

7-4 地震予知計画にもとづく地磁気全磁力観測, 1973 - 1977 年 Observation of Geomagnetic Total Intensity under the Project of Earthquake Prediction Research, 1973-1977

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地磁気観測所における 1973 年から 1977 年までのプロトン磁力計による全磁力夜間値 (0 時 40 分, 50 分, 1 時 00 分, 10 分, 20 分) を整理収録したものである。

この期間における全磁力月平均値と標準偏差を第 2a, 2b 表 (全月平均) に, および静穏日月平均値を第 3a, 3b 表 (静穏日月平均) に示す。静穏日は観測時間に対応する柿岡の K-index が 0 または 1 の日である。

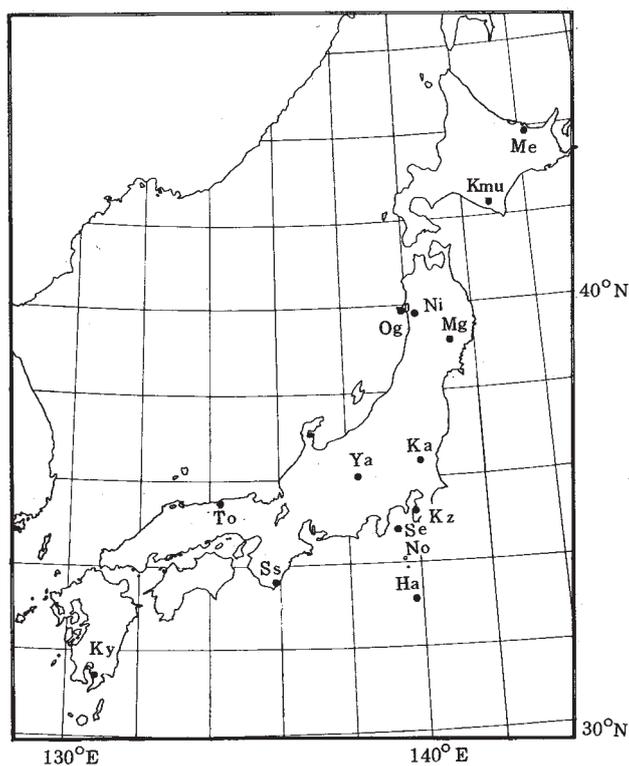
第 4a, 4b 表は柿岡を基準とする各観測点の全磁力差の全月平均値である。第 5a, 5b 表は静穏日における全磁力月平均値である。

第 2a, 2b, 2c, 2d 図および第 3a, 3b, 3c, 3d 図は各々全月平均及び静穏日月平均値を, また, 第 4a, 4b 図と第 5a, 5b 図はそれぞれ柿岡との全磁力差の全月平均と静穏日月平均を図示したものである。

なお, 野増観測点は小学校鉄筋コンクリート工事のため, 1976 年 6 月から泉津の値 +791.5 を使用し, 柿岡との全磁力差は月平均値相互の差とした。

参 考 文 献

- 1) 地震予知研究計画・地磁気研究グループ: 地震予知研究計画にもとづく地磁気全磁力観測, 連絡会報, 9 (1973), 109 - 126.
- 2) 地震予知研究計画・地磁気研究グループ: 地震予知研究計画にもとづく地磁気全磁力観測, 連絡会報, 12 (1974), 151 - 160.



第1図 観測所の分布

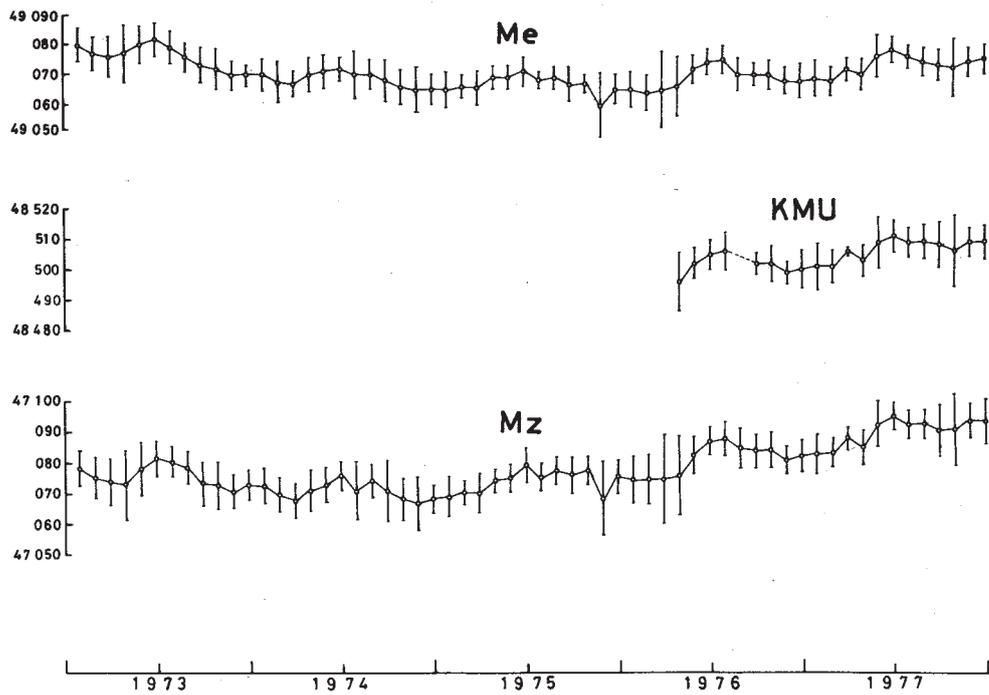
Fig. 1 Locations of stations.

第1表 観測所の分布

Table 1 Locations of stations.

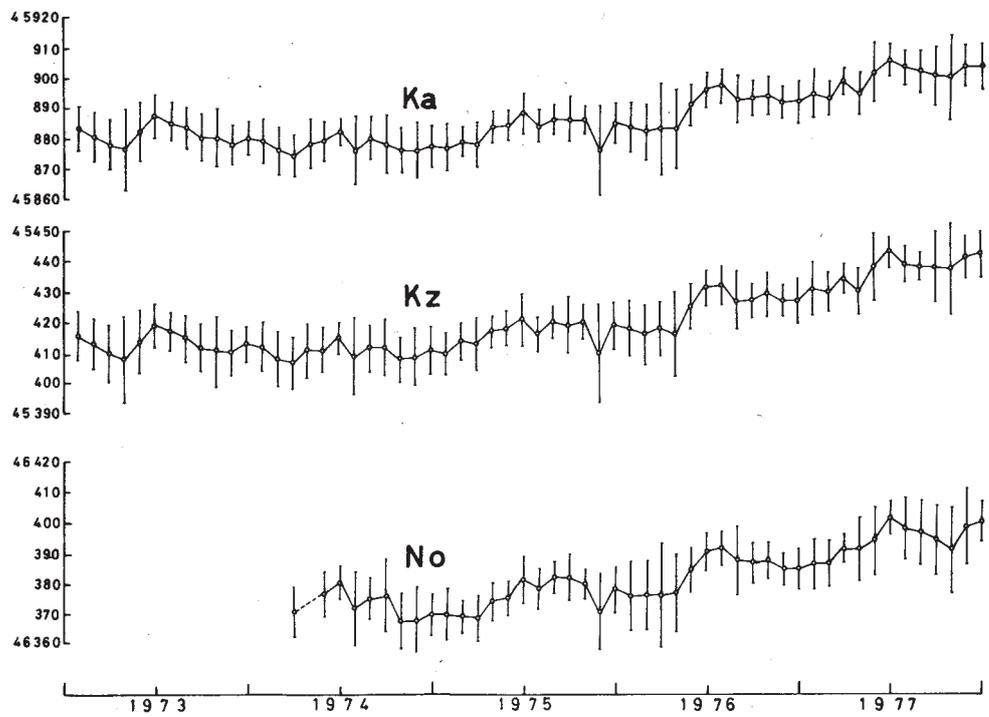
Stations	Geographic		Geomagnetic ^{*)}		Institutions
	Log.	Lat.	Log.	Lat.	
Me 女 満 別	144° 12'	43° 55'	209.1°	34.2°	気象庁・地磁気観測所
Kmu 上 杵 白	142 58	42 14	207.6	32.3	北大・理学部
Og 男 鹿	139 47	39 54	205.8	29.8	東北大・理学部
Ni 仁 別	140 16	39 48	206.3	29.7	東北大・理学部
Mz 水 沢	141 12	39 07	207.2	29.1	国土地理院
Ka 柿 岡	140 11	36 14	206.7	26.2	気象庁・地磁気観測所
Kz 鹿 野 山	139 58	35 15	206.6	25.2	国土地理院
No 伊豆大島 野 増	139 22	34 44	206.1	24.6	東大・震研
Se 伊豆大島 泉 津	139 25	34 47	206.1	24.6	東大・震研
Ha 八 丈 島	139 48	33 07	206.7	23.0	水 路 部
Ya 八 ケ 岳	138 27	36 04	205.1	25.8	東大・震研
Ss 下 里	135 56	33 35	203.1	23.2	水 路 部
To 鳥 取	134 14	35 31	201.4	25.0	京大・防災研
Ky 鹿 屋	130 53	31 25	198.8	20.7	気象庁・地磁気観測所

*) Based on geomagnetic poles for IGRF 1965.0 (69.76°W, 78.56°N).



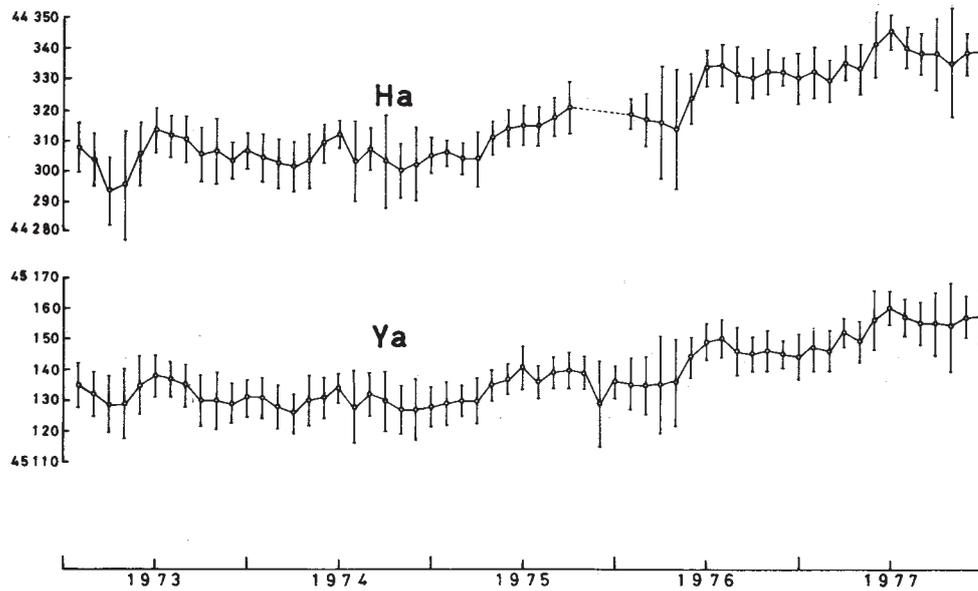
第 2 a 図 全磁力の全月平均値

Fig. 2a Monthly means of the total force intensity for all days.



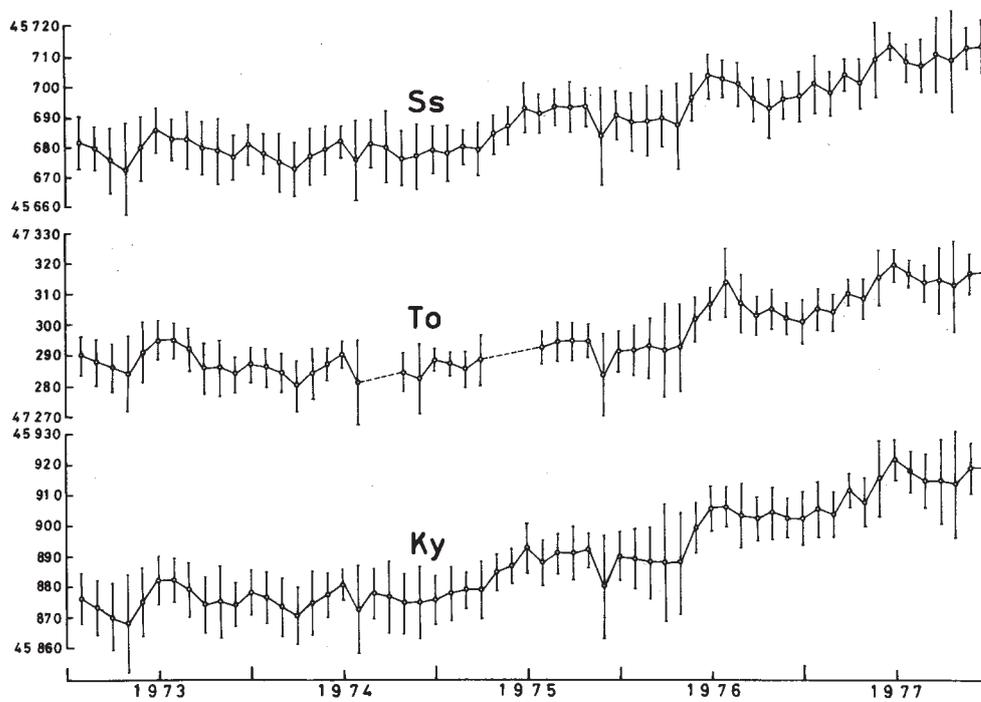
第 2 b 図 全磁力の全月平均値

Fig.2b Monthly means of the total force intensity for all days.



