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A COMPILATION OF MAGNETIC OBSERVATORIES

BY
JOSEPH C. CAIN
AND
CHRISTOPHER D. WRIGHT

MARCH 5, 1964



———— GODDARD SPACE FLIGHT CENTER ————
GREENBELT, MARYLAND

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C. Mnemonic Code

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I. INTRODUCTION

The purpose of this report is to give in a preliminary way a listing of current and past magnetic observatories. This compilation should be useful in assessing the observatories accruing data during the IQSY and those for which past data are available for studying variations and secular changes of the field. A much more detailed and comprehensive evaluation of the observatories' position, annual mean values, sources of data and pertinent notes is planned for publication in the IAGA Bulletin by the Working Group on Magnetic Observatories.

The criterion for inclusion of an extinct magnetic observatory in the main listing is that it operated continuously for two years or more recording both the absolute values and daily variation of the vector field. A separate list is given of stations operating for less than two full years.

A currently operating observatory has been included if it has been continuously recording for more than a few months and its operation is planned at least through the IQSY. A few special and variometer stations are included and are so marked.

The systematic classification of the operation of magnetic observatories is inherently a very difficult task because of the many ways in which their status changes. Magnetic variometer equipment is sometimes operated intermittently at several different locations with or without the measurement of absolute values. Such details have been omitted from this compilation since their inclusion would involve many footnotes or a large array of coded information.

II. DESCRIPTION OF TABLES

The tabular compilations of observatories is given in three different

groups. Tables Ia, b and c give what are believed to be the currently operating observatories in order by geographic latitude, sponsoring country, and mnemonic code respectively. The second set of similar tables (II a, b and c) are ordered identically to those in the first set and list all observatories, both current and those extinct observatories that operated for over two years. A more detailed explanation of the various columns in the first two tables is given as follows:

A. Mnemonic Code

This two or three letter code is based on the IAGA designation for observatories in operation in 1959 as extended to past observatories. Due to the limitation to the use of all capital letters for machine processing it was necessary to make the following five changes to the IAGA code:

<u>Observatory:</u>	<u>IAGA:</u>	<u>Changed to:</u>	<u>Because of Conflict with:</u>
Halley Bay	HB	HY	Hurbanovo (Hb)
Leirvogur (Reyjavik)	LR	RY	Lwiro (LR)
Memambetsu	Mb	MT	M'bour (MB)
Mirny	Mi	MY	Macquarie Island (MI)
Little America	LA	LAl-5	(5 locations)

These changes have no official sanction by the IAGA and should be construed only in the context of this compilation.

B. Observatory Name

The name given here is the one by which the observatory is currently known with the inclusion in parentheses of an equivalent or older name. In the event that an observatory was moved to a new location and the name changed, it appears as a separate entry in the listing.

C. Country

It was surprisingly difficult to organize the observatories in this category and it is hoped that errors will be noted and communicated to us so they may be corrected. The criterion used here is that the country listed is the one with whom the responsibility for the observatory operation lies. For example, the Antarctic Stations operated by a given country are designated under that country instead of having a category for Antarctica. If the physical site of the observatory is outside the main boundaries of that country, this location is given in parentheses.

D. Position

The latitude and longitude of the most recent position for a given observatory are given to degrees and minutes of arc. In the few cases where an exact position is not known the position has been listed as zero.

E. Years

These two columns give the years of operation from the date of first continuous operation until its termination. A symbol of 1999 is given in the second column if the station believed to be currently in operation. If the dates are unknown these columns contain zero. These latter stations are being kept in the "CURRENT" listing until some operating dates become available.

F. Comments

These columns are very preliminary and constitute only a first attempt at an organization for special purposes that will need to be replaced later by either a much larger number of columns or by detailed footnotes.

C

This column presently contains an "M" denoting that an observatory has moved but kept the same name or an "I" for intermittent operation. In the very few cases of both categories being appropriate, the "I" has taken precedence.

REL

This column contains the mnemonic code for the most recent observatory whose operation is related to the one listed. For example both Fredericksburg (FR) and Cheltenham (CH) carry FR in this column to show that operations were continued at Fredericksburg after the closing of Cheltenham.

CAT

This last column contains three categories of information which may be of general interest. Although the original intent of the compilation was to include only those observatories where absolute values were taken it soon became apparent that such a stringent requirement would exclude a few important locations. The category "V" was thus established to indicate that current status is to record variometer data only. A special category "S" was established for the case of Brisbane which records only the north-south component. Other such special stations can be added with suitable footnotes. The third class of information contained in this last column may be of interest to users of magnetograms. An "A" designation is added for those observatories which have expressed definite plans to send microfilms of their records to the World Data Centers during the IQSY.

Table III is a supplement to Table II and includes only those stations that operated less than two years. This group of observatories is given

without mnemonic code and only in order by latitude.

Table IV gives a partially verified list of addresses corresponding to observatories believed to be currently in operation. Those that have been verified by some correspondence within the past six months (September, 1963 - February, 1964) are marked by an asterisk *.

III LOCATIONS OF OBSERVATORIES

Figure I illustrates the locations of magnetic observatories in operation since 1900 for which absolute annual means are available. The names are printed on this figure except in Europe where the high station density makes such labeling impractical. Figure 2 is a mapping of the currently operating magnetic observatories with their mnemonic codes. The designation of these observatories is by solid dots, squares or asterisks on this Figure. The last of these categories includes those stations that record field variations but do not take absolute values. The solid dots represent those stations which have already sent copies of their data to the World Data Centers or have indicated by correspondence some definite plan to do so. As in other sections of this report these designations are very tentative since the first data for January, 1964 are just being received by the data centers. The squares on the map include the remaining observatories who have not yet expressed any definite schedule of data transmission or who will not be participating.

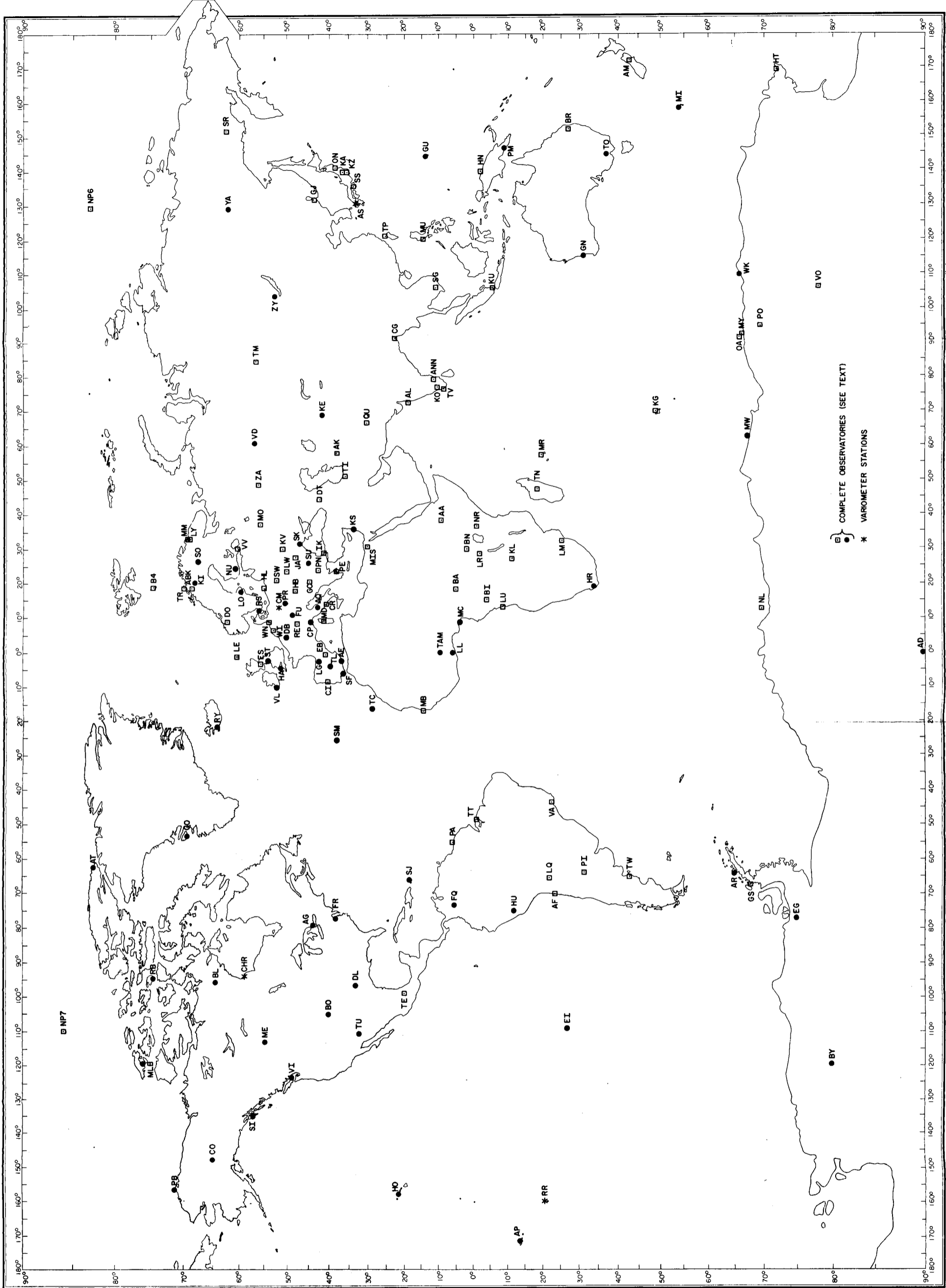


Fig. 2 Magnetic Observatories since 1900

Table I (A)
CURRENT MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
AD	ADMUNDSEN-SCOTT	USA (ANTARCTICA)	-90 0 -0 -0	1957 1999			A
BY	BYRD STATION	USA (ANTARCTICA)	-80 1 -119 31	1957 1999	M		A
VO	VOSTOK	USSR (ANTARCTICA)	-78 27 106 52	0 0			
HY	HALLEY BAY	GR.BRIT.(ANTARCTICA)	-75 31 -26 37	1957 1999			
EG	EIGHTS STATION	USA (ANTARCTICA)	-75 15 -77 15	1963 1999			A
HT	HALLETT STATION	NEW ZEALAND (ANTARCT)	-72 19 170 13	1957 1999	I		
NL	NOVC LAZAREV	USSR (ANTARCTICA)	-69 58 12 55	0 0			
PO	PICNERSKAYA	USSR (ANTARCTICA)	-69 44 95 30	0 0			
GS	GENERAL SAN MARTIN	ARGENTINA (ANTARCT)	-68 8 -67 26	0 0			
MW	MAWSON	AUSTRALIA (ANTARCT)	-67 36 62 54	1955 1999			A
MY	MIRNY	USSR (ANTARCTICA)	-66 33 93 1	1956 1999			
WK	WILKES	AUSTRALIA (ANTARCT)	-66 15 110 21	1957 1999	I		A
CA	OASIS	USSR (ANTARCTICA)	-66 6 92 9	0 0			
AR	ARGENTINE ISLANDS	GR.BRIT.(ANTARCTICA)	-65 15 -64 16	1956 1999			A
MI	MACQUARIE ISLAND	AUSTRALIA (S.PACIFIC)	-54 30 158 57	1950 1999			A
KG	KERGUELEN	FRANCE (INDIAN O.)	-49 21 70 15	1952 1999	M	KG	
TW	TRELEW	ARGENTINA	-43 15 -65 19	1957 1999			
AM	AMBERLEY	NEW ZEALAND	-43 9 172 43	1928 1999		AM	
TO	TOOLANGI	AUSTRALIA	-37 32 145 28	1919 1999		TO	A
HR	HERMANUS	REP. OF SO. AFRICA	-34 25 19 14	1940 1999		HR	A
GN	GNANGARA	AUSTRALIA	-31 47 115 57	1957 1999		GN	A
PI	PILAR	ARGENTINA	-31 40 -63 53	1905 1999			
BR	BRISBANE	AUSTRALIA	-27 32 152 55	1957 1999			S
EI	EASTER ISLAND	CHILE (SOUTH PACIFIC)	-27 10 -109 26	0 0			A
LM	LOURENCO, MARQUES	PORTUGAL (MOZAMBIQUE)	-25 55 32 35	1957 1999			
AF	ANTCFAGASTA	CHILE	-23 37 -70 16	0 0			
VA	VASSOURAS	BRAZIL	-22 54 -43 39	1915 1999		VA	
LQ	LA GUIACA	ARGENTINA	-22 7 -65 35	1920 1999	M		
RR	RAROTONGA	NEW ZEALAND (COOK IS)	-21 12 -159 46	0 1999			V
MR	MAURITIUS	GR.BRIT.(INDIAN O.)	-20 6 57 33	1900 1999		MR	
TN	TANANARIVE	FRANCE (MALAGASY RP)	-18 55 47 33	1890 1999	M		
AP	APIA	NEW ZEALAND (SAMOA)	-13 49 -171 47	1905 1999	M		A
HU	HUANCAYO	PERU	-12 3 -75 20	1922 1999			A
KL	KARAVIA	BELGIUM (BEL. CONGO)	-11 38 27 26	1958 1999		KL	
PM	PORT MORESBY	AUSTRALIA (NEW GUIN)	-9 24 147 9	1957 1999	I		A
LU	LUANDA	PORTUGAL (ANGOLA)	-8 55 13 10	1956 1999		LU	
KU	KUYPER (PULAV BURUNG)	INDONESIA	-6 2 106 44	1928 1999		KV	
BI	BINZA	BELGIUM (BEL. CONGO)	-4 23 15 16	1953 0		BI	
HN	HOLLANDIA	NETHERLANDS (N. GUIN)	-2 35 140 31	1957 1999			
LR	LWIRO	BELGIUM (BEL. CONGO)	-2 15 28 48	0 0			
NR	NAIROBI	EAST AFRICA (KENYA)	-1 15 36 49	0 1999			
TT	TATUOCA	BRAZIL	-1 12 -48 31	1933 1999	I		
NP8	NORTH POLE EIGHT	USSR	-0 -0 -0 -0	0 0			
BN	BUNIA	BELGIUM (BEL. CONGO)	1 32 30 11	0 0			
MC	MOCA	SPAIN (FERNANDO POO)	3 21 8 40	1958 1999	I		A
BA	BANGUI	FRANCE (CEN AFR REP)	4 36 18 35	1952 1999	M		
FQ	FUQUENE	COLOMBIA	5 28 -73 44	1953 1999			A
LL	LITTLE LEGON	GHANA	5 38 -0 12	0 0			A
PA	PARAMARIBO	NETHERLANDS (SURINAM)	5 49 -55 10	1957 1999			
IB	IBADAN	NIGERIA	7 18 4 0	1957 1999			V
TV	TRIVANDRUM	INDIA	8 29 76 57	1957 1999		TV	
AA	ADDIS ABABA	ETHIOPIA	9 2 38 46	1958 1999			
TAM	TAMALE	GHANA	9 24 -0 -0	0 0			A
KO	KODAIKANAL	INDIA	10 14 77 28	1902 1999	I		
SG	SAIGON	VIET NAM	10 49 106 40	0 0			

