

I. EARTH CURRENTS, PULSATIONS

Electric activity indices

The 3-hour electric activity indices T for the E_x and E_y component, have a linear scale with a step of 1.8 mV/Km. The range of values is 0 to 9.

The index K_1 refers to complete days and expresses the activities in the period range 0–2 min (pulsations).

Limits between K1-values								
0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9
2	4	7	13	18	23	29	41	54

These values are given in units of 10^{-5} V/km.

Values in brackets mean extrapolated data, where the lacking intervals were substituted by the average of recorded intervals.

Times are given in CET (i.e. UT + 1 h), nearly corresponding to LT (-7 min)

A detailed description of the processing and compilation is found in the Report of the Observatory for 1966 in German and \acute{A} dám A, Verő J, Cz. Miletits J, Holló L, Wallner Á: The geophysical observatory near Nagycenk. I. Electromagnetic measurements and processing of data (*Acta Geod. Geoph. Mont. Hung.*, 16, 1981, 333).

Electric activity indices
1992

Date	T	Sum	K1	Date	T	Sum	K1
920101	10111423	13	3	920211	21121110	9	6
920102	64392330	30	3	920212	23222201	14	6
920103	13153123	19	3	920213	21232001	11	4
920104	22232122	16	3	920214	01121102	8	5
920105	42121220	14	4	920215	00102100	4	4
920106	11213102	11	5	920216	01111001	5	3
920107	01021121	8	3	920217	10256222	20	3
920108	03122221	13	4	920218	23121111	12	4
920109	00101003	5	5	920219	22131211	13	5
920110	23022243	18	4	920220	45335656	37	5
920111	12133573	25	5	920221	45765222	33	5
920112	35353352	29	4	920222	44343104	23	3
920113	25233252	24	5	920223	22111116	15	4
920114	31324444	25	6	920224	12353458	31	5
920115	22337423	26	5	920225	76667324	41	5
920116	12142139	23	7	920226	32345298	36	6
920117	22121122	13	4	920227	77685674	50	3
920118	11111000	5	4	920228	21123101	11	4
920119	01111000	4	3	920229	11188855	37	6
920120	11123321	14	4	920301	32422112	17	4
920121	10011113	8	3	920302	12242130	15	3
920122	31012100	8	4	920303	11112020	8	4
920123	01000000	1	3	920304	11122332	15	4
920124	10010001	3	4	920305	11221131	12	6
920125	11011001	5	4	920306	21120101	8	5
920126	00001642	13	3	920307	11211112	10	2
920127	35332225	25	3	920308	21114211	13	4
920128	43222121	17	4	920309	32354471	29	4
920129	11113123	13	4	920310	23234324	23	7
920130	22243432	22	3	920311	34336241	26	7
920131	22122121	13	4	920312	12224201	14	7
920201	14553335	29	5	920313	01221100	7	6
920202	76337299	46	7	920314	00110011	4	4
920203	99968799	66	7	920315	00322211	11	6
920204	26443298	38	4	920316	01323214	16	3
920205	40111100	8	4	920317	11165676	33	6
920206	00112101	6	4	920318	73644211	28	4
920207	21123211	13	4	920319	00100020	3	4
920208	11622986	35	4	920320	00101100	3	3
920209	68786894	56	4	920321	10354323	21	5
920210	45357731	35	6	920322	31233112	16	7

