

SPECIAL GEOMAGNETIC EVENTS  
Normal magnetograms

Sudden commencements (SC):

		X(nT)	Y(nT)	Z(nT)
08 Jan 06:45 UT	SSC A			
	45.8 ±.2	+8	+4	+1
	46.3 ±.2	+8	-9	-3
	47.0 ±.2	-9	-3	-2

PULSATIONS

from normal recordings:

Day	Onset	End	Qual	Period	Amplitude nT
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pc 4:

1	0600	1110	C	45-150	8
2	0430	1600	B	45-150	7
15	0420	1500	B	45-150	8
16	0450	1530	B	45-150	8
21	0715	1800	B	45-150	8
22	0420	1725	B	45-150	8
26	0620	1800	B	45-150	8
29	0345	1735	C	45-150	7

pc 5:

8	0645	2015	B	150-360	10
9	0525	1715	B	150-360	12
13	0505	1450	C	150-360	10
14	0300	1310	B	150-360	12
19	0210	1930	B	150-360	10
30	0355	1920	C	150-360	8

SPECIAL GEOMAGNETIC EVENTS  
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Sudden commencements (SC):

			X(nT)	Y(nT)	Z(nT)
15 Feb	08:37 UT	SSC A			
	37.8 ±.2		+6	-11	-2
	39.2 ±.2		+3	-1	-1
	40.7 ±.2		-3	+16	+2

PULSATATIONS

from normal recordings:

Day	Onset	End	Qual	Period	Amplitude nT
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pc 4:

10	0445	1505	C	45-150	7
17	0030	1645	B	45-150	12
18	0715	1450	B	45-150	12
19	0125	1405	B	45-150	12
20	0015	1445	C	45-150	7
23	0400	1700	B	45-150	9
24	0535	1400	B	45-150	12

pc 5:

6	0245	1220	C	150-360	10
8	0120	1210	C	150-360	10
12	0230	1445	C	150-360	9
15	1150	1600	C	150-360	12
27	0525	1255	B	150-360	15

SPECIAL GEOMAGNETIC EVENTS  
Normal magnetograms

Sudden commencements (SC):

			X(nT)	Y(nT)	Z(nT)
09 Mar	18:06 UT	SSC B			
	06.2 ±.2		+15	-4	+1
	09.3 ±.2		-1	-12	-6
	10.3 ±.2		+9	+8	-8

PULSATATIONS

from normal recordings:

Day	Onset	End	Qual	Period	Amplitude nT
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pc 4:

4	0430	1710	B	45-150	8
11	0730	1345	B	45-150	8
12	1145	2115	C	45-150	6
16	0530	1145	C	45-150	7
17	0340	1730	B	45-150	9
19	0220	1705	B	45-150	10
24	0200	1245	B	45-150	7
25	0340	1450	C	45-150	8
27	0255	1515	B	45-150	9
29	0045	2030	B	45-150	8

pc 5:

6	0935	1645	B	150-360	12
30	0605	1435	C	150-360	12
31	0205	1720	B	150-360	12

SPECIAL GEOMAGNETIC EVENTS  
Normal magnetograms

Sudden commencements (SC):

			X(nT)	Y(nT)	Z(nT)
20 Apr	00:20 UT	SSC A			
	20.8 ±.2		-3	-1	-1
	21.8 ±.2		+37	-11	-11

PULSATATIONS

from normal recordings:

Day	Onset	End	Qual	Period	Amplitude nT
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pc 4:

1	0110	2130	B	45-150	9
2	0105	1145	B	45-150	9
6	0250	1100	C	45-150	6
8	0712	1115	C	45-150	7
10	0520	1310	B	45-150	12
11	0445	1700	B	45-150	15
12	0330	1515	B	45-150	12
14	0700	1155	C	45-150	6
21	0145	0800	B	45-150	12
26	0155	0600	C	45-150	9
28	0645	1420	C	45-150	6

pc 5:

2	1145	1615	C	150-360	15
4	0300	1645	B	150-360	12
20	0345	1430	B	150-360	20
21	0805	1515	B	150-360	15
29	0155	1820	B	150-360	12
30	0205	1650	B	150-360	12

SPECIAL GEOMAGNETIC EVENTS  
Normal magnetograms

Sudden commencements (SC):

			X(nT)	Y(nT)	Z(nT)
05 May	10:24 UT	SSC A			
	24.5 ±.2		-1	-2	+1
	25.0 ±.2		+12	-4	-3
	25.7 ±.2		-7	-4	+5
	26.3 ±.2		-32	+30	+23

PULSATATIONS

from normal recordings:

Day	Onset	End	Qual	Period	Amplitude nT
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pc 4:

10	0305	1510	B	45-150	10
12	0055	1525	B	45-150	10
13	0615	1435	C	45-150	8
19	0605	1800	B	45-150	6
25	0135	1430	B	45-150	6

pc 5:

1	0430	1935	C	150-360	12
2	0025	1325	B	150-360	18
3	0012	1530	B	150-360	15
4	0655	1600	C	150-360	15
5	0925	1430	C	150-360	12
6	0410	1755	B	150-360	35
7	0520	1615	B	150-360	20
8	0430	1600	C	150-360	15
9	0425	1440	B	150-360	20
22	0700	2015	C	150-360	9
23	0445	1605	B	150-360	18
24	0700	1855	C	150-360	12
26	0145	0715	C	150-360	9

SPECIAL GEOMAGNETIC EVENTS  
Normal magnetograms

Sudden commencements (SC):

None.

