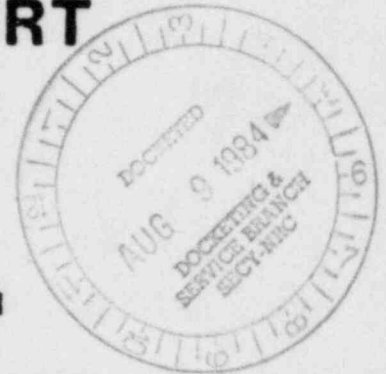


ENVIRONMENTAL MEASUREMENTS LABORATORY ENVIRONMENTAL REPORT

PREPARED BY
EDWARD P. HARDY, JR.
ENVIRONMENTAL STUDIES DIVISION



SEPTEMBER 1, 1980 THROUGH MARCH 1, 1981



NUCLEAR REGULATORY COMMISSION

Docket No. 50-352/353 Official Ex. No. 173
 the matter of PECO - Limerick 102

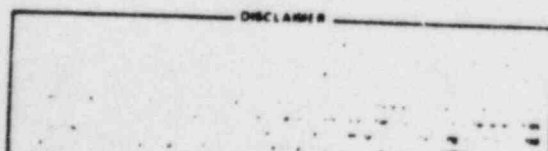
Staff	IDENTIFIED	<input checked="" type="checkbox"/>
Applicant	RECEIVED	<input checked="" type="checkbox"/>
Intervenor	REJECTED	<input type="checkbox"/>
Com'g Off'y		
Contractor	DATE	<u>6/19/84</u>
Other	Witness	
Reporter		<u>Mary Simon</u>

MAY 1, 1981

ENVIRONMENTAL MEASUREMENTS LABORATORY

U.S. DEPARTMENT OF ENERGY

NEW YORK, N.Y. 10014



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1757-092

CESTUM - 137 CONCENTRATIONS IN SURFACE AIR DURING 1963
(FEMTOCURIES / CUBIC METER)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
THULE, GREENLAND	13.10	58.97	90.00	129.00	95.70	41.10	71.90	58.95	35.77	26.60	28.60	12.30
MOOSENEE, ONTARIO	21.90	49.90	26.30	73.00	113.00	112.00	96.50	64.73	43.80	37.50	14.60	22.13
NEW YORK, NEW YORK	--	71.40	92.30	149.00	175.00	145.00	--	121.00	76.90	--	85.90	--
SIFRLING, VIRGINIA	3.84	147.00	71.90	126.00	126.00	136.00	130.00	96.73	62.70	54.40	33.50	22.10
MIAMI, FLORIDA	43.40	90.90	81.90	145.00	141.00	48.90	43.50	36.93	13.27	60.60	44.70	~7.00
MAUNA LOA, HAWAII	58.60	48.90	74.70	131.00	93.70	92.60	122.00	34.40	25.50	24.50	26.50	23.50
SAN JUAN, PUERTO RICO	22.50	30.90	57.00	102.00	54.40	59.60	31.60	31.73	15.73	9.50	10.00	16.70
MINAFLURES, PANAMA C.Z.	31.40	16.60	55.93	68.40	26.50	7.24	13.50	13.23	2.20	4.26	7.29	12.40
GLAYAQUIL, ECUADOR	--	--	--	7.01	2.25	0.00	6.56	2.80	2.45	2.79	3.80	3.00
LIMA, PERU	9.76	--	--	5.52	0.45	4.23	4.79	5.34	6.92	5.23	7.72	4.51
CHACALTAYA, BOLIVIA	3.11	3.09	1.49	1.90	3.60	5.95	13.80	13.90	10.30	5.68	6.94	5.08
ANTOFAGASTA, CHILE	5.50	7.50	7.26	5.07	4.33	4.63	5.44	5.02	7.20	10.80	4.53	5.07
SANTIAGO, CHILE	1.09	6.79	7.33	12.20	5.23	7.65	5.13	3.89	7.22	9.25	5.13	5.51
PUERTO MONTT, CHILE	10.40	6.63	6.72	3.29	3.58	1.48	1.06	3.15	2.43	1.82	2.34	3.77
PUNTA ARENAS, CHILE	1.32	6.88	3.94	2.51	1.52	1.29	2.13	2.61	2.04	1.00	1.38	1.14

-- NO DATA

ERRORS ARE LESS THAN 20% EXCEPT:
A - ERROR BETWEEN 20% AND 100%
B - ERROR GREATER THAN 100%

CESIUM - 137 CONCENTRATIONS IN SURFACE AIR DURING 1964
(FEMTOCURIES / CUBIC METER)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
THULE, GREENLAND	43.20	41.60	56.10	64.60	70.30	34.70	9.49	31.30	19.13	17.90	14.60	12.50
MOUSONER, ONTARIO	29.20	38.90	49.90	63.60	62.60	74.40	50.80	22.00	16.70	11.30	7.48	4.29
SEATTLE, WASH. STATE	17.10	37.00	31.40	43.10	70.50	28.20	19.80	15.60	17.10	16.10	9.50	11.50
APPLETON, WISCONSIN	32.90	38.50	79.70	63.40	114.00	110.00	65.80	36.50	19.90A	21.20	29.30	10.70
WYSTONCH, NEW JERSEY	35.80	--	66.00	77.50	110.00	55.30	47.70	47.20	19.90	19.50	13.70	16.50
NEW YORK, NEW YORK	31.40	44.60	57.90	59.00	121.00	118.00	49.60	40.20	26.60	20.60	29.10	12.70
SEALTON, VIRGINIA	32.90	40.40	66.10	55.40	121.00	58.70	43.80	33.80	27.70	15.50	19.40	12.30
PALO ALTO, CALIFORNIA	37.20	73.40	78.30	123.00	42.40	29.30	36.50	17.80	23.10	13.50	19.60	12.20
MINNEAPOLIS, MINNESOTA	56.80	57.40	63.80	77.80	79.40	63.40	446.00	26.20	19.10	22.80	27.50	20.30
MEMPHIS, TENNESSEE	49.40	--	69.80	109.00	120.00	103.00	45.40	34.90	37.30	21.30	15.30	16.10
MIAMI, FLORIDA	57.60	77.60	97.50	75.90	71.60	33.50	41.50	17.40	12.00	11.30	13.00	22.00
HONOLULU, HAWAII	57.60	126.00	57.70	97.10	171.00	51.40	49.50	20.20	21.40	10.40	3.24	3.20
SAN JUAN, PUERTO RICO	15.20	23.20	69.20	46.40	62.10	30.00	38.90	2.40	12.10	7.20	13.00	14.70
MEMPHIS, MISSISSIPPI	19.40	29.70	52.20	40.20	27.10	5.42	5.37	6.44	1.36	0.67	1.69	7.29
LAJAVILLA, CUBA	2.75	29.10	10.70	6.10	2.20	2.22	2.27	2.58	4.52	2.77	4.49	5.44
LIWA, PERU	5.22	5.36	4.78	4.03	2.72	4.14	5.24	7.04	13.90	13.00	10.20	12.50
CHACALTAYA, BOLIVIA	7.29A	2.31	1.54	2.44	6.11	7.43	12.00	11.10	11.70	9.87	6.27	4.15
ANTOFAGASTA, CHILE	4.88	4.03	3.99	4.528	3.15	6.49	9.85	11.90	13.30	10.20	7.07	1.10
SANTIAGO, CHILE	5.40	7.11	4.48	4.064	4.41	5.24	6.20	7.26	10.30	9.44	9.28	11.10
PIRATO MOUNT, CHILE	3.86	4.75	2.70	2.71	2.91	2.33	2.69	2.31	4.25	4.50	4.04	7.04
PUYA ARCAYAS, CHILE	1.71	2.15	1.45	1.59	1.72	1.10	1.10	3.70	2.26	3.17	2.32	4.47
SOUTH POLE STATION	--	--	--	--	--	--	--	--	--	--	5.33	6.00

-- NO DATA
 FIGURES ARE LESS THAN 1% EXCEPT
 A - 1000 METERS FOR ANGLE 100K
 B - ERROR GREATER THAN 100%

LEAD - 137 CONCENTRATIONS IN SURFACE AIR DURING 1965
 (FEMTOGRAMS / CUBIC METER)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
PHILE, IRELAND	24.50	14.70	14.90	15.40	18.10	9.75	9.46	13.60	8.76	6.75	12.10	1.17
BRAVO OCEAN STATION	--	--	--	--	--	--	--	--	--	--	4.00	--
CHARLIE OCEAN STATION	--	--	--	--	--	--	--	--	--	--	5.57	--
MONSIEUR, ONTARIO	12.00	14.50	21.30	28.70	23.60	18.00	13.50	10.00	6.45	6.26	1.75	--
SPATILE, WASHINGTON	19.20	15.20	19.20	16.90	15.10	16.00	9.64	--	--	--	--	--
APPLETON, WISCONSIN	19.30	22.10	21.80	16.50	26.60	32.00	24.50	16.70	5.77	6.24	6.47	--
WESTWOOD, NEW JERSEY	27.10	28.10	21.80	27.40	23.90	23.40	--	--	--	--	--	--
NEW YORK, NEW YORK	17.40	26.70	23.10	18.50	23.10	34.00	24.70	15.00	9.74	9.10	6.35	6.51
STERLING, VIRGINIA	13.30	23.40	20.60	24.90	13.90	25.10	17.20	13.60	8.36	6.44	5.71	7.
PALO ALTO, CALIFORNIA	11.50	22.10	20.40	24.40	23.20	14.50	12.50	9.72	12.30	7.64	5.71	6.11
WIRMAN, OREGON	--	--	--	--	--	--	26.30	13.70	9.04	1.00	1.17	12.
MIAMI ST. CITY, OKLAHOMA	21.30	24.40	32.70	47.80	31.00	25.70	--	--	--	1.13	9.44	17.
CHATTANOOGA, TENNESSEE	21.40	23.00	15.00	41.70	10.00	18.10	21.50	12.10	4.87	--	5.04	17.
ECHO OCEAN STATION	--	--	--	--	--	--	--	--	--	--	5.04	--
MIAMI, FLORIDA	22.50	23.50	21.30	49.60	38.60	18.70	9.44	6.31	4.67	6.65	5.71	11.
MILWAUKEE, WISCONSIN	27.00	61.10	26.10	36.70	20.10	25.20	21.00	12.60	6.96	4.41	5.1	17.
SAN JUAN, PUERTO RICO	16.30	15.50	16.30	34.60	10.90	13.40	10.30	6.77	2.77	2.44	2.15	5.5
MIRAFLORES, PUNTA C.P.	9.64	9.54	14.70	17.70	5.03	3.25	--	--	--	--	--	--
HALEPA, HAWAII	--	--	--	--	--	--	4.61	2.75	2.57	1.87	2.66	1.74
GUAYAJUL, EL SALVADOR	3.75	2.69	1.67	3.96	0.63	0.77	1.47	1.50	1.37	1.99	0.21	2.31
LIMA, PERU	6.73	5.18	9.78	3.17	2.21	2.04	4.01	--	--	4.43	--	--
MACALFAVA, CHILE	3.47	2.52	4.02	1.47	2.98	2.23	--	--	--	6.22	--	--
ANTOFAGASTA, CHILE	3.45	10.10	5.07	4.68	3.46	2.88	5.76	4.85	2.61	4.61	--	5.26
SANTIAGO, CHILE	12.10	8.67	7.16	6.63	4.48	2.82	6.90	6.53	7.81	5.75	--	3.77
PUERTO MONTT, CHILE	6.92	6.43	5.35	4.46	2.44	1.85	1.87	2.53	2.51	2.51	1.24	1.14
PUNTA ARENAS, CHILE	3.83	5.17	3.92	3.33	4.38	1.19	1.51	1.19	3.04	1.50	1.52	1.37
SOUTH ISLE STATION	7.34	--	--	--	--	--	--	--	--	--	--	--

--- NO DATA
 ERRORS ARE LESS THAN 1% EXCEPT:
 A - ERROR BETWEEN 10% AND 100%
 B - ERROR GREATER THAN 100%

CESIUM - 137 CONCENTRATIONS IN SURFACE AIR DURING 1966
(PENTACURIES / CUBIC METER)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
THULE, GREENLAND	--	15.40	17.30	15.50	--	--	--	--	--	--	--	--
BRAND OCEAN STATION	--	5.05	7.43	11.40	--	--	--	--	--	--	--	--
CHARLIE OCEAN STATION	--	3.21	8.30	7.93	--	--	--	--	--	--	--	--
MOOSEME, ONTARIO	6.30	6.96	10.00	7.23	--	--	--	--	--	--	--	--
JULIA OCEAN STATION	--	7.17	9.75	6.99	--	--	--	--	--	--	--	--
WESTWOOD, NEW JERSEY	--	--	--	11.20	--	--	--	--	--	--	--	--
N W YORK, NEW YORK	8.23A	6.10	11.90A	10.90	--	--	--	--	--	--	--	--
SIFERLING, VIRGINIA	6.16	6.71	12.10	6.90	--	--	--	--	--	--	--	--
ECMC OCEAN STATION	--	11.00	13.40	17.20	--	--	--	--	--	--	--	--
MIAMI, FLORIDA	3.35	9.03	19.70	14.00	--	--	--	--	--	--	--	--
MALNA LQA, HAWAII	17.40	11.10	26.00	14.70	--	--	--	--	--	--	--	--
SAN JUAN, PLEVIC RICO	6.62	9.24	11.70	7.37	--	--	--	--	--	--	--	--
HALBQA, PANAMA	6.10	6.07	7.54	5.78	--	--	--	--	--	--	--	--
WLAGUIL, ECLAUDOR	1.56	1.54	1.15	2.84	--	--	--	--	--	--	--	--
LIMA, PERU	5.65	5.07	3.07	2.21	--	--	--	--	--	--	--	--
CHACALTAYA, BOLIVIA	3.74	1.45	2.06	1.83	--	--	--	--	--	--	--	--
ANTIPAGASTA, CHILE	3.60	3.94	4.09	2.32	--	--	--	--	--	--	--	--
SANTIAGO, CHILE	8.22	7.62	6.06	2.65	--	--	--	--	--	--	--	--
PIERTO MONTT, CHILE	6.34	3.31	2.20	1.81	--	--	--	--	--	--	--	--
PIANTA ARENAS, CHILE	2.38	1.69	2.15	1.31	--	--	--	--	--	--	--	--

