

Current Data on the Chemical Composition of Air and Precipitation VI

(For further information see Egnér, H., Eriksson, E., *Tellus* 7, 134—139, 1955.)

Code	D 512												L 512							
	mm	mg/m ³							pH	HCO ₃ ⁻ μval l ⁻¹	Σ · 10 ⁶ Ω · cm	μg/m ³ (= kg/km ³)								
		S	Cl	NO ₃ -N	NH ₃ -N	Na	K	Mg				Ca	S	Cl	NH ₃ -N	Na	K	Mg	Ca	
Ri	5	0	21	0	1	5	3	1	1	*	*	*	0.4	7.5	1.3	1.8	0.9	0.3	7.3	
Ki	16	11	11	0	0	9	3	1	7	5.9	22	8	0.0	0.0	1.1	5.1	0.6	0.0	0.0	
Ar	31	26	134	4	6	33	22	4	59	6.3	34	23	—	—	—	—	—	—	—	
Öj	46	48	38	7	10	28	13	5	38	5.7	6	14	2.9	4.5	2.7	3.1	3.4	0.3	0.7	
Rö	8	8	4	1	2	4	2	4	6	5.2	*	*	*	*	*	*	*	*	*	
Of	47	40	445	8	34	204	82	7	86	7.0	144	46	9.7	23.	3.4	11.	7.2	0.4	0.9	
Br	19	18	21	2	5	13	4	2	6	5.7	8	13	0.0	0.0	0.6	1.7	0.8	0.0	0.0	
ÄF	102	34	61	3	3	37	7	5	25	5.8	7	5	—	—	—	—	—	—	—	
ÄH	34	24	85	1	1	32	3	4	4	5.4	0	12	—	—	—	—	—	—	—	
Sv	29	22	86	4	1	23	6	5	27	6.6	49	14	—	—	—	—	—	—	—	
Rä	22	25	92	4	1	14	5	3	88	7.0	69	29	1.1	0.0	1.2	0.9	1.1	0.0	0.0	
Äm	46	30	29	6	5	16	8	3	19	5.6	0	9	4.4	3.4	1.2	1.1	0.6	0.0	0.0	
Sa	62	61	51	11	8	28	7	11	37	5.0	0	14	12.	0.5	1.1	1.8	0.9	0.3	0.6	
Ul	63	48	55	11	12	26	6	12	16	4.6	0	27	8.4	0.8	1.2	0.4	0.6	0.0	0.0	
Er	49	47	48	6	4	27	14	7	18	4.8	0	16	9.2	0.0	1.6	2.0	2.4	2.5	0.0	
St	62	49	47	12	8	34	7	7	35	5.1	0	15	7.4	1.2	1.5	0.4	0.3	0.4	3.7	
Fo	45	28	28	7	3	28	5	4	22	5.0	0	13	*	*	*	*	*	*	*	
Kv1	46	520	42	13	76	38	36	24	538	4.1	0	150	74.	36.	7.8	2.3	2.7	2.1	15.	
Kv7	56	57	49	10	19	27	6	8	43	4.6	0	24	*	*	*	*	*	*	*	
VN	61	28	71	7	2	40	7	8	33	5.5	0	12	—	—	—	—	—	—	—	
La	28	34	189	7	12	93	8	13	29	5.7	7	36	5.1	5.0	2.9	3.4	1.4	0.0	1.1	
Bo	45	53	402	13	6	207	17	31	47	5.7	9	46	4.5	19.	1.5	8.9	1.1	2.1	5.7	
Vi	32	114	2180	14	10	1080	52	168	83	4.8	0	263	25.	268.	2.8	137.	7.6	24.	41.	
Fa	81	47	49	14	8	33	14	15	55	5.6	8	12	3.6	3.0	3.1	4.5	1.5	0.7	31.	
