

SENSITIVE MAGNETOGRAM

INSENSITIVE MAGNETOGRAM

Temperature trace  
Scale Value  
Base Line  
Parallax correction

0.527°C/mm  
-31.5°C  
+ 4 minutes

Horizontal force trace  
Scale Value  
Base Line

4.43 Y/mm  
1st to 3rd 23481Y at 0°C  
4th to 14th 23482Y " "  
15th to 24th 23483Y " "  
25th to 30th 23484Y " "

16.1 Y/mm  
24017Y Actual

Temperature coefficient  
Parallax correction  
Reflection distance:  
Main trace to 1st refl. down

4.50 Y/°C  
+ 2 minutes  
89.8 mm

Nil

Declination trace  
Scale Value  
Base Line Actual

0.92 minutes arc/mm  
16°40'6"

2.36 minutes arc/mm  
16°24'3"

Parallax correction  
Reflection distance:  
Main trace to 1st refl. down

+ 2 minutes  
-  
-

- 1 minute

Vertical force trace  
Scale Value  
Base Line

2.48 Y/mm  
1st to 5th -37062Y at 0°C  
6th to 9th -37063Y " "  
10th to 12th -37064Y " "  
13th to 15th -37065Y " "  
16th to 18th -37066Y " "  
19th to 21st -37067Y " "  
22nd to 24th -37068Y " "  
25th to 27th -37069Y " "  
28th to 30th -37070Y " "

10.9 Y/mm  
- Actual

Temperature coefficient  
Parallax correction  
Reflection distances:  
Main trace to 1st refl. down  
Main trace to 1st refl. up

2.96 Y/°C  
Nil  
95.5 mm  
75.4 mm

- 2 minutes

Distance between base lines

H to Z 155.3 mm

D to Z 206.0 mm

Explanation

Instruments all standard La Coeur  
All charts complete Greenwich days except for charts showing only part days.  
Parallax correction to be added to times as read from the magnetogram.

Sensitive Magnetogram

Order of Traces from top to bottom,  
Temperature Trace  
H Trace  
H Baseline  
(Temperature trace reflection)  
D Baseline  
D Trace  
Z Baseline and Trace.  
Effective temperature coefficient:  
H Baseline values increase with increasing temperature.  
Z Algebraic Baseline values decrease with increasing temperature.

Insensitive Magnetogram

Order of Traces from top to bottom,  
D Trace  
D Baseline, Up or line where double  
H Baseline  
T Trace  
H Trace  
Z Trace  
L Baseline

1st to 9th Clock error less than 1/2 minute  
10th to 11th 0000Z to 1300Z Clock 26 minutes slow as marked  
11th 1400Z to 12th 1400Z Clock 3 minutes slow as marked  
12th 1400Z to 30th Clock 1 minute slow

Extreme values , daily ranges , and K-indices.

June 1957.

U.F. Date	H			D			Z			K - indices.								C figure	Mean daily temp. of variometer room. C							
	Maximum. 23000+	Minimum. 25000+	Range.	Maximum. 17 00.0+	Minimum. 17 00.0+	Range.	Maximum. -(36000+)	Minimum. -(36000+)	Range.	E	1	2	3	4	5	6	7			8	Sum.					
1 Q	21 20	615	590	15 52	25	17 25	14.7	11.3	12 46	3.4	15 59	1030	1041	20 20	11	1	0	1	0	2	1	0	1	8	0	+7.4
2 Q	23 36	627	597	13 52	30	17 59	13.9	09.5	04 12	4.4	05 00	1028	1036	00 02	8	1	2	2	1	1	1	1	1	10	0	+8.1
3	08 48	637	554	18 58	83	18 47	21.6	04.8	05 58	16.8	03 14	1007	1052	23 5/4	45	2	4	4	4	3	3	4	4	28	2	+8.1
4 D	09 45	612	545	23 04	69	22 33	19.1	04.5	03 28	14.6	10 58	1007	1058	01 31	51	4	5	4	3	3	3	3	5	30	2	+8.1
5	10 02	608	545	23 07	63	18 12	17.4	01.5	23 38	15.9	17 38	1021	1059	01 20	38	4	3	3	2	1	3	2	5	25	1	+8.1
6 D	10 15	617	526	04 10	91	12 51	16.4	59.5 <sup>+</sup>	04 10	16.9	07 28	989	1055	20 30	66	5	4	4	3	2	2	4	4	29	2	+8.1
7	00 02	612	541	02 15	71	17 31	15.3	07.5	02 20	7.8	22 10	1034	1058	02 43	24	4	2	1	1	1	1	3	14	1	+8.4	
8	01 52	608	578	04 13	30	17 43	15.6	06.3	01 21	9.3	05 20	1019	1043	00 38	24	4	3	3	1	2	1	1	1	16	1	+8.1
9 Q	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	2	1	1	1	—	—	9 <sup>+</sup>	0	+8.1
10 Q	09 33	619	588	15 52	31	17 34	14.7	11.2	14 08	3.5	15 56	1027	—	—	—	1	0	0	1	0	0	1	2	5	0	+8.1
11 Q	11 14	622	594	15 33	28	17 40	14.7	11.2	13 47	3.5	17 02	1026	1033	19 30	7	2	1	1	1	0	1	1	1	8	0	+7.9
12	08 32	622	583	15 46	39	17 29	14.7	10.5	01 24	4.2	15 28	1022	1034	20 30	12	2	1	3	1	2	1	1	2	13	1	+7.6
13	11 56	629	584	16 29	45	17 23	15.1	11.8	07 01	3.3	12 27	1022	1034	19 21	12	2	1	1	2	2	1	1	3	12	1	+8.0
14	05 50	620	593	01 09	27	17 33	14.0	09.6	05 35	4.4	06 11	1022	1037	01 30	15	2	3	2	1	2	1	2	1	14	1	+8.0
15	10 40	619	580	15 12	39	15 23	17.6	04.0	05 37	13.6	05 17	1009	1035	23 58	26	2	4	4	3	2	3	2	3	23	1	+7.7
16	10 26	621	595	03 22	26	17 42	14.0	11.2	08 11	2.8	14 15	1023	1036	00 02	13	1	2	1	1	1	0	0	1	7	0	+7.3
17	05 54	630	580	22 13	50	22 53	14.8	01.8	08 12	13.0	06 21	999	1034	19 22	35	4	4	5	2	2	1	1	3	22	1	+7.1
18	04 33	630	583	23 53	67	21 28	16.5	01.9	05 10	14.6	04 53	998	1037	00 20	39	5	5	4	2	1	1	3	5	26	1	+7.2
19	10 16	643	557	03 18	68	10 04	17.5	04.9	03 35	12.6	10 41	1003	1043	19 41	40	4	4	4	4	3	3	2	2	26	1	+7.5
20	04 45	630	563	20 28	67	20 18	15.9	04.4	05 40	11.3	05 14	1000	1046	01 35	46	3	4	3	1	1	2	4	2	20	1	+6.8
21	05 40	621	553	19 45	68	20 22	16.9	00.0	08 01	16.9	07 19	991	1040	23 11	49	4	5	4	4	1	1	3	3	25	1	+6.3
22	09 25	635	582	00 38	53	18 03	15.0	11.1	10 33	3.9	10 28	1008	1039	02 58	31	3	2	2	3	2	1	1	2	16	1	+5.3
23	09 16	612	583	00 12	29	21 04	16.0	11.2	13 31	4.8	20 25	1022	1034	02 00	12	3	1	1	1	1	1	3	2	13	1	+5.1
24	08 03	616	559	03 07	57	23 42	14.7	03.1	07 02	11.6	07 48	1005	1033	03 44	28	4	4	5	2	1	1	1	2	20	1	+4.7
25 D	11 36	636	547	02 04	89	21 44	19.7	03.6	05 31	16.1	02 02	999	1040	11 50	41	4	4	4	3	3	2	4	4	29	2	+4.2
26 D	10 36	634	481	05 02	153	11 01	29.7	49.4 <sup>+</sup>	05 15	40.3	11 10	914	1033	18 43	139	6	6	6	6	5	4	3	3	39	2	+5.0
27	08 39	607	571	16 38	36	18 16	15.9	08.2	09 01	7.7	09 05	1011	1045	00 09	34	3	2	3	3	2	1	2	3	19	1	+5.1
28	10 44	619	569	14 10	50	12 17	15.4	03.6	08 02	11.8	06 30	987	1038	03 04	51	3	2	4	4	3	2	1	2	21	1	+5.4
29	23 08	616	588	16 40	28	18 22	15.1	12.1	14 05	3.0	12 25	1024	1032	00 52	8	1	1	1	1	1	1	0	1	7	0	+5.7
30 D	10 21	658	399	22 18	259	23 31	44.3	55.0 <sup>+</sup>	06 41	49.3	11 36	915	1182	22 43	267	3	6	6	7	6	5	6	7	46	2	+5.8

