MISSN JUN-OCT

SERVIÇO METEOROLÓGICO DE ANGOLA

CENTRO GEOFÍSICO DE BELAS

L U A N D A

φ = 8° 55' S; λ = 13° 10'E; h= 53 ϕ = 7° 11'S; Λ =80° 33' E

J A N U A R Y 1976

GEOMAGNETIC BULLETIN

LUANDA

Scale values of the Askania variometers:

e_D = 3,6 γ/mm; e_H = 3,5 γ/mm; e_Z = 3,4 γ/mm

Time scale of variometers: 20 mm/h

Range for K = 9;350 γ

INDICES OF GEOMAGNETIC ACTIVITY

GR	K - Indices for three-hour interval										Car. 0.1.2
DAY 1976	h- 00 h- 03	h- 03 h- 06	h- 06 h- 09	h- 09 h- 12	h- 12 h- 15	h- 15 h- 18	h- 18 h- 21	h- 21 h- 24	SUM		FULL DAY
1	1	1	1	0	2	0	0	0	5		0
2	0	0	1	0	0	0	1	1	3		0
3	1	2	1	2	3	2	2	0	13		1
4	0	1	0	1	2	2	2	1	9		0
5	1	0	1	2	1	0	0	1	6		0
6	2	1	1	0	2	4	3	3	16		1
7	1	0	2	2	2	1	0	0	8		0
8	0	0	0	1	0	1	0	0	2		0
9	1	1	0	1	0	0	0	1	4		0
10	0	0	2	3	4	6	6	6	27		2
11	5	4	-	4	4	4	4	4	-		-
12	3	2	3	3	3	2	2	2	20		1
13	1	0	2	2	2	0	1	1	9		0
14	0	2	2	2	2	2	1	1	12		1
15	0	1	2	2	0	2	2	1	10		0
16	1	1	0	2	2	1	2	3	12		1
17	1	1	2	1	2	1	3	3	14		1
18	0	1	1	2	2	0	1	0	7		0
19	0	1	1	2	2	2	1	1	10		0
20	2	1	2	2	3	1	1	0	12		1
21	1	1	1	1	4	4	3	2	17		1
22	2	2	1	-	3	4	4	2	-		-
23	2	2	2	0	3	2	2	2	15		1
24	3	2	2	2	3	3	1	0	16		1
25	2	1	0	1	2	1	0	1	8		0
26	1	1	0	1	2	0	0	0	5		0
27	0	1	2	2	1	1	1	1	9		0
28	1	1	2	1	1	1	1	1	9		0
29	1	0	0	2	2	1	1	1	8		0
30	0	0	1	2	2	2	2	3	12		1
31	1	1	0	1	5	4	2	1	18		1

	DAILY MEAN		
	D	H	Z
1	-11° 00',4	23 465	-22 567
2	-10° 59,6	463	570
3	59,8	459	572
4	11° 00,1	459	571
5	00,	448	576
6	10° 59,6	459	572
7	59,6	447	576
8	59,8	454	573
9	59,8	455	571
10	58,4	396	576
11	59,2	378	573
12	59,5	411	573
13	58,8	428	570
14	59,6	432	568
15	59,3	439	565
16	59,8	444	571
17	59,1	436	569
18	59,2	438	572
19	59,2	456	570
20	59,2	464	574
21	58,7	452	572
22	59,2	441	578
23	58,6	441	577
24	59,8	446	578
25	59,2	445	580
26	58,8	459	582
27	59,5	453	578
28	59,2	458	583
29	59,3	455	581
30	59,6	459	586
31	58,8	448	585