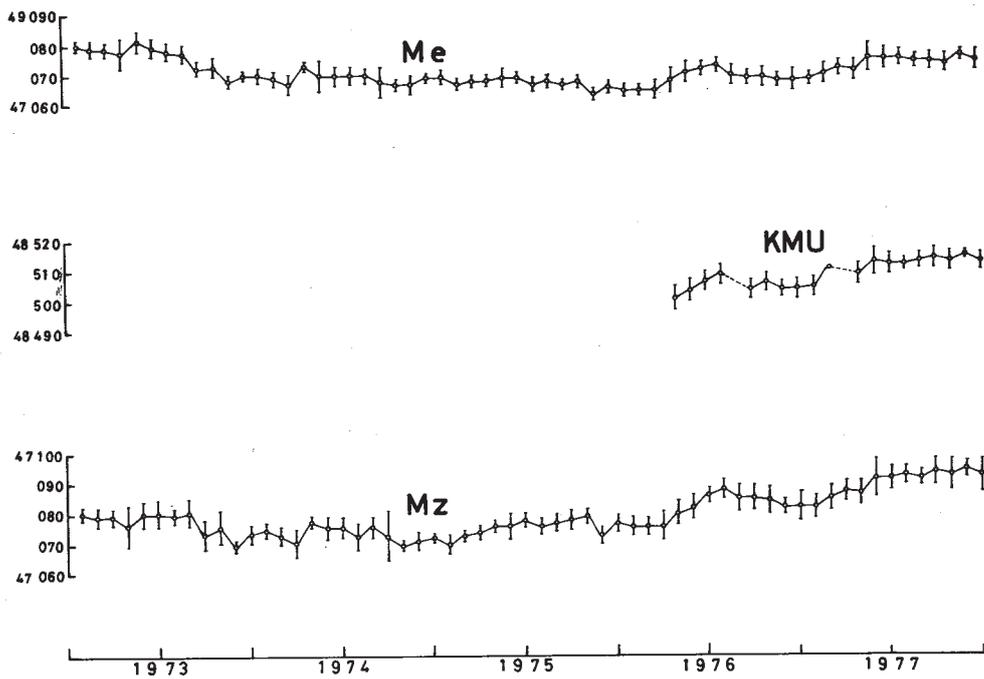
第 2 c 図 全磁力の全月平均値

Fig. 2c Monthly means of the total force intensity for all days.



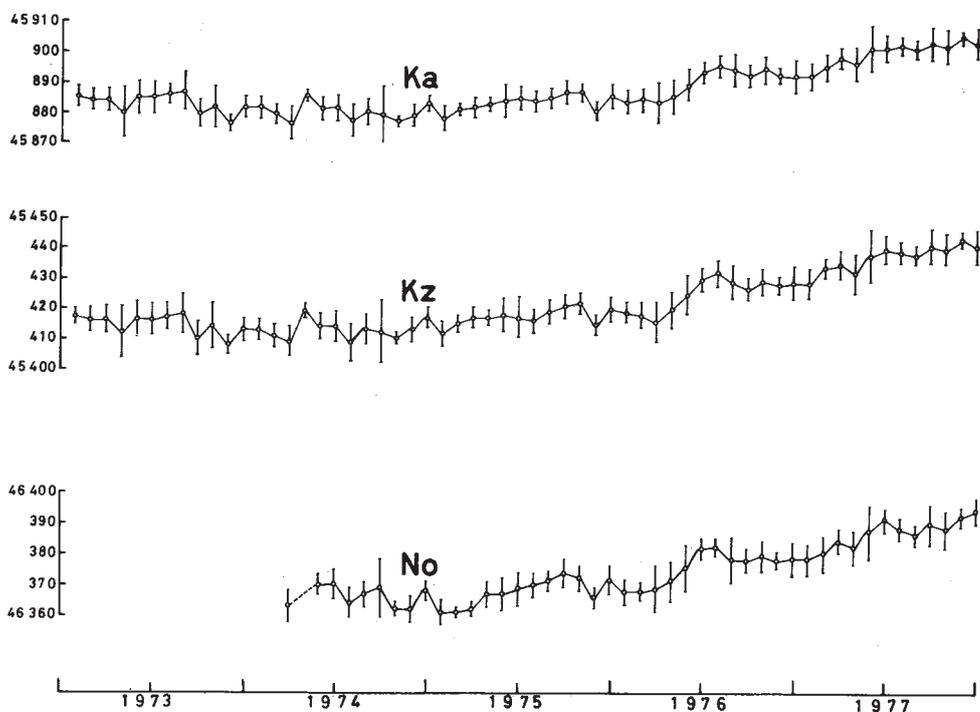
第 2 d 図 全磁力の全月平均値

Fig. 2d Monthly means of the total force intensity for all days.



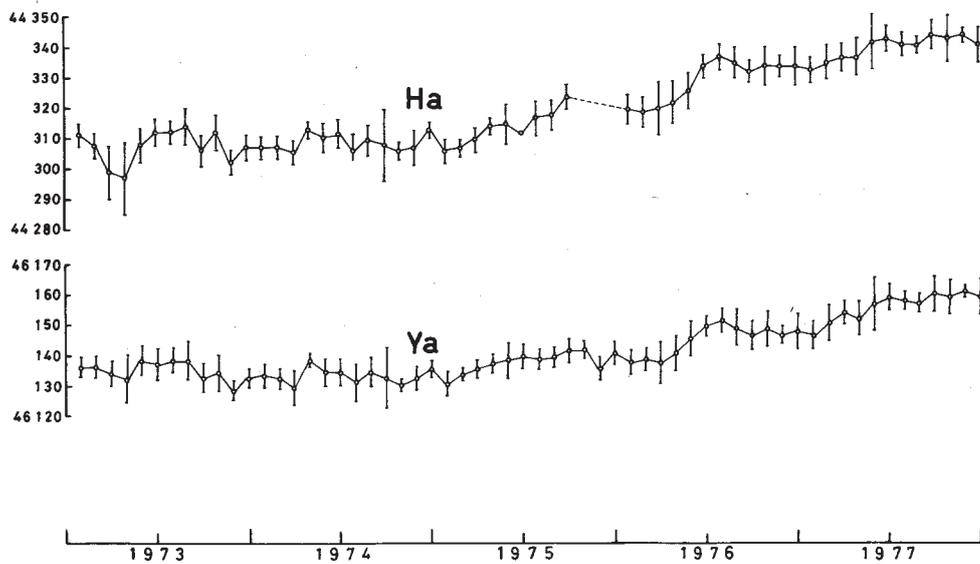
第3a図 全磁力の静穏日月平均値

Fig. 3a Monthly means of the total force intensity for magnetically quiet days



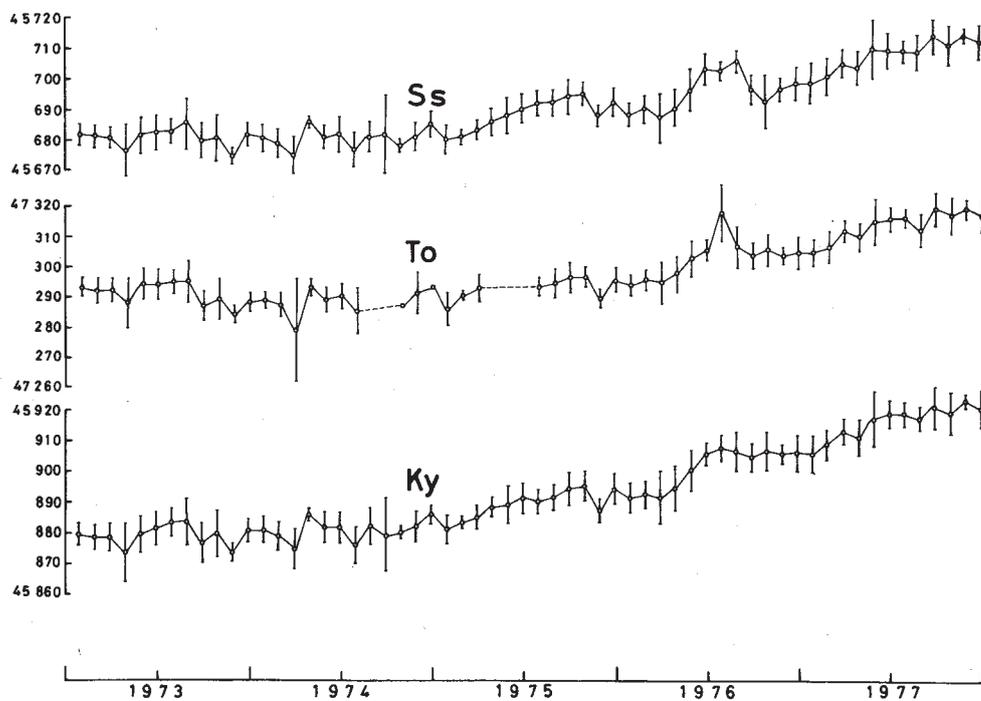
第3b図 全磁力の静穏日月平均値

Fig. 3b Monthly means of the total force intensity for magnetically quiet days.



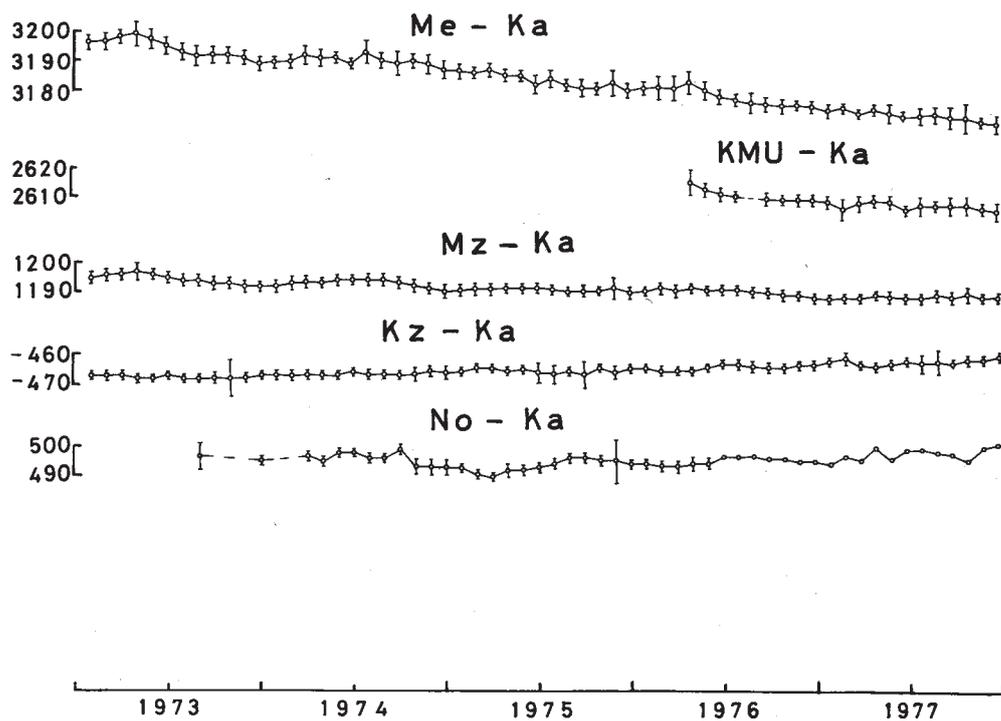
第 3 c 図 全磁力の静穏日月平均値

Fig. 3c Monthly means of the total force intensity for magnetically quiet days.