-- NO DATA

ERRORS ARE LESS THAN 20% EXCEPT:
A - ERROR BETWEEN 20% AND 100%
B - ERROR GREATER THAN 100%

SECTION - IIP CONCENTRATIONS IN SURFACE AIR DURING 1963
 (FEMTOGRAMS / CUBIC METER)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
THULE, GREENLAND	--	--	--	--	--	--	3.65	3.75	2.95	1.65	1.95	--
BRAWO OCEAN STATION	--	--	--	--	--	--	1.21	1.32	1.14	1.08	2.77	0.95
CHARLIE OCEAN STATION	--	--	--	--	--	--	1.99	--	1.01	0.70	1.01	2.31
MOOSOMEE, ONTARIO	--	--	--	--	--	--	5.13	4.55	3.77	--	1.16	1.22
DELTA OCEAN STATION	--	--	--	--	--	--	3.10	3.13	1.65	0.97	--	1.83
NEW YORK, NEW YORK	--	--	--	--	--	--	6.248	5.52	4.03	3.24	1.97	2.16
STERLING, VIRGINIA	--	--	--	--	--	--	2.64	4.13	3.99	2.20	2.11	1.45
CMO OCEAN STATION	--	--	--	--	--	--	6.63	1.53	1.63	2.79	1.52	1.56
MIAMI, FLORIDA	--	--	--	--	--	--	3.71	1.61	1.53	1.36	3.12	1.73
BIMINI, BAHAMAS	--	--	--	--	--	--	4.27	4.32	1.37	4.11	--	--
MALNA LOD, HAWAII	--	--	--	--	--	--	5.12	4.65	3.11	1.68	0.92	1.24
SAN JUAN, PLETC NICC	--	--	--	--	--	--	4.08	1.43	2.13	2.38	2.05	1.26
BAHORA, PANAMA	--	--	--	--	--	--	1.71	1.22	3.63	0.244	2.32	0.74
JUAQUIL, ECLADCP	--	--	--	--	--	--	0.33	2.23	1.53	1.16	1.73	2.52
LIMA, PERU	--	--	--	--	--	--	0.93	2.37	3.72	1.67	4.31	2.04
MACALTAYA, POLIVS	--	--	--	--	--	--	4.71	12.60	7.85	3.05	2.74	2.74
ANTOAGASTA, CHILE	--	--	--	--	--	--	1.62	4.93	3.27	4	3.25	2.05
ISLA DE PASQUE-EASTER IS	--	--	--	--	--	--	--	--	--	1.40	--	--
POMILLO, CHILE	--	--	--	--	--	--	4.24	16.69	1.33	--	--	--
SANTIAGO, CHILE	--	--	--	--	--	--	1.32	4.13	3.32	2.17	3.53	2.24
PUERTO WHIFF, CHILE	--	--	--	--	--	--	0.17	1.01	1.23	0.74	1.11	1.33
PUNTA ARENAS, CHILE	--	--	--	--	--	--	3.25	0.17	1.55	3.16	1.10	2.64
ANTARCTICA	--	--	--	--	--	--	--	--	--	--	--	3.56

-- NO DATA

FORBES REP 1155, JAN 205 (EC, PI)
 A - 19631 19631 19631 19631 19631

STATION - 137 CONCENTRATIONS IN SURFACE AIR DURING 1969
 IFFHTDCURTES / CUBIC METER

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
THULE, GREENLAND	2.59	2.04	3.06	--	1.76	5.91	2.32	--	1.56	2.21	--	--
ARAVO OCEAN STATION	1.17	1.01	1.07	--	--	--	--	--	--	--	--	--
CHARLE OCEAN STATION	1.16	2.12	1.06	--	--	--	--	--	--	--	--	--
MOSMEE, UTAHIC	2.13	2.36	3.74	6.74	3.73	3.07	5.46	--	3.35	1.59	1.23	1.22
JELTA OCEAN STATION	1.44	1.02	7.29	--	--	--	--	--	--	--	--	--
NEW YORK, NEW YORK	3.26	--	4.41	5.03	1.00	--	--	--	5.71	1.93	1.33	1.23
STEARING, VIRGINIA	2.63	--	4.11	1.91	6.55	5.67	5.32	--	1.50	2.19	1.50	1.24
ESHO OCEAN STATION	1.59	2.35	2.09	--	--	--	--	--	--	--	--	--
MIAMI, FLORIDA	3.67	--	5.94	1.73	3.42	2.61	3.96	1.33	1.48	2.01	2.62	3.30
STPANI, BAHAMAS	3.15	6.44	9.60	5.16	3.24	3.26	5.01	3.74	1.55	1.81	2.89	4.23
WALVA LOA, HAWAII	1.76	2.93	3.93	6.61	3.58	7.57	6.93	1.77	2.09	3.27	1.46	2.63
SAN JUAN, PUERTO RICO	1.52	3.15	3.67	3.60	2.77	1.39	8.89	2.54	1.32	2.39	1.21	1.27
SALINA, PANAMA	2.31	1.01	1.52	2.09	1.05	4.35	5.99	0.23	3.15	2.36	3.30	3.46
DIABOLIL, ECUADOR	1.42	1.09	2.35	2.27	0.32	2.16	2.75	2.63	3.62	1.31	1.24	1.57
LIMA, PERU	3.45	3.01	1.97	1.36	--	1.19	2.77	2.27	3.81	7.25	4.94	3.23
JALAYVA, BOLIVIA	2.26	2.84	3.55	4.23	1.62	1.56	6.52	1.29	2.07	2.62	2.268	1.63
ANTOFAGASTA, CHILE	2.03	2.66	2.62	1.78	1.53	--	1.03	--	--	1.29	1.01	4.32
ISLA DE PASCLA-CASTER IS	--	--	--	2.53	--	--	1.31	--	--	1.94	--	--
PORTILLO, CHILE	15.03	15.50	--	--	--	--	--	--	--	--	--	--
SANTIAGO, CHILE	3.44	4.17	4.11	2.63	2.38	3.20	4.49	--	3.23	4.59	--	4.65
PLATO MONTT, CHILE	2.22	2.15	2.40	1.97	1.76	1.39	1.54	1.73	1.61	1.76	1.16	--
PUNTA ANCHAS, CHILE	3.95	--	1.63	2.79	2.24	2.46	1.26	--	3.35	1.03	3.67	0.71
ANTARCTICA	--	--	--	3.82	0.64	1.71	0.42	3.92	3.39	3.50	--	0.54

-- NO DATA
 ERRORS ARE LESS THAN 2% EXCEPT:
 A - ERROR BETWEEN 50% AND 100%
 B - ERROR GREATER THAN 100%

TABLE 1 - CO₂ CONCENTRATIONS IN SURFACE AIR DURING 1971
 (MICROMOLES PER CUBIC METRE)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
NORD, GREENLAND	2.9	2.6	4.1	--	2.4	2.2	2.7	1.8	1.3	1.1	1.3A	1.2
THULE, GREENLAND	3.9	4.2	3.1	6.1	--	4.2	4.7	3.9	2.2	1.9	1.6	1.7A
MOUSOONEE, ONTARIO	3.5	1.5	4.1	3.1	--	12.0	4.1	6.8	3.9	1.9	--	--
SALT LAKE CITY, UTAH	1.4	--	4.5	17.2	21.1	21.9	11.4	5.5	4.6	2.8	2.4	2.3
NEW YORK, NEW YORK	2.7	2.5	5.3	6.4	10.2	11.7	11.8	8.5	--	2.3	1.6	1.6
ROCKY FLATS, COLORADO 41	2.1	--	4.1	--	--	--	--	--	--	--	--	2.1
STERLING, VIRGINIA	2.7	--	4.1	--	12.0	8.6	9.0	5.3	2.4	1.5	1.3A	1.6
MIAMI, FLORIDA	5.1	6.4	11.3	12.1	--	6.5	5.6	2.3	1.6	1.0	2.7	--
GIMINI, BAHAMAS	5.1	--	14.1	--	--	4.3	6.5	3.1	2.1A	2.3A	4.7	--
KAUAI LOA, HAWAII	5.3	6.5	3.1	--	1.2	15.4	4.1	3.1	2.4	2.1	1.4A	2.0A
SAN JUAN, PUERTO RICO	2.3	3.1	7.3	--	--	--	--	--	--	--	0.9A	1.6
BALBUA, PAVANA	--	--	--	--	2.2	2.7	2.1	1.3	B	0.3A	B	0.9A
MONTA, VENEZUELA	--	--	--	--	--	--	--	1.3	0.5	0.5	0.5	0.7
PICO ESPEJO, VENEZUELA	--	--	--	--	--	--	--	0.6	0.6A	0.5	0.5A	0.5A
LA AGUADA, VENEZUELA	--	--	--	--	--	--	--	0.7	0.4A	0.2A	0.3	0.9A
QUAYQUEL, ECUADOR	1.3	1.7	4.1	4.7	4.0A	6.6	6.3	6.7	--	1.3	2.2	1.7
LINA, PERU	1.7	1.2	4	--	4	2.6	1.7	3.5	4.5	--	5.4	6.1
CHACALTAYA, BOLIVIA	1.4	1.7	4.7A	1.4	1.6	4.4	4.7	3.4A	5.5	5.1	--	0
ANTOFAGASTA, CHILE	4.2	--	2.7A	--	1.4	3.3	7.0	7.5	2.5	5.6	5.7	4.4
ISLA DE PASCHA-EASTER IS	1.4	--	1.7	1.4	1.5	1.5	1.4	1.0	2.1	1.9	2.5	1.7
SANTIAGO, CHILE	1.5	--	5.1	5.7	2.2	--	--	5.6	3.5	4.2	4.1	4.5
PUERTO MONTT, CHILE	2.2	2.1	2.7	1.4	--	--	--	1.1	1.3	1.7A	1.7	1.6
PUNTA ARENAS, CHILE	1.1	1.4	1.7	--	1.5	--	1.5	--	--	--	--	--
A, ANTARCTICA	1.6A	1.9	4	1.7	1.6	1.3A	1.5	B	0.7	0.5	0.6A	0.8
SOUTH POLE STATION	1.5	1.4	1.7	1.7	2.2	1.1	1.7	1.5	1.5	2.7	1.6	5.2

-- NO DATA

ERRORS ARE LESS THAN 2% EXCEPT:
 A - ERROR BETWEEN 1% AND 1.5%
 B - ERROR BETWEEN 1% AND 1.5%

TABLE 1 - 197 CONCENTRATIONS IN SURFACE AIR DURING 1972
 (MICROGRAMS / CUBIC METER)

SITE	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
ADAMS, GREENLAND	1.2	1.2	1.6	2.3	2.3	1.5	0.7	1.3	0.6	3.4	0.4	0.9
AMUNDSEN, ANTARCTIC	2.2	2.7	2.3	1.5	2.7	2.6	1.8	1.7	0.7	---	---	---
BOULDER, COLORADO	3.1	3.2	4.7	4.5	4.6	5.0	4.6	3.3	2.0	1.1	1.3A	0.7A
BOULDER, NEW YORK	2.4A	1.9	2.1	3.2	2.5	2.6	2.2	1.5	1.2	3.8	0.6	0.6
BOULDER, COLORADO #2	2.7	2.7	3.6	3.1	3.3	2.8	2.0	1.9	---	3.7	3.7	0.8
BOULDER, COLORADO #3	---	---	---	---	---	---	---	---	---	1.8	3.7	0.8
BRIDGES, ALABAMA	1.7	1.3	2.5	2.9	2.4	2.5	2.0	1.1	---	3.7	1.3	1.0
BRIDGES, FLORIDA	2.6	2.3	3.5	5.2	3.0	2.6	1.5	3.9	3.9	3.5	3.4	0.4
BRIDGES, TEXAS	---	2.4	---	---	---	---	---	3.9	3.9	3.9	3.6	0.9
BUENA VISTA, MICHIGAN	3.4	3.9	2.2	0.3	3.4	2.6	2.2	1.5	0.9A	---	---	---
BUENA VISTA, MICHIGAN #2	1.7A	1.5	2.3A	2.7	2.0	---	1.4	2.6	3.6	3.5	0.4	1.1
BUENA VISTA, MICHIGAN #3	1.1	1.7A	1.3	2.6	0.6	---	0.7	0.5	0.2A	3.1A	0.2A	0.5
BUENA VISTA, MICHIGAN #4	0.3	0.7	0.9	0.7	0.2	0.4	---	---	---	3.2	3.1A	0.3A
BUENA VISTA, MICHIGAN #5	0.7	0.7	0.6	0.5	0.1	0.2	---	---	---	3.1A	3.2A	0.6
BUENA VISTA, MICHIGAN #6	0.5	0.7	0.4	0.5	0.1	0.4	---	---	---	0.2A	0.1A	0.6
BUENA VISTA, MICHIGAN #7	0.9	0.5	0	0.3A	0.3A	0.3	0.5	0.3	0.3A	0.6	0.7	0.3
BUENA VISTA, MICHIGAN #8	0.3	2.2	2.2	2.3	0.6	1.2	1.3	1.5	4.1	2.1	2.9	1.8
BUENA VISTA, MICHIGAN #9	0.9A	---	0.5	0.7A	1.1A	0.5	0.8	1.4	3.8	2.0	0.9	0.7
BUENA VISTA, MICHIGAN #10	1.0	3.0	2.5A	2.1	1.1	1.5	2.8	2.3	2.2	2.2	2.0	1.2
BUENA VISTA, MICHIGAN #11	1.5	1.4	---	2.9	0.9	0.6	0.6	1.1	1.1	1.0	0.8	0.5
BUENA VISTA, MICHIGAN #12	0.1	2.3	3.1	3.0	1.3	1.5	1.9	1.7A	2.4	3.2	3.6	2.7
BUENA VISTA, MICHIGAN #13	2.5	3.1	2.5	1.2	0.7	0.6	0.5	0.8	1.2	---	---	---
BUENA VISTA, MICHIGAN #14	---	---	---	---	---	---	---	---	---	---	---	---
BUENA VISTA, MICHIGAN #15	0.7	1.2	0.9	0.8	0.5	0.3	0.3	0.5	0.5	0.3	3.4	0.5
BUENA VISTA, MICHIGAN #16	0.2	2.7	2.1	1.2	1.6	0.5	0.5	0.4A	0.2A	0.3A	0.2	0.3
BUENA VISTA, MICHIGAN #17	---	---	---	---	---	---	---	---	---	---	---	---
BUENA VISTA, MICHIGAN #18	---	---	---	---	---	---	---	---	---	---	---	---
BUENA VISTA, MICHIGAN #19	---	---	---	---	---	---	---	---	---	---	---	---
BUENA VISTA, MICHIGAN #20	---	---	---	---	---	---	---	---	---	---	---	---
BUENA VISTA, MICHIGAN #21	---	---	---	---	---	---	---	---	---	---	---	---
BUENA VISTA, MICHIGAN #22	---	---	---	---	---	---	---	---	---	---	---	---
BUENA VISTA, MICHIGAN #23	---	---	---	---	---	---	---	---	---	---	---	---
BUENA VISTA, MICHIGAN #24	---	---	---	---	---	---	---	---	---	---	---	---
BUENA VISTA, MICHIGAN #25	---	---	---	---	---	---	---	---	---	---	---	---
BUENA VISTA, MICHIGAN #26	---	---	---	---	---	---	---	---	---	---	---	---
BUENA VISTA, MICHIGAN #27	---	---	---	---	---	---	---	---	---	---	---	---
BUENA VISTA, MICHIGAN #28	---	---	---	---	---	---	---	---	---	---	---	---
BUENA VISTA, MICHIGAN #29	---	---	---	---	---	---	---	---	---	---	---	---
BUENA VISTA, MICHIGAN #30	---	---	---	---	---	---	---	---	---	---	---	---

