
.154E-03
.178E-03
.157E-03
.347E-03
.351E-03
.244E-03
.582E-03
.466E-03
.307E-03

RUN # 21V1

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03 M3/S	.25E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.66E+03	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	777	.312E-04
2	918	.700E-04
3	1445	.215E-03
4	2049	.382E-03
5	2910	.619E-03
6	4264	.992E-03
7	6137	.151E-02
8	8308	.211E-02
9	11294	.293E-02
10	15264	.402E-02
11	17759	.471E-02
12	16066	.425E-02
13	6884	.171E-02
14	956	.805E-04
15	631	*****
16	628	*****
17	14209	.373E-02
19	2620	.533E-03
20	990	.899E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03 M3/S	.26E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.17E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
348	.412E-04
761	.136E-03
1877	.393E-03
3214	.700E-03
4612	.102E-02
6290	.141E-02
9891	.224E-02
15129	.344E-02
20867	.476E-02
25880	.591E-02
37856	.867E-02
42098	.965E-02
28734	.657E-02
4757	.106E-02
92	*****
87	*****
12022	.273E-02
7168	.161E-02
1820	.380E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03 M3/S	.25E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.18E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
402	.115E-04
907	.375E-04
2484	.119E-03
4466	.221E-03
6508	.326E-03
9851	.499E-03
13570	.691E-03
17100	.873E-03
21936	.112E-02
27812	.142E-02
34021	.175E-02
24668	.126E-02
12340	.627E-03
901	.372E-04
120	*****
109	*****
7363	.370E-03
18432	.941E-03
7763	.391E-03

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.838E-04
.244E-03
.727E-03
.130E-02
.197E-02
.290E-02
.444E-02
.642E-02
.881E-02
.114E-01
.151E-01
.152E-01
.891E-02
.117E-02

.683E-02
.309E-02
.861E-03

RUN # 21V2

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.94E+03	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03M3/S	.26E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.55E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.49E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1227	.802E-04
2	1435	.138E-03
3	1787	.235E-03
4	2048	.307E-03
5	2625	.466E-03
6	3096	.595E-03
7	4267	.918E-03
8	5327	.121E-02
9	6496	.153E-02
10	7709	.187E-02
11	9818	.245E-02
12	11434	.289E-02
13	10116	.253E-02
14	4466	.973E-03
15	1069	.367E-04
16	986	.138E-04
17	6973	.166E-02
19	3227	.632E-03
20	1442	.139E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
1313	.175E-03
1744	.274E-03
2544	.458E-03
3030	.570E-03
4137	.824E-03
4997	.102E-02
6683	.141E-02
8099	.174E-02
10664	.233E-02
13934	.308E-02
15866	.352E-02
19376	.433E-02
17404	.388E-02
7348	.156E-02
836	.649E-04
609	.127E-04
7554	.161E-02
6493	.137E-02
2681	.489E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
1473	.506E-04
2067	.813E-04
3220	.141E-03
4510	.207E-03
6196	.294E-03
7741	.374E-03
9262	.452E-03
10625	.523E-03
12265	.607E-03
13711	.682E-03
15039	.750E-03
15359	.767E-03
13363	.664E-03
4067	.184E-03
727	.122E-04
495	.206E-06
6415	.305E-03
11558	.571E-03
7021	.337E-03

TOTAL CONCENTRATION (GM/M**3)
.305E-03
.493E-03
.833E-03
.108E-02
.158E-02
.199E-02
.278E-02
.347E-02
.447E-02
.563E-02
.672E-02
.799E-02
.707E-02
.272E-02
.114E-03
.266E-04
.358E-02
.257E-02
.966E-03

RUN # 21V3
STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1946	.201E-03
2	2047	.229E-03
3	2383	.321E-03
4	2704	.410E-03
6	3311	.577E-03
7	3684	.680E-03
8	4006	.769E-03
9	4343	.862E-03
10	4882	.101E-02
11	5345	.114E-02
12	5472	.117E-02
13	6104	.135E-02
14	4904	.102E-02
15	2308	.301E-03
16	1423	.568E-04
17	4341	.861E-03
19	3350	.588E-03
20	2481	.348E-03

STACK #2

	MODEL	PROTOTYPE
	1.55 M/S	20.12 M/S
	2.05 M/S	20.83 M/S
	.29E-03M3/S	.26E+03M3/S
	.30E+05	.10E+01
	.95E+03	
	.22E-02	
	.1050E+04 (GM/SEC)	
	30.48 CM	91.44 M
	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2277	.306E-03
2583	.376E-03
3118	.499E-03
3683	.629E-03
4466	.809E-03
5090	.953E-03
5541	.106E-02
6141	.119E-02
6873	.136E-02
7595	.153E-02
8830	.181E-02
9658	.200E-02
7161	.143E-02
2711	.406E-03
1276	.755E-04
5294	.100E-02
4928	.916E-03
3815	.660E-03

STACK #3

	MODEL	PROTOTYPE
	1.55 M/S	20.12 M/S
	2.00 M/S	20.38 M/S
	.27E-03M3/S	.25E+03M3/S
	.20E+05	.10E+01
	.80E+03	
	.15E-02	
	.2200E+03 (GM/SEC)	
	30.48 CM	91.44 M
	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2830	.105E-03
3372	.133E-03
4169	.174E-03
4886	.211E-03
5777	.257E-03
6397	.289E-03
6998	.320E-03
7557	.348E-03
8122	.378E-03
8494	.397E-03
9398	.443E-03
9504	.449E-03
5799	.258E-03
2036	.637E-04
1040	.123E-04
5553	.245E-03
6710	.305E-03
5501	.242E-03

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.611E-03
.737E-03
.994E-03
.125E-02
.164E-02
.192E-02
.214E-02
.240E-02
.275E-02
.300E-02
.343E-02
.380E-02
.270E-02
.470E-02
.145E-03
.211E-03
.181E-03
.125E-02

RUN # 21V4

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.14E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	2113	.193E-03
2	2256	.233E-03
3	2412	.276E-03
4	2633	.337E-03
6	2747	.368E-03
7	2905	.412E-03
8	2960	.427E-03
9	3041	.449E-03
10	3172	.485E-03
11	3269	.512E-03
12	3470	.567E-03
13	3615	.607E-03
14	3520	.581E-03
15	2873	.403E-03
16	2099	.189E-03
17	3161	.482E-03
19	2661	.344E-03
20	2483	.295E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03M3/S	.26E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	2516	.301E-03
2	2694	.342E-03
3	2939	.398E-03
4	3201	.459E-03
6	3427	.511E-03
7	3725	.579E-03
8	3830	.603E-03
9	4035	.651E-03
10	4202	.689E-03
11	4357	.725E-03
12	4654	.793E-03
13	4916	.853E-03
14	4544	.768E-03
15	3686	.570E-03
16	2386	.271E-03
17	3911	.622E-03
19	3459	.518E-03
20	3224	.464E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.10E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	3204	.111E-03
2	3377	.120E-03
3	3612	.132E-03
4	3828	.144E-03
6	4056	.155E-03
7	4351	.171E-03
8	4432	.175E-03
9	4703	.189E-03
10	4874	.198E-03
11	5028	.206E-03
12	5122	.210E-03
13	5160	.212E-03
14	4205	.163E-03
15	2758	.884E-04
16	1941	.463E-04
17	4354	.171E-03
19	4197	.163E-03
20	3939	.149E-03

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.606E-03
.695E-03
.807E-03
.939E-03
.103E-02
.116E-02
.120E-02
.129E-02
.137E-02
.144E-02
.157E-02
.167E-02
.151E-02
.106E-02
.507E-03
.127E-02
.102E-02
.909E-03

RUN # 22

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E+03 M3/S	.25E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.13E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E+03 M3/S	.26E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.66E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E+03 M3/S	.25E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.49E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1219	*****
2	1320	.158E-04
3	1476	.574E-04
4	1512	.670E-04
5	1379	.315E-04
6	1231	*****
7	1178	*****
8	1203	*****
9	1556	.788E-04
10	2126	.231E-03
11	2182	.246E-03
12	1600	.905E-04
13	1315	.144E-04
14	1189	*****
15	1637	.100E-03
16	2342	.289E-03
17	2717	.389E-03
18	2628	.365E-03
19	1823	.150E-03
20	1472	.563E-04
21	1274	.347E-05
22	1580	.852E-04
23	2153	.238E-03
24	2443	.316E-03
25	1831	.152E-03
26	1480	.585E-04
27	1262	.267E-06
28	1210	*****
29	1205	*****
30	1181	*****
31	1833	.153E-03
32	1813	.147E-03
33	1549	.769E-04
34	2427	.311E-03
35	2423	.310E-03
36	1771	.136E-03
37	2808	.413E-03
38	2529	.339E-03
39	1840	.155E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
671	.312E-05
840	.407E-04
1383	.162E-03
1876	.271E-03
1755	.244E-03
1247	.131E-03
923	.592E-04
658	.223E-06
1126	.104E-03
2106	.322E-03
2837	.485E-03
2101	.321E-03
1399	.165E-03
780	.274E-04
1062	.901E-04
1973	.293E-03
2704	.456E-03
3179	.561E-03
2428	.394E-03
1634	.217E-03
1118	.103E-03
975	.708E-04
1709	.234E-03
2844	.487E-03
2136	.329E-03
1500	.188E-03
979	.717E-04
776	.265E-04
944	.639E-04
931	.610E-04
1913	.280E-03
2338	.374E-03
2108	.323E-03
2462	.402E-03
3084	.540E-03
2275	.360E-03
2811	.479E-03
2971	.515E-03
2314	.369E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
495	.516E-07
601	.552E-05
1104	.315E-04
2179	.869E-04
2215	.888E-04
1842	.695E-04
1301	.416E-04
487	*****
791	.153E-04
2386	.976E-04
3799	.170E-03
3561	.158E-03
2328	.946E-04
957	.239E-04
746	.130E-04
1646	.594E-04
3194	.139E-03
4331	.198E-03
3986	.180E-03
2776	.118E-03
1617	.579E-04
1649	.799E-05
1285	.408E-04
3689	.165E-03
2964	.127E-03
2072	.814E-04
1147	.337E-04
550	.289E-05
729	.121E-04
904	.211E-04
1957	.754E-04
2776	.118E-03
3224	.141E-03
2917	.125E-03
4248	.194E-03
3578	.159E-03
3282	.144E-03
4065	.184E-03
3469	.153E-03

TOTAL CONCENTRATION (GM/M**3)
.317E-05
.620E-04
.250E-03
.425E-03
.365E-03
.201E-03
.101E-03
.223E-06
.198E-03
.651E-03
.901E-03
.570E-03
.274E-03
.512E-04
.204E-03
.641E-03
.983E-03
.112E-02
.724E-03
.391E-03
.164E-03
.164E-03
.513E-03
.267E-03
.609E-03
.327E-03
.106E-03
.294E-04
.760E-04
.821E-04
.508E-03
.639E-03
.541E-03
.838E-03
.104E-02
.655E-03
.104E-02
.104E-02
.677E-03

RUN # 23

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.14E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03M3/S	.26E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.86E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.68E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1401	*****
2	1484	.123E-04
3	1674	.630E-04
4	1688	.667E-04
5	1569	.350E-04
6	1423	*****
7	1408	*****
8	1394	*****
9	1676	.635E-04
10	2302	.231E-03
11	2347	.243E-03
12	1966	.141E-03
13	1368	.347E-04
14	1383	*****
15	1741	.809E-04
16	2472	.276E-03
17	3085	.440E-03
18	2889	.387E-03
19	2327	.237E-03
20	1760	.860E-04
21	1502	.171E-04
22	1604	.443E-04
23	2384	.253E-03
24	3262	.487E-03
25	2978	.411E-03
26	2284	.226E-03
27	1829	.104E-03
28	1480	.112E-04
29	1384	*****
30	1394	*****
31	1382	*****
32	2020	.155E-03
33	1960	.139E-03
34	1820	.102E-03
35	2718	.342E-03
36	2635	.320E-03
37	2177	.197E-03
38	3120	.449E-03
39	2919	.395E-03
40	2326	.237E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
925	.151E-04
1220	.808E-04
1834	.217E-03
2180	.294E-03
1981	.250E-03
1480	.139E-03
1139	.628E-04
909	.116E-04
1377	.116E-03
2533	.373E-03
3215	.525E-03
2568	.381E-03
1730	.194E-03
1050	.429E-04
1253	.881E-04
2128	.283E-03
3388	.563E-03
3599	.610E-03
2904	.456E-03
2029	.261E-03
1401	.121E-03
1031	.387E-04
2058	.267E-03
3438	.574E-03
3579	.606E-03
2709	.412E-03
1911	.235E-03
1213	.792E-04
1115	.574E-04
1265	.908E-04
1250	.875E-04
2257	.312E-03
2761	.424E-03
2370	.337E-03
2895	.654E-03
3256	.534E-03
2896	.454E-03
3448	.577E-03
3519	.592E-03
2898	.454E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
720	.201E-05
888	.107E-04
1474	.409E-04
2512	.944E-04
2517	.947E-04
2030	.696E-04
1463	.403E-04
730	.253E-05
1063	.197E-04
2222	.795E-04
3819	.162E-03
3607	.151E-03
2314	.842E-04
1147	.240E-04
986	.157E-04
1832	.594E-04
3470	.144E-03
4189	.181E-03
3841	.163E-03
2796	.109E-03
1741	.547E-04
834	.789E-05
1807	.581E-04
3389	.140E-03
4052	.174E-03
3317	.136E-03
2236	.802E-04
1296	.317E-04
788	.552E-05
1019	.174E-04
1249	.293E-04
2070	.716E-04
3039	.122E-03
3197	.130E-03
3066	.123E-03
3728	.157E-03
3880	.165E-03
3510	.146E-03
4060	.174E-03
3656	.153E-03

TOTAL CONCENTRATION (GM/M**3)
.171E-04
.104E-03
.321E-03
.456E-03
.380E-03
.208E-03
.103E-03
.141E-04
.199E-03
.683E-03
.929E-03
.673E-03
.313E-03
.670E-04
.185E-03
.618E-03
.115E-03
.118E-03
.856E-03
.456E-03
.193E-03
.909E-04
.578E-04
.120E-02
.119E-02
.774E-03
.419E-03
.122E-03
.629E-04
.108E-03
.117E-03
.539E-03
.685E-03
.568E-03
.918E-03
.101E-03
.816E-03
.117E-03
.116E-03
.845E-03

RUN # 24

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E+03 M ³ /S	.25E+03 M ³ /S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.15E+04	
CALIBRATION FACTOR	.41E-02	
SO ₂ FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1583	.128E-04
2	1864	.878E-04
3	2294	.203E-03
4	2108	.153E-03
5	1808	.729E-04
6	1559	.641E-05
7	1515	*****
8	1538	.801E-06
9	2215	.182E-03
10	2907	.366E-03
11	2938	.375E-03
12	2018	.129E-03
13	1620	.227E-04
14	1514	*****
15	2118	.156E-03
16	3121	.423E-03
17	3529	.532E-03
18	3066	.409E-03
19	2189	.175E-03
20	1854	.852E-04
21	1654	.318E-04
22	1954	.112E-03
23	2614	.288E-03
24	3399	.471E-03
25	3904	.365E-03
26	2279	.199E-03
27	2014	.128E-03
28	1671	.363E-04
29	1366	.828E-05
30	1576	.109E-04
31	1549	.374E-05
32	2548	.270E-03
33	2542	.269E-03
34	2208	.137E-03
35	3209	.447E-03
36	2983	.387E-03
37	2131	.159E-03
38	3547	.537E-03
39	3024	.398E-03
40	2245	.190E-03

STACK #2

MODEL	PROTOTYPE
1.55 M/S	20.12 M/S
2.05 M/S	20.83 M/S
.29E+03 M ³ /S	.26E+03 M ³ /S
.31E+05	.10E+01
.11E+04	
.22E-02	
.1050E+04 (GM/SEC)	
25.40 CM	76.20 M
1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1183	.176E-04
1670	.126E-03
2515	.314E-03
2869	.393E-03
2347	.277E-03
1636	.118E-03
1264	.356E-04
1120	.356E-05
1784	.151E-03
2896	.399E-03
3617	.559E-03
2598	.332E-03
1739	.141E-03
1242	.307E-04
1478	.832E-04
2536	.319E-03
3416	.515E-03
3814	.603E-03
2900	.400E-03
2035	.207E-03
1578	.105E-03
1465	.803E-04
2111	.224E-03
3276	.483E-03
3455	.523E-03
2640	.342E-03
2136	.230E-03
1523	.952E-04
1398	.654E-04
1596	.109E-03
1594	.109E-03
2834	.385E-03
3342	.498E-03
2727	.361E-03
3183	.463E-03
3579	.551E-03
2906	.401E-03
3511	.536E-03
3725	.583E-03
2816	.381E-03

STACK #3

MODEL	PROTOTYPE
1.55 M/S	20.12 M/S
2.00 M/S	20.38 M/S
.27E+03 M ³ /S	.25E+03 M ³ /S
.20E+05	.10E+01
.87E+03	
.15E-02	
.2200E+03 (GM/SEC)	
25.40 CM	76.20 M
1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
887	.980E-06
1198	.170E-04
2042	.605E-04
2768	.980E-04
3133	.117E-03
2322	.750E-04
1666	.412E-04
890	.113E-05
1356	.252E-04
2640	.914E-04
4150	.169E-03
3709	.147E-03
2505	.844E-04
1513	.333E-04
1183	.162E-04
2061	.615E-04
3397	.130E-03
4690	.197E-03
4419	.183E-03
3212	.121E-03
2252	.714E-04
1088	.113E-04
1651	.404E-04
3116	.116E-03
4194	.172E-03
3557	.139E-03
2778	.985E-04
1881	.522E-04
1018	.774E-05
1266	.205E-04
1723	.441E-04
2431	.806E-04
3649	.143E-03
3395	.130E-03
3162	.118E-03
4135	.168E-03
4167	.170E-03
3428	.132E-03
4548	.190E-03
4087	.166E-03

PREDICTED TOTAL PROTOTYPE
SO₂ CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.314E-04
.231E-03
.577E-03
.644E-03
.466E-03
.200E-03
.768E-04
.550E-05
.358E-03
.855E-03
.110E-03
.608E-03
.248E-03
.648E-04
.255E-03
.804E-03
.118E-02
.121E-02
.757E-03
.413E-03
.209E-03
.204E-03
.553E-03
.107E-02
.106E-02
.679E-03
.456E-03
.182E-03
.814E-04
.141E-03
.157E-03
.736E-03
.910E-03
.629E-03
.103E-02
.111E-02
.730E-03
.120E-02
.117E-02
.737E-03

RUN # 27

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	1.10 M/S	11.22 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	39.12 CM	117.36 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.63E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	39.12 CM	117.36 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.58E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	39.12 CM	117.36 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1087	*****
2	1278	.519E-04
3	1263	.467E-04
4	1173	.156E-04
5	1054	*****
6	1020	*****
7	1005	*****
8	1348	.761E-04
9	1836	.245E-03
10	1807	.235E-03
11	1487	.124E-03
12	1163	.121E-04
13	1037	*****
14	975	*****
15	1829	.242E-03
16	2227	.380E-03
17	2178	.363E-03
18	1798	.232E-03
19	1446	.110E-03
20	1211	.287E-04
21	1036	*****
22	1486	.124E-03
23	1978	.294E-03
24	2151	.354E-03
25	1866	.255E-03
26	1483	.123E-03
27	1220	.318E-04
28	1034	*****
29	1026	*****
30	993	*****
31	979	*****
32	1479	.121E-03
33	1327	.688E-04
34	1132	.138E-05
35	2019	.308E-03
36	1636	.176E-03
37	1297	.584E-04
38	2149	.353E-03
39	1817	.238E-03
40	1466	.117E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	650	.524E-05
2	1089	.110E-03
3	1079	.107E-03
4	952	.771E-04
5	774	.347E-04
6	676	.114E-04
7	645	.405E-05
8	1160	.127E-03
9	1854	.292E-03
10	1828	.286E-03
11	1389	.181E-03
12	933	.126E-04
13	757	.307E-04
14	646	.428E-05
15	1833	.287E-03
16	2393	.420E-03
17	2330	.405E-03
18	1812	.282E-03
19	1322	.165E-03
20	1003	.892E-04
21	751	.293E-04
22	1356	.173E-03
23	2051	.339E-03
24	2296	.397E-03
25	1899	.302E-03
26	1380	.179E-03
27	998	.881E-04
28	750	.290E-04
29	740	.267E-04
30	697	.164E-04
31	638	.238E-05
32	1386	.180E-03
33	1173	.130E-03
34	896	.638E-04
35	2104	.351E-03
36	1592	.229E-03
37	1130	.119E-03
38	2280	.393E-03
39	1830	.286E-03
40	1350	.172E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	590	.534E-06
2	963	.138E-04
3	957	.136E-04
4	854	.993E-05
5	667	.328E-05
6	599	.854E-06
7	560	*****
8	1005	.153E-04
9	1634	.377E-04
10	1638	.378E-04
11	1243	.238E-04
12	830	.908E-05
13	651	.271E-05
14	552	*****
15	1607	.367E-04
16	2138	.556E-04
17	2084	.537E-04
18	1617	.371E-04
19	1167	.211E-04
20	875	.107E-04
21	638	.224E-05
22	1176	.214E-04
23	1807	.439E-04
24	2037	.520E-04
25	1680	.393E-04
26	1214	.227E-04
27	857	.100E-04
28	634	.210E-05
29	627	.185E-05
30	589	.498E-06
31	549	*****
32	1235	.235E-04
33	1040	.166E-04
34	780	.730E-05
35	1876	.463E-04
36	1412	.298E-04
37	987	.147E-04
38	2022	.515E-04
39	1616	.371E-04
40	1188	.218E-04

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.577E-05
2	.175E-03
3	.168E-03
4	.103E-03
5	.380E-04
6	.123E-04
7	.405E-05
8	.218E-03
9	.574E-03
10	.558E-03
11	.329E-03
12	.938E-04
13	.334E-04
14	.428E-05
15	.566E-03
16	.856E-03
17	.822E-03
18	.551E-03
19	.296E-03
20	.129E-03
21	.315E-04
22	.318E-03
23	.676E-03
24	.803E-03
25	.597E-03
26	.324E-03
27	.130E-03
28	.311E-04
29	.285E-04
30	.169E-04
31	.238E-05
32	.325E-03
33	.215E-03
34	.725E-04
35	.706E-03
36	.435E-03
37	.193E-03
38	.798E-03
39	.561E-03
40	.311E-03

RUN # 28

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	1.10 M/S	25.57 M/S
VOL. FLOW	.13E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.76E+03	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	39.12 CM	117.36 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	.96 M/S	22.57 M/S
VOL. FLOW	.13E+03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.54E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	39.12 CM	117.36 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	.95 M/S	22.08 M/S
VOL. FLOW	.13E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.25E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	39.12 CM	117.36 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	784	.184E-04
2	775	.118E-04
3	773	.103E-04
4	698	*****
5	690	*****
6	732	*****
7	734	*****
8	779	.147E-04
9	921	.119E-03
10	985	.166E-03
11	877	.867E-04
12	769	.735E-05
13	698	*****
14	709	*****
15	1068	.227E-03
16	1332	.421E-03
17	1336	.424E-03
18	1116	.262E-03
19	916	.115E-03
20	786	.198E-04
21	723	*****
22	1187	.314E-03
23	1425	.489E-03
24	1544	.577E-03
25	1329	.419E-03
26	1034	.202E-03
27	850	.669E-04
28	701	*****
29	716	*****
30	719	*****
31	714	*****
32	813	.397E-04
33	778	.140E-04
34	760	.735E-06
35	1199	.323E-03
36	1015	.188E-03
37	807	.353E-04
38	1438	.499E-03
39	1172	.303E-03
40	941	.134E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
455	*****
463	*****
466	*****
414	*****
384	*****
376	*****
372	*****
551	.750E-05
809	.169E-03
911	.232E-03
746	.129E-03
537	*****
405	*****
375	*****
995	.285E-03
1436	.560E-03
1441	.564E-03
1094	.347E-03
770	.144E-03
561	.137E-04
420	*****
1082	.339E-03
1509	.606E-03
1698	.724E-03
1365	.516E-03
921	.239E-03
637	.612E-04
410	*****
386	*****
382	*****
373	*****
631	.575E-04
570	.194E-04
471	*****
1246	.442E-03
938	.249E-03
617	.487E-04
1555	.635E-03
1169	.394E-03
800	.163E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
280	.470E-05
289	.598E-05
285	.541E-05
271	.342E-05
264	.242E-05
251	.570E-06
248	.142E-06
326	.112E-04
465	.310E-04
562	.449E-04
462	.306E-04
337	.128E-04
281	.484E-05
243	*****
585	.481E-04
888	.913E-04
941	.988E-04
732	.691E-04
499	.359E-04
352	.150E-04
267	.285E-05
715	.666E-04
1014	.109E-03
1188	.134E-03
976	.104E-03
653	.578E-04
435	.268E-04
278	.441E-05
258	.157E-05
265	.256E-05
264	.242E-05
388	.201E-04
355	.154E-04
326	.112E-04
771	.746E-04
590	.488E-04
387	.199E-04
1048	.114E-03
807	.797E-04
537	.413E-04

TOTAL CONCENTRATION (GM/M**3)
.231E-04
.177E-04
.157E-04
.342E-05
.242E-05
.570E-06
.142E-06
.334E-04
.319E-03
.443E-04
.247E-04
.202E-04
.484E-05

.560E-03
.107E-02
.109E-02
.678E-03
.296E-03
.485E-04
.285E-05
.720E-03
.120E-02
.143E-02
.104E-02
.499E-03
.155E-03
.441E-05
.157E-05
.256E-05
.242E-05
.117E-03
.487E-04
.120E-04
.840E-03
.486E-03
.104E-03
.125E-02
.777E-03
.338E-03

RUN # 29

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	1.10 M/S	11.22 M/S
VOL. FLOW	.13E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.10E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	43.18 CM	129.54 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1013	.346E-05
2	1094	.315E-04
3	1087	.290E-04
4	991	*****
5	967	*****
6	940	*****
7	936	*****
8	1140	.474E-04
9	1357	.122E-03
10	1346	.119E-03
11	1201	.685E-04
12	1034	.107E-04
13	979	*****
14	947	*****
15	1556	.191E-03
16	1788	.271E-03
17	1719	.248E-03
18	1460	.158E-03
19	1225	.768E-04
20	1097	.325E-04
21	983	*****
22	1392	.135E-03
23	1870	.300E-03
24	1866	.298E-03
25	1574	.197E-03
26	1302	.103E-03
27	1106	.356E-04
28	971	*****
29	956	*****
30	949	*****
31	944	*****
32	1151	.512E-04
33	1077	.256E-04
34	997	*****
35	1571	.196E-03
36	1335	.115E-03
37	1113	.380E-04
38	1750	.258E-03
39	1534	.184E-03
40	1242	.826E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.53E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	43.18 CM	129.54 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
590	.152E-04
679	.364E-04
666	.333E-04
571	.107E-04
531	.119E-05
504	*****
501	*****
752	.538E-04
1115	.140E-03
1097	.136E-03
893	.873E-04
630	.248E-04
543	.405E-05
504	*****
1371	.201E-03
1683	.275E-03
1603	.256E-03
1250	.172E-03
923	.945E-04
711	.440E-04
555	.690E-05
1135	.149E-03
1779	.298E-03
1779	.298E-03
1389	.205E-03
1031	.120E-03
736	.500E-04
545	.452E-05
517	*****
517	*****
513	*****
837	.740E-04
693	.397E-04
592	.157E-04
1397	.207E-03
1086	.133E-03
785	.616E-04
1638	.265E-03
1336	.193E-03
957	.103E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.48E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	43.18 CM	129.54 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
556	.271E-05
653	.616E-05
650	.605E-05
556	.271E-05
516	.128E-05
483	.107E-06
479	*****
713	.829E-05
1069	.210E-04
1055	.205E-04
867	.138E-04
611	.466E-05
521	.146E-05
475	*****
1276	.283E-04
1599	.398E-04
1599	.373E-04
1198	.256E-04
872	.140E-04
676	.698E-05
523	.153E-05
1042	.200E-04
1676	.426E-04
1687	.430E-04
1327	.302E-04
980	.178E-04
707	.808E-05
522	.150E-05
489	.320E-06
485	.178E-06
483	.107E-06
812	.118E-04
682	.719E-05
579	.352E-05
1337	.305E-04
1041	.200E-04
743	.936E-05
1586	.394E-04
1266	.280E-04
905	.151E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.214E-04
.740E-04
.684E-04
.134E-04
.247E-05
.107E-06

.109E-03
.284E-03
.275E-03
.170E-03
.401E-04
.551E-05

.421E-03
.587E-03
.541E-03
.356E-03
.185E-03
.835E-04
.843E-05
.299E-03
.541E-03
.640E-03
.433E-03
.241E-03
.937E-04
.602E-05
.320E-06
.178E-06
.107E-06
.137E-05
.725E-04
.434E-04
.268E-03
.109E-03
.562E-03
.404E-03
.200E-03

RUN # 30

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.79E+03	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	43.18 CM	129.54 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E+03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.18E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	43.18 CM	129.54 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.35E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	43.18 CM	129.54 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	796	.355E-05
2	876	.293E-04
3	919	.432E-04
4	931	.471E-04
5	997	.684E-04
6	902	.377E-04
8	348	.203E-04
9	931	.471E-04
10	984	.642E-04
11	932	.474E-04
12	894	.351E-04
13	843	.187E-04
14	789	.129E-05
15	1083	.961E-04
16	1194	.132E-03
17	1196	.133E-03
18	1043	.832E-04
19	904	.384E-04
20	836	.164E-04
21	797	.387E-05
22	1117	.107E-03
23	1399	.198E-03
24	1465	.219E-03
25	1220	.140E-03
26	1007	.716E-04
27	857	.232E-04
28	782	*****
29	1010	.726E-04
30	1063	.896E-04
31	1099	.101E-03
32	975	.613E-04
33	936	.487E-04
34	934	.480E-04
35	1090	.983E-04
36	1003	.703E-04
37	930	.468E-04
38	1269	.156E-03
39	1099	.101E-03
40	994	.674E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
1804	*****
1840	.806E-05
1834	.645E-05
1814	.108E-05
1779	*****
1767	*****
1968	.425E-04
2075	.712E-04
2123	.841E-04
1989	.481E-04
1855	.121E-04
1789	*****
1751	*****
2312	.135E-03
2534	.195E-03
2498	.185E-03
2232	.113E-03
2016	.554E-04
1855	.121E-04
1793	*****
2283	.127E-03
2735	.249E-03
2832	.275E-03
2492	.183E-03
2134	.871E-04
1912	.274E-04
1770	*****
1778	*****
1772	*****
1767	*****
1968	.425E-04
1901	.245E-04
1828	.484E-05
2362	.148E-03
2155	.927E-04
1942	.355E-04
2645	.224E-03
2357	.147E-03
2149	.911E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
402	.330E-05
519	.106E-04
636	.179E-04
708	.224E-04
851	.313E-04
791	.275E-04
441	.573E-05
518	.105E-04
672	.201E-04
677	.204E-04
694	.215E-04
631	.176E-04
524	.109E-04
606	.160E-04
735	.240E-04
806	.285E-04
724	.234E-04
617	.167E-04
552	.126E-04
497	.922E-05
665	.197E-04
926	.359E-04
1032	.426E-04
868	.323E-04
667	.198E-04
522	.108E-04
441	.573E-05
654	.190E-04
796	.278E-04
982	.394E-04
688	.211E-04
710	.226E-04
760	.256E-04
723	.233E-04
718	.230E-04
719	.231E-04
853	.314E-04
777	.267E-04
679	.206E-04

TOTAL CONCENTRATION (GM/M**3)
.685E-05
.480E-04
.675E-04
.705E-04
.996E-04
.653E-04
.635E-04
.129E-03
.168E-03
.176E-03
.132E-04
.122E-04
.182E-04
.122E-05
.961E-04
.132E-03
.133E-03
.832E-04
.384E-04
.164E-04
.387E-05
.107E-03
.198E-03
.219E-03
.140E-03
.716E-04
.232E-04

.726E-04
.896E-04
.101E-03
.613E-04
.487E-04
.480E-04
.983E-04
.703E-04
.468E-04
.156E-03
.101E-03
.674E-04

RUN # 51R

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E+03M3/S	.27E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.10E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	3066	.648E-03
16	2757	.549E-03
17	3595	.817E-03
18	3394	.753E-03
19	2564	.487E-03
20	1775	.234E-03
22	1513	.150E-03
24	3227	.699E-03
25	2882	.589E-03
26	2183	.365E-03
28	1216	.554E-04
39	3508	.789E-03
39	3150	.674E-03
40	2433	.445E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03M3/S	.29E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.36E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
4781	.118E-02
2464	.560E-03
4348	.106E-02
4627	.114E-02
3529	.444E-03
2132	.472E-03
816	.121E-03
3591	.861E-03
3668	.882E-03
2643	.608E-03
914	.147E-03
4165	.101E-02
4064	.987E-03
3092	.728E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.31E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
5085	.296E-03
1617	.811E-04
4254	.244E-03
4995	.290E-03
4404	.253E-03
3032	.169E-03
673	.227E-04
3452	.195E-03
4087	.234E-03
3391	.191E-03
1137	.514E-04
4166	.239E-03
4233	.243E-03
3818	.217E-03

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.212E-02
.119E-02
.212E-02
.218E-02
.158E-02
.875E-03
.294E-03
.175E-02
.170E-02
.116E-02
.254E-03
.204E-02
.190E-02
.139E-02

RUN # 52

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.13E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	1855	.191E-03
16	1833	.184E-03
17	2240	.314E-03
18	2015	.242E-03
19	1598	.109E-03
20	1396	.439E-04
22	1454	.624E-04
24	2462	.385E-03
25	2079	.263E-03
26	1625	.117E-03
28	1247	*****
38	2377	.358E-03
39	2008	.240E-03
40	1636	.121E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.65E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2104	.389E-03
1211	.151E-03
1855	.323E-03
2167	.406E-03
1837	.318E-03
1437	.211E-03
850	.545E-04
1900	.335E-03
2026	.368E-03
1847	.321E-03
913	.713E-04
1973	.354E-03
1973	.354E-03
1880	.329E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.53E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2265	.107E-03
1102	.351E-04
2011	.914E-04
2977	.151E-03
2693	.134E-03
2022	.921E-04
721	.116E-04
2106	.973E-04
2893	.146E-03
2655	.131E-03
1133	.371E-04
2306	.110E-03
2306	.110E-03
2707	.134E-03

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.687E-03
.370E-03
.728E-03
.799E-03
.560E-03
.347E-03
.128E-03
.817E-03
.777E-03
.569E-03
.108E-03
.822E-03
.704E-03
.585E-03

RUN # 53

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.99 M/S	10.06 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.13E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	1466	.397E-04
16	1512	.542E-04
17	1542	.637E-04
18	1641	.949E-04
19	1504	.517E-04
20	1393	.167E-04
22	1447	.337E-04
24	2031	.218E-03
25	1935	.188E-03
26	1574	.737E-04
28	1374	.107E-04
38	1697	.113E-03
39	1675	.106E-03
40	1540	.630E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.99 M/S	10.06 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.94E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1261	.854E-04
1146	.552E-04
1172	.620E-04
1337	.105E-03
1326	.102E-03
1162	.594E-04
1052	.305E-04
1291	.933E-04
1312	.988E-04
1325	.102E-03
1119	.481E-04
1261	.854E-04
1336	.105E-03
1359	.111E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.99 M/S	10.06 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.77E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1352	.354E-04
995	.136E-04
1108	.205E-04
1489	.437E-04
1754	.599E-04
1395	.380E-04
906	.822E-05
1160	.237E-04
1472	.427E-04
1976	.734E-04
1327	.339E-04
1211	.268E-04
1539	.468E-04
1796	.624E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.160E-03
.123E-03
.146E-03
.244E-03
.214E-03
.114E-03
.724E-04
.335E-03
.329E-03
.249E-03
.926E-04
.225E-03
.257E-03
.237E-03

RUN # 54

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	2.31 M/S	23.47 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.16E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	6517	.158E-02
16	5577	.128E-02
17	6413	.155E-02
18	5793	.135E-02
19	4423	.909E-03
20	3296	.548E-03
22	2412	.265E-03
24	4832	.104E-02
25	4229	.847E-03
26	3300	.550E-03
28	1998	.133E-03
38	5823	.136E-02
39	5079	.112E-02
40	4001	.774E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	2.31 M/S	23.47 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03M3/S	.29E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.13E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	9907	.231E-02
16	6163	.131E-02
17	7869	.176E-02
18	7867	.176E-02
19	6147	.130E-02
20	4446	.848E-03
22	2170	.241E-03
24	5787	.121E-02
25	5292	.107E-02
26	4114	.759E-03
28	2114	.226E-03
38	7163	.157E-02
39	6651	.144E-02
40	5302	.108E-02

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	2.31 M/S	23.47 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	9540	.522E-03
16	4849	.232E-03
17	6826	.342E-03
18	7599	.402E-03
19	6684	.346E-03
20	5197	.254E-03
22	1679	.362E-04
24	5017	.243E-03
25	5138	.250E-03
26	4327	.200E-03
28	2241	.710E-04
38	6190	.315E-03
39	6471	.333E-03
40	5725	.287E-03

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
11	.441E-02
16	.282E-02
17	.365E-02
18	.351E-02
19	.256E-02
20	.165E-02
22	.542E-03
24	.249E-02
25	.217E-02
26	.151E-02
28	.430E-03
38	.325E-02
39	.289E-02
40	.214E-02

RUN # 55

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	2.31 M/S	23.47 M/S
EXIT VEL.	1.10 M/S	11.22 M/S
VOL. FLOW	.13E-03 M ³ /S	.12E+03 M ³ /S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.18E+04	
CALIBRATION FACTOR	.42E-02	
SO ₂ FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	7877	.210E-02
16	4578	.962E-03
17	5180	.117E-02
18	5288	.121E-02
19	4475	.926E-03
20	3473	.579E-03
22	2222	.145E-03
24	3663	.645E-03
25	3621	.630E-03
26	3133	.461E-03
28	2432	.218E-03
38	4679	.997E-03
39	4458	.920E-03
40	3943	.742E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	2.31 M/S	23.47 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03 M ³ /S	.12E+03 M ³ /S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.16E+04	
CALIBRATION FACTOR	.22E-02	
SO ₂ FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
9010		.177E-02
4435		.680E-03
5415		.914E-03
5916		.103E-02
5329		.894E-03
4351		.660E-03
2009		.102E-03
3757		.519E-03
3938		.562E-03
3535		.466E-03
2281		.167E-03
4856		.781E-03
4967		.807E-03
4633		.728E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	2.31 M/S	23.47 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03 M ³ /S	.12E+03 M ³ /S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.14E+04	
CALIBRATION FACTOR	.15E-02	
SO ₂ FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
6950		.199E-03
3340		.704E-04
4307		.105E-03
5076		.132E-03
4884		.125E-03
4165		.998E-04
1675		.110E-04
3207		.656E-04
3493		.758E-04
3289		.686E-04
2127		.271E-04
3999		.939E-04
4377		.107E-03
4292		.104E-03

PREDICTED TOTAL PROTOTYPE SO₂ CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.408E-02
.171E-02
.219E-02
.237E-02
.195E-02
.134E-02
.258E-03
.123E-02
.127E-02
.995E-03
.412E-03
.187E-02
.183E-02
.157E-02

RUN # 56 STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	1.10 M/S	11.22 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.18E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	7398	.195E-02
16	4781	.104E-02
17	5449	.127E-02
18	5392	.125E-02
19	4318	.885E-03
20	3254	.518E-03
22	2354	.208E-03
24	4001	.775E-03
25	3773	.697E-03
26	3162	.486E-03
28	1959	.720E-04
38	4793	.105E-02
39	4616	.987E-03
40	3859	.726E-03

STACK #2

MODEL	PROTOTYPE
1.65 M/S	16.76 M/S
.96 M/S	9.67 M/S
.13E-03M3/S	.12E+03M3/S
.31E+05	.10E+01
.15E+04	
.22E-02	
.4000E+03 (GM/SEC)	
25.40 CM	76.20 M
1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
10508	.213E-02
4782	.777E-03
6288	.113E-02
6784	.125E-02
5808	.102E-02
4662	.748E-03
2123	.147E-03
4389	.684E-03
4438	.695E-03
3866	.560E-03
2110	.143E-03
5427	.930E-03
5519	.952E-03
4940	.814E-03

STACK #3

MODEL	PROTOTYPE
1.65 M/S	16.76 M/S
.95 M/S	9.58 M/S
.13E-03M3/S	.12E+03M3/S
.20E+05	.10E+01
.13E+04	
.15E-02	
.5500E+02 (GM/SEC)	
25.40 CM	76.20 M
1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
8786	.267E-03
3900	.934E-04
5368	.145E-03
6237	.176E-03
5917	.165E-03
4948	.131E-03
1745	.170E-04
3937	.947E-04
4303	.108E-03
3807	.901E-04
2129	.306E-04
4723	.123E-03
5293	.143E-03
4953	.131E-03

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.435E-02
.191E-02
.255E-02
.268E-02
.207E-02
.140E-02
.372E-03
.155E-02
.150E-02
.114E-02
.246E-03
.210E-02
.208E-02
.167E-02

RUN # 57

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	1.10 M/S	11.22 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.17E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	3961	.778E-03
16	3108	.487E-03
17	3631	.665E-03
18	3946	.773E-03
19	2957	.436E-03
20	2245	.193E-03
22	1966	.984E-04
24	3217	.524E-03
25	3240	.532E-03
26	2486	.275E-03
28	1818	.480E-04
38	3598	.654E-03
39	3713	.693E-03
40	2781	.376E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.14E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
6377	.116E-02
3335	.448E-03
4452	.710E-03
5227	.892E-03
4171	.644E-03
2954	.359E-03
1742	.750E-04
3671	.527E-03
3995	.603E-03
3054	.382E-03
1871	.105E-03
4444	.708E-03
4840	.801E-03
3780	.553E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
6675	.191E-03
2781	.542E-04
4396	.111E-03
5683	.158E-03
5052	.134E-03
3774	.890E-04
1468	.820E-05
3404	.761E-04
4241	.105E-03
3520	.801E-04
1986	.264E-04
4404	.111E-03
5025	.133E-03
4337	.109E-03

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.213E-02
.990E-03
.149E-02
.182E-02
.121E-02
.641E-03
.182E-03
.113E-02
.124E-02
.738E-03
.180E-03
.147E-02
.163E-02
.104E-02

RUN # 58

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.99 M/S	10.06 M/S
EXIT VEL.	1.10 M/S	11.22 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.16E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	2281	.216E-03
16	1939	.100E-03
17	2277	.215E-03
18	2235	.200E-03
19	2003	.122E-03
20	1727	.281E-04
22	1760	.393E-04
24	2318	.228E-03
25	2338	.235E-03
26	1945	.102E-03
28	1651	.237E-05
38	2434	.268E-03
39	2304	.224E-03
40	2041	.135E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.99 M/S	10.06 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.14E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2772	.325E-03
1737	.835E-04
2078	.163E-03
2353	.227E-03
2292	.213E-03
1832	.106E-03
1431	.121E-04
1974	.139E-03
2220	.196E-03
2119	.173E-03
1591	.495E-04
2224	.197E-03
2317	.219E-03
2355	.228E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.99 M/S	10.06 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
3278	.734E-04
1557	.133E-04
2160	.344E-04
2667	.521E-04
2937	.615E-04
2318	.399E-04
1240	.227E-05
1734	.195E-04
2313	.397E-04
2616	.503E-04
1667	.172E-04
2219	.364E-04
2584	.492E-04
2843	.582E-04

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.614E-03
.197E-03
.412E-03
.480E-03
.396E-03
.174E-03
.537E-04
.387E-03
.471E-03
.325E-03
.690E-04
.501E-03
.492E-03
.420E-03

RUN # 59

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.77 M/S	10.06 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E+03 M3/S	.25E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.16E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	1606	*****
16	1644	.327E-05
17	1639	.264E-05
18	1626	.100E-05
19	1605	*****
20	1587	*****
22	1699	.102E-04
24	1900	.354E-04
25	1700	.103E-04
26	1635	.213E-05
28	1590	*****
38	1721	.129E-04
39	1673	.691E-05
40	1641	.289E-05

STACK #2

	MODEL	PROTOTYPE
	.77 M/S	10.06 M/S
	2.05 M/S	20.83 M/S
	.29E-03 M3/S	.26E+03 M3/S
	.31E+05	.10E+01
	.14E+04	
	.22E-02	
	.4000E+03 (GM/SEC)	
	25.40 CM	76.20 M
	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1458	.729E-05
1414	.356E-05
1424	.441E-05
1482	.932E-05
1485	.958E-05
1425	.449E-05
1397	.212E-05
1499	.108E-04
1497	.106E-04
1519	.125E-04
1411	.330E-05
1474	.864E-05
1540	.142E-04
1565	.164E-04

STACK #3

	MODEL	PROTOTYPE
	.77 M/S	10.06 M/S
	2.00 M/S	20.38 M/S
	.27E-03 M3/S	.25E+03 M3/S
	.20E+05	.10E+01
	.12E+04	
	.15E-02	
	.5500E+02 (GM/SEC)	
	25.40 CM	76.20 M
	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1514	.429E-05
1261	.103E-05
1360	.231E-05
1557	.485E-05
1755	.740E-05
1536	.458E-05
1209	.361E-06
1375	.250E-05
1742	.723E-05
1979	.103E-04
1477	.381E-05
1418	.305E-05
1742	.723E-05
1942	.981E-05

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.116E-04
.788E-05
.935E-05
.152E-04
.170E-04
.907E-05
.127E-04
.487E-04
.281E-04
.249E-04
.712E-05
.246E-04
.284E-04
.291E-04

RUN # 60

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.77 M/S	10.06 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.19E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	1853	*****
16	1860	*****
17	1862	*****
18	1862	*****
19	1851	*****
20	1856	*****
22	1882	*****
24	1935	.917E-05
25	1889	*****
26	1859	*****
28	1844	*****
38	1866	*****
39	1849	*****
40	1851	*****

STACK #2

	MODEL	PROTOTYPE
	.77 M/S	10.06 M/S
	2.05 M/S	20.83 M/S
	.29E-03M3/S	.26E+03M3/S
	.31E+05	.10E+01
	.17E+04	
	.22E-02	
	.1050E+04 (GM/SEC)	
	30.48 CM	91.44 M
	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1743	*****
1737	*****
1740	*****
1754	.180E-05
1734	*****
1734	*****
1731	*****
1757	.247E-05
1745	*****
1753	.157E-05
1728	*****
1748	.450E-06
1733	*****
1736	*****

STACK #3

	MODEL	PROTOTYPE
	.77 M/S	10.06 M/S
	2.00 M/S	20.38 M/S
	.27E-03M3/S	.25E+03M3/S
	.20E+05	.10E+01
	.15E+04	
	.15E-02	
	.2200E+03 (GM/SEC)	
	30.48 CM	91.44 M
	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1560	.354E-05
1530	.198E-05
1556	.334E-05
1593	.526E-05
1590	.511E-05
1575	.433E-05
1525	.172E-05
1559	.349E-05
1649	.818E-05
1769	.144E-04
1637	.756E-05
1567	.391E-05
1617	.651E-05
1635	.745E-05

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.354E-05
.198E-05
.334E-05
.706E-05
.511E-05
.433E-05
.172E-05
.151E-04
.818E-05
.160E-04
.756E-05
.436E-05
.651E-05
.745E-05

RUN # 61

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.03 M/S	13.41 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03 M3/S	.25E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	1232	.215E-04
16	1286	.362E-04
17	1335	.496E-04
18	1278	.340E-04
19	1214	.166E-04
20	1177	.653E-05
22	1279	.343E-04
24	1432	.760E-04
25	1386	.634E-04
26	1227	.201E-04
28	1168	.408E-05
33	1326	.471E-04
39	1305	.414E-04
40	1198	.123E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.03 M/S	13.41 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03 M3/S	.26E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.43E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
861	.978E-04
616	.422E-04
779	.792E-04
750	.726E-04
684	.576E-04
608	.404E-04
582	.345E-04
763	.756E-04
805	.851E-04
744	.713E-04
577	.334E-04
733	.688E-04
704	.622E-04
642	.481E-04

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.03 M/S	13.41 M/S
EXIT VEL.	2.00 M/S	20.39 M/S
VOL. FLOW	.27E-03 M3/S	.25E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.34E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
844	.268E-04
541	.108E-04
870	.281E-04
1015	.358E-04
878	.286E-04
693	.188E-04
482	.773E-05
848	.270E-04
1241	.477E-04
1278	.496E-04
685	.184E-04
910	.302E-04
977	.338E-04
910	.302E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.146E-03
.893E-04
.157E-03
.142E-03
.103E-03
.658E-04
.765E-04
.179E-03
.141E-03
.559E-04
.146E-03
.137E-03
.906E-04

RUN # 62R

	STACK #1	MODEL	PROTOTYPE
STACK HT. VEL.	1.03 M/S	13.41 M/S	
EXIT VEL.	2.33 M/S	23.60 M/S	
VOL. FLOW	.27E-03M3/S	.25E+03M3/S	
SOURCE STRENGTH	.41E+05	.10E+01	
BACKGROUND	.15E+04		
CALIBRATION FACTOR	.41E-02		
SO2 FLUX	.8500E+03 (GM/SEC)		
STACK HEIGHT	30.48 CM	91.44 M	
STACK DIAMETER	1.22 CM	3.66 M	

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	1547	.452E-05
16	1559	.770E-05
17	1605	.199E-04
18	1577	.125E-04
19	1533	.797E-06
20	1517	*****
22	1570	.106E-04
24	1709	.475E-04
25	1654	.329E-04
26	1463	*****
28	1523	*****
38	1635	.279E-04
39	1605	.199E-04
40	1524	*****

STACK #2

MODEL	PROTOTYPE
1.03 M/S	13.41 M/S
2.05 M/S	20.83 M/S
.29E-03M3/S	.26E+03M3/S
.31E+05	.10E+01
.11E+04	
.22E-02	
.1050E+04 (GM/SEC)	
30.48 CM	91.44 M
1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1183	.261E-04
1149	.186E-04
1214	.330E-04
1246	.401E-04
1167	.226E-04
1123	.128E-04
1111	.102E-04
1219	.341E-04
1270	.454E-04
1230	.365E-04
1144	.175E-04
1225	.354E-04
1232	.370E-04
1161	.213E-04

STACK #3

MODEL	PROTOTYPE
1.03 M/S	13.41 M/S
2.00 M/S	20.38 M/S
.27E-03M3/S	.25E+03M3/S
.20E+05	.10E+01
.87E+03	
.15E-02	
.2200E+03 (GM/SEC)	
30.48 CM	91.44 M
1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
997	.672E-05
976	.564E-05
1037	.877E-05
1138	.140E-04
1119	.130E-04
1065	.102E-04
927	.313E-05
1062	.101E-04
1382	.265E-04
1560	.356E-04
1167	.154E-04
1074	.107E-04
1159	.150E-04
1206	.174E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.374E-04
.319E-04
.617E-04
.665E-04
.364E-04
.231E-04
.239E-04
.917E-04
.105E-05
.721E-04
.329E-04
.740E-04
.719E-04
.387E-04

RUN # 63

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.18E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	2244	.123E-03
16	2164	.102E-03
17	2421	.171E-03
18	2299	.138E-03
19	1934	.391E-04
20	1822	.869E-05
22	1915	.339E-04
24	2486	.189E-03
25	2286	.135E-03
26	1969	.486E-04
28	1739	*****
38	2460	.182E-03
39	2255	.126E-03
40	1935	.394E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03M3/S	.26E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.13E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2142	.181E-03
1711	.833E-04
2151	.183E-03
2278	.212E-03
2056	.161E-03
1706	.822E-04
1398	.124E-04
2064	.163E-03
2326	.222E-03
2027	.155E-03
1475	.299E-04
2158	.184E-03
2247	.205E-03
1991	.147E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2101	.523E-04
1486	.201E-04
2199	.575E-04
2694	.835E-04
2774	.877E-04
2281	.618E-04
1188	.446E-05
2047	.495E-04
2918	.952E-04
2774	.877E-04
1655	.290E-04
2290	.623E-04
2695	.835E-04
2702	.839E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.356E-03
.205E-03
.412E-03
.433E-03
.288E-03
.153E-03
.508E-04
.402E-03
.452E-03
.291E-03
.588E-03
.429E-03
.414E-03
.270E-03

RUN # 64			STACK #1		STACK #2		STACK #3		PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:	
	MODEL	PROTOTYPE	MODEL	PROTOTYPE	MODEL	PROTOTYPE	MODEL	PROTOTYPE		
STACK HT. VEL.	1.26 M/S	16.76 M/S	1.26 M/S	16.76 M/S	1.26 M/S	16.76 M/S	1.26 M/S	16.76 M/S		
EXIT VEL.	2.33 M/S	23.60 M/S	2.05 M/S	20.83 M/S	2.00 M/S	20.38 M/S	2.00 M/S	20.38 M/S		
VOL. FLOW	.27E-03M3/S	.25E+03M3/S	.29E-03M3/S	.26E+03M3/S	.27E-03M3/S	.25E+03M3/S	.27E-03M3/S	.25E+03M3/S		
SOURCE STRENGTH	.41E+05	.10E+01	.31E+05	.10E+01	.20E+05	.10E+01	.20E+05	.10E+01		
BACKGROUND	.15E+04		.93E+03		.75E+03		.75E+03			
CALIBRATION FACTOR	.41E-02		.22E-02		.15E-02		.15E-02			
SO2 FLUX	.8500E+03 (GM/SEC)		.1050E+04 (GM/SEC)		.2200E+03 (GM/SEC)		.2200E+03 (GM/SEC)			
STACK HEIGHT	30.48 CM	91.44 M	30.48 CM	91.44 M	30.48 CM	91.44 M	30.48 CM	91.44 M		
STACK DIAMETER	1.22 CM	3.66 M	1.34 CM	4.02 M	1.32 CM	3.96 M	1.32 CM	3.96 M		
SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)	
11	1599	.156E-04	1193	.592E-04	993	.126E-04			.874E-04	
16	1565	.646E-05	1090	.361E-04	883	.686E-05			.494E-04	
17	1633	.248E-04	1217	.646E-04	1016	.138E-04			.103E-03	
18	1589	.129E-04	1181	.565E-04	1029	.144E-04			.839E-04	
19	1580	.105E-04	1147	.489E-04	1003	.131E-04			.725E-04	
20	1575	.915E-05	1129	.449E-04	957	.107E-04			.647E-04	
22	1626	.229E-04	1150	.496E-04	924	.899E-05			.814E-04	
24	1698	.422E-04	1208	.626E-04	1022	.141E-04			.119E-03	
25	1675	.361E-04	1238	.693E-04	1154	.209E-04			.126E-03	
26	1618	.207E-04	1231	.677E-04	1192	.229E-04			.111E-03	
28	1576	.942E-05	1134	.460E-04	999	.129E-04			.683E-04	
38	1649	.291E-04	1191	.588E-04	1012	.136E-04			.101E-03	
39	1600	.159E-04	1165	.529E-04	1039	.150E-04			.838E-04	
40	1561	.538E-05	1119	.426E-04	1008	.134E-04			.613E-04	