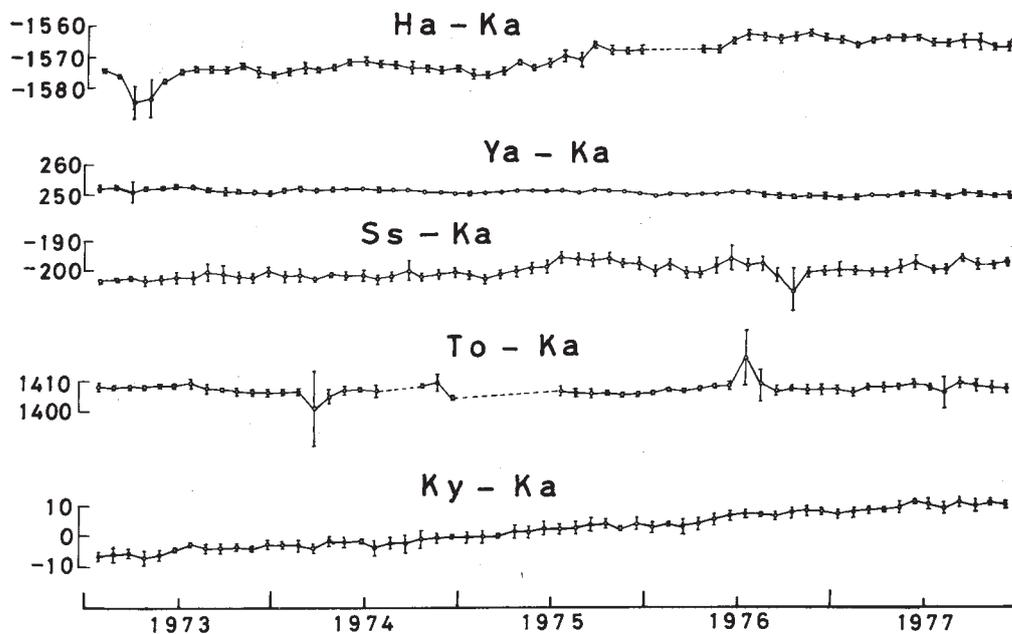
第 3 d 図 全磁力の静穏日月平均値

Fig. 3d Monthly means of the total force intensity for magnetically quiet days.



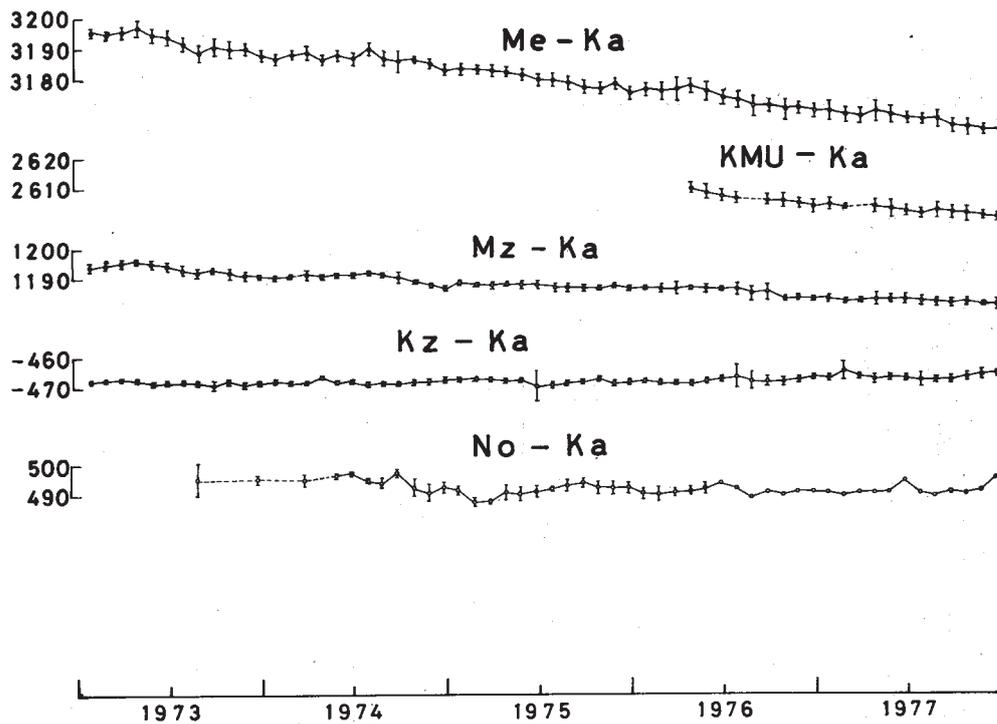
第 4 a 図 柿岡を基準とした全磁力差の全月平均値

Fig.4a Monthly means of difference in the total intensity with reference to Kakioka Magnetic Observatory on the basis of all day data.



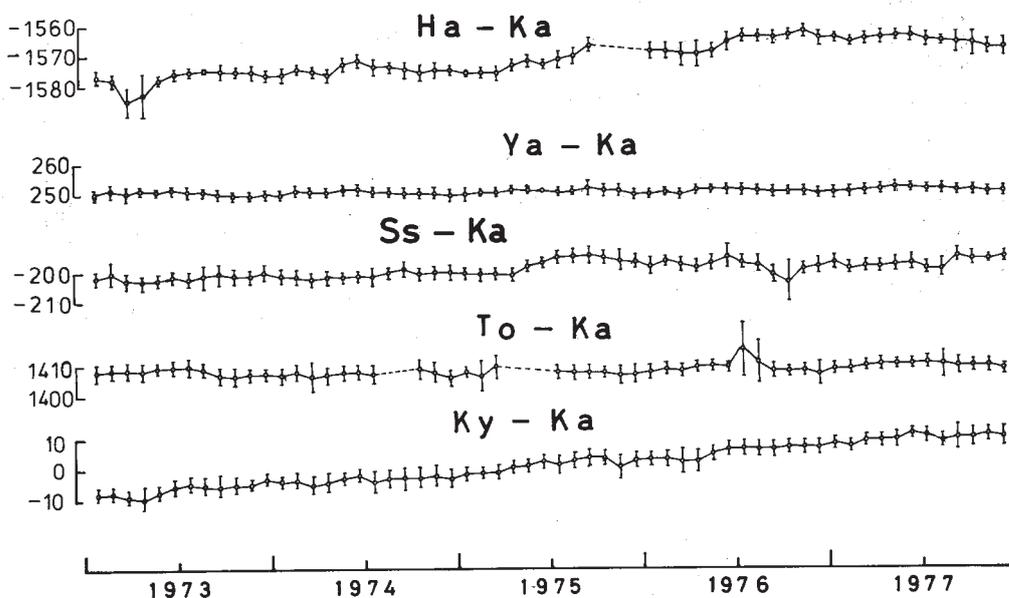
第 4 b 図 柿岡を基準とした全磁力差の全月平均値

Fig. 4b Monthly means of difference in the total intensity with reference to Kakioka Magnetic Observatory on the basis of all day data.



第5a図 柿岡を基準とした全磁力差の静穏日月平均値

Fig. 5a Monthly means of difference in the total intensity with reference to Kakioka Magnetic Observatory on the basis of quiet day data.



第5b図 柿岡を基準とした全磁力差の静穏日月平均値

Fig. 5b Monthly means of difference in the total intensity with reference to Kakioka Magnetic Observatory on the basis of quiet day data.

第2a表 全磁力の月平均値

Table 2a Monthly means of the total force intensity for all days,

	Me	KMU	Mz	Ka	Kz	No
1973, Jan.	49079 ± 5.3		47078 ± 6.0	45883 ± 7.6	45416 ± 8.4	
Feb.	49076 ± 5.7		47075 ± 6.8	45880 ± 8.3	45413 ± 8.6	
Mar.	49075 ± 6.7		47074 ± 7.5	45878 ± 8.8	45410 ± 9.5	
Apr.	49076 ± 9.2		47073 ± 10.8	45876 ± 13.4	45408 ± 14.5	
May	49079 ± 6.7		47078 ± 8.5	45882 ± 9.9	45414 ± 10.5	
Jun.	49081 ± 5.1		47081 ± 5.9	45887 ± 7.3	45419 ± 7.7	
Jul.	40978 ± 5.1		47080 ± 5.1	45885 ± 6.7	45417 ± 6.4	
Aug.	49075 ± 4.6		47078 ± 5.4	45883 ± 7.2	45415 ± 7.9	46380 ± 7.7
Sep.	49072 ± 5.8		47073 ± 7.5	45880 ± 7.9	45412 ± 8.0	
Oct.	49071 ± 7.2		47072 ± 8.2	45880 ± 9.9	45411 ± 12.2	
Nov.	49069 ± 4.7		47070 ± 5.2	45878 ± 6.6	45410 ± 7.3	
Dec.	49069 ± 3.6		47072 ± 5.1	45880 ± 5.7	45413 ± 5.8	46375 ± 6.9*
1974, Jan.	49069 ± 5.4		47072 ± 5.6	45879 ± 7.4	45412 ± 8.6	
Feb.	49066 ± 5.9		47069 ± 5.7	45876 ± 8.1	45408 ± 9.3	
Mar.	49066 ± 4.4		47067 ± 5.5	45874 ± 7.2	45407 ± 8.4	46370 ± 8.3
Apr.	49069 ± 5.6		47070 ± 6.8	45878 ± 8.2	45411 ± 8.8	46370 ± 7.9
May	49070 ± 5.3		47072 ± 5.7	45879 ± 6.8	45411 ± 7.6	46376 ± 7.2
Jun.	49071 ± 3.9		47075 ± 4.3	45882 ± 4.6	45415 ± 5.2	46380 ± 5.2
Jul.	49069 ± 7.9		47070 ± 9.8	45876 ± 11.8	45409 ± 13.0	46372 ± 12.3
Aug.	49069 ± 5.2		47073 ± 5.8	45880 ± 7.4	45412 ± 8.0	46376 ± 7.5
Sep.	49067 ± 7.6		47070 ± 10.1	45878 ± 10.0	45412 ± 9.4	46377 ± 10.2
Oct.	49065 ± 5.6		47067 ± 6.8	45876 ± 7.8	45408 ± 7.8	46369 ± 8.3
Nov.	49064 ± 7.4		47066 ± 8.7	45876 ± 9.8	45409 ± 10.4	46368 ± 10.4
Dec.	49064 ± 4.9		47067 ± 5.0	45877 ± 7.2	45411 ± 7.9	46371 ± 7.6
1975, Jan.	49064 ± 6.3		47068 ± 6.3	45877 ± 8.1	45410 ± 7.4	46370 ± 8.5
Feb.	49065 ± 3.8		47069 ± 3.9	45879 ± 5.3	45414 ± 5.9	46369 ± 5.9
Mar.	49065 ± 5.3		47069 ± 6.5	45878 ± 7.5	45413 ± 8.4	46368 ± 8.4
Apr.	49068 ± 3.9		47073 ± 4.0	45883 ± 5.2	45417 ± 5.7	46374 ± 6.4
May	49068 ± 3.9		47074 ± 4.6	45884 ± 5.4	45418 ± 5.8	46375 ± 6.0
Jun.	49070 ± 4.6		47078 ± 5.8	45888 ± 7.1	45421 ± 8.8	46381 ± 8.4
Jul.	49067 ± 3.0		47074 ± 4.2	45884 ± 5.3	45416 ± 6.5	46378 ± 6.8
Aug.	49068 ± 3.5		47076 ± 4.7	45886 ± 5.1	45420 ± 5.3	46381 ± 5.1
Sep.	49066 ± 5.5		47075 ± 6.4	45886 ± 7.5	45419 ± 9.4	46382 ± 8.4
Oct.	49066 ± 3.1		47076 ± 4.4	45886 ± 5.1	45420 ± 5.7	46380 ± 5.4
Nov.	49059 ± 10.9		47067 ± 11.9	45876 ± 15.0	45410 ± 16.6	46371 ± 14.2
Dec.	49064 ± 4.9		47074 ± 5.5	45885 ± 7.1	45419 ± 8.1	46379 ± 7.9
1976, Jan.	49064 ± 6.1		47073 ± 7.4	45884 ± 8.3	45418 ± 8.8	46377 ± 9.1
Feb.	49063 ± 5.9		47073 ± 8.2	45882 ± 9.4	45416 ± 10.2	46377 ± 8.5
Mar.	49064 ± 12.4		47073 ± 14.2	45883 ± 15.6	45418 ± 8.9	46376 ± 17.6
Apr.	49065 ± 9.9	48497 ± 10.1	47074 ± 12.8	45883 ± 13.7	45416 ± 14.4	46376 ± 13.5
May	49071 ± 4.6	48503 ± 5.3	47081 ± 5.9	45891 ± 6.9	45425 ± 7.5	46385 ± 7.9
Jun.	49073 ± 4.3	48506 ± 5.5	47085 ± 4.8	45896 ± 6.0	45431 ± 6.8	46391.5 ± 6.1
Jul.	49074 ± 4.6	48507 ± 6.3	47086 ± 5.4	45897 ± 6.2	45432 ± 6.6	46392.5 ± 6.2
Aug.	49069 ± 5.5		47083 ± 6.5	45893 ± 8.5	45427 ± 9.5	46388.5 ± 11.4
Sep.	49069 ± 3.9	48503 ± 3.7*	47082 ± 5.5	45893 ± 5.9	45427 ± 6.1	46387.5 ± 6.9
Oct.	49069 ± 4.5	48503 ± 6.0	47082 ± 5.8	45894 ± 6.8	45429 ± 7.1	46388.5 ± 6.6
Nov.	49067 ± 4.1	48500 ± 3.9	47079 ± 4.4	45892 ± 5.2	45427 ± 5.7	46385.5 ± 5.6
Dec.	49067 ± 5.4	48501 ± 6.5	47080 ± 5.8	45892 ± 7.3	45427 ± 7.7	46385.5 ± 7.3
1977, Jan.	49068 ± 5.7	48502 ± 8.0*	47081 ± 6.6	45895 ± 8.2	45431 ± 9.0	46387.5 ± 8.2
Feb.	49067 ± 4.4	48502 ± 5.5*	47081 ± 5.2	45893 ± 6.4	45430 ± 6.8	46387.5 ± 8.7
Mar.	49071 ± 3.3	48507 ± 1.9*	47086 ± 3.6	45899 ± 4.7	45434 ± 5.2	46392.5 ± 4.9
Apr.	49069 ± 5.1	48504 ± 5.2	47083 ± 5.8	45895 ± 7.1	45430 ± 8.0	46392.5 ± 11.0
May	49075 ± 7.0	48510 ± 8.3	47090 ± 8.2	45902 ± 10.1	45438 ± 11.2	46395.5 ± 10.4
Jun.	49077 ± 4.3	48512 ± 5.2	47093 ± 4.7	45906 ± 5.6	45443 ± 5.2*	46402.5 ± 5.4
Jul.	49075 ± 3.8	48510 ± 5.4	47090 ± 4.8	45903 ± 5.9	45439 ± 6.1	46399.5 ± 10.7
Aug.	49073 ± 4.7	48510 ± 5.8	47090 ± 5.2	45902 ± 7.2	45438 ± 5.3	46397.5 ± 10.4
Sep.	49072 ± 6.4	48509 ± 7.9	47088 ± 9.0	45901 ± 10.4	45438 ± 12.1	46395.5 ± 12.0
Oct.	49071 ± 10.1	48507 ± 12.2	47088 ± 12.5	45900 ± 14.6	45437 ± 15.5	46392.5 ± 15.1
Nov.	49073 ± 4.8	48510 ± 5.3	47091 ± 5.9	45904 ± 6.7	45441 ± 7.2	46400.5 ± 13.0
Dec.	49074 ± 5.0	48510 ± 5.5	47091 ± 7.1	45904 ± 8.1	45442 ± 8.3	46401.5 ± 7.0