LEGEND: A = 15-145, 15-146, 15-147, 15-148, 15-149, 15-150, 15-151, 15-152, 15-153, 15-154, 15-155, 15-156, 15-157, 15-158, 15-159, 15-160, 15-161, 15-162, 15-163, 15-164, 15-165, 15-166, 15-167, 15-168, 15-169, 15-170, 15-171, 15-172, 15-173, 15-174, 15-175, 15-176, 15-177, 15-178, 15-179, 15-180, 15-181, 15-182, 15-183, 15-184, 15-185, 15-186, 15-187, 15-188, 15-189, 15-190, 15-191, 15-192, 15-193, 15-194, 15-195, 15-196, 15-197, 15-198, 15-199, 15-200, 15-201, 15-202, 15-203, 15-204, 15-205, 15-206, 15-207, 15-208, 15-209, 15-210, 15-211, 15-212, 15-213, 15-214, 15-215, 15-216, 15-217, 15-218, 15-219, 15-220, 15-221, 15-222, 15-223, 15-224, 15-225, 15-226, 15-227, 15-228, 15-229, 15-230, 15-231, 15-232, 15-233, 15-234, 15-235, 15-236, 15-237, 15-238, 15-239, 15-240, 15-241, 15-242, 15-243, 15-244, 15-245, 15-246, 15-247, 15-248, 15-249, 15-250, 15-251, 15-252, 15-253, 15-254, 15-255, 15-256, 15-257, 15-258, 15-259, 15-260, 15-261, 15-262, 15-263, 15-264, 15-265, 15-266, 15-267, 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CESIUM - 137 CONCENTRATIONS IN SOILS IN 1974
 (FEMTOCURIES / GRAM DRY WEIGHT)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
TMULE, GREENLAND	3.5	1.3	1.2	1.4	1	0.5A	0.3	0.6	0.23	0.22	0.22	0.6
KAP TOBIN, GREENLAND	--	--	--	--	--	--	--	0.12	0.23	0.22	0.22	0.6
MOOSWEE, ONTARIO	--	3.3A	3.3	1.4	1.6	0.7	0.5	0.3	0.3	0.22	0.22	0.22
HELENA, MONTANA	--	--	--	--	--	--	--	0.5	0.33	0.16	0.3	0.3
SALT LAKE CITY, UTAH	1.0	1.3	1.6	2.2	3.1	2.1	0.7	0.4	0.4	0.46	0.7	0.7
NEW YORK, NEW YORK	3.7	3.8	3.9	1.2	1.1	1.2	0.7	0.4	0.5	0.3	0.4	0.4
ROCKY FLATS, COLORADO #1	3.9	3.9	1.3	1.2	1.4	1.2	0.7	0.4	0.5	0.3	0.4	0.4
ROCKY FLATS, COLORADO #2	3.7	1.2	1.3	1.4	2.1	1.6	0.7	0.4	0.5	0.3	0.4	0.4
ROCKY FLATS, COLORADO #3	3.9	1.3	1.9	1.3	2.4	1.7	0.7	0.4	0.5	0.3	0.4	0.4
STERLING, VIRGINIA	3.6	3.6A	3.9	1.1	1.6	0.9	0.7	0.4	0.5	0.3	0.4	0.4
RICHMOND, CALIFORNIA	--	--	3.7	1.5	3.8	2.5	0.7	0.4	0.5	0.3	0.4	0.4
MIAMI, FLORIDA	1.0A	1.5	1.7	2.7	2.3	1.6C	0.7	0.4	0.5	0.3	0.4	0.4
MAUNA LOA, HAWAII	3.9	1.5	1.5	2.2	1.4	1.2	0.7	0.4	0.5	0.3	0.4	0.4
SAN JUAN, PUERTO RICO	3.5	3.8	1.3	1.3	1.6	0.9	0.7	0.4	0.5	0.3	0.4	0.4
HALBOA, PANAMA	3.5	1.3	3.8	0.9	0.7	0.4	0.7	0.4	0.5	0.3	0.4	0.4
MERIDA, VENEZUELA	3.5	3.5	3.7	2.7	1.0	0.3	0.7	0.4	0.5	0.3	0.4	0.4
PICO ESPEJO, VENEZUELA	3.4	3.7	3.3A	2.4	3.3A	1	0.7	0.4	0.5	0.3	0.4	0.4
LA AGUADA, VENEZUELA	3.6	3.6A	3.5	3.5	0.4	0.23	0.7	0.4	0.5	0.3	0.4	0.4
GUAYAQUIL, ECUADOR	3.2	3.2A	3.1	3.2A	1.9	0.1A	0.7	0.4	0.5	0.3	0.4	0.4
LIMA, PERU	1.1	2.2	3.9	3.5A	0.4	0.3	0.7	0.4	0.5	0.3	0.4	0.4
CHACALTAYA, BOLIVIA	3.5A	3.6A	3.6	0.1A	3.3A	0.7	0.7	0.4	0.5	0.3	0.4	0.4
ANTOFAGASTA, CHILE	1.3	1.9	3.5	3.6	0.6	0.7	0.7	0.4	0.5	0.3	0.4	0.4
ISLA DE PASCUA-EASTER IS	3.7	0.0A	3.7	0.4	3.2A	0.7	0.7	0.4	0.5	0.3	0.4	0.4
SANTIAGO, CHILE	3.1	--	1.4	1.5	0.7	0.3A	0.7	0.4	0.5	0.3	0.4	0.4
PUERTO MONTT, CHILE	2.4	--	1.2	3.6A	3.5A	0.4	0.7	0.4	0.5	0.3	0.4	0.4
PUNTA ARENAS, CHILE	3.5	3.6	3.7	2.4	3.2A	0.7	0.7	0.4	0.5	0.3	0.4	0.4
ANTARCTICA	3.5	3.4	3.4	3.4	3.2A	0.7	0.7	0.4	0.5	0.3	0.4	0.4
SOUTH POLE STATION	1.5	3.9	3.9	3.9	1.7	0.4	0.7	0.4	0.5	0.3	0.4	0.4

-- NO DATA
 ERRORS ARE LESS THAN 20% EXCEPT:
 A - ERROR BETWEEN 20% AND 100%
 B - ERROR GREATER THAN 100%

CFSTJM - 137 CONCENTRATIONS IN SURFACE AIR DURING 1974
(PENTACURIES / CUBIC METER)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
THULE, GREENLAND	3.6	1.2	2.3	6.6	3.4	3.3	2.0	--	1.1	3.7	3.3	1.6
KAP TOBIN, GREENLAND	3.2A	1.2	1.2	2.7	2.7	1.6	1.2	1.2	3.9	1.3	3.4	1.1
MOOSONEE, ONTARIO	3.3	3.7	1.1	2.6	2.8	4.8	3.6	2.2	1.2	3.5	3.5	6.7
MELEVA, MONTANA	3.7	1.5	2.5	5.8	7.6	6.8	4.9	6.3	1.8	1.3	1.4	1.1
SALT LAKE CITY, UTAH	--	1.9	6.6	8.0	13.1	9.7	6.7	3.9	2.5	1.5	1.9	1.5
NEW YORK, NEW YORK	3.7	1.1	2.3	6.5	5.8	5.2	6.8	2.7	1.4	1.3	1.3	1.6
ROCKY FLATS, COLORADO #1	3.5	2.1	6.3	7.7	3.3	6.0	3.1	3.2	1.5	1.1	1.5	1.7
ROCKY FLATS, COLORADO #2	1.2	1.2	6.1	7.8	10.6	6.7	2.8	3.2	1.5	1.1	1.5	1.5
ROCKY FLATS, COLORADO #3	1.6	3.2	6.2	10.3	--	--	--	--	--	--	--	--
ROCKY FLATS, COLORADO #4	--	--	--	--	12.6	8.4	3.9	3.7	1.8	1.6	1.3	7.1
STERLING, VIRGINIA	3.7A	1.2A	2.3	4.4	--	--	--	--	--	--	--	--
RICHMOND, CALIFORNIA	2.5A	1.3	2.3	3.5	4.0	3.5	2.5	2.9	1.4	1.4	--	1.6
MIAMI, FLORIDA	1.2	3.1	4.1	9.6	6.6	2.3	2.2	1.7	3.3	1.3	1.5	1.6
MAUNA LOA, HAWAII	3.8	3.7	6.3	6.8	7.4	5.2	2.7	2.3	3.9	1.1	1.6	2.1
SAN JUAN, PUERTO RICO	3.6	1.4	--	--	--	--	--	--	--	--	--	--
SALBADA, PANAMA	--	--	--	6.9	1.1	1.1	0.9	0.9	B	B	3.3	3.8
VERTICA, VENEZUELA	3.3	1.3	--	--	--	--	--	--	--	--	--	--
PICO ESPEJO, VENEZUELA	3.9	1.9	--	--	--	--	--	--	--	--	--	--
LA AGUADA, VENEZUELA	B	1.9	--	--	--	--	--	--	--	--	--	--
GUAYAJIL, ECUADOR	3.2	3.3	3.2	3.2	4	6.1A	0.4A	1.7	1.2	1.3A	3.9	0.7
LIMA, PERU	3.6	3.4A	3.4	3.2	6.3	0.5	1.0	2.7	2.3	2.2	2.3	1.1
CHACAYAYA, BOLIVIA	B	H	3.3A	3.1A	4	0.5A	4.2A	3.5	5.1	2.3A	1.6A	0.4
ANTOFAGASTA, CHILE	3.5	3.7	3.3	3.4	0.2	6.3	1.4	2.6	1.9	2.3	1.3	1.3
ISLA DE PASCUA-EASTER IS	3.3	3.4A	3.2	3.3	H	0.4	0.3	6.9A	7.3A	3.6	3.9	0.7
SANTIAGO, CHILE	3.8	3.9	3.5	3.5	0.5A	0.4	0.3A	2.3	1.2A	1.5	3.3	1.6
PUERTO MONTT, CHILE	3.5	3.6	3.2A	3.2	0.1	0.2	0.2A	0.4A	3.4	3.4	3.3	0.6
PUNTA ARENAS, CHILE	3.2	3.3	3.2	H	0.2A	0.2	6.1	0.2A	0.4	0.2A	3.3	0.7
ANTARCTICA	--	3.2	3.3	0.2	3.1	0.2A	0.2	0.1A	3.1A	0.2A	0.2A	6.2
SOUTH POLE STATION	3.7	3.5	3.5	B	3.7	6.2	6.2	0.3	0.3	1.4	0.4A	6.5A
-- NO DATA												