SUDDEN COMMENCEMENTS AND BAYS				
DAY	TIME (GMT)	TYPE	Quality A.B.C.	Sense of chief Movement D.H.Z
10	06h21m	SSC	A	- + -
12	23 29	si	A	± + ±
16	02 00	bp	B	- + -
19	16 45	si	B	+ + -
20	17 44	si	B	+ + +

pi, pc

DAY	TIME (GMT) Begin	TIME (GMT) End	TYPE	QUALITY A,B,C	LARGEST OSCILLATIONS Period	LARGEST OSCILLATIONS Range	REMARKS
01	10h 28m	10h 43m	Pc4	B			
01	15 13	16 10	Pc4	A			
03	02 06	02 15	Pc4	B			
04	20 45	21 00	Pi2	B			
09	18 14	18 48	Pc4	B			
14	22 14	22 45	Pc4	B			
15	23 06	23 17	Pi2	B			
16	19 25	19 55	Pc4	A			
17	02 01	02 14	Pi2	B			
20	01 36	01 42	Pi2	A			
20	04 33	04 58	Pc4	A			
22	02 50	03 06	Pi2	B			
30	21 42	22 03	Pi2	B			

SERVIÇO METEOROLÓGICO DE ANGOLA

CENTRO GEOFÍSICO DE BELAS

L U A N D A

φ = 8° 55' S; λ = 13° 10' E; h = 53 ϕ = 7° 11' S; Λ = 80° 33' E

FEBRUARY 1976

Geomagnetic Bulletin

LUANDA

Scale values of the Askania variometers:

e_D = 3,6 γ /mm; e_H = 3,5 γ /mm; e_Z = 3,4 γ /mm:

Time scale of variometers: 20 mm/h.

Range for K = 9: 350 γ

INDICES OF GEOMAGNETIC ACTIVITY

GR DAY 1976	00 h - 03 h	03 h - 06 h	06 h - 09 h	09 h - 12 h	12 h - 15 h	15 h - 18 h	18 h - 21 h	21 h - 24 h	SUM		Char. 0.1.2 FULL DAY
1	1	2	1	2	3	3	3	2	17		1
2	1	1	1	2	3	1	2	2	13		1
3	1	1	0	1	2	1	1	2	9		0
4	1	0	1	0	1	1	2	2	8		0
5	1	1	0	1	1	2	-	-	-		-
6	-	-	-	-	-	-	-	-	-		-
7	-	-	-	-	-	-	-	-	-		-
8	-	-	-	-	-	-	-	-	-		-
9	-	-	-	-	-	-	-	-	-		-
10	-	-	-	-	-	-	-	-	-		-
11	-	-	-	-	-	-	-	-	-		-
12	-	-	-	2	2	1	3	1	-		-
13	3	1	1	1	3	3	1	2	15		1
14	1	1	0	0	2	3	1	1	9		0
15	2	2	1	2	2	1	0	0	10		0
16	0	0	1	1	2	3	2	0	9		0
17	1	2	1	2	2	1	2	3	14		1
18	2	2	1	2	3	1	1	1	13		0
19	2	2	2	2	3	2	4	3	20		1
20	2	2	0	2	3	3	1	1	14		1
21	0	1	2	3	2	3	3	1	15		1
22	1	1	1	1	1	0	1	1	7		0
23	1	1	0	0	1	0	0	0	3		0
24	0	1	0	0	2	2	2	0	7		0
25	0	0	0	1	0	1	1	2	5		0
26	2	1	0	2	1	1	1	2	10		0
27	1	1	1	1	4	5	5	4	22		1
28	1	1	1	1	2	1	2	3	12		1
29	3	3	3	2	1	1	2	4	19		1

DAY	DAILY MEAN		
	D	H	Z
1	-10° 00,2′	23 438	-22 577
2	00,3	442	581
3	-09 59,7	446	578
4	-10 00,3	447	579
5	00,6	449	581
6	=	=	=
7	=	=	=
8	=	=	=
9	=	=	=
10	=	=	=
11	-	-	-
12	-09 59,2	449	584
13	-10 00,3	444	584
14	00,3	443	582
15	00,0	446	579
16	00,9	454	585
17	-09 59,9	452	581
18	-10 00,4	449	583
19	00,0	446	584
20	-09 56,0	443	587
21	59,8	448	589
22	59,8	456	589
23	-10 00,2	454	588
24	-09 59,8	465	592
25	-10 00,2	464	585
26	00,5	463	593
27	-09 59,5	433	590
28	59,9	424	595
29	59,4	442	596