第2b表 全磁力の月平均値

Table 2b Monthly means of the total force intensity for all days.

	Ha	Ya	Ss	To	Ky
1973, Jan.	44307 ± 8.1	46135 ± 7.2	45681 ± 8.9	47290 ± 6.5	45876 ± 8.5
Feb.	44303 ± 8.6	46132 ± 7.2	45679 ± 7.5	47288 ± 7.6	45873 ± 8.9
Mar.	44293 ± 11.2	46129 ± 9.3	45675 ± 10.9	47286 ± 8.1	45870 ± 11.2
Apr.	44295 ± 18.1	46129 ± 11.7	45672 ± 15.2	47284 ± 12.4	45868 ± 16.3
May	44305 ± 10.7	46135 ± 10.1	45679 ± 11.0	47291 ± 9.6	45875 ± 11.4
Jun.	44313 ± 7.3	46138 ± 6.9	45685 ± 7.8	47295 ± 6.8	45882 ± 8.1
Jul.	44311 ± 6.7	46137 ± 5.9	45682 ± 7.0	47295 ± 5.9	45882 ± 7.4
Aug.	44310 ± 7.4	46135 ± 7.1	45682 ± 9.8	47292 ± 7.3	45879 ± 9.2
Sep.	44305 ± 9.1	46130 ± 8.4	45679 ± 9.1	47296 ± 8.6	45874 ± 9.5
Oct.	44306 ± 10.9	46130 ± 9.4	45678 ± 11.2	47286 ± 9.4	45875 ± 11.9
Nov.	44303 ± 6.1	46129 ± 6.4	45676 ± 7.4	47284 ± 6.0	45874 ± 7.4
Dec.	44306 ± 6.1	46131 ± 5.8	45680 ± 6.8	47287 ± 5.8	45878 ± 7.2
1974, Jan.	44304 ± 7.8	46131 ± 6.7	45677 ± 7.0	47286 ± 6.3	45876 ± 8.4
Feb.	44302 ± 8.1	46128 ± 7.2	45674 ± 9.7	47284 ± 6.7	45873 ± 9.2
Mar.	44301 ± 8.3	46126 ± 6.7	45672 ± 8.7	47280 ± 8.6	45870 ± 9.5
Apr.	44303 ± 9.1	46130 ± 7.9	45676 ± 9.5	47284 ± 8.3	45874 ± 10.3
May	44309 ± 6.3	46131 ± 6.4	45678 ± 7.8	47287 ± 5.3	45877 ± 7.5
Jun.	44312 ± 4.7	46134 ± 4.5	45681 ± 5.5	47290 ± 4.4	45880 ± 5.1
Jul.	44303 ± 13.5	46128 ± 11.8	45675 ± 13.6	47281 ± 14.1	45872 ± 14.5
Aug.	44307 ± 7.3	46132 ± 7.0	45680 ± 7.9		45877 ± 8.6
Sep.	44303 ± 15.6	46130 ± 9.9	45679 ± 12.2		45876 ± 12.0
Oct.	44300 ± 9.0	46127 ± 8.0	45675 ± 8.7	47284 ± 6.6	45874 ± 9.8
Nov.	44302 ± 12.3*	46127 ± 9.9	45676 ± 10.7	47282 ± 11.5	45874 ± 11.9
Dec.	44305 ± 5.9*	46128 ± 6.4	45678 ± 7.9	47288 ± 3.5	45875 ± 8.2
1975, Jan.	44306 ± 4.7*	46129 ± 7.2	45677 ± 9.5	47287 ± 3.9*	45877 ± 8.9
Feb.	44304 ± 5.6	46130 ± 5.0	45679 ± 6.2	47285 ± 6.1	45878 ± 6.0
Mar.	44304 ± 9.0	46130 ± 7.4	45678 ± 8.7	47288 ± 8.4	45878 ± 9.3
Apr.	44311 ± 5.7	46135 ± 4.6	45683 ± 6.6		45884 ± 6.2
May	44314 ± 6.1	46137 ± 5.2	45686 ± 6.3		45886 ± 6.1
Jun.	44315 ± 6.8*	46141 ± 7.0	45692 ± 8.5		45892 ± 8.2
Jul.	44315 ± 6.5	46136 ± 5.2	45690 ± 6.5	47292 ± 5.5	45887 ± 7.4
Aug.	44318 ± 6.5	46139 ± 5.3	45692 ± 6.3	47294 ± 6.6*	45890 ± 6.8
Sep.	44321 ± 8.6	46140 ± 6.1	45692 ± 8.6	47294 ± 6.5	45890 ± 8.9
Oct.		46139 ± 5.5	45692 ± 6.4	47294 ± 5.6	45891 ± 6.6
Nov.		46129 ± 13.8	45682 ± 16.7	47283 ± 13.8	45879 ± 17.1
Dec.		46136 ± 5.4	45689 ± 7.9	47291 ± 6.7	45889 ± 8.1
1976, Jan.	44319 ± 5.0	46135 ± 8.4	45687 ± 9.8	47291 ± 8.2	45888 ± 9.7
Feb.	44317 ± 8.8	46135 ± 9.3	45687 ± 10.7	47292 ± 9.9	45887 ± 11.7
Mar.	44316 ± 18.6	46135 ± 15.7	45688 ± 9.5	47291 ± 15.5	45887 ± 19.4
Apr.	44314 ± 20.0	46136 ± 14.1	45686 ± 15.1	47292 ± 14.5	45887 ± 17.2
May	44324 ± 8.3	46144 ± 6.8	45695 ± 7.8	47301 ± 7.2	45898 ± 8.3
Jun.	44334 ± 6.0*	46149 ± 5.7	45702 ± 7.7	47306 ± 5.5	45904 ± 7.4
Jul.	44335 ± 6.8	46150 ± 6.1	45701 ± 6.6	47313 ± 11.6	45905 ± 6.9
Aug.	44332 ± 9.2	46146 ± 8.0	45699 ± 7.4*	47306 ± 9.9	45902 ± 10.4
Sep.	44331 ± 6.8	46145 ± 5.9	45694 ± 7.5	47302 ± 6.2	45901 ± 7.2
Oct.	44333 ± 7.5	46146 ± 6.7	45691 ± 10.0	47304 ± 6.8	45903 ± 8.2
Nov.	44333 ± 4.7	46145 ± 4.8	45694 ± 6.3	47301 ± 5.2	45901 ± 6.8
Dec.	44331 ± 8.3	46144 ± 7.3	45695 ± 8.4	47300 ± 7.2	45901 ± 9.0
1977, Jan.	44333 ± 8.3	46147 ± 7.5	45699 ± 9.8	47304 ± 7.0	45904 ± 9.4
Feb.	44330 ± 6.9	46146 ± 6.3	45696 ± 7.2	47303 ± 6.4	45902 ± 7.6
Mar.	44336 ± 5.3	46152 ± 4.4	45702 ± 5.6	47309 ± 4.1	45910 ± 5.6
Apr.	44334 ± 8.2	46149 ± 6.6	45699 ± 8.4	47307 ± 6.4	45906 ± 8.1
May	44342 ± 11.4	46156 ± 9.9	45707 ± 12.3	47314 ± 9.2	45914 ± 12.5
Jun.	44346 ± 5.9	46160 ± 5.5	45711 ± 4.5*	47318 ± 5.4	45920 ± 6.3
Jul.	44341 ± 7.1	46157 ± 6.0	45706 ± 6.7	47315 ± 4.5	45916 ± 7.3
Aug.	44339 ± 7.2	46155 ± 7.0	45705 ± 9.0*	47312 ± 5.9	45913 ± 8.9
Sep.	44339 ± 12.1	46155 ± 10.6	45708 ± 12.5	47313 ± 10.9	45913 ± 13.9
Oct.	44336 ± 18.2	46154 ± 14.6	45706 ± 17.3	47311 ± 14.8	45912 ± 17.7
Nov.	44339 ± 7.1	46157 ± 6.9	45710 ± 7.2	47315 ± 6.6	45917 ± 8.5
Dec.	44340 ± 10.3	46157 ± 8.6	45711 ± 9.0	47315 ± 9.0	45917 ± 10.6

第3a表 表全磁力の静穏日月平均値

Table 3a Monthly means of the total force intensity for magnetically quiet days.

