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DEPARTMENT OF PHYSICS AND GEOPHYSICAL SCIENCES
SCHOOL OF SCIENCES AND HEALTH PROFESSIONS
OLD DOMINION UNIVERSITY
NORFOLK, VIRGINIA

Technical Report PGSTR-AP75-08

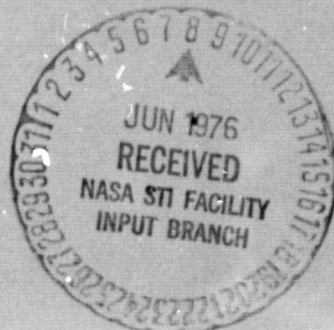
DATA SET FOR BACKGROUND INVESTIGATION OF ATMOSPHERIC
CONSTITUENTS FOR CAPE HENRY SITE: AUGUST 5-22, 1974

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Prepared by the
Old Dominion University Atmospheric Research Group
Earl C. Kindle, Principal Investigator

Sponsored by
NASA Office of University Affairs
Grant NGL 47-003-067

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Submitted by the
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Norfolk, Virginia 23508

May 1975



1. BACKGROUND AND PARTICULATE DATA

1.A. Experimental Description

This investigation was conducted at the request of the Virginia State Air Pollution Control Board, region VI director. The primary objective of the study was to provide background air quality data to the U. S. Navy and the City of Virginia Beach municipal authorities. This report includes processed and edited data.

The Old Dominion University Mobile Air Pollution Laboratory was located within the Fort Story Military Reservation at Cape Henry between 5 August and 21 August 1974. Total sulfur, total hydrocarbons, NO, NO₂, NO_x, and O₃ were monitored and reported as hourly averages. Visibility was measured using an integrating nephelometer and reported as hourly averages. Twenty-four hour averaged mass loading was determined using two high volume air samplers (Hi Vols) located on different levels (25' and 50') at the site. Additionally, temperature, wind speed, relative humidity, barometric pressure and solar radiation intensity were measured at the site or supplemented by readings taken by the U. S. Coast Guard at the Cape Henry Light House. Table 1 contains information on the monitoring methods and estimates of error for the measurements.

The Old Dominion University Mobile Air Pollution Laboratory was placed in a paved area formerly used as a military gas station. The Atlantic Ocean shore line was approximately one-half mile east of the site, the mouth of the Chesapeake Bay was approximately one mile north and Seashore State Park was approximately two miles south by southwest of the site.

Table 1

Monitoring Methods and Estimates of Error*

Parameter	Instrument	Method	Accuracy**
NO, NO ₂ , NO _x	Bendix Model 8101B Nitrogen Oxide Monitor	Photometric detection of gas phase reaction of NO and O ₃	± 5%
Total Sulfur	Meloy labs Model SH 202	Flame photometric detec- tion of Hydrogen burned air sample	± 5%
Total Hydrocarbons	Meloy labs Model SH 202	Flame ionization detec- tion of burned air sampler	± 5%
O ₃	ODU construction RR III-6	Chemiluminescence of O ₃ Ethylene reaction	± 10%
CO	Andros DIF Model 7000	Nondispersion infrared	± 5%
Visibility	Meteorology Research Inc. Model 1550 Inte- grated Nephelometer with part 461 air heater assembly	Light scattering	± 5%
Solar Radiation	Eppley labs Model 8-48 pyronometer	Differential heating	± 2%
Temperature	ODU construction	Thermistor resistance	± 0.3°C
Wind Speed	Climet Model 011-2B	Direct measurement	± 2 mph
Wind Direction	Climet Model 012-2C	Direct measurement	± 5°
Humidity	Relative humidity detector#	Hair stretching	± 5%
Barometric Pressure	Microbarometer#	#	± 1%

* All instruments calibrated as suggested in Federal Register Oct. 13, 1973

** 67 percentile confidence level (estimated from calibrations)

Manufacturer information unavailable at this time

There is no major industrial site in the vicinity (radius of 5 miles) and the only road of importance is Route 60 which is an east/west throughfare approximately one and one-half miles south of the site.

1.B. Particulate Data

On August 4, two pre-calibrated High Volume Air Samplers were placed at the trailer site. Sampler number 1 was set at the 15 foot level, and sampler number 2 was set at the 25 foot level:

The samples were obtained on a 24 hour basis (12 am to 12 pm EDT). In Table 2, data entered for a given day represents the average of the previous 24 hours. The methods used are reported in *Methods of Air Sampling and Analysis*, Intersociety Committee and in the Federal Register, Vol. 36, No. 84, p. 8193 - 8194 (April 30, 1971).

The particulate samples were transported to Old Dominion where they were dried and weighed. The weight, run time, sampling rate (air flow) were then treated mathematically into the meaningful concentration units ($\mu\text{g}/\text{m}^3$) as presented in Table 2.

2. DIGITIZED MOLECULAR AND SITE METEOROLOGICAL DATA

This section contains two types of data: Molecular and meteorological. The molecular concentrations are nitric oxide, nitrogen dioxide, ozone, total sulfur, total hydrocarbons and carbon monoxide. Each of these molecular concentrations were measured at the 15 foot and 50 foot levels, respectively.

The meteorological data provides readings of beta-scattering (B-SC), visibility (VSB), solar radiation (SRAD), relative humidity (RH), wind speed (WSPD), wind direction (WDIR) and temperature (T).

Table 2

Mass Loading ($\mu\text{g}/\text{m}^3$) for Cape Henry Site*

Date	Site 1	Site 2
Aug 6	25	35
7	28	35
8	23	28
9	13	11
10	57	76
11	53	62
12	28	33
13	50	60
14	53	64
15	39	48
16	19	25
17	36	47
18	**	**
19	41	51
20	56	60

*** Refer to Figure 1 for site locations**

**** Missing Data**

The tabulated data for the zero hour is an average of the recorded readings from 00:00 to 00:59 EST. The data set for each hour thereafter is tabulated correspondingly.

Throughout the data array the numbers, -1, -2, -3, -4, -5, -9 are used as indicators of the following data conditions: -1 represents a reading below scale, -2 represents a missing reading, -3 represents a reading off scale, -4 represents a reading that was negatively past the noise level, -5 represents edited data, and -9 represents missing data cards.

The molecular data concentrations are reported in parts per billion, while the meteorological data are reported individually as follows:

Meteorological Data	Unit
B-SC	Inverse Megameters
VSB	Kilometers
SRAD	Calories per Square Centimeters per minute
RH	Percent
WSPD	Miles Per Hour
WDIR	Degrees North
T-15	Degrees Centigrade
T-25	Degrees Centigrade

The wind direction was reported as a -2 on the computer printout because this information was not determined by a wind direction detector in the trailer. Table 3 reports the wind direction as a sixteen point compass. This information was supplied by the U. S. Coast Guard at Cape Henry Light House.

The data for CO and HC are not included on the computer printout because field installation and maintenance were not properly carried out; accordingly, unreliable data was produced.

On August 18th and thereafter the data for O₃ was also removed, because thunderstorms on the evening of the 17th could have been responsible for the disturbance in that set of data.

Table 3

Wind Direction

U. S. Coast Guard at Cape Henry Light House*

Date		Three-Hour Readings							
		<u>0200</u>	<u>0500</u>	<u>0800</u>	<u>1100</u>	<u>1400</u>	<u>1700</u>	<u>2000</u>	<u>2300</u>
Aug	5	SSW	SSW	SW	S	S	ENE	SSE	S
	6	S	S	ESE	ENE	ENE	NNE	NE	ENE
	7	SE	SSE	S	SW	WSW	WNW	NW	NW
	8	SW	WSW	SW	W	SE	SE	SSE	S
	9	W	SSE	SSE	E	E	SSE	SSE	S
	10	W	E	N	N	NNE	NNE	NNE	N
	11	NNE	NNE	N	N	N	N	NNE	NNE
	12	NE	NW	N	NE	N	NE	ESE	SSE
	13	S	S	SSE	WSW	NW	NW	SE	S
	14	SW	SW	SW	SSW	E	SE	SSW	S
	15	SSW	SW	SW	NW	NNW	ENE	E	SE
	16	SE	S	SSW	NE	NE	SE	SE	SE
	17	SE	SE	SW	S	SSE	S	S	WSW
	18	SSE	SW	SW	N	NNE	ENE	ENE	SSE
	19	ESE	ENE	ENE	ENE	NE	NE	NE	NE
	20	NE	NE	NE	NNE	NNE	NE	NE	NE
	21	NNE	NNE	NE	ENE	NE	NE	NE	NE

* Approximately 1/4 mi. from the site.

3. GRAPHIC REPRESENTATION OF MOLECULAR DATA

In this section, the Cape Henry data is presented in a line-printer simulation of a multi-channel strip chart. Each day's data is represented on one page with two lines containing the data for each hour as designated at the left end of each line. To the right of each printed hour, a vertical fiducial mark and an asterisk form a vertical left margin for the graphic area.

Vertical fiducials to the right of this margin were spaced at one-inch intervals on the original computer printout, however this interval is actually smaller on these pages through photo reduction. In the following description, these intervals will be spoken of as "inches" in keeping with the scale factors printed at the bottom of each page.

The first "inch" from the margin will normally contain the letter A in the lower line for each hour, representing the presence of NO at the lower level of 15 feet, while the letter B in the upper line represents its concentration at the higher level, 50 feet. As indicated by the scale factor printed at the base of the chart, the first inch from the left represents concentration in the range from 0 to 50 parts per billion. For very low concentration measured, the left fiducial may be replaced by the letter. For an indication of data missing, the letter is replaced by an asterisk which is plotted in the position of 01 concentration.

The second "inch" is the range for the letters C and D, representing concentration of NO₂ at the same levels, and for the same range of concentration. In the third "inch", the letters E and F represent a plot of the sum of the measurements of NO and NO₂.

