KERNFORSCHUNGSZENTRUM

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Abteilung Strahlenschutz und Sicherheit
Projekt Nukleare Sicherheit

Experimental Determination of the Atmospheric Dispersion Parameters over Rough Terrain

Part 1

Measurements at the Karlsruhe Nuclear Research Center

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Abstract

Experiments are carried out at the Karlsruhe Nuclear Research Center to investigate the atmospheric diffusion of pollutants. The influence on atmospheric diffusion by topographic conditions specific to the site is to be determined.

For this purpose, tritiated water vapor and halogenated hydrocarbons are emitted at 100 m altitude above ground and their concentration distributions are measured at ground level in the vicinity of the source.

This part of the report describes the diffusion experiments performed and presents the measured data in a detailed manner. These data include the coordinates of the sampling locations, the measured concentrations and the most important meteorological data recorded during the experiments. The diffusion categories prevailing during the experiments are derived from these data and are also indicated.

The evaluation of the diffusion experiments and the results are contained in Part 2 (KFK 2286) of the report.

Zusammenfassung

Experimentelle Bestimmung der atmosphärischen Ausbreitungsparameter über rauhem Gelände

Teil 1

Messungen am Kernforschungszentrum Karlsruhe

Zur Erforschung der atmosphärischen Ausbreitung von Schadstoffen werden am Kernforschungszentrum Karlsruhe Experimente durchgeführt. Dabei soll insbesondere der Einfluß standortspezifischer Gegebenheiten untersucht werden.

Bei den Feldversuchen werden tritiierter Wasserdampf und halogenierte Kohlenwasserstoffe in 100 m Höhe emittiert und ihre Konzentrationsverteilungen am Boden gemessen.

In dem vorliegenden Berichtsteil werden die Feldversuche kurz beschrieben und die Meßergebnisse ausführlich dargestellt. Die umfangreiche Datensammlung enthält die Koordinaten der Sammelstationen, die dort gemessenen Konzentrationen und die wichtigsten, während der Versuche aufgezeichneten meteorologischen Daten. Die während der Versuche herrschenden Ausbreitungskategorien sind aus letzteren abgeleitet und ebenfalls angegeben.

Die Auswertung der Ausbreitungsexperimente und deren Ergebnisse sind im zweiten Teil des Berichtes (KFK 2286) enthalten.

Table of Contents

1. Introduction

For a reliable estimate of the environmental pollution caused by airborne pollutants the diffusion mechanism of these substances in the atmosphere must be known. Topographic conditions specific to a site are of major influence on diffusion in the atmosphere. For this reason, an experimental program has been carried out at the Karlsruhe Nuclear Research Center for many years to determine dispersion parameters for various meteorological conditions. By comparison with the familiar parameter curves according to Pasquill/Gifford /1/, /2/, the influences specific to the site can be demonstrated.

During the experiments tritiated water vapor (HTO) and halogenated hydrocarbons (CCl_4, $CFCl_3$, CBr_2F_2) were used as tracers. Table 1 is a list of all the experiments performed up to 1974 showing the most important experimental data. In Experiment 13 and earlier experiments only HTO was used as the tracer. Afterwards, HTO and a halogenated hydrocarbon were simultaneously released at the same altitude in a number of experiments.

The measured results are summarized in tables and diagrams in Part 1 of this report. In Part 2 of the report /3/ the horizontal and vertical dispersion parameters as determined from the measured data are compiled together with the normalized diffusion factor. In /3/ also the technique of evaluation is described.

The experimental program is not yet finished. However, a sufficient number of data worth reporting have already been compiled. Parts of the results have so far been published in /4/, /5/, /6/, /7/, /8/, /9/.

2. Sampling and Measuring Techniques

Figs. 1 and 2 show a map and a photograph of the Karlsruhe Nuclear Research Center and its environment. The test field consists of open spaces and built-up and wooded areas.

The tracers were released through the 100 m high stack of the reactor FR 2, except experiments 1 to 7. A constant intensity of emission was attained 20 to 30 minutes before the beginning of the first sampling period and was maintained to the end of the last sampling period. Sampling downwind of the source was carried out in 5 circular sector zones each comprising up to 11 sampling locations. Fig. 3 shows an example of the arrangement of the sampling locations during Experiment 15. However, until Experiment 7 inclusive only a small number of irregularly spaced locations were used. For these experiments the tracer was released through the 100 m high stack of the reactor MZFR.

The radii of the zones were fixed in accordance with the forecast of the atmospheric turbulence condition, the azimuthal position of the test field corresponding to the forecast of the mean wind direction for the duration of the experiment. The distribution of the sampling locations is left unchanged during the experiment. Up to six consecutive sampling periods, each of 20 or 30 minutes duration, are carried out per experiment.

2.1 Tritiated Water Vapor

Sampling was carried out by congelation of the airborne water vapor on an aluminum plate located on slabs of dry ice. A layer of snow is formed on the plate. The snow is scraped off and filled in a test flask.

A liquid scintillation spectrometer was used to determine the specific tritium-activity of the air humidity, whose limit of detection was about 1 pCi/g, which is a factor of 10^3 below the measured concentration maxima. The tritium-activity concentration of the air equals the product of the specific activity of the sampled air humidity and the absolute water vapor content of the ambient air.

The sampling method and measuring techniques are described in more detail in /4/.

2.2 Halogenated Hydrocarbons

During the sampling process a defined quantity of air is sucked into an evacuated glass vessel through a calibrated capillary. In the laboratory, the residual vacuum in the glass vessel is expanded with high purity nitrogen. The tracer is dissolved in toluene. During gas chromatographic analysis of the toluene the halogenated hydrocarbon is separated from other substances and its quantity is measured by an electron capture detector /10/.

2.3 Automation of Sampling and Measuring Techniques

The sampling technique applied so far is expensive in terms of manpower. The snow forming on the cooled aluminum plates had to be scraped off manually. Also the evacuated glass vessels had to be opened and shut manually. In the case of HTO, one person had to take care of one sampling location, in the case of halogenated hydrocarbons,one person was able to operate one to three stations, depending on the distance between the stations.

From 1976 onwards, up to four glass vessels will be operated by one automatic control unit per sampling location. After the lapse of an optionally preset period of time, each of the glass vessels is opened for a period of 30 minutes consecutively. So a total of four test periods can be carried out.

For the planned simultaneous emission of different tracers at different altitudes it is possible to determine the concentration values of all tracers by gas chromatography in one step.

3. Presentation of Results

3.1 Coordinates of Sampling Locations and Concentration Data

Tables 2 to 97 show the polar coordinates of the sampling locations i for each sampling period, the concentrations C_i measured at these locations, and the respective normalized diffusion factors χ_i. The normalized diffusion factor

$$\chi_i = \frac{C_i \cdot u}{\dot{A}}$$

is independent of the emission rate $\dot{A}$ and the mean wind velocity u. The tables in addition show the date and the time at which the sampling was carried out, the type of tracer and the emission rate $\dot{A}$. In calculating the normalized diffusion factor, the wind velocity u is that measured at a height of 60 m and averaged over the sampling period.

The polar coordinates R and ALPHA are indicated in meters and degrees of arc. The angle ALPHA is measured against the north direction and counted clockwise. Bars instead of the concentration data refer to samples not evaluated. If the measured value is below the threshold of detection, this threshold is mentioned.

For Experiment 13 and subsequent experiments, the errors in concentration measurements and in the normalized diffusion factors are also indicated. In calculating the errors of the normalized diffusion factor the errors in the emission intensity and the wind velocity will be incorporated. The relative error of the emission intensity $\Delta\dot{A}/\dot{A}$ is 8 % (tritiated water vapor) and 3 % (halogenated hydrocarbons), while the absolute error of the mean wind velocity Δu is 0.2 m/s.

The errors in the coordinates of the sampling locations, which range from 10 to 30 m, are not indicated explicitly. The lower value applies to zones with small radii and to sampling stations located within the Nuclear Research Center or at significant points (e.g., intersections and junctions of ways and roads).

The evaluation of the data, described in the second part of this paper /3/, showed that the influence on the measured concentrations caused by changes of the wind direction and variations between open spaces and built-up and wooded areas within the test field is great compared with the errors in measurement. For this reason, the errors in measurement were not taken into account in the evaluation technique.

3.2 Meteorological Data

Tables 98 to 119 show the relevant meteorological data measured during the experiments. These and other data are collected continuously at the 200 m high tower of the Nuclear Research Center. They are stored as ten minute averages on magnetic tape and disk by an automatic data acquisition system /11/, /12/.

In addition, for Experiment 19 and subsequent experiments the instantaneous measured data are scanned every 4 seconds from the cup anemometers[1], the wind vanes[2] and the vector vanes[3] and punched on paper tape during the experiment. For reasons of space, these instantaneous data will not be published in this paper. They are available for special evaluation techniques, such as non-steady state models.

Since the emission height was 100 m for all experiments, the direction and the velocity of the wind are indicated only up to 100 m altitude.

The standard deviation of the horizontal and vertical fluctuations of the wind directions are generated electronically with a sampling time of 180 s from measured data originating from two vector vanes at 40 m and 100 m altitude. The temperature gradient results from the difference in air temperatures[4] measured at 30 m and 100 m altitude. A double pyrradiometer[5] is used to measure the net radiation 1.5 m above ground. A least squares method is used to determine the wind profile exponent from the wind velocity data of ten anemometers installed at altitudes between 20 and 200 m.

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[1] Cup anemometer, type 114H, Rosenhagen

[2] Wind vane, type 1466H, Lambrecht

[3] Vector vane, model 1053 III-2, Meteorology Research, Inc.

[4] Ventilated double PT 100 measuring sensor, Friedrichs

[5] PD-type, Physikalisch-Meteorologisches Observatorium of Davos, Switzerland

The stratification of the atmosphere is usually described by diffusion categories determined by different methods using different meteorological parameters. In most cases the breakdown into six diffusion categories is based on the classification system by Pasquill /1/.

The last four lines of Tables 98 to 119 show the diffusion category which has been determined by four different methods. The first three methods are described in /13/. The first method is based on the standard deviation of the fluctuation of the vertical wind direction at 100 m altitude. The second method refers to the difference in temperatures at 30 m and 100 m and the wind velocity at 40 m altitude. Classification by the third method requires only the exponent of the vertical wind profile. The fourth method is based on meteorological observations and closely follows the classification recommended by Manier /14/. The information concerning the degree of cloudiness, the type of clouds and the wind velocity were taken from the daily weather report of the Karslruhe Weather Station. This Station carries out its observations only in a three hour cycle, whereas experimental periods often are between the observation dates. So the diffusion categories had to be defined by interpolation when weather conditions changed with time. The diffusion categories listed in Tables 98 to 119 are averaged over a sampling period.

The diffusion categories indicated in Table 1 are based on the wind profile for Experiment 1 to 8. For Experiment 9 and subsequent experiments the standard deviation of the fluctuation of the vertical wind direction determines the diffusion category. This had been preceded by extensive studies and comparisons with other methods /13/. If the vector vane failed, the other methods in the order shown in Tables 98 to 119 have been used. In Table 1 only basic diffusion categories are fixed and no longer mixed categories as still used in /6/ and /8/.

In Tables 98 to 119, data of instruments which failed or were not installed during the experiment are marked****.

4. Final Remarks

Table 1 shows that 25 experiments were performed with an emission height of 100 m. In eight experiments two tracers had been discharged simultaneously and the local distributions of their concentration had been determined. Three experiments are not mentioned in Table 1; either the number of sampling locations was too small or almost all concentration values were below the detection limit because of changes of the wind direction. Eighteen experiments are compatible with the evaluation technique described in /3/. From these experiments the dispersion parameters have been evaluated.

Most of the experiments were carried out with the diffusion category D, two experiments each with the categories A, B and C, and only one experiment at night with category E.

In the meantime eight other experiments with the tracer released at a height of 60 m are performed. They will be published later, together with further experiments, in which the tracers are released at heights up to 200 m. Additional experiments will be performed at night when diffusion categories D, E and F are prevailing. But experiments at night are feasible only with an automatic sampling technique which was not available before 1976.

Acknowledgements

We would like to thank Mrs. D. Nagel and Messrs. Hiller and Schüler for their helpful work in performing the computer calculations and sample evaluations.

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Table 1: Compilation of Diffusion Tests Performed up to 1974 at the Karlsruhe Nuclear Research Center
(for determination of diffusion category, cf. Section 3.2)

No.	number of periods	number of stations	category	duration of sampling periods in minutes	sector width of test field	distance from source in meters		Tracer
						min	max	
1	1	16	D	60	90^0-120^0	800	5000	HTO
3	3	8	C	30	60^0- 80^0	930	3540	HTO
5	2	5	B	20	50^0- 70^0	930	2860	HTO
6	6	8	C	20	210^0-230^0	1500	4500	HTO
7	5	11	D	20	220^0-230^0	980	2910	HTO
8	6	25	B	20	331^0- 12^0	600	2580	HTO
9	6	25	A	20	253^0-351^0	270	1480	HTO
10	5	25	C	20	354^0- 41^0	600	2900	HTO
11	5	25	C	20	215^0-225^0	270	2100	HTO
13	3	25	D	30	98^0-113^0	775	4030	HTO
14	3	25	C	30	72^0- 85^0	570	2205	HTO
14	2	25	C	30	72^0- 85^0	570	2205	CCl_4
15	3	25	D	30	218^0-241^0	470	2090	HTO
15	3	25	D	30	218^0-241^0	470	2090	CCl_4
16	2	25	D	30	243^0-259^0	630	4020	HTO
17	3	25	D	30	8^0- 20^0	96	932	HTO
18	3	25	B	30	10^0- 98^0	365	2030	HTO
18	3	25	B	30	10^0- 98^0	365	2030	CCl_4
19	3	25	A	30	320^0-115^0	125	1520	HTO
19	3	25	A	30	320^0-115^0	125	1520	CCl_4
20	3	25	B	30	225^0-269^0	280	1670	CCl_4
21	3	25	C	30	265^0-298^0	440	1490	$CFCl_3$
22	3	25	B	30	203^0-235^0	275	1560	HTO
22	3	25	B	30	203^0-235^0	275	1560	$CFCl_3$
23	3	25	E	30	229^0-258^0	575	4000	HTO
23	3	25	E	30	229^0-258^0	575	4000	$CFCl_3$
24	2	28	D	30	263^0-274^0	290	1780	HTO
24	2	51	D	30	263^0-274^0	290	1780	CBr_2F_2
25	2	28	D	30	246^0-283^0	420	2070	HTO
25	2	50	D	30	246^0-283^0	420	2070	CBr_2F_2

TAB. 2 : RESULTS OF EXPERIMENT NO. 1

PERIOD 1 23- 1-69 FROM 14.40 TO 15.40

TRACER: TRITIUM EMISSION RATE: 4.00 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	1000.	40.	242.	1.26
	B	810.	44.	112.	0.58
	C	1000.	55.	808.	4.22
	D	1000.	63.	≤112.	≤ 0.58
	E	1000.	70.	≤112.	≤ 0.58
	F	2300.	40.	895.	4.67
	G	2300.	49.	2680.	13.99
	H	2340.	57.	268.	1.40
	I	2300.	63.	≤112.	≤ 0.58
	K	2300.	70.	≤112.	≤ 0.58
	L	3560.	40.	≤112.	≤ 0.58
	M	3550.	49.	2830.	14.77
	N	3540.	55.	≤112.	≤ 0.58
	O	3500.	63.	≤112.	≤ 0.58
	P	3420.	71.	≤112.	≤ 0.58
	Q	5000.	55.	≤112.	≤ 0.58

TAB. 3 : RESULTS OF EXPERIMENT NO. 3

PERIOD 1 16-10-69 FROM 10.26 TO 11.00

TRACER: TRITIUM EMISSION RATE: 4.79 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	930.	239.	378.	1.17
	B	1520.	264.	4005.	12.35
	C	1920.	239.	108.	0.33
	D	2420.	251.	423.	1.30
	E	2860.	238.	≤ 54.	≤ 0.17
	F	3470.	263.	198.	0.61
	G	3560.	242.	≤ 54.	≤ 0.17
	H	3540.	257.	810.	2.50

TAB. 4 : RESULTS OF EXPERIMENT NO. 3

PERIOD 2 16-10-69 FROM 11.00 TO 11.30

TRACER: TRITIUM EMISSION RATE: 4.79 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	930.	239.	639.	2.02
	B	1520.	264.	2709.	8.55
	C	1920.	239.	54.	≤ 0.17
	D	2420.	251.	612.	1.93
	E	2860.	238.	54.	≤ 0.17
	F	3470.	263.	531.	1.68
	G	3560.	242.	≤ 54.	≤ 0.17
	H	3540.	257.	207.	0.65

TAB. 5 : RESULTS OF EXPERIMENT NO. 3

PERIOD 3 16-10-69 FROM 11.30 TO 12.00

TRACER: TRITIUM EMISSION RATE: 4.79 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	930.	239.	1350.	3.93
	B	1520.	264.	432.	1.26
	C	1920.	239.	1116.	3.25
	D	2420.	251.	306.	0.89
	E	2860.	238.	612.	1.78
	F	3470.	263.	117.	0.34
	G	3560.	242.	225.	0.65
	H	3540.	257.	208.	0.61

TAB. 6 : RESULTS OF EXPERIMENT NO. 5

PERIOD 1 17-10-69 FROM 11.00 TO 11.20

TRACER: TRITIUM EMISSION RATE: 4.79 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	930.	239.	2872.	9.83
	B	670.	257.	≤ 48.	≤ 0.16
	C	1450.	239.	728.	2.49
	D	2420.	251.	≤ 48.	≤ 0.16
	E	2860.	238.	200.	0.68

TAB. 7 : RESULTS OF EXPERIMENT NO. 5

PERIOD 2 17-10-69 FROM 11.20 TO 11.40

TRACER: TRITIUM EMISSION RATE: 4.79 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	930.	239.	2480.	8.58
	B	670.	257.	≤ 48.	≤ 0.17
	C	1450.	239.	2096.	7.25
	D	2420.	251.	≤ 48.	≤ 0.17
	E	2860.	238.	288.	1.00

TAB. 8 : RESULTS OF EXPERIMENT NO. 6

PERIOD 1 29-10-69 FROM 11.00 TO 11.20

TRACER: TRITIUM EMISSION RATE: 4.79 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	1500.	45.	7432.	27.38
	B	2100.	66.	104.	0.38
	C	2350.	49.	2936.	10.82
	D	2750.	32.	40.	0.15
	E	3450.	47.	904.	3.33
	F	4000.	27.	40.	0.15
	G	4500.	48.	440.	1.62
	H	3480.	71.	72.	0.27

TAB. 9 : RESULTS OF EXPERIMENT NO. 6

PERIOD 2 29-10-69 FROM 11.25 TO 11.45

TRACER: TRITIUM EMISSION RATE: 4.79 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	1500.	45.	2504.	12.05
	B	2100.	66.	56.	0.27
	C	2350.	49.	712.	3.43
	D	2750.	32.	48.	0.23
	E	3450.	47.	1752.	8.43
	F	4000.	27.	48.	0.23
	G	4500.	48.	1336.	6.43
	H	3480.	71.	56.	0.27

TAB. 10 : RESULTS OF EXPERIMENT NO. 6

PERIOD 3 29-10-69 FROM 11.45 TO 12.05

TRACER: TRITIUM EMISSION RATE: 4.79 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	1500.	45.	2960.	11.91
	B	2100.	66.	$\leq$ 32.	$\leq$ 0.13
	C	2350.	49.	808.	3.25
	D	2750.	32.	72.	0.29
	E	3450.	47.	1120.	4.51
	F	4000.	27.	64.	0.26
	G	4500.	48.	1160.	4.67
	H	3480.	71.	$\leq$ 32.	$\leq$ 0.13

TAB. 11 : RESULTS OF EXPERIMENT NO. 6

PERIOD 4 29-10-69 FROM 12.05 TO 12.25

TRACER: TRITIUM EMISSION RATE: 4.79 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	1500.	45.	4424.	20.12
	B	2100.	66.	80.	0.36
	C	2350.	49.	240.	1.09
	D	2750.	32.	88.	0.40
	E	3450.	47.	840.	3.82
	F	4000.	27.	32.	0.15
	G	4500.	48.	1088.	4.95
	H	3480.	71.	40.	0.18

TAB. 12 : RESULTS OF EXPERIMENT NO. 6

PERIOD 5 29-10-69 FROM 12.25 TO 12.40

TRACER: TRITIUM EMISSION RATE: 4.79 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	1500.	45.	6168.	28.52
	B	2100.	66.	104.	0.48
	C	2350.	49.	440.	2.03
	D	2750.	32.	232.	1.07
	E	3450.	47.	1400.	6.47
	F	4000.	27.	48.	0.22
	G	4500.	48.	896.	4.14
	H	3480.	71.	40.	0.18

TAB. 13 : RESULTS OF EXPERIMENT NO. 6

PERIOD 6 29-10-69 FROM 12.40 TO 12.55

TRACER: TRITIUM EMISSION RATE: 4.79 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	1500.	45.	4048.	12.78
	B	2100.	66.	40.	0.13
	C	2350.	49.	1032.	3.26
	D	2750.	32.	128.	0.40
	E	3450.	47.	1744.	5.51
	F	4000.	27.	56.	0.18
	G	4500.	48.	1216.	3.84
	H	3480.	71.	40.	0.13

TAB. 14: RESULTS OF EXPERIMENT NO. 7

PERIOD 1 31-10-69 FROM 14.00 TO 14.20

TRACER: TRITIUM EMISSION RATE: 4.79 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	980.	47.	217.	0.99
	B	1290.	38.	1855.	8.44
	C	1540.	45.	2247.	10.22
	D	1720.	55.	-	-
	E	1920.	61.	609.	2.77
	F	1780.	42.	1715.	7.80
	G	2150.	52.	2618.	11.91
	H	2190.	37.	350.	1.59
	I	2350.	49.	2219.	10.09
	K	2760.	47.	1323.	6.02
	L	2910.	52.	1015.	4.62

TAB. 15: RESULTS OF EXPERIMENT NO. 7

PERIOD 2 31-10-69 FROM 14.20 TO 14.40

TRACER: TRITIUM EMISSION RATE: 4.79 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	980.	47.	1141.	4.93
	B	1290.	38.	322.	1.39
	C	1540.	45.	784.	3.39
	D	1720.	55.	3598.	15.56
	E	1920.	61.	840.	3.63
	F	1780.	42.	301.	1.30
	G	2150.	52.	3017.	13.04
	H	2190.	37.	245.	1.06
	I	2350.	49.	742.	3.21
	K	2760.	47.	763.	3.30
	L	2910.	52.	1344.	5.81

TAB. 16: RESULTS OF EXPERIMENT NO. 7

PERIOD 3 31-10-69 FROM 14.40 TO 15.00

TRACER: TRITIUM EMISSION RATE: 4.79 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	980.	47.	910.	4.11
	B	1290.	38.	658.	2.97
	C	1540.	45.	490.	2.21
	D	1720.	55.	2660.	12.00
	E	1920.	61.	707.	3.19
	F	1780.	42.	259.	1.17
	G	2150.	52.	1785.	8.05
	H	2190.	37.	$\leq$ 42.	$\leq$ 0.19
	I	2350.	49.	1022.	4.61
	K	2760.	47.	399.	1.80
	L	2910.	52.	651.	2.94

TAB. 17 : RESULTS OF EXPERIMENT NO. 7

PERIOD 4 31-10-69 FROM 15.00 TO 15.20

TRACER: TRITIUM EMISSION RATE: 4.79 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	980.	47.	469.	2.27
	B	1290.	38.	364.	1.77
	C	1540.	45.	413.	2.00
	D	1720.	55.	2212.	10.73
	E	1920.	61.	469.	2.27
	F	1780.	42.	168.	0.81
	G	2150.	52.	2149.	10.42
	H	2190.	37.	56.	0.27
	I	2350.	49.	1141.	5.53
	K	2760.	47.	287.	1.39
	L	2910.	52.	1064.	5.16

TAB. 18 : RESULTS OF EXPERIMENT NO. 7

PERIOD 5 31-10-69 FROM 15.20 TO 15.40

TRACER: TRITIUM EMISSION RATE: 4.79 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	980.	47.	462.	2.01
	B	1290.	38.	175.	0.76
	C	1540.	45.	1785.	7.78
	D	1720.	55.	1211.	5.28
	E	1920.	61.	511.	2.23
	F	1780.	42.	413.	1.80
	G	2150.	52.	1967.	8.58
	H	2190.	37.	77.	0.34
	I	2350.	49.	1911.	8.33
	K	2760.	47.	455.	1.98
	L	2910.	52.	1239.	5.40

TAB. 19: RESULTS OF EXPERIMENT NO. 8

PERIOD 1 23- 3-71 FROM 10.00 TO 10.20

TRACER: TRITIUM EMISSION RATE: 4.75 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	620.	175.	1646.	4.36
	B	600.	186.	1607.	4.26
	C	600.	198.	1617.	4.29
	D	620.	207.	2215.	5.87
	E	630.	214.	298.	0.79
	F	650.	165.	-	-
	G	620.	156.	-	-
II	A	980.	176.	528.	1.40
	B	1000.	185.	133.	0.35
	C	1010.	193.	287.	0.76
	D	1010.	202.	585.	1.55
	E	990.	213.	26.	0.07
	F	1000.	171.	-	-
	G	1040.	156.	-	-
III	A	1260.	175.	440.	1.17
	B	1250.	185.	83.	0.22
	C	1250.	194.	29.	0.08
	D	1240.	204.	21.	0.06
	E	1250.	211.	27.	0.07
	F	1340.	162.	-	-
	G	1410.	154.	-	-
IV	A	2000.	181.	273.	0.72
	B	2030.	190.	96.	0.25
	C	2090.	198.	71.	0.19
	D	2050.	204.	43.	0.12
	E	2060.	210.	27.	0.07
	F	2010.	170.	-	-
	G	2020.	166.	-	-
V	A	2320.	178.	277.	0.73
	B	2480.	185.	45.	0.12
	C	2490.	192.	95.	0.25
	D	2350.	200.	70.	0.18
	E	2460.	211.	31.	0.08
	F	2330.	167.	-	-
	G	2580.	163.	-	-

TAB. 20: RESULTS OF EXPERIMENT NO. 8

PERIOD 2 23- 3-71 FROM 10.20 TO 10.40

TRACER: TRITIUM EMISSION RATE: 4.75 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	620.	175.	5037.	13.35
	B	600.	186.	1836.	4.87
	C	600.	198.	280.	0.74
	D	620.	207.	259.	0.69
	E	630.	214.	43.	0.11
	F	650.	165.	-	-
	G	620.	156.	-	-
II	A	980.	176.	1240.	3.29
	B	1000.	185.	278.	0.74
	C	1010.	193.	70.	0.19
	D	1010.	202.	152.	0.40
	E	990.	213.	25.	0.07
	F	1000.	171.	-	-
	G	1040.	156.	-	-
III	A	1260.	175.	1370.	3.63
	B	1250.	185.	37.	0.10
	C	1250.	194.	15.	0.04
	D	1240.	204.	21.	0.06
	E	1250.	211.	21.	0.06
	F	1340.	162.	-	-
	G	1410.	154.	-	-
IV	A	2000.	181.	114.	0.30
	B	2030.	190.	73.	0.19
	C	2090.	198.	26.	0.07
	D	2050.	204.	29.	0.08
	E	2060.	210.	13.	0.03
	F	2010.	170.	-	-
	G	2020.	166.	-	-
V	A	2320.	178.	206.	0.55
	B	2480.	185.	58.	0.16
	C	2490.	192.	48.	0.13
	D	2350.	200.	28.	0.07
	E	2460.	211.	22.	0.06
	F	2330.	167.	-	-
	G	2580.	163.	-	-