ERRORS ARE LESS THAN 20% EXCEPT:
A - ERROR BETWEEN 20% AND 100%
H - ERROR GREATER THAN 100%

SECTION - 137 CONCENTRATIONS IN SURFACE AIR DURING 1975
(PENTACHLORINATED BIPHENYLS / COSMIC WEI, NI)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
THULE, GREENLAND	1.6	2.4	2.6	2.6	2.4	0.6	--	0.2A	--	3.3	--	0.2
NARROM, ALASKA	--	--	--	--	--	--	--	--	0.2	0.2	0.4	0.2
KAP TUNIV, GREENLAND	1.6	2.2	2.4	3.4	2.1	0.3	0.5	0.4	0.4	3.5	0.3	0.4
MOSSNEE, ONTARIO	1.1	1.2	2.2	2.6	1.3	1.7	1.3	0.7	0.4	0.3	0.2	0.2A
HELENA, MONTANA	1.6	2.3	2.2	2.4	2.7	--	--	--	3.5	3.2A	3.3	0.4
SALT LAKE CITY, UTAH	2.1	3.3	3.1	--	--	--	--	--	--	--	--	0.4
NEW YORK, NEW YORK	1.2	1.7	2.2	3.0	2.9	2.0	1.4	0.9	3.5	2.4A	0.6	0.4
ROCKY FLATS, COLORADO #1	2.2	3.5	3.3	4.7	4.0	3.7	1.6	1.0	3.9	3.5	3.5	0.4
ROCKY FLATS, COLORADO #2	1.9	3.1	2.9	3.2	--	--	1.3	0.7	0.4	0.3	0.3	0.4
ROCKY FLATS, COLORADO #6	2.4	3.1	2.9	3.7	--	--	--	--	--	--	--	0.3
PIDMOUNT, CALIFORNIA	1.4	2.3	3.3	2.5	2.1	1.1	0.6	0.4	3.4	3.3A	3.4	0.2
MIAMI, FLORIDA	2.2	2.8	3.3	4.1	1.5	0.6	0.7	0.4	3.2A	0.4	0.4	0.4
MAUNA LOA, HAWAII	2.7	3.4	2.9	3.3	2.9	2.2	1.4	0.6	0.5	0.4	0.4	0.4
BALTIMORE, MARYLAND	3.9	3.2	1.4	1.3	1.6	0.4	0.4	0.2	3.1A	0.4	0.4	0.4
GUAYABUPE, ECUADOR	3.5	3.3	2.2	1.1	0.1	0.4	0.4	0.2	3.1A	0.4	3.1A	0.1
LIMA, PERU	1.3	1.6	2.9	2.8	0.5	0.4	0.5	0.5	3.3A	3.1	3.3	0.3
CHACALTAYA, BOLIVIA	3.3A	2.2A	2.2	3.3A	0.3	0.3	0.6	0.2A	3.5	2.9	3.9	0.5
ANTOFAGASTA, CHILE	1.6	1.1	3.3	0.7	0.2A	--	--	--	3.2A	3.5	3.5	0.2A
ISLA DE PASCUA-EASTER IS	2.5	2.5	2.7	3.4	0.4	0.5	0.3	0.2A	0.3A	0.2A	0.2A	--
SANTIAGO, CHILE	3.7A	1.4	1.2	1.0	0.8	0.8	--	--	3.8	3.5	3.4	0.2
PUERTO MONTT, CHILE	2.5	1.2	1.2	0.6	0.4	0.4	0.3A	0.2	3.2	3.3	3.3	0.3
PUNTA ARENAS, CHILE	2.4	3.4	3.5	3.3	0.3A	0.1A	0.2A	0.2	3.1A	3.1A	0.2	0.1A
ANTARCTICA	3.2	3.3	3.3	3.4	0.2	0.2	0.3	0.2A	3.2	3.1	0.1A	0.1A
SOUTH POLE STATION	3.4	1.1	3.7	3.8	0.7	0.2	0.3	0.4	3.3	3.5	3.5	0.5

--- NO DATA

ERRORS ARE LESS THAN 20% EXCEPT:
A - ERROR BETWEEN 20% AND 100%
B - ERROR GREATER THAN 100%

GESIUM - 137 CONCENTRATIONS IV SURFACE AIR DURING 1976
(FEMTOCURIES / CUBIC METER)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
THULE, GREENLAND	--	3.3	--	--	--	--	--	--	--	--	--	--
BARRON, ALASKA	3.2	3.4	3.4	0.3	0.3A	0.2	0.1A	0.1A	0.1A	0.1A	0.2A	--
KAP TOBIN, GREENLAND	3.3	3.3	3.3	0.5	0.4	0.2A	0.2A	0.1A	3.2	0.1A	0.2A	0.3
MOOSMEE, ONTARIO	3.3	3.4	3.6	3.4	0.5	0.6	0.5	0.4	3.2	0.4	3.4	0.4
MELEVA, MONTANA	3.5	3.5	3.5	0.7	0.7	0.7	0.6	0.3	3.4	3.3A	0.4	3.3
CHESTER, NEW JERSEY	--	--	--	--	--	--	--	--	3.4	3.7	3.3	0.4
NEW YORK, NEW YORK	3.4	3.6	3.6	0.7	0.8	0.5	0.6	0.5	--	3.3A	0.6	0.3
ROCKY FLATS, COLORADO #1	3.5	3.5	3.2	1.1	0.9	0.8	0.5	0.4	0.4	3.3	0.5	0.4
ROCKY FLATS, COLORADO #2	0.4	3.5	3.8	0.8	0.7	0.6	0.4	0.3	3.3	3.8	3.5	0.4
ROCKY FLATS, COLORADO #4	--	--	--	--	--	--	--	--	--	--	--	--
RICHMOND, CALIFORNIA	3.5	3.4	3.5	3.6	0.7	0.4	0.2	0.2	3.2	3.9	3.6	0.4
MIAMI, FLORIDA	3.6	3.8	3.6	1.0	0.6	0.3	0.4A	0.3A	3.2	3.5	3.3	0.5A
MAUNA LOA, HAWAII	3.8	3.7	3.8	--	--	--	--	0.1A	0.1A	1.4	0.7	0.3A
MAUNA LOA DOWNSLOPE	--	--	--	--	--	--	--	--	--	--	--	--
MAUNA LOA UPSLOPE	--	--	--	--	--	--	--	--	--	--	--	0.3A
SALUDA, PANAMA	--	--	--	--	--	--	--	--	0.1A	--	--	--
GUAYAQUIL, ECUADOR	3.1A	3.3	3.3	3.4	0.3A	0.1A	0.3A	0.2	3.1A	3.1A	3.3A	--
LIMA, PERU	3.1	3.1	3.1A	0.1A	0.1A	0.1A	0.1	0.1A	3.1A	3.1A	3.1A	0.1A
TUTUILA, SAMOA	3.4	3.4	3.3A	0.3A	0.1A	0.1A	0.2A	0.3	3.4	3.2A	3.3	0.1A
MACALTAYA, BOLIVIA	--	--	--	3.2A	0.1A	0.1A	0.1A	0.2A	0.2	3.1A	3.1A	0.1A
ANTOFAGASTA, CHILE	3.3	3.2A	3.2A	0.1A	0.2	0.1A	0.4A	0.3A	0.5	0.3	0.4A	0.1
ISLA DE PASCUA-EAST- 1	--	--	--	0.2A	0.2	0.2	0.2	0.2	0.5	0.3	0.4A	0.1
SANTIAGO, CHILE	3.4	3.3	3.2A	0.1A	0.2	0.2	0.2	0.2	3.3	0.2	3.2	0.2
PURTO MONTT, CHILE	3.7A	3.4A	3.5	3.3	0.2	0.3	0.2A	0.1	3.2	0.1	3.2	0.2A
PUNTA ARENAS, CHILE	3.4	3.5	3.3A	0.2	0.1A	0.4	0.6A	3.1	3.2A	0.3	3.2A	3.4
ANTARCTICA	3.2	3.2	3.2A	0.2A	0.1	0.2A	0.1	0.1	3.3	0.1A	3.2	3.3A
SOUTH POLE STATION	3.2A	3.1	3.1A	0.1A	0.1	0.1A	0.1	0.1A	3.2A	0.2A	3.1A	0.1
NO DATA	3.6	3.3A	0.3A	0.3	0.2	0.1A	0.1A	0.1A	0.1	0.2	0.2A	0.1

ERRORS ARE LESS THAN 20% EXCEPT:
A - HAD TO BE CORRECTED
B - ERROR GREATER THAN 100%

CESTJM - 137 CONCENTRATIONS IN SURFACE AIR DURING 1977
(PENTAGRAMS / CUBIC METER)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
BARRON, ALASKA	3.2	3.6	3.2	3.4	0.5	0.6	--	0.8	3.5	1.3	1.4	1.2
RAP TOBIN, GREENLAND	3.3	3.3	3.5	3.7	5.6	0.6	--	0.7	1.1	1.3	1.5	1.7
ROUSSEAU, ONTARIO	3.2	3.2	3.3	3.9A	1.5	2.2	2.0	1.3	1.7	1.3	1.1	1.0
MELENA, MONTANA	3.2	3.5	3.5	2.1	2.7	3.6	1.9	3.5	2.7	2.7	1.7	1.3
REAVERTON, OREGON	--	--	--	--	--	--	1.5	2.1	1.7	2.1	1.2	1.0
CHESTER, NEW JERSEY	3.6	3.2A	3.5	1.3	3.2	2.6	2.6	1.3	1.3	1.9	1.8	1.1
NEW YORK, NEW YORK	3.3	3.3	3.5	1.6	3.0	4.5	2.5	2.7	1.9	2.2	1.6	1.6
ROCKY FLATS, COLORADO	3.3	3.5	1.2	1.6	5.6	3.6	3.5	2.9	5.3	3.5	2.1	1.6
ROCKY FLATS, COLORADO	3.6	3.5	1.1	1.8	5.3	3.7	3.5	--	5.9	6.1	2.1	1.6
RICHMOND, CALIFORNIA	3.3	3.5	3.6	--	--	--	--	--	--	--	--	--
LIVERMORE, CALIFORNIA	--	--	--	--	2.7	3.7	6.3	6.1	3.6	3.1	2.3	2.7
MIAMI, FLORIDA	3.6	3.5	1.2	2.6	2.7	2.0	1.5	1.4	0.7	6.0	2.5	2.5
MAUNA LOA, HAWAII	3.5	--	--	--	--	--	--	--	7.3	2.6	--	--
MAUNA LOA DOMESTOP	--	3.3	2.6	2.1	--	--	--	--	--	--	1.9	2.7
MAUNA LOA UPSLOPE	--	1.1	2.9A	2.5	--	--	--	--	--	--	2.3A	2.3
PALENA, PAVANA	9	--	--	--	--	--	--	--	--	--	--	--
GUAYAQUIL, ECUADOR	3.1	3.1A	3.1A	3.3A	2.1	0.2A	8	9	3.1	0.2	0.1	0.12
LIMA, PERU	3.3A	3.3	3.2A	0.7	9	6.1A	6.2A	3.2	3.3	0.3	7	6.7
TUTUILA, SAMOA	9	3.1A	3.2	3.1A	0.1	9	8	3.2A	3.1	3.3A	3.4A	--
CHACALTAYA, BOLIVIA	3.2	3.1A	8	9	3.3	0.3	6.4A	3.3A	2.4	3.4A	3.2A	3.2
ANTOFAGASTA, CHILE	3.3	3.3	3.1	3.1	6.1A	0.1A	3.2A	3.3	3.3	9	3.1A	3.1
ISLA DE PASCUA-EASTER IS	3.3A	3.2	3.2A	3.1A	9.1A	1	7.2A	0.1A	3.2	3.1A	3.4A	3.2A
SANTIAGO, CHILE	3.6	3.4A	3.3	3.3A	6.2	0.1A	1	1	4	3.3	3.2A	3.32
PUERTO MONTT, CHILE	3.3	3.2A	3.2A	3.1A	6.1A	4	9	4	1	4	3.1A	3.2
PUNTA ARENAS, CHILE	3.1A	3.2A	3.2	3.1A	6.1	0.1A	1	6.1A	1	3.1A	8	8
ANTARCTICA	9	3.1A	8	6.1A	8	8	8	6.1A	1	3.1A	8	8
SOUTH POLE STATION	3.4A	8	3.2A	8	8	8	0.7	3	3.1A	3.1A	8	8

--- NO DATA

ERRORS ARE LESS THAN 20% EXCEPT:
A - ERROR BETWEEN 20% AND 100%
B - ERROR GREATER THAN 100%

HASL-390

PERCENTAGE OF OZONE CONCENTRATIONS IN SURFACE AIR (JULY 1963)
 (PERCENTAGES / CUBIC METER)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
ISLE OF MAN	31.80	64.20	54.70	124.00	77.60	22.80	61.50	39.70	29.80	27.10	24.90	25.00
MUNSTER, IRELAND	13.50	41.90	43.40	67.30	46.50	46.60	61.20	57.20	79.30	22.10	1.50	23.10
NEW YORK, NEW YORK	--	37.90	38.40	88.90	57.60	88.90	--	77.40	50.40	--	50.40	--
SPRINGFIELD, MASS.	23.50	116.00	52.50	101.00	103.00	122.00	40.30	76.70	82.30	39.00	23.00	8.70
MIAMI, FLORIDA	33.20	65.00	61.10	112.00	44.80	37.60	50.10	27.10	17.20	67.10	1.00	1.00
WALTON, CALIFORNIA	51.30	73.90	43.00	45.70	32.80	47.20	41.00	33.10	17.50	27.10	1.00	1.00
SAN JUAN, PUERTO RICO	22.50	37.70	41.70	67.30	42.60	33.40	69.70	21.30	31.00	50.00	1.00	1.00
WINDSOR, ONTARIO, CAN.	25.70	34.20	43.60	62.30	23.20	44.00	46.30	30.30	14.00	44.70	3.50	3.50
ALBUQUERQUE, NEW MEX.	--	--	--	14.00	14.50	14.10	14.30	14.70	14.00	14.00	14.00	14.00
LEON, SPAIN	8.07	--	--	3.70	2.20	2.50	2.50	5.80	8.00	3.90	1.00	1.00
VALLEJO, CALIFORNIA	2.52	1.26	2.03	--	2.40	3.10	5.10	14.00	14.70	7.00	3.00	2.10
ANTOFAGASTA, CHILE	3.16	6.19	6.87	4.49	2.10	2.37	4.70	3.70	5.40	7.00	1.00	2.00
SANTIAGO, CHILE	3.26	5.25	4.87	3.06	2.01	2.74	2.80	8.10	3.00	7.00	1.00	1.00
PICAZO MONTE, CHILE	4.03	5.43	5.63	3.10	2.13	1.00	1.30	1.00	1.00	1.50	1.70	2.10
PISTA ANDES, CHILE	1.53	4.74	2.91	2.23	1.16	1.90	1.10	1.10	1.00	3.40	1.20	0.80