Table I (A) Con't.
CURRENT MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
ANN	ANNAMALAINAGAR	INDIA	11 22 79 41	1958 1999			
GU	GUAM	USA (MARIANAS IS.)	13 35 144 52	1957 1999			A
MU	MUNTINLUPA	PHILIPPINE IS.	14 22 121 1	1950 1999	M	MU	
MB	M BCUR	FRANCE (SENEGAL)	14 24 -16 58	1952 1999			
SJ	SAN JUAN	USA (PUERTO RICO)	18 23 -66 7	1926 1999		SJ	A
AL	BOMBAY-ALIBAG	INDIA	18 38 72 52	1904 1999		AL	
TE	TEOLOYUCAN	MEXICO	19 45 -99 11	1914 1999	M	TE	
HO	HONOLULU	USA (HAWAII)	21 19 -158 0	1902 1999	M		A
CG	CHITTAGONG(DAMPARA)	PAKISTAN	22 21 91 49	0 0			
TP	TAIPEI(TAIHOKU)	FORMOSA	25 2 121 31	1919 1999	I		
TC	TENERIFE	SPAIN (CANARY IS.)	28 29 -16 17	1959 1999			A
MIS	MISALLAT	EGYPT	29 45 30 54	1957 1999		MIS	
CU	QUETTA	PAKISTAN	30 11 66 57	1953 1999			
TU	TUCSON	USA (ARIZONA)	32 15 -110 50	1909 1999	I		A
AS	ASO	JAPAN	32 53 131 1	1940 1999			V
DL	DALLAS	USA (TEXAS)	33 4 -96 48	1963 1999			A
SS	SIMCSATO	JAPAN	33 35 135 56	1954 1999		SS	
KS	KSARA	LEBANON	33 49 35 53	1907 1999	I		A
KZ	KANCZAN	JAPAN	35 15 139 58	1960 1999			
TI	TEHERAN	IRAN	35 41 51 25	1958 1999			
KA	KAKIOKA	JAPAN	36 14 140 11	1913 1999	M	KA	
SF	SAN FERNANDO	SPAIN	36 28 -6 12	1891 1999			A
AE	ALMERIA	SPAIN	36 51 -2 28	1955 1999			A
SM	SAN MIGUEL(P.T.DELGA)	PORTUGAL (AZORES IS)	37 46 -25 39	1911 1999			
AK	ASHKAHABAD	USSR	37 56 58 6	1957 0			
PE	PENDELI	GREECE	38 3 23 52	1957 0		PE	
FR	FREDRICKSBURG	USA (VIRGINIA)	38 12 -77 22	1956 1999		FR	A
CN	CNAGAWA	JAPAN	38 26 141 28	0 0			
TL	TOLEDO	SPAIN	39 53 -4 3	1934 1999	I		A
BO	BOULDER	USA (COLORADO)	40 0 -105 16	1963 1999			A
CI	CIOMBRA	PORTUGAL	40 14 -8 25	1866 1999	M		
CR	CAPRI	ITALY	40 33 14 13	1963 1999			
EB	EBRC	SPAIN	40 49 -0 31	1943 1999		EB	
IK	ISTANBUL-KANCILLI	TURKEY	41 4 29 4	1936 1999			
MD	MADDALENA	ITALY (SARDINIA)	41 13 9 24	0 0			
KE	KELES	USSR	41 25 69 12	1935 1999	I	KE	A
DT	DUSHETI	USSR	42 5 44 42	1935 1999		DT	
AQ	L'AQUILA	ITALY	42 23 13 19	1958 1999			A
LG	LCGRONO	SPAIN	42 27 -2 30	1956 1999			A
PN	PANAGYURISHTE	BULGARIA	42 31 24 11	1935 1999			
GJ	GORNOTAJEJNAIA	USSR	43 39 132 21	1958 1999		GJ	
AG	AGINCCURT	CANADA	43 47 -79 16	1899 1999		AG	A
CA	CASTELLACCIO(GENOVA)	ITALY	44 26 8 56	1932 1999	M	CA	A
CP	MCNTE CAPELLINO	ITALY	44 33 8 57	1956 1999			A
GC	GROCKA	YUGOSLAVIA	44 38 20 46	1958 1999			
SU	SURLARI	RUMANIA	44 41 26 15	1943 1999		SU	A
SK	STEPANOVKA	USSR	46 47 30 53	1934 1999	I	SK	A
JA	JASSY	RUMANIA	47 11 27 32	1931 1999	I		
RE	REGENSBERG	SWITZERLAND	47 29 8 27	1927 1999			
HB	HURBANOVO	CZECHOSLOVAKIA	47 54 18 11	1948 1999		HB	
FU	FURSTENFELDBRUCK	GERMAN FED. REP.	48 10 11 17	1927 1999	M	FU	A
VK	VIENNA-KOBENZL	AUSTRIA	48 16 16 19	1954 1999		VK	
VI	VICTORIA	CANADA	48 31 -123 25	1956 1999			A
BU	BUDKOV	CZECHOSLOVAKIA	49 4 14 1	0 1999			
LW	LVDOV	USSR	49 54 23 45	1953 1999		LW	

Table I (A) Con't.
CURRENT MAGNETIC OBSERVATORIES

	OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
PR	PRUHCNICE	CZECHOSLOVAKIA	49 59	14 33	1946 1999	M	PR	A
DB	DORBES	BELGIUM	50 6	4 36	1949 1999		DB	A
KV	KIEV	USSR	50 43	30 18	1958 1999			
HA	HARTLAND	GR.BRIT.	50 58	-4 29	1957 1999		HA	A
CM	COLLMBERG	GERMAN DEM.REP.	51 19	13 0	1935 1999			V
GT	GOTTINGEN	GERMAN FED. REP.	51 32	9 56	1833 1999			V
VL	VALENTIA	IRELAND	51 56	-10 15	1899 1999		VL	A
SW	SWIDER	POLAND	52 7	21 15	1914 1999	M		
ZY	ZUY	USSR	52 28	104 2	1914 1999	I	ZY	A
WI	WITTEVEEN	NETHERLANDS	52 49	6 40	1938 1999	M	WI	
WN	WINGST	GERMAN FED. REP.	53 45	9 4	1938 1999	M	WN	
ST	STONYHURST	GR.BRIT.	53 51	-2 28	1900 1999	I		A
ME	MEANOCK (EDMONTON)	CANADA	54 37	-113 20	1916 1999			A
HL	HEL	POLAND	54 37	18 49	1921 1999	I		
ES	ESKDALEMUIR	GR.BRIT.	55 19	-3 12	1908 1999	I		
MO	MOSCOW (KRAS-PAK)	USSR	55 28	37 19	1946 1999		MO	
ZA	ZAIMISHCHE	USSR	55 50	48 51	1909 1999		ZA	
RS	RUDE SKOV	DENMARK	55 51	12 27	1901 1999	M	RS	A
TM	TOMSK	USSR	56 28	84 56	0 0			
VD	VYSSOKAYA-DUBRAVA	USSR	56 44	61 4	1929 1999		VD	A
SI	SITKA	USA (ALASKA)	57 4	-135 20	1902 1999	M		A
CHR	CHURCHILL	CANADA	58 48	-94 16	1957 1999	I		V
LO	LOVO	SWEDEN	59 21	17 50	1928 1999	M		A
VV	VOIKOVO	USSR	59 57	30 42	1946 1999		VV	
LE	LERWICK	SCOTLAND	60 8	-1 11	1923 1999			
NU	NURMIJARVI	FINLAND	60 31	24 39	1952 1999	M		A
YA	YAKUTSK	USSR	62 1	129 40	1931 1999	I		A
DO	DOMBAS	NORWAY	62 4	9 7	1916 1999	M		
SR	SREDNIKAN	USSR	62 26	152 19	1935 1999	I		
RY	LEIRVOGUR (REYJAVIK)	ICELAND	64 11	-21 42	1958 1999			A
BL	BAKER LAKE	CANADA	64 20	-96 2	1949 1999			A
CO	COLLEGE	USA (ALASKA)	64 52	-147 50	1941 1999			A
SO	SOANKYLA	FINLAND	67 22	26 39	1914 1999	M		A
KI	KIRUNA	SWEDEN	67 50	20 25	1950 1999		KI	A
ABK	ABISKO	SWEDEN	68 21	18 49	1945 1999	I	KI	
LY	LOPARSKAYA	USSR	68 38	33 12	1961 1999		LY	
MM	MURMANSK	USSR	68 57	33 3	1957 1999		LY	
GO	GODHAVN	DENMARK (GREENLAND)	69 14	-53 31	1926 1999	M		A
TR	TROMSO	NORWAY	69 40	18 57	1929 1999	M		
PB	PT.BARROW	USA (ALASKA)	71 18	-156 45	1949 1999			A
B4	BEAR ISLAND	NORWAY	74 30	19 0	1952 1999		B4	
RB	RESCLUTE BAY	CANADA	74 42	-94 54	1948 1999	M		A
MLB	MCULD BAY	CANADA	76 12	-119 24	1962 1999			A
AT	ALERT	CANADA	82 30	-62 30	0 1999			A
NP6	NORTH POLE SIX	USSR	83 0	130 0	0 0			
NP7	NORTH POLE SEVEN	USSR	86 0	-110 0	0 0			

Table I (B)
CURRENT MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
LQ	LA QUIACA	ARGENTINA	-22 7	-65 35	1920 1999	M	
PI	PILAR	ARGENTINA	-31 40	-63 53	1905 1999		
TW	TRELEW	ARGENTINA	-43 15	-65 19	1957 1999		
GS	GENERAL SAN MARTIN	ARGENTINA (ANTARCT)	-68 8	-67 26	0 0		
GN	GNANGARA	AUSTRALIA	-31 47	115 57	1957 1999		GN A
TO	TOOLANGI	AUSTRALIA	-37 32	145 28	1919 1999		TO A
BR	BRISBANE	AUSTRALIA	-27 32	152 55	1957 1999		S A
WK	WILKES	AUSTRALIA (ANTARCT)	-66 15	110 21	1957 1999	I	A
MW	MAWSCN	AUSTRALIA (ANTARCT)	-67 36	62 54	1955 1999		A
PM	PORT MORESBY	AUSTRALIA (NEW GUIN)	-9 24	147 9	1957 1999	I	A
MI	MACQUARIE ISLAND	AUSTRALIA(S.PACIFIC)	-54 30	158 57	1950 1999		A
VK	VIENNA-KOBENZL	AUSTRIA	48 16	16 19	1954 1999		VK A
DB	DOURBES	BELGIUM	50 6	4 36	1949 1999		DB A
KL	KARAVIA	BELGIUM (BEL.CONGO)	-11 38	27 26	1958 1999		KL A
BN	BUNIA	BELGIUM (BEL.CONGO)	1 32	30 11	0 0		
BI	BINZA	BELGIUM (BEL.CONGO)	-4 23	15 16	1953 0		BI A
LR	LWIRO	BELGIUM (BEL.CONGO)	-2 15	28 48	0 0		
TT	TATUOCA	BRAZIL	-1 12	-48 31	1933 1999	I	
VA	VASSOURAS	BRAZIL	-22 54	-43 39	1915 1999		VA A
PN	PANAGYURISHTE	BULGARIA	42 31	24 11	1935 1999		
ME	MEANOCK (EDMCNTON)	CANADA	54 37	-113 20	1916 1999		A
MLB	MOULD' BAY	CANADA	76 12	-119 24	1962 1999		A
VI	VICTORIA	CANADA	48 31	-123 25	1956 1999		A
AT	ALERT	CANADA	82 30	-62 30	0 1999		A
AG	AGINCOURT	CANADA	43 47	-79 16	1899 1999		AG A
BL	BAKER LAKE	CANADA	64 20	-96 2	1949 1999		A
CHR	CHURCHILL	CANADA	58 48	-94 16	1957 1999	I	V A
RB	RESOLUTE BAY	CANADA	74 42	-94 54	1948 1999	M	A
AF	ANTOFAGASTA	CHILE	-23 37	-70 16	0 0		
EI	EASTER ISLAND	CHILE(SOUTH PACIFIC)	-27 10	-109 26	0 0		A
FQ	FUQUENE	COLOMBIA	5 28	-73 44	1953 1999		A
BU	BUDKOV	CZECHOSLOVAKIA	49 4	14 1	0 1999		
HB	HURBANOVO	CZECHOSLOVAKIA	47 54	18 11	1948 1999		HB A
PR	PRUHONICE	CZECHOSLOVAKIA	49 59	14 33	1946 1999	M	PR A
RS	RUDE SKOV	DENMARK	55 51	12 27	1901 1999	M	RS A
GO	GODHAVN	DENMARK (GREENLAND)	69 14	-53 31	1926 1999	M	A
NR	NAIROBI	EAST AFRICA (KENYA)	-1 15	36 49	0 1999		
MIS	MISALLAT	EGYPT	29 45	30 54	1957 1999		MIS A
AA	ADDIS ABABA	ETHIOPIA	9 2	38 46	1958 1999		
NU	NURMIJARVI	FINLAND	60 31	24 39	1952 1999	M	A
SO	SODANKYLA	FINLAND	67 22	26 39	1914 1999	M	A
TP	TAIPEI (TAIHOKU)	FORMOSA	25 2	121 31	1919 1999	I	
BA	BANGUI	FRANCE (CEN AFR REP)	4 36	18 35	1952 1999	M	
KG	KERGUELEN	FRANCE (INDIAN O.)	-49 21	70 15	1952 1999	M	KG A
TN	TANANARIVE	FRANCE (MALAGASY RP)	-18 55	47 33	1890 1999	M	
MB	M BOUR	FRANCE (SENEGAL)	14 24	-16 58	1952 1999		
CM	COLLMBERG	GERMAN DEM.REP.	51 19	13 0	1935 1999		V A
FU	FURSTENFELDBRUCK	GERMAN FED. REP.	48 10	11 17	1927 1999	M	FU A
GT	GOTTINGEN	GERMAN FED. REP.	51 32	9 56	1833 1999		V
WN	WINGST	GERMAN FED. REP.	53 45	9 4	1938 1999	M	WN A
LL	LITTLE LEGON	GHANA	5 38	-0 12	0 0		A
TAM	TAMALE	GHANA	9 24	-0 -0	0 0		A
PE	PENDELI	GREECE	38 3	23 52	1957 0		PE A
ES	ESKDALEMUIR	GR.BRIT.	55 19	-3 12	1908 1999	I	
HA	HARTLAND	GR.BRIT.	50 58	-4 29	1957 1999		HA A

Table I (B) Con't.
CURRENT MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
ST	STONYHURST	GR.BRIT.	53 51	-2 28	1900 1999	I	A
AR	ARGENTINE ISLANDS	GR.BRIT.(ANTARCTICA)	-65 15	-64 16	1956 1999		A
HY	HALLEY BAY	GR.BRIT.(ANTARCTICA)	-75 31	-26 37	1957 1999		
MR	MAURITIUS	GR.BRIT.(INDIAN O.)	-20 6	57 33	1900 1999	MR	
RY	LEIRVGGUR (REYJAVIK)	ICELAND	64 11	-21 42	1958 1999		A
AL	BOMBAY-ALIBAG	INDIA	18 38	72 52	1904 1999	AL	
KO	KODAIKANAL	INDIA	10 14	77 28	1902 1999	I	
TV	TRIVANDRUM	INDIA	8 29	76 57	1957 1999	TV	
ANN	ANNAMALAINAGAR	INDIA	11 22	79 41	1958 1999		
KU	KUYPER(PULAV BURUNG)	INDONESIA	-6 2	106 44	1928 1999	KV	
TI	TEHERAN	IRAN	35 41	51 25	1958 1999		
VL	VALENTIA	IRELAND	51 56	-10 15	1899 1999	VL	A
AQ	L'AQUILA	ITALY	42 23	13 19	1958 1999		A
CA	CASTELLACCIO(GENOVA)	ITALY	44 26	8 56	1932 1999	M	CA
CP	MCNTE CAPELLINO	ITALY	44 33	8 57	1956 1999		A
CR	CAPRI	ITALY	40 33	14 13	1963 1999		
MD	MADDALENA	ITALY (SARDINIA)	41 13	9 24	0 0		
AS	ASO	JAPAN	32 53	131 1	1940 1999		V
KA	KAKIOKA	JAPAN	36 14	140 11	1913 1999	M	KA
KZ	KANZAN	JAPAN	35 15	139 58	1960 1999		
CN	CNAGAWA	JAPAN	38 26	141 28	0 0		
SS	SIMOSATO	JAPAN	33 35	135 56	1954 1999		SS
KS	KSARA	LEBANON	33 49	35 53	1907 1999	I	A
TE	TEOLOYUCAN	MEXICO	19 45	-99 11	1914 1999	M	TE
AM	AMBERLEY	NEW ZEALAND	-43 9	172 43	1928 1999		AM
HT	HALLETT STATION	NEW ZEALAND(ANTARCT)	-72 19	170 13	1957 1999	I	
RR	RARCTONGA	NEW ZEALAND(COOK IS)	-21 12	-159 46	0 1999		V
AP	APIA	NEW ZEALAND (SAMOA)	-13 49	-171 47	1905 1999	M	A
WI	WITTEVEEN	NETHERLANDS	52 49	6 40	1938 1999	M	WI
HN	HOLLANDIA	NETHERLANDS (N.GUIN)	-2 35	140 31	1957 1999		
PA	PARAMARIBO	NETHERLANDS(SURINAM)	5 49	-55 10	1957 1999		
IB	IBADAN	NIGERIA	7 18	4 0	1957 1999		V
B4	BEAR ISLAND	NORWAY	74 30	19 0	1952 1999		B4
DO	DOMBAS	NORWAY	62 4	9 7	1916 1999	M	
TR	TROMSC	NORWAY	69 40	18 57	1929 1999	M	
CG	CHITTAGONG (DAMPARA)	PAKISTAN	22 21	91 49	0 0		
QU	QUETTA	PAKISTAN	30 11	66 57	1953 1999		
HU	HUANCAYO	PERU	-12 3	-75 20	1922 1999		A
MU	MUNTINLUPA	PHILIPPINE IS.	14 22	121 1	1950 1999	M	MU
HL	HEL	POLAND	54 37	18 49	1931 1999	I	
SW	SWIDER	POLAND	52 7	21 15	1914 1999	M	
CI	CIOMBRA	PORTUGAL	40 14	-8 25	1866 1999	M	
LU	LUANDA	PORTUGAL (ANGOLA)	-8 55	13 10	1956 1999		LU
SM	SAN MIGUEL (PT.DELGA)	PORTUGAL (AZORES IS)	37 46	-25 39	1911 1999		
LM	LOURENCO, MARQUES	PORTUGAL(MOZAMBIQUE)	-25 55	32 35	1957 1999		
HR	HERMANUS	REP. OF SO. AFRICA	-34 25	19 14	1940 1999		HR
JA	JASSY	RUMANIA	47 11	27 32	1931 1999	I	
SU	SURLARI	RUMANIA	44 41	26 15	1943 1999		SU
LE	LERWICK	SCOTLAND	60 8	-1 11	1923 1999		
AE	ALMERIA	SPAIN	36 51	-2 28	1955 1999		A
EB	EBRC	SPAIN	40 49	-0 31	1943 1999		EB
LG	LOGGRONO	SPAIN	42 27	-2 30	1956 1999		A
SF	SAN FERNANDO	SPAIN	36 28	-6 12	1891 1999		A
TL	TULEDO	SPAIN	39 53	-4 3	1934 1999	I	A
TC	TENERIFE	SPAIN (CANARY IS.)	28 29	-16 17	1959 1999		A