TAB. 21: RESULTS OF EXPERIMENT NO. 8

PERIOD 3 23- 3-71 FROM 10.40 TO 11.00

TRACER: TRITIUM EMISSION RATE: 4.75 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	620.	175.	656.	1.74
	B	600.	186.	430.	1.14
	C	600.	198.	96.	0.26
	D	620.	207.	-	-
	E	630.	214.	-	-
	F	650.	165.	-	-
	G	620.	156.	-	-
II	A	980.	176.	394.	1.05
	B	1000.	185.	358.	0.95
	C	1010.	193.	38.	0.10
	D	1010.	202.	42.	0.11
	E	990.	213.	-	-
	F	1000.	171.	-	-
	G	1040.	156.	-	-
III	A	1260.	175.	516.	1.37
	B	1250.	185.	23.	0.06
	C	1250.	194.	10.	0.03
	D	1240.	204.	-	-
	E	1250.	211.	-	-
	F	1340.	162.	-	-
	G	1410.	154.	-	-
IV	A	2000.	181.	179.	0.47
	B	2030.	190.	23.	0.06
	C	2090.	198.	25.	0.07
	D	2050.	204.	-	-
	E	2060.	210.	-	-
	F	2010.	170.	-	-
	G	2020.	166.	-	-
V	A	2320.	178.	171.	0.45
	B	2480.	185.	76.	0.20
	C	2490.	192.	31.	0.08
	D	2350.	200.	3.	0.01
	E	2460.	211.	14.	0.04
	F	2330.	167.	-	-
	G	2580.	163.	-	-

TAB. 22: RESULTS OF EXPERIMENT NO. 8

PERIOD 4 23- 3-71 FROM 11.00 TO 11.20

TRACER: TRITIUM EMISSION RATE: 4.75 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	620.	175.	248.	0.69
	B	600.	186.	304.	0.85
	C	600.	198.	35.	0.10
	D	620.	207.	-	-
	E	630.	214.	-	-
	F	650.	165.	785.	2.20
	G	620.	156.	1532.	4.29
II	A	980.	176.	124.	0.35
	B	1000.	185.	54.	0.15
	C	1010.	193.	28.	0.08
	D	1010.	202.	-	-
	E	990.	213.	-	-
	F	1000.	171.	683.	1.91
	G	1040.	156.	508.	1.43
III	A	1260.	175.	896.	2.51
	B	1250.	185.	19.	0.05
	C	1250.	194.	8.	0.02
	D	1240.	204.	-	-
	E	1250.	211.	-	-
	F	1340.	162.	702.	1.97
	G	1410.	154.	895.	2.51
IV	A	2000.	181.	67.	0.19
	B	2030.	190.	25.	0.07
	C	2090.	198.	19.	0.05
	D	2050.	204.	-	-
	E	2060.	210.	-	-
	F	2010.	170.	477.	1.34
	G	2020.	166.	248.	0.70
V	A	2320.	178.	117.	0.33
	B	2480.	185.	30.	0.08
	C	2490.	192.	25.	0.07
	D	2350.	200.	-	-
	E	2460.	211.	16.	0.04
	F	2330.	167.	-	-
	G	2580.	163.	-	-

TAB. 23: RESULTS OF EXPERIMENT NO. 8

PERIOD 5 23- 3-71 FROM 11.20 TO 11.40

TRACER: TRITIUM EMISSION RATE: 4.75 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	620.	175.	994.	2.98
	B	600.	186.	2241.	6.71
	C	600.	198.	180.	0.54
	D	620.	207.	-	-
	E	630.	214.	-	-
	F	650.	165.	847.	2.54
	G	620.	156.	1481.	4.43
II	A	980.	176.	762.	2.28
	B	1000.	185.	318.	0.95
	C	1010.	193.	53.	0.16
	D	1010.	202.	-	-
	E	990.	213.	-	-
	F	1000.	171.	962.	2.88
	G	1040.	156.	516.	1.55
III	A	1260.	175.	669.	2.00
	B	1250.	185.	8.	0.02
	C	1250.	194.	8.	0.03
	D	1240.	204.	-	-
	E	1250.	211.	-	-
	F	1340.	162.	707.	2.12
	G	1410.	154.	377.	1.13
IV	A	2000.	181.	146.	0.44
	B	2030.	190.	31.	0.09
	C	2090.	198.	16.	0.05
	D	2050.	204.	-	-
	E	2060.	210.	-	-
	F	2010.	170.	325.	0.97
	G	2020.	166.	224.	0.67
V	A	2320.	178.	139.	0.42
	B	2480.	185.	63.	0.19
	C	2490.	192.	24.	0.07
	D	2350.	200.	-	-
	E	2460.	211.	-	-
	F	2330.	167.	-	-
	G	2580.	163.	-	-

TAB. 24: RESULTS OF EXPERIMENT NO. 8

PERIOD 6 23- 3-71 FROM 11.40 TO 12.00

TRACER: TRITIUM EMISSION RATE: 4.75 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	620.	175.	1412.	4.39
	B	600.	186.	1098.	3.41
	C	600.	198.	259.	0.80
	D	620.	207.	-	-
	E	630.	214.	-	-
	F	650.	165.	831.	2.58
	G	620.	156.	2346.	7.29
II	A	980.	176.	475.	1.47
	B	1000.	185.	246.	0.76
	C	1010.	193.	113.	0.35
	D	1010.	202.	-	-
	E	990.	213.	-	-
	F	1000.	171.	712.	2.21
	G	1040.	156.	528.	1.64
III	A	1260.	175.	624.	1.94
	B	1250.	185.	19.	0.06
	C	1250.	194.	20.	0.06
	D	1240.	204.	-	-
	E	1250.	211.	-	-
	F	1340.	162.	699.	2.17
	G	1410.	154.	887.	2.76
IV	A	2000.	181.	-	-
	B	2030.	190.	-	-
	C	2090.	198.	-	-
	D	2050.	204.	-	-
	E	2060.	210.	-	-
	F	2010.	170.	-	-
	G	2020.	166.	197.	0.61
V	A	2320.	178.	-	-
	B	2480.	185.	-	-
	C	2490.	192.	-	-
	D	2350.	200.	-	-
	E	2460.	211.	-	-
	F	2330.	167.	204.	0.63
	G	2580.	163.	142.	0.44

TAB. 25: RESULTS OF EXPERIMENT NO. 9

PERIOD 1 18- 5-71 FROM 10.40 TO 11.00

TRACER: TRITIUM EMISSION RATE: 3.82 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	310.	16.	71.	0.19
	B	310.	38.	418.	1.12
	C	280.	53.	3027.	8.12
	D	270.	70.	289.	0.78
	E	310.	86.	1067.	2.86
	F	270.	102.	-	-
	G	270.	124.	-	-
	H	300.	141.	-	-
II	A	440.	18.	183.	0.49
	B	440.	41.	385.	1.03
	C	440.	55.	6312.	16.94
	D	480.	70.	5114.	13.72
	E	490.	87.	678.	1.82
	F	490.	102.	-	-
	G	490.	112.	-	-
	H	540.	133.	-	-
III	A	620.	26.	162.	0.43
	B	610.	41.	387.	1.04
	C	610.	52.	2434.	6.53
	D	600.	65.	9464.	25.39
	E	570.	76.	3674.	9.86
	F	600.	95.	-	-
	G	620.	111.	-	-
	H	680.	131.	-	-
IV	A	860.	19.	50.	0.13
	B	850.	41.	69.	0.19
	C	870.	49.	1460.	3.92
	D	820.	62.	698.	1.87
	E	940.	91.	33.	0.09
	F	870.	105.	-	-
	G	950.	119.	-	-
V	A	1340.	31.	38.	0.10
	B	1300.	39.	53.	0.14
	C	1330.	49.	189.	0.51
	D	1320.	64.	1212.	3.25
	E	1320.	75.	1195.	3.21
	F	1310.	87.	-	-
	G	1480.	115.	-	-

TAB. 26: RESULTS OF EXPERIMENT NO. 9

PERIOD 2 18- 5-71 FROM 11.00 TO 11.20

TRACER: TRITIUM EMISSION RATE: 3.82 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	310.	16.	57.	0.14
	B	310.	38.	7724.	18.91
	C	280.	53.	10671.	26.12
	D	270.	70.	973.	2.38
	E	310.	86.	1164.	2.85
	F	270.	102.	-	-
	G	270.	124.	-	-
	H	300.	141.	-	-
II	A	440.	18.	623.	1.52
	B	440.	41.	2766.	6.77
	C	440.	55.	3498.	8.56
	D	480.	70.	3581.	8.77
	E	490.	87.	742.	1.82
	F	490.	102.	-	-
	G	490.	112.	-	-
	H	540.	133.	-	-
III	A	620.	26.	2067.	5.06
	B	610.	41.	4388.	10.74
	C	610.	52.	4125.	10.10
	D	600.	65.	2356.	5.77
	E	570.	76.	1461.	3.58
	F	600.	95.	-	-
	G	620.	111.	-	-
	H	680.	131.	-	-
IV	A	860.	19.	35.	0.09
	B	850.	41.	1104.	2.70
	C	870.	49.	1069.	2.62
	D	820.	62.	2145.	5.25
	E	940.	91.	41.	0.10
	F	870.	105.	-	-
	G	950.	119.	-	-
V	A	1340.	31.	27.	0.07
	B	1300.	39.	27.	0.07
	C	1330.	49.	191.	0.47
	D	1320.	64.	1333.	3.26
	E	1320.	75.	634.	1.55
	F	1310.	87.	-	-
	G	1480.	115.	-	-

TAB. 27: RESULTS OF EXPERIMENT NO. 9

PERIOD 3 18- 5-71 FROM 11.20 TO 11.40

TRACER: TRITIUM EMISSION RATE: 3.82 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	310.	16.	-	-
	B	310.	38.	2011.	4.83
	C	280.	53.	3700.	8.88
	D	270.	70.	954.	2.29
	E	310.	86.	11516.	27.65
	F	270.	102.	-	-
	G	270.	124.	-	-
	H	300.	141.	-	-
II	A	440.	18.	342.	0.82
	B	440.	41.	1065.	2.56
	C	440.	55.	2828.	6.79
	D	480.	70.	2833.	6.80
	E	490.	87.	904.	2.17
	F	490.	102.	-	-
	G	490.	112.	-	-
	H	540.	133.	-	-
III	A	620.	26.	180.	0.43
	B	610.	41.	1116.	2.68
	C	610.	52.	834.	2.00
	D	600.	65.	1259.	3.02
	E	570.	76.	2007.	4.82
	F	600.	95.	-	-
	G	620.	111.	-	-
	H	680.	131.	-	-
IV	A	860.	19.	232.	0.56
	B	850.	41.	-	-
	C	870.	49.	302.	0.72
	D	820.	62.	737.	1.77
	E	940.	91.	392.	0.94
	F	870.	105.	-	-
	G	950.	119.	-	-
V	A	1340.	31.	17.	0.04
	B	1300.	39.	29.	0.07
	C	1330.	49.	100.	0.24
	D	1320.	64.	581.	1.40
	E	1320.	75.	710.	1.70
	F	1310.	87.	-	-
	G	1480.	115.	-	-

TAB. 28: RESULTS OF EXPERIMENT NO. 9

PERIOD 4 18- 5-71 FROM 11.40 TO 12.00

TRACER: TRITIUM EMISSION RATE: 3.82 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	310.	16.	-	-
	B	310.	38.	-	-
	C	280.	53.	-	-
	D	270.	70.	347.	0.62
	E	310.	86.	2176.	3.89
	F	270.	102.	18759.	33.55
	G	270.	124.	5861.	10.48
	H	300.	141.	2855.	5.11
II	A	440.	18.	-	-
	B	440.	41.	-	-
	C	440.	55.	-	-
	D	480.	70.	1866.	3.34
	E	490.	87.	522.	0.93
	F	490.	102.	557.	1.00
	G	490.	112.	1637.	2.93
	H	540.	133.	949.	1.70
III	A	620.	26.	-	-
	B	610.	41.	-	-
	C	610.	52.	-	-
	D	600.	65.	824.	1.47
	E	570.	76.	592.	1.06
	F	600.	95.	174.	0.31
	G	620.	111.	476.	0.85
	H	680.	131.	1424.	2.55
IV	A	860.	19.	-	-
	B	850.	41.	-	-
	C	870.	49.	105.	0.19
	D	820.	62.	377.	0.67
	E	940.	91.	151.	0.27
	F	870.	105.	373.	0.67
	G	950.	119.	275.	0.49
V	A	1340.	31.	-	-
	B	1300.	39.	-	-
	C	1330.	49.	58.	0.10
	D	1320.	64.	324.	0.58
	E	1320.	75.	260.	0.47
	F	1310.	87.	28.	0.05
	G	1480.	115.	-	-

TAB. 29: RESULTS OF EXPERIMENT NO. 9

PERIOD 5 18- 5-71 FROM 12.00 TO 12.20

TRACER: TRITIUM EMISSION RATE: 3.82 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	310.	16.	-	-
	B	310.	38.	-	-
	C	280.	53.	-	-
	D	270.	70.	369.	0.68
	E	310.	86.	1221.	2.24
	F	270.	102.	4333.	7.95
	G	270.	124.	6746.	12.39
	H	300.	141.	6214.	11.41
II	A	440.	18.	-	-
	B	440.	41.	-	-
	C	440.	55.	-	-
	D	480.	70.	939.	1.72
	E	490.	87.	421.	0.77
	F	490.	102.	311.	0.57
	G	490.	112.	507.	0.93
	H	540.	133.	1546.	2.84
III	A	620.	26.	-	-
	B	610.	41.	-	-
	C	610.	52.	-	-
	D	600.	65.	652.	1.20
	E	570.	76.	581.	1.07
	F	600.	95.	122.	0.22
	G	620.	111.	152.	0.28
	H	680.	131.	413.	0.76
IV	A	860.	19.	-	-
	B	850.	41.	-	-
	C	870.	49.	236.	0.43
	D	820.	62.	364.	0.67
	E	940.	91.	34.	0.06
	F	870.	105.	149.	0.27
	G	950.	119.	235.	0.43
V	A	1340.	31.	-	-
	B	1300.	39.	-	-
	C	1330.	49.	50.	0.09
	D	1320.	64.	334.	0.61
	E	1320.	75.	191.	0.35
	F	1310.	87.	39.	0.07
	G	1480.	115.	43.	0.08

TAB. 30: RESULTS OF EXPERIMENT NO. 9

PERIOD 6 18- 5-71 FROM 12.20 TO 12.40

TRACER: TRITIUM EMISSION RATE: 3.82 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	310.	16.	-	-
	B	310.	38.	-	-
	C	280.	53.	-	-
	D	270.	70.	309.	0.64
	E	310.	86.	1723.	3.57
	F	270.	102.	2124.	4.40
	G	270.	124.	4354.	9.02
	H	300.	141.	5361.	11.10
II	A	440.	18.	-	-
	B	440.	41.	-	-
	C	440.	55.	-	-
	D	480.	70.	1285.	2.66
	E	490.	87.	469.	0.97
	F	490.	102.	293.	0.61
	G	490.	112.	1007.	2.09
	H	540.	133.	2257.	4.67
III	A	620.	26.	-	-
	B	610.	41.	-	-
	C	610.	52.	-	-
	D	600.	65.	796.	1.65
	E	570.	76.	637.	1.32
	F	600.	95.	-	-
	G	620.	111.	171.	0.35
	H	680.	131.	890.	1.84
IV	A	860.	19.	-	-
	B	850.	41.	-	-
	C	870.	49.	113.	0.23
	D	820.	62.	-	-
	E	940.	91.	39.	0.08
	F	870.	105.	144.	0.30
	G	950.	119.	139.	0.29
V	A	1340.	31.	-	-
	B	1300.	39.	-	-
	C	1330.	49.	-	-
	D	1320.	64.	259.	0.54
	E	1320.	75.	206.	0.43
	F	1310.	87.	38.	0.08
	G	1480.	115.	67.	0.14

TAB. 31: RESULTS OF EXPERIMENT NO. 10

PERIOD 1 20- 7-71 FROM 11.00 TO 11.20

TRACER: TRITIUM EMISSION RATE: 4.28 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	610.	192.	344.	1.56
	B	600.	200.	173.	0.78
	C	610.	210.	95.	0.43
	D	630.	218.	229.	1.04
	E	610.	228.	191.	0.87
II	A	1030.	193.	438.	1.99
	B	990.	203.	188.	0.85
	C	1070.	205.	87.	0.40
	D	950.	213.	198.	0.90
	E	990.	220.	51.	0.23
III	A	1460.	193.	200.	0.91
	B	1670.	206.	157.	0.71
	C	1450.	207.	106.	0.48
	D	1640.	219.	40.	0.18
	E	1550.	230.	23.	0.11
IV	A	2000.	195.	≤17.	≤0.08
	B	2040.	200.	51.	0.23
	C	2050.	209.	83.	0.37
	D	2000.	220.	17.	0.08
	E	2030.	228.	≤17.	≤0.08
V	A	2630.	194.	25.	0.11
	B	2380.	200.	116.	0.53
	C	2480.	209.	73.	0.33
	D	2700.	215.	54.	0.25
	E	2900.	220.	≤17.	≤0.08

TAB. 32: RESULTS OF EXPERIMENT NO. 10

PERIOD 2 20- 7-71 FROM 11.20 TO 11.40

TRACER: TRITIUM EMISSION RATE: 4.28 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	610.	192.	331.	1.50
	B	600.	200.	425.	1.93
	C	610.	210.	38.	0.17
	D	630.	218.	680.	3.09
	E	610.	228.	786.	3.57
II	A	1030.	193.	357.	1.62
	B	990.	203.	295.	1.34
	C	1070.	205.	167.	0.76
	D	950.	213.	302.	1.37
	E	990.	220.	280.	1.27
III	A	1460.	193.	83.	0.38
	B	1670.	206.	120.	0.55
	C	1450.	207.	101.	0.46
	D	1640.	219.	66.	0.30
	E	1550.	230.	67.	0.31
IV	A	2000.	195.	≤17.	≤0.08
	B	2040.	200.	34.	0.16
	C	2050.	209.	76.	0.34
	D	2000.	220.	23.	0.10
	E	2030.	228.	≤17.	≤0.08
V	A	2630.	194.	17.	0.08
	B	2380.	200.	65.	0.29
	C	2480.	209.	81.	0.37
	D	2700.	215.	82.	0.37
	E	2900.	220.	44.	0.20

TAB. 33: RESULTS OF EXPERIMENT NO. 10

PERIOD 3 20- 7-71 FROM 11.40 TO 12.00

TRACER: TRITIUM EMISSION RATE: 4.28 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	610.	192.	3356.	15.23
	B	600.	200.	2208.	10.02
	C	610.	210.	464.	2.11
	D	630.	218.	256.	1.16
	E	610.	228.	92.	0.42
II	A	1030.	193.	791.	3.59
	B	990.	203.	823.	3.74
	C	1070.	205.	676.	3.07
	D	950.	213.	293.	1.33
	E	990.	220.	70.	0.32
III	A	1460.	193.	169.	0.77
	B	1670.	206.	108.	0.49
	C	1450.	207.	112.	0.51
	D	1640.	219.	49.	0.22
	E	1550.	230.	27.	0.12
IV	A	2000.	195.	70.	0.32
	B	2040.	200.	91.	0.41
	C	2050.	209.	52.	0.24
	D	2000.	220.	≤17.	≤0.08
	E	2030.	228.	≤17.	≤0.08
V	A	2630.	194.	42.	0.19
	B	2380.	200.	69.	0.31
	C	2480.	209.	77.	0.35
	D	2700.	215.	42.	0.19
	E	2900.	220.	≤17.	≤0.08

TAB. 34: RESULTS OF EXPERIMENT NO. 10

PERIOD 4 20- 7-71 FROM 12.00 TO 12.20

TRACER: TRITIUM EMISSION RATE: 4.28 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	610.	192.	3545.	15.94
	B	600.	200.	3289.	14.79
	C	610.	210.	1114.	5.01
	D	630.	218.	341.	1.53
	E	610.	228.	140.	0.63
II	A	1030.	193.	2143.	9.64
	B	990.	203.	1067.	4.80
	C	1070.	205.	866.	3.90
	D	950.	213.	211.	0.95
	E	990.	220.	74.	0.33
III	A	1460.	193.	178.	0.80
	B	1670.	206.	60.	0.27
	C	1450.	207.	53.	0.24
	D	1640.	219.	28.	0.13
	E	1550.	230.	27.	0.12
IV	A	2000.	195.	265.	1.19
	B	2040.	200.	137.	0.61
	C	2050.	209.	33.	0.15
	D	2000.	220.	$\leq$ 17.	$\leq$ 0.08
	E	2030.	228.	$\leq$ 17.	$\leq$ 0.08
V	A	2630.	194.	135.	0.61
	B	2380.	200.	72.	0.32
	C	2480.	209.	24.	0.11
	D	2700.	215.	22.	0.10
	E	2900.	220.	18.	0.08

TAB. 35: RESULTS OF EXPERIMENT NO. 10

PERIOD 5 20- 7-71 FROM 12.20 TO 12.40

TRACER: TRITIUM EMISSION RATE: 4.28 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	610.	192.	758.	3.41
	B	600.	200.	653.	2.94
	C	610.	210.	499.	2.24
	D	630.	218.	181.	0.81
	E	610.	228.	98.	0.44
II	A	1030.	193.	322.	1.45
	B	990.	203.	310.	1.39
	C	1070.	205.	240.	1.08
	D	950.	213.	425.	1.91
	E	990.	220.	73.	0.33
III	A	1460.	193.	238.	1.07
	B	1670.	206.	202.	0.91
	C	1450.	207.	46.	0.20
	D	1640.	219.	26.	0.12
	E	1550.	230.	≤ 17.	≤ 0.08
IV	A	2000.	195.	170.	0.77
	B	2040.	200.	167.	0.75
	C	2050.	209.	50.	0.22
	D	2000.	220.	≤ 17.	≤ 0.08
	E	2030.	228.	≤ 17.	≤ 0.08
V	A	2630.	194.	61.	0.28
	B	2380.	200.	87.	0.39
	C	2480.	209.	73.	0.33
	D	2700.	215.	≤ 17.	≤ 0.08
	E	2900.	220.	≤ 17.	≤ 0.08

TAB. 36: RESULTS OF EXPERIMENT NO. 11

PERIOD 1 4-11-71 FROM 13.40 TO 14.00

TRACER: TRITIUM EMISSION RATE: 4.03 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	300.	4.	175.	0.79
	B	300.	16.	48.	0.22
	C	280.	29.	102.	0.46
	D	290.	43.	712.	3.24
	E	270.	55.	22.	0.10
II	A	590.	-1.	83.	0.38
	B	610.	13.	89.	0.41
	C	570.	25.	1980.	9.02
	D	600.	45.	5647.	25.71
	E	600.	59.	27.	0.12
III	A	800.	6.	33.	0.15
	B	820.	22.	57.	0.26
	C	840.	38.	4881.	22.22
	D	850.	48.	86.	0.39
	E	770.	58.	12.	0.05
IV	A	995.	14.	63.	0.29
	B	1030.	25.	91.	0.41
	C	1010.	41.	3184.	14.50
	D	980.	53.	35.	0.16
	E	1000.	62.	14.	0.07
V	A	1980.	10.	$\leq$ 8.	$\leq$ 0.03
	B	1890.	19.	37.	0.17
	C	2000.	33.	250.	1.14
	D	2100.	43.	178.	0.81
	E	2020.	53.	15.	0.07

TAB. 37: RESULTS OF EXPERIMENT NO. 11

PERIOD 2 4-11-71 FROM 14.00 TO 14.20

TRACER: TRITIUM EMISSION RATE: 4.03 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	300.	4.	170.	0.83
	B	300.	16.	132.	0.64
	C	280.	29.	42.	0.20
	D	290.	43.	249.	1.21
	E	270.	55.	47.	0.23
II	A	590.	-1.	64.	0.31
	B	610.	13.	175.	0.85
	C	570.	25.	275.	1.34
	D	600.	45.	2570.	12.50
	E	600.	59.	2141.	10.42
III	A	800.	6.	67.	0.32
	B	820.	22.	117.	0.57
	C	840.	38.	664.	3.23
	D	850.	48.	836.	4.07
	E	770.	58.	1562.	7.60
IV	A	995.	14.	97.	0.47
	B	1030.	25.	67.	0.32
	C	1010.	41.	1546.	7.52
	D	980.	53.	2448.	11.91
	E	1000.	62.	55.	0.27
V	A	1980.	10.	$\leq$ 8.	$\leq$ 0.04
	B	1890.	19.	44.	0.21
	C	2000.	33.	183.	0.89
	D	2100.	43.	512.	2.49
	E	2020.	53.	19.	0.09

TAB. 38: RESULTS OF EXPERIMENT NO. 11

PERIOD 3 4-11-71 FROM 14.20 TO 14.40

TRACER: TRITIUM EMISSION RATE: 4.03 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	300.	4.	140.	0.61
	B	300.	16.	151.	0.65
	C	280.	29.	53.	0.23
	D	290.	43.	489.	2.12
	E	270.	55.	34.	0.15
II	A	590.	-1.	86.	0.37
	B	610.	13.	116.	0.50
	C	570.	25.	117.	0.51
	D	600.	45.	3371.	14.60
	E	600.	59.	5843.	25.30
III	A	800.	6.	35.	0.15
	B	820.	22.	93.	0.40
	C	840.	38.	814.	3.52
	D	850.	48.	3628.	15.71
	E	770.	58.	2226.	9.64
IV	A	995.	14.	72.	0.31
	B	1030.	25.	57.	0.25
	C	1010.	41.	1103.	4.77
	D	980.	53.	5385.	23.32
	E	1000.	62.	178.	0.77
V	A	1980.	10.	$\leq$ 8.	$\leq$ 0.03
	B	1890.	19.	47.	0.20
	C	2000.	33.	120.	0.52
	D	2100.	43.	399.	1.73
	E	2020.	53.	383.	1.66

TAB. 39: RESULTS OF EXPERIMENT NO. 11

PERIOD 4 4-11-71 FROM 14.40 TO 15.00

TRACER: TRITIUM EMISSION RATE: 4.03 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	300.	4.	134.	0.57
	B	300.	16.	100.	0.42
	C	280.	29.	42.	0.18
	D	290.	43.	64.	0.27
	E	270.	55.	115.	0.49
II	A	590.	-1.	60.	0.25
	B	610.	13.	125.	0.53
	C	570.	25.	203.	0.86
	D	600.	45.	5947.	25.22
	E	600.	59.	1427.	6.05
III	A	800.	6.	96.	0.41
	B	820.	22.	111.	0.47
	C	840.	38.	2661.	11.29
	D	850.	48.	2070.	8.78
	E	770.	58.	1017.	4.32
IV	A	995.	14.	98.	0.41
	B	1030.	25.	52.	0.22
	C	1010.	41.	5589.	23.70
	D	980.	53.	2893.	12.27
	E	1000.	62.	46.	0.20
V	A	1980.	10.	$\leq$ 8.	$\leq$ 0.03
	B	1890.	19.	40.	0.17
	C	2000.	33.	167.	0.71
	D	2100.	43.	1181.	5.01
	E	2020.	53.	428.	1.82

TAB. 40: RESULTS OF EXPERIMENT NO. 11

PERIOD 5 4-11-71 FROM 15.00 TO 15.20

TRACER: TRITIUM EMISSION RATE: 4.03 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	300.	4.	184.	0.82
	B	300.	16.	113.	0.51
	C	280.	29.	58.	0.26
	D	290.	43.	144.	0.64
	E	270.	55.	61.	0.27
II	A	590.	-1.	92.	0.41
	B	610.	13.	149.	0.66
	C	570.	25.	586.	2.62
	D	600.	45.	5805.	25.92
	E	600.	59.	2559.	11.42
III	A	800.	6.	56.	0.25
	B	820.	22.	112.	0.50
	C	840.	38.	1429.	6.38
	D	850.	48.	990.	4.42
	E	770.	58.	635.	2.83
IV	A	995.	14.	74.	0.33
	B	1030.	25.	78.	0.35
	C	1010.	41.	4922.	21.97
	D	980.	53.	1411.	6.30
	E	1000.	62.	60.	0.27
V	A	1980.	10.	≤ 8.	≤ 0.03
	B	1890.	19.	46.	0.21
	C	2000.	33.	182.	0.81
	D	2100.	43.	2027.	9.05
	E	2020.	53.	341.	1.52

