

Titelblad



**Statens  
strålskyddsinstitut**

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**Författare**

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**Avdelning**

Miljölaboratoriet

**Dokumentets titel**

Mätstationer för gammastrålning - mätresultat 1982

**Sammanfattning**

Resultat från mätning av gammastrålning från fem av statens strålskyddsinstitutets mätstationer, år 1982

**Nyckelord (valda av författaren)**

Gammastrålning, mätresultat

**Antal sidor**

20

## INLEDNING

I statens strålskyddsinstituts regi mäts kontinuerligt gammastrålningen vid 25 platser i Sverige. Platserna är utmärkta på kartan sidan 3. Registreringen vid fem av mätstationerna, understrukna på kartan, utvärderas i nuläget med större noggrannhet än de övriga. Resultaten från dessa fem redovisas i föreliggande rapport.

Rapporten ger en redovisning av mätresultaten från 1982. Mätresultaten ges i tabellform för dygnsmedelvärde, veckomedelvärde och månadsmedelvärde. Slutligen ges en tabell för den senaste femårsperioden för respektive mätstation. Som framgår av tabellerna är det variationer i mätresultaten under vinterhalvåret. Detta beror i huvudsak på snötäckets dämpning av bakstrålningen. För att lättare kunna jämföra mätresultat från år ges i den sista tabellen förutom årsmedelvärde även medelvärde under dagar med barmark.

En beskrivning av mätsystemet finns i arbetsdokument a 81-05, utgivet av statens strålskyddsinstitut.

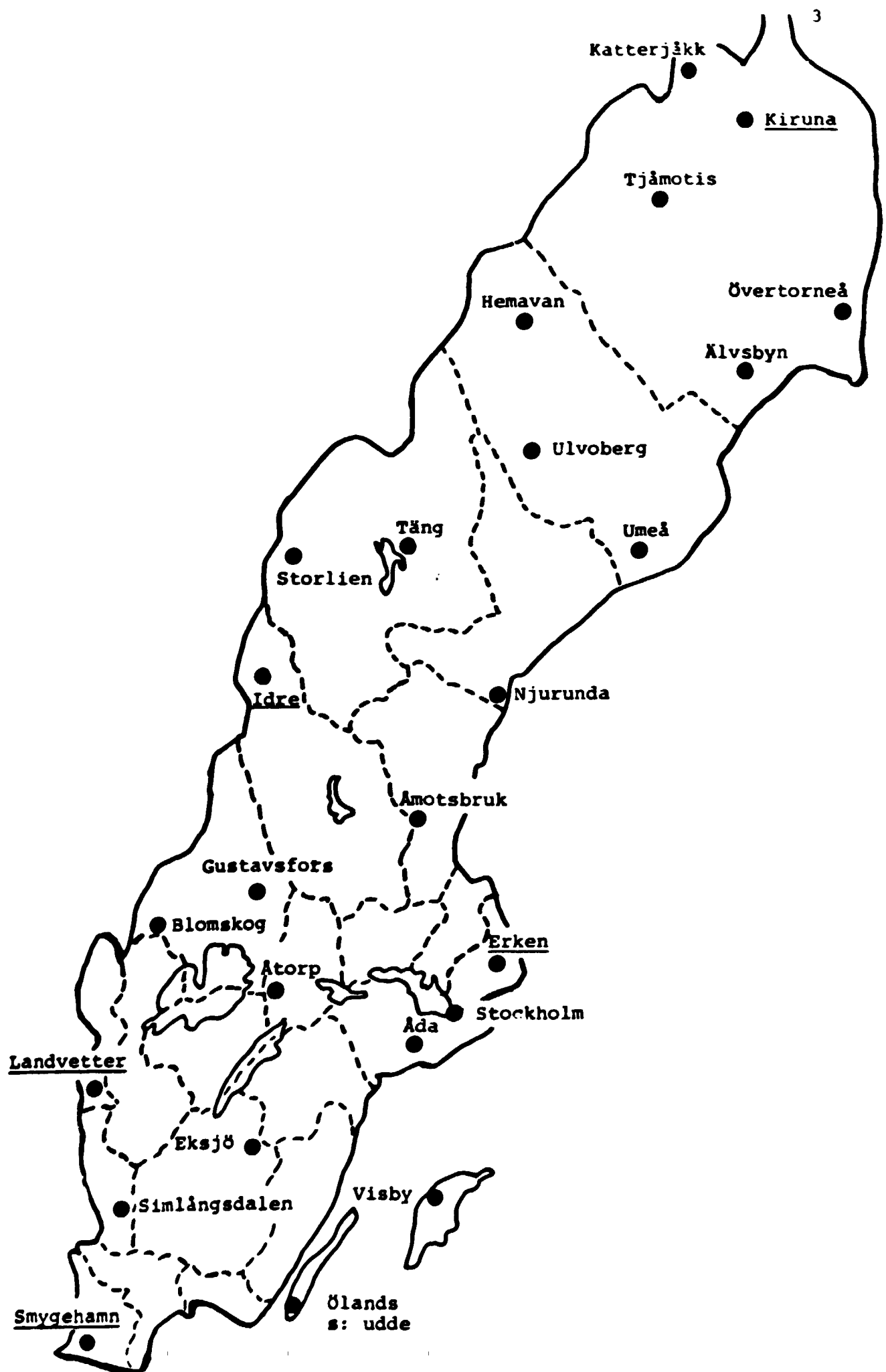
Stockholm 1983-01-17

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\*\*\*\*\*  
 \*\*\*\*\* GANMA RADIATION AT GROUND LEVEL INCLUDING COSMIC RADIATION \*\*\*\*\* 1982 \*\*\*\*\*  
 \*\*\*\*\* DAY-BY-DAY RESULTS FOR 1982 FROM THE MEASURING STATION AT KIRUNA \*\*\*\*\*  
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(ALL THE VALUES IN THE TABLE ARE IN MICRORENTGEN/HOUR)