<sup>+</sup> 16 00.0 +

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Explanation

Instruments all standard La Coeur  
 All charts complete Greenwich days except for charts showing only part days.  
 Parallax correction to be added to times as read from the magnetogram.

Sensitive Magnetogram

Order of Traces from top to bottom,  
 Temperature Trace  
 H Trace  
 B Baseline  
 (Temperature trace reflection)  
 D Baseline  
 D Trace  
 Z Baseline and Trace.  
 Effective temperature coefficient:  
 H Baseline values increase with increasing temperature.  
 Z Algebraic baseline values decrease with increasing temperature.

Insensitive Magnetogram

Order of Traces from top to bottom,  
 D Trace  
 D Baseline, Up or line where double  
 B Baseline  
 T Trace  
 H Trace  
 S Trace  
 L Baseline

1st to 20th Clock 1/4 minute slow  
 21st to 31st Clock 1/2 minute slow

Temperature trace  
 Scale Value  
 Base Line  
 Parallax correction

0.527°C/mm  
 -31.5°C  
 + 4 minutes

Horizontal force trace  
 Scale Value  
 Base Line

4.43 Y/mm  
 1st to 2nd 25484Y at 0°C  
 3rd to 11th 25485Y " "  
 12th to 22nd 25486Y " "  
 22nd to 31st 25487Y " "

16.1 Y/mm  
 24017Y Actual

Temperature coefficient  
 Parallax correction  
 Reflection distance:  
 Main trace to 1st refl. down

4.50 Y/°C  
 + 2 minutes

—  
 Nil

Declination trace  
 Scale Value  
 Base Line Actual

0.92 minutes arc/mm  
 1st to 25th 16°40.6'  
 26th to 31st 16°40.7'

2.36 minutes arc/mm  
 16°24.3'

Parallax correction  
 Reflection distance:  
 Main trace to 1st refl. down

+ 2 minutes

- 1 minute

Vertical force trace  
 Scale Value

1st to 12th 2.48Y/mm  
 13th to 31st 2.50Y/mm

10.9 Y/mm

Base Line

1st -37070Y at 0°C  
 2nd to 4th -37071Y " "  
 5th to 7th -37072Y " "  
 8th to 12th -37073Y " "  
 13th to 20th -37074Y " "  
 21st to 28th -37075Y " "  
 29th to 31st -37076Y " "

Actual

Temperature coefficient  
 Parallax correction  
 Reflection distances:

2.96 Y/°C  
 Nil

—  
 - 2 minutes

Distance between base lines

H to Z 155.7mm

D to Z 206.0mm

Extreme values , daily ranges , and K-indices.

July 1957.

U.F. Date.	H			D			Z			K - indices.								C figure	Mean daily temp. of variometer room. C							
	Maximum. 25000+	Minimum. 25000+	Range.	Maximum. 17 00.0+	Minimum. 17 00.0+	Range.	Maximum. -(56000+)	Minimum. -(56000+)	Range.	K	1	2	3	4	5	6	7			8	Sum					
	h.m.	h.m.		h.m.	h.m.		h.m.	h.m.		h.m.	h.m.	h.m.	h.m.													
1 D	18 20	572	387	01 26	185	00 17	31.2	55.4 <sup>+</sup>	04 04	57.8	05 22	989	1127	00 46	158	6	6	6	3	2	5	4	3	33	2	+ 6.0
2 D	12 50	619	505	16 11	114	13 14	31.7	13.0	08 57	18.7	13 01	952	1038	21 02	116	1	1	3	4	6	3	4	2	24	2	+ 1.8
3 D	03 16	622	504	02 54	118	12 12	21.0	58.7 <sup>+</sup>	02 32	22.5	02 51	1005	1055	05 41	50	5	5	4	3	3	1	2	3	28	2	+ 0.2
4	19 46	593	532	23 59	61	23 00	19.3	08.4	23 52	10.9	21 28	1023	1044	00 00	21	1	0	0	0	0	1	5	5	10	1	+ 4.0
5 D	00 45	638	414	05 02	224	11 34	24.5	00.9	05 42	23.6	05 03	850	1066	00 48	236	5	7	5	5	3	1	3	4	33	2	+ 3.2
6	12 35	587	546	22 45	41	20 01	17.4	08.2	23 12	9.2	04 47	1018	1049	00 31	51	3	3	3	2	1	1	4	4	21	1	+ 1.1
7	04 03	603	567	15 33	36	19 31	15.0	10.1	04 32	4.9	04 41	1017	1045	00 14	28	2	3	3	2	1	2	3	1	16	1	+ 5.6
8	02 50	608	579	16 43	29	21 15	15.4	09.4	03 20	6.0	03 12	1021	1037	15 38	16	3	3	2	2	1	1	2	3	17	1	+ 7.4
9	01 19	606	575	15 51	31	16 52	14.8	08.4	01 07	6.4	07 31	1019	1033	00 23	14	3	2	2	1	1	1	1	2	13	1	+ 4.7
10 Q	19 31	606	579	16 13	27	17 30	14.7	10.6	02 33	4.1	23 59	1024	1034	19 35	10	3	3	1	0	0	0	0	0	7	0	+ 3.1
11 Q	10 01	616	530	16 39	36	17 44	14.1	10.7	02 41	3.4	16 09	1018	1027	01 50	9	3	1	1	1	2	0	0	1	9	0	+ 5.4
12	11 51	620	584	19 04	36	19 22	16.2	08.7	03 35	7.5	07 53	1015	1027	22 10	12	3	3	3	2	1	1	3	1	17	1	+ 5.8
13 Q	19 53	614	586	16 15	28	17 44	14.3	11.4	14 13	2.9	16 11	1020	1029	19 50	8	2	1	1	1	0	1	1	0	7	0	+ 5.6
14	20 13	617	586	23 59	31	23 33	15.9	11.3	13 15	4.6	10 07	1014	1027	20 10	13	0	1	0	1	1	1	2	2	8	0	+ 5.5
15 Q	01 50	622	580	16 13	42	00 01	15.3	11.2	02 59	4.1	16 13	1018	1031	01 49	13	3	1	0	1	0	0	0	0	5	0	+ 5.4
16	11 27	633	567	16 49	66	23 15	17.6	05.9	08 44	11.7	16 09	1000	1032	23 58	32	1	1	3	3	3	2	2	2	17	1	+ 5.4
17	19 10	610	581	14 35	29	00 12	17.1	11.4	04 35	5.7	11 51	1012	1034	01 33	22	3	2	1	2	1	1	1	2	13	1	+ 5.7
18	06 01	628	566	16 45	62	21 40	18.0	09.7	07 23	8.3	07 24	1001	1029	23 50	28	2	3	3	2	2	3	2	3	20	1	+ 5.9
19 D	08 39	630	537	22 34	93	20 44	20.5	08.7	09 04	13.8	16 23	998	1047	23 27	51	4	3	4	3	3	3	3	3	26	2	+ 5.5
20	05 47	614	542	02 25	72	18 42	16.9	08.1	08 22	8.8	06 20	1010	1044	00 19	34	4	4	3	1	1	2	2	3	20	1	+ 5.6
21	05 23	610	566	00 03	24	17 38	14.7	11.5	13 40	3.2	22 51	1018	1036	00 40	18	3	2	1	1	1	1	1	2	12	0	+ 5.4
22	06 11	643	543	20 00	100	19 40	21.9	05.7	07 35	16.2	08 32	984	1038	23 59	34	2	3	4	3	3	2	4	4	25	1	+ 5.4
23	23 13	613	567	01 57	46	17 33	15.9	06.7	05 07	9.2	05 11	1010	1037	00 02	27	3	3	3	1	1	1	0	2	14	1	+ 5.2
24	00 20	621	572	16 35	49	18 29	16.7	10.9	00 19	5.8	12 30	1007	1026	19 28	19	3	1	2	2	3	2	2	2	17	1	+ 5.2
25	20 24	614	574	00 15	40	17 49	15.0	09.0	00 26	6.0	06 37	1009	1031	00 52	22	3	3	3	1	2	1	1	1	15	1	+ 5.0
26 Q	01 21	613	581	15 51	32	17 50	14.8	11.2	06 39	3.6	15 07	1005	1018	19 41	13	1	1	1	1	1	0	0	1	6	0	+ 3.8
27	23 43	646	594	15 22	52	17 57	14.8	10.9	13 29	3.9	15 41	1002	1021	21 08	19	0	1	0	0	0	1	3	3	8	0	+ 4.8
28	00 22	643	595	16 09	48	18 36	13.7	10.6	13 40	3.1	16 36	1002	1012	00 23	10	3	2	2	1	1	1	1	1	12	1	+ 5.6
29	10 37	644	577	22 22	67	10 37	16.0	05.6	04 30	10.4	11 18	989	1021	23 59	32	2	3	3	4	2	2	2	3	21	1	+ 5.5
30	04 34	627	588	23 33	39	18 22	14.5	09.1	06 08	5.4	15 22	1005	1022	00 18	17	1	3	3	2	1	2	1	3	16	1	+ 5.5
31	12 27	621	575	22 22	48	18 33	14.7	10.0	22 48	4.7	16 04	999	1014	20 01	15	2	1	1	1	1	1	1	3	11	0	+ 4.0