TAB. 41 : RESULTS OF EXPERIMENT NO. 13

PERICD 1 11- 1-73 FROM 14.00 TO 14.30

TRACER: TRITIUM EMISSION RATE: 3.64 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	850.	277.	330. ± 20.	1.57 ± 0.17
	B	805.	292.	1291. ± 74.	6.17 ± 0.66
	C	800.	302.	2204. ± 126.	10.53 ± 1.12
	D	790.	308.	771. ± 45.	3.68 ± 0.40
	E	775.	315.	125. ± 9.	0.59 ± 0.07
II	A	1290.	280.	- -	- -
	B	1200.	286.	- -	- -
	C	1260.	290.	- -	- -
	D	1255.	300.	- -	- -
	E	1310.	310.	- -	- -
III	A	2060.	280.	21. ± 3.	0.10 ± 0.02
	B	2000.	288.	206. ± 14.	0.99 ± 0.11
	C	2010.	300.	802. ± 47.	3.83 ± 0.41
	D	1850.	304.	119. ± 8.	0.57 ± 0.07
	E	2010.	313.	≤ 4.	≤ 0.02
IV	A	3075.	278.	≤ 4.	≤ 0.02
	B	2715.	287.	46. ± 4.	0.22 ± 0.03
	C	2600.	296.	436. ± 26.	2.08 ± 0.23
	D	2995.	301.	263. ± 17.	1.26 ± 0.14
	E	3110.	315.	6. ± 3.	0.03 ± 0.02
V	A	3930.	278.	12. ± 5.	0.06 ± 0.02
	B	3990.	284.	11. ± 3.	0.05 ± 0.01
	C	3990.	295.	223. ± 14.	1.06 ± 0.12
	D	3965.	305.	93. ± 7.	0.44 ± 0.05
	E	4030.	313.	≤ 4.	≤ 0.02

TAB. 42 : RESULTS OF EXPERIMENT NO. 13

PERIOD 2 11- 1-73 FROM 14.30 TO 15.00

TRACER: TRITIUM EMISSION RATE: 0.364E+01 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSIONFACTOR 1.E-06 1/M**2
I	A	850.	277.	539. ± 32.	2.68 ± 0.29
	B	805.	292.	1629. ± 94.	8.11 ± 0.86
	C	800.	302.	851. ± 49.	4.23 ± 0.45
	D	790.	308.	139. ± 10.	0.69 ± 0.08
	E	775.	315.	25. ± 4.	0.12 ± 0.02
II	A	1290.	280.	5. ± 3.	0.03 ± 0.01
	B	1200.	286.	1678. ± 96.	8.35 ± 0.89
	C	1260.	290.	1155. ± 66.	5.74 ± 0.61
	D	1255.	300.	228. ± 15.	1.13 ± 0.12
	E	1310.	310.	132. ± 9.	0.66 ± 0.07
III	A	2060.	280.	56. ± 5.	0.28 ± 0.04
	B	2000.	288.	696. ± 41.	3.46 ± 0.37
	C	2010.	300.	127. ± 9.	0.63 ± 0.07
	D	1850.	304.	40. ± 4.	0.20 ± 0.03
	E	2010.	313.	5. ± 3.	0.03 ± 0.01
IV	A	3075.	278.	≤ 4.	≤ 0.02
	B	2715.	287.	185. ± 12.	0.92 ± 0.10
	C	2600.	296.	246. ± 15.	1.22 ± 0.13
	D	2995.	301.	121. ± 9.	0.60 ± 0.07
	E	3110.	315.	≤ 4.	≤ 0.02
V	A	3930.	278.	≤ 4.	≤ 0.02
	B	3990.	284.	98. ± 7.	0.49 ± 0.06
	C	3990.	295.	222. ± 14.	1.11 ± 0.12
	D	3965.	305.	26. ± 3.	0.13 ± 0.02
	E	4030.	313.	≤ 4.	≤ 0.02

TAB. 43: RESULTS OF EXPERIMENT NO. 13

PERIOD 3 11- 1-73 FROM 15.00 TO 15.30

TRACER: TRITIUM EMISSION RATE: 0.364E+01 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSIONFACTOR 1.E-06 1/M**2
I	A	850.	277.	936. ± 55.	3.82 ± 0.42
	B	805.	292.	1058. ± 61.	4.32 ± 0.48
	C	800.	302.	1410. ± 81.	5.76 ± 0.63
	D	790.	308.	222. ± 14.	0.91 ± 0.10
	E	775.	315.	36. ± 4.	0.15 ± 0.02
II	A	1290.	280.	26. ± 4.	0.11 ± 0.02
	B	1200.	286.	986. ± 57.	4.03 ± 0.44
	C	1260.	290.	1324. ± 77.	5.41 ± 0.59
	D	1255.	300.	1239. ± 72.	5.06 ± 0.56
	E	1310.	310.	59. ± 5.	0.24 ± 0.03
III	A	2060.	280.	197. ± 13.	0.80 ± 0.09
	B	2000.	288.	676. ± 40.	2.76 ± 0.30
	C	2010.	300.	583. ± 34.	2.38 ± 0.26
	D	1850.	304.	59. ± 5.	0.24 ± 0.03
	E	2010.	313.	4. ± 3.	0.02 ± 0.01
IV	A	3075.	278.	19. ± 4.	0.08 ± 0.02
	B	2715.	287.	283. ± 18.	1.15 ± 0.13
	C	2600.	296.	374. ± 23.	1.53 ± 0.17
	D	2995.	301.	110. ± 8.	0.45 ± 0.05
	E	3110.	315.	9. ± 3.	0.04 ± 0.01
V	A	3930.	278.	≤ 4.	≤ 0.02
	B	3990.	284.	60. ± 5.	0.24 ± 0.03
	C	3990.	295.	354. ± 22.	1.45 ± 0.16
	D	3965.	305.	71. ± 6.	0.29 ± 0.04
	E	4030.	313.	9. ± 3.	0.04 ± 0.01

TAB. 44: RESULTS OF EXPERIMENT NO. 14

PERIOD 1 25- 1-73 FROM 14.00 TO 14.30

TRACER: TRITIUM EMISSION RATE: 3.77 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	630.	221.	6. ± 3.	0.03 ± 0.02
	B	570.	238.	40. ± 4.	0.20 ± 0.03
	C	570.	247.	1449. ± 84.	7.10 ± 0.75
	D	535.	255.	1698. ± 98.	8.32 ± 0.88
	E	570.	264.	626. ± 37.	3.07 ± 0.33
II	A	790.	216.	5. ± 3.	0.02 ± 0.02
	B	735.	228.	9. ± 4.	0.04 ± 0.02
	C	740.	237.	25. ± 4.	0.12 ± 0.02
	D	780.	252.	3315. ± 189.	16.24 ± 1.72
	E	730.	257.	2744. ± 157.	13.44 ± 1.42
III	A	1030.	217.	5. ± 3.	0.03 ± 0.02
	B	990.	238.	23. ± 4.	0.11 ± 0.02
	C	1120.	248.	564. ± 34.	2.76 ± 0.30
	D	955.	260.	2732. ± 156.	13.39 ± 1.42
	E	1125.	261.	1657. ± 95.	8.12 ± 0.86
IV	A	1560.	217.	8. ± 3.	0.04 ± 0.02
	B	1510.	232.	5. ± 3.	0.02 ± 0.01
	C	1435.	244.	100. ± 8.	0.49 ± 0.06
	D	1560.	249.	271. ± 17.	1.33 ± 0.14
	E	1500.	256.	1574. ± 91.	7.71 ± 0.82
V	A	1990.	218.	4. ± 3.	0.02 ± 0.01
	B	2020.	228.	7. ± 3.	0.03 ± 0.02
	C	2205.	237.	10. ± 3.	0.05 ± 0.02
	D	2020.	247.	107. ± 8.	0.52 ± 0.06
	E	1970.	258.	1001. ± 58.	4.90 ± 0.52

TAB. 45: RESULTS OF EXPERIMENT NO. 14

PERIOD 2 25- 1-73 FROM 14.30 TO 15.00

TRACER: TRITIUM EMISSION RATE: 3.77 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	630.	221.	5. ± 3.	0.02 ± 0.01
	B	570.	238.	465. ± 28.	1.88 ± 0.21
	C	570.	247.	3120. ± 178.	12.61 ± 1.37
	D	535.	255.	5696. ± 324.	23.01 ± 2.51
	E	570.	264.	3504. ± 200.	14.16 ± 1.54
II	A	790.	216.	6. ± 3.	0.02 ± 0.01
	B	735.	228.	9. ± 3.	0.03 ± 0.01
	C	740.	237.	55. ± 5.	0.22 ± 0.03
	D	780.	252.	6499. ± 369.	26.26 ± 2.86
	E	730.	257.	4861. ± 277.	19.64 ± 2.14
III	A	1030.	217.	5. ± 3.	0.02 ± 0.01
	B	990.	238.	15. ± 4.	0.06 ± 0.02
	C	1120.	248.	580. ± 35.	2.34 ± 0.26
	D	955.	260.	4585. ± 261.	18.52 ± 2.02
	E	1125.	261.	4416. ± 252.	17.84 ± 1.94
IV	A	1560.	217.	5. ± 3.	0.02 ± 0.01
	B	1510.	232.	8. ± 3.	0.03 ± 0.01
	C	1435.	244.	140. ± 10.	0.57 ± 0.07
	D	1560.	249.	279. ± 18.	1.13 ± 0.13
	E	1500.	256.	2815. ± 161.	11.37 ± 1.24
V	A	1990.	218.	6. ± 3.	0.02 ± 0.01
	B	2020.	228.	4. ± 3.	0.02 ± 0.01
	C	2205.	237.	12. ± 3.	0.05 ± 0.01
	D	2020.	247.	111. ± 8.	0.45 ± 0.05
	E	1970.	258.	1091. ± 63.	4.41 ± 0.48

TAB. 46: RESULTS OF EXPERIMENT NO. 14

PERIOD 3 25- 1-73 FROM 15.00 TO 15.30

TRACER: TRITIUM EMISSION RATE: 3.77 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	630.	221.	6. ± 3.	0.03 ± 0.02
	B	570.	238.	99. ± 8.	0.51 ± 0.06
	C	570.	247.	830. ± 49.	4.28 ± 0.45
	D	535.	255.	1749. ± 101.	9.02 ± 0.95
	E	570.	264.	5139. ± 292.	26.51 ± 2.78
II	A	790.	216.	7. ± 3.	0.04 ± 0.02
	B	735.	228.	6. ± 3.	0.03 ± 0.02
	C	740.	237.	19. ± 4.	0.10 ± 0.02
	D	780.	252.	1165. ± 68.	6.01 ± 0.63
	E	730.	257.	1885. ± 108.	9.72 ± 1.02
III	A	1030.	217.	7. ± 3.	0.04 ± 0.02
	B	990.	238.	9. ± 3.	0.05 ± 0.02
	C	1120.	248.	165. ± 11.	0.85 ± 0.09
	D	955.	260.	2042. ± 117.	10.53 ± 1.11
	E	1125.	261.	2555. ± 146.	13.18 ± 1.39
IV	A	1560.	217.	8. ± 3.	0.04 ± 0.02
	B	1510.	232.	8. ± 3.	0.04 ± 0.02
	C	1435.	244.	64. ± 6.	0.33 ± 0.04
	D	1560.	249.	107. ± 8.	0.55 ± 0.06
	E	1500.	256.	1300. ± 75.	6.71 ± 0.71
V	A	1990.	218.	≤ 3.	≤ 0.02
	B	2020.	228.	5. ± 3.	0.03 ± 0.02
	C	2205.	237.	8. ± 3.	0.04 ± 0.02
	D	2020.	247.	30. ± 4.	0.16 ± 0.02
	E	1970.	258.	395. ± 24.	2.04 ± 0.22

TAB. 47 : RESULTS OF EXPERIMENT NO. 14

PERIOD 1 25- 1-73 FROM 14.00 TO 14.30

TRACER: CCL4 EMISSION RATE: 1.75 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	630.	221.	516. ± 150.	1.51 ± 0.45
	B	570.	238.	519. ± 165.	1.52 ± 0.49
	C	570.	247.	2372. ± 174.	6.95 ± 0.61
	D	535.	255.	4169. ± 180.	12.22 ± 0.80
	E	570.	264.	1402. ± 157.	4.11 ± 0.50
II	A	790.	216.	624. ± 189.	1.83 ± 0.56
	B	735.	228.	438. ± 154.	1.28 ± 0.46
	C	740.	237.	499. ± 154.	1.46 ± 0.46
	D	780.	252.	4703. ± 179.	13.79 ± 0.86
	E	730.	257.	3590. ± 181.	10.52 ± 0.74
III	A	1030.	217.	- -	- -
	B	990.	238.	645. ± 174.	1.89 ± 0.52
	C	1120.	248.	1355. ± 133.	3.97 ± 0.44
	D	955.	260.	2835. ± 153.	8.31 ± 0.61
	E	1125.	261.	1771. ± 178.	5.19 ± 0.58
IV	A	1560.	217.	930. ± 173.	2.73 ± 0.52
	B	1510.	232.	1235. ± 168.	3.62 ± 0.52
	C	1435.	244.	1176. ± 128.	3.45 ± 0.41
	D	1560.	249.	- -	- -
	E	1500.	256.	2355. ± 173.	6.90 ± 0.61
V	A	1990.	218.	1278. ± 191.	3.75 ± 0.59
	B	2020.	228.	1281. ± 186.	3.76 ± 0.58
	C	2205.	237.	986. ± 155.	2.89 ± 0.48
	D	2020.	247.	1316. ± 157.	3.86 ± 0.50
	E	1970.	258.	2517. ± 126.	7.38 ± 0.52

TAB. 48 : RESULTS OF EXPERIMENT NO. 14

PERIOD 2 25- 1-73 FROM 14.30 TO 15.00

TRACER: CCL4 EMISSION RATE: 1.75 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	630.	221.	480. ± 111.	1.16 ± 0.28
	B	570.	238.	1326. ± 142.	3.21 ± 0.39
	C	570.	247.	4935. ± 230.	11.93 ± 0.87
	D	535.	255.	6903. ± 211.	16.69 ± 1.06
	E	570.	264.	4627. ± 235.	11.18 ± 0.85
II	A	790.	216.	629. ± 123.	1.52 ± 0.31
	B	735.	228.	403. ± 188.	0.97 ± 0.46
	C	740.	237.	1101. ± 183.	2.66 ± 0.47
	D	780.	252.	7513. ± 259.	18.16 ± 1.19
	E	730.	257.	6474. ± 225.	15.65 ± 1.03
III	A	1030.	217.	442. ± 129.	1.07 ± 0.32
	B	990.	238.	487. ± 156.	1.18 ± 0.38
	C	1120.	248.	1499. ± 158.	3.62 ± 0.43
	D	955.	260.	6018. ± 181.	14.55 ± 0.92
	E	1125.	261.	5528. ± 191.	13.36 ± 0.88
IV	A	1560.	217.	1035. ± 124.	2.50 ± 0.33
	B	1510.	232.	1125. ± 174.	2.72 ± 0.45
	C	1435.	244.	1427. ± 192.	3.45 ± 0.50
	D	1560.	249.	- -	- -
	E	1500.	256.	2780. ± 154.	6.72 ± 0.53
V	A	1990.	218.	827. ± 133.	2.00 ± 0.34
	B	2020.	228.	1025. ± 141.	2.48 ± 0.37
	C	2205.	237.	1110. ± 173.	2.68 ± 0.44
	D	2020.	247.	1133. ± 149.	2.74 ± 0.39
	E	1970.	258.	- -	- -

TAB. 49 : RESULTS OF EXPERIMENT NO. 15

PERIOD 1 8- 2-73 FROM 14.00 TO 14.30

TRACER: TRITIUM EMISSION RATE: 3.99 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	505.	24.	240. ± 16.	1.32 ± 0.14
	B	470.	39.	1024. ± 60.	5.61 ± 0.59
	C	480.	49.	2124. ± 122.	11.64 ± 1.21
	D	470.	57.	716. ± 43.	3.92 ± 0.41
	E	485.	72.	16. ± 5.	0.09 ± 0.03
II	A	760.	30.	688. ± 41.	3.77 ± 0.40
	B	835.	42.	2834. ± 163.	15.53 ± 1.61
	C	850.	52.	892. ± 52.	4.88 ± 0.51
	D	770.	59.	813. ± 48.	4.46 ± 0.47
	E	955.	74.	13. ± 4.	0.07 ± 0.02
III	A	1070.	35.	657. ± 39.	3.60 ± 0.38
	B	1070.	43.	2594. ± 149.	14.21 ± 1.48
	C	1040.	51.	1546. ± 90.	8.47 ± 0.88
	D	1050.	62.	77. ± 7.	0.42 ± 0.05
	E	1035.	74.	10. ± 4.	0.06 ± 0.03
IV	A	1520.	39.	1331. ± 78.	7.29 ± 0.76
	B	1460.	48.	1353. ± 79.	7.41 ± 0.77
	C	1545.	54.	281. ± 18.	1.54 ± 0.17
	D	1600.	60.	32. ± 5.	0.18 ± 0.03
	E	1595.	67.	11. ± 4.	0.06 ± 0.02
V	A	1990.	34.	144. ± 11.	0.79 ± 0.09
	B	2000.	43.	1540. ± 89.	8.43 ± 0.88
	C	1985.	53.	468. ± 29.	2.56 ± 0.27
	D	2090.	61.	23. ± 5.	0.13 ± 0.03
	E	2050.	68.	10. ± 4.	0.05 ± 0.02

TAB. 50 : RESULTS OF EXPERIMENT NO. 15

PERIOD 2 8- 2-73 FROM 14.30 TO 15.00

TRACER: TRITIUM EMISSION RATE: 3.99 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	505.	24.	183. ± 13.	0.78 ± 0.09
	B	470.	39.	213. ± 15.	0.91 ± 0.10
	C	480.	49.	873. ± 52.	3.72 ± 0.40
	D	470.	57.	1915. ± 111.	8.17 ± 0.88
	E	485.	72.	369. ± 23.	1.58 ± 0.17
II	A	760.	30.	172. ± 12.	0.73 ± 0.08
	B	835.	42.	852. ± 50.	3.64 ± 0.39
	C	850.	52.	3416. ± 196.	14.58 ± 1.56
	D	770.	59.	3266. ± 187.	13.94 ± 1.49
	E	955.	74.	- -	- -
III	A	1070.	35.	199. ± 14.	0.85 ± 0.10
	B	1070.	43.	856. ± 51.	3.65 ± 0.40
	C	1040.	51.	2603. ± 150.	11.11 ± 1.19
	D	1050.	62.	2341. ± 135.	9.99 ± 1.07
	E	1035.	74.	121. ± 10.	0.51 ± 0.06
IV	A	1520.	39.	269. ± 18.	1.15 ± 0.13
	B	1460.	48.	1106. ± 65.	4.72 ± 0.51
	C	1545.	54.	2049. ± 118.	8.75 ± 0.94
	D	1600.	60.	1143. ± 67.	4.88 ± 0.53
	E	1595.	67.	37. ± 6.	0.16 ± 0.03
V	A	1990.	34.	53. ± 11.	0.23 ± 0.05
	B	2000.	43.	271. ± 18.	1.16 ± 0.13
	C	1985.	53.	1282. ± 75.	5.47 ± 0.59
	D	2090.	61.	255. ± 17.	1.09 ± 0.12
	E	2050.	68.	16. ± 5.	0.07 ± 0.02

TAB. 51: RESULTS OF EXPERIMENT NO. 15

PERIOD 3 8- 2-73 FROM 15.00 TO 15.30

TRACER: TRITIUM EMISSION RATE: 3.99 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	505.	24.	181. ± 13.	0.75 ± 0.09
	B	470.	39.	195. ± 14.	0.81 ± 0.09
	C	480.	49.	1973. ± 114.	8.14 ± 0.88
	D	470.	57.	1879. ± 109.	7.75 ± 0.84
	E	485.	72.	836. ± 50.	3.45 ± 0.38
II	A	760.	30.	174. ± 13.	0.72 ± 0.08
	B	835.	42.	514. ± 32.	2.12 ± 0.23
	C	850.	52.	2610. ± 150.	10.77 ± 1.16
	D	770.	59.	2479. ± 143.	10.22 ± 1.10
	E	955.	74.	915. ± 54.	3.77 ± 0.41
III	A	1070.	35.	124. ± 10.	0.51 ± 0.06
	B	1070.	43.	360. ± 23.	1.49 ± 0.17
	C	1040.	51.	2716. ± 156.	11.20 ± 1.21
	D	1050.	62.	3574. ± 205.	14.74 ± 1.59
	E	1035.	74.	841. ± 50.	3.47 ± 0.38
IV	A	1520.	39.	187. ± 13.	0.77 ± 0.09
	B	1460.	48.	431. ± 27.	1.78 ± 0.20
	C	1545.	54.	1571. ± 91.	6.48 ± 0.70
	D	1600.	60.	2491. ± 143.	10.27 ± 1.11
	E	1595.	67.	656. ± 40.	2.71 ± 0.30
V	A	1990.	34.	27. ± 5.	0.11 ± 0.02
	B	2000.	43.	153. ± 11.	0.63 ± 0.07
	C	1985.	53.	527. ± 32.	2.18 ± 0.24
	D	2090.	61.	814. ± 48.	3.36 ± 0.37
	E	2050.	68.	616. ± 37.	2.54 ± 0.28

TAB. 52: RESULTS OF EXPERIMENT NO. 15

PERIOD 1 8- 2-73 FROM 14.00 TO 14.30

TRACER: CCL4 EMISSION RATE: 1.98 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	505.	24.	420. ± 230.	1.29 ± 0.71
	B	470.	39.	1810. ± 150.	5.55 ± 0.52
	C	480.	49.	3850. ± 180.	11.80 ± 0.76
	D	470.	57.	890. ± 170.	2.73 ± 0.54
	E	485.	72.	≤360.	≤ 1.10
II	A	760.	30.	2260. ± 240.	6.93 ± 0.80
	B	835.	42.	5150. ± 260.	15.79 ± 1.06
	C	850.	52.	1480. ± 180.	4.54 ± 0.59
	D	770.	59.	1800. ± 180.	5.52 ± 0.60
	E	955.	74.	1090. ± 210.	3.34 ± 0.66
III	A	1070.	35.	1350. ± 140.	4.14 ± 0.47
	B	1070.	43.	3840. ± 210.	11.77 ± 0.83
	C	1040.	51.	2200. ± 210.	6.74 ± 0.71
	D	1050.	62.	870. ± 180.	2.67 ± 0.56
	E	1035.	74.	1200. ± 240.	3.68 ± 0.75
IV	A	1520.	39.	1840. ± 200.	5.64 ± 0.66
	B	1460.	48.	1920. ± 200.	5.89 ± 0.67
	C	1545.	54.	≤460.	≤ 1.41
	D	1600.	60.	≤460.	≤ 1.41
	E	1595.	67.	270. ± 150.	0.83 ± 0.46
V	A	1990.	34.	610. ± 150.	1.87 ± 0.47
	B	2000.	43.	1250. ± 100.	3.83 ± 0.35
	C	1985.	53.	730. ± 190.	2.24 ± 0.59
	D	2090.	61.	≤380.	≤ 1.16
	E	2050.	68.	≤360.	≤ 1.10

TAB. 53: RESULTS OF EXPERIMENT NO. 15

PERIOD 2 8- 2-73 FROM 14.30 TO 15.00

TRACER: CCL4 EMISSION RATE: 1.98 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	505.	24.	1320. ± 210.	3.15 ± 0.53
	B	470.	39.	580. ± 140.	1.39 ± 0.34
	C	480.	49.	2440. ± 190.	5.83 ± 0.55
	D	470.	57.	3250. ± 200.	7.76 ± 0.62
	E	485.	72.	800. ± 160.	1.91 ± 0.39
II	A	760.	30.	1270. ± 170.	3.03 ± 0.44
	B	835.	42.	2020. ± 160.	4.83 ± 0.46
	C	850.	52.	5840. ± 220.	13.95 ± 0.89
	D	770.	59.	6720. ± 230.	16.05 ± 1.00
	E	955.	74.	960. ± 180.	2.29 ± 0.45
III	A	1070.	35.	890. ± 190.	2.13 ± 0.47
	B	1070.	43.	2030. ± 150.	4.85 ± 0.44
	C	1040.	51.	3580. ± 180.	8.55 ± 0.62
	D	1050.	62.	4200. ± 260.	10.03 ± 0.81
	E	1035.	74.	600. ± 190.	1.43 ± 0.46
IV	A	1520.	39.	- -	- -
	B	1460.	48.	870. ± 210.	2.08 ± 0.51
	C	1545.	54.	2820. ± 220.	6.74 ± 0.63
	D	1600.	60.	1220. ± 250.	2.91 ± 0.62
	E	1595.	67.	≤380.	≤ 0.91
V	A	1990.	34.	550. ± 200.	1.31 ± 0.48
	B	2000.	43.	560. ± 180.	1.34 ± 0.44
	C	1985.	53.	460. ± 210.	1.10 ± 0.50
	D	2090.	61.	400. ± 160.	0.96 ± 0.39
	E	2050.	68.	≤320.	≤ 0.76

TAB. 54: RESULTS OF EXPERIMENT NO. 15

PERIOD 3 8- 2-73 FROM 15.00 TO 15.30

TRACER: CCL4 EMISSION RATE: 1.98 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	505.	24.	960. ± 210.	2.22 ± 0.50
	B	470.	39.	1410. ± 180.	3.25 ± 0.45
	C	480.	49.	3800. ± 180.	8.77 ± 0.62
	D	470.	57.	4120. ± 190.	9.51 ± 0.67
	E	485.	72.	2860. ± 250.	6.60 ± 0.68
II	A	760.	30.	2990. ± 200.	6.90 ± 0.59
	B	835.	42.	3680. ± 240.	8.49 ± 0.71
	C	850.	52.	6550. ± 220.	15.12 ± 0.95
	D	770.	59.	4940. ± 250.	11.40 ± 0.84
	E	955.	74.	6870. ± 270.	15.86 ± 1.05
III	A	1070.	35.	2200. ± 200.	5.08 ± 0.53
	B	1070.	43.	2320. ± 180.	5.35 ± 0.50
	C	1040.	51.	1990. ± 190.	4.59 ± 0.50
	D	1050.	62.	7180. ± 230.	16.57 ± 1.03
	E	1035.	74.	3800. ± 210.	8.77 ± 0.67
IV	A	1520.	39.	1280. ± 240.	2.95 ± 0.58
	B	1460.	48.	990. ± 190.	2.29 ± 0.45
	C	1545.	54.	2970. ± 190.	6.86 ± 0.57
	D	1600.	60.	3600. ± 220.	8.31 ± 0.67
	E	1595.	67.	1760. ± 190.	4.06 ± 0.49
V	A	1990.	34.	1010. ± 170.	2.33 ± 0.41
	B	2000.	43.	1380. ± 140.	3.19 ± 0.36
	C	1985.	53.	4130. ± 210.	9.53 ± 0.70
	D	2090.	61.	2860. ± 250.	6.60 ± 0.68
	E	2050.	68.	1950. ± 250.	4.50 ± 0.62