Table I (B) Con't.
CURRENT MAGNETIC OBSERVATORIES

	OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
MC	MOCA	SPAIN (FERNANDO POO)	3 21	8 40	1958 1999	I		A
ABK	ABISKO	SWEDEN	68 21	18 49	1945 1999	I	KI	
KI	KIRUNA	SWEDEN	67 50	20 25	1950 1999		KI	A
LO	LOVC	SWEDEN	59 21	17 50	1928 1999	M		A
RE	REGENSBURG	SWITZERLAND	47 29	8 27	1927 1999			
IK	ISTANBUL-KANDILLI	TURKEY	41 4	29 4	1936 1999			
SI	SITKA	USA (ALASKA)	57 4	-135 20	1902 1999	M		A
PB	PT. BARROW	USA (ALASKA)	71 18	-156 45	1949 1999			A
CO	COLLEGE	USA (ALASKA)	64 52	-147 50	1941 1999			A
AD	ADMUNDSEN-SCOTT	USA (ANTARCTICA)	-90 0	-0 -0	1957 1999			A
EG	EIGHTS STATION	USA (ANTARCTICA)	-75 15	-77 15	1963 1999			A
BY	BYRD STATION	USA (ANTARCTICA)	-80 1	-119 31	1957 1999	M		A
TU	TUCSON	USA (ARIZONA)	32 15	-110 50	1909 1999	I		A
BO	BOULDER	USA (COLORADO)	40 0	-105 16	1963 1999			A
HO	HONOLULU	USA (HAWAII)	21 19	-158 0	1902 1999	M		A
GU	GUAM	USA (MARIANAS IS.)	13 35	144 52	1957 1999			A
SJ	SAN JUAN	USA (PUERTO RICO)	18 23	-66 7	1926 1999		SJ	A
DL	DALLAS	USA (TEXAS)	33 4	-96 48	1963 1999			A
FR	FREDRICKSBURG	USA (VIRGINIA)	38 12	-77 22	1956 1999		FR	A
AK	ASHKAHABAD	USSR	37 56	58 6	1957 0			
DT	DUSHETI	USSR	42 5	44 42	1935 1999		DT	
KE	KELES	USSR	41 25	69 12	1935 1999	I	KE	A
KV	KIEV	USSR	50 43	30 18	1958 1999			
LW	LDOV	USSR	49 54	23 45	1963 1999		LW	
LY	LOPARSKAYA	USSR	68 38	33 12	1961 1999		LY	
MM	MURMANSK	USSR	68 57	33 3	1957 1999		LY	
MO	MOSCOW (KRAS-PAK)	USSR	55 28	37 19	1946 1999		MO	
NP8	NORTH POLE EIGHT	USSR	-0 -0	-0 -0	0 0			
SK	STEPANOVKA	USSR	46 47	30 53	1934 1999	I	SK	A
TM	TOMSK	USSR	56 28	84 56	0 0			
VD	VYSSOKAYA-DUBRAVA	USSR	56 44	61 4	1929 1999		VD	A
VV	VOIKOVO	USSR	59 57	30 42	1946 1999		VV	
ZA	ZAIMISHCHE	USSR	55 50	48 51	1909 1999		ZA	
GJ	GORNOTAIEJNAIA	USSR	43 39	132 21	1958 1999		GJ	
NP7	NORTH POLE SEVEN	USSR	86 0	-110 0	0 0			
NP6	NORTH POLE SIX	USSR	83 0	130 0	0 0			
SR	SREDNIKAN	USSR	62 26	152 19	1935 1999	I		
YA	YAKUTSK	USSR	62 1	129 40	1931 1999	I		A
ZY	ZUY	USSR	52 28	104 2	1914 1999	I	ZY	A
VO	VOSTOK	USSR (ANTARCTICA)	-78 27	106 52	0 0			
PO	PIONERSKAYA	USSR (ANTARCTICA)	-69 44	95 30	0 0			
CA	OASIS	USSR (ANTARCTICA)	-66 6	92 9	0 0			
MY	MIRNY	USSR (ANTARCTICA)	-66 33	93 1	1956 1999			
NL	NOVC LAZAREV	USSR (ANTARCTICA)	-69 58	12 55	0 0			
SG	SAIGON	VIET NAM	10 49	106 40	0 0			
GC	GROCKA	YUGOSLAVIA	44 38	20 46	1958 1999			

Table I (C)
CURRENT MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
AA	ADDIS ABABA	ETHIOPIA	9 2	38 46	1958 1999		
ABK	ABISKO	SWEDEN	68 21	18 49	1945 1999	I	KI
AD	ADMUNDSEN-SCOTT	USA (ANTARCTICA)	-90 0	-0 -0	1957 1999		A
AE	ALMERIA	SPAIN	36 51	-2 28	1955 1999		A
AF	ANTOFAGASTA	CHILE	-23 37	-70 16	0 0		
AG	AGINCOURT	CANADA	43 47	-79 16	1899 1999		AG A
AK	ASHKAHABAD	USSR	37 56	58 6	1957 0		
AL	BOMBAY-ALIBAG	INDIA	18 38	72 52	1904 1999		AL
AM	AMBERLEY	NEW ZEALAND	-43 9	172 43	1928 1999		AM
ANN	ANNAMALAINAGAR	INDIA	11 22	79 41	1958 1999		
AP	APIA	NEW ZEALAND (SAMOA)	-13 49	-171 47	1905 1999	M	A
AQ	L'AQUILA	ITALY	42 23	13 19	1958 1999		A
AR	ARGENTINE ISLANDS	GR. BRIT. (ANTARCTICA)	-65 15	-64 16	1956 1999		A
AS	ASO	JAPAN	32 53	131 1	1940 1999		V
AT	ALERT	CANADA	82 30	-62 30	0 1999		A
BA	BANGUI	FRANCE (CEN AFR REP)	4 36	18 35	1952 1999	M	
BI	BINZA	BELGIUM (BEL. CONGO)	-4 23	15 16	1953 0		BI
BL	BAKER LAKE	CANADA	64 20	-96 2	1949 1999		A
BN	BUNIA	BELGIUM (BEL. CONGO)	1 32	30 11	0 0		
BO	BOULDER	USA (COLORADO)	40 0	-105 16	1963 1999		A
BR	BRISBANE	AUSTRALIA	-27 32	152 55	1957 1999		S
BU	BUDKOV	CZECHOSLOVAKIA	49 4	14 1	0 1999		
BY	BYRD STATION	USA (ANTARCTICA)	-80 1	-119 31	1957 1999	M	A
B4	BEAR ISLAND	NORWAY	74 30	19 0	1952 1999		B4
CA	CASTELLACCIO (GENOVA)	ITALY	44 26	8 56	1932 1999	M	CA A
CG	CHITTAGONG (DAMPARA)	PAKISTAN	22 21	91 49	0 0		
CHR	CHURCHILL	CANADA	58 48	-94 16	1957 1999	I	V
CI	CIOMBRA	PORTUGAL	40 14	-8 25	1866 1999	M	
CM	COLLMBERG	GERMAN DEM. REP.	51 19	13 0	1935 1999		V
CO	COLLEGE	USA (ALASKA)	64 52	-147 50	1941 1999		A
CP	MONTE CAPELLINO	ITALY	44 33	8 57	1956 1999		A
CR	CAPRI	ITALY	40 33	14 13	1963 1999		
DB	DOORBES	BELGIUM	50 6	4 36	1949 1999		DB A
DL	DALLAS	USA (TEXAS)	33 4	-96 48	1963 1999		A
DO	DOMBAS	NORWAY	62 4	9 7	1916 1999	M	
DT	DUSHETI	USSR	42 5	44 42	1935 1999		DT
EB	EBRO	SPAIN	40 49	-0 31	1943 1999		EB
EG	EIGHTS STATION	USA (ANTARCTICA)	-75 15	-77 15	1963 1999		A
EI	BASTER ISLAND	CHILE (SOUTH PACIFIC)	-27 10	-109 26	0 0		
ES	ESKDALEMUIR	GR. BRIT.	55 19	-3 12	1908 1999	I	
FQ	FUQUENE	COLOMBIA	5 28	-73 44	1953 1999		A
FR	FREDRICKSBURG	USA (VIRGINIA)	38 12	-77 22	1956 1999		FR A
FU	FURSTENFELDBRUCK	GERMAN FED. REP.	48 10	11 17	1927 1999	M	FU A
GC	GROCKA	YUGOSLAVIA	44 38	20 46	1958 1999		
GJ	GORNOTAIEJNAIA	USSR	43 39	132 21	1958 1999		GJ
GN	GNANGARA	AUSTRALIA	-31 47	115 57	1957 1999		GN A
GO	GODHAVN	DENMARK (GREENLAND)	69 14	-53 31	1926 1999	M	A
GS	GENERAL SAN MARTIN	ARGENTINA (ANTARCT)	-68 8	-67 26	0 0		
GT	GOTTINGEN	GERMAN FED. REP.	51 32	9 56	1833 1999		V
GU	GUAM	USA (MARIANAS IS.)	13 35	144 52	1957 1999		A
HA	HARTLAND	GR. BRIT.	50 58	-4 29	1957 1999		HA A
HB	HURBANOVO	CZECHOSLOVAKIA	47 54	18 11	1948 1999		HB
HL	HEL	POLAND	54 37	18 49	1931 1999	I	
HN	HOLLANDIA	NETHERLANDS (N. GUIN)	-2 35	140 31	1957 1999		
HO	HONOLULU	USA (HAWAII)	21 19	-158 0	1902 1999	M	A

Table I (C) Con't.
CURRENT MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
HR	HERMANUS	REP. OF SO. AFRICA	-34 25	19 14	1940 1999		HR A
HT	HALLETT STATION	NEW ZEALAND(ANTARCT)	-72 19	170 13	1957 1999	I	
HU	HUANCAYO	PERU	-12 3	-75 20	1922 1999		A
HY	HALLEY BAY	GR.BRIT(ANTARCTICA)	-75 31	-26 37	1957 1999		
IB	IBADAN	NIGERIA	7 18	4 0	1957 1999		V
IK	ISTANBUL-KANDILLI	TURKEY	41 4	29 4	1936 1999		
JA	JASSY	RUMANIA	47 11	27 32	1931 1999	I	
KA	KAKIOKA	JAPAN	36 14	140 11	1913 1999	M	KA
KE	KELES	USSR	41 25	89 12	1935 1999	I	KE A
KG	KERGUELEN	FRANCE (INDIAN O.)	-49 21	70 15	1952 1999	M	KG
KI	KIRUNA	SWEDEN	67 50	20 25	1950 1999		KI A
KL	KARAVIA	BELGIUM (BEL.CONGO)	-11 38	27 26	1958 1999		KL
KO	KODAIKANAL	INDIA	10 14	77 28	1902 1999	I	
KS	KSARA	LEBANON	33 49	35 53	1907 1999	I	A
KU	KUYPER(PULAV BURUNG)	INDONESIA	-6 2	106 44	1928 1999		KV
KV	KIEV	USSR	50 43	30 18	1958 1999		
KZ	KANQZAN	JAPAN	35 15	139 58	1960 1999		
LE	LERWICK	SCOTLAND	60 8	-1 11	1923 1999		
LG	LOGRONO	SPAIN	42 27	-2 30	1956 1999		A
LL	LITTLE LEGON	GHANA	5 38	-0 12	0 0		A
LM	LOURENCO, MARQUES	PORTUGAL(MOZAMBIQUE)	-25 55	32 35	1957 1999		
LO	LOVO	SWEDEN	59 21	17 50	1928 1999	M	A
LQ	LA QUIACA	ARGENTINA	-22 7	-65 35	1920 1999	M	
LR	LWIRO	BELGIUM (BEL.CONGO)	-2 15	28 48	0 0		
LU	LUANDA	PORTUGAL (ANGOLA)	-8 55	13 10	1956 1999		LU
LW	LVOV	USSR	49 54	23 45	1953 1999		LW
LY	LOPARSKAYA	USSR	68 38	33 12	1961 1999		LY
MB	M BOUR	FRANCE (SENEGAL)	14 24	-16 58	1952 1999		
MC	MOCA	SPAIN (FERNANDO POO)	3 21	8 40	1958 1999	I	A
MD	MADDALENA	ITALY (SARDINIA)	41 13	9 24	0 0		
ME	MEANOOK (EDMONTON)	CANADA	54 37	-113 20	1916 1999		A
MI	MACQUARIE ISLAND	AUSTRALIA(S.PACIFIC)	-54 30	158 57	1950 1999		A
MIS	MISALLAT	EGYPT	29 45	30 54	1957 1999		MIS
MLB	MOULD BAY	CANADA	76 12	-119 24	1962 1999		A
MM	MURMANSK	USSR	68 57	33 3	1957 1999		LY
MO	MOSCOW (KRAS-PAK)	USSR	55 28	37 19	1946 1999		MO
MR	MAURITIUS	GR.BRIT.(INDIAN O.)	-20 6	57 33	1900 1999		MR
MU	MUNTINLUPA	PHILIPPINE IS.	14 22	121 1	1950 1999	M	MU
MW	MAWSON	AUSTRALIA (ANTARCT)	-67 36	62 54	1955 1999		A
MY	MIRNY	USSR (ANTARCTICA)	-66 33	93 1	1956 1999		
NL	NOVO LAZEREV	USSR (ANTARCTICA)	-69 58	12 55	0 0		
NP8	NORTH POLE EIGHT	USSR	-0 -0	-0 -0	0 0		
NP7	NORTH POLE SEVEN	USSR	86 0	-110 0	0 0		
NP6	NORTH POLE SIX	USSR	83 0	130 0	0 0		
NR	NAIROBI	EAST AFRICA (KENYA)	-1 15	36 49	0 1999		
NU	NURMIJARVI	FINLAND	60 31	24 39	1952 1999	M	A
OA	OASIS	USSR (ANTARCTICA)	-66 6	92 9	0 0		
ON	ONAGAWA	JAPAN	38 26	141 28	0 0		
PA	PARAMARIBO	NETHERLANDS(SURINAM)	5 49	-55 10	1957 1999		
PB	PT.BARROW	USA (ALASKA)	71 18	-156 45	1949 1999		A
PE	PENDELI	GREECE	38 3	23 52	1957 0		PE
PI	PILAR	ARGENTINA	-31 40	-63 53	1905 1999		
PM	PORT MORESBY	AUSTRALIA (NEW GUIN)	-9 24	147 9	1957 1999	I	A
PN	PANAGYURISHTE	BULGARIA	42 31	24 11	1935 1999		
PO	PIONERSKAYA	USSR (ANTARCTICA)	-69 44	95 30	0 0		