+ 16 00.0 +

N.B.  
On 28th, E3 K' = 1



Extreme values , daily ranges , and K-indices.

August 1957.

U.F.	H			D			Z			K - indices.									C figure	Mean daily temp. of variometer room. C							
	Maximum. 25000+	Minimum. 25000+	Range.	Maximum. 17 00.0+	Minimum. 17 00.0+	Range.	Maximum. -(56000+)	Minimum. -(56000+)	Range.	1	2	3	4	5	6	7	8	Sum.									
Date.	h.m.		h.m.	h.m.		h.m.	h.m.		h.m.	h.m.		h.m.															
1	06 45	624	581	15 28	43	17 40	14.8	07.4	05 12	7.4	06 15	998	1018	20 16	20	2	3	3	1	1	1	1	1	13	0	+ 4.6	
2	05 35	633	569	23 59	64	18 20	15.7	04.9	02 42	10.8	02 57	995	1018	25 13	25	4	4	3	2	1	1	1	3	19	1	+ 5.6	
3 D	07 42	651	581	00 12	70	23 56	18.4	08.2	00 51	10.2	17 26	995	1024	22 03	31	4	1	3	2	1	4	3	3	21	1	+ 4.7	
4	09 49	614	515	00 23	101	00 06	17.5	08.6	05 21	8.9	17 30	1006	1035	00 50	29	5	3	2	1	1	2	2	1	17	1	+ 6.2	
5	10 04	611	517	23 37	94	19 31	16.2	05.1	23 43	13.1	17 58	1000	1018	23 12	18	1	1	1	1	1	2	2	5	14	1	+ 6.2	
6 D	10 36	636	536	00 01	100	20 03	19.6	57.0+	06 45	20.6	07 09	949	1035	23 58	86	3	5	5	5	3	3	4	4	32	2	+ 6.1	
7	09 02	609	560	00 00	49	19 10	16.9	08.9	01 06	8.0	04 21	1003	1040	00 18	37	4	3	3	2	2	1	1	2	18	1	+ 6.1	
8	19 41	617	584	17 12	33	18 47	15.5	08.9	08 21	8.6	06 40	994	1023	00 01	29	2	3	4	2	1	1	2	3	18	1	+ 6.2	
9	20 03	615	579	01 42	38	22 42	16.1	08.3	13 51	7.8	16 29	995	1014	04 20	21	4	3	2	1	3	2	2	3	20	1	+ 2.6	
10	23 53	615	530	02 15	35	18 12	16.5	59.8+	02 36	16.7	15 50	995	1015	01 37	20	5	4	2	1	1	1	1	2	17	1	- 1.0	
11 Q	01 10	620	582	15 13	38	18 17	15.7	10.5	14 09	5.2	16 15	989	1008	01 11	19	2	1	0	1	1	1	1	2	9	0	- 3.2	
12	08 59	624	561	17 48	63	18 11	18.0	04.9	04 21	13.1	17 31	981	1010	19 55	29	3	4	3	5	3	2	3	2	23	1	- 3.4	
13 D	01 49	615	523	03 36	92	12 38	19.2	52.7+	03 12	26.5	06 55	892	1011	19 49	119	6	4	5	4	3	3	3	2	30	2	- 3.7	
14	11 42	598	564	16 22	34	20 05	16.6	11.1	11 39	5.5	16 20	982	1004	00 37	22	2	1	1	2	2	2	3	2	15	1	- 4.3	
15	00 20	606	557	02 09	49	00 01	16.1	03.9	02 11	12.2	16 00	984	1008	05 20	22	5	3	2	2	1	1	2	3	19	1	- 4.3	
16	11 45	604	575	16 11	29	18 46	16.9	08.4	03 31	8.5	15 45	983	1003	04 37	20	3	3	1	1	0	1	2	1	12	0	- 3.4	
17 Q	11 07	610	574	15 22	36	18 17	15.7	10.1	14 04	5.6	16 43	982	1001	21 03	19	1	0	0	0	1	1	0	1	4	0	- 0.4	
18	10 17	624	558	15 12	66	18 09	17.5	10.7	03 00	6.8	14 48	976	1003	21 22	27	2	2	0	3	1	1	2	2	13	1	+ 1.0	
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	-	-	1	1	1	1	1	12+	1	- 1.1
20	03 25	605	563	16 44	42	18 53	18.8	09.4	06 23	9.4	16 49	975	1005	23 40	30	2	2	2	2	2	2	3	3	18	1	- 0.9	
21	03 12	612	544	04 59	68	00 04	18.2	58.9+	05 37	19.3	03 32	980	1006	00 20	46	5	5	5	3	1	2	1	1	23	1	- 0.9	
22 Q	12 02	608	565	15 12	43	18 20	16.4	10.5	13 39	5.9	16 14	982	1000	20 34	18	1	2	2	2	2	1	1	1	12	0	- 1.1	
23 Q	09 32	616	565	15 39	51	17 53	15.5	09.6	13 11	5.9	15 25	978	995	02 00	17	1	0	0	1	0	1	1	1	5	0	- 1.2	
24 Q	09 43	613	567	16 59	46	18 32	16.1	09.4	14 02	6.7	15 29	973	994	21 20	21	0	0	0	1	1	1	0	1	4	0	- 1.4	
25	05 51	629	572	22 55	57	20 29	15.9	08.8	14 10	7.1	16 35	969	992	05 52	23	0	2	1	1	2	2	2	3	13	0	- 1.4	
26	04 55	622	570	16 47	52	17 53	16.8	08.6	13 23	8.2	17 47	964	998	01 11	34	3	2	1	1	2	2	2	2	15	1	- 1.2	
27	03 31	623	556	21 21	67	18 33	17.7	59.4+	05 00	18.3	05 31	963	1000	21 54	37	3	5	4	3	3	2	3	4	27	2	- 1.1	
28	05 30	621	556	16 22	65	17 25	18.4	05.2	05 21	13.2	06 42	964	993	00 37	32	2	3	5	2	2	2	2	3	21	1	- 0.9	
29	20 22	643	555	22 02	88	21 30	27.9	03.6	20 02	24.3	16 40	964	1020	20 42	56	3	1	1	2	2	2	5	5	21	1	- 0.9	
30 D	00 13	652	532	16 32	120	01 12	23.5	05.3	05 50	18.2	09 08	972	1064	01 20	92	5	4	5	4	2	3	2	1	26	2	- 0.7	
31 D	05 59	608	522	16 29	86	19 18	22.9	08.0	14 11	14.9	16 30	957	1023	23 48	66	3	3	2	3	3	3	4	4	25	2	- 0.8	