SUDDEN COMMENCEMENTS AND BAYS				
DAY	TIME (GMT)	TYPE	Quality A.B.C.	Sense of chief Movement D H Z
01	18h 59m	si	B	+ + =
13	21 23	si	B	+ ± -
17	12 04	SSC	B	+ - ±
27	14 17	si	A	- = -
28	23 54	si	A	+ - -

pi, pc							
DAY	TIME (GMT)		T Y P E	QUALITY A.B,C	LARGEST OSCILLATIONS		REMARKS
	Begin	End			Period	Range	
01	06h 46m	07h26m	Pc2	B			
02	12 31	12 40	pi2	B			
04	00 49	01 02	pc5	B			
12	21 17	21 31	pc4	A			
13	21 13	21 24	pc5	B			
14	15 27	17 19	pc4	A			
17	23 06	23 15	pi2	B			
18	10 00	10 11	pi2	A			
21	12 03	12 26	pc4	B			
22	13 10	14 17	pc4	B			
25	03 02	03 23	pc5	A			
25	07 45	08 06	pc4	A			

SERVICO METEOROLÓGICO DE ANGOLA

CENTRO GEOFÍSICO DE BELAS

L U A N D A

φ = 8° 55'S; λ = 13° 10'E; h= 53 ϕ = 7° 11'S; Λ = 80° 33' E

MARCH 1976

Geomagnetic Bulletin

LUANDA

Scale values of the Askania variometers:

e_D = 3,6 γ /mm; e_H = 3,5 γ /mm; e_Z = 3,4 γ /mm

Time scale of variometers: 20 mm/h.

Range for k = 9;350 γ

INDICES OF GEOMAGNETIC ACTIVITY

GR	K - Indices for tree-hour interval										Char. 0.1.2.
DAY 1976	h- 00 h- 03	h- 03 h- 06	h- 06 h- 09	h- 09 h- 12	h- 12 h- 15	h- 15 h- 18	h- 18 h- 21	h- 21 h- 24	SUM		FULL DAY
1	0	1	-	1	1	1	1	2	4		-
2	3	1	2	2	3	3	4	3	21		1
3	3	1	2	2	2	2	3	3	18		1
4	2	2	1	1	1	1	0	1	9		0
5	2	1	0	1	1	2	2	3	12		1
6	2	1	1	2	3	4	3	3	19		1
7	2	1	2	2	1	2	2	2	14		1
8	3	0	3	3	2	2	2	4	19		1
9	3	3	1	0	1	4	3	4	19		1
10	1	1	0	1	3	3	3	4	16		1
11	3	3	2	2	2	2	1	3	18		1
12	4	1	2	2	1	1	1	3	15		1
13	3	1	2	2	2	1	1	1	13		1
14	2	2	0	0	1	0	0	1	6		0
15	1	2	0	0	2	2	3	4	14		1
16	1	1	0	0	2	1	3	1	9		0
17	3	1	0	2	4	1	2	3	14		1
18	2	1	1	0	0	0	1	2	7		0
19	1	1	1	0	1	0	2	0	6		0
20	0	0	1	-	2	0	0	1	-		-
21	1	1	-	1	0	1	0	1	-		-
22	1	1	1	1	0	0	0	1	5		0
23	0	0	1	2	1	1	1	2	8		0
24	1	0	0	0	0	0	0	1	2		0
25	1	0	0	1	1	0	1	2	6		0
26	2	4	6	6	7	7	6	5	43		2
27	4	3	2	3	3	4	3	3	25		2
28	3	1	1	2	2	2	1	1	13		1
29	1	1	2	2	1	0	0	1	8		0
30	0	0	0	1	3	2	2	3	11		1
31	0	0	1	1	2	2	2	2	10		0