	Me	KMU	Mz	Ka	Kz	No
1973, Jan.	49080 ± 2.1		47080 ± 2.4	45885 ± 3.4	45418 ± 2.5	
Feb.	49079 ± 2.7		47079 ± 3.0	45884 ± 3.6	45417 ± 3.9	
Mar.	49079 ± 2.5		47079 ± 3.0	45884 ± 3.9	45417 ± 4.4	
Apr.	49078 ± 6.2		47076 ± 7.4	45880 ± 8.2	45413 ± 8.6	
May	49081 ± 3.6		47080 ± 4.4	45885 ± 5.4	45417 ± 6.1	
Jun.	49079 ± 3.4		47080 ± 4.3	45885 ± 5.5	45417 ± 5.3	
Jul.	49078 ± 2.4		47079 ± 2.9	45886 ± 3.7	45418 ± 4.3	
Aug.	49077 ± 3.3		47080 ± 5.1	45887 ± 6.2	45419 ± 6.6	46382 ± 4.9
Sep.	49072 ± 3.1		47073 ± 4.8	45880 ± 4.7	45411 ± 5.6	
Oct.	49073 ± 4.5		47075 ± 5.9	45882 ± 7.0	45415 ± 7.3	
Nov.	49068 ± 1.6		47069 ± 2.2	45877 ± 2.7	45409 ± 2.9	
Dec.	49070 ± 2.1		47073 ± 2.7	45882 ± 3.3	45414 ± 3.7	46378 ± 3.5
1974, Jan.	49070 ± 2.3		47074 ± 2.8	45882 ± 3.8	45414 ± 3.5	
Feb.	49069 ± 2.4		47072 ± 3.3	45880 ± 3.3	45412 ± 4.1	
Mar.	49067 ± 3.5		47070 ± 4.7	45877 ± 5.7	45410 ± 4.9	46373 ± 5.8
Apr.	49073 ± 1.1		47077 ± 1.6	45886 ± 1.9	45420 ± 2.3	
May	49070 ± 5.9		47075 ± 3.5	45882 ± 3.9	45415 ± 4.2	46380 ± 3.6
Jun.	49070 ± 3.4		47075 ± 3.8	45882 ± 4.5	45415 ± 5.0	46380 ± 5.0
Jul.	49070 ± 3.4		47072 ± 4.4	45878 ± 5.3	45410 ± 6.5	46374 ± 5.1
Aug.	49070 ± 2.5		47075 ± 3.8	45881 ± 4.6	45414 ± 4.9	46377 ± 4.8
Sep.	49068 ± 6.0		47072 ± 8.3	45880 ± 9.8	45413 ± 10.3	46379 ± 10.0
Oct.	49067 ± 1.3		47069 ± 1.6	45878 ± 1.8	45411 ± 2.0	46372 ± 2.8
Nov.	49067 ± 2.6		47070 ± 3.7	45880 ± 3.6	45414 ± 4.0	46372 ± 4.7
Dec.	49069 ± 1.7		47071 ± 1.0	45884 ± 2.6	45418 ± 3.2	46378 ± 3.1
1975, Jan.	49069 ± 2.7		47069 ± 3.6	45879 ± 4.1	45413 ± 4.4	46371 ± 4.1
Feb.	49067 ± 1.9		47072 ± 1.8	45882 ± 1.9	45416 ± 3.0	46371 ± 2.0
Mar.	49068 ± 2.2		47073 ± 2.6	45883 ± 3.2	45418 ± 3.7	46372 ± 2.8
Apr.	49068 ± 1.5		47075 ± 2.1	45884 ± 2.6	45418 ± 2.6	46377 ± 4.4
May	49069 ± 3.4		47075 ± 4.6	45885 ± 5.3	45419 ± 5.7	46377 ± 5.9
Jun.	49069 ± 2.4		47077 ± 3.1	45886 ± 4.1	45418 ± 7.3	46379 ± 5.6
Jul.	49067 ± 2.4		47075 ± 2.6	45885 ± 3.6	45417 ± 4.1	46380 ± 4.1
Aug.	49068 ± 2.4		47076 ± 3.0	45886 ± 3.5	45420 ± 3.8	46381 ± 3.7
Sep.	49067 ± 2.3		47077 ± 3.2	45888 ± 3.9	45422 ± 4.0	46384 ± 4.5
Oct.	49068 ± 2.1		47078 ± 2.7	45888 ± 3.2	45423 ± 3.6	46382 ± 4.3
Nov.	49064 ± 2.1		47072 ± 2.5	45882 ± 3.1	45416 ± 3.3	46376 ± 3.3
Dec.	49066 ± 2.3		47076 ± 3.4	45887 ± 3.9	45421 ± 4.2	46382 ± 5.0
1976, Jan.	49065 ± 1.8		47075 ± 3.3	45885 ± 3.8	45420 ± 3.7	46378 ± 4.7
Feb.	49065 ± 2.1		47075 ± 2.9	45886 ± 3.8	45419 ± 4.4	46378 ± 3.9
Mar.	49065 ± 3.5		47075 ± 5.4	45885 ± 7.1	45417 ± 6.6	46379 ± 7.8
Apr.	49068 ± 4.1	48499 ± 4.3	47079 ± 4.9	45887 ± 5.7	45421 ± 6.0	46381 ± 7.1
May	49071 ± 3.2	48502 ± 3.5	47081 ± 4.5	45891 ± 5.3	45426 ± 6.2	46386 ± 7.2
Jun.	49072 ± 2.4	48505 ± 3.1	47085 ± 3.0	45895 ± 3.3	45431 ± 3.8	46392.0 ± 3.9
Jul.	49073 ± 2.7	48507 ± 3.3	47087 ± 3.1	45897 ± 3.7	45433 ± 4.3	46392.5 ± 3.6
Aug.	49070 ± 3.1		47084 ± 4.2	45896 ± 5.3	45430 ± 5.3	46388.5 ± 8.5
Sep.	49069 ± 2.3	48502 ± 3.0	47084 ± 4.2	45894 ± 3.7	45428 ± 3.3	46388.5 ± 4.7
Oct.	49069 ± 2.8	48504 ± 3.4	47083 ± 4.6	45896 ± 4.9	45430 ± 4.2	46389.5 ± 5.7
Nov.	49068 ± 2.0	48502 ± 2.0	47081 ± 2.3	45894 ± 2.6	45429 ± 2.8	46388.5 ± 3.6
Dec.	49068 ± 3.8	48502 ± 4.2	47081 ± 4.8	45894 ± 5.5	45430 ± 5.8	46388.5 ± 5.5
1977, Jan.	49068 ± 2.4	48502 ± 3.9	47081 ± 3.5	45894 ± 4.4	45430 ± 4.5	46388.5 ± 5.4
Feb.	49070 ± 3.1	48508 ± 0.0	47084 ± 4.5	45897 ± 4.7	45435 ± 3.2	46390.5 ± 6.3
Mar.	49072 ± 2.6		47086 ± 3.1	45900 ± 3.8	45436 ± 4.3	46394.5 ± 4.3
Apr.	49071 ± 3.9	48506 ± 4.1	47085 ± 4.6	45898 ± 5.9	45433 ± 6.6	46392.5 ± 6.0
May	49075 ± 5.1	48510 ± 5.9	47090 ± 6.7	45903 ± 7.9	45439 ± 8.6	46397.5 ± 9.3
Jun.	49075 ± 3.8	48509 ± 3.7	47090 ± 3.7	45903 ± 4.2	45441 ± 4.6	46401.5 ± 3.8
Jul.	49075 ± 2.7	48509 ± 2.2	47091 ± 2.8	45904 ± 3.1	45440 ± 4.3	46398.5 ± 3.4
Aug.	49074 ± 2.3	48510 ± 3.3	47090 ± 2.4	45903 ± 2.9	45439 ± 2.9	46396.5 ± 3.2
Sep.	49074 ± 3.6	48511 ± 4.4	47092 ± 4.7	45905 ± 5.5	45442 ± 5.7	46400.5 ± 6.9
Oct.	49073 ± 3.2	48510 ± 3.9	47091 ± 4.9	45904 ± 5.4	45441 ± 5.4	46398.5 ± 6.3
Nov.	49076 ± 1.3	48512 ± 1.2	47093 ± 1.7	45907 ± 1.9	45444 ± 2.4	46402.5 ± 3.2
Dec.	49074 ± 3.7	48510 ± 3.5	47091 ± 4.7	45905 ± 5.4	45442 ± 5.7	46404.5 ± 4.2

第3b表 全磁力の静穏日月平均値

Table 3b Monthly means of the total force intensity for magnetically quiet days.

	Ha	Ya	Ss	To	Ky
1973, Jan.	44311 ± 3.5	46136 ± 3.0	45682 ± 3.7	47293 ± 3.1	45879 ± 3.9
Feb.	44308 ± 4.1	46136 ± 3.3	45682 ± 3.3	47292 ± 4.1	45878 ± 4.0
Mar.	44299 ± 8.6	46134 ± 4.1	45681 ± 4.4	47292 ± 3.8	45878 ± 4.6
Apr.	44297 ± 11.9	46132 ± 7.9	45677 ± 8.6	47288 ± 7.9	45873 ± 9.3
May	44308 ± 5.5	46138 ± 5.2	45682 ± 5.8	47294 ± 5.1	45879 ± 6.3
Jun.	44312 ± 4.3	46137 ± 5.0	45683 ± 5.2	47294 ± 5.1	45881 ± 6.2
Jul.	44312 ± 3.9	46138 ± 3.8	45683 ± 4.4	47295 ± 4.2	45883 ± 4.2
Aug.	44314 ± 5.8	46138 ± 6.2	45686 ± 8.1	47295 ± 6.6	45883 ± 7.4
Sep.	44306 ± 5.6	46132 ± 4.0	45680 ± 6.2	47287 ± 5.1	45876 ± 6.8
Oct.	44312 ± 5.6	46134 ± 6.7	45681 ± 7.7	47289 ± 7.0	45879 ± 8.2
Nov.	44302 ± 3.8	46128 ± 2.7	45675 ± 2.4	47284 ± 2.9	45873 ± 3.2
Dec.	44307 ± 4.2	46132 ± 3.1	45682 ± 4.1	47288 ± 3.1	45880 ± 3.8
1974, Jan.	44307 ± 4.0	46133 ± 3.6	45681 ± 4.7	47289 ± 2.5	45880 ± 4.7
Feb.	44307 ± 4.3	46132 ± 3.9	45679 ± 4.6	47287 ± 3.9	45878 ± 4.5
Mar.	44306 ± 3.7	46129 ± 5.4	45675 ± 5.8	47279 ± 17.0	45874 ± 6.5
Apr.	44313 ± 2.4	46138 ± 2.0	45686 ± 2.1	47293 ± 2.6	45885 ± 2.3
May	44311 ± 4.1	46134 ± 4.0	45681 ± 4.4	47289 ± 3.8	45881 ± 4.9
Jun.	44312 ± 3.9	46134 ± 4.2	45682 ± 6.1	47290 ± 4.1	45881 ± 5.1
Jul.	44306 ± 6.1	46131 ± 5.4	45677 ± 5.6	47285 ± 7.3	45875 ± 6.3
Aug.	44310 ± 5.4	46134 ± 4.6	45681 ± 5.0		45881 ± 5.7
Sep.	44308 ± 12.0	46132 ± 10.1	45682 ± 12.5		45878 ± 12.3
Oct.	44306 ± 2.6	46130 ± 1.8	45678 ± 2.2	47287 ± 0.0	45879 ± 2.1
Nov.	44307 ± 5.4	46132 ± 4.0	45681 ± 4.6	47291 ± 6.9	45881 ± 4.8
Dec.	44313 ± 2.8	46135 ± 2.5	45685 ± 3.6	47293 ± 0.0	45885 ± 2.5
1975, Jan.	44306 ± 4.7	46130 ± 4.1	45680 ± 4.5	47286 ± 4.6	45880 ± 4.8
Feb.	44307 ± 2.5	46133 ± 1.8	45681 ± 2.3	47290 ± 1.4	45882 ± 2.1
Mar.	44310 ± 4.7	46135 ± 3.2	45683 ± 3.3	47293 ± 4.0	45884 ± 3.7
Apr.	44314 ± 3.0	46137 ± 2.7	45686 ± 4.3		45887 ± 3.7
May	44315 ± 6.6	46138 ± 5.3	45688 ± 5.9		45888 ± 6.2
Jun.	44312 ± 0.0	46139 ± 4.0	45690 ± 5.1		45890 ± 5.1
Jul.	44317 ± 6.0	46138 ± 3.2	45692 ± 4.0	47293 ± 2.9	45889 ± 3.9
Aug.	44318 ± 4.8	46139 ± 3.4	45692 ± 4.6	47294 ± 4.4	45890 ± 4.4
Sep.	44324 ± 4.7	46141 ± 4.1	45694 ± 5.7	47296 ± 4.7	45893 ± 5.4
Oct.		46141 ± 3.3	45695 ± 3.9	47296 ± 3.5	45894 ± 4.2
Nov.		46135 ± 3.0	45688 ± 3.1	47289 ± 2.9	45886 ± 3.4
Dec.		46140 ± 4.0	45692 ± 4.7	47295 ± 4.1	45893 ± 5.3
1976, Jan.	44320 ± 4.7	46137 ± 3.9	45688 ± 4.0	47293 ± 3.8	45890 ± 5.0
Feb.	44319 ± 5.2	46138 ± 3.9	45690 ± 4.2	47295 ± 3.6	45891 ± 4.8
Mar.	44320 ± 9.0	46137 ± 6.9	45687 ± 8.0	47294 ± 6.8	45890 ± 9.1
Apr.	44322 ± 6.8	46140 ± 5.8	45690 ± 6.7	47297 ± 5.7	45893 ± 7.3
May	44326 ± 6.8	46145 ± 5.5	45696 ± 7.1	47302 ± 6.1	45899 ± 6.8
Jun.	44334 ± 4.2	46149 ± 3.5	45703 ± 5.0	47305 ± 3.6	45904 ± 4.1
Jul.	44337 ± 4.5	46150 ± 3.8	45702 ± 3.7	47317 ± 9.7	45906 ± 4.4
Aug.	44335 ± 6.0	46148 ± 5.2	45705 ± 3.9	47306 ± 7.2	45905 ± 6.5
Sep.	44332 ± 3.9	46146 ± 4.1	45696 ± 4.6	47303 ± 4.4	45903 ± 4.8
Oct.	44334 ± 6.5	46148 ± 5.1	45692 ± 9.0	47305 ± 5.6	45905 ± 6.2
Nov.	44334 ± 3.4	46146 ± 2.7	45696 ± 3.2	47303 ± 2.8	45904 ± 3.4
Dec.	44334 ± 6.4	46147 ± 5.4	45698 ± 5.6	47304 ± 5.4	45904 ± 6.5
1977, Jan.	44333 ± 4.4	46146 ± 4.2	45698 ± 6.1	47304 ± 4.4	45904 ± 5.8
Feb.	44335 ± 5.4	46150 ± 5.1	45701 ± 5.8	47306 ± 5.3	45907 ± 6.2
Mar.	44337 ± 4.3	46153 ± 3.7	45704 ± 4.1	47311 ± 3.9	45911 ± 4.7
Apr.	44337 ± 6.1	46151 ± 5.5	45703 ± 5.6	47309 ± 4.9	45909 ± 6.2
May	44342 ± 9.5	46156 ± 8.2	45709 ± 9.8	47314 ± 7.6	45915 ± 9.6
Jun.	44343 ± 4.4	46158 ± 4.1	45709 ± 5.8	47315 ± 4.0	45917 ± 4.5
Jul.	44341 ± 3.7	46157 ± 3.2	45708 ± 3.6	47315 ± 2.7	45917 ± 4.3
Aug.	44341 ± 3.4	46156 ± 3.1	45708 ± 5.4	47311 ± 5.4	45915 ± 4.2
Sep.	44344 ± 5.3	46159 ± 5.7	45713 ± 6.7	47318 ± 5.7	45919 ± 6.7
Oct.	44343 ± 8.2	46158 ± 5.6	45710 ± 6.3	47316 ± 5.9	45917 ± 7.3
Nov.	44344 ± 3.0	46160 ± 1.9	45713 ± 1.9	47318 ± 2.8	45921 ± 2.5
Dec.	44341 ± 6.4	46158 ± 5.5	45711 ± 5.8	47316 ± 5.5	45918 ± 6.6