In the fourth through the seventh "inches", each pair of letters represents concentration of another constituent, though the concentration

represented by a one "inch" displacement is higher for these constituents as indicated by the printed scale factors.

As illustrated perhaps most often by the hydrocarbons, K, L, the concentration is permitted to traverse a second "inch" at the same scale factor. At that point it is limited, so that a "two inch" displacement would represent a concentration of twice the scale printed factor, or more.

As indicated by the legend at the bottom of each page, the various other data observed are represented by additional letter pairs, the lower legend of abbreviation and scale factor applying to the first or lower factor applying to the second letter printed in the upper line for each hour. Thus the final two inches are the range for the letters U and V, which represent temperature at 15 and 50 feet, and cover the range from 0 to 40 degrees C.

Two notes may be of help in interpreting these graphics. First, the units to which the printed scale factors apply are identical to the units shown for the numerical listings in the digitized printout of the section.

Second, should two letters properly occupy the same position, precedence or priority is given in alphabetical order, the second letter of the two being displaced one position toward the right. Thus if the letter R immediately follows the letter P, it is possible that the R belonged in the position occupied by the letter P. On the other hand, if they are adjacent in the order RP, there is no ambiguity.

The tabular description of letters and scales is given below:

NO	(A at 15 ft) (B at 50 ft)	1 "inch" represents 50 ppb
NO ₂	(C at 15 ft) (D at 50 ft)	1 "inch" represents 50 ppb
NO _x	(E at 15 ft) (F at 50 ft)	1 "inch" represents 50 ppb

Ozone	(G at 15 ft) (H at 50 ft)	1 "inch" represents 100 ppb
Sulfur	(I at 15 ft) (J at 50 ft)	1 "inch" represents 100 ppb
Hydrocarbons	(K at 15 ft) (L at 50 ft)	1 "inch" represents 5000 ppb
CO	(M at 15 ft) (N at 50 ft)	1 "inch" represents 5000 ppb
Beta Scattering	O	1 "inch" represents 400/megameter
Visibility (inferred from B scattering)	P	1 "inch" represents 30 km
Solar Radiation	Q	1 "inch" represents 1.5 cal/sq cm/minute
Relative Humidity	R	1 "inch" represents 100%
Wind Speed	S	1 "inch" represents 20 mph
Wind Direction	T	1 "inch" represents 360 degrees
Temperature	(U at 15 ft) (V at 50 ft)	1 "inch" represents 20 degrees C

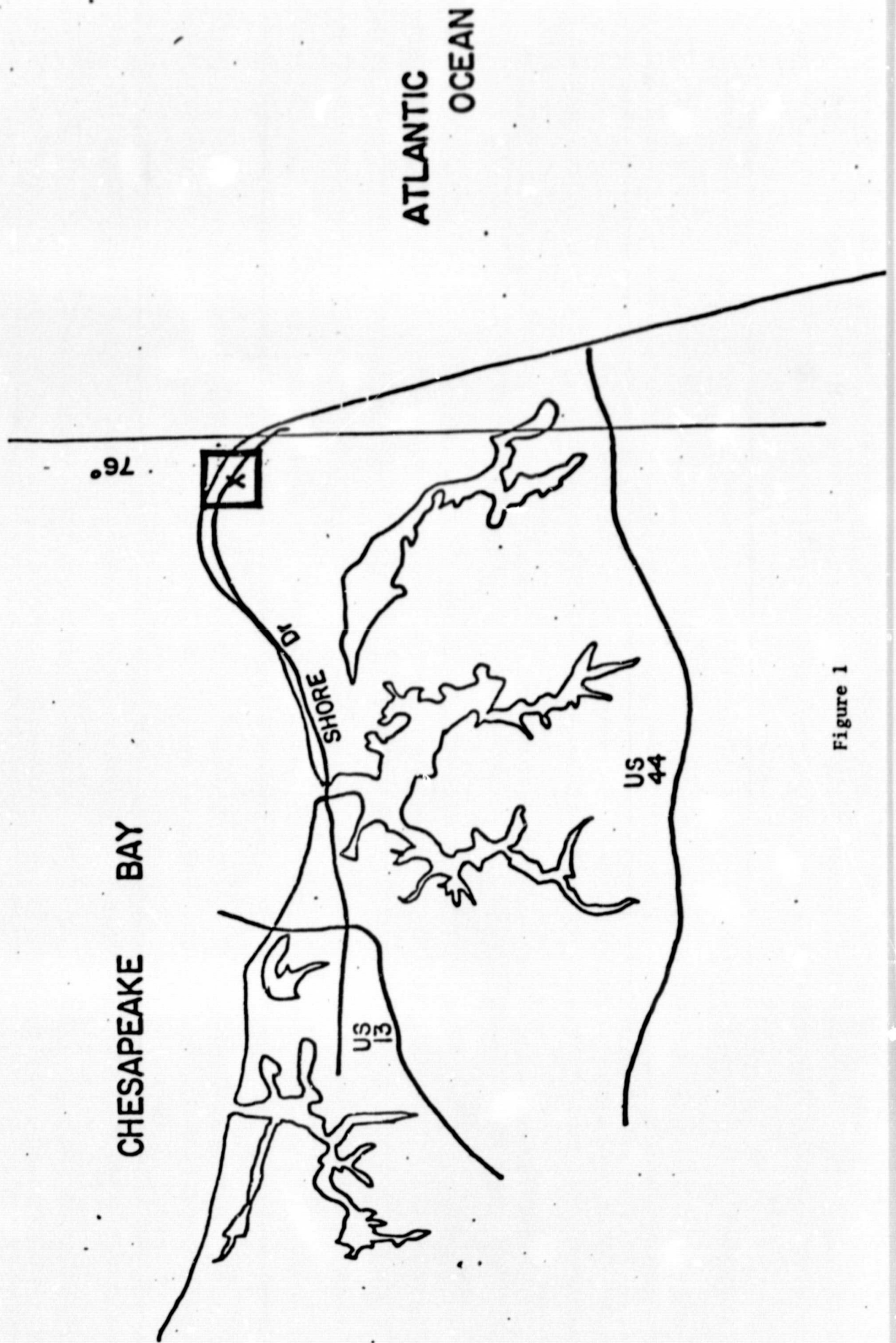


Figure 1

NUJUK	NU NO	NU2	NU2	03	03	S	S	MC	MC	CO	CO	B-SC	VSB	SRAD	AM	WSPD	WDIR	T-15	T-75
						PER BILLION							KM	dB	%	MPH	N	C	C
0	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-2	-2	-2,00	-2	-2	-2	-2,0	-2,0
1	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-2	-2	-2,00	-2	-2	-2	-2,0	-2,0
2	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-2	-2	-2,00	-2	-2	-2	-2,0	-2,0
3	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-2	-2	-2,00	-2	-2	-2	-2,0	-2,0
4	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-2	-2	-2,00	-2	-2	-2	-2,0	-2,0
5	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-2	-2	-2,00	-2	-2	-2	-2,0	-2,0
6	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-2	-2	-2,00	-2	-2	-2	-2,0	-2,0
7	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-2	-2	-2,00	-2	-2	-2	-2,0	-2,0
8	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-2	-2	-2,00	-2	-2	-2	-2,0	-2,0
9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-2	-2	-2,00	-2	-2	-2	-2,0	-2,0
10	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-2	-2	-2,00	-2	-2	-2	-2,0	-2,0
11	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-2	-2	-2,00	-2	-2	-2	-2,0	-2,0
12	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-2	-2	-2,00	-2	-2	-2	-2,0	-2,0
13	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-2	-2	-2,00	-2	-2	-2	-2,0	-2,0
14	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-2	-2	-2,00	-2	-2	-2	-2,0	-2,0
15	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-2	-2	-2,00	-2	-2	-2	-2,0	-2,0
16	8	8	-2	13	11	-2	-2	-5	-5	-5	-5	43	91	0,07	-2	33	-2	23,0	22,9
17	7	7	-2	7	5	-2	-2	-5	-5	-5	-5	31	127	0,07	-2	52	-2	22,2	22,0
18	7	7	-2	-6	-6	-2	-2	-5	-5	-5	-5	20	197	0,05	-2	32	-2	22,3	22,1
19	7	7	-2	-6	-6	-2	-2	-5	-5	-5	-5	15	264	0,03	-2	36	-2	22,0	21,8
20	7	7	-2	-6	-6	-2	-2	-5	-5	-5	-5	24	164	0,02	-2	31	-2	22,0	21,7
21	7	7	-2	-6	-6	16	16	-5	-5	-5	-5	30	131	0,02	-2	14	-2	22,0	21,8
22	7	7	-2	-6	-6	16	16	-5	-5	-5	-5	20	197	0,02	-2	16	-2	21,9	21,8
23	7	7	-2	-6	-6	16	16	-5	-5	-5	-5	7	574	0,02	-2	15	-2	21,6	21,4