Table I (C) Con't.
CURRENT MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
PR	PRUHONICE	49 59	14 33	1946 1999	M	PR	A
QU	QUETTA	30 11	66 57	1953 1999			
RB	RESOLUTE BAY	74 42	-94 54	1948 1999	M		A
RE	REGENSBURG	47 29	8 27	1927 1999			
RR	RAROTONGA						
RS	RUDE SKOV	55 51	12 27	1901 1999	M	RS	A
RY	LEIRVOGUR (REYJAVIK)	64 11	-21 42	1958 1999			A
SF	SAN FERNANDO	36 28	-6 12	1891 1999			A
SG	SAIGON	10 49	106 40	0 0			
SI	SITKA	57 4	-135 20	1902 1999	M		A
SJ	SAN JUAN	18 23	-66 7	1926 1999		SJ	A
SK	STEPANOVKA	46 47	30 53	1934 1999	I	SK	A
SM	SAN MIGUEL (PT. DELGA)	37 46	-25 39	1911 1999			
SO	SODANKYLA	67 22	26 39	1914 1999	M		A
SR	SREDNIKAN	62 26	152 19	1935 1999	I		
SS	SIMOSATO	33 35	135 56	1954 1999		SS	
ST	STONYHURST	53 51	-2 28	1900 1999	I		A
SU	SURLARI	44 41	26 15	1943 1999		SU	A
SW	SWIDER	52 7	21 15	1914 1999	M		
TAM	TAMALE	9 24	-0 -0	0 0			A
TC	TENERIFE	28 29	-16 17	1959 1999			A
TE	TEOLOYUCAN	19 45	-99 11	1914 1999	M	TE	
TI	TEHERAN	35 41	51 25	1958 1999			
TL	TOLEDO	39 53	-4 3	1934 1999	I		A
TM	TOMSK	56 28	84 56	0 0			
TN	TANANARIVE	-18 55	47 33	1890 1999	M		
TO	TOOLANGI	-37 32	145 28	1919 1999		TO	A
TP	TAIPEI (TAIHOKU)	25 2	121 31	1919 1999	I		
TR	TROMSO	69 40	18 57	1929 1999	M		
TT	TATUOCA	-1 12	-48 31	1933 1999	I		
TU	TUCSON	32 15	-110 50	1909 1999	I		A
TV	TRIVANDRUM	8 29	76 57	1957 1999		TV	
TW	TRELEW	-43 15	-65 19	1957 1999			
VA	VASSOURAS	-22 54	-43 39	1915 1999		VA	
VD	VYSSOKAYA-DUBRAVA	56 44	61 4	1929 1999		VD	A
VI	VICTORIA	48 31	-123 25	1956 1999			A
VK	VIENNA-KOBBNZL	48 16	16 19	1954 1999		VK	
VL	VALENTIA	51 56	-10 15	1899 1999		VL	A
VO	VOSTOK	-78 27	106 52	0 0			
VV	VOIKOVO	59 57	30 42	1946 1999		VV	
WI	WITTEVEEN	52 49	6 40	1938 1999	M	WI	
WK	WILKES	-66 15	110 21	1957 1999	I		A
WN	WINGST	53 45	9 4	1938 1999	M	WN	
YA	YAKUTSK	62 1	129 40	1931 1999	I		A
ZA	ZAIMISHCHE	55 50	48 51	1909 1999		ZA	
ZY	ZUY	52 28	104 2	1914 1999	I	ZY	A

Table II (A)
MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
AD	ADMUNDSEN-SCOTT	USA (ANTARCTICA)	-90 0 -0 0	1957 1999			A
BY	BYRD STATION	USA (ANTARCTICA)	-80 1 -119 31	1957 1999	M		A
VO	VOSTOK	USSR (ANTARCTICA)	-78 27 106 52	0 0			
LA3	LITTLE AMERICA III	USA (ANTARCTICA)	-78 10 -165 35	1940 1950	M		
CE	CAPE EVANS	GR.BRIT.(ANTARCTICA)	-77 38 166 24	1910 1913			
HY	HALLEY BAY	GR.BRIT.(ANTARCTICA)	-75 31 -26 37	1957 1999			
EG	EIGHTS STATION	USA (ANTARCTICA)	-75 15 -77 15	1963 1999			A
HT	HALLETT STATION	NEW ZEALAND (ANTARCT)	-72 19 170 13	1957 1999	I		
NL	NOVO LAZAREV	USSR (ANTARCTICA)	-69 58 12 55	0 0			
PO	PICNERSKAYA	USSR (ANTARCTICA)	-69 44 95 30	0 0			
CT	CHARCOT	FRANCE (ANTARCTICA)	-69 23 139 2	1951 1963			
SY	SYOWA BASE	JAPAN (ANTARCTICA)	-69 2 39 36	0 1963			
GS	GENERAL SAN MARTIN	ARGENTINA (ANTARCT)	-68 8 -67 26	0 0			
MW	MAWSON	AUSTRALIA (ANTARCT)	-67 36 62 54	1955 1999			A
MY	MIRNY	USSR (ANTARCTICA)	-66 33 93 1	1956 1999			
WK	WILKES	AUSTRALIA (ANTARCT)	-66 15 110 21	1957 1999	I		A
CA	OASIS	USSR (ANTARCTICA)	-66 6 92 9	0 0			
AR	ARGENTINE ISLANDS	GR.BRIT.(ANTARCTICA)	-65 15 -64 16	1956 1999			A
CR	ORCADAS DEL SUR (LI)	ARGENTINA (ORCADAS)	-60 44 -44 45	1949 1957		OR	
LI	LAURIE ISLAND	ARGENTINA (ORCADAS)	-60 43 -44 47	1903 1948	I	OR	
NY	NEW YRS ISLAND	ARGENTINA	-54 39 -64 9	1902 1916			
MI	MACQUARIE ISLAND	AUSTRALIA (S.PACIFIC)	-54 30 158 57	1950 1999			A
HI	HEARD ISLAND	AUSTRALIA (INDIAN O.)	-53 2 73 22	1950 1954			
PJ	PORT JEANNE D'ARC	FRANCE (INDIAN O.)	-49 33 69 49	1902 1930	I	KG	
PF	PORT AUX FRANCAIS	FRANCE (INDIAN O.)	-49 25 69 53	1948 1952	I	KG	
KG	KERGUELEN	FRANCE (INDIAN O.)	-49 21 70 15	1952 1999	M	KG	
TW	TRELEW	ARGENTINA	-43 15 -65 19	1957 1999			
AM	AMBERLEY	NEW ZEALAND	-43 9 172 43	1928 1999		AM	
ML	MELBOURNE	AUSTRALIA	-37 50 144 58	1893 1920	I	TO	
TO	TOOLANGI	AUSTRALIA	-37 32 145 28	1919 1999		TO	A
HR	HERMANUS	REP. OF SO. AFRICA	-34 25 19 14	1940 1999		HR	A
CTN	CAPETOWN	REP. OF SO. AFRICA	-33 57 18 28	1932 1941		HR	
SN	SANTIAGO	CHILE	-33 27 -70 42	1900 1909	I		
GN	GNANGARA	AUSTRALIA	-31 47 115 57	1957 1999		GN	A
PI	PILAR	ARGENTINA	-31 40 -63 53	1905 1999			
WA	WATHEROO	AUSTRALIA	-30 19 115 52	1919 1958		GN	
BR	BRISBANE	AUSTRALIA	-27 32 152 55	1957 1999			S
EI	EASTER ISLAND	CHILE (SOUTH PACIFIC)	-27 10 -109 26	0 0			A
LM	LOURENCO, MARQUES	PORTUGAL (MOZAMBIQUE)	-25 55 32 35	1957 1999			
AF	ANTOFAGASTA	CHILE	-23 37 -70 16	0 0			
RJ	RIO DE JANEIRO	BRAZIL	-22 55 -43 11	1899 1910	I	VA	
VA	VASSOURAS	BRAZIL	-22 54 -43 39	1915 1999		VA	
LQ	LA QUIACA	ARGENTINA	-22 7 -65 35	1920 1999	M		
RR	RAROTONGA	NEW ZEALAND (COOK IS)	-21 12 -159 46	0 1999			V
MR	MAURITIUS	GR.BRIT.(INDIAN O.)	-20 6 57 33	1900 1999		MR	
TN	TANANARIVE	FRANCE (MALAGASY RP)	-18 55 47 33	1890 1999	M		
AP	APIA	NEW ZEALAND (SAMOA)	-13 49 -171 47	1905 1999	M		A
HU	HUANCAYO	PERU	-12 3 -75 20	1922 1999			A
EL	ELISABETHVILLE	BELGIUM (BEL.CONGO)	-11 40 27 28	1932 1957		KL	
KL	KARAVIA	BELGIUM (BEL.CONGO)	-11 38 27 26	1958 1999		KL	
PM	PORT MORESBY	AUSTRALIA (NEW GUIN)	-9 24 147 9	1957 1999	I		A
LU	LUANDA	PORTUGAL (ANGOLA)	-8 55 13 10	1956 1999		LU	
SL	ST. PAUL LOANDA	PORTUGAL (ANGOLA)	-8 49 13 13	1901 1927		LU	
DR	DARESSALAM	TANGANYIKA	-6 49 39 19	1856 1900	I		
BV	BATAVIA	INDONESIA	-6 11 106 49	1899 1928		KV	

Table II (A) Con't.
MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
KU	KUYPER(PULAV BURUNG)	INDONESIA	-6 2	106 44	1928 1999		KV
BI	BINZA	BELGIUM (BEL.CONGO)	-4 23	15 16	1953 0		BI
LP	LEOPOLDVILLE	BELGIUM (BEL.CONGO)	-4 16	15 22	0 1956		BI
HN	HOLLANDIA	NETHERLANDS (N.GUIN)	-2 35	140 31	1957 1999		
LR	LWIRO	BELGIUM (BEL.CONGO)	-2 15	28 48	0 0		
NR	NAIROBI	EAST AFRICA (KENYA)	-1 15	36 49	0 1999		
TT	TATUOCA	BRAZIL	-1 12	-48 31	1933 1999	I	
CU	COPENHAGUE	DENMARK	-0 -0	-0 -0	1842 1859		RS
RA	ROYAL ALFRED	GR.BRIT.(INDIAN O.)	-0 -0	-0 -0	1856 1937		MR
NP8	NORTH POLE EIGHT	USSR	-0 -0	-0 -0	0 0		
SP	SINGAPORE	GR.BRIT.(MALAYA)	1 17	103 51	1841 1845		
BN	BUNIA	BELGIUM (BEL.CONGO)	1 32	30 11	0 0		
MC	MCCA	SPAIN (FERNANDO POO)	3 21	8 40	1958 1999	I	A
BA	BANGUI	FRANCE (CEN AFR REP)	4 36	18 35	1952 1999	M	
FQ	FUQUENE	COLOMBIA	5 28	-73 44	1953 1999		A
LL	LITTLE LEGON	GHANA	5 38	-0 12	0 0		A
PA	PARAMARIBO	NETHERLANDS(SURINAM)	5 49	-55 10	1957 1999		
IB	IBADAN	NIGERIA	7 18	4 0	1957 1999		V
KR	KOROR (PALAU)	USA (PACIFIC)	7 20	134 30	1926 1941	M	
TV	TRIVANDRUM	INDIA	8 29	76 57	1957 1999		TV
TRE	TREVANDRUM	INDIA	8 31	77 0	1854 1869		TV
AA	ADDIS ABABA	ETHIOPIA	9 2	38 46	1958 1999		
TAM	TAMALE	GHANA	9 24	-0 -0	0 0		A
KO	KODAIKANAL	INDIA	10 14	77 28	1902 1999	I	
SG	SAIGON	VIET NAM	10 49	106 40	0 0		
ANN	ANNAMALAINAGAR	INDIA	11 22	79 41	1958 1999		
MPS	MADRAS	GR.BRIT.(INDIA)	13 4	80 15	1851 1855		
GU	GUAM	USA (MARIANAS IS.)	13 35	144 52	1957 1999		A
MU	MUNTINLUPA	PHILIPPINE IS.	14 22	121 1	1950 1999	M	MU
MB	M BCUR	FRANCE (SENEGAL)	14 24	-16 58	1952 1999		
MAN	MANILA	PHILIPPINE IS.	14 35	120 59	1888 1904		MU
AO	ANTIPALO	PHILIPPINE IS.	14 36	121 10	1910 1940		MU
VQ	VIEQUES	USA (PUERTO RICO)	18 9	-65 27	1903 1924		SJ
SJ	SAN JUAN	USA (PUERTO RICO)	18 23	-66 7	1926 1999		SJ A
AL	BOMBAY-ALIBAG	INDIA	18 38	72 52	1904 1999		AL
CB	CCLABA	INDIA	18 54	72 49	1846 1906		AL
TG	TCUNGOO	BURMA	18 56	96 27	1905 1923		
CJ	CUAJIMALPA	MEXICO	19 22	-99 20	1903 1912		TE
TB	TACUBAYA	MEXICO	19 24	-99 12	1889 1902		TE
PX	MEXICO CITY	MEXICO	19 26	-99 8	1879 1887		TE
TE	TEOLOYUCAN	MEXICO	19 45	-99 11	1914 1999	M	TE
HO	HONOLULU	USA (HAWAII)	21 19	-158 0	1902 1999	M	A
HK	HONGKONG	CHINA	22 18	114 10	1900 1927		AU
CG	CHITTAGONG(DAMPARA)	PAKISTAN	22 21	91 49	0 0		
AU	AU TAU	CHINA	22 27	114 3	1927 1939		AU
BP	BARRACKPORE	INDIA (BENGAL)	22 46	88 22	1904 1914		
TA	TAMANRASSET	FRANCE (ALGERIA)	22 48	5 32	1930 1956	I	
KEY	KEY WEST	USA(FLORIDA)	24 33	-81 48	1860 1866		
TP	TAIPEI(TAIHOKU)	FORMOSA	25 2	121 31	1919 1999	I	
TC	TENERIFE	SPAIN (CANARY IS.)	28 29	-16 17	1959 1999		A
MIS	MISALLAT	EGYPT	29 45	30 54	1957 1999		MIS
HE	HELWAN	EGYPT	29 52	31 20	1903 1957		MIS
QU	QUETTA	PAKISTAN	30 11	66 57	1953 1999		
DD	DEHRA DUN	INDIA	30 19	78 3	1902 1943		
ZS	ZC SE	CHINA	31 6	121 11	1908 1949	M	ZS