第4a表 柿岡を基準とした全磁力差の月平均値

Table 4a Monthly means of difference in the total intensity with reference to Kakioka Magnetic Observatory on the basis of all day data.

	Me-Ka	KMU-Ka	Mz-Ka	Kz-Ka	No-Ka
1973, Jan.	3196.2 ± 2.7		1195.2 ± 2.1	-467.1 ± 1.0	
Feb.	3196.5 ± 2.9		1196.0 ± 1.9	-466.9 ± 1.9	
Mar.	3197.7 ± 2.8		1196.2 ± 2.2	-467.1 ± 1.5	
Apr.	3199.4 ± 4.5		1197.0 ± 2.9	-467.8 ± 1.4	
May	3197.2 ± 3.5		1196.0 ± 1.6	-467.8 ± 0.9	
Jun.	3194.6 ± 2.8		1194.7 ± 1.8	-467.1 ± 1.0	
Jul.	3193.2 ± 2.8		1194.4 ± 1.9	-467.7 ± 1.2	
Aug.	3191.5 ± 3.1		1194.4 ± 2.1	-468.2 ± 1.1	497.4 ± 4.5
Sep.	3192.3 ± 3.0		1193.3 ± 2.0	-468.0 ± 1.8	
Oct.	3191.6 ± 3.0		1192.6 ± 2.1	-468.4 ± 6.0	
Nov.	3191.2 ± 2.4		1192.1 ± 1.9	-467.7 ± 1.6	
Dec.	3189.2 ± 2.4		1192.2 ± 1.5	-466.9 ± 0.9	495.5 ± 1.3*
1974, Jan.	3189.5 ± 2.3		1192.2 ± 2.3	-466.9 ± 1.4	
Feb.	3190.3 ± 2.6		1193.3 ± 2.5	-467.2 ± 1.8	
Mar.	3191.7 ± 3.2		1193.5 ± 2.1	-467.4 ± 1.5	497.1 ± 1.8
Apr.	3191.3 ± 3.0		1192.9 ± 1.6	-466.8 ± 1.2	494.9 ± 1.4*
May	3190.9 ± 1.9		1193.7 ± 1.9	-467.3 ± 1.1	497.6 ± 1.6
Jun.	3189.4 ± 1.8		1193.6 ± 1.6	-466.4 ± 0.7	498.4 ± 1.1
Jul.	3192.7 ± 4.1		1194.3 ± 2.3	-466.9 ± 1.7	496.1 ± 1.6
Aug.	3189.7 ± 2.7		1193.7 ± 2.0	-467.2 ± 1.1	496.1 ± 1.2
Sep.	3189.3 ± 3.8		1192.9 ± 2.0	-466.8 ± 1.3	498.8 ± 1.4
Oct.	3190.0 ± 2.6		1191.6 ± 1.8	-467.2 ± 2.3	493.5 ± 2.5
Nov.	3188.8 ± 3.3		1190.9 ± 2.1	-465.9 ± 1.7	493.0 ± 2.7
Dec.	3187.0 ± 3.2		1190.1 ± 2.6	-466.5 ± 2.1	493.3 ± 2.6
1975, Jan.	3186.5 ± 2.5		1190.6 ± 2.2	-465.7 ± 1.0	492.7 ± 1.2
Feb.	3186.3 ± 2.1		1190.8 ± 1.7	-465.2 ± 1.0	490.5 ± 1.7
Mar.	3186.9 ± 2.6		1190.7 ± 1.9	-465.3 ± 1.1	490.0 ± 1.4
Apr.	3185.2 ± 1.8		1191.0 ± 1.4	-465.8 ± 0.7	491.7 ± 2.1
May	3184.7 ± 1.8		1191.1 ± 1.3	-465.5 ± 0.9	492.2 ± 1.7
Jun.	3182.4 ± 3.2		1190.7 ± 1.7	-466.5 ± 3.5	493.0 ± 1.7
Jul.	3183.5 ± 2.8		1190.5 ± 1.4	-467.4 ± 2.9	494.4 ± 1.5
Aug.	3181.8 ± 2.0		1189.6 ± 1.3	-466.0 ± 0.9	495.7 ± 1.4
Sep.	3180.9 ± 2.9		1190.1 ± 1.9	-466.8 ± 4.7	496.4 ± 1.5
Oct.	3180.6 ± 2.2		1190.0 ± 1.1	-465.4 ± 0.8	494.8 ± 1.5
Nov.	3183.3 ± 4.6		1191.1 ± 3.5	-466.5 ± 1.9	495.0 ± 7.4
Dec.	3179.7 ± 2.6		1189.5 ± 2.0	-465.4 ± 1.4	494.2 ± 1.6
1976, Jan.	3180.6 ± 2.6		1190.2 ± 1.6	-465.2 ± 0.8	494.0 ± 1.7
Feb.	3180.9 ± 3.8		1190.7 ± 1.9	-466.1 ± 1.4	493.5 ± 1.8
Mar.	3180.9 ± 3.8		1190.3 ± 1.9	-466.1 ± 0.8	493.2 ± 2.1
Apr.	3182.6 ± 4.1	2615.2 ± 4.3	1191.3 ± 1.6	-466.2 ± 1.1	494.1 ± 2.3
May	3179.9 ± 2.9	2612.5 ± 2.5	1190.3 ± 1.3	-465.0 ± 1.0	494.1 ± 2.0
Jun.	3177.6 ± 2.3	2610.9 ± 2.2	1189.9 ± 1.6	-464.3 ± 0.9	495.5
Jul.	3177.2 ± 2.2	2610.4 ± 1.6	1190.1 ± 1.6	-464.1 ± 2.3	495.5
Aug.	3176.3 ± 3.5		1189.7 ± 2.6	-465.6 ± 1.9	495.5
Sep.	3175.8 ± 2.6	2609.5 ± 1.8*	1189.1 ± 2.2	-465.0 ± 1.4	494.5
Oct.	3175.0 ± 2.5	2609.2 ± 1.4	1188.4 ± 2.5	-465.0 ± 0.9	494.5
Nov.	3175.1 ± 1.7	2608.9 ± 1.8	1188.0 ± 1.2	-464.9 ± 0.9	493.5
Dec.	3174.7 ± 2.3	2608.9 ± 2.1	1187.1 ± 1.9	-464.2 ± 1.0	493.5
1977, Jan.	3173.4 ± 3.0	2608.5 ± 2.3*	1187.2 ± 1.9	-463.6 ± 1.0	492.5
Feb.	3174.1 ± 2.2	2606.2 ± 3.6*	1187.8 ± 1.5	-462.8 ± 2.2	494.5
Mar.	3172.8 ± 1.7	2608.0 ± 2.8*	1187.1 ± 1.5	-464.3 ± 0.9	493.5
Apr.	3174.4 ± 2.6	2609.3 ± 2.5	1188.1 ± 1.7	-465.0 ± 1.2	497.5
May	3172.9 ± 3.4	2608.1 ± 2.7	1187.4 ± 2.2	-464.0 ± 1.3	493.5
Jun.	3170.9 ± 1.8	2605.9 ± 1.4	1187.0 ± 1.3	-463.2 ± 0.8*	496.5
Jul.	3171.9 ± 2.6	2607.1 ± 2.9	1187.3 ± 1.6	-463.7 ± 3.4	496.5
Aug.	3171.7 ± 2.8	2607.3 ± 1.9	1187.7 ± 2.2	-463.5 ± 4.4	495.5
Sep.	3171.1 ± 4.3	2607.4 ± 3.4	1187.1 ± 2.3	-463.6 ± 1.3	494.5
Oct.	3170.9 ± 4.7	2607.2 ± 3.1	1187.8 ± 2.5	-463.4 ± 1.3	492.5
Nov.	3169.5 ± 2.3	2606.0 ± 2.3	1186.7 ± 1.3	-462.7 ± 0.8	496.5
Dec.	3169.3 ± 3.2	2604.8 ± 2.7	1186.7 ± 1.3	-462.4 ± 0.8	497.5

第4b表 柿岡を基準とした全磁力差の月平均値

Table 4b Monthly means of difference in the total intensity with reference to Kakioka Magnetic Observatory on the basis of all day data.