-- NO DATA

NUMBERS ARE LESS THAN 20% EXCEPT:
 A - ERROR BETWEEN 20% AND 100%
 B - ERROR GREATER THAN 100%

STRONTIUM - 90 CONCENTRATIONS IN SURFACE AIR DURING 1964
 (PEMTOCIUMS / CUBIC METERS)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
THULE, GREENLAND	33.30	30.80	42.80	49.60	50.80	27.20	6.13	25.10	19.60	10.90	12.60	13.30
MOOSMEE, ONTARIO	23.30	29.50	38.60	45.20	45.50	52.70	37.30	14.90	10.20	9.05	5.89	6.63
SEATTLE, WASHINGTON	14.40	27.00	22.40	30.70	47.40	19.80	14.50	11.10	12.90	11.60	6.90	4.38
APPLETON, WISCONSIN	15.00	17.00	52.60	41.90	69.90	69.60	43.30	21.60	13.40	13.70	10.70	6.75
METWOOD, NEW JERSEY	16.90	27.90	39.20	51.60	69.60	64.60	33.20	31.80	16.50	14.60	9.80	10.50
NEW YORK, NEW YORK	22.00	34.40	39.40	35.20	82.20	84.20	35.60	50.60	19.20	14.60	15.10	9.78
STERLING, VIRGINIA	22.20	32.60	46.70	65.50	19.20	75.40	31.30	23.60	19.50	12.70	13.40	9.10
PALO ALTO, CALIFORNIA	22.50	41.50	38.30	53.50	21.70	22.40	22.70	13.10	---	7.70	13.70	8.07
MIDWEST CITY, OKLAHOMA	28.10	35.00	40.90	56.40	35.50	24.10	32.40	19.60	12.00	16.10	14.90	13.00
CHATTANOOGA, TENNESSEE	21.90	21.00	38.40	76.80	89.40	59.90	32.80	21.10	25.10	14.50	11.10	11.50
MIAMI, FLORIDA	42.80	53.70	61.60	54.60	56.20	26.60	22.10	13.50	8.48	10.90	11.90	17.50
MAUNA LOA, HAWAII	42.60	96.20	49.90	68.90	94.80	42.90	34.10	15.60	12.60	8.96	9.28	9.10
SAN JUAN, PUERTO RICO	25.30	19.30	46.60	35.60	42.70	27.20	27.60	14.90	7.81	5.55	7.76	10.50
MIRAFLORES, PANAMA C.Z.	12.70	21.90	35.60	30.10	19.10	17.20	3.78	3.10	0.92	0.48	7.46	3.70
GUAYAQUIL, ECUADOR	1.75	2.98	7.71	4.02	1.28	1.41	1.62	1.65	2.63	2.11	3.13	4.40
LIMA, PERU	3.87	3.42	3.43	2.74	2.15	3.33	3.92	5.53	9.91	9.16	7.28	9.56
CHACALTAYA, BOLIVIA	1.38	1.03	1.16	1.71	4.58	5.31	9.62	8.01	8.81	7.74	4.54	3.60
ANTOFAGASTA, CHILE	3.16	2.71	2.27	3.07	2.48	4.07	3.61	8.43	7.76	7.36	5.32	7.70
SANTIAGO, CHILE	4.09	2.32	3.09	2.92	2.93	3.13	4.49	4.94	7.74	6.89	7.21	7.86
PUERTO MONTT, CHILE	---	4.75	2.15	2.08	2.23	1.80	7.01	1.61	2.98	3.51	3.55	5.42
PUNTA ARENAS, CHILE	1.04	1.24	1.03	1.28	1.32	0.74	0.91	2.54	1.61	2.33	1.86	3.52
SOUTH POLE STATION	---	2.05	1.57	1.49	2.00	1.89	2.00	0.76	2.62	1.60	3.22	4.10

--- NO DATA
 ERRORS ARE LESS THAN 20% EXCEPT:
 A - ERROR BETWEEN 50% AND 100%
 B - ERROR GREATER THAN 100%

99
 C 1 20

STATION - 90 CONCENTRATIONS IN SLAPACE AIR DURING 1965
(PERCENTAGES / CUBIC METER)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
THULE, GREENLAND	17.50	11.90	29.10	20.60	19.10	6.56	6.65	7.60	5.91	6.61	8.46	9.16
BRAVO OCEAN STATION	--	--	--	--	--	--	--	--	--	--	1.87	--
CHARLIE OCEAN STATION	--	--	--	--	--	--	--	--	--	--	6.61	1.40
MOUSOMEE, ONTARIO	6.96	11.70	11.40	14.40	19.60	13.40	9.47	6.26	2.54	2.62	2.37	2.66
SEATTLE, WASHINGTON	29.70	10.70	29.70	12.80	12.77	14.40	9.29	9.53	1.47	1.40	1.27	2.74
APPLETON, WISCONSIN	12.10	17.60	17.00	17.20	20.77	22.00	12.90	9.92	6.97	6.97	1.17	1.54
WESTWOOD, NEW JERSEY	12.90	19.50	18.40	22.00	21.10	14.70	16.90	17.27	9.74	5.45	1.12	6.65
NEW YORK, NEW YORK	11.60	18.00	17.50	20.30	21.14	24.90	17.40	9.85	6.44	4.55	4.10	3.37
STERLING, VIRGINIA	13.10	17.00	19.20	14.40	19.37	11.70	16.20	7.31	6.10	6.20	6.67	6.27
PALO ALTO, CALIFORNIA	7.39	17.00	29.53	14.60	14.60	7.71	9.04	9.74	7.91	6.63	6.63	3.34
NORMAN, OKLAHOMA	--	--	--	--	--	--	9.04	9.13	9.29	6.63	5.34	6.64
PIEDMONT CITY, N. CAROLINA	14.99	14.99	20.99	20.60	21.60	24.10	--	--	--	--	--	--
CHATTANOOGA, TENNESSEE	14.70	17.10	11.17	21.30	22.70	16.10	9.91	1.64	9.46	5.89	6.22	6.71
ECMO OCEAN STATION	--	--	--	--	--	--	--	--	--	--	6.63	4.32
MIAMI, FLORIDA	19.40	17.40	17.60	24.00	27.40	12.70	9.19	4.03	3.39	4.31	6.80	5.03
HAUVA LOA, HAWAII	29.30	40.40	27.60	22.80	16.40	14.40	13.33	7.87	6.64	6.34	4.19	6.85
SAN JUAN, PUERTO RICO	11.10	12.80	12.10	21.30	7.55	11.20	6.54	3.36	1.75	1.91	1.60	2.13
MIRAFLORES, PANAMA C.F.	6.97	7.18	9.64	11.60	4.60	2.41	--	--	--	--	--	4.47
BALBOA, PANAMA	--	--	--	--	--	--	2.65	1.50	3.67	2.69	3.49	1.69
GUAYQUIL, ECUADOR	2.77	1.66	1.34	3.464	2.44	6.61	0.61	0.73	0.40	1.20	1.55	1.60
LIMA, PERU	2.59	4.14	4.72	2.34	2.15	2.14	2.31	3.62	6.96	5.23	4.07	9.97
CHACALAYA, BOLIVIA	7.12	2.00	2.76	1.34	1.36	2.53	2.134	3.10	5.11	4.16	2.63	5.36
ANTOFAGASTA, CHILE	4.19	5.61	5.24	3.51	1.73	2.41	6.94	6.62	6.66	3.10	6.22	2.61
SANTIAGO, CHILE	7.31	6.79	5.14	3.24	3.14	1.95	3.71	2.16	4.76	3.64	4.04	2.77
PUERTO MONTT, CHILE	5.64	5.05	1.97	2.33	2.03	1.53	1.29	1.14	1.66	1.67	1.25	2.48
PUNTA ARENAS, CHILE	2.35	3.77	2.95	2.42	1.66	1.094	1.03	0.74	2.04	0.93	0.74	1.14
SOUTH POLE STATION	5.84	--	--	--	--	--	--	--	--	--	--	--

-- NO DATA
 ERRORS ARE LESS THAN 20% EXCEPT
 A -- ERROR BETWEEN 20% AND 100%
 B -- ERROR GREATER THAN 100%

STRONTIUM -- 90 CONCENTRATIONS IN SURFACE AIR DURING 1966
 (PICOGRAMS PER CUBIC METER)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
THULE, GREENLAND	--	10.60	10.80	--	5.94	5.77	3.21	2.53	2.22	2.04	1.14	2.30
BRAVO OCEAN STATION	--	3.96	5.08	9.42	2.70	3.17	1.71	1.84	3.88A	3.41	0.67	0.75
CHARLIE OCEAN STATION	--	2.37	6.17	6.90	3.79	2.46	1.44	1.95	3.98	2.73	1.08	0.67
WOODS HOLE, ONTARIO	4.00	4.99	5.16	5.36	7.17	6.10	6.15	2.63	1.71	1.12	1.57	0.78
SEATTLE, WASHINGTON	3.33	3.90	4.81	6.31	4.44	4.15	2.52	2.23A	1.48	0.96	1.53	0.89
DELTA OCEAN STATION	--	4.13	7.18	6.08	6.66	5.18	3.22	1.44	1.88	1.00	1.22	0.73
WESTWOOD, NEW JERSEY	5.25	5.64	9.25	7.92	10.40	14.30	9.85	3.33	2.48	--	1.49	--
NEW YORK, NEW YORK	4.26A	3.54	8.10	7.72	11.20A	10.70A	8.32A	4.03A	2.70	1.93	2.05A	1.21A
STERLING, VIRGINIA	4.14	4.65	7.15	5.53	11.50	11.10	7.50	3.72	2.24	1.86	1.77	1.79
ECHO OCEAN STATION	--	7.66	7.93	6.78	10.00	2.39	--	2.27	1.94	0.92	1.09	0.77
MIAMI, FLORIDA	5.56	5.26	8.99	13.30	8	5.17	2.53	0.44	3.78	1.29	3.05	2.17
BIMINI, BAHAMAS	--	--	--	--	--	--	6.55	1.89	1.60	3.07	3.84	2.23
NAUNA LOA, HAWAII	8.07	8.40	16.50	14.00	14.10	9.86	6.84	2.98	1.94	1.10	1.97	3.60
SAN JUAN, PUERTO RICO	2.53	5.85	7.12	5.41	5.06	6.07	2.59	2.43	1.22	0.52	1.29	1.32
BALBOA, PANAMA	2.67	4.20	4.90	3.81	1.30	0.30	0.45	0.48	3.10A	0.08A	0.75	0.74
GUAYAQUIL, ECUADOR	3.85	0.99	0.55	0.52	0.48	0.69	1.05	1.47	3.72	0.93	2.42	1.43
LIMA, PERU	3.47	3.18	2.11	1.84	1.13	1.09	2.90	7.06	2.96	5.00	4.81	2.85
MARACAYBO, BOLIVIA	1.49	0.88	1.40	1.04	1.29	2.44	5.90	2.56	11.62A	4.22	6.07	3.43
ANTOFAGASTA, CHILE	3.25	2.49	1.48	1.33	1.16	1.09	2.42	1.78	2.22	5.04	2.10	1.53
ISLA DE PASCUA-EASTER IS.	--	--	0.89A	1.40	0.47	2.58	0.95	1.32	3.57	1.05	1.29	1.33
PORTILLO, CHILE	--	--	--	--	3.38	2.09	58.70A	11.00	--	--	--	18.40
SANTIAGO, CHILE	3.74	4.50	2.35	1.98A	1.38	1.08	2.70	2.18	1.53	2.10	3.23	2.31
PUERTO MONTT, CHILE	2.21	2.29	1.37	1.24	0.74	0.66A	0.61	1.38	3.74	0.83	1.93	0.72
PUNTA ARENAS, CHILE	1.17	1.12	1.30	0.78	0.54	0.54	0.64	0.83	3.56	0.30	0.40A	0.50
ANTARCTICA	0.88	1.58	0.93	0.95	0.58	0.47	0.75	0.54	3.45	0.44	3.38	0.51

--- NO DATA

ERRORS ARE LESS THAN 25% EXCEPT:
 A -- EACH NUMBER FOR ANC 1000
 B -- EACH NUMBER FOR ANC 100

STRONTIUM - 90 CONCENTRATIONS IN SURFACE AIR DURING 1967
(PENTACYLATES / CUBIC METERS)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	CCF.	NOV.	DEC.
THULE, GREENLAND	2.09	3.15	4.02	3.92	2.33	0.50	0.82	0.72	3.63	0.39	0.368	0.63
BRAVO OCEAN STATION	3.62	--	1.14	1.34	1.74	1.67	0.78	0.69	3.93	0.36	0.26	3.69
CHARLIE OCEAN STATION	--	--	1.32	1.87	1.46	1.12	--	0.51	3.61	3.44	3.40	0.64
FOOSONEE, ONTARIO	3.99	2.29	3.10	1.11	2.46	2.35	1.71	1.39	1.07	0.774	3.724	0.34
SEATTLE, WASHINGTON	1.30	1.88	2.27	--	--	2.01	1.75	--	--	--	--	3.81
DELTA OCEAN STATION	1.81	1.76	1.53	--	1.34	1.89	1.21	1.01	1.59	0.95	3.63	3.81
WESTWOOD, NEW JERSEY	1.58	3.16	2.93	--	4.38	3.02	2.08	--	--	1.10	0.484	3.744
NEW YORK, NEW YORK	1.894	3.43	3.00	3.43	3.85	3.43	1.97	1.53	1.65	1.10	0.484	3.744
STERLING, VIRGINIA	1.46	2.31	2.11	1.00	1.00	2.74	1.59	1.16	3.26	0.51	0	3.69
CCMO OCEAN STATION	2.61	1.99	2.11	1.43	2.14	2.00	2.01	0.90	3.45	0.77	3.59	0.64
PIAPI, FLORIDA	3.77	3.59	4.11	1.43	3.05	0.74	1.55	0.72	3.69	0.69	4	1.09
SIMINI, SAMAPAS	2.83	--	3.19	1.07	--	1.69	1.50	0.72	3.72	1.12	1.23	1.27
WALUA LIA, HAWAII	5.18	5.59	3.24	1.63	2.74	1.40	1.63	--	3.79	0.64	3.824	3.98
SAY JUAN, PUERTO RICO	3.88	--	3.23	1.63	1.40	0.65	1.55	1.11	3.41	0.37	3.43	3.72
RALROB, PANAMA	3.49	--	2.40	1.43	1.40	--	0.47	0.33	3.10	0.07	3.494	3.34
GLAYQUIL, ECUADOR	3.26	--	3.48	0.29	0.27	--	0.464	3.73	3.224	3.28	0.73	0.34
LIMA, PERU	1.41	--	0.70	0.42	0.43	--	1.11	--	1.29	1.45	0.60	0.64
MACALAYA, BOLIVIA	3.78	1.44	0.11	2.43	0.72	1.30	1.64	2.62	3.91	1.19	0.85	3.44
ANTOPAGASTA, CHILE	--	1.48	0.72	--	0.73	4.82	1.88	1.01	1.03	1.044	1.02	1.119
ISLA DE PASCUA-EASTER IS	1.00	0.99	3.93	1.03	--	--	--	0.55	--	0.69	0.96	0.81
PORTILLO, CHILE	3.36	--	1.17	1.17	1.79	--	--	--	--	--	--	--
SANTIAGO, CHILE	1.01	--	1.16	0.62	0.72	1.97	1.14	1.42	1.52	1.12	1.16	0.354
PLEATO MONTT, CHILE	1.29	--	1.02	0.83	0.48	3.48	0.90	0.52	3.37	0.51	3.52	0.75
PLANTA ARENAS, CHILE	3.84	--	3.90	2.45	0.43	0.25	3.32	0.13	1.214	0.37	0.29	0.43
ANTARCTICA	3.38	0.82	0.59	0.29	0.30	0.36	3.24	3.24	3.38	3.22	3.25	--