PULSATATIONS

from normal recordings:

Day	Onset	End	Qual	Period	Amplitude nT
-----	-------	-----	------	--------	-----------------

pc 4:

4	0200	1305	B	45-150	10
6	0035	1100	C	45-150	8
19	0215	1155	B	45-150	9
21	2105	2355	C	45-150	8
22	0005	2000	B	45-150	7
24	0005	1345	C	45-150	8
27	0315	1140	B	45-150	10

pc 5:

1	0410	1430	B	150-360	20
2	0335	1400	B	150-360	20
3	0330	1535	B	150-360	20
20	0615	1330	C	150-360	12

SPECIAL GEOMAGNETIC EVENTS  
Normal magnetograms

Sudden commencements (SC):

None.

PULSATIONS

from normal recordings:

Day	Onset	End	Qual	Period	Amplitude nT
-----	-------	-----	------	--------	-----------------

pc 4:

1	0315	1045	B	45-150	10
2	0115	1550	B	45-150	9
7	0200	1000	C	45-150	8
17	0440	1000	C	45-150	9
26	0320	1815	B	45-150	8
27	0730	1140	C	45-150	6
28	0225	1015	C	45-150	6

pc 5:

4	0310	1200	C	150-360	10
10	0200	1150	C	150-360	12
11	0200	1730	B	150-360	20
12	0750	1615	C	150-360	10
16	0800	1440	C	150-360	10
20	0312	1815	C	150-360	10
21	0645	1350	C	150-360	10
24	0805	1430	C	150-360	15

SPECIAL GEOMAGNETIC EVENTS  
Normal magnetograms

Sudden commencements (SC):

None.

PULSATATIONS

from normal recordings:

Day	Onset	End	Qual	Period	Amplitude nT
-----	-------	-----	------	--------	-----------------

pc 4:

4	0350	1910	B	45-150	12
9	0320	2000	B	45-150	6
11	0010	0945	C	45-150	10
14	0005	1500	B	45-150	9
19	0720	1210	B	45-150	9
21	0245	1200	B	45-150	10
22	0012	1150	C	45-150	6
28	0150	1600	B	45-150	15
30	0415	0845	C	45-150	9

pc 5:

3	0240	1720	B	150-360	15
7	0150	1545	B	150-360	12
15	0020	1155	B	150-360	15
18	0725	1625	B	150-360	12
20	0415	1712	B	150-360	15
24	0330	1615	C	150-360	9
25	0745	1315	B	150-360	12
27	0355	1355	B	150-360	18
29	0355	1715	B	150-360	15



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Normal magnetograms

Sudden commencements (SC):

None.

PULSATATIONS

from normal recordings:

Day	Onset	End	Qual	Period	Amplitude nT
-----	-------	-----	------	--------	-----------------

pc 4:

4	0010	1005	B	45-150	12
7	0020	1745	B	45-150	7
9	0002	1000	B	45-150	9
13	0115	1555	B	45-150	10
14	0357	1545	B	45-150	15
15	0200	1700	B	45-150	12
16	0405	2145	C	45-150	8
19	0400	1630	B	45-150	10
24	0325	1440	B	45-150	7
27	0405	1515	C	45-150	6
28	1100	2000	B	45-150	10
30	0430	1615	B	45-150	7

pc 5:

8	0400	1730	C	150-360	12
11	0240	1435	B	150-360	30
12	0400	1600	C	150-360	15
17	0355	1550	C	150-360	10
18	0335	1125	B	150-360	12
25	0400	1555	B	150-360	15

SPECIAL GEOMAGNETIC EVENTS  
Normal magnetograms

Sudden commencements (SC):

None.

PULSATATIONS

from normal recordings:

Day	Onset	End	Qual	Period	Amplitude nT
-----	-------	-----	------	--------	-----------------

pc 4:

2	0705	1415	B	45-150	12
11	0615	1555	B	45-150	12
14	0500	2230	B	45-150	10
15	0450	1550	B	45-150	12
16	0500	1155	B	45-150	9
18	0030	1115	B	45-150	8

pc 5:

5	0400	1640	B	150-360	10
7	0715	1400	C	150-360	15
8	0135	1200	B	150-360	18
9	0255	1545	B	150-360	20

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Normal magnetograms

Sudden commencements (SC):

None.

PULSATATIONS

from normal recordings:

Day	Onset	End	Qual	Period	Amplitude nT
-----	-------	-----	------	--------	-----------------

pc 4:

3	0005	0630	C	45-150	8
10	0815	1820	B	45-150	9
11	0335	1420	B	45-150	9
12	0200	1955	B	45-150	12
20	0005	0600	B	45-150	9
21	0050	0955	B	45-150	8

pc 5:

1	0610	1240	B	150-360	15
5	0200	1400	B	150-360	20
22	0555	1230	C	150-360	12

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Sudden commencements (SC):

None.

PULSATATIONS

from normal recordings:

Day	Onset	End	Qual	Period	Amplitude nT
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pc 4:

6	0705	1045	C	45-150	6
10	0305	1635	B	45-150	20
19	0805	2000	C	45-150	8
20	0210	1400	B	45-150	12
21	0500	1115	C	45-150	6
23	0600	1245	C	45-150	6
29	0410	1800	B	45-150	8
30	0455	1200	B	45-150	8
31	0715	1805	B	45-150	9

pc 5:

7	0555	1630	C	150-360	10
9	1240	1635	C	150-360	12
28	0640	1500	B	150-360	20
30	1310	1620	B	150-360	15