Table II (A) Con't.
MAGNETIC OBSERVATORIES

	OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
ZI	ZIKAWEI	CHINA	31 12	121 26	1900 1908		ZS	
LK	LUKIAPANG	CHINA	31 19	121 2	1908 1933	M	ZS	
TU	TUCSON	USA (ARIZONA)	32 15	-110 50	1909 1999	I		A
AS	ASO	JAPAN	32 53	131 1	1940 1999			V
EA	EL ABIOD SIDI	ALGERIA	32 54	-0 33	1948 1954			
DL	DALLAS	USA (TEXAS)	33 4	-96 48	1963 1999			A
SS	SIMOSATO	JAPAN	33 35	135 56	1954 1999		SS	
KT	KATUURA	JAPAN	33 38	135 57	1946 1954		SS	
KS	KSARA	LEBANON	33 49	35 53	1907 1999	I		A
LA	LOS ANGELES	USA (CALIF.)	34 3	-118 15	1883 1888			
KZ	KANUZAN	JAPAN	35 15	139 58	1960 1999			
TI	TEHERAN	IRAN	35 41	51 25	1958 1999			
TOK	TOKIO	JAPAN	35 41	139 45	1897 1916		KA	
TS	TSINGTAO	CHINA	36 4	120 19	1907 1936	I		
KA	KAKIOKA	JAPAN	36 14	140 11	1913 1999	M	KA	
SF	SAN FERNANDO	SPAIN	36 28	-6 12	1891 1999			A
BZ	BOUZAREAH	ALGERIA	36 48	3 2	1900 1950	M		
AE	ALMERIA	SPAIN	36 51	-2 28	1955 1999			A
ZN	ZINSEN	KOREA	37 29	126 38	1918 1941	M		
SM	SAN MIGUEL (PT. DELGA)	PORTUGAL (AZORES IS)	37 46	-25 39	1911 1999			
AK	ASHKAHABAD	USSR	37 56	58 6	1957 0			
AH	ATHENS	GREECE	37 58	23 43	1899 1908		PE	
GI	GIBILMANNA	ITALY	37 59	14 1	1954 1957	M		V
PE	PENDELI	GREECE	38 3	23 52	1957 0		PE	
DK	DEKELEIA	GREECE	38 6	23 46	1935 1940		PE	
FR	FREDRICKSBURG	USA (VIRGINIA)	38 12	-77 22	1956 1999		FR	A
CN	CNAGAWA	JAPAN	38 26	141 28	0 0			
LS	LISBON	PORTUGAL	38 43	-9 9	1892 1900			
CH	CHELTENHAM	USA (MARYLAND)	38 44	-76 51	1901 1956		FR	
BW	BALDWIN	USA (KANSAS)	38 47	-95 10	1901 1909			
WT	WASHINGTON	USA (D.C.)	38 55	-77 3	1841 1894	I		
TL	TOLEDO	SPAIN	39 53	-4 3	1934 1999	I		A
PKG	PEKING	CHINA	39 57	116 28	1868 1883			
PH	PHILADELPHIA	USA (PA.)	39 58	-75 11	1840 1844			
BO	BOULDER	USA (COLORADO)	40 0	-105 16	1963 1999			A
CI	CIOMBRA	PORTUGAL	40 14	-8 25	1866 1999	M		
MDD	MADRID	SPAIN	40 25	-3 41	1892 1901			
CR	CAPRI	ITALY	40 33	14 13	1963 1999			
CR	CAPRI	ITALY	40 33	14 13	1957 1963			V
EB	EBRO	SPAIN	40 49	-0 31	1943 1999		EB	
TOR	TORTOSA	SPAIN	40 49	-0 30	1905 1938	I	EB	
CAP	CAPDIMONTE	ITALY	40 52	14 15	1882 1921	I		
IK	ISTANBUL-KANDILLI	TURKEY	41 4	29 4	1936 1999			
MD	MADDALENA	ITALY (SARDINIA)	41 13	9 24	0 0			
TK	TASHKENT	USSR	41 20	69 18	1883 1935	I	KE	
KE	KELES	USSR	41 25	69 12	1935 1999	I	KE	A
TF	TIBILISI (TIFLIS)	USSR	41 43	44 48	1844 1905		DT	
KRN	KARSANI	USSR	41 50	44 42	1905 1934	I	DT	
DT	DUSHETI	USSR	42 5	44 42	1935 1999		DT	
AQ	L'AQUILA	ITALY	42 23	13 19	1958 1999			A
LG	LOGRONO	SPAIN	42 27	-2 30	1956 1999			A
PN	PANAGYURISHTI	BULGARIA	42 31	24 11	1935 1999			
PP	PERPIGNAN	FRANCE	42 42	2 53	1890 1910	I		
MAI	MAITUN	USSR	43 15	132 20	1933 1947	I	VR	
CS	CHRISTCHURCH	NEW ZEALAND	43 32	172 37	1902 1930	I	AM	

Table II (A) Con't.
MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
TOU	TOULOUSE	FRANCE	43 37	1 28	1900 1905		
TNT	TORONTO	CANADA	43 39	-79 23	1841 1899	AG	
GJ	GORNOTAI EJNAIA	USSR	43 39	132 21	1958 1999	GJ	
VR	VOROSHILOV	USSR	43 41	132 10	1949 1958	VR	
NIZ	NIZZA	FRANCE	43 43	7 18	1885 1901	I	
AG	AGINCOURT	CANADA	43 47	-79 16	1899 1999	AG	A
WL	VLADIVOSTOK	USSR	43 47	132 10	0 1938	GJ	
MT	MEMAMBETSU	JAPAN	43 54	144 12	1950 1957		
BUC	BUCHAREST	RUMANIA	44 25	26 6	1898 1906	SU	
CA	CASTELLACCIO(GENOVA)	ITALY	44 26	8 56	1922 1999	M CA	A
CP	MCNTE CAPELLINO	ITALY	44 33	8 57	1956 1999		A
GC	GROCKA	YUGOSLAVIA	44 38	20 46	1958 1999		
SU	SURLARI	RUMANIA	44 41	26 15	1943 1999	SU	A
PL	POLA	ITALY	44 52	13 51	1881 1923	I CA	
EP	EAST PORT	USA(MAINE)	44 54	-66 59	1860 1864		
CD	ODESSA	USSR	46 26	30 46	1896 1925	I SK	
KF	KLAGENFURT	(AUSTRIA)	46 37	14 18	1891 1899		
CT	OTOMARI	JAPAN	46 39	142 46	1920 1941		
SK	STEPANOVKA	USSR	46 47	30 53	1934 1999	I SK	A
TY	TIHANY-NAGYCEK	HUNGARY	46 54	17 54	1955 1959	TY	
TYN	TOYCHARA NEW	JAPAN	46 57	142 45	1941 1944	SA	
TOY	TOYCHARA	JAPAN	46 58	142 45	1932 1940	I SA	SA
SA	YUZHNO-SAKHALINSK	USSR	46 58	142 45	1948 1959	SA	
JA	JASSY	RUMANIA	47 11	27 32	1931 1999	I	
NA	NANTES	FRANCE	47 15	-1 34	1881 1956	M	
RE	REGENSBERG	SWITZERLAND	47 29	8 27	1927 1999		
BK	BUDAKESZI	HUNGARY	47 31	18 54	1949 1955	TY	
SD	STARA DALA	CZECHOSLOVAKIA	47 52	18 11	1924 1954	HB	
CG	O-GYALLA PESTH	CZECHOSLOVAKIA	47 53	18 12	1890 1918	M HB	
HB	HURBANOV	CZECHOSLOVAKIA	47 54	18 11	1948 1999	HB	
CF	CHAMBCN-LA-FCRET	FRANCE	48 1	2 16	1936 1958	CF	
KM	KREMSMUNSTER	AUSTRIA	48 3	14 8	1900 1904		
MN	MUNICH	GERMANY	48 9	11 37	1840 1926	FU	
FU	FURSTENFELDBRUCK	GERMAN FED. REP.	48 10	11 17	1927 1999	M FU	A
VF	VIENNA-AUHOF	AUSTRIA	48 12	16 14	1929 1950	M VK	
MH	MAISACH	GERMANY	48 12	11 15	1925 1938	FU	
VW	VIENNA-WIEN	AUSTRIA	48 15	16 22	1874 1898	VK	
VK	VIENNA-KOBENZL	AUSTRIA	48 16	16 19	1954 1999	VK	
VI	VICTORIA	CANADA	48 31	-123 25	1956 1999		A
PC	PARC ST. MAUR	FRANCE	48 49	2 29	1880 1900	CF	
VJ	VAL JOYEUX	FRANCE	48 49	2 1	1901 1936	CF	
BU	BUDKOV	CZECHOSLOVAKIA	49 4	14 1	0 1999		
SH	ST HELIER	FRANCE (CHANNEL IS.)	49 12	-2 5	1898 1907	M	
LW	LVOV	USSR	49 54	23 45	1953 1999	LW	
PR	PRUHNICE	CZECHOSLOVAKIA	49 59	14 33	1946 1999	M PR	A
CW	CRACOW	POLAND	50 4	19 58	1906 1936	I	
PG	PRAGUE	CZECHOSLOVAKIA	50 5	14 25	1840 1926	PR	
DB	DOORBES	BELGIUM	50 6	4 36	1949 1999	DB	A
BM	BEUTHEN MIKILCW	GERMANY	50 9	18 54	1925 1932	BM	
FA	FALMOUTH	GR. BRIT.	50 9	-5 5	1892 1912		
MA	MANHAY	BELGIUM	50 18	5 41	1932 1955	M DB	
BEU	BEUTHEN	GERMANY	50 21	18 55	1900 1911	BM	
KV	KIEV	USSR	50 43	30 18	1958 1999		
HM	HERMSDORF	GERMANY	50 46	16 14	1901 1929		
UC	UCCLE (BRUSSELS)	BELGIUM	50 48	4 22	1891 1941	M DB	

Table II (A) Con't.
MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
FB	FREIBERG	(GERMANY)	50 55	13 21	1890 1899	I	
HA	HARTLAND	GR.BRIT.	50 58	-4 29	1957 1999		HA A
BS	BRESLAU	(POLAND)	51 7	17 2	1852 1895	I	
AB	ABINGER	GR.BRIT.	51 11	-0 23	1924 1957		HA
CM	COLLMBERG	GERMAN DEM.REP.	51 19	13 0	1935 1999		V
NE	NERCHINSK	(USSR)	51 19	119 37	1841 1864	I	
GR	GREENWICH	GR.BRIT.	51 28	0 0	1841 1925	M	HA
KW	KEW	GR.BRIT.	51 28	-0 19	1841 1924		HA
BC	BOCHUM	GERMANY	51 29	7 14	1889 1934	M	
AZ	NIZHNEDEVISTSK	USSR	51 31	38 22	1935 1940		
GT	GOTTINGEN	GERMAN FED. REP.	51 32	9 56	1833 1999		V
CL	CLAUSTHAL	GERMANY	51 48	10 20	1845 1918		
CV	CAHIRCIVEEN	IRELAND	51 54	-10 18	1888 1896		VL
VL	VALENTIA	IRELAND	51 56	-10 15	1899 1999		VL A
NI	NIEMEGK	GERMAN DEM. REP.	52 4	12 41	1931 1959	M	NI
UT	UTRECHT	NETHERLANDS	52 5	5 7	1891 1898		WI
DE	DE BILT	NETHERLANDS	52 6	5 11	1899 1938	M	WI
SW	SWIDER	POLAND	52 7	21 15	1914 1999	M	
IR	IRKUTSK	USSR	52 16	104 16	1867 1914		ZY
SE	SEDDIN	GERMANY	52 17	13 1	1908 1931		NI
PS	POTSDAM	GERMANY	52 23	13 4	1890 1928		NI
ZY	ZUY	USSR	52 28	104 2	1914 1999	I	ZY A
WI	WITTEVEEN	NETHERLANDS	52 49	6 40	1938 1999	M	WI
BNL	BARNAUL	USSR	53 20	83 47	1842 1873		
DN	DUBLIN	IRELAND	53 21	-6 16	1834 1850	I	
SZF	STETTIN-ZABELSDORF	GERMANY	53 27	14 34	1892 1901		
WS	WILHELMSHAVEN	GERMANY	53 32	8 9	1884 1932	I	WN
HG	HAMBERG	GERMANY	53 33	9 59	1865 1890		
WN	WINGST	GERMAN FED. REP.	53 45	9 4	1938 1999	M	WN
ST	STONYHURST	GR.BRIT.	53 51	-2 28	1900 1999	I	
LB	LUBECK	(GERMANY)	53 52	10 92	1865 1893		V
RO	ROSTOCK	(GERMANY)	54 6	12 9	1890 1903	I	
WU	WUSTROW	GERMANY	54 21	12 24	1891 1903	I	
BH	BARTH	GERMANY	54 22	12 45	1889 1903		
NF	NEUFABRWASSER	GERMANY	54 25	18 39	1891 1903	I	
ME	MEANOOK (EDMONTON)	CANADA	54 37	-113 20	1916 1999		A
HL	HEL	POLAND	54 37	18 49	1931 1999	I	
FL	FLENSBURG	GERMANY	54 47	9 26	1891 1903		
ES	ESKDALEMUIR	GR.BRIT.	55 19	-3 12	1908 1999	I	
MO	MCSCOW (KRAS-PAK)	USSR	55 28	37 19	1946 1999		MO
MK	MAKERSTOWN	GR.BRIT.	55 35	-2 31	1841 1849		
CN	COPENHAGEN	DENMARK	55 41	12 35	1892 1900		RS
MOS	MCSCOW	USSR	55 44	37 38	1880 1888		MO
KC	KUTSCHINO	USSR	55 46	37 58	1919 1933		MO
KN	KAZAN	USSR	55 47	49 8	1829 1913		ZA
ZA	ZAIMISHCHE	USSR	55 50	48 51	1909 1999		ZA
RS	RUDE SKOV	DENMARK	55 51	12 27	1901 1999	M	RS A
TM	TOMSK	USSR	56 28	84 56	0 0		
VD	VYSSOKAYA-DUBRAVA	USSR	56 44	61 4	1929 1999		VD A
KB	KATHERINENBURG	USSR	56 49	60 38	1841 1904	I	VD
SV	SVERDLOVSK	USSR	56 50	60 38	1900 1931	I	VD
SI	SITKA	USA (ALASKA)	57 4	-135 20	1902 1999	M	A
CHR	CHURCHILL	CANADA	58 48	-94 16	1957 1999	I	V
LO	LCVC	SWEDEN	59 21	17 50	1928 1999	M	A
SZ	SLUTZK	USSR	59 41	30 29	1878 1941		VV

Table II (A) Con't.
MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
CS	OSLO	NORWAY	59 55	10 43	1900 1930		
LN	LENINGRAD	USSR	59 56	30 42	1869 1877	VV	
VV	VCIKOVO	USSR	59 57	30 42	1946 1999	VV	
LE	LERWICK	SCOTLAND	60 8	-1 11	1923 1999		
NU	NURMIJARVI	FINLAND	60 31	24 39	1952 1999	M	A
JU	JULIANEHAAB	DENMARK (GREENLAND)	60 43	-46 2	1932 1961	M	
YA	YAKUTSK	USSR	62 1	129 40	1931 1999	I	A
DO	DOMBAS	NORWAY	62 4	9 7	1916 1999	M	
SR	SREDNIKAN	USSR	62 26	152 19	1935 1999	I	
RY	LEIRVOGUR (REYJAVIK)	ICELAND	64 11	-21 42	1958 1999		A
BL	BAKER LAKE	CANADA	64 20	-96 2	1949 1999		A
CO	COLLEGE	USA (ALASKA)	64 52	-147 50	1941 1999		A
WE	CAPE UELEN	USSR	66 10	-169 50	1933 1959	M	
KD	KANDALAKSCHA	USSR	67 8	32 26	1928 1935		
SO	SODANKYLA	FINLAND	67 22	26 39	1914 1999	M	A
KI	KIRUNA	SWEDEN	67 50	20 25	1950 1999		KI A
ABK	ABISKO	SWEDEN	68 21	18 49	1945 1999	I	KI
LY	LOPARSKAYA	USSR	68 38	33 12	1961 1999		LY
MM	MURMANSK	USSR	68 57	33 3	1957 1999		LY
GO	GODHAVN	DENMARK (GREENLAND)	69 14	-53 31	1926 1999	M	A
TR	TROMSO	NORWAY	69 40	18 57	1929 1999	M	
PB	PT. BARROW	USA (ALASKA)	71 18	-156 45	1949 1999		A
TX	TIXIE BAY	USSR	71 35	129 0	1944 1959	I	
VY	VYKHODNOI	USSR	73 14	56 44	1949 1955	I	VY
MS	MATOCHKIN SHAR	USSR	73 16	56 24	1923 1944	I	VY
DI	DIXON ISLAND	USSR	73 33	80 34	1932 1959	M	
B4	BEAR ISLAND	NORWAY	74 30	19 0	1952 1999		B4
RB	RESCLUTE BAY	CANADA	74 42	-94 54	1948 1999	M	A
MLB	MOULD BAY	CANADA	76 12	-119 24	1962 1999		A
TH	THULE	DENMARK (GREENLAND)	77 29	-69 10	1947 1959	M	
CC	CAPE CHELYUSKIN	USSR	77 43	104 17	1935 1959	M	
BT	TIKHAYA BAY	USSR	80 37	53 0	1932 1959	M	
AT	ALERT	CANADA	82 30	-62 30	0 1999		A
NP6	NORTH POLE SIX	USSR	83 0	130 0	0 0		
NP7	NORTH POLE SEVEN	USSR	86 0	-110 0	0 0		