+ 16 00.0+

SENSITIVE MAGNETOGRAM

INSENSITIVE MAGNETOGRAM

Explanation

Instruments all standard La Coeur  
 All charts complete Greenwich days except for charts showing only part days.  
 Parallax correction to be added to times as near from the magnetogram.

Sensitive Magnetogram

Order of Traces from top to bottom,  
 Temperature Trace  
 H Trace  
 .. Baseline  
 (Temperature trace reflection)  
 D Baseline  
 D Trace  
 Z Baseline and Trace.  
 Effective temperature coefficient:  
 H Baseline values increase with increasing temperature.  
 Z Algebraic Baseline values decrease with increasing temperature.

Insensitive Magnetogram

Order of Traces from top to bottom,  
 D Trace  
 D Baseline, Up or line where double  
 .. Baseline  
 T Trace  
 H Trace  
 Z Trace  
 .. Baseline

Clock correct to within 30 seconds throughout

Temperature trace			
Scale Value	0.527°C/mm		
Base Line	-31.5°C		
Parallax correction	+ 4 minutes		
Horizontal force trace			
Scale Value	4.43 Y/mm	16.1 Y/mm	
Base Line	1st to 15th 25490Y at 0°C	24018Y	Actual
	16th to 30th 25489Y " "		
Temperature coefficient	4.50 Y/°C		
Parallax correction	+ 2 minutes	Nil	
Reflection distance:			
Main trace to 1st refl. down	89.7 mm		
Declination trace			
Scale Value	0.92 minutes arc/mm	2.36 minutes arc/mm	
Base Line Actual	1st to 2nd 17°40.7'	1st to 24th 16°24.5'	
	3rd to 4th 17°40.6'	26th to 30th 16°23.9'	
	5th to 7th 17°40.5'		
	8th to 9th 17°40.4'		
	10th to 12th 17°40.3'		
	13th to 14th 17°40.2'		
	15th to 17th 17°40.1'		
	18th to 20th 17°40.0'		
	21st to 24th 17°39.9'		
	25th to 30th 17°39.8'		
Parallax correction	+ 2 minutes	- 1 minute	
Reflection distance:			
Main trace to 1st refl. down	89.6mm		
Vertical force trace			
Scale Value	2.50Y/mm	10.9 Y/mm	
Base Line	1st to 11th -37079Y at 0°C	-36835Y	Actual
	12th to 23rd -37080Y " "		
	24th to 31st -37081Y " "		
Temperature coefficient	2.96 Y/°C	—	
Parallax correction	Nil	- 2 minutes	
Reflection distances:			
Main trace to 1st refl. down	95.7 mm	1st to 1500Z 24th 97.0 mm	
Main trace to 1st refl. down		2000Z 24th to 31st 81.9 mm	
Main trace to 1st refl. up	75.3 mm		
1st Down to 2nd refl. down	79.0 mm		
Distance between base lines	H to Z 156.1mm	D to Z 1st to 24th 206.0	
		25th to 31st 176.8	

Extreme values , daily ranges , and K-indices.

September 1957.