!	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 !	9.5	9.5	9.8	9.1	8.6	12.8	12.9	12.7	12.7	12.5	12.3	11.0
2 !	9.8	9.5	9.6	9.1	8.3	12.3	12.6	12.7	12.5	12.5	12.3	10.7
3 !	9.5	9.0	9.3	9.4	8.9	12.6	12.6	12.9	12.7	12.5	12.0	10.5
4 !	9.8	9.3	9.3	9.1	8.9	12.3	12.9	12.9	12.7	12.8	12.0	10.7
5 !	9.5	9.0	9.3	9.9	8.6	12.8	13.1	12.9	13.0	12.5	11.2	11.0
6 !	9.5	9.3	9.1	9.4	8.9	12.8	12.6	12.9	13.0	12.8	12.3	11.3
7 !	9.8	9.5	9.1	9.1	8.3	12.6	12.6	12.4	12.7	12.5	12.8	10.7
8 !	9.5	9.5	9.3	9.1	8.9	12.6	12.6	12.9	13.0	13.0	12.0	10.7
9 !	10.3	9.5	8.8	9.4	9.4	12.8	12.9	13.2	12.5	13.0	12.6	11.0
10 !	10.3	9.3	9.6	9.1	9.1	12.3	12.4	12.9	12.5	13.3	12.3	11.3
11 !	10.0	9.5	9.1	10.1	9.4	12.3	12.1	12.7	12.7	13.1	12.0	11.3
12 !	9.5	9.0	9.1	8.8	9.4	12.6	12.6	12.7	12.7	12.3	11.8	11.0
13 !	10.3	9.6	9.1	8.3	9.9	13.1	12.1	12.9	12.7	13.1	12.3	11.3
14 !	11.1	9.3	9.3	8.6	9.9	12.6	12.4	12.7	12.7	12.8	11.5	11.6
15 !	9.5	9.3	9.1	8.6	10.2	12.6	12.6	12.7	12.7	12.3	10.7	11.3
16 !	9.5	9.3	9.1	8.8	10.7	12.6	12.6	12.7	12.7	12.5	11.5	11.0
17 !	9.0	8.8	9.1	8.6	10.2	12.6	12.9	12.7	12.7	12.5	11.2	10.7
18 !	9.5	9.0	8.8	8.3	10.5	12.9	12.4	12.4	12.7	12.5	11.8	11.0
19 !	9.3	8.8	9.1	8.3	10.5	12.6	12.6	13.0	12.5	12.5	11.5	11.0
20 !	9.3	9.0	8.6	8.3	11.2	12.9	12.6	13.0	13.0	12.8	11.2	10.8
21 !	9.3	9.3	9.1	8.3	11.2	12.9	12.9	12.7	12.2	12.8	11.8	10.5
22 !	9.5	9.3	8.8	8.3	11.5	12.6	12.4	13.0	12.5	12.8	11.2	10.5
23 !	9.5	9.3	9.1	8.3	12.3	12.9	12.6	12.4	12.5	12.0	11.5	10.2
24 !	9.5	8.8	9.1	8.3	11.8	13.1	12.9	13.0	12.5	12.8	11.3	10.5
25 !	10.0	9.3	9.1	8.9	12.3	12.1	12.9	12.7	13.0	12.3	11.0	10.5
26 !	9.8	9.3	9.1	8.3	12.0	11.8	12.4	12.7	12.5	12.3	10.7	10.2
27 !	9.8	9.6	8.8	8.6	12.3	13.4	12.9	12.7	12.2	12.5	11.5	10.8
28 !	9.8	9.6	9.3	8.9	12.0	12.9	12.7	13.0	12.5	11.2	11.3	10.2
29 !	9.8		9.1	8.9	12.3	12.9	12.7	12.7	12.5	11.7	10.7	9.7
30 !	9.8		9.1	8.6	12.3	12.6	12.7	12.4	12.5	12.3	10.5	10.0
31 !	9.3		9.3		12.6		12.7	13.2		11.8		10.5

MONTHLY AVERAGES

!	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
AV. !	9.7	9.3	9.1	8.8	10.4	12.7	12.6	12.8	12.7	12.5	11.6	10.8

\*\*\*\*\*  
 WHOLE-YEAR AVERAGE (365 DAYS) = 11.09  
 WHOLE-YEAR AVERAGE FOR THE 149 SNOW-FREE DAYS = 12.64  
 \*\*\*\*\*

ALTITUDE (METERS): 505                      LATITUDE (DEGREES): 68                      STATION CODE: A2  
 HEIGHT OF IONIZATION CHAMBER ABOVE THE GROUND: 2.5 METERS  
 NATURE OF UNDERLYING SURFACE: GRAVEL

BK CONSTANT(1) USED: 26.28                      (DAY 1 - DAY 366)

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 \*\*\*\*\* GAMMA RADIATION AT GROUND LEVEL INCLUDING COSMIC RADIATION \*\*\*\*\* 1982 \*\*\*\*\*  
 \*\*\*\*\* DAY-BY-DAY RESULTS FOR 1982 FROM THE MEASURING STATION AT IDRE \*\*\*\*\*  
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(ALL THE VALUES IN THE TABLE ARE IN MICROROENTGEN/HOUR)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.8	8.3	8.8	8.9	10.1	10.4	10.7	11.0	10.8	10.6	10.9	9.6
2	9.0	8.6	8.8	9.1	10.4	10.7	11.0	11.0	11.0	10.6	10.9	9.6
3	8.5	8.3	8.8	8.9	10.4	10.4	11.2	10.8	10.8	10.6	10.9	9.9
4	8.8	8.6	8.8	9.1	10.4	10.7	11.0	11.0	10.8	10.6	10.6	9.6
5	8.5	8.6	8.6	8.9	10.1	10.7	10.7	11.0	10.8	10.6	10.6	10.2
6	8.5	8.8	8.4	9.1	9.9	10.7	10.7	11.0	10.5	10.8	10.9	9.9
7	8.8	8.8	8.6	9.6	10.1	10.7	10.5	11.0	10.8	10.8	10.9	9.6
8	8.5	8.6	8.6	9.1	10.4	10.7	10.7	11.3	10.8	10.6	10.9	9.9
9	8.8	8.6	8.6	9.1	10.4	10.7	10.5	10.8	10.5	10.6	11.4	10.4
10	9.3	8.3	9.1	9.4	10.1	10.4	10.5	11.0	10.8	10.6	10.9	9.9
11	8.8	8.6	9.1	9.1	10.4	10.7	10.7	11.0	10.6	10.8	10.9	9.9
12	8.5	8.3	8.8	8.9	10.2	10.7	10.5	11.3	10.8	10.8	10.9	9.9
13	8.8	8.3	8.9	8.6	10.2	10.7	10.5	11.0	10.8	11.1	11.4	9.9
14	8.5	8.3	8.6	8.9	10.2	10.7	10.7	11.3	10.6	11.1	11.1	10.2
15	8.5	8.1	8.6	8.6	10.4	10.7	10.5	11.0	10.8	11.1	10.9	10.4
16	8.5	8.3	8.6	8.9	10.7	10.7	10.7	11.0	10.8	10.8	11.1	10.2
17	8.6	7.8	8.6	8.9	10.7	10.7	10.2	11.3	10.6	10.6	10.9	10.2
18	8.6	8.3	8.6	8.9	10.4	10.7	10.5	11.3	10.8	10.6	11.1	9.9
19	8.6	8.1	8.4	8.6	10.7	10.7	10.5	11.3	10.8	10.9	11.1	9.9
20	8.6	8.3	8.4	9.1	10.4	10.9	10.7	11.3	11.8	10.9	10.9	9.9
21	8.3	8.3	8.4	9.1	10.7	10.7	10.7	11.0	10.8	10.9	10.9	9.9
22	8.6	8.6	8.1	9.1	10.7	10.9	10.5	10.8	10.8	10.9	10.6	9.9
23	8.8	8.8	8.4	9.4	10.9	10.9	11.0	11.3	10.8	10.9	10.6	9.7
24	8.8	8.8	8.4	9.4	10.9	10.9	10.7	11.0	10.6	10.6	10.4	9.7
25	9.0	8.6	8.4	9.1	10.9	10.7	11.0	11.0	10.6	10.9	10.4	9.4
26	9.3	8.6	8.4	9.4	10.7	11.0	10.5	10.8	11.3	10.9	10.1	9.7
27	9.0	8.3	8.6	9.6	10.7	11.0	10.7	11.0	10.6	10.6	9.9	9.7
28	9.1	8.8	8.9	10.1	10.9	11.0	10.7	10.8	10.6	10.6	9.4	9.4
29	9.1		8.6	9.9	10.7	11.0	10.7	10.0	10.6	10.4	10.1	9.2
30	9.3		8.6	10.1	10.4	10.7	11.0	11.3	11.1	10.4	9.6	9.4
31	8.6		8.9		10.4		10.7	11.0		10.6		9.7

MONTHLY AVERAGES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
AV.	8.8	8.5	8.6	9.2	10.5	10.7	10.7	11.0	10.8	10.7	10.7	9.8

\*\*\*\*\*  
 WHOLE-YEAR AVERAGE (365 DAYS) = 10.01

WHOLE-YEAR AVERAGE FOR THE 196 SNOW-FREE DAYS = 10.74  
 \*\*\*\*\*

ALTITUDE (METERS): 450

LATITUDE (DEGREES): 62

STATION CODE: B6

HEIGHT OF IONIZATION CHAMBER ABOVE THE GROUND: 2.5 METERS

NATURE OF UNDERLYING SURFACE: GRASS

BK CONSTANT(1) USED: 35.50 (DAY 1 - DAY 366)