Table II (B)
MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
BZ	BOUZAREAH	36 48	3 2	1900 1950	M		
EA	EL ABIOD SIDI	32 54	-0 33	1948 1954			
LQ	LA QUIACA	-22 7	-65 35	1920 1999	M		
NY	NEW YRS ISLAND	-54 39	-64 9	1902 1916			
PI	PILAR	-31 40	-63 53	1905 1999			
TW	TRELEW	-43 15	-65 19	1957 1999			
GS	GENERAL SAN MARTIN	-68 8	-67 26	0 0			
LI	LAURIE ISLAND	-60 43	-44 47	1903 1948	I	OR	
CR	ORCADAS DEL SUR(LI)	-60 44	-44 45	1949 1957		OR	
GN	GNANGARA	-31 47	115 57	1957 1999		GN	A
ML	MELBOURNE	-37 50	144 58	1893 1920	I	TO	
TO	TOOLANGI	-37 32	145 28	1919 1999		TO	A
WA	WATHEROO	-30 19	115 52	1919 1958		GN	
BR	BRISBANE	-27 32	152 55	1957 1999			S
WK	WILKES	-66 15	110 21	1957 1999	I		A
MW	MAWSON	-67 36	62 54	1955 1999			A
HI	HEARD ISLAND	-53 2	73 22	1950 1954			
PM	PORT MORESBY	-9 24	147 9	1957 1999	I		A
MI	MACQUARIE ISLAND	-54 30	158 57	1950 1999			A
KM	KREMSMUNSTER	48 3	14 8	1900 1904			
VF	VIENNA-AUHOF	48 12	16 14	1929 1950	M	VK	
VK	VIENNA-KOBENZL	48 16	16 19	1954 1999		VK	
VW	VIENNA-WIEN	48 15	16 22	1874 1898		VK	
DB	DOURBES	50 6	4 36	1949 1999		DB	A
MA	MANHAY	50 18	5 41	1932 1955	M	DB	
UC	UCCLE (BRUSSELS)	50 48	4 22	1891 1941	M	DB	
KL	KARAVIA	-11 38	27 26	1958 1999		KL	
EL	ELISABETHVILLE	-11 40	27 28	1932 1957		KL	
BN	BUNIA	1 32	30 11	0 0			
BI	BINZA	-4 23	15 16	1953 0		BI	
LP	LEOPOLDVILLE	-4 16	15 22	0 1956		BI	
LR	LWIRO	-2 15	28 48	0 0			
RJ	RIO DE JANEIRO	-22 55	-43 11	1899 1910	I	VA	
TT	TATUOCA	-1 12	-48 31	1933 1999	I		
VA	VASSOURAS	-22 54	-43 39	1915 1999		VA	
PN	PANAGYURISHTE	42 31	24 11	1935 1999			
TG	TCUNGOO	18 56	96 27	1905 1923			
ME	MEANOOK (EDMONTON)	54 37	-113 20	1916 1999			A
MLB	MOULD BAY	76 12	-119 24	1962 1999			A
VI	VICTORIA	48 31	-123 25	1956 1999			A
AT	ALERT	82 30	-62 30	0 1999			A
AG	AGINCOURT	43 47	-79 16	1899 1999		AG	A
BL	BAKER LAKE	64 20	-96 2	1949 1999			A
CHR	CHURCHILL	58 48	-94 16	1957 1999	I		V
RB	RESOLUTE BAY	74 42	-94 54	1948 1999	M		A
TNT	TORONTO	43 39	-79 23	1841 1899		AG	
AF	ANTOFAGASTA	-23 37	-70 16	0 0			
SN	SANTIAGO	-33 27	-70 42	1900 1909	I		
EI	EASTER ISLAND	-27 10	-109 26	0 0			A
AU	AU TAU	22 27	114 3	1927 1939		AU	
HK	HONGKONG	22 18	114 10	1900 1927		AU	
LK	LUKIAPANG	31 19	121 2	1908 1933	M	ZS	
PKG	PEKING	39 57	116 28	1868 1883			
TS	TSINGTAO	36 4	120 19	1907 1936	I		
ZI	ZIKAWEI	31 12	121 26	1900 1908		ZS	

Table II (B) Con't.
MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
ZS	ZC SE	CHINA	31 6	121 11	1908 1949	M	ZS
FQ	FUQUENE	COLOMBIA	5 28	-73 44	1953 1999		A
BU	BUDKOV	CZECHOSLOVAKIA	49 4	14 1	0 1999		
HB	HURBANOVO	CZECHOSLOVAKIA	47 54	18 11	1948 1999		HB
CG	O-GYALLA PESTH	CZECHOSLOVAKIA	47 53	18 12	1890 1918	M	HB
PG	PRAGUE	CZECHOSLOVAKIA	50 5	14 25	1840 1926		PR
PR	PRUHNICE	CZECHOSLOVAKIA	49 59	14 33	1946 1999	M	PR
SD	STARA DALA	CZECHOSLOVAKIA	47 52	18 11	1924 1954		HB
CN	COPENHAGEN	DENMARK	55 41	12 35	1892 1900		RS
CU	COPENHAGUE	DENMARK	-0 -0	-0 -0	1842 1859		RS
RS	RUDE SKOV	DENMARK	55 51	12 27	1901 1999	M	RS
GO	GODHAVN	DENMARK (GREENLAND)	69 14	-53 31	1926 1999	M	A
JU	JULIANEHAAB	DENMARK (GREENLAND)	60 43	-46 2	1932 1961	M	
TH	THULE	DENMARK (GREENLAND)	77 29	-69 10	1947 1959	M	
NR	NAIROBI	EAST AFRICA (KENYA)	-1 15	36 49	0 1999		
HE	HELWAN	EGYPT	29 52	31 20	1903 1957		MIS
MIS	MISALLAT	EGYPT	29 45	30 54	1957 1999		MIS
AA	ADDIS ABABA	ETHIOPIA	9 2	38 46	1958 1999		
NU	NURMIJARVI	FINLAND	60 31	24 39	1952 1999	M	A
SO	SODANKYLA	FINLAND	67 22	26 39	1914 1999	M	A
TP	TAIPEI (TAIHOKU)	FORMOSA	25 2	121 31	1919 1999	I	
CF	CHAMBCN-LA-FORET	FRANCE	48 1	2 16	1936 1958		CF
NA	NANTES	FRANCE	47 15	-1 34	1881 1956	M	
NIZ	NIZZA	FRANCE	43 43	7 18	1885 1901	I	
PC	PARC ST. MAUR	FRANCE	48 49	2 29	1880 1900		CF
PP	PERPIGNAN	FRANCE	42 42	2 53	1890 1910	I	
TOU	TOULOUSE	FRANCE	43 37	1 28	1900 1905		
VJ	VAL JOYEUX	FRANCE	48 49	2 1	1901 1936		CF
TA	TAMARRASSET	FRANCE (ALGERIA)	22 48	5 32	1930 1956	I	
CT	CHARCOT	FRANCE (ANTARCTICA)	-69 23	139 2	1951 1963		
BA	BANGUI	FRANCE (CEN AFR REP)	4 36	18 35	1952 1999	M	
SH	ST HELIER	FRANCE (CHANNEL IS.)	49 12	-2 5	1888 1907	M	
KG	KERGUELEN	FRANCE (INDIAN O.)	-49 21	70 15	1952 1999	M	KG
PF	PORT AUX FRANCAIS	FRANCE (INDIAN O.)	-49 25	69 53	1948 1952	I	KG
PJ	PORT JEANNE D'ARC	FRANCE (INDIAN O.)	-49 33	69 49	1902 1930	I	KG
TN	TANANARIVE	FRANCE (MALAGASY RP)	-18 55	47 33	1890 1999	M	
MB	M BOUR	FRANCE (SENEGAL)	14 24	-16 58	1952 1999		
BC	BOCHUM	GERMANY	51 29	7 14	1889 1934	M	
BEU	BEUTHEN	GERMANY	50 21	18 55	1900 1911		BM
BH	BARTH	GERMANY	54 22	12 45	1889 1903		
BM	BEUTHEN MIKILCW	GERMANY	50 9	18 54	1925 1932		BM
CL	CLAUSTHAL	GERMANY	51 48	10 20	1845 1918		
FL	PLENSBURG	GERMANY	54 47	9 26	1891 1903		
HG	HAMBERG	GERMANY	53 33	9 59	1885 1890		
HM	HERMSDORF	GERMANY	50 46	16 14	1901 1929		
NF	NEUFABRWASSER	GERMANY	54 25	18 39	1891 1903	I	
MN	MUNICH	GERMANY	48 9	11 37	1840 1926		FU
MH	MAISACH	GERMANY	48 12	11 15	1925 1938		FU
PS	POTSDAM	GERMANY	52 23	13 4	1890 1928		NI
SZF	STETTIN-ZABELSDORF	GERMANY	53 27	14 34	1892 1901		
WS	WILHELMSHAVEN	GERMANY	53 32	8 9	1884 1932	I	WN
WU	WUSTROW	GERMANY	54 21	12 24	1891 1903	I	
SE	SEDDIN	GERMANY	52 17	13 1	1908 1931		NI
NI	NIEMEGK	GERMAN DEM. REP.	52 4	12 41	1931 1959	M	NI
CM	COLLMBERG	GERMAN DEM. REP.	51 19	13 0	1935 1999		V

Table II (B) Con't.
MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
FU	FURSTENFELDBRUCK	GERMAN FED. REP.	48 10	11 17	1927 1999	M	FU A
GT	GOTTINGEN	GERMAN FED. REP.	51 32	9 56	1833 1999		V
WN	WINGST	GERMAN FED. REP.	53 45	9 4	1938 1999	M	WN
LL	LITTLE LEGON	GHANA	5 38	-0 12	0 0		A
TAM	TAMALE	GHANA	9 24	-0 -0	0 0		A
AH	ATHENS	GREECE	37 58	23 43	1899 1908		PE
DK	DEKELEIA	GREECE	38 6	23 46	1935 1940		PE
PE	PENDELI	GREECE	38 3	23 52	1957 0		PE
AB	ABINGER	GR.BRIT.	51 11	-0 23	1924 1957		HA
ES	ESKDALEMUIR	GR.BRIT.	55 19	-3 12	1908 1999	I	
FA	FALMOUTH	GR.BRIT.	50 9	-5 5	1892 1912		
GR	GREENWICH	GR.BRIT.	51 28	0 0	1841 1925	M	HA
HA	HARTLAND	GR.BRIT.	50 58	-4 29	1957 1999		HA A
MK	MAKERSTOWN	GR.BRIT.	55 35	-2 31	1841 1849		
ST	STONYHURST	GR.BRIT.	53 51	-2 28	1900 1999	I	A
KW	KEW	GR.BRIT.	51 28	-0 19	1841 1924		HA
AR	ARGENTINE ISLANDS	GR.BRIT.(ANTARCTICA)	-65 15	-64 16	1956 1999		A
HY	HALLEY BAY	GR.BRIT.(ANTARCTICA)	-75 31	-26 37	1957 1999		
CE	CAPE EVANS	GR.BRIT.(ANTARCTICA)	-77 38	166 24	1910 1913		
MPS	MADRAS	GR.BRIT.(INDIA)	13 4	80 15	1851 1855		
MR	MAURITIUS	GR.BRIT.(INDIAN O.)	-20 6	57 33	1900 1999		MR
RA	ROYAL ALFRED	GR.BRIT.(INDIAN O.)	-0 -0	-0 -0	1856 1937		MR
SP	SINGAPORE	GR.BRIT.(MALAYA)	1 17	103 51	1841 1845		
BK	BUDAKESZI	HUNGARY	47 31	18 54	1949 1955		TY
TY	TIHANY-NAGYCEK	HUNGARY	46 54	17 54	1955 1959		TY
RY	LEIRVOGUR (REYJAVIK)	ICELAND	64 11	-21 42	1958 1999		A
AL	BOMBAY-ALIBAG	INDIA	18 38	72 52	1904 1999		AL
CB	COLABA	INDIA	18 54	72 49	1846 1906		AL
DD	DEHRA DUN	INDIA	30 19	78 3	1902 1943		
KO	KODAIKANAL	INDIA	10 14	77 28	1902 1999	I	
TRE	TREVANDRUM	INDIA	8 31	77 0	1854 1869		TV
TV	TRIVANDRUM	INDIA	8 29	76 57	1957 1999		TV
ANN	ANNAMALAINAGAR	INDIA	11 22	79 41	1958 1999		
BP	BARRACKPORE	INDIA (BENGAL)	22 46	88 22	1904 1914		
BV	BATAVIA	INDONESIA	-6 11	106 49	1899 1928		KV
KU	KUYPER(PULAV BURUNG)	INDONESIA	-6 2	106 44	1928 1999		KV
TI	TEHERAN	IRAN	35 41	51 25	1958 1999		
DN	DUBLIN	IRELAND	53 21	-6 16	1834 1850	I	
CV	CAHIRCIVEEN	IRELAND	51 54	-10 18	1888 1896		VL
VL	VALENTIA	IRELAND	51 56	-10 15	1899 1999		VL A
AQ	L'AQUILA	ITALY	42 23	13 19	1958 1999		A
CA	CASTELLACCIO(GENOVA)	ITALY	44 26	8 56	1932 1999	M	CA A
CAP	CAPODIMONTE	ITALY	40 52	14 15	1882 1921	I	
CP	MCNTE CAPELLINO	ITALY	44 33	8 57	1956 1999		A
CR	CAPRI	ITALY	40 33	14 13	1963 1999		
CR	CAPRI	ITALY	40 33	14 13	1957 1963		V
GI	GIBILMANNA	ITALY	37 59	14 1	1954 1957	M	V
PL	POLA	ITALY	44 52	13 51	1881 1923	I	CA
MD	MADDALENA	ITALY (SARDINIA)	41 13	9 24	0 0		
AS	ASO	JAPAN	32 53	131 1	1940 1999		V
KA	KAKIOKA	JAPAN	36 14	140 11	1913 1999	M	KA
KT	KATUURA	JAPAN	33 38	135 57	1946 1954		SS
KZ	KANZAN	JAPAN	35 15	139 58	1960 1999		
MT	MEMAMBETSU	JAPAN	43 54	144 12	1950 1957		
CN	GNAGAWA	JAPAN	38 26	141 28	0 0		