DAY	DAILY MEAN			SUDDEN COMMENCEMENTS AND BAYS				
	D	H	Z	DAY	TIME (GMT)	TYPE	Quality A.B.C.	Sense of chief Movement D H Z
1	-09° 58,7	-23 427	-22 581	03	22h54m	si	B	- + =
2	59,2	425	575	08	22 18	si	B	± + =
3	58,8	430	575	10	22 30	si	B	- + =
4	59,7	429	570	12	21 33	bps	A	± ± =
5	59,3	437	573	15	21 35	si	B	- = -
6	59,1	429	573	23	08 40	bps	A	+ = +
7	59,5	423	582	25	23 36	ssc	A	+ - +
8	58,4	417	577					
9	59,1	423	579					
10	58,8	427	577					
11	59,3	420	576					
12	58,4	425	584					
13	58,7	432	584					
14	59,2	435	586					
15	59,0	439	581					
16	59,5	440	583					
17	58,9	439	586					
18	59,1	442	588					
19	59,0	445	587					
20	58,9	428	587					
21	58,0	442	587					
22	59,0	454	591					
23	58,3	458	590					
24	58,3	452	588					
25	59,1	473	594					
26	57,9	294	603					
27	58,2	371	597					
28	58,0	393	596					
29	58,4	406	598					
30	58,8	418	596					
31	58,5	428	594					

pi, pc

DAY	TIME (G T) Begin	TIME (G T) End	TYPE	Quality A.B.C	LARGEST OSCILLATIONS Period	LARGEST OSCILLATIONS Range	REMARKS
01	20h 00m	20h09m	Pi_2	B			
06	05 26	06 49	pc_4	B			
16	04 50	05 00	pi_2	B			
16	14 33	14 46	Pi_2	A			
16	14 50	15 09	pi_2	A			
22	14 22	15 40	pc_4	B			
24	00 44	01 08	pc_5	B			

SERVIÇO METEOROLÓGICO DE ANGOLA

CENTRO GEOFÍSICO DE BELAS

L U A N D A

φ = 8° 55' S; λ = 13° 10'E; h= 53 ϕ = 7° 11'S; λ =80° 33'E

APRIL 1976

Geomagnetic Bulletin

LUANDA

Scale values of the Askania variometers:

e_D = 3,6 γ /mm; e_H = 3,5 γ /mm; e_Z = 3,4 γ /mm

Time scale of variometers: 20 mm/h

Range for K = 9; 350γ

INDICES OF GEOMAGNETIC ACTIVITY

GR	K - Indices for three-hour interval										char. 0.1.2
DAY 1976	h- 00 h 03	h- 03 h 06	h- 06 h 09	h- 09 h 12	h- 12 h 15	h- 15 h 18	h- 18 h 21	h- 21 h 24	SUM		FULL DAY
1	4	5	6	6	6	5	5	4	41		2
2	2	1	2	2	3	3	3	3	19		1
3	2	2	4	3	5	5	4	4	29		2
4	4	2	1	2	3	2	1	3	18		1
5	3	3	2	1	2	2	3	2	18		1
6	2	1	1	2	3	3	2	2	16		1
7	3	2	2	2	3	1	0	1	14		1
8	3	1	1	0	1	1	2	2	11		1
9	2	2	0	0	-	-	-	-	-		-
10	-	-	-	1	0	0	0	1	-		-
11	1	1	1	2	3	2	1	2	13		1
12	1	1	1	1	0	0	1	1	6		0
13	2	0	0	1	2	1	1	2	9		0
14	1	1	1	1	2	1	1	1	9		0
15	1	0	1	1	0	0	0	0	3		0
16	1	1	1	2	0	-	-	-	-		-
17	-	-	-	-	-	-	-	-	-		-
18	-	-	-	-	0	0	0	0	0		0
19	0	1	1	1	1	2	1	0	7		0
20	0	0	1	0	0	0	0	0	1		0
21	0	0	1	3	2	1	0	2	9		0
22	2	2	3	3	2	2	2	2	18		1
23	1	0	0	0	1	1	0	1	4		0
24	1	2	2	2	2	0	1	1	11		1
25	0	1	1	1	1	0	0	1	5		0
26	1	1	1	2	2	2	0	0	9		0
27	1	1	2	1	1	1	1	1	9		0
28	1	0	1	1	0	1	1	2	7		0
29	0	0	1	2	2	4	4	4	17		1
30	1	1	2	1	1	0	1	0	7		0

