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Potsdamer erdmagnetische Kennziffern

8. Mitteilung

Von A. Burger, Potsdam

Fortsetzung der Kennzifferreihen; vgl. Zeitschr. f. Geophys. **14**, 68—78, 230f., 272f. (1938); **15**, 214—221, 333f. (1939); **16**, 85f., 185f. (1940).

Tabelle 1. Potsdamer erdmagnetische Kennziffern, Mai bis September 1940

Mal 1940	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
0—3 ^h	21	11	11	21	21	01	11	22	32	11	31	21	21	21	11	
3—6 ^h	11	21	11	11	11	01	31	21	31	21	31	31	21	21	31	
6—9	01	01	11	01	11	01	21	01	01	21	21	21	11	11	11	
9—12	11	11	12	11	11	01	11	01	21	21	21	21	21	21	21	
12—15	11	11	21	11	22	01	11	21	31	32	21	22	21	21	21	
15—18	21	21	11	11	23	01	11	11	31	31	21	22	21	21	35	
18—21	36	11	01	11	22	01	11	11	21	45	46	31	32	21	46	
21—24	21	01	11	21	21	01	11	11	21	41	21	35	35	21	31	
Mal 1940	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
0—3 ^h	31	21	41	45	21	11	47	21	31	45	31	57	21	31	01	11
3—6	11	21	41	11	21	41	41	21	68	21	31	31	45	21	01	01
6—9	01	11	41	11	11	11	32	01	42	02	21	11	31	11	01	01
9—12	01	31	31	11	21	01	41	21	78	11	11	31	31	11	01	01
12—15	01	22	57	21	35	01	35	11	58	11	31	11	31	11	12	11
15—18	01	31	31	21	45	11	31	2s	45	45	45	21	32	31	21	01
18—21	22	46	21	11	21	21	21	57	57	31	45	21	22	22	21	01
21—24	11	21	21	33	01	22	11	31	41	21	46	41	21	11	21	12
Junli 1940	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
0—3 ^h	11	21	11	31	11	41	47	41	21	31	21	11	01	11	41	
3—6	11	31	11	11	11	41	41	32	31	11	11	01	11	21	47	
6—9	11	11	11	01	31	31	31	32	22	21	11	11	01	33	31	
9—12	21	11	11	01	11	31	32	22	22	11	11	01	01	32	31	
12—15	11	21	41	11	21	41	33	31	21	11	11	21	11	45	41	
15—18	11	31	21	11	21	41	31	45	31	11	21	21	21	67	47	
18—21	22	11	21	11	21	31	32	42	45	11	11	21	21	51	31	
21—24	21	21	22	11	42	32	41	45	31	22	21	21	22	62	11	
Junli 1940	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
0—3 ^h	32	31	21	21	11	11	12	31	31	4s	57	21	21	01	47	
3—6	21	31	31	31	11	21	11	11	31	78	32	31	11	22	43	
6—9	21	11	41	21	01	11	01	11	21	43	21	21	01	01	01	
9—12	21	21	21	21	01	11	3s	11	21	79	22	21	01	11	21	
12—15	31	41	21	31	11	11	31	11	31	99	22	31	11	11	21	
15—18	21	32	11	31	11	11	21	21	21	78	6s	31	41	21	31	
18—21	21	31	21	21	11	11	21	31	45	67	41	11	32	43	31	
21—24	31	31	11	21	11	01	21	21	41	41	31	01	01	21	11	