U.T.	h.m.	H		Range.	D		Range.	Z		Range.	K - indices.								C figure	Mean daily temp. of variometer room. °C						
		Maximum. 25000+	Minimum. 25000+		Maximum. 17 00.0+	Minimum. 17 00.0+		Maximum. -(36000+)	Minimum. -(36000+)		E	1	2	3	4	5	6	7			8	Suz.				
1	02 13	635	546	14 52	87	17 59	18.2	58.7 <sup>+</sup>	02 04	12.5	02 58	949	1052	00 59	35	6	5	5	5	5	1	1	5	25	2	- 0.9
2	03 17	664	413	23 53	251	23 11	32.1	52.9 <sup>+</sup>	05 38	39.2	07 42	888	1228	23 53	340	4	6	6	4	5	4	5	7	41	2	- 0.7
3 D	03 22	587	425	15 04	162	12 52	48.9	56.2 <sup>+</sup>	05 18	52.7	11 40	861	1182	00 01	321	7	6	5	6	7	5	4	4	44	2	- 0.9
4 D	04 20	608	265	15 43	343	18 13	38.0	04.0	22 55	34.0	15 27	865	1204	18 14	359	4	5	2	2	6	7	6	7	39	2	- 1.2
5	20 45	562	918 <sup>+</sup>	03 57	644	00 41	35.6	32.1 <sup>+</sup>	03 50	63.5	04 34	472	1256	00 32	784	8	9	6	3	5	3	4	6	42	2	+ 0.3
6	03 16	593	505	16 34	88	12 45	23.1	06.7	03 09	16.4	12 43	984	1048	01 22	64	5	5	4	3	4	3	3	2	29	1	+ 1.5
7	04 32	595	514	16 13	81	18 55	20.0	08.9	04 43	13.1	16 16	987	1027	00 20	40	3	4	2	3	1	2	2	2	19	1	+ 1.2
8 Q	11 30	598	535	15 45	63	19 01	18.3	08.6	13 15	9.7	15 49	975	1014	01 39	39	1	0	1	1	1	2	1	2	9	0	+ 0.5
9	06 54	610	523	16 50	87	18 51	19.3	07.2	02 43	12.1	15 48	936	1014	21 08	48	4	4	4	3	2	2	1	2	22	1	+ 0.1
10	07 46	605	536	15 31	69	19 18	18.0	09.4	13 12	8.6	17 05	960	1009	20 30	49	1	1	2	2	1	2	2	2	13	1	- 0.1
11 Q	10 34	606	538	15 48	68	18 23	19.2	08.1	12 31	11.1	16 50	962	1004	00 10	42	2	1	2	1	2	2	2	2	14	0	- 0.9
12	11 12	613	548	17 39	65	18 42	19.6	07.7	13 38	11.9	15 23	959	1009	22 25	50	2	2	1	2	2	2	2	3	16	0	- 0.5
13 D	00 55	720	828 <sup>+</sup>	08 35	892	10 13	53.4	22.8 <sup>+</sup>	07 29	90.6	09 38	313	1085	13 27	772	6	7	9	9	6	3	3	3	46	2	- 0.55
14	09 44	613	489	16 15	124	18 38	22.4	06.2	09 21	16.2	10 12	933	1042	00 19	109	3	3	4	5	4	3	2	5	29	2	- 0.1
15	23 21	592	521	15 53	71	19 00	21.8	09.8	04 21	12.0	16 48	964	1031	00 02	47	4	3	2	2	2	2	3	20	1	+ 1.6	
16	10 26	598	525	15 22	73	18 42	19.6	04.5	03 05	15.1	16 27	971	1026	00 43	55	5	4	1	1	1	2	2	2	16	1	+ 2.2
17	23 58	618	519	16 27	99	17 58	21.1	06.1	13 20	15.0	16 29	955	1010	02 05	55	2	2	2	2	3	4	3	2	20	1	+ 2.4
18	01 23	629	534	15 34	95	18 01	21.6	04.4	02 53	17.2	15 20	961	1015	22 26	54	4	4	2	2	3	3	2	2	22	1	+ 2.3
19 Q	04 22	615	538	15 29	77	18 13	19.1	05.3	12 54	13.8	15 49	960	1005	00 29	43	1	1	2	2	1	1	1	1	10	0	+ 2.3
20 Q	09 11	618	541	15 38	77	18 31	20.0	05.6	12 59	14.4	14 47	962	1005	21 43	43	2	1	1	2	2	2	2	2	14	0	+ 2.2
21	10 05	656	442	17 23	214	19 32	27.8	02.4	11 50	25.4	11 41	934	1067	21 31	133	3	2	1	5	4	5	5	4	29	2	+ 1.8
22	22 34	585	311	14 30	274	18 16	29.0	01.5	07 00	27.5	14 30	837	1150	22 03	313	5	4	6	4	6	6	4	6	41	2	+ 1.5
23 D	02 38	667	013	05 49	621	04 57	38.8	48.6 <sup>+</sup>	07 15	50.2	05 25	410	1096	21 00	686	7	8	8	6	5	4	5	4	47	2	+ 0.3
24	02 00	592	493	16 09	99	19 15	22.1	02.0	01 45	20.1	05 33	933	1056	00 04	123	5	5	4	3	4	2	3	3	29	1	+ 0.3
25	01 29	609	505	15 50	104	18 44	19.4	07.6	09 01	11.8	07 59	957	1028	00 50	71	3	3	4	4	3	1	1	1	20	1	+ 1.6
26	11 45	605	531	16 12	74	18 40	20.4	07.0	13 31	13.4	16 12	971	1015	21 30	44	2	2	2	3	2	1	2	2	16	0	+ 2.4
27 Q	22 32	606	533	15 22	73	18 05	19.7	07.0	12 57	12.7	16 00	966	1014	21 30	43	1	1	1	1	1	1	2	3	11	0	+ 2.8
28	04 13	607	527	15 33	80	18 45	19.3	05.6	05 21	13.7	16 32	970	1014	22 00	44	2	3	3	1	1	1	2	2	15	0	+ 2.3
29 D	13 02	647	321	15 25	326	18 55	44.4	54.6 <sup>+</sup>	13 38	49.8	15 30	830	1173	20 52	343	3	5	5	3	7	6	7	6	42	2	+ 1.6
30	02 52	586	450	16 11	136	17 20	27.2	04.9	03 09	22.3	09 59	940	1064	00 00	124	5	5	4	4	4	4	3	4	33	2	+ 1.7

+ 22000+

+ 16 00.0+

N.B.

On 12th, E6 K'= 1  
 E7 K'= 1  
 16th, E6 K'= 2  
 18th, E6 K'= 2

SENSITIVE MAGNETOGRAM      INSENSITIVE MAGNETOGRAM

Temperature trace			
Scale Value	0.527°C/mm		
Base Line	-31.5°C		
Parallax correction	+ 4 minutes		
Horizontal force trace			
Scale Value	4.43 Y/mm	16.1 Y/mm	
Base Line	1st to 19th 23488Y at 0°C		Actual
	20th to 31st 23487Y " "		
Temperature coefficient	4.50 Y/°C	—	
Parallax correction	+ 2 minutes	Nil	
Reflection distance:			
Main trace to 1st refl. down	89.7mm		
Declination trace			
Scale Value	0.92 minutes arc/mm	2.36 minutes arc/mm	
Base Line Actual	17°39'8"		
Parallax correction	+ 2 minutes	- 1 minute	
Reflection distance:			
Main trace to 1st refl. down			
Vertical force trace			
Scale Value	2.50 Y/mm	10.9 Y/mm	
Base Line	-36995Y at 0°C		Actual
Temperature coefficient	2.96 Y/°C	—	
Parallax correction	Nil	- 2 minutes	
Reflection distances:			
Main to 1st refl. down	95.7mm		
Main to 1st refl. up	75.3mm		
Distance between base lines	H to Z 156.1mm	D to Z 176.8mm	

Explanation

Instruments all standard La Coeur  
 All charts complete Greenwich days except for charts showing only part days.  
 Parallax correction to be added to times as read from the magnetogram.

Sensitive Magnetogram

Order of Traces from top to bottom,  
 Temperature Trace  
 H Trace  
 .. Baseline  
 (Temperature trace reflection)  
 .. Baseline  
 D Trace  
 Z Baseline and Trace.  
 Effective temperature coefficient:  
 1. Baseline values increase with increasing temperature.  
 2. Algebraic Baseline values decrease with increasing temperature.

Insensitive Magnetogram

Order of Traces from top to bottom,  
 D Trace  
 D Baseline, "Y" or "Z" where double  
 .. Baseline  
 H Trace  
 H Trace  
 D Trace  
 .. Baseline

Clock correct to within 30 seconds throughout



Extreme values , daily ranges , and K-indices.

October 1957.