DAY	DAILY MEAN			SUDDEN COMMENCEMENTS AND BAYS				
	D	H	Z	DAY	TIME (GMT)	TYPE	Quality A.B.C.	Sense of chief Movement D H Z
1	-09° 55,6	23 303	22 594	01	02h 53		B	+ + -
2	56,6	376	587	02	17 44	SSC	B	± + -
3	56,5	363	587	08	20 29	gp	A	- + -
4	57,0	383	584	09	02 29	bps	A	+ + ±
5	56,3	400	584	21	22 11	ssc	B	+ + -
6	57,1	401	585					
7	56,9	406	589					
8	56,5	413	590					
9	-	-	-					
10	-09 55,6	430	590					
11	56,4	432	592					
12	56,0	448	588					
13	57,1	434	586					
14	56,2	430	587					
15	56,4	438	585					
16	56,2	451	585					
17	-	-	-					
18	-	-	-					
19	56,3	441	580					
20	56,4	454	581					
21	56,3	444	579					
22	55,8	428	584					
23	56,0	435	584					
24	56,0	425	584					
25	55,8	422	586					
26	56,1	435	584					
27	55,6	440	586					
28	55,2	440	562					
29	55,8	426	588					
30	56,2	420	591					

pi , pc

DAY	TIME (GMT) Begin	TIME (GMT) End	TYPE	Quality A,B,C	LARGEST OSCILLATIONS Period	LARGEST OSCILLATIONS Range	REMARKS
01	00h 34m	00h 45m	pi_2	B			
04	00 14	00 19	pi_2	B			
05	15 35	16 05	pc_4	B			
06	11 05	11 15	pi_2	A			
08	23 15	23 30	pi_2	A			
07	14 37	15 13	pc_4	B			
08	09 26	12 26	pc_2	B			
11	00 29	00 54	pi_2	A			
13	00 47	01 25	pc_4	A			
15	15 29	17 07	pc_4	A			
15	23 29	23 48	pi_2	B			
16	03 09	03 31	pc_4	B			
22	02 39	03 29	pc_5	A			
28	21 30	21 45	pi_2	A			

SERVIÇO METEOROLÓGICO DE ANGOLA

CENTRO GEOFÍSICO DE BELAS

φ = 8° 55' S; λ = 13° 10' E; L_h = 53 m; $\Delta\varphi$ = 7° 11' S; $\Delta\lambda$ = 80° 33' E

MAY 1976

Geomagnetic Bulletin

LUANDA

Scale values of the Askania variometers:

e_D = 3,6 ɣ /mm; e_H = 3,5 ɣ /mm; e_Z = 3,4 ɣ /mm

Time scale of variometers: 20 mm/h.