RUN # 65			STACK #1			STACK #2			STACK #3		
	MODEL	PROTOTYPE		MODEL	PROTOTYPE		MODEL	PROTOTYPE		MODEL	PROTOTYPE
STACK HT. VEL.	1.80 M/S	23.47 M/S		1.80 M/S	23.47 M/S		1.80 M/S	23.47 M/S		1.80 M/S	23.47 M/S
EXIT VEL.	2.33 M/S	23.60 M/S		2.05 M/S	20.83 M/S		2.00 M/S	20.38 M/S		2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03 M3/S	.25E+03 M3/S		.29E-03 M3/S	.26E+03 M3/S		.27E-03 M3/S	.25E+03 M3/S		.27E-03 M3/S	.25E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01		.31E+05	.10E+01		.20E+05	.10E+01		.20E+05	.10E+01
BACKGROUND	.19E+04			.14E+04			.13E+04			.13E+04	
CALIBRATION FACTOR	.41E-02			.22E-02			.15E-02			.15E-02	
SO2 FLUX	.8500E+03 (GM/SEC)			.1050E+04 (GM/SEC)			.2200E+03 (GM/SEC)			.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M		25.40 CM	76.20 M		25.40 CM	76.20 M		25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M		1.34 CM	4.02 M		1.32 CM	3.96 M		1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
11	3861	.518E-03	6376	.112E-02	6745	.283E-03	.192E-02
16	3764	.492E-03	4107	.615E-03	3476	.114E-03	.122E-02
17	4615	.720E-03	5965	.103E-02	6089	.249E-03	.200E-02
18	4333	.645E-03	6010	.104E-02	6395	.296E-03	.198E-02
19	3553	.436E-03	5068	.830E-03	6384	.266E-03	.153E-02
20	2658	.196E-03	3647	.512E-03	4865	.186E-03	.894E-03
22	2452	.140E-03	2048	.155E-03	1623	.179E-04	.313E-03
24	4182	.604E-03	4869	.786E-03	4644	.174E-03	.156E-02
25	4032	.564E-03	5124	.843E-03	5504	.219E-03	.163E-02
26	3198	.340E-03	4049	.602E-03	4661	.175E-03	.112E-02
28	2130	.539E-04	2115	.170E-03	2406	.585E-04	.282E-03
38	4516	.694E-03	5626	.955E-03	5628	.225E-03	.187E-02
39	4136	.592E-03	5566	.941E-03	6302	.260E-03	.179E-02
40	3332	.376E-03	4561	.717E-03	5552	.221E-03	.131E-02

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

RUN # 66

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.80 M/S	23.47 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.20E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	2700	.197E-03
16	3299	.358E-03
17	3796	.491E-03
18	3623	.445E-03
19	3081	.300E-03
20	2482	.139E-03
22	2417	.121E-03
24	4029	.554E-03
25	3752	.482E-03
26	3125	.311E-03
28	2057	.249E-04
30	4034	.555E-03
39	3667	.457E-03
40	3104	.306E-03

STACK #2

MODEL	PROTOTYPE
1.80 M/S	23.47 M/S
2.05 M/S	20.83 M/S
.29E-03M3/S	.26E+03M3/S
.31E+05	.10E+01
.15E+04	
.22E-02	
.1050E+04 (GM/SEC)	
25.40 CM	76.20 M
1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
3141	.360E-03
3238	.382E-03
3897	.529E-03
4304	.620E-03
3627	.469E-03
2737	.270E-03
1923	.879E-04
4015	.556E-03
4179	.592E-03
3627	.469E-03
1837	.686E-04
4104	.575E-03
4235	.605E-03
3650	.474E-03

STACK #3

MODEL	PROTOTYPE
1.80 M/S	23.47 M/S
2.00 M/S	20.38 M/S
.27E-03M3/S	.25E+03M3/S
.20E+05	.10E+01
.13E+04	
.15E-02	
.2200E+03 (GM/SEC)	
25.40 CM	76.20 M
1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2855	.809E-04
2549	.651E-04
3381	.108E-03
3940	.137E-03
3816	.131E-03
3091	.931E-04
1567	.142E-04
3509	.115E-03
4136	.147E-03
3864	.133E-03
1966	.349E-04
3587	.119E-03
3588	.140E-03
3910	.136E-03

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.638E-03
.805E-03
.113E-02
.120E-02
.899E-03
.502E-03
.224E-03
.122E-02
.122E-02
.913E-03
.128E-03
.125E-02
.120E-02
.915E-03

RUN # 67

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.21E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	2145	.773E-05
16	2244	.341E-04
17	2278	.432E-04
18	2194	.208E-04
19	2141	.666E-05
20	2088	*****
22	2153	.986E-05
24	2478	.965E-04
25	2378	.698E-04
26	2182	.176E-04
28	2074	*****
38	2375	.690E-04
39	2291	.466E-04
40	2163	.125E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03M3/S	.26E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.17E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2021	.682E-04
1982	.595E-04
2094	.844E-04
2092	.840E-04
2016	.671E-04
1859	.322E-04
1742	.622E-05
2173	.102E-03
2263	.122E-03
2091	.838E-04
1749	.778E-05
2151	.971E-04
2233	.115E-03
2046	.738E-04

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.15E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1831	.181E-04
1858	.195E-04
2034	.286E-04
2148	.344E-04
2127	.334E-04
1965	.250E-04
1530	.263E-05
2216	.379E-04
2514	.333E-04
2472	.511E-04
1740	.134E-04
2152	.347E-04
2384	.466E-04
2296	.421E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.941E-04
.113E-03
.156E-03
.139E-03
.107E-03
.572E-04
.187E-04
.236E-03
.245E-03
.152E-03
.212E-04
.201E-03
.209E-03
.128E-03

RUN # 68

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03 M ³ /S	.25E+03 M ³ /S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.23E+04	
CALIBRATION FACTOR	.41E-02	
SO ₂ FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	2344	.215E-04
16	2380	.310E-04
17	2540	.735E-04
18	2450	.496E-04
19	2320	.151E-04
20	2255	*****
22	2363	.265E-04
24	2673	.109E-03
25	2610	.921E-04
26	2363	.265E-04
28	2549	*****
38	2599	.891E-04
39	2474	.560E-04
40	2305	.111E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03 M ³ /S	.26E+03 M ³ /S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.19E+04	
CALIBRATION FACTOR	.22E-02	
SO ₂ FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2294	.809E-04
2128	.442E-04
2406	.106E-03
2435	.112E-03
2217	.639E-04
2057	.285E-04
1994	.146E-04
2430	.111E-03
2608	.150E-03
2359	.953E-04
2022	.208E-04
2436	.112E-03
2429	.111E-03
2186	.571E-04

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03 M ³ /S	.25E+03 M ³ /S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.17E+04	
CALIBRATION FACTOR	.15E-02	
SO ₂ FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2042	.187E-04
1909	.119E-04
2181	.258E-04
2425	.383E-04
2381	.361E-04
2148	.241E-04
1758	.415E-05
2320	.330E-04
2808	.580E-04
2841	.597E-04
2097	.215E-04
2285	.312E-04
2516	.430E-04
2482	.413E-04

PREDICTED TOTAL PROTOTYPE
SO₂ CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.121E-03
.872E-04
.205E-03
.200E-03
.115E-03
.527E-04
.453E-04
.253E-03
.300E-03
.181E-03
.423E-04
.233E-03
.210E-03
.109E-03

RUN # 69

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.24E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	2445	.150E-04
16	2540	.403E-04
17	2605	.577E-04
18	2561	.460E-04
19	2428	.104E-04
20	2372	*****
22	2451	.166E-04
24	2723	.892E-04
25	2701	.834E-04
26	2499	.294E-04
28	2350	*****
38	2674	.761E-04
39	2570	.484E-04
40	2451	.166E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03M3/S	.26E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.21E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2190	.189E-04
2224	.265E-04
2292	.416E-04
2274	.376E-04
2188	.185E-04
2140	.779E-05
2144	.869E-05
2382	.617E-04
2466	.804E-04
2352	.350E-04
2118	.290E-05
2348	.541E-04
2290	.412E-04
2222	.261E-04

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.18E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1998	.846E-05
1996	.836E-05
2180	.179E-04
2169	.173E-04
2109	.142E-04
1985	.779E-05
1912	.403E-05
2313	.247E-04
2575	.382E-04
2456	.321E-04
1976	.733E-05
2239	.209E-04
2262	.221E-04
2178	.178E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.424E-04
.752E-04
.117E-03
.101E-03
.431E-04
.156E-04
.293E-04
.176E-03
.202E-03
.116E-03
.102E-04
.151E-03
.112E-03
.604E-04

RUN # 70

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.25E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	2506	.408E-05
16	2618	.346E-04
17	2658	.455E-04
18	2648	.427E-04
19	2523	.871E-05
20	2468	*****
22	2490	*****
24	2727	.642E-04
25	2676	.504E-04
26	2610	.324E-04
28	2443	*****
38	2677	.506E-04
39	2634	.389E-04
40	2550	.161E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03M3/S	.26E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.22E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
2301		.120E-04
2369		.275E-04
2435		.424E-04
2438		.431E-04
2322		.168E-04
2280		.726E-05
2263		.340E-05
2542		.667E-04
2570		.731E-04
2516		.608E-04
2267		.431E-05
2450		.458E-04
2460		.481E-04
2386		.313E-04

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.19E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
2066		.631E-05
2117		.899E-05
2269		.170E-04
2268		.169E-04
2151		.108E-04
2089		.752E-05
2001		.289E-05
2356		.216E-04
2561		.323E-04
2498		.290E-04
2099		.804E-05
2266		.168E-04
2368		.222E-04
2278		.175E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.224E-04
.710E-04
.105E-03
.103E-03
.363E-04
.148E-04
.629E-05
.152E-03
.156E-03
.122E-03
.124E-04
.113E-03
.109E-03
.648E-04

RUN # 71

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.26E+04	
CALIBRATION FACTOR	.41E-02	
S02 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	2611	*****
16	2648	.350E-05
17	2670	.942E-05
18	2659	.646E-05
19	2623	*****
20	2608	*****
22	2623	*****
24	2737	.274E-04
25	2708	.196E-04
26	2669	.915E-05
28	2590	*****
38	2693	.156E-04
39	2664	.780E-05
40	2632	*****

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03M3/S	.26E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.25E+04	
CALIBRATION FACTOR	.22E-02	
S02 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
2483		.381E-05
2531		.146E-04
2553		.195E-04
2537		.159E-04
2488		.493E-05
2476		.224E-05
2503		.830E-05
2649		.410E-04
2612		.327E-04
2565		.222E-04
2454		*****
2583		.262E-04
2529		.141E-04
2496		.673E-05

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.22E+04	
CALIBRATION FACTOR	.15E-02	
S02 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
2225		.291E-05
2260		.473E-05
2279		.572E-05
2276		.556E-05
2238		.359E-05
2217		.249E-05
2230		.317E-05
2381		.110E-04
2361		.998E-05
2309		.728E-05
2203		.177E-05
2321		.790E-05
2285		.603E-05
2252		.431E-05

PREDICTED TOTAL PROTOTYPE
S02 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.672E-05
.228E-04
.346E-04
.279E-04
.852E-05
.474E-05
.115E-04
.795E-04
.624E-04
.386E-04
.177E-05
.497E-04
.280E-04
.110E-04

RUN # 72			STACK #1			STACK #2			STACK #3			PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:	
	MODEL	PROTOTYPE		MODEL	PROTOTYPE		MODEL	PROTOTYPE		MODEL	PROTOTYPE		
STACK HT. VEL.	1.29 M/S	16.76 M/S		1.29 M/S	16.76 M/S		1.29 M/S	16.76 M/S		1.29 M/S	16.76 M/S		
EXIT VEL.	2.33 M/S	23.60 M/S		2.05 M/S	20.83 M/S		2.00 M/S	20.38 M/S		2.00 M/S	20.38 M/S		
VOL. FLOW	.27E-03M3/S	.25E+03M3/S		.29E-03M3/S	.26E+03M3/S		.27E-03M3/S	.25E+03M3/S		.27E-03M3/S	.25E+03M3/S		
SOURCE STRENGTH	.41E+05	.10E+01		.31E+05	.10E+01		.20E+05	.10E+01		.20E+05	.10E+01		
BACKGROUND	.28E+04			.27E+04			.23E+04			.23E+04			
CALIBRATION FACTOR	.41E-02			.22E-02			.15E-02			.15E-02			
SO2 FLUX	.8500E+03 (GM/SEC)			.1050E+04 (GM/SEC)			.2200E+03 (GM/SEC)			.2200E+03 (GM/SEC)			
STACK HEIGHT	25.40 CM	76.20 M		25.40 CM	76.20 M		25.40 CM	76.20 M		25.40 CM	76.20 M		
STACK DIAMETER	1.22 CM	3.66 M		1.34 CM	4.02 M		1.32 CM	3.96 M		1.32 CM	3.96 M		
SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)		RAW (AREA)	CONCENTRATION (GM/M**3)		RAW (AREA)	CONCENTRATION (GM/M**3)					TOTAL CONCENTRATION (GM/M**3)
11	2807	.125E-04		2745	.190E-04		2458	.640E-05					.379E-04
16	2829	.185E-04		2792	.297E-04		2501	.866E-05					.568E-04
17	2864	.280E-04		2846	.419E-04		2566	.121E-04					.819E-04
18	2889	.348E-04		2864	.459E-04		2573	.124E-04					.931E-04
19	2812	.138E-04		2759	.222E-04		2490	.808E-05					.441E-04
20	2785	.652E-05		2723	.140E-04		2458	.640E-05					.269E-04
22	2793	.869E-05		2744	.188E-04		2459	.645E-05					.339E-04
24	2973	.576E-04		3012	.794E-04		2678	.179E-04					.155E-03
25	3030	.730E-04		3081	.951E-04		2786	.236E-04					.192E-03
26	2906	.394E-04		2893	.525E-04		2611	.144E-04					.106E-03
28	2778	.462E-05		2721	.136E-04		2457	.635E-05					.245E-04
38	2918	.426E-04		2945	.643E-04		2609	.143E-04					.121E-03
39	2902	.383E-04		2877	.489E-04		2596	.136E-04					.101E-03
40	2858	.263E-04		2814	.346E-04		2528	.101E-04					.710E-04

RUN # 73

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03 M3/S	.25E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.29E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	3064	.485E-04
16	3132	.668E-04
17	3171	.772E-04
18	3079	.525E-04
19	2957	.198E-04
20	2903	.536E-05
22	2936	.142E-04
24	2226	*****
25	3236	.946E-04
26	3080	.528E-04
28	2878	*****
38	3219	.901E-04
39	3054	.458E-04
40	2958	.201E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03 M3/S	.26E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.28E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2987	.425E-04
3166	.825E-04
3044	.552E-04
3022	.503E-04
2936	.311E-04
2903	.237E-04
2907	.246E-04
3199	.898E-04
3277	.107E-03
3220	.945E-04
2910	.253E-04
3089	.653E-04
2982	.413E-04
2960	.364E-04

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03 M3/S	.25E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.24E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2667	.138E-04
2668	.139E-04
2773	.193E-04
2803	.209E-04
2697	.154E-04
2695	.153E-04
2591	.989E-05
2930	.274E-04
3163	.395E-04
3175	.401E-04
2720	.166E-04
2848	.232E-04
2795	.205E-04
2768	.191E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.105E-03
.163E-03
.152E-03
.124E-03
.663E-04
.443E-04
.487E-04
.117E-03
.241E-03
.187E-03
.418E-04
.179E-03
.108E-03
.756E-04

RUN # 74

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.13E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	1647	.108E-03
16	1892	.174E-03
17	2124	.238E-03
18	1804	.150E-03
19	1381	.354E-04
20	1160	*****
22	1299	.131E-04
24	2095	.230E-03
25	1767	.140E-03
26	1374	.335E-04
28	1091	*****
38	2055	.219E-03
39	1793	.147E-03
40	1384	.362E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03M3/S	.26E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.86E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1245	.873E-04
1054	.440E-04
1260	.907E-04
1283	.960E-04
1023	.370E-04
687	*****
656	*****
1534	.153E-03
1431	.130E-03
1091	.524E-04
601	*****
1326	.106E-03
1369	.115E-03
1051	.433E-04

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.74E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1180	.232E-04
917	.936E-05
1364	.329E-04
1877	.598E-04
1556	.429E-04
1111	.196E-04
645	*****
1813	.565E-04
2251	.795E-04
1809	.562E-04
829	.473E-05
1706	.508E-04
2101	.716E-04
1839	.578E-04

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.218E-03
.228E-03
.361E-03
.306E-03
.115E-03
.196E-04
.131E-04
.439E-03
.349E-03
.142E-03
.473E-05
.375E-03
.335E-03
.137E-03

RUN # 75

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.13E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	1838	.136E-03
16	1883	.148E-03
17	2071	.199E-03
18	2061	.196E-03
19	1629	.786E-04
20	1403	.171E-04
22	1547	.563E-04
24	2384	.284E-03
25	2106	.208E-03
26	1667	.890E-04
28	1303	*****
38	2229	.242E-03
39	2069	.198E-03
40	1612	.740E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03M3/S	.26E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.81E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2162	.307E-03
1412	.137E-03
1886	.245E-03
2372	.355E-03
1896	.247E-03
1365	.126E-03
929	.274E-04
2036	.279E-03
2366	.353E-03
1891	.246E-03
1028	.499E-04
2061	.284E-03
2357	.351E-03
1800	.225E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.82E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2400	.833E-04
1168	.186E-04
1929	.586E-04
2865	.108E-03
2746	.102E-03
2126	.689E-04
856	.216E-05
2009	.628E-04
3045	.117E-03
2927	.111E-03
1401	.308E-04
2102	.677E-04
2947	.112E-03
2721	.100E-03

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.526E-03
.303E-03
.502E-03
.659E-03
.427E-03
.212E-03
.859E-04
.625E-03
.679E-03
.446E-03
.807E-04
.594E-03
.662E-03
.399E-03

RUN # 76

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.17E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	2164	.122E-03
16	2218	.137E-03
17	2535	.223E-03
18	2402	.187E-03
19	2111	.108E-03
20	1894	.487E-04
22	1843	.348E-04
24	2589	.238E-03
25	2463	.204E-03
26	2153	.119E-03
28	1737	.599E-05
38	2576	.234E-03
39	2354	.174E-03
40	2035	.871E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03M3/S	.26E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.14E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2686	.286E-03
2028	.137E-03
2631	.274E-03
2806	.313E-03
2470	.237E-03
2069	.146E-03
1560	.306E-04
2573	.260E-03
2875	.329E-03
2478	.239E-03
1647	.504E-04
2631	.274E-03
2677	.284E-03
2326	.204E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.29 M/S	16.76 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.13E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2805	.776E-04
1937	.320E-04
2800	.774E-04
3377	.108E-03
3002	.880E-04
2479	.605E-04
1437	.573E-05
2928	.841E-04
3805	.130E-03
3287	.103E-03
1849	.274E-04
2876	.814E-04
2521	.627E-04
2987	.872E-04

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.486E-03
.306E-03
.574E-03
.608E-03
.433E-03
.255E-03
.712E-04
.582E-03
.663E-03
.461E-03
.837E-04
.589E-03
.521E-03
.379E-03

RUN # 77

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	1.10 M/S	11.22 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.18E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	7325	.190E-02
16	4449	.907E-03
17	5488	.127E-02
18	5708	.134E-02
19	4637	.972E-03
20	3345	.525E-03
22	2179	.122E-03
24	4264	.843E-03
25	4285	.850E-03
26	3351	.527E-03
28	2056	.798E-04
38	5059	.112E-02
39	4995	.110E-02
40	4070	.776E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.16E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
10951	.222E-02
5110	.835E-03
6671	.121E-02
7569	.142E-02
6982	.128E-02
5260	.870E-03
2030	.102E-03
4771	.754E-03
5262	.871E-03
4290	.640E-03
2309	.169E-03
5951	.103E-02
6450	.115E-02
5730	.982E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.15E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
9573	.287E-03
3944	.868E-04
5591	.145E-03
6861	.191E-03
7108	.199E-03
5850	.155E-03
1767	.939E-05
4105	.926E-04
4919	.122E-03
4402	.103E-03
2547	.371E-04
5104	.128E-03
5964	.159E-03
5859	.155E-03

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.441E-02
.183E-02
.262E-02
.295E-02
.245E-02
.155E-02
.234E-03
.169E-02
.184E-02
.127E-02
.286E-03
.228E-02
.241E-02
.191E-02

RUN # 78

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	1.10 M/S	11.22 M/S
VOL. FLOW	.13E-03 M ³ /S	.12E+03 M ³ /S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.15E+04	
CALIBRATION FACTOR	.42E-02	
SO ₂ FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	6728	.180E-02
16	4108	.892E-03
17	5035	.121E-02
18	5211	.127E-02
19	4002	.855E-03
20	2757	.425E-03
22	1906	.131E-03
24	3711	.755E-03
25	3622	.724E-03
26	2877	.466E-03
28	1734	.715E-04
38	4530	.104E-02
39	4506	.103E-02
40	3511	.685E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03 M ³ /S	.12E+03 M ³ /S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.13E+04	
CALIBRATION FACTOR	.22E-02	
SO ₂ FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	8980	.184E-02
16	4141	.685E-03
17	5639	.104E-02
18	6405	.122E-02
19	5328	.967E-03
20	3811	.606E-03
22	1643	.906E-04
24	4019	.656E-03
25	4264	.714E-03
26	3515	.536E-03
28	1782	.124E-03
38	5093	.911E-03
39	5407	.986E-03
40	4533	.778E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03 M ³ /S	.12E+03 M ³ /S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.15E-02	
SO ₂ FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	7228	.214E-03
16	3035	.651E-04
17	4460	.116E-03
18	5773	.163E-03
19	5570	.155E-03
20	4401	.114E-03
22	1413	.743E-05
24	3438	.795E-04
25	4096	.103E-03
26	3682	.881E-04
28	1941	.262E-04
38	4225	.107E-03
39	5068	.137E-03
40	4753	.126E-03

PREDICTED TOTAL PROTOTYPE
SO₂ CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)	
11	.385E-02
16	.164E-02
17	.237E-02
18	.266E-02
19	.198E-02
20	.114E-02
22	.229E-03
24	.149E-02
25	.154E-02
26	.109E-02
28	.221E-03
38	.206E-02
39	.215E-02
40	.159E-02

RUN # 79

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	1.10 M/S	11.22 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.14E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	7108	.197E-02
16	5817	.152E-02
17	5886	.155E-02
18	4739	.115E-02
19	3101	.584E-03
20	2062	.225E-03
22	2498	.376E-03
24	4027	.904E-03
25	3417	.693E-03
26	2558	.396E-03
28	1490	.273E-04
38	5108	.128E-02
39	4052	.912E-03
40	2858	.500E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
8257	.169E-02
6065	.117E-02
6737	.133E-02
5843	.111E-02
3892	.650E-03
2383	.292E-03
2196	.247E-03
4518	.799E-03
4110	.702E-03
3026	.444E-03
1391	.556E-04
5940	.114E-02
5052	.926E-03
3509	.559E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
6702	.199E-03
4457	.119E-03
5643	.161E-03
5616	.160E-03
4123	.107E-03
2769	.587E-04
1745	.223E-04
4046	.104E-03
3979	.102E-03
3199	.740E-04
1499	.136E-04
5167	.144E-03
4964	.137E-03
3730	.929E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.386E-02
.281E-02
.303E-02
.242E-02
.134E-02
.575E-03
.645E-03
.181E-02
.150E-02
.915E-03
.965E-04
.256E-02
.198E-02
.115E-02

RUN # 80

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	1.10 M/S	11.22 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.14E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	5463	.140E-02
16	3950	.873E-03
17	4726	.114E-02
18	4257	.979E-03
19	3018	.551E-03
20	2284	.297E-03
22	1698	.950E-04
24	3539	.731E-03
25	3047	.561E-03
26	2523	.380E-03
28	1581	.546E-04
38	4340	.101E-02
39	3660	.773E-03
40	2782	.470E-03

STACK #2

MODEL	PROTOTYPE
1.65 M/S	16.76 M/S
.96 M/S	9.67 M/S
.13E-03M3/S	.12E+03M3/S
.31E+05	.10E+01
.12E+04	
.22E-02	
.4000E+03 (GM/SEC)	
25.40 CM	76.20 M
1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
5427	.101E-02
3880	.639E-03
4907	.883E-03
4518	.790E-03
3228	.484E-03
2390	.284E-03
1513	.759E-04
3831	.627E-03
3348	.512E-03
2771	.375E-03
1468	.652E-04
4685	.830E-03
3949	.655E-03
3045	.440E-03

STACK #3

MODEL	PROTOTYPE
1.65 M/S	16.76 M/S
.95 M/S	9.58 M/S
.13E-03M3/S	.12E+03M3/S
.20E+05	.10E+01
.11E+04	
.15E-02	
.5500E+02 (GM/SEC)	
25.40 CM	76.20 M
1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
4332	.113E-03
3048	.675E-04
4054	.103E-03
4060	.104E-03
3206	.732E-04
2408	.448E-04
1382	.829E-05
3388	.796E-04
3191	.726E-04
2769	.576E-04
1496	.123E-04
4064	.104E-03
3672	.897E-04
3086	.689E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.252E-02
.158E-02
.213E-02
.187E-02
.111E-02
.627E-03
.179E-03
.144E-02
.115E-02
.813E-03
.132E-03
.194E-02
.152E-02
.979E-03

RUN # 81

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	1.10 M/S	11.22 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.14E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	2555	.394E-03
16	2273	.297E-03
17	2690	.441E-03
18	2766	.467E-03
19	2215	.277E-03
20	1767	.122E-03
22	1621	.715E-04
25	2514	.380E-03
26	2067	.226E-03
28	1481	.231E-04
38	2702	.445E-03
39	2642	.424E-03
40	2195	.270E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
2771		.373E-03
2431		.292E-03
3014		.431E-03
3046		.439E-03
2284		.257E-03
1665		.110E-03
1517		.749E-04
2716		.360E-03
2094		.212E-03
1311		.255E-04
3013		.431E-03
2887		.401E-03
2277		.255E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
2829		.593E-04
2418		.447E-04
3014		.659E-04
3001		.654E-04
2225		.378E-04
1610		.160E-04
1485		.115E-04
2625		.521E-04
2027		.308E-04
1280		.423E-05
2969		.643E-04
2839		.593E-04
2222		.377E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
11	.827E-03
16	.634E-03
17	.938E-03
18	.971E-03
19	.572E-03
20	.248E-03
22	.158E-03
25	.792E-03
26	.469E-03
28	.533E-04
38	.940E-03
39	.884E-03
40	.563E-03

RUN # 82

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E+03 M ³ /S	.27E+03 M ³ /S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.14E+04	
CALIBRATION FACTOR	.42E-02	
SO ₂ FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	1599	.633E-04
16	1710	.990E-04
17	1870	.150E-03
18	1782	.122E-03
19	1564	.520E-04
20	1475	.235E-04
22	1576	.559E-04
24	1962	.180E-03
25	1941	.173E-03
26	1756	.114E-03
28	1421	.610E-05
38	1873	.151E-03
39	1843	.142E-03
40	1638	.758E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03 M ³ /S	.29E+03 M ³ /S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.22E-02	
SO ₂ FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1530	.886E-04	
1635	.117E-03	
1834	.170E-03	
1704	.135E-03	
1442	.651E-04	
1312	.303E-04	
1483	.761E-04	
1968	.206E-03	
1929	.195E-03	
1704	.135E-03	
1251	.139E-04	
1847	.174E-03	
1812	.164E-03	
1537	.305E-04	

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E-03 M ³ /S	.27E+03 M ³ /S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.15E-02	
SO ₂ FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1522	.228E-04	
1637	.299E-04	
1846	.429E-04	
1722	.352E-04	
1449	.182E-04	
1287	.819E-05	
1434	.173E-04	
1929	.480E-04	
1884	.453E-04	
1652	.308E-04	
1224	.428E-05	
1860	.438E-04	
1824	.415E-04	
1540	.239E-04	

PREDICTED TOTAL PROTOTYPE
SO₂ CONCENTRATIONS:

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
11	.175E-03
16	.246E-03
17	.363E-03
18	.293E-03
19	.135E-03
20	.619E-04
22	.149E-03
24	.434E-03
25	.414E-03
26	.280E-03
28	.243E-04
38	.369E-03
39	.347E-03
40	.190E-03

RUN # 83

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.17E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	1599	*****
16	1710	.148E-04
17	1870	.662E-04
18	1782	.379E-04
19	1564	*****
20	1475	*****
22	1576	*****
24	1962	.957E-04
25	1941	.890E-04
26	1756	.296E-04
28	1421	*****
38	1873	.671E-04
39	1843	.575E-04
40	1638	*****

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03M3/S	.29E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.16E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1530	*****
1635	.198E-04
1834	.731E-04
1704	.383E-04
1442	*****
1312	*****
1483	*****
1968	.109E-03
1929	.985E-04
1704	.383E-04
1251	*****
1847	.766E-04
1812	.672E-04
1537	*****

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.15E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1522	*****
1637	.695E-05
1846	.199E-04
1722	.122E-04
1449	*****
1287	*****
1434	*****
1929	.251E-04
1884	.223E-04
1652	.788E-05
1224	*****
1860	.208E-04
1824	.186E-04
1540	.931E-06

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)

.415E-04
.159E-03
.884E-04

.230E-03
.210E-03
.757E-04

.165E-03
.143E-03
.931E-06

RUN # 84

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.18E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	3956	.692E-03
16	4015	.711E-03
17	4383	.829E-03
18	3774	.634E-03
19	2734	.299E-03
20	2046	.784E-04
22	2216	.133E-03
24	3760	.629E-03
25	3403	.514E-03
26	2630	.266E-03
28	1834	.103E-04
38	4074	.730E-03
39	3578	.571E-03
40	2684	.283E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03M3/S	.29E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.18E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
3732	.518E-03
3457	.445E-03
3938	.573E-03
3781	.531E-03
2935	.305E-03
2219	.113E-03
2112	.844E-04
3722	.515E-03
3751	.523E-03
3072	.341E-03
1955	.423E-04
3813	.540E-03
3730	.518E-03
2984	.318E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.17E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
3122	.868E-04
2908	.735E-04
3641	.119E-03
3912	.136E-03
3409	.105E-03
2527	.498E-04
1946	.138E-04
3573	.115E-03
4193	.153E-03
3694	.122E-03
2189	.289E-04
3680	.121E-03
3967	.139E-03
3592	.116E-03

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.130E-02
.123E-02
.152E-02
.130E-02
.709E-03
.241E-03
.231E-03
.126E-02
.119E-02
.730E-03
.815E-04
.139E-02
.123E-02
.717E-03

RUN # 85

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.19E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	3454	.488E-03
16	3217	.412E-03
17	4162	.715E-03
18	3865	.620E-03
19	2809	.280E-03
20	2211	.884E-04
22	2257	.103E-03
24	3867	.620E-03
25	3491	.500E-03
26	2560	.200E-03
28	2042	.341E-04
38	4099	.695E-03
39	3628	.544E-03
40	2734	.256E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.20E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
4865	.771E-03
3443	.391E-03
4763	.744E-03
5154	.849E-03
4079	.561E-03
3100	.299E-03
2251	.715E-04
4403	.648E-03
4634	.710E-03
3522	.412E-03
2437	.121E-03
4832	.763E-03
4910	.784E-03
3819	.491E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.19E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
4808	.182E-03
3052	.733E-04
4401	.157E-03
5530	.227E-03
5095	.200E-03
3902	.126E-03
2087	.134E-04
4098	.138E-03
5070	.199E-03
4245	.147E-03
2744	.542E-04
4553	.166E-03
5408	.220E-03
4692	.175E-03

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.144E-02
.876E-03
.162E-03
.170E-03
.104E-03
.513E-03
.188E-03
.141E-03
.141E-03
.760E-03
.210E-03
.162E-02
.155E-02
.923E-03

RUN # 86

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.20E+04	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	3069	.338E-03
16	3340	.425E-03
17	3820	.579E-03
18	3564	.497E-03
19	3006	.318E-03
20	2327	.996E-04
22	2313	.951E-04
24	3603	.510E-03
25	3484	.471E-03
26	2986	.311E-03
28	2122	.337E-04
38	3815	.578E-03
39	3632	.519E-03
40	2994	.314E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03M3/S	.29E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.21E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
4380	.606E-03
3740	.435E-03
4615	.669E-03
4754	.706E-03
4204	.559E-03
3146	.276E-03
2421	.814E-04
4231	.366E-03
4519	.643E-03
3953	.492E-03
2496	.101E-03
4490	.625E-03
4725	.698E-03
4108	.533E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.65 M/S	16.76 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.20E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
5326	.208E-03
3538	.973E-04
5142	.197E-03
5705	.232E-03
5326	.208E-03
4126	.134E-03
2201	.143E-04
4478	.158E-03
5229	.202E-03
4663	.162E-03
2695	.449E-04
4901	.182E-03
5562	.220E-03
5032	.190E-03

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.115E-02
.957E-03
.145E-02
.143E-02
.108E-02
.509E-03
.191E-03
.123E-02
.132E-02
.970E-03
.180E-03
.139E-02
.144E-02
.104E-02

RUN # 87

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.20 M/S	13.41 M/S
EXIT VEL.	2.40 M/S	25.57 M/S
VOL. FLOW	.28E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.10E+04	
CALIBRATION FACTOR	.43E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	1315	.987E-04
16	1389	.122E-03
17	1628	.198E-03
18	1465	.146E-03
19	1138	.423E-04
20	996	*****
22	1065	.191E-04
24	1800	.253E-03
25	1599	.189E-03
26	1266	.831E-04
28	927	*****
38	1681	.215E-03
39	1467	.147E-03
40	1168	.519E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.20 M/S	13.41 M/S
EXIT VEL.	2.12 M/S	22.57 M/S
VOL. FLOW	.30E-03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.56E+03	
CALIBRATION FACTOR	.23E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1718	.307E-03
898	.891E-04
1525	.255E-03
1820	.334E-03
1427	.229E-03
1035	.125E-03
551	*****
1390	.220E-03
1751	.315E-03
1453	.236E-03
691	.342E-04
1513	.252E-03
1673	.295E-03
1409	.225E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.20 M/S	13.41 M/S
EXIT VEL.	2.07 M/S	22.08 M/S
VOL. FLOW	.28E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.49E+03	
CALIBRATION FACTOR	.16E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1961	.905E-04
929	.271E-04
1685	.735E-04
2435	.120E-03
2221	.107E-03
1686	.736E-04
550	.375E-05
1406	.564E-04
2463	.121E-03
2276	.110E-03
1043	.341E-04
1707	.749E-04
2316	.112E-03
2211	.106E-03

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.496E-03
.238E-03
.527E-03
.600E-03
.378E-03
.199E-03
.228E-04
.529E-03
.626E-03
.429E-03
.683E-04
.542E-03
.554E-03
.382E-03

RUN # 88

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.80 M/S	20.12 M/S
EXIT VEL.	2.40 M/S	25.57 M/S
VOL. FLOW	.28E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.43E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	5146	.128E-02
16	4402	.104E-02
17	5357	.135E-02
18	5249	.131E-02
19	3838	.863E-03
20	2411	.409E-03
22	1694	.180E-03
24	4150	.963E-03
25	4003	.916E-03
26	3080	.622E-03
28	1497	.118E-03
38	5046	.125E-02
39	4636	.112E-02
40	3436	.735E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.80 M/S	20.12 M/S
EXIT VEL.	2.12 M/S	22.57 M/S
VOL. FLOW	.30E+03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.80E+03	
CALIBRATION FACTOR	.23E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
8411	.202E-02
4879	.108E-02
7078	.167E-02
7017	.165E-02
5679	.130E-02
3569	.736E-03
1389	.157E-03
4992	.111E-02
5195	.117E-02
3992	.849E-03
1592	.211E-03
6229	.144E-02
6113	.141E-02
4779	.106E-02

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.80 M/S	20.12 M/S
EXIT VEL.	2.07 M/S	22.08 M/S
VOL. FLOW	.28E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.17E+03	
CALIBRATION FACTOR	.16E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
7843	.435E-03
3585	.173E-03
5832	.311E-03
6575	.357E-03
6031	.324E-03
4504	.230E-03
1154	.235E-04
4294	.217E-03
4965	.258E-03
4269	.215E-03
1833	.653E-04
5199	.272E-03
5824	.311E-03
5109	.267E-03

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.374E-02
.230E-02
.333E-02
.332E-02
.248E-02
.137E-02
.361E-03
.229E-02
.234E-02
.169E-02
.394E-03
.296E-02
.284E-02
.206E-02

RUN # 89

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.13E+04	
CALIBRATION FACTOR	.43E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	3086	.517E-03
16	2371	.314E-03
17	3270	.569E-03
18	3971	.767E-03
19	3405	.607E-03
20	2366	.313E-03
22	1469	.594E-04
24	3063	.510E-03
25	3587	.658E-03
26	3056	.508E-03
28	2661	.396E-03
38	3513	.637E-03
39	3901	.747E-03
40	3214	.553E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E-03M3/S	.26E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.97E+03	
CALIBRATION FACTOR	.23E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2817	.435E-03
2437	.345E-03
3182	.521E-03
3673	.636E-03
2736	.416E-03
1695	.170E-03
1355	.900E-04
3044	.488E-03
3366	.564E-03
2622	.389E-03
1268	.695E-04
3339	.558E-03
3535	.604E-03
2647	.395E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E-03M3/S	.25E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.93E+03	
CALIBRATION FACTOR	.16E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2194	.692E-04
2729	.984E-04
3198	.124E-03
3087	.118E-03
2010	.592E-04
1317	.213E-04
1586	.360E-04
2991	.113E-03
2792	.102E-03
1928	.547E-04
1047	.655E-05
3180	.123E-03
2795	.102E-03
1994	.583E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.102E-02
.758E-03
.121E-02
.152E-02
.108E-02
.504E-03
.185E-03
.111E-02
.132E-02
.951E-03
.472E-03
.132E-02
.145E-02
.101E-02

RUN # 90

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.33 M/S	23.60 M/S
VOL. FLOW	.27E+03 M3/S	.25E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.14E+04	
CALIBRATION FACTOR	.43E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
11	2000	.164E-03
16	1982	.159E-03
17	2561	.319E-03
18	2755	.372E-03
19	2672	.349E-03
20	2060	.180E-03
22	1551	.400E-04
24	2970	.432E-03
25	3172	.487E-03
26	2731	.366E-03
28	1691	.786E-04
38	2832	.394E-03
39	3106	.469E-03
40	2778	.379E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.05 M/S	20.83 M/S
VOL. FLOW	.29E+03 M3/S	.26E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.23E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2202	.237E-03
2151	.225E-03
2699	.351E-03
2456	.295E-03
2160	.227E-03
1583	.943E-04
1519	.796E-04
2952	.409E-03
2783	.370E-03
2190	.234E-03
1326	.352E-04
2810	.377E-03
2663	.343E-03
2253	.248E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.55 M/S	20.12 M/S
EXIT VEL.	2.00 M/S	20.38 M/S
VOL. FLOW	.27E+03 M3/S	.25E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.16E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1764	.338E-04
2285	.616E-04
2415	.685E-04
2159	.549E-04
1758	.335E-04
1366	.126E-04
1718	.313E-04
2845	.914E-04
2376	.664E-04
1812	.364E-04
1197	.357E-05
2531	.747E-04
2258	.601E-04
1834	.375E-04

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.434E-03
.445E-03
.738E-03
.722E-03
.610E-03
.287E-03
.151E-03
.932E-03
.924E-03
.636E-03
.117E-03
.845E-03
.872E-03
.665E-03

RUN # 101

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.95E+03	
CALIBRATION FACTOR	.40E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
4	1057	.323E-04
10	1441	.152E-03
11	1410	.142E-03
12	1173	.683E-04
17	2034	.336E-03
18	1833	.273E-03
19	1439	.151E-03
22	1133	.559E-04
23	1636	.212E-03
24	2037	.337E-03
25	2163	.376E-03
26	1704	.233E-03
27	1292	.105E-03
30	947	*****
33	1199	.764E-04
39	1967	.315E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.39E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
577	.497E-04
1052	.173E-03
986	.156E-03
736	.909E-04
1834	.375E-03
1608	.317E-03
1137	.195E-03
709	.839E-04
1396	.262E-03
1926	.399E-03
2088	.441E-03
1538	.299E-03
1002	.160E-03
439	.140E-04
748	.940E-04
1805	.368E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.42E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
668	.149E-04
1080	.396E-04
1045	.375E-04
842	.253E-04
1778	.815E-04
1599	.708E-04
1145	.435E-04
720	.180E-04
1343	.554E-04
1840	.852E-04
1985	.939E-04
1485	.639E-04
1485	.639E-04
479	.354E-05
840	.252E-04
1753	.800E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.969E-04
.364E-03
.535E-03
.185E-03
.792E-03
.661E-03
.389E-03
.158E-03
.529E-03
.821E-03
.911E-03
.596E-03
.329E-03
.175E-04
.196E-03
.763E-03

RUN # 102

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.16E+04	
CALIBRATION FACTOR	.40E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
4	2472	.267E-03
10	3045	.445E-03
11	3763	.668E-03
12	3254	.510E-03
17	3957	.729E-03
18	4300	.835E-03
19	3804	.681E-03
23	2359	.232E-03
24	3553	.603E-03
25	4119	.779E-03
26	3611	.621E-03
27	2616	.312E-03
30	1410	*****
33	3045	.445E-03
39	4139	.785E-03
22	*****	*****

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E+03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.83E+03	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
4	3253	.629E-03
10	4063	.838E-03
11	4288	.897E-03
12	3165	.606E-03
17	4814	.103E-02
18	4673	.996E-03
19	3464	.683E-03
23	2781	.506E-03
24	4248	.886E-03
25	4251	.887E-03
26	3290	.638E-03
27	2076	.324E-03
30	150	*****
33	3840	.781E-03
39	4396	.925E-03
22	*****	*****

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.77E+03	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
4	1947	.708E-04
10	3652	.173E-03
11	3406	.158E-03
12	2107	.804E-04
17	4662	.234E-03
18	4049	.197E-03
19	2611	.111E-03
23	3157	.143E-03
24	4340	.214E-03
25	3543	.167E-03
26	2371	.962E-04
27	1455	.412E-04
30	1102	.200E-04
33	2870	.126E-03
39	3850	.185E-03
22	*****	*****

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.967E-03
.146E-02
.172E-02
.120E-02
.200E-02
.203E-02
.148E-02
.882E-03
.170E-02
.183E-02
.136E-02
.677E-03
.200E-04
.135E-02
.189E-02

RUN # 103			STACK #2			STACK #3			PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:	
STACK #1			STACK #2			STACK #3				
	MODEL	PROTOTYPE	MODEL	PROTOTYPE		MODEL	PROTOTYPE			
STACK HT. VEL.	1.98 M/S	20.12 M/S	1.98 M/S	20.12 M/S		1.98 M/S	20.12 M/S			
EXIT VEL.	2.52 M/S	25.57 M/S	2.23 M/S	22.57 M/S		2.17 M/S	22.08 M/S			
VOL. FLOW	.29E-03M3/S	.27E+03M3/S	.31E-03M3/S	.29E+03M3/S		.30E-03M3/S	.27E+03M3/S			
SOURCE STRENGTH	.41E+05	.10E+01	.31E+05	.10E+01		.20E+05	.10E+01			
BACKGROUND	.10E+04		.43E+03			.33E+03				
CALIBRATION FACTOR	.41E-02		.22E-02			.15E-02				
SO2 FLUX	.8500E+03 (GM/SEC)		.1050E+04 (GM/SEC)			.2200E+03 (GM/SEC)				
STACK HEIGHT	25.40 CM	76.20 M	25.40 CM	76.20 M		25.40 CM	76.20 M			
STACK DIAMETER	1.22 CM	3.66 M	1.34 CM	4.02 M		1.32 CM	3.96 M			
SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)		RAW (AREA)	CONCENTRATION (GM/M**3)		TOTAL CONCENTRATION (GM/M**3)	
1	983	*****	367	*****		361	.188E-05		.188E-05	
2	985	*****	395	*****		394	.387E-05		.387E-05	
3	1016	*****	490	.170E-04		418	.533E-05		.223E-04	
4	1023	*****	637	.554E-04		500	.103E-04		.657E-04	
5	85	*****	500	.196E-04		544	.130E-04		.325E-04	
6	992	*****	465	.104E-04		530	.121E-04		.226E-04	
7	1019	*****	468	.112E-04		493	.987E-05		.211E-04	
8	969	*****	359	*****		361	.188E-05		.188E-05	
9	1193	.476E-04	439	.366E-05		392	.375E-05		.350E-04	
10	1532	.154E-03	947	.136E-03		680	.212E-04		.311E-03	
11	1387	.108E-03	1257	.217E-03		1091	.461E-04		.572E-03	
12	1053	.376E-05	919	.129E-03		1311	.594E-04		.192E-03	
13	1021	*****	543	.308E-04		760	.260E-04		.568E-04	
14	994	*****	458	.862E-05		505	.106E-04		.192E-04	
15	1620	.181E-03	711	.747E-04		481	.914E-05		.265E-03	
16	2362	.414E-03	1246	.214E-03		788	.277E-04		.656E-03	
17	2763	.540E-03	1875	.379E-03		1502	.709E-04		.989E-03	
18	2335	.405E-03	2336	.499E-03		2534	.133E-03		.104E-02	
19	1620	.181E-03	1984	.407E-03		2867	.154E-03		.742E-03	
20	1151	.345E-04	1200	.202E-03		1936	.972E-04		.334E-03	
21	1021	*****	710	.744E-04		1114	.475E-04		.122E-03	
22	1402	.113E-03	721	.773E-04		562	.140E-04		.204E-03	
23	2251	.379E-03	1598	.306E-03		1124	.481E-04		.734E-03	
24	3002	.614E-03	2605	.563E-03		2047	.104E-03		.129E-02	
25	2644	.502E-03	2850	.633E-03		3088	.167E-03		.330E-02	
26	1761	.226E-03	2245	.475E-03		2921	.157E-03		.858E-03	
27	1326	.893E-04	1547	.293E-03		2151	.110E-03		.493E-03	
28	1081	.125E-04	881	.119E-03		1255	.560E-04		.188E-03	
29	955	*****	422	*****		426	.581E-05		.581E-05	
30	971	*****	444	.496E-05		461	.793E-05		.129E-04	
31	962	*****	444	.496E-05		483	.926E-05		.142E-04	
32	1232	.598E-04	745	.836E-04		589	.157E-04		.159E-03	
33	1102	.191E-04	864	.115E-03		716	.234E-04		.557E-03	
34	1017	*****	671	.642E-04		771	.267E-04		.909E-04	
35	2127	.340E-03	1360	.244E-03		1045	.433E-04		.228E-03	
36	1782	.232E-03	1679	.327E-03		1912	.958E-04		.155E-03	
37	1272	.724E-04	1441	.265E-03		2132	.109E-03		.447E-03	
38	2898	.582E-03	2287	.486E-03		1848	.919E-04		.116E-03	
39	2462	.445E-03	2544	.553E-03		2809	.150E-03		.115E-02	
40	1654	.192E-03	2019	.416E-03		2973	.160E-03		.768E-03	

RUN # 104			STACK #2			STACK #3		
STACK #1			STACK #2			STACK #3		
	MODEL	PROTOTYPE	MODEL	PROTOTYPE		MODEL	PROTOTYPE	
STACK HT. VEL.	1.98 M/S	20.12 M/S	1.98 M/S	20.12 M/S		1.98 M/S	20.12 M/S	
EXIT VEL.	2.52 M/S	25.57 M/S	2.23 M/S	22.57 M/S		2.17 M/S	22.08 M/S	
VOL. FLOW	.29E-03M3/S	.27E+03M3/S	.31E-03M3/S	.29E+03M3/S		.30E-03M3/S	.27E+03M3/S	
SOURCE STRENGTH	.41E+05	.10E+01	.31E+05	.10E+01		.20E+05	.10E+01	
BACKGROUND	.12E+04		.57E+03			.55E+03		
CALIBRATION FACTOR	.41E-02		.22E-02			.15E-02		
SO2 FLUX	.8500E+03 (GM/SEC)		.1050E+04 (GM/SEC)			.2200E+03 (GM/SEC)		
STACK HEIGHT	25.40 CM	76.20 M	25.40 CM	76.20 M		25.40 CM	76.20 M	
STACK DIAMETER	1.22 CM	3.66 M	1.34 CM	4.02 M		1.32 CM	3.96 M	
SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)		RAW (AREA)	CONCENTRATION (GM/M**3)	
1	1223	.439E-05	702	.350E-04		596	.309E-05	.425E-04
2	1592	.120E-03	1436	.227E-03		991	.270E-04	.374E-03
3	2144	.293E-03	2740	.567E-03		2207	.101E-03	.961E-03
4	2234	.321E-03	3854	.858E-03		3723	.192E-03	.137E-02
5	1858	.203E-03	3255	.702E-03		3965	.207E-03	.111E-02
6	1506	.931E-04	2251	.440E-03		3193	.160E-03	.693E-03
7	1276	.210E-04	1334	.200E-03		1979	.868E-04	.308E-03
8	1232	.721E-05	655	.227E-04		590	.272E-05	.327E-04
9	1949	.232E-03	1539	.254E-03		1174	.381E-04	.524E-03
10	3467	.707E-03	3834	.853E-03		3193	.160E-03	.172E-02
11	3408	.689E-03	5226	.122E-02		5746	.315E-03	.222E-02
12	2411	.377E-03	4370	.993E-03		6484	.360E-03	.175E-02
13	1640	.135E-03	2321	.458E-03		4025	.211E-03	.804E-03
14	1238	.909E-05	1031	.121E-03		1502	.579E-04	.188E-03
15	2018	.253E-03	1344	.203E-03		1030	.294E-04	.486E-03
16	2976	.554E-03	2817	.587E-03		2272	.105E-03	.125E-02
17	4310	.972E-03	4920	.114E-02		4546	.242E-03	.235E-02
18	3988	.871E-03	5585	.131E-02		6076	.335E-03	.253E-02
19	2977	.554E-03	4712	.108E-02		6284	.347E-03	.198E-02
20	2699	.467E-03	2241	.437E-03		1807	.764E-04	.980E-03
21	3631	.759E-03	4052	.910E-03		3817	.198E-03	.187E-02
22	3571	.740E-03	4641	.106E-02		5085	.275E-03	.208E-02
23	2656	.453E-03	3495	.764E-03		4085	.214E-03	.143E-02
24	1896	.215E-03	2229	.434E-03		2770	.135E-03	.784E-03
25	1314	.329E-04	1749	.308E-03		1294	.453E-04	.387E-03
26	2864	.519E-03	4667	.107E-02		4819	.259E-03	.185E-02
27	3691	.778E-03	5137	.119E-02		5719	.313E-03	.228E-02

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION
(GM/M**3)

RUN # 105			STACK #1			STACK #2			STACK #3			PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:	
	MODEL	PROTOTYPE		MODEL	PROTOTYPE		MODEL	PROTOTYPE		MODEL	PROTOTYPE		
STACK HT. VEL.	1.98 M/S	20.12 M/S		1.98 M/S	20.12 M/S		1.98 M/S	20.12 M/S		1.98 M/S	20.12 M/S		
EXIT VEL.	2.52 M/S	25.57 M/S		2.23 M/S	22.57 M/S		2.17 M/S	22.08 M/S		2.17 M/S	22.08 M/S		
VOL. FLOW	.29E-03M3/S	.27E+03M3/S		.31E-03M3/S	.29E+03M3/S		.30E-03M3/S	.27E+03M3/S		.30E-03M3/S	.27E+03M3/S		
SOURCE STRENGTH	.41E+05	.10E+01		.31E+05	.10E+01		.20E+05	.10E+01		.20E+05	.10E+01		
BACKGROUND	.14E+04			.84E+03			.80E+03			.80E+03			
CALIBRATION FACTOR	.41E-02			.22E-02			.15E-02			.15E-02			
SO2 FLUX	.8500E+03 (GM/SEC)			.1050E+04 (GM/SEC)			.2200E+03 (GM/SEC)			.2200E+03 (GM/SEC)			
STACK HEIGHT	25.40 CM	76.20 M		25.40 CM	76.20 M		25.40 CM	76.20 M		25.40 CM	76.20 M		
STACK DIAMETER	1.22 CM	3.66 M		1.34 CM	4.02 M		1.32 CM	3.96 M		1.32 CM	3.96 M		
SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL	CONCENTRATION (GM/M**3)			
3	2271	.271E-03	2932	.546E-03	2065	.765E-04		.894E-03					
4	2102	.218E-03	3129	.598E-03	3101	.139E-03		.955E-03					
5	1701	.924E-04	2659	.475E-03	3422	.159E-03		.726E-03					
10	3531	.666E-03	4454	.944E-03	3360	.155E-03		.176E-02					
11	2939	.480E-03	4660	.997E-03	5046	.237E-03		.176E-02					
12	2201	.249E-03	3877	.793E-03	5508	.285E-03		.133E-02					
17	4196	.874E-03	5010	.109E-02	4466	.222E-03		.218E-02					
18	3746	.733E-03	5143	.112E-02	5813	.303E-03		.216E-02					
19	3458	.643E-03	4190	.875E-03	5617	.291E-03		.181E-02					
23	2931	.478E-03	2563	.450E-03	1979	.713E-04		.999E-03					
24	3842	.763E-03	4236	.887E-03	3784	.181E-03		.183E-02					
25	3605	.689E-03	4594	.980E-03	4957	.252E-03		.192E-02					
26	2768	.427E-03	3568	.712E-03	4287	.211E-03		.135E-02					
27	2061	.205E-03	2471	.426E-03	3138	.141E-03		.772E-03					
30	1470	.201E-04	1597	.197E-03	1297	.300E-04		.247E-03					
33	2723	.413E-03	4044	.836E-03	3808	.182E-03		.143E-02					
36	3300	.593E-03	4967	.108E-02	5486	.284E-03		.195E-02					
39	378	*****	4995	.108E-02	5467	.282E-03		.137E-02					
1	*****	*****	*****	*****	*****	*****		*****					