Table II (B) Con't
MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
CT	OTOMARI	JAPAN	46 39	142 46	1920 1941		
SS	SIMOSATO	JAPAN	33 35	135 56	1954 1999	SS	
TOK	TOKIO	JAPAN	35 41	139 45	1857 1916	KA	
TOY	TOYCHARA	JAPAN	46 58	142 45	1932 1940	I SA	
TYN	TOYCHARA NEW	JAPAN	46 57	142 45	1941 1944	SA	
SY	SYOWA BASE	JAPAN (ANTARCTICA)	-69 2	39 36	0 1963		
ZN	ZINSEN	KOREA	37 29	126 38	1918 1941	M	
KS	KSARA	LEBANON	33 49	35 53	1907 1999	I	A
CJ	CUAJIMALPA	MEXICO	19 22	-99 20	1903 1912	TE	
MX	MEXICO CITY	MEXICO	19 26	-99 8	1879 1887	TE	
TB	TACUBAYA	MEXICO	19 24	-99 12	1889 1902	TE	
TE	TEOLOYUCAN	MEXICO	19 45	-99 11	1914 1999	M TE	
AM	AMBERLEY	NEW ZEALAND	-43 9	172 43	1928 1999	AM	
CS	CHRISTCHURCH	NEW ZEALAND	43 32	172 37	1902 1930	I AM	
HT	HALLETT STATION	NEW ZEALAND(ANTARCT)	-72 19	170 13	1957 1999	I	
RR	RAROTONGA	NEW ZEALAND(COOK IS)	-21 12	-159 46	0 1999		V
AP	APIA	NEW ZEALAND (SAMOA)	-13 49	-171 47	1905 1999	M	A
DE	DE BILT	NETHERLANDS	52 6	5 11	1899 1938	M	WI
UT	UTRECHT	NETHERLANDS	52 5	5 7	1851 1898		WI
WI	WITTEVEEN	NETHERLANDS	52 49	6 40	1938 1999	M	WI
HN	HOLLANDIA	NETHERLANDS (N.GUIN)	-2 35	140 31	1957 1999		
PA	PARAMARIBO	NETHERLANDS(SURINAM)	5 49	-55 10	1957 1999		
IB	IBADAN	NIGERIA	7 18	4 0	1957 1999		V
B4	BEAR ISLAND	NORWAY	74 30	19 0	1952 1999	B4	
DO	DOMBAS	NORWAY	62 4	9 7	1916 1999	M	
CS	OSLO	NORWAY	59 55	10 43	1900 1930		
TR	TROMSO	NORWAY	69 40	18 57	1929 1999	M	
CG	CHITTAGONG(DAMPARA)	PAKISTAN	22 21	91 49	0 0		
QU	QUETTA	PAKISTAN	30 11	66 57	1953 1999		
HU	HUANCAYO	PERU	-12 3	-75 20	1922 1999		A
AO	ANTIPOLO	PHILIPPINE IS.	14 36	121 10	1910 1940	MU	
MAN	MANILA	PHILIPPINE IS.	14 35	120 59	1888 1904	MU	
MU	MUNTINLUPA	PHILIPPINE IS.	14 22	121 1	1950 1999	M MU	
CW	CRACOW	POLAND	50 4	19 58	1906 1936	I	
HL	HEL	POLAND	54 37	18 49	1931 1999	I	
SW	SWIDER	POLAND	52 7	21 15	1914 1999	M	
CI	CIGMBRA	PORTUGAL	40 14	-8 25	1866 1999	M	
LS	LISBON	PORTUGAL	38 43	-9 9	1892 1900		
LU	LUANDA	PORTUGAL (ANGOLA)	-8 55	13 10	1956 1999	LU	
SL	ST. PAUL LOANDA	PORTUGAL (ANGOLA)	-8 49	13 13	1901 1927	LU	
SM	SAN MIGUEL(P.T.DELGA)	PORTUGAL (AZORES IS)	37 46	-25 39	1911 1999		
LM	LCURENCO, MARQUES	PORTUGAL(MOZAMBIQUE)	-25 55	32 35	1957 1999		
CTN	CAPETOWN	REP. OF SO. AFRICA	-33 57	18 28	1932 1941	HR	
HR	HERMANUS	REP. OF SO. AFRICA	-34 25	19 14	1940 1999	HR	A
BUC	BUCHAREST	RUMANIA	44 25	26 6	1898 1906	SU	
JA	JASSY	RUMANIA	47 11	27 32	1921 1999	I	
SU	SURLARI	RUMANIA	44 41	26 15	1943 1999	SU	A
LE	LERWICK	SCOTLAND	60 8	-1 11	1923 1999		
AE	ALMERIA	SPAIN	36 51	-2 28	1955 1999		A
EB	EBRC	SPAIN	40 49	-0 31	1943 1999	EB	
LG	LOGRONO	SPAIN	42 27	-2 30	1956 1999		A
MDD	MADRID	SPAIN	40 25	-3 41	1892 1901		
SF	SAN FERNANDO	SPAIN	36 28	-6 12	1891 1999		A
TL	TOLEDO	SPAIN	39 53	-4 3	1934 1999	I	A
TOR	TORTOSA	SPAIN	40 49	-0 30	1905 1938	I EB	

Table II (B) Con't
MAGNETIC OBSERVATORIES

	OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
TC	TENERIFE	SPAIN (CANARY IS.)	28 29	-16 17	1959 1999			A
MC	MCCA	SPAIN (FERNANDO POO)	3 21	8 40	1958 1999	I		A
ABK	ABISKO	SWEDEN	68 21	18 49	1945 1999	I	KI	
KI	KIRUNA	SWEDEN	67 50	20 25	1950 1999		KI	A
LO	LOVO	SWEDEN	59 21	17 50	1928 1999	M		A
RE	REGENSBERG	SWITZERLAND	47 29	8 27	1927 1999			
DR	DARESSALAM	TANGANYIKA	-6 49	39 19	1856 1900	I		
IK	ISTANBUL-KANDILLI	TURKEY	41 4	29 4	1936 1999			
SI	SITKA	USA (ALASKA)	57 4	-135 20	1902 1999	M		A
PB	PT. BARROW	USA (ALASKA)	71 18	-156 45	1949 1999			A
CO	COLLEGE	USA (ALASKA)	64 52	-147 50	1941 1999			A
AD	ADMUNDSEN-SCOTT	USA (ANTARCTICA)	-90 0	-0 -0	1957 1999			A
EG	EIGHTS STATION	USA (ANTARCTICA)	-75 15	-77 15	1963 1999			A
LA3	LITTLE AMERICA III	USA (ANTARCTICA)	-78 10	-165 35	1940 1950	M		
BY	BYRD STATION	USA (ANTARCTICA)	-80 1	-119 31	1957 1999	M		A
TU	TUCSON	USA (ARIZONA)	32 15	-110 50	1909 1999	I		A
LA	LOS ANGELES	USA (CALIF.)	34 3	-118 15	1883 1888			
BO	BOULDER	USA (COLORADO)	40 0	-105 16	1903 1999			A
WT	WASHINGTON	USA (D.C.)	38 55	-77 3	1841 1894	I		
KEY	KEY WEST	USA (FLORIDA)	24 33	-81 48	1860 1866			
HO	HONOLULU	USA (HAWAII)	21 19	-158 0	1902 1999	M		A
BW	BALDWIN	USA (KANSAS)	38 47	-95 10	1901 1909			
GU	GUAM	USA (MARIANAS IS.)	13 35	144 52	1957 1999			A
EP	EAST PORT	USA (MAINE)	44 54	-66 59	1860 1864			
CH	CHELTHENHAM	USA (MARYLAND)	38 44	-76 51	1901 1956		FR	
KR	KOROR (PALAU)	USA (PACIFIC)	7 20	134 30	1926 1941	M		
PH	PHILADELPHIA	USA (PA.)	39 58	-75 11	1840 1844			
VQ	VIEQUES	USA (PUERTO RICO)	18 9	-65 27	1903 1924		SJ	
SJ	SAN JUAN	USA (PUERTO RICO)	18 23	-66 7	1926 1999		SJ	A
DL	DALLAS	USA (TEXAS)	33 4	-96 48	1903 1999			A
FR	FREDRICKSBURG	USA (VIRGINIA)	38 12	-77 22	1956 1999		FR	A
AK	ASHKAHABAD	USSR	37 56	58 6	1957 0			
BNL	BARNAUL	USSR	53 20	83 47	1842 1873			
BT	TIKHAYA BAY	USSR	80 37	53 0	1932 1959	M		
DI	DIXON ISLAND	USSR	73 33	80 34	1932 1959	M		
DT	DUSHETI	USSR	42 5	44 42	1935 1999		DT	
KB	KATHERINENBURG	USSR	56 49	60 38	1841 1904	I	VD	
KC	KUTSCHINO	USSR	55 46	37 58	1919 1933		MO	
KD	KANDALAKSCHA	USSR	67 8	32 26	1928 1935			
KE	KELES	USSR	41 25	69 12	1935 1999	I	KE	A
KN	KAZAN	USSR	55 47	49 8	1829 1913		ZA	
KRN	KARSANI	USSR	41 50	44 42	1905 1934	I	DT	
KV	KIEV	USSR	50 43	30 18	1958 1999			
LN	LENINGRAD	USSR	59 56	30 42	1869 1877		VV	
LW	LVOV	USSR	49 54	23 45	1953 1999		LW	
LY	LOPARSKAYA	USSR	68 38	33 12	1961 1999		LY	
MM	MURMANSK	USSR	68 57	33 3	1957 1999		LY	
MO	MCSCOW (KRAS-PAK)	USSR	55 28	37 19	1946 1999		MO	
MOS	MCSCOW	USSR	55 44	37 38	1880 1888		MO	
MS	MATCCHKIN SHAR	USSR	73 16	56 24	1923 1944	I	VV	
NP8	NORTH POLE EIGHT	USSR	-0 -0	-0 -0	0 0			
NZ	NIZHNEDEVISTSK	USSR	51 31	38 22	1935 1940			
OD	ODESSA	USSR	46 26	30 46	1856 1925	I	SK	
SK	STEPANOVKA	USSR	46 47	30 53	1934 1999	I	SK	A
SV	SVERDLOVSK	USSR	56 50	60 38	1900 1931	I	VD	

Table II (B) Con't
MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
SZ	SLUTZK	USSR	59 41	30 29	1878 1941		VV
TF	TIBILISI (TIFLIS)	USSR	41 43	44 48	1844 1905		DT
TK	TASHKENT	USSR	41 20	69 18	1883 1935	I	KE
TM	TOMSK	USSR	56 28	84 56	0 0		
VD	VYSSOKAYA-DUBRAVA	USSR	56 44	61 4	1929 1999		VD A
VV	VOIKOVO	USSR	59 57	30 42	1946 1999		VV
VY	VYKHODNOI	USSR	73 14	56 44	1949 1955	I	VY
ZA	ZAIMISHCHE	USSR	55 50	48 51	1909 1999		ZA
CC	CAPE CHELYUSKIN	USSR	77 43	104 17	1935 1959	M	
GJ	GORNOTAIEJNAIA	USSR	43 39	132 21	1958 1999		GJ
IR	IRKUTSK	USSR	52 16	104 16	1887 1914		ZY
MAI	MAITUN	USSR	43 15	132 20	1933 1947	I	VR
NP7	NORTH POLE SEVEN	USSR	86 0	-110 0	0 0		
NP6	NORTH POLE SIX	USSR	83 0	130 0	0 0		
SA	YUZHNO-SAKHALINSK	USSR	46 58	142 45	1948 1959		SA
SR	SREDNIKAN	USSR	62 26	152 19	1935 1999	I	
TX	TIXIE BAY	USSR	71 35	129 0	1944 1959	I	
VR	VCROSHILOV	USSR	43 41	132 10	1949 1958		VR
WE	CAPE UELEN	USSR	66 10	-169 50	1933 1959	M	
WL	VLADIVOSTOK	USSR	43 47	132 10	0 1938		GJ
YA	YAKUTSK	USSR	62 1	129 40	1931 1999	I	A
ZY	ZUY	USSR	52 28	104 2	1914 1999	I	ZY A
VO	VOSTOK	USSR (ANTARCTICA)	-78 27	106 52	0 0		
PO	PIGERSKAYA	USSR (ANTARCTICA)	-69 44	95 30	0 0		
CA	OASIS	USSR (ANTARCTICA)	-66 6	92 9	0 0		
MY	MIRNY	USSR (ANTARCTICA)	-66 33	93 1	1956 1999		
NL	NOVO LAZEREV	USSR (ANTARCTICA)	-69 58	12 55	0 0		
SG	SAIGON	VIET NAM	10 49	106 40	0 0		
KF	KLAGENFURT	(AUSTRIA)	46 37	14 18	1891 1899		
FB	FREIBERG	(GERMANY)	50 55	13 21	1890 1899	I	
LB	LUBECK	(GERMANY)	53 52	10 92	1885 1893		V
RO	ROSTOCK	(GERMANY)	54 6	12 9	1890 1903	I	
BS	BRESLAU	(POLAND)	51 7	17 2	1852 1895	I	
GC	GROCKA	YUGOSLAVIA	44 38	20 46	1958 1999		
NE	NERCHINSK	(USSR)	51 19	119 37	1841 1864	I	

Table II (C)
MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
AB	ABINGER	GR.BRIT.	51 11	-0 23	1924 1957	HA	
AA	ADDIS ABABA	ETHIOPIA	9 2	38 46	1958 1999		
ABK	ABISKO	SWEDEN	68 21	18 49	1945 1999	I	KI
AD	ADMUNDSEN-SCOTT	USA (ANTARCTICA)	-90 0	-0 -0	1957 1999		A
AE	ALMERIA	SPAIN	36 51	-2 28	1955 1999		A
AF	ANTOFAGASTA	CHILE	-23 37	-70 16	0 0		
AG	AGINCOURT	CANADA	43 47	-79 16	1899 1999		AG
AH	ATHENS	GREECE	37 58	23 43	1899 1908		PE
AK	ASHKAHABAD	USSR	37 56	58 6	1957 0		
AL	BOMBAY-ALIBAG	INDIA	18 38	72 52	1904 1999		AL
AM	AMBERLEY	NEW ZEALAND	-43 9	172 43	1928 1999		AM
ANN	ANNAMALAINAGAR	INDIA	11 22	79 41	1958 1999		
AO	ANTIPOLO	PHILIPPINE IS.	14 36	121 10	1910 1940		MU
AP	APIA	NEW ZEALAND (SAMOA)	-13 49	-171 47	1905 1999	M	A
AQ	L'AQUILA	ITALY	42 23	13 19	1958 1999		A
AR	ARGENTINE ISLANDS	GR.BRIT.(ANTARCTICA)	-65 15	-64 16	1956 1999		A
AS	ASO	JAPAN	32 53	131 1	1940 1999		V
AT	ALERT	CANADA	82 30	-62 30	0 1999		A
AU	AU TAU	CHINA	22 27	114 3	1927 1939		AU
BA	BANGUI	FRANCE (CEN AFR REP)	4 36	18 35	1952 1999	M	
BC	BOCHUM	GERMANY	51 29	7 14	1889 1934	M	
BEU	BEUTHEN	GERMANY	50 21	18 55	1900 1911		BM
BH	BARTH	GERMANY	54 22	12 45	1889 1903		
BI	BINZA	BELGIUM (BEL.CONGO)	-4 23	15 16	1953 0		BI
BK	BUDAKESZI	HUNGARY	47 31	18 54	1949 1955		TY
BL	BAKER LAKE	CANADA	64 20	-96 2	1949 1999		A
BM	BEUTHEN MIKILCW	GERMANY	50 9	18 54	1925 1932		BM
BN	BUNIA	BELGIUM (BEL.CONGO)	1 32	30 11	0 0		
BNE	BARNAUL	USSR	53 20	83 47	1842 1873		
BO	BOULDER	USA (COLORADO)	40 0	-105 16	1963 1999		A
BP	BARRACKPORE	INDIA (BENGAL)	22 46	88 22	1904 1914		
BR	BRISBANE	AUSTRALIA	-27 32	152 55	1957 1999		S
BS	BRESLAU	(POLAND)	51 7	17 2	1852 1895	I	
BT	TIKHAYA BAY	USSR	80 37	53 0	1932 1959	M	
BU	BUDKOV	CZECHOSLOVAKIA	49 4	14 1	0 1999		
BUC	BUCHAREST	RUMANIA	44 25	26 6	1898 1906		SU
BV	BATAVIA	INDONESIA	-6 11	106 49	1899 1928		KV
BW	BALOWIN	USA (KANSAS)	38 47	-95 10	1901 1909		
BY	BYRD STATION	USA (ANTARCTICA)	-80 1	-119 31	1957 1999	M	A
BZ	BOUZAREAH	ALGERIA	36 48	3 2	1900 1950	M	
B4	BEAR ISLAND	NORWAY	74 30	19 0	1952 1999		B4
CA	CASTELLACCIO(GENOVA)	ITALY	44 26	8 56	1932 1999	M	CA
CAP	CAPODIMONTE	ITALY	40 52	14 15	1882 1921	I	A
CB	COLABA	INDIA	18 54	72 49	1846 1906		AL
CC	CAPE CHELYUSKIN	USSR	77 43	104 17	1935 1959	M	
CE	CAPE EVANS	GR.BRIT.(ANTARCTICA)	-77 38	166 24	1910 1913		
CF	CHAMBON-LA-FORET	FRANCE	48 1	2 16	1936 1958		CF
CG	CHITTAGONG(DAMPARA)	PAKISTAN	22 21	91 49	0 0		
CH	CHELTENHAM	USA (MARYLAND)	38 44	-76 51	1901 1956		FR
CHR	CHURCHILL	CANADA	58 48	-94 16	1957 1999	I	V
CI	CIOMBRA	PORTUGAL	40 14	-8 25	1866 1999	M	
CJ	CUAJIMALPA	MEXICO	19 22	-99 20	1903 1912		TE
CL	CLAUSTHAL	GERMANY	51 48	10 20	1845 1918		
CM	COLLBERG	GERMAN DEM.REP.	51 19	13 0	1935 1999		V
CN	COPENHAGEN	DENMARK	55 41	12 35	1892 1900		RS