Rango for K = 9;350 ɣ

INDICES OF GEOMAGNETIC ACTIVITY

GR DAY 1976	K Indices for three-hour interval 00 h 03	03 h 06	06 h 09	09 h 12	12 h 15	15 h 18	18 h 21	21 h 24	SUM		Char. 0.1.2 FULL DAY
1	2	1	0	1	1	2	1	2	10		0
2	1	1	1	3	4	2	4	5	21		1
3	6	4	4	5	3	3	4	3	32		2
4	2	2	3	2	2	3	3	3	20		1
5	2	2	2	1	2	3	1	2	15		1
6	2	2	1	1	1	1	0	1	9		0
7	3	1	1	0	2	2	1	3	13		1
8	3	3	1	1	2	2	1	0	13		1
9	2	1	0	0	1	1	0	0	5		0
10	0	0	1	1	3	1	0	0	6		0
11	0	0	1	2	1	1	2	2	9		0
12	0	0	1	1	0	1	1	3	7		0
13	1	2	1	1	2	2	0	1	10		0
14	1	0	1	1	0	0	0	1	4		0
15	1	0	0	1	1	2	1	2	8		0
16	2	1	2	2	2	0	1	2	12		1
17	2	2	1	1	1	1	1	2	11		1
18	1	1	0	0	0	0	0	1	3		0
19	1	1	0	1	1	2	2	2	10		0
20	2	3	2	1	2	3	3	0	16		1
21	2	2	2	1	2	-	1	1	-		-
22	2	2	1	1	2	2	1	1	12		1
23	0	0	1	0	3	3	2	1	10		0
24	0	1	2	1	2	1	1	1	9		0
25	1	2	1	2	3	3	2	1	15		1
26	1	1	1	1	2	2	0	0	8		0
27	1	1	1	1	2	2	1	1	10		0
28	2	-	-	-	-	-	-	-	-		-
29	-	-	-	-	-	-	-	-	-		-
30	-	-	-	-	-	-	-	-	-		-
31	-	-	-	-	-	-	-	-	-		-

MAY 1973

DAY	DAILY MEAN D	H	Z	SUDDEN COMMENCE ENTS AND BAYS DAY	TIME (GMT)	TYPE	Quality A.B.C.	Sense of chief movement D H Z
1	-09° 58,3	23 431	-22 588	02	18h28m	si	A	+ + =
2	57,8	417	589	07	00 12	bs	A	+ + +
3	55,9	374	589	15	23 00	bps	B	+ + =
4	54,9	394	591					
5	57,1	401	587					
6	57,1	417	590					
7	57,6	420	587					
8	57,0	442	590					
9	57,3	416	591					
10	57,1	436	593					
11	57,2	432	593					
12	57,6	432	596					
13	57,4	445	599					
14	57,2	439	593					
15	57,9	449	590					
16	57,2	450	583					
17	57,0	449	591					
18	57,4	451	588					
19	57,4	451	588					
20	56,5	437	588					
21	56,7	400	584					
22	56,8	435	582					
23	56,7	426	582					
24	57,4	440	579					
25	57,2	442	579					
26	56,8	444	580					
27	56,6	441	575					
28	-	-	-					
29	-	-	-					
30	-	-	-					
31	-	-	-					

pi , pc

DAY	TIME (GMT) Begin	TIME (GMT) End	TYPE	Quality A,B,C	LARGEST OSCILLATIONS Period	LARGEST OSCILLATIONS Range	REMARKS
06	21h 14m	21h58m	pc_4	B			
07	23 13	23 21	pi_2	A			
12	22 47	23 00	pi_2	A			
14	01 22	01 43	pc_4	A			
19	20 06	20 25	pc_4	B			
21	21 36	21 49	pi_2	A			
25	00 23	00 40	pc_4	A			
26	02 05	02 30	pc_4	A			
27	05 06	07 24	pc_4	A			

SERVIÇO METEOROLÓGICO DE ANGOLA

CENTRO GEOFISICO DE BELAS

L U A N D A

φ = 8° 55' S; λ = 13° 10'E; h= 53mm Φ = 7° 11'S; Λ = 80° 33'E

NOVEMBER 1976

Geomagnetic Bulletin

LUANDA

Scale values of the Askania variometers:

e_D = 3,6 γ/mm; e_H = 3,5 γ/mm; e_Z = 3,4 γ/mm

Time scale of variometers: 20 mm/h.