001/MEGAMETERS
00004/SUJANE CH-MIN

NO	NU2	NU3	NU4	NU5	NU6	NU7	NU8	NU9	NU10	NU11	NU12	NU13	NU14	NU15	NU16	NU17	NU18	NU19	NU20	NU21	NU22	NU23	NU24	NU25	NU26	NU27	NU28	NU29	NU30	NU31	NU32	NU33	NU34	NU35	NU36	NU37	NU38	NU39	NU40	NU41	NU42	NU43	NU44	NU45	NU46	NU47	NU48	NU49	NU50	NU51	NU52	NU53	NU54	NU55	NU56	NU57	NU58	NU59	NU60	NU61	NU62	NU63	NU64	NU65	NU66	NU67	NU68	NU69	NU70	NU71	NU72	NU73	NU74	NU75	NU76	NU77	NU78	NU79	NU80	NU81	NU82	NU83	NU84	NU85	NU86	NU87	NU88	NU89	NU90	NU91	NU92	NU93	NU94	NU95	NU96	NU97	NU98	NU99	NU100
0	7	7	02	02	4	4	16	16	05	05	05	10	398	0,02	-2	18	-2	21,3	21,2																																																																																
1	7	7	02	02	33	34	16	16	05	05	05	70	56	0,02	-2	20	-2	20,3	21,0																																																																																
2	6	6	02	02	26	26	16	16	05	05	05	75	52	0,02	-2	12	-2	20,4	20,3																																																																																
3	6	6	02	02	24	27	-1	-1	05	05	05	72	54	0,02	-2	11	-2	20,1	20,3																																																																																
4	7	7	02	02	20	24	-1	-1	05	05	05	69	57	0,02	-2	10	-2	21,1	21,4																																																																																
5	7	7	02	02	25	22	-1	-1	05	05	05	53	74	0,03	-2	14	-2	21,8	21,8																																																																																
6	7	7	02	02	22	25	-1	-1	05	05	05	65	60	0,04	-2	12	-2	22,1	22,2																																																																																
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10	7	7	02	02	35	43	16	16	05	05	05	68	58	0,15	-2	9	-2	23,4	23,3																																																																																
11	7	7	02	02	40	43	-1	-1	05	05	05	55	71	0,16	-2	11	-2	22,9	22,6																																																																																
12	7	7	02	02	60	58	-1	-1	05	05	05	102	38	0,14	-2	20	-2	21,7	21,6																																																																																
13	7	7	15	15	61	61	18	18	05	05	05	-2	-2	0,08	-2	16	-2	21,3	21,5																																																																																
14	8	8	8	8	74	73	17	17	05	05	05	-2	-2	0,07	-2	27	-2	19,5	19,5																																																																																
15	7	7	7	7	63	62	17	17	05	05	05	195	20	0,05	-2	25	-2	21,5	19,7																																																																																
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18	5	5	5	5	53	54	-1	-1	05	05	05	171	23	0,08	-2	29	-2	19,5	20,0																																																																																
19	6	6	6	6	53	53	-1	-1	05	05	05	171	23	0,06	-2	27	-2	20,4	21,1																																																																																
20	6	6	6	6	53	53	16	16	05	05	05	152	26	0,04	-2	29	-2	21,5	21,6																																																																																
21	6	6	6	6	50	49	16	16	05	05	05	129	30	0,03	-2	31	-2	22,1	21,6																																																																																
22	6	6	6	6	39	41	16	16	05	05	05	101	39	0,03	-2	19	-2	22,3	22,4																																																																																
23	7	7	7	7	14	15	17	17	05	05	05	35	112	0,03	-2	15	-2	21,9	22,0																																																																																

001/MEGAMETERS
000CAL/SUNAKE GRAMIN

NO	NO	NO2	O3	ES	S	S	MC	MC	CO	CO	B-SC	VSB	SRAD	RH	MSPD	HDIR	Tals	T-75	
NO	NO	NO2	O3	ES	PARIS	PER	BILLION	MC	MC	CO	CO	B-SC	VSB	SRAD	RH	MSPD	HDIR	Tals	T-75
														%	MPH	N	C		
0	7	7	7	18	19	17	17	03	03	03	03	03	03	03	03	03	03	03	03
1	6	6	6	12	12	17	17	04	04	04	04	04	04	04	04	04	04	04	04
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4	6	6	6	6	0	0	16	03	03	03	03	03	03	03	03	03	03	03	03
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6	6	6	5	5	1	0	16	03	03	03	03	03	03	03	03	03	03	03	03
7	6	6	5	5	0	1	17	03	03	03	03	03	03	03	03	03	03	03	03
8	5	5	3	3	0	-1	-1	03	03	03	03	03	03	03	03	03	03	03	03
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14	3	3	5	5	32	36	-1	03	03	03	03	03	03	03	03	03	03	03	03
15	6	6	5	5	35	35	-1	03	03	03	03	03	03	03	03	03	03	03	03
16	6	6	6	6	51	51	16	03	03	03	03	03	03	03	03	03	03	03	03
17	6	6	6	6	40	43	-1	03	03	03	03	03	03	03	03	03	03	03	03
18	6	6	6	6	40	41	-1	03	03	03	03	03	03	03	03	03	03	03	03
19	5	5	3	3	32	31	-1	03	03	03	03	03	03	03	03	03	03	03	03
20	6	6	6	6	14	15	-1	03	03	03	03	03	03	03	03	03	03	03	03
21	8	8	8	8	6	10	17	03	03	03	03	03	03	03	03	03	03	03	03
22	8	8	9	9	-4	-4	17	03	03	03	03	03	03	03	03	03	03	03	03
23	7	7	6	6	-4	-4	16	03	03	03	03	03	03	03	03	03	03	03	03

001/HEGAMETERS
00001/SQUARE CM MIN

NO	NO	NU2	NU3	U3	S	HC	HC	CO	CO	B-SC	VSB	SRAD	RM	WSPD	WDIR	Tot19	Tot79	
PARTS PER BILLION																		
0	6	6	6	6	-4	-4	-1	-1	-5	-5	121	32	0.03	-2	0	-2	19.6	19.3
1	6	6	7	7	-4	-4	-1	-1	-5	-5	174	22	0.03	-2	0	-2	19.3	19.2
2	7	7	9	9	-4	-4	17	17	-5	-5	181	22	0.04	-2	7	-2	19.3	19.3
3	8	8	8	8	-4	-4	18	18	-5	-5	181	22	0.04	-2	5	-2	19.2	19.2
4	7	7	8	8	-4	-4	17	17	-5	-5	183	21	0.04	-2	3	-2	19.0	19.3
5	6	6	7	7	-4	-4	17	17	-5	-5	189	21	0.05	-2	6	-2	19.1	19.2
6	6	6	8	8	-4	-4	16	16	-5	-5	185	21	0.13	-2	2	-2	20.4	20.2
7	7	7	8	8	-4	-4	16	16	-5	-5	151	26	0.30	-2	1	-2	23.2	22.8
8	6	6	8	8	16	19	17	17	-5	-5	145	27	0.51	-2	5	-2	22.0	22.0
9	6	6	6	6	24	22	17	17	-5	-5	151	26	0.55	-2	5	-2	26.0	26.0
10	6	6	5	5	53	49	16	16	-5	-5	159	25	0.56	-2	6	-2	25.5	24.7
11	5	5	3	3	70	69	16	16	-5	-5	173	23	0.50	55	11	-2	24.1	23.7
12	5	5	3	3	73	73	17	17	-5	-5	159	25	0.55	53	14	-2	24.2	23.9
13	5	5	3	3	71	73	16	16	-5	-5	149	26	0.46	53	15	-2	24.3	23.8
14	5	5	3	3	81	77	16	16	-5	-5	146	27	0.44	53	15	-2	24.3	23.9
15	6	6	6	6	69	69	16	16	-5	-5	133	29	0.39	55	14	-2	24.2	23.8
16	6	6	5	5	63	67	17	17	-5	-5	141	28	0.22	60	13	-2	23.7	23.3
17	6	6	3	3	56	57	16	16	-5	-5	139	28	0.12	69	10	-2	23.3	23.1
18	5	5	3	3	45	44	16	16	-5	-5	134	29	0.10	74	7	-2	23.0	22.8
19	5	5	3	3	28	30	16	16	-5	-5	126	31	0.07	83	4	-2	22.2	22.0
20	6	6	3	3	17	15	16	16	-5	-5	108	36	0.06	85	6	-2	22.1	22.0
21	6	6	6	6	11	12	17	17	-5	-5	98	40	0.05	86	6	-2	22.6	22.2
22	6	6	6	6	9	8	16	16	-5	-5	97	40	0.05	87	4	-2	22.5	22.3
23	7	7	6	6	0	0	17	17	-5	-5	98	40	0.03	87	6	-2	22.5	22.4

0.1/MEGAMETERS
0.004/SQUARE CM/IN

NO	NO	NU2	NU3	03	03	S	S	MC	MC	CO	CO	B-SC	VSB	SRAD	RH	MSPD	NDIR	Tot15	Tot15
						PER BILLION							KH	dB	%	MPH	N	C	C
0	6	6	5	5	0	0	17	17	-5	-5	-5	46	85	0.03	75	6	-2	22.2	22.0
1	6	6	6	6	-4	-4	17	17	-5	-5	-5	48	82	0.03	84	2	-2	21.7	21.3
2	7	7	6	6	-4	-4	18	18	-5	-5	-5	52	75	0.03	88	2	-2	21.4	21.3
3	7	7	6	5	-4	-4	17	17	-5	-5	-5	73	54	0.03	87	4	-2	21.5	21.5
4	7	7	6	6	-4	-4	16	16	-5	-5	-5	98	40	0.03	89	4	-2	21.5	21.4
5	7	7	6	5	-4	-4	16	16	-5	-5	-5	74	53	0.03	90	4	-2	21.6	21.4
6	6	6	6	6	-4	-4	-1	-1	-5	-5	-5	49	80	0.15	86	7	-2	23.2	22.8
7	7	7	6	6	-4	-4	16	16	-5	-5	-5	41	96	0.40	67	7	-2	24.2	24.0
8	8	8	8	0	0	0	22	22	-5	-5	-5	36	109	0.55	60	10	-2	26.5	25.6
9	7	7	6	6	0	0	-1	-1	-5	-5	-5	26	151	0.60	60	16	-2	23.4	24.7
10	6	6	6	6	0	0	16	16	-5	-5	-5	27	146	0.16	67	17	-2	24.1	23.4
11	6	6	6	6	2	1	16	16	-5	-5	-5	28	140	0.18	92	16	-2	22.5	22.2
12	6	6	5	5	2	4	-1	-1	-5	-5	-5	26	151	0.12	93	14	-2	21.8	21.7
13	6	6	6	6	-4	-4	16	16	-5	-5	-5	24	164	0.09	93	10	-2	21.6	21.4
14	7	7	6	6	-4	-4	16	16	-5	-5	-5	27	146	0.09	93	12	-2	21.5	21.4
15	7	7	7	7	-4	-4	16	16	-5	-5	-5	25	157	0.10	93	10	-2	21.5	21.3
16	7	7	7	7	-4	-4	-1	-1	-5	-5	-5	20	197	0.11	93	12	-2	21.4	21.3
17	6	6	6	6	-4	-4	-1	-1	-5	-5	-5	17	232	0.13	93	9	-2	21.6	21.4
18	6	6	6	6	-4	-4	-1	-1	-5	-5	-5	22	179	0.09	88	3	-2	21.7	21.6
19	7	7	6	6	-4	-4	16	16	-5	-5	-5	23	171	0.08	89	6	-2	21.7	21.6
20	8	8	7	7	-4	-4	-1	-1	-5	-5	-5	23	171	0.06	90	2	-2	21.9	21.8
21	8	8	7	7	-4	-4	-1	-1	-5	-5	-5	26	151	0.04	91	5	-2	22.1	21.9
22	8	8	7	7	-4	-4	-1	-1	-5	-5	-5	26	151	0.04	91	4	-2	22.0	21.9
23	7	7	7	7	-1	-1	16	16	-5	-5	-5	45	87	0.04	92	2	-2	22.2	21.9