ELECTRIC ACTIVITY INDICES

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Date	T	Sum	K1	Date	T	Sum	K1
920323	33332142	21	5	920505	01201101	6	5
920324	22222327	22	3	920506	10011023	8	6
920325	34212112	16	4	920507	14317236	27	5
920326	01112126	14	3	920508	21423643	25	5
920327	11211215	14	4	920509	31013699	32	6
920328	21211102	10	5	920510	99999999	72	9
920329	11112343	16	4	920511	98643534	42	6
920330	21113021	11	3	920512	23101220	11	4
920331	31011153	15	5	920513	12124411	16	5
920401	21233113	16	4	920514	11001000	3	6
920402	11110031	8	5	920515	01011121	7	5
920403	01337572	28	4	920516	01100001	3	6
920404	12222121	13	5	920517	01010011	4	4
920405	12233114	17	7	920518	11000105	8	5
920406	33422111	17	4	920519	43211232	18	6
920407	13553221	22	6	920520	11111111	8	5
920408	33322261	22	7	920521	11111022	9	7
920409	11111112	9	6	920522	25458775	43	5
920410	11101110	6	5	920523	12223393	25	4
920411	10000000	1	6	920524	22211010	9	7
920412	00110110	4	4	920525	12212231	14	7
920413	01111001	5	2	920526	10114112	11	6
920414	11111004	9	3	920527	21232221	15	7
920415	23121211	13	4	920528	12323214	18	7
920416	21111100	7	2	920529	22224534	24	7
920417	00000202	4	3	920530	23523222	21	7
920418	22254515	26	3	920531	22121121	12	7
920419	31211221	13	5	920601	12121100	8	5
920420	32112211	13	5	920602	10100112	6	3
920421	21011100	6	6	920603	21111210	9	3
920422	11112113	11	4	920604	00000011	2	3
920423	20011212	9	7	920605	20013321	12	3
920424	12222211	13	6	920606	00111111	6	3
920425	11222103	12	6	920607	01111132	10	4
920426	11111021	8	7	920608	97423535	38	4
920427	10111111	7	6	920609	61212112	16	4
920428	11113002	9	4	920610	15764442	33	5
920429	12111011	8	5	920611	34112268	27	5
920430	22123011	12	5	920612	94357563	42	5
920501	11221263	18	5	920613	25101242	17	5
920502	22412121	15	4	920614	20111112	9	4
920503	12311211	12	5	920615	21111221	11	6
920504	23112111	12	4	920616	01111100	5	5

ELECTRIC ACTIVITY INDICES

Date	T	Sum	K1	Date	T	Sum	K1
920617	01110111	6	4	920730	21112223	14	5
920618	11118477	30	6	920731	22122312	15	7
920619	42223342	22	4	920801	32222101	13	5
920620	12122200	10	7	920802	11110111	7	4
920621	52101211	13	6	920803	00111111	6	5
920622	33124201	16	6	920804	22111655	23	5
920623	22121233	16	6	920805	55433133	27	4
920624	25734533	32	6	920806	16422212	20	4
920625	23222322	18	6	920807	34224221	20	6
920626	11122222	13	6	920808	12221222	14	5
920627	12122224	16	6	920809	41222221	16	7
920628	23443312	22	7	920810	11112111	9	5
920629	25212965	32	5	920811	11212223	14	4
920630	68332111	25	4	920812	11111000	5	3
920701	42222446	26	6	920813	00002722	13	4
920702	34432101	18	6	920814	31212320	14	4
920703	12121110	9	5	920815	11112132	12	7
920704	01100011	4	5	920816	22222212	15	6
920705	23313112	16	3	920817	11001011	5	6
920706	11111110	7	4	920818	21112212	12	5
920707	00011211	6	4	920819	11112134	14	5
920708	00120221	8	3	920820	38555321	32	4
920709	11101101	6	2	920821	12124471	22	6
920710	11101020	6	3	920822	12654579	39	7
920711	10100001	3	4	920823	99877932	54	5
920712	32223232	19	3	920824	11211113	11	6
920713	22232335	22	6	920825	11112111	9	6
920714	43322121	18	7	920826	32233111	16	4
920715	21111000	6	5	920827	12123133	16	5
920716	01122114	12	4	920828	11111011	7	6
920717	30001100	5	5	920829	54221113	19	6
920718	01111100	5	5	920830	11212111	10	5
920719	10000012	4	3	920831	01011110	5	4
920720	11011232	11	3	920901	10110000	3	4
920721	01112331	12	4	920902	01157655	30	5
920722	12245354	26	6	920903	33676764	42	6
920723	43332141	21	7	920904	53443226	29	5
920724	11111211	9	4	920905	92443226	32	6
920725	11022652	19	5	920906	21222143	17	6
920726	11111111	8	4	920907	22223351	20	4
920727	00111111	6	4	920908	32233241	20	2
920728	55612213	25	4	920909	98999894	65	5
920729	11111111	8	7	920910	83454999	51	6