TAB. 55: RESULTS OF EXPERIMENT NO. 16

PERIOD 1 22- 2-73 FROM 14.00 TO 14.30

TRACER: TRITIUM EMISSION RATE: 4.10 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	860.	67.	883. ± 52.	5.09 ± 0.53
	B	770.	71.	707. ± 42.	4.08 ± 0.43
	C	720.	78.	980. ± 58.	5.65 ± 0.59
	D	700.	83.	1737. ± 100.	10.02 ± 1.03
	E	630.	106.	22. ± 4.	0.13 ± 0.03
II	A	1250.	73.	1121. ± 66.	6.46 ± 0.67
	B	1225.	79.	1581. ± 92.	9.12 ± 0.94
	C	1210.	86.	355. ± 22.	2.05 ± 0.22
	D	1520.	100.	17. ± 4.	0.10 ± 0.02
	E	1560.	107.	7. ± 3.	0.04 ± 0.02
III	A	1970.	76.	429. ± 26.	2.48 ± 0.26
	B	1980.	83.	246. ± 16.	1.42 ± 0.15
	C	1780.	90.	23. ± 4.	0.13 ± 0.03
	D	2050.	99.	7. ± 3.	0.04 ± 0.02
	E	2040.	108.	≤ 4.	≤ 0.02
IV	A	2980.	79.	410. ± 25.	2.36 ± 0.25
	B	3080.	85.	120. ± 9.	0.69 ± 0.08
	C	3000.	91.	51. ± 6.	0.29 ± 0.04
	D	2960.	97.	≤ 4.	≤ 0.02
	E	3010.	102.	10. ± 4.	0.06 ± 0.02
V	A	3920.	78.	211. ± 14.	1.21 ± 0.13
	B	3930.	83.	74. ± 7.	0.43 ± 0.05
	C	3990.	90.	14. ± 4.	0.08 ± 0.02
	D	4020.	94.	7. ± 3.	0.04 ± 0.02
	E	4000.	99.	7. ± 3.	0.04 ± 0.02

TAB. 56: RESULTS OF EXPERIMENT NO. 16

PERIOD 2 22- 2-73 FROM 14.30 TO 15.00

TRACER: TRITIUM EMISSION RATE: 4.1C CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	860.	67.	2438. ± 140.	14.84 ± 1.52
	B	770.	71.	2563. ± 147.	15.59 ± 1.60
	C	720.	78.	1587. ± 92.	9.65 ± 0.99
	D	700.	83.	846. ± 50.	5.15 ± 0.53
	E	630.	106.	17. ± 4.	0.10 ± 0.03
II	A	1250.	73.	3573. ± 204.	21.74 ± 2.23
	B	1225.	79.	1508. ± 87.	9.18 ± 0.94
	C	1210.	86.	646. ± 39.	3.93 ± 0.41
	D	1520.	100.	16. ± 4.	0.09 ± 0.03
	E	1560.	107.	10. ± 3.	0.06 ± 0.02
III	A	1970.	76.	983. ± 58.	5.98 ± 0.62
	B	1980.	83.	94. ± 8.	0.57 ± 0.07
	C	1780.	90.	45. ± 5.	0.27 ± 0.04
	D	2050.	99.	34. ± 5.	0.20 ± 0.03
	E	2040.	108.	17. ± 4.	0.10 ± 0.03
IV	A	2980.	79.	590. ± 36.	3.59 ± 0.37
	B	3080.	85.	118. ± 9.	0.72 ± 0.08
	C	3000.	91.	23. ± 4.	0.14 ± 0.03
	D	2960.	97.	9. ± 4.	0.05 ± 0.02
	E	3010.	102.	8. ± 4.	0.05 ± 0.02
V	A	3920.	78.	305. ± 19.	1.85 ± 0.20
	B	3930.	83.	102. ± 8.	0.62 ± 0.07
	C	3990.	90.	7. ± 3.	0.04 ± 0.02
	D	4020.	94.	5. ± 4.	0.03 ± 0.02
	E	4000.	99.	13. ± 4.	0.08 ± 0.02

TAB. 57 : RESULTS OF EXPERIMENT NO. 17

PERIOD 1 9- 3-73 FROM 10.40 TO 11.00

TRACER: TRITIUM EMISSION RATE: 4.29 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	96.	159.	14. ± 4.	0.08 ± 0.02
	B	100.	170.	15. ± 4.	0.08 ± 0.02
	C	100.	191.	9. ± 4.	0.05 ± 0.02
	D	98.	204.	43. ± 5.	0.24 ± 0.04
	E	102.	218.	64. ± 6.	0.36 ± 0.05
II	A	256.	150.	8. ± 4.	0.04 ± 0.02
	B	249.	168.	38. ± 5.	0.21 ± 0.03
	C	249.	182.	71. ± 6.	0.39 ± 0.05
	D	248.	195.	36. ± 5.	0.20 ± 0.03
	E	244.	214.	94. ± 8.	0.52 ± 0.06
III	A	404.	150.	≤ 6.	≤ 0.03
	B	394.	169.	31. ± 5.	0.17 ± 0.03
	C	386.	182.	511. ± 31.	2.85 ± 0.30
	D	394.	195.	2263. ± 130.	12.62 ± 1.30
	E	388.	215.	886. ± 53.	4.94 ± 0.52
IV	A	620.	156.	≤ 6.	≤ 0.03
	B	602.	172.	18. ± 4.	0.10 ± 0.02
	C	601.	191.	2250. ± 130.	12.55 ± 1.29
	D	602.	203.	3198. ± 184.	17.84 ± 1.84
	E	600.	215.	800. ± 48.	4.46 ± 0.47
V	A	932.	159.	≤ 6.	≤ 0.03
	B	904.	175.	243. ± 16.	1.36 ± 0.15
	C	900.	189.	2444. ± 141.	13.63 ± 1.40
	D	906.	202.	3057. ± 175.	17.05 ± 1.76
	E	870.	215.	264. ± 18.	1.47 ± 0.16

TAB. 58 : RESULTS OF EXPERIMENT NO. 17

PERIOD 2 9- 3-73 FROM 11.00 TO 11.20

TRACER: TRITIUM EMISSION RATE: 4.29 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	96.	159.	9. ± 3.	0.05 ± 0.02
	B	100.	170.	11. ± 4.	0.07 ± 0.02
	C	100.	191.	9. ± 4.	0.05 ± 0.02
	D	98.	204.	27. ± 5.	0.16 ± 0.03
	E	102.	218.	38. ± 5.	0.23 ± 0.04
II	A	256.	150.	≤ 6.	≤ 0.04
	B	249.	168.	33. ± 5.	0.20 ± 0.03
	C	249.	182.	60. ± 6.	0.36 ± 0.05
	D	248.	195.	21. ± 4.	0.13 ± 0.03
	E	244.	214.	154. ± 12.	0.92 ± 0.10
III	A	404.	150.	6. ± 4.	0.04 ± 0.02
	B	394.	169.	26. ± 5.	0.15 ± 0.03
	C	386.	182.	1255. ± 74.	7.47 ± 0.77
	D	394.	195.	1372. ± 80.	8.17 ± 0.84
	E	388.	215.	263. ± 18.	1.57 ± 0.17
IV	A	620.	156.	7. ± 4.	0.04 ± 0.02
	B	602.	172.	12. ± 4.	0.07 ± 0.03
	C	601.	191.	3397. ± 196.	20.24 ± 2.08
	D	602.	203.	1806. ± 105.	10.76 ± 1.10
	E	600.	215.	280. ± 18.	1.67 ± 0.18
V	A	932.	159.	≤ 6.	≤ 0.04
	B	904.	175.	35. ± 5.	0.21 ± 0.04
	C	900.	189.	2553. ± 147.	15.21 ± 1.56
	D	906.	202.	1774. ± 103.	10.57 ± 1.08
	E	870.	215.	292. ± 19.	1.74 ± 0.19

TAB. 59 : RESULTS OF EXPERIMENT NO. 17

PERIOD 3 9- 3-73 FROM 11.20 TO 11.40

TRACER: TRITIUM EMISSION RATE: 4.29 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	96.	159.	10. ± 5.	C.C5 ± C.03
	B	100.	170.	12. ± 6.	0.06 ± 0.03
	C	100.	191.	13. ± 4.	0.07 ± C.02
	D	98.	204.	32. ± 5.	C.16 ± C.03
	E	102.	218.	52. ± 6.	C.27 ± C.04
II	A	256.	150.	7. ± 4.	C.C4 ± C.C2
	B	249.	168.	18. ± 4.	0.09 ± 0.02
	C	249.	182.	44. ± 5.	C.22 ± C.03
	D	248.	195.	36. ± 5.	0.19 ± 0.03
	E	244.	214.	302. ± 20.	1.56 ± C.17
III	A	404.	150.	≤ 6.	≤ 0.03
	B	394.	169.	16. ± 4.	0.08 ± 0.02
	C	386.	182.	688. ± 41.	3.55 ± C.37
	D	394.	195.	1799. ± 106.	9.28 ± 0.97
	E	388.	215.	346. ± 22.	1.78 ± 0.19
IV	A	620.	156.	10. ± 4.	0.05 ± 0.02
	B	602.	172.	9. ± 4.	C.C5 ± C.02
	C	601.	191.	2275. ± 131.	11.74 ± 1.22
	D	602.	203.	2739. ± 157.	14.13 ± 1.47
	E	600.	215.	340. ± 21.	1.75 ± 0.19
V	A	932.	159.	≤ 6.	≤ 0.03
	B	904.	175.	34. ± 5.	0.18 ± C.03
	C	900.	189.	2020. ± 116.	10.42 ± 1.08
	D	906.	202.	2325. ± 134.	12.00 ± 1.24
	E	870.	215.	313. ± 20.	1.62 ± C.17

TAB. 60 : RESULTS OF EXPERIMENT NO. 18

PERIOD 1 20- 3-73 FROM 14.30 TO 15.00

TRACER: TRITIUM EMISSION RATE: 4.42 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	440.	161.	13. ± 4.	0.03 ± 0.01
	B	385.	180.	10. ± 3.	0.02 ± 0.01
	C	380.	195.	11. ± 3.	0.02 ± 0.01
	D	365.	210.	20. ± 4.	0.04 ± 0.01
	E	420.	233.	526. ± 32.	1.14 ± 0.14
II	A	590.	173.	8. ± 3.	0.02 ± 0.01
	B	585.	182.	7. ± 3.	0.01 ± 0.01
	C	600.	198.	27. ± 5.	0.06 ± 0.01
	D	620.	211.	23. ± 4.	0.05 ± 0.01
	E	590.	224.	177. ± 12.	0.38 ± 0.05
III	A	850.	171.	8. ± 3.	0.02 ± 0.01
	B	815.	185.	6. ± 3.	0.01 ± 0.01
	C	790.	201.	11. ± 3.	0.02 ± 0.01
	D	805.	214.	16. ± 4.	0.03 ± 0.01
	E	820.	223.	141. ± 10.	0.31 ± 0.04
IV	A	1360.	172.	7. ± 3.	0.02 ± 0.01
	B	1290.	191.	13. ± 3.	0.03 ± 0.01
	C	1660.	201.	9. ± 4.	0.02 ± 0.01
	D	1170.	219.	20. ± 4.	0.04 ± 0.01
	E	1260.	232.	374. ± 23.	0.81 ± 0.10
V	A	2020.	170.	7. ± 3.	0.01 ± 0.01
	B	2010.	181.	6. ± 3.	0.01 ± 0.01
	C	2010.	195.	7. ± 3.	0.02 ± 0.01
	D	2030.	210.	6. ± 3.	0.01 ± 0.01
	E	1960.	228.	56. ± 6.	0.12 ± 0.02

TAB. 61 : RESULTS OF EXPERIMENT NO. 18

PERIOD 2 20- 3-73 FROM 15.00 TO 15.30

TRACER: TRITIUM EMISSION RATE: 4.42 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	440.	161.	9. ± 4.	C.C2 ± C.C1
	B	385.	180.	9. ± 3.	0.02 ± C.01
	C	380.	195.	27. ± 4.	C.C6 ± C.C1
	D	365.	210.	1326. ± 77.	2.83 ± 0.35
	E	420.	233.	3479. ± 199.	7.42 ± 0.92
II	A	590.	173.	7. ± 3.	0.02 ± C.C1
	B	585.	182.	9. ± 3.	C.C2 ± C.C1
	C	600.	198.	89. ± 7.	0.19 ± C.03
	D	620.	211.	1609. ± 93.	3.43 ± C.43
	E	590.	224.	1656. ± 96.	3.53 ± 0.44
III	A	850.	171.	8. ± 3.	0.02 ± 0.01
	B	815.	185.	3. ± 3.	0.01 ± C.01
	C	790.	201.	560. ± 34.	1.20 ± 0.15
	D	805.	214.	905. ± 53.	1.93 ± C.24
	E	820.	223.	1210. ± 70.	2.58 ± C.32
IV	A	1360.	172.	7. ± 3.	0.02 ± 0.01
	B	1290.	191.	755. ± 45.	1.61 ± 0.20
	C	1660.	201.	9. ± 3.	C.C2 ± C.C1
	D	1170.	219.	423. ± 26.	0.90 ± 0.11
	E	1260.	232.	469. ± 29.	1.00 ± C.13
V	A	2020.	170.	6. ± 3.	C.C1 ± C.C1
	B	2010.	181.	5. ± 3.	0.01 ± 0.01
	C	2010.	195.	12. ± 4.	0.03 ± C.C1
	D	2030.	210.	64. ± 6.	C.14 ± 0.02
	E	1960.	228.	158. ± 11.	0.34 ± 0.04

TAB. 62 : RESULTS OF EXPERIMENT NO. 18

PERIOD 3 20- 3-73 FROM 15.30 TO 16.00

TRACER: TRITIUM EMISSION RATE: 4.42 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	440.	161.	22. ± 4.	0.06 ± 0.01
	B	385.	180.	2940. ± 168.	7.90 ± 0.91
	C	380.	195.	498. ± 30.	1.34 ± 0.16
	D	365.	210.	565. ± 34.	1.52 ± 0.18
	E	420.	233.	384. ± 24.	1.03 ± 0.12
II	A	590.	173.	223. ± 15.	0.60 ± 0.07
	B	585.	182.	2520. ± 144.	6.77 ± 0.78
	C	600.	198.	1549. ± 90.	4.16 ± 0.48
	D	620.	211.	1127. ± 66.	3.03 ± 0.35
	E	590.	224.	587. ± 35.	1.58 ± 0.18
III	A	850.	171.	527. ± 32.	1.42 ± 0.17
	B	815.	185.	2850. ± 163.	7.66 ± 0.88
	C	790.	201.	1519. ± 88.	4.08 ± 0.47
	D	805.	214.	301. ± 19.	0.81 ± 0.10
	E	820.	223.	329. ± 21.	0.88 ± 0.10
IV	A	1360.	172.	- -	- -
	B	1290.	191.	11. ± 3.	0.03 ± 0.01
	C	1660.	201.	271. ± 18.	0.73 ± 0.09
	D	1170.	219.	176. ± 12.	0.47 ± 0.06
	E	1260.	232.	257. ± 17.	0.69 ± 0.08
V	A	2020.	170.	4. ± 3.	0.01 ± 0.01
	B	2010.	181.	16. ± 4.	0.04 ± 0.01
	C	2010.	195.	203. ± 14.	0.54 ± 0.07
	D	2030.	210.	114. ± 9.	0.31 ± 0.04
	E	1960.	228.	173. ± 12.	0.46 ± 0.06

TAB. 63 : RESULTS OF EXPERIMENT NO. 18

PERIOD 1 20- 3-73 FROM 14.30 TO 15.00

TRACER: CCL4 EMISSION RATE: 1.94 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	440.	161.	1266. ± 34.	1.74 ± 0.15
	B	385.	180.	1366. ± 37.	1.88 ± 0.16
	C	380.	195.	680. ± 22.	0.94 ± 0.08
	D	365.	210.	1972. ± 53.	2.71 ± 0.23
	E	420.	233.	1068. ± 33.	1.47 ± 0.13
II	A	590.	173.	1606. ± 44.	2.21 ± 0.19
	B	585.	182.	1311. ± 36.	1.80 ± 0.15
	C	600.	198.	- -	- -
	D	620.	211.	959. ± 27.	1.32 ± 0.11
	E	590.	224.	1020. ± 40.	1.40 ± 0.13
III	A	850.	171.	545. ± 20.	0.75 ± 0.07
	B	815.	185.	1259. ± 38.	1.73 ± 0.15
	C	790.	201.	513. ± 21.	0.71 ± 0.06
	D	805.	214.	1304. ± 39.	1.79 ± 0.15
	E	820.	223.	1577. ± 46.	2.17 ± 0.19
IV	A	1360.	172.	1529. ± 40.	2.10 ± 0.18
	B	1290.	191.	1099. ± 32.	1.51 ± 0.13
	C	1660.	201.	1237. ± 35.	1.70 ± 0.15
	D	1170.	219.	1130. ± 34.	1.56 ± 0.13
	E	1260.	232.	2015. ± 55.	2.77 ± 0.24
V	A	2020.	170.	999. ± 34.	1.37 ± 0.12
	B	2010.	181.	868. ± 27.	1.19 ± 0.10
	C	2010.	195.	- -	- -
	D	2030.	210.	1199. ± 35.	1.65 ± 0.14
	E	1960.	228.	1880. ± 51.	2.59 ± 0.22

TAB. 64 : RESULTS OF EXPERIMENT NO. 18

PERIOD 2 20- 3-73 FROM 15.00 TO 15.30

TRACER: CCL4 EMISSION RATE: 1.94 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	440.	161.	965. ± 31.	1.30 ± 0.11
	B	385.	180.	1120. ± 33.	1.51 ± 0.13
	C	380.	195.	1264. ± 37.	1.71 ± 0.15
	D	365.	210.	3126. ± 80.	4.22 ± 0.36
	E	420.	233.	2585. ± 72.	3.49 ± 0.30
II	A	590.	173.	1240. ± 38.	1.67 ± 0.15
	B	585.	182.	937. ± 27.	1.27 ± 0.11
	C	600.	198.	1184. ± 33.	1.60 ± 0.14
	D	620.	211.	2080. ± 52.	2.81 ± 0.24
	E	590.	224.	2610. ± 70.	3.52 ± 0.30
III	A	850.	171.	492. ± 19.	0.66 ± 0.06
	B	815.	185.	577. ± 20.	0.78 ± 0.07
	C	790.	201.	765. ± 26.	1.03 ± 0.09
	D	805.	214.	1011. ± 29.	1.37 ± 0.12
	E	820.	223.	1869. ± 49.	2.52 ± 0.22
IV	A	1360.	172.	1281. ± 36.	1.73 ± 0.15
	B	1290.	191.	987. ± 31.	1.33 ± 0.12
	C	1660.	201.	1240. ± 36.	1.67 ± 0.15
	D	1170.	219.	1875. ± 53.	2.53 ± 0.22
	E	1260.	232.	1293. ± 36.	1.75 ± 0.15
V	A	2020.	170.	711. ± 24.	0.96 ± 0.09
	B	2010.	181.	924. ± 30.	1.25 ± 0.11
	C	2010.	195.	1170. ± 38.	1.58 ± 0.14
	D	2030.	210.	958. ± 33.	1.29 ± 0.12
	E	1960.	228.	933. ± 28.	1.26 ± 0.11

TAB. 65 : RESULTS OF EXPERIMENT NO. 18

PERIOD 3 20- 3-73 FROM 15.30 TO 16.00

TRACER: CCL4 EMISSION RATE: 1.94 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	440.	161.	900. ± 30.	1.53 ± 0.12
	B	385.	180.	3980. ± 90.	6.77 ± 0.48
	C	380.	195.	1370. ± 40.	2.33 ± 0.17
	D	365.	210.	6850. ± 170.	11.65 ± 0.84
	E	420.	233.	2400. ± 60.	4.08 ± 0.29
II	A	590.	173.	1500. ± 40.	2.55 ± 0.19
	B	585.	182.	2870. ± 70.	4.88 ± 0.35
	C	600.	198.	2370. ± 70.	4.03 ± 0.30
	D	620.	211.	2400. ± 60.	4.08 ± 0.29
	E	590.	224.	3720. ± 100.	6.33 ± 0.46
III	A	850.	171.	900. ± 30.	1.53 ± 0.12
	B	815.	185.	2130. ± 50.	3.62 ± 0.26
	C	790.	201.	1200. ± 30.	2.04 ± 0.15
	D	805.	214.	890. ± 30.	1.51 ± 0.11
	E	820.	223.	930. ± 30.	1.58 ± 0.12
IV	A	1360.	172.	360. ± 20.	0.61 ± 0.05
	B	1290.	191.	1040. ± 30.	1.77 ± 0.13
	C	1660.	201.	1140. ± 30.	1.94 ± 0.14
	D	1170.	219.	450. ± 20.	0.77 ± 0.06
	E	1260.	232.	960. ± 30.	1.63 ± 0.12
V	A	2020.	170.	540. ± 20.	0.92 ± 0.07
	B	2010.	181.	820. ± 30.	1.39 ± 0.11
	C	2010.	195.	690. ± 30.	1.17 ± 0.09
	D	2030.	210.	750. ± 30.	1.28 ± 0.10
	E	1960.	228.	530. ± 20.	0.90 ± 0.07

TAB. 66 : RESULTS OF EXPERIMENT NO. 19

PERIOD 1 22- 5-73 FROM 14.00 TO 14.30

TRACER: TRITIUM EMISSION RATE: 3.76 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	140.	82.	23. ± 11.	0.07 ± 0.04
	B	158.	99.	13. ± 10.	0.04 ± 0.03
	C	165.	122.	29. ± 10.	0.09 ± 0.03
	D	155.	142.	536. ± 37.	1.75 ± 0.21
	E	125.	161.	1734. ± 104.	5.65 ± 0.65
II	A	245.	90.	31. ± 10.	0.10 ± 0.04
	B	270.	105.	19. ± 10.	0.06 ± 0.03
	C	280.	117.	19. ± 10.	0.06 ± 0.03
	D	300.	129.	43. ± 11.	0.14 ± 0.04
	E	320.	144.	1442. ± 87.	4.70 ± 0.55
III	A	515.	85.	26. ± 10.	0.08 ± 0.03
	B	488.	99.	25. ± 10.	0.08 ± 0.03
	C	490.	114.	21. ± 10.	0.07 ± 0.03
	D	530.	130.	32. ± 10.	0.11 ± 0.03
	E	515.	148.	56. ± 11.	0.18 ± 0.04
IV	A	895.	68.	27. ± 10.	0.09 ± 0.03
	B	935.	94.	32. ± 10.	0.10 ± 0.03
	C	920.	113.	50. ± 11.	0.16 ± 0.04
	D	1030.	126.	23. ± 10.	0.08 ± 0.03
	E	810.	158.	25. ± 10.	0.08 ± 0.03
V	A	1230.	85.	19. ± 10.	0.06 ± 0.03
	B	1520.	100.	18. ± 10.	0.06 ± 0.03
	C	1320.	123.	14. ± 10.	0.04 ± 0.03
	D	1200.	139.	28. ± 10.	0.09 ± 0.03
	E	1180.	162.	18. ± 9.	0.06 ± 0.03

TAB. 67: RESULTS OF EXPERIMENT NO. 19

PERIOD 2 22- 5-73 FROM 14.30 TO 15.00

TRACER: TRITIUM EMISSION RATE: 3.76 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	140.	82.	7131. ± 409.	12.98 ± 1.87
	B	158.	99.	12188. ± 686.	22.18 ± 3.19
	C	165.	122.	11550. ± 659.	21.02 ± 3.03
	D	155.	142.	2565. ± 150.	4.67 ± 0.68
	E	125.	161.	455. ± 32.	0.83 ± 0.12
II	A	245.	90.	1464. ± 89.	2.66 ± 0.39
	B	270.	105.	2879. ± 168.	5.24 ± 0.76
	C	280.	117.	1904. ± 113.	3.47 ± 0.50
	D	300.	129.	2589. ± 152.	4.71 ± 0.68
	E	320.	144.	1647. ± 99.	3.00 ± 0.43
III	A	515.	85.	2084. ± 123.	3.79 ± 0.55
	B	488.	99.	2692. ± 158.	4.90 ± 0.71
	C	490.	114.	1161. ± 71.	2.11 ± 0.31
	D	530.	130.	851. ± 54.	1.55 ± 0.23
	E	515.	148.	553. ± 37.	1.01 ± 0.15
IV	A	895.	68.	53. ± 11.	0.10 ± 0.02
	B	935.	94.	38. ± 10.	0.07 ± 0.02
	C	920.	113.	40. ± 10.	0.07 ± 0.02
	D	1030.	126.	29. ± 10.	0.05 ± 0.02
	E	810.	158.	297. ± 23.	0.54 ± 0.08
V	A	1230.	85.	15. ± 9.	0.03 ± 0.02
	B	1520.	100.	≤ 11.	≤ 0.02
	C	1320.	123.	13. ± 9.	0.02 ± 0.02
	D	1200.	139.	28. ± 10.	0.05 ± 0.02
	E	1180.	162.	21. ± 9.	0.04 ± 0.02

TAB. 68 : RESULTS OF EXPERIMENT NO. 19

PERIOD 3 22- 5-73 FROM 15.00 TO 15.30

TRACER: TRITIUM EMISSION RATE: 3.76 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	140.	82.	679. ± 46.	1.50 ± 0.20
	B	158.	99.	871. ± 55.	1.92 ± 0.26
	C	165.	122.	330. ± 26.	0.73 ± 0.10
	D	155.	142.	227. ± 20.	0.50 ± 0.07
	E	125.	161.	226. ± 19.	0.50 ± 0.07
II	A	245.	90.	275. ± 22.	0.61 ± 0.09
	B	270.	105.	582. ± 39.	1.28 ± 0.17
	C	280.	117.	209. ± 18.	0.46 ± 0.07
	D	300.	129.	503. ± 35.	1.11 ± 0.15
	E	320.	144.	559. ± 38.	1.23 ± 0.17
III	A	515.	85.	188. ± 18.	0.41 ± 0.06
	B	488.	99.	432. ± 31.	0.95 ± 0.13
	C	490.	114.	236. ± 20.	0.52 ± 0.08
	D	530.	130.	150. ± 16.	0.33 ± 0.05
	E	515.	148.	481. ± 33.	1.06 ± 0.15
IV	A	895.	68.	39. ± 10.	0.09 ± 0.02
	B	935.	94.	34. ± 10.	0.08 ± 0.02
	C	920.	113.	21. ± 10.	0.05 ± 0.02
	D	1030.	126.	23. ± 10.	0.05 ± 0.02
	E	810.	158.	73. ± 12.	0.16 ± 0.03
V	A	1230.	85.	30. ± 10.	0.07 ± 0.02
	B	1520.	100.	14. ± 9.	0.03 ± 0.02
	C	1320.	123.	18. ± 9.	0.04 ± 0.02
	D	1200.	139.	39. ± 11.	0.09 ± 0.03
	E	1180.	162.	588. ± 39.	1.29 ± 0.18

TAB. 69: RESULTS OF EXPERIMENT NO. 19

PERIOD 1 22- 5-73 FROM 14.00 TO 14.30

TRACER: CCL4 EMISSION RATE: 1.43 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	140.	82.	130. ± 20.	0.31 ± 0.05
	B	158.	99.	130. ± 20.	0.31 ± 0.05
	C	165.	122.	140. ± 20.	0.33 ± 0.05
	D	155.	142.	1340. ± 50.	3.18 ± 0.24
	E	125.	161.	3040. ± 95.	7.21 ± 0.53
II	A	245.	90.	1230. ± 50.	2.92 ± 0.23
	B	270.	105.	530. ± 30.	1.26 ± 0.11
	C	280.	117.	220. ± 20.	0.52 ± 0.06
	D	300.	129.	170. ± 20.	0.40 ± 0.05
	E	320.	144.	- -	- -
III	A	515.	85.	≤ 32.	≤ 0.08
	B	488.	99.	400. ± 30.	0.95 ± 0.09
	C	490.	114.	44. ± 16.	0.10 ± 0.04
	D	530.	130.	70. ± 20.	0.17 ± 0.05
	E	515.	148.	≤ 32.	≤ 0.08
IV	A	895.	68.	500. ± 30.	1.19 ± 0.11
	B	935.	94.	670. ± 30.	1.59 ± 0.13
	C	920.	113.	≤ 32.	≤ 0.08
	D	1030.	126.	130. ± 20.	0.31 ± 0.05
	E	810.	158.	150. ± 20.	0.36 ± 0.05
V	A	1230.	85.	≤ 32.	≤ 0.08
	B	1520.	100.	≤ 32.	≤ 0.08
	C	1320.	123.	130. ± 20.	0.31 ± 0.05
	D	1200.	139.	130. ± 20.	0.31 ± 0.05
	E	1180.	162.	110. ± 17.	0.26 ± 0.04