001/MEGAMETERS
0004/SQUARE CM-MIN

NUM	NO	NO2	NO3	NO3	S	S	MC	MC	CO	CO	B-SC	VSB	SRAD	RM	MSPD	MDIR	TotS	TotS
					PER	PER						KM	deg	%	MPH	M	C	C
0	8	8	0	0	16	16	-5	-5	-5	22	179	0.04	87	13	-2	21.9	21.7	
1	8	7	6	5	16	16	-5	-5	-5	11	361	0.04	86	11	-2	21.6	21.4	
2	8	7	12	11	16	16	-5	-5	-5	10	398	0.03	86	20	-2	21.8	21.7	
3	8	7	13	14	16	16	-5	-5	-5	10	398	0.03	82	25	-2	21.7	21.6	
4	7	6	10	10	16	16	-5	-5	-5	16	247	0.03	83	25	-2	21.3	21.3	
5	7	7	7	8	16	16	-5	-5	-5	21	188	0.08	83	20	-2	21.2	21.1	
6	8	7	7	7	16	16	-5	-5	-5	21	188	0.17	82	20	-2	21.5	21.4	
7	8	7	20	18	16	16	-5	-5	-5	28	140	0.15	77	23	-2	21.9	21.7	
8	8	7	41	43	16	16	-5	-5	-5	46	85	0.24	82	26	-2	22.1	22.3	
9	7	7	36	41	16	16	-5	-5	-5	59	66	0.48	73	21	-2	22.5	22.5	
10	7	7	61	61	16	16	-5	-5	-5	71	55	1.05	66	24	-2	24.3	24.0	
11	8	7	72	71	17	17	-5	-5	-5	80	49	1.10	52	27	-2	24.5	24.0	
12	8	6	56	52	16	16	-5	-5	-5	77	51	1.10	52	28	-2	23.9	23.6	
13	7	7	12	12	16	16	-5	-5	-5	54	72	0.45	57	52	-2	23.4	23.3	
14	7	7	4	5	16	16	-5	-5	-5	43	91	0.68	62	31	-2	22.6	22.3	
15	7	6	7	7	16	16	-5	-5	-5	34	115	0.60	56	30	-2	23.0	22.6	
16	7	6	5	4	16	16	-5	-5	-5	27	146	0.39	55	29	-2	22.4	22.2	
17	7	7	0	0	16	16	-5	-5	-5	24	164	0.10	56	30	-2	21.6	21.5	
18	7	6	1	0	16	16	-5	-5	-5	22	179	0.02	61	30	-2	21.2	21.0	
19	7	6	2	2	16	16	-5	-5	-5	23	171	0.01	66	30	-2	20.8	20.7	
20	7	7	3	5	16	16	-5	-5	-5	20	197	0.01	67	31	-2	20.8	20.5	
21	7	7	5	4	16	16	-5	-5	-5	22	179	0.01	62	29	-2	20.8	20.7	
22	7	7	7	7	16	16	-5	-5	-5	25	157	0.01	59	28	-2	20.9	20.7	
23	7	7	7	6	16	16	-5	-5	-5	22	179	0.01	58	23	-2	20.7	20.6	

0.1/MEGAMETERS
0.01/5 SQUARE CM MIN

NO	NO	NO2	O3	S	MC	MC	CO	CO	CO	CO-SC	VSB	SRAD	RH	WSPD	WDJR	T-15	T-75
PARTS PER BILLION																	
											KM	%	%	MPH	N	C	C
0	0	7	7	16	16	-5	-5	-5	-5	22	179	0.01	57	22	-2	20.4	20.4
1	0	7	8	16	16	-5	-5	-5	-5	21	188	0.01	55	25	-2	20.3	20.3
2	0	7	12	16	16	-5	-5	-5	-5	19	207	0.01	53	24	-2	20.2	20.1
3	0	6	13	16	16	-5	-5	-5	-5	19	207	0.01	49	22	-2	19.9	19.9
4	6	6	8	16	16	-5	-5	-5	-5	17	232	0.02	56	23	-2	19.0	19.0
5	7	6	8	16	16	-5	-5	-5	-5	19	207	0.07	63	25	-2	19.0	18.8
6	0	7	8	16	16	-5	-5	-5	-5	21	188	0.21	61	23	-2	19.7	20.0
7	0	7	8	16	16	-5	-5	-5	-5	22	179	0.50	57	23	-2	20.7	20.9
8	0	7	11	16	16	-5	-5	-5	-5	22	179	0.61	52	25	-2	21.3	21.3
9	7	7	11	16	16	-5	-5	-5	-5	21	188	0.99	44	23	-2	22.0	21.6
10	7	7	14	16	16	-5	-5	-5	-5	20	197	1.12	39	22	-2	22.4	22.1
11	7	8	18	16	16	-5	-5	-5	-5	19	207	1.10	37	20	-2	22.8	22.4
12	0	9	15	16	16	-5	-5	-5	-5	20	197	1.14	34	20	-2	23.1	22.9
13	9	9	12	16	16	-5	-5	-5	-5	21	188	1.09	33	20	-2	23.0	22.9
14	0	8	14	16	16	-5	-5	-5	-5	20	197	1.04	33	19	-2	22.9	23.1
15	0	6	12	16	16	-5	-5	-5	-5	17	232	0.80	37	18	-2	23.3	22.9
16	0	7	10	-1	-1	-5	-5	-5	-5	19	207	0.49	38	18	-2	22.8	22.6
17	0	4	5	16	16	-5	-5	-5	-5	20	197	0.28	53	17	-2	22.3	22.1
18	0	8	9	16	16	-5	-5	-5	-5	22	179	0.06	58	17	-2	21.3	21.2
19	0	8	13	16	16	-5	-5	-5	-5	22	179	0.01	58	17	-2	20.9	20.7
20	0	7	13	16	16	-5	-5	-5	-5	25	157	0.01	56	17	-2	20.8	20.7
21	9	7	14	16	16	-5	-5	-5	-5	25	157	0.01	56	16	-2	20.7	20.6
22	9	7	12	16	16	-5	-5	-5	-5	26	151	0.00	57	16	-2	20.6	20.5
23	9	7	20	16	16	-5	-5	-5	-5	29	135	0.00	58	14	-2	20.4	20.4

0.01/MEGAMETERS
0.01/AL/SQUARE CM-MIN

NO	NO	NO2	O3	O3	S	HC	HC	CO	CO	B-SC	VSB	SRAD	RH	WSPD	WDIR	TotS	TotC	
PARTS PER BILLION																		
0	9	9	7	7	19	21	15	16	-5	-5	31	127	0.00	37	15	-2	20.3	20.6
1	8	8	8	8	12	12	16	16	-5	-5	32	123	0.00	37	11	-2	20.1	20.3
2	8	8	7	7	14	14	16	16	-5	-5	29	135	0.00	67	7	-2	20.0	19.8
3	8	8	7	7	10	12	-1	-1	-5	-5	32	123	0.00	63	6	-2	18.7	19.2
4	8	8	7	7	15	18	-1	-1	-5	-5	32	123	0.00	61	9	-2	19.6	19.5
5	8	8	7	7	15	16	-1	-1	-5	-5	32	123	0.01	59	10	-2	19.9	19.7
6	8	8	8	8	14	15	-1	-1	-5	-5	29	135	0.07	50	11	-2	21.4	21.6
7	8	8	8	8	12	12	-1	-1	-5	-5	27	146	0.26	37	11	-2	22.5	23.1
8	8	8	8	8	18	20	-1	-1	-5	-5	22	179	0.50	36	12	-2	23.0	23.4
9	8	8	8	8	14	13	16	16	-5	-5	26	151	0.63	34	11	-2	22.9	22.8
10	8	8	7	7	20	19	16	16	-5	-5	25	157	0.92	33	10	-2	24.2	23.8
11	8	8	7	7	19	20	17	17	-5	-5	24	164	1.05	31	10	-2	24.2	24.3
12	8	8	8	8	23	22	16	16	-5	-5	22	179	1.13	29	12	-2	23.7	23.9
13	8	8	8	8	23	23	16	16	-5	-5	25	157	1.13	26	11	-2	23.9	24.2
14	8	8	8	8	27	26	16	16	-5	-5	25	157	1.00	31	11	-2	24.1	24.1
15	8	8	8	8	22	22	16	16	-5	-5	22	179	0.62	34	12	-2	23.6	23.3
16	8	8	8	8	21	20	16	16	-5	-5	23	171	0.41	34	12	-2	23.3	23.0
17	9	8	9	9	16	15	16	16	-5	-5	22	179	0.19	47	12	-2	22.5	22.4
18	8	8	9	9	14	14	16	16	-5	-5	26	151	0.08	58	9	-2	21.1	21.2
19	8	8	8	8	12	10	16	16	-5	-5	29	135	0.01	72	8	-2	20.1	20.1
20	8	8	8	8	7	8	16	16	-5	-5	26	151	0.00	77	6	-2	19.6	19.9
21	7	7	9	9	-4	-4	-1	-1	-5	-5	27	146	0.00	81	7	-2	18.5	18.6
22	7	7	8	8	-4	-4	-1	-1	-5	-5	27	146	0.00	79	8	-2	18.3	18.4