RUN # 106

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.16E+04	
CALIBRATION FACTOR	.41E+02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E+03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.22E+02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.98 M/S	20.12 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.15E+02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1579	.125E-05
2	1598	.721E-05
3	1594	.595E-05
4	1593	.564E-05
5	1569	*****
6	1562	*****
7	1554	*****
8	1618	.135E-04
9	1691	.363E-04
10	1711	.426E-04
11	1661	.269E-04
12	1592	.533E-05
13	1571	*****
14	1560	*****
15	1808	.730E-04
16	1900	.102E-03
17	1917	.107E-03
18	1775	.627E-04
19	1656	.254E-04
20	1601	.815E-05
21	1568	*****
22	1913	.106E-03
23	2051	.149E-03
24	2058	.151E-03
25	1953	.118E-03
26	1748	.542E-04
27	1622	.147E-04
28	1574	*****
29	1567	*****
30	1558	*****
31	1563	*****
32	1636	.191E-04
33	1613	.119E-04
34	1574	*****
35	1817	.758E-04
36	1715	.439E-04
37	1629	.169E-04
38	1967	.123E-03
39	1811	.739E-04
40	1683	.338E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
1207	.235E-05
1239	.107E-04
1243	.118E-04
1237	.102E-04
1226	.731E-05
1201	.783E-06
1183	*****
1249	.133E-04
1342	.376E-04
1396	.517E-04
1348	.392E-04
1257	.154E-04
1217	.496E-05
1189	*****
1481	.739E-04
1628	.112E-03
1682	.126E-03
1510	.815E-04
1357	.415E-04
1267	.180E-04
1202	.104E-05
1621	.110E-03
1818	.162E-03
1913	.187E-03
1786	.154E-03
1504	.799E-04
1296	.256E-04
1209	.287E-05
1213	.392E-05
1202	.104E-05
1204	.157E-05
1319	.316E-04
1305	.279E-04
1253	.144E-04
1563	.753E-04
1473	.718E-04
1329	.342E-04
1767	.149E-03
1585	.101E-05
1413	.561E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
1148	.303E-05
1180	.496E-05
1201	.624E-05
1213	.596E-05
1214	.702E-05
1179	.490E-05
1135	.224E-05
1213	.626E-05
1384	.173E-04
1456	.217E-04
1416	.193E-04
1294	.119E-04
1188	.545E-05
1119	.127E-05
1552	.275E-04
1803	.427E-04
1853	.457E-04
1651	.335E-04
1429	.200E-04
1280	.110E-04
1163	.393E-05
1608	.309E-04
1900	.486E-04
1996	.544E-04
1829	.443E-04
1511	.250E-04
1265	.101E-04
1150	.315E-05
1109	.666E-06
1125	.163E-05
1131	.200E-05
1329	.140E-04
1340	.146E-04
1292	.117E-04
1708	.369E-04
1630	.322E-04
1421	.196E-04
1930	.504E-04
1726	.380E-04
1496	.241E-04

TOTAL CONCENTRATION (GM/M**3)
.663E-05
.229E-04
.239E-04
.228E-04
.143E-04
.569E-05
.224E-05
.338E-04
.913E-04
.116E-03
.854E-04
.326E-04
.104E-04
.127E-05
.174E-03
.257E-03
.279E-03
.178E-03
.869E-04
.372E-04
.498E-05
.247E-03
.360E-03
.392E-03
.316E-03
.159E-03
.504E-04
.602E-05
.458E-05
.268E-05
.356E-05
.647E-04
.545E-04
.261E-04
.208E-03
.148E-03
.707E-04
.322E-03
.213E-03
.114E-03

RUN # 107

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.16E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
3	1750	.526E-04
4	1727	.454E-04
5	1636	.169E-04
10	1881	.937E-04
11	1946	.114E-03
12	1712	.407E-04
17	2125	.170E-03
18	2032	.141E-03
19	1792	.658E-04
24	2133	.173E-03
25	1999	.131E-03
26	1773	.598E-04
30	1578	*****
33	1888	.959E-04
36	1937	.111E-03
39	2000	.131E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.23 M/S	14.69 M/S
VOL. FLOW	.31E-03M3/S	.19E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1484	.671E-04
1566	.885E-04
1466	.624E-04
1633	.106E-03
1907	.178E-03
1593	.956E-04
1959	.191E-03
2043	.213E-03
1730	.131E-03
1816	.154E-03
1944	.187E-03
1778	.144E-03
1307	.209E-04
1715	.127E-03
1919	.181E-03
1984	.198E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1469	.216E-04
1753	.387E-04
1693	.351E-04
1748	.384E-04
2284	.709E-04
2026	.553E-04
2251	.689E-04
2709	.966E-04
2347	.747E-04
2061	.574E-04
2745	.988E-04
2701	.961E-04
1273	.969E-05
1892	.472E-04
2347	.747E-04
2648	.929E-04

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.141E-03
.173E-03
.114E-03
.238E-03
.363E-03
.192E-03
.430E-03
.451E-03
.272E-03
.384E-03
.417E-03
.300E-03
.306E-04
.270E-03
.367E-03
.422E-03

RUN # 108

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.19E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
3	1867	*****
4	1859	*****
5	1841	*****
10	1928	.100E-04
11	1937	.128E-04
12	1885	*****
17	2120	.702E-04
18	2040	.451E-04
19	1942	.144E-04
24	2349	.142E-03
25	2176	.877E-04
26	1999	.323E-04
30	1831	*****
33	1892	*****
36	1789	*****
39	2061	.517E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.23 M/S	14.69 M/S
VOL. FLOW	.31E-03 M3/S	.19E+03 M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.17E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1691	.157E-05
1699	.366E-05
1694	.235E-05
1818	.347E-04
1907	.580E-04
1803	.308E-04
2011	.851E-04
2043	.935E-04
2043	.935E-04
2159	.124E-03
2178	.129E-03
2080	.103E-03
1651	*****
1780	.248E-04
1969	.742E-04
2070	.101E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.15E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1551	.333E-05
1660	.993E-05
1679	.111E-04
1710	.130E-04
1953	.277E-04
1872	.228E-04
2027	.321E-04
2317	.497E-04
2317	.497E-04
2292	.482E-04
2745	.756E-04
2680	.717E-04
1503	.424E-06
1762	.161E-04
2055	.338E-04
2432	.567E-04

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.490E-05
.136E-04
.134E-04
.577E-04
.985E-04
.536E-04
.187E-03
.158E-03
.314E-03
.292E-03
.207E-03
.424E-06
.409E-04
.108E-03
.209E-03

RUN # 109

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.52 M/S	25.57 M/S
VOL. FLOW	.29E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.41E+05	.10E+01
BACKGROUND	.21E+04	
CALIBRATION FACTOR	.41E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
3	2219	.354E-04
4	2271	.517E-04
5	2193	.273E-04
6	2131	.783E-05
10	2400	.921E-04
11	2570	.145E-03
12	2319	.667E-04
17	2673	.178E-03
18	2634	.165E-03
19	2446	.107E-03
24	2664	.175E-03
25	2663	.175E-03
26	2412	.959E-04
30	2107	.311E-06
33	2396	.908E-04
36	2519	.129E-03
39	2638	.167E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.23 M/S	14.69 M/S
VOL. FLOW	.31E-03M3/S	.19E+03M3/S
SOURCE STRENGTH	.31E+05	.10E+01
BACKGROUND	.20E+04	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2137	.303E-04
2307	.747E-04
2299	.726E-04
2148	.332E-04
2362	.891E-04
2700	.177E-03
2489	.122E-03
2644	.163E-03
2830	.211E-03
2674	.171E-03
2689	.174E-03
2924	.236E-03
2783	.199E-03
2067	.120E-04
2480	.120E-03
2725	.184E-03
2851	.217E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.17 M/S	22.08 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.18E+04	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1996	.136E-04
2457	.415E-04
2589	.495E-04
2372	.364E-04
2436	.403E-04
3098	.803E-04
3126	.820E-04
2907	.688E-04
3547	.108E-03
3513	.105E-03
2901	.684E-04
3680	.116E-03
3533	.107E-03
1946	.106E-04
2791	.617E-04
3131	.823E-04
3555	.108E-03

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.793E-04
.168E-03
.149E-03
.774E-04
.221E-03
.403E-03
.271E-03
.409E-03
.484E-03
.383E-03
.418E-03
.526E-03
.402E-03
.229E-04
.272E-03
.396E-03
.491E-03

RUN # 211

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	.88 M/S	8.94 M/S
EXIT VEL.	2.53 M/S	25.57 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.83E+04	
CALIBRATION FACTOR	.42E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	.88 M/S	8.94 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03M3/S	.29E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.58E+04	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	.88 M/S	8.94 M/S
EXIT VEL.	2.18 M/S	22.07 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.55E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	8339	.327E-07
2	8521	.598E-05
3	8512	.568E-05
4	8667	.107E-04
5	8446	.353E-05
6	8524	.607E-05
7	8384	.150E-05
8	8443	.343E-05
9	8294	*****
10	8707	.121E-04
11	8648	.101E-04
12	8463	.408E-05
13	8395	.186E-05
14	8376	.124E-05
15	8486	.483E-05
16	8769	.141E-04
17	8751	.135E-04
18	8823	.158E-04
19	8652	.103E-04
20	8491	.500E-05
21	8310	*****
22	8757	.137E-04
23	9067	.238E-04
24	9152	.266E-04
25	9019	.222E-04
26	8965	.205E-04
27	8670	.108E-04
28	8648	.101E-04
29	8413	.245E-05
30	8486	.483E-05
31	8484	.477E-05
32	8638	.980E-05
33	8572	.764E-05
34	8545	.676E-05
35	8837	.163E-04
36	8674	.110E-04
37	8442	.340E-05
38	8864	.172E-04
39	8817	.156E-04
40	8754	.136E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
5811	.299E-06
6151	.953E-05
6299	.136E-04
6632	.226E-04
6364	.153E-04
6357	.151E-04
6033	.633E-05
5948	.402E-05
5483	*****
6651	.231E-04
6631	.226E-04
6485	.186E-04
6071	.736E-05
5896	.261E-05
6015	.884E-05
6452	.177E-04
6703	.245E-04
6868	.290E-04
6720	.250E-04
6307	.138E-04
5899	.269E-05
6113	.850E-05
6364	.153E-04
7174	.373E-04
7680	.511E-04
7461	.451E-04
6792	.269E-04
6499	.190E-04
6154	.962E-05
6246	.121E-04
6297	.135E-04
6580	.212E-04
6608	.219E-04
6604	.218E-04
6961	.315E-04
6709	.247E-04
6413	.167E-04
6958	.315E-04
7064	.343E-04
7203	.581E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
5532	.195E-06
5977	.290E-05
6280	.475E-05
7092	.969E-05
7011	.919E-05
6980	.900E-05
6206	.430E-05
5632	.803E-06
5623	.140E-06
7178	.102E-04
7665	.132E-04
7710	.134E-04
6486	.600E-05
5842	.208E-05
5870	.225E-05
6660	.706E-05
7800	.140E-04
8495	.182E-04
8226	.166E-04
7122	.987E-05
5983	.294E-05
5826	.198E-05
6329	.504E-05
8245	.167E-04
9232	.264E-04
9292	.231E-04
7654	.131E-04
6803	.793E-05
5903	.245E-05
6213	.434E-05
6542	.634E-05
6804	.793E-05
7436	.118E-04
7554	.125E-04
7765	.138E-04
8216	.165E-04
8132	.160E-04
8222	.166E-04
9032	.215E-04
9039	.215E-04

TOTAL CONCENTRATION (GM/M**3)
.526E-06
.184E-04
.240E-04
.430E-04
.280E-04
.302E-04
.121E-04
.825E-05
.140E-06
.454E-04
.459E-04
.361E-04
.152E-04
.593E-05
.129E-04
.388E-04
.520E-04
.631E-04
.518E-04
.286E-04
.563E-05
.242E-04
.442E-04
.806E-04
.997E-04
.887E-04
.309E-04
.370E-04
.145E-04
.213E-04
.246E-04
.389E-04
.414E-04
.411E-04
.616E-04
.522E-04
.361E-04
.652E-04
.715E-04
.732E-04

RUN # 212

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.88 M/S	8.94 M/S
EXIT VEL.	2.53 M/S	25.57 M/S
VOL. FLOW	.30E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.47E+03	
CALIBRATION FACTOR	.42E-02	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	468	*****
2	483	.359E-05
3	533	.199E-04
4	568	.314E-04
5	521	.160E-04
6	490	.588E-05
7	464	*****
8	449	*****
9	504	.105E-04
10	610	.451E-04
11	661	.617E-04
12	550	.255E-04
13	474	.653E-06
14	459	*****
15	514	.137E-04
16	342	*****
17	744	.888E-04
18	673	.656E-04
19	555	.271E-04
20	487	.490E-05
21	464	*****
22	587	.376E-04
23	801	.107E-03
24	864	.128E-03
25	675	.663E-04
26	554	.268E-04
27	504	.105E-04
28	473	.327E-06
29	462	*****
30	461	*****
31	459	*****
32	597	.408E-04
33	593	.395E-04
34	538	.216E-04
35	675	.663E-04
36	688	.705E-04
37	553	.265E-04
38	763	.950E-04
39	676	.666E-04
40	549	.251E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.88 M/S	8.94 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.10E+01	
CALIBRATION FACTOR	.22E-02	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1	*****
117	.315E-04
286	.774E-04
429	.116E-03
369	.100E-03
234	.633E-04
1	*****
1	*****
1	*****
301	.815E-04
515	.140E-03
378	.102E-03
149	.402E-04
1	*****
1	*****
223	.603E-04
388	.105E-03
465	.126E-03
323	.875E-04
183	.494E-04
1	*****
1	*****
213	.576E-04
362	.981E-04
457	.124E-03
352	.953E-04
262	.709E-04
184	.497E-04
1	*****
175	.473E-04
209	.565E-04
320	.867E-04
457	.124E-03
421	.114E-03
370	.100E-03
496	.134E-03
374	.101E-03
389	.105E-03
447	.121E-03
317	.858E-04

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.88 M/S	8.94 M/S
EXIT VEL.	2.18 M/S	22.07 M/S
VOL. FLOW	.30E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.10E+01	
CALIBRATION FACTOR	.15E-02	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1	*****
1	*****
227	.137E-04
480	.291E-04
599	.364E-04
389	.236E-04
1	*****
1	*****
1	*****
316	.192E-04
631	.383E-04
610	.371E-04
244	.148E-04
1	*****
1	*****
1	*****
417	.253E-04
734	.446E-04
607	.369E-04
428	.260E-04
1	*****
1	*****
1	*****
462	.280E-04
982	.597E-04
923	.561E-04
736	.447E-04
486	.295E-04
1	*****
1	*****
320	.194E-04
334	.203E-04
530	.322E-04
642	.390E-04
398	.242E-04
686	.417E-04
612	.372E-04
309	.309E-04
797	.484E-04
679	.412E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)

.351E-04
.111E-03
.177E-03
.152E-03
.928E-04

.105E-04
.146E-03
.240E-03
.165E-03
.556E-04

.137E-04
.603E-04
.219E-03
.236E-03
.151E-03
.803E-04

.376E-04
.165E-03
.254E-03
.250E-03
.178E-03
.126E-03
.795E-04

.473E-04
.759E-04
.148E-03
.196E-03
.175E-03
.191E-03
.247E-03
.165E-03
.231E-03
.236E-03
.152E-03

RUN # 212R

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.88 M/S	8.94 M/S
EXIT VEL.	2.53 M/S	25.57 M/S
VOL. FLOW	.30E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.47E+04	
CALIBRATION FACTOR	.42E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5124	.139E-04
2	5009	.101E-04
3	5068	.120E-04
4	5145	.146E-04
5	5230	.173E-04
6	4894	.635E-05
7	4830	.428E-05
8	4837	.448E-05
9	4906	.674E-05
10	53367	.218E-04
11	5520	.268E-04
12	5040	.111E-04
13	4871	.559E-05
14	4931	.756E-05
15	5183	.158E-04
16	5448	.245E-04
17	5756	.345E-04
18	5896	.391E-04
19	5193	.161E-04
20	4963	.860E-05
21	4770	.229E-05
22	5569	.284E-04
23	6397	.555E-04
24	6958	.739E-04
25	6192	.488E-04
26	5345	.211E-04
27	4994	.962E-05
28	4861	.537E-05
29	4735	.115E-05
30	4739	.128E-05
31	4758	.190E-05
32	5133	.142E-04
33	5288	.192E-04
34	4990	.949E-05
35	5641	.308E-04
36	5548	.277E-04
37	5122	.138E-04
38	6291	.521E-04
39	5801	.360E-04
40	5337	.208E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.88 M/S	8.94 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.34E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
473	.362E-05
386	.125E-05
985	.176E-04
1243	.246E-04
1241	.245E-04
653	.852E-05
372	.871E-06
343	.816E-07
368	.762E-06
1432	.297E-04
2257	.522E-04
1616	.347E-04
868	.144E-04
298	*****
352	.327E-06
853	.140E-04
1695	.369E-04
2402	.561E-04
1796	.396E-04
853	.140E-04
398	.158E-05
485	.395E-05
1072	.199E-04
2081	.474E-04
3221	.784E-04
2687	.639E-04
1596	.342E-04
841	.136E-04
418	.212E-05
671	.901E-05
622	.767E-05
1430	.297E-04
1813	.401E-04
1610	.346E-04
1709	.373E-04
2490	.585E-04
1675	.363E-04
2140	.490E-04
2449	.574E-04
2159	.495E-04

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.88 M/S	8.94 M/S
EXIT VEL.	2.18 M/S	22.07 M/S
VOL. FLOW	.30E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.36E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
404	.268E-06
787	.260E-05
1937	.961E-05
13606	.198E-04
2967	.159E-04
2208	.113E-04
1065	.430E-05
418	.353E-06
679	.194E-05
2273	.117E-04
4626	.260E-04
4285	.239E-04
1896	.936E-05
691	.202E-05
553	.118E-05
1453	.666E-05
4066	.226E-04
6273	.360E-04
5586	.318E-04
2322	.120E-04
1110	.457E-05
543	.112E-05
1389	.627E-05
4662	.262E-04
8990	.581E-04
8943	.523E-04
5746	.328E-04
2736	.145E-04
1073	.435E-05
1358	.608E-05
2184	.111E-04
2449	.127E-04
4112	.229E-04
4326	.242E-04
2906	.155E-04
4551	.255E-04
5071	.287E-04
4973	.281E-04
6740	.389E-04
6601	.380E-04

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.178E-04
.140E-04
.392E-04
.589E-04
.577E-04
.261E-04
.942E-05
.492E-05
.945E-05
.632E-04
.105E-03
.698E-04
.293E-04
.957E-05
.173E-04
.451E-04
.940E-04
.131E-03
.876E-04
.345E-04
.844E-05
.335E-04
.817E-04
.147E-03
.185E-03
.137E-03
.766E-04
.334E-04
.761E-05
.164E-04
.207E-04
.566E-04
.822E-04
.682E-04
.836E-04
.112E-03
.788E-04
.129E-03
.132E-03
.108E-03

RUN # 213

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	.90 M/S	8.94 M/S
EXIT VEL.	2.53 M/S	25.57 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.55E+04	
CALIBRATION FACTOR	.42E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
	.90 M/S	8.94 M/S
	2.23 M/S	22.57 M/S
	.31E-03M3/S	.29E+03M3/S
	.30E+05	.10E+01
	.18E+04	
	.22E-03	
	.1050E+04 (GM/SEC)	
	25.40 CM	76.20 M
	1.34 CM	4.02 M

	MODEL	PROTOTYPE
	.90 M/S	8.94 M/S
	2.18 M/S	22.07 M/S
	.30E-03M3/S	.27E+03M3/S
	.20E+05	.10E+01
	.15E+04	
	.15E-03	
	.2200E+03 (GM/SEC)	
	25.40 CM	76.20 M
	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5933	.140E-04
2	6492	.327E-04
3	6794	.428E-04
4	6544	.344E-04
5	6176	.221E-04
6	5788	.919E-05
7	5513	*****
8	5841	.110E-04
9	6578	.356E-04
10	7863	.785E-04
11	7064	.518E-04
12	6141	.210E-04
13	5609	.321E-05
14	5481	*****
15	6908	.466E-04
16	8153	.882E-04
17	9001	.117E-03
18	8019	.837E-04
19	6169	.219E-04
20	5853	.114E-04
21	5343	.100E-05
22	7375	.622E-04
23	9505	.133E-03
24	9829	.144E-03
25	7985	.826E-04
26	7017	.502E-04
27	6477	.322E-04
28	5966	.151E-04
29	6241	.243E-04
30	5991	.160E-04
31	5606	.311E-05
32	7280	.590E-04
33	6579	.356E-04
34	6295	.261E-04
35	8442	.978E-04
36	7928	.807E-04
37	6280	.256E-04
38	9658	.138E-03
39	7392	.628E-04
40	6269	.253E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
2057	.595E-05
2596	.209E-04
3398	.432E-04
4166	.645E-04
3593	.486E-04
2576	.204E-04
1907	.178E-05
1956	.314E-05
2823	.272E-04
4829	.830E-04
5112	.908E-04
3629	.496E-04
1981	.383E-05
1711	*****
2465	.173E-04
3486	.456E-04
4954	.854E-04
6032	.116E-03
4269	.674E-04
3031	.330E-04
2024	.503E-05
2504	.184E-04
3813	.547E-04
5118	.910E-04
7314	.152E-03
6698	.135E-03
5002	.878E-04
3095	.348E-04
2476	.176E-04
3600	.488E-04
3007	.323E-04
4099	.627E-04
5225	.940E-04
4066	.618E-04
4910	.852E-04
5677	.107E-03
3925	.578E-04
5412	.992E-04
5427	.996E-04
4924	.856E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
1524	.224E-06
1850	.225E-05
3666	.136E-04
5552	.253E-04
5266	.235E-04
3803	.144E-04
1872	.239E-05
1482	*****
2864	.856E-05
4475	.186E-04
7418	.369E-04
6623	.320E-04
2110	.387E-05
1450	*****
1741	.157E-05
3461	.123E-04
6005	.283E-04
9863	.521E-04
9160	.477E-04
6326	.301E-04
3650	.135E-04
1756	.167E-05
2573	.675E-05
7527	.376E-04
15640	.881E-04
14222	.792E-04
10067	.534E-04
6037	.283E-04
1847	.223E-05
3502	.125E-04
3637	.134E-04
4516	.188E-04
6439	.308E-04
6486	.311E-04
5441	.246E-04
9215	.481E-04
7177	.354E-04
6868	.335E-04
10579	.566E-04
10472	.559E-04

TOTAL CONCENTRATION (GM/M**3)
.202E-04
.559E-04
.995E-04
.124E-03
.943E-04
.440E-04
.417E-05
.141E-04
.714E-04
.180E-03
.180E-03
.103E-03
.109E-04

.654E-04
.146E-03
.231E-03
.252E-03
.137E-03
.745E-04
.195E-04
.822E-04
.195E-03
.273E-03
.323E-03
.264E-03
.173E-03
.782E-04
.441E-04
.773E-04
.488E-04
.141E-03
.160E-03
.119E-03
.208E-03
.235E-03
.119E-03
.271E-03
.219E-03
.167E-03

RUN # 214

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.90 M/S	8.94 M/S
EXIT VEL.	1.11 M/S	11.22 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.56E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5801	.667E-05
2	7422	.633E-04
3	9239	.127E-03
4	10255	.162E-03
5	8875	.114E-03
6	6956	.470E-04
7	5907	.104E-04
8	5441	*****
9	6701	.381E-04
10	10369	.166E-03
11	11855	.218E-03
12	8566	.103E-03
13	6417	.282E-04
14	5565	*****
15	7003	.487E-04
16	9173	.124E-03
17	10879	.184E-03
18	11499	.206E-03
19	9382	.132E-03
20	6947	.467E-04
21	5789	.625E-05
22	6919	.457E-04
23	10414	.168E-03
24	12843	.253E-03
25	12000	.223E-03
26	8918	.116E-03
27	6828	.426E-04
28	5794	.643E-05
29	6760	.402E-04
30	6784	.410E-04
31	6354	.260E-04
32	10160	.159E-03
33	11459	.204E-03
34	9769	.145E-03
35	11096	.192E-03
36	11566	.208E-03
37	9686	.142E-03
38	11754	.215E-03
39	11441	.204E-03
40	9179	.125E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.90 M/S	8.94 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.35E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
972	.150E-04
3521	.764E-04
7482	.172E-03
12271	.287E-03
11699	.273E-03
7924	.183E-03
3255	.700E-04
4133	.152E-05
1645	.312E-04
6394	.146E-03
12451	.292E-03
10007	.233E-03
4880	.109E-03
1495	.276E-04
1120	.186E-04
3229	.694E-04
6649	.152E-03
10898	.254E-03
9608	.223E-03
5899	.134E-03
2004	.399E-04
1270	.222E-04
3643	.794E-04
6446	.147E-03
9504	.221E-03
7691	.177E-03
4148	.915E-04
1969	.390E-04
4048	.891E-04
7148	.164E-03
7870	.181E-03
8619	.199E-03
12250	.287E-03
12584	.295E-03
7206	.165E-03
12179	.285E-03
9666	.225E-03
6828	.156E-03
10277	.239E-03
9062	.210E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.90 M/S	8.94 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1102	.769E-07
1846	.268E-05
6176	.178E-04
11490	.364E-04
13562	.436E-04
13621	.438E-04
9199	.284E-04
1068	*****
1642	.196E-05
7071	.209E-04
16204	.528E-04
16900	.553E-04
11858	.377E-04
5110	.141E-04
1565	.169E-05
4448	.118E-04
8752	.268E-04
16588	.542E-04
17345	.568E-04
13854	.446E-04
6132	.176E-04
1533	.158E-05
3808	.953E-05
7568	.227E-04
13963	.450E-04
15252	.495E-04
10572	.332E-04
5983	.171E-04
3722	.923E-05
6874	.202E-04
10553	.331E-04
7149	.212E-04
12919	.414E-04
16125	.526E-04
8650	.264E-04
16253	.530E-04
16185	.528E-04
8796	.670E-04
15714	.511E-04
17062	.558E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.217E-04
.142E-03
.316E-03
.486E-03
.431E-03
.273E-03
.103E-03
.152E-05
.713E-04
.333E-03
.563E-03
.391E-03
.175E-03
.417E-04
.689E-04
.206E-03
.363E-03
.514E-03
.412E-03
.222E-03
.638E-04
.695E-04
.257E-03
.422E-03
.489E-03
.342E-03
.167E-03
.626E-04
.139E-03
.222E-03
.240E-03
.379E-03
.533E-03
.493E-03
.383E-03
.546E-03
.420E-03
.398E-03
.494E-03
.390E-03

RUN # 215

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	.86 M/S	8.94 M/S
EXIT VEL.	1.11 M/S	11.22 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.52E+04	
CALIBRATION FACTOR	.42E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
	.86 M/S	8.94 M/S
	.96 M/S	9.67 M/S
	.13E-03 M3/S	.12E+03 M3/S
	.30E+05	.10E+01
	.12E+04	
	.22E-03	
	.4000E+03 (GM/SEC)	
	25.40 CM	76.20 M
	1.34 CM	4.02 M

	MODEL	PROTOTYPE
	.86 M/S	8.94 M/S
	.95 M/S	9.58 M/S
	.13E-03 M3/S	.12E+03 M3/S
	.20E+05	.10E+01
	.94E+03	
	.15E-03	
	.5500E+02 (GM/SEC)	
	25.40 CM	76.20 M
	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	10431	.180E-03
2	15311	.347E-03
3	15506	.354E-03
4	11353	.211E-03
5	7691	.860E-04
6	6011	.285E-04
7	5347	.579E-05
8	7258	.712E-04
9	11111	.203E-03
10	18594	.459E-03
11	13505	.285E-03
12	8703	.121E-03
13	5490	.107E-04
14	5171	*****
15	10361	.177E-03
16	15279	.346E-03
17	18211	.446E-03
18	13377	.281E-03
19	9024	.132E-03
20	6145	.331E-04
21	5312	.459E-05
22	8593	.117E-03
23	11729	.224E-03
24	14045	.304E-03
25	10934	.197E-03
26	8373	.109E-03
27	6331	.395E-04
28	5766	.201E-04
29	13057	.270E-03
30	9012	.131E-03
31	6533	.464E-04
32	17637	.427E-03
33	12682	.257E-03
34	8742	.122E-03
35	18611	.460E-03
36	14692	.326E-03
37	9345	.143E-03
38	17078	.407E-03
39	12416	.248E-03
40	8378	.110E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5414	.100E-03
2	7805	.157E-03
3	12593	.270E-03
4	14129	.306E-03
5	8874	.182E-03
6	4666	.825E-04
7	1958	.185E-04
8	2585	.333E-04
9	4867	.872E-04
10	12659	.271E-03
11	13653	.295E-03
12	7614	.152E-03
13	2287	.263E-04
14	1308	.314E-05
15	4973	.897E-04
16	8807	.180E-03
17	14714	.320E-03
18	13282	.286E-03
19	8830	.181E-03
20	3704	.597E-04
21	1831	.155E-04
22	3572	.566E-04
23	6164	.118E-03
24	11062	.234E-03
25	11353	.240E-03
26	9066	.186E-03
27	5506	.102E-03
28	3599	.573E-04
29	8118	.164E-03
30	10811	.228E-03
31	8553	.174E-03
32	14651	.318E-03
33	16450	.361E-03
34	9254	.191E-03
35	14017	.303E-03
36	14882	.324E-03
37	9110	.187E-03
38	13791	.298E-03
39	12513	.268E-03
40	8487	.173E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	2141	.410E-05
2	4345	.116E-04
3	8956	.274E-04
4	17670	.573E-04
5	16356	.528E-04
6	9677	.299E-04
7	3481	.869E-05
8	1492	.188E-05
9	2585	.562E-05
10	9762	.302E-04
11	20052	.654E-04
12	15631	.503E-04
13	4655	.127E-04
14	1712	.263E-05
15	3408	.844E-05
16	6292	.183E-04
17	15206	.488E-04
18	20875	.682E-04
19	16000	.515E-04
20	9345	.288E-04
21	4196	.111E-04
22	1977	.354E-05
23	4425	.119E-04
24	12204	.386E-04
25	18031	.585E-04
26	15195	.488E-04
27	10840	.339E-04
28	6863	.203E-04
29	5587	.159E-04
30	9906	.307E-04
31	13892	.443E-04
32	11555	.363E-04
33	20734	.678E-04
34	18177	.590E-04
35	13006	.413E-04
36	21697	.711E-04
37	16637	.537E-04
38	14815	.475E-04
39	19654	.641E-04
40	15799	.509E-04

TOTAL CONCENTRATION
(GM/M**3)

.284E-03
.515E-03
.651E-03
.575E-03
.321E-03
.141E-03
.330E-04
.106E-03
.296E-03
.761E-03
.645E-03
.323E-03
.497E-04
.577E-05
.276E-03
.544E-03
.815E-03
.635E-03
.364E-03
.122E-03
.312E-04
.177E-03
.354E-03
.576E-03
.496E-03
.345E-03
.176E-03
.977E-04
.450E-03
.390E-03
.265E-03
.781E-03
.685E-03
.372E-03
.804E-03
.721E-03
.384E-03
.753E-03
.580E-03
.333E-03

RUN # 221

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	.74 M/S	8.94 M/S
EXIT VEL.	2.50 M/S	29.77 M/S
VOL. FLOW	.29E+03 M3/S	.31E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.54E+04	
CALIBRATION FACTOR	.43E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	.74 M/S	8.94 M/S
EXIT VEL.	2.16 M/S	25.75 M/S
VOL. FLOW	.31E+03 M3/S	.33E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.10E+04	
CALIBRATION FACTOR	.23E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	.74 M/S	8.94 M/S
EXIT VEL.	2.05 M/S	24.37 M/S
VOL. FLOW	.28E+03 M3/S	.30E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.90E+03	
CALIBRATION FACTOR	.16E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	5617	.528E-05	1050	.102E-05	913	.620E-07	.636E-05
2	5525	.264E-05	1164	.380E-05	991	.501E-06	.694E-05
3	5580	.422E-05	1420	.100E-04	1305	.227E-05	.165E-04
4	5577	.413E-05	1597	.143E-04	1527	.352E-05	.220E-04
5	5509	.218E-05	1439	.105E-04	1694	.446E-05	.171E-04
6	5524	.261E-05	1237	.557E-05	1500	.337E-05	.116E-04
7	5474	.118E-05	1091	.202E-05	1156	.143E-05	.463E-05
8	5433	*****	1008	*****	902	*****	*****
9	5373	*****	892	*****	827	*****	*****
10	5610	.508E-05	1496	.119E-04	1426	.295E-05	.199E-04
11	5589	.447E-05	1726	.175E-04	2068	.657E-05	.285E-04
12	5576	.410E-05	1483	.116E-04	1765	.486E-05	.205E-04
13	5511	.224E-05	1152	.351E-05	1237	.189E-05	.763E-05
14	5415	*****	1009	.243E-07	1010	.609E-06	.633E-06
15	5534	.290E-05	997	*****	927	.141E-06	.304E-05
16	5660	.651E-05	1135	.309E-05	1102	.113E-05	.107E-04
17	5777	.986E-05	1465	.111E-04	1819	.517E-05	.262E-04
18	5750	.909E-05	1814	.196E-04	3548	.149E-04	.436E-04
19	5621	.539E-05	1533	.128E-04	2566	.938E-05	.275E-04
20	5530	.278E-05	1210	.492E-05	1799	.505E-05	.128E-04
21	5420	*****	1053	.110E-05	1170	.153E-05	.261E-05
22	5849	.119E-04	1087	.192E-05	948	.259E-06	.515E-04
23	6462	.295E-04	1257	.606E-05	1078	.992E-06	.366E-04
24	6660	.352E-04	1467	.112E-04	1809	.511E-05	.515E-04
25	6173	.212E-04	1859	.207E-04	5014	.232E-04	.651E-04
26	5791	.103E-04	1999	.241E-04	6618	.322E-04	.666E-04
27	5570	.393E-05	1684	.165E-04	5515	.260E-04	.464E-04
28	5541	.310E-05	1324	.769E-05	3644	.155E-04	.262E-04
29	5439	.172E-06	1108	.243E-05	1025	.693E-06	.330E-05
30	5435	.573E-07	1077	.168E-05	1059	.885E-06	.262E-05
31	5434	.287E-07	1211	.494E-05	1216	.177E-05	.674E-05
32	5534	.290E-05	1534	.128E-04	1427	.296E-05	.187E-04
33	5561	.367E-05	1663	.159E-04	1809	.511E-05	.247E-04
34	5521	.252E-05	1544	.130E-04	1964	.598E-05	.216E-04
35	5603	.487E-05	1529	.127E-04	1667	.431E-05	.219E-04
36	5659	.648E-05	1810	.195E-04	2973	.117E-04	.377E-04
37	5573	.401E-05	1509	.122E-04	2073	.660E-05	.228E-04
38	5916	.139E-04	1545	.131E-04	2074	.660E-05	.335E-04
39	5859	.122E-04	1752	.181E-04	3939	.171E-04	.474E-04
40	5711	.797E-05	1567	.136E-04	4124	.182E-04	.397E-04

RUN # 222

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	.76 M/S	8.94 M/S
EXIT VEL.	2.50 M/S	29.77 M/S
VOL. FLOW	.29E+03 M3/S	.31E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.47E+04	
CALIBRATION FACTOR	.42E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	.76 M/S	8.94 M/S
EXIT VEL.	2.16 M/S	25.75 M/S
VOL. FLOW	.31E+03 M3/S	.33E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.31E+03	
CALIBRATION FACTOR	.23E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	.76 M/S	8.94 M/S
EXIT VEL.	2.05 M/S	24.37 M/S
VOL. FLOW	.28E+03 M3/S	.30E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.25E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	4697	*****
2	4974	.656E-05
3	5544	.231E-04
4	5172	.123E-04
5	4812	.186E-05
6	4669	*****
7	4585	*****
8	4615	*****
9	4741	*****
10	5472	.210E-04
11	6000	.363E-04
12	5023	.798E-05
13	4640	*****
14	4617	*****
15	4785	.107E-05
16	5571	.239E-04
17	6427	.487E-04
18	6641	.549E-04
19	5505	.220E-04
20	4709	*****
21	4522	*****
22	5894	.333E-04
23	7303	.741E-04
24	7903	.916E-04
25	7026	.661E-04
26	5599	.247E-04
27	4864	.337E-05
28	4698	*****
29	4733	*****
30	4831	.241E-05
31	4711	*****
32	5584	.243E-04
33	5540	.230E-04
34	4973	.653E-05
35	5880	.329E-04
36	6526	.516E-04
37	5145	.115E-04
38	6802	.596E-04
39	6680	.561E-04
40	5465	.208E-04

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	409	.244E-05
2	644	.823E-05
3	1364	.260E-04
4	1706	.344E-04
5	1513	.296E-04
6	943	.156E-04
7	462	.374E-05
8	338	.690E-06
9	459	.367E-05
10	1481	.288E-04
11	2664	.580E-04
12	1523	.299E-04
13	572	.645E-05
14	317	.172E-06
15	418	.266E-05
16	830	.128E-04
17	1468	.285E-04
18	2227	.472E-04
19	1802	.368E-04
20	646	.828E-05
21	405	.234E-05
22	614	.749E-05
23	1059	.185E-04
24	1540	.303E-04
25	2039	.426E-04
26	1863	.383E-04
27	1196	.218E-04
28	740	.106E-04
29	718	.101E-04
30	1036	.179E-04
31	1076	.189E-04
32	1940	.402E-04
33	2215	.469E-04
34	1926	.398E-04
35	1643	.328E-04
36	2551	.552E-04
37	1649	.330E-04
38	1625	.324E-04
39	2158	.455E-04
40	1491	.291E-04

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	284	.205E-06
2	367	.679E-06
3	677	.245E-05
4	1481	.703E-05
5	1725	.842E-05
6	1173	.527E-05
7	499	.143E-05
8	257	.513E-07
9	325	.439E-06
10	799	.314E-05
11	2140	.108E-04
12	2950	.154E-04
13	748	.285E-05
14	285	.211E-06
15	278	.171E-06
16	519	.155E-05
17	1382	.647E-05
18	2704	.140E-04
19	3840	.205E-04
20	1118	.496E-05
21	575	.136E-05
22	319	.405E-06
23	567	.182E-05
24	1394	.654E-05
25	4771	.258E-04
26	6094	.333E-04
27	3924	.210E-04
28	1795	.882E-05
29	423	.998E-06
30	719	.269E-05
31	1039	.451E-05
32	1005	.432E-05
33	2088	.105E-04
34	2367	.121E-04
35	1164	.522E-05
36	2607	.135E-04
37	3069	.161E-04
38	1879	.930E-05
39	3741	.199E-04
40	2870	.150E-04

TOTAL CONCENTRATION (GM/M**3)
.264E-05
.155E-04
.515E-04
.537E-04
.399E-04
.209E-04
.518E-05
.741E-06
.411E-05
.530E-04
.105E-03
.533E-04
.931E-05
.383E-06
.391E-05
.382E-04
.837E-04
.116E-03
.792E-04
.132E-04
.421E-05
.412E-04
.944E-04
.128E-03
.134E-03
.963E-04
.462E-04
.194E-04
.110E-04
.230E-04
.234E-04
.687E-04
.804E-04
.584E-04
.709E-04
.120E-03
.606E-04
.101E-03
.122E-03
.649E-04

RUN # 223

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.76 M/S	8.94 M/S
EXIT VEL.	1.11 M/S	13.24 M/S
VOL. FLOW	.13E-03 M3/S	.14E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.58E+04	
CALIBRATION FACTOR	.43E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.76 M/S	8.94 M/S
EXIT VEL.	.96 M/S	11.42 M/S
VOL. FLOW	.14E-03 M3/S	.14E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.75E+03	
CALIBRATION FACTOR	.23E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.76 M/S	8.94 M/S
EXIT VEL.	.95 M/S	11.31 M/S
VOL. FLOW	.13E-03 M3/S	.14E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.86E+03	
CALIBRATION FACTOR	.16E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	7021	.370E-04	1294	.116E-04	1013	.471E-06	.491E-04
2	8170	.728E-04	2072	.283E-04	1205	.107E-05	.102E-03
3	8960	.975E-04	3259	.539E-04	1990	.352E-05	.155E-03
4	8945	.970E-04	6211	.117E-03	5747	.152E-04	.230E-03
5	7203	.427E-04	4574	.821E-04	5814	.154E-04	.140E-03
6	6233	.125E-04	2181	.307E-04	2542	.524E-05	.484E-04
7	5833	*****	1044	.625E-05	1337	.148E-05	.773E-05
8	6123	.904E-05	939	.400E-05	885	.717E-07	.131E-04
9	7043	.377E-04	1272	.112E-04	1023	.502E-06	.494E-04
10	9690	.120E-03	3334	.555E-04	2136	.397E-05	.180E-03
11	9263	.107E-03	5383	.995E-04	5681	.150E-04	.221E-03
12	6874	.324E-04	3153	.516E-04	5005	.129E-04	.969E-04
13	5886	.165E-05	1189	.937E-05	1860	.311E-05	.141E-04
14	5759	*****	824	.153E-05	935	.228E-06	.175E-05
15	7625	.559E-04	1652	.193E-04	1187	.101E-05	.762E-04
16	9842	.125E-03	2631	.404E-04	1543	.212E-05	.167E-03
17	11699	.183E-03	5354	.989E-04	3854	.933E-05	.291E-03
18	9525	.128E-03	5787	.108E-03	7454	.205E-04	.256E-03
19	7218	.432E-04	3512	.593E-04	7161	.196E-04	.122E-03
20	6232	.143E-04	2024	.273E-04	4653	.118E-04	.534E-04
21	5938	.327E-05	1143	.838E-05	2435	.490E-05	.166E-04
22	8209	.741E-04	1884	.243E-04	1229	.114E-05	.995E-04
23	10780	.154E-03	3254	.538E-04	2382	.474E-05	.213E-03
24	13096	.226E-03	4808	.872E-04	3543	.836E-05	.322E-03
25	10753	.153E-03	5828	.109E-03	9414	.267E-04	.289E-03
26	7913	.648E-04	5158	.947E-04	11756	.340E-04	.193E-03
27	6903	.334E-04	3520	.595E-04	8963	.253E-04	.118E-03
28	6303	.147E-04	2020	.272E-04	5468	.144E-04	.562E-04
29	8278	.762E-04	2546	.385E-04	1739	.273E-05	.117E-03
30	7063	.383E-04	3221	.530E-04	2583	.536E-05	.967E-04
31	6742	.283E-04	3934	.684E-04	4348	.109E-04	.108E-03
32	9631	.118E-03	3921	.681E-04	2486	.506E-05	.192E-03
33	9287	.108E-03	5728	.107E-03	6359	.171E-04	.232E-03
34	7277	.450E-04	4266	.755E-04	5475	.144E-04	.135E-03
35	10776	.154E-03	4069	.713E-04	2504	.512E-05	.230E-03
36	9554	.116E-03	5437	.101E-03	6163	.165E-04	.233E-03
37	7113	.399E-04	3449	.579E-04	5993	.160E-04	.114E-03
38	12458	.207E-03	5413	.100E-03	4230	.105E-04	.317E-03
39	10228	.137E-03	5527	.103E-03	7485	.206E-04	.260E-03
40	7229	.435E-04	3516	.594E-04	8097	.226E-04	.125E-03

RUN # 224

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	.75 M/S	13.41 M/S
EXIT VEL.	1.11 M/S	13.24 M/S
VOL. FLOW	.13E+03 M3/S	.14E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.49E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
	.75 M/S	13.41 M/S
	.36 M/S	11.42 M/S
	.14E+03 M3/S	.14E+03 M3/S
	.30E+05	.10E+01
	.35E+03	
	.22E-03	
	.4000E+03 (GM/SEC)	
	25.40 CM	76.20 M
	1.34 CM	4.02 M

	MODEL	PROTOTYPE
	.75 M/S	13.41 M/S
	.95 M/S	11.31 M/S
	.13E+03 M3/S	.14E+03 M3/S
	.20E+05	.10E+01

	.15E-03	
	.5500E+02 (GM/SEC)	
	25.40 CM	76.20 M
	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	4942	.822E-06
2	5011	.217E-05
3	5142	.474E-05
4	5045	.284E-05
5	4973	.143E-05
6	4940	.783E-06
7	4927	.529E-06
8	4913	.255E-06
9	5060	.313E-05
10	5306	.795E-05
11	5304	.791E-05
12	5043	.280E-05
13	4961	.119E-05
14	4943	.842E-06
15	5150	.490E-05
16	5434	.105E-04
17	5804	.177E-04
18	5725	.162E-04
19	5419	.102E-04
20	5117	.425E-05
21	4989	.174E-05
22	5216	.619E-05
23	5734	.163E-04
24	6038	.223E-04
25	6098	.235E-04
26	5599	.137E-04
27	5396	.971E-05
28	5140	.470E-05
29	4975	.147E-05
30	4922	.431E-06
31	4964	.125E-05
32	5303	.789E-05
33	5146	.482E-05
34	5041	.276E-05
35	5536	.125E-04
36	5488	.115E-04
37	5211	.609E-05
38	5905	.197E-04
39	5887	.193E-04
40	5494	.116E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
1	*****
1	*****
815	.626E-05
725	.505E-05
655	.411E-05
620	.364E-05
1	*****
375	.337E-06
606	.345E-05
1027	.912E-05
1076	.978E-05
720	.498E-05
548	.267E-05
395	.606E-06
723	.502E-05
1124	.104E-04
1770	.191E-04
1641	.174E-04
1128	.105E-04
591	.325E-05
1	*****
804	.611E-05
1497	.154E-04
1964	.217E-04
1945	.215E-04
1312	.130E-04
1002	.878E-05
678	.442E-05
638	.388E-05
542	.259E-05
820	.633E-05
1080	.983E-05
1102	.101E-04
976	.843E-05
1428	.145E-04
1367	.137E-04
962	.824E-05
1993	.221E-04
1944	.215E-04
1222	.117E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
1	.197E-08
1	.197E-08
944	.186E-05
954	.188E-05
975	.192E-05
957	.189E-05
782	.154E-05
1	.197E-08
624	.123E-05
1061	.209E-05
1338	.264E-05
1076	.212E-05
781	.154E-05
1	.197E-08
771	.152E-05
1103	.218E-05
1717	.339E-05
1671	.330E-05
1238	.244E-05
702	.139E-05
1	.197E-08
816	.161E-05
1411	.278E-05
1883	.372E-05
1887	.372E-05
1330	.262E-05
974	.192E-05
709	.140E-05
703	.139E-05
705	.139E-05
1187	.234E-05
1188	.234E-05
1425	.281E-05
1477	.291E-05
1498	.296E-05
1641	.324E-05
1355	.267E-05
1878	.371E-05
1929	.381E-05
1331	.263E-05

TOTAL CONCENTRATION (GM/M**3)
.824E-06
.218E-05
.129E-04
.977E-05
.746E-05
.631E-05
.207E-05
.593E-06
.781E-05
.192E-04
.203E-04
.991E-05
.540E-05
.145E-05
.114E-04
.231E-04
.402E-04
.368E-04
.231E-04
.989E-05
.174E-05
.139E-04
.346E-04
.477E-04
.137E-04
.293E-04
.204E-04
.105E-04
.673E-05
.441E-05
.993E-05
.201E-04
.178E-04
.141E-04
.299E-04
.285E-04
.170E-04
.455E-04
.446E-04
.260E-04

RUN # 225

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.76 M/S	8.94 M/S
EXIT VEL.	1.11 M/S	13.24 M/S
VOL. FLOW	.13E-03 M3/S	.14E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.58E+04	
CALIBRATION FACTOR	.43E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.76 M/S	8.94 M/S
EXIT VEL.	.96 M/S	11.42 M/S
VOL. FLOW	.14E-03 M3/S	.14E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.23E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.76 M/S	8.94 M/S
EXIT VEL.	.95 M/S	11.31 M/S
VOL. FLOW	.13E-03 M3/S	.14E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.10E+04	
CALIBRATION FACTOR	.16E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	5804	*****	1182	.924E-06	1111	.199E-06	.112E-05
2	6366	.166E-04	1525	.830E-05	1362	.982E-06	.259E-04
3	6572	.230E-04	2269	.243E-04	2018	.303E-05	.503E-04
4	6897	.332E-04	3436	.494E-04	4367	.103E-04	.929E-04
5	6407	.179E-04	3095	.420E-04	4915	.121E-04	.720E-04
6	6008	.546E-05	2172	.222E-04	4356	.103E-04	.380E-04
7	5831	*****	1489	.752E-05	2183	.354E-05	.111E-04
8	5833	*****	1139	*****	1047	*****	*****
9	5835	.623E-07	1081	*****	1028	*****	.623E-07
10	6809	.304E-04	2339	.258E-04	1904	.267E-05	.589E-04
11	7468	.510E-04	4190	.656E-04	5271	.132E-04	.130E-03
12	6603	.240E-04	3130	.428E-04	5599	.142E-04	.810E-04
13	5929	.299E-05	1827	.148E-04	4428	.105E-04	.283E-04
14	5839	.187E-06	1332	.415E-05	2147	.343E-05	.776E-05
15	6307	.149E-04	1371	.499E-05	1133	.268E-06	.200E-04
16	7348	.472E-04	1836	.150E-04	1385	.105E-05	.633E-04
17	8454	.817E-04	2995	.399E-04	3539	.777E-05	.129E-03
18	8293	.767E-04	4404	.702E-04	6582	.173E-04	.164E-03
19	6930	.342E-04	3615	.532E-04	7356	.197E-04	.107E-03
20	6208	.117E-04	2576	.309E-04	6110	.158E-04	.584E-04
21	5910	.240E-05	1761	.134E-04	3899	.889E-05	.247E-04
22	6531	.218E-04	1426	.617E-05	1175	.399E-06	.283E-04
23	8032	.685E-04	2247	.238E-04	1523	.148E-05	.938E-04
24	10370	.141E-03	3518	.511E-04	3505	.766E-05	.200E-03
25	9026	.995E-04	4298	.679E-04	7903	.214E-04	.189E-03
26	7072	.386E-04	3902	.594E-04	9408	.261E-04	.124E-03
27	6450	.192E-04	3103	.422E-04	7952	.215E-04	.830E-04
28	6025	.598E-05	2008	.187E-04	4849	.119E-04	.365E-04
29	5985	.474E-05	1686	.118E-04	1477	.134E-05	.178E-04
30	5967	.418E-05	1941	.172E-04	1824	.242E-05	.238E-04
31	5997	.511E-05	2319	.254E-04	3180	.665E-05	.371E-04
32	7028	.373E-04	2694	.334E-04	2232	.369E-05	.744E-04
33	7299	.457E-04	3674	.545E-04	4630	.111E-04	.111E-03
34	6835	.312E-04	3561	.521E-04	5603	.142E-04	.975E-04
35	7276	.450E-04	2764	.349E-04	3099	.640E-05	.863E-04
36	7842	.626E-04	4353	.691E-04	5690	.145E-04	.146E-03
37	6707	.272E-04	3404	.487E-04	6118	.158E-04	.917E-04
38	9178	.104E-03	3180	.439E-04	3708	.829E-05	.156E-03
39	8639	.875E-04	4127	.642E-04	6796	.179E-04	.170E-03
40	6784	.296E-04	3314	.467E-04	7533	.202E-04	.966E-04

RUN # 226

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.94 M/S	11.18 M/S
EXIT VEL.	1.11 M/S	13.24 M/S
VOL. FLOW	.13E-03M3/S	.14E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.61E+04	
CALIBRATION FACTOR	.43E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	6436	.105E-04
2	8109	.621E-04
3	9760	.113E-03
4	10954	.150E-03
5	10096	.123E-03
6	7705	.496E-04
7	6584	.151E-04
8	6095	*****
9	7511	.437E-04
10	11749	.174E-03
11	13592	.231E-03
12	10428	.134E-03
13	7159	.328E-04
14	6215	.370E-05
15	5808	*****
16	11743	.174E-03
17	14147	.248E-03
18	14686	.265E-03
19	11205	.158E-03
20	8305	.681E-04
21	6935	.259E-04
22	8753	.819E-04
23	10941	.149E-03
24	14011	.244E-03
25	13076	.215E-03
26	10205	.127E-03
27	8097	.617E-04
28	6661	.174E-04
29	7327	.380E-04
30	7222	.347E-04
31	7081	.304E-04
32	11845	.177E-03
33	12366	.193E-03
34	10947	.150E-03
35	13105	.216E-03
36	13863	.239E-03
37	10947	.150E-03
38	14381	.255E-03
39	14234	.251E-03
40	10716	.142E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.94 M/S	11.18 M/S
EXIT VEL.	.96 M/S	11.42 M/S
VOL. FLOW	.14E-03M3/S	.14E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.56E+03	
CALIBRATION FACTOR	.23E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1436	.186E-04
4206	.775E-04
8713	.173E-03
13626	.278E-03
14662	.300E-03
8902	.177E-03
4025	.737E-04
768	.444E-05
2334	.377E-04
5716	.195E-03
15239	.312E-03
12613	.256E-03
5561	.106E-03
1589	.219E-04
461	*****
5787	.111E-03
10949	.221E-03
14861	.304E-03
12536	.255E-03
7333	.144E-03
2768	.470E-04
2733	.462E-04
5048	.954E-04
9933	.199E-03
12520	.254E-03
9381	.188E-03
4947	.933E-04
2214	.552E-04
4363	.809E-04
6276	.122E-03
8426	.167E-03
10927	.220E-03
14412	.294E-03
14725	.301E-03
10572	.213E-03
14568	.298E-03
12806	.260E-03
10679	.215E-03
14003	.286E-03
11094	.224E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.94 M/S	11.18 M/S
EXIT VEL.	.95 M/S	11.31 M/S
VOL. FLOW	.13E-03M3/S	.14E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.68E+03	
CALIBRATION FACTOR	.16E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1164	.151E-05
3524	.878E-05
9282	.265E-04
17243	.511E-04
21732	.649E-04
*****	*****
9886	.284E-04
952	.544E-06
1708	.318E-05
9045	.258E-04
21378	.638E-04
23054	.690E-04
12646	.369E-04
4054	.104E-04
593	*****
5467	.148E-04
12276	.358E-04
22569	.675E-04
22421	.670E-04
14432	.424E-04
6271	.173E-04
2286	.497E-05
5077	.136E-04
10716	.310E-04
18277	.543E-04
15110	.445E-04
8839	.252E-04
4286	.111E-04
3951	.101E-04
6730	.187E-04
11736	.341E-04
11529	.335E-04
18479	.549E-04
23608	.707E-04
11701	.340E-04
21204	.633E-04
25782	.682E-04
25478	.366E-04
21286	.635E-04
19435	.578E-04

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.307E-04
.148E-03
.313E-03
.479E-03
.488E-03
.227E-03
.117E-03
.499E-05
.846E-04
.395E-03
.607E-03
.459E-03
.176E-03
.360E-04

.300E-03
.505E-03
.636E-03
.479E-03
.255E-03
.901E-04
.133E-03
.258E-03
.474E-03
.524E-03
.359E-03
.180E-03
.638E-04
.129E-03
.175E-03
.232E-03
.431E-03
.543E-03
.521E-03
.463E-03
.601E-03
.478E-03
.507E-03
.600E-03
.424E-03