Range for K = 9;350 γ

INDICES OF GEOMAGNETIC ACTIVITY

GR DAY 1976	K - Indices for three-hour interval									Char. 0.1.2
	00h-03h	03h-06h	06h-09h	09h-12h	12h-15h	15h-18h	18h-21h	21h-24h	SUM	FULL
1	1	1	2	2	0	0	0	0	6	0
2	1	1	0	1	1	1	1	1	7	0
3	2	1	1	1	1	1	1	2	10	0
4	1	1	0	1	1	1	1	1	7	0
5	0	0	1	0	1	0	0	1	3	0
6	1	1	0	0	1	1	1	0	5	0
7	1	1	-	-	-	-	-	-	-	-
8	-	-	0	1	1	2	2	2	-	-
9	3	2	0	0	1	1	0	1	8	0
10	1	0	1	3	3	2	3	2	15	1
11	1	1	1	2	4	4	2	2	17	1
12	2	0	1	2	2	2	3	2	14	1
13	1	1	1	2	3	3	3	2	16	1
14	2	1	1	1	3	1	1	1	11	1
15	2	1	1	0	1	0	1	0	6	0
16	1	1	1	1	0	0	0	1	5	0
17	1	0	1	1	1	1	1	0	6	0
18	1	0	1	0	0	0	0	2	3	0
19	1	0	0	0	0	2	2	2	7	0
20	1	0	1	1	1	0	2	0	6	0
21	0	0	1	0	1	0	1	1	4	0
22	0	1	0	1	1	1	0	0	4	0
23	1	1	1	0	0	1	0	0	4	0
24	0	0	0	0	1	1	0	0	2	0
25	1	2	1	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-
28	-	-	-	1	1	1	0	0	-	-
29	0	0	2	2	1	1	1	1	8	0
30	1	2	1	1	1	2	1	2	11	1

DAY	DAILY MEAN D	H	Z	SUDDEN COMMMENCEMENTS AND BAYS DAY	TIME (GMT)	TYPE	Quality A.B.C	Sense of chief Movement D H Z
					h m			
1	-09° 52,4	23 386	-22 625	02	02 28	b	B	+ + +
2	526	390	625	02	23 57	bp	A	+ + -
3	521	406	623					
4	527	409	622	15	20 32	bp	A	+ +
5	528	415	619	18	01 08	bp	B	±
6	523	413	618	20	20 09	bp	B	- + -
7	-	-	-	21	22 32	bp	B	+ + -
8	-09° 521	23 411	-22 619					
9	527	402	624					
10	528	402	629					
11	523	380	631					
12	524	384	632					
13	523	381	634					
14	522	388	634					
15	516	390	636					
16	523	392	636					
17	527	390	647					
18	520	399	650					
19	527	410	651					
20	523	409	652					
21	528	412	655					
22	526	418	655					
23	525	411	657					
24	519	416	662					
25	-	-	-					
26	-	-	-					
27	-	-	-					
28	-09° 515	23 408	-22 647					
29	521	405	653					
30	523	412	652					

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pi, pc							
DAY	TIME (GMT)		TYPE	Quality A.B.C	LARGEST OSCILLATIONS		REMARKS
	Begin	End			Period	Range	
01	12h 57m	16h 00m	Pc 4	B			
03	21 33	21 44	Pi 2	A			
04	20 24	20 37	Pi 2	B			
08	20 35	20 43	Pi 2	A			
11	22 51	23 08	Pc 4	A			
21	22 33	22 45	Pc 4	B			
30	03 37	04 00	Pc 4	A			
30	21 44	22 00	Pi 2	A			

SERVIÇO METEOROLÓGICO DE ANGOLA

CENTRO GEOFÍSICO DE BELAS

L U A N D A

φ = 8° 55' S; λ = 13°10'E; h= 53 m Φ = 7°11'S; Λ=80° 33'E

DECEMBER 1976

Geomagnetic Bulletin

LUANDA

Scale values of the Askania variometers:
e_D = 3,5 γ/mm; e_H = 3,5 γ/mm; e_Z = 3,4 γ/mm

Time scale of variometers: 20 mm/h.