0.1/MEGAMETERS
0.04/SQARE CM MIN

NUJN NO NO NUZ N32 O3 O3 S S MC MC CO CO B-SC VSO SRAD RM WSPD WQJA T-13 T-75
PARTS PER BILLION MC MC CO CO B-SC VSO SRAD RM WSPD WQJA T-13 T-75
23 0 0 0 0 0 0 0 -1 -1 05 05 26 191 0.00 00 6 -2 10.3 10.4

991/MEGAMETERS
995A/SQUARE CM-MIN

ORIGINAL PAGE IS
OF POOR QUALITY

HAJUK	NO	NU2	NU3	NU3	S	HC	HC	CO	CO	0-SC	VSB	SRAD	RH	MSPD	MDIR	T-15	T-75
					PER BILLION						KH	MM	%	MPH	N	C	C
0	8	8	0	0	16	16	-5	-5	-5	25	157	0.00	79	6	-2	18.5	18.5
1	8	8	0	0	16	16	-5	-5	-5	25	157	0.00	70	7	-2	19.0	18.7
2	8	8	7	5	16	16	-5	-5	-5	22	179	0.00	73	8	-2	19.5	19.3
3	8	8	7	2	16	16	-5	-5	-5	22	179	0.00	73	8	-2	19.6	19.4
4	7	7	7	2	4	-1	-5	-5	-5	25	157	0.00	73	7	-2	19.9	19.9
5	7	7	9	0	16	16	-5	-5	-5	24	164	0.00	73	0	-2	19.9	19.7
6	7	7	7	-4	-1	-1	-5	-5	-5	28	140	0.02	74	2	-2	20.2	20.1
7	7	7	8	-4	16	16	-5	-5	-5	32	123	0.12	67	4	-2	21.8	21.2
8	7	7	9	-4	16	16	-5	-5	-5	62	63	0.19	60	6	-2	22.9	22.2
9	8	8	8	60	65	17	-5	-5	-5	89	44	0.49	55	6	-2	24.7	24.4
10	7	7	9	65	63	18	-5	-5	-5	116	34	0.68	49	8	-2	26.6	25.9
11	7	7	7	55	64	18	-5	-5	-5	140	28	0.38	47	10	-2	25.5	25.7
12	7	7	7	113	96	18	-5	-5	-5	154	25	0.73	50	10	-2	25.7	25.9
13	7	7	7	102	103	17	-5	-5	-5	151	26	0.68	47	11	-2	25.9	25.1
14	7	7	7	95	93	17	-5	-5	-5	132	30	0.67	52	14	-2	26.0	26.0
15	6	6	8	166	165	18	-5	-5	-5	162	24	0.65	58	17	-2	25.3	24.9
16	6	6	9	136	136	17	-5	-5	-5	139	28	0.47	62	16	-2	25.0	24.5
17	6	6	7	56	55	16	-5	-5	-5	106	37	0.25	72	14	-2	24.4	24.0
18	7	7	6	47	48	16	-5	-5	-5	95	41	0.12	77	11	-2	23.7	23.4
19	7	7	6	40	43	16	-5	-5	-5	82	48	0.02	82	7	-2	23.1	22.9
20	7	7	6	40	39	16	-5	-5	-5	86	45	0.01	86	6	-2	22.6	22.4
21	6	6	6	28	31	16	-5	-5	-5	91	43	0.00	87	5	-2	22.3	22.1
22	6	6	6	17	15	16	-5	-5	-5	93	42	0.00	88	9	-2	22.3	22.0
23	7	7	7	8	7	16	-5	-5	-5	97	40	0.00	88	10	-2	21.9	21.7

001/MEGAMETERS
00014/SUAKI CHOMIN

MJUN	NO	NO	NO2	O3	O3	S	S	HC	HC	CO	CO	D-SC	VSB	SRAD	RH	WSPD	MDIR	Tals	T-75
						PER BILLION							KM	PPH	%	MPH	N	C	C
0	7	7	7	7	2	2	16	16	-5	-5	-5	102	38	0.01	88	10	-2	21.7	21.5
1	8	8	7	7	1	1	17	17	-5	-5	-5	99	39	0.01	88	11	-2	21.2	21.1
2	6	6	7	7	0	0	17	17	-5	-5	-5	96	41	0.01	88	12	-2	20.9	20.8
3	6	6	6	6	0	0	17	17	-5	-5	-5	92	42	0.01	88	12	-2	20.7	20.6
4	7	7	7	7	0	0	18	18	-5	-5	-5	106	37	0.02	88	12	-2	20.3	20.4
5	7	7	7	7	-4	-4	18	18	-5	-5	-5	102	38	0.02	89	12	-2	20.6	20.3
6	7	7	7	7	-4	-4	17	17	-5	-5	-5	116	34	0.04	90	11	-2	20.7	20.6
7	7	7	7	7	-4	-4	17	17	-5	-5	-5	139	28	0.16	74	6	-2	23.0	22.7
8	7	7	7	7	7	10	17	17	-5	-5	-5	131	30	0.34	57	7	-2	26.4	25.5
9	6	6	7	7	40	41	17	17	-5	-5	-5	135	29	0.59	43	7	-2	28.8	27.4
10	6	6	7	7	74	79	17	17	-5	-5	-5	156	23	0.81	42	8	-2	29.7	28.7
11	6	6	7	7	129	140	18	18	-5	-5	-5	182	21	0.86	49	11	-2	21.0	21.0
12	6	6	5	5	123	132	18	18	-5	-5	-5	165	24	0.86	37	11	-2	21.0	21.0
13	6	6	5	5	84	74	17	17	-5	-5	-5	139	28	0.53	35	10	-2	21.0	21.0
14	6	6	5	5	87	80	17	17	-5	-5	-5	118	33	0.91	41	12	-2	21.0	21.0
15	6	6	5	5	71	71	17	17	-5	-5	-5	134	29	0.48	54	17	-2	21.0	21.0
16	6	6	5	5	57	60	16	16	-5	-5	-5	125	31	0.52	57	12	-2	21.0	21.0
17	5	5	6	6	28	34	16	16	-5	-5	-5	136	29	0.20	62	6	-2	21.0	21.0
18	5	5	3	3	32	34	17	17	-5	-5	-5	146	27	0.14	68	6	-2	21.0	21.0
19	5	5	6	6	18	22	16	16	-5	-5	-5	157	25	0.07	77	6	-2	21.0	21.0
20	6	6	5	5	7	10	16	16	-5	-5	-5	163	24	0.03	80	6	-2	21.0	21.0
21	6	6	5	5	0	3	16	16	-5	-5	-5	163	24	0.03	84	6	-2	21.0	21.0
22	6	6	5	5	0	0	16	16	-5	-5	-5	156	25	0.02	85	5	-2	21.0	21.0
23	6	6	5	5	0	0	16	16	-5	-5	-5	137	29	0.02	85	5	-2	21.0	21.0

PPH/MEGAMETERS
CENTAL/SUVAKE CMHIN

NO	NO	NO2	O3	O3	S	S	HC	HC	CO	CO	B-SC	VSB	SRAD	RM	WSPD	MDIR	TM19	TM75
PARTS PER BILLION																		
0	5	3	3	-4	-4	17	17	-5	-5	-5	160	24	0.02	66	6	-2	-2.0	-2.0
1	5	5	5	-4	-4	17	17	-5	-5	-5	157	25	0.02	68	6	-2	-2.0	-2.0
2	5	5	5	-4	-4	17	17	-5	-5	-5	155	25	0.02	66	5	-2	-2.0	-2.0
3	6	6	6	-4	-4	18	18	-5	-5	-5	163	24	0.02	69	3	-2	-2.0	-2.0
4	6	6	6	-4	-4	16	16	-5	-5	-5	135	29	0.03	69	7	-2	-2.0	-2.0
5	6	6	6	-4	-4	16	16	-5	-5	-5	130	30	0.04	68	4	-2	-2.0	-2.0
6	7	7	7	-4	-4	16	16	-5	-5	-5	155	25	0.06	66	5	-2	-2.0	-2.0
7	6	6	6	0	0	17	17	-5	-5	-5	116	36	0.21	57	8	-2	-2.0	-2.0
8	6	6	6	34	31	19	19	-5	-5	-5	86	45	0.37	47	10	-2	-2.0	-2.0
9	7	7	7	30	33	22	22	-5	-5	-5	-2	-2	0.62	34	7	-2	29.0	29.1
10	6	6	6	41	43	19	19	-5	-5	-5	-2	-2	0.81	37	9	-2	28.5	28.9
11	7	7	7	63	64	18	18	-5	-5	-5	155	25	0.99	37	10	-2	28.3	28.8
12	7	7	7	74	73	18	18	-5	-5	-5	175	22	1.01	34	7	-2	28.8	28.8
13	7	7	7	63	62	17	17	-5	-5	-5	167	23	1.00	38	10	-2	28.2	27.7
14	6	6	7	77	77	17	17	-5	-5	-5	170	23	0.98	48	13	-2	27.2	26.7
15	6	6	7	87	86	17	17	-5	-5	-5	189	21	0.74	55	17	-2	27.1	26.6
16	7	7	8	91	89	17	17	-5	-5	-5	204	19	0.63	60	16	-2	26.6	26.1
17	8	8	8	90	89	17	17	-5	-5	-5	203	19	0.29	66	12	-2	26.3	25.8
18	7	7	8	103	102	17	17	-5	-5	-5	218	18	0.15	75	9	-2	25.3	25.0
19	7	7	8	48	49	16	16	-5	-5	-5	176	22	0.17	66	4	-2	24.6	24.0
20	6	6	7	20	18	-1	-1	-5	-5	-5	113	35	0.15	67	4	-2	24.0	23.8
21	6	7	7	-4	-4	16	16	-5	-5	-5	121	32	0.03	69	-4	-2	22.8	23.0
22	6	6	7	-4	-4	16	16	-5	-5	-5	128	31	0.03	69	-4	-2	22.2	22.6
23	7	7	8	-4	-4	16	16	-5	-5	-5	118	33	0.03	69	-4	-2	21.5	21.8