RUN # 227

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.14 M/S	8.94 M/S
EXIT VEL.	1.11 M/S	13.24 M/S
VOL. FLOW	.13E-03 M3/S	.14E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.55E+04	
CALIBRATION FACTOR	.42E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.14 M/S	8.94 M/S
EXIT VEL.	.96 M/S	11.42 M/S
VOL. FLOW	.14E-03 M3/S	.14E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.48E+03	
CALIBRATION FACTOR	.23E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.14 M/S	8.94 M/S
EXIT VEL.	.95 M/S	11.31 M/S
VOL. FLOW	.13E-03 M3/S	.14E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.33E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	7010	.710E-04	3000	.801E-04	1395	.490E-05	.156E-03
2	12037	.303E-03	14270	.438E-03	7749	.342E-04	.775E-03
3	21821	.753E-03	38410	.121E-02	21819	.990E-04	.206E-02
4	24537	.879E-03	57498	.181E-02	40276	.184E-03	.287E-02
5	18589	.604E-03	53907	.170E-02	53184	.244E-03	.255E-02
6	10669	.240E-03	33136	.104E-02	44048	.201E-03	.148E-02
7	7304	.845E-04	16976	.524E-03	27483	.125E-03	.734E-03
8	5644	.802E-05	868	.124E-04	586	.117E-05	.216E-04
9	11887	.296E-03	10485	.318E-03	5479	.237E-04	.637E-03
10	25350	.916E-03	33454	.105E-02	21042	.954E-04	.206E-02
11	30770	.117E-02	53027	.167E-02	44445	.203E-03	.304E-02
12	19834	.662E-03	41320	.130E-02	44939	.206E-03	.216E-02
13	9305	.177E-03	18426	.570E-03	25831	.117E-03	.864E-03
14	5488	.829E-06	4271	.120E-03	8112	.359E-04	.157E-03
15	4711	*****	190	*****	350	.875E-07	.875E-07
16	19626	.652E-03	16547	.510E-03	11481	.514E-04	.121E-02
17	28474	.106E-02	30508	.954E-03	25074	.114E-03	.213E-02
18	27988	.104E-02	37798	.119E-02	36294	.166E-03	.239E-02
19	16701	.517E-03	25909	.808E-03	29488	.134E-03	.146E-02
20	9670	.194E-03	13194	.404E-03	18747	.849E-04	.682E-03
21	5972	.231E-04	4463	.127E-03	7791	.344E-04	.184E-03
22	7444	.910E-04	2241	.560E-04	1526	.551E-05	.152E-03
23	12476	.323E-03	7772	.232E-03	5990	.261E-04	.81E-03
24	21759	.751E-03	21066	.654E-03	18255	.826E-04	.149E-02
25	18932	.620E-03	22565	.702E-03	23768	.108E-03	.143E-02
26	11104	.260E-03	12850	.393E-03	16520	.746E-04	.127E-03
27	7161	.779E-04	5741	.167E-03	8873	.394E-04	.284E-03
28	5900	.198E-04	2595	.673E-04	4533	.194E-04	.106E-03
29	11768	.290E-03	21996	.684E-03	11137	.498E-04	.102E-02
30	11405	.273E-03	31008	.970E-03	19377	.878E-04	.133E-02
31	9970	.207E-03	40806	.128E-02	36613	.167E-03	.156E-02
32	26744	.980E-03	41545	.130E-02	24002	.109E-03	.153E-02
33	30800	.117E-02	56956	.179E-02	42009	.192E-03	.153E-02
34	23196	.817E-03	53606	.169E-02	51796	.237E-03	.274E-02
35	27976	.104E-02	31828	.996E-03	23552	.107E-03	.214E-02
36	29421	.110E-02	44480	.140E-02	40803	.186E-03	.269E-02
37	18756	.612E-03	34428	.108E-02	38461	.176E-03	.187E-02
38	27832	.103E-02	29143	.911E-03	24231	.110E-03	.205E-02
39	24921	.896E-03	32363	.101E-02	31822	.145E-03	.205E-02
40	14361	.410E-03	19668	.610E-03	23437	.106E-03	.113E-02

RUN # 227R

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.13 M/S	13.41 M/S
EXIT VEL.	1.11 M/S	13.24 M/S
VOL. FLOW	.13E-03 M3/S	.14E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.60E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.13 M/S	13.41 M/S
EXIT VEL.	.96 M/S	11.42 M/S
VOL. FLOW	.14E-03 M3/S	.14E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.13 M/S	13.41 M/S
EXIT VEL.	.95 M/S	11.31 M/S
VOL. FLOW	.13E-03 M3/S	.14E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.98E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	8361	.701E-04
2	16523	.310E-03
3	25606	.578E-03
4	28816	.672E-03
5	24961	.559E-03
6	13680	.227E-03
7	8595	.770E-04
8	6606	.185E-04
9	15782	.289E-03
10	29391	.689E-03
11	34127	.828E-03
12	22895	.498E-03
13	10575	.135E-03
14	6716	.217E-04
15	11004	.148E-03
16	1	*****
17	30929	.734E-03
18	31671	.756E-03
19	21231	.449E-03
20	11089	.150E-03
21	7300	.389E-04
22	8413	.716E-04
23	14015	.237E-03
24	22107	.475E-03
25	22646	.491E-03
26	13604	.224E-03
27	8095	.623E-04
28	6984	.296E-04
29	12078	.180E-03
30	15669	.285E-03
31	1	*****
32	29798	.701E-03
33	32531	.781E-03
34	25686	.580E-03
35	30874	.733E-03
36	33305	.804E-03
37	24243	.538E-03
38	29165	.682E-03
39	28491	.663E-03
40	17870	.350E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	4334	.652E-04
2	16027	.302E-03
3	32871	.644E-03
4	48422	.960E-03
5	51648	.103E-02
6	34245	.672E-03
7	15461	.291E-03
8	1984	.175E-04
9	12196	.225E-03
10	30397	.594E-03
11	47180	.935E-03
12	41075	.811E-03
13	18304	.349E-03
14	3850	.554E-04
15	6474	.109E-03
16	1	*****
17	31256	.612E-03
18	39198	.773E-03
19	29871	.583E-03
20	14318	.268E-03
21	4632	.712E-04
22	3550	.493E-04
23	9332	.167E-03
24	21331	.410E-03
25	25765	.500E-03
26	14681	.275E-03
27	5759	.941E-04
28	3373	.457E-04
29	20938	.402E-03
30	32145	.630E-03
31	1	*****
32	34054	.668E-03
33	49772	.987E-03
34	49388	.979E-03
35	31231	.611E-03
36	43734	.865E-03
37	36406	.716E-03
38	30124	.589E-03
39	34526	.678E-03
40	22531	.434E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	2853	.552E-05
2	9883	.262E-04
3	26081	.739E-04
4	54265	.157E-03
5	69803	.203E-03
6	60761	.176E-03
7	34957	.100E-03
8	1616	.188E-05
9	7483	.192E-04
10	26149	.741E-04
11	54594	.158E-03
12	63100	.183E-03
13	34398	.984E-04
14	7738	.199E-04
15	3993	.888E-05
16	12786	.348E-04
17	29233	.832E-04
18	46144	.133E-03
19	40843	.117E-03
20	21672	.609E-04
21	7142	.181E-04
22	2449	.434E-05
23	6594	.165E-04
24	19536	.546E-04
25	28086	.798E-04
26	18630	.520E-04
27	7927	.205E-04
28	4352	.994E-05
29	13815	.378E-04
30	31911	.910E-04
31	52445	.151E-03
32	29205	.831E-04
33	54673	.158E-03
34	66008	.191E-03
35	27456	.779E-04
36	50037	.144E-03
37	50569	.146E-03
38	28221	.802E-04
39	39419	.113E-03
40	31075	.886E-04

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.141E-03
2	.639E-03
3	.130E-02
4	.179E-02
5	.179E-02
6	.107E-02
7	.468E-03
8	.378E-04
9	.532E-03
10	.136E-02
11	.192E-02
12	.149E-02
13	.582E-03
14	.970E-04
15	.265E-03
16	.348E-04
17	.143E-02
18	.166E-02
19	.115E-02
20	.479E-03
21	.128E-03
22	.125E-03
23	.420E-03
24	.939E-03
25	.107E-02
26	.552E-03
27	.177E-03
28	.852E-04
29	.619E-03
30	.101E-02
31	.151E-03
32	.145E-02
33	.193E-02
34	.175E-02
35	.142E-02
36	.181E-02
37	.140E-02
38	.135E-02
39	.145E-02
40	.873E-03

RUN # 231

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.79 M/S	8.94 M/S
EXIT VEL.	2.48 M/S	28.02 M/S
VOL. FLOW	.29E+03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.48E+04	
CALIBRATION FACTOR	.42E+03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	4829	.237E-05
2	4849	.297E-05
3	4926	.528E-05
4	4921	.513E-05
5	4952	.606E-05
6	4804	.162E-05
7	4818	.204E-05
8	4750	*****
9	4892	.426E-05
10	5119	.111E-04
11	5048	.893E-05
12	4918	.504E-05
13	4838	.264E-05
14	4797	.141E-05
15	4981	.693E-05
16	5120	.111E-04
17	5345	.178E-04
18	5158	.122E-04
19	4966	.648E-05
20	4833	.249E-05
21	4737	*****
22	5579	.249E-04
23	5941	.357E-04
24	6265	.454E-04
25	5517	.230E-04
26	5155	.121E-04
27	5018	.803E-05
28	4921	.513E-05
29	4790	.120E-05
30	4808	.174E-05
31	4803	.159E-05
32	4991	.722E-05
33	4943	.579E-05
34	4942	.576E-05
35	5089	.102E-04
36	5073	.968E-05
37	5001	.752E-05
38	5555	.241E-04
39	5190	.132E-04
40	4974	.672E-05

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.79 M/S	8.94 M/S
EXIT VEL.	2.14 M/S	24.24 M/S
VOL. FLOW	.30E+03 M3/S	.31E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.44E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
438	.254E-07
556	.303E-05
876	.112E-04
1179	.189E-04
1008	.145E-04
629	.489E-05
494	.145E-05
411	*****
535	.249E-05
1233	.203E-04
1522	.276E-04
1112	.172E-04
618	.481E-05
456	.483E-06
455	.458E-06
871	.110E-04
1439	.255E-04
1640	.308E-04
1239	.204E-04
725	.733E-05
532	.242E-05
633	.499E-05
840	.103E-04
1407	.247E-04
1656	.310E-04
1809	.349E-04
1592	.294E-04
1050	.156E-04
576	.354E-05
595	.402E-05
650	.542E-05
1189	.191E-04
1510	.273E-04
1371	.238E-04
1365	.236E-04
1631	.304E-04
1324	.206E-04
1419	.250E-04
1601	.296E-04
1196	.193E-04

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.79 M/S	8.94 M/S
EXIT VEL.	2.03 M/S	22.93 M/S
VOL. FLOW	.28E+03 M3/S	.28E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.60E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
592	*****
710	.660E-06
1001	.237E-05
1457	.506E-05
1490	.525E-05
1255	.387E-05
885	.169E-05
583	*****
693	.559E-06
1315	.422E-05
1950	.796E-05
1848	.736E-05
1099	.295E-05
722	.730E-06
752	.907E-06
1079	.283E-05
1928	.783E-05
3268	.157E-04
2816	.131E-04
1763	.686E-05
964	.216E-05
684	.506E-06
953	.209E-05
2172	.927E-05
5025	.261E-04
6103	.324E-04
4946	.256E-04
3126	.149E-04
738	.825E-06
769	.101E-05
1003	.239E-05
1310	.419E-05
1915	.776E-05
2138	.907E-05
1665	.628E-05
2149	.913E-05
2289	.996E-05
2324	.102E-04
4113	.207E-04
3691	.182E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.239E-05
.666E-05
.188E-04
.291E-04
.258E-04
.104E-04
.518E-05

.731E-05
.355E-04
.445E-04
.236E-04
.102E-04
.262E-05
.829E-05
.250E-04
.512E-04
.586E-04
.399E-04
.157E-04
.457E-05
.503E-04
.481E-04
.794E-04
.801E-04
.795E-04
.630E-04
.356E-04
.556E-05
.677E-05
.939E-05
.306E-04
.408E-04
.386E-04
.401E-04
.492E-04
.401E-04
.593E-04
.635E-04
.442E-04

RUN # 232

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

MODEL PROTOTYPE

MODEL PROTOTYPE

MODEL PROTOTYPE

STACK HT. VEL. .99 M/S 11.18 M/S
EXIT VEL. 2.48 M/S 28.02 M/S
VOL. FLOW .29E+03M3/S .29E+03M3/S
SOURCE STRENGTH .40E+05 .10E+01
BACKGROUND .47E+04
CALIBRATION FACTOR .42E-03
SO2 FLUX .8500E+03 (GM/SEC)
STACK HEIGHT 25.40 CM 76.20 M
STACK DIAMETER 1.22 CM 3.66 M

.99 M/S 11.18 M/S
2.14 M/S 24.24 M/S
.30E-03M3/S .31E+03M3/S
.30E+05 .10E+01
.35E+03
.22E-03
.1050E+04 (GM/SEC)
25.40 CM 76.20 M
1.34 CM 4.02 M

.99 M/S 11.18 M/S
2.03 M/S 22.93 M/S
.28E-03M3/S .28E+03M3/S
.20E+05 .10E+01
.37E+03
.15E-03
.2200E+03 (GM/SEC)
25.40 CM 76.20 M
1.32 CM 3.96 M

SAMPLE PT. RAW (AREA) CONCENTRATION (GM/M**3)

RAW (AREA) CONCENTRATION (GM/M**3)

RAW (AREA) CONCENTRATION (GM/M**3)

TOTAL CONCENTRATION (GM/M**3)

1 4659 *****
2 4765 .279E-05
3 5062 .117E-04
4 5172 .150E-04
5 4991 .958E-05
6 4814 .427E-05
7 4687 .451E-06
8 4672 *****
9 4973 .904E-05
10 5809 .342E-04
11 5808 .341E-04
12 5224 .166E-04
13 4795 .370E-05
14 4686 .421E-06
15 5134 .139E-04
16 6154 .445E-04
17 6924 .677E-04
18 6410 .522E-04
19 5205 .160E-04
20 4849 .532E-05
21 4712 .120E-05
22 6311 .492E-04
23 7895 .968E-04
24 8317 .110E-03
25 6756 .626E-04
26 5402 .219E-04
27 5074 .121E-04
28 4840 .505E-05
29 4700 .841E-06
30 4712 .120E-05
31 4714 .126E-05
32 5451 .234E-04
33 5380 .213E-04
34 5166 .148E-04
35 6151 .444E-04
36 6240 .471E-04
37 5221 .165E-04
38 7430 .829E-04
39 6441 .531E-04
40 5327 .197E-04

459 .280E-05
1047 .178E-04
2511 .551E-04
2925 .657E-04
2697 .599E-04
1634 .328E-04
738 .992E-05
393 .112E-05
908 .143E-04
3381 .773E-04
4958 .118E-03
3079 .696E-04
1100 .192E-04
450 .256E-05
744 .101E-04
2428 .530E-04
4946 .117E-03
5060 .120E-03
2760 .615E-04
1338 .252E-04
652 .773E-05
1143 .202E-04
2485 .545E-04
3929 .913E-04
4377 .103E-03
2655 .588E-04
1607 .321E-04
957 .155E-04
900 .141E-04
1271 .235E-04
1259 .232E-04
3364 .769E-04
4079 .951E-04
3733 .863E-04
3777 .874E-04
5377 .128E-03
3221 .732E-04
4867 .115E-03
4748 .112E-03
2611 .577E-04

355 *****
823 .269E-05
1953 .936E-05
4319 .233E-04
5072 .278E-04
4037 .217E-04
1512 .676E-05
328 *****
765 .235E-05
4251 .229E-04
7163 .401E-04
6705 .374E-04
2287 .113E-04
572 .121E-05
678 .184E-05
2487 .125E-04
6679 .373E-04
9060 .513E-04
7191 .403E-04
4292 .232E-04
1314 .559E-05
796 .253E-05
1967 .944E-05
5722 .316E-04
9179 .520E-04
6971 .390E-04
4416 .239E-04
1941 .929E-05
706 .200E-05
1226 .507E-05
2092 .102E-04
2682 .137E-04
5757 .318E-04
6048 .335E-04
5136 .281E-04
8560 .484E-04
6979 .390E-04
6980 .390E-04
9498 .539E-04
7184 .402E-04

.280E-05
.233E-04
.762E-04
.104E-03
.972E-04
.587E-04
.171E-04
.112E-05
.256E-04
.134E-03
.192E-03
.124E-03
.342E-04
.421E-05
.258E-04
.110E-03
.222E-03
.224E-03
.118E-03
.517E-04
.145E-04
.120E-04
.161E-03
.232E-03
.217E-03
.120E-03
.681E-04
.298E-04
.169E-04
.298E-04
.346E-04
.114E-03
.148E-03
.135E-03
.160E-03
.224E-03
.129E-03
.237E-03
.219E-03
.118E-03

RUN # 233

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.19 M/S	13.41 M/S
EXIT VEL.	2.48 M/S	28.02 M/S
VOL. FLOW	.29E+03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.49E+04	
CALIBRATION FACTOR	.42E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.19 M/S	13.41 M/S
EXIT VEL.	2.14 M/S	24.24 M/S
VOL. FLOW	.30E+03 M3/S	.31E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.60E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.19 M/S	13.41 M/S
EXIT VEL.	2.03 M/S	22.93 M/S
VOL. FLOW	.28E+03 M3/S	.28E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.47E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	4973	.256E-05	1008	.103E-04	600	.769E-06	.137E-04
2	5587	.210E-04	3056	.627E-04	1698	.726E-05	.910E-04
3	6259	.413E-04	6947	.162E-03	6366	.349E-04	.238E-03
4	6489	.482E-04	10206	.245E-03	12438	.708E-04	.364E-03
5	5855	.291E-04	9656	.231E-03	15411	.884E-04	.349E-03
6	5069	.545E-05	5184	.117E-03	12287	.699E-04	.192E-03
7	4970	.247E-05	2268	.425E-04	6069	.331E-04	.781E-04
8	4888	*****	714	.281E-05	531	.361E-06	.317E-05
9	5643	.227E-04	2188	.405E-04	1570	.651E-05	.697E-04
10	8782	.117E-03	9144	.218E-03	9321	.523E-04	.388E-03
11	9363	.135E-03	14147	.346E-03	19664	.114E-03	.594E-03
12	6625	.523E-04	10006	.240E-03	20421	.118E-03	.411E-03
13	5238	.105E-04	4524	.100E-03	12312	.700E-04	.181E-03
14	4922	.102E-05	1265	.169E-04	3106	.156E-04	.335E-04
15	6083	.360E-04	1812	.309E-04	1604	.671E-05	.736E-04
16	9251	.131E-03	5358	.121E-03	6095	.333E-04	.286E-03
17	12229	.221E-03	11095	.268E-03	14820	.849E-04	.574E-03
18	11545	.200E-03	14825	.363E-03	22045	.128E-03	.691E-03
19	7992	.934E-04	10544	.257E-03	21611	.125E-03	.475E-03
20	5800	.275E-04	5187	.117E-03	13288	.758E-04	.220E-03
21	5071	.551E-05	2082	.378E-04	5442	.294E-04	.727E-04
22	6730	.555E-04	1796	.305E-04	1293	.487E-05	.908E-04
23	10442	.167E-03	4949	.111E-03	4862	.260E-04	.304E-03
24	14498	.289E-03	10524	.253E-03	12731	.725E-04	.615E-03
25	11664	.204E-03	12386	.301E-03	19454	.112E-03	.617E-03
26	8226	.100E-03	9683	.232E-03	18586	.107E-03	.440E-03
27	6411	.459E-04	5993	.138E-03	12813	.730E-04	.257E-03
28	5413	.158E-04	2906	.588E-04	6808	.375E-04	.112E-03
29	5125	.713E-05	2393	.457E-04	1324	.505E-05	.579E-04
30	5043	.467E-05	3174	.657E-04	2469	.118E-04	.822E-04
31	4900	.361E-06	3853	.830E-04	5606	.304E-04	.114E-03
32	7746	.860E-04	10423	.251E-03	10238	.578E-04	.395E-03
33	7796	.875E-04	12784	.311E-03	16489	.947E-04	.494E-03
34	6876	.598E-04	11590	.281E-03	20286	.117E-03	.458E-03
35	10443	.167E-03	11098	.268E-03	13468	.769E-04	.512E-03
36	10547	.170E-03	14657	.359E-03	21275	.123E-03	.653E-03
37	7370	.747E-04	10535	.254E-03	22018	.127E-03	.456E-03
38	12899	.241E-03	10826	.261E-03	15177	.870E-04	.589E-03
39	11949	.213E-03	13906	.340E-03	21062	.122E-03	.674E-03
40	8058	.954E-04	9857	.236E-03	19850	.115E-03	.447E-03

RUN # 234

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	.78 M/S	8.94 M/S
EXIT VEL.	1.10 M/S	12.46 M/S
VOL. FLOW	.13E+03 M3/S	.13E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.52E+04	
CALIBRATION FACTOR	.42E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	75.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
	.78 M/S	8.94 M/S
	.95 M/S	10.74 M/S
	.13E+03 M3/S	.14E+03 M3/S
	.30E+05	.10E+01
	.93E+03	
	.22E-03	
	.4000E+03 (GM/SEC)	
	25.40 CM	75.20 M
	1.34 CM	4.02 M

	MODEL	PROTOTYPE
	.78 M/S	8.94 M/S
	.94 M/S	10.64 M/S
	.13E+03 M3/S	.13E+03 M3/S
	.20E+05	.10E+01
	.88E+03	
	.15E-03	
	.5500E+02 (GM/SEC)	
	25.40 CM	75.20 M
	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5228	.204E-05
2	5597	.136E-04
3	6044	.276E-04
4	6500	.419E-04
5	6039	.274E-04
6	5450	.899E-05
7	5251	.276E-05
8	5163	*****
9	5584	.132E-04
10	7081	.601E-04
11	7565	.752E-04
12	5952	.250E-04
13	5369	.645E-05
14	5190	.846E-06
15	5653	.153E-04
16	6970	.566E-04
17	8339	.995E-04
18	8138	.932E-04
19	6487	.415E-04
20	5627	.145E-04
21	5211	.150E-05
22	6053	.279E-04
23	7469	.722E-04
24	8930	.118E-03
25	7209	.641E-04
26	6509	.422E-04
27	5732	.178E-04
28	5394	.724E-05
29	5542	.119E-04
30	5418	.799E-05
31	5360	.617E-05
32	6555	.436E-04
33	6980	.569E-04
34	6228	.334E-04
35	7924	.865E-04
36	8051	.905E-04
37	6187	.321E-04
38	8601	.108E-03
39	8074	.912E-04
40	6398	.387E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
1084	.333E-05
2279	.291E-04
4454	.761E-04
6326	.117E-03
6183	.113E-03
3477	.550E-04
1835	.196E-04
985	.119E-05
1656	.157E-04
5119	.905E-04
7780	.148E-03
4623	.798E-04
2243	.284E-04
1243	.676E-05
1208	.601E-05
2598	.360E-04
4965	.872E-04
6605	.123E-03
4679	.810E-04
2276	.291E-04
1299	.797E-05
1328	.860E-05
2255	.286E-04
4359	.741E-04
5019	.883E-04
3765	.612E-04
2675	.377E-04
1779	.183E-04
2702	.383E-04
3164	.483E-04
4116	.688E-04
5490	.985E-04
6780	.126E-03
6443	.119E-03
5034	.887E-04
7150	.134E-03
4534	.779E-04
5478	.983E-04
6281	.116E-03
4401	.750E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
916	.106E-06
1666	.246E-05
4340	.108E-04
6808	.186E-04
8693	.245E-04
6136	.165E-04
2451	.491E-05
922	.125E-06
1283	.126E-05
5023	.130E-04
9096	.257E-04
7132	.196E-04
4994	.129E-04
1739	.268E-05
1002	.376E-06
2546	.521E-05
7250	.199E-04
11286	.326E-04
9382	.266E-04
5575	.147E-04
3018	.669E-05
1121	.749E-06
1904	.320E-05
5837	.155E-04
9494	.270E-04
8495	.238E-04
6400	.173E-04
4118	.101E-04
1686	.252E-05
3572	.843E-05
5213	.136E-04
5354	.140E-04
7674	.213E-04
9286	.263E-04
6108	.164E-04
10026	.286E-04
8167	.228E-04
8376	.335E-04
11164	.322E-04
9660	.275E-04

TOTAL CONCENTRATION
(GM/M**3)

.547E-05
.452E-04
.115E-03
.177E-03
.165E-03
.805E-04
.272E-04
.131E-05
.301E-04
.164E-03
.249E-03
.124E-03
.477E-04
.103E-04
.217E-04
.978E-04
.207E-03
.248E-03
.148E-03
.583E-04
.162E-04
.372E-04
.104E-03
.208E-03
.179E-03
.127E-03
.728E-04
.357E-04
.527E-04
.647E-04
.886E-04
.156E-03
.205E-03
.179E-03
.192E-03
.253E-03
.133E-03
.233E-03
.233E-03
.141E-03

RUN # 235

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	.98 M/S	11.18 M/S
EXIT VEL.	1.10 M/S	12.46 M/S
VOL. FLOW	.13E-03M3/S	.13E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.52E+04	
CALIBRATION FACTOR	.42E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
	.98 M/S	11.18 M/S
	.95 M/S	10.74 M/S
	.13E-03M3/S	.14E+03M3/S
	.30E+05	.10E+01
	.58E+03	
	.22E-03	
	.4000E+03 (GM/SEC)	
	25.40 CM	76.20 M
	1.34 CM	4.02 M

	MODEL	PROTOTYPE
	.98 M/S	11.18 M/S
	.94 M/S	10.64 M/S
	.13E-03M3/S	.13E+03M3/S
	.20E+05	.10E+01
	.57E+03	
	.15E-03	
	.5500E+02 (GM/SEC)	
	25.40 CM	76.20 M
	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5179	.346E-06
2	7473	.725E-04
3	10543	.169E-03
4	10740	.175E-03
5	8378	.101E-03
6	6944	.559E-04
7	5560	.123E-04
8	5169	*****
9	7237	.651E-04
10	13063	.248E-03
11	13724	.269E-03
12	10007	.152E-03
13	6271	.347E-04
14	5145	*****
15	6523	.426E-04
16	13222	.253E-03
17	16872	.368E-03
18	14653	.298E-03
19	8967	.120E-03
20	6513	.423E-04
21	5761	.187E-04
22	6678	.475E-04
23	9836	.147E-03
24	15054	.311E-03
25	12696	.237E-03
26	8049	.907E-04
27	6448	.403E-04
28	5499	.104E-04
29	7160	.627E-04
30	7110	.611E-04
31	6279	.350E-04
32	12034	.216E-03
33	13033	.247E-03
34	10157	.157E-03
35	15433	.323E-03
36	14869	.305E-03
37	10144	.157E-03
38	16815	.367E-03
40	8869	.116E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
1141	.122E-04
5676	.111E-03
12587	.261E-03
18152	.381E-03
16971	.356E-03
11816	.244E-03
6028	.118E-03
753	.373E-05
22954	.515E-04
12741	.264E-03
20514	.433E-03
16928	.355E-03
6776	.134E-03
1916	.290E-04
1862	.278E-04
8845	.179E-03
16041	.336E-03
17659	.371E-03
11834	.244E-03
6266	.123E-03
2456	.407E-04
1730	.249E-04
5112	.983E-04
12944	.311E-03
13568	.282E-03
7702	.155E-03
4903	.938E-04
2226	.357E-04
7688	.154E-03
9483	.193E-03
11616	.240E-03
14806	.309E-03
20784	.438E-03
19269	.406E-03
14224	.296E-03
19524	.411E-03
15514	.324E-03
15894	.332E-03
10948	.225E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
816	.774E-06
2888	.729E-05
8386	.246E-04
18207	.555E-04
28217	.870E-04
21799	.668E-04
13965	.422E-04
657	.274E-06
1868	.408E-05
11961	.358E-04
28585	.882E-04
27896	.860E-04
14716	.445E-04
4951	.138E-04
1254	.215E-05
7381	.214E-04
17624	.537E-04
24999	.769E-04
21077	.645E-04
11495	.344E-04
4915	.137E-04
1196	.197E-05
4826	.134E-04
13653	.412E-04
18639	.569E-04
11966	.359E-04
7666	.223E-04
4105	.111E-04
5004	.140E-04
8332	.244E-04
19246	.588E-04
11927	.357E-04
25244	.776E-04
29983	.926E-04
13580	.409E-04
27810	.857E-04
26247	.808E-04
17166	.522E-04
18718	.571E-04

TOTAL CONCENTRATION (GM/M**3)
.133E-04
.190E-03
.454E-03
.612E-03
.544E-03
.367E-03
.173E-03
.481E-05
.121E-03
.548E-03
.790E-03
.593E-03
.214E-03
.428E-04
.454E-03
.758E-03
.746E-03
.428E-03
.200E-03
.730E-04
.744E-04
.259E-03
.621E-03
.576E-03
.281E-03
.156E-03
.572E-04
.201E-03
.279E-03
.333E-03
.561E-03
.764E-03
.655E-03
.660E-03
.802E-03
.561E-03
.751E-03
.399E-03

RUN # 236

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.19 M/S	13.41 M/S
EXIT VEL.	1.10 M/S	12.46 M/S
VOL. FLOW	.13E-03M3/S	.13E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.61E+04	
CALIBRATION FACTOR	.42E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	7063	.296E-04
2	15215	.289E-03
3	22585	.524E-03
4	26296	.642E-03
5	19800	.435E-03
6	11579	.173E-03
7	7579	.460E-04
8	6134	*****
9	11123	.165E-03
10	26569	.651E-03
11	32062	.826E-03
12	19597	.429E-03
13	10550	.141E-03
14	6289	.494E-05
15	8604	.787E-04
16	20622	.462E-03
17	27497	.681E-03
18	27293	.674E-03
19	19242	.418E-03
20	11296	.164E-03
21	7360	.391E-04
22	8328	.699E-04
23	14109	.254E-03
24	20813	.468E-03
25	19130	.414E-03
26	12391	.199E-03
27	9460	.106E-03
28	7161	.327E-04
29	10977	.154E-03
30	11367	.167E-03
31	10719	.146E-03
32	29107	.732E-03
33	29317	.739E-03
34	21031	.475E-03
35	28405	.709E-03
36	29763	.753E-03
37	21346	.485E-03
38	24944	.599E-03
39	24614	.589E-03
40	17323	.356E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.19 M/S	13.41 M/S
EXIT VEL.	.95 M/S	10.74 M/S
VOL. FLOW	.13E-03M3/S	.14E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.19E+04	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	4370	.544E-04
2	18672	.369E-03
3	33603	.697E-03
4	48774	.103E-02
5	47383	.100E-02
6	31033	.640E-03
7	14763	.283E-03
8	2510	.135E-04
9	8617	.148E-03
10	30666	.632E-03
11	48208	.102E-02
12	38459	.825E-03
13	18948	.375E-03
14	5263	.740E-04
15	4215	.510E-04
16	18130	.357E-03
17	29737	.612E-03
18	36019	.750E-03
19	28028	.574E-03
20	15448	.298E-03
21	6765	.107E-03
22	4329	.535E-04
23	11127	.203E-03
24	20623	.412E-03
25	22068	.443E-03
26	13883	.263E-03
27	8903	.154E-03
28	4525	.578E-04
29	19744	.392E-03
30	26245	.535E-03
31	39514	.825E-03
32	35643	.785E-03
33	48229	.102E-02
34	45431	.957E-03
35	32115	.664E-03
36	42183	.883E-03
37	36706	.765E-03
38	27038	.552E-03
39	31017	.640E-03
40	22930	.462E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.19 M/S	13.41 M/S
EXIT VEL.	.94 M/S	10.64 M/S
VOL. FLOW	.13E-03M3/S	.13E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.15E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	3614	.678E-05
2	12525	.352E-04
3	25476	.764E-04
4	43721	.135E-03
5	53463	.166E-03
6	44422	.137E-03
7	26663	.802E-04
8	2383	.285E-05
9	7591	.194E-04
10	27420	.826E-04
11	49561	.153E-03
12	50822	.157E-03
13	29828	.903E-04
14	8324	.218E-04
15	4144	.846E-05
16	14800	.424E-04
17	28281	.854E-04
18	38322	.117E-03
19	33583	.102E-03
20	20498	.606E-04
21	10161	.276E-04
22	3900	.769E-05
23	9489	.255E-04
24	19411	.571E-04
25	23979	.717E-04
26	16940	.492E-04
27	11465	.318E-04
28	5997	.144E-04
29	12468	.350E-04
30	20297	.599E-04
31	42206	.130E-03
32	30727	.931E-04
33	47998	.148E-03
34	57913	.180E-03
35	28977	.876E-04
36	45432	.140E-03
37	44724	.138E-03
38	26151	.786E-04
39	33777	.103E-03
40	27136	.817E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.908E-04
.693E-03
.130E-02
.181E-02
.160E-02
.950E-03
.409E-03
.164E-04
.332E-03
.137E-02
.200E-02
.141E-02
.606E-03
.101E-03
.138E-03
.861E-03
.138E-02
.154E-02
.109E-02
.523E-03
.174E-03
.131E-03
.482E-03
.936E-03
.929E-03
.512E-03
.292E-03
.105E-03
.581E-03
.762E-03
.110E-02
.161E-02
.190E-02
.161E-02
.146E-02
.178E-02
.139E-02
.123E-02
.133E-02
.900E-03

RUN # 236R

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.18 M/S	13.41 M/S
EXIT VEL.	1.10 M/S	12.46 M/S
VOL. FLOW	.13E-03M3/S	.13E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.52E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.18 M/S	13.41 M/S
EXIT VEL.	.95 M/S	10.74 M/S
VOL. FLOW	.13E-03M3/S	.14E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.58E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.18 M/S	13.41 M/S
EXIT VEL.	.94 M/S	10.64 M/S
VOL. FLOW	.13E-03M3/S	.13E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	*****	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	7041	.580E-04
2	16714	.359E-03
3	27161	.684E-03
4	33105	.869E-03
5	25999	.648E-03
6	16282	.346E-03
7	9289	.128E-03
8	5707	.165E-04
9	14167	.280E-03
10	30389	.785E-03
11	38806	.105E-02
12	26788	.673E-03
13	13390	.256E-03
14	6897	.536E-04
15	10198	.156E-03
16	22142	.528E-03
17	31795	.828E-03
18	33868	.893E-03
19	23631	.574E-03
20	13312	.253E-03
21	7304	.662E-04
22	7481	.717E-04
23	12960	.242E-03
24	23328	.565E-03
25	24488	.691E-03
26	14749	.398E-03
27	8160	.329E-04
28	6463	.401E-04
29	13975	.274E-03
30	17616	.387E-03
31	13489	.259E-03
32	31436	.817E-03
33	37729	.101E-02
34	31216	.810E-03
35	31168	.809E-03
36	37330	.100E-02
37	27291	.688E-03
38	29764	.765E-03
39	30482	.788E-03
40	20276	.470E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
4131	.759E-04
20220	.420E-03
41112	.868E-03
63344	.134E-02
65599	.140E-02
51514	.109E-02
25049	.524E-03
1458	.187E-04
9947	.200E-03
36245	.764E-03
57138	.121E-02
49651	.105E-02
25541	.534E-03
6285	.122E-03
5631	.108E-03
20495	.426E-03
36348	.766E-03
44198	.934E-03
35449	.747E-03
18938	.393E-03
6087	.118E-03
2884	.492E-04
9238	.185E-03
23937	.500E-03
28701	.602E-03
17094	.355E-03
6386	.124E-03
3087	.536E-04
29283	.615E-03
48760	.103E-02
56914	.123E-02
42445	.896E-03
60967	.129E-02
61218	.130E-02
36738	.774E-03
51406	.109E-02
44430	.939E-03
33407	.703E-03
38942	.821E-03
28352	.595E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
2777	.871E-05
12342	.387E-04
33128	.104E-03
60744	.190E-03
78225	.245E-03
73098	.229E-03
42384	.133E-03
1319	.414E-05
6958	.218E-04
30453	.955E-04
58287	.183E-03
65969	.207E-03
38552	.121E-03
9101	.285E-04
4229	.133E-04
15799	.495E-04
31099	.975E-04
43506	.136E-03
42329	.133E-03
25795	.809E-04
8504	.267E-04
2295	.720E-05
7409	.232E-04
20764	.651E-04
28059	.880E-04
19636	.616E-04
7902	.248E-04
3634	.114E-04
18338	.574E-04
38201	.120E-03
55114	.173E-03
37133	.116E-03
60253	.189E-03
72608	.228E-03
30888	.969E-04
50486	.158E-03
54898	.172E-03
28565	.896E-04
38304	.120E-03
33507	.105E-03

TOTAL CONCENTRATION (GM/M**3)
.143E-03
.818E-03
.166E-02
.240E-02
.229E-02
.167E-02
.185E-03
.394E-04
.302E-03
.164E-03
.244E-03
.193E-03
.911E-03
.204E-03
.278E-03
.100E-02
.169E-02
.196E-02
.145E-02
.727E-03
.211E-03
.128E-03
.451E-03
.113E-02
.129E-02
.713E-03
.242E-03
.105E-03
.946E-03
.154E-03
.164E-03
.883E-03
.234E-03
.168E-03
.225E-03
.180E-03
.156E-03
.173E-03
.117E-02

RUN # 241

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.83 M/S	8.94 M/S
EXIT VEL.	2.80 M/S	30.05 M/S
VOL. FLOW	.33E-03 M3/S	.32E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.46E+04	
CALIBRATION FACTOR	.42E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.83 M/S	8.94 M/S
EXIT VEL.	2.45 M/S	26.29 M/S
VOL. FLOW	.35E-03 M3/S	.33E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.42E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.83 M/S	8.94 M/S
EXIT VEL.	2.41 M/S	25.90 M/S
VOL. FLOW	.33E-03 M3/S	.32E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.43E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	4663	.106E-05	428	.187E-06	374	*****	.125E-05
2	4634	.251E-06	628	.486E-05	504	.388E-06	.550E-05
3	4715	.251E-05	1126	.165E-04	960	.278E-05	.218E-04
4	4876	.701E-05	1644	.286E-04	1691	.662E-05	.422E-04
5	4660	.977E-06	1597	.275E-04	2010	.829E-05	.368E-04
6	4754	.360E-05	982	.131E-04	1529	.577E-05	.225E-04
7	4612	*****	773	.825E-05	1126	.365E-05	.119E-04
8	4625	*****	391	*****	341	*****	*****
9	4642	.475E-06	730	.725E-05	621	.100E-05	.872E-05
10	5054	.120E-04	1731	.306E-04	1542	.584E-05	.485E-04
11	4856	.645E-05	2168	.409E-04	3356	.154E-04	.622E-04
12	4859	.653E-05	1932	.353E-04	3990	.187E-04	.606E-04
13	4598	*****	849	.100E-04	1435	.527E-05	.155E-04
14	4586	*****	474	.126E-05	547	.614E-06	.183E-05
15	4666	.114E-05	505	.199E-05	621	.100E-05	.413E-05
16	4960	.935E-05	985	.132E-04	816	.203E-05	.246E-04
17	5224	.167E-04	1662	.290E-04	1501	.562E-05	.514E-04
18	5234	.170E-04	2304	.440E-04	3912	.183E-04	.793E-04
19	4792	.466E-05	1736	.308E-04	3838	.179E-04	.533E-04
20	4695	.195E-05	968	.128E-04	1762	.699E-05	.218E-04
21	4594	*****	557	.320E-05	729	.157E-05	.477E-05
22	5232	.169E-04	586	.388E-05	516	.451E-06	.213E-04
23	5802	.329E-04	917	.116E-04	812	.200E-05	.465E-04
24	6112	.415E-04	1370	.222E-04	1265	.438E-05	.681E-04
25	5727	.308E-04	2426	.469E-04	5299	.256E-04	.103E-03
26	5044	.117E-04	2077	.387E-04	7233	.357E-04	.861E-04
27	4735	.307E-05	1448	.240E-04	5303	.256E-04	.527E-04
28	4652	.754E-06	826	.949E-05	3574	.165E-04	.267E-04
29	4545	*****	651	.540E-05	595	.866E-06	.627E-05
30	4686	.170E-05	1536	.261E-04	1449	.535E-05	.331E-04
31	4560	*****	1116	.163E-04	1490	.556E-05	.218E-04
32	4779	.430E-05	1432	.237E-04	1321	.468E-05	.326E-04
33	4763	.385E-05	1891	.344E-04	3060	.138E-04	.520E-04
34	4754	.360E-05	2222	.421E-04	4124	.194E-04	.651E-04
35	4988	.101E-04	1730	.306E-04	1606	.617E-05	.449E-04
36	5082	.128E-04	2317	.443E-04	3918	.183E-04	.754E-04
37	4812	.522E-05	1890	.344E-04	4033	.189E-04	.585E-04
38	5499	.244E-04	1899	.346E-04	1782	.710E-05	.661E-04
39	5375	.209E-04	2461	.477E-04	4490	.213E-04	.900E-04
40	5002	.105E-04	1903	.347E-04	4299	.203E-04	.655E-04

RUN # 242

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.04 M/S	11.18 M/S
EXIT VEL.	2.80 M/S	30.05 M/S
VOL. FLOW	.33E-03M3/S	.32E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.51E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5366	.832E-05
2	5675	.168E-04
3	6051	.271E-04
4	6401	.366E-04
5	5886	.225E-04
6	5229	.457E-05
7	5122	.164E-05
8	5062	*****
9	5543	.132E-04
10	7138	.568E-04
11	7986	.800E-04
12	6056	.272E-04
13	5382	.876E-05
14	5203	.386E-05
15	5706	.176E-04
16	7802	.750E-04
17	9359	.118E-03
18	8425	.920E-04
19	6331	.347E-04
20	5644	.159E-04
21	5054	*****
22	6030	.265E-04
23	7374	.633E-04
24	9796	.130E-03
25	8284	.882E-04
26	6104	.285E-04
27	5256	.531E-05
28	5004	*****
29	5064	.547E-07
30	5090	.766E-06
31	5003	*****
32	6935	.512E-04
33	7250	.599E-04
34	6378	.360E-04
35	7989	.801E-04
36	7886	.773E-04
37	6353	.353E-04
38	10144	.139E-03
39	8498	.940E-04
40	6432	.375E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.04 M/S	11.18 M/S
EXIT VEL.	2.45 M/S	26.29 M/S
VOL. FLOW	.35E-03M3/S	.33E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.18E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	646	.108E-04
2	2011	.420E-04
3	5032	.111E-03
4	7273	.163E-03
5	7047	.157E-03
6	4149	.910E-04
7	1519	.308E-04
8	278	.234E-05
9	2112	.444E-04
10	7089	.158E-03
11	12082	.273E-03
12	7320	.164E-03
13	2691	.576E-04
14	496	.733E-05
15	1012	.192E-04
16	4401	.968E-04
17	9522	.214E-03
18	10472	.236E-03
19	6409	.143E-03
20	2678	.573E-04
21	584	.935E-05
22	719	.124E-04
23	1968	.411E-04
24	6381	.142E-03
25	7430	.166E-03
26	3424	.744E-04
27	1400	.280E-04
28	548	.852E-05
29	1316	.261E-04
30	1662	.340E-04
31	2434	.517E-04
32	7462	.167E-03
33	10226	.230E-03
34	8472	.190E-03
35	8710	.196E-03
36	11662	.263E-03
37	7256	.162E-03
38	9272	.208E-03
39	9335	.210E-03
40	5925	.132E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.04 M/S	11.18 M/S
EXIT VEL.	2.41 M/S	25.90 M/S
VOL. FLOW	.33E-03M3/S	.32E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.68E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1031	.182E-05
2	1377	.360E-05
3	3613	.151E-04
4	6705	.310E-04
5	7518	.352E-04
6	5710	.259E-04
7	2620	.999E-05
8	741	.329E-06
9	2059	.711E-05
10	6310	.290E-04
11	11999	.582E-04
12	9224	.440E-04
13	4586	.201E-04
14	1098	.217E-05
15	1444	.395E-05
16	4841	.214E-04
17	9476	.453E-04
18	12521	.609E-04
19	10741	.518E-04
20	5689	.258E-04
21	1611	.480E-05
22	899	.114E-05
23	1923	.641E-05
24	8005	.377E-04
25	12212	.593E-04
26	8669	.411E-04
27	4708	.207E-04
28	1804	.580E-05
29	1228	.283E-05
30	1619	.485E-05
31	3523	.146E-04
32	6429	.296E-04
33	9319	.445E-04
34	8824	.419E-04
35	7597	.356E-04
36	11927	.579E-04
37	10068	.483E-04
38	9970	.478E-04
39	13479	.658E-04
40	10916	.527E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.209E-04
.624E-04
.153E-03
.230E-03
.215E-03
.121E-03
.424E-04
.267E-05
.646E-04
.244E-03
.411E-03
.235E-03
.865E-04
.134E-04
.407E-04
.193E-03
.377E-03
.389E-03
.229E-03
.990E-04
.142E-04
.401E-04
.111E-03
.309E-03
.314E-03
.144E-03
.541E-04
.143E-04
.290E-04
.397E-04
.664E-04
.248E-02
.335E-02
.268E-02
.311E-02
.398E-02
.246E-02
.395E-02
.370E-02
.222E-02

RUN # 243

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.24 M/S	13.41 M/S
EXIT VEL.	2.80 M/S	30.05 M/S
VOL. FLOW	.33E-03M3/S	.32E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.60E+04	
CALIBRATION FACTOR	.41E-03	
S02 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.24 M/S	13.41 M/S
EXIT VEL.	2.45 M/S	26.29 M/S
VOL. FLOW	.35E-03M3/S	.33E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.83E+03	
CALIBRATION FACTOR	.22E-03	
S02 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.24 M/S	13.41 M/S
EXIT VEL.	2.41 M/S	25.90 M/S
VOL. FLOW	.33E-03M3/S	.32E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.95E+03	
CALIBRATION FACTOR	.15E-03	
S02 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
S02 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	6358	.105E-04	2200	.313E-04	1291	.176E-05	.435E-04
2	6973	.272E-04	5733	.112E-03	2595	.843E-05	.147E-03
3	8605	.716E-04	13176	.281E-03	7605	.340E-04	.387E-03
4	8414	.664E-04	19614	.428E-03	13119	.622E-04	.556E-03
5	7514	.419E-04	17786	.386E-03	14990	.718E-04	.500E-03
6	6364	.107E-04	10300	.216E-03	11080	.518E-04	.278E-03
7	6009	.101E-05	4595	.858E-04	5902	.253E-04	.112E-03
8	6535	.153E-04	1613	.179E-04	1076	.665E-06	.339E-04
9	8301	.633E-04	6460	.128E-03	3923	.152E-04	.207E-03
10	12911	.189E-03	22241	.488E-03	14411	.688E-04	.745E-03
11	11713	.156E-03	28230	.624E-03	22890	.112E-03	.892E-03
12	8056	.567E-04	18346	.399E-03	19606	.954E-04	.551E-03
13	6407	.118E-04	7951	.162E-03	8674	.395E-04	.214E-03
14	3950	*****	1963	.259E-04	1982	.530E-05	.312E-04
15	9186	.874E-04	4713	.885E-04	2956	.103E-04	.186E-03
16	13762	.212E-03	15247	.328E-03	10320	.479E-04	.588E-03
17	17242	.307E-03	26917	.594E-03	22593	.111E-03	.101E-02
18	12391	.175E-03	24809	.546E-03	26814	.132E-03	.853E-03
19	8777	.763E-04	16205	.350E-03	20015	.975E-04	.524E-03
20	6781	.220E-04	7511	.152E-03	11076	.518E-04	.225E-03
21	6155	.498E-05	2830	.456E-04	4304	.172E-04	.678E-04
22	8868	.788E-04	3235	.548E-04	2178	.630E-05	.140E-03
23	12691	.183E-03	9799	.204E-03	7894	.355E-04	.423E-03
24	15575	.261E-03	20564	.449E-03	20526	.100E-03	.811E-03
25	11604	.153E-03	16239	.351E-03	21155	.103E-03	.607E-03
26	8451	.674E-04	9530	.198E-03	15151	.726E-04	.338E-03
27	7053	.294E-04	5453	.105E-03	9937	.460E-04	.181E-03
28	6326	.963E-05	2772	.443E-04	5625	.239E-04	.778E-04
29	6091	.324E-05	4447	.824E-04	2078	.579E-05	.915E-04
30	5991	.517E-06	5140	.982E-04	3468	.129E-04	.112E-03
31	5973	.272E-07	6708	.134E-03	6915	.305E-04	.164E-03
32	10933	.135E-03	21664	.474E-03	11268	.528E-04	.662E-03
33	9902	.107E-03	26186	.577E-03	17804	.862E-04	.771E-03
34	8061	.568E-04	20112	.439E-03	17670	.855E-04	.581E-03
35	14931	.244E-03	24816	.546E-03	17582	.851E-04	.875E-03
37	8697	.741E-04	19714	.430E-03	21598	.106E-03	.610E-03
38	16906	.297E-03	25675	.566E-03	23882	.117E-03	.980E-03
39	12018	.164E-03	20865	.456E-03	24119	.118E-03	.739E-03
40	8421	.666E-04	12440	.264E-03	17426	.843E-04	.415E-03

RUN # 243R

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
FREE STREAM VEL.	1.24 M/S	13.41 M/S
EXIT VEL.	2.80 M/S	30.05 M/S
VOL. FLOW	.33E-03 M3/S	.32E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.66E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
FREE STREAM VEL.	1.24 M/S	13.41 M/S
EXIT VEL.	2.45 M/S	26.29 M/S
VOL. FLOW	.35E-03 M3/S	.33E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.18E+04	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
FREE STREAM VEL.	1.24 M/S	13.41 M/S
EXIT VEL.	2.41 M/S	25.90 M/S
VOL. FLOW	.33E-03 M3/S	.32E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.15E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	7534	.264E-04	2748	.215E-04	2070	.302E-05	.509E-04
2	8280	.468E-04	4486	.613E-04	3017	.789E-05	.116E-03
3	9329	.755E-04	8922	.163E-03	5629	.213E-04	.260E-03
4	10451	.106E-03	12987	.256E-03	10587	.468E-04	.409E-03
5	9676	.849E-04	13612	.270E-03	13662	.626E-04	.418E-03
6	8279	.468E-04	8620	.156E-03	12472	.565E-04	.259E-03
7	7545	.267E-04	5027	.737E-04	6917	.279E-04	.128E-03
8	6852	.776E-05	2108	.689E-05	1678	.101E-05	.157E-04
9	8552	.542E-04	4312	.573E-04	3024	.792E-05	.119E-03
10	13239	.182E-03	11198	.215E-03	8728	.372E-04	.434E-03
11	13822	.198E-03	16224	.330E-03	17644	.830E-04	.611E-03
12	10636	.111E-03	14336	.287E-03	19361	.918E-04	.490E-03
13	8334	.483E-04	7048	.120E-03	9156	.394E-04	.208E-03
14	7908	.366E-04	3826	.462E-04	3744	.116E-04	.944E-04
15	8743	.594E-04	3521	.392E-04	2397	.470E-05	.103E-03
16	13276	.183E-03	8179	.146E-03	5994	.232E-04	.352E-03
17	18777	.334E-03	14707	.295E-03	14924	.691E-04	.698E-03
18	17479	.298E-03	17898	.368E-03	22518	.108E-03	.774E-03
19	12276	.156E-03	13082	.258E-03	19147	.907E-04	.505E-03
20	8869	.629E-04	7334	.126E-03	10068	.441E-04	.233E-03
21	7822	.343E-04	4240	.559E-04	4750	.168E-04	.107E-03
22	8671	.575E-04	3106	.297E-04	2012	.272E-05	.899E-04
23	12387	.159E-03	6380	.105E-03	4535	.157E-04	.279E-03
24	18043	.314E-03	12959	.255E-03	11991	.540E-04	.623E-03
25	16022	.258E-03	14383	.288E-03	18621	.880E-04	.634E-03
26	9926	.918E-04	8647	.157E-03	12253	.553E-04	.304E-03
27	8721	.588E-04	6232	.101E-03	8329	.352E-04	.195E-03
28	8316	.478E-04	4886	.704E-04	5576	.210E-04	.139E-03
29	7582	.277E-04	5318	.803E-04	3395	.983E-05	.118E-03
30	7728	.317E-04	6805	.114E-03	5314	.197E-04	.166E-03
31	7500	.255E-04	7557	.132E-03	8265	.348E-04	.192E-03
32	11321	.130E-03	10547	.200E-03	7473	.308E-04	.361E-03
33	11796	.143E-03	14683	.295E-03	13612	.623E-04	.500E-03
34	10930	.119E-03	15456	.312E-03	17701	.833E-04	.515E-03
35	16769	.279E-03	12636	.248E-03	12135	.547E-04	.581E-03
36	17225	.291E-03	18086	.372E-03	21546	.103E-03	.767E-03
37	12314	.157E-03	15007	.302E-03	20695	.987E-04	.558E-03
38	19299	.348E-03	14838	.298E-03	15269	.708E-04	.717E-03
39	17503	.299E-03	17302	.355E-03	22126	.106E-03	.759E-03
40	11534	.136E-03	11545	.223E-03	16946	.794E-04	.438E-03

RUN # 244
STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.84 M/S	8.94 M/S
EXIT VEL.	1.49 M/S	15.70 M/S
VOL. FLOW	.17E+03 M3/S	.17E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.61E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	6137	.438E-06
2	6543	.103E-04
3	6818	.170E-04
4	7212	.266E-04
5	7283	.283E-04
6	7024	.220E-04
7	7094	.237E-04
8	5849	*****
9	6293	.423E-05
10	7045	.225E-04
11	7491	.334E-04
12	7209	.265E-04
13	7096	.238E-04
14	7374	.305E-04
15	6450	.805E-05
16	7336	.296E-04
17	8176	.500E-04
18	7990	.455E-04
19	7511	.339E-04
20	7095	.237E-04
21	7227	.270E-04
22	6838	.175E-04
23	7579	.355E-04
24	9018	.705E-04
25	7836	.418E-04
26	7545	.347E-04
27	7420	.317E-04
28	7105	.240E-04
29	6723	.147E-04
30	6134	.365E-06
31	6954	.203E-04
32	7334	.296E-04
33	7543	.346E-04
34	7346	.299E-04
35	7712	.388E-04
36	7642	.371E-04
37	7334	.296E-04
38	8128	.489E-04
39	7862	.424E-04
40	7427	.318E-04

STACK #2

MODEL	PROTOTYPE
.84 M/S	8.94 M/S
1.27 M/S	13.39 M/S
.18E-03 M3/S	.17E+03 M3/S
.30E+05	.10E+01
.18E+04	
.22E-03	
.4000E+03 (GM/SEC)	
25.40 CM	76.20 M
1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1957	.222E-05
2628	.136E-04
3341	.256E-04
4367	.430E-04
4143	.392E-04
3642	.307E-04
3265	.244E-04
1630	*****
1971	.245E-05
3590	.299E-04
5150	.563E-04
4043	.375E-04
3533	.289E-04
3401	.267E-04
1607	*****
2661	.141E-04
4091	.383E-04
4998	.537E-04
4361	.429E-04
3569	.295E-04
3381	.263E-04
1846	.339E-06
2467	.108E-04
3931	.356E-04
4547	.461E-04
4371	.431E-04
3955	.360E-04
3445	.274E-04
3016	.201E-04
2450	.106E-04
3780	.331E-04
4076	.381E-04
4860	.514E-04
4456	.445E-04
3824	.338E-04
5298	.588E-04
4228	.407E-04
4023	.372E-04
4882	.517E-04
4246	.410E-04

STACK #3

MODEL	PROTOTYPE
.84 M/S	8.94 M/S
1.27 M/S	13.41 M/S
.17E-03 M3/S	.17E+03 M3/S
.20E+05	.10E+01
.20E+04	
.15E-03	
.5500E+02 (GM/SEC)	
25.40 CM	76.20 M
1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2169	.468E-06
2626	.159E-05
3380	.344E-05
4558	.632E-05
4875	.710E-05
4498	.618E-05
3712	.425E-05
1834	*****
2070	.226E-06
3643	.408E-05
6053	.999E-05
5742	.923E-05
4079	.515E-05
3453	.362E-05
1735	*****
2622	.158E-05
4580	.638E-05
7414	.133E-04
6917	.121E-04
4850	.704E-05
3577	.392E-05
1830	*****
2313	.821E-06
4218	.549E-05
7660	.139E-04
7797	.143E-04
5746	.924E-05
4404	.595E-05
3094	.274E-05
2794	.200E-05
4397	.593E-05
3881	.466E-05
5222	.795E-05
5896	.960E-05
4019	.500E-05
7011	.123E-04
6434	.109E-04
5035	.749E-05
7337	.146E-04
7371	.132E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.312E-05
.255E-04
.461E-04
.759E-04
.746E-04
.589E-04
.523E-04