	Ha-Ka	Ya-Ka	Ss-Ka	To-Ka	Ky-Ka
1973, Jan.	-1575.7 ± 2.0	251.3 ± 1.4	-201.9 ± 1.9	1407.4 ± 2.2	-6.9 ± 1.7
Feb.	-1577.3 ± 1.8	252.3 ± 1.9	-200.6 ± 3.4	1408.3 ± 1.8	-6.6 ± 2.2
Mar.	-1583.6 ± 4.7	251.2 ± 2.3	-203.1 ± 2.8	1407.8 ± 1.8	-7.7 ± 2.1
Apr.	-1582.3 ± 7.5	251.9 ± 1.3	-203.5 ± 2.2	1408.2 ± 2.0	-8.4 ± 3.3
May	-1576.8 ± 1.3	252.3 ± 0.8	-202.6 ± 1.5	1408.7 ± 0.9	-6.4 ± 2.0
Jun.	-1575.4 ± 1.6	252.1 ± 1.2	-201.3 ± 2.0	1408.7 ± 1.9	-4.7 ± 2.4
Jul.	-1574.0 ± 1.2	252.3 ± 1.4	-202.4 ± 2.0	1409.6 ± 2.6	-3.3 ± 2.5
Aug.	-1573.5 ± 1.0	251.9 ± 1.1	-201.5 ± 3.4	1408.6 ± 1.7	-4.2 ± 2.6
Sep.	-1574.2 ± 2.3	250.7 ± 1.8	-200.4 ± 3.0	1406.4 ± 2.5	-5.0 ± 3.0
Oct.	-1573.7 ± 1.8	250.9 ± 1.1	-201.3 ± 1.7	1406.1 ± 2.6	-4.2 ± 2.7
Nov.	-1574.3 ± 2.0	250.9 ± 0.9	-201.6 ± 1.9	1406.8 ± 1.7	-3.8 ± 1.4
Dec.	-1574.9 ± 1.6	251.1 ± 0.8	-199.9 ± 2.2	1407.0 ± 1.3	-2.1 ± 1.6
1974, Jan.	-1574.9 ± 2.2	251.6 ± 1.5	-201.2 ± 2.1	1407.0 ± 1.9	-3.1 ± 1.6
Feb.	-1572.9 ± 1.4	252.7 ± 1.5	-201.2 ± 2.0	1408.1 ± 2.3	-2.6 ± 1.7
Mar.	-1573.6 ± 1.6	252.4 ± 1.0	-202.0 ± 2.1	1406.6 ± 5.2	-4.3 ± 2.7
Apr.	-1574.6 ± 1.9	252.3 ± 1.0	-201.1 ± 2.1	1407.0 ± 2.2	-3.3 ± 2.8
May	-1571.2 ± 1.4	252.7 ± 1.1	-201.2 ± 1.3	1408.1 ± 2.0	-2.1 ± 1.8
Jun.	-1570.1 ± 2.0	253.0 ± 1.1	-200.5 ± 1.5	1408.0 ± 1.6	-1.1 ± 1.7
Jul.	-1572.2 ± 2.7	252.1 ± 1.6	-200.8 ± 2.4	1407.2 ± 2.5*	-3.7 ± 3.3
Aug.	-1571.9 ± 1.5	252.3 ± 1.0	-199.7 ± 1.5		-2.2 ± 2.4
Sep.	-1573.0 ± 2.4	252.2 ± 1.2	-198.5 ± 2.6		-2.2 ± 3.0
Oct.	-1574.1 ± 2.4	251.6 ± 1.5	-200.1 ± 1.6	1409.1 ± 3.0*	-1.9 ± 3.2
Nov.	-1573.3 ± 2.3*	252.0 ± 1.8	-199.3 ± 2.1	1407.7 ± 2.9	-0.9 ± 3.1
Dec.	-1573.0 ± 1.5*	251.0 ± 1.9	-199.6 ± 2.7	1405.6 ± 2.3	-1.8 ± 3.0
1975, Jan.	-1574.0 ± 1.0*	251.4 ± 1.9	-200.0 ± 1.8	1407.7 ± 1.1*	-0.4 ± 2.2
Feb.	-1573.7 ± 1.5	251.9 ± 0.9	-200.0 ± 1.4	1406.6 ± 4.5	-0.1 ± 1.4
Mar.	-1574.2 ± 2.2	252.3 ± 1.1	-199.9 ± 1.7	1409.9 ± 3.7	0.0 ± 2.2
Apr.	-1571.0 ± 1.8	253.1 ± 0.9	-199.7 ± 2.0		1.9 ± 1.5
May	-1569.6 ± 1.6	253.2 ± 1.1	-197.1 ± 1.4		2.7 ± 1.3
Jun.	-1571.2 ± 1.1*	253.1 ± 0.5	-195.8 ± 1.7		3.9 ± 1.8
Jul.	-1568.7 ± 2.3*	252.6 ± 0.8	-194.0 ± 2.1	1408.1 ± 1.6	2.8 ± 2.6
Aug.	-1568.3 ± 2.2	252.7 ± 0.8	-193.8 ± 1.7	1408.2 ± 2.2*	3.9 ± 2.2
Sep.	-1564.5 ± 2.0	254.0 ± 2.6	-193.6 ± 2.5	1407.9 ± 1.9	4.8 ± 2.3
Oct.		253.6 ± 1.6	-194.0 ± 1.9	1407.8 ± 1.5	4.8 ± 1.9
Nov.		252.9 ± 1.5	-195.1 ± 3.0	1406.8 ± 2.5	2.0 ± 3.6
Dec.		252.4 ± 1.0	-195.4 ± 1.8	1406.8 ± 2.7	4.7 ± 2.2
1976, Jan.	-1566.0 ± 2.4	252.0 ± 1.1	-196.8 ± 2.4	1408.3 ± 1.9	4.6 ± 2.0
Feb.	-1566.4 ± 2.1	252.5 ± 0.7	-195.1 ± 1.6	1409.0 ± 1.3	4.8 ± 2.5
Mar.	-1567.2 ± 3.4	252.0 ± 1.2	-196.6 ± 1.8	1408.5 ± 1.8	4.2 ± 4.1
Apr.	-1566.9 ± 4.0*	253.0 ± 1.2	-197.3 ± 1.6	1409.9 ± 1.7	4.7 ± 3.7
May	-1565.8 ± 2.2	253.2 ± 0.7	-195.6 ± 2.2	1410.0 ± 1.4	7.0 ± 1.9
Jun.	-1563.4 ± 2.4*	253.3 ± 1.0	-193.5 ± 3.5	1410.1 ± 1.6	8.5 ± 2.2
Jul.	-1561.2 ± 1.9	253.0 ± 0.7	-195.2 ± 1.6	1416.2 ± 9.1	8.5 ± 2.0
Aug.	-1561.0 ± 1.4	252.9 ± 0.9	-196.0 ± 2.7*	1412.7 ± 7.3	8.6 ± 2.2
Sep.	-1561.8 ± 1.7	252.4 ± 1.1	-199.5 ± 2.6	1409.2 ± 1.6	8.1 ± 1.9
Oct.	-1560.4 ± 1.4	252.6 ± 0.8	-202.8 ± 6.7	1409.7 ± 1.3	9.2 ± 1.8
Nov.	-1559.7 ± 1.7	252.8 ± 0.8	-197.1 ± 1.8	1409.6 ± 2.0	9.2 ± 2.0
Dec.	-1561.5 ± 2.2	252.0 ± 1.7	-196.7 ± 2.1	1408.2 ± 3.8	9.0 ± 2.5
1977, Jan.	-1561.2 ± 1.1	252.6 ± 1.0	-195.5 ± 2.0	1410.0 ± 1.8	10.0 ± 1.5
Feb.	-1563.3 ± 0.9	252.9 ± 0.7	-197.1 ± 1.3	1410.0 ± 1.3	9.5 ± 1.4
Mar.	-1561.9 ± 1.5	253.1 ± 1.4	-196.3 ± 1.4	1410.9 ± 1.2	11.0 ± 1.3
Apr.	-1561.0 ± 1.8	253.8 ± 1.1	-196.8 ± 1.3	1411.7 ± 1.6	11.0 ± 1.4
May	-1560.6 ± 1.6	253.7 ± 0.9	-195.2 ± 2.2	1411.6 ± 1.7	11.7 ± 2.8
Jun.	-1560.5 ± 1.7	254.3 ± 0.7	-195.1 ± 2.5*	1411.9 ± 1.8	13.9 ± 1.1
Jul.	-1562.2 ± 2.2	253.7 ± 1.0	-197.0 ± 1.7	1411.6 ± 2.1	12.6 ± 2.3
Aug.	-1562.4 ± 1.0	253.7 ± 1.5	-197.2 ± 3.1*	1411.5 ± 4.5	11.3 ± 2.1
Sep.	-1562.5 ± 3.0	253.5 ± 1.1	-192.7 ± 2.0	1411.2 ± 2.5	11.9 ± 3.8
Oct.	-1563.0 ± 3.8	253.6 ± 1.2	-194.3 ± 2.5	1411.0 ± 1.9	11.7 ± 3.3
Nov.	-1564.0 ± 2.1	253.3 ± 0.8	-193.8 ± 1.1	1410.8 ± 1.9	12.7 ± 2.1
Dec.	-1563.9 ± 2.5	253.1 ± 1.0	-193.4 ± 1.4	1410.3 ± 1.6	12.5 ± 2.8

第5a表 柿岡を基準とした全磁力差の静穏日月平均値

Table 5a Monthly means of difference in the total intensity with reference to Kakioka Magnetic Observatory on the basis of quiet day data.

	Me-Ka	KMU-Ka	Mz-Ka	Kz-Ka	No-Ka
1973, Jan.	3195.3 ± 1.4		1194.1 ± 1.2	-467.6 ± 0.4	
Feb.	3195.1 ± 1.1		1195.3 ± 0.8	-466.9 ± 0.5	
Mar.	3195.9 ± 1.5		1195.7 ± 1.0	-466.5 ± 0.6	
Apr.	3197.9 ± 2.1		1196.1 ± 0.9	-467.2 ± 0.6	
May	3195.0 ± 2.1		1195.8 ± 1.3	-467.8 ± 0.8	
Jun.	3194.3 ± 2.2		1194.9 ± 1.6	-467.4 ± 0.7	
Jul.	3192.3 ± 2.3		1194.1 ± 1.2	-467.6 ± 1.2	
Aug.	3189.7 ± 2.3		1193.2 ± 1.4	-467.7 ± 0.6	496.2 ± 5.2
Sep.	3191.8 ± 1.9		1193.8 ± 0.9	-468.4 ± 1.8	
Oct.	3190.8 ± 2.6		1192.9 ± 1.5	-467.5 ± 0.7	
Nov.	3191.3 ± 1.5		1192.7 ± 0.8	-467.9 ± 0.7	
Dec.	3188.9 ± 1.6		1191.9 ± 0.9	-466.9 ± 0.9	496.3 ± 0.9
1974, Jan.	3188.2 ± 1.5		1191.5 ± 0.5	-467.0 ± 0.9	
Feb.	3189.3 ± 1.0		1192.3 ± 0.8	-467.1 ± 1.1	
Mar.	3190.7 ± 2.2		1192.8 ± 1.2	-466.8 ± 1.0	496.3 ± 1.7
Apr.	3188.0 ± 0.9		1191.8 ± 0.5	-465.5 ± 0.5	
May	3189.9 ± 1.8		1193.2 ± 0.9	-467.0 ± 0.6	498.0 ± 0.8
Jun.	3188.7 ± 2.0		1193.2 ± 1.0	-466.5 ± 0.4	498.5 ± 0.8
Jul.	3191.9 ± 2.1		1194.4 ± 1.0	-467.0 ± 1.0	496.0 ± 0.6
Aug.	3188.5 ± 2.4		1193.5 ± 1.1	-467.0 ± 0.5	495.4 ± 1.1
Sep.	3187.9 ± 3.8		1192.4 ± 1.8	-467.1 ± 0.7	499.1 ± 1.7
Oct.	3188.5 ± 0.8		1191.3 ± 0.4	-466.7 ± 0.7	493.9 ± 2.9
Nov.	3187.1 ± 1.1		1189.9 ± 0.3	-466.0 ± 0.6	492.5 ± 2.3
Dec.	3184.9 ± 0.9		1189.0 ± 0.6	-465.7 ± 0.6	494.3 ± 1.7
1975, Jan.	3186.1 ± 1.6		1190.7 ± 0.8	-465.4 ± 0.6	493.5 ± 1.0
Feb.	3185.6 ± 0.6		1190.5 ± 0.6	-465.5 ± 1.1	489.6 ± 0.8
Mar.	3185.3 ± 1.4		1190.2 ± 0.7	-464.9 ± 0.7	490.1 ± 0.8
Apr.	3184.4 ± 1.3		1190.9 ± 0.8	-465.6 ± 0.4	493.0 ± 2.2
May	3184.2 ± 2.1		1190.7 ± 1.1	-465.3 ± 0.7	492.4 ± 2.1
Jun.	3182.7 ± 1.9		1191.1 ± 1.3	-467.6 ± 4.6	493.4 ± 1.6
Jul.	3182.3 ± 1.8		1190.2 ± 1.1	-466.9 ± 1.0	494.2 ± 0.7
Aug.	3181.6 ± 1.4		1189.7 ± 1.1	-465.9 ± 0.7	495.6 ± 1.5
Sep.	3179.9 ± 1.9		1189.6 ± 0.9	-465.5 ± 0.4	496.6 ± 1.4
Oct.	3179.8 ± 1.4		1189.8 ± 0.8	-465.2 ± 0.6	494.7 ± 1.8
Nov.	3181.7 ± 1.2		1190.4 ± 0.7	-466.2 ± 0.5	494.7 ± 1.7
Dec.	3178.4 ± 1.8		1189.4 ± 0.6	-465.8 ± 0.8	494.9 ± 1.5
1976, Jan.	3180.1 ± 2.1		1189.7 ± 0.7	-465.0 ± 0.4	493.2 ± 1.8
Feb.	3179.4 ± 1.9		1190.0 ± 1.0	-466.0 ± 0.6	492.7 ± 1.8
Mar.	3180.3 ± 3.7		1190.3 ± 1.7	-466.2 ± 0.3	493.4 ± 1.2
Apr.	3180.9 ± 2.0	2613.1 ± 1.5	1190.6 ± 0.8	-466.3 ± 0.7	493.9 ± 1.6
May	3179.4 ± 2.5	2611.7 ± 2.2	1190.3 ± 1.2	-465.0 ± 1.0	494.5 ± 2.2
Jun.	3177.5 ± 1.8	2610.4 ± 1.6	1190.0 ± 0.7	-464.4 ± 0.7	497.0
Jul.	3176.7 ± 1.9	2609.8 ± 1.9	1190.6 ± 1.7	-463.5 ± 3.1	495.5
Aug.	3174.9 ± 2.6		1188.7 ± 2.1	-465.4 ± 2.1	492.5
Sep.	3175.3 ± 1.7	2609.5 ± 1.0	1189.6 ± 2.2	-465.4 ± 0.9	494.5
Oct.	3174.1 ± 2.3	2609.1 ± 2.2	1187.2 ± 0.7	-465.4 ± 1.0	493.5
Nov.	3174.5 ± 1.1	2608.3 ± 1.0	1187.7 ± 0.6	-464.9 ± 0.6	494.5
Dec.	3173.7 ± 1.9	2607.8 ± 1.5	1187.1 ± 0.9	-463.9 ± 0.7	494.5
1977, Jan.	3173.9 ± 2.3	2608.4 ± 1.1	1187.5 ± 1.1	-464.1 ± 0.4	494.5
Feb.	3172.8 ± 1.7	2607.0 ± 0.0	1186.7 ± 0.7	-461.9 ± 3.6	493.5
Mar.	3172.1 ± 1.4		1186.9 ± 0.8	-463.8 ± 0.9	494.5
Apr.	3173.7 ± 2.3	2608.0 ± 2.0	1187.7 ± 1.5	-464.7 ± 1.0	494.5
May	3172.5 ± 2.9	2607.1 ± 2.4	1187.1 ± 1.3	-463.9 ± 0.9	494.5
Jun.	3171.4 ± 1.2	2605.9 ± 1.4	1187.3 ± 0.7	-463.2 ± 0.4	498.5
Jul.	3171.1 ± 1.0	2605.5 ± 1.4	1187.2 ± 0.6	-463.9 ± 2.1	494.5
Aug.	3171.5 ± 2.0	2607.2 ± 2.3	1187.0 ± 0.7	-463.9 ± 0.4	493.5
Sep.	3169.1 ± 2.1	2605.8 ± 2.2	1186.7 ± 1.1	-463.6 ± 0.7	495.5
Oct.	3169.4 ± 2.2	2605.7 ± 1.6	1187.4 ± 0.8	-463.2 ± 0.8	494.5
Nov.	3168.8 ± 0.9	2604.8 ± 1.2	1186.4 ± 0.5	-462.5 ± 0.7	495.5
Dec.	3168.9 ± 1.9	2604.5 ± 1.2	1186.8 ± 1.1	-462.4 ± 0.7	499.5