Fl	105	50	246	16	20	127	29	18	50	5.5	0	16	2.2	1.9	4.8	1.0	0.2	0.3	3.4	
Am	103	49	205	14	9	106	13	22	40	5.2	0	14	—	—	—	—	—	—	—	
Si	184	91	595	38	46	340	37	46	60	5.1	0	22	—	—	—	—	—	—	—	
Pl	85	69	596	24	60	300	27	40	53	4.9	0	45	5.6	2.3	1.6	1.5	0.0	0.1	2.3	
Sö	86	48	188	18	13	110	14	18	34	4.7	0	23	—	—	—	—	—	—	—	
Sm	50	36	51	16	18	36	9	15	19	4.8	0	20	4.7	4.0	2.3	0.9	0.3	0.2	4.9	
Sy	73	51	73	16	19	38	4	6	26	4.9	0	17	9.9	16.	3.9	2.6	1.3	12.	14.	
BH	79	73	176	28	31	98	12	16	37	4.5	0	31	*	*	*	*	*	*	*	
Ha	74	94	301	25	45	161	20	34	65	4.6	0	39	—	—	—	—	—	—	—	
Al	*	*	*	*	*	*	*	*	*	*	*	*	19.	48.	3.4	24.	1.7	2.8	7.8	
Hi	66	63	165	19	15	98	8	20	22	4.5	0	31	—	—	—	—	—	—	—	
Äs	33	38	50	6	7	27	5	6	19	4.8	0	21	15.	0.0	2.0	4.8	1.1	1.8	6.4	
Vä	6	15	26	1	1	11	2	3	12	6.6	—	—	0.0	2.1	2.9	0.6	0.1	0.1	5.8	
Li	72	182	3620	10	10	1850	114	236	101	5.2	0	191	9.2	134.	1.0	67.	5.2	8.6	7.5	
Ka	30	34	23	6	6	14	6	6	16	5.5	0	12	*	*	*	*	*	*	*	
Ku	3	*	55	1	1	18	*	*	*	*	*	*	*	*	*	*	*	*	*	
Jy	48	13	52	6	5	29	17	7	19	5.9	10	11	5.7	0.8	1.0	1.2	1.2	3.6	1.3	
Tv	27	31	272	11	4	149	13	21	24	4.9	0	54	1.6	4.0	1.1	3.3	0.9	11.	3.1	
Öd	81	97	540	20	40	268	30	35	54	4.9	0	36	8.2	5.9	3.2	2.2	0.5	2.4	3.4	
As	98	173	1440	23	61	566	37	154	69	4.6	0	74	15.	5.5	3.6	2.5	0.2	1.4	5.8	
Ty	67	86	589	25	76	273	31	64	95	6.2	35	55	18.	14.	4.7	8.4	0.7	5.6	9.2	
Ab	123	171	1800	30	30	776	64	118	121	5.1	0	70	37.	9.5	3.4	6.4	2.0	0.8	29.	
Ed	168	97	142	9	35	62	9	18	0	5.3	0	10	11.	8.6	2.0	0.8	0.3	0.6	8.9	
Le	59	129	682	17	44	242	27	89	82	4.2	0	86	40.	38.	7.4	10.	1.4	2.9	18.	
Ro	51	72	221	11	11	106	17	17	59	4.5	0	52	40.	33.	5.9	2.0	1.5	10.	20.	
NA	165	190	1460	26	95	682	72	135	141	5.7	16	45	5.9	6.8	4.7	3.0	0.3	0.7	9.5	
Au	130	203	160	23	63	96	23	36	134	5.1	0	25	29.	2.7	8.0	1.3	2.4	5.4	5.5	
Gü	109	47	114	10	4	49	10	14	27	5.1	0	11	—	—	—	—	—	—	—	
Fe	104	80	121	14	22	72	12	12	14	5.0	0	15	*	*	*	*	*	*	*	