.691E-05
.565E-04
.996E-04
.733E-04
.578E-04
.608E-04
.805E-05
.453E-04
.948E-04
.113E-03
.889E-04
.603E-04
.572E-04
.178E-04
.472E-04
.112E-03
.102E-03
.920E-04
.769E-04
.573E-04
.376E-04
.129E-04
.593E-04
.723E-04
.939E-04
.840E-04
.776E-04
.108E-03
.911E-04
.936E-04
.109E-03
.860E-04

RUN # 244R

STACK #1

MODEL	PROTOTYPE
STACK HT. VEL.	.84 M/S 8.94 M/S
EXIT VEL.	1.49 M/S 15.70 M/S
VOL. FLOW	.17E-03M3/S .17E+03M3/S
SOURCE STRENGTH	.40E+05 .10E+01
BACKGROUND	.54E+04
CALIBRATION FACTOR	.40E-03
SO2 FLUX	.4000E+03 (GM/SEC)
STACK HEIGHT	25.40 CM 76.20 M
STACK DIAMETER	1.22 CM 3.66 M

STACK #2

MODEL	PROTOTYPE
STACK HT. VEL.	.84 M/S 8.94 M/S
EXIT VEL.	1.27 M/S 13.39 M/S
VOL. FLOW	.18E-03M3/S .17E+03M3/S
SOURCE STRENGTH	.30E+05 .10E+01
BACKGROUND	.69E+03
CALIBRATION FACTOR	.22E-03
SO2 FLUX	.4000E+03 (GM/SEC)
STACK HEIGHT	25.40 CM 76.20 M
STACK DIAMETER	1.34 CM 4.02 M

STACK #3

MODEL	PROTOTYPE
STACK HT. VEL.	.84 M/S 8.94 M/S
EXIT VEL.	1.27 M/S 13.41 M/S
VOL. FLOW	.17E-03M3/S .17E+03M3/S
SOURCE STRENGTH	.20E+05 .10E+01
BACKGROUND	.88E+03
CALIBRATION FACTOR	.15E-03
SO2 FLUX	.3500E+02 (GM/SEC)
STACK HEIGHT	25.40 CM 76.20 M
STACK DIAMETER	1.32 CM 3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	5472	.133E-05	775	.140E-05	876	*****	.273E-05
2	5695	.674E-05	1305	.103E-04	1301	.103E-05	.181E-04
3	6125	.172E-04	2295	.270E-04	2195	.322E-05	.474E-04
4	6126	.172E-04	3050	.397E-04	3551	.653E-05	.634E-04
5	6032	.149E-04	2778	.352E-04	4338	.845E-05	.585E-04
6	5585	.407E-05	1679	.166E-04	3754	.702E-05	.277E-04
7	5399	*****	933	.406E-05	1834	.234E-05	.640E-05
8	5417	*****	711	.320E-06	865	*****	.320E-06
9	5791	.906E-05	1374	.115E-04	1232	.867E-06	.214E-04
10	6384	.234E-04	2754	.348E-04	2940	.504E-05	.632E-04
11	6825	.341E-04	3887	.538E-04	5080	.103E-04	.982E-04
12	6006	.143E-04	3163	.416E-04	5458	.112E-04	.671E-04
13	5499	.199E-05	1269	.973E-05	2751	.457E-05	.163E-04
14	5414	*****	728	.607E-06	1044	.408E-06	.103E-05
15	5708	.705E-05	824	.222E-05	988	.271E-06	.955E-05
16	6930	.367E-04	2071	.232E-04	2404	.373E-05	.635E-04
17	7729	.560E-04	3641	.497E-04	5385	.110E-04	.117E-03
18	7411	.483E-04	4466	.636E-04	9364	.207E-04	.133E-03
19	6231	.197E-04	3134	.412E-04	6950	.148E-04	.757E-04
20	5575	.383E-05	1330	.108E-04	3369	.608E-05	.207E-04
21	5423	.145E-06	878	.313E-05	1527	.159E-05	.487E-05
22	6925	.365E-04	1420	.123E-04	1288	.100E-05	.498E-04
23	8507	.749E-04	2509	.306E-04	2595	.419E-05	.110E-03
24	8829	.827E-04	3793	.523E-04	6219	.130E-04	.148E-03
25	7663	.544E-04	3884	.538E-04	8333	.182E-04	.126E-03
26	6069	.158E-04	2579	.318E-04	6415	.135E-04	.611E-04
27	5507	.218E-05	1375	.115E-04	3118	.547E-05	.192E-04
28	5467	.121E-05	1138	.752E-05	1996	.273E-05	.115E-04
29	5503	.208E-05	1215	.881E-05	1324	.109E-05	.120E-04
30	5546	.313E-05	1503	.137E-04	2053	.287E-05	.197E-04
31	5530	.274E-05	1895	.203E-04	2789	.467E-05	.277E-04
32	6491	.260E-04	3025	.493E-04	3007	.520E-05	.705E-04
33	6490	.260E-04	3664	.501E-04	4617	.913E-05	.852E-04
34	6023	.147E-04	3314	.442E-04	5416	.111E-04	.700E-04
35	6981	.379E-04	3133	.411E-04	3753	.702E-05	.861E-04
36	7045	.394E-04	4189	.589E-04	7773	.168E-04	.115E-03
37	6268	.206E-04	3208	.424E-04	6372	.134E-04	.764E-04
38	8306	.700E-04	3840	.531E-04	6279	.132E-04	.136E-03
39	7244	.443E-04	3888	.539E-04	9287	.205E-04	.119E-03
40	6173	.183E-04	2656	.331E-04	6198	.130E-04	.644E-04

RUN # 245

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.07 M/S	11.18 M/S
EXIT VEL.	1.49 M/S	15.70 M/S
VOL. FLOW	.17E-03M3/S	.17E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.64E+04	
CALIBRATION FACTOR	.40E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.07 M/S	11.18 M/S
EXIT VEL.	1.27 M/S	13.39 M/S
VOL. FLOW	.18E-03M3/S	.17E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.19E+04	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.07 M/S	11.18 M/S
EXIT VEL.	1.27 M/S	13.41 M/S
VOL. FLOW	.17E-03M3/S	.17E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.20E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	7084	.170E-04	3041	.189E-04	2748	.192E-05	.379E-04
2	8732	.577E-04	7167	.898E-04	7738	.143E-04	.162E-03
3	11161	.118E-03	15605	.200E-03	15999	.349E-04	.353E-03
4	11445	.125E-03	16532	.251E-03	25509	.585E-04	.434E-03
5	9654	.804E-04	12165	.176E-03	25012	.573E-04	.313E-03
6	8002	.397E-04	9041	.122E-03	17365	.383E-04	.200E-03
7	6912	.128E-04	4043	.361E-04	7746	.144E-04	.633E-04
8	7036	.158E-04	2723	.135E-04	2512	.134E-05	.307E-04
9	9476	.761E-04	7021	.873E-04	6399	.110E-04	.174E-03
10	14368	.197E-03	16762	.254E-03	24391	.557E-04	.507E-03
11	13337	.171E-03	18549	.285E-03	34765	.815E-04	.538E-03
12	9587	.788E-04	11458	.163E-03	24840	.569E-04	.299E-03
13	7168	.191E-04	5219	.563E-04	10911	.222E-04	.976E-04
14	6350	*****	2201	.452E-05	3416	.359E-05	.810E-05
15	9175	.686E-04	4725	.478E-04	4012	.507E-05	.122E-03
16	14349	.196E-03	11906	.171E-03	14927	.322E-04	.400E-03
17	16043	.238E-03	16734	.254E-03	25552	.586E-04	.555E-03
18	12878	.160E-03	17327	.264E-03	32259	.753E-04	.500E-03
19	9490	.764E-04	10250	.143E-03	21132	.476E-04	.268E-03
20	7495	.272E-04	5181	.557E-04	11402	.234E-04	.108E-03
21	6805	.101E-04	3123	.203E-04	4924	.733E-05	.378E-04
22	11160	.118E-03	5880	.677E-04	4692	.676E-05	.192E-03
23	14811	.208E-03	9887	.136E-03	9395	.185E-04	.363E-03
24	15700	.230E-03	15070	.225E-03	20477	.460E-04	.501E-03
25	11607	.129E-03	12569	.183E-03	21155	.477E-04	.359E-03
26	9094	.666E-04	8226	.108E-03	14491	.311E-04	.206E-03
27	7535	.282E-04	4588	.455E-04	8004	.150E-04	.886E-04
28	7063	.165E-04	3357	.244E-04	5161	.792E-05	.488E-04
29	7452	.261E-04	6186	.729E-04	6457	.111E-04	.110E-03
30	7322	.229E-04	6591	.799E-04	8651	.166E-04	.119E-03
31	7292	.222E-04	8347	.110E-03	17573	.388E-04	.171E-03
32	13284	.170E-03	17455	.266E-03	23363	.532E-04	.490E-03
33	13137	.166E-03	18535	.285E-03	31411	.732E-04	.525E-03
34	10442	.999E-04	14135	.209E-03	28281	.654E-04	.375E-03
35	16331	.245E-03	18473	.284E-03	26229	.603E-04	.589E-03
36	13337	.171E-03	18452	.284E-03	35077	.823E-04	.537E-03
37	9062	.658E-04	10360	.145E-03	23635	.539E-04	.264E-03
38	15779	.232E-03	16227	.245E-03	24323	.556E-04	.503E-03
39	12258	.145E-03	15013	.224E-03	27093	.625E-04	.432E-03
40	9252	.705E-04	9109	.123E-03	18289	.406E-04	.234E-03

RUN # 246,

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.27 M/S	13.41 M/S
EXIT VEL.	1.49 M/S	15.70 M/S
VOL. FLOW	.17E+03 M3/S	.17E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.58E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.27 M/S	13.41 M/S
EXIT VEL.	1.27 M/S	13.39 M/S
VOL. FLOW	.18E+03 M3/S	.17E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.72E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.27 M/S	13.41 M/S
EXIT VEL.	1.27 M/S	13.41 M/S
VOL. FLOW	.17E+03 M3/S	.17E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.89E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	7590	.435E-04
2	12522	.165E-03
3	19769	.344E-03
4	22067	.400E-03
5	17132	.279E-03
6	11371	.137E-03
7	7779	.482E-04
8	6473	.160E-04
9	12694	.169E-03
10	24512	.461E-03
11	28779	.566E-03
12	18859	.321E-03
13	10011	.103E-03
14	6428	.148E-04
15	8353	.623E-04
16	21509	.387E-03
17	28983	.571E-03
18	27344	.531E-03
19	17396	.285E-03
20	9400	.881E-04
21	6815	.244E-04
22	9170	.825E-04
23	16248	.257E-03
24	22581	.413E-03
25	17527	.291E-03
26	11184	.132E-03
27	8437	.644E-04
28	6731	.223E-04
29	9807	.982E-04
30	9580	.926E-04
31	9765	.971E-04
32	23428	.434E-03
33	27223	.528E-03
34	21378	.383E-03
35	26854	.519E-03
36	29503	.584E-03
37	19267	.331E-03
38	27189	.527E-03
39	24751	.467E-03
40	15148	.230E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	3825	.533E-04
2	16123	.264E-03
3	37839	.637E-03
4	50994	.862E-03
5	45460	.768E-03
6	27902	.466E-03
7	13089	.212E-03
8	1637	.158E-04
9	10402	.166E-03
10	36520	.614E-03
11	55178	.934E-03
12	39663	.668E-03
13	18149	.299E-03
14	3796	.529E-04
15	3553	.487E-04
16	21594	.358E-03
17	38027	.640E-03
18	42055	.709E-03
19	27362	.457E-03
20	12036	.194E-03
21	4699	.683E-04
22	4346	.623E-04
23	14141	.230E-03
24	25818	.431E-03
25	22220	.369E-03
26	12200	.197E-03
27	6941	.107E-03
28	3140	.416E-04
29	15595	.255E-03
30	19576	.324E-03
31	29424	.492E-03
32	42142	.711E-03
33	56241	.952E-03
34	51846	.877E-03
35	37606	.633E-03
36	50197	.849E-03
37	35835	.602E-03
38	33718	.566E-03
39	35750	.601E-03
40	21497	.356E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	3927	.756E-05
2	15010	.351E-04
3	38102	.925E-04
4	58366	.143E-03
5	65106	.160E-03
6	52360	.128E-03
7	26805	.644E-04
8	1623	.183E-05
9	10203	.231E-04
10	37705	.915E-04
11	62084	.152E-03
12	55528	.136E-03
13	31320	.756E-04
14	7836	.173E-04
15	2812	.479E-05
16	19530	.463E-04
17	40925	.995E-04
18	49913	.122E-03
19	37565	.911E-04
20	18912	.448E-04
21	7754	.171E-04
22	3979	.769E-05
23	12973	.300E-04
24	27423	.659E-04
25	26802	.644E-04
26	17007	.401E-04
27	10450	.238E-04
28	5439	.113E-04
29	15211	.356E-04
30	21921	.523E-04
31	44148	.107E-03
32	43664	.106E-03
33	62794	.154E-03
34	65775	.161E-03
35	39045	.948E-04
36	57012	.139E-03
37	48215	.118E-03
38	35937	.871E-04
39	41851	.102E-03
40	30132	.727E-04

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.104E-03
2	.465E-03
3	.107E-02
4	.141E-02
5	.121E-02
6	.731E-03
7	.325E-03
8	.336E-04
9	.359E-03
10	.117E-02
11	.165E-02
12	.113E-02
13	.478E-03
14	.850E-04
15	.116E-03
16	.791E-03
17	.131E-02
18	.136E-02
19	.834E-03
20	.327E-03
21	.110E-03
22	.152E-03
23	.517E-03
24	.910E-03
25	.724E-03
26	.369E-03
27	.135E-03
28	.752E-04
29	.369E-03
30	.468E-03
31	.697E-03
32	.125E-02
33	.163E-02
34	.142E-02
35	.125E-02
36	.157E-02
37	.105E-02
38	.118E-02
39	.117E-02
40	.659E-03

RUN # 251

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.84 M/S	8.94 M/S
EXIT VEL.	3.18 M/S	34.54 M/S
VOL. FLOW	.37E-03M3/S	.36E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.58E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5641	*****
2	5687	*****
3	5785	.701E-06
4	5772	.387E-06
5	5684	*****
6	5606	*****
7	5595	*****
8	5615	*****
9	5688	*****
10	5770	.338E-06
11	5825	.167E-05
12	5661	*****
13	5620	*****
14	5583	*****
15	5560	*****
16	5857	.268E-05
17	5858	.730E-05
18	5824	.164E-05
19	5623	*****
20	5608	*****
21	5592	*****
22	6211	.110E-04
23	6508	.182E-04
24	6549	.192E-04
25	5977	.534E-05
26	5719	*****
27	5620	*****
28	5605	*****
29	5644	*****
30	5550	*****
31	5625	*****
32	5801	.109E-05
33	5795	.942E-06
34	5717	*****
35	5863	.259E-05
36	5847	.220E-05
37	5542	*****
38	6272	.125E-04
39	5836	.242E-05
40	5663	*****

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.84 M/S	8.94 M/S
EXIT VEL.	2.77 M/S	30.01 M/S
VOL. FLOW	.39E-03M3/S	.38E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.13E+04	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1280	.326E-06
1368	.212E-05
1579	.642E-05
2052	.161E-04
1649	.784E-05
1489	.458E-05
1316	.106E-05
1286	.448E-06
1393	.263E-05
2004	.151E-04
2511	.254E-04
1892	.128E-04
1365	.206E-05
1219	*****
1180	*****
1714	.917E-05
2421	.236E-04
2579	.268E-04
2037	.157E-04
1435	.350E-05
1277	.265E-06
1540	.562E-05
1744	.978E-05
2143	.179E-04
2289	.209E-04
2014	.153E-04
1772	.103E-04
1593	.670E-05
1400	.277E-05
1415	.308E-05
1599	.682E-05
1961	.142E-04
2300	.211E-04
2058	.162E-04
2315	.214E-04
2823	.318E-04
2095	.169E-04
2528	.257E-04
2501	.252E-04
1857	.121E-04

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.84 M/S	8.94 M/S
EXIT VEL.	2.74 M/S	29.73 M/S
VOL. FLOW	.38E-03M3/S	.37E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.15E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1513	.773E-07
1595	.450E-06
1858	.165E-05
2438	.428E-05
2325	.377E-05
2144	.295E-05
1773	.126E-05
1500	.182E-07
1580	.382E-06
2433	.426E-05
3230	.788E-05
2705	.550E-05
1883	.176E-05
1491	*****
1413	*****
1982	.221E-05
3358	.847E-05
3030	.161E-04
3683	.994E-05
2098	.274E-05
1608	.509E-06
1571	.341E-06
1900	.184E-05
3292	.817E-05
5770	.194E-04
6278	.217E-04
4601	.141E-04
3387	.860E-05
1634	.628E-06
1741	.111E-05
2161	.302E-05
2395	.409E-05
2941	.657E-05
2871	.625E-05
2917	.646E-05
3906	.110E-04
3113	.735E-05
4047	.116E-04
5135	.165E-04
3821	.106E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.403E-06
.257E-05
.876E-05
.207E-04
.116E-04
.753E-05
.232E-05
.466E-06
.301E-05
.197E-04
.350E-04
.183E-04
.382E-05

.141E-04
.393E-04
.445E-04
.257E-04
.624E-05
.774E-06
.170E-04
.298E-04
.452E-04
.457E-04
.370E-04
.245E-04
.153E-04
.340E-05
.419E-05
.985E-05
.194E-04
.286E-04
.224E-04
.305E-04
.449E-04
.243E-04
.498E-04
.442E-04
.227E-04

RUN # 252

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.03 M/S	11.18 M/S
EXIT VEL.	3.18 M/S	34.54 M/S
VOL. FLOW	.37E-03M3/S	.36E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.54E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.03 M/S	11.18 M/S
EXIT VEL.	2.77 M/S	30.01 M/S
VOL. FLOW	.39E-03M3/S	.38E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.83E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.03 M/S	11.18 M/S
EXIT VEL.	2.74 M/S	29.73 M/S
VOL. FLOW	.38E-03M3/S	.37E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5421	.121E-05
2	5637	.633E-05
3	5948	.137E-04
4	6295	.219E-04
5	6882	.121E-04
6	6768	.943E-05
7	5423	.126E-05
8	5370	*****
9	5672	.715E-05
10	7111	.412E-04
11	7069	.403E-04
12	6081	.168E-04
13	5588	.516E-05
14	5381	.261E-06
15	5567	.467E-05
16	7060	.400E-04
17	8311	.697E-04
18	7228	.440E-04
19	6049	.161E-04
20	5529	.377E-05
21	5423	.126E-05
22	6612	.294E-04
23	8236	.679E-04
24	9007	.862E-04
25	6830	.346E-04
26	5992	.143E-04
27	5638	.635E-05
28	5609	.329E-05
29	5492	.289E-05
30	5426	.133E-05
31	5441	.168E-05
32	6576	.286E-04
33	6738	.324E-04
34	6317	.224E-04
35	7577	.523E-04
36	7260	.448E-04
37	6322	.226E-04
38	8280	.689E-04
39	7190	.431E-04
40	6034	.157E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
906	.156E-05
1724	.179E-04
2273	.289E-04
3767	.587E-04
3800	.594E-04
2313	.297E-04
1294	.931E-05
848	.399E-06
1446	.123E-04
3649	.563E-04
5515	.936E-04
3777	.589E-04
1473	.129E-04
874	.919E-06
882	.108E-05
2575	.349E-04
4851	.804E-04
5530	.939E-04
3140	.462E-04
1517	.138E-04
978	.300E-05
1292	.927E-05
2239	.282E-04
4062	.646E-04
3875	.609E-04
2873	.408E-04
2020	.238E-04
1347	.104E-04
1440	.122E-04
1583	.151E-04
1853	.205E-04
3446	.523E-04
5439	.921E-04
4858	.805E-04
4557	.745E-04
5910	.102E-03
3643	.562E-04
4599	.753E-04
4981	.829E-04
2937	.421E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
1159	.446E-07
1446	.132E-05
2035	.395E-05
3414	.101E-04
3614	.110E-04
2944	.800E-05
1920	.344E-05
1114	*****
1564	.185E-05
3426	.102E-04
6217	.226E-04
5145	.178E-04
2718	.700E-05
1216	.299E-06
1161	.535E-07
2822	.746E-05
5986	.216E-04
8458	.326E-04
7111	.266E-04
3351	.982E-05
1586	.195E-05
1342	.860E-06
2192	.465E-05
6094	.220E-04
10795	.430E-04
9102	.355E-04
6084	.220E-04
3442	.102E-04
1456	.137E-05
1663	.229E-05
2273	.501E-05
3401	.100E-04
4924	.168E-04
4955	.170E-04
5014	.172E-04
7769	.295E-04
6343	.232E-04
6183	.224E-04
8662	.335E-04
7339	.276E-04

TOTAL CONCENTRATION (GM/M**3)
.281E-05
.255E-04
.465E-04
.907E-04
.825E-04
.471E-04
.140E-04
.399E-06
.213E-04
.108E-05
.156E-05
.936E-04
.250E-04
.148E-05
.580E-05
.824E-04
.172E-03
.171E-03
.888E-04
.273E-04
.620E-05
.396E-04
.101E-03
.173E-03
.138E-03
.910E-04
.522E-04
.239E-04
.165E-04
.187E-04
.272E-04
.909E-04
.141E-03
.120E-03
.144E-03
.176E-03
.102E-03
.167E-03
.160E-03
.855E-04

RUN # 253

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.26 M/S	13.41 M/S
EXIT VEL.	3.18 M/S	34.54 M/S
VOL. FLOW	.37E-03M3/S	.36E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.50E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5141	.265E-05
2	5582	.133E-04
3	6636	.387E-04
4	6822	.431E-04
5	6531	.361E-04
6	5544	.124E-04
7	5031	*****
8	4949	*****
9	6481	.349E-04
10	9046	.967E-04
11	9799	.115E-03
12	6998	.474E-04
13	5430	.961E-05
14	4983	*****
15	6439	.339E-04
16	9961	.119E-03
17	12880	.189E-03
18	11189	.148E-03
19	8004	.716E-04
20	5522	.118E-04
21	4999	*****
22	7112	.501E-04
23	10505	.132E-03
24	12797	.187E-03
25	10024	.120E-03
26	6656	.391E-04
27	5565	.129E-04
28	5189	.381E-05
29	5180	.359E-05
30	5274	.585E-05
31	5131	.241E-05
32	7798	.666E-04
33	8177	.758E-04
34	7308	.548E-04
35	10862	.140E-03
36	11283	.151E-03
37	7435	.579E-04
38	13237	.198E-03
39	10696	.136E-03
40	7813	.670E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.26 M/S	13.41 M/S
EXIT VEL.	2.77 M/S	30.01 M/S
VOL. FLOW	.39E-03M3/S	.38E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.59E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
748	.319E-05
2539	.396E-04
6484	.120E-03
8954	.170E-03
9619	.183E-03
6037	.111E-03
2160	.319E-04
435	*****
3370	.564E-04
9871	.188E-03
15290	.298E-03
10545	.202E-03
3621	.627E-04
575	*****
1631	.211E-04
7394	.138E-03
13480	.262E-03
14668	.286E-03
9720	.185E-03
3020	.493E-04
1029	.883E-05
1888	.263E-04
4822	.859E-04
10654	.204E-03
10775	.207E-03
3657	.103E-03
2846	.458E-04
1482	.183E-04
2169	.320E-04
3282	.546E-04
4174	.728E-04
8921	.169E-03
12072	.233E-03
12475	.241E-03
11700	.222E-03
16579	.325E-03
10904	.209E-03
13577	.264E-03
12979	.252E-03
8479	.160E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.26 M/S	13.41 M/S
EXIT VEL.	2.74 M/S	29.73 M/S
VOL. FLOW	.38E-03M3/S	.37E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	*****	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
*****	*****
1706	.773E-05
5307	.241E-04
9378	.425E-04
9116	.413E-04
7334	.332E-04
3421	.155E-04
*****	*****
2622	.119E-04
8576	.389E-04
13316	.604E-04
13003	.589E-04
5923	.268E-04
1114	.505E-05
1431	.649E-05
5310	.241E-04
11357	.515E-04
18146	.823E-04
14022	.636E-04
5991	.272E-04
2260	.102E-04
1114	.505E-05
3288	.149E-04
10616	.481E-04
16198	.734E-04
10986	.498E-04
7021	.318E-04
4063	.184E-04
1400	.635E-05
2807	.127E-04
4157	.188E-04
8413	.381E-04
11815	.536E-04
12206	.553E-04
10141	.460E-04
15744	.714E-04
13813	.626E-04
12746	.578E-04
17395	.788E-04
13301	.603E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.584E-05
.606E-04
.182E-03
.255E-03
.261E-03
.156E-03
.474E-04

.103E-03
.324E-03
.474E-03
.308E-03
.992E-04
.505E-05
.615E-04
.281E-03
.502E-03
.516E-03
.321E-03
.883E-04
.191E-04
.815E-04
.233E-03
.440E-03
.400E-03
.192E-03
.905E-04
.403E-04
.420E-04
.732E-04
.940E-04
.274E-03
.362E-03
.351E-03
.412E-03
.347E-03
.330E-03
.519E-03
.467E-03
.287E-03

RUN # 253R

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.24 M/S	13.41 M/S
EXIT VEL.	3.18 M/S	34.54 M/S
VOL. FLOW	.37E+03M3/S	.36E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.66E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.24 M/S	13.41 M/S
EXIT VEL.	2.77 M/S	30.01 M/S
VOL. FLOW	.39E+03M3/S	.38E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.14E+04	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.24 M/S	13.41 M/S
EXIT VEL.	2.74 M/S	29.73 M/S
VOL. FLOW	.38E+03M3/S	.37E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	7179	.149E-04	2580	.237E-04	2040	.385E-05	.424E-04
2	8148	.382E-04	5775	.884E-04	3866	.121E-04	.139E-03
3	9522	.712E-04	10025	.174E-03	8258	.320E-04	.278E-03
4	10343	.909E-04	14006	.255E-03	14947	.622E-04	.408E-03
5	9548	.718E-04	14652	.268E-03	20579	.877E-04	.428E-03
6	8638	.499E-04	10821	.191E-03	15837	.662E-04	.307E-03
7	7975	.340E-04	5931	.915E-04	9236	.364E-04	.162E-03
8	6656	.231E-05	1637	.458E-05	1366	.800E-06	.768E-05
9	8907	.564E-04	5010	.729E-04	3584	.108E-04	.140E-03
10	12669	.147E-03	13075	.236E-03	11493	.466E-04	.430E-03
11	14337	.187E-03	18328	.343E-03	21515	.919E-04	.621E-03
12	10771	.101E-03	14777	.271E-03	21723	.928E-04	.465E-03
13	8715	.518E-04	7941	.132E-03	11147	.450E-04	.229E-03
14	8171	.387E-04	3905	.505E-04	3983	.126E-04	.102E-03
15	8312	.421E-04	2793	.280E-04	1854	.301E-05	.733E-04
16	12350	.139E-03	7917	.132E-03	5956	.216E-04	.292E-03
17	15710	.220E-03	15306	.281E-03	15945	.667E-04	.568E-03
18	15549	.216E-03	18077	.338E-03	23348	.100E-03	.699E-03
19	12343	.139E-03	14087	.257E-03	19957	.849E-04	.481E-03
20	9398	.682E-04	7527	.124E-03	10122	.404E-04	.238E-03
21	8563	.481E-04	4544	.635E-04	5290	.185E-04	.138E-03
22	8981	.582E-04	2565	.234E-04	1634	.201E-05	.833E-04
23	12267	.137E-03	5881	.905E-04	3792	.118E-04	.239E-03
24	15310	.210E-03	11209	.198E-03	10576	.424E-04	.451E-03
25	14091	.181E-03	13698	.249E-03	18154	.767E-04	.506E-03
26	11235	.112E-03	9889	.172E-03	14075	.583E-04	.342E-03
27	9516	.710E-04	6803	.109E-03	8778	.343E-04	.215E-03
28	8987	.583E-04	4985	.724E-04	5686	.203E-04	.151E-03
29	7804	.299E-04	5008	.729E-04	3698	.113E-04	.114E-03
30	7974	.340E-04	8024	.134E-03	6209	.227E-04	.191E-03
31	8123	.376E-04	8111	.136E-03	9305	.367E-04	.210E-03
32	11602	.121E-03	12782	.230E-03	11457	.464E-04	.398E-03
33	11865	.127E-03	15888	.293E-03	17702	.747E-04	.495E-03
34	11007	.107E-03	16516	.306E-03	23422	.101E-03	.513E-03
35	14450	.190E-03	14500	.265E-03	14002	.579E-04	.513E-03
36	15129	.206E-03	19403	.364E-03	22459	.962E-04	.666E-03
37	12143	.134E-03	15500	.285E-03	21162	.903E-04	.510E-03
38	16223	.233E-03	15272	.281E-03	16405	.688E-04	.582E-03
39	15200	.208E-03	16918	.314E-03	22880	.981E-04	.620E-03
40	12045	.132E-03	11711	.209E-03	16206	.679E-04	.408E-03

RUN # 254

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	.87 M/S	8.94 M/S
EXIT VEL.	1.30 M/S	13.46 M/S
VOL. FLOW	.15E-03 M3/S	.14E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.53E+04	
CALIBRATION FACTOR	.40E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	.87 M/S	8.94 M/S
EXIT VEL.	1.11 M/S	11.53 M/S
VOL. FLOW	.16E-03 M3/S	.15E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.70E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	.87 M/S	8.94 M/S
EXIT VEL.	1.11 M/S	11.50 M/S
VOL. FLOW	.15E-03 M3/S	.14E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.91E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5325	.432E-06
2	5637	.941E-05
3	2771	.277E-04
4	6657	.388E-04
5	6131	.236E-04
6	5504	.558E-05
7	5326	.460E-06
8	5304	*****
9	5549	.688E-05
10	6595	.370E-04
11	7157	.532E-04
12	5958	.187E-04
13	5423	.325E-05
14	5293	*****
15	5544	.673E-05
16	7144	.528E-04
17	8149	.817E-04
18	7416	.606E-04
19	6344	.298E-04
20	5499	.544E-05
21	5349	.112E-05
22	6421	.320E-04
23	7930	.754E-04
24	8834	.101E-03
25	7145	.528E-04
26	6155	.243E-04
27	5531	.636E-05
28	5337	.777E-06
29	5514	.587E-05
30	5450	.403E-05
31	5484	.501E-05
32	6490	.340E-04
33	7087	.511E-04
34	6486	.338E-04
35	7579	.653E-04
36	7399	.601E-04
37	6099	.227E-04
38	8397	.888E-04
39	7335	.583E-04
40	6175	.249E-04

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	765	.132E-05
2	1301	.120E-04
3	2749	.409E-04
4	3762	.610E-04
5	3294	.517E-04
6	1834	.226E-04
7	1059	.717E-05
8	721	.438E-06
9	1216	.103E-04
10	2946	.448E-04
11	4930	.843E-04
12	3043	.467E-04
13	1426	.145E-04
14	979	.558E-05
15	802	.205E-05
16	2536	.366E-04
17	4468	.751E-04
18	5229	.903E-04
19	3460	.550E-04
20	1644	.188E-04
21	990	.580E-05
22	1192	.983E-05
23	2284	.316E-04
24	4457	.749E-04
25	5157	.888E-04
26	3381	.535E-04
27	1741	.208E-04
28	1080	.759E-05
29	1259	.112E-04
30	1560	.172E-04
31	2077	.275E-04
32	3221	.503E-04
33	4427	.743E-04
34	3836	.625E-04
35	4085	.675E-04
36	5217	.900E-04
37	3628	.584E-04
38	4659	.789E-04
39	5148	.887E-04
40	3228	.504E-04

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	947	.119E-06
2	1485	.168E-05
3	3026	.615E-05
4	5413	.131E-04
5	6348	.158E-04
6	3737	.821E-05
7	2106	.348E-05
8	928	.638E-07
9	1421	.149E-05
10	3617	.786E-05
11	8191	.211E-04
12	6722	.169E-04
13	3507	.754E-05
14	1313	.118E-05
15	1020	.331E-06
16	3222	.672E-05
17	6477	.162E-04
18	10256	.271E-04
19	8203	.212E-04
20	4122	.933E-05
21	2100	.346E-05
22	1223	.919E-06
23	2269	.395E-05
24	6670	.167E-04
25	10684	.284E-04
26	7482	.191E-04
27	4048	.911E-05
28	2418	.438E-05
29	1531	.181E-05
30	2292	.402E-05
31	3835	.849E-05
32	3985	.893E-05
33	6302	.156E-04
34	7441	.190E-04
35	5447	.132E-04
36	9921	.261E-04
37	8036	.207E-04
38	6951	.175E-04
39	10315	.273E-04
40	7481	.191E-04

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.187E-05
2	.231E-04
3	.747E-04
4	.113E-03
5	.911E-04
6	.364E-04
7	.111E-04
8	.502E-06
9	.187E-04
10	.896E-04
11	.159E-03
12	.822E-04
13	.253E-04
14	.676E-05
15	.912E-05
16	.961E-04
17	.173E-03
18	.178E-03
19	.106E-03
20	.336E-04
21	.104E-04
22	.427E-04
23	.111E-03
24	.193E-03
25	.170E-03
26	.968E-04
27	.362E-04
28	.128E-04
29	.188E-04
30	.252E-04
31	.410E-04
32	.932E-04
33	.141E-03
34	.115E-03
35	.146E-03
36	.176E-03
37	.102E-03
38	.185E-03
39	.174E-03
40	.944E-04

RUN # 255

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.07 M/S	11.18 M/S
EXIT VEL.	1.30 M/S	13.46 M/S
VOL. FLOW	.15E-03M3/S	.14E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.55E+04	
CALIBRATION FACTOR	.40E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/H**3)
1	6124	.164E-04
2	8852	.920E-04
3	13061	.208E-03
4	13922	.232E-03
5	11672	.170E-03
6	7953	.671E-04
7	6173	.178E-04
8	5702	.476E-05
9	9481	.109E-03
10	17429	.329E-03
11	17272	.325E-03
12	11637	.169E-03
13	7224	.469E-04
14	5638	.299E-05
15	8163	.729E-04
16	14202	.240E-03
17	19074	.375E-03
18	17217	.323E-03
19	11604	.168E-03
20	7851	.642E-04
21	5878	.963E-05
22	7553	.560E-04
23	12298	.187E-03
24	17010	.318E-03
25	14022	.235E-03
26	8996	.959E-04
27	7326	.497E-04
28	6065	.148E-04
29	8021	.690E-04
30	7716	.605E-04
31	7640	.584E-04
32	16033	.291E-03
33	16207	.296E-03
34	13076	.209E-03
35	19127	.376E-03
36	17083	.320E-03
37	12164	.184E-03
38	19875	.397E-03
39	16424	.302E-03
40	10372	.134E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.07 M/S	11.18 M/S
EXIT VEL.	1.11 M/S	11.53 M/S
VOL. FLOW	.16E-03M3/S	.15E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.51E+03	
CALIBRATION FACTOR	.21E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/H**3)
1558	.200E-04
8854	.160E-03
21191	.396E-03
28083	.528E-03
23030	.432E-03
13663	.252E-03
4886	.838E-04
782	.516E-05
5996	.105E-03
22378	.419E-03
26882	.505E-03
19787	.369E-03
8078	.145E-03
1711	.230E-04
3045	.485E-04
11798	.216E-03
21177	.396E-03
22092	.414E-03
15685	.291E-03
7115	.127E-03
2264	.336E-04
2235	.330E-04
7197	.128E-03
15791	.293E-03
15160	.281E-03
7970	.143E-03
4633	.790E-04
2378	.357E-03
8940	.162E-03
10622	.194E-03
13067	.241E-03
23661	.444E-03
28486	.536E-03
24012	.450E-03
23445	.440E-03
24895	.467E-03
18525	.345E-03
20762	.388E-03
20314	.380E-03
12382	.227E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.07 M/S	11.18 M/S
EXIT VEL.	1.11 M/S	11.50 M/S
VOL. FLOW	.15E-03M3/S	.14E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	*****	
CALIBRATION FACTOR	.14E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/H**3)
835	.233E-05
5977	.167E-04
17580	.490E-04
32454	.905E-04
32454	.905E-04
24045	.671E-04
9860	.275E-04
996	.278E-05
4869	.136E-04
21598	.602E-04
33993	.948E-04
30420	.848E-04
14469	.404E-04
3237	.903E-05
2365	.660E-05
10553	.294E-04
22914	.639E-04
29318	.818E-04
24666	.688E-04
11528	.321E-04
4171	.116E-04
1736	.484E-05
5938	.166E-04
16339	.456E-04
19869	.554E-04
11672	.326E-04
7515	.210E-04
3815	.106E-04
5162	.144E-04
8563	.239E-04
17496	.488E-04
22081	.616E-04
33195	.926E-04
34949	.975E-04
25228	.704E-04
31813	.887E-04
28957	.808E-04
21618	.603E-04
27725	.773E-04
20374	.568E-04

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/H**3)
.388E-04
.268E-03
.654E-03
.851E-03
.692E-03
.386E-03
.129E-03
.127E-04
.228E-03
.809E-03
.925E-03
.623E-03
.232E-03
.350E-04
.128E-03
.486E-03
.835E-03
.819E-03
.528E-03
.223E-03
.558E-04
.938E-04
.332E-03
.656E-03
.571E-03
.271E-03
.150E-03
.612E-04
.245E-03
.278E-03
.348E-03
.788E-03
.924E-03
.757E-03
.886E-03
.876E-03
.610E-03
.845E-03
.758E-03
.418E-03

RUN # 256

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.30 M/S	13.41 M/S
EXIT VEL.	1.30 M/S	13.46 M/S
VOL. FLOW	.15E-03M3/S	.14E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.54E+04	
CALIBRATION FACTOR	.40E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	6978	.434E-04
2	14981	.268E-03
3	26074	.579E-03
4	30052	.690E-03
5	23225	.499E-03
6	13685	.231E-03
7	8565	.879E-04
8	5944	.144E-04
9	16170	.301E-03
10	31254	.724E-03
11	37156	.889E-03
12	22994	.492E-03
13	10494	.142E-03
14	6286	.240E-04
15	1	*****
16	23273	.500E-03
17	32666	.764E-03
18	30762	.710E-03
19	19533	.395E-03
20	9534	.115E-03
21	6789	.381E-04
22	9100	.103E-03
23	15783	.290E-03
24	24267	.528E-03
25	20789	.431E-03
26	11099	.159E-03
27	7782	.659E-04
28	6194	.214E-04
29	11362	.166E-03
30	10450	.141E-03
31	10732	.149E-03
32	31649	.735E-03
33	34900	.826E-03
34	28442	.645E-03
35	32535	.760E-03
36	33988	.801E-03
37	21561	.452E-03
38	30780	.711E-03
39	27916	.630E-03
40	15867	.293E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.30 M/S	13.41 M/S
EXIT VEL.	1.11 M/S	11.53 M/S
VOL. FLOW	.16E-03M3/S	.15E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.33E+03	
CALIBRATION FACTOR	.21E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
3391	.595E-04
17809	.339E-03
43771	.843E-03
63069	.122E-02
59757	.115E-02
42798	.825E-03
18851	.360E-03
1176	.165E-04
13408	.254E-03
42626	.821E-03
58576	.113E-02
47095	.908E-03
20241	.387E-03
4644	.838E-04
1	*****
21018	.402E-03
37194	.716E-03
41291	.795E-03
28187	.541E-03
11523	.217E-03
4669	.843E-04
3629	.641E-04
11354	.214E-03
23852	.457E-03
22696	.434E-03
1154	.160E-04
5413	.987E-04
2298	.382E-04
20467	.391E-03
207033	.591E-03
42911	.827E-03
50064	.966E-03
62337	.120E-02
61282	.118E-02
41128	.792E-03
50241	.969E-03
36858	.709E-03
33684	.648E-03
35073	.675E-03
20492	.391E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.30 M/S	13.41 M/S
EXIT VEL.	1.11 M/S	11.50 M/S
VOL. FLOW	.15E-03M3/S	.14E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	*****	
CALIBRATION FACTOR	.14E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1687	.477E-05
7407	.209E-04
20604	.582E-04
43595	.123E-03
49918	.141E-03
45336	.128E-03
25192	.712E-04
1020	.288E-05
6538	.185E-04
29290	.828E-04
51349	.145E-03
50684	.143E-03
26971	.762E-04
5585	.158E-04
3587	.101E-04
14474	.409E-04
30227	.854E-04
40660	.115E-03
33461	.946E-04
15927	.450E-04
6067	.171E-04
2750	.777E-05
9003	.254E-04
20637	.583E-04
23079	.652E-04
13477	.381E-04
6852	.194E-04
3131	.885E-05
7616	.215E-04
14016	.396E-04
33266	.946E-04
30930	.874E-04
48191	.136E-03
56963	.161E-03
31004	.876E-04
48930	.138E-03
42526	.120E-03
28498	.806E-04
35335	.999E-04
24911	.704E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.108E-03
.628E-03
.148E-02
.203E-02
.179E-02
.118E-02
.519E-03
.337E-04
.574E-03
.163E-02
.217E-02
.154E-02
.605E-03
.124E-03
.101E-04
.943E-03
.156E-02
.162E-02
.103E-02
.377E-03
.140E-03
.175E-03
.530E-03
.104E-02
.930E-03
.213E-03
.184E-03
.685E-04
.579E-03
.699E-03
.107E-02
.179E-03
.217E-03
.191E-03
.128E-03
.144E-03
.140E-03
.754E-03

RUN # 261

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	.85 M/S	8.94 M/S
EXIT VEL.	2.42 M/S	25.57 M/S
VOL. FLOW	.28E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.52E+04	
CALIBRATION FACTOR	.40E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	.85 M/S	8.94 M/S
EXIT VEL.	2.13 M/S	22.57 M/S
VOL. FLOW	.30E-03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	*****	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	.85 M/S	8.94 M/S
EXIT VEL.	2.08 M/S	22.07 M/S
VOL. FLOW	.29E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	*****	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5216	.173E-05
2	5310	.475E-05
3	5416	.815E-05
4	5702	.173E-04
5	5353	.613E-05
6	5239	.247E-05
7	5162	*****
8	5190	.899E-06
9	5302	.449E-05
10	5742	.186E-04
11	5780	.198E-04
12	5435	.876E-05
13	5195	.106E-05
14	5220	.186E-05
15	5401	.767E-05
16	5885	.232E-04
17	6624	.469E-04
18	6239	.346E-04
19	5454	.937E-05
20	5290	.411E-05
21	5170	.257E-06
22	6111	.305E-04
23	6949	.573E-04
24	7062	.610E-04
25	6126	.309E-04
26	5612	.144E-04
27	5383	.709E-05
28	5175	.417E-06
29	5164	.642E-07
30	5285	.395E-05
31	5150	*****
32	5590	.137E-04
33	5650	.157E-04
34	5391	.735E-05
35	5950	.253E-04
36	5822	.212E-04
37	5429	.857E-05
38	6933	.568E-04
39	6315	.370E-04
40	5485	.104E-04

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	613	.266E-07
2	1517	.163E-04
3	2374	.404E-04
4	1773	.632E-04
5	1092	.472E-04
6	466	.291E-04
7	1	.124E-04
8	1	.266E-07
9	570	.152E-04
10	1940	.517E-04
11	3218	.857E-04
12	2014	.536E-04
13	678	.181E-04
14	1	.266E-07
15	453	.121E-04
16	1487	.396E-04
17	2718	.724E-04
18	2905	.774E-04
19	1903	.507E-04
20	893	.238E-04
21	350	.932E-05
22	651	.173E-04
23	1315	.350E-04
24	2094	.555E-04
25	2611	.695E-04
26	1891	.504E-04
27	1174	.313E-04
28	608	.162E-04
29	626	.167E-04
30	877	.234E-04
31	993	.264E-04
32	1989	.530E-04
33	2893	.770E-04
34	2187	.582E-04
35	2523	.672E-04
36	2939	.783E-04
37	2051	.546E-04
38	2731	.727E-04
39	2799	.745E-04
40	1786	.476E-04

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	725	.602E-08
2	1417	.437E-05
3	2621	.854E-05
4	2632	.158E-04
5	1859	.157E-04
6	1053	.112E-04
7	1	.634E-05
8	1	.602E-08
9	777	.468E-05
10	2205	.133E-04
11	3831	.231E-04
12	3264	.197E-04
13	1433	.863E-05
14	1	.602E-08
15	1	.602E-08
16	1748	.105E-04
17	3732	.225E-04
18	6413	.386E-04
19	5190	.313E-04
20	2542	.153E-04
21	957	.576E-05
22	680	.410E-05
23	1193	.719E-05
24	3315	.200E-04
25	7617	.459E-04
26	6501	.392E-04
27	4377	.264E-04
28	2114	.127E-04
29	876	.528E-05
30	1258	.758E-05
31	1360	.819E-05
32	2148	.129E-04
33	3301	.199E-04
34	3521	.212E-04
35	2937	.177E-04
36	5088	.307E-04
37	4265	.257E-04
38	4355	.262E-04
39	6180	.372E-04
40	4815	.290E-04

TOTAL CONCENTRATION (GM/M**3)
.177E-05
.254E-04
.571E-04
.963E-04
.691E-04
.427E-04
.188E-04
.931E-06
.244E-04
.836E-04
.129E-03
.821E-04
.277E-04
.189E-05
.197E-04
.733E-04
.142E-03
.151E-03
.913E-04
.432E-04
.153E-04
.519E-04
.995E-04
.137E-03
.146E-03
.104E-03
.647E-04
.293E-04
.220E-04
.349E-04
.346E-04
.796E-04
.116E-03
.868E-04
.110E-03
.130E-03
.889E-04
.156E-03
.149E-03
.869E-04

RUN # 262			STACK #2			STACK #3			PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:	
STACK #1			STACK #2			STACK #3				
	MODEL	PROTOTYPE	MODEL	PROTOTYPE		MODEL	PROTOTYPE			
STACK HT. VEL.	1.06 M/S	11.18 M/S	1.06 M/S	11.18 M/S		1.06 M/S	11.18 M/S			
EXIT VEL.	2.42 M/S	25.57 M/S	2.13 M/S	22.57 M/S		2.08 M/S	22.07 M/S			
VOL. FLOW	.28E-03M3/S	.27E+03M3/S	.30E-03M3/S	.29E+03M3/S		.29E-03M3/S	.27E+03M3/S			
SOURCE STRENGTH	.40E+05	.10E+01	.30E+05	.10E+01		.20E+05	.10E+01			
BACKGROUND	.49E+04		.48E+03			.32E+03				
CALIBRATION FACTOR	.41E-03		.22E-03			.15E-03				
SO2 FLUX	.8500E+03 (GM/SEC)		.1050E+04 (GM/SEC)			.2200E+03 (GM/SEC)				
STACK HEIGHT	25.40 CM	76.20 M	25.40 CM	76.20 M		25.40 CM	76.20 M			
STACK DIAMETER	1.22 CM	3.66 M	1.34 CM	4.02 M		1.32 CM	3.96 M			
SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)		RAW (AREA)	CONCENTRATION (GM/M**3)		TOTAL CONCENTRATION (GM/M**3)	
1	4945	.262E-05	725	.657E-05		812	.301E-05		.122E-04	
2	5256	.127E-04	2323	.494E-04		2171	.113E-04		.734E-04	
3	5956	.353E-04	4836	.117E-03		4000	.224E-04		.174E-03	
4	6574	.553E-04	6731	.168E-03		7055	.409E-04		.264E-03	
5	5813	.307E-04	5245	.128E-03		7903	.460E-04		.105E-03	
6	5330	.151E-04	3264	.747E-04		6178	.356E-04		.125E-03	
7	4898	.110E-05	1624	.307E-04		3334	.183E-04		.501E-04	
8	4856	*****	589	.292E-05		726	.249E-05		.541E-05	
9	5373	.165E-04	1414	.250E-04		1305	.600E-05		.475E-04	
10	7663	.905E-04	6870	.171E-03		6480	.374E-04		.299E-03	
11	8655	.123E-03	9335	.237E-03		12249	.724E-04		.432E-03	
12	6250	.448E-04	5867	.144E-03		9909	.582E-04		.247E-03	
13	5243	.122E-04	2195	.460E-04		4263	.239E-04		.822E-04	
14	4858	*****	690	.563E-05		1316	.607E-05		.117E-04	
15	5187	.104E-04	870	.105E-04		889	.348E-05		.244E-04	
16	8064	.103E-03	4352	.104E-03		4534	.256E-04		.233E-03	
17	10225	.173E-03	9117	.232E-03		12646	.748E-04		.480E-03	
18	8969	.133E-03	9808	.250E-03		16139	.960E-04		.479E-03	
19	6819	.632E-04	5864	.144E-03		11250	.663E-04		.274E-03	
20	5562	.226E-04	2638	.579E-04		5265	.300E-04		.110E-03	
21	4964	.323E-05	963	.130E-04		1796	.898E-05		.252E-04	
22	6832	.636E-04	1349	.233E-04		3406	.187E-04		.106E-03	
23	9039	.135E-03	3406	.785E-04		3123	.170E-04		.230E-03	
24	10591	.185E-03	7873	.198E-03		11226	.662E-04		.450E-03	
25	8961	.132E-03	8630	.219E-03		15313	.910E-04		.442E-03	
26	6773	.617E-04	5436	.133E-03		10942	.645E-04		.259E-03	
27	5540	.218E-04	2691	.593E-04		5781	.332E-04		.114E-03	
28	5184	.103E-04	1691	.325E-04		3530	.195E-04		.623E-04	
29	4967	.333E-05	1466	.264E-04		1617	.789E-05		.377E-04	
30	4930	.213E-05	1699	.327E-04		2572	.137E-04		.485E-04	
31	4957	.301E-05	2579	.563E-04		4344	.244E-04		.837E-04	
32	7334	.798E-04	7264	.182E-03		6149	.354E-04		.297E-03	
33	7412	.824E-04	8442	.214E-03		9879	.580E-04		.354E-03	
34	6364	.485E-04	6717	.167E-03		11295	.666E-04		.282E-03	
35	9496	.150E-03	8336	.211E-03		9466	.555E-04		.416E-03	
36	9075	.136E-03	9724	.248E-03		14371	.853E-04		.469E-03	
37	6956	.676E-04	6707	.167E-03		10918	.643E-04		.299E-03	
38	10642	.187E-03	9387	.239E-03		13904	.824E-04		.508E-03	
39	8616	.121E-03	8850	.224E-03		15612	.928E-04		.439E-03	
40	6961	.678E-04	5970	.147E-03		11282	.665E-04		.282E-03	

RUN # 262R								
STACK #1			STACK #2			STACK #3		
	MODEL	PROTOTYPE		MODEL	PROTOTYPE		MODEL	PROTOTYPE
STACK HT. VEL.	1.06 M/S	11.18 M/S		1.06 M/S	11.18 M/S		1.06 M/S	11.18 M/S
EXIT VEL.	2.42 M/S	25.57 M/S		2.13 M/S	22.57 M/S		2.08 M/S	22.07 M/S
VOL. FLOW	.28E+03 M3/S	.27E+03 M3/S		.30E+03 M3/S	.29E+03 M3/S		.29E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01		.30E+05	.10E+01		.20E+05	.10E+01
BACKGROUND	.95E+04			.67E+04			.55E+04	
CALIBRATION FACTOR	.41E-03			.22E-03			.15E-03	
SO2 FLUX	.8500E+03 (GM/SEC)			.1050E+04 (GM/SEC)			.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M		25.40 CM	76.20 M		25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M		1.34 CM	4.02 M		1.32 CM	3.96 M
SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)		RAW (AREA)	CONCENTRATION (GM/M**3)		RAW (AREA)	CONCENTRATION (GM/M**3)
1	9885	.121E-04		7595	.235E-04		6442	.564E-05
2	10551	.336E-04		9707	.802E-04		7924	.146E-04
3	11184	.541E-04		11977	.141E-03		10734	.317E-04
4	11578	.668E-04		13516	.182E-03		13172	.465E-04
5	11115	.519E-04		12835	.164E-03		14074	.519E-04
6	10806	.419E-04		11317	.123E-03		12335	.414E-04
7	9963	.146E-04		8759	.547E-04		9466	.240E-04
8	9900	.126E-04		7425	.190E-04		6416	.548E-05
10	12382	.928E-04		14193	.200E-03		12352	.415E-04
11	13306	.123E-03		16876	.272E-03		18711	.801E-04
12	11673	.699E-04		13845	.191E-03		16546	.669E-04
17	14943	.176E-03		15968	.248E-03		15832	.626E-04
18	15011	.178E-03		17463	.288E-03		20188	.890E-04
19	12703	.103E-03		14409	.206E-03		18908	.813E-04
24	16825	.236E-03		14984	.222E-03		14069	.519E-04
25	16047	.211E-03		16395	.260E-03		19411	.843E-04
26	12581	.993E-04		13021	.169E-03		18184	.769E-04
29	10592	.350E-04		9266	.683E-04		8024	.152E-04
31	10637	.364E-04		10024	.887E-04		9964	.270E-04
32	12679	.102E-03		15846	.245E-03		13213	.467E-04
33	12622	.101E-03		16729	.268E-03		16083	.641E-04
34	12039	.817E-04		14758	.216E-03		16350	.658E-04
35	13755	.137E-03		15776	.243E-03		14730	.559E-04
36	14071	.147E-03		17435	.287E-03		19719	.862E-04
37	12388	.930E-04		14725	.215E-03		18660	.798E-04
38	15934	.208E-03		16380	.259E-03		16199	.648E-04
39	15583	.196E-03		17217	.282E-03		20416	.904E-04
40	12937	.111E-03		14118	.198E-03		18420	.783E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.413E-04
.128E-03
.227E-03
.296E-03
.268E-03
.207E-03
.934E-04
.370E-04
.335E-03
.475E-03
.328E-03
.486E-03
.555E-03
.391E-03
.510E-03
.555E-03
.345E-03
.119E-03
.152E-03
.394E-03
.433E-03
.363E-03
.436E-03
.521E-03
.388E-03
.532E-03
.568E-03
.388E-03