TAB. 70: RESULTS OF EXPERIMENT NO. 19

PERIOD 2 22- 5-73 FROM 14.30 TO 15.00

TRACER: CCL4 EMISSION RATE: 1.43 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	140.	82.	23100. ± 650.	32.22 ± 3.48
	B	158.	99.	39000. ± 1000.	54.39 ± 5.85
	C	165.	122.	26200. ± 700.	36.54 ± 3.94
	D	155.	142.	6900. ± 200.	9.62 ± 1.04
	E	125.	161.	540. ± 29.	0.75 ± 0.09
II	A	245.	90.	750. ± 40.	1.05 ± 0.12
	B	270.	105.	9340. ± 270.	13.03 ± 1.41
	C	280.	117.	8130. ± 250.	11.34 ± 1.23
	D	300.	129.	4590. ± 150.	6.40 ± 0.70
	E	320.	144.	1850. ± 70.	2.58 ± 0.29
III	A	515.	85.	4640. ± 140.	6.47 ± 0.70
	B	488.	99.	7800. ± 240.	10.88 ± 1.18
	C	490.	114.	3300. ± 110.	4.60 ± 0.50
	D	530.	130.	1620. ± 65.	2.26 ± 0.25
	E	515.	148.	1350. ± 50.	1.88 ± 0.21
IV	A	895.	68.	170. ± 20.	0.24 ± 0.04
	B	935.	94.	590. ± 30.	0.82 ± 0.10
	C	920.	113.	220. ± 20.	0.31 ± 0.04
	D	1030.	126.	≤ 32.	≤ 0.04
	E	810.	158.	820. ± 40.	1.14 ± 0.13
V	A	1230.	85.	34. ± 15.	0.05 ± 0.02
	B	1520.	100.	175. ± 20.	0.24 ± 0.04
	C	1320.	123.	140. ± 20.	0.20 ± 0.03
	D	1200.	139.	345. ± 23.	0.48 ± 0.06
	E	1180.	162.	≤ 32.	≤ 0.04

TAB. 71: RESULTS OF EXPERIMENT NO. 19

PERIOD 3 22- 5-73 FROM 15.00 TO 15.30

TRACER: CCL4 EMISSION RATE: 1.43 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	140.	82.	80. ± 20.	0.13 ± 0.03
	B	158.	99.	80. ± 20.	0.13 ± 0.03
	C	165.	122.	175. ± 20.	0.28 ± 0.04
	D	155.	142.	230. ± 20.	0.37 ± 0.05
	E	125.	161.	235. ± 20.	0.38 ± 0.05
II	A	245.	90.	710. ± 30.	1.14 ± 0.12
	B	270.	105.	720. ± 35.	1.15 ± 0.12
	C	280.	117.	220. ± 20.	0.35 ± 0.05
	D	300.	129.	230. ± 20.	0.37 ± 0.05
	E	320.	144.	270. ± 20.	0.43 ± 0.05
III	A	515.	85.	≤ 32.	≤ 0.05
	B	488.	99.	41. ± 16.	0.07 ± 0.03
	C	490.	114.	≤ 32.	≤ 0.05
	D	530.	130.	360. ± 25.	0.58 ± 0.07
	E	515.	148.	≤ 32.	≤ 0.05
IV	A	895.	68.	100. ± 20.	0.16 ± 0.04
	B	935.	94.	70. ± 16.	0.11 ± 0.03
	C	920.	113.	43. ± 17.	0.07 ± 0.03
	D	1030.	126.	475. ± 30.	0.76 ± 0.09
	E	810.	158.	390. ± 25.	0.63 ± 0.07
V	A	1230.	85.	66. ± 18.	0.11 ± 0.03
	B	1520.	100.	44. ± 15.	0.07 ± 0.02
	C	1320.	123.	660. ± 32.	1.06 ± 0.11
	D	1200.	139.	300. ± 23.	0.48 ± 0.06
	E	1180.	162.	360. ± 24.	0.58 ± 0.07

TAB. 72 : RESULTS OF EXPERIMENT NO. 20

PERIOD 1 17- 7-73 FROM 14.00 TO 14.30

TRACER: CCL4 EMISSION RATE: 1.83 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	280.	30.	41. ± 17.	0.09 ± 0.04
	B	290.	41.	940. ± 38.	2.04 ± 0.15
	C	300.	49.	709. ± 33.	1.54 ± 0.12
	D	290.	60.	1360. ± 49.	2.95 ± 0.20
	E	300.	76.	805. ± 33.	1.75 ± 0.12
II	A	500.	24.	780. ± 34.	1.69 ± 0.12
	B	480.	38.	1696. ± 62.	3.68 ± 0.25
	C	480.	50.	3350. ± 106.	7.27 ± 0.48
	D	540.	61.	4485. ± 141.	9.73 ± 0.65
	E	560.	74.	3820. ± 115.	8.29 ± 0.55
III	A	760.	27.	402. ± 27.	0.87 ± 0.08
	B	810.	38.	1663. ± 62.	3.61 ± 0.25
	C	870.	50.	589. ± 29.	1.28 ± 0.10
	D	790.	61.	1960. ± 74.	4.25 ± 0.30
	E	810.	70.	1283. ± 48.	2.78 ± 0.19
IV	A	1210.	26.	≤ 32.	≤ 0.07
	B	1200.	34.	107. ± 18.	0.23 ± 0.04
	C	1200.	44.	652. ± 30.	1.41 ± 0.11
	D	1260.	68.	337. ± 23.	0.73 ± 0.07
	E	1130.	74.	536. ± 29.	1.16 ± 0.09
V	A	1520.	27.	≤ 32.	≤ 0.07
	B	1510.	40.	- -	- -
	C	1540.	43.	- -	- -
	D	1670.	62.	262. ± 22.	0.57 ± 0.06
	E	1610.	74.	947. ± 39.	2.05 ± 0.15

TAB. 73: RESULTS OF EXPERIMENT NO. 20

PERIOD 2 17- 7-73 FROM 14.30 TO 15.00

TRACER: CCL4 EMISSION RATE: 1.83 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	280.	30.	≤ 32.	≤ 0.07
	B	290.	41.	90. ± 22.	0.20 ± 0.05
	C	300.	49.	4890. ± 141.	10.61 ± 0.69
	D	290.	60.	1874. ± 61.	4.07 ± 0.27
	E	300.	76.	1180. ± 45.	2.56 ± 0.18
II	A	500.	24.	≤ 32.	≤ 0.07
	B	480.	38.	≤ 32.	≤ 0.07
	C	480.	50.	1058. ± 45.	2.30 ± 0.17
	D	540.	61.	839. ± 37.	1.82 ± 0.13
	E	560.	74.	888. ± 41.	1.93 ± 0.14
III	A	760.	27.	≤ 32.	≤ 0.07
	B	810.	38.	≤ 32.	≤ 0.07
	C	870.	50.	45. ± 17.	0.10 ± 0.04
	D	790.	61.	62. ± 17.	0.13 ± 0.04
	E	810.	70.	481. ± 27.	1.04 ± 0.08
IV	A	1210.	26.	178. ± 19.	0.39 ± 0.05
	B	1200.	34.	584. ± 29.	1.27 ± 0.10
	C	1200.	44.	469. ± 26.	1.02 ± 0.08
	D	1260.	68.	222. ± 20.	0.48 ± 0.05
	E	1130.	74.	281. ± 22.	0.61 ± 0.06
V	A	1520.	27.	≤ 32.	≤ 0.07
	B	1510.	40.	41. ± 17.	0.09 ± 0.04
	C	1540.	43.	≤ 32.	≤ 0.07
	D	1670.	62.	385. ± 25.	0.84 ± 0.07
	E	1610.	74.	≤ 32.	≤ 0.07

TAB. 74 : RESULTS OF EXPERIMENT NO. 20

PERIOD 3 17- 7-73 FROM 15.00 TO 15.30

TRACER: CCL4 EMISSION RATE: 2.74 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	280.	30.	717. ± 32.	1.05 ± 0.08
	B	290.	41.	4920. ± 145.	7.18 ± 0.47
	C	300.	49.	1580. ± 55.	2.31 ± 0.16
	D	290.	60.	92. ± 20.	0.13 ± 0.03
	E	300.	76.	638. ± 35.	0.93 ± 0.07
II	A	500.	24.	≤ 32.	≤ 0.05
	B	480.	38.	901. ± 42.	1.32 ± 0.10
	C	480.	50.	697. ± 36.	1.02 ± 0.08
	D	540.	61.	322. ± 28.	0.47 ± 0.05
	E	560.	74.	1304. ± 53.	1.90 ± 0.14
III	A	760.	27.	≤ 32.	≤ 0.05
	B	810.	38.	≤ 32.	≤ 0.05
	C	870.	50.	≤ 32.	≤ 0.05
	D	790.	61.	127. ± 19.	0.19 ± 0.03
	E	810.	70.	834. ± 38.	1.22 ± 0.09
IV	A	1210.	26.	≤ 32.	≤ 0.05
	B	1200.	34.	≤ 32.	≤ 0.05
	C	1200.	44.	≤ 32.	≤ 0.05
	D	1260.	68.	232. ± 22.	0.34 ± 0.04
	E	1130.	74.	385. ± 25.	0.56 ± 0.05
V	A	1520.	27.	≤ 32.	≤ 0.05
	B	1510.	40.	≤ 32.	≤ 0.05
	C	1540.	43.	166. ± 19.	0.24 ± 0.03
	D	1670.	62.	101. ± 18.	0.15 ± 0.03
	E	1610.	74.	≤ 32.	≤ 0.05

TAB. 75: RESULTS OF EXPERIMENT NO. 21

PERIOD 1 8- 8-73 FROM 14.00 TO 14.30

TRACER: CFCL3 EMISSION RATE: 4.01 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	440.	47.	71. ± 26.	0.10 ± 0.04
	B	440.	58.	237. ± 32.	0.34 ± 0.05
	C	460.	70.	115. ± 29.	0.16 ± 0.04
	D	500.	88.	133. ± 29.	0.19 ± 0.04
	E	470.	99.	1367. ± 78.	1.95 ± 0.14
II	A	560.	43.	- -	- -
	B	590.	56.	≤ 44.	≤ 0.06
	C	610.	70.	≤ 44.	≤ 0.06
	D	630.	84.	222. ± 39.	0.32 ± 0.06
	E	600.	95.	- -	- -
III	A	920.	48.	- -	- -
	B	900.	56.	561. ± 45.	0.80 ± 0.07
	C	870.	67.	≤ 44.	≤ 0.06
	D	960.	73.	625. ± 48.	0.89 ± 0.08
	E	920.	96.	781. ± 53.	1.12 ± 0.09
IV	A	1260.	43.	≤ 44.	≤ 0.06
	B	1250.	60.	≤ 44.	≤ 0.06
	C	1270.	71.	343. ± 36.	0.49 ± 0.06
	D	1240.	81.	500. ± 42.	0.71 ± 0.07
	E	1260.	94.	2010. ± 111.	2.87 ± 0.21
V	A	1440.	48.	≤ 44.	≤ 0.06
	B	1470.	55.	194. ± 30.	0.28 ± 0.04
	C	1470.	67.	1047. ± 65.	1.50 ± 0.12
	D	1490.	77.	≤ 44.	≤ 0.06
	E	1490.	92.	348. ± 36.	0.50 ± 0.06

TAB. 76: RESULTS OF EXPERIMENT NO. 21

PERIOD 2 8- 8-73 FROM 14.30 TO 15.00

TRACER: CFCL3 EMISSION RATE: 4.01 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	440.	47.	≤ 44.	≤ 0.06
	B	440.	58.	≤ 44.	≤ 0.06
	C	460.	70.	206. ± 30.	0.29 ± 0.04
	D	500.	88.	265. ± 34.	0.38 ± 0.05
	E	470.	99.	310. ± 35.	0.44 ± 0.05
II	A	560.	43.	61. ± 25.	0.09 ± 0.04
	B	590.	56.	89. ± 26.	0.13 ± 0.04
	C	610.	70.	365. ± 37.	0.52 ± 0.06
	D	630.	84.	5797. ± 285.	8.28 ± 0.56
	E	600.	95.	1368. ± 81.	1.96 ± 0.15
III	A	920.	48.	- -	- -
	B	900.	56.	648. ± 54.	0.93 ± 0.09
	C	870.	67.	282. ± 34.	0.40 ± 0.05
	D	960.	73.	439. ± 40.	0.63 ± 0.06
	E	920.	96.	648. ± 48.	0.93 ± 0.08
IV	A	1260.	43.	218. ± 32.	0.31 ± 0.05
	B	1250.	60.	≤ 44.	≤ 0.06
	C	1270.	71.	- -	- -
	D	1240.	81.	683. ± 50.	0.98 ± 0.08
	E	1260.	94.	223. ± 31.	0.32 ± 0.05
V	A	1440.	48.	311. ± 35.	0.44 ± 0.05
	B	1470.	55.	373. ± 38.	0.53 ± 0.06
	C	1470.	67.	≤ 44.	≤ 0.06
	D	1490.	77.	≤ 44.	≤ 0.06
	E	1490.	92.	228. ± 31.	0.33 ± 0.05

TAB. 77: RESULTS OF EXPERIMENT NO. 21

PERIOD 3 8- 8-73 FROM 15.00 TO 15.30

TRACER: CFCL3 EMISSION RATE: 4.01 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	440.	47.	188. ± 31.	0.27 ± 0.05
	B	440.	58.	172. ± 30.	0.25 ± 0.05
	C	460.	70.	126. ± 28.	0.18 ± 0.04
	D	500.	88.	178. ± 30.	0.26 ± 0.05
	E	470.	99.	674. ± 49.	0.99 ± 0.08
II	A	560.	43.	85. ± 29.	0.12 ± 0.04
	B	590.	56.	≤ 44.	≤ 0.06
	C	610.	70.	294. ± 34.	0.43 ± 0.05
	D	630.	84.	-	-
	E	600.	95.	303. ± 34.	0.44 ± 0.05
III	A	920.	48.	90. ± 28.	0.13 ± 0.04
	B	900.	56.	≤ 44.	≤ 0.06
	C	870.	67.	148. ± 30.	0.22 ± 0.05
	D	960.	73.	155. ± 28.	0.23 ± 0.04
	E	920.	96.	-	-
IV	A	1260.	43.	-	-
	B	1250.	60.	≤ 44.	≤ 0.06
	C	1270.	71.	210. ± 31.	0.31 ± 0.05
	D	1240.	81.	84. ± 26.	0.12 ± 0.04
	E	1260.	94.	135. ± 30.	0.20 ± 0.04
V	A	1440.	48.	82. ± 27.	0.12 ± 0.04
	B	1470.	55.	160. ± 29.	0.23 ± 0.04
	C	1470.	67.	≤ 44.	≤ 0.06
	D	1490.	77.	80. ± 25.	0.12 ± 0.04
	E	1490.	92.	204. ± 31.	0.30 ± 0.05

TAB. 78 : RESULTS OF EXPERIMENT NO. 22

PERIOD 1 25- 9-73 FROM 14.00 TO 14.30

TRACER: TRITIUM EMISSION RATE: 4.09 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	320.	11.	542. ± 32.	1.53 ± 0.18
	B	300.	20.	1168. ± 68.	3.29 ± 0.38
	C	300.	35.	4526. ± 258.	12.75 ± 1.48
	D	310.	47.	5291. ± 301.	14.90 ± 1.73
	E	275.	61.	3653. ± 209.	10.29 ± 1.20
II	A	635.	12.	1617. ± 93.	4.55 ± 0.53
	B	630.	20.	1281. ± 74.	3.61 ± 0.42
	C	615.	27.	2935. ± 168.	8.27 ± 0.96
	D	555.	45.	3311. ± 189.	9.33 ± 1.09
	E	595.	66.	3213. ± 183.	9.05 ± 1.05
III	A	790.	8.	139. ± 10.	0.39 ± 0.05
	B	775.	23.	1570. ± 90.	4.42 ± 0.52
	C	840.	39.	1144. ± 67.	3.22 ± 0.38
	D	935.	49.	1272. ± 74.	3.58 ± 0.42
	E	810.	60.	1276. ± 74.	3.59 ± 0.42
IV	A	1030.	11.	81. ± 7.	0.23 ± 0.03
	B	1020.	16.	313. ± 20.	0.88 ± 0.11
	C	1005.	29.	609. ± 36.	1.71 ± 0.20
	D	1030.	48.	701. ± 42.	1.97 ± 0.23
	E	1055.	59.	1622. ± 94.	4.57 ± 0.53
V	A	1515.	14.	30. ± 4.	0.08 ± 0.01
	B	1520.	25.	165. ± 11.	0.46 ± 0.06
	C	1560.	37.	247. ± 16.	0.70 ± 0.08
	D	1515.	45.	165. ± 11.	0.47 ± 0.06
	E	1520.	52.	201. ± 13.	0.57 ± 0.07

TAB. 79: RESULTS OF EXPERIMENT NO. 22

PERIOD 2 25- 9-73 FROM 14.30 TO 15.00

TRACER: TRITIUM EMISSION RATE: 4.09 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	320.	11.	85. ± 6.	0.28 ± C.03
	B	300.	20.	252. ± 16.	C.84 ± C.10
	C	300.	35.	470. ± 28.	1.57 ± 0.18
	D	310.	47.	2024. ± 116.	6.77 ± C.76
	E	275.	61.	2761. ± 158.	9.23 ± 1.03
II	A	635.	12.	743. ± 44.	2.49 ± C.28
	B	630.	20.	1000. ± 58.	3.35 ± C.38
	C	615.	27.	787. ± 46.	2.63 ± 0.30
	D	555.	45.	1252. ± 72.	4.19 ± C.47
	E	595.	66.	1430. ± 83.	4.78 ± C.54
III	A	790.	8.	89. ± 7.	0.30 ± C.04
	B	775.	23.	394. ± 24.	1.32 ± C.15
	C	840.	39.	469. ± 28.	1.57 ± C.18
	D	935.	49.	930. ± 54.	3.11 ± C.35
	E	810.	60.	917. ± 54.	3.07 ± C.34
IV	A	1030.	11.	74. ± 6.	0.25 ± C.03
	B	1020.	16.	2265. ± 130.	7.58 ± 0.85
	C	1005.	29.	243. ± 16.	0.81 ± 0.09
	D	1030.	48.	398. ± 24.	1.33 ± C.15
	E	1055.	59.	848. ± 50.	2.84 ± 0.32
V	A	1515.	14.	44. ± 5.	0.15 ± 0.02
	B	1520.	25.	193. ± 13.	C.64 ± C.08
	C	1560.	37.	245. ± 16.	0.82 ± 0.09
	D	1515.	45.	321. ± 20.	1.07 ± C.12
	E	1520.	52.	252. ± 16.	0.84 ± 0.10

TAB. 80: RESULTS OF EXPERIMENT NO. 22

PERIOD 3 25- 9-73 FROM 15.00 TO 15.30

TRACER: TRITIUM EMISSION RATE: 4.09 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	320.	11.	876. ± 52.	2.55 ± 0.30
	B	300.	20.	3515. ± 201.	10.21 ± 1.18
	C	300.	35.	2649. ± 152.	7.70 ± 0.89
	D	310.	47.	2002. ± 115.	5.81 ± 0.67
	E	275.	61.	3911. ± 223.	11.36 ± 1.31
II	A	635.	12.	847. ± 50.	2.46 ± 0.29
	B	630.	20.	1905. ± 110.	5.54 ± 0.64
	C	615.	27.	1354. ± 78.	3.93 ± 0.46
	D	555.	45.	2368. ± 136.	6.88 ± 0.79
	E	595.	66.	956. ± 56.	2.78 ± 0.32
III	A	790.	8.	67. ± 6.	0.19 ± 0.03
	B	775.	23.	1679. ± 97.	4.88 ± 0.56
	C	840.	39.	933. ± 54.	2.71 ± 0.31
	D	935.	49.	734. ± 43.	2.13 ± 0.25
	E	810.	60.	425. ± 26.	1.24 ± 0.14
IV	A	1030.	11.	115. ± 9.	0.34 ± 0.04
	B	1020.	16.	694. ± 41.	2.02 ± 0.23
	C	1005.	29.	458. ± 28.	1.33 ± 0.16
	D	1030.	48.	390. ± 24.	1.13 ± 0.13
	E	1055.	59.	219. ± 14.	0.63 ± 0.08
V	A	1515.	14.	98. ± 8.	0.28 ± 0.04
	B	1520.	25.	285. ± 18.	0.83 ± 0.10
	C	1560.	37.	254. ± 16.	0.74 ± 0.09
	D	1515.	45.	214. ± 14.	0.62 ± 0.07
	E	1520.	52.	417. ± 25.	1.21 ± 0.14

TAB. 81: RESULTS OF EXPERIMENT NO. 22

PERIOD 1 25- 9-73 FROM 14.00 TO 14.30

TRACER: CFCL3 EMISSION RATE: 3.80 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	320.	11.	4087. ± 228.	3.44 ± 0.31
	B	300.	20.	6249. ± 288.	5.26 ± 0.44
	C	300.	35.	19718. ± 793.	16.60 ± 1.33
	D	310.	47.	19880. ± 793.	16.74 ± 1.34
	E	275.	61.	20834. ± 838.	17.54 ± 1.41
II	A	635.	12.	4560. ± 229.	3.84 ± 0.33
	B	630.	20.	5128. ± 244.	4.32 ± 0.36
	C	615.	27.	9724. ± 415.	8.19 ± 0.67
	D	555.	45.	9916. ± 423.	8.35 ± 0.68
	E	595.	66.	16768. ± 711.	14.12 ± 1.15
III	A	790.	8.	324. ± 94.	0.27 ± 0.08
	B	775.	23.	4360. ± 222.	3.67 ± 0.32
	C	840.	39.	3277. ± 186.	2.76 ± 0.25
	D	935.	49.	3550. ± 207.	2.99 ± 0.27
	E	810.	60.	5346. ± 283.	4.50 ± 0.39
IV	A	1030.	11.	≤174.	≤ 0.15
	B	1020.	16.	699. ± 102.	0.59 ± 0.10
	C	1005.	29.	1803. ± 140.	1.52 ± 0.16
	D	1030.	48.	1738. ± 137.	1.46 ± 0.15
	E	1055.	59.	3858. ± 203.	3.25 ± 0.28
V	A	1515.	14.	211. ± 89.	0.18 ± 0.08
	B	1520.	25.	811. ± 105.	0.68 ± 0.10
	C	1560.	37.	1407. ± 120.	1.18 ± 0.13
	D	1515.	45.	454. ± 97.	0.38 ± 0.09
	E	1520.	52.	768. ± 104.	0.65 ± 0.10

TAB. 82: RESULTS OF EXPERIMENT NO. 22

PERIOD 2 25- 9-73 FROM 14.30 TO 15.00

TRACER: CFCL3 EMISSION RATE: 3.80 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	320.	11.	-	-
	B	300.	20.	365. ± 104.	0.36 ± 0.11
	C	300.	35.	1085. ± 130.	1.09 ± 0.15
	D	310.	47.	-	-
	E	275.	61.	-	-
II	A	635.	12.	7586. ± 341.	7.59 ± 0.57
	B	630.	20.	1883. ± 158.	1.88 ± 0.19
	C	615.	27.	846. ± 109.	0.85 ± 0.12
	D	555.	45.	602. ± 108.	0.60 ± 0.11
	E	595.	66.	2961. ± 174.	2.96 ± 0.25
III	A	790.	8.	≤174.	≤ 0.17
	B	775.	23.	1586. ± 126.	1.59 ± 0.16
	C	840.	39.	1921. ± 159.	1.92 ± 0.20
	D	935.	49.	3244. ± 182.	3.24 ± 0.27
	E	810.	60.	3925. ± 218.	3.92 ± 0.32
IV	A	1030.	11.	≤174.	≤ 0.17
	B	1020.	16.	3769. ± 202.	3.77 ± 0.30
	C	1005.	29.	514. ± 98.	0.51 ± 0.10
	D	1030.	48.	1002. ± 111.	1.00 ± 0.13
	E	1055.	59.	2089. ± 154.	2.09 ± 0.20
V	A	1515.	14.	≤174.	≤ 0.17
	B	1520.	25.	359. ± 92.	0.36 ± 0.09
	C	1560.	37.	722. ± 101.	0.72 ± 0.11
	D	1515.	45.	1458. ± 123.	1.46 ± 0.15
	E	1520.	52.	1387. ± 136.	1.39 ± 0.16

TAB. 83: RESULTS OF EXPERIMENT NO. 22

PERIOD 3 25- 9-73 FROM 15.00 TO 15.30

TRACER: CFCL3 EMISSION RATE: 3.80 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	320.	11.	1685. ± 136.	1.46 ± 0.15
	B	300.	20.	8290. ± 375.	7.20 ± 0.59
	C	300.	35.	6428. ± 364.	5.58 ± 0.49
	D	310.	47.	3758. ± 201.	3.26 ± 0.28
	E	275.	61.	10847. ± 464.	9.42 ± 0.75
II	A	635.	12.	9005. ± 390.	7.82 ± 0.63
	B	630.	20.	8553. ± 360.	7.43 ± 0.59
	C	615.	27.	8392. ± 359.	7.29 ± 0.58
	D	555.	45.	7808. ± 392.	6.78 ± 0.57
	E	595.	66.	≤174.	≤ 0.15
III	A	790.	8.	≤174.	≤ 0.15
	B	775.	23.	6392. ± 293.	5.55 ± 0.45
	C	840.	39.	7828. ± 361.	6.80 ± 0.56
	D	935.	49.	2426. ± 153.	2.11 ± 0.19
	E	810.	60.	1267. ± 125.	1.10 ± 0.13
IV	A	1030.	11.	225. ± 92.	0.20 ± 0.08
	B	1020.	16.	2235. ± 160.	1.94 ± 0.19
	C	1005.	29.	3917. ± 211.	3.40 ± 0.29
	D	1030.	48.	1397. ± 120.	1.21 ± 0.13
	E	1055.	59.	688. ± 109.	0.60 ± 0.10
V	A	1515.	14.	457. ± 97.	0.40 ± 0.09
	B	1520.	25.	1269. ± 108.	1.10 ± 0.12
	C	1560.	37.	1526. ± 127.	1.33 ± 0.14
	D	1515.	45.	618. ± 100.	0.54 ± 0.09
	E	1520.	52.	1852. ± 147.	1.61 ± 0.17