001/MEGAMETERS
0001/SUARE CM-MIN

MARK	NO	NO	NUZ	03	03	S	S	HC	HC	CO	CO	D-SC	VSM	SRAD	RH	MSPD	WDIR	Tols	T-75
													KM	°	%	MPH	N	°C	°C
0	6	6	8	8	04	04	16	16	05	05	05	111	35	0.03	89	0	02	21.3	21.3
1	7	7	8	8	04	04	16	16	05	05	05	93	42	0.03	88	3	02	21.3	21.8
2	7	7	7	7	04	04	16	16	05	05	05	93	42	0.03	88	5	02	21.2	21.3
3	6	6	7	7	04	04	16	16	05	05	05	92	42	0.03	89	5	02	21.0	21.3
4	6	6	7	7	04	04	16	16	05	05	05	87	45	0.03	89	1	02	20.9	21.0
5	6	6	7	7	04	04	16	16	05	05	05	87	45	0.04	88	2	02	21.0	21.2
6	6	6	8	8	04	04	16	16	05	05	05	88	44	0.08	87	4	02	23.0	22.8
7	6	6	7	7	04	04	19	19	05	05	05	116	34	0.20	72	2	02	27.7	27.4
8	6	6	7	7	5	8	22	22	05	05	05	153	26	0.37	57	6	02	28.3	27.8
9	6	6	7	7	38	37	26	26	05	05	05	144	27	0.62	52	14	02	27.7	29.4
10	6	6	6	6	57	59	21	21	05	05	05	131	30	0.83	52	17	02	27.3	26.9
11	6	6	6	6	43	44	20	20	05	05	05	123	32	1.08	53	19	02	27.2	26.4
12	7	7	8	8	47	47	19	19	05	05	05	137	29	0.97	55	21	02	27.0	26.3
13	7	7	8	8	22	18	16	16	05	05	05	103	38	0.95	59	21	02	26.9	28.0
14	7	7	7	7	44	44	18	18	05	05	05	156	25	0.73	63	21	02	26.4	25.9
15	6	6	7	7	26	24	16	16	05	05	05	89	44	0.57	67	20	02	26.3	25.9
16	6	6	6	6	10	9	16	16	05	05	05	58	44	0.49	68	19	02	26.0	25.7
17	6	6	6	6	6	5	17	17	05	05	05	81	48	0.19	75	15	02	25.5	25.1
18	7	7	7	7	3	2	17	17	05	05	05	79	49	0.11	77	9	02	24.7	24.4
19	7	7	7	7	7	8	16	16	05	05	05	81	48	0.07	81	6	02	24.4	24.0
20	6	6	7	7	4	1	16	16	05	05	05	82	48	0.05	83	5	02	23.9	23.7
21	6	6	6	6	04	04	16	16	05	05	05	76	51	0.04	83	4	02	24.0	23.7
22	7	7	6	6	04	04	16	16	05	05	05	73	54	0.03	84	2	02	23.8	23.6
23	7	7	8	8	04	04	16	16	05	05	05	64	61	0.03	87	3	02	23.6	23.3

0.1/MEGAMETERS
0.05CAL/SQUARE CENTIM

MJUK	NO	NO	N02	O3	S	HC	HC	CO	CO	B-SC	VSB	SRAD	RH	WSPD	WDJR	T-75
					PER BILLION						KM	°C	%	MPH	IN	°C
0	7	7	0	0	-1	-1	-5	-5	-5	59	66	0.03	86	6	-2	23.5
1	7	7	0	0	-1	-1	-5	-5	-5	61	64	0.03	88	7	-2	23.0
2	6	6	7	7	-1	-1	-5	-5	-5	68	58	0.03	88	7	-2	22.6
3	7	7	7	7	-1	-1	-5	-5	-5	68	58	0.03	87	7	-2	22.3
4	7	7	0	0	-1	-1	-5	-5	-5	65	60	0.03	87	6	-2	22.1
5	7	7	0	0	-1	-1	-5	-5	-5	71	55	0.03	86	6	-2	22.3
6	7	7	0	0	-1	-1	-5	-5	-5	75	52	0.04	84	6	-2	22.7
7	6	6	7	7	0	0	-5	-5	-5	70	56	0.15	73	10	-2	23.9
8	7	7	7	7	0	0	-5	-5	-5	70	56	0.28	66	15	-2	25.3
9	7	7	7	7	6	16	-5	-5	-5	66	59	0.66	56	16	-2	26.9
10	8	8	0	0	16	16	-5	-5	-5	68	58	0.78	51	13	-2	28.1
11	7	7	9	9	16	16	-5	-5	-5	72	54	1.03	42	12	-2	29.8
12	6	6	0	0	16	16	-5	-5	-5	102	38	0.80	38	12	-2	30.5
13	6	6	0	0	16	16	-5	-5	-5	127	31	0.87	38	15	-2	30.7
14	6	6	7	7	16	16	-5	-5	-5	137	29	0.81	38	16	-2	30.5
15	6	6	7	7	16	16	-5	-5	-5	142	28	0.62	38	16	-2	30.4
16	6	6	0	0	16	16	-5	-5	-5	136	29	0.49	39	15	-2	30.3
17	6	6	0	0	16	16	-5	-5	-5	111	35	0.17	47	11	-2	28.9
18	7	7	0	0	16	16	-5	-5	-5	98	40	0.11	57	5	-2	27.6
19	5	5	7	7	16	16	-5	-5	-5	92	42	0.06	68	6	-2	28.6
20	6	6	0	0	16	16	-5	-5	-5	68	58	0.02	74	26	-2	22.7
21	6	6	7	7	16	16	-5	-5	-5	70	56	0.01	94	14	-2	21.6
22	6	6	7	7	16	16	-5	-5	-5	81	48	0.01	88	8	-2	21.7
23	7	7	7	7	16	16	-5	-5	-5	79	49	0.01	88	8	-2	21.6

0.1/MEGAMETERS
CENT/SQUARE CM-MIN

NU	NO	N02	03	03	S	MC	MC	CO	CO	0-SC	VSB	SRAD	RH	WSPD	WDJR	T015	T075
PARTS PER BILLION																	
											KM	00	%	MPH	N	C	C
0	7	7	7	0	0	16	16	-5	-5	76	51	0,03	91	7	-2	21,2	21,6
1	7	7	7	-4	-4	16	16	-5	-5	77	51	0,01	92	6	-2	20,7	20,8
2	6	6	6	-4	-4	16	16	-5	-5	77	51	0,01	92	11	-2	20,7	20,9
3	6	6	6	-4	-4	16	16	-5	-5	94	42	0,01	91	6	-2	20,9	21,2
4	6	6	6	-4	-4	17	17	-5	-5	101	39	0,01	90	6	-2	21,0	21,2
5	7	7	7	-4	-4	18	18	-5	-5	123	32	0,02	90	4	-2	21,1	21,3
6	6	6	7	-4	0	17	17	-5	-5	114	34	0,07	92	7	-2	23,0	23,3
7	7	7	7	-5	-5	17	17	-5	-5	101	39	0,19	66	12	-2	25,3	25,6
8	8	8	8	-5	-5	17	17	-5	-5	102	38	0,38	63	13	-2	25,7	25,7
9	6	6	7	-5	-5	17	17	-5	-5	109	36	0,46	-2	10	-2	26,3	26,0
10	6	6	7	-5	-5	17	17	-5	-5	119	33	0,58	-2	9	-2	27,1	26,3
11	6	6	7	-5	-5	17	17	-5	-5	113	35	0,80	-2	9	-2	28,0	27,3
12	6	6	7	-5	-5	22	20	-5	-5	116	34	1,00	-2	7	-2	28,5	28,0
13	6	6	7	-5	-5	17	17	-5	-5	120	33	0,97	34	9	-2	28,1	28,2
14	6	6	8	-5	-5	19	19	-5	-5	144	27	0,94	38	10	-2	27,3	26,9
15	6	6	7	-5	-5	19	19	-5	-5	161	24	0,61	37	7	-2	28,2	28,1
16	6	6	7	-5	-5	18	19	-5	-5	145	27	0,51	37	6	-2	27,8	28,0
17	5	5	7	-5	-5	17	17	-5	-5	149	26	0,22	52	6	-2	26,3	26,1
18	5	5	6	-5	-5	17	17	-5	-5	139	28	0,09	68	4	-2	26,1	24,3
19	5	5	6	-5	-5	17	17	-5	-5	162	24	0,04	87	2	-2	22,8	23,2
20	7	7	7	-5	-5	17	17	-5	-5	170	23	0,03	86	2	-2	21,3	22,2
21	6	6	7	-5	-5	17	17	-5	-5	175	22	0,01	89	-4	-2	22,1	22,3
22	6	6	6	-5	-5	17	17	-5	-5	176	22	0,01	90	-4	-2	21,0	21,9
23	7	7	7	-5	-5	17	17	-5	-5	173	23	0,01	90	-4	-2	20,8	21,2