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\*\*\*\*\*  
 \*\*\*\*\* GAMMA RADIATION AT GROUND LEVEL INCLUDING COSMIC RADIATION \*\*\*\*\* 1982 \*\*\*\*\*  
 \*\*\*\*\*  
 \*\*\*\*\* DAY-BY-DAY RESULTS FOR 1982 FROM THE MEASURING STATION AT ERKEN \*\*\*\*\*  
 \*\*\*\*\*

(ALL THE VALUES IN THE TABLE ARE IN MICROROENTGEN/HOUR)

!	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 !	8.9	7.4	8.0	9.1	12.2	12.0	12.2	12.4	12.2	11.7	12.1	11.9
2 !	8.7	7.2	7.8	9.3	12.2	12.4	12.0	12.2	12.4	12.0	12.2	11.9
3 !	9.1	7.8	8.0	9.1	12.0	12.2	12.4	12.4	12.2	12.2	12.1	11.7
4 !	9.5	7.4	8.0	9.7	12.0	12.4	12.4	12.8	11.8	12.0	12.1	11.7
5 !	8.3	7.6	7.6	9.7	12.0	12.4	12.0	12.4	12.2	12.2	12.1	12.4
6 !	8.3	7.8	7.4	10.1	11.8	12.0	12.0	12.6	12.0	12.6	12.1	12.1
7 !	8.3	7.4	7.6	10.3	12.0	12.2	12.0	12.2	12.0	12.2	12.1	12.1
8 !	8.7	7.4	7.6	10.8	12.0	12.2	12.2	12.4	12.2	12.2	12.2	12.3
9 !	8.7	7.4	7.6	10.8	12.0	12.0	12.2	12.4	12.0	12.2	12.4	12.3
10 !	9.1	7.4	7.8	10.8	12.2	12.4	12.0	12.4	12.0	12.0	12.1	12.3
11 !	8.7	7.4	8.2	10.8	11.6	12.2	12.0	12.4	12.0	12.2	12.2	12.1
12 !	8.5	7.4	7.8	10.6	12.0	12.4	12.2	12.2	12.2	12.4	11.7	12.1
13 !	8.5	7.4	7.8	10.6	11.8	12.2	12.0	12.4	12.2	12.0	12.4	12.1
14 !	8.5	7.2	7.6	10.6	12.0	12.4	11.6	12.6	12.2	12.4	12.8	12.1
15 !	8.3	7.6	7.8	10.4	12.0	12.4	12.0	12.8	12.2	12.4	12.4	12.3
16 !	8.3	7.4	7.8	10.8	12.2	12.4	12.2	12.0	12.2	12.2	12.1	12.3
17 !	8.5	7.4	7.8	11.0	12.2	12.4	12.4	12.4	12.4	12.0	11.9	12.1
18 !	8.3	7.6	7.6	11.0	11.8	12.4	12.0	11.8	12.4	11.9	12.1	11.7
19 !	8.5	7.8	7.8	11.2	11.8	12.4	12.2	12.4	12.4	11.9	12.3	11.7
20 !	8.3	7.8	7.8	11.2	12.0	12.6	12.2	12.4	12.4	12.4	12.4	12.1
21 !	8.5	7.8	7.8	11.4	12.0	12.0	12.2	12.4	12.2	12.2	12.1	11.7
22 !	8.7	7.6	7.8	11.4	12.2	12.4	12.2	12.0	12.2	12.2	12.3	11.9
23 !	8.7	7.8	7.8	11.6	12.2	12.6	12.2	12.0	12.4	12.2	12.3	11.7
24 !	8.7	7.6	8.0	11.8	12.2	12.6	12.4	12.4	12.8	12.2	12.4	11.7
25 !	8.7	7.8	8.2	11.8	12.0	12.6	12.6	12.2	12.2	12.0	11.9	11.5
26 !	8.7	7.6	8.4	12.0	12.0	12.4	12.4	11.6	12.2	12.6	12.4	11.9
27 !	8.5	7.6	8.7	12.0	12.0	12.6	12.0	12.4	12.4	12.1	11.9	11.9
28 !	8.3	8.0	8.7	12.2	12.2	12.6	12.0	12.0	12.2	11.9	12.6	11.9
29 !	8.3		8.9	12.2	12.2	12.8	12.2	12.8	12.0	11.7	11.9	11.7
30 !	8.1		8.7	12.0	12.0	12.4	12.2	12.8	11.8	12.1	11.9	11.9
31 !	7.6		9.5		12.2		12.4	12.0		12.1		11.9

MONTHLY AVERAGES

!	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
AV. !	8.6	7.5	8.0	10.9	12.0	12.3	12.2	12.3	12.2	12.2	12.2	11.9

\*\*\*\*\*  
 WHOLE-YEAR AVERAGE (365 DAYS) = 11.05

WHOLE-YEAR AVERAGE FOR THE 253 SNOW-FREE DAYS = 12.04  
 \*\*\*\*\*

ALTIMITUDE (METERS): 15                      LATITUDE (DEGREES): 60                      STATION CODE: C3  
 HEIGHT OF IONIZATION CHAMBER ABOVE THE GROUND: 2.5 METERS  
 NATURE OF UNDERLYING SURFACE: ROCK

BK CONSTANT(1) USED: 42.00 (DAY 1 - DAY 366)  
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\*\*\*\*\*  
 \*\*\*\*\* GAMMA RADIATION AT GROUND LEVEL INCLUDING COSMIC RADIATION \*\*\*\*\* 1982 \*\*\*\*\*  
 \*\*\*\*\* DAY-BY-DAY RESULTS FOR 1982 FROM THE MEASURING STATION AT LANDVETTER \*\*\*\*\*  
 \*\*\*\*\*

(ALL THE VALUES IN THE TABLE ARE IN MICRORENTGEN/HOUR)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.0	7.7	9.1	9.9	10.1	10.2	10.1	10.6	10.0	9.8	10.8	10.0
2	9.0	7.5	9.6	10.3	10.4	10.2	10.1	10.6	10.0	10.1	9.9	10.0
3	8.8	7.5	9.6	10.1	10.8	10.2	10.1	10.4	10.2	10.3	9.7	10.0
4	8.8	7.5	9.6	10.1	10.2	10.2	10.1	10.6	10.2	10.1	10.1	10.0
5	9.0	7.7	9.3	10.1	10.2	10.5	10.1	10.6	10.0	10.1	9.9	10.9
6	8.6	8.0	9.3	10.1	9.9	10.5	9.9	10.6	10.0	10.3	11.6	10.2
7	8.8	7.7	9.4	10.3	10.4	10.2	10.1	10.6	10.0	10.5	9.0	10.2
8	8.6	7.7	9.4	10.5	10.2	10.5	9.9	10.6	10.0	10.5	10.4	10.2
9	8.8	8.0	9.8	10.1	9.9	10.2	10.1	10.4	9.8	10.1	10.4	10.5
10	9.0	8.2	10.0	10.3	9.9	10.2	10.1	10.6	10.0	10.3	10.2	10.9
11	8.8	8.0	9.8	10.3	10.9	10.5	10.1	10.2	9.8	10.1	10.2	10.5
12	8.6	8.0	10.0	10.1	9.0	10.7	10.1	10.6	10.0	10.3	10.6	10.5
13	8.6	8.4	9.6	10.1	10.0	10.7	10.1	10.4	9.8	10.6	10.4	10.0
14	8.6	8.6	9.8	10.1	10.0	10.0	9.9	10.4	10.0	10.6	10.4	10.2
15	8.6	8.4	10.0	9.9	10.2	10.0	10.3	10.4	10.0	10.3	10.2	10.2
16	8.6	8.4	10.0	10.1	10.2	10.0	9.9	10.4	9.8	10.3	10.4	10.0
17	8.6	8.4	10.0	9.9	10.2	10.0	10.1	10.4	10.0	10.1	10.4	10.5
18	8.6	8.2	9.8	10.1	10.2	10.0	10.1	10.4	10.5	10.1	10.2	10.3
19	8.6	8.4	10.0	9.9	10.2	10.3	10.3	10.2	10.3	10.3	10.7	10.3
20	8.8	8.4	10.1	10.1	10.0	10.3	10.3	10.2	10.5	10.3	10.2	9.8
21	8.6	8.4	9.8	10.1	10.0	10.3	10.3	10.2	10.5	10.3	10.7	10.3
22	8.6	8.7	9.8	10.1	10.2	10.3	10.3	10.2	9.8	10.3	10.2	10.3
23	8.6	8.7	9.6	10.1	10.2	10.0	10.4	10.0	10.0	10.1	10.9	10.0
24	8.6	8.7	9.8	9.9	10.2	10.3	10.4	10.2	10.0	10.1	10.9	9.6
25	9.0	8.9	9.8	10.1	10.0	10.3	10.6	10.2	10.0	10.4	10.7	9.8
26	8.6	8.4	9.8	10.1	10.0	10.3	10.4	10.2	10.0	10.1	10.4	10.0
27	8.4	8.9	10.1	10.1	10.2	10.3	10.4	10.0	10.1	9.9	10.4	10.3
28	8.2	8.9	10.3	10.4	10.0	10.1	10.4	10.0	10.1	9.9	10.0	10.0
29	8.4		10.1	10.1	10.0	10.3	10.6	10.0	10.1	9.9	10.2	9.8
30	7.9		10.1	10.4	10.0	10.1	10.4	10.0	10.1	9.9	9.7	10.0
31	7.7		10.1		10.0		10.6	10.0		10.4		10.0