ELECTRIC ACTIVITY INDICES

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Date	T	Sum	K1	Date	T	Sum	K1
920911	72232453	28	3	921024	10011100	4	5
920912	20100111	6	4	921025	20113112	11	5
920913	00111122	8	4	921026	43332113	20	6
920914	01121243	14	6	921027	35234791	34	5
920915	11122211	11	4	921028	32122112	14	3
920916	11111153	14	4	921029	13222374	24	4
920917	14875479	45	7	921030	11224313	17	5
920918	53565333	33	7	921031	11112111	9	3
920919	42245241	24	7	921101	10111119	15	5
920920	11244213	18	6	921102	63222112	19	6
920921	11221013	11	5	921103	42221013	15	3
920922	35223124	22	7	921104	12125523	21	3
920923	22231111	13	3	921105	71231331	21	5
920924	00011012	5	4	921106	11312411	14	2
920925	21124144	19	7	921107	31122213	15	5
920926	22211210	11	5	921108	22112223	15	6
920927	00011110	4	4	921109	23476537	37	3
920928	00113246	17	6	921110	42314122	19	5
920929	46676683	46	7	921111	24655332	30	6
920930	33433875	36		921112	32335324	25	7
921001	43333461	27	3	921113	22334332	22	7
921002	22121211	12	2	921114	21233122	16	5
921003	00111011	5	2	921115	21223525	22	6
921004	12221000	8	3	921116	31221114	15	5
921005	01111111	7	4	921117	11211121	10	3
921006	22011110	8	4	921118	21112131	12	6
921007	01121121	9	4	921119	01132100	8	5
921008	21110143	13	4	921120	00010011	3	3
921009	33192464	32	3	921121	21100000	4	3
921010	21253112	17	4	921122	21434124	21	3
921011	11136353	23	5	921123	34362934	34	4
921012	22237722	27	4	921124	21122141	14	3
921013	21435522	24	7	921125	11132012	11	1
921014	34645126	31	7	921126	11121101	8	3
921015	85764433	40	7	921127	11213101	10	3
921016	53243232	24	7	921128	00011001	3	3
921017	32234433	24	7	921129	11122110	9	3
921018	11113314	15	6	921130	00022272	15	3
921019	42155531	26	6	921201	41123423	20	2
921020	43123101	15	6	921202	31111121	11	5
921021	11211112	10	6	921203	11111243	14	3
921022	22115211	15	6	921204	12111122	11	3
921023	11211001	7	7	921205	41100100	7	3

ELECTRIC ACTIVITY INDICES

Date	T	Sum	K1
921206	10000210	4	4
921207	11223114	15	3
921208	54346245	33	6
921209	22336533	27	5
921210	22142954	29	5
921211	21122221	13	7
921212	11112121	10	7
921213	12312111	12	6
921214	31111223	14	4
921215	24323313	21	6
921216	01111101	6	6
921217	00534473	26	3
921218	11132244	18	3
921219	11112154	16	5
921220	21222141	15	4
921221	01132281	18	4
921222	21123120	12	7
921223	01122220	10	5
921224	01112140	10	2
921225	00101122	7	3
921226	10010101	4	3
921227	00000036	9	2
921228	41122469	29	3
921229	64233692	35	4
921230	21122120	11	4
921231	31123210	13	4

Electric activity indices
1993

Date	T	Sum	K1	Date	T	Sum	K1
930101	14242112	17	7	930211	43223442	24	7
930102	23245455	30	6	930212	61212311	17	7
930103	44355544	34	7	930213	41112112	13	6
930104	84337445	38	7	930214	11111120	8	5
930105	53344232	26	7	930215	00021010	4	4
930106	12234332	20	7	930216	01112000	5	4
930107	12244527	27	7	930217	09259730	35	4
930108	13142344	22	7	930218	11123134	16	5
930109	42212322	18	5	930219	21111122	11	6
930110	23587621	34	6	930220	13436534	29	6
930111	11225433	21	5	930221	43556555	38	7
930112	43221221	17	6	930222	25366444	34	7
930113	11011324	13	6	930223	31121121	12	5
930114	44434333	28	7	930224	02133111	12	7
930115	23233223	20	7	930225	01101111	6	3
930116	12112221	12	5	930226	00111111	6	4
930117	21222111	12	3	930227	00011002	4	3
930118	11311216	16	4	930228	44223221	20	4
930119	43256176	34	5	930301	31237322	23	4
930120	41343300	18	4	930302	22225344	24	5
930121	12101111	8	5	930303	43233259	31	5
930122	00011012	5	6	930304	34421141	20	5
930123	20000001	3	4	930305	21120000	6	6
930124	11121141	12	3	930306	10122121	10	4
930125	00137584	28	5	930307	13322116	19	5
930126	52234332	24	7	930308	22222449	27	5
930127	11111232	12	4	930309	78764437	46	7
930128	01122111	9	5	930310	53114301	18	5
930129	10011012	6	6	930311	11439999	45	4
930130	22212132	15	4	930312	64412246	29	7
930131	35458589	47	7	930313	33533482	31	8
930201	55373833	37	6	930314	32355353	29	8
930202	44323433	26	7	930315	41456366	35	5
930203	11122142	14	6	930316	43455391	34	5
930204	31001112	9	5	930317	22134336	24	6
930205	10011112	7	6	930318	72324112	22	6
930206	00112012	7	6	930319	11222321	14	7
930207	02331286	25	5	930320	11433221	17	5
930208	56454659	44	7	930321	33355642	31	7
930209	44254533	30	7	930322	32444254	28	7
930210	11142382	22	6	930323	21233119	22	6