001/MEGAMETERS
0004/5/SQUARE CM-MIN

MJUN	NO	NUZ	NJ2	O3	O3	S	MC	MC	CO	CO	B-SC	VSB	SRAD	AM	HSPD	MDIA	T-75
						PER BILLION						KM	°	%	MPH	M	° C
0	7	7	7	7	7	16	17	-5	-5	-5	176	22	0.01	90	4	-2	20.3
1	7	7	7	7	7	17	17	-5	-5	-5	169	23	0.01	90	4	-2	20.9
2	7	7	7	7	7	17	17	-5	-5	-5	162	24	0.01	90	4	-2	21.1
3	7	7	7	7	7	17	17	-5	-5	-5	115	34	-2.00	87	4	-2	22.5
4	7	7	7	7	7	17	17	-5	-5	-5	169	23	-2.00	83	7	-2	23.5
5	7	7	7	7	7	17	17	-5	-5	-5	159	25	-2.00	75	11	-2	23.7
6	7	7	7	7	7	17	17	-5	-5	-5	152	26	0.03	72	17	-2	24.4
7	7	7	7	7	7	17	17	-5	-5	-5	166	24	0.22	64	17	-2	25.4
8	7	7	7	7	7	17	17	-5	-5	-5	162	24	0.39	60	19	-2	25.3
9	7	7	7	7	7	17	17	-5	-5	-5	141	28	0.33	58	19	-2	25.3
10	7	7	7	7	7	17	17	-5	-5	-5	-2	-2	0.34	57	20	-2	25.6
11	7	7	7	7	7	18	18	-5	-5	-5	-2	-2	0.56	45	16	-2	26.5
12	6	6	7	7	7	18	18	-5	-5	-5	-2	-2	0.38	45	11	-2	25.5
13	6	6	7	7	7	21	21	-5	-5	-5	213	18	0.23	51	12	-2	24.7
14	7	7	7	7	7	18	18	-5	-5	-5	208	19	0.21	62	19	-2	24.5
15	6	6	7	7	7	17	17	-5	-5	-5	206	19	0.22	70	14	-2	25.2
16	6	6	7	7	7	17	17	-5	-5	-5	218	18	0.38	72	16	-2	25.5
17	6	6	7	7	7	18	18	-5	-5	-5	230	17	0.40	57	15	-2	21.5
18	6	6	7	7	7	17	17	-5	-5	-5	240	16	0.09	74	16	-2	24.1
19	6	6	7	7	7	17	17	-5	-5	-5	230	17	0.08	76	16	-2	24.0
20	6	6	7	7	7	17	17	-5	-5	-5	221	18	0.06	75	15	-2	24.0
21	7	7	7	7	7	17	17	-5	-5	-5	215	18	0.04	73	17	-2	24.0
22	7	7	7	7	7	16	16	-5	-5	-5	215	18	0.03	79	16	-2	23.8
23	7	7	7	7	7	16	16	-5	-5	-5	194	20	0.02	77	12	-2	23.7

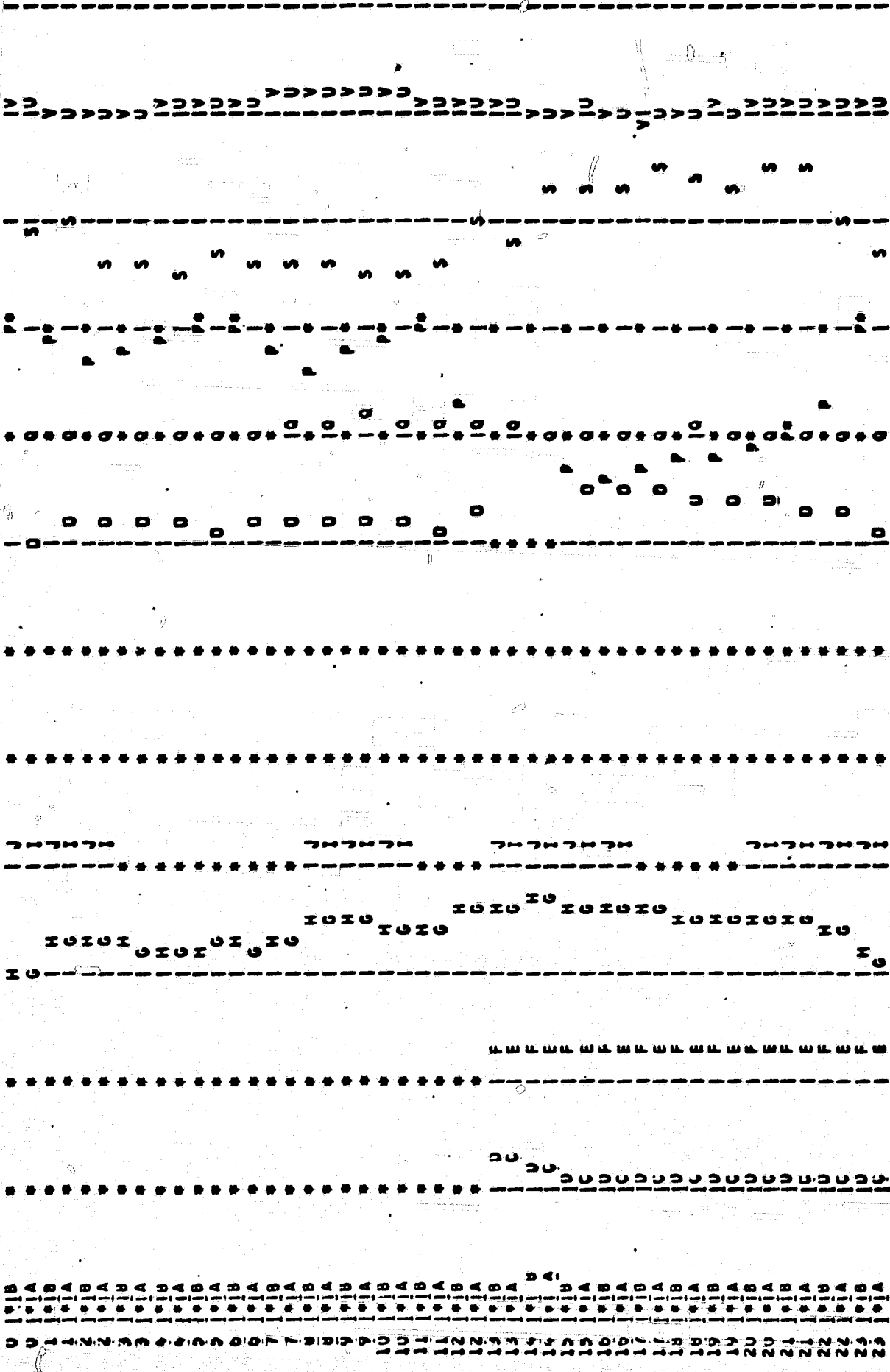
0.01/MEGABETERS
0.001/30/30AKE CM-MIN

NO	NO	NUZ	N32	03	03	S	S	MC	MC	CO	CO	B-SC	VSB	SRAD	RH	VSPD	MOIR	I-15	I-75
													KM	WV	%	MPH	IN	C	C
0	7	7	8	8	-5	-5	16	16	-5	-5	-5	182	21	0.02	77	15	-2	23.7	23.6
1	6	6	7	7	-5	-5	16	16	-5	-5	-5	161	24	0.02	79	17	-2	23.7	23.5
2	6	6	7	7	-5	-5	17	16	-5	-5	-5	172	23	0.02	80	16	-2	23.4	23.4
3	7	7	7	7	-5	-5	16	16	-5	-5	-5	171	23	0.02	80	15	-2	23.5	23.4
4	7	7	7	7	-5	-5	16	16	-5	-5	-5	151	26	0.02	79	17	-2	23.6	23.5
5	7	7	7	7	-5	-5	16	16	-5	-5	-5	126	31	0.07	76	19	-2	23.5	23.4
6	7	7	8	8	-5	-5	-1	-1	-5	-5	-5	90	43	0.18	49	19	-2	23.9	23.7
7	7	7	8	8	-5	-5	-1	-1	-5	-5	-5	82	48	0.50	53	20	-2	24.7	24.7
8	9	9	9	9	-5	-5	16	16	-5	-5	-5	63	62	0.51	43	12	-2	25.8	25.5
9	7	7	8	8	-5	-5	17	17	-5	-5	-5	76	51	0.66	43	19	-2	25.6	25.3
10	7	7	8	8	-5	-5	17	17	-5	-5	-5	73	54	0.82	44	19	-2	25.6	25.3
11	7	7	7	7	-5	-5	16	16	-5	-5	-5	64	61	1.00	38	21	-2	26.5	26.0
12	8	8	9	9	-5	-5	16	16	-5	-5	-5	70	56	1.00	38	20	-2	26.5	25.9
13	7	7	8	8	-5	-5	16	16	-5	-5	-5	91	43	0.97	38	21	-2	26.6	25.9
14	7	7	8	8	-5	-5	16	16	-5	-5	-5	130	30	0.63	45	21	-2	25.8	25.3
15	7	7	8	8	-5	-5	16	16	-5	-5	-5	152	26	0.52	50	20	-2	25.5	25.2
16	7	7	8	8	-5	-5	16	16	-5	-5	-5	160	24	0.39	54	22	-2	25.3	24.9
17	7	7	8	8	-5	-5	16	16	-5	-5	-5	175	22	0.10	71	16	-2	24.5	24.1
18	7	7	8	8	-5	-5	16	16	-5	-5	-5	181	22	0.03	75	23	-2	24.0	23.8
19	7	7	7	7	-5	-5	16	16	-5	-5	-5	171	23	0.01	74	26	-2	24.0	23.8
20	6	6	6	6	-5	-5	16	16	-5	-5	-5	146	27	0.01	73	22	-2	23.9	23.8
21	6	6	5	5	-5	-5	16	16	-5	-5	-5	141	28	0.01	70	21	-2	23.9	23.8
22	6	6	5	5	-5	-5	16	16	-5	-5	-5	138	28	0.01	68	21	-2	24.0	23.8
23	5	5	3	3	-5	-5	16	16	-5	-5	-5	149	26	0.01	67	25	-2	23.9	23.7