U.T.	h.m.	H			D			Z			K - indices.								C figure	Mean daily temp. of variometer room. C						
		Maximum. 25000+	Minimum. 25000+	Range.	Maximum. 17 00.0+	Minimum. 17 00.0+	Range.	Maximum. -(36000+)	Minimum. -(36000+)	Range.	B	1	2	3	4	5	6	7			8	Sum.				
1 D	02 45	622	513	15 09	109	19 42	21.7	03.1	02 29	18.6	14 55	968	1039	00 31	71	5	4	2	1	5	2	3	4	24	1	+ 1.7
2	02 52	619	514	15 54	105	18 27	19.5	05.0	02 42	14.5	16 00	964	1019	22 49	55	4	3	1	2	2	2	2	3	19	1	+ 1.5
3	05 36	613	492	16 22	121	17 51	22.0	06.6	10 40	15.4	15 50	954	1018	21 27	64	3	2	2	3	3	3	4	3	23	1	+ 0.65
4	05 45	625	508	15 22	115	16 06	21.4	05.7	23 51	15.7	14 57	934	1018	20 58	52	3	3	2	2	2	2	3	4	21	1	+ 0.85
5	04 03	615	533	15 54	82	17 24	20.9	06.7	11 49	14.2	17 08	951	1016	00 03	65	3	3	3	3	2	2	2	2	20	1	+ 1.4
6 Q	23 52	615	522	15 23	93	18 09	17.8	07.7	12 49	10.1	15 08	958	1002	21 07	44	3	1	1	0	0	0	1	2	8	0	+ 1.6
7 Q	05 40	642	545	15 47	97	18 10	18.0	05.6	13 08	12.4	16 40	948	998	20 10	50	2	3	3	2	2	1	3	2	18	1	+ 1.4
8 Q	04 00	619	541	15 20	78	19 22	17.5	05.7	12 14	11.8	15 25	946	987	01 00	41	2	1	0	1	1	1	1	1	8	0	+ 0.3
9	06 22	635	533	14 54	100	18 23	22.2	06.8	12 31	15.4	14 35	943	1008	22 13	63	2	2	3	2	2	2	3	2	18	1	- 0.2
10	05 33	624	522	16 34	102	19 55	23.4	01.7	08 19	21.7	08 32	942	1019	21 11	77	3	4	4	2	2	3	3	3	24	1	- 0.1
11 D	01 50	626	495	15 33	131	18 33	22.6	05.7	10 11	16.9	15 00	943	1023	21 44	80	3	4	3	3	3	2	2	2	22	1	- 1.2
12	02 26	622	514	15 21	108	18 45	21.7	03.9	09 07	17.8	14 50	943	1023	21 55	80	2	2	3	4	2	2	2	3	20	1	- 1.3
13 D	05 09	625	510	16 00	115	18 52	22.1	59.2+	02 13	22.9	05 32	937	1031	23 59	94	5	4	3	2	2	2	3	4	25	1	- 1.5
14 D	00 57	608	478	15 09	130	19 14	28.8	55.0+	06 38	33.8	06 08	876	1036	23 15	160	4	5	6	4	4	4	4	5	36	2	- 1.5
15	00 23	608	498	15 42	110	18 24	24.3	07.9	11 48	16.4	16 20	954	1027	00 23	73	3	3	2	1	2	2	2	2	17	1	- 1.3
16 Q	23 41	618	515	15 42	103	18 33	20.5	07.9	11 53	12.6	16 00	946	1009	00 01	63	2	1	1	1	1	1	3	2	12	0	- 1.5
17	04 31	635	539	15 13	96	16 43	17.5	04.7	11 45	12.8	17 10	948	992	02 00	44	2	2	2	3	3	1	1	2	16	1	- 1.4
18 Q	04 26	636	547	16 02	89	18 48	20.3	06.3	13 12	14.0	16 38	945	995	22 27	50	2	2	1	1	1	2	3	2	14	0	- 0.3
19	06 09	652	528	15 00	124	19 29	22.1	05.9	09 33	18.2	14 43	933	1000	21 43	67	2	2	3	3	2	2	3	3	20	1	+ 0.9
20	22 39	642	487	17 01	155	17 04	25.2	04.8	12 05	20.4	17 02	904	1035	23 04	131	2	2	2	2	2	4	2	5	21	1	+ 1.1
21 D	22 42	728	499	16 02	229	23 20	28.8	05.7	10 13	23.1	15 33	927	1095	23 03	168	3	2	2	2	3	3	4	6	25	1	+ 0.7
22	00 18	625	509	15 32	116	17 39	22.2	07.8	09 41	14.4	10 31	949	1060	00 20	111	5	3	3	3	2	3	4	4	27	1	+ 0.8
23	00 27	617	502	15 30	115	18 04	22.0	03.4	01 03	16.6	16 23	940	1030	00 27	90	5	2	2	2	1	3	3	3	21	1	+ 1.5
24	02 24	622	516	15 08	106	18 37	24.6	05.9	11 31	18.7	16 32	931	998	20 13	67	3	1	2	2	2	3	3	2	18	1	+ 1.7
25	22 03	629	524	16 06	105	18 00	21.8	05.1	12 45	16.7	15 56	941	1007	22 05	66	2	1	1	3	3	2	2	3	17	1	+ 1.8
26	04 52	632	537	15 46	95	17 49	19.3	03.3	10 40	16.0	15 50	942	999	21 01	57	3	2	2	3	2	2	2	3	19	1	+ 1.8
27	04 37	641	533	15 53	108	18 16	19.7	03.1	11 21	16.6	15 40	922	1001	20 59	79	1	2	2	3	3	3	3	4	21	1	+ 1.4
28	01 23	659	534	15 00	125	17 38	22.7	04.9	11 07	17.8	14 38	941	999	01 20	58	4	3	4	4	2	4	3	2	26	1	+ 1.7
29	21 41	646	536	15 19	110	19 27	19.6	05.7	10 19	13.9	15 53	939	1016	21 48	77	4	2	3	3	4	3	4	4	27	1	+ 1.5
30	04 14	624	513	15 15	111	18 06	20.0	03.2	08 45	16.8	07 51	929	1001	20 25	72	3	3	4	4	3	2	2	2	23	1	+ 1.0
31	03 24	620	526	15 13	94	17 43	20.9	03.5	11 25	17.4	15 21	932	990	21 41	58	2	2	1	2	3	2	2	2	16	1	+ 0.8

N.B.  
On 20th, 36 K' = 1

NOVEMBER 1957

SENSITIVE MAGNETOGRAM

INSENSITIVE MAGNETOGRAM  
NONE INCLUDED

Explanation

Instruments all standard La Coeur  
All charts complete Greenwich days except for charts showing only part days.  
Parallax correction to be added to times as read from the magnetogram.

Temperature trace  
Scale Value  
Base Line  
Parallax correction

0.527°C/mm  
-31.5°C  
+ 4 minutes

Horizontal force trace  
Scale Value  
Base Line

4.43 Y/mm  
1st 23437Y at 0°C  
2nd to 19th 23486Y " "  
20th to 30th 23485Y " "

16.1 Y/mm

Actual

Temperature coefficient  
Parallax correction  
Reflection distance:  
Main trace to 1st refl. down

4.50 Y/°C  
+ 2 minutes  
69.7mm

Nil

Sensitive Magnetogram

Order of Traces from top to bottom,  
Temperature Trace  
H Trace  
A Baseline  
(Temperature trace reflection)  
D Baseline  
D Trace  
Z Baseline and Trace.  
Effective temperature coefficient:  
H Baseline values increase with increasing temperature.  
Z Algebraic Baseline values decrease with increasing temperature.

Declination trace  
Scale Value  
Base Line Actual

0.92 minutes arc/mm  
17°39.8'

2.36 minutes arc/mm

Insensitive Magnetogram

Order of Traces from top to bottom,  
D Trace  
D Baseline, Up or line where double  
H Baseline  
T Trace  
H Trace  
Z Trace  
A Baseline

Parallax correction  
Reflection distance:  
Main trace to 1st refl. down

+ 2 minutes

- 1 minute

Vertical force trace  
Scale Value  
Base Line

2.50 Y/mm  
-36995Y at 0°C

10.9 Y/mm

Actual

Clock correct to within 30 seconds throughout

Temperature coefficient  
Parallax correction  
Reflection distances:  
Main trace to 1st refl. down  
Main trace to 1st refl. up

2.96 Y/°C  
Nil  
95.7mm  
75.3mm

- 2 minutes

Distance between base lines

H to Z 156.1mm

D to Z

Extreme values , daily ranges , and K-indices.

November 1957.