RUN # 262RR

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.06 M/S	11.18 M/S
EXIT VEL.	2.42 M/S	25.57 M/S
VOL. FLOW	.28E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.52E+04	
CALIBRATION FACTOR	.40E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.06 M/S	11.18 M/S
EXIT VEL.	2.13 M/S	22.57 M/S
VOL. FLOW	.30E+03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	*****	
CALIBRATION FACTOR	.21E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.06 M/S	11.18 M/S
EXIT VEL.	2.08 M/S	22.07 M/S
VOL. FLOW	.29E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	*****	
CALIBRATION FACTOR	.14E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	5245	.156E-06	*****	*****	*****	*****	.156E-06
2	5461	.688E-05	1810	.468E-04	1039	.608E-05	.598E-04
3	5944	.219E-04	4302	.111E-03	2813	.165E-04	.150E-03
4	6147	.283E-04	3712	.960E-04	5551	.325E-04	.157E-03
5	5714	.148E-04	4612	.119E-03	6254	.366E-04	.171E-03
6	5311	.221E-05	2646	.684E-04	5203	.304E-04	.101E-03
7	5235	*****	1272	.329E-04	2631	.154E-04	.483E-04
8	5174	*****	476	.123E-04	*****	*****	.123E-04
9	5699	.140E-04	1484	.384E-04	1006	.588E-05	.582E-04
10	7425	.681E-04	5682	.147E-03	4350	.254E-04	.240E-03
11	7671	.757E-04	7915	.205E-03	9624	.563E-04	.337E-03
12	6318	.336E-04	5972	.154E-03	10380	.607E-04	.249E-03
13	5408	.523E-05	2287	.591E-04	4895	.286E-04	.930E-04
14	5179	*****	588	.152E-04	879	.514E-05	.203E-04
15	5904	.207E-04	1183	.306E-04	805	.471E-05	.560E-04
16	5289	.153E-05	2573	.665E-04	4437	.259E-04	.940E-04
17	9173	.123E-03	7410	.192E-03	8376	.490E-04	.363E-03
18	8147	.906E-04	8421	.218E-03	13988	.818E-04	.390E-03
19	6406	.363E-04	5826	.151E-03	11724	.686E-04	.256E-03
20	5528	.897E-05	2626	.679E-04	6025	.352E-04	.112E-03
21	5304	.199E-05	1355	.350E-04	2500	.146E-04	.516E-04
22	6995	.547E-04	1585	.410E-04	943	.552E-05	.101E-03
23	9164	.122E-03	3492	.903E-04	2479	.145E-04	.227E-03
24	10660	.169E-03	6275	.162E-03	6429	.376E-04	.369E-03
25	8208	.925E-04	6567	.170E-03	11700	.684E-04	.331E-03
26	8909	.252E-04	4049	.105E-03	10140	.593E-04	.189E-03
27	8507	.832E-05	2425	.627E-04	6219	.364E-04	.107E-03
28	5283	.134E-05	1141	.295E-04	2563	.150E-04	.458E-04
29	5274	.106E-05	1695	.438E-04	1020	.597E-05	.508E-04
30	5290	.156E-05	2066	.534E-04	1716	.100E-04	.650E-04
31	5243	.935E-07	2344	.606E-04	3099	.181E-04	.788E-04
32	6696	.454E-04	5693	.147E-03	4405	.258E-04	.218E-03
33	6788	.482E-04	7359	.190E-03	9280	.343E-04	.259E-03
34	6189	.296E-04	6641	.172E-03	9849	.376E-04	.293E-03
35	8740	.109E-03	7114	.184E-03	6787	.397E-04	.333E-03
36	8009	.863E-04	8236	.213E-03	11803	.690E-04	.358E-03
37	6521	.399E-04	6183	.160E-03	11930	.698E-04	.270E-03
38	9813	.142E-03	7386	.191E-03	8519	.498E-04	.383E-03
39	8115	.896E-04	7827	.202E-03	13756	.805E-04	.372E-03
40	6422	.368E-04	5289	.137E-03	10322	.604E-04	.234E-03

RUN # 263

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.28 M/S	13.41 M/S
EXIT VEL.	2.42 M/S	25.57 M/S
VOL. FLOW	.28E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.61E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.28 M/S	13.41 M/S
EXIT VEL.	2.13 M/S	22.57 M/S
VOL. FLOW	.30E-03M3/S	.29E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.16E+04	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.28 M/S	13.41 M/S
EXIT VEL.	2.08 M/S	22.07 M/S
VOL. FLOW	.29E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.17E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	6656	.173E-04	2383	.213E-04	2282	.385E-05	.425E-04
2	7456	.433E-04	6032	.120E-03	6372	.288E-04	.192E-03
3	9276	.103E-03	12237	.287E-03	12366	.654E-04	.455E-03
4	9683	.116E-03	15985	.389E-03	20859	.117E-03	.622E-03
5	8301	.708E-04	12824	.303E-03	20237	.114E-03	.488E-03
6	6817	.225E-04	6877	.143E-03	14278	.771E-04	.242E-03
7	6401	.901E-05	3821	.601E-04	8605	.425E-04	.112E-03
8	6598	.154E-04	2034	.119E-04	1975	.197E-05	.293E-04
9	8149	.659E-04	4329	.738E-04	4832	.194E-04	.159E-03
10	13808	.250E-03	16907	.413E-03	19314	.108E-03	.771E-03
11	13583	.243E-03	19547	.485E-03	26889	.154E-03	.882E-03
12	9041	.949E-04	11106	.257E-03	19891	.111E-03	.463E-03
13	6574	.146E-04	4511	.788E-04	9518	.480E-04	.141E-03
14	6191	.218E-05	1899	.824E-05	2575	.564E-05	.161E-04
15	7085	.313E-04	2523	.251E-04	2242	.360E-05	.600E-04
16	13935	.254E-03	12599	.297E-03	13248	.708E-04	.622E-03
17	17859	.382E-03	20961	.523E-03	26233	.150E-03	.105E-02
18	15177	.295E-03	19582	.486E-03	28949	.167E-03	.947E-03
19	9654	.115E-03	9938	.225E-03	18678	.104E-03	.444E-03
20	6936	.264E-04	4184	.699E-04	8390	.412E-04	.138E-03
21	6124	*****	2328	.198E-04	3815	.132E-04	.330E-04
22	8745	.853E-04	3744	.581E-04	3124	.899E-05	.152E-03
23	12715	.214E-03	7849	.169E-03	7343	.348E-04	.418E-03
24	16488	.337E-03	16624	.406E-03	20857	.117E-03	.866E-03
25	11866	.187E-03	13028	.309E-03	20877	.117E-03	.613E-03
26	8845	.885E-04	7854	.169E-03	13349	.714E-04	.329E-03
27	7779	.321E-04	4324	.737E-04	7779	.374E-04	.143E-03
28	6508	.125E-04	2678	.293E-04	4864	.196E-04	.614E-04
29	6530	.132E-04	4523	.791E-04	4117	.151E-04	.107E-03
30	5948	*****	4811	.869E-04	4790	.192E-04	.106E-03
31	6246	.397E-05	6376	.129E-03	9720	.493E-04	.182E-03
32	12876	.220E-03	17284	.427E-03	19092	.107E-03	.750E-03
33	12448	.206E-03	19272	.477E-03	24397	.139E-03	.822E-03
34	9565	.112E-03	14583	.351E-03	22111	.125E-03	.588E-03
35	16859	.349E-03	19833	.492E-03	24360	.139E-03	.980E-03
36	15228	.296E-03	20274	.504E-03	29162	.168E-03	.962E-03
37	9718	.117E-03	11580	.270E-03	20939	.118E-03	.504E-03
38	17691	.376E-03	19413	.481E-03	24070	.137E-03	.994E-03
39	14667	.278E-03	17244	.423E-03	25180	.144E-03	.844E-03
40	8908	.906E-04	8144	.177E-03	15264	.831E-04	.351E-03

RUN # 263R

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.28 M/S	13.41 M/S
EXIT VEL.	2.42 M/S	25.57 M/S
VOL. FLOW	.28E+03M3/S	.27E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.63E+04	
CALIBRATION FACTOR	.40E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	6344	.999E-06
2	7354	.335E-04
3	8894	.832E-04
4	9681	.109E-03
5	8451	.689E-04
6	7238	.298E-04
7	6313	*****
8	4676	*****
9	8872	.825E-04
10	13205	.222E-03
11	13591	.235E-03
12	10200	.125E-03
13	7270	.308E-04
14	6220	*****
15	10286	.128E-03
16	13597	.312E-03
17	17599	.364E-03
18	16558	.330E-03
19	10996	.151E-03
20	8068	.566E-04
21	6927	.198E-04
22	8869	.824E-04
23	14496	.264E-03
24	19292	.418E-03
25	14492	.264E-03
26	10370	.131E-03
27	7881	.505E-04
28	7023	.229E-04
29	6458	.467E-05
30	6821	.164E-04
31	6599	.922E-05
32	11263	.160E-03
33	11818	.177E-03
34	9519	.103E-03
35	16463	.327E-03
36	14821	.274E-03
37	11111	.155E-03
38	18722	.400E-03
39	16037	.313E-03
40	10602	.138E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.28 M/S	13.41 M/S
EXIT VEL.	2.13 M/S	22.57 M/S
VOL. FLOW	.30E+03M3/S	.29E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.13E+04	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2143	.224E-04
6004	.126E-03
13329	.321E-03
17909	.444E-03
15251	.373E-03
10370	.242E-03
4640	.891E-04
1671	.973E-05
5802	.120E-03
16808	.414E-03
25051	.635E-03
17814	.441E-03
7083	.154E-03
2155	.227E-04
5419	.110E-03
13693	.333E-03
21210	.532E-03
24166	.611E-03
14938	.364E-03
7678	.170E-03
3460	.576E-04
3360	.543E-04
9270	.213E-03
19895	.497E-03
18092	.449E-03
10889	.256E-03
5574	.114E-03
3265	.524E-04
5007	.989E-04
6231	.132E-03
7941	.177E-03
18651	.464E-03
23197	.585E-03
18787	.467E-03
20820	.522E-03
24663	.625E-03
17442	.431E-03
21829	.549E-03
22177	.558E-03
13324	.321E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.28 M/S	13.41 M/S
EXIT VEL.	2.08 M/S	22.07 M/S
VOL. FLOW	.29E+03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1795	.338E-05
4238	.182E-04
10457	.558E-04
20275	.115E-03
24908	.143E-03
19742	.112E-03
10581	.565E-04
1537	.182E-05
4582	.202E-04
17167	.964E-04
34558	.202E-03
29474	.171E-03
15535	.865E-04
3890	.161E-04
4009	.168E-04
13460	.739E-04
26433	.152E-03
35437	.207E-03
25743	.148E-03
13865	.764E-04
5189	.239E-04
2749	.915E-05
8648	.448E-04
23553	.135E-03
27421	.158E-03
17908	.101E-03
8896	.463E-04
4273	.184E-04
3638	.145E-04
5926	.284E-04
10021	.531E-04
17410	.978E-04
28523	.165E-03
31875	.185E-03
23149	.133E-03
34960	.204E-03
28433	.165E-03
26982	.156E-03
32429	.189E-03
23089	.132E-03

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.267E-04
.177E-03
.460E-03
.668E-03
.585E-03
.384E-03
.146E-03
.116E-04
.223E-03
.733E-03
.107E-02
.737E-03
.272E-03
.387E-04
.255E-03
.717E-03
.105E-02
.115E-02
.664E-03
.303E-03
.101E-03
.146E-03
.521E-03
.105E-02
.871E-03
.488E-03
.211E-03
.936E-03
.118E-03
.176E-03
.240E-03
.721E-03
.928E-03
.756E-03
.981E-03
.110E-02
.751E-03
.110E-02
.106E-02
.592E-03

RUN # 264

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	.89 M/S	8.94 M/S
EXIT VEL.	1.11 M/S	11.22 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.58E+04	
CALIBRATION FACTOR	.40E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	.89 M/S	8.94 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.89E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	.89 M/S	8.94 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	6250	.161E-04	1412	.125E-04	1408	.896E-06	.295E-04
2	7527	.601E-04	3319	.577E-04	3599	.851E-05	.126E-03
3	8669	.995E-04	6031	.122E-03	9077	.275E-04	.249E-03
4	9395	.125E-03	8386	.178E-03	15473	.498E-04	.352E-03
5	8130	.809E-04	6888	.142E-03	16030	.517E-04	.275E-03
6	6710	.320E-04	3904	.716E-04	10429	.322E-04	.136E-03
7	5937	.531E-05	2108	.290E-04	4957	.132E-04	.475E-04
8	5850	.231E-05	1008	.292E-05	1255	.365E-06	.559E-05
9	7112	.458E-04	2400	.359E-04	2707	.541E-05	.872E-04
10	10263	.154E-03	7249	.151E-03	9581	.293E-04	.335E-03
11	10429	.160E-03	8955	.191E-03	16236	.524E-04	.404E-03
12	7273	.514E-04	5200	.102E-03	11925	.374E-04	.191E-03
13	6256	.163E-04	2535	.391E-04	5785	.161E-04	.715E-04
14	5803	.690E-06	1283	.944E-05	2211	.369E-05	.138E-04
15	7493	.590E-04	2215	.315E-04	2068	.319E-05	.937E-04
16	11356	.192E-03	5523	.110E-03	6000	.168E-04	.319E-03
17	11842	.209E-03	8531	.181E-03	12458	.393E-04	.429E-03
18	9907	.142E-03	8373	.178E-03	16705	.540E-04	.374E-03
19	8069	.788E-04	5893	.119E-03	12006	.377E-04	.235E-03
20	6830	.361E-04	3472	.613E-04	7310	.214E-04	.119E-03
21	5964	.624E-05	1608	.171E-04	3221	.719E-05	.306E-04
22	8690	.100E-03	3021	.506E-04	2377	.426E-05	.155E-03
23	11356	.192E-03	4931	.959E-04	4651	.122E-04	.300E-03
24	12713	.239E-03	8419	.179E-03	12399	.391E-04	.457E-03
25	9702	.135E-03	7868	.166E-03	14051	.448E-04	.346E-03
26	8005	.766E-04	5859	.118E-03	10809	.336E-04	.228E-03
27	6955	.404E-04	3528	.627E-04	6160	.174E-04	.120E-03
28	6093	.107E-04	1864	.232E-04	3092	.675E-05	.406E-04
29	7153	.472E-04	3839	.700E-04	2946	.624E-05	.124E-03
30	6818	.357E-04	5106	.100E-03	9417	.287E-04	.164E-03
31	10039	.147E-03	7889	.166E-03	10593	.328E-04	.346E-03
32	9870	.141E-03	9348	.201E-03	17496	.568E-04	.398E-03
33	8266	.856E-04	6976	.144E-03	16802	.544E-04	.284E-03
34	11312	.191E-03	8010	.169E-03	11382	.355E-04	.395E-03
35	10466	.161E-03	9264	.199E-03	16022	.517E-04	.412E-03
36	7960	.751E-04	6686	.138E-03	13041	.413E-04	.254E-03
37	12507	.232E-03	8965	.192E-03	12958	.410E-04	.464E-03
38	9548	.130E-03	7658	.161E-03	15505	.499E-04	.340E-03
39	7842	.710E-04	5377	.107E-03	11615	.364E-04	.214E-03

RUN # 265

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.11 M/S	11.18 M/S
EXIT VEL.	1.11 M/S	11.22 M/S
VOL. FLOW	.13E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.54E+04	
CALIBRATION FACTOR	.40E+03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.11 M/S	11.18 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.57E+03	
CALIBRATION FACTOR	.22E+03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.11 M/S	11.18 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.97E+03	
CALIBRATION FACTOR	.15E+03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	7197	.613E-04	3990	.808E-04	2182	.419E-05	.146E-03
2	12326	.238E-03	16508	.377E-03	7736	.234E-04	.638E-03
3	20483	.518E-03	38003	.885E-03	23574	.783E-04	.148E-02
4	23102	.608E-03	52420	.123E-02	45323	.154E-03	.199E-02
5	17571	.418E-03	50376	.118E-02	52709	.179E-03	.177E-02
6	9269	.133E-03	27775	.643E-03	41137	.139E-03	.915E-03
7	6496	.372E-04	11620	.261E-03	24364	.810E-04	.379E-03
8	6141	.250E-04	1914	.317E-04	1574	.208E-05	.587E-04
9	12398	.240E-03	11579	.260E-03	6308	.185E-04	.519E-03
10	24524	.657E-03	35448	.825E-03	26424	.882E-04	.157E-02
11	27833	.771E-03	49904	.117E-02	49778	.169E-03	.211E-02
12	15616	.351E-03	34824	.810E-03	43676	.148E-03	.131E-02
13	8123	.931E-04	15102	.344E-03	24519	.816E-04	.518E-03
14	5656	.829E-05	2975	.568E-04	5562	.159E-04	.810E-04
15	8460	.105E-03	3784	.759E-04	3070	.727E-05	.188E-03
16	19573	.487E-03	19177	.440E-03	14673	.475E-04	.974E-03
17	26929	.740E-03	31993	.743E-03	29752	.997E-04	.158E-02
18	23977	.638E-03	34246	.796E-03	36678	.124E-03	.156E-02
19	14428	.310E-03	20933	.481E-03	27811	.930E-04	.884E-03
20	7701	.786E-04	8080	.177E-03	13693	.441E-04	.300E-03
21	5897	.166E-04	2999	.573E-04	5620	.161E-04	.900E-04
22	9711	.148E-03	4782	.995E-04	3660	.931E-05	.257E-03
23	17237	.407E-03	13216	.299E-03	10423	.327E-04	.738E-03
24	22407	.584E-03	22600	.521E-03	21184	.700E-04	.118E-02
25	16127	.368E-03	17599	.403E-03	20955	.692E-04	.840E-03
26	10129	.162E-03	9356	.208E-03	13200	.424E-04	.412E-03
27	7314	.653E-04	4579	.947E-04	7189	.215E-04	.182E-03
28	6146	.251E-04	2518	.460E-04	4115	.109E-04	.820E-04
29	10061	.160E-03	18832	.432E-03	10301	.323E-04	.624E-03
30	9841	.152E-03	25955	.600E-03	19368	.637E-04	.816E-03
31	10331	.169E-03	39213	.914E-03	37440	.126E-03	.121E-02
32	24828	.668E-03	42783	.998E-03	29929	.100E-03	.177E-02
33	25285	.683E-03	55575	.130E-02	48887	.166E-03	.215E-02
34	20125	.506E-03	49739	.116E-02	52396	.178E-03	.185E-02
35	26803	.735E-03	33582	.781E-03	28391	.950E-04	.161E-02
36	28365	.789E-03	44141	.103E-02	43709	.148E-03	.197E-02
37	15747	.355E-03	28419	.658E-03	35922	.121E-03	.113E-02
38	25874	.704E-03	29008	.672E-03	27891	.933E-04	.147E-02
39	21603	.557E-03	28283	.655E-03	31044	.104E-03	.132E-02
40	12411	.241E-03	15873	.362E-03	21970	.727E-04	.675E-03

RUN # 266

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	1.11 M/S	11.22 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.52E+04	
CALIBRATION FACTOR	.40E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.51E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.98E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	7231	.678E-04	4858	.102E-03	3104	.729E-05	.177E-03
2	18361	.447E-03	28820	.664E-03	17079	.553E-04	.117E-02
3	31436	.893E-03	62499	.145E-02	40493	.136E-03	.248E-02
4	39315	.116E-02	85224	.199E-02	65561	.222E-03	.337E-02
5	28310	.786E-03	82661	.193E-02	86367	.293E-03	.301E-02
6	17393	.414E-03	55722	.129E-02	68677	.233E-03	.194E-02
7	10038	.164E-03	25362	.583E-03	37610	.126E-03	.872E-03
8	15145	.308E-04	1975	.343E-04	1835	.293E-05	.680E-04
9	15110	.336E-03	12959	.292E-03	8288	.251E-04	.653E-03
10	36413	.106E-02	49242	.114E-02	36354	.121E-03	.233E-02
11	44259	.133E-02	72126	.168E-02	65791	.223E-03	.323E-02
12	26996	.742E-03	55430	.129E-02	61156	.207E-03	.224E-02
13	12197	.237E-03	23473	.538E-03	34027	.114E-03	.889E-03
14	6426	.404E-04	6651	.144E-03	9995	.310E-04	.215E-03
15	8646	.116E-03	4025	.824E-04	3341	.810E-05	.207E-03
16	22830	.600E-03	22085	.506E-03	16500	.533E-04	.116E-02
17	34281	.990E-03	42041	.974E-03	36646	.123E-03	.209E-02
18	33525	.964E-03	46072	.107E-02	46915	.158E-03	.219E-02
19	21553	.556E-03	31721	.732E-03	36434	.122E-03	.141E-02
20	11502	.213E-03	15523	.352E-03	20092	.656E-04	.631E-03
21	7102	.634E-04	5994	.129E-03	7896	.237E-04	.216E-03
22	8379	.107E-03	3384	.674E-04	3184	.756E-05	.182E-03
23	15689	.356E-03	12642	.284E-03	10525	.328E-04	.673E-03
24	23771	.632E-03	25771	.592E-03	23656	.779E-04	.130E-02
25	18432	.450E-03	22291	.511E-03	24605	.811E-04	.104E-02
26	12306	.241E-03	13410	.302E-03	15655	.504E-04	.594E-03
27	8045	.956E-04	6385	.138E-03	7999	.241E-04	.257E-03
28	6094	.290E-04	2790	.534E-04	3955	.102E-04	.927E-04
29	14685	.322E-03	36727	.849E-03	19141	.624E-04	.123E-02
30	13770	.291E-03	40961	.948E-03	26164	.865E-04	.133E-02
31	15476	.349E-03	68602	.160E-02	64785	.219E-03	.216E-02
32	32268	.116E-02	61750	.144E-02	44027	.148E-03	.274E-02
33	45632	.131E-02	80738	.188E-02	70143	.238E-03	.343E-02
34	34922	.101E-02	77678	.181E-02	79118	.268E-03	.309E-02
35	37509	.110E-02	46916	.109E-02	38109	.128E-03	.232E-02
36	40758	.121E-02	59729	.139E-02	58002	.195E-03	.280E-02
37	25495	.690E-03	43566	.101E-02	30265	.169E-03	.187E-02
38	30862	.873E-03	36835	.852E-03	33461	.112E-03	.184E-02
39	27136	.746E-03	35979	.832E-03	37599	.126E-03	.170E-02
40	17684	.424E-03	24016	.551E-03	27716	.918E-04	.107E-02

RUN # 266R

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	1.11 M/S	11.22 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.53E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.76E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.67E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	8187	.101E-03	6292	.132E-03	3179	.874E-05	.242E-03
2	23467	.630E-03	30346	.704E-03	14571	.484E-04	.138E-02
3	39357	.115E-02	64460	.152E-02	38573	.132E-03	.283E-02
4	46245	.142E-02	92095	.217E-02	73627	.254E-03	.385E-02
5	33561	.979E-03	91871	.217E-02	94140	.326E-03	.347E-02
6	17696	.430E-03	58892	.138E-02	81622	.282E-03	.210E-02
7	10147	.169E-03	31377	.728E-03	49258	.169E-03	.107E-02
8	5889	.218E-04	1692	.221E-04	1228	.193E-05	.459E-04
9	19129	.480E-03	17190	.391E-03	9513	.308E-04	.902E-03
10	42553	.129E-02	52724	.124E-02	34801	.119E-03	.265E-02
11	50962	.158E-02	79178	.187E-02	73041	.252E-03	.370E-02
12	32281	.935E-03	60886	.143E-02	69842	.241E-03	.261E-02
13	13335	.279E-03	28639	.663E-03	42215	.145E-03	.109E-02
14	6935	.580E-04	7178	.153E-03	11698	.384E-04	.249E-03
15	10961	.197E-03	6763	.143E-03	3887	.112E-04	.351E-03
16	26039	.719E-03	24521	.565E-03	16926	.567E-04	.134E-02
17	38300	.114E-02	42915	.100E-02	34690	.119E-03	.226E-02
18	39623	.119E-02	51472	.121E-02	49449	.170E-03	.257E-02
19	24715	.673E-03	36108	.841E-03	40612	.139E-03	.165E-02
20	13425	.283E-03	19301	.441E-03	24994	.848E-04	.808E-03
21	7660	.831E-04	7408	.158E-03	10286	.335E-04	.275E-03
22	7688	.841E-04	2960	.523E-04	2072	.488E-05	.141E-03
23	14182	.309E-03	10307	.227E-03	7452	.236E-04	.559E-03
24	24831	.677E-03	24971	.576E-03	21266	.718E-04	.132E-02
25	24211	.656E-03	28208	.653E-03	27625	.940E-04	.140E-02
26	13612	.289E-03	14885	.336E-03	16992	.569E-04	.682E-03
27	9082	.132E-03	7654	.164E-03	9008	.291E-04	.325E-03
28	6800	.534E-04	3740	.708E-04	4498	.133E-04	.138E-03
29	18215	.448E-03	44015	.103E-02	22527	.762E-04	.155E-02
30	22552	.598E-03	78968	.186E-02	50426	.173E-03	.263E-02
31	16445	.387E-03	78817	.186E-02	69574	.240E-03	.248E-02
32	45170	.136E-02	64964	.153E-02	42489	.146E-03	.305E-02
33	51289	.159E-02	89877	.212E-02	76554	.265E-03	.398E-02
34	38239	.114E-02	81798	.193E-02	86199	.298E-03	.337E-02
35	40518	.122E-02	46947	.110E-02	34733	.119E-03	.244E-02
36	46437	.142E-02	63331	.149E-02	59247	.204E-03	.312E-02
37	29883	.852E-03	49216	.115E-02	54774	.189E-03	.219E-02
38	33906	.991E-03	37580	.876E-03	31931	.109E-03	.198E-02
39	34471	.101E-02	43868	.103E-02	42274	.145E-03	.218E-02
40	20663	.533E-03	27880	.645E-03	31643	.108E-03	.129E-02

RUN # 267

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.84 M/S	8.94 M/S
EXIT VEL.	2.42 M/S	25.57 M/S
VOL. FLOW	.28E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.51E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.84 M/S	8.94 M/S
EXIT VEL.	2.13 M/S	22.57 M/S
VOL. FLOW	.30E-03M3/S	.29E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.84 M/S	8.94 M/S
EXIT VEL.	2.08 M/S	22.07 M/S
VOL. FLOW	.29E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	*****	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	5082	.227E-06	1160	.431E-06	*****	*****	.658E-06
2	5161	.279E-05	1196	.140E-05	*****	*****	.419E-05
3	5062	*****	1282	.371E-05	*****	*****	.371E-05
4	5117	.136E-05	1380	.635E-05	648	.394E-05	.117E-04
5	5100	.811E-06	1319	.471E-05	720	.438E-05	.990E-05
6	5077	.649E-07	1264	.323E-05	*****	*****	.329E-05
7	5075	*****	1186	.113E-05	*****	*****	.113E-05
8	5049	*****	1160	.431E-06	*****	*****	.431E-06
9	5064	*****	1089	*****	*****	*****	*****
10	5183	.350E-05	1701	.150E-04	795	.484E-05	.233E-04
11	5201	.409E-05	1963	.220E-04	1176	.716E-05	.333E-04
12	5096	.681E-06	1589	.120E-04	1029	.626E-05	.189E-04
13	5102	.875E-06	1330	.500E-05	790	.481E-05	.107E-04
14	5063	*****	1150	.161E-06	*****	*****	.161E-06
15	5043	*****	1028	*****	*****	*****	*****
16	5221	.473E-05	1857	.192E-04	847	.516E-05	.291E-04
17	5296	.717E-05	2461	.354E-04	1870	.114E-04	.540E-04
18	5264	.613E-05	2596	.391E-04	2446	.149E-04	.601E-04
19	5136	.198E-05	2109	.260E-04	2030	.124E-04	.403E-04
20	5068	*****	1449	.821E-05	1099	.669E-05	.149E-04
21	5090	.486E-06	1297	.412E-05	*****	*****	.461E-05
22	5361	.927E-05	1438	.791E-05	*****	*****	.172E-04
23	5440	.118E-04	1758	.165E-04	786	.478E-05	.331E-04
24	5715	.208E-04	2484	.361E-04	2380	.145E-04	.713E-04
25	5328	.820E-05	2608	.394E-04	4396	.268E-04	.744E-04
26	5186	.360E-05	2184	.280E-04	3833	.233E-04	.549E-04
27	5099	.778E-06	1603	.124E-04	2087	.127E-04	.258E-04
28	5092	.551E-06	1390	.662E-05	1284	.782E-05	.150E-04
29	5075	*****	1193	.132E-05	*****	*****	.132E-05
30	5075	*****	1211	.180E-05	*****	*****	.180E-05
31	5141	.214E-05	1604	.124E-04	775	.472E-05	.192E-04
32	5111	.117E-05	1685	.146E-04	879	.535E-05	.211E-04
33	5083	.259E-06	1603	.124E-04	932	.567E-05	.183E-04
34	5275	.649E-05	2382	.333E-04	1294	.788E-05	.477E-04
35	5202	.412E-05	2503	.366E-04	1870	.114E-04	.521E-04
36	5124	.159E-05	2091	.255E-04	1663	.101E-04	.372E-04
37	5328	.820E-05	2723	.425E-04	2132	.130E-04	.637E-04
38	5254	.580E-05	2864	.463E-04	2919	.178E-04	.699E-04
39	5160	.276E-05	2345	.323E-04	2131	.130E-04	.480E-04

RUN # 268

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.06 M/S	11.18 M/S
EXIT VEL.	2.42 M/S	25.57 M/S
VOL. FLOW	.28E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.52E+04	
CALIBRATION FACTOR	.40E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.06 M/S	11.18 M/S
EXIT VEL.	2.13 M/S	22.57 M/S
VOL. FLOW	.30E-03M3/S	.29E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.66E+03	
CALIBRATION FACTOR	.21E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.06 M/S	11.18 M/S
EXIT VEL.	2.08 M/S	22.07 M/S
VOL. FLOW	.29E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.66E+03	
CALIBRATION FACTOR	.14E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	5298	.188E-05	659	.260E-07	1	*****	.190E-05
2	5300	.194E-05	788	.338E-05	665	.294E-07	.535E-05
3	5342	.326E-05	1026	.956E-05	884	.132E-05	.141E-04
4	5331	.291E-05	1189	.138E-04	1316	.385E-05	.206E-04
5	5328	.282E-05	1029	.964E-05	1374	.420E-05	.166E-04
6	5312	.232E-05	918	.675E-05	1162	.295E-05	.120E-04
7	5238	*****	733	.195E-05	836	.103E-05	.238E-05
8	5294	.175E-05	668	.260E-06	1	*****	.201E-05
9	5371	.416E-05	843	.481E-05	692	.188E-06	.916E-05
10	5661	.132E-04	1692	.269E-04	1694	.608E-05	.462E-04
11	5681	.139E-04	1930	.330E-04	2531	.110E-04	.579E-04
12	5406	.526E-05	1439	.203E-04	2177	.891E-05	.345E-04
13	5340	.319E-05	964	.795E-05	1172	.301E-05	.141E-04
14	5314	.238E-05	706	.125E-05	664	.235E-07	.365E-05
15	5420	.570E-05	715	.148E-05	1	*****	.718E-05
16	6209	.304E-04	1863	.313E-04	1710	.617E-05	.679E-04
17	6901	.521E-04	3274	.679E-04	3444	.164E-04	.136E-03
18	6268	.322E-04	3018	.613E-04	4316	.215E-04	.115E-03
19	5709	.147E-04	2034	.357E-04	3471	.165E-04	.670E-04
20	5374	.426E-05	1150	.128E-04	1861	.706E-05	.241E-04
21	5308	.219E-05	830	.447E-05	1080	.247E-05	.913E-05
22	6101	.270E-04	919	.678E-05	726	.388E-06	.342E-04
23	7332	.655E-04	1706	.272E-04	1410	.441E-05	.972E-04
24	8092	.893E-04	2927	.589E-04	3452	.164E-04	.165E-03
25	7028	.560E-04	3541	.749E-04	6183	.325E-04	.163E-03
26	5814	.180E-04	2518	.483E-04	4900	.249E-04	.913E-04
27	5459	.592E-05	1605	.246E-04	3034	.139E-04	.455E-04
28	5364	.394E-05	1036	.982E-05	1867	.709E-05	.209E-04
29	5278	.125E-05	771	.292E-05	1	*****	.419E-05
30	5216	*****	780	.317E-05	709	.288E-06	.346E-05
31	5284	.144E-05	843	.481E-05	871	.124E-03	.738E-05
32	5481	.761E-05	1452	.206E-04	1478	.481E-05	.330E-04
33	5510	.851E-05	1616	.249E-04	2110	.852E-05	.419E-04
34	5359	.379E-05	1448	.205E-04	2132	.865E-05	.330E-04
35	6125	.278E-04	2444	.464E-04	2573	.112E-04	.854E-04
36	5945	.221E-04	2794	.555E-04	3602	.173E-04	.949E-04
37	5555	.992E-05	1951	.336E-04	2792	.125E-04	.560E-04
38	7139	.595E-04	3223	.666E-04	3937	.193E-04	.145E-03
39	6758	.476E-04	3118	.639E-04	4999	.255E-04	.137E-03
40	5772	.167E-04	2227	.408E-04	4045	.199E-04	.774E-04

RUN # 269

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.28 M/S	13.41 M/S
EXIT VEL.	2.42 M/S	25.57 M/S
VOL. FLOW	.28E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.47E+04	
CALIBRATION FACTOR	.41E+03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.28 M/S	13.41 M/S
EXIT VEL.	2.13 M/S	22.57 M/S
VOL. FLOW	.30E+03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.45E+04	
CALIBRATION FACTOR	.22E+03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.28 M/S	13.41 M/S
EXIT VEL.	2.08 M/S	22.07 M/S
VOL. FLOW	.29E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	*****	
CALIBRATION FACTOR	.15E+03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	4725	.560E-06	4568	.276E-05	*****	*****	.332E-05
2	4780	.237E-05	5219	.206E-04	*****	*****	.230E-04
3	4928	.725E-05	6436	.538E-04	731	.452E-05	.656E-04
4	5118	.135E-04	8089	.990E-04	1427	.882E-05	.121E-03
5	4928	.725E-05	7868	.930E-04	1787	.111E-04	.111E-03
6	4865	.517E-05	6495	.554E-04	1408	.871E-05	.693E-04
7	4350	*****	5169	.192E-04	713	.441E-05	.236E-04
8	4708	*****	4647	.492E-05	*****	*****	.492E-05
9	5036	.108E-04	4090	*****	*****	*****	.108E-04
10	6058	.445E-04	10656	.169E-03	2378	.147E-04	.228E-03
11	6237	.504E-04	13241	.240E-03	5688	.352E-04	.325E-03
12	5194	.160E-04	9357	.134E-03	4780	.296E-04	.179E-03
13	4818	.362E-05	6294	.499E-04	2687	.166E-04	.702E-04
14	4712	.132E-06	4736	.735E-05	*****	*****	.748E-05
15	5686	.322E-04	5151	.187E-04	*****	*****	.509E-04
16	8507	.125E-03	10662	.169E-03	3198	.198E-04	.314E-03
17	9493	.158E-03	13849	.311E-03	7549	.467E-04	.515E-03
18	7951	.108E-03	15800	.310E-03	10243	.633E-04	.481E-03
19	6207	.494E-04	11546	.193E-03	8022	.496E-04	.292E-03
20	5096	.128E-04	7057	.708E-04	3988	.247E-04	.108E-03
21	4918	.692E-05	5365	.245E-04	1237	.765E-05	.331E-04
22	6306	.526E-04	5885	.388E-04	673	.416E-05	.956E-04
23	9437	.156E-03	9727	.144E-03	2793	.173E-04	.317E-03
24	11257	.216E-03	15424	.299E-03	9008	.557E-04	.571E-03
25	9056	.143E-03	14276	.268E-03	11274	.697E-04	.481E-03
26	6498	.590E-04	9864	.148E-03	7799	.482E-04	.255E-03
27	5430	.238E-04	6868	.656E-04	3976	.246E-04	.114E-03
28	4943	.774E-05	5307	.230E-04	1969	.122E-04	.429E-04
29	4706	*****	4630	.446E-05	*****	*****	.446E-05
30	4744	.119E-05	4463	*****	*****	*****	.119E-05
31	4696	*****	5023	.152E-04	*****	*****	.152E-04
32	5573	.285E-04	9606	.140E-03	1431	.885E-05	.178E-03
33	5382	.222E-04	10845	.174E-03	2863	.177E-04	.214E-03
34	5149	.145E-04	9604	.140E-03	3654	.226E-04	.178E-03
35	8209	.115E-03	15265	.295E-03	6232	.385E-04	.449E-03
36	7389	.883E-04	15953	.314E-03	8130	.503E-04	.453E-03
37	5548	.277E-04	11113	.182E-03	7258	.449E-04	.254E-03
38	10287	.184E-03	16566	.331E-03	8626	.533E-04	.568E-03
39	9028	.142E-03	16475	.328E-03	11317	.700E-04	.541E-03
40	6558	.609E-04	11888	.203E-03	8650	.535E-04	.317E-03

RUN # 301

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.13 M/S	11.18 M/S
EXIT VEL.	1.11 M/S	11.22 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.53E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.13 M/S	11.18 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.60E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.13 M/S	11.18 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.24E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	8955	.128E-03
2	14485	.322E-03
3	21321	.562E-03
4	20134	.520E-03
5	15194	.347E-03
6	8608	.116E-03
7	5662	.126E-04
8	7376	.727E-04
9	11846	.230E-03
10	26506	.744E-03
11	25990	.726E-03
12	15526	.359E-03
13	7179	.658E-04
14	5378	.267E-05
15	12521	.253E-03
16	21533	.569E-03
17	27350	.773E-03
18	24572	.676E-03
19	16803	.403E-03
20	8907	.126E-03
21	5957	.230E-04
22	8448	.110E-03
23	15333	.352E-03
24	22860	.616E-03
25	18438	.461E-03
26	10569	.185E-03
27	7041	.610E-04
28	5837	.188E-04
29	10494	.182E-03
30	10592	.186E-03
31	7037	.609E-04
32	25306	.702E-03
33	24192	.663E-03
34	18138	.450E-03
35	27461	.777E-03
36	26067	.728E-03
37	18213	.453E-03
38	27067	.763E-03
39	21661	.574E-03
40	14102	.309E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
6562	.144E-03
15902	.370E-03
31394	.745E-03
35906	.854E-03
33786	.803E-03
18358	.430E-03
5421	.117E-03
3561	.717E-04
13789	.319E-03
32813	.780E-03
43411	.104E-02
31263	.742E-03
9321	.211E-03
1558	.233E-04
9640	.219E-03
22329	.526E-03
33251	.790E-03
35526	.845E-03
24604	.581E-03
9381	.213E-03
2738	.518E-04
4079	.843E-04
13720	.318E-03
26724	.632E-03
23139	.546E-03
10834	.248E-03
4842	.103E-03
2191	.386E-04
9797	.223E-03
16481	.384E-03
12784	.285E-03
33676	.800E-03
40430	.964E-03
34537	.821E-03
33489	.796E-03
40952	.977E-03
32005	.760E-03
33095	.786E-03
29391	.697E-03
18861	.442E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
8865	.228E-04
20128	.623E-04
39588	.131E-03
64153	.217E-03
73030	.248E-03
49016	.164E-03
20000	.619E-04
5891	.124E-04
16859	.509E-04
43049	.143E-03
69595	.236E-03
58612	.197E-03
22449	.705E-04
5868	.123E-04
11160	.309E-04
25502	.812E-04
41962	.139E-03
49692	.166E-03
38174	.126E-03
18274	.558E-04
7406	.177E-04
5872	.123E-04
15934	.476E-04
31914	.104E-03
30820	.999E-04
16756	.505E-04
9258	.242E-04
4830	.866E-05
18085	.552E-04
30553	.989E-04
39182	.130E-03
47565	.150E-03
67294	.235E-03
72122	.245E-03
43690	.145E-03
52990	.200E-03
52418	.176E-03
40655	.134E-03
41017	.136E-03
29079	.937E-04

TOTAL CONCENTRATION (GM/M**3)
.295E-03
.755E-03
.144E-02
.159E-02
.140E-02
.709E-03
.191E-03
.157E-03
.600E-03
.167E-02
.200E-02
.130E-02
.347E-03
.383E-04
.503E-03
.118E-02
.170E-02
.169E-02
.111E-02
.395E-03
.925E-04
.207E-03
.717E-03
.135E-02
.111E-02
.483E-03
.188E-03
.661E-04
.460E-03
.669E-03
.485E-03
.166E-02
.186E-02
.152E-02
.172E-02
.190E-02
.139E-02
.168E-02
.141E-02
.844E-02

RUN # 302

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.13 M/S	11.18 M/S
EXIT VEL.	2.53 M/S	11.22 M/S
VOL. FLOW	.30E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.54E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.13 M/S	11.18 M/S
EXIT VEL.	2.23 M/S	9.67 M/S
VOL. FLOW	.31E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.92E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.13 M/S	11.18 M/S
EXIT VEL.	2.18 M/S	9.58 M/S
VOL. FLOW	.30E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.15E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5649	.869E-05
2	6283	.298E-04
3	7058	.556E-04
4	6954	.522E-04
5	6081	.231E-04
6	5506	.393E-05
7	5343	*****
8	5498	.366E-05
9	6331	.314E-04
10	8412	.101E-03
11	8369	.993E-04
12	6315	.309E-04
13	5453	.216E-05
14	5268	*****
15	6679	.430E-04
16	8873	.116E-03
17	10331	.165E-03
18	8833	.115E-03
19	6685	.432E-04
20	5565	.590E-05
21	5346	*****
22	6249	.287E-04
23	8488	.103E-03
24	10363	.166E-03
25	7487	.699E-04
26	6358	.323E-04
27	5845	.152E-04
28	5492	.346E-05
29	5575	.623E-05
30	5460	.240E-05
31	5327	*****
32	7642	.751E-04
33	7808	.806E-04
34	6741	.455E-04
35	6659	.142E-03
36	8781	.113E-03
37	6588	.400E-04
38	10549	.172E-03
39	8603	.107E-03
40	6303	.305E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
1200	.767E-05
1910	.273E-04
3040	.586E-04
3312	.662E-04
2429	.417E-04
1504	.161E-04
1049	.349E-05
1137	.593E-05
2032	.307E-04
4436	.973E-04
4986	.113E-03
2678	.486E-04
1258	.928E-05
962	.108E-05
1811	.246E-04
3687	.766E-04
5389	.124E-03
4841	.109E-03
3261	.648E-04
1724	.222E-04
1119	.543E-05
1498	.159E-04
3095	.602E-04
5526	.128E-03
4680	.104E-03
4424	.970E-04
2820	.526E-04
1731	.224E-04
1339	.115E-04
1436	.142E-04
1518	.165E-04
3658	.813E-04
4411	.966E-04
3340	.670E-04
5278	.121E-03
4957	.112E-03
3027	.593E-04
5604	.130E-03
5006	.113E-03
2921	.553E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
1576	.751E-06
2385	.577E-05
4964	.218E-04
7411	.370E-04
7170	.355E-04
4715	.202E-04
2047	.367E-05
1631	.109E-05
3127	.104E-04
8436	.433E-04
11756	.639E-04
8155	.416E-04
2539	.673E-05
1685	.143E-05
2562	.687E-05
6754	.329E-04
11319	.612E-04
12609	.692E-04
8799	.456E-04
4965	.218E-04
2101	.401E-05
2032	.358E-05
5401	.245E-04
11019	.593E-04
10757	.577E-04
9229	.482E-04
6149	.291E-04
3816	.146E-04
1755	.186E-05
2222	.476E-05
2753	.805E-05
7370	.867E-04
9718	.513E-04
9143	.477E-04
10050	.333E-04
12276	.671E-04
8029	.408E-04
12130	.662E-04
12826	.706E-04
7934	.402E-04

TOTAL CONCENTRATION (GM/M**3)
.171E-04
.629E-04
.136E-03
.155E-03
.100E-03
.403E-04
.716E-05
.103E-04
.723E-04
.243E-03
.275E-03
.123E-03
.182E-04
.251E-05
.743E-04
.226E-03
.350E-03
.292E-03
.154E-03
.499E-04
.944E-05
.482E-04
.188E-03
.353E-03
.233E-03
.178E-03
.963E-04
.405E-04
.196E-04
.214E-04
.245E-04
.193E-03
.228E-03
.160E-03
.310E-03
.293E-03
.133E-03
.369E-03
.231E-03
.126E-03

RUN # 303

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.96 M/S	11.18 M/S
EXIT VEL.	2.50 M/S	29.77 M/S
VOL. FLOW	.29E+03 M3/S	.31E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.55E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.96 M/S	11.18 M/S
EXIT VEL.	2.16 M/S	25.75 M/S
VOL. FLOW	.31E+03 M3/S	.33E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.96 M/S	11.18 M/S
EXIT VEL.	2.05 M/S	24.37 M/S
VOL. FLOW	.28E+03 M3/S	.30E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	5683	.407E-05	1181	.312E-05	1365	.956E-06	.814E-05
2	5843	.862E-05	1364	.753E-05	1585	.219E-05	.183E-04
3	6048	.145E-04	1765	.172E-04	2153	.536E-05	.370E-04
4	6029	.139E-04	2191	.275E-04	3862	.149E-04	.563E-04
5	5828	.819E-05	1927	.211E-04	4219	.169E-04	.462E-04
6	5612	.205E-05	1409	.862E-05	2148	.533E-05	.160E-04
7	5540	*****	1068	.386E-06	1435	.135E-05	.173E-05
8	5597	.162E-05	1172	.290E-05	1436	.135E-05	.587E-05
9	5760	.626E-05	1340	.696E-05	1457	.147E-05	.147E-04
10	6482	.268E-04	2612	.377E-04	4579	.189E-04	.834E-04
11	6543	.285E-04	3090	.492E-04	6075	.273E-04	.105E-03
12	6013	.135E-04	2269	.294E-04	4559	.188E-04	.617E-04
13	5637	.276E-05	1360	.744E-05	1844	.363E-05	.138E-04
14	5472	*****	957	*****	1144	*****	*****
15	5997	.130E-04	1443	.944E-05	1738	.304E-05	.255E-04
16	6763	.348E-04	2174	.271E-04	3685	.139E-04	.758E-04
17	7463	.547E-04	3437	.576E-04	6905	.319E-04	.144E-03
18	7127	.451E-04	3361	.558E-04	7683	.363E-04	.137E-03
19	6212	.191E-04	2569	.366E-04	6897	.319E-04	.876E-04
20	5719	.509E-05	1689	.154E-04	4327	.175E-04	.380E-04
21	5543	.853E-07	1114	.150E-05	1581	.216E-05	.375E-05
22	6242	.200E-04	1473	.102E-04	1621	.239E-05	.325E-04
23	7056	.431E-04	2096	.252E-04	3358	.121E-04	.804E-04
24	7954	.687E-04	3352	.555E-04	6809	.314E-04	.156E-03
25	7178	.466E-04	3867	.680E-04	10234	.505E-04	.165E-03
26	6241	.199E-04	3268	.535E-04	9181	.446E-04	.118E-03
27	5839	.851E-05	2271	.294E-04	5829	.259E-04	.639E-04
28	5590	.142E-05	1469	.101E-04	3292	.117E-04	.232E-04
29	5651	.316E-05	1200	.357E-05	1337	.799E-06	.753E-05
30	5539	*****	1173	.292E-05	1351	.878E-06	.380E-05
31	5558	.512E-06	1210	.382E-05	2184	.553E-05	.986E-05
32	6320	.222E-04	2313	.305E-04	3876	.150E-04	.676E-04
33	5910	.105E-04	2348	.313E-04	4820	.203E-04	.621E-04
34	7094	.442E-04	3127	.501E-04	5354	.233E-04	.118E-03
35	6921	.393E-04	3311	.546E-04	6825	.315E-04	.125E-03
36	6265	.206E-04	2583	.370E-04	5488	.240E-04	.816E-04
37	7651	.601E-04	2412	.570E-04	7118	.331E-04	.150E-03
38	7173	.465E-04	3394	.566E-04	8445	.405E-04	.144E-03
39	6137	.170E-04	2733	.406E-04	8038	.383E-04	.958E-04

RUN # 304

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.10 M/S	11.18 M/S
EXIT VEL.	1.11 M/S	11.22 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.57E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.10 M/S	11.18 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.56E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.10 M/S	11.18 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.75E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	6308	.224E-04	2319	.415E-04	8994	.496E-05	.688E-04
2	12291	.227E-03	11724	.263E-03	13681	.210E-04	.511E-03
3	20450	.505E-03	28762	.664E-03	28380	.711E-04	.124E-02
4	23602	.613E-03	42169	.980E-03	46021	.131E-03	.172E-02
5	17266	.397E-03	41485	.964E-03	54265	.160E-03	.152E-02
6	10516	.166E-03	28571	.660E-03	52265	.153E-03	.979E-03
7	7718	.705E-04	16399	.378E-03	34466	.919E-04	.540E-03
8	5704	.178E-05	918	.846E-05	8219	.230E-05	.125E-04
9	10383	.162E-03	6486	.140E-03	11337	.130E-04	.314E-03
10	25359	.673E-03	27525	.635E-03	29573	.752E-04	.138E-02
11	29413	.811E-03	43188	.100E-02	52108	.152E-03	.197E-02
12	17489	.404E-03	32084	.743E-03	48755	.141E-03	.129E-02
13	8356	.923E-04	13944	.315E-03	29244	.741E-04	.482E-03
14	5964	.107E-04	4587	.949E-04	13916	.218E-04	.127E-03
15	9614	.135E-03	4007	.812E-04	10086	.869E-05	.225E-03
16	17341	.399E-03	12393	.279E-03	16634	.310E-04	.709E-03
17	24332	.638E-03	24630	.567E-03	29982	.766E-04	.128E-02
18	24345	.638E-03	30571	.707E-03	40356	.112E-03	.146E-02
19	14591	.305E-03	20452	.469E-03	33998	.903E-04	.864E-03
20	8351	.922E-04	9621	.213E-03	21725	.484E-04	.354E-03
21	6227	.196E-04	4286	.878E-04	13873	.216E-04	.129E-03
22	8144	.851E-04	2915	.555E-04	9265	.588E-05	.146E-03
23	13073	.253E-03	8218	.180E-03	13644	.208E-04	.455E-03
24	19086	.459E-03	16488	.375E-03	22479	.510E-04	.885E-03
25	15711	.343E-03	16821	.383E-03	26589	.650E-04	.792E-03
26	9780	.141E-03	9439	.209E-03	19758	.417E-04	.392E-03
27	7332	.574E-04	5473	.116E-03	14598	.241E-04	.197E-03
28	6171	.177E-04	2590	.478E-04	10877	.114E-04	.769E-04
29	9934	.146E-03	16370	.372E-03	18939	.389E-04	.558E-03
30	11348	.194E-03	28627	.661E-03	29682	.756E-04	.931E-03
31	10641	.170E-03	32400	.750E-03	40758	.113E-03	.103E-02
32	27635	.751E-03	33400	.774E-03	33367	.882E-04	.161E-02
33	27918	.760E-03	43357	.101E-02	48796	.141E-03	.191E-02
34	21473	.540E-03	40470	.980E-04	55442	.164E-03	.164E-02
35	24290	.636E-03	26121	.602E-03	30669	.790E-04	.132E-02
36	26943	.727E-03	36497	.847E-03	45544	.130E-03	.170E-02
37	16566	.373E-03	27174	.627E-03	41305	.115E-03	.111E-02
38	23059	.594E-03	22735	.522E-03	28560	.718E-04	.119E-02
39	21737	.549E-03	26126	.602E-03	35504	.955E-04	.125E-02
40	12646	.239E-03	15659	.356E-03	27819	.692E-04	.664E-02

RUN # 305

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.11 M/S	11.18 M/S
EXIT VEL.	2.53 M/S	25.57 M/S
VOL. FLOW	.30E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.99E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.11 M/S	11.18 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.69E+04	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.11 M/S	11.18 M/S
EXIT VEL.	2.18 M/S	22.07 M/S
VOL. FLOW	.30E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.63E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	10217	.102E-04
2	11247	.439E-04
3	11554	.539E-04
4	12095	.716E-04
5	11377	.481E-04
6	10370	.152E-04
7	10015	.357E-05
8	10133	.743E-05
9	10860	.312E-04
10	14984	.166E-03
11	15129	.171E-03
12	12389	.812E-04
13	10582	.221E-04
14	10001	.311E-05
15	11829	.629E-04
16	15202	.173E-03
17	18052	.267E-03
18	16702	.222E-03
19	13034	.102E-03
20	11049	.374E-04
21	10385	.157E-04
22	11476	.514E-04
23	14045	.135E-03
24	18062	.267E-03
25	15486	.183E-03
26	12330	.793E-04
27	10999	.358E-04
28	10548	.210E-04
29	10349	.145E-04
30	9391	*****
31	10311	.133E-04
32	14426	.148E-03
33	17401	.245E-03
34	12276	.775E-04
35	17401	.245E-03
36	16191	.206E-03
37	12921	.986E-04
38	18038	.266E-03
39	16494	.216E-03
40	12599	.881E-04

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	7671	.206E-04
2	8808	.516E-04
3	10062	.857E-04
4	11511	.125E-03
5	11182	.116E-03
6	9018	.573E-04
7	7945	.281E-04
8	6998	.231E-05
9	6543	*****
10	13893	.190E-03
11	14723	.213E-03
12	12322	.147E-03
13	9242	.634E-04
14	7449	.146E-04
15	8239	.361E-04
16	11583	.127E-03
17	14831	.215E-03
18	15638	.237E-03
19	13210	.171E-03
20	9924	.819E-04
21	8152	.337E-04
22	7447	.145E-04
23	9361	.666E-04
24	14186	.198E-03
25	15585	.236E-03
26	12577	.154E-03
27	10140	.878E-04
28	8696	.485E-04
29	8312	.381E-04
30	7383	.128E-04
31	8717	.491E-04
32	12249	.145E-03
33	15584	.236E-03
34	12160	.143E-03
35	15584	.236E-03
36	15807	.242E-03
37	13295	.174E-03
38	14565	.208E-03
39	15736	.240E-03
40	12798	.160E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	7169	.502E-05
2	9667	.202E-04
3	11797	.332E-04
4	14396	.491E-04
5	14903	.522E-04
6	12097	.351E-04
7	9572	.197E-04
8	6703	.218E-05
9	6499	.939E-06
10	14158	.476E-04
11	18274	.727E-04
12	16867	.641E-04
13	11911	.339E-04
14	7820	.899E-05
15	7579	.753E-05
16	11182	.295E-04
17	17409	.674E-04
18	22100	.960E-04
19	20544	.865E-04
20	14150	.476E-04
21	9172	.172E-04
22	6838	.300E-05
23	8801	.150E-04
24	16820	.638E-04
25	22546	.987E-04
26	19627	.809E-04
27	14436	.493E-04
28	10500	.253E-04
29	7939	.971E-05
30	7700	.826E-05
31	10257	.238E-04
32	13566	.440E-04
33	16394	.612E-04
34	16130	.596E-04
35	16394	.612E-04
36	21079	.898E-04
37	19447	.799E-04
38	17660	.690E-04
39	22942	.101E-03
40	20314	.851E-04

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.358E-04
2	.116E-03
3	.173E-03
4	.246E-03
5	.216E-03
6	.108E-03
7	.513E-04
8	.119E-04
9	.322E-04
10	.404E-03
11	.456E-03
12	.293E-03
13	.119E-03
14	.267E-04
15	.107E-03
16	.330E-03
17	.549E-03
18	.556E-03
19	.360E-03
20	.167E-03
21	.666E-04
22	.689E-04
23	.217E-03
24	.529E-03
25	.517E-03
26	.314E-03
27	.173E-03
28	.948E-04
29	.623E-04
30	.210E-04
31	.862E-04
32	.337E-03
33	.542E-03
34	.280E-03
35	.542E-03
36	.537E-03
37	.352E-03
38	.543E-03
39	.557E-03
40	.333E-03