Range for K = 9;350 γ

INDICES OF GEOMAGNETIC ACTIVITY

Char 0.1.2

GR DAY 1976	K - Indices for three-hour interval									FULL DAY
	00h-03h	03h-06h	06h-09h	09h-12h	12h-15h	15h-18h	18h-21h	21h-24h	SUM	
1	0	0	1	2	2	0	0	0	7	0
2	1	0	1	1	1	1	1	0	6	0
3	1	0	1	1	1	0	1	2	7	0
4	1	2	4	3	4	3	0	2	19	1
5	2	1	1	3	3	1	0	0	11	1
6	1	1	1	0	0	0	0	1	4	0
7	1	1	2	1	1	1	1	2	10	0
8	2	2	3	4	4	2	0	2	20	1
9	2	1	2	2	3	3	2	1	16	1
10	0	0	1	2	2	2	0	3	10	0
11	2	1	1	-	1	1	1	2	-	-
12	3	2	0	0	3	3	1	1	13	1
13	1	1	1	1	1	0	0	0	4	0
14	0	0	0	0	1	1	0	0	2	0
15	0	2	1	0	0	0	0	0	3	0
16	0	0	1	2	2	1	2	1	9	0
17	1	1	2	2	1	2	3	2	14	1
18	2	3	2	2	2	1	1	2	15	1
19	1	0	0	1	1	1	1	0	5	0
20	0	1	0	1	1	1	1	1	6	0
21	0	0	-	-	-	1	0	0	-	-
22	1	1	-	2	3	2	2	2	-	-
23	1	0	0	1	1	0	0	0	3	0
24	1	0	1	1	1	0	1	1	6	0
25	1	2	2	0	2	2	1	0	10	0
26	0	0	1	1	0	0	0	0	2	0
27	1	1	0	0	0	0	1	1	4	0
28	1	2	1	1	0	1	3	3	12	1
29	4	2	3	5	5	5	3	2	29	2
30	1	1	2	2	1	2	2	3	14	1
31	3	1	1	3	2	0	2	2	14	1

DAY	DAILY MEAN D	DAILY MEAN H	DAILY MEAN Z
1	-09° 52,0	23 422	-22 619
2	51,9	418	622
3	51,9	426	623
4	52,3	411	621
5	51,7	412	622
6	52,1	412	625
7	51,7	425	624
8	51,2	381	624
9	51,8	377	629
10	51,6	390	629
11	51,6	392	618
12	51,4	391	612
13	51,1	398	611
14	50,9	403	610
15	51,3	411	613
16	51,3	411	614
17	51,3	401	616
18	51,3	392	621
19	51,1	401	615
20	51,6	407	611
21	51,9	411	616
22	50,7	402	617
23	50,7	413	613
24	51,7	417	619
25	50,9	405	612
26	51,3	412	617
27	51,1	405	619
28	51,0	417	617
29	51,2	364	624
30	50,8	376	623
31	51,1	380	621

DAY	TIME (GMT) h m	TYPE	Quality A.B.C.	Sense of chier Movement D H Z
02	20 26	bp	B	+ -
04	05 24	ssc	A	+ + -
04	07 43	si	A	- - -
08	02 28	si	B	- - -
12	01 00	bps	B	+ + +
16	11 07	ssc	A	+ + -
17	23 53	si	A	- - +
28	20 37	ssc	A	+ + -
29	08 35	si	A	- - -
30	22 36	si	B	+ + -
31	00 12	si	B	- - +

pi, pc

DAY	TIME (GMT) Begin	TIME (GMT) End	T Y P E	QUALITY A.B.C	LARGEST OSCILLATIONS Period	LARGEST OSCILLATIONS Range	REMARKS
02	11h 45m	13h 22m	Pc 4	B			
02	20 26	21 07	Pc 4	B			
03	11 51	12 49	Pc 4	B			
03	22 40	23 08	Pc 4	A			
08	00 24	00 39	Pi 2	B			
09	00 57	01 06	Pc 4	A			