Table II (C) Con't.
MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
CO	COLLEGE	USA (ALASKA)	64 52	-147 50	1941 1999		A
CP	MENTE CAPELLINO	ITALY	44 33	8 57	1956 1999		A
CR	CAPRI	ITALY	40 33	14 13	1963 1999		
CR	CAPRI	ITALY	40 33	14 13	1957 1963		V
CS	CHRISTCHURCH	NEW ZEALAND	43 32	172 37	1902 1930	I	AM
CT	CHARCOT	FRANCE (ANTARCTICA)	-69 23	139 2	1951 1963		
CTM	CAPETOWN	REP. OF SO. AFRICA	-33 57	18 28	1922 1941		HR
CU	COPENHAGUE	DENMARK	-0 -0	-0 -0	1842 1859		RS
CV	CAHRCIVEEN	IRELAND	51 54	-10 18	1888 1896		VL
CW	CRACOW	POLAND	50 4	19 58	1906 1936	I	
DB	DOURBES	BELGIUM	50 6	4 36	1949 1999		DB
DD	DEHRA DUN	INDIA	30 19	78 3	1902 1943		
DE	DE BILT	NETHERLANDS	52 6	5 11	1899 1938	M	WI
DI	DIXON ISLAND	USSR	73 33	80 34	1932 1959	M	
DK	DEKELEIA	GREECE	38 6	23 46	1935 1940		PE
DL	DALLAS	USA (TEXAS)	33 4	-96 48	1963 1999		A
DN	DUBLIN	IRELAND	53 21	-6 16	1834 1850	I	
DO	DOMBAS	NORWAY	62 4	9 7	1916 1999	M	
DR	DARESSALAM	TANGANYIKA	-6 49	39 19	1896 1900	I	
DT	DUSHETI	USSR	42 5	44 42	1935 1999		DT
EA	EL ABIOD SIDI	ALGERIA	32 54	-0 33	1948 1954		
EB	EBRO	SPAIN	40 49	-0 31	1943 1999		EB
EG	EIGHTS STATION	USA (ANTARCTICA)	-75 15	-77 15	1963 1999		A
EI	EASTER ISLAND	CHILE(SOUTH PACIFIC)	-27 10	-109 26	0 0		A
EL	ELISABETHVILLE	BELGIUM (BEL. CONGO)	-11 40	27 28	1932 1957		KL
EP	EAST PORT	USA(MAINE)	44 54	-66 59	1860 1864		
ES	ESKDALEMUIR	GR. BRIT.	55 19	-3 12	1908 1999	I	
FA	FALMOUTH	GR. BRIT.	50 9	-5 5	1892 1912		
FB	FREIBERG	(GERMANY)	50 55	13 21	1890 1899	I	
FL	FLENSBURG	GERMANY	54 47	9 26	1891 1903		
FQ	FUQUENE	COLOMBIA	5 28	-73 44	1953 1999		A
FR	FREDRICKSBURG	USA (VIRGINIA)	38 12	-77 22	1956 1999		FR
FU	FURSTENFELDBRUCK	GERMAN FED. REP.	48 10	11 17	1927 1999	M	FU
GC	GROCKA	YUGOSLAVIA	44 38	20 46	1958 1999		
GI	GIBILMANNA	ITALY	37 59	14 1	1954 1957	M	V
GJ	GORNOTAIEJNAIA	USSR	43 39	132 21	1958 1999		GJ
GN	GNANGARA	AUSTRALIA	-31 47	115 57	1957 1999		GN
GO	GODHAVN	DENMARK (GREENLAND)	69 14	-53 31	1926 1999	M	A
GR	GREENWICH	GR. BRIT.	51 28	0 0	1841 1925	M	HA
GS	GENERAL SAN MARTIN	ARGENTINA (ANTARCT)	-68 8	-67 26	0 0		
GT	GOTTINGEN	GERMAN FED. REP.	51 32	9 56	1833 1999		V
GU	GUAM	USA (MARIANAS IS.)	13 35	144 52	1957 1999		A
HA	HARTLAND	GR. BRIT.	50 58	-4 29	1957 1999		HA
HB	HURBANOVO	CZECHOSLOVAKIA	47 54	18 11	1948 1999		HB
HE	HELWAN	EGYPT	29 52	31 20	1903 1957		MIS
HG	HAMBERG	GERMANY	53 33	9 59	1885 1890		
HI	HEARD ISLAND	AUSTRALIA (INDIAN O.)	-53 2	73 22	1950 1954		
HK	HONGKONG	CHINA	22 18	114 10	1900 1927		AU
HL	HEL	POLAND	54 37	18 49	1931 1999	I	
HM	HERMSDORF	GERMANY	50 46	16 14	1901 1929		
HN	HOLLANDIA	NETHERLANDS (N. GUIN)	-2 35	140 31	1957 1999		
HO	HONOLULU	USA (HAWAII)	21 19	-158 0	1902 1999	M	A
HR	HERMANUS	REP. OF SO. AFRICA	-34 25	19 14	1940 1999		HR
HT	HALLETT STATION	NEW ZEALAND (ANTARCT)	-72 19	170 13	1957 1999	I	
HU	HUANCAYO	PERU	-12 3	-75 20	1922 1999		A

Table II (C) Con't
MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
HY	HALLEY BAY	GR.BRIT(ANTARCTICA)	-75 31	-26 37	1957 1999		
IB	IBADAN	NIGERIA	7 18	4 0	1957 1999		V
IK	ISTANBUL-KANDILLI	TURKEY	41 4	29 4	1936 1999		
IR	IRKUTSK	USSR	52 16	104 16	1887 1914		ZY
JA	JASSY	RUMANIA	47 11	27 32	1931 1999	I	
JU	JULIANEHAAB	DENMARK (GREENLAND)	60 43	-46 2	1932 1961	M	
KA	KAKIOKA	JAPAN	36 14	140 11	1913 1999	M	KA
KB	KATHERINENBURG	USSR	56 49	60 38	1841 1904	I	VD
KC	KUTSCHINO	USSR	55 46	37 58	1919 1933		MO
KD	KANDALAKSCHA	USSR	67 8	32 26	1928 1935		
KE	KELES	USSR	41 25	69 12	1935 1999	I	KE
KEY	KEY WEST	USA(FLORIDA)	24 33	-81 48	1860 1866		
KF	KLAGENFURT	(AUSTRIA)	46 37	14 18	1891 1899		
KG	KERGUELEN	FRANCE (INDIAN O.)	-49 21	70 15	1952 1999	M	KG
KI	KIRUNA	SWEDEN	67 50	20 25	1950 1999		KI
KL	KARAVIA	BELGIUM (BEL.CONGO)	-11 38	27 26	1958 1999		KL
KM	KREMSMUNSTER	AUSTRIA	48 3	14 8	1900 1904		
KN	KAZAN	USSR	55 47	49 8	1829 1913		ZA
KO	KODAIKANAL	INDIA	10 14	77 28	1902 1999	I	
KR	KOROR (PALAU)	USA (PACIFIC)	7 20	134 30	1926 1941	M	
KRN	KARSANI	USSR	41 50	44 42	1905 1934	I	DT
KS	KSARA	LEBANON	33 49	35 53	1907 1999	I	
KT	KATUURA	JAPAN	33 38	135 57	1946 1954		SS
KU	KUYPER(PULAV BURUNG)	INDONESIA	-6 2	106 44	1928 1999		KV
KV	KIEV	USSR	50 43	30 18	1958 1999		
KW	KEW	GR.BRIT.	51 28	-0 19	1841 1924		HA
KZ	KANOZAN	JAPAN	35 15	139 58	1960 1999		
LA	LOS ANGELES	USA(CALIF.)	34 3	-118 15	1883 1888		
LA3	LITTLE AMERICA III	USA (ANTARCTICA)	-78 10	-165 35	1940 1950	M	
LB	LUBECK	(GERMANY)	53 52	10 92	1885 1893		
LE	LERWICK	SCOTLAND	60 8	-1 11	1923 1999		
LG	LOGRONO	SPAIN	42 27	-2 30	1956 1999		A
LI	LAURIE ISLAND	ARGENTINA (ORCADAS)	-60 43	-44 47	1903 1948	I	OR
LK	LUKIAPANG	CHINA	31 19	121 2	1908 1933	M	ZS
LL	LITTLE LEGON	GHANA	5 38	-0 12	0 0		
LM	LOURENCO, MARQUES	PORTUGAL(MOZAMBIQUE)	-25 55	32 35	1957 1999		
LN	LENINGRAD	USSR	59 56	30 42	1869 1877		VV
LO	LOVO	SWEDEN	59 21	17 50	1928 1999	M	
LP	LEOPOLDVILLE	BELGIUM (BEL.CONGO)	-4 16	15 22	0 1956		BI
LQ	LA QUIACA	ARGENTINA	-22 7	-65 35	1920 1999	M	
LR	LWIRO	BELGIUM (BEL.CONGO)	-2 15	28 48	0 0		
LS	LISBON	PORTUGAL	38 43	-9 9	1892 1900		
LU	LUANDA	PORTUGAL (ANGOLA)	-8 55	13 10	1956 1999		LU
LW	LVOV	USSR	49 54	23 45	1953 1999		LW
LY	LOPARSKAYA	USSR	68 38	33 12	1961 1999		LY
MA	MANHAY	BELGIUM	50 18	5 41	1932 1955	M	DB
MAI	MAITUN	USSR	43 15	132 20	1933 1947	I	VR
MAN	MANILA	PHILIPPINE IS.	14 35	120 59	1888 1904		MU
MB	M BOUR	FRANCE (SENEGAL)	14 24	-16 58	1952 1999		
MC	MCCA	SPAIN (FERNANDO POO)	3 21	8 40	1958 1999	I	
MD	MADDALENA	ITALY (SARDINIA)	41 13	9 24	0 0		
MDD	MADRID	SPAIN	40 25	-3 41	1892 1901		
ME	MEANOOK (EDMONTON)	CANADA	54 37	-113 20	1916 1999		
MH	MAISACH	GERMANY	48 12	11 15	1925 1938		FU
MI	MACQUARIE ISLAND	AUSTRALIA(S.PACIFIC)	-54 30	158 57	1950 1999		A

Table II (C) Con't.
MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
MIS	MISALLAT	EGYPT	29 45	30 54	1957 1999		MIS
MK	MAKERSTOWN	GR.BRIT.	55 35	-2 31	1841 1849		
ML	MELBOURNE	AUSTRALIA	-37 50	144 58	1893 1920	I	TO
MLB	MOULD BAY	CANADA	76 12	-119 24	1962 1999		A
MM	MURMANSK	USSR	68 57	33 3	1957 1999		LY
MN	MUNICH	GERMANY	48 9	11 37	1840 1926		FU
MO	MOSCOW (KRAS-PAK)	USSR	55 28	37 19	1946 1999		MO
MOS	MOSCOW	USSR	55 44	37 38	1880 1888		MO
MPS	MADRAS	GR.BRIT.(INDIA)	13 4	80 15	1851 1855		
MR	MAURITIUS	GR.BRIT.(INDIAN O.)	-20 6	57 33	1900 1999		MR
MS	MATCCHKIN SHAR	USSR	73 16	56 24	1923 1944	I	VY
MT	MEMAMBETSU	JAPAN	43 54	144 12	1950 1957		
MU	MUNTINLUPA	PHILIPPINE IS.	14 22	121 1	1950 1999	M	NU
MW	MAWSON	AUSTRALIA (ANTARCT)	-67 36	62 54	1955 1999		A
MX	MEXICO CITY	MEXICO	19 26	-99 8	1879 1887		TE
MY	MIRNY	USSR (ANTARCTICA)	-66 33	93 1	1956 1999		
NA	NANTES	FRANCE	47 15	-1 34	1881 1956	M	
NE	NERCHINSK	(USSR)	51 19	119 37	1841 1864	I	
NF	NEUFABRWASSER	GERMANY	54 25	18 39	1891 1903	I	
NI	NIEMEGK	GERMAN DEM. REP.	52 4	12 41	1921 1959	M	NI
NIZ	NIZZA	FRANCE	43 43	7 18	1885 1901	I	
NL	NOVO LAZEREV	USSR (ANTARCTICA)	-69 58	12 55	0 0		
NP8	NORTH POLE EIGHT	USSR	-0 -0	-0 -0	0 0		
NP7	NORTH POLE SEVEN	USSR	86 0	-110 0	0 0		
NP6	NORTH POLE SIX	USSR	83 0	130 0	0 0		
NR	NAIROBI	EAST AFRICA (KENYA)	-1 15	36 49	0 1999		
NU	NURMIJARVI	FINLAND	60 31	24 39	1952 1999	M	A
NY	NEW YRS ISLAND	ARGENTINA	-54 39	-64 9	1902 1916		
NZ	NIZHNEDEVISTSK	USSR	51 31	38 22	1935 1940		
OA	OASIS	USSR (ANTARCTICA)	-66 6	92 9	0 0		
OD	ODESSA	USSR	46 26	30 46	1856 1925	I	SK
OG	O-GYALLA PESTH	CZECHOSLOVAKIA	47 53	18 12	1890 1918	M	HB
ON	ONAGAWA	JAPAN	38 26	141 28	0 0		
OR	ORCADAS DEL SUR(LI)	ARGENTINA (ORCADAS)	-60 44	-44 45	1949 1957		OR
OS	OSLO	NORWAY	59 55	10 43	1900 1930		
OT	OTOMARI	JAPAN	46 39	142 46	1920 1941		
PA	PARAMARIBO	NETHERLANDS(SURINAM)	5 49	-55 10	1957 1999		
PB	PT.BARROW	USA (ALASKA)	71 18	-156 45	1949 1999		A
PC	PARC ST. MAUR	FRANCE	48 49	2 29	1880 1900		CF
PE	PENDELI	GREECE	38 3	23 52	1957 0		PE
PF	PORT AUX FRANCAIS	FRANCE (INDIAN O.)	-49 25	69 53	1948 1952	I	KG
PG	PRAGUE	CZECHOSLOVAKIA	50 5	14 25	1840 1926		PR
PH	PHILADELPHIA	USA(PA.)	39 58	-75 11	1840 1844		
PI	PILAR	ARGENTINA	-31 40	-63 53	1905 1999		
PJ	PORT JEANNE D'ARC	FRANCE (INDIAN O.)	-49 33	69 49	1902 1930	I	KG
PKG	PEKING	CHINA	39 57	116 28	1868 1883		
PL	POLA	ITALY	44 52	13 51	1881 1923	I	CA
PM	PORT MORESBY	AUSTRALIA (NEW GUIN)	-9 24	147 9	1957 1999	I	A
PN	PANAGYURISHTE	BULGARIA	42 31	24 11	1935 1999		
PO	PIONERSKAYA	USSR (ANTARCTICA)	-69 44	95 30	0 0		
PP	PERPIGNAN	FRANCE	42 42	2 53	1890 1910	I	
PR	PRUHONICE	CZECHOSLOVAKIA	49 59	14 33	1946 1999	M	PR A
PS	POTS DAM	GERMANY	52 23	13 4	1890 1928		NI
QU	QUETTA	PAKISTAN	30 11	66 57	1953 1999		
RA	ROYAL ALFRED	GR.BRIT.(INDIAN O.)	-0 -0	-0 -0	1856 1937		MR

Table II (C) Con't
MAGNETIC OBSERVATORIES

	OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
RB	RESOLUTE BAY	CANADA	74 42	-94 54	1948 1999	M		A
RE	REGENSBERG	SWITZERLAND	47 29	8 27	1927 1999			
RJ	RIO DE JANEIRO	BRAZIL	-22 55	-43 11	1899 1910	I	VA	
RO	ROSTOCK	(GERMANY)	54 6	12 9	1890 1903	I		
RR	RAROTONGA	NEW ZEALAND(COOK IS)	-21 12	-159 46	0 1999			V
RS	RUDE SKOV	DENMARK	55 51	12 27	1901 1999	M	RS	A
RY	LEIRVOGUR (REYJAVIK)	ICELAND	64 11	-21 42	1958 1999			A
SA	YUZHNO-SAKHALINSK	USSR	46 58	142 45	1948 1959		SA	
SD	STARA DALA	CZECHOSLOVAKIA	47 52	18 11	1924 1954		HB	
SE	SEDDIN	GERMANY	52 17	13 1	1908 1931		NI	
SF	SAN FERNANDO	SPAIN	36 28	-6 12	1891 1999			A
SG	SAIGON	VIET NAM	10 49	106 40	0 0			
SH	ST HELIER	FRANCE (CHANNEL IS.)	49 12	-2 5	1858 1907	M		
SI	SITKA	USA (ALASKA)	57 4	-135 20	1902 1999	M		A
SJ	SAN JUAN	USA (PUERTO RICO)	18 23	-66 7	1926 1999		SJ	A
SK	STEPANOVKA	USSR	46 47	30 53	1934 1999	I	SK	A
SL	ST. PAUL LOANDA	PORTUGAL (ANGOLA)	-8 49	13 13	1901 1927		LU	
SM	SAN MIGUEL (PT. DELGA