MONTHLY AVERAGES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
AV.	8.6	8.2	9.8	10.1	10.1	10.3	10.2	10.3	10.1	10.2	10.3	10.2

\*\*\*\*\*  
 WHOLE-YEAR AVERAGE (365 DAYS) = 9.88

WHOLE-YEAR AVERAGE FOR THE 294 SNOW-FREE DAYS = 10.16  
 \*\*\*\*\*

ALTITUDE (METERS): 155

LATITUDE (DEGREES): 58

STATION CODE: D2

HEIGHT OF IONIZATION CHAMBER ABOVE THE GROUND: 2.5 METERS

NATURE OF UNDERLYING SURFACE: GRASS

BK CONSTANT(1) USED: 44.62 (DAY 1 - DAY 366)

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\*\*\*\*\*  
 \*\*\*\*\* GAMMA RADIATION AT GROUND LEVEL INCLUDING COSMIC RADIATION \*\*\*\*\* 1982 \*\*\*\*\*  
 \*\*\*\*\* DAY-BY-DAY RESULTS FOR 1982 FROM THE MEASURING STATION AT SMYGENHAMN \*\*\*\*\*  
 \*\*\*\*\*

(ALL THE VALUES IN THE TABLE ARE IN MICROROENTGEN/HOUR)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.2	7.7	8.3	8.1	8.1	8.1	8.1	8.2	8.2	8.2	8.2	7.8
2	7.8	7.5	8.3	8.3	8.3	8.1	8.1	8.2	8.0	8.2	8.0	7.8
3	8.4	7.7	8.3	8.1	8.3	8.1	8.1	8.2	8.2	8.0	7.8	8.0
4	8.6	7.7	8.1	8.3	8.1	8.1	8.1	8.2	8.0	8.4	8.2	7.8
5	8.0	7.7	8.1	8.1	8.3	8.5	7.9	8.2	8.2	8.4	7.8	9.3
6	8.0	8.1	7.9	8.3	8.1	8.1	7.9	8.4	8.2	8.4	8.0	7.2
7	8.0	7.7	7.9	8.7	8.7	8.1	7.9	8.2	8.0	8.8	8.2	8.0
8	7.8	7.9	7.9	8.3	8.1	8.3	7.9	8.2	8.0	8.8	8.2	8.2
9	7.8	7.9	8.1	8.3	8.1	7.9	8.1	8.2	8.0	8.6	8.2	8.4
10	8.0	7.9	8.5	8.5	8.1	8.3	7.9	8.2	8.0	8.2	8.2	8.4
11	7.8	7.9	8.5	8.3	7.9	8.3	7.9	8.0	8.2	8.4	8.0	8.4
12	7.8	7.9	8.3	8.3	8.1	8.1	8.1	8.4	8.0	8.6	8.4	8.2
13	7.6	8.1	8.1	8.3	8.1	8.5	7.9	8.2	8.0	8.6	8.2	8.2
14	7.6	7.9	8.3	8.1	7.9	8.1	7.7	8.2	8.0	8.6	8.4	8.2
15	7.8	7.9	8.1	8.1	8.3	8.1	8.1	8.2	8.2	8.6	8.0	8.6
16	7.8	7.9	8.3	8.3	8.1	8.1	7.9	8.2	8.0	8.2	8.4	8.4
17	7.8	7.9	8.3	8.1	8.3	8.1	7.9	8.2	8.2	8.2	8.2	8.4
18	7.8	7.9	8.3	8.1	8.3	8.3	7.7	8.2	8.2	8.0	8.4	8.2
19	7.8	7.7	8.3	8.3	8.1	8.1	7.9	8.2	8.4	8.2	8.2	8.2
20	7.8	7.9	8.7	8.3	8.1	8.1	7.9	8.4	8.4	8.4	8.4	8.4
21	7.8	7.9	8.1	8.1	8.1	8.1	7.9	8.2	8.2	8.0	8.2	8.4
22	7.8	7.9	8.1	8.1	8.1	8.1	8.2	8.0	8.2	8.4	8.2	8.2
23	7.8	8.1	8.1	8.3	8.3	8.3	8.2	8.0	8.2	8.4	8.4	8.0
24	7.9	8.1	7.9	8.1	8.3	8.1	8.2	8.2	8.0	8.0	8.0	8.2
25	7.9	8.3	7.9	8.1	8.1	8.1	8.0	8.0	8.2	8.0	8.2	7.8
26	8.1	8.1	8.1	8.1	8.1	8.3	8.4	8.4	8.2	8.2	8.2	8.2
27	8.1	8.1	8.3	8.3	8.1	8.1	8.2	8.0	8.2	8.0	8.4	8.0
28	7.9	8.3	8.3	8.3	8.1	8.5	8.2	8.0	8.2	7.8	8.0	8.0
29	8.3	8.3	8.3	7.9	8.1	8.2	8.0	8.2	8.0	8.0	8.0	8.0
30	7.9	8.3	8.3	8.1	7.9	8.2	8.2	8.2	8.2	8.0	7.8	7.8
31	7.9	8.1	8.1	8.1	8.1	8.2	8.0	8.0	8.0	8.0	8.0	8.0

MONTHLY AVERAGES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
AV.	7.9	7.9	8.2	8.2	8.2	8.2	8.0	8.1	8.1	8.3	8.2	8.2

\*\*\*\*\*  
 WHOLE-YEAR AVERAGE (365 DAYS) = 8.13

WHOLE-YEAR AVERAGE FOR THE 324 SNOW-FREE DAYS = 8.16  
 \*\*\*\*\*

ALTITUDE (METERS): 5                      LATITUDE (DEGREES): 55                      STATION CODE: D6

HEIGHT OF IONIZATION CHAMBER ABOVE THE GROUND: 2.5 METERS

NATURE OF UNDERLYING SURFACE: GRASS

BK CONSTANT(1) USED: 38.00                      (DAY 1 - DAY 366)