— No sampling

* Sample discarded

Code	D 601											L 601							
	mm	mg/m ³							pH	$\frac{\mu\text{val}}{\text{HCO}_3^-}$	$\frac{1}{\alpha \cdot 10^6}$	$\frac{Q}{\text{cm}}$	$\mu\text{g}/\text{m}^3 (= \text{kg}/\text{km}^3)$						
		S	Cl	NO ₃ -N	NH ₃ -N	Na	K	Mg					Ca	S	Cl	NH ₃ -N	Na	K	Mg
Ri	95	37	184	4	11	48	29	12	66	6.1	14	11	6.6	8.8	1.7	1.6	0.8	0.0	14.
Ki	35	14	9	1	0	5	4	2	10	5.5	0	5	2.5	7.6	1.5	1.3	1.2	0.0	4.7
Ar	10	14	35	3	0	25	7	4	12	6.4	—	36	3.9	11.	2.3	4.7	1.1	0.2	9.9
Öj	5	14	18	2	2	29	4	6	27	*	—	81	*	*	*	*	*	*	*
Rö	9	11	8	4	5	6	2	2	4	5.2	0	26	*	*	*	*	*	*	*
Of	12	22	218	6	36	157	70	6	35	7.5	—	140	3.8	35.	2.1	1.2	2.7	1.7	9.4
Br	8	12	30	2	4	18	6	10	20	6.3	—	34	0.5	0.0	0.3	1.4	0.5	1.8	1.3
ÄF	42	40	154	2	1	86	6	13	18	5.7	13	19	—	—	—	—	—	—	—
ÄH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sv	28	24	20	4	1	36	10	19	77	7.0	121	26	—	—	—	—	—	—	—
Rä	13	27	12	4	1	10	6	4	128	7.4	284	63	4.5	8.4	7.3	2.6	6.0	0.0	24.
Äm	29	29	14	4	7	14	7	3	21	4.8	0	19	4.5	3.3	1.8	1.5	0.9	0.3	8.9
Sa	42	42	21	7	9	12	5	4	31	4.7	0	24	14.	1.7	1.2	0.2	0.1	0.0	3.6
Ul	30	40	15	7	11	10	6	19	20	4.4	0	29	8.9	0.8	1.0	0.5	0.1	3.4	1.3
Er	24	34	12	5	7	11	5	9	29	4.5	0	31	9.4	2.5	1.9	0.5	0.8	0.6	5.6
St	32	36	14	6	9	18	5	5	35	4.9	0	20	8.7	0.0	1.7	0.5	0.4	0.2	2.3
Fo	34	34	14	7	7	18	4	12	41	4.7	0	21	1.3	4.6	2.9	2.4	1.9	1.9	15.
Kv1	43	292	31	11	40	25	23	14	223	3.9	0	124	58.	0.0	6.0	1.9	1.6	3.2	22.
Kv7	37	55	28	8	15	18	5	4	43	4.4	0	34	13.	6.0	3.5	0.5	1.1	4.1	8.4
VN	46	42	40	9	11	33	6	5	52	5.0	0	19	—	—	—	—	—	—	—
La	*	*	*	*	*	*	*	*	*	*	*	*	14.	2.7	2.9	0.8	1.3	1.4	13.
Bo	35	56	546	14	12	314	21	41	71	5.9	12	78	4.1	5.4	1.2	3.0	1.4	5.6	13.
Vi	32	82	1215	16	10	635	36	86	73	4.7	0	168	29.	274.	3.6	115.	7.4	27.	21.
Fa	30	32	22	11	7	19	7	8	60	6.1	17	23	7.2	8.4	2.9	1.6	2.2	5.5	13.
Fl	56	42	107	12	11	56	9	10	49	4.8	0	23	2.6	0.0	0.7	0.2	0.3	2.4	0.0
Am	85	88	328	17	14	176	12	27	76	4.7	0	31	—	—	—	—	—	—	—
Si	101	124	610	34	32	306	21	41	86	4.6	0	42	—	—	—	—	—	—	—
Pl	43	81	435	19	40	229	17	32	71	5.8	5	59	6.3	3.7	3.4	2.3	0.3	0.9	0.0
Sö	40	43	93	13	13	52	7	9	43	4.6	0	32	—	—	—	—	—	—	—
Sm	23	19	59	8	7	55	6	9	58	6.7	64	32	7.8	8.4	1.8	1.1	0.3	0.0	0.9
Sy	38	42	48	15	20	29	7	6	49	4.7	0	27	4.7	19.	5.2	2.1	1.3	0.0	14.
BH	51	59	292	24	25	159	15	21	61	4.6	0	46	3.8	0.0	0.8	1.2	0.2	0.2	2.7
Ha	48	78	439	19	30	209	22	34	76	4.7	0	59	—	—	—	—	—	—	—
Al	53	81	553	23	32	230	26	83	89	4.5	0	70	17.	10.	2.4	2.5	0.5	0.8	3.9
Hi	18	27	259	5	7	135	10	89	47	5.0	0	74	—	—	—	—	—	—	—
Äs	41	39	27	10	12	20	5	25	47	4.7	0	23	24.	7.7	2.9	0.9	0.5	0.0	9.1
VÄ	12	14	4	3	25	10	1	22	43	6.1	—	19	12.	9.3	5.6	0.9	0.9	0.0	14.
Li	79	214	4160	31	31	2280	92	288	200	4.5	0	221	13.	43.	1.1	18.	1.3	2.0	4.0
Ka	9	16	11	3	3	10	3	4	49	5.7	—	25	*	*	*	*	*	*	*
Ku	6	12	6	3	7	11	6	3	52	*	—	42	0.0	0.0	3.2	2.3	1.0	0.0	4.1
Jy	17	19	10	4	2	11	4	2	54	5.1	0	16	3.8	0.0	1.0	0.3	0.8	0.0	1.0
Tv	40	34	38	13	16	23	5	4	56	4.6	0	24	*	*	*	*	*	*	*
Öd	40	42	465	13	5	245	19	31	77	5.1	0	63	12.	16.	4.1	10.	1.3	1.4	7.1
As	81	151	2050	20	35	1050	58	131	165	4.6	0	117	14.	1.7	1.9	1.3	0.8	0.0	2.6
Ty	44	60	765	23	57	405	28	55	112	6.2	22	93	0.0	5.4	4.6	3.0	2.8	0.7	9.2
Ab	111	180	1260	29	25	665	43	106	72	4.5	0	64	13.	39.	3.7	7.6	3.4	8.1	19.
Ed	44	48	187	9	15	106	8	17	26	5.0	0	30	*	*	*	*	*	*	*
Le	75	118	470	20	39	181	23	42	53	4.1	0	67	*	*	*	*	*	*	*
Ro	94	96	328	17	21	129	29	33	122	4.3	0	40	—	—	—	—	—	—	—
NA	99	107	737	10	41	368	23	54	70	5.6	9	36	12.	7.9	4.3	1.8	1.1	0.4	7.6
Au	49	81	67	14	40	28	18	22	95	5.3	0	31	14.	11.	5.1	1.5	2.0	7.8	20.
Gü	72	60	46	9	15	32	12	15	79	5.5	0	11	21.	11.	3.4	0.8	1.5	0.0	12.
Fe	*	*	*	*	*	*	*	*	*	*	*	*	1.5	0.7	0.6	1.3	0.6	0.0	2.3

— No sampling

* Sample discarded

Coordinates of Sampling Stations

Station	Code	Altitude	Latitude N	Longitude W or E of Greenwich	Station	Code	Altitude	Latitude N	Longitude W or E of Greenwich
Riksgränsen .	Ri	500	68.4°	18.0° E	Plönninge . . .	Pl	—	56.7°	12.7° E
Kiruna	Ki	500	67.8	20.2 E	Söraby	Sö	—	57.0	14.9 E
Arjeplog	Ar	400	66.0	18.0 E	Smedby	Sm	—	56.7	16.2 E
Öjebyn	Öj	—	65.4	21.5 E	Sylfaste	Sy	—	57.6	18.4 E
Röbäcksdalen	Rö	—	63.8	20.2 E	Bräkne-Hoby	BH	—	56.2	15.1 E
Offer	Of	—	63.2	17.8 E	Hammenhög .	Ha	—	55.5	14.1 E
Bredkälén . . .	Br	400	63.9	15.3 E	Alnarp	Al	—	55.7	13.1 E
Åre	ÅF	400	63.5	13.2 E	Hilleshög . . .	Hi	—	55.9	12.9 E
Åre, Hummeln	ÅH	900	63.5	13.2 E	Ås	Ås	—	59.7	10.8 E
Sveg	Sv	400	62.1	14.3 E	Vågåmo	Vå	400	61.8	9.1 E
Rättvik	Rå	200	60.9	15.1 E	Lista	Li	—	58.1	6.6 E
Åmot	Åm	200	61.0	16.5 E	Kauhava	Ka	—	63.1	23.0 E
Sala	Sa	—	60.0	16.6 E	Kuopio	Ku	—	62.9	27.7 E
Ultuna	Ul	—	59.8	17.7 E	Jyväskylä . . .	Jy	—	62.2	25.7 E
Erken	Er	—	59.9	18.7 E	Tvärminne . .	Tv	—	59.9	23.2 E
Strängnäs . . .	St	—	59.3	17.1 E	Ödum	Öd	—	56.2	10.1 E
Forshult	Fo	200	60.0	13.6 E	Askov	As	—	55.5	9.1 E
Kvarntorp . . .	Kv 1	—	59.1	15.3 E	Tystofte	Ty	—	55.2	11.3 E
Kvarntorp . . .	Kv 7	—	59.2	15.5 E	Aberdeen	Ab	—	57.1	2.1 W
Västra Ny . . .	VN	—	58.6	15.0 E	Edinburgh . . .	Ed	—	55.6	3.2 W
Lanna	La	—	58.4	13.1 E	Leeds	Le	—	53.8	1.3 W
Bornö	Bo	—	58.4	11.6 E	Rothamsted .	Ro	—	51.8	0.3 W
Vinga	Vi	—	57.6	11.6 E	Newton Abbot	NA	—	50.3	3.6 W
Falsterbobruk	Fa	—	57.7	16.2 E	Augustenberg	Au	—	49.0	8.5 E
Flahult	Fl	200	57.7	14.2 E	Güntersthal . .	Gü	300	47.9	7.7 E
Ambjörnarp . .	Am	—	57.4	13.3 E	Feldberg	Fe	1500	47.9	8.0 E
Simlångsdalen	Si	—	56.7	13.0 E					

Uppsala in March 1956.

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