第5b表 柿岡を基準とした全磁力差の静穏日月平均値

Table 5b Monthly means of difference in the total intensity with reference to Kakioka Magnetic Observatory on the basis of quiet day data.

	Ha-Ka	Ya-Ka	Ss-Ka	To-Ka	Ky-Ka
1973, Jan.	-1574.2 ± 1.2	251.6 ± 0.6	-202.8 ± 0.6	1408.6 ± 0.9	-5.8 ± 1.3
Feb.	-1576.1 ± 1.0	252.0 ± 0.3	-201.8 ± 0.7	1408.3 ± 0.7	-5.4 ± 1.5
Mar.	-1584.5 ± 4.8	250.3 ± 3.3	-201.7 ± 0.7	1408.8 ± 0.7	-5.0 ± 1.1
Apr.	-1583.2 ± 5.9	252.1 ± 0.4	-203.1 ± 1.2	1408.5 ± 0.4	-6.6 ± 1.3
May	-1577.3 ± 0.6	252.4 ± 0.5	-202.2 ± 1.0	1408.9 ± 0.7	-5.6 ± 1.3
Jun.	-1574.4 ± 1.1	252.4 ± 0.8	-201.6 ± 1.5	1409.1 ± 1.0	-3.7 ± 1.1
Jul.	-1573.6 ± 0.9	252.5 ± 0.6	-201.7 ± 2.0	1409.9 ± 1.5	-2.2 ± 1.0
Aug.	-1573.7 ± 1.0	251.5 ± 0.9	-199.9 ± 2.9	1408.1 ± 1.7	-2.8 ± 1.2
Sep.	-1573.8 ± 1.4	251.3 ± 1.4	-200.4 ± 2.9	1407.9 ± 1.1	-3.3 ± 1.7
Oct.	-1572.1 ± 0.7	251.5 ± 0.6	-201.1 ± 1.7	1407.3 ± 0.9	-2.6 ± 1.1
Nov.	-1574.1 ± 1.6	251.2 ± 0.7	-201.3 ± 0.8	1407.3 ± 1.2	-3.3 ± 0.9
Dec.	-1575.1 ± 1.0	251.2 ± 0.7	-199.1 ± 1.3	1407.2 ± 1.2	-1.5 ± 1.0
1974, Jan.	-1573.9 ± 1.0	251.8 ± 0.7	-200.7 ± 1.5	1407.5 ± 0.8	-1.7 ± 1.1
Feb.	-1572.6 ± 1.4	252.4 ± 0.9	-200.2 ± 1.9	1407.5 ± 1.1	-1.5 ± 1.6
Mar.	-1572.9 ± 0.4	252.2 ± 0.7	-201.4 ± 0.7	1401.9 ± 12.2	-2.9 ± 1.0
Apr.	-1572.5 ± 0.9	252.7 ± 0.4	-199.4 ± 0.4	1407.3 ± 1.9	-0.4 ± 1.0
May	-1570.3 ± 0.6	252.7 ± 0.3	-200.4 ± 0.9	1407.8 ± 1.0	-0.8 ± 1.2
Jun.	-1569.9 ± 1.4	253.1 ± 0.5	-199.8 ± 1.7	1408.3 ± 0.7	-0.1 ± 0.6
Jul.	-1570.8 ± 1.7	252.4 ± 0.8	-200.9 ± 1.2	1408.0 ± 1.9	-2.5 ± 2.2
Aug.	-1571.0 ± 1.0	252.7 ± 0.4	-199.9 ± 1.3		-0.6 ± 1.4
Sep.	-1571.9 ± 2.6	252.6 ± 0.7	-197.7 ± 3.2		-1.2 ± 2.8
Oct.	-1572.2 ± 1.0	252.3 ± 0.6	-199.7 ± 0.8	1410.2 ± 0.0	0.5 ± 2.6
Nov.	-1573.0 ± 1.2	252.0 ± 0.5	-199.0 ± 1.5	1410.8 ± 2.4	0.7 ± 1.3
Dec.	-1572.1 ± 0.7	251.5 ± 0.1	-198.4 ± 1.4	1406.0 ± 0.0	1.3 ± 0.3
1975, Jan.	-1573.9 ± 1.8	252.0 ± 1.0	-198.9 ± 1.0		1.2 ± 1.5
Feb.	-1573.8 ± 0.9	252.2 ± 0.8	-199.8 ± 0.9		0.9 ± 1.2
Mar.	-1572.6 ± 1.8	252.5 ± 0.8	-199.2 ± 0.7		1.4 ± 0.8
Apr.	-1569.8 ± 1.0	253.1 ± 0.5	-197.9 ± 1.8		3.0 ± 1.3
May	-1571.6 ± 0.8	253.1 ± 0.6	-196.5 ± 1.0		2.7 ± 1.5
Jun.	-1569.7 ± 2.0	253.3 ± 0.3	-196.4 ± 1.7		3.8 ± 2.1
Jul.	-1567.3 ± 1.9	252.9 ± 0.6	-193.2 ± 1.8	1408.4 ± 1.3	4.0 ± 1.3
Aug.	-1568.3 ± 2.4	252.6 ± 0.7	-193.5 ± 1.7	1407.7 ± 1.7	4.2 ± 1.6
Sep.	-1563.7 ± 1.1	253.6 ± 0.7	-193.7 ± 2.4	1408.1 ± 1.2	5.4 ± 1.9
Oct.	-1565.3 ± 2.1	253.6 ± 0.5	-193.3 ± 1.3	1408.2 ± 0.8	5.8 ± 1.2
Nov.	-1565.9 ± 1.5	252.8 ± 0.8	-194.1 ± 0.9	1407.4 ± 0.9	4.1 ± 0.9
Dec.	-1565.5 ± 1.9	252.7 ± 0.6	-195.1 ± 1.9	1407.8 ± 0.8	6.0 ± 1.8
1976, Jan.		251.7 ± 0.4	-196.7 ± 1.1	1408.2 ± 0.4	5.1 ± 1.4
Feb.		252.5 ± 0.2	-195.2 ± 1.5	1409.3 ± 0.5	5.9 ± 1.0
Mar.		252.3 ± 0.5	-198.0 ± 1.3	1409.1 ± 0.5	5.2 ± 2.0
Apr.	-1565.0 ± 1.6	253.1 ± 0.7	-196.9 ± 1.2	1410.2 ± 0.8	6.2 ± 1.8
May	-1564.9 ± 1.8	253.4 ± 0.5	-194.8 ± 2.6	1410.4 ± 0.6	7.7 ± 1.6
Jun.	-1562.0 ± 1.3	253.6 ± 0.6	-192.4 ± 3.8	1410.4 ± 1.0	8.8 ± 1.5
Jul.	-1559.9 ± 1.6	253.3 ± 0.7	-194.8 ± 1.6	1420.2 ± 9.4	9.8 ± 1.7
Aug.	-1560.7 ± 1.5	252.8 ± 0.7	-194.1 ± 2.0	1411.0 ± 5.0	9.7 ± 1.5
Sep.	-1561.3 ± 1.0	252.7 ± 0.9	-198.5 ± 2.0	1409.7 ± 1.3	9.0 ± 1.6
Oct.	-1560.5 ± 1.7	252.4 ± 0.6	-203.8 ± 7.1	1410.1 ± 0.9	10.0 ± 1.5
Nov.	-1559.3 ± 1.5	252.8 ± 0.3	-197.1 ± 1.5	1409.9 ± 1.2	10.3 ± 1.5
Dec.	-1560.4 ± 1.2	252.5 ± 0.6	-196.0 ± 1.9	1409.5 ± 1.4	10.3 ± 1.6
1977, Jan.	-1561.1 ± 0.6	252.5 ± 0.6	-196.0 ± 2.2	1410.0 ± 1.1	10.0 ± 1.5
Feb.	-1563.0 ± 1.0	252.5 ± 0.6	-196.5 ± 1.3	1409.3 ± 1.1	10.4 ± 1.6
Mar.	-1561.7 ± 1.2	253.2 ± 0.4	-196.6 ± 0.7	1410.8 ± 0.8	11.2 ± 1.1
Apr.	-1560.3 ± 0.8	253.2 ± 0.8	-196.6 ± 0.5	1411.4 ± 1.3	11.2 ± 0.9
May	-1560.5 ± 1.5	253.8 ± 0.7	-194.5 ± 1.9	1411.6 ± 0.9	12.1 ± 2.1
Jun.	-1560.1 ± 1.2	254.4 ± 0.5	-193.9 ± 2.8	1412.0 ± 0.8	14.0 ± 0.8
Jul.	-1561.7 ± 1.5	253.7 ± 0.6	-196.1 ± 1.1	1411.3 ± 0.6	13.3 ± 1.5
Aug.	-1562.1 ± 0.7	253.3 ± 0.4	-195.3 ± 1.4	1408.7 ± 4.9	11.9 ± 1.5
Sep.	-1560.8 ± 2.4	254.1 ± 0.4	-191.5 ± 1.3	1412.5 ± 0.7	14.4 ± 1.4
Oct.	-1561.0 ± 2.7	253.7 ± 0.3	-194.4 ± 1.5	1411.5 ± 0.9	12.8 ± 2.0
Nov.	-1562.9 ± 1.5	253.4 ± 0.6	-193.6 ± 1.0	1411.0 ± 1.5	13.9 ± 1.1
Dec.	-1563.2 ± 1.6	253.5 ± 0.7	-193.3 ± 1.0	1410.9 ± 0.9	13.1 ± 1.4