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 \*\*\* GAMMA RADIATION AT GROUND LEVEL INCLUDING COSMIC RADIATION \*\*\* 1982 \*\*\*  
 \*\*\*\*\*  
 \*\*\*\*\* WEEKLY AVERAGES AT KIRUNA \*\*\*\*\*  
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WEEK NO.	WEEK STARTING	AVERAGE GAMMA RADIATION (MICROROENTGEN/HOUR)	RANGE	UNRECORDED DAYS (FAULT)
1	JAN 4	9.8	9.5 - 10.3	0
2	JAN 11	9.8	9.0 - 11.1	0
3	JAN 18	9.4	9.3 - 9.5	0
4	JAN 25	9.8	9.3 - 10.0	0
5	FEB 1	9.3	9.0 - 9.5	0
6	FEB 8	9.4	9.0 - 9.6	0
7	FEB 15	9.1	8.8 - 9.3	0
8	FEB 22	9.3	8.8 - 9.6	0
9	MAR 1	9.4	9.1 - 9.8	0
10	MAR 8	9.2	8.8 - 9.6	0
11	MAR 15	9.0	8.6 - 9.1	0
12	MAR 22	9.0	8.8 - 9.3	0
13	MAR 29	9.2	9.1 - 9.4	0
14	APR 5	9.4	9.1 - 10.1	0
15	APR 12	8.6	8.3 - 8.8	0
16	APR 19	8.4	8.3 - 8.9	0
17	APR 26	8.6	8.3 - 8.9	0
18	MAY 3	8.8	8.3 - 9.4	0
19	MAY 10	9.8	9.1 - 10.7	0
20	MAY 17	11.1	10.2 - 12.3	0
21	MAY 24	12.1	11.8 - 12.3	0
22	MAY 31	12.6	12.3 - 12.8	0
23	JUN 7	12.6	12.3 - 13.1	0
24	JUN 14	12.7	12.6 - 12.9	0
25	JUN 21	12.7	11.8 - 13.4	0
26	JUN 28	12.8	12.6 - 12.9	0
27	JUL 5	12.6	12.1 - 13.1	0
28	JUL 12	12.5	12.1 - 12.9	0
29	JUL 19	12.7	12.4 - 12.9	0
30	JUL 26	12.7	12.4 - 12.9	0
31	AUG 2	12.8	12.4 - 12.9	0
32	AUG 9	12.8	12.7 - 13.2	0
33	AUG 16	12.8	12.4 - 13.0	0
34	AUG 23	12.7	12.4 - 13.0	0
35	AUG 30	12.8	12.4 - 13.2	0
36	SEP 6	12.7	12.5 - 13.0	0
37	SEP 13	12.7	12.5 - 12.7	0
38	SEP 20	12.6	12.2 - 13.0	0
39	SEP 27	12.5	12.2 - 12.5	0
40	OCT 4	12.9	12.5 - 13.3	0
41	OCT 11	12.6	12.3 - 13.1	0
42	OCT 18	12.6	12.0 - 12.8	0
43	OCT 25	12.0	11.2 - 12.5	0
44	NOV 1	12.1	11.2 - 12.8	0
45	NOV 8	12.1	11.5 - 12.6	0
46	NOV 15	11.4	10.7 - 11.8	0
47	NOV 22	11.2	10.7 - 11.5	0
48	NOV 29	10.7	10.5 - 11.0	0
49	DEC 6	11.0	10.7 - 11.3	0
50	DEC 13	11.1	10.7 - 11.6	0
51	DEC 20	10.5	10.2 - 10.8	0

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 \*\*\* GAMMA RADIATION AT GROUND LEVEL INCLUDING COSMIC RADIATION \*\*\* 1982 \*\*\*  
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 \*\*\*\*\* WEEKLY AVERAGES AT IDRE \*\*\*\*\*  
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WEEK NO.	WEEK STARTING	AVERAGE GAMMA RADIATION (MICRORONTGEN/HOUR)	RANGE	UNRECORDED DAYS (FAULT)
1	JAN 4	8.7	8.5 - 9.3	0
2	JAN 11	8.6	8.5 - 8.8	0
3	JAN 18	8.6	8.3 - 8.8	0
4	JAN 25	9.1	8.6 - 9.3	0
5	FEB 1	8.6	8.3 - 8.8	0
6	FEB 8	8.4	8.3 - 8.6	0
7	FEB 15	8.2	7.8 - 8.3	0
8	FEB 22	8.7	8.3 - 8.8	0
9	MAR 1	8.7	8.4 - 8.8	0
10	MAR 8	8.8	8.6 - 9.1	0
11	MAR 15	8.5	8.4 - 8.6	0
12	MAR 22	8.4	8.1 - 8.9	0
13	MAR 29	8.9	8.6 - 9.1	0
14	APR 5	9.2	8.9 - 9.6	0
15	APR 12	8.8	8.6 - 8.9	0
16	APR 19	9.1	8.6 - 9.4	0
17	APR 26	10.0	9.4 - 10.4	0
18	MAY 3	10.3	9.9 - 10.4	0
19	MAY 10	10.3	10.1 - 10.7	0
20	MAY 17	10.6	10.4 - 10.9	0
21	MAY 24	10.7	10.4 - 10.9	0
22	MAY 31	10.6	10.4 - 10.7	0
23	JUN 7	10.6	10.4 - 10.7	0
24	JUN 14	10.7	10.7 - 10.9	0
25	JUN 21	10.9	10.7 - 11.0	0
26	JUN 28	10.9	10.7 - 11.2	0
27	JUL 5	10.6	10.5 - 10.7	0
28	JUL 12	10.5	10.2 - 10.7	0
29	JUL 19	10.7	10.5 - 11.0	0
30	JUL 26	10.8	10.5 - 11.0	0
31	AUG 2	11.0	10.8 - 11.3	0
32	AUG 9	11.0	10.8 - 11.3	0
33	AUG 16	11.1	10.8 - 11.3	0
34	AUG 23	10.9	10.0 - 11.3	0
35	AUG 30	10.9	10.8 - 11.3	0
36	SEP 6	10.7	10.5 - 10.8	0
37	SEP 13	10.7	10.6 - 10.8	0
38	SEP 20	11.0	10.6 - 11.8	0
39	SEP 27	10.6	10.6 - 11.1	0
40	OCT 4	10.7	10.6 - 10.8	0
41	OCT 11	10.9	10.6 - 11.1	0
42	OCT 18	10.8	10.6 - 10.9	0
43	OCT 25	10.6	10.4 - 10.9	0
44	NOV 1	10.8	10.6 - 10.9	0
45	NOV 8	11.1	10.9 - 11.4	0
46	NOV 15	11.0	10.9 - 11.1	0
47	NOV 22	10.2	9.4 - 10.6	0
48	NOV 29	9.8	9.6 - 10.2	0
49	DEC 6	9.9	9.6 - 10.4	0
50	DEC 13	10.1	9.9 - 10.4	0
51	DEC 20	9.7	9.4 - 9.9	0