RUN # 306

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.95 M/S	11.18 M/S
EXIT VEL.	2.50 M/S	29.77 M/S
VOL. FLOW	.29E+03 M3/S	.31E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.55E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5670	.417E-05
2	5698	.495E-05
3	5937	.134E-04
4	6000	.135E-04
5	5909	.109E-04
6	5604	.231E-05
7	5540	.507E-06
8	5522	*****
9	5658	.383E-05
10	6403	.248E-04
11	6559	.292E-04
12	5971	.126E-04
13	5596	.208E-05
14	5486	*****
15	6078	.157E-04
16	6783	.355E-04
17	8059	.714E-04
18	7410	.532E-04
19	6449	.261E-04
20	5833	.876E-05
21	5595	.206E-05
22	6846	.373E-04
23	7989	.695E-04
24	9079	.100E-03
25	7852	.656E-04
26	6427	.255E-04
27	5916	.111E-04
28	5635	.318E-05
29	5636	.377E-05
30	5582	.113E-06
31	5532	.282E-06
32	6176	.184E-04
33	6202	.191E-04
34	5989	.131E-04
35	7043	.428E-04
36	7068	.435E-04
37	6203	.192E-04
38	8816	.927E-04
39	7779	.635E-04
40	6480	.270E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.95 M/S	11.18 M/S
EXIT VEL.	2.16 M/S	25.75 M/S
VOL. FLOW	.31E-03 M3/S	.33E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.87E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
965	.227E-05
1533	.158E-04
2925	.491E-04
4218	.800E-04
3204	.358E-04
2111	.297E-04
1412	.130E-04
870	*****
1200	.789E-05
3850	.712E-04
5337	.107E-03
3446	.616E-04
1694	.197E-04
972	.244E-05
1091	.528E-05
2401	.366E-04
5029	.994E-04
6177	.127E-03
4466	.859E-04
2275	.336E-04
1273	.963E-05
1344	.113E-04
2326	.348E-04
4704	.916E-04
5962	.122E-03
4310	.822E-04
2748	.449E-04
1535	.159E-04
1761	.213E-04
1789	.220E-04
2009	.272E-04
3848	.712E-04
4810	.342E-04
3827	.707E-04
4185	.792E-04
5773	.117E-03
3827	.707E-04
5236	.104E-03
6532	.135E-03
4031	.755E-04

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.95 M/S	11.18 M/S
EXIT VEL.	2.05 M/S	24.37 M/S
VOL. FLOW	.28E-03 M3/S	.30E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.94E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
960	.138E-06
1225	.160E-05
2332	.773E-05
5094	.230E-04
4690	.208E-04
4365	.190E-04
1712	.430E-05
914	*****
1046	.614E-06
4490	.197E-04
7598	.369E-04
6741	.321E-04
3461	.140E-04
1098	.902E-06
1072	.758E-06
3331	.133E-04
8359	.411E-04
12921	.663E-04
10267	.516E-04
5208	.236E-04
2070	.628E-05
1178	.134E-05
2493	.862E-05
8807	.435E-04
12778	.655E-04
9354	.466E-04
6457	.305E-04
3586	.147E-04
1459	.290E-05
1393	.253E-05
2103	.646E-05
2296	.186E-04
6480	.307E-04
6093	.385E-04
3686	.263E-04
9268	.500E-04
8778	.434E-04
3395	.468E-04
13569	.699E-04
9618	.480E-04

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.658E-05
.224E-04
.702E-04
.116E-03
.874E-04
.509E-04
.178E-04

.123E-04
.116E-03
.173E-03
.106E-03
.357E-04
.334E-05
.217E-04
.853E-04
.212E-03
.246E-03
.164E-03
.660E-04
.180E-04
.499E-04
.113E-03
.235E-03
.253E-03
.154E-03
.865E-04
.337E-04
.280E-04
.246E-04
.340E-04
.108E-03
.144E-03
.112E-03
.148E-03
.211E-03
.133E-03
.244E-03
.269E-03
.151E-03

RUN # 307

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.10 M/S	11.18 M/S
EXIT VEL.	1.11 M/S	11.22 M/S
VOL. FLOW	.13E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.54E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.10 M/S	11.18 M/S
EXIT VEL.	1.11 M/S	11.22 M/S
VOL. FLOW	.13E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.79E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.10 M/S	11.18 M/S
EXIT VEL.	1.11 M/S	9.58 M/S
VOL. FLOW	.13E+03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.12E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	17935	.429E-03	9921	.215E-03	7815	.225E-04	.667E-03
2	28955	.805E-03	23878	.544E-03	17056	.540E-04	.140E-02
3	36165	.105E-02	39306	.907E-03	28951	.946E-04	.205E-02
4	34299	.988E-03	54880	.127E-02	54378	.181E-03	.244E-02
5	20621	.521E-03	38864	.897E-03	51253	.171E-03	.159E-02
6	10629	.180E-03	21104	.479E-03	29973	.981E-04	.756E-03
7	7110	.595E-04	7802	.165E-03	10169	.305E-04	.255E-03
8	12169	.232E-03	6610	.137E-03	5765	.155E-04	.385E-03
9	21849	.563E-03	15433	.345E-03	12317	.378E-04	.946E-03
10	36746	.107E-02	36507	.841E-03	30846	.101E-03	.201E-02
11	31876	.905E-03	42666	.986E-03	47352	.157E-03	.205E-02
12	17332	.409E-03	26108	.596E-03	35884	.118E-03	.112E-02
13	7028	.567E-04	6467	.134E-03	9935	.297E-04	.320E-03
14	5407	.137E-05	1165	.888E-05	1822	.201E-05	.123E-04
15	18007	.432E-03	11230	.246E-03	8982	.265E-04	.704E-03
16	27815	.766E-03	21847	.496E-03	17198	.545E-04	.132E-02
17	31264	.884E-03	31280	.718E-03	29603	.969E-04	.170E-02
18	22706	.592E-03	30487	.700E-03	37386	.123E-03	.142E-02
19	13738	.286E-03	18803	.424E-03	26353	.858E-04	.796E-03
20	7927	.874E-04	6925	.145E-03	10721	.324E-04	.264E-03
21	5768	.137E-04	2064	.501E-04	3295	.704E-05	.508E-04
22	10213	.165E-03	5252	.105E-03	4797	.122E-04	.283E-03
23	17615	.418E-03	13055	.289E-03	11233	.341E-04	.741E-03
24	24549	.655E-03	23461	.534E-03	22735	.734E-04	.126E-02
25	15300	.339E-03	17427	.392E-03	21629	.696E-04	.801E-03
26	9622	.145E-03	9301	.201E-03	13051	.403E-04	.386E-03
27	7049	.574E-04	4413	.854E-04	7451	.212E-04	.164E-03
28	5949	.199E-04	2360	.370E-04	3614	.813E-05	.650E-04
29	28864	.802E-03	30046	.689E-03	18946	.605E-04	.155E-02
30	22941	.600E-03	43633	.101E-02	36977	.122E-03	.173E-02
31	14665	.317E-03	33916	.780E-03	44846	.149E-03	.125E-02
32	39162	.115E-02	41553	.960E-03	32883	.108E-03	.222E-02
33	35155	.102E-02	49651	.115E-02	50830	.169E-03	.234E-02
34	21281	.543E-03	36013	.830E-03	45811	.152E-03	.153E-02
35	33402	.957E-03	35142	.809E-03	31066	.102E-03	.187E-02
36	27675	.762E-03	36629	.844E-03	42940	.142E-03	.175E-02
37	15497	.346E-03	23373	.532E-03	32683	.107E-03	.985E-03
38	29362	.819E-03	29697	.681E-03	29076	.951E-04	.160E-02
39	20122	.504E-03	26000	.594E-03	32380	.106E-03	.120E-02
40	11854	.221E-03	14439	.222E-03	20457	.656E-04	.609E-03

RUN # 308

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.08 M/S	11.18 M/S
EXIT VEL.	2.53 M/S	25.57 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.59E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.08 M/S	11.18 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03M3/S	.29E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.46E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.08 M/S	11.18 M/S
EXIT VEL.	2.18 M/S	22.07 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	*****	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	7363	.482E-04
2	8988	.999E-04
3	11584	.183E-03
4	11712	.187E-03
5	8723	.915E-04
6	6666	.260E-04
7	5839	.156E-05
8	6537	.219E-04
9	9770	.125E-03
10	12502	.212E-03
11	12568	.214E-03
12	7868	.642E-04
13	5982	.420E-05
14	5599	*****
15	9009	.101E-03
16	12597	.215E-03
17	16120	.327E-03
18	11781	.189E-03
19	7957	.671E-04
20	6377	.168E-04
21	5662	*****
22	7959	.671E-04
23	10909	.161E-03
24	14144	.264E-03
25	11002	.164E-03
26	7642	.570E-04
27	6613	.243E-04
28	5860	.318E-06
29	8271	.771E-04
30	8500	.844E-04
31	7114	.402E-04
32	12549	.213E-03
33	12236	.203E-03
34	8718	.913E-04
35	14387	.272E-03
36	13187	.234E-03
37	8551	.860E-04
38	15844	.318E-03
39	12355	.207E-03
40	7506	.527E-04

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1120	.174E-04
2	2218	.465E-04
3	4776	.114E-03
4	6976	.172E-03
5	6117	.150E-03
6	1994	.405E-04
7	669	.545E-05
8	801	.895E-05
9	3148	.711E-04
10	6069	.148E-03
11	9891	.250E-03
12	4564	.109E-03
13	1158	.184E-04
14	382	*****
15	2026	.414E-04
16	4941	.119E-03
17	8951	.225E-03
18	11455	.291E-03
19	5654	.137E-03
20	2374	.506E-04
21	631	.445E-05
22	1626	.308E-04
23	3412	.781E-04
24	7383	.183E-03
25	8770	.220E-03
26	5921	.145E-03
27	3289	.748E-04
28	1475	.268E-04
29	2596	.565E-04
30	3472	.797E-04
31	2764	.609E-04
32	6563	.162E-03
33	8962	.225E-03
34	6268	.154E-03
35	7982	.192E-03
36	10183	.257E-03
37	6024	.147E-03
38	8968	.225E-03
39	9220	.232E-03
40	4651	.111E-03

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	403	.239E-05
2	1272	.754E-05
3	4912	.291E-04
4	10100	.599E-04
5	9633	.571E-04
6	4880	.289E-04
7	1321	.783E-05
8	449	.286E-05
9	1483	.879E-05
10	6585	.390E-04
11	13308	.789E-04
12	8721	.517E-04
13	1811	.107E-04
14	351	.208E-05
15	1129	.669E-05
16	4309	.236E-04
17	9514	.564E-04
18	11716	.695E-04
19	10865	.644E-04
20	5534	.328E-04
21	1321	.783E-05
22	834	.495E-05
23	2265	.134E-04
24	7936	.471E-04
25	14378	.853E-04
26	11178	.663E-04
27	6856	.407E-04
28	3359	.199E-04
29	1572	.932E-05
30	7613	.451E-04
31	4742	.281E-04
32	6964	.413E-04
33	11696	.694E-04
34	10726	.636E-04
35	8447	.501E-04
36	14154	.839E-04
37	11372	.674E-04
38	9857	.585E-04
39	13363	.792E-04
40	10309	.611E-04

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.679E-04
2	.154E-03
3	.326E-03
4	.419E-03
5	.298E-03
6	.954E-04
7	.148E-04
8	.335E-04
9	.205E-03
10	.399E-03
11	.542E-03
12	.225E-03
13	.333E-04
14	.208E-05
15	.149E-03
16	.359E-03
17	.608E-03
18	.549E-03
19	.269E-03
20	.100E-03
21	.123E-04
22	.103E-03
23	.253E-03
24	.494E-03
25	.469E-03
26	.268E-03
27	.140E-03
28	.470E-04
29	.143E-03
30	.209E-03
31	.129E-03
32	.416E-03
33	.498E-03
34	.309E-03
35	.521E-03
36	.575E-03
37	.301E-03
38	.602E-03
39	.518E-03
40	.225E-03

RUN # 309

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.94 M/S	11.18 M/S
EXIT VEL.	2.50 M/S	29.77 M/S
VOL. FLOW	.29E+03 M3/S	.31E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.57E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.94 M/S	11.18 M/S
EXIT VEL.	2.16 M/S	25.75 M/S
VOL. FLOW	.31E+03 M3/S	.33E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.10E+04	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.94 M/S	11.18 M/S
EXIT VEL.	2.05 M/S	24.37 M/S
VOL. FLOW	.28E+03 M3/S	.30E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.10E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	6238	.143E-04
2	6718	.277E-04
3	7652	.537E-04
4	7372	.459E-04
5	6545	.229E-04
6	5942	.610E-05
7	5723	*****
8	5834	.309E-05
9	6539	.227E-04
10	8189	.687E-04
11	7981	.629E-04
12	6594	.243E-04
13	5835	.312E-05
14	5660	*****
15	7173	.404E-04
16	9195	.967E-04
17	10211	.125E-03
18	8483	.769E-04
19	6648	.258E-04
20	5938	.599E-05
21	5767	.123E-05
22	7462	.484E-04
23	9705	.111E-03
24	11224	.153E-03
25	8126	.669E-04
26	7109	.386E-04
27	6645	.257E-04
28	6153	.120E-04
29	6540	.228E-04
30	6152	.120E-04
31	6054	.922E-05
32	8121	.668E-04
33	7929	.615E-04
34	6891	.325E-04
35	9477	.105E-03
36	8231	.699E-04
37	6787	.296E-04
38	10673	.138E-03
39	8566	.792E-04
40	6606	.246E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
1452	.103E-04
2203	.281E-04
4074	.723E-04
5904	.116E-03
3948	.694E-04
2206	.282E-04
1233	.516E-05
1132	.277E-05
1686	.159E-04
4432	.808E-04
6631	.133E-03
3418	.568E-04
1401	.913E-05
977	*****
1675	.156E-04
3363	.555E-04
5582	.108E-03
5941	.116E-03
3554	.600E-04
1877	.204E-04
1201	.440E-05
1678	.157E-04
2978	.464E-04
5506	.106E-03
5939	.118E-03
4886	.915E-04
3431	.571E-04
2186	.277E-04
2606	.376E-04
2889	.443E-04
2992	.468E-04
4855	.908E-04
6891	.139E-03
4923	.924E-04
5479	.106E-03
6198	.123E-03
3689	.632E-04
5358	.103E-03
5999	.118E-03
3369	.557E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
1240	.107E-05
1535	.269E-05
2406	.746E-05
5135	.224E-04
4728	.202E-04
3120	.114E-04
1332	.158E-05
1085	.224E-06
1330	.157E-05
4205	.173E-04
7270	.341E-04
5342	.235E-04
1541	.272E-05
1024	*****
1306	.143E-05
3270	.122E-04
6074	.275E-04
9542	.465E-04
8224	.393E-04
4465	.187E-04
2961	.105E-04
1348	.166E-05
2183	.623E-05
7016	.327E-04
11755	.586E-04
11308	.362E-04
7754	.367E-04
4708	.201E-04
1444	.219E-05
1704	.361E-05
2369	.725E-05
4064	.165E-04
6492	.298E-04
5269	.231E-04
4939	.213E-04
8117	.387E-04
6276	.286E-04
6487	.298E-04
10485	.517E-04
8159	.389E-04

TOTAL CONCENTRATION (GM/M**3)
.258E-04
.585E-04
.134E-03
.184E-03
.112E-03
.456E-04
.673E-05
.608E-05
.402E-04
.167E-03
.230E-03
.105E-03
.150E-04

.574E-04
.164E-03
.261E-03
.240E-03
.125E-03
.451E-04
.161E-04
.658E-04
.164E-03
.292E-03
.243E-03
.186E-03
.120E-03
.597E-04
.626E-04
.599E-04
.632E-04
.174E-03
.230E-03
.148E-03
.231E-03
.231E-03
.122E-03
.270E-03
.249E-03
.119E-03

RUN # 310

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.10 M/S	11.18 M/S
EXIT VEL.	1.11 M/S	11.22 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.53E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
2	6600	.456E-04
3	7746	.848E-04
4	7224	.670E-04
5	6189	.316E-04
6	5809	.186E-04
7	5112	*****
8	5546	.966E-05
9	7889	.897E-04
10	9535	.146E-03
11	9221	.135E-03
12	6942	.573E-04
13	5290	.922E-06
14	5118	*****
15	6868	.548E-04
16	9593	.148E-03
17	10923	.193E-03
18	10921	.193E-03
19	8229	.101E-03
20	6090	.282E-04
21	5271	.273E-06
22	6240	.334E-04
23	8357	.106E-03
24	11098	.199E-03
25	10246	.170E-03
26	7895	.899E-04
27	6611	.460E-04
28	5802	.184E-04
29	5789	.180E-04
30	6518	.429E-04
31	5241	*****
32	8407	.107E-03
33	8026	.943E-04
34	6642	.471E-04
35	9746	.153E-03
36	10295	.172E-03
37	7542	.778E-04
38	11233	.204E-03
39	10894	.192E-03
40	8109	.972E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.10 M/S	11.18 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.49E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2043	.365E-04
3601	.732E-04
4103	.850E-04
2779	.538E-04
2056	.364E-04
878	.905E-05
917	.996E-05
3455	.697E-04
5902	.127E-03
6675	.146E-03
3257	.651E-04
984	.115E-04
551	.134E-05
2706	.521E-04
6298	.137E-03
8619	.191E-03
8628	.192E-03
4655	.980E-04
2020	.359E-04
794	.707E-05
1976	.349E-04
4819	.102E-03
8661	.192E-03
7585	.167E-03
4203	.874E-04
2529	.479E-04
1445	.224E-04
1615	.264E-04
3604	.733E-04
1381	.209E-04
5110	.109E-03
4933	.105E-03
3294	.660E-04
7101	.156E-03
8017	.177E-03
4081	.845E-04
9133	.203E-03
8626	.192E-03
4614	.971E-04

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.10 M/S	11.18 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.71E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.95 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2021	.449E-05
4363	.125E-04
5583	.167E-04
4597	.133E-04
2835	.727E-05
1329	.213E-05
934	.782E-06
2849	.732E-05
6692	.204E-04
8057	.251E-04
5162	.152E-04
1551	.289E-05
773	.232E-06
2602	.648E-05
6842	.210E-04
9280	.293E-04
9493	.300E-04
5917	.178E-04
2376	.571E-05
1029	.111E-05
1955	.427E-05
5582	.167E-04
9363	.296E-04
8292	.259E-04
5052	.148E-04
3283	.880E-05
1518	.278E-05
1801	.374E-05
5830	.175E-04
2430	.589E-05
6303	.191E-04
6752	.206E-04
5497	.164E-04
8056	.251E-04
9235	.291E-04
6075	.183E-04
9888	.314E-04
9585	.303E-04
5687	.170E-04

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.866E-04
.170E-03
.169E-03
.987E-04
.627E-04
.112E-04
.204E-04
.167E-03
.294E-03
.306E-03
.138E-03
.154E-04
.157E-05
.113E-03
.306E-03
.414E-03
.415E-03
.217E-03
.699E-04
.845E-05
.725E-04
.224E-03
.421E-03
.363E-03
.192E-03
.103E-03
.436E-04
.481E-04
.134E-03
.268E-04
.235E-03
.220E-03
.129E-03
.334E-03
.378E-03
.181E-03
.439E-03
.414E-03
.211E-03

RUN # 311
STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.09 M/S	11.18 M/S
EXIT VEL.	2.53 M/S	25.57 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.83E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	8462	.539E-05
2	8484	.609E-05
3	8603	.984E-05
4	8516	.710E-05
5	8412	.382E-05
6	8385	.296E-05
7	8291	*****
8	8481	.599E-05
9	7407	*****
10	8850	.176E-04
11	8699	.129E-04
12	8528	.748E-05
13	8363	.227E-05
14	8398	.338E-05
15	8606	.994E-05
16	9103	.256E-04
17	9189	.283E-04
18	9114	.260E-04
19	8715	.134E-04
20	8457	.524E-05
21	8323	.101E-05
22	8875	.184E-04
23	9351	.334E-04
24	9964	.528E-04
25	9970	.530E-04
26	9447	.365E-04
27	8915	.197E-04
28	8661	.117E-04
29	8360	.218E-05
30	8077	*****
31	8385	.296E-05
32	8666	.118E-04
33	8567	.871E-05
34	8544	.798E-05
35	8928	.201E-04
36	8971	.214E-04
37	8613	.102E-04
38	9740	.457E-04
39	9328	.327E-04
40	8935	.203E-04

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.09 M/S	11.18 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03M3/S	.29E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.45E+04	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
4932	.116E-04
5029	.142E-04
5114	.164E-04
5151	.174E-04
5041	.145E-04
4975	.128E-04
4860	.976E-05
5052	.148E-04
3589	*****
5377	.233E-04
5360	.229E-04
5153	.174E-04
4992	.132E-04
4947	.120E-04
5276	.207E-04
5885	.366E-04
6337	.485E-04
6342	.486E-04
5489	.263E-04
5165	.178E-04
4986	.131E-04
6068	.415E-04
6789	.604E-04
7574	.810E-04
7609	.819E-04
6871	.625E-04
5776	.338E-04
5367	.231E-04
4982	.130E-04
4585	.254E-05
5067	.152E-04
5360	.229E-04
5357	.228E-04
5283	.209E-04
6093	.421E-04
5728	.325E-04
5352	.227E-04
7146	.697E-04
6672	.373E-04
5792	.342E-04

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.09 M/S	11.18 M/S
EXIT VEL.	2.18 M/S	22.07 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.41E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
4782	.417E-05
4339	.509E-05
5387	.655E-05
5223	.676E-05
5048	.573E-05
5051	.575E-05
4824	.442E-05
4953	.518E-05
3027	*****
5365	.760E-05
5457	.814E-05
5225	.677E-05
4917	.496E-05
4772	.411E-05
5231	.681E-05
5754	.988E-05
6116	.120E-04
6213	.126E-04
5471	.826E-05
5158	.638E-05
4889	.480E-05
5787	.101E-04
6590	.148E-04
7330	.191E-04
7431	.197E-04
6651	.152E-04
5736	.978E-05
5199	.662E-05
4956	.519E-05
4738	.391E-05
5170	.645E-05
5491	.834E-05
5615	.907E-05
5535	.860E-05
5959	.111E-04
5874	.106E-04
5516	.848E-05
6943	.169E-04
6604	.149E-04
5816	.102E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.212E-04
.254E-04
.328E-04
.313E-04
.241E-04
.215E-04
.142E-04
.260E-04

.486E-04
.439E-04
.317E-04
.205E-04
.195E-04
.374E-04
.721E-04
.988E-04
.872E-04
.479E-04
.294E-04
.189E-04
.699E-04
.109E-03
.153E-03
.155E-03
.114E-03
.632E-04
.414E-04
.203E-04
.646E-05
.246E-04
.430E-04
.406E-04
.374E-04
.733E-04
.646E-04
.413E-04
.132E-03
.105E-03
.648E-04

RUN # 312

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	.94 M/S	11.18 M/S
EXIT VEL.	2.50 M/S	29.77 M/S
VOL. FLOW	.29E+03 M3/S	.31E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.55E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	.94 M/S	11.18 M/S
EXIT VEL.	2.16 M/S	25.75 M/S
VOL. FLOW	.31E+03 M3/S	.33E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.83E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	.94 M/S	11.18 M/S
EXIT VEL.	2.05 M/S	24.37 M/S
VOL. FLOW	.28E+03 M3/S	.30E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.85E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5612	.270E-05
2	5571	.156E-05
3	5735	.613E-05
4	5660	.404E-05
5	5521	.167E-06
6	5465	*****
7	5515	*****
8	5515	*****
9	5640	.348E-05
10	5940	.118E-04
11	5820	.850E-05
12	5590	.209E-05
13	5516	.279E-07
14	5468	*****
15	5619	.290E-05
16	5791	.769E-05
17	5979	.129E-04
18	5943	.119E-04
19	5738	.621E-05
20	5573	.162E-05
21	5489	*****
22	5662	.409E-05
23	6055	.150E-04
24	6297	.218E-04
25	6577	.296E-04
26	6549	.288E-04
27	6006	.137E-04
28	5642	.354E-05
29	5522	.195E-06
30	5459	*****
31	5509	*****
32	5657	.396E-05
33	5745	.641E-05
34	5555	.111E-05
35	5903	.108E-04
36	5876	.101E-04
37	5628	.315E-05
38	6012	.138E-04
39	6168	.182E-04
40	5992	.133E-04

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	848	.520E-06
2	934	.255E-05
3	1088	.620E-05
4	1200	.884E-05
5	971	.343E-05
6	858	.757E-06
7	829	.709E-07
8	802	*****
9	886	.142E-05
10	1351	.124E-04
11	1308	.114E-04
12	1023	.466E-05
13	806	*****
14	764	*****
15	911	.201E-05
16	1191	.863E-05
17	1530	.166E-04
18	1527	.166E-04
19	1226	.346E-05
20	915	.210E-05
21	807	*****
22	1083	.608E-05
23	1533	.167E-04
24	2087	.298E-04
25	2343	.359E-04
26	2318	.353E-04
27	1511	.162E-04
28	1033	.490E-05
29	879	.125E-05
30	1096	.638E-05
31	894	.161E-05
32	1181	.839E-05
33	1318	.116E-04
34	1061	.556E-05
35	1390	.133E-04
36	1512	.162E-04
37	1095	.636E-05
38	1644	.193E-04
39	1808	.232E-04
40	1555	.172E-04

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	837	*****
2	860	.328E-07
3	924	.383E-06
4	1016	.887E-06
5	945	.498E-06
6	893	.213E-06
7	821	*****
8	787	*****
9	809	*****
10	1142	.158E-05
11	1154	.164E-05
12	1067	.117E-05
13	855	.547E-08
14	789	*****
15	869	.821E-07
16	1054	.109E-05
17	1588	.402E-05
18	1485	.345E-05
19	1321	.256E-05
20	980	.690E-06
21	870	.876E-07
22	1007	.837E-06
23	1307	.248E-05
24	1875	.559E-05
25	3029	.1119E-04
26	2405	.849E-05
27	1612	.415E-05
28	1079	.123E-05
29	863	.493E-07
30	868	.766E-07
31	859	.274E-07
32	1010	.854E-06
33	1163	.169E-05
34	1085	.126E-05
35	1157	.166E-05
36	1445	.324E-05
37	1201	.190E-05
38	1499	.353E-05
39	1862	.552E-05
40	1695	.460E-05

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.322E-05
2	.415E-05
3	.127E-04
4	.138E-04
5	.409E-05
6	.970E-06
7	.709E-07
8	*****
9	.490E-05
10	.258E-04
11	.215E-04
12	.791E-05
13	.333E-07
14	*****
15	.499E-05
16	.174E-04
17	.336E-04
18	.320E-04
19	.182E-04
20	.441E-05
21	.876E-07
22	.110E-04
23	.342E-04
24	.572E-04
25	.774E-04
26	.726E-04
27	.340E-04
28	.966E-05
29	.150E-05
30	.646E-05
31	.164E-05
32	.132E-04
33	.197E-04
34	.794E-05
35	.258E-04
36	.295E-04
37	.114E-04
38	.367E-04
39	.469E-04
40	.351E-04

RUN # 313
 STACK #1
 MODEL PROTOTYPE
 STACK HT. VEL. .95 M/S 11.18 M/S
 EXIT VEL. 2.50 M/S 29.77 M/S
 VOL. FLOW .29E+03 M³/S .31E+03 M³/S
 SOURCE STRENGTH .40E+05 .10E+01
 BACKGROUND .71E+04
 CALIBRATION FACTOR .41E-03
 SO2 FLUX .8500E+03 (GM/SEC)
 STACK HEIGHT 30.48 CM 91.44 M
 STACK DIAMETER 1.22 CM 3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	7514	.131E-04
2	7729	.191E-04
3	7924	.246E-04
4	8041	.279E-04
5	8145	.308E-04
6	8226	.331E-04
7	8356	.368E-04
8	6525	*****
9	7235	.521E-05
10	7734	.193E-04
11	8189	.321E-04
12	8132	.305E-04
13	8558	.425E-04
14	8676	.458E-04
15	6605	*****
16	7746	.196E-04
17	8359	.369E-04
18	8572	.428E-04
19	8703	.465E-04
20	8627	.444E-04
21	8816	.497E-04
22	6291	*****
23	7147	.273E-05
24	8688	.461E-04
25	9134	.587E-04
26	8999	.549E-04
27	9117	.582E-04
28	9011	.552E-04
29	8220	.329E-04
30	8318	.357E-04
31	8476	.401E-04
32	8434	.390E-04
33	8699	.464E-04
34	8837	.503E-04

STACK #2
 MODEL PROTOTYPE
 .95 M/S 11.18 M/S
 2.16 M/S 25.75 M/S
 .31E+03 M³/S .33E+03 M³/S
 .30E+05 .10E+01
 .32E+04
 .22E-03
 .1050E+04 (GM/SEC)
 30.48 CM 91.44 M
 1.34 CM 4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
3032	*****
3459	.715E-05
3766	.145E-04
4149	.236E-04
4214	.252E-04
4315	.276E-04
4457	.310E-04
2125	*****
3138	*****
3952	.189E-04
4494	.319E-04
4536	.329E-04
4902	.416E-04
4940	.425E-04
2264	*****
3501	.815E-05
4367	.288E-04
5071	.457E-04
5242	.498E-04
5111	.466E-04
5250	.499E-04
1754	*****
2625	*****
4549	.356E-04
5835	.639E-04
6288	.748E-04
5977	.673E-04
5694	.606E-04
4356	.286E-04
4777	.386E-04
4777	.386E-04
4555	.333E-04
5211	.490E-04
5530	.566E-04

STACK #3
 MODEL PROTOTYPE
 .95 M/S 11.18 M/S
 2.05 M/S 24.37 M/S
 .28E+03 M³/S .30E+03 M³/S
 .20E+05 .10E+01
 .11E+04
 .15E-03
 .2200E+03 (GM/SEC)
 30.48 CM 91.44 M
 1.32 CM 3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1572	.275E-05
1852	.430E-05
2018	.522E-05
2305	.680E-05
2346	.703E-05
2397	.731E-05
2339	.699E-05
1132	.315E-06
1688	.339E-05
3146	.115E-04
3017	.107E-04
2883	.100E-04
2744	.923E-05
2553	.818E-05
1285	.116E-05
2330	.694E-05
4200	.173E-04
5320	.235E-04
5046	.220E-04
3257	.121E-04
3448	.131E-04
1064	*****
1813	.408E-05
5179	.227E-04
6550	.303E-04
5984	.272E-04
4968	.215E-04
3599	.140E-04
3106	.112E-04
3582	.139E-04
4200	.173E-04
4693	.200E-04
6134	.280E-04
5597	.250E-04

PREDICTED TOTAL PROTOTYPE
 SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.158E-04
.306E-04
.443E-04
.583E-04
.630E-04
.680E-04
.748E-04
.315E-06
.860E-05
.496E-04
.747E-04
.733E-04
.933E-04
.965E-04
.116E-05
.347E-04
.830E-04
.112E-03
.118E-03
.103E-03
.113E-03

.681E-05
.104E-03
.153E-03
.157E-03
.147E-03
.130E-03
.728E-04
.888E-04
.965E-04
.923E-04
.123E-03
.132E-03

RUN # 313R

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.95 M/S	11.18 M/S
EXIT VEL.	2.50 M/S	29.77 M/S
VOL. FLOW	.29E+03 M3/S	.31E+03 M3/S
SOURCE STRENGTH	.48E+05	.10E+01
BACKGROUND	.33E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5346	.845E-06
2	5336	.563E-06
3	5428	.315E-05
4	5378	.175E-05
5	5336	.563E-06
6	5311	*****
7	5316	*****
8	5299	*****
9	5289	*****
10	5542	.636E-05
11	5554	.670E-05
12	5353	.104E-05
13	5312	*****
14	5318	.563E-07
15	5506	.535E-05
16	53723	.115E-04
17	53888	.161E-04
18	53766	.127E-04
19	5491	.493E-05
20	5418	.287E-05
21	5447	.369E-05
22	5251	.263E-05
23	5374	.374E-04
24	5650	.301E-04
25	5385	.301E-04
26	5619	.851E-05
27	5536	.611E-05
28	4553	.386E-05
29	53593	.217E-05
30	5274	*****
31	5389	.208E-05
32	5550	.659E-05
33	5513	.555E-05
34	5382	.186E-05
35	5717	.113E-04
36	5602	.805E-05
37	5473	.442E-05
38	5985	.188E-04
39	5176	.242E-04
40	5479	.459E-05

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.95 M/S	11.18 M/S
EXIT VEL.	2.16 M/S	25.75 M/S
VOL. FLOW	.31E+03 M3/S	.33E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.95E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	990	.100E-05
2	1051	.246E-05
3	1192	.583E-05
4	1250	.722E-05
5	1149	.480E-05
6	1030	.196E-05
7	993	.108E-05
8	956	.191E-06
9	992	.105E-05
10	1710	.182E-04
11	1824	.209E-04
12	1494	.130E-04
13	1041	.222E-05
14	967	.454E-06
15	1127	.428E-05
16	1694	.178E-04
17	2029	.258E-04
18	2141	.285E-04
19	1720	.185E-04
20	1011	.151E-05
21	1126	.425E-05
22	1461	.123E-04
23	2389	.344E-04
24	2503	.372E-04
25	1854	.217E-04
26	1377	.103E-04
27	1095	.351E-05
28	1035	.208E-05
29	911	*****
30	1031	.198E-05
31	1617	.160E-04
32	1591	.154E-04
33	1460	.122E-04
34	2062	.266E-04
35	1924	.233E-04
36	1714	.183E-04
37	2114	.279E-04
38	2264	.315E-04
39	1678	.174E-04

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.95 M/S	11.18 M/S
EXIT VEL.	2.05 M/S	24.37 M/S
VOL. FLOW	.28E+03 M3/S	.30E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.97E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	1173	.111E-05
2	994	.116E-06
3	1039	.365E-06
4	1138	.913E-06
5	1119	.808E-06
6	1064	.503E-06
7	986	.719E-07
8	981	.443E-07
9	966	*****
10	1463	.271E-05
11	1607	.351E-05
12	1528	.307E-05
13	1060	.481E-06
14	992	.105E-06
15	1071	.542E-06
16	1595	.344E-05
17	2306	.737E-05
18	2727	.970E-05
19	2383	.780E-05
20	1125	.841E-06
21	1521	.303E-05
22	1475	.278E-05
23	3274	.127E-04
24	5024	.224E-04
25	5241	.236E-04
26	3560	.143E-04
27	2070	.607E-05
28	1015	.232E-06
29	913	*****
30	996	.127E-06
31	1398	.235E-05
32	1339	.202E-05
33	1336	.201E-05
34	1841	.480E-05
35	2055	.399E-05
36	1900	.513E-05
37	2808	.102E-04
38	4439	.192E-04
39	2753	.985E-05

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.295E-05
2	.314E-06
3	.935E-06
4	.918E-06
5	.817E-06
6	.501E-06
7	.115E-06
8	.238E-06
9	.109E-06
10	.273E-05
11	.311E-05
12	.172E-05
13	.270E-06
14	.615E-06
15	.102E-06
16	.327E-05
17	.493E-05
18	.569E-05
19	.312E-05
20	.522E-05
21	.110E-04
22	.414E-04
23	.847E-04
24	.897E-04
25	.538E-04
26	.308E-04
27	.134E-04
28	.448E-05
29	*****
30	.417E-05
31	.249E-05
32	.223E-05
33	.161E-04
34	.432E-04
35	.374E-04
36	.279E-04
37	.566E-04
38	.748E-04
39	.319E-04

RUN # 314

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.93 M/S	11.18 M/S
EXIT VEL.	2.50 M/S	29.77 M/S
VOL. FLOW	.29E-03 M3/S	.31E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.50E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5091	.197E-05
2	5055	.969E-06
3	5065	.125E-05
4	5048	.775E-06
5	5071	.141E-05
6	5016	*****
7	5020	*****
8	5000	*****
9	5112	.255E-05
10	5262	.670E-05
11	5284	.731E-05
12	5093	.202E-05
13	5109	.246E-05
14	5092	.199E-05
15	5094	.205E-05
16	5301	.778E-05
17	5622	.167E-04
18	5461	.122E-04
19	5155	.374E-05
20	5097	.213E-05
21	4998	*****
22	5611	.164E-04
23	6123	.305E-04
24	6411	.385E-04
25	5772	.208E-04
26	5415	.109E-04
27	5252	.642E-05
28	5208	.521E-05
29	5058	.105E-05
30	5058	.105E-05
31	5002	*****
32	5115	.263E-05
33	5084	.177E-05
34	5080	.166E-05
35	5249	.634E-05
36	5346	.903E-05
37	5133	.313E-05
38	5766	.207E-04
39	5588	.157E-04
40	5216	.543E-05

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.93 M/S	11.18 M/S
EXIT VEL.	2.16 M/S	25.75 M/S
VOL. FLOW	.31E-03 M3/S	.33E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.82E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
835	.423E-06
845	.658E-06
959	.334E-05
1020	.477E-05
980	.383E-05
924	.252E-05
886	.162E-05
800	*****
895	.183E-05
1308	.115E-04
1460	.151E-04
1151	.785E-05
931	.268E-05
852	.823E-06
938	.284E-05
1234	.980E-05
1868	.247E-04
1851	.243E-04
1567	.176E-04
1092	.646E-05
912	.223E-05
1044	.534E-05
1367	.129E-04
2125	.307E-04
2672	.436E-04
2393	.371E-04
1931	.262E-04
1484	.157E-04
884	.158E-05
879	.146E-05
908	.214E-05
1158	.802E-05
1218	.943E-05
1133	.743E-05
1315	.117E-04
1661	.198E-04
1388	.134E-04
2072	.295E-04
2040	.288E-04
1584	.180E-04

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.93 M/S	11.18 M/S
EXIT VEL.	2.05 M/S	24.37 M/S
VOL. FLOW	.28E-03 M3/S	.30E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.74E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
709	*****
728	*****
796	.327E-06
944	.113E-05
1003	.145E-05
956	.120E-05
837	.550E-06
700	*****
716	*****
1067	.180E-05
1458	.393E-05
1379	.350E-05
997	.142E-05
781	.245E-06
747	.599E-07
1063	.178E-05
1990	.682E-05
2659	.105E-04
3434	.147E-04
1653	.499E-05
993	.140E-05
805	.375E-06
1191	.248E-05
3416	.146E-04
6271	.301E-04
5834	.277E-04
4271	.92E-04
2421	.317E-05
767	.169E-06
785	.267E-06
831	.517E-06
1021	.155E-05
1234	.271E-05
1220	.263E-05
1276	.294E-05
2053	.717E-05
2104	.744E-05
2618	.102E-04
4296	.194E-04
3749	.164E-04

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.239E-05
.163E-05
.491E-05
.668E-05
.670E-05
.371E-05
.217E-05

.438E-05
.200E-04
.264E-04
.134E-04
.657E-05
.306E-05
.495E-05
.194E-04
.482E-04
.470E-04
.361E-04
.136E-04
.363E-05
.221E-04
.460E-04
.839E-04
.946E-04
.757E-04
.519E-04
.301E-04
.280E-05
.278E-05
.256E-05
.122E-04
.133E-04
.117E-04
.210E-04
.360E-04
.240E-04
.604E-04
.639E-04
.399E-04

RUN # 315

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.93 M/S	11.18 M/S
EXIT VEL.	2.50 M/S	29.77 M/S
VOL. FLOW	.29E+03 M ³ /S	.31E+03 M ³ /S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.56E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5688	.300E-05
2	5805	.623E-05
3	5924	.951E-05
4	5871	.805E-05
5	5738	.438E-05
6	5572	*****
7	5579	*****
8	5599	.551E-06
9	5857	.766E-05
10	6397	.225E-04
11	6384	.222E-04
12	5814	.648E-05
13	5597	.496E-06
14	5547	*****
15	6053	.131E-04
16	6651	.295E-04
17	7554	.544E-04
18	7339	.485E-04
19	6272	.191E-04
20	5721	.391E-05
21	5508	*****
22	6434	.236E-04
23	7772	.604E-04
24	8775	.881E-04
25	7669	.576E-04
26	6087	.140E-04
27	5785	.568E-05
28	5587	.220E-06
29	5626	.130E-05
30	5517	*****
31	5505	*****
32	6109	.146E-04
33	6037	.126E-04
34	5810	.637E-05
35	6864	.354E-04
36	7132	.428E-04
37	6105	.145E-04
38	7901	.640E-04
39	7809	.615E-04
40	6284	.194E-04

STACK #2

MODEL	PROTOTYPE
.93 M/S	11.18 M/S
2.16 M/S	25.75 M/S
.31E-03 M ³ /S	.33E+03 M ³ /S
.30E+05	.10E+01
.11E+04	
.22E-03	
.1050E+04 (GM/SEC)	
30.48 CM	91.44 M
1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1163	.608E-06
1455	.744E-05
1917	.182E-04
1944	.189E-04
1721	.137E-04
1424	.671E-05
1170	.772E-06
1110	*****
1438	.704E-05
2616	.346E-04
2909	.415E-04
2145	.236E-04
1219	.192E-05
1095	*****
1425	.674E-05
2082	.221E-04
3763	.614E-04
3717	.604E-04
2647	.353E-04
1504	.359E-05
1154	.398E-05
1335	.463E-05
2108	.227E-04
3390	.527E-04
3527	.559E-04
2478	.314E-04
1949	.190E-04
1536	.933E-05
1274	.321E-05
1265	.299E-05
1266	.302E-05
2339	.281E-04
2288	.269E-04
2013	.205E-04
3021	.441E-04
3344	.516E-04
2665	.357E-04
3493	.551E-04
3695	.598E-04
2364	.287E-04

STACK #3

MODEL	PROTOTYPE
.93 M/S	11.18 M/S
2.05 M/S	24.37 M/S
.28E-03 M ³ /S	.30E+03 M ³ /S
.20E+05	.10E+01
.11E+04	
.15E-03	
.2200E+03 (GM/SEC)	
30.48 CM	91.44 M
1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
1030	*****
1088	.542E-07
1196	.639E-06
1421	.186E-05
1594	.279E-05
1360	.153E-05
1090	.650E-07
1035	*****
1094	.866E-07
1582	.273E-05
2212	.614E-05
2137	.574E-05
1346	.145E-05
1058	*****
1149	.385E-06
1535	.247E-05
2825	.946E-05
3529	.133E-04
3777	.146E-04
1749	.363E-05
1174	.520E-06
1138	.325E-06
1491	.224E-05
3553	.134E-04
5305	.229E-04
6130	.274E-04
4584	.190E-04
2385	.708E-05
1044	*****
1080	.108E-07
1116	.206E-06
1390	.169E-05
1758	.368E-05
1927	.460E-05
2061	.532E-05
2839	.954E-05
2691	.874E-05
2732	.896E-05
4119	.181E-04
3931	.155E-04

PREDICTED TOTAL PROTOTYPE SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.361E-05
.137E-04
.284E-04
.248E-04
.208E-04
.824E-05
.837E-06
.551E-06
.148E-04
.599E-04
.698E-04
.358E-04
.387E-05

.202E-04
.541E-04
.125E-03
.122E-03
.690E-04
.161E-04
.918E-06
.885E-04
.854E-04
.154E-03
.136E-03
.727E-04
.437E-04
.166E-04
.450E-05
.301E-05
.322E-05
.444E-04
.432E-04
.315E-04
.448E-04
.104E-03
.590E-04
.128E-03
.139E-05
.636E-04

RUN # 316

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.93 M/S	11.18 M/S
EXIT VEL.	2.50 M/S	29.77 M/S
VOL. FLOW	.29E+03 M3/S	.31E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.52E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5289	.229E-05
2	5271	.179E-05
3	5263	.157E-05
4	5237	.854E-06
5	5304	.270E-05
6	5272	.182E-05
7	5206	*****
8	5324	.325E-05
9	5218	.331E-06
10	5271	.455E-05
11	5249	.115E-05
12	5282	.209E-05
13	5224	.496E-06
14	5288	.226E-05
15	5352	.402E-05
16	5429	.615E-05
17	5424	.601E-05
18	5470	.728E-05
19	5283	.212E-05
20	5322	.320E-05
21	5258	.143E-05
22	5395	.521E-05
23	5578	.103E-04
24	5623	.115E-04
25	5632	.117E-04
26	5439	.642E-05
27	5418	.584E-05
28	5370	.452E-05
29	5261	.152E-05
30	5229	.634E-06
31	5243	.102E-05
32	*****	*****
33	5285	.218E-05
34	5302	.265E-05
35	5396	.524E-05
36	5396	.524E-05
37	5247	.113E-05
38	5563	.984E-05
39	5491	.785E-05
40	5348	.391E-05

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.93 M/S	11.18 M/S
EXIT VEL.	2.16 M/S	25.75 M/S
VOL. FLOW	.31E+03 M3/S	.33E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.82E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	852	.702E-06
2	840	.421E-06
3	859	.866E-06
4	883	.143E-05
5	865	.101E-05
6	861	.912E-06
7	830	.187E-06
8	843	.491E-06
9	835	.304E-06
10	934	.262E-05
11	953	.306E-05
12	898	.178E-05
13	841	.445E-06
14	842	.468E-06
15	880	.136E-05
16	1020	.463E-05
17	1129	.718E-05
18	1141	.746E-05
19	960	.323E-05
20	871	.115E-05
21	849	.632E-06
22	997	.409E-05
23	1183	.845E-05
24	1360	.126E-04
25	1375	.129E-04
26	1142	.749E-05
27	1058	.552E-05
28	1027	.480E-05
29	861	.912E-06
30	828	.140E-06
31	893	.166E-05
32	948	.295E-05
33	915	.218E-05
34	900	.182E-05
35	1059	.554E-05
36	1062	.562E-05
37	930	.253E-05
38	1236	.969E-05
39	1184	.847E-05
40	1017	.456E-05

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.93 M/S	11.18 M/S
EXIT VEL.	2.05 M/S	24.37 M/S
VOL. FLOW	.28E+03 M3/S	.30E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.87E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	850	*****
2	868	*****
3	856	*****
4	896	.135E-06
5	890	.103E-06
6	883	.650E-07
7	871	*****
8	854	*****
9	867	*****
10	943	.390E-06
11	943	.390E-06
12	922	.276E-06
13	887	.866E-07
14	856	*****
15	891	.108E-06
16	988	.634E-06
17	1069	.107E-05
18	1073	.109E-05
19	1000	.699E-06
20	884	.704E-07
21	861	*****
22	966	.514E-06
23	1101	.125E-05
24	1256	.208E-05
25	1339	.253E-05
26	1188	.172E-05
27	1076	.111E-05
28	1023	.823E-06
29	838	*****
30	829	*****
31	877	.325E-07
32	905	.184E-06
33	928	.309E-06
34	939	.368E-06
35	1012	.764E-06
36	1027	.845E-06
37	989	.639E-06
38	1151	.152E-05
39	1184	.170E-05
40	1067	.106E-05

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.299E-05
2	.221E-05
3	.244E-05
4	.242E-05
5	.381E-05
6	.280E-05
7	.187E-06
8	.374E-05
9	.635E-06
10	.756E-06
11	.464E-06
12	.415E-06
13	.103E-05
14	.273E-05
15	.549E-05
16	.114E-04
17	.143E-04
18	.158E-04
19	.605E-05
20	.441E-05
21	.206E-05
22	.982E-05
23	.199E-04
24	.262E-04
25	.272E-04
26	.156E-04
27	.125E-04
28	.101E-04
29	.243E-05
30	.774E-06
31	.271E-06
32	.313E-05
33	.466E-05
34	.484E-05
35	.115E-04
36	.117E-04
37	.430E-05
38	.210E-04
39	.180E-04
40	.954E-05

RUN # 317

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.33 M/S	13.41 M/S
EXIT VEL.	1.11 M/S	11.22 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.51E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.33 M/S	13.41 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.56E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.33 M/S	13.41 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.82E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	7037	.679E-04
2	17061	.417E-03
3	32701	.962E-03
4	40894	.125E-02
5	30696	.892E-03
6	17435	.430E-03
7	9832	.165E-03
8	5420	.116E-04
9	11372	.219E-03
10	33882	.100E-02
11	45921	.142E-02
12	28851	.828E-03
13	14048	.312E-03
14	6431	.468E-04
15	8262	.111E-03
16	22868	.619E-03
17	34610	.103E-02
18	37709	.114E-02
19	26674	.752E-03
20	14188	.317E-03
21	7111	.705E-04
22	7285	.765E-04
23	14730	.336E-03
24	24518	.677E-03
25	24896	.690E-03
26	13655	.298E-03
27	7657	.895E-04
28	6030	.328E-04
29	15452	.361E-03
30	16091	.383E-03
31	17057	.417E-03
32	38808	.117E-02
33	46722	.145E-02
34	36029	.108E-02
35	35844	.107E-02
36	41957	.128E-02
37	29235	.841E-03
38	31696	.927E-03
39	34038	.101E-02
40	23229	.632E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
5249	.113E-03
21331	.499E-03
31983	.124E-02
78602	.187E-02
81035	.193E-02
58491	.139E-02
31589	.745E-03
1802	.298E-04
9373	.212E-03
42803	.101E-02
69896	.167E-02
56278	.134E-02
31044	.732E-03
8358	.187E-03
4395	.921E-04
21662	.907E-03
38793	.918E-03
49091	.117E-02
40469	.959E-03
21392	.500E-03
7368	.164E-03
3104	.511E-04
11712	.258E-03
24481	.575E-03
28998	.683E-03
16274	.377E-03
6732	.148E-03
3446	.693E-04
33788	.798E-03
45163	.107E-02
70916	.169E-02
55294	.131E-02
76657	.183E-02
74557	.178E-02
44729	.106E-02
58220	.139E-02
49570	.118E-02
34970	.827E-03
42385	.100E-02
32261	.762E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
2249	.499E-05
9388	.298E-04
28662	.970E-04
61465	.211E-03
84320	.291E-03
76218	.263E-03
48575	.166E-03
1331	.179E-05
5569	.165E-04
30857	.105E-03
61803	.212E-03
64460	.222E-03
42689	.146E-03
12821	.418E-04
3514	.939E-05
15360	.506E-04
31460	.107E-03
46254	.158E-03
43685	.149E-03
26151	.882E-04
10858	.350E-04
2354	.500E-05
9394	.299E-04
20839	.697E-04
27878	.942E-04
19130	.638E-04
9275	.295E-04
5274	.155E-04
16237	.537E-04
28739	.972E-04
58837	.202E-03
37691	.128E-03
68152	.234E-03
78256	.270E-03
34299	.117E-03
52749	.181E-03
53286	.183E-03
29348	.998E-04
39831	.136E-03
34922	.119E-03

TOTAL CONCENTRATION (GM/M**3)
.185E-03
.946E-03
.229E-02
.333E-02
.312E-02
.208E-02
.108E-02
.432E-04
.447E-03
.212E-02
.330E-02
.239E-02
.119E-02
.276E-03
.212E-03
.118E-03
.205E-03
.246E-03
.186E-03
.306E-03
.269E-03
.143E-03
.634E-03
.132E-02
.147E-02
.740E-03
.267E-03
.118E-03
.121E-02
.155E-02
.331E-02
.262E-02
.351E-02
.312E-02
.225E-02
.285E-02
.220E-02
.185E-03
.215E-02
.151E-02

RUN # 318

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.53 M/S	25.57 M/S
VOL. FLOW	.30E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.51E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E+03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.70E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.18 M/S	22.07 M/S
VOL. FLOW	.30E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.10E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	5290	.529E-05	1187	.132E-04	1499	.285E-05	.214E-04
2	6817	.548E-04	4998	.116E-03	5996	.300E-04	.201E-03
3	8391	.106E-03	9754	.244E-03	13529	.755E-04	.426E-03
4	9310	.136E-03	13755	.352E-03	20524	.118E-03	.606E-03
5	8404	.106E-03	11352	.287E-03	22980	.133E-03	.526E-03
6	5846	.233E-04	6321	.152E-03	19100	.109E-03	.284E-03
7	5309	.590E-05	2892	.592E-04	9343	.502E-04	.115E-03
8	5127	*****	808	.302E-05	1205	.108E-05	.410E-05
9	7768	.857E-04	3722	.816E-04	4900	.234E-04	.191E-03
10	14987	.320E-03	17458	.452E-03	23348	.135E-03	.907E-03
11	14871	.316E-03	21500	.561E-03	34248	.201E-03	.108E-02
12	9540	.143E-03	12204	.310E-03	27596	.161E-03	.614E-03
13	5901	.251E-04	4295	.971E-04	13199	.735E-04	.196E-03
14	5085	*****	1077	.103E-04	2449	.859E-05	.189E-04
15	6760	.530E-04	2096	.378E-04	3460	.147E-04	.105E-03
16	12752	.247E-03	9961	.250E-03	12399	.687E-04	.566E-03
17	17778	.410E-03	20400	.532E-03	28504	.166E-03	.111E-02
18	15567	.339E-03	21078	.550E-03	36742	.216E-03	.110E-02
19	9779	.151E-03	12020	.306E-03	25902	.150E-03	.604E-03
20	6346	.395E-04	4929	.114E-03	12574	.698E-04	.224E-03
21	5344	.704E-05	1596	.243E-04	4293	.197E-04	.511E-04
22	7683	.829E-04	2515	.491E-04	2566	.930E-05	.144E-03
23	10331	.169E-03	5443	.128E-03	6959	.358E-04	.333E-03
24	15178	.326E-03	15557	.401E-03	22064	.127E-03	.854E-03
25	11530	.208E-03	13659	.350E-03	23001	.133E-03	.890E-03
26	8601	.113E-03	8766	.218E-03	15737	.889E-04	.419E-03
27	6895	.573E-04	5286	.124E-03	9771	.528E-04	.234E-03
28	5778	.211E-04	2484	.482E-04	5134	.248E-04	.942E-04
29	5389	.850E-05	3645	.796E-04	4629	.218E-04	.110E-03
30	5371	.791E-05	4349	.986E-04	7522	.392E-04	.146E-03
31	5478	.114E-04	5623	.133E-03	11706	.645E-04	.209E-03
32	12086	.226E-03	14733	.379E-03	19307	.110E-03	.715E-03
33	12396	.236E-03	18647	.484E-03	28124	.164E-03	.884E-03
34	9644	.147E-03	14553	.374E-03	27370	.159E-03	.680E-03
35	17085	.388E-03	20079	.523E-03	26797	.156E-03	.107E-02
36	15984	.352E-03	22794	.596E-03	36199	.213E-03	.116E-02
37	10255	.166E-03	13260	.339E-03	28078	.163E-03	.669E-03
38	17329	.396E-03	19441	.506E-03	27712	.161E-03	.106E-02
39	14593	.307E-03	18681	.485E-03	32063	.188E-03	.980E-03
40	8908	.123E-03	10181	.256E-03	21044	.121E-03	.499E-03