-- NO DATA

ERRORS ARE LESS THAN 10% EXCEPT
A - ERROR PLUS OR MINUS 50% AND 100%
B - ERROR GREATER THAN 100%

STRONTIUM - 90 CONCENTRATIONS IN SURFACE AIR DURING 1958
(PENTADAYS / CUBIC METERS)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
THULE, GREENLAND	1.18	1.82	2.74	2.04	1.95	1.77	1.41	2.33	1.85	0.81	1.00	1.72
BRAWO OCEAN STATION	3.65	0.55	1.57	0.06	1.34	1.28	0.45	0.81	3.76	0.71	3.51	9.55
CHARLIE OCEAN STATION	3.79	1.19	1.47	1.44	1.83	1.53	1.07	--	1.06	0.49	0.69	0.46
MONDOWE, ONTARIO	3.80	1.31	2.81	3.53	4.06	4.70	2.71	2.53	2.14	--	0.48	0.82
DELTA OCEAN STATION	1.91	--	2.16	3.16	2.50	2.32	2.04	2.17	1.18	0.96	--	0.61
NEW YORK, NEW YORK	1.424	2.044	3.39	4.484	4.95	3.10	3.714	2.504	2.74	1.32	0.87	1.12
STERLING, VIRGINIA	--	2.25	3.40	4.89	4.12	4.55	4.11	2.19	2.37	1.70	1.09	1.22
ECHO OCEAN STATION	1.23	--	1.73	3.45	3.29	2.83	2.67	2.23	3.94	1.70	0.93	1.15
MIAMI, FLORIDA	1.56	2.66	5.93	6.49	2.13	1.38	1.59	1.76	1.38	1.34	--	1.46
MIAMI, BRANAS	2.15	3.24	4.11	5.28	2.55	1.28	1.72	2.31	3.71	3.75	--	--
MAUNA LOA, HAWAII	2.57	1.38	3.70	6.80	5.18	5.80	3.08	2.65	2.33	1.07	0.66	1.30
SAN JUAN, PUERTO RICO	1.19	1.54	4.20	6.48	2.60	2.23	2.64	1.91	1.32	1.42	0.53	0.97
BAHOA, PANAMA	1.20	0.97	2.06	4.45	0.49	0.16	0.91	0.83	3.28	0.14	0.234	0.49
GLAYAGUIL, ECUADOR	3.30	0.32	0.24	0.19	0.19	0.16	0.16	1.16	1.33	0.47	0.30	1.47
LIMA, PERU	0.72	0.69	0.53	0.37	0.23	0.27	0.51	3.99	3.10	1.97	3.00	1.92
CHALALAYA, BOLIVIA	3.16	0.074	0.374	0.23	0.24	0.37	1.414	4.68	5.74	1.79	2.02	2.00
ANTOFAGASTA, CHILE	3.30	0.63	0.69	0.33	0.42	0.60	1.02	2.92	2.53	1.60	2.12	1.63
ISLA DE PASCUA-EASTER IS	3.78	0.77	--	0.57	--	--	--	--	--	0.53	--	--
PORTILLO, CHILE	--	--	--	--	--	--	2.93	11.20	1.37	--	--	--
SANTIAGO, CHILE	1.27	0.94	0.93	0.40	0.43	0.45	0.58	2.47	2.13	0.92	2.49	1.55
PUERTO MONTE, CHILE	3.82	0.56	0.51	0.37	0.234	0.24	0.24	0.78	3.79	0.55	0.78	0.99
PUNTA ARENAS, CHILE	3.37	0.41	0.43	0.37	0.19	0.15	0.234	0.24	3.36	0.25	0.31	3.36
ANTARCTICA	--	--	--	--	--	--	--	--	--	--	--	0.40

-- NO DATA

ERRORS ARE LESS THAN 20% EXCEPT
A - ERROR BETWEEN 20% AND 100%
B - ERROR GREATER THAN 100%

SYRONTIUM - 90 CONCENTRATIONS IN SURFACE AIR DURING 1969
(PICOGRAMS / CUBIC METER)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
THULE, GREENLAND	1.79	1.74	2.39	2.32	1.09	0.59	1.50	3.26	1.10	1.68	---	---
BRAVO OCEAN STATION	3.78	0.97	1.17	---	---	---	---	---	---	---	---	---
MARIE OCEAN STATION	3.83	1.33	1.01	---	---	---	---	---	---	---	---	---
MOOSEE, ONTARIO	1.22	1.53	2.51	3.48	2.24	2.21	2.84	3.70	2.01	1.15	0.78	0.59
DELTA OCEAN STATION	3.91	1.13	5.42	---	---	---	---	---	---	---	---	---
NEW YORK, NEW YORK	1.18	1.29	1.55	2.35	2.42	2.87	---	0.29	1.69	1.58	0.77	0.96
STERLING, VIRGINIA	1.45	---	2.16	2.45	4.23	3.90	3.42	3.44	2.33	1.40	0.90	0.91
ECHO OCEAN STATION	1.23	1.54	1.71	---	---	---	---	---	---	---	---	---
MIAMI, FLORIDA	2.79	---	2.27	2.03	0.86	1.13	2.04	1.82	3.62	1.21	1.32	1.54
BETHUNE, GEORGIA	1.41	1.52	1.69	2.97	2.39	0.91	2.43	2.39	1.06	0.98	1.63	2.68
MAUNA LOA, HAWAII	2.28	1.79	2.73	4.54	5.77	4.89	4.94	2.46	1.80	2.17	1.14	1.08
SAN JUAN, PUERTO RICO	3.89	1.91	2.13	1.98	1.79	1.72	2.45	2.16	3.84	0.68	0.99	1.33
BALBOA, PANAMA	3.56	1.16	1.09	1.27	0.64	0.21	0.64	0.18	3.09	0.164	0.20	0.52
GUAYAQUIL, ECUADOR	3.78	0.58	0.17	0.12	0.18	0.22	0.42	0.14	3.44	0.81	0.83	0.97
LEMA, PERU	2.14	2.34	1.25	0.98	0.23	0.59	1.59	1.77	2.61	5.49	3.52	2.28
CHACALTAYA, BOLIVIA	3.59	0.66	0.42	0.43	1.05	1.45	2.89	2.39	1.40	1.58	0.114	0.69
ANTOFAGASTA, CHILE	1.79	1.91	1.28	1.05	1.04	---	2.09	---	---	1.84	2.56	7.70
ISLA DE PASCUA-EASTER IS	---	---	---	0.61	---	---	1.17	---	---	1.14	---	---
PORTILLO, CHILE	11.00	10.70	---	---	---	---	---	---	---	---	---	---
SANTIAGO, CHILE	2.22	2.42	2.40	1.54	1.62	2.05	2.28	2.10	3.53	3.26	2.45	3.01
PUERTO MONTT, CHILE	1.85	1.33	1.86	1.36	1.11	0.97	1.18	1.29	1.19	1.35	1.05	---
PUNTA ARENAS, CHILE	3.73	0.85	1.19	0.57	0.62	0.70	0.83	0.49	3.63	0.44	0.50	0.54
ANTARCTICA	---	---	---	0.60	0.56	0.63	0.30	0.35	3.29	0.41	0.29	0.32

--- NO DATA

ERRORS ARE LESS THAN 5% EXCEPT:
A - ERROR BETWEEN 5% AND 100%
B - ERROR GREATER THAN 100%

STROMTIUM - 90- CONCENTRATIONS IN SURFACE AIR DURING 1970
(FENTDCURIRES / CURIC METER)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
NORD, GREENLAND	--	--	--	--	--	--	--	--	1.36	1.18	1.18	--
THULE, GREENLAND	1.42	1.60	4.68	3.09	2.51	6.72	--	1.85	2.14	1.10	0.87	--
HOOSMEE, ONTARIO	1.01	1.26	--	2.39	4.32	3.85	4.29	4.17	2.40	1.69	1.04	1.12
NEW YORK, NEW YORK	1.15	1.91	2.77	3.37	5.80	3.31	5.50	5.23	1.86	1.63	1.59	0.99
STERLING, VIRGINIA	0.98	1.88	2.05	3.35	5.92	6.25	4.78	5.16	2.17	1.40	1.38	0.90
MIAMI, FLORIDA	1.47	3.03	2.71	7.95	11.20	4.11	2.58	1.97	0.98	1.14	1.51	1.96
BIMINI, BAHAMAS	1.72	3.42	4.31	6.77	8.43	--	4.28	3.27	0.86	0.89	1.90	2.39
MAUNA LOA, HAWAII	1.58	4.08	7.74	8.25	8.17	5.71	4.86	2.27	2.62	0.87	1.05	0.90
SAN JUAN, PUERTO RICO	0.80	1.37	2.89	5.33	3.63	3.42	3.89	3.45	1.17	0.54	0.91	1.18
BALBOA, PANAMA	0.73	1.05	--	2.35	2.43	0.78	6.81	--	0.21	--	--	--
GUAYAQUIL, ECUADOR	0.51	0.78A	0.28	--	0.18	6.36	6.49	0.45	0.75	0.46	0.40	0.42
LIMA, PERU	3.45	1.89	1.66	1.95	0.89	1.02	--	--	2.42	3.25	3.14	1.36
CHACALAYA, BOLIVIA	0.72	0.61	0.31	0.54	1.69	--	--	--	3.86	3.68	3.50	0.82
ANTOFAGASTA, CHILE	4.99	1.42	1.15	--	--	--	--	2.12	2.74	2.87	2.27	2.03
ISLA DE PASCUA-EASTER IS	1.51	--	--	--	0.45	6.72	--	0.82	1.18	1.06	--	1.16
SANTIAGO, CHILE	2.46	B	1.73	1.20	0.81	1.19	1.34	--	1.88	1.83	0.44	2.40
PUERTO MONTT, CHILE	--	--	--	--	--	0.46	0.50	0.63	0.80	3.77	1.18	0.88
PURTA ARENAS, CHILE	0.70	1.16	0.60	0.64	0.39	6.20	0.39	0.30	3.37	3.39	3.51	0.41
ANTARCTICA	1.18	2.03	3.89	1.20	1.12	0.64	0.75	0.34	0.50	3.63	0.57	0.48
SOUTH POLE STATION	--	--	--	--	0.44	0.81	6.85	6.54	0.69	3.78	3.62	1.79