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 \*\*\* GAMMA RADIATION AT GROUND LEVEL INCLUDING COSMIC RADIATION \*\*\* 1982 \*\*\*  
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 \*\*\*\*\* WEEKLY AVERAGES AT ERKEN \*\*\*\*\*  
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WEEK NO.	WEEK STARTING	AVERAGE GAMMA RADIATION (MICROROENTGEN/HOUR)	RANGE	UNRECORDED DAYS (FAULT)
1	JAN 4	8.7	8.3 - 9.5	0
2	JAN 11	8.5	8.3 - 8.7	0
3	JAN 18	8.6	8.3 - 8.7	0
4	JAN 25	8.3	7.6 - 8.7	0
5	FEB 1	7.5	7.2 - 7.8	0
6	FEB 8	7.4	7.2 - 7.4	0
7	FEB 15	7.6	7.4 - 7.8	0
8	FEB 22	7.7	7.6 - 8.0	0
9	MAR 1	7.7	7.4 - 8.0	0
10	MAR 8	7.8	7.6 - 8.2	0
11	MAR 15	7.8	7.6 - 7.8	0
12	MAR 22	8.2	7.8 - 8.7	0
13	MAR 29	9.2	8.7 - 9.7	0
14	APR 5	10.5	9.7 - 10.8	0
15	APR 12	10.7	10.4 - 11.0	0
16	APR 19	11.5	11.2 - 11.8	0
17	APR 26	12.1	12.0 - 12.2	0
18	MAY 3	11.9	11.8 - 12.0	0
19	MAY 10	12.0	11.6 - 12.2	0
20	MAY 17	12.0	11.8 - 12.2	0
21	MAY 24	12.1	12.0 - 12.2	0
22	MAY 31	12.2	12.0 - 12.4	0
23	JUN 7	12.2	12.0 - 12.4	0
24	JUN 14	12.4	12.4 - 12.6	0
25	JUN 21	12.4	12.0 - 12.6	0
26	JUN 28	12.4	12.0 - 12.8	0
27	JUL 5	12.1	12.0 - 12.2	0
28	JUL 12	12.1	11.6 - 12.4	0
29	JUL 19	12.3	12.2 - 12.6	0
30	JUL 26	12.2	12.0 - 12.4	0
31	AUG 2	12.4	12.2 - 12.8	0
32	AUG 9	12.5	12.2 - 12.8	0
33	AUG 16	12.2	11.8 - 12.4	0
34	AUG 23	12.2	11.6 - 12.8	0
35	AUG 30	12.2	11.8 - 12.8	0
36	SEP 6	12.1	12.0 - 12.2	0
37	SEP 13	12.3	12.2 - 12.4	0
38	SEP 20	12.4	12.2 - 12.8	0
39	SEP 27	12.1	11.7 - 12.4	0
40	OCT 4	12.2	12.0 - 12.6	0
41	OCT 11	12.3	12.0 - 12.4	0
42	OCT 18	12.2	11.9 - 12.4	0
43	OCT 25	12.1	11.7 - 12.6	0
44	NOV 1	12.1	12.1 - 12.2	0
45	NOV 8	12.3	11.7 - 12.8	0
46	NOV 15	12.2	11.9 - 12.4	0
47	NOV 22	12.3	11.9 - 12.6	0
48	NOV 29	11.9	11.7 - 12.4	0
49	DEC 6	12.2	12.1 - 12.3	0
50	DEC 13	12.0	11.7 - 12.3	0
51	DEC 20	11.8	11.5 - 12.1	0

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 \*\*\* GAMMA RADIATION AT GROUND LEVEL INCLUDING COSMIC RADIATION \*\*\* 1982 \*\*\*  
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 \*\*\*\*\* WEEKLY AVERAGES AT LANDVETTER \*\*\*\*\*  
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WEEK NO.	WEEK STARTING	AVERAGE GAMMA RADIATION (MICROROENTGEN/HOUR)	RANGE	UNRECORDED DAYS (FAULT)
1	JAN 4	8.8	8.6 - 9.0	0
2	JAN 11	8.6	8.6 - 8.8	0
3	JAN 18	8.6	8.6 - 8.8	0
4	JAN 25	8.3	7.7 - 9.0	0
5	FEB 1	7.7	7.5 - 8.0	0
6	FEB 8	8.1	7.7 - 8.6	0
7	FEB 15	8.4	8.2 - 8.4	0
8	FEB 22	8.7	8.4 - 8.9	0
9	MAR 1	9.4	9.1 - 9.6	0
10	MAR 8	9.8	9.4 - 10.0	0
11	MAR 15	10.0	9.8 - 10.1	0
12	MAR 22	9.9	9.6 - 10.3	0
13	MAR 29	10.1	9.9 - 10.3	0
14	APR 5	10.3	10.1 - 10.5	0
15	APR 12	10.0	9.9 - 10.1	0
16	APR 19	10.1	9.9 - 10.1	0
17	APR 26	10.2	10.1 - 10.4	0
18	MAY 3	10.2	9.9 - 10.8	0
19	MAY 10	10.0	9.0 - 10.9	0
20	MAY 17	10.1	10.0 - 10.2	0
21	MAY 24	10.0	10.0 - 10.2	0
22	MAY 31	10.3	10.0 - 10.5	0
23	JUN 7	10.4	10.2 - 10.7	0
24	JUN 14	10.1	10.0 - 10.3	0
25	JUN 21	10.2	10.0 - 10.3	0
26	JUN 28	10.1	10.1 - 10.3	0
27	JUL 5	10.0	9.9 - 10.1	0
28	JUL 12	10.1	9.9 - 10.3	0
29	JUL 19	10.4	10.3 - 10.6	0
30	JUL 26	10.5	10.4 - 10.6	0
31	AUG 2	10.6	10.4 - 10.6	0
32	AUG 9	10.4	10.2 - 10.6	0
33	AUG 16	10.3	10.2 - 10.4	0
34	AUG 23	10.1	10.0 - 10.2	0
35	AUG 30	10.1	10.0 - 10.2	0
36	SEP 6	9.9	9.8 - 10.0	0
37	SEP 13	10.1	9.8 - 10.5	0
38	SEP 20	10.1	9.8 - 10.5	0
39	SEP 27	10.1	9.8 - 10.3	0
40	OCT 4	10.3	10.1 - 10.5	0
41	OCT 11	10.3	10.1 - 10.6	0
42	OCT 18	10.2	10.1 - 10.3	0
43	OCT 25	10.1	9.9 - 10.4	0
44	NOV 1	10.1	9.0 - 11.6	0
45	NOV 8	10.4	10.2 - 10.6	0
46	NOV 15	10.4	10.2 - 10.7	0
47	NOV 22	10.5	10.0 - 10.9	0
48	NOV 29	10.1	9.7 - 10.9	0
49	DEC 6	10.4	10.2 - 10.9	0
50	DEC 13	10.2	10.0 - 10.5	0
51	DEC 20	10.0	9.6 - 10.3	0