001/MEGABETERS
CENTRAL/SQUARE CH-MIN

MJUK	NO	NUZ	N32	03	03	S	S	HC	HC	CO	CO	B-SC	VSB	SRAD	RH	WSPD	WDIR	Tm19	Tm19
						PARTS PER BILLION							KM	%%	%	MPH	N	C	C
0	5	5	5	5	5	16	16	5	5	5	5	162	24	0,01	67	26	02	23,8	23,7
1	6	6	6	5	5	16	16	5	5	5	5	137	29	0,01	69	22	02	23,8	23,6
2	7	7	7	5	5	16	16	5	5	5	5	70	56	0,01	71	25	02	23,7	23,5
3	6	6	6	5	5	16	16	5	5	5	5	89	44	0,01	74	26	02	23,7	23,5
4	6	6	5	5	5	16	16	5	5	5	5	101	39	0,01	76	24	02	23,6	22,5
5	6	6	6	5	5	16	16	5	5	5	5	91	43	0,03	75	23	02	23,7	23,5
6	7	7	6	5	5	16	16	5	5	5	5	89	44	0,09	74	23	02	23,9	23,6
7	8	8	7	5	5	16	16	5	5	5	5	82	48	0,23	70	27	02	24,0	23,9
8	7	7	6	5	5	16	16	5	5	5	5	77	51	0,48	69	25	02	24,6	24,3
9	6	6	6	5	5	16	16	5	5	5	5	76	51	0,49	59	22	02	25,9	25,2
10	6	6	6	5	5	17	17	5	5	5	5	75	52	0,97	62	22	02	25,8	25,3
11	6	6	5	5	5	17	17	5	5	5	5	61	64	0,90	51	27	02	25,9	25,3
12	5	5	3	5	5	16	16	5	5	5	5	58	67	0,52	54	26	02	25,6	25,0
13	5	5	5	5	5	16	16	5	5	5	5	61	64	0,62	59	29	02	25,2	24,7
14	6	6	5	5	5	16	16	5	5	5	5	59	66	0,62	57	32	02	25,3	24,7
15	2	2	2	2	2	2	2	5	5	5	5	2	2	2,00	2	2	02	22,0	22,0
16	2	2	2	2	2	2	2	5	5	5	5	2	2	2,00	2	2	02	22,0	22,0
17	2	2	2	2	2	2	2	5	5	5	5	2	2	2,00	2	2	02	22,0	22,0
18	2	2	2	2	2	2	2	5	5	5	5	2	2	2,00	2	2	02	22,0	22,0
19	2	2	2	2	2	2	2	5	5	5	5	2	2	2,00	2	2	02	22,0	22,0
20	2	2	2	2	2	2	2	5	5	5	5	2	2	2,00	2	2	02	22,0	22,0
21	2	2	2	2	2	2	2	5	5	5	5	2	2	2,00	2	2	02	22,0	22,0
22	2	2	2	2	2	2	2	5	5	5	5	2	2	2,00	2	2	02	22,0	22,0

001/MEGAMETERS
0001A/SUJANE CHAMIN



MOUR	NO	NO2	NOX	OZONE	SULFUR	HYD-CRB	CO	VISBY	REL HUM	WND-DIR	TEMP	TEMP
1 INCH	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
2 INCH	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	400.00	1.50	20.00	20.00	20.00

MOJUR	NO	N32	NOX	OZONE	SULFUR	HYD-CRB	CO	VISBY	REL HUM	WIND-DIR	TEMP	TEMP
00	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
01	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
02	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
03	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
04	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
05	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
06	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
07	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
08	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
09	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
10	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
11	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
12	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
13	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
14	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
15	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
16	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
17	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
18	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
19	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
20	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
21	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
22	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
23	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
24	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
25	1	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00

MUN	IND	N32	NOX	OZONE	SULFUR	HYD-CRB	CO	VISBY	REL HUM	WIND-DIR	TEMP	TEMP
001	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
002	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
003	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
004	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
005	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
006	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
007	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
008	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
009	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
010	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
011	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
012	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
013	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
014	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
015	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
016	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
017	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
018	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
019	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
020	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
021	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
022	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
023	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00
024	A:4	55.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	29.00	20.00

1 INCH = 50.00 NO 55.00 NOX 50.00 OZONE 100.00 SULFUR 100.00 HYD-CRB 5000.00 CO 5000.00 VISBY 30.00 REL HUM 100.00 WIND-DIR 360.00 TEMP 29.00
 1 INCH = 50.00 NO 55.00 NOX 50.00 OZONE 100.00 SULFUR 100.00 HYD-CRB 5000.00 CO 5000.00 VISBY 30.00 REL HUM 100.00 WIND-DIR 360.00 TEMP 29.00

MOUR NO 50.00 NO 50.00 NO 50.00
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 NO 50.00 NO 50.00 NO 50.00

MOUR	NO	N32	N32	NOX	OZONE	SULFUR	SULFUR	HYD-CRB	CO	VISBY	REL HUM	WIND-DIR	TEMP	TEMP
1	INCH 5	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
1	INCH 5	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	5000.00	B-SCAT	1.50	20.00	20.00	20.00

01
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MOUR	NO	NZ	NOX	OZONE	SULFUR	HYD-CRS	CO	VISSY	REL HUM	WND-DIR	TEMP
1 INCH	50.00	39.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
1 INCH	50.00	39.00	50.00	100.00	100.00	5000.00	5000.00	B-SCAT	SQL RAD	WND SPD	TEMP
								400.00	1.50	20.00	20.00

24

MIN	NO	N32	NOX	OZONE	SULFUR	HYD-CRB	CO	VISBY	REL HUM	WND-DIR	TEMP
00	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
01	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
02	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
03	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
04	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
05	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
06	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
07	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
08	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
09	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
10	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
11	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
12	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
13	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
14	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
15	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
16	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
17	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
18	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
19	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
20	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
21	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
22	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
23	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
24	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00

MIN	NO	N32	NOX	OZONE	SULFUR	HYD-CRB	CO	VISBY	REL HUM	WND-DIR	TEMP
1 INCH	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
1 INCH	00.00	30.00	50.00	100.00	100.00	5000.00	5000.00	400.00	1.50	20.00	20.00

CAPE HENRY - AUG 18 1974

MOUR	NO	N32	NOX	OZONE	SULFUR	HYD-CRB	CO	VISBY	REL HUM	WND-DIR	TEMP	TEMP
00	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
01	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
02	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
03	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
04	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
05	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
06	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
07	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
08	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
09	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
10	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
11	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
12	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
13	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
14	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
15	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
16	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
17	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
18	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
19	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
20	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
21	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
22	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
23	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00
24	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00	20.00


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      1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22
      B  A  A  A  A  A  A  A  A  A  A  A  A  A  A  A  A  A  A  A  A  A
      V  U  U  U  U  U  U  U  U  U  U  U  U  U  U  U  U  U  U  U  U  U
      D  C  U  C  U  C  U  C  U  C  U  C  U  C  U  C  U  C  U  C  U  C  U
      N  D  50.00  N  D  50.00  N  D  50.00  N  D  50.00  N  D  50.00
      N  O  X  50.00  N  O  X  50.00  N  O  X  50.00  N  O  X  50.00
      O  Z  O  N  E  100.00  O  Z  O  N  E  100.00  O  Z  O  N  E  100.00
      S  U  L  F  U  R  100.00  S  U  L  F  U  R  100.00  S  U  L  F  U  R  100.00
      H  Y  D  -  C  R  5000.00  H  Y  D  -  C  R  5000.00  H  Y  D  -  C  R  5000.00
      C  O  5000.00  C  O  5000.00  C  O  5000.00  C  O  5000.00
      V  I  S  B  Y  30.00  V  I  S  B  Y  30.00  V  I  S  B  Y  30.00
      R  E  L  H  U  M  100.00  R  E  L  H  U  M  100.00  R  E  L  H  U  M  100.00
      W  I  N  D  -  D  I  R  360.00  W  I  N  D  -  D  I  R  360.00  W  I  N  D  -  D  I  R  360.00
      T  E  M  P  20.00  T  E  M  P  20.00  T  E  M  P  20.00
      P  Q  Q  Q  Q  Q  Q  Q  Q  Q  Q  Q  Q  Q  Q  Q  Q  Q  Q  Q  Q  Q
      R  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I  I
      S  S  S  S  S  S  S  S  S  S  S  S  S  S  S  S  S  S  S  S  S
      V  U  U  U  U  U  U  U  U  U  U  U  U  U  U  U  U  U  U  U  U  U
  
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NOUR	NO	N02	NOX	OZONE	SULFUR	HYD-CRB	CO	VISBY	REL HUM	WIND-DIR	TEMP
1	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	30.00	100.00	360.00	20.00
1	50.00	50.00	50.00	100.00	100.00	5000.00	5000.00	400.00	1.50	20.00	20.00