TAB. 84: RESULTS OF EXPERIMENT NO. 23

PERIOD 1 6-11-73 FROM 19.30 TO 20.00

TRACER: TRITIUM EMISSION RATE: 3.88 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	590.	60.	38. ± 4.	0.13 ± 0.02
	B	580.	67.	46. ± 5.	0.16 ± 0.02
	C	590.	78.	10. ± 3.	0.03 ± 0.01
	D	575.	83.	5. ± 3.	0.02 ± 0.01
	E	580.	98.	8. ± 3.	0.03 ± 0.01
II	A	980.	70.	147. ± 10.	0.51 ± 0.06
	B	1030.	73.	45. ± 5.	0.16 ± 0.02
	C	1040.	77.	12. ± 3.	0.04 ± 0.01
	D	1075.	81.	5. ± 3.	0.02 ± 0.01
	E	1015.	89.	9. ± 3.	0.03 ± 0.01
III	A	1680.	65.	16. ± 3.	0.05 ± 0.01
	B	1700.	70.	17. ± 3.	0.06 ± 0.01
	C	1495.	76.	24. ± 3.	0.08 ± 0.01
	D	1320.	86.	8. ± 3.	0.03 ± 0.01
	E	1520.	96.	6. ± 3.	0.02 ± 0.01
IV	A	2540.	62.	342. ± 21.	1.17 ± 0.13
	B	2510.	68.	118. ± 8.	0.40 ± 0.05
	C	2470.	77.	7. ± 3.	0.02 ± 0.01
	D	2520.	91.	8. ± 3.	0.03 ± 0.01
	E	2560.	98.	11. ± 3.	0.04 ± 0.01
V	A	4000.	66.	698. ± 41.	2.40 ± 0.27
	B	3990.	73.	41. ± 4.	0.14 ± 0.02
	C	3920.	80.	9. ± 3.	0.03 ± 0.01
	D	3980.	89.	5. ± 3.	0.02 ± 0.01
	E	4000.	95.	4. ± 3.	0.01 ± 0.01

TAB. 85: RESULTS OF EXPERIMENT NO. 23

PERIOD 2 6-11-73 FROM 20.00 TO 20.30

TRACER: TRITIUM EMISSION RATE: 3.88 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	590.	60.	20. ± 3.	0.09 ± 0.02
	B	580.	67.	28. ± 4.	0.12 ± 0.02
	C	590.	78.	14. ± 3.	0.06 ± 0.01
	D	575.	83.	7. ± 3.	0.03 ± 0.01
	E	580.	98.	14. ± 3.	0.06 ± 0.01
II	A	980.	70.	432. ± 26.	1.85 ± 0.20
	B	1030.	73.	294. ± 18.	1.25 ± 0.14
	C	1040.	77.	21. ± 3.	0.09 ± 0.02
	D	1075.	81.	7. ± 3.	0.03 ± 0.01
	E	1015.	89.	13. ± 3.	0.05 ± 0.01
III	A	1680.	65.	38. ± 4.	0.16 ± 0.02
	B	1700.	70.	13. ± 3.	0.05 ± 0.01
	C	1495.	76.	18. ± 3.	0.08 ± 0.01
	D	1320.	86.	8. ± 3.	0.03 ± 0.01
	E	1520.	96.	9. ± 3.	0.04 ± 0.01
IV	A	2540.	62.	586. ± 35.	2.50 ± 0.27
	B	2510.	68.	241. ± 15.	1.03 ± 0.11
	C	2470.	77.	9. ± 3.	0.04 ± 0.01
	D	2520.	91.	12. ± 3.	0.05 ± 0.01
	E	2560.	98.	10. ± 3.	0.04 ± 0.01
V	A	4000.	66.	1378. ± 80.	5.88 ± 0.63
	B	3990.	73.	162. ± 11.	0.69 ± 0.08
	C	3920.	80.	8. ± 3.	0.03 ± 0.01
	D	3980.	89.	10. ± 3.	0.04 ± 0.01
	E	4000.	95.	4. ± 2.	0.02 ± 0.01

TAB. 86 : RESULTS OF EXPERIMENT NO. 23

PERIOD 3 6-11-73 FROM 20.30 TO 21.00

TRACER: TRITIUM EMISSION RATE: 3.88 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	590.	60.	21. ± 3.	0.10 ± 0.02
	B	580.	67.	22. ± 3.	0.10 ± 0.02
	C	590.	78.	20. ± 3.	0.09 ± 0.02
	D	575.	83.	5. ± 3.	0.02 ± 0.01
	E	580.	98.	11. ± 3.	0.05 ± 0.01
II	A	980.	70.	208. ± 13.	0.96 ± 0.11
	B	1030.	73.	204. ± 13.	0.94 ± 0.10
	C	1040.	77.	115. ± 8.	0.53 ± 0.06
	D	1075.	81.	104. ± 8.	0.48 ± 0.06
	E	1015.	89.	23. ± 3.	0.11 ± 0.02
III	A	1680.	65.	62. ± 5.	0.29 ± 0.04
	B	1700.	70.	33. ± 4.	0.15 ± 0.02
	C	1495.	76.	15. ± 3.	0.07 ± 0.02
	D	1320.	86.	8. ± 3.	0.04 ± 0.01
	E	1520.	96.	5. ± 3.	0.02 ± 0.01
IV	A	2540.	62.	351. ± 21.	1.63 ± 0.18
	B	2510.	68.	329. ± 20.	1.53 ± 0.17
	C	2470.	77.	37. ± 4.	0.17 ± 0.02
	D	2520.	91.	10. ± 3.	0.05 ± 0.01
	E	2560.	98.	6. ± 3.	0.03 ± 0.01
V	A	4000.	66.	182. ± 12.	0.84 ± 0.09
	B	3990.	73.	676. ± 40.	3.13 ± 0.34
	C	3920.	80.	123. ± 9.	0.57 ± 0.07
	D	3980.	89.	7. ± 3.	0.03 ± 0.01
	E	4000.	95.	6. ± 2.	0.03 ± 0.01

TAB. 87: RESULTS OF EXPERIMENT NO. 23

PERIOD 1 6-11-73 FROM 19.30 TO 20.00

TRACER: CFCL3 EMISSION RATE: 3.89 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	590.	60.	1188. ± 95.	1.13 ± 0.11
	B	580.	67.	1772. ± 119.	1.69 ± 0.15
	C	590.	78.	2508. ± 147.	2.39 ± 0.20
	D	575.	83.	424. ± 71.	0.40 ± 0.07
	E	580.	98.	629. ± 74.	0.60 ± 0.08
II	A	980.	70.	544. ± 71.	0.52 ± 0.07
	B	1030.	73.	273. ± 62.	0.26 ± 0.06
	C	1040.	77.	557. ± 72.	0.53 ± 0.08
	D	1075.	81.	121. ± 57.	0.12 ± 0.05
	E	1015.	89.	343. ± 66.	0.33 ± 0.07
III	A	1680.	65.	263. ± 62.	0.25 ± 0.06
	B	1700.	70.	≤106.	≤ 0.10
	C	1495.	76.	≤106.	≤ 0.10
	D	1320.	86.	≤106.	≤ 0.10
	E	1520.	96.	130. ± 57.	0.12 ± 0.05
IV	A	2540.	62.	2585. ± 150.	2.46 ± 0.21
	B	2510.	68.	- -	- -
	C	2470.	77.	141. ± 58.	0.13 ± 0.06
	D	2520.	91.	≤106.	≤ 0.10
	E	2560.	98.	- -	- -
V	A	4000.	66.	2684. ± 154.	2.55 ± 0.22
	B	3990.	73.	141. ± 59.	0.13 ± 0.06
	C	3920.	80.	169. ± 60.	0.16 ± 0.06
	D	3980.	89.	≤106.	≤ 0.10
	E	4000.	95.	227. ± 60.	0.22 ± 0.06

TAB. 88: RESULTS OF EXPERIMENT NO. 23

PERIOD 2 6-11-73 FROM 20.00 TO 20.30

TRACER: CFCL3 EMISSION RATE: 3.89 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	590.	60.	1336. ± 102.	1.58 ± 0.15
	B	580.	67.	1306. ± 103.	1.54 ± 0.15
	C	590.	78.	526. ± 74.	0.62 ± 0.09
	D	575.	83.	1269. ± 102.	1.50 ± 0.14
	E	580.	98.	349. ± 66.	0.41 ± 0.08
II	A	980.	70.	1730. ± 117.	2.05 ± 0.18
	B	1030.	73.	1347. ± 103.	1.59 ± 0.15
	C	1040.	77.	409. ± 66.	0.48 ± 0.08
	D	1075.	81.	118. ± 57.	0.14 ± 0.07
	E	1015.	89.	299. ± 63.	0.35 ± 0.08
III	A	1680.	65.	530. ± 70.	0.63 ± 0.09
	B	1700.	70.	≤106.	≤ 0.13
	C	1495.	76.	308. ± 63.	0.36 ± 0.08
	D	1320.	86.	≤106.	≤ 0.13
	E	1520.	96.	≤106.	≤ 0.13
IV	A	2540.	62.	6789. ± 319.	8.03 ± 0.57
	B	2510.	68.	1567. ± 110.	1.85 ± 0.16
	C	2470.	77.	106. ± 56.	0.13 ± 0.07
	D	2520.	91.	≤106.	≤ 0.13
	E	2560.	98.	291. ± 63.	0.34 ± 0.08
V	A	4000.	66.	4661. ± 237.	5.51 ± 0.40
	B	3990.	73.	179. ± 63.	0.21 ± 0.08
	C	3920.	80.	347. ± 64.	0.41 ± 0.08
	D	3980.	89.	206. ± 60.	0.24 ± 0.07
	E	4000.	95.	≤106.	≤ 0.13

TAB. 89 : RESULTS OF EXPERIMENT NO. 23

PERIOD 3 6-11-73 FROM 20.30 TO 21.00

TRACER: CFCL3 EMISSION RATE: 3.89 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	590.	60.	730. ± 77.	0.94 ± 0.11
	B	580.	67.	3039. ± 167.	3.91 ± 0.29
	C	590.	78.	1313. ± 99.	1.69 ± 0.15
	D	575.	83.	674. ± 79.	0.87 ± 0.11
	E	580.	98.	548. ± 71.	0.70 ± 0.10
II	A	980.	70.	1415. ± 104.	1.82 ± 0.16
	B	1030.	73.	1483. ± 109.	1.91 ± 0.17
	C	1040.	77.	1155. ± 93.	1.48 ± 0.14
	D	1075.	81.	≤106.	≤ 0.14
	E	1015.	89.	684. ± 77.	0.88 ± 0.11
III	A	1680.	65.	818. ± 80.	1.05 ± 0.12
	B	1700.	70.	387. ± 67.	0.50 ± 0.09
	C	1495.	76.	≤106.	≤ 0.14
	D	1320.	86.	451. ± 68.	0.58 ± 0.09
	E	1520.	96.	≤106.	≤ 0.14
IV	A	2540.	62.	1444. ± 108.	1.86 ± 0.17
	B	2510.	68.	2126. ± 136.	2.73 ± 0.22
	C	2470.	77.	405. ± 67.	0.52 ± 0.09
	D	2520.	91.	309. ± 64.	0.40 ± 0.08
	E	2560.	98.	- -	- -
V	A	4000.	66.	205. ± 66.	0.26 ± 0.09
	B	3990.	73.	2432. ± 146.	3.13 ± 0.24
	C	3920.	80.	1764. ± 117.	2.27 ± 0.19
	D	3980.	89.	281. ± 62.	0.36 ± 0.08
	E	4000.	95.	≤106.	≤ 0.14

TAB. 90: RESULTS OF EXPERIMENT NO. 24

PERIOD 1 14- 5-74 FROM 14.30 TO 15.00

TRACER: TRITIUM EMISSION RATE: 3.91 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	330.	55.	10. ± 2.	0.09 ± 0.02
	B	310.	74.	17. ± 2.	0.14 ± 0.02
	C	310.	83.	49. ± 4.	0.41 ± 0.05
	D	290.	97.	27. ± 3.	0.22 ± 0.03
	E	290.	111.	≤ 2.	≤ 0.01
II	A	620.	54.	6. ± 2.	0.05 ± 0.02
	B	620.	65.	8. ± 2.	0.07 ± 0.02
	C	610.	76.	86. ± 6.	0.72 ± 0.08
	D	590.	87.	3274. ± 187.	27.14 ± 2.73
	E	570.	100.	3544. ± 202.	29.37 ± 2.96
	F	580.	112.	413. ± 25.	3.42 ± 0.35
III	A	970.	52.	43. ± 4.	0.36 ± 0.04
	B	1060.	74.	78. ± 6.	0.64 ± 0.07
	C	1040.	83.	1463. ± 84.	12.13 ± 1.22
	D	920.	95.	3849. ± 219.	31.90 ± 3.21
	E	900.	107.	660. ± 39.	5.47 ± 0.56
	F	950.	117.	7. ± 2.	0.06 ± 0.02
IV	A	1440.	56.	28. ± 3.	0.23 ± 0.03
	B	1440.	75.	44. ± 4.	0.37 ± 0.04
	C	1460.	89.	3014. ± 172.	24.98 ± 2.52
	D	1530.	99.	404. ± 24.	3.34 ± 0.34
	E	1590.	108.	11. ± 2.	0.09 ± 0.02
	F	1500.	114.	9. ± 2.	0.07 ± 0.02
V	A	1760.	54.	35. ± 3.	0.29 ± 0.04
	B	1670.	73.	29. ± 3.	0.24 ± 0.03
	C	1760.	89.	1448. ± 83.	12.00 ± 1.21
	D	1780.	105.	17. ± 3.	0.14 ± 0.02
	E	1780.	116.	8. ± 2.	0.07 ± 0.02

TAB. 91: RESULTS OF EXPERIMENT NO. 24

PERIOD 2 14- 5-74 FROM 15.00 TO 15.30

TRACER: TRITIUM EMISSION RATE: 3.91 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	330.	55.	10. ± 2.	0.06 ± 0.01
	B	310.	74.	16. ± 2.	0.11 ± 0.02
	C	310.	83.	103. ± 7.	0.67 ± 0.07
	D	290.	97.	20. ± 2.	0.13 ± 0.02
	E	290.	111.	28. ± 3.	0.18 ± 0.02
II	A	620.	54.	9. ± 2.	0.06 ± 0.01
	B	620.	65.	9. ± 2.	0.06 ± 0.01
	C	610.	76.	498. ± 29.	3.22 ± 0.33
	D	590.	87.	2077. ± 119.	13.45 ± 1.38
	E	570.	100.	2057. ± 118.	13.32 ± 1.36
	F	580.	112.	3526. ± 201.	22.82 ± 2.33
III	A	970.	52.	45. ± 4.	0.29 ± 0.03
	B	1060.	74.	438. ± 26.	2.84 ± 0.29
	C	1040.	83.	1778. ± 102.	11.51 ± 1.18
	D	920.	95.	1944. ± 111.	12.59 ± 1.29
	E	900.	107.	1503. ± 86.	9.73 ± 1.00
	F	950.	117.	27. ± 3.	0.17 ± 0.02
IV	A	1440.	56.	21. ± 3.	0.14 ± 0.02
	B	1440.	75.	99. ± 7.	0.64 ± 0.07
	C	1460.	89.	923. ± 54.	5.97 ± 0.61
	D	1530.	99.	1556. ± 89.	10.07 ± 1.03
	E	1590.	108.	621. ± 37.	4.02 ± 0.42
	F	1500.	114.	191. ± 12.	1.23 ± 0.13
V	A	1760.	54.	19. ± 2.	0.12 ± 0.02
	B	1670.	73.	56. ± 5.	0.36 ± 0.04
	C	1760.	89.	1034. ± 60.	6.69 ± 0.69
	D	1780.	105.	755. ± 44.	4.89 ± 0.50
	E	1780.	116.	28. ± 3.	0.18 ± 0.03

TAB. 92: RESULTS OF EXPERIMENT NO. 24

PERIOD 1 14- 5-74 FROM 14.30 TO 15.00

TRACER: CBR2F2 EMISSION RATE: 7.05 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	330.	55.	≤ 80.	≤ 0.10
	B	320.	65.	≤ 80.	≤ 0.10
	C	310.	74.	136. ± 53.	0.17 ± 0.07
	D	310.	80.	133. ± 51.	0.17 ± 0.07
	E	310.	83.	165. ± 55.	0.21 ± 0.07
	F	310.	90.	≤ 82.	≤ 0.10
	G	290.	97.	≤ 84.	≤ 0.11
	H	290.	104.	≤ 80.	≤ 0.10
	I	290.	111.	≤ 80.	≤ 0.10
II	A	620.	54.	≤ 61.	≤ 0.08
	B	620.	60.	≤ 68.	≤ 0.09
	C	610.	65.	≤ 61.	≤ 0.08
	D	610.	70.	105. ± 40.	0.13 ± 0.05
	E	610.	76.	705. ± 60.	0.90 ± 0.08
	F	590.	81.	- -	- -
	G	590.	87.	21655. ± 969.	27.64 ± 1.61
	H	580.	94.	26139. ± 1097.	33.37 ± 1.87
	I	570.	100.	21260. ± 892.	27.14 ± 1.52
	K	570.	106.	15061. ± 637.	19.23 ± 1.08
	L	580.	112.	2452. ± 101.	3.13 ± 0.17
III	A	970.	52.	≤ 60.	≤ 0.08
	B	880.	57.	110. ± 35.	0.14 ± 0.04
	C	1060.	74.	- -	- -
	D	970.	73.	- -	- -
	E	1040.	83.	9114. ± 382.	11.63 ± 0.65
	F	880.	89.	22791. ± 947.	29.09 ± 1.63
	G	920.	95.	27160. ± 1138.	34.67 ± 1.95
	H	890.	102.	17943. ± 700.	22.91 ± 1.24
	I	900.	107.	5246. ± 214.	6.70 ± 0.37
	K	920.	112.	171. ± 43.	0.22 ± 0.06
	L	950.	117.	123. ± 36.	0.16 ± 0.05
IV	A	1440.	56.	186. ± 44.	0.24 ± 0.06
	B	1370.	60.	- -	- -
	C	1440.	75.	213. ± 47.	0.27 ± 0.06
	D	1450.	79.	1217. ± 48.	1.55 ± 0.08
	E	1460.	89.	9909. ± 386.	12.65 ± 0.68
	F	1520.	93.	9321. ± 358.	11.90 ± 0.64
	G	1530.	99.	2882. ± 109.	3.68 ± 0.20
	H	1550.	103.	146. ± 37.	0.19 ± 0.05
	I	1590.	108.	≤ 69.	≤ 0.09
	K	1600.	112.	≤ 59.	≤ 0.08
	L	1500.	114.	≤ 65.	≤ 0.08
V	A	1760.	54.	≤ 59.	≤ 0.08
	B	1680.	64.	≤ 40.	≤ 0.05
	C	1670.	73.	94. ± 30.	0.12 ± 0.04
	D	1730.	79.	576. ± 54.	0.74 ± 0.07
	E	1760.	89.	5377. ± 223.	6.86 ± 0.38
	F	1740.	94.	6829. ± 289.	8.72 ± 0.49
	G	1780.	105.	272. ± 52.	0.35 ± 0.07
	H	1740.	111.	219. ± 42.	0.28 ± 0.05
	I	1780.	116.	219. ± 44.	0.28 ± 0.06

TAB. 93: RESULTS OF EXPERIMENT NO. 24

PERIOD 2 14- 5-74 FROM 15.00 TO 15.30

TRACER: CBR2F2 EMISSION RATE: 7.05 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	330.	55.	≤ 80.	≤ 0.08
	B	320.	65.	≤ 80.	≤ 0.08
	C	310.	74.	89. ± 40.	0.09 ± 0.04
	D	310.	80.	≤ 80.	≤ 0.08
	E	310.	83.	703. ± 70.	0.70 ± 0.08
	F	310.	90.	125. ± 51.	0.12 ± 0.05
	G	290.	97.	87. ± 40.	0.09 ± 0.04
	H	290.	104.	107. ± 51.	0.11 ± 0.05
	I	290.	111.	≤ 80.	≤ 0.08
II	A	620.	54.	≤ 80.	≤ 0.08
	B	620.	60.	86. ± 40.	0.09 ± 0.04
	C	610.	65.	99. ± 47.	0.10 ± 0.05
	D	610.	70.	133. ± 52.	0.13 ± 0.05
	E	610.	76.	-	-
	F	590.	81.	4337. ± 177.	4.32 ± 0.25
	G	590.	87.	8255. ± 382.	8.23 ± 0.51
	H	580.	94.	21842. ± 905.	21.78 ± 1.27
	I	570.	100.	26006. ± 1089.	25.93 ± 1.53
	K	570.	106.	17163. ± 707.	17.11 ± 1.00
	L	580.	112.	-	-
III	A	970.	52.	242. ± 53.	0.24 ± 0.05
	B	880.	57.	283. ± 55.	0.28 ± 0.06
	C	1060.	74.	2307. ± 136.	2.30 ± 0.17
	D	970.	73.	837. ± 74.	0.83 ± 0.08
	E	1040.	83.	4979. ± 198.	4.96 ± 0.28
	F	880.	89.	7309. ± 290.	7.29 ± 0.42
	G	920.	95.	-	-
	H	890.	102.	14959. ± 622.	14.92 ± 0.87
	I	900.	107.	12583. ± 505.	12.55 ± 0.72
	K	920.	112.	8849. ± 352.	8.82 ± 0.51
	L	950.	117.	-	-
IV	A	1440.	56.	≤ 81.	≤ 0.08
	B	1370.	60.	≤ 84.	≤ 0.08
	C	1440.	75.	1005. ± 83.	1.00 ± 0.09
	D	1450.	79.	1469. ± 61.	1.46 ± 0.09
	E	1460.	89.	4612. ± 171.	4.60 ± 0.26
	F	1520.	93.	7578. ± 281.	7.56 ± 0.42
	G	1530.	99.	7338. ± 286.	7.32 ± 0.42
	H	1550.	103.	6897. ± 247.	6.88 ± 0.38
	I	1590.	108.	3618. ± 145.	3.61 ± 0.21
	K	1600.	112.	3912. ± 159.	3.90 ± 0.23
	L	1500.	114.	1376. ± 59.	1.37 ± 0.08
V	A	1760.	54.	≤ 84.	≤ 0.08
	B	1680.	64.	114. ± 52.	0.11 ± 0.05
	C	1670.	73.	240. ± 55.	0.24 ± 0.06
	D	1730.	79.	804. ± 73.	0.80 ± 0.08
	E	1760.	89.	4674. ± 216.	4.66 ± 0.29
	F	1740.	94.	7055. ± 290.	7.03 ± 0.41
	G	1780.	105.	4832. ± 198.	4.82 ± 0.28
	H	1740.	111.	837. ± 74.	0.83 ± 0.08
	I	1780.	116.	-	-

TAB. 94: RESULTS OF EXPERIMENT NO. 25

PERIOD 1 9- 7-74 FROM 15.30 TO 16.00

TRACER: TRITIUM EMISSION RATE: 3.90 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	420.	20.	24. ± 4.	0.20 ± 0.04
	B	420.	37.	30. ± 5.	0.26 ± 0.04
	C	440.	52.	42. ± 5.	0.36 ± 0.05
	D	430.	70.	601. ± 37.	5.11 ± 0.53
	E	450.	82.	34. ± 5.	0.29 ± 0.05
II	A	610.	18.	39. ± 5.	0.33 ± 0.05
	B	570.	45.	29. ± 4.	0.25 ± 0.04
	C	580.	59.	59. ± 6.	0.50 ± 0.07
	D	600.	69.	1303. ± 76.	11.07 ± 1.12
	E	560.	80.	1412. ± 82.	11.99 ± 1.22
	F	540.	85.	640. ± 39.	5.44 ± 0.56
III	A	770.	17.	45. ± 5.	0.38 ± 0.05
	B	790.	32.	47. ± 5.	0.40 ± 0.06
	C	720.	49.	42. ± 5.	0.35 ± 0.05
	D	820.	63.	202. ± 14.	1.71 ± 0.18
	E	1090.	82.	1513. ± 88.	12.85 ± 1.30
	F	1030.	86.	1009. ± 59.	8.57 ± 0.87
IV	A	1300.	17.	30. ± 4.	0.25 ± 0.04
	B	1320.	29.	30. ± 4.	0.26 ± 0.04
	C	1250.	44.	73. ± 7.	0.62 ± 0.08
	D	1360.	62.	362. ± 23.	3.08 ± 0.32
	E	1250.	76.	1038. ± 61.	8.82 ± 0.90
	F	1250.	85.	581. ± 35.	4.93 ± 0.51
V	A	1960.	17.	23. ± 4.	0.20 ± 0.04
	B	1900.	32.	57. ± 6.	0.48 ± 0.06
	C	1980.	49.	41. ± 5.	0.35 ± 0.05
	D	2040.	65.	467. ± 29.	3.97 ± 0.41
	E	2040.	79.	1039. ± 61.	8.83 ± 0.90

TAB. 95: RESULTS OF EXPERIMENT NO. 25

PERIOD 2 9- 7-74 FROM 16.00 TO 16.30

TRACER: TRITIUM EMISSION RATE: 3.90 CI/H

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (PCI/M**3)	NORM. DIFFUSION FAKTOR 1.E-06 1/M**2
I	A	420.	20.	≤ 4.	≤ 0.04
	B	420.	37.	≤ 4.	≤ 0.04
	C	440.	52.	37. ± 5.	0.37 ± 0.06
	D	430.	70.	82. ± 8.	0.81 ± 0.10
	E	450.	82.	34. ± 5.	0.33 ± 0.05
II	A	610.	18.	≤ 4.	≤ 0.04
	B	570.	45.	34. ± 5.	0.33 ± 0.05
	C	580.	59.	125. ± 10.	1.23 ± 0.14
	D	600.	69.	552. ± 34.	5.40 ± 0.55
	E	560.	80.	163. ± 12.	1.59 ± 0.18
	F	540.	85.	205. ± 14.	2.00 ± 0.22
III	A	770.	17.	≤ 4.	≤ 0.04
	B	790.	32.	≤ 4.	≤ 0.04
	C	720.	49.	49. ± 5.	0.47 ± 0.07
	D	820.	63.	163. ± 12.	1.59 ± 0.17
	E	1090.	82.	188. ± 13.	1.84 ± 0.20
	F	1030.	86.	154. ± 11.	1.51 ± 0.17
IV	A	1300.	17.	≤ 4.	≤ 0.04
	B	1320.	29.	≤ 4.	≤ 0.04
	C	1250.	44.	≤ 4.	≤ 0.04
	D	1360.	62.	141. ± 11.	1.38 ± 0.15
	E	1250.	76.	311. ± 20.	3.04 ± 0.32
	F	1250.	85.	164. ± 12.	1.61 ± 0.18
V	A	1960.	17.	≤ 4.	≤ 0.04
	B	1900.	32.	≤ 4.	≤ 0.04
	C	1980.	49.	32. ± 5.	0.32 ± 0.05
	D	2040.	65.	98. ± 8.	0.96 ± 0.11
	E	2040.	79.	160. ± 12.	1.57 ± 0.17

TAB. 96: RESULTS OF EXPERIMENT NO. 25

PERIOD 1 9- 7-74 FROM 15.30 TO 16.00

TRACER: CBR2F2 EMISSION RATE: 8.20 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	420.	20.	≤ 81.	≤ 0.09
	B	420.	30.	- -	- -
	C	420.	37.	≤ 87.	≤ 0.10
	D	430.	45.	106. ± 29.	0.12 ± 0.03
	E	440.	52.	161. ± 30.	0.18 ± 0.03
	F	440.	62.	294. ± 33.	0.33 ± 0.04
	G	430.	70.	- -	- -
	H	440.	78.	- -	- -
	I	450.	82.	≤ 95.	≤ 0.11
	K	480.	83.	237. ± 32.	0.27 ± 0.04
II	A	610.	18.	≤ 60.	≤ 0.07
	B	620.	25.	121. ± 30.	0.14 ± 0.03
	C	570.	45.	201. ± 32.	0.23 ± 0.04
	D	570.	51.	110. ± 30.	0.12 ± 0.03
	E	580.	59.	278. ± 33.	0.31 ± 0.04
	F	580.	65.	2477. ± 94.	2.78 ± 0.15
	G	600.	69.	3469. ± 131.	3.89 ± 0.21
	H	590.	74.	3103. ± 132.	3.48 ± 0.20
	I	560.	80.	4232. ± 169.	4.75 ± 0.26
	K	540.	85.	6410. ± 244.	7.19 ± 0.38
III	A	720.	49.	≤ 76.	≤ 0.09
	B	780.	59.	122. ± 30.	0.14 ± 0.03
	C	820.	63.	1162. ± 116.	1.30 ± 0.14
	D	960.	74.	5380. ± 201.	6.04 ± 0.32
	E	1090.	82.	8722. ± 329.	9.79 ± 0.52
	F	1030.	86.	4767. ± 190.	5.35 ± 0.29
IV	A	1250.	44.	≤ 92.	≤ 0.10
	B	1290.	48.	≤ 81.	≤ 0.09
	C	1360.	62.	4391. ± 162.	4.93 ± 0.26
	D	1290.	68.	- -	- -
	E	1250.	76.	5009. ± 190.	5.62 ± 0.30
	F	1250.	85.	3915. ± 152.	4.39 ± 0.24
V	A	1980.	49.	≤ 39.	≤ 0.04
	B	2070.	56.	74. ± 20.	0.08 ± 0.02
	C	2040.	65.	3469. ± 128.	3.89 ± 0.20
	D	1980.	72.	5337. ± 207.	5.99 ± 0.32
	E	2040.	79.	3771. ± 130.	4.23 ± 0.21
	F	1990.	85.	1630. ± 66.	1.83 ± 0.10