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 \*\*\* GAMMA RADIATION AT GROUND LEVEL INCLUDING COSMIC RADIATION \*\*\* 1982 \*\*\*  
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 \*\*\*\*\* WEEKLY AVERAGES AT SHYGEHANN \*\*\*\*\*  
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WEEK NO.	WEEK STARTING	AVERAGE GAMMA RADIATION (MICRORONTGEN/HOUR)	RANGE	UNRECORDED DAYS (FAULT)
1	JAN 4	8.1	7.8 - 8.6	0
2	JAN 11	7.8	7.6 - 7.8	0
3	JAN 18	7.8	7.8 - 7.9	0
4	JAN 25	8.0	7.9 - 8.3	0
5	FEB 1	7.7	7.5 - 8.1	0
6	FEB 8	7.9	7.9 - 8.1	0
7	FEB 15	7.8	7.7 - 7.9	0
8	FEB 22	8.1	7.9 - 8.3	0
9	MAR 1	8.1	7.9 - 8.3	0
10	MAR 8	8.2	7.9 - 8.5	0
11	MAR 15	8.3	8.1 - 8.7	0
12	MAR 22	8.1	7.9 - 8.3	0
13	MAR 29	8.2	8.1 - 8.3	0
14	APR 5	8.4	8.1 - 8.7	0
15	APR 12	8.2	8.1 - 8.3	0
16	APR 19	8.2	8.1 - 8.3	0
17	APR 26	8.2	8.1 - 8.3	0
18	MAY 3	8.3	8.1 - 8.7	0
19	MAY 10	8.1	7.9 - 8.3	0
20	MAY 17	8.2	8.1 - 8.3	0
21	MAY 24	8.1	7.9 - 8.3	0
22	MAY 31	8.2	8.1 - 8.5	0
23	JUN 7	8.2	7.9 - 8.5	0
24	JUN 14	8.2	8.1 - 8.3	0
25	JUN 21	8.2	8.1 - 8.3	0
26	JUN 28	8.2	7.9 - 8.5	0
27	JUL 5	8.0	7.9 - 8.1	0
28	JUL 12	7.9	7.7 - 8.1	0
29	JUL 19	8.0	7.9 - 8.2	0
30	JUL 26	8.2	8.2 - 8.4	0
31	AUG 2	8.2	8.2 - 8.4	0
32	AUG 9	8.2	8.0 - 8.4	0
33	AUG 16	8.2	8.0 - 8.4	0
34	AUG 23	8.1	8.0 - 8.4	0
35	AUG 30	8.1	8.0 - 8.2	0
36	SEP 6	8.0	8.0 - 8.2	0
37	SEP 13	8.1	8.0 - 8.4	0
38	SEP 20	8.2	8.0 - 8.4	0
39	SEP 27	8.2	8.0 - 8.2	0
40	OCT 4	8.5	8.2 - 8.8	0
41	OCT 11	8.5	8.2 - 8.6	0
42	OCT 18	8.2	8.0 - 8.4	0
43	OCT 25	8.0	7.8 - 8.2	0
44	NOV 1	8.0	7.8 - 8.2	0
45	NOV 8	8.2	8.0 - 8.4	0
46	NOV 15	8.3	8.0 - 8.4	0
47	NOV 22	8.2	8.0 - 8.4	0
48	NOV 29	8.1	7.8 - 9.3	0
49	DEC 6	8.1	7.2 - 8.4	0
50	DEC 13	8.4	8.2 - 8.6	0
51	DEC 20	8.2	7.8 - 8.4	0

\*\*\*\*\*  
 \*\*\* GAMMA RADIATION LEVEL AT GROUND LEVEL INCLUDING COSMIC RADIATION \*\*\* 1982 \*\*\*  
 \*\*\*\*\*  
 \*\*\*\*\* MONTHLY AVERAGES IN MICROROEENTGEN/HOUR \*\*\*\*\*  
 \*\*\*\*\*

STATION:	A2	B6	C3	D2	B6
PLACE:	KIRUNA	IDRE	ERKEN	LANDVETTER	SNYGEHANN
ALTITUDE (METERS):	505	450	15	155	5
LATITUDE (DEGREES):	68	62	60	58	55
ION-CHAMBER 2.5 METERS ABOVE:	GRAVEL	GRASS	ROCK	GRASS	GRASS

\*\*\*\*\*

1982

JAN	9.7	8.8	8.6	8.6	7.9
FEB	9.3	8.5	7.5	8.2	7.9
MAR	9.1	8.6	8.0	9.8	8.2
APR	8.8	9.2	10.9	10.1	8.2
MAY	10.4	10.5	12.0	10.1	8.2
JUN	12.7	10.7	12.3	10.3	8.2
JUL	12.6	10.7	12.2	10.2	8.0
AUG	12.8	11.0	12.3	10.3	8.1
SEP	12.7	10.8	12.2	10.1	8.1
OCT	12.5	10.7	12.2	10.2	8.3
NOV	11.6	10.7	12.2	10.3	8.2
DEC	10.8	9.8	11.9	10.2	8.2

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KIRUNA:	WHOLE-YEAR AVERAGE (365 DAYS) = 11.09
	WHOLE-YEAR AVERAGE FOR THE 149 SNOW-FREE DAYS = 12.64
IDRE:	WHOLE-YEAR AVERAGE (365 DAYS) = 10.01
	WHOLE-YEAR AVERAGE FOR THE 196 SNOW-FREE DAYS = 10.74
ERKEN:	WHOLE-YEAR AVERAGE (365 DAYS) = 11.05
	WHOLE-YEAR AVERAGE FOR THE 253 SNOW-FREE DAYS = 12.04
LANDVETTER:	WHOLE-YEAR AVERAGE (365 DAYS) = 9.88
	WHOLE-YEAR AVERAGE FOR THE 294 SNOW-FREE DAYS = 10.16
SNYGEHANN:	WHOLE-YEAR AVERAGE (365 DAYS) = 8.13
	WHOLE-YEAR AVERAGE FOR THE 324 SNOW-FREE DAYS = 8.16

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 \*\*\* GAMMA RADIATION LEVEL AT GROUND LEVEL INCLUDING COSMIC RADIATION \*\*\* \*\*  
 \*\*\*\*\*  
 \*\*\*\*\* MONTHLY AVERAGES IN MICRORAD/HR \*\*\*\*\*  
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STATION: KIRUNA

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YEAR:	1978	1979	1980	1981	1982
----	----	----	----	----	----
JAN	9.2	10.6	9.0	10.4	9.7
FEB	8.7	9.8	8.8	10.0	9.3
MAR	8.4	9.2	8.5	9.5	9.1
APR	7.9	8.8	8.4	8.9	8.8
MAY	9.6	11.0	11.2	10.9	10.4
JUN	12.1	12.2	12.7	12.9	12.7
JUL	12.1	12.3	12.9	12.9	12.6
AUG	12.3	12.3	12.9	12.9	12.8
SEP	12.3	12.5	12.8	13.0	12.7
OCT	12.0	11.1	12.5	12.4	12.5
NOV	11.7	10.2	11.7	11.0	11.6
DEC	11.0	9.4	10.8	10.2	10.8

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KIRUNA: 1978 WHOLE-YEAR AVERAGE (365 DAYS) = 10.61  
 WHOLE-YEAR AVERAGE FOR THE 159 SNOW-FREE DAYS = 12.09

KIRUNA: 1979 WHOLE-YEAR AVERAGE (365 DAYS) = 10.79  
 WHOLE-YEAR AVERAGE FOR THE 155 SNOW-FREE DAYS = 12.20

KIRUNA: 1980 WHOLE-YEAR AVERAGE (366 DAYS) = 11.02  
 WHOLE-YEAR AVERAGE FOR THE 164 SNOW-FREE DAYS = 12.65

KIRUNA: 1981 WHOLE-YEAR AVERAGE (365 DAYS) = 11.26  
 WHOLE-YEAR AVERAGE FOR THE 155 SNOW-FREE DAYS = 12.85

KIRUNA: 1982 WHOLE-YEAR AVERAGE (365 DAYS) = 11.09  
 WHOLE-YEAR AVERAGE FOR THE 149 SNOW-FREE DAYS = 12.64

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 \*\*\* GAMMA RADIATION LEVEL AT GROUND LEVEL INCLUDING COSMIC RADIATION \*\*\*  
 \*\*\*\*\*  
 \*\*\*\*\* MONTHLY AVERAGES IN MICROROENTGEN/HOUR \*\*\*\*\*  
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STATION: IDRE

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YEAR: =====	1978 =====	1979 =====	1980 =====	1981 =====	1982 =====
JAN	9.4	9.2	8.9	8.5	8.8
FEB	8.9	8.8	8.8	8.2	8.5
MAR	8.6	8.7	8.7	8.1	8.6
APR	8.9	8.7	9.1	8.7	9.2
MAY	10.4	10.3	10.7	10.3	10.5
JUN	10.8	10.7	10.8	10.7	10.7
JUL	10.7	10.7	10.8	10.6	10.7
AUG	10.7	10.6	10.9	10.6	11.0
SEP	10.7	10.8	10.7	10.8	10.8
OCT	10.6	10.8	10.2	10.9	10.7
NOV	10.2	10.1	8.9	9.8	10.7
DEC	9.5	9.6	8.8	9.1	9.8

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IDRE: 1978 WHOLE-YEAR AVERAGE (365 DAYS) = 9.97  
 WHOLE-YEAR AVERAGE FOR THE 191 SNOW-FREE DAYS = 10.66