Jul 1940	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
0—3 ^h	45	11	11	42	31	31	11	21	21	42	31	21	11	31	31	
3—6	21	01	21	32	21	31	11	01	31	32	32	21	21	51	31	
6—9	01	01	11	32	11	22	11	11	11	32	22	11	21	22	22	
9—12	11	11	21	32	11	21	12	01	21	42	11	21	53	32	22	
12—15	11	11	31	32	21	32	21	11	32	42	11	11	68	31	32	
15—18	21	21	31	31	31	31	31	21	31	31	21	11	67	31	31	
18—21	31	21	41	31	45	32	31	11	32	31	21	21	41	31	31	
21—24	01	11	41	42	41	21	11	32	31	32	21	11	31	31	21	
Jul 1940	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
0—3 ^h	21	21	01	11	01	21	21	21	21	31	22	02	12	11	21	31
3—6	21	11	11	11	12	11	21	21	31	21	21	01	11	21	31	31
6—9	11	11	01	11	11	11	32	01	21	21	12	01	01	21	21	22
9—12	11	01	11	11	01	21	22	11	31	37	11	11	21	21	22	22
12—15	21	11	11	21	11	11	37	21	21	11	11	11	21	11	41	22
15—18	21	31	01	21	11	21	31	21	21	31	21	21	21	11	31	31
18—21	21	11	01	22	21	31	31	21	21	11	01	01	01	46	41	32
21—24	21	01	11	32	11	21	21	22	35	22	12	02	11	35	31	31
August 1940	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
0—3 ^h	47	11	21	31	11	31	21	31	31	31	31	21	35	11	11	
3—6	31	12	21	21	21	21	11	21	22	21	21	21	21	31	11	
6—9	12	12	32	21	11	22	21	21	32	11	22	11	11	11	11	
9—12	22	12	32	22	31	31	31	31	41	21	22	21	11	11	01	
12—15	22	21	67	11	31	31	31	21	47	31	31	21	11	21	01	
15—18	22	31	67	11	31	31	41	21	41	31	31	21	31	11	01	
18—21	22	55	41	35	21	46	31	11	67	21	45	11	11	11	01	
21—24	31	21	21	21	41	41	01	31	31	11	31	31	21	21	02	
August 1940	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
0—3 ^h	01	12	11	31	31	22	31	22	11	01	21	41	31	35	11	21
3—6	01	01	11	11	31	21	11	11	01	01	21	32	32	11	01	01
6—9	11	01	01	11	21	01	21	11	01	01	11	22	22	11	12	01
9—12	01	01	11	11	31	11	21	11	01	01	21	21	22	22	11	11
12—15	01	11	21	21	21	21	11	21	01	01	31	21	22	32	11	11
15—18	01	11	47	35	21	21	41	11	01	21	31	31	21	11	21	21
18—21	11	13	31	31	35	21	46	25	01	21	41	21	35	11	32	21
21—24	01	22	41	32	01	31	21	11	01	36	57	32	21	01	21	45
September 1940	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
0—3 ^h	31	01	46	41	31	21	41	31	31	11	01	22	01	22	21	
3—6	31	01	41	31	21	11	31	21	35	01	01	11	01	21	31	
6—9	22	21	31	11	11	01	21	21	21	11	01	11	01	11	21	
9—12	32	21	31	11	21	21	21	31	21	11	11	12	01	11	11	
12—15	37	21	31	11	21	11	31	31	11	01	21	11	11	21	31	
15—18	31	31	45	21	31	21	45	31	31	01	21	11	21	32	31	
18—21	21	31	31	35	35	11	21	11	45	01	21	12	11	5s	45	
21—24	01	31	41	41	11	35	55	21	45	12	11	11	01	31	11	
September 1940	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
0—3 ^h	11	01	01	11	01	21	01	11	11	31	11	67	47	21	11	
3—6	21	01	01	01	11	21	01	01	11	41	01	41	41	11	01	
6—9	11	11	11	11	21	21	11	01	01	31	01	11	41	11	11	
9—12	11	01	11	01	21	32	21	01	01	31	11	21	31	21	01	
12—15	42	11	01	11	31	31	31	01	01	21	01	21	31	35	11	
15—18	45	11	01	01	41	11	21	01	11	46	6s	41	55	11	11	
18—21	31	11	21	01	21	11	21	11	11	41	79	67	57	35	45	
21—24	11	11	21	01	21	11	11	01	31	45	51	57	31	21	31	

Tabelle 1a.

Zeiten der plötzlichen Sturmanfänge s , Januar bis August 1940

1940	Stärke	Weltzeit h m	1940	Stärke	Weltzeit h m
3. Januar	7	14 39.3	25. „	7	2 3.8
11. „	6	17 57.1	23. Mai	7	17 53.3
24. Februar	5	22 9.0	22. Juni	3	10 48.0
24. März	9	13 48.3	25. „	9	2 53.7
29. „	8	16 3.0	26. „	6	17 19.0
31. „	7	9 40.4	14. September	5	18 9.2
21. April	3	0 16.0	26. „	7	17 3.8

Tabelle 2.

Summen der 8 ersten Kennziffern K_1 für jeden Tag, nach 27-tägigen Rotationen geordnet

Rotat.- Nr.	Erster Tag 1940	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1465	April 30.	17	12	8	8	9	13	0	11	9	18	21	20	19	17
1466	Mai 27.	21	22	14	7	3	11	15	14	8	16	28	27	27	21
1467	Juni 23.	14	23	48	27	16	11	12	19	13	8	20	26	20	21
1468	Juli 20.	7	14	20	13	19	17	10	4	9	16	23	21	19	16
1469	August 16.	2	6	16	17	18	14	19	11	1	7	22	21	19	12
1470	September 12.	9	4	19	19	17	5	6	3	16	15	11	2	7	27
		15	16	17	18	19	20	21	22	23	24	25	26	27	
1465		15	19	7	19	27	15	16	11	24	17	38	17	24	
1466		12	11	10	8	30	26	19	22	17	19	6	8	14	
1467		13	10	20	27	16	12	29	25	21	14	9	4	13	
1468		28	16	19	24	18	18	29	17	22	15	14	12	3	
1469		11	12	19	15	28	19	17	12	25	19	22	4	8	
1470		20	30	31	15	11	23	16	22	11	11	17	37	29	

Tabelle 3.

Anzahl der Kennziffern und Durchschnittswerte, Mai bis August 1940

$K_1 =$	0	1	2	3	4	5	6	7	8	9	K_{1m}	A	$K_1(A)$
Mai 1940:	34	61	80	42	24	5	1	1	—	—	1.94	21.1 γ	2.58
Juni 1940:	18	63	66	52	31	2	4	3	—	1	2.25	29.2	3.05
Juli 1940:	23	63	79	65	14	2	2	—	—	—	1.99	19.9	2.49
August 1940:	34	59	76	57	17	2	3	—	—	—	1.93	20.1	2.51
September 1940:	45	65	49	47	24	6	3	1	—	—	1.89	22.4	2.66

Potsdam, Geophysikalisches Institut.