RUN # 318R

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.33 M/S	13.41 M/S
EXIT VEL.	2.53 M/S	25.57 M/S
VOL. FLOW	.30E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.50E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.33 M/S	13.41 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E+03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.41E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.33 M/S	13.41 M/S
EXIT VEL.	2.18 M/S	22.07 M/S
VOL. FLOW	.30E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.49E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5045	.151E-05
2	6252	.403E-04
3	8229	.104E-03
4	8159	.102E-03
5	7338	.752E-04
6	5759	.245E-04
7	5308	.996E-05
8	4940	*****
9	6491	.480E-04
10	10990	.193E-03
11	12633	.245E-03
12	8564	.115E-03
13	5635	.205E-04
14	5097	.318E-05
15	7431	.782E-04
16	12019	.226E-03
17	17643	.406E-03
18	15712	.344E-03
19	9214	.135E-03
20	6227	.395E-04
21	5386	.125E-04
22	7367	.761E-04
23	11818	.219E-03
24	16547	.371E-03
25	11984	.224E-03
26	8034	.976E-04
27	6378	.443E-04
28	5670	.216E-04
29	5326	.105E-04
30	5281	.909E-05
31	5268	.868E-05
32	10027	.162E-03
33	10066	.163E-03
34	8702	.119E-03
35	14968	.320E-03
36	14216	.296E-03
37	9575	.147E-03
38	18535	.435E-03
39	14679	.311E-03
40	8571	.115E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
698	.764E-05
3446	.811E-04
9758	.250E-03
13944	.362E-03
13484	.349E-03
6984	.176E-03
2610	.587E-04
451	.104E-05
3512	.829E-04
12695	.328E-03
18645	.487E-03
13574	.352E-03
4443	.108E-03
1098	.183E-04
2539	.568E-04
8679	.221E-03
18042	.471E-03
19239	.503E-03
12475	.322E-03
4723	.115E-03
1951	.411E-04
1792	.369E-04
6539	.164E-03
15299	.398E-03
12786	.331E-03
7587	.192E-03
4592	.112E-03
2357	.520E-04
2684	.607E-04
3719	.884E-04
4999	.123E-03
13107	.339E-03
16662	.434E-03
14804	.385E-03
15394	.400E-03
19045	.498E-03
13740	.356E-03
18623	.487E-03
17443	.455E-03
9279	.237E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
827	.202E-05
3667	.190E-04
13183	.760E-04
23595	.138E-03
27068	.159E-03
20419	.119E-03
9491	.539E-04
498	.479E-07
4041	.213E-04
17647	.103E-03
22325	.167E-03
29050	.171E-03
15207	.881E-04
2741	.135E-04
1905	.847E-05
9112	.516E-04
23043	.135E-03
30428	.179E-03
25855	.152E-03
12015	.690E-04
6433	.356E-04
1348	.514E-05
6105	.336E-04
17397	.101E-03
20547	.120E-03
15047	.871E-04
9820	.558E-04
5683	.311E-04
4423	.235E-04
7169	.400E-04
15074	.873E-04
19207	.112E-03
26650	.157E-03
29175	.172E-03
18900	.110E-03
30204	.178E-03
28745	.169E-03
23213	.136E-03
28434	.167E-03
19635	.115E-03

TOTAL CONCENTRATION (GM/M**3)
.112E-04
.140E-03
.430E-03
.602E-03
.584E-03
.319E-03
.123E-03
.109E-05
.152E-03
.624E-03
.899E-03
.637E-03
.216E-03
.350E-04
.144E-03
.498E-03
.101E-02
.103E-02
.610E-03
.224E-03
.892E-04
.118E-03
.417E-03
.870E-03
.675E-03
.376E-03
.558E-04
.105E-03
.948E-04
.137E-03
.219E-03
.613E-03
.754E-03
.675E-03
.831E-03
.972E-03
.672E-03
.106E-02
.934E-03
.466E-03

RUN # 319
STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.13 M/S	13.41 M/S
EXIT VEL.	2.50 M/S	29.77 M/S
VOL. FLOW	.29E+03 M3/S	.31E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.47E+04	
CALIBRATION FACTOR	.42E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.13 M/S	13.41 M/S
EXIT VEL.	2.16 M/S	25.75 M/S
VOL. FLOW	.31E+03 M3/S	.33E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.22E+03	
CALIBRATION FACTOR	.23E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.13 M/S	13.41 M/S
EXIT VEL.	2.05 M/S	24.37 M/S
VOL. FLOW	.28E+03 M3/S	.30E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.27E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	4819	.473E-05	620	.989E-05	379	.616E-06	.152E-04
2	5223	.164E-04	2156	.474E-04	1310	.588E-05	.697E-04
3	5943	.371E-04	6577	.155E-03	6756	.367E-04	.229E-03
4	6564	.551E-04	10577	.253E-03	13219	.732E-04	.381E-03
5	6034	.398E-04	10296	.246E-03	16000	.889E-04	.375E-03
6	4931	.796E-05	6128	.144E-03	12156	.672E-04	.220E-03
7	4736	.234E-05	2461	.548E-04	6241	.338E-04	.909E-04
8	4667	.346E-06	331	.283E-05	319	.277E-06	.346E-05
9	5414	.219E-04	1887	.408E-04	1213	.533E-05	.680E-04
10	7657	.866E-04	8697	.207E-03	9710	.534E-04	.347E-03
11	8592	.114E-03	14656	.553E-03	19003	.106E-03	.572E-03
12	6733	.599E-04	12032	.289E-03	19615	.109E-03	.459E-03
13	4945	.836E-05	4348	.101E-03	8801	.482E-04	.153E-03
14	4655	*****	865	.159E-04	1766	.846E-05	.243E-04
15	4388	*****	*****	*****	*****	*****	*****
16	8590	.113E-03	5420	.127E-03	5669	.305E-04	.271E-03
17	10377	.165E-03	11264	.270E-03	13777	.763E-04	.311E-03
18	9605	.143E-03	14654	.353E-03	21944	.123E-03	.618E-03
19	7921	.942E-04	11070	.265E-03	17489	.973E-04	.457E-03
20	5641	.284E-04	4754	.111E-03	9569	.526E-04	.192E-03
21	4839	.531E-05	1614	.342E-04	3935	.207E-04	.602E-04
22	6189	.442E-04	1171	.233E-04	716	.252E-05	.701E-04
23	9051	.127E-03	3917	.904E-04	3769	.198E-04	.237E-03
24	12351	.222E-03	10062	.240E-03	11193	.617E-04	.524E-03
25	9870	.150E-03	11288	.270E-03	16858	.938E-04	.515E-03
26	6814	.623E-04	7358	.174E-03	13884	.770E-04	.314E-03
27	5531	.253E-04	3952	.913E-04	8688	.476E-04	.164E-03
28	5002	.100E-04	1874	.405E-04	4564	.243E-04	.748E-04
29	4888	.672E-05	2731	.614E-04	1945	.947E-05	.776E-04
30	4845	.548E-05	4802	.112E-03	4978	.266E-04	.144E-03
31	4679	.692E-06	5123	.120E-03	7596	.414E-04	.162E-03
32	6961	.665E-04	8379	.199E-03	8788	.481E-04	.314E-03
33	7680	.872E-04	13837	.333E-03	16316	.907E-04	.511E-03
34	6731	.599E-04	12170	.292E-03	18009	.100E-03	.452E-03
35	8627	.115E-03	9253	.221E-03	11523	.636E-04	.399E-03
36	9816	.149E-03	15502	.583E-03	21550	.120E-03	.652E-03
37	7500	.820E-04	12289	.295E-03	19406	.108E-03	.485E-03
38	11781	.205E-03	12218	.294E-03	14852	.824E-04	.581E-03
39	10136	.158E-03	14224	.342E-03	21812	.117E-03	.617E-03
40	7637	.860E-04	9589	.229E-03	15258	.847E-04	.400E-03

RUN # 320

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.34 M/S	13.41 M/S
EXIT VEL.	1.11 M/S	11.22 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.55E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.34 M/S	13.41 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.60E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.34 M/S	13.41 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.81E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5710	.607E-05
2	7779	.778E-04
3	11718	.214E-03
4	13248	.267E-03
5	10192	.161E-03
6	7458	.667E-04
7	5910	.130E-04
8	5672	.475E-05
9	9487	.137E-03
10	18935	.465E-03
11	22691	.595E-03
12	15369	.341E-03
13	8013	.859E-04
14	5766	.801E-05
15	8371	.983E-04
16	16218	.370E-03
17	22758	.597E-03
18	23637	.628E-03
19	17185	.404E-03
20	9698	.144E-03
21	6259	.251E-04
22	7194	.575E-04
23	11424	.204E-03
24	17961	.431E-03
25	18001	.432E-03
26	10605	.176E-03
27	7545	.697E-04
28	6376	.292E-04
29	5863	.114E-04
30	5708	.600E-05
31	5817	.978E-05
32	16788	.390E-03
33	19126	.471E-03
34	15060	.330E-03
35	22859	.601E-03
36	23678	.629E-03
37	17130	.402E-03
38	21974	.570E-03
39	22284	.581E-03
40	15651	.351E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
1184	.140E-04
6799	.148E-03
16575	.382E-03
24926	.382E-03
226611	.622E-03
20821	.884E-03
9902	.223E-03
884	.686E-05
6088	.131E-03
22823	.532E-03
38725	.912E-03
33667	.791E-03
15047	.346E-03
3264	.638E-04
3949	.802E-04
13719	.314E-03
25005	.584E-03
32369	.760E-03
26623	.622E-03
12390	.282E-03
3901	.790E-04
2460	.446E-04
7735	.171E-03
17772	.411E-03
20978	.487E-03
10839	.245E-03
5878	.126E-03
3218	.627E-04
4606	.959E-04
5945	.128E-03
9632	.216E-03
24159	.564E-03
33093	.777E-03
33542	.788E-03
26226	.613E-03
36785	.865E-03
30877	.724E-03
23870	.557E-03
29134	.682E-03
21082	.490E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
978	.589E-06
2639	.635E-05
8704	.274E-04
18052	.598E-04
24372	.813E-04
22581	.755E-04
13781	.450E-04
1077	.933E-06
3363	.886E-05
15391	.506E-04
29458	.993E-04
31100	.105E-03
18012	.596E-04
4902	.142E-04
2585	.616E-05
10050	.320E-04
20222	.673E-04
29097	.981E-04
27094	.911E-04
13508	.440E-04
5802	.173E-04
1869	.368E-05
6382	.193E-04
15579	.512E-04
20796	.693E-04
12645	.410E-04
8110	.253E-04
5245	.154E-04
2018	.419E-05
4402	.123E-04
10185	.323E-04
15311	.503E-04
24054	.806E-04
30020	.101E-03
19320	.642E-04
30069	.101E-03
29165	.983E-04
19972	.664E-04
27704	.932E-04
21972	.734E-04

TOTAL CONCENTRATION (GM/M**3)
.207E-04
.232E-03
.624E-03
.909E-03
.865E-03
.626E-03
.281E-03
.125E-04
.277E-03
.105E-02
.161E-03
.124E-02
.491E-03
.860E-04
.185E-03
.716E-03
.125E-02
.149E-02
.112E-02
.470E-03
.121E-03
.106E-03
.394E-03
.893E-03
.989E-03
.462E-03
.221E-03
.107E-03
.111E-03
.146E-03
.258E-03
.100E-02
.133E-02
.122E-02
.128E-02
.160E-02
.122E-02
.119E-02
.136E-02
.914E-03

RUN # 321

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.53 M/S	25.57 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.59E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	6292	.132E-04
2	6529	.209E-04
3	6702	.265E-04
4	6908	.332E-04
5	6577	.225E-04
6	6646	.247E-04
7	6480	.193E-04
8	6108	.727E-05
9	6640	.245E-04
10	8615	.886E-04
11	8625	.889E-04
12	7192	.424E-04
13	6900	.330E-04
14	6638	.245E-04
15	8077	.711E-04
16	10538	.151E-03
17	12096	.202E-03
18	10878	.162E-03
19	8779	.939E-04
20	7055	.380E-04
21	6707	.267E-04
22	8075	.711E-04
23	11630	.186E-03
24	14350	.275E-03
25	12276	.207E-03
26	8826	.954E-04
27	7256	.445E-04
28	6885	.325E-04
29	6672	.256E-04
30	6044	.519E-05
31	6750	.281E-04
32	7557	.543E-04
33	7796	.620E-04
34	7200	.427E-04
35	10428	.147E-03
36	9746	.125E-03
37	8050	.703E-04
38	13033	.232E-03
39	11777	.191E-03
40	9052	.103E-03

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03M3/S	.29E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.16E+04	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2449	.234E-04
3245	.449E-04
4747	.854E-04
5442	.104E-03
5267	.994E-04
4181	.701E-04
3161	.426E-04
2268	.185E-04
2773	.321E-04
7634	.163E-03
8599	.189E-03
6369	.129E-03
4268	.725E-04
3116	.414E-04
3966	.643E-04
7648	.164E-03
12491	.294E-03
12384	.291E-03
9016	.201E-03
5755	.113E-03
3467	.509E-04
3993	.543E-04
7541	.161E-03
12970	.307E-03
12843	.304E-03
8545	.188E-03
5575	.108E-03
3890	.623E-04
3106	.411E-04
2536	.257E-04
3444	.502E-04
6581	.135E-03
6874	.143E-03
6590	.135E-03
9865	.223E-03
11082	.256E-03
8045	.174E-03
12884	.305E-03
13184	.313E-03
9568	.215E-03

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.18 M/S	22.07 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.16E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
2156	.397E-05
2567	.645E-05
4247	.166E-04
5662	.252E-04
6757	.318E-04
6217	.285E-04
4334	.171E-04
1982	.292E-05
2249	.453E-05
7509	.363E-04
11518	.605E-04
10264	.530E-04
6393	.296E-04
2937	.869E-05
3208	.103E-04
8180	.404E-04
16205	.889E-04
18787	.104E-03
15868	.868E-04
10605	.550E-04
5316	.231E-04
2963	.885E-05
8658	.433E-04
17014	.937E-04
19736	.110E-03
15201	.828E-04
9998	.514E-04
6016	.273E-04
3223	.104E-04
2356	.518E-05
3999	.151E-04
5948	.269E-04
8428	.419E-04
9041	.456E-04
11232	.588E-04
15111	.822E-04
13993	.755E-04
16701	.919E-04
19951	.111E-03
16198	.888E-04

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.406E-04
.722E-04
.129E-03
.163E-03
.134E-03
.123E-03
.791E-04
.287E-04
.612E-04
.288E-03
.339E-03
.225E-03
.135E-03
.745E-04
.146E-03
.355E-03
.585E-03
.558E-03
.381E-03
.206E-03
.101E-03
.134E-03
.390E-03
.676E-03
.621E-03
.366E-03
.204E-03
.122E-03
.771E-04
.361E-04
.934E-04
.247E-03
.430E-03
.444E-03
.320E-03
.629E-03
.616E-03
.407E-03

RUN # 322

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.13 M/S	13.41 M/S
EXIT VEL.	1.11 M/S	13.24 M/S
VOL. FLOW	.13E-03M3/S	.14E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.62E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.13 M/S	13.41 M/S
EXIT VEL.	.96 M/S	11.42 M/S
VOL. FLOW	.14E-03M3/S	.14E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.14E+04	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.13 M/S	13.41 M/S
EXIT VEL.	.95 M/S	11.31 M/S
VOL. FLOW	.13E-03M3/S	.14E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.14E+04	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	6197	.758E-06
2	6861	.201E-04
3	7520	.393E-04
4	8182	.586E-04
5	7906	.506E-04
6	6578	.119E-04
7	6292	.353E-05
8	6093	*****
9	7538	.398E-04
10	10587	.129E-03
11	11059	.142E-03
12	8608	.710E-04
13	6610	.128E-04
14	6153	*****
15	7625	.424E-04
16	10859	.137E-03
17	13628	.217E-03
18	12609	.188E-03
19	9929	.110E-03
20	7320	.335E-04
21	6341	.495E-05
22	7201	.300E-04
23	10140	.116E-03
24	13116	.202E-03
25	12309	.179E-03
26	8526	.686E-04
27	7137	.282E-04
28	6465	.857E-05
29	6095	*****
30	6001	*****
31	6042	*****
32	9766	.105E-03
33	10333	.121E-03
34	8390	.647E-04
35	12894	.196E-03
36	11937	.168E-03
37	9372	.933E-04
38	13788	.222E-03
39	12942	.197E-03
40	9742	.104E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
1636	.468E-05
3380	.397E-04
7367	.120E-03
12935	.232E-03
11905	.211E-03
7457	.122E-03
3697	.461E-04
1472	.139E-05
4271	.576E-04
12546	.224E-03
17652	.326E-03
13286	.239E-03
5597	.843E-04
2132	.146E-04
2988	.318E-04
8052	.134E-03
14501	.263E-03
16707	.308E-03
12973	.232E-03
6389	.100E-03
2885	.298E-04
2428	.206E-04
5897	.903E-04
11432	.202E-03
13336	.240E-03
7695	.126E-03
4258	.574E-04
2780	.277E-04
2830	.287E-04
4268	.576E-04
4709	.664E-04
12813	.299E-03
16063	.295E-03
14051	.284E-03
14243	.283E-03
17670	.327E-03
14328	.260E-03
14222	.258E-03
16063	.295E-03
11058	.194E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
1542	.373E-06
3405	.580E-05
6578	.150E-04
14209	.373E-04
14434	.379E-04
10699	.271E-04
5968	.133E-04
1445	.903E-07
3846	.709E-05
10565	.267E-04
21012	.571E-04
20046	.543E-04
10524	.265E-04
2837	.415E-05
2386	.283E-05
7528	.178E-04
14470	.380E-04
21010	.571E-04
20597	.559E-04
11560	.296E-04
5753	.126E-04
2070	.191E-05
5680	.124E-04
12100	.311E-04
17205	.460E-04
11560	.296E-04
6979	.162E-04
3625	.644E-05
4364	.860E-05
4061	.771E-05
5782	.127E-04
10326	.260E-04
15918	.423E-04
17337	.464E-04
14334	.307E-04
21482	.585E-04
21482	.585E-04
22104	.393E-04
14893	.393E-04
20274	.550E-04
17039	.455E-04

TOTAL CONCENTRATION (GM/M**3)
.581E-05
.656E-04
.174E-03
.328E-03
.300E-03
.161E-03
.629E-04
.148E-05
.105E-03
.379E-03
.526E-03
.364E-03
.124E-03
.188E-04
.771E-04
.298E-03
.519E-03
.552E-03
.398E-03
.163E-03
.474E-04
.525E-04
.218E-03
.435E-03
.465E-03
.225E-03
.102E-03
.427E-04
.373E-04
.653E-04
.792E-04
.360E-03
.458E-03
.365E-03
.485E-03
.553E-03
.413E-03
.519E-03
.547E-03
.344E-03

RUN # 323

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.12 M/S	13.41 M/S
EXIT VEL.	2.50 M/S	29.77 M/S
VOL. FLOW	.29E+03 M3/S	.31E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.50E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.12 M/S	13.41 M/S
EXIT VEL.	2.16 M/S	25.75 M/S
VOL. FLOW	.31E+03 M3/S	.33E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.79E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.12 M/S	13.41 M/S
EXIT VEL.	2.05 M/S	24.37 M/S
VOL. FLOW	.28E+03 M3/S	.30E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.78E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5041	.445E-06
2	5096	.197E-05
3	5162	.381E-05
4	5155	.361E-05
5	5068	.120E-05
6	5034	.250E-06
7	5020	*****
8	4938	*****
9	5265	.667E-05
10	5610	.163E-04
11	5896	.242E-04
12	5226	.559E-05
13	5022	*****
14	4970	*****
15	5562	.149E-04
16	6737	.476E-04
17	7432	.669E-04
18	6988	.546E-04
19	5899	.243E-04
20	5184	.442E-05
21	5036	.306E-06
22	6234	.336E-04
23	7406	.662E-04
24	9144	.115E-03
25	8158	.874E-04
26	6268	.346E-04
27	5527	.140E-04
28	5179	.428E-05
29	5036	.306E-06
30	4992	*****
31	5105	.222E-05
32	5278	.703E-05
33	5410	.107E-04
34	5220	.542E-05
35	6537	.420E-04
36	6454	.397E-04
37	5559	.148E-04
38	8101	.855E-04
39	7409	.663E-04
40	5974	.264E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
796	.260E-06
895	.260E-05
1140	.838E-05
1530	.176E-04
1438	.154E-04
1126	.805E-05
903	.279E-05
768	*****
1001	.510E-05
2101	.311E-04
2789	.473E-04
2172	.327E-04
1115	.779E-05
837	.123E-05
1052	.630E-05
2419	.386E-04
4051	.771E-04
4196	.805E-04
3336	.602E-04
1667	.208E-04
988	.479E-05
1327	.128E-04
2595	.427E-04
5173	.104E-03
4362	.962E-04
3766	.704E-04
2408	.583E-04
1623	.198E-04
880	.224E-05
890	.248E-05
968	.432E-05
1744	.226E-04
2112	.313E-04
1948	.275E-04
3080	.542E-04
3890	.733E-04
2918	.503E-04
4618	.905E-04
4372	.847E-04
3266	.586E-04

RAW (AREA)	CONCENTRATION (GM/M**3)
761	*****
818	.186E-06
1024	.131E-05
1321	.293E-05
1408	.341E-05
1259	.260E-05
1014	.126E-05
747	*****
905	.661E-06
1682	.491E-05
2369	.866E-05
2396	.881E-05
1351	.310E-05
905	.661E-06
936	.830E-06
1987	.657E-05
4510	.204E-04
5104	.236E-04
4927	.226E-04
2398	.882E-05
1206	.231E-05
1023	.131E-05
2302	.829E-05
6075	.289E-04
7393	.361E-04
7511	.368E-04
5284	.246E-04
2831	.112E-04
832	.262E-06
907	.672E-06
1037	.138E-05
1549	.418E-05
1915	.618E-05
2036	.684E-05
2787	.109E-04
4831	.221E-04
4390	.197E-04
5497	.258E-04
6120	.292E-04
5279	.246E-04

TOTAL CONCENTRATION (GM/M**3)
.705E-06
.476E-05
.135E-04
.241E-04
.200E-04
.109E-04
.404E-05

.123E-04
.522E-04
.802E-04
.471E-04
.109E-04
.189E-05
.221E-04
.927E-04
.164E-03
.159E-03
.107E-03
.341E-04
.740E-05
.477E-04
.117E-03
.247E-03
.220E-03
.142E-03
.766E-04
.352E-04
.281E-05
.315E-05
.793E-05
.339E-04
.482E-04
.397E-04
.107E-03
.135E-03
.849E-04
.202E-03
.180E-03
.110E-03

RUN # 324

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.34 M/S	13.41 M/S
EXIT VEL.	1.11 M/S	11.22 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.55E+04	
CALIBRATION FACTOR	.42E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.34 M/S	13.41 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.11E+04	
CALIBRATION FACTOR	.23E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.34 M/S	13.41 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03M3/S	.12E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.80E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	6953	.540E-04	6635	.139E-03	3530	.989E-05	.203E-03
2	16753	.409E-03	31440	.759E-03	17435	.602E-04	.123E-02
3	27631	.803E-03	65611	.161E-02	43680	.155E-03	.257E-02
4	32686	.986E-03	95061	.235E-02	76433	.274E-03	.361E-02
5	23990	.671E-03	90310	.223E-02	85952	.308E-03	.321E-02
6	13721	.299E-03	58022	.142E-02	70150	.251E-03	.197E-02
7	8409	.107E-03	28993	.698E-03	46722	.166E-03	.971E-03
8	5902	.159E-04	2591	.382E-04	1663	.313E-05	.572E-04
9	12800	.266E-03	13965	.322E-03	8894	.293E-04	.617E-03
10	31652	.949E-03	49696	.122E-02	36305	.129E-03	.229E-02
11	38164	.118E-02	77727	.192E-02	71726	.257E-03	.336E-02
12	26782	.772E-03	63054	.155E-02	68529	.245E-03	.257E-02
13	11540	.220E-03	29495	.710E-03	39664	.141E-03	.107E-02
14	5964	.182E-04	7334	.157E-03	12340	.418E-04	.217E-03
15	11407	.215E-03	9622	.214E-03	6878	.220E-04	.451E-03
16	24781	.700E-03	27413	.658E-03	21264	.741E-04	.143E-02
17	35729	.110E-02	45523	.111E-02	37819	.134E-03	.234E-02
18	33537	.102E-02	50658	.124E-02	48560	.173E-03	.243E-02
19	23311	.646E-03	38121	.926E-03	43085	.153E-03	.173E-02
20	12312	.248E-03	20146	.477E-03	25477	.894E-04	.814E-03
21	6861	.507E-04	7627	.164E-03	10700	.359E-04	.251E-03
22	7391	.699E-04	3378	.578E-04	2904	.762E-05	.135E-03
23	15992	.381E-03	14175	.328E-03	11468	.386E-04	.748E-03
24	25681	.732E-03	28593	.688E-03	25040	.878E-04	.151E-02
25	23374	.649E-03	29628	.714E-03	29795	.105E-03	.147E-02
26	12875	.268E-03	15922	.371E-03	18291	.633E-04	.703E-03
27	7933	.895E-04	7392	.158E-03	9336	.309E-04	.279E-03
28	6475	.367E-04	4081	.754E-04	5326	.164E-04	.128E-03
29	12495	.255E-03	39668	.965E-03	21835	.762E-04	.130E-02
30	11392	.215E-03	46766	.114E-02	30922	.109E-03	.147E-02
31	11238	.209E-03	68062	.167E-02	70248	.252E-03	.213E-02
32	32448	.977E-03	65169	.160E-02	47106	.168E-03	.275E-02
33	36039	.111E-02	83995	.207E-02	73241	.262E-03	.344E-02
34	28949	.851E-03	82523	.204E-02	82052	.294E-03	.318E-02
35	36336	.112E-02	49074	.120E-02	38560	.137E-03	.245E-02
36	36638	.113E-02	61215	.150E-02	55767	.199E-03	.283E-02
37	27056	.782E-03	52157	.128E-02	56248	.201E-03	.226E-02
38	31993	.961E-03	39335	.956E-03	33992	.120E-03	.204E-02
39	29783	.881E-03	41813	.102E-02	41050	.146E-03	.204E-02
40	19153	.496E-03	28834	.694E-03	33045	.117E-03	.131E-02

RUN # 325

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.31 M/S	13.41 M/S
EXIT VEL.	2.53 M/S	25.57 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.45E+04	
CALIBRATION FACTOR	.42E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.31 M/S	13.41 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03M3/S	.29E+03M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.31E+03	
CALIBRATION FACTOR	.23E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.31 M/S	13.41 M/S
EXIT VEL.	2.18 M/S	22.07 M/S
VOL. FLOW	.30E-03M3/S	.27E+03M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.24E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	25.40 CM	76.20 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	4570	.132E-05
2	6061	.505E-04
3	7789	.108E-03
4	7772	.107E-03
5	6334	.595E-04
6	4949	.138E-04
7	4684	.508E-05
8	4549	.627E-06
9	5910	.456E-04
10	10291	.190E-03
11	10892	.210E-03
12	8380	.127E-03
13	5059	.175E-04
14	4548	.594E-06
15	6715	.721E-04
16	11881	.243E-03
17	15498	.362E-03
18	14603	.332E-03
19	9658	.169E-03
20	6021	.492E-04
21	4885	.117E-04
22	7506	.982E-04
23	11545	.232E-03
24	16186	.385E-03
25	13457	.295E-03
26	7852	.110E-03
27	5845	.434E-04
28	5024	.163E-04
29	4794	.877E-05
30	4849	.105E-04
31	4672	.468E-05
32	9577	.167E-03
33	9716	.177E-03
34	7714	.105E-03
35	13072	.282E-03
36	12918	.277E-03
37	9512	.164E-03
38	15978	.378E-03
39	14657	.334E-03
40	9078	.150E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
815	.139E-04
4695	.120E-03
10672	.285E-03
14840	.399E-03
13934	.376E-03
7876	.208E-03
2856	.700E-04
466	.434E-05
2770	.676E-04
14157	.380E-03
19872	.537E-03
16354	.441E-03
5164	.133E-03
936	.172E-04
2445	.587E-04
9820	.261E-03
18018	.486E-03
20789	.562E-03
13955	.375E-03
6208	.162E-03
1836	.419E-04
2309	.549E-04
6600	.173E-03
15021	.404E-03
15102	.406E-03
8300	.219E-03
4488	.115E-03
2112	.495E-04
3701	.932E-04
5100	.132E-03
6819	.179E-03
15901	.428E-03
19417	.525E-03
16856	.454E-03
17755	.479E-03
21051	.569E-03
15895	.428E-03
17508	.472E-03
19501	.527E-03
12150	.325E-03

RAW (AREA)	CONCENTRATION (GM/M**3)
468	.138E-05
2017	.109E-04
8184	.488E-04
14180	.857E-04
16355	.991E-04
12504	.754E-04
5824	.343E-04
338	.384E-06
14255	.727E-05
11329	.682E-04
22053	.134E-03
20499	.125E-03
7777	.463E-04
1227	.605E-05
1371	.694E-05
8121	.484E-04
16335	.989E-04
22745	.138E-03
18552	.113E-03
9449	.566E-04
3217	.183E-04
1260	.625E-05
5422	.318E-04
14170	.856E-04
18210	.110E-03
12845	.775E-04
7580	.451E-04
4058	.235E-04
1594	.831E-05
3807	.219E-04
7106	.422E-04
12081	.728E-04
20032	.122E-03
20858	.127E-03
25217	.921E-04
23274	.142E-03
20303	.123E-03
16558	.100E-03
21834	.133E-03
16939	.103E-03

TOTAL CONCENTRATION (GM/M**3)
.166E-04
.182E-03
.441E-03
.592E-03
.534E-03
.297E-03
.109E-03
.555E-05
.120E-03
.683E-03
.881E-03
.592E-03
.197E-03
.239E-04
.138E-03
.552E-03
.947E-03
.103E-02
.657E-03
.268E-03
.720E-04
.159E-03
.436E-03
.874E-03
.811E-03
.407E-03
.203E-03
.893E-04
.110E-03
.164E-03
.226E-03
.667E-03
.817E-03
.686E-03
.853E-03
.988E-03
.716E-03
.950E-03
.994E-03
.578E-03

RUN # 326

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	1.31 M/S	13.41 M/S
EXIT VEL.	1.11 M/S	11.22 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.48E+04	
CALIBRATION FACTOR	.42E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	39.12 CM	117.36 M
STACK DIAMETER	1.22 CM	3.66 M

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	1.31 M/S	13.41 M/S
EXIT VEL.	.96 M/S	9.67 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.53E+03	
CALIBRATION FACTOR	.23E-03	
SO2 FLUX	.4000E+03 (GM/SEC)	
STACK HEIGHT	39.12 CM	117.36 M
STACK DIAMETER	1.34 CM	4.02 M

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	1.31 M/S	13.41 M/S
EXIT VEL.	.95 M/S	9.58 M/S
VOL. FLOW	.13E-03 M3/S	.12E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.43E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.5500E+02 (GM/SEC)	
STACK HEIGHT	39.12 CM	117.36 M
STACK DIAMETER	1.32 CM	3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	5384	.196E-04	1386	.208E-04	1032	.214E-05	.426E-04
2	5950	.397E-04	2213	.410E-04	1654	.434E-05	.850E-04
3	6422	.564E-04	2843	.564E-04	2360	.684E-05	.120E-03
4	5732	.319E-04	2084	.379E-04	1687	.446E-05	.743E-04
5	5284	.161E-04	1386	.208E-04	1162	.260E-05	.395E-04
6	4945	.407E-05	1142	.149E-04	992	.200E-05	.209E-04
7	4830	*****	909	.918E-05	760	.118E-05	.104E-04
8	6565	.614E-04	2862	.569E-04	3048	.328E-05	.128E-03
9	7442	.925E-04	3854	.811E-04	3982	.126E-04	.186E-03
10	9346	.160E-03	6866	.155E-03	6721	.223E-04	.337E-03
11	8337	.124E-03	5426	.120E-03	5683	.186E-04	.262E-03
12	6119	.456E-04	2569	.497E-04	3059	.932E-05	.105E-03
13	5123	.104E-04	1320	.192E-04	1089	.234E-05	.319E-04
14	4993	.577E-05	895	.884E-05	715	.102E-05	.156E-04
15	10157	.189E-03	7264	.164E-03	7001	.233E-04	.376E-03
16	13530	.308E-03	11487	.268E-03	10935	.372E-04	.613E-03
17	12712	.279E-03	11010	.256E-03	10679	.363E-04	.571E-03
18	10160	.189E-03	7947	.181E-03	8022	.269E-04	.397E-03
19	8167	.118E-03	5183	.114E-03	5568	.182E-04	.250E-03
20	6158	.470E-04	2543	.491E-04	2822	.848E-05	.105E-03
21	5155	.115E-04	1316	.191E-04	1120	.245E-05	.331E-04
22	8827	.142E-03	5578	.123E-03	5686	.186E-04	.283E-03
23	12680	.278E-03	10572	.245E-03	10188	.346E-04	.558E-03
24	13667	.313E-03	12130	.283E-03	11945	.408E-04	.637E-03
25	10261	.192E-03	7998	.182E-03	8135	.273E-04	.402E-03
26	7332	.886E-04	4094	.870E-04	4438	.142E-04	.190E-03
27	5622	.280E-04	1887	.331E-04	1661	.437E-05	.655E-04
28	5132	.107E-04	1204	.164E-04	1009	.206E-05	.291E-04
29	4945	.407E-05	1138	.148E-04	883	.161E-05	.205E-04
30	4798	*****	870	.823E-05	673	.871E-06	.910E-05
31	4822	*****	1038	.123E-04	927	.177E-05	.141E-04
32	7525	.954E-04	4450	.957E-04	4583	.147E-04	.206E-03
33	6714	.667E-04	3560	.739E-04	3834	.121E-04	.153E-03
34	5850	.361E-04	2451	.469E-04	2198	.627E-05	.892E-04
35	11434	.234E-03	9447	.218E-03	9216	.311E-04	.483E-03
36	9479	.165E-03	7224	.163E-03	7323	.244E-04	.352E-03
37	7245	.855E-04	4024	.853E-04	4511	.145E-04	.185E-03
38	13347	.302E-03	11763	.274E-03	11448	.390E-04	.615E-03
39	10534	.202E-03	8432	.193E-03	8534	.287E-04	.424E-03
40	7876	.108E-03	4750	.103E-03	5171	.168E-04	.228E-03

RUN # 327

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.30E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.52E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	39.12 CM	117.36 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E-03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.40E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	39.12 CM	117.36 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.32 M/S	13.41 M/S
EXIT VEL.	2.18 M/S	22.07 M/S
VOL. FLOW	.30E-03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.87E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	39.12 CM	117.36 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5682	.169E-04
2	5464	.995E-05
3	5461	.985E-05
4	5416	.842E-05
5	5528	.120E-04
6	5380	.727E-05
7	5363	.673E-05
8	5336	.587E-05
9	5656	.161E-04
10	5848	.222E-04
11	5683	.169E-04
12	5440	.918E-05
13	5276	.395E-05
14	5532	.121E-04
15	6032	.281E-04
16	6783	.520E-04
17	6672	.485E-04
18	6150	.318E-04
19	5618	.149E-04
20	5420	.855E-05
21	5197	.144E-05
22	6178	.327E-04
23	6862	.545E-04
24	7320	.691E-04
25	6494	.428E-04
26	5551	.127E-04
27	5298	.466E-05
28	5152	*****
29	5313	.513E-05
30	5200	.153E-05
31	5342	.606E-05
32	5501	.111E-04
33	5481	.105E-04
34	5301	.475E-05
35	6353	.383E-04
36	5788	.203E-04
37	5375	.711E-05
38	6871	.548E-04
39	6334	.377E-04
40	5746	.189E-04

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	505	.284E-05
2	546	.393E-05
3	574	.467E-05
4	604	.546E-05
5	508	.292E-05
6	508	.292E-05
7	471	.194E-05
8	426	.743E-06
9	817	.111E-04
10	1208	.215E-04
11	984	.155E-04
12	553	.411E-05
13	443	.119E-05
14	430	.849E-06
15	1243	.224E-04
16	2328	.512E-04
17	2384	.527E-04
18	1655	.333E-04
19	984	.155E-04
20	589	.507E-05
21	327	*****
22	1540	.303E-04
23	2425	.538E-04
24	3129	.724E-04
25	2045	.427E-04
26	924	.140E-04
27	516	.313E-05
28	360	*****
29	492	.249E-05
30	430	.849E-06
31	583	.491E-05
32	916	.137E-04
33	801	.107E-04
34	580	.483E-05
35	1940	.409E-04
36	1326	.246E-04
37	664	.706E-05
38	2726	.618E-04
39	1891	.396E-04
40	1141	.197E-04

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	946	.452E-06
2	1060	.113E-05
3	1070	.119E-05
4	1146	.164E-05
5	1047	.105E-05
6	1098	.135E-05
7	1071	.119E-05
8	948	.463E-06
9	1143	.162E-05
10	1338	.278E-05
11	1333	.275E-05
12	1149	.166E-05
13	1019	.885E-06
14	996	.749E-06
15	1312	.263E-05
16	1843	.578E-05
17	1914	.620E-05
18	1610	.440E-05
19	1317	.266E-05
20	1017	.873E-06
21	961	.541E-06
22	1575	.419E-05
23	1962	.649E-05
24	2325	.864E-05
25	1894	.608E-05
26	1314	.264E-05
27	1067	.117E-05
28	962	.547E-06
29	1043	.103E-05
30	1223	.210E-05
31	1126	.152E-05
32	1268	.236E-05
33	1268	.236E-05
34	1170	.178E-05
35	1765	.532E-05
36	1480	.362E-05
37	1148	.165E-05
38	2105	.734E-05
39	1739	.516E-05
40	1397	.313E-05

TOTAL CONCENTRATION
(GM/M**3)

.202E-04
.150E-04
.157E-04
.155E-04
.160E-04
.115E-04
.986E-05
.707E-05
.288E-04
.465E-04
.352E-04
.150E-04
.603E-05
.137E-04
.531E-04
.109E-03
.107E-03
.696E-04
.331E-04
.145E-04
.198E-05
.672E-04
.115E-03
.150E-03
.926E-04
.293E-04
.896E-05
.547E-06
.966E-05
.448E-05
.125E-04
.272E-04
.235E-04
.114E-04
.845E-04
.485E-04
.158E-04
.124E-03
.825E-04
.418E-04

RUN # 328

STACK #1

MODEL	PROTOTYPE
STACK HT. VEL.	1.33 M/S 13.41 M/S
EXIT VEL.	1.11 M/S 11.22 M/S
VOL. FLOW	.13E-03M3/S .12E+03M3/S
SOURCE STRENGTH	.40E+05 .10E+01
BACKGROUND	.55E+04
CALIBRATION FACTOR	.41E-03
SO2 FLUX	.4000E+03 (GM/SEC)
STACK HEIGHT	43.18 CM 129.54 M
STACK DIAMETER	1.22 CM 3.66 M

STACK #2

MODEL	PROTOTYPE
STACK HT. VEL.	1.33 M/S 13.41 M/S
EXIT VEL.	.96 M/S 9.67 M/S
VOL. FLOW	.13E-03M3/S .12E+03M3/S
SOURCE STRENGTH	.30E+05 .10E+01
BACKGROUND	.75E+03
CALIBRATION FACTOR	.22E-03
SO2 FLUX	.4000E+03 (GM/SEC)
STACK HEIGHT	43.18 CM 129.54 M
STACK DIAMETER	1.34 CM 4.02 M

STACK #3

MODEL	PROTOTYPE
STACK HT. VEL.	1.33 M/S 13.41 M/S
EXIT VEL.	.95 M/S 9.58 M/S
VOL. FLOW	.13E-03M3/S .12E+03M3/S
SOURCE STRENGTH	.20E+05 .10E+01
BACKGROUND	.79E+03
CALIBRATION FACTOR	.15E-03
SO2 FLUX	.5500E+02 (GM/SEC)
STACK HEIGHT	43.18 CM 129.54 M
STACK DIAMETER	1.32 CM 3.96 M

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	RAW (AREA)	CONCENTRATION (GM/M**3)	TOTAL CONCENTRATION (GM/M**3)
1	5701	.651E-05	1311	.132E-04	1179	.133E-05	.211E-04
2	6200	.237E-04	1806	.250E-04	1569	.267E-05	.514E-04
3	5978	.161E-04	1791	.247E-04	1616	.283E-05	.436E-04
4	5897	.129E-04	1680	.220E-04	1527	.253E-05	.375E-04
5	5619	.369E-05	1278	.125E-04	1238	.153E-05	.177E-04
6	5488	*****	1152	.946E-05	1159	.126E-05	.107E-04
7	5512	*****	1108	.842E-05	1130	.116E-05	.958E-05
8	6161	.224E-04	1947	.284E-04	1674	.303E-05	.538E-04
9	7655	.739E-04	3849	.736E-04	4009	.111E-04	.159E-03
10	7791	.786E-04	4205	.821E-04	4362	.123E-04	.173E-03
11	7086	.543E-04	3277	.600E-04	2741	.671E-05	.121E-03
12	5854	.118E-04	1720	.230E-04	1589	.274E-05	.375E-04
13	5664	.524E-05	1255	.119E-04	1216	.145E-05	.186E-04
14	5539	.931E-06	1142	.923E-05	1104	.107E-05	.112E-04
15	9911	.152E-03	6961	.148E-03	6770	.206E-04	.320E-03
16	11179	.195E-03	8662	.188E-03	8079	.251E-04	.408E-03
17	10235	.163E-03	7685	.165E-03	7400	.228E-04	.350E-03
18	8573	.106E-03	5144	.104E-03	5297	.155E-04	.225E-03
19	7189	.578E-04	3332	.613E-04	2855	.710E-05	.126E-03
20	5979	.161E-04	1727	.231E-04	1566	.266E-05	.419E-04
21	5510	*****	1191	.104E-04	1157	.125E-05	.116E-04
22	9375	.133E-03	5857	.121E-03	5594	.165E-04	.271E-03
23	11835	.218E-03	9413	.206E-03	8923	.280E-04	.452E-03
24	11617	.210E-03	9303	.203E-03	8958	.281E-04	.442E-03
25	9267	.129E-03	5879	.122E-03	6005	.180E-04	.269E-03
26	6737	.422E-04	2720	.168E-04	2395	.552E-05	.945E-04
27	5744	.800E-05	1518	.182E-04	1447	.225E-05	.234E-04
28	5571	.203E-05	1220	.111E-04	1199	.140E-05	.145E-04
29	5489	*****	1124	.880E-05	1104	.107E-05	.987E-05
30	5403	*****	909	.369E-05	923	.445E-06	.413E-05
31	5487	*****	1141	.920E-05	1130	.116E-05	.104E-04
32	6878	.471E-04	2882	.506E-04	2426	.563E-05	.103E-03
33	6479	.333E-04	2449	.403E-04	2140	.464E-05	.793E-04
34	5882	.128E-04	1615	.205E-04	1492	.241E-05	.356E-04
35	9264	.129E-03	6403	.134E-03	6198	.186E-04	.282E-03
36	7952	.841E-04	4332	.851E-04	4443	.126E-04	.182E-03
37	6338	.285E-04	2194	.342E-04	1948	.398E-05	.667E-04
38	10713	.179E-03	8198	.177E-03	7799	.241E-04	.380E-03
39	9092	.123E-03	5816	.120E-03	5931	.177E-04	.261E-03
40	7359	.637E-04	3495	.652E-04	3861	.106E-04	.139E-03

RUN # 329

STACK #1

STACK #2

STACK #3

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

	MODEL	PROTOTYPE
STACK HT. VEL.	1.33 M/S	13.41 M/S
EXIT VEL.	2.53 M/S	25.57 M/S
VOL. FLOW	.30E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.53E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	43.18 CM	129.54 M
STACK DIAMETER	1.22 CM	3.66 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.33 M/S	13.41 M/S
EXIT VEL.	2.23 M/S	22.57 M/S
VOL. FLOW	.31E+03 M3/S	.29E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.64E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	43.18 CM	129.54 M
STACK DIAMETER	1.34 CM	4.02 M

	MODEL	PROTOTYPE
STACK HT. VEL.	1.33 M/S	13.41 M/S
EXIT VEL.	2.18 M/S	22.07 M/S
VOL. FLOW	.30E+03 M3/S	.27E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.85E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	43.18 CM	129.54 M
STACK DIAMETER	1.32 CM	3.96 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	5333	.148E-05
2	5305	.578E-06
3	5360	.235E-05
4	5379	*****
5	5361	*****
6	5327	*****
7	5335	.129E-05
8	5355	.219E-05
9	5426	.447E-05
10	5655	.118E-04
11	5459	.553E-05
12	5399	.360E-05
13	5260	*****
14	5250	*****
15	5896	.196E-04
16	6228	.302E-04
17	6137	.273E-04
18	5925	.205E-04
19	5550	.845E-05
20	5373	.276E-05
21	5301	.450E-06
22	6189	.290E-04
23	6666	.443E-04
24	6823	.494E-04
25	6214	.298E-04
26	5613	.105E-04
27	5385	.315E-05
28	5312	.803E-06
29	5397	*****
30	5375	*****
31	5359	.167E-05
32	5428	.453E-05
33	5359	.231E-05
34	5313	.835E-06
35	5337	.209E-04
36	5730	.142E-04
37	5489	.649E-05
38	6225	.301E-04
39	6027	.238E-04
40	5621	.107E-04

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	674	.102E-05
2	706	.187E-05
3	804	.449E-05
4	770	.358E-05
5	675	.104E-05
6	660	.101E-06
7	644	.214E-06
8	886	.668E-05
9	1119	.129E-04
10	1591	.255E-04
11	1261	.167E-04
12	859	.596E-05
13	666	.802E-06
14	653	.454E-06
15	2058	.380E-04
16	2829	.586E-04
17	2676	.545E-04
18	2225	.425E-04
19	1449	.217E-04
20	891	.682E-05
21	666	.802E-06
22	2120	.397E-04
23	3080	.653E-04
24	3533	.774E-04
25	2537	.508E-04
26	1398	.204E-04
27	875	.639E-05
28	677	.110E-05
29	636	*****
30	647	.294E-06
31	626	*****
32	1096	.123E-04
33	973	.301E-05
34	779	.382E-05
35	2309	.447E-04
36	1885	.334E-04
37	1219	.156E-04
38	2868	.597E-04
39	2402	.472E-04
40	1528	.238E-04

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	865	.120E-06
2	873	.168E-06
3	1082	.142E-05
4	916	.425E-06
5	883	.227E-06
6	883	.227E-06
7	894	.293E-06
8	915	.413E-06
9	1002	.940E-06
10	1148	.181E-05
11	1068	.133E-05
12	958	.676E-06
13	857	.718E-07
14	863	.108E-06
15	1312	.280E-05
16	1606	.456E-05
17	1552	.423E-05
18	1386	.324E-05
19	1149	.182E-05
20	1126	.168E-05
21	888	.257E-06
22	1437	.354E-05
23	2388	.924E-05
24	2903	.123E-04
25	1684	.502E-05
26	1174	.197E-05
27	954	.652E-06
28	878	.198E-06
29	845	*****
30	852	.419E-07
31	847	.120E-07
32	1032	.112E-05
33	979	.802E-06
34	911	.395E-06
35	1401	.333E-05
36	1303	.274E-05
37	1064	.131E-05
38	1651	.482E-05
39	1507	.396E-05
40	1196	.210E-05

SAMPLE PT.	TOTAL CONCENTRATION (GM/M**3)
1	.261E-05
2	.262E-05
3	.825E-05
4	.401E-05
5	.127E-05
6	.869E-06
7	.179E-05
8	.929E-05
9	.143E-04
10	.391E-04
11	.236E-04
12	.102E-04
13	.874E-06
14	.562E-06
15	.604E-04
16	.934E-04
17	.861E-04
18	.662E-04
19	.320E-04
20	.113E-04
21	.151E-05
22	.722E-04
23	.119E-03
24	.139E-03
25	.856E-04
26	.328E-04
27	.102E-04
28	.210E-05
29	*****
30	.336E-06
31	.168E-05
32	.179E-04
33	.121E-04
34	.505E-05
35	.689E-04
36	.504E-04
37	.234E-04
38	.946E-04
39	.749E-04
40	.367E-04

RUN # 330

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.74 M/S	8.94 M/S
EXIT VEL.	2.50 M/S	29.77 M/S
VOL. FLOW	.29E-03 M3/S	.31E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.61E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
1	6451	.100E-04
2	6332	.682E-05
3	6303	.603E-05
4	6247	.452E-05
5	6204	.335E-05
6	6157	.208E-05
7	6182	.276E-05
8	6080	*****
9	6152	.195E-05
10	6148	.184E-05
11	6190	.298E-05
12	6056	*****
13	6120	.108E-05
14	6080	*****
15	6040	*****
16	6197	.316E-05
17	6234	.417E-05
18	6202	.330E-05
19	6130	.135E-05
20	6108	.757E-06
21	6084	.108E-06
22	6136	.151E-05
23	6443	.982E-05
24	6735	.177E-05
25	6379	.809E-05
26	6129	.133E-05
27	6055	*****
28	6052	*****
29	5964	*****
30	6036	*****
31	5993	*****
32	6045	*****
33	6022	*****
34	6033	*****
35	6100	.541E-06
36	6072	*****
37	6058	*****
38	6317	.641E-05
39	6186	.287E-05
40	6060	*****

STACK #2

	MODEL	PROTOTYPE
STACK HT. VEL.	.74 M/S	8.94 M/S
EXIT VEL.	2.16 M/S	25.75 M/S
VOL. FLOW	.31E-03 M3/S	.33E+03 M3/S
SOURCE STRENGTH	.30E+05	.10E+01
BACKGROUND	.30E+03	
CALIBRATION FACTOR	.22E-03	
SO2 FLUX	.1050E+04 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
468	.395E-05
367	.163E-05
399	.236E-05
419	.282E-05
401	.241E-05
382	.197E-05
334	.872E-06
296	*****
320	.551E-06
442	.335E-05
510	.491E-05
446	.344E-05
348	.119E-05
301	.115E-06
293	*****
354	.133E-05
572	.634E-05
636	.781E-05
502	.473E-05
401	.241E-05
311	.344E-06
343	.108E-05
370	.170E-05
555	.595E-05
620	.744E-05
680	.882E-05
501	.471E-05
398	.234E-05
337	.941E-06
360	.147E-05
360	.147E-05
422	.289E-05
443	.338E-05
452	.358E-05
546	.574E-05
576	.643E-05
471	.402E-05
630	.767E-05
640	.790E-05
480	.422E-05

STACK #3

	MODEL	PROTOTYPE
STACK HT. VEL.	.74 M/S	8.94 M/S
EXIT VEL.	2.05 M/S	24.37 M/S
VOL. FLOW	.28E-03 M3/S	.30E+03 M3/S
SOURCE STRENGTH	.20E+05	.10E+01
BACKGROUND	.44E+03	
CALIBRATION FACTOR	.15E-03	
SO2 FLUX	.2200E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
450	.638E-07
464	.138E-06
486	.255E-06
513	.399E-06
539	.537E-06
529	.484E-06
459	.112E-06
438	*****
461	.122E-06
631	.103E-05
627	.100E-05
618	.957E-06
540	.542E-06
586	.787E-06
445	.372E-07
513	.399E-06
785	.184E-05
1046	.323E-05
1151	.379E-05
716	.148E-05
584	.776E-06
451	.691E-07
489	.271E-06
774	.179E-05
1866	.759E-05
2448	.107E-04
1923	.789E-05
1082	.342E-05
557	.632E-06
492	.287E-06
502	.340E-06
535	.516E-06
592	.818E-06
607	.898E-06
619	.962E-06
749	.165E-05
853	.221E-05
930	.261E-05
1224	.418E-05
1252	.433E-05

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.140E-04
.858E-05
.865E-05
.774E-05
.630E-05
.454E-05
.374E-05

.262E-05
.622E-05
.889E-05
.440E-05
.282E-05
.301E-06
.372E-07
.489E-06
.123E-04
.143E-04
.387E-04
.655E-04
.123E-04
.266E-04
.118E-04
.254E-04
.231E-04
.208E-04
.126E-04
.576E-04
.157E-04
.176E-04
.181E-04
.341E-04
.419E-04
.448E-04
.724E-04
.808E-04
.622E-04
.167E-04
.149E-04
.855E-05

RUN # 330R

STACK #1

	MODEL	PROTOTYPE
STACK HT. VEL.	.72 M/S	8.94 M/S
EXIT VEL.	2.50 M/S	29.77 M/S
VOL. FLOW	.29E+03 M3/S	.31E+03 M3/S
SOURCE STRENGTH	.40E+05	.10E+01
BACKGROUND	.57E+04	
CALIBRATION FACTOR	.41E-03	
SO2 FLUX	.8500E+03 (GM/SEC)	
STACK HEIGHT	30.48 CM	91.44 M
STACK DIAMETER	1.22 CM	3.66 M

SAMPLE PT.	RAW (AREA)	CONCENTRATION (GM/M**3)
3	5770	.308E-05
4	5668	.395E-06
5	5679	.684E-06
10	5654	.263E-07
11	5757	.274E-05
17	6003	.921E-05
18	5791	.363E-05
19	5690	.974E-06
23	6158	.133E-04
24	6199	.144E-04
25	5910	.676E-05
26	5751	.258E-05
27	5662	.237E-06
30	5698	.118E-05
33	5615	*****
36	5789	.358E-05
38	5972	.839E-05
39	5801	.389E-05
40	5653	*****

STACK #2

	MODEL	PROTOTYPE
	.72 M/S	8.94 M/S
	2.16 M/S	25.75 M/S
	.31E-03 M3/S	.33E+03 M3/S
	.30E+05	.10E+01
	.68E+03	
	.22E-03	
	.1050E+04 (GM/SEC)	
	30.48 CM	91.44 M
	1.34 CM	4.02 M

RAW (AREA)	CONCENTRATION (GM/M**3)
732	.125E-05
738	.139E-05
795	.266E-05
802	.281E-05
829	.342E-05
927	.561E-05
1016	.760E-05
1035	.802E-05
1074	.264E-05
1047	.829E-05
1309	.141E-04
1306	.141E-04
959	.632E-05
724	.107E-05
807	.293E-05
1001	.726E-05
972	.661E-05
1164	.109E-04
974	.666E-05

STACK #3

	MODEL	PROTOTYPE
	.72 M/S	8.94 M/S
	2.05 M/S	24.37 M/S
	.28E-03 M3/S	.30E+03 M3/S
	.20E+05	.10E+01
	.85E+03	
	.15E-03	
	.2200E+03 (GM/SEC)	
	30.48 CM	91.44 M
	1.32 CM	3.96 M

RAW (AREA)	CONCENTRATION (GM/M**3)
833	*****
859	.724E-07
1305	.238E-05
923	.403E-06
979	.693E-06
1202	.185E-05
1771	.479E-05
1920	.556E-05
930	.440E-06
1788	.488E-05
4113	.169E-04
4245	.176E-04
2382	.795E-05
831	*****
1110	.137E-05
1228	.198E-05
1468	.322E-05
2501	.856E-05
1908	.550E-05

PREDICTED TOTAL PROTOTYPE
SO2 CONCENTRATIONS:

TOTAL CONCENTRATION (GM/M**3)
.433E-05
.185E-05
.572E-05
.324E-05
.685E-05
.167E-04
.160E-04
.146E-04
.164E-04
.275E-04
.378E-04
.342E-04
.145E-04
.226E-05
.430E-05
.128E-04
.182E-04
.234E-04
.122E-04