IDRE: 1979 WHOLE-YEAR AVERAGE (365 DAYS) = 9.92  
 WHOLE-YEAR AVERAGE FOR THE 179 SNOW-FREE DAYS = 10.67

IDRE: 1980 WHOLE-YEAR AVERAGE (366 DAYS) = 9.78  
 WHOLE-YEAR AVERAGE FOR THE 177 SNOW-FREE DAYS = 10.75

IDRE: 1981 WHOLE-YEAR AVERAGE (365 DAYS) = 9.71  
 WHOLE-YEAR AVERAGE FOR THE 174 SNOW-FREE DAYS = 10.63

IDRE: 1982 WHOLE-YEAR AVERAGE (365 DAYS) = 10.01  
 WHOLE-YEAR AVERAGE FOR THE 196 SNOW-FREE DAYS = 10.74

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 \*\*\*\* GAMMA RADIATION LEVEL AT GROUND LEVEL INCLUDING COSMIC RADIATION \*\*\*\* \*\*\*  
 \*\*\*\*\*  
 \*\*\*\*\* MONTHLY AVERAGES IN MICROROENTGEN/HOUR \*\*\*\*\*  
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STATION: ERKEN

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YEAR: =====	1978 =====	1979 =====	1980 =====	1981 =====	1982 =====
JAN	11.2	9.8	10.3	9.8	8.6
FEB	10.1	8.3	9.5	9.4	7.5
MAR	9.7	8.8	9.3	9.1	8.0
APR	11.4	10.7	11.2	11.3	10.9
MAY	11.9	11.8	12.1	12.0	12.0
JUN	12.3	12.0	12.3	12.2	12.3
JUL	12.0	11.9	12.3	12.3	12.2
AUG	12.3	11.9	12.2	12.2	12.3
SEP	12.1	11.8	12.0	12.3	12.2
OCT	12.0	11.9	12.0	12.2	12.2
NOV	11.9	12.0	11.6	12.1	12.2
DEC	11.1	11.9	10.3	10.5	11.9

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ERKEN: 1978 WHOLE-YEAR AVERAGE (365 DAYS) = 11.50  
 WHOLE-YEAR AVERAGE FOR THE 238 SNOW-FREE DAYS = 12.02

ERKEN: 1979 WHOLE-YEAR AVERAGE (365 DAYS) = 11.09  
 WHOLE-YEAR AVERAGE FOR THE 258 SNOW-FREE DAYS = 11.81

ERKEN: 1980 WHOLE-YEAR AVERAGE (366 DAYS) = 11.26  
 WHOLE-YEAR AVERAGE FOR THE 229 SNOW-FREE DAYS = 11.98

ERKEN: 1981 WHOLE-YEAR AVERAGE (365 DAYS) = 11.30  
 WHOLE-YEAR AVERAGE FOR THE 253 SNOW-FREE DAYS = 11.94

ERKEN: 1982 WHOLE-YEAR AVERAGE (365 DAYS) = 11.05  
 WHOLE-YEAR AVERAGE FOR THE 253 SNOW-FREE DAYS = 12.04

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 \*\*\*\* GAMMA RADIATION LEVEL AT GROUND LEVEL INCLUDING COSMIC RADIATION \*\*\*\* \*\*\*  
 \*\*\*\*\*  
 \*\*\*\*\* MONTHLY AVERAGES IN MICROROENTGEN/HOUR \*\*\*\*\*  
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STATION:           LANDVETTER

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YEAR:	1978	1979	1980	1981	1982
*****	****	****	****	****	****
JAN	10.1	8.7	8.9	9.3	8.6
FEB	9.2	7.9	8.0	9.7	8.2
MAR	10.1	8.2	8.1	9.9	9.8
APR	10.3	10.1	10.0	10.2	10.1
MAY	10.4	10.2	10.3	10.4	10.1
JUN	10.5	10.4	10.4	10.3	10.3
JUL	10.4	10.5	10.2	10.2	10.2
AUG	10.4	10.3	10.2	10.4	10.3
SEP	10.4	10.2	10.1	10.6	10.1
OCT	10.3	10.3	10.2	10.4	10.2
NOV	10.3	10.5	10.0	10.4	10.3
DEC	9.8	10.0	10.0	9.9	10.2

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LANDVETTER: 1978 WHOLE-YEAR AVERAGE (365 DAYS) = 10.19  
 WHOLE-YEAR AVERAGE FOR THE 285 SNOW-FREE DAYS = 10.36

LANDVETTER: 1979 WHOLE-YEAR AVERAGE (365 DAYS) = 9.78  
 WHOLE-YEAR AVERAGE FOR THE 254 SNOW-FREE DAYS = 10.32

LANDVETTER: 1980 WHOLE-YEAR AVERAGE (366 DAYS) = 9.70  
 WHOLE-YEAR AVERAGE FOR THE 255 SNOW-FREE DAYS = 10.20

LANDVETTER: 1981 WHOLE-YEAR AVERAGE (365 DAYS) = 10.14  
 WHOLE-YEAR AVERAGE FOR THE 275 SNOW-FREE DAYS = 10.34

LANDVETTER: 1982 WHOLE-YEAR AVERAGE (365 DAYS) = 9.88  
 WHOLE-YEAR AVERAGE FOR THE 294 SNOW-FREE DAYS = 10.16

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 \*\*\* GAMMA RADIATION LEVEL AT GROUND LEVEL INCLUDING COSMIC RADIATION \*\*\*  
 \*\*\*\*\*  
 \*\*\*\*\* MONTHLY AVERAGES IN MICROROENTGEN/HOUR \*\*\*\*\*  
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STATION: SNYGEHAMN

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YEAR:	1978	1979	1980	1981	1982
=====	=====	=====	=====	=====	=====
JAN	8.5	7.9	8.3	8.2	7.9
FEB	8.4	7.7	7.4	8.2	7.9
MAR	8.5	8.1	7.9	8.3	8.2
APR	8.4	8.3	8.3	8.3	8.2
MAY	8.5	8.3	8.4	8.4	8.2
JUN	8.6	8.4	8.4	8.3	8.2
JUL	8.4	8.4	8.3	8.3	8.0
AUG	8.5	8.3	8.3	8.2	8.1
SEP	8.4	8.3	8.2	8.3	8.1
OCT	8.3	8.4	8.3	8.3	8.3
NOV	8.4	8.5	8.2	8.2	8.2
DEC	8.5	8.5	8.3	8.3	8.2

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SNYGEHAMN: 1978 WHOLE-YEAR AVERAGE (365 DAYS) = 8.45  
 WHOLE-YEAR AVERAGE FOR THE 325 SNOW-FREE DAYS = 8.45

SNYGEHAMN: 1979 WHOLE-YEAR AVERAGE (365 DAYS) = 8.27  
 WHOLE-YEAR AVERAGE FOR THE 292 SNOW-FREE DAYS = 8.37

SNYGEHAMN: 1980 WHOLE-YEAR AVERAGE (366 DAYS) = 8.18  
 WHOLE-YEAR AVERAGE FOR THE 270 SNOW-FREE DAYS = 8.29

SNYGEHAMN: 1981 WHOLE-YEAR AVERAGE (365 DAYS) = 8.27  
 WHOLE-YEAR AVERAGE FOR THE 282 SNOW-FREE DAYS = 8.28

SNYGEHAMN: 1982 WHOLE-YEAR AVERAGE (365 DAYS) = 8.13  
 WHOLE-YEAR AVERAGE FOR THE 324 SNOW-FREE DAYS = 8.16

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HITTILLS UTGIVNA ARBETSDOKUMENT 1983

Rapport- nummer	Titel (undertitel)	Författare
01	Mätstationer för gammastrålning - mätresultat 1982	Per Einar Kjelle