TAB. 97: RESULTS OF EXPERIMENT NO. 25

PERIOD 2 9- 7-74 FROM 16.00 TO 16.30

TRACER: CBR2F2 EMISSION RATE: 8.20 G/S

POSITION		R (M)	ALPHA (DEGREE)	MEASURED CONCENTRATION (NG/M**3)	NORM. DIFFUSION FACTOR 1.E-06 1/M**2
I	A	420.	20.	-	-
	B	420.	30.	-	-
	C	420.	37.	-	-
	D	430.	45.	-	-
	E	440.	52.	-	-
	F	440.	62.	-	-
	G	430.	70.	-	-
	H	440.	78.	≤ 92.	≤ 0.12
	I	450.	82.	≤ 80.	≤ 0.10
	K	480.	83.	≤ 67.	≤ 0.09
II	A	610.	18.	-	-
	B	620.	25.	-	-
	C	570.	45.	-	-
	D	570.	51.	≤ 94.	≤ 0.12
	E	580.	59.	≤ 81.	≤ 0.10
	F	580.	65.	≤103.	≤ 0.13
	G	600.	69.	207. ± 30.	0.27 ± 0.04
	H	590.	74.	269. ± 33.	0.35 ± 0.04
	I	560.	80.	230. ± 32.	0.30 ± 0.04
	K	540.	85.	333. ± 34.	0.43 ± 0.05
III	A	720.	49.	-	-
	B	780.	59.	-	-
	C	820.	63.	≤ 88.	≤ 0.11
	D	960.	74.	≤ 41.	≤ 0.05
	E	1090.	82.	225. ± 30.	0.29 ± 0.04
	F	1030.	86.	880. ± 39.	1.14 ± 0.06
IV	A	1250.	44.	-	-
	B	1290.	48.	≤ 41.	≤ 0.05
	C	1360.	62.	74. ± 20.	0.10 ± 0.03
	D	1290.	68.	116. ± 22.	0.15 ± 0.03
	E	1250.	76.	-	-
	F	1250.	85.	592. ± 36.	0.77 ± 0.05
V	A	1980.	49.	-	-
	B	2070.	56.	≤ 49.	≤ 0.06
	C	2040.	65.	≤ 51.	≤ 0.07
	D	1980.	72.	464. ± 30.	0.60 ± 0.04
	E	2040.	79.	≤ 47.	≤ 0.06
	F	1990.	85.	528. ± 29.	0.68 ± 0.04

TAB. 98 : METEOROLOGICAL DATA OF EXPERIMENT NO. 1

		HEIGHT (M)	14.50	15. 0	15.10	15.20	15.30	15.40
WIND DIRECTION (DEGREE)		40	****	****	****	****	****	****
		60	240	240	230	230	230	230
		100	****	****	****	****	****	****
WIND SPEED (M/S)		40	4.9	4.2	5.1	5.3	5.3	4.2
		60	5.9	5.0	6.0	6.2	6.4	5.5
		100	7.4	6.4	7.4	8.6	8.0	7.6
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****	****	****
	HORIZONTAL		****	****	****	****	****	****
	VERTICAL	100	****	****	****	****	****	****
	HORIZONTAL		****	****	****	****	****	****
TEMPERATURE GRADIENT (K/100M)		30/100	****	****	****	****	****	****
NET RADIATION (MW/CM**2)			****	****	****	****	****	****
WIND PROFILE EXPONENT			0.33	0.38	0.36	0.39	0.36	0.43
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION				****			
	TEMPERATURE GRADIENT				****			
	WIND PROFILE				D			
	SYNOPTIC OBSERVATION				D			

TAB. 99 : METEOROLOGICAL DATA OF EXPERIMENT NO. 3

		HEIGHT (M)	1.SAMPLING PERIOD 10.40	10.50	11. 0	2.SAMPLING PERIOD 11.10	11.20	11.30	3.SAMPLING PERIOD 11.40	11.50	12. 0	4.SAMPLING PERIOD
WIND DIRECTION (DEGREE)		40	****	****	****	****	****	****	****	****	****	
		60	90	70	70	80	80	80	70	60	70	
		100	80	60	60	70	70	70	70	60	70	
WIND SPEED (M/S)		40	2.6	2.9	3.5	3.8	4.0	3.6	2.1	4.3	4.2	
		60	4.0	3.5	4.0	4.3	4.6	4.2	2.9	4.4	4.6	
		100	4.4	4.1	4.5	4.8	5.3	4.9	3.7	5.0	5.2	
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****	****	****	****	****	****	
	HORIZONTAL	40	****	****	****	****	****	****	****	****	****	
	VERTICAL	100	****	****	****	****	****	****	****	****	****	
	HORIZONTAL	100	****	****	****	****	****	****	****	****	****	
TEMPERATURE GRADIENT (K/100M)		30/100	****	****	****	****	****	****	****	****	****	
NET RADIATION (MW/CM**2)			****	****	****	****	****	****	****	****	****	
WIND PROFILE EXPONENT			0.26	0.25	0.18	0.18	0.23	0.20	0.35	0.13	0.20	
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION		****			****			****			
	TEMPERATURE GRADIENT		****			****			****			
	WIND PROFILE		D			C			C			
	SYNOPTIC OBSERVATION		C			C			C			
			1.SAMPLING PERIOD			2.SAMPLING PERIOD			3.SAMPLING PERIOD			4.SAMPLING PERIOD

TAB. 100: METEOROLOGICAL DATA OF EXPERIMENT NO. 5

		HEIGHT (M)	1.PERIOD 11.10	1.PERIOD 11.20	2.PERIOD 11.30	2.PERIOD 11.40	3.PERIOD	4.PERIOD	5.PERIOD	6.PERIOD
WIND DIRECTION (DEGREE)		40	****	****	****	****				
		60	60	60	60	60				
		100	60	60	60	60				
WIND SPEED (M/S)		40	****	****	****	****				
		60	4.5	4.6	4.6	4.6				
		100	4.6	4.7	4.7	4.9				
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****				
	HORIZONTAL		****	****	****	****				
	VERTICAL	100	****	****	****	****				
	HORIZONTAL		****	****	****	****				
TEMPERATURE GRADIENT (K/10CM)		30/100	****	****	****	****				
NET RADIATION (MW/CM**2)			****	****	****	****				
WIND PROFILE EXPONENT			0.15	0.12	0.12	0.11				
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION		****		****					
	TEMPERATURE GRADIENT		****		****					
	WIND PROFILE		B		B					
	SYNOPTIC OBSERVATION		B		B					
			1.PERIOD		2.PERIOD		3.PERIOD	4.PERIOD	5.PERIOD	6.PERIOD

TAB. 101: METEOROLOGICAL DATA OF EXPERIMENT NO. 6

		HEIGHT (M)	1.PERIOD 11.10	11.20	2.PERIOD 11.30	11.40	3.PERIOD 11.50	12.00	4.PERIOD 12.10	12.20	5.PERIOD 12.30	12.40	6.PERIOD 12.50	13.00
WIND DIRECTION	(DEGREE)	40	****	****	****	****	****	****	****	****	****	****	****	****
		60	210	220	210	210	230	220	220	220	220	220	210	210
		100	210	220	210	210	230	210	210	220	220	220	210	210
WIND SPEED	(M/S)	40	4.5	4.2	5.5	5.4	4.6	4.8	5.2	5.2	5.2	5.9	4.1	2.9
		60	5.1	4.7	6.3	6.5	5.3	5.4	6.0	6.1	5.8	6.5	4.9	3.5
		100	5.8	5.7	7.2	7.3	5.7	5.9	6.6	6.9	6.7	7.1	5.4	3.9
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****	****	****	****	****	****	****	****	****
	HORIZONTAL	40	****	****	****	****	****	****	****	****	****	****	****	****
	VERTICAL	100	****	****	****	****	****	****	****	****	****	****	****	****
	HORIZONTAL	100	****	****	****	****	****	****	****	****	****	****	****	****
TEMPERATURE GRADIENT (K/100M)		30/100	****	****	****	****	****	****	****	****	****	****	****	****
NET RADIATION	(MW/CM**2)		****	****	****	****	****	****	****	****	****	****	****	****
WIND PROFILE EXPONENT			0.19	0.20	0.21	0.22	0.19	0.16	0.20	0.20	0.21	0.15	0.21	0.20
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION		****		****		****		****		****		****	
	TEMPERATURE GRADIENT		****		****		****		****		****		****	
	WIND PROFILE		C		C		C		C		C		C	
	SYNOPTIC OBSERVATION		C		C		C		C		C		C	
			1.PERIOD		2.PERIOD		3.PERIOD		4.PERIOD		5.PERIOD		6.PERIOD	

TAB. 102: METEOROLOGICAL DATA OF EXPERIMENT NO. 7

		HEIGHT (M)	1.PERIOD 14.10	14.20	2.PERIOD 14.30	14.40	3.PERIOD 14.50	15. 0	4.PERIOD 15.10	15.20	5.PERIOD 15.30	15.40	6.PERIOD
WIND DIRECTION (DEGREE)		40	****	****	****	****	****	****	****	****	****	****	
		60	230	230	220	220	220	220	220	220	220	220	
		100	220	230	230	220	230	230	220	220	220	220	
WIND SPEED (M/S)		40	4.9	5.4	4.7	5.1	4.8	5.5	5.5	5.6	4.8	4.8	
		60	5.8	6.3	5.4	6.1	5.8	6.2	6.6	6.3	5.7	5.9	
		100	6.6	7.6	6.6	6.8	6.6	7.0	7.9	7.1	6.6	7.2	
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****	****	****	****	****	****	****	
	HORIZONTAL	40	****	****	****	****	****	****	****	****	****	****	
	VERTICAL	100	****	****	****	****	****	****	****	****	****	****	
	HORIZONTAL	100	****	****	****	****	****	****	****	****	****	****	
TEMPERATURE GRADIENT (K/100M)		30/100	****	****	****	****	****	****	****	****	****	****	
NET RADIATION (MW/CM**2)			****	****	****	****	****	****	****	****	****	****	
WIND PROFILE EXPONENT			0.23	0.23	0.25	0.21	0.26	0.22	0.26	0.21	0.26	0.32	
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION		****		****		****		****		****		
	TEMPERATURE GRADIENT		****		****		****		****		****		
	WIND PROFILE		D		D		D		D		D		
	SYNOPTIC OBSERVATION		D		D		D		D		D		
			1.PERIOD		2.PERIOD		3.PERIOD		4.PERIOD		5.PERIOD		6.PERIOD

TAB. 103 : METEOROLOGICAL DATA OF EXPERIMENT NO. 8

		HEIGHT (M)	1.PERIOD 10.10	10.20	2.PERIOD 10.30	10.40	3.PERIOD 10.50	11. 0	4.PERIOD 11.10	11.20	5.PERIOD 11.30	11.40	6.PERIOD 11.50	12. 0
WIND DIRECTION (DEGREE)		40	2	355	329	353	342	342	359	6	342	324	345	336
		60	359	353	331	354	351	345	352	359	337	326	339	333
		100	1	357	339	356	360	349	354	2	339	331	334	335
WIND SPEED (M/S)		40	4.1	4.1	4.2	3.0	3.0	3.4	2.9	3.7	3.0	4.2	4.0	3.4
		60	4.4	4.4	4.4	3.3	3.4	3.6	3.1	4.3	3.4	4.5	4.3	3.9
		100	4.9	4.8	4.4	3.8	3.3	4.0	3.7	4.5	3.8	5.0	4.7	4.3
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****	****	****	****	****	****	****	****	****
	HORIZONTAL	40	****	****	****	****	****	****	****	****	****	****	****	****
	VERTICAL	100	****	****	****	****	****	****	****	****	****	****	****	****
	HORIZONTAL	100	****	****	****	****	****	****	****	****	****	****	****	****
TEMPERATURE GRADIENT (K/100M)		30/100	****	****	****	****	****	****	****	****	****	****	****	****
NET RADIATION (MW/CM**2)			****	****	****	****	****	****	****	****	****	****	****	****
WIND PROFILE EXPONENT			0.10	0.12	0.09	0.16	0.11	0.16	0.22	0.10	0.20	0.12	0.12	0.13
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION		****		****		****		****		****		****	
	TEMPERATURE GRADIENT		****		****		****		****		****		****	
	WIND PROFILE		B		B		C		C		C		B	
	SYNOPTIC OBSERVATION		C		C		C		C		C		C	
			1.PERIOD		2.PERIOD		3.PERIOD		4.PERIOD		5.PERIOD		6.PERIOD	

TAB. 104: METEOROLOGICAL DATA OF EXPERIMENT NO. 9

		HEIGHT (M)	1.PERIOD 10.50	11. 0	2.PERIOD 11.10	11.20	3.PERIOD 11.30	11.40	4.PERIOD 11.50	12. 0	5.PERIOD 12.10	12.20	6.PERIOD 12.30	12.40
WIND DIRECTION	(DEGREE)	40	258	263	293	288	267	284	296	39	330	342	276	284
		60	252	263	285	285	262	280	300	41	327	333	280	287
		100	253	252	281	298	268	287	316	351	340	324	291	293
WIND SPEED	(M/S)	40	2.6	2.6	2.5	2.2	2.5	2.0	2.0	1.6	1.6	1.8	1.8	2.2
		60	2.9	2.6	2.8	2.2	2.6	2.3	2.2	1.3	1.7	2.0	1.7	2.5
		100	3.2	3.3	3.0	2.0	2.8	2.5	2.4	1.7	2.0	2.4	1.9	2.4
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****	****	****	****	****	****	****	****	****
	HORIZONTAL	40	****	****	****	****	****	****	****	****	****	****	****	****
	VERTICAL	100	****	****	****	****	****	****	****	****	****	****	****	****
	HORIZONTAL	100	****	****	****	****	****	****	****	****	****	****	****	****
TEMPERATURE GRADIENT (K/100M)		30/100	-3.1	-2.5	-2.8	-2.8	-2.6	-2.3	-2.7	-2.4	-2.3	-2.3	-2.6	-2.7
NET RADIATION	(MW/CM**2)		34.1	36.4	41.6	28.6	44.6	30.6	33.1	19.0	20.3	25.2	28.2	22.2
WIND PROFILE EXPONENT			0.08	0.13	0.00	-.11	0.02	0.02	0.08	0.08	0.09	0.09	-.06	-.05
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION		****		****		****		****		****		****	
	TEMPERATURE GRADIENT		A		A		A		A		A		A	
	WIND PROFILE		B		A		A		B		B		A	
	SYNOPTIC OBSERVATION		B		B		B		B		B		B	
			1.PERIOD		2.PERIOD		3.PERIOD		4.PERIOD		5.PERIOD		6.PERIOD	

TAB. 105: METEOROLOGICAL DATA OF EXPERIMENT NO. 10

		HEIGHT (M)	1.PERIOD 11.10	1.PERIOD 11.20	2.PERIOD 11.30	2.PERIOD 11.40	3.PERIOD 11.50	3.PERIOD 12. 0	4.PERIOD 12.10	4.PERIOD 12.20	5.PERIOD 12.30	5.PERIOD 12.40	6.PERIOD
WIND DIRECTION (DEGREE)		40	20	44	28	43	20	16	15	24	358	358	
		60	16	42	26	41	16	12	10	17	356	352	
		100	21	41	29	41	16	13	11	22	354	353	
WIND SPEED (M/S)		40	6.8	5.3	5.4	4.6	5.3	5.2	5.2	4.5	5.2	5.2	
		60	6.8	5.3	5.6	4.9	5.4	5.4	5.6	5.1	5.8	5.8	
		100	6.7	5.9	6.3	5.5	5.9	6.0	6.0	5.6	6.8	6.6	
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****	****	****	****	****	****	****	
	HORIZONTAL	40	****	****	****	****	****	****	****	****	****	****	
	VERTICAL	100	****	****	****	****	****	****	****	****	****	****	
	HORIZONTAL	100	****	****	****	****	****	****	****	****	****	****	
TEMPERATURE GRADIENT (K/100M)		30/100	****	****	****	****	****	****	****	****	****	****	
NET RADIATION (MW/CM**2)			39.6	45.0	61.1	53.0	51.5	59.8	****	65.3	29.0	35.9	
WIND PROFILE EXPONENT			0.08	0.11	0.17	0.14	0.11	0.13	0.11	0.20	0.18	0.17	
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION		****		****		****		****		****		
	TEMPERATURE GRADIENT		****		****		****		****		****		
	WIND PROFILE		B		C		B		C		C		
	SYNOPTIC OBSERVATION		C		C		C		C		C		
			1.PERIOD		2.PERIOD		3.PERIOD		4.PERIOD		5.PERIOD		6.PERIOD

TAB. 106: METEOROLOGICAL DATA OF EXPERIMENT NO. 11

		HEIGHT (M)	1.PERIOD 13.50	1.PERIOD 14. 0	2.PERIOD 14.10	2.PERIOD 14.20	3.PERIOD 14.30	3.PERIOD 14.40	4.PERIOD 14.50	4.PERIOD 15. 0	5.PERIOD 15.10	5.PERIOD 15.20	6.PERIOD
WIND DIRECTION	(DEGREE)	40	220	****	225	230	226	224	228	227	224	225	
		60	214	****	220	223	219	220	220	219	220	221	
		100	218	****	222	221	220	220	217	220	225	221	
WIND SPEED	(M/S)	40	4.7	****	5.4	4.8	4.0	4.5	4.0	4.6	4.3	4.3	
		60	5.1	****	5.9	5.0	4.5	5.2	4.2	5.3	4.9	5.1	
		100	5.8	****	6.4	5.5	5.4	6.1	5.3	6.3	6.0	6.3	
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****	****	****	****	****	****	****	
	HORIZONTAL	40	****	****	****	****	****	****	****	****	****	****	
	VERTICAL	100	****	****	****	****	****	****	****	****	****	****	
	HORIZONTAL	100	****	****	****	****	****	****	****	****	****	****	
TEMPERATURE GRADIENT (K/100M)		30/100	-1.2	****	-1.1	-1.1	-1.2	-1.1	-1.1	-1.1	-1.1	-1.0	
NET RADIATION	(MW/CM**2)		12.6	****	11.0	7.7	8.6	7.3	6.1	5.1	3.6	2.3	
WIND PROFILE EXPONENT			0.17	****	0.15	0.17	0.21	0.23	0.23	0.26	0.27	0.26	
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION		****		****		****		****		****		
	TEMPERATURE GRADIENT		C		C		C		C		C		
	WIND PROFILE		C		C		D		D		D		
	SYNOPTIC OBSERVATION		C		C		C		C		C		
			1.PERIOD		2.PERIOD		3.PERIOD		4.PERIOD		5.PERIOD		6.PERIOD

TAB. 107: METEOROLOGICAL DATA OF EXPERIMENT NO. 13

		HEIGHT (M)	1.SAMPLING PERIOD 14.10	14.20	14.30	2.SAMPLING PERIOD 14.40	14.50	15. 0	3.SAMPLING PERIOD 15.10	15.20	15.30	4.SAMPLING PERIOD
WIND DIRECTION (DEGREE)		40	112	111	110	111	105	115	109	100	107	
		60	111	110	109	111	105	113	110	98	104	
		100	117	116	116	117	113	120	114	105	113	
WIND SPEED (M/S)		40	4.5	4.6	4.1	4.3	4.7	4.5	4.1	4.1	3.5	
		60	5.0	4.9	4.6	4.8	5.1	5.2	4.3	4.3	3.8	
		100	6.0	5.5	5.3	5.9	5.6	5.9	4.7	4.9	4.4	
STANDARD DEVIATION OF	VERTICAL	40	****	****	****	****	****	****	****	****	****	
	HORIZONTAL		****	****	****	****	****	****	****	****	****	
WIND DIRECTION (DEGREE)	VERTICAL	100	5.8	6.2	6.3	5.8	5.4	5.7	6.0	6.3	7.1	
	HORIZONTAL		****	****	****	****	****	****	****	****	****	
TEMPERATURE GRADIENT (K/100M)		30/100	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	****	-1.1	-1.1	
NET RADIATION (MW/CM**2)			5.8	5.3	4.7	4.5	4.5	3.6	3.4	2.9	2.9	
WIND PROFILE EXPONENT			0.23	0.15	0.23	0.21	0.17	0.19	0.14	0.16	0.22	
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION			D			D			D		
	TEMPERATURE GRADIENT			C			C			C		
	WIND PROFILE			D			C			C		
	SYNOPTIC OBSERVATION			C			C			C		
			1.SAMPLING PERIOD			2.SAMPLING PERIOD			3.SAMPLING PERIOD			4.SAMPLING PERIOD

TAB.108: METEOROLOGICAL DATA OF EXPERIMENT NO. 14

		HEIGHT (M)	1.SAMPLING PERIOD 14.10	14.20	14.30	2.SAMPLING PERIOD 14.40	14.50	15. 0	3.SAMPLING PERIOD 15.10	15.20	15.30	4.SAMPLING PERIOD
WIND DIRECTION	(DEGREE)	40	69	72	78	74	77	86	89	85	83	
		60	73	72	79	74	75	84	85	84	85	
		100	79	82	83	80	80	88	83	89	94	
WIND SPEED	(M/S)	40	4.8	5.1	4.5	3.5	4.0	4.1	4.8	4.9	5.1	
		60	5.1	5.5	4.8	4.0	4.2	4.5	5.1	5.4	5.7	
		100	5.7	6.1	5.2	4.7	5.0	5.2	5.3	6.2	6.2	
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****	****	****	****	****	****	
	HORIZONTAL	40	****	****	****	****	****	****	****	****	****	
	VERTICAL	100	10.2	9.7	9.7	9.8	9.4	9.8	10.7	10.6	10.0	
	HORIZONTAL	100	****	****	****	****	****	****	****	****	****	
TEMPERATURE GRADIENT (K/100M)		30/100	-1.2	-1.1	-1.1	-1.2	-1.2	-1.1	-1.1	-1.2	-1.2	
NET RADIATION	(MW/CM**2)		6.7	6.5	5.7	5.3	4.3	4.7	4.4	2.9	2.7	
WIND PROFILE EXPONENT			0.18	0.16	0.14	0.23	0.20	0.24	0.14	0.23	0.18	
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION			C			C			C		
	TEMPERATURE GRADIENT			C			C			C		
	WIND PROFILE			C			D			C		
	SYNOPTIC OBSERVATION			C			C			C		
			1.SAMPLING PERIOD			2.SAMPLING PERIOD			3.SAMPLING PERIOD			4.SAMPLING PERIOD

TAB.109: METEOROLOGICAL DATA OF EXPERIMENT NO. 15

		HEIGHT (M)	1.SAMPLING PERIOD 14.10	14.20	14.30	2.SAMPLING PERIOD 14.40	14.50	15. 0	3.SAMPLING PERIOD 15.10	15.20	15.30	4.SAMPLING PERIOD
WIND DIRECTION (DEGREE)		40	222	222	227	235	241	247	244	237	231	
		60	219	218	222	233	234	241	240	232	228	
		100	217	219	221	230	233	237	236	230	227	
WIND SPEED (M/S)		40	5.1	5.4	5.0	4.6	4.0	3.6	3.5	4.0	4.6	
		60	6.1	6.3	5.8	5.4	4.7	4.1	4.0	4.6	5.1	
		100	7.0	6.7	6.5	6.7	6.0	5.2	4.8	5.2	6.2	
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****	****	****	****	****	****	
	HORIZONTAL	40	****	****	****	****	****	****	****	****	****	
	VERTICAL	100	6.6	6.3	6.4	6.7	6.0	6.5	6.3	5.9	6.0	
	HORIZONTAL	100	****	****	****	****	****	****	****	****	****	
TEMPERATURE GRADIENT (K/100M)		30/100	-1.2	-1.1	-1.1	-1.1	-1.0	-0.9	-0.9	-0.9	-0.9	
NET RADIATION (MW/CM**2)			8.2	6.1	6.0	2.9	1.7	0.5	0.6	2.6	2.1	
WIND PROFILE EXPONENT			0.30	0.23	0.27	0.28	0.33	0.34	0.31	0.30	0.32	
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION			D			D			D		
	TEMPERATURE GRADIENT			C			D			D		
	WIND PROFILE			D			D			D		
	SYNOPTIC OBSERVATION			D			D			D		
			1.SAMPLING PERIOD			2.SAMPLING PERIOD			3.SAMPLING PERIOD			4.SAMPLING PERIOD

TAB.110: METEOROLOGICAL DATA OF EXPERIMENT NO. 16

		HEIGHT (M)	1.SAMPLING PERIOD 14.10	14.20	14.30	2.SAMPLING PERIOD 14.40	14.50	15. 0	3.SAMPLING PERIOD	4.SAMPLING PERIOD
WIND DIRECTION (DEGREE)		40	251	254	264	252	249	248		
		60	246	252	259	248	245	243		
		100	247	252	258	251	247	245		
WIND SPEED (M/S)		40	4.8	6.4	6.5	5.5	5.6	6.5		
		60	5.3	7.3	7.1	6.5	6.9	7.4		
		100	6.3	8.4	8.2	7.9	8.4	8.7		
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****	****	****		
	HORIZONTAL	40	****	****	****	****	****	****		
	VERTICAL	100	5.8	5.3	5.1	4.5	4.C	4.5		
	HORIZONTAL	100	13.3	12.2	1C.4	9.5	8.4	9.9		
TEMPERATURE GRADIENT (K/100M)		30/100	****	****	****	****	****	****		
NET RADIATION (MW/CM**2)			8.9	3.8	4.0	9.2	5.0	1.7		
WIND PROFILE EXPONENT			0.23	0.20	0.21	0.27	0.31	C.26		
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION		D			D				
	TEMPERATURE GRADIENT		****			****				
	WIND PROFILE		D			D				
	SYNOPTIC OBSERVATION		D			D				
			1.SAMPLING PERIOD			2.SAMPLING PERIOD			3.SAMPLING PERIOD	4.SAMPLING PERIOD

TAB. 111: METEOROLOGICAL DATA OF EXPERIMENT NO. 17

		HEIGHT (M)	1.PERIOD 10.50	1.PERIOD 11. 0	2.PERIOD 11.10	2.PERIOD 11.20	3.PERIOD 11.30	3.PERIOD 11.40	4.PERIOD	5.PERIOD	6.PERIOD
WIND DIRECTION (DEGREE)		40	****	****	22	22	23	25			
		60	****	****	18	17	20	19			
		100	****	****	23	20	22	23			
WIND SPEED (M/S)		40	****	****	5.4	6.7	5.6	4.9			
		60	****	****	6.4	7.9	6.5	5.8			
		100	****	****	7.1	8.2	7.1	6.7			
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****	****	****			
	HORIZONTAL	40	****	****	****	****	****	****			
	VERTICAL	100	****	****	7.0	6.5	6.7	6.8			
	HORIZONTAL	100	****	****	****	****	****	****			
TEMPERATURE GRADIENT (K/100M)		30/100	****	****	-1.5	-1.4	-1.5	-1.5			
NET RADIATION (MW/CM**2)			****	****	14.8	30.1	21.8	21.0			
WIND PROFILE EXPONENT			****	****	0.22	0.15	0.20	0.25			
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION		****		D		D				
	TEMPERATURE GRADIENT		****		C		C				
	WIND PROFILE		****		C		D				
	SYNOPTIC OBSERVATION		D		D		D				
			1.PERIOD		2.PERIOD		3.PERIOD		4.PERIOD	5.PERIOD	6.PERIOD