U.T.	h.m.	H			D			Z			K - indices.								C figure	Mean daily temp. of variometer room.						
		Maximum. 23000+	Minimum. 23000+	Range.	Maximum. 17 00.0+	Minimum. 17 00.0+	Range.	Maximum. -(36000+)	Minimum. -(36000+)	Range.	E	1	2	3	4	5	6	7			8	Sum.				
1	03 08	629	500	14 31	129	16 49	21.1	05.9	12 14	15.2	14 58	926	992	23 00	66	2	3	2	2	3	3	2	2	19	1	+1.0
2	01 19	628	518	15 07	110	18 23	20.8	05.9	12 08	14.9	15 40	913	997	22 28	84	3	2	2	2	1	1	3	3	17	1	+1.9
3	10 30	617	528	14 58	89	17 38	23.4	07.1	12 00	16.3	14 08	923	993	01 09	70	3	1	2	3	3	2	3	2	19	1	+2.5
4 Q	02 12	615	525	14 32	90	18 26	17.9	04.5	11 53	13.4	15 22	935	987	20 50	52	1	1	1	1	0	2	2	2	10	0	+3.0
5 Q	05 32	625	544	15 42	81	18 34	18.4	04.8	10 51	13.6	14 30	925	980	01 59	55	2	1	1	1	1	2	3	2	13	0	+3.7
6	19 27	712	547	15 45	165	20 53	25.6	05.8	09 40	19.8	15 02	920	1058	22 38	138	2	1	2	2	2	2	5	5	21	1	+3.0
7	00 01	625	490	13 58	135	01 19	24.0	04.8	11 45	19.2	14 11	945	1025	00 03	80	6	3	3	3	3	3	2	3	26	1	+2.6
8	23 22	613	478	15 13	135	18 31	22.5	03.0	08 38	19.5	15 10	914	1020	21 54	106	2	2	4	3	3	4	3	3	24	1	+2.7
9 D	01 39	612	497	14 01	115	18 34	24.4	04.0	10 59	20.4	13 43	927	1028	23 14	101	3	4	4	3	4	3	3	4	28	2	+3.3
10	03 42	616	494	15 20	122	16 29	23.1	05.8	10 10	17.3	05 13	923	1021	00 01	98	3	4	3	4	3	4	3	3	27	1	+3.6
11	02 20	638	514	13 12	124	18 12	20.7	05.6	12 39	15.1	13 11	922	1025	22 19	103	4	3	3	3	4	3	4	4	28	2	+3.8
12	21 52	624	509	14 48	115	16 43	22.0	04.7	10 11	17.3	12 54	923	1007	21 53	84	3	3	2	3	4	3	2	3	23	1	+4.3
13	23 46	654	519	15 12	135	17 51	20.9	03.9	11 14	17.0	16 23	931	1000	23 48	69	2	2	3	2	3	2	4	4	22	1	+4.6
14	01 53	669	509	15 10	160	17 38	21.6	00.8	12 30	20.8	15 50	916	1012	21 42	96	4	3	3	3	3	4	4	4	28	2	+5.1
15	01 42	634	496	15 08	138	17 45	24.1	03.9	11 17	20.2	15 28	921	996	23 08	75	4	3	3	3	3	3	3	3	25	1	+5.3
16	04 57	632	535	14 22	97	17 22	18.8	04.8	11 32	14.0	16 00	930	987	19 51	57	3	2	2	3	3	3	3	2	21	1	+5.1
17 Q	23 22	646	548	14 28	98	18 51	14.2	05.9	10 09	8.3	14 30	924	992	23 27	68	3	2	1	1	2	1	1	3	14	0	+5.2
18	02 39	628	509	14 09	119	15 29	22.1	02.1	07 57	20.0	13 10	900	990	01 15	90	3	2	4	4	4	3	3	4	27	1	+4.9
19	05 02	629	510	13 49	119	18 18	16.3	05.7	10 21	10.6	13 20	933	992	22 29	59	3	3	2	3	2	2	3	3	21	1	+3.9
20	01 30	626	527	14 12	99	16 25	20.5	04.7	09 09	15.8	15 08	923	991	21 53	68	2	2	2	2	3	3	3	3	20	1	+3.2
21 Q	00 22	620	532	13 05	88	16 43	17.0	04.8	10 24	12.2	15 00	919	976	00 22	57	1	1	1	1	1	1	2	2	10	0	+3.0
22 Q	04 17	639	537	13 44	102	16 31	18.7	05.7	09 20	15.0	13 32	917	974	04 19	57	2	2	3	2	2	3	2	1	17	1	+3.5
23	23 28	676	548	14 22	128	17 23	20.5	02.2	10 18	18.3	13 24	908	996	23 29	68	1	2	3	2	3	3	2	4	20	1	+4.3
24	04 12	669	546	13 53	123	18 14	19.5	59.3+	09 13	20.2	15 25	910	985	22 41	75	3	3	3	4	2	3	4	4	26	1	+4.8
25 D	02 30	667	510	15 26	157	17 39	24.4	57.3+	08 36	27.1	03 27	878	1007	21 06	129	3	4	5	5	3	4	5	4	33	2	+6.3
26 D	20 56	684	484	18 02	200	21 04	29.9	02.1	10 27	27.8	14 54	885	1109	21 20	224	4	5	5	4	4	5	6	6	39	2	+6.5
27 D	00 04	622	456	17 28	166	17 13	25.5	04.4	08 24	21.1	07 02	919	1054	00 01	135	5	4	5	5	4	4	4	3	34	2	+6.4
28 D	04 58	609	499	16 12	110	17 31	25.5	05.0	12 20	18.5	07 31	918	1029	00 51	111	4	4	4	4	4	5	3	4	30	2	+6.4
29	02 30	641	498	15 41	143	17 20	23.9	05.6	10 32	18.3	13 39	926	1017	00 05	91	4	3	2	4	2	4	2	3	24	1	+6.4
30	02 40	634	514	15 28	120	18 11	19.1	04.8	11 54	14.3	14 45	915	995	01 59	80	3	3	4	3	3	3	3	3	25	1	+6.6

+ 16 00.0+

SENSITIVE MAGNETOGRAM

INSENSITIVE MAGNETOGRAM

NONE INCLUDED

Explanation

Instruments all standard La Cœur  
 All charts complete Greenwich days except for charts showing only part days.  
 Parallax correction to be added to times as read from the magnetogram.

Sensitive Magnetogram

Order of Traces from top to bottom,  
 1. Temperature Trace  
 2. Trace  
 3. Baseline  
 4. (Temperature trace reflection)  
 5. Baseline  
 6. Trace  
 7. Baseline and Trace.  
 Effect of temperature coefficient:  
 1. Baseline values increase with increasing temperature.  
 2. Algebraic baseline values decrease with increasing temperature.

Insensitive Magnetogram

Order of Traces from top to bottom,  
 1. Trace  
 2. Baseline, 1/2 line where double  
 3. Baseline  
 4. Trace  
 5. Trace  
 6. Trace  
 7. Baseline

Clock correct to within 30 seconds throughout

Temperature trace  
 Scale Value  
 Base Line  
 Parallax correction

0.527°C/mm  
 -31.5°C  
 + 4 minutes

Horizontal force trace  
 Scale Value  
 Base Line

4.43 Y/mm  
 1st to 7th 25485Y at 0°C  
 8th to 31st 25484Y " "

16.1 Y/mm Actual

Temperature coefficient  
 Parallax correction  
 Reflection distance:  
 Main trace to 1st refl. down

4.50 Y/°C  
 + 2 minutes  
 89.7mm

Nil

Declination trace  
 Scale Value  
 Base Line Actual

0.92 minutes arc/mm  
 1st to 6th 17°39.8'  
 7th to 22nd 17°39.7'  
 23rd to 31st 17°39.6'

2.36 minutes arc/mm

Parallax correction  
 Reflection distance:  
 Main trace to 1st refl. down

+ 2 minutes

- 1 minute

Vertical force trace  
 Scale Value  
 Base Line

2.50Y/mm  
 -36995Y at 0°C

10.9 Y/mm Actual

Temperature coefficient  
 Parallax correction  
 Reflection distances:  
 Main to 1st refl. down  
 Main to 1st refl. up

2.96 Y/°C  
 Nil  
 95.6mm  
 75.3mm

- 2 minutes

Distance between base lines

H to Z 156.1mm

D to Z



Extreme values , daily ranges , and K-indices.