-- NO DATA

ERRORS ARE LESS THAN 20% EXCEPT:
A - ERROR BETWEEN 20% AND 100%
B - ERROR GREATER THAN 100%

STRONTIUM - 90 CONCENTRATIONS IN SURFACE AIR DURING 1971
(PICOCURIES / CUBIC METER)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
NORD, GREENLAND	0.94	0.28	2.19	2.73	2.13	1.92	1.56	1.08	0.48	0.45	0.83	0.44
THULE, GREENLAND	2.01	2.27	4.69	4.83	3.31	2.64	3.94	2.32	1.03	0.48	0.92	1.32
HOOSONEE, ONTARIO	1.97	0.75	2.80	3.06	5.81	6.66	5.21	3.97	1.87	1.06	--	--
SALT LAKE CITY, UTAH	1.99	2.43	3.57	8.34	11.00	11.60	7.74	4.11	3.21	1.49	1.09	1.55
NEW YORK, NEW YORK	1.12	3.92	3.24	2.93	5.09	6.86	7.37	3.75	2.27	0.62	3.52	0.85
ROCKY FLATS, COLORADO #1	--	--	3.64	6.11	8.11	10.80	1.58	3.38	2.44	1.25	3.84	1.23
STERLING, VIRGINIA	1.16	1.34	2.98	4.79	5.85	4.70	5.27	2.60	1.43	0.57	3.67	0.88
MIAMI, FLORIDA	2.55	2.37	4.73	7.03	6.47	3.41	3.81	1.39	0.63	0.45	1.15	--
BIMINI, BAHAMAS	1.74	4.34	6.79	6.42	8.45	3.37	4.01	1.55	0.99	1.21	4.67	--
HAUNA LOA, HAWAII	2.67	2.44	4.19	2.71	7.19	10.40	5.11	2.29	1.45	1.01	5.89	1.22
SAN JUAN, PUERTO RICO	1.14	1.76	3.97	--	--	--	--	--	--	--	3.46	0.79
BALBOA, PANAMA	--	--	--	--	1.30	1.51	1.75	0.66	0.17	0.08	0.16A	0.58
MERIDA, VENEZUELA	--	--	--	--	--	--	--	0.68	0.34	0.25	0.19	0.42
PICO BOPEJO, VENEZUELA	--	--	--	--	--	--	--	0.26	0.26	0.18	0.15	0.53
LA AGUADA, VENEZUELA	--	--	--	--	--	--	--	0.57	0.23	0.21	0.15	0.35
GUAYAQUIL, ECUADOR	0.57	0.35	0.24	0.34	0.25	0.19	0.46	0.29	0.26	0.10	0.22	0.21
LIMA, PERU	1.75	1.52	2.79	--	2.04	0.92	2.25	2.58	2.44	2.31	2.36	4.15
CHACALTAYA, BOLIVIA	0.55	0.16	0.42	0.39	1.03	2.30	5.34	2.63	3.38	3.06	--	1.17
ANTOFAGASTA, CHILE	2.04	1.71	2.02	1.35	0.94	1.74	4.51	4.12	0.61	2.30	2.43	1.75
ISLA DE PASCUA-EASTER IS	1.24	--	1.66	0.59	0.41	0.42	1.09	0.55	1.33	1.47	1.54	1.19
SANTIAGO, CHILE	2.81	--	2.57	3.44	1.28	1.46	2.91	2.57	2.14	1.86	1.09	1.17
PUERTO MONTT, CHILE	1.13	2.05	1.74	1.42	1.09	0.64	0.86	0.73	0.64	0.70	0.95	0.87
PUNTA ARENAS, CHILE	0.44	0.70	0.98	--	0.73	0.53	0.66	--	--	--	--	--
ANTARCTICA	0.64	0.77	0.57	0.57	0.49	0.12	0.39	0.36	0.32	0.29	0.19A	0.48
SOUTH POLE STATION	0.99	1.02	1.31	1.49	1.12	0.58	0.67	0.79	0.89	1.04	1.18	3.25

-- NO DATA

ERRORS ARE LESS THAN 2% EXCEPT
A - ERROR BETWEEN 2% AND 100%
B - ERROR GREATER THAN 100%

C-71

STATION # 10 CONCENTRATIONS IN SURFACE AIR DURING 1972
(FENTOCURIES / CUBIC METER)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
NORF, GREENLAND	1.61	1.64	1.76	1.20	--	--	0.42	0.44	0.36	0.27	0.38	0.49
THULE, GREENLAND	3.69	1.09	1.73	0.58	1.01	0.68	1.58	1.07	0.42	--	--	--
WOODSREE, ONTARIO	--	--	--	1.81	1.04	1.39	2.48	2.03	1.46	0.36	0.72	0.504
SALT LAKE CITY, UTM	1.74	1.56	2.06	2.72	3.48	3.22	2.48	1.25	0.82	0.51	0.33	0.368
NEW YORK, NEW YORK	2.29	2.92	1.35	1.58	1.48	1.61	1.68	1.25	0.82	0.51	0.33	0.368
ROCKY FLATS, COLORADO #1	1.20	1.32	2.37	2.68	1.64	1.72	1.18	0.95	--	2.34	2.38	0.59
ROCKY FLATS, COLORADO #7	--	--	--	--	--	--	0.89A	1.31	0.67	0.49	0.46	0.52
ROCKY FLATS, COLORADO #3	--	--	--	--	--	--	--	--	--	1.01	2.54	0.61
STERLING, VIRGINIA	2.30	2.95	1.14	1.82	0.77	1.57	0.73	0.75	0.56	2.69	2.24	0.27
MIAMI, FLORIDA	--	1.28	1.40	2.95	1.08	1.01	0.58	0.73	0.45	0.42	0.40	0.50
MIAMI, FLORIDA	--	1.63	--	--	--	--	--	--	--	--	--	--
MAUNA LOA, HAWAII	2.75	2.09	1.60	2.12	2.32	1.96	1.66	0.66	0.98	0.47	0.41	0.37
SAN JUAN, PUERTO RICO	0.63	0.74	0.97	1.89	1.15	--	0.99	0.73	0.39	0.17	0.32	0.23
BAHIA, PANAMA	0.70	0.64	0.81	1.10	0.34	--	0.43	0.42	0.11A	0.06A	0.11	0.31
MERIDA, VENEZUELA	0.24	0.62	2.42	0.42	0.10	0.35	--	0.18	2.11	--	--	--
PICO ESPEJO, VENEZUELA	2.62	0.52	2.44	0.34	2.07	0.14	0.07	0.09	2.04	2.24	2.13A	0.33
LA AGUADA, VENEZUELA	2.34	0.61	2.47	0.30	0.08	0.22	--	0.17	0.10	--	--	--
GUAYQUIL, ECUADOR	2.19	0.19	2.14	0.25	0.13	0.12	0.03A	0.14	2.28	2.38	2.29	0.35
LIMA, PERU	3.49	1.54	1.91	1.10	0.46	0.77	0.58	0.78	3.36	1.44	2.21	1.49
CHACALTAYA, BOLIVIA	2.54	2.83	2.33	0.40	0.61	0.76	0.49	0.76	0.50	1.19	2.73	0.41
ANTOFAGASTA, CHILE	1.73	2.25	1.97	1.57	0.78	1.12	1.65	1.69	1.71	1.65	1.34	0.47
ISLA DE PASCUA-EASTERN IS	1.73	1.98	--	0.42	0.44	0.38	0.47	0.66	0.67	0.60	0.61	0.35
SAVIERO, CHILE	--	1.13	2.33	1.30	2.77	0.51	1.01	1.07	1.51	1.87	1.59	1.29
PUERTO MONTT, CHILE	1.63	2.37	1.52	0.67	0.70	0.45	0.41	0.54	0.64	--	0.40	0.47
PUNTA ARENAS, CHILE	--	--	--	--	--	--	--	0.27	2.31	2.26	2.25	0.40
ANTARCTICA	2.47	2.85	2.51	0.60	0.36	0.27	0.23	0.33	0.19	0.24	2.16	0.26
SOUTH POLE STATION	3.49	1.77	1.19	0.93	0.85	0.84	0.34	0.62	0.87	2.79	2.85	0.20

--- NO DATA
 ERRORS ARE LESS THAN 2% EXCEPT:
 A - ERROR BETWEEN 5% AND 10%
 B - ERROR GREATER THAN 15%

STRONTIUM - 90 CONCENTRATIONS IN SURFACE AIR DURING 1979
(PICOGRAMS / CUBIC METRE)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
THAE, GREENLAND	3.38	0.37	3.73	0.78	0.45	0.37	0.12	0.16	0.22	0.14	0.17	0.31
KAP TORIN, GREENLAND	--	--	--	--	--	--	--	--	--	3.25	3.14	0.23
MOOSMEE, ONTARIO	--	3.27	3.42	0.59	0.55	0.39	0.60	0.77	3.12	3.13	3.11	3.12
MELENA, MONTANA	--	--	--	--	--	--	--	--	--	0.29	3.16	0.24
SALT LAKE CITY, UTAH	0.61	0.61	3.53	--	1.75	1.29	0.56	0.53	3.35	3.61	--	--
NEW YORK, NEW YORK	3.40	3.47	3.38A	0.89A	0.62	0.67	1.30	0.69	0.23	0.22	3.16	0.18
ROCKY FLATS, COLORADO #1	0.41	3.62	3.35	0.72	1.11	0.61	0.95	3.29	3.21	3.23	3.22	0.22
ROCKY FLATS, COLORADO #2	0.37	3.65	3.29	0.68	0.40	0.94	0.15	0.25	3.23	3.20	3.25	3.16
ROCKY FLATS, COLORADO #3	3.31	3.89	3.51	0.72	1.56	1.13	0.60	0.32	3.33	3.29	3.29	3.23
STERLING, VIRGINIA	3.40	3.53	3.42	0.71	0.62	0.65A	0.39	0.27	3.23	3.17	3.15	3.22
STICHOBY, CARIPONIA	--	--	3.54	0.53	0.58	0.31	0.17	0.14	3.17	3.17	3.12	0.13
MIAMI, FLORIDA	0.60	0.91	1.16	1.06	0.07	0.45	0.36	3.29	3.11	3.19	3.27	3.43
MAUNA LOA, HAWAII	3.52	1.18	3.68	1.52	1.21	0.80	0.50	0.21	0.16	3.14	3.15	3.42
SAN JUAN, PUERTO RICO	0.34	3.59	3.42	0.80	0.55	0.32	0.25	0.22	3.28	3.19	3.16	0.33
BALBOA, PANAMA	3.40	3.46	3.23	0.71	0.63	0.44A	0.58	0.16	3.22	3.12	--	3.15
PICO ESPEJO, VENEZUELA	3.33	0.25	0.16	0.22	0.13A	0.13A	0.23	0.26A	3.22A	3.14	3.05	3.12
CUMAYQUIL, ECUADOR	0.18	0.14	3.07	0.07	0.07	0.07	0.44A	3.16	3.18	3.10	3.05A	3.12
LIMA, PERU	3.99	1.33	3.57	0.35	0.22	0.14	0.39A	0.41	3.37	3.45	3.33	3.39
CHICALTAYA, BOLIVIA	3.28	3.29	3.16	0.17	0.14	0.39	0.38	0.35	3.33	3.44	3.15	3.12
ANTOPAGASTA, CHILE	3.59	1.37	3.46	0.42	0.47	0.43	0.18	1.03	3.53	3.52	3.36	3.42
ISLA DE PASCUM-EASTER IS	0.56	0.43	3.44	1.04	0.15	0.20	0.18	0.13	3.18	3.13	3.14	3.24
SANTIAGO, CHILE	1.18	1.83	3.96	0.87	0.25	0.40	0.60	0.41	--	--	3.22A	0.47
PUERTO MONTT, CHILE	3.98	--	3.79	0.32	0.22	0.23	0.17	0.15	3.14	3.15	3.24	3.22
PUNTA ARENAS, CHILE	0.43	0.31	3.47	0.29	0.13	0.11	0.07	0.11	3.12	0.10	3.13	3.12
ANTARCTICA	0.48	0.32	0.23	0.29	0.16	0.12	0.07A	0.18	0.29	0.07	0.09	0.55A
SOUTH POLE STATION	0.81	0.77	0.78	0.66	0.71	0.26	0.73	0.16	0.21	0.27	0.32	0.24

-- NO DATA

ERRORS ARE LESS THAN 1% EXCEPT
A - ERROR BETWEEN 1% AND 10%
B - ERROR GREATER THAN 10%

STRONTIUM - 90 CONCENTRATIONS IN SURFACE AIR DURING 1974
(FEMTOCURIES / CUBIC METER)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
TMULE, GREENLAND	3.34	3.79	1.32	2.78	2.02	1.89	0.85	--	3.62	3.19	3.43	0.53
KAP TOBIN, GREENLAND	3.18	3.82	3.73	1.82	1.96	0.81	0.77	0.69	3.59	3.53	3.37	0.64
MOOSNEE, ONTARIO	3.18	3.37	3.73	1.50	2.01	2.78	1.74	1.01	3.58	3.32	0.24	0.33
MELEVA, MONTANA	3.32	3.71	2.06	3.17	5.81	6.38	2.70	1.95	1.34	3.44	3.56	0.36
SALT LAKE CITY, UTAH	--	3.78	3.83	3.27	5.92	3.58	2.17	2.14	1.24	3.59	3.66	0.56
NEW YORK, NEW YORK	3.44	0.66	1.11	2.44	2.84	3.34	2.82	1.67	1.01	3.63	3.43	0.50
ROCKY FLATS, COLORADO #1	3.38	1.34	2.36	4.19	4.48	5.30	1.83	1.48	0.98	0.52	0.59	0.84
ROCKY FLATS, COLORADO #2	3.66	3.52	2.33	4.28	1.03	3.35	2.27	1.89	1.20	3.54	0.35A	0.71
ROCKY FLATS, COLORADO #3	3.97	1.73	3.03	6.03	--	--	--	--	--	--	--	--
ROCKY FLATS, COLORADO #4	--	--	--	--	6.73	3.35	2.20	2.36	1.36	0.64	0.82	1.10
STERLING, VIRGINIA	3.46	3.67A	1.50	2.01	--	--	--	--	--	--	--	--
RICHMOND, CALIFORNIA	0.48	3.83	1.26	2.18	1.46	2.07	0.94	0.56	0.36	--	3.66	0.42
MIAMI, FLORIDA	0.86	3.39	3.55	2.72	5.71	2.17	1.23	0.85	3.16	3.61	3.53	0.62
MAUNA LOA, HAWAII	3.57	2.47	4.28	3.47	3.89	3.18	1.76	0.99	3.66	3.71	3.87	1.24
SAN JUAN, PUERTO RICO	3.50	0.96	--	--	--	--	--	--	--	--	--	--
BALBOA, PANAMA	--	--	--	--	0.40	0.75	0.05	0.42	0.07	0.06	0.11A	0.26
PICO ESPEJO, VENEZUELA	3.51	--	--	--	--	--	--	--	--	--	--	--
GUAYQUIL, ECUADOR	3.22A	3.34	3.01A	0.05A	0.04	0.05A	0.51	3.28	0.36	3.25	3.14	0.31
LINA, PERU	3.23	3.22	3.09A	--	0.04	0.10	0.62	1.15	1.06	1.92	3.67	0.74
CHACALTAYA, BOLIVIA	3.36	3.35	3.11	0.04A	0.09	0.13	5.63	2.61	4.93	2.45	1.46	0.63
ANTOFAGASTA, CHILE	3.39	0.40	3.13	0.16	0.11	6.10	0.74	1.73	1.14	1.29	3.41	0.40
ISLA DE PASCUA-EASTER IS	0.21	0.18	0.16	0.11	0.09	0.17	0.14	0.48	0.34	0.30	0.46A	0.36
SANTIAGO, CHILE	3.41	3.52	0.34	0.06	0.11	0.05A	0.20	0.80	0.77	0.44	0.20A	0.49
PUERTO MONTT, CHILE	3.32	3.25	3.16	0.09	0.12	0.06	0.08	0.12	0.21	0.16	0.28	3.36
PUNTA ARENAS, CHILE	3.13	3.15	3.13	0.08	0.10	0.05	0.07	0.38	3.13	0.13	0.11	0.15
ANTARCTICA	--	3.18	3.39	0.08	0.06	0.07A	0.05A	0.07A	3.03A	3.36A	3.13	0.16
SOUTH POLE STATION	3.43	3.41	3.26	0.12	0.12	0.12	0.11	0.15	3.11	3.19	3.28	0.42