TAB. 112: METEOROLOGICAL DATA OF EXPERIMENT NO. 18

		HEIGHT (M)	1.SAMPLING PERIOD 14.40	14.50	15. 0	2.SAMPLING PERIOD 15.10	15.20	15.30	3.SAMPLING PERIOD 15.40	15.50	16. 0	4.SAMPLING PERIOD
WIND DIRECTION (DEGREE)		40	102	105	82	75	68	39	27	17	20	
		60	86	98	76	71	68	35	26	10	13	
		100	77	99	62	64	69	42	31	13	12	
WIND SPEED (M/S)		40	2.7	1.9	2.5	2.0	2.3	2.8	2.1	3.3	3.3	
		60	2.7	2.2	2.8	2.0	2.5	3.1	2.2	3.8	3.8	
		100	2.9	2.7	2.8	2.1	2.4	3.1	2.6	3.8	4.1	
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****	****	****	****	****	****	
	HORIZONTAL	40	****	****	****	****	****	****	****	****	****	
	VERTICAL	100	12.5	12.6	13.6	13.9	13.6	11.5	10.8	9.2	9.7	
	HORIZONTAL	100	13.0	13.4	13.8	14.9	15.2	14.4	12.4	11.9	11.4	
TEMPERATURE GRADIENT (K/100M)		30/100	-1.2	-1.0	-1.2	-1.1	-1.1	-1.2	-1.1	-1.0	-1.3	
NET RADIATION (MW/CM**2)			12.9	12.7	12.5	12.6	13.4	18.1	14.0	19.3	16.3	
WIND PROFILE EXPONENT			0.15	0.16	0.16	0.06	0.03	0.08	0.16	0.06	0.14	
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION			B			B			C		
	TEMPERATURE GRADIENT			C			C			B		
	WIND PROFILE			C			A			B		
	SYNOPTIC OBSERVATION			C			C			C		
			1.SAMPLING PERIOD			2.SAMPLING PERIOD			3.SAMPLING PERIOD			4.SAMPLING PERIOD

TAB. 113: METEOROLOGICAL DATA OF EXPERIMENT NO. 19

		HEIGHT (M)	1.SAMPLING PERIOD 14.10	14.20	14.30	2.SAMPLING PERIOD 14.40	14.50	15. 0	3.SAMPLING PERIOD 15.10	15.20	15.30	4.SAMPLING PERIOD
WIND DIRECTION (DEGREE)		40	56	30	357	341	325	334	66	111	110	
		60	58	26	359	339	319	329	75	109	117	
		100	64	31	12	343	329	350	71	116	117	
WIND SPEED (M/S)		40	3.8	3.6	2.0	2.0	1.7	1.7	2.0	2.3	2.4	
		60	3.9	3.9	2.2	2.2	1.8	1.7	2.1	2.3	2.2	
		100	3.7	3.8	2.1	2.2	1.6	1.7	2.3	2.5	2.3	
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****	****	****	****	****	****	
	HORIZONTAL		****	****	****	****	****	****	****	****	****	
	VERTICAL	100	17.6	14.5	****	13.7	11.7	14.3	17.7	17.6	18.4	
	HORIZONTAL		****	****	****	****	****	****	****	****	****	
TEMPERATURE GRADIENT (K/100M)		30/100	-1.4	-1.4	-1.0	-1.0	-1.1	-0.9	-1.0	-1.0	-0.8	
NET RADIATION (MW/CM**2)			****	37.3	9.4	16.3	****	45.8	43.3	33.2	13.6	
WIND PROFILE EXPONENT			0.04	0.05	0.07	0.03	-.04	0.02	0.07	0.14	0.06	
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION			A			B			A		
	TEMPERATURE GRADIENT			B			B			C		
	WIND PROFILE			A			A			B		
	SYNOPTIC OBSERVATION			B			B			B		
			1.SAMPLING PERIOD			2.SAMPLING PERIOD			3.SAMPLING PERIOD			4.SAMPLING PERIOD

TAB.114 : METEOROLOGICAL DATA OF EXPERIMENT NO. 20

		HEIGHT (M)	1.SAMPLING PERIOD 14.10	14.20	14.30	2.SAMPLING PERIOD 14.40	14.50	15. 0	3.SAMPLING PERIOD 15.10	15.20	15.30	4.SAMPLING PERIOD
WIND DIRECTION (DEGREE)		40	270	230	236	262	239	262	250	257	244	
		60	264	225	230	260	234	258	246	255	240	
		100	257	225	238	257	242	256	241	254	233	
WIND SPEED (M/S)		40	3.8	3.9	2.9	3.6	3.6	3.6	3.5	4.0	3.5	
		60	4.2	4.4	3.2	4.2	3.9	3.8	3.9	4.3	3.8	
		100	4.3	4.7	3.3	4.2	3.8	4.1	3.7	4.4	3.8	
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****	****	****	****	****	****	
	HORIZONTAL	40	****	****	****	****	****	****	****	****	****	
	VERTICAL	100	****	****	****	****	****	****	****	****	****	
	HORIZONTAL	100	16.9	14.8	16.4	15.0	16.1	15.8	19.0	17.6	16.5	
TEMPERATURE GRADIENT (K/100M)		30/100	-1.7	-1.4	-1.3	-1.5	-1.3	-1.5	-1.1	-1.8	-1.4	
NET RADIATION (MW/CM**2)			43.2	45.1	42.0	41.8	42.6	43.7	43.4	41.6	38.7	
WIND PROFILE EXPONENT			0.14	0.16	0.16	0.08	0.07	0.13	0.08	0.08	0.13	
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION		****			****			****			
	TEMPERATURE GRADIENT		B			B			B			
	WIND PROFILE		C			B			B			
	SYNOPTIC OBSERVATION		C			C			C			
			1.SAMPLING PERIOD			2.SAMPLING PERIOD			3.SAMPLING PERIOD			4.SAMPLING PERIOD

TAB.115 : METEOROLOGICAL DATA OF EXPERIMENT NO. 21

		HEIGHT (M)	1.SAMPLING PERIOD 14.10	14.20	14.30	2.SAMPLING PERIOD 14.40	14.50	15. 0	3.SAMPLING PERIOD 15.10	15.20	15.30	4.SAMPLING PERIOD
WIND DIRECTION (DEGREE)		40	272	282	282	290	304	300	278	287	294	
		60	276	281	283	291	299	297	279	289	289	
		100	277	284	290	291	300	298	280	288	290	
WIND SPEED (M/S)		40	4.7	6.1	5.3	5.1	5.1	5.1	5.1	5.2	5.6	
		60	5.0	6.7	5.5	5.8	5.8	5.6	5.6	5.7	6.3	
		100	5.7	8.1	6.3	6.8	7.1	6.8	6.5	6.6	7.1	
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****	****	****	****	****	****	
	HORIZONTAL	40	****	****	****	****	****	****	****	****	****	
	VERTICAL	100	7.0	7.7	7.9	8.0	7.4	7.2	6.9	7.4	7.2	
	HORIZONTAL	100	9.7	10.0	10.0	9.7	8.4	8.1	7.9	9.4	8.8	
TEMPERATURE GRADIENT (K/100M)		30/100	****	****	****	****	****	****	****	****	****	
NET RADIATION (MW/CM**2)			46.4	41.5	38.0	35.0	36.7	35.8	38.9	35.9	28.6	
WIND PROFILE EXPONENT			0.18	0.21	0.15	0.21	0.23	0.21	0.19	0.19	0.18	
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION		C			C			C			
	TEMPERATURE GRADIENT		****			****			****			
	WIND PROFILE		C			D			C			
	SYNOPTIC OBSERVATION		D			D			D			
			1.SAMPLING PERIOD			2.SAMPLING PERIOD			3.SAMPLING PERIOD			4.SAMPLING PERIOD

TAB.116 : METEOROLOGICAL DATA OF EXPERIMENT NO. 22

		HEIGHT (M)	1.SAMPLING PERIOD 14.10	14.20	14.30	2.SAMPLING PERIOD 14.40	14.50	15. 0	3.SAMPLING PERIOD 15.10	15.20	15.30	4.SAMPLING PERIOD
WIND DIRECTION	(DEGREE)	40	223	213	236	222	204	213	215	234	224	
		60	221	210	235	220	203	212	218	233	217	
		100	222	216	230	221	205	215	221	229	214	
WIND SPEED	(M/S)	40	3.7	3.2	2.8	3.2	3.2	3.3	3.1	2.9	2.2	
		60	3.9	3.6	3.0	3.7	3.8	3.9	3.3	3.0	2.2	
		100	4.1	3.7	3.3	4.1	4.5	4.0	3.5	3.2	2.4	
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	****	****	****	****	****	****	****	****	****	
	HORIZONTAL		19.4	18.5	23.2	24.3	25.3	25.5	21.4	21.8	20.4	
	VERTICAL	100	11.7	11.9	13.0	13.1	12.2	10.5	10.4	10.7	12.3	
	HORIZONTAL		13.7	13.9	17.0	17.5	14.8	14.0	11.6	11.4	12.0	
TEMPERATURE GRADIENT (K/100M)		30/100	-1.3	-1.4	-1.4	-1.4	-1.5	-1.4	-1.1	-1.3	-1.3	
NET RADIATION	(MW/CM**2)		24.0	22.0	20.5	21.3	19.8	19.4	19.7	16.8	18.0	
WIND PROFILE EXPONENT			0.09	0.11	0.17	0.16	0.21	0.11	0.11	0.15	0.16	
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION			B			B			B		
	TEMPERATURE GRADIENT			B			B			B		
	WIND PROFILE			B			C			C		
	SYNOPTIC OBSERVATION			C			C			C		
			1.SAMPLING PERIOD			2.SAMPLING PERIOD			3.SAMPLING PERIOD			4.SAMPLING PERIOD

TAB. 117: METEOROLOGICAL DATA OF EXPERIMENT NO. 23

		HEIGHT (M)	1.SAMPLING PERIOD 19.40	19.50	20. 0	2.SAMPLING PERIOD 20.10	20.20	20.30	3.SAMPLING PERIOD 20.40	20.50	21. 0	4.SAMPLING PERIOD
WIND DIRECTION (DEGREE)		40	236	227	239	248	240	250	257	257	255	
		60	239	229	243	250	243	251	257	258	256	
		100	245	237	246	252	250	254	259	262	261	
WIND SPEED (M/S)		40	3.1	2.8	2.5	3.5	3.6	3.3	3.8	4.0	3.7	
		60	4.1	3.7	3.2	4.5	4.7	4.6	5.1	5.2	4.9	
		100	5.4	4.7	4.5	5.6	5.9	6.1	6.4	6.2	5.4	
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	5.8	5.8	5.2	4.8	4.7	4.8	4.6	4.1	4.1	
	HORIZONTAL	40	9.4	10.2	11.0	9.5	8.8	9.6	8.8	7.9	7.6	
	VERTICAL	100	2.5	2.8	3.1	3.0	2.5	2.3	1.9	1.5	1.5	
	HORIZONTAL	100	4.1	4.9	6.0	5.5	4.4	4.4	3.6	2.8	2.7	
TEMPERATURE GRADIENT (K/100M)		30/100	0.1	0.0	0.1	0.3	0.5	0.5	1.0	1.2	0.8	
NET RADIATION (MW/CM**2)			-5.0	-6.4	-6.2	-6.1	-6.3	-6.0	-6.0	-6.0	-5.9	
WIND PROFILE EXPONENT			0.44	0.43	0.47	0.40	0.42	0.47	0.42	0.39	0.38	
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION			E			E			E		
	TEMPERATURE GRADIENT			D			D			E		
	WIND PROFILE			E			E			E		
	SYNOPTIC OBSERVATION			E			E			E		
			1.SAMPLING PERIOD			2.SAMPLING PERIOD			3.SAMPLING PERIOD			4.SAMPLING PERIOD

TAB. 118: METEOROLOGICAL DATA OF EXPERIMENT NO. 24

		HEIGHT (M)	1.SAMPLING PERIOD 14.40	14.50	15. 0	2.SAMPLING PERIOD 15.10	15.20	15.30	3.SAMPLING PERIOD	4.SAMPLING PERIOD
WIND DIRECTION (DEGREE)		40	275	265	263	276	270	272		
		60	274	264	265	275	269	274		
		100	273	259	265	275	269	274		
WIND SPEED (M/S)		40	8.8	7.2	8.1	5.3	6.7	6.2		
		60	9.9	8.3	9.1	6.2	7.7	7.3		
		100	10.1	8.9	9.6	6.9	8.6	7.7		
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	8.4	8.4	8.8	8.9	9.4	9.3		
	HORIZONTAL	40	12.3	11.9	13.7	14.6	14.0	14.1		
	VERTICAL	100	6.4	6.3	6.3	6.5	6.8	6.8		
	HORIZONTAL	100	9.2	8.2	9.7	9.3	8.8	9.3		
TEMPERATURE GRADIENT (K/100M)		30/100	-1.6	-1.6	-1.7	-1.6	-1.7	-1.6		
NET RADIATION (MW/CM**2)			38.1	31.4	30.6	23.1	31.6	32.5		
WIND PROFILE EXPONENT			0.14	0.18	0.16	0.23	0.18	0.18		
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION		D			D				
	TEMPERATURE GRADIENT		D			C				
	WIND PROFILE		C			C				
	SYNOPTIC OBSERVATION		D			D				
			1.SAMPLING PERIOD			2.SAMPLING PERIOD			3.SAMPLING PERIOD	4.SAMPLING PERIOD

TAB. 119: METEOROLOGICAL DATA OF EXPERIMENT NO. 25

		HEIGHT (M)	1.SAMPLING PERIOD 15.40	15.50	16. 0	2.SAMPLING PERIOD 16.10	16.20	16.30	3.SAMPLING PERIOD	4.SAMPLING PERIOD
WIND DIRECTION (DEGREE)		40	250	250	263	281	281	280		
		60	248	250	262	280	280	278		
		100	245	250	259	281	282	280		
WIND SPEED (M/S)		40	8.3	7.8	8.2	7.4	9.3	10.7		
		60	9.7	8.9	9.3	8.7	10.6	12.6		
		100	10.7	9.8	10.0	9.6	11.8	13.2		
STANDARD DEVIATION OF WIND DIRECTION (DEGREE)	VERTICAL	40	9.6	9.1	8.7	8.8	9.1	8.8		
	HORIZONTAL	40	13.3	13.3	13.4	13.0	12.3	11.9		
	VERTICAL	100	6.3	6.1	6.6	6.5	6.6	6.0		
	HORIZONTAL	100	8.9	9.1	9.0	9.2	8.2	7.5		
TEMPERATURE GRADIENT (K/100M)		30/100	-1.1	-1.2	-1.5	-1.4	-1.4	-1.4		
NET RADIATION (MW/CM**2)			9.8	30.1	27.2	14.4	22.8	24.3		
WIND PROFILE EXPONENT			0.23	0.23	0.19	0.23	0.22	****		
DIFFUSION CATEGORY BASED ON ...	VERTICAL FLUCTUATION		D			D				
	TEMPERATURE GRADIENT		D			D				
	WIND PROFILE		D			D				
	SYNOPTIC OBSERVATION		D			D				
			1.SAMPLING PERIOD			2.SAMPLING PERIOD			3.SAMPLING PERIOD	4.SAMPLING PERIOD

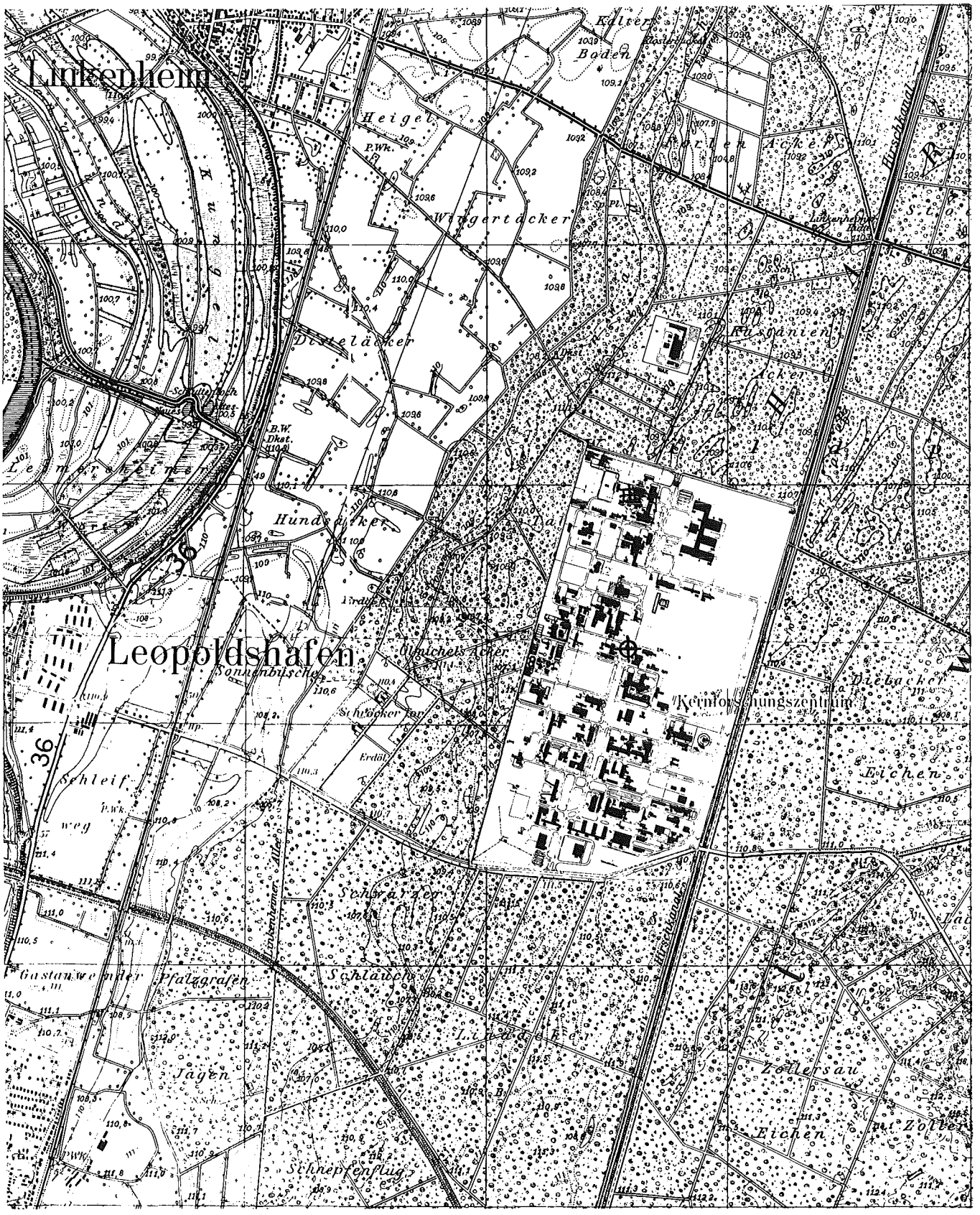

FIG. 1 MAP OF THE KARLSRUHE NUCLEAR RESEARCH CENTER AND ITS ENVIRONMENT; POINTS OF EMISSION: 100 M EXHAUST STACKS OF THE FR 2 REACTOR (⊕) AND THE MZFR REACTOR (⊞)

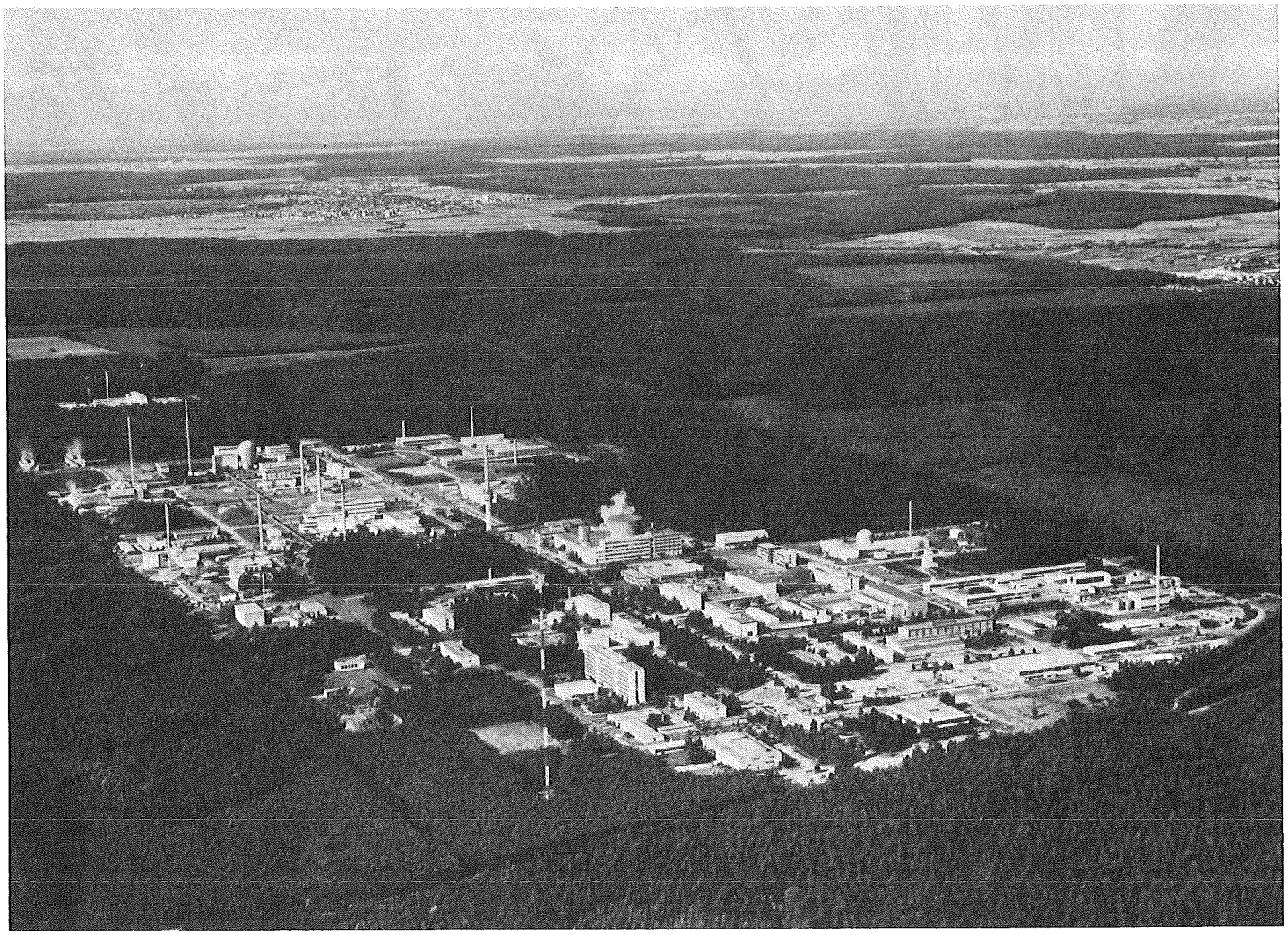

FIG. 2 AERIAL PHOTOGRAPH OF THE KARLSRUHE NUCLEAR RESEARCH CENTER AND ITS ENVIRONMENT AS SEEN IN THE NORTH-EASTERN DIRECTION

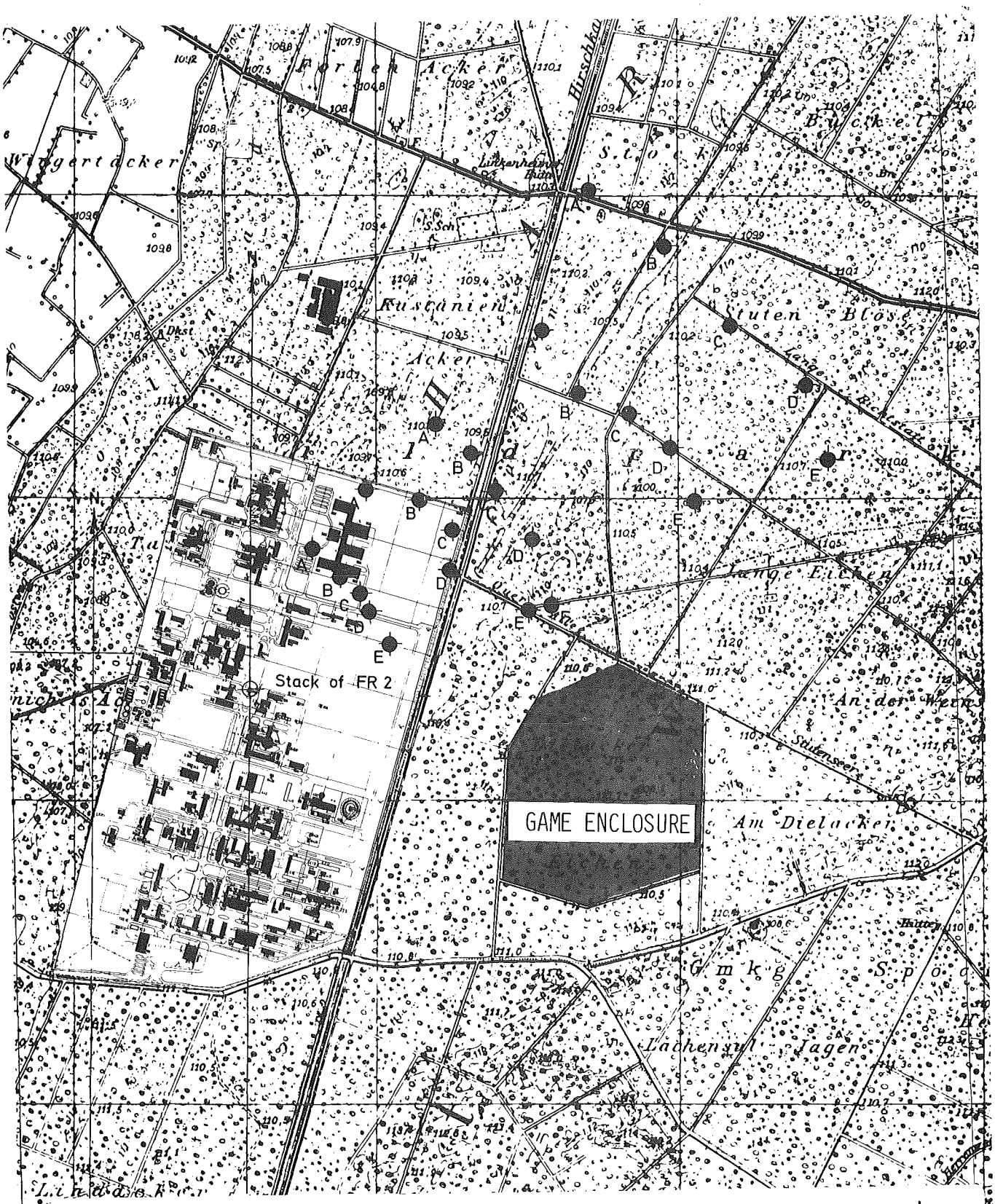

FIG. 3: TYPICAL ARRANGEMENT OF SAMPLING LOCATIONS
(Experiment No. 15)