ELECTRIC ACTIVITY INDICES

Date	T	Sum	K1	Date	T	Sum	K1
930324	44666456	41	7	930506	21212322	15	3
930325	21232221	15	5	930507	11222223	15	4
930326	01221113	11	6	930508	65534437	37	6
930327	21213421	16	6	930509	48954475	46	7
930328	31111135	16	3	930510	5754421	(32)	6
930329	43110002	11	2	930511	110111	(7)	4
930330	20223331	16	3	930512	12123223	16	4
930331	51111112	13	4	930513	51001113	12	4
930401	01111112	8	5	930514	12234321	18	5
930402	00001102	4	4	930515	22222131	15	5
930403	10010102	5	5	930516	23213312	17	6
930404	00002999	29	4	930517	23122224	18	6
930405	97534795	49	4	930518	01122212	11	4
930406	12333117	21	4	930519	12122321	14	7
930407	11111114	11	5	930520	12311110	10	6
930408	23235392	29	5	930521	01101000	3	4
930409	22121284	22	6	930522	01111111	7	3
930410	42413222	20	5	930523	00001020	3	3
930411	11112111	9	4	930524	00110011	4	3
930412	55222111	19	4	930525	11000000	2	2
930413	02444342	23	6	930526	00100111	4	3
930414	12122143	16	6	930527	36424133	26	5
930415	32321136	21	5	930528	35455452	33	6
930416	12322222	16	7	930529	33332111	17	6
930417	21111151	13	6	930530	11211010	7	3
930418	23443221	21	6	930531	11012110	7	4
930419	22211121	12	3	930601	02111000	5	3
930420	24433422	24	6	930602	11111121	9	3
930421	34332654	30	6	930603	11123321	14	3
930422	33223367	29	6	930604	38987555	50	8
930423	21122261	17	4	930605	65744351	35	6
930424	31323320	17	6	930606	23333323	22	7
930425	12231213	15	5	930607	32334435	27	6
930426	10112111	8	3	930608	33633241	25	7
930427	10010101	4	4	930609	11110111	7	4
930428	10112121	9	3	930610	11111159	20	4
930429	00113324	14	3	930611	92112111	18	3
930430	55323233	26	6	930612	12344224	22	5
930501	12142000	10	3	930613	22343113	19	7
930502	00011122	7	2	930614	11121211	10	5
930503	20112201	9	3	930615	12110100	6	3
930504	00111110	5	6	930616	01101000	3	3
930505	01122000	6	4	930617	01112112	9	3

ELECTRIC ACTIVITY INDICES

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Date	T	Sum	K1	Date	T	Sum	K1
930618	01001100	3	3	930731	21132111	12	7
930619	11101111	7	2	930801	20000110	4	5
930620	01111120	7	2	930802	11100001	4	4
930621	00000000	0	1	930803	10121211	9	3
930622	11110112	8	3	930804	11214653	23	3
930623	21126253	22	4	930805	86521121	26	3
930624	35544422	29	7	930806	11223221	14	5
930625	23334331	22	7	930807	13221116	17	5
930626	12222211	13	5	930808	21111100	7	5
930627	11012110	7	3	930809	11222221	13	5
930628	02011010	5	5	930810	11121111	9	5
930629	15334311	21	2	930811	22111000	7	6
930630	12211331	14	4	930812	21111101	8	3
930701	34224216	24	4	930813	11111111	8	5
930702	33245269	34	7	930814	00000000	0	4
930703	73624341	30	4	930815	00011329	16	4
930704	44121111	15	5	930816	54686999	56	7
930705	12100011	6	5	930817	74213111	20	4
930706	00030111	6	3	930818	22223233	19	4
930707	42211121	14	4	930819	12212114	14	4
930708	12534434	26	4	930820	11211110	8	5
930709	13112622	18	6	930821	11211010	7	5
930710	12133333	19	6	930822	01121012	8	5
930711	24342211	19	5	930823	10000000	1	4
930712	11221211	11	6	930824	00121101	6	3
930713	12121111	10	4	930825	10011102	6	3
930714	11100010	4	5	930826	11111112	9	3
930715	10111121	8	3	930827	20124584	26	3
930716	11111110	7	5	930828	21133122	15	3
930717	11110010	5	4	930829	23212111	13	5
930718	21012111	9	3	930830	20101000	4	3
930719	11011111	7	3	930831	11111111	8	5
930720	11244144	21	4	930901	00000010	1	4
930721	22324322	20	5	930902	01113011	8	3
930722	21221211	12	5	930903	12125293	25	4
930723	13211101	10	4	930904	95443613	35	7
930724	10011110	5	4	930905	32222312	17	6
930725	21000100	4	3	930906	31112113	13	5
930726	11001110	5	3	930907	11111102	8	5
930727	11126422	19	3	930908	31112112	12	5
930728	22111111	10	4	930909	40001001	6	4
930729	11012332	13	5	930910	11111010	6	3
930730	22211101	10	7	930911	20011011	6	3