--- NO DATA

ERRORS ARE LESS THAN 1% EXCEPT
A - ERROR BETWEEN 3% AND 100%
B - ERROR GREATER THAN 133%

STROFIJN - 90 CONCENTRATIONS IN SURFACE AIR DURING 1975
(PERCENTAGES / CUBIC METER)

SITE	JUN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
THULE, GREENLAND	3.73	1.46	1.46	1.71	1.04	0.49	--	0.08	--	3.21	--	0.27
BARRON, ALASKA	--	--	--	--	--	--	--	--	3.10	3.26	0.12	0.13
KAP TORIN, GREENLAND	3.79	1.25	1.65	1.25	1.56	0.64	0.28	0.23	3.25	3.19	3.17	0.22
MOOSJEE, ONTARIO	3.34	3.83	2.37	1.33	1.39	0.90	0.74	0.63	3.19	3.14	0.09	0.15
HELVNA, MONTANA	1.33	3.89	1.23	6	0.67	--	--	--	3.37	3.17	3.18	0.16
SALT LAKE CITY, UTAH	3.92	1.34	2.07	--	--	--	--	--	--	--	--	--
NEW YORK, NEW YORK	3.53	3.99	1.53	2.37	1.77	1.28	1.08	0.57	3.26	3.24	3.21	0.19
ROCKY FLATS, COLORADO #1	1.15	1.33	1.31	2.35	2.62	1.91	0.72	0.65	0.45	0.24	0.21	0.27
ROCKY FLATS, COLORADO #2	3.94	1.26	1.57	2.16	--	--	0.70	0.53	0.32	3.21	0.15	0.17
ROCKY FLATS, COLORADO #4	1.16	1.62	1.72	2.78	--	--	--	--	--	--	--	--
RICHMOND, CALIFORNIA	3.89	1.17A	1.66	1.32	1.55	0.69	0.23	0.23	3.23	3.21A	3.22	0.14
MIAMI, FLORIDA	1.30	1.23	1.85	2.44	1.04	0.35	0.30	0.26	3.17	3.11	0.20	0.28
MAUNA LOA, HAWAII	1.90	2.36	1.92	2.49	2.81	1.45	1.07	0.43	3.30	0.12	0.20	0.23
BALBOA, PANAMA	0.51	0.44	0.58	0.68	0.45	0.20	0.14	0.05	B	B	0.01A	0.07
GUAYAQUIL, ECUADOR	3.18	3.13	3.11A	0.68A	0.11	0.03A	B	0.09A	3.04A	3.35A	3.39A	0.10
LIMA, PERU	3.85	3.94	3.73	0.42	0.28	0.18	0.25	0.49	3.52	3.63	3.57	0.33
CHACALTAYA, BOLIVIA	3.21	3.37	3.15	0.19	0.11	0.22	0.44	0.46	0.17	--	3.21	0.12
ANTOFAGASTA, CHILE	3.56	3.93	1.32	0.54	0.43	--	--	--	--	--	--	--
ISLA DE PASCUA-EASTER IS	3.29	3.51	3.57	0.28	0.24	0.29	0.22	0.15	3.15	3.14A	3.16	--
SANTIAGO, CHILE	3.68	3.79	1.43	0.59	0.49	0.34	--	--	3.36	3.37	3.32A	0.57
PUERTO MONTT, CHILE	3.75	3.73	3.73	0.40	0.29	0.28	0.20	0.17	3.21	3.24A	3.14	0.12
PUNTA ARENAS, CHILE	0.22	0.22	3.46	--	B	0.12	0.12	0.09	0.08	--	0.07	0.12
ANTARCTICA	3.14	3.16	3.10	0.23	0.25	0.14	0.14	0.15	0.39	3.09	0.19	1.30
SOUTH POLE STATION	3.42	3.83	3.59	0.54	0.50	0.28	0.31	0.29	0.28	3.23	0.30	0.36

-- NO DATA

ERRORS ARE LESS THAN 2% EXCEPT:
A - ERROR BETWEEN 2% AND 10%
B - ERROR GREATER THAN 10%

STRONTIUM - 90 CONCENTRATIONS IN SURFACE AIR DURING 1975
(PERCENTILES / CURIE METERS)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
THULE, GREENLAND	---	0.25	---	---	---	---	---	---	---	---	---	---
BARRON, ALASKA	3.14	3.29	3.23	0.14	3.14	0.10	0.07	B	3.32A	---	---	---
KAP TOBIN, GREENLAND	3.19	3.15	3.14	B	0.16	0.07	0.06	0.05	---	---	---	---
MOOSJHEE, ONTARIO	3.14	3.23	3.31	0.24	0.23	0.32	0.32	0.13A	3.09	3.11	3.11	0.11
MELENA, MONTANA	3.25	3.29	3.35	0.47	0.42	0.43	0.39	0.32	3.21	---	---	---
NEW YORK, NEW YORK	3.23	0.27	3.36	0.42	0.42	0.45	0.31	0.17	0.19	0.13	0.13	0.13
ROCKY FLATS, COLORADO #1	3.29	3.43	3.63	0.61	0.56	0.51	0.29	0.14	---	---	---	---
ROCKY FLATS, COLORADO #2	3.20	3.34	3.45	0.41	0.45	0.43	0.20	0.13	---	---	---	---
RICHMOND, CALIFORNIA	3.29	3.29	3.34	0.28	0.30	0.20	0.12	0.26A	0.13	---	---	---
MIAMI, FLORIDA	3.24	3.41	3.45	0.63	0.30	0.13	0.15	0.09	3.06	3.71	3.37	0.30
MAUNA LOA, HAWAII	3.63	3.67	3.63	---	---	---	---	---	---	---	---	0.20
BALBOA, PANAMA	3.30	3.19	3.20	0.23	3.11	0.44	0.44	0.46	---	---	---	---
GUAYQUIL, ECUADOR	3.34	3.35	B	B	B	0.38	B	B	0.35A	---	---	---
LEMA, PERU	3.31	3.22	3.28	0.11	0.04A	0.05	0.07	0.13	3.12	3.11	3.11	0.11
TUTUELA, SAMOA	---	---	---	B	0.01A	0.02A	0.05	0.10	3.11	---	---	---
CHACALTAYA, BOLIVIA	3.32A	3.38	3.44	0.64	0.04A	0.09	0.04	0.11A	3.03A	3.13	3.13	0.13
ANTOFAGASTA, CHILE	---	---	---	0.13	0.05	0.07	0.11	0.15	---	---	---	---
ISLA DE PASCUA-EASTER IS	3.21	3.12A	3.12	---	---	---	0.07	0.07	---	---	---	---
SANTIAGO, CHILE	3.37	3.63	3.26	0.24	0.11	0.09	0.28	0.18	3.17	3.15	3.15	0.15
PUERTO MONTT, CHILE	3.19	3.17	3.14	0.04	0.04A	B	---	0.06	---	---	---	---
PUNTA ARENAS, CHILE	3.39	3.13	3.25A	0.64	0.04A	B	0.24A	0.33A	0.03A	0.03	0.03	0.03
SOUTH POLE STATION	3.51	---	---	---	---	---	---	---	---	---	---	---

--- NO DATA

ERRORS ARE LESS THAN 20% EXCEPT:
A - ERROR BETWEEN 25% AND 100%
B - ERROR GREATER THAN 100%

SIRCHIJM - 30 CONCENTRATIONS IN SURFACE AIR DURING 1977
(TEMPERATURES / CUBIC METERS)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
WOODBINE, ONTARIO	3.28	3.28	3.28	1.01	1.01	1.01	0.74	0.74	3.74	3.58	3.58	3.54
NEW YORK, NEW YORK	3.18	3.18	3.18	1.46	1.46	1.47	1.18	1.18	1.18	3.89	3.89	3.89
ROCKY PLATS, COLORADO #1	--	--	2.49	0.83	1.88	1.88	0.88	0.89	0.15	3.15	1.29	1.28
ROCKY PLATS, COLORADO #2	--	--	3.21	0.72	2.32	2.31	1.26	--	0.05	3.05	1.47	0.05
LIVERMORE, CALIFORNIA	--	--	--	--	1.46	2.20	3.58	2.34	2.09	2.37	1.66	1.05
MIAMI, FLORIDA	3.28	3.28	3.28	1.34	1.34	1.34	0.65	0.65	0.65	1.99	1.20	1.15
MAUNA LOA, HAWAII	3.51	3.52	1.34	1.34	--	--	--	--	3.43	1.47	1.01	1.01
LIMA, PERU	3.13	3.13	3.13	0.65	0.65	0.65	0.08	0.08	3.08	3.13	3.13	0.15
CHACALTAYA, BOLIVIA	3.25	3.25	3.25	0.10	3.10	0.10	0.21	0.21	3.21	3.25	3.25	3.25
SANTIAGO, CHILE	3.17	3.17	3.17	0.66	0.66	0.66	0.06	0.06	3.06	3.37	3.37	3.37
PUNTA ARENAS, CHILE	3.26	3.26	3.26	0.03	0.03	0.03	0.02	0.02	3.02	3.33	3.33	3.33

-- NO DATA

ERRORS ARE LESS THAN 2% EXCEPT:
 1 - AIR TEMPERATURE AND
 2 - AIR HUMIDITY

STRONTIUM - 90 CONCENTRATIONS IN SURFACE AIR DURING 1968
(FEMTOGRAMS / CUBIC METERS)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
MOOSEE, ONTARIO	1.36	1.06	1.07	1.50	1.45	1.46	0.70	0.71	0.69	0.26	0.25	0.25
NEW YORK, NEW YORK	0.98	0.98	0.98	1.72	1.71	1.61	0.91	0.90	0.49	0.29	0.29	0.28
ROCKY FLATS, COLORADO #1	---	---	---	---	2.29	2.25	1.25	1.27	1.26	0.63	0.63	0.64
ROCKY FLATS, COLORADO #4	1.23	1.23	3.93	2.56	2.56	2.57	1.01	1.01	1.01	0.67	0.57	0.47
LIVERMORE, CALIFORNIA	1.37	1.77	2.93	2.60	2.29	2.67	2.44	1.54	1.33	0.93	0.79	0.50
MIAMI, FLORIDA	1.38	1.38	1.38	1.52	1.52	1.51	0.35	0.35	0.35	0.33	0.36	---
MAUNA LOA, HAWAII	0.80	0.80	0.80	1.44	1.46	1.45	0.43	0.42	0.43	0.32	0.32	0.31
LIMA, PERU	0.07	0.07	0.07	0.04A	0.04A	0.04A	0.06	0.06	0.06	0.06	0.06	0.06
CHACALTAYA, BOLIVIA	---	---	---	0.08	0.08	0.08	0.14	0.14	0.14	0.14	0.14	0.04
SANTIAGO, CHILE	---	---	---	0.04A	0.04A	0.04A	0.06	0.06	0.06	0.06	0.06	0.04
PUNTA ARENAS, CHILE	0.04	0.04	0.04	0.02	0.07	0.02	0.02	0.02	0.03	0.03	0.03	0.02

--- NO DATA

ERRORS ARE LESS THAN 20% EXCEPT
 @ - ERROR BETWEEN 25% AND 100%
 # - ERROR GREATER THAN 100%

SEVENTEEN - 33 CONCENTRATIONS BY SURFACE AIR DURING 1979
(PICOGRAMS / CUBIC METER)

SITE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
MOOSNEE, ONTARIO	3.37	3.37	3.37	0.44	0.43	0.44	0.25	0.25	0.25	---	---	---
NEW YORK, NEW YORK	3.35	3.35	3.34	0.32	0.53	0.52	0.30	0.33	3.33	---	---	---
ROCKY FLATS, COLORADO #1	3.52	3.52	3.52	0.41	0.41	0.41	0.27	0.27	0.27	---	---	---
ROCKY FLATS, COLORADO #4	3.55	3.55	3.54	0.64	3.04	0.64	0.32	0.32	3.32	---	---	---
LIVERMORE, CALIFORNIA	3.51	3.53	3.73	3.79	1.04	1.15	0.65	0.49	3.31	---	---	---
MIAMI, FLORIDA	3.444	3.444	3.444	0.46	0.46	0.46	0.07	0.07	3.07	---	---	---
MAUNA LOA, HAWAII	3.54	3.65	3.64	0.58	3.58	0.58	0.24	0.25	3.25	---	---	---
LIMA, PERU	3.26	0.06	3.06	0.03	0.03	0.03	0.04	0.04	0.04	---	---	---
CHACALTAYA, BOLIVIA	3.22	0.03	3.03	0.03	0.03	0.03	0.06	0.06	0.06	---	---	---
SANTIAGO, CHILE	3.39	3.39	3.39	0.07	0.07	0.07	0.014	0.014	0.014	---	---	---
PUNTA ARENAS, CHILE	3.35	3.35	3.35	0.03	3.03	0.03	0.02	0.02	3.02	---	---	---

--- NO DATA

ERRORS ARE LESS THAN 2% EXCEPT:
A - ERROR GREATER THAN 20% AND 100%
B - ERROR GREATER THAN 150%