December 1957.

U.T. Date.	H Maximum. 25000+			D Maximum. 17 00.0+			Z Maximum. -(33000+)			K - indices.			C figure	Mean daily temp. of variometer room. C													
	h.m.	h.m.	Range.	h.m.	h.m.	Range.	h.m.	h.m.	Range.	B	1	2			3	4	5	6	7	8	Sum.						
1 D	05 48	668	527	16 00	141	16 53	19.7	01.9	07 05	17.8	11 58	922	995	01 22	73	4	5	5	4	3	3	4	4	32	1	+6.8	
2	05 42	627	507	14 42	120	18 26	21.3	01.2	09 41	20.1	14 40	909	995	01 05	86	3	3	3	3	3	3	3	3	3	24	1	+6.4
3	02 25	628	527	13 39	101	18 45	19.4	02.5	06 58	16.9	13 26	907	987	23 51	60	2	2	3	4	4	3	3	2	23	1	+6.4	
4	22 22	628	542	13 59	84	20 10	18.4	02.1	10 03	16.3	13 40	927	991	22 23	64	2	2	2	4	2	3	3	3	32	1	+6.3	
5	23 34	639	506	13 18	133	19 18	24.3	00.2	07 41	24.1	15 00	912	1015	23 38	103	4	4	4	4	3	3	5	5	32	1	+6.5	
6 D	01 15	627	497	16 03	130	16 49	24.9	01.0	10 48	22.9	15 52	905	1008	00 01	105	3	4	4	5	4	4	4	3	31	1	+6.4	
7	21 37	618	504	12 46	114	18 21	22.3	57.5 <sup>+</sup>	07 52	24.3	12 00	907	994	00 10	87	2	3	4	5	5	3	3	3	28	1	+6.4	
8	21 37	636	516	14 55	120	18 51	19.6	04.0	11 09	15.6	15 33	921	998	21 43	77	3	3	3	3	2	2	3	4	23	1	+6.6	
9	01 07	622	506	14 32	116	17 49	21.3	57.5 <sup>+</sup>	11 14	23.8	13 58	911	990	00 40	79	3	3	2	4	3	3	3	3	24	1	+6.6	
10	22 43	662	499	15 32	163	19 33	25.9	02.3	10 21	23.6	15 15	914	1040	22 46	126	3	4	3	3	3	3	4	5	28	1	+6.5	
11 D	21 09	631	494	14 33	167	19 11	27.3	49.5 <sup>+</sup>	09 10	38.0	14 17	887	1050	21 49	163	4	5	5	5	5	4	5	5	38	2	-7.05	
12 D	18 42	617	505	14 27	112	18 24	24.1	05.0	11 19	19.1	14 20	921	1003	22 25	82	3	3	3	4	3	4	5	4	29	1	+6.8	
13	03 16	643	499	15 25	144	18 21	21.1	03.9	09 01	17.2	15 24	904	991	00 01	87	3	4	3	5	3	3	3	2	26	1	+6.5	
14	02 22	625	539	14 33	86	17 03	19.0	05.8	12 49	13.2	14 21	917	985	02 22	68	3	2	3	3	3	2	3	3	22	1	+7.2	
15	04 28	631	509	14 43	122	15 42	20.1	02.8	11 42	17.3	14 38	878	986	00 11	102	2	2	3	4	4	4	4	3	26	1	+7.85	
16	21 24	645	546	14 32	99	18 31	21.3	05.1	09 23	16.2	13 59	904	987	21 17	83	3	2	2	2	2	3	4	4	22	1	+7.6	
17	22 15	655	524	15 44	131	18 12	21.2	01.5	09 07	19.7	13 41	908	994	22 17	86	4	3	4	2	2	3	3	4	25	1	+6.5	
18	02 22	630	536	15 32	94	17 31	19.3	04.7	10 02	14.6	14 19	909	979	00 08	70	3	3	2	3	3	2	2	3	21	0	+6.6	
19	21 34	645	557	20 37	88	18 47	21.9	57.4 <sup>+</sup>	09 47	24.5	12 48	896	1001	21 37	105	3	3	3	4	3	3	3	5	29	1	+8.0	
20	21 46	663	510	14 37	153	18 03	23.1	03.5	09 52	19.6	11 23	905	1029	21 46	124	4	4	4	4	3	4	5	5	33	1	+8.3	
21	04 47	640	529	13 09	111	18 28	19.7	03.5	07 40	16.2	16 45	916	979	23 59	63	3	4	4	3	2	2	3	4	25	1	+7.1	
22 Q	01 54	622	517	14 15	105	18 03	20.7	05.7	08 45	15.0	11 35	918	979	00 02	61	2	1	2	2	2	1	2	1	13	0	+6.7	
23 Q	03 17	630	524	15 12	106	17 22	16.7	03.2	10 03	13.5	14 54	913	972	01 37	59	2	1	1	2	2	2	2	2	14	0	+6.7	
24	05 49	631	535	13 31	96	17 22	20.4	02.2	10 07	18.2	15 08	901	970	21 10	69	2	2	2	3	3	3	4	3	22	1	+6.8	
25	03 23	661	534	13 35	127	18 31	25.2	03.4	08 52	21.8	13 10	902	1005	21 38	103	3	4	4	3	3	3	5	5	30	1	+6.9	
26	03 04	641	503	13 32	138	18 20	24.2	02.1	08 22	22.1	13 57	884	974	23 45	90	4	3	3	4	4	3	3	4	28	1	+7.0	
27 Q	02 37	625	522	14 22	103	18 41	19.8	03.6	09 41	16.2	13 14	908	983	23 03	75	3	2	2	2	3	2	4	3	21	1	+6.9	
28 Q	06 36	627	541	14 22	86	17 03	18.3	03.4	10 11	14.9	13 40	910	960	01 16	50	3	2	2	2	1	2	4	3	19	1	+6.7	
29 Q	21 03	639	543	14 20	96	17 56	19.0	04.9	09 41	14.1	13 49	904	980	22 39	76	2	2	3	3	2	3	3	4	22	1	+6.5	
30	05 42	639	525	14 32	134	17 20	19.8	59.6 <sup>+</sup>	09 44	20.2	14 33	901	971	01 43	70	3	4	4	5	4	3	3	3	29	1	+6.4	
31 D	21 40	659	457	13 33	202	19 36	30.5	54.2 <sup>+</sup>	08 01	36.3	10 00	847	1103	21 44	256	4	4	4	5	4	4	5	6	36	2	+6.3	

<sup>+</sup> 16 00.0+

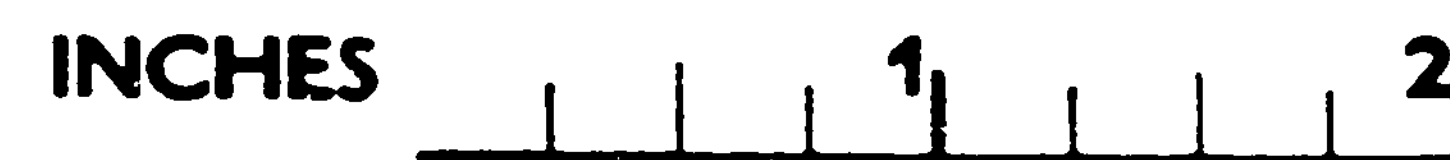
# 'RECORDAK' MICROFILM SERVICE

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\_\_\_\_\_ *CHARTS* \_\_\_\_\_

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**KODAK LTD. RECORDAK DIVISION LONDON**