ELECTRIC ACTIVITY INDICES

Date	T	Sum	K1	Date	T	Sum	K1
930912	10111239	18	4	931025	21245793	33	4
930913	59488995	57	5	931026	41121655	25	4
930914	53233544	29	6	931027	43234695	36	6
930915	22222221	15	6	931028	23444224	25	7
930916	11112121	10	5	931028	31112211	12	5
930917	00111101	5	5	931029	10011101	5	5
930918	00110010	3	4	931030	00011121	6	3
930919	11011102	7	3	931101	12023222	14	5
930920	00132336	18	4	931102	21111100	7	5
930921	71100124	16	4	931103	00001134	9	3
930922	11111111	8	3	931104	96778896	60	6
930923	10016324	17	4	931105	32564896	43	7
930924	61433345	29	4	931106	22254475	31	5
930925	51233122	19	4	931107	31244454	27	6
930926	11232111	12	6	931108	42222561	24	5
930927	41112221	14	5	931109	21222122	14	7
930928	01122343	16	5	931110	22222121	14	3
930929	31234883	32	6	931111	02011100	5	5
930930	42212017	19	6	931112	00111001	4	4
931001	62342422	25	4	931113	01112121	9	3
931002	10212241	13	5	931114	11122523	17	4
931003	00011141	8	4	931115	11111145	15	3
931004	00111121	7	5	931116	21111132	12	4
931005	11011122	9	3	931117	10000023	6	3
931006	12111012	9	3	931118	10105998	33	5
931007	11002000	4	1	931119	56442465	36	6
931008	01224212	14	4	931120	22321111	13	6
931009	34766357	41	5	931121	11221111	10	6
931010	34555536	36	6	931122	21111011	8	6
931011	23123653	25	5	931123	11111120	8	5
931012	42335531	26	6	931124	11011101	6	5
931013	22211122	13	6	931125	01111111	7	4
931014	11112120	9	6	931126	21222271	19	7
931015	10110200	5	5	931127	21110112	9	6
931016	01021102	7	4	931128	00111111	6	5
931017	12101121	9	3	931129	22121231	14	3
931018	12010100	5	2	931130	21001000	4	4
931019	21011012	8	3	931201	11126729	29	5
931020	10000111	4	3	931202	45565769	47	6
931021	11112001	7	4	931203	83552156	35	4
931022	14122433	20	4	931204	11122114	13	5
931023	21322212	15	5	931205	01133432	17	6
931024	32222121	15	7	931206	11211111	9	6

ELECTRIC ACTIVITY INDICES

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Date	T	Sum	K1
931207	21105349	25	4
931208	86325930	36	3
931209	00000001	1	4
931210	10011121	7	4
931211	31010110	7	3
931212	10010111	5	3
931213	10000000	1	3
931214	21010001	5	2
931215	02122101	9	3
931216	11444426	26	5
931217	23344435	28	6
931218	23233352	23	7
931219	32112230	14	7
931220	43112222	17	6
931221	22243444	25	7
931222	32223112	16	7
931223	21121125	15	5
931224	21222222	15	6
931225	12213103	13	5
931226	11111215	13	4
931227	11101120	7	3
931228	00000110	2	3
931229	11000010	3	5
931230	11010000	3	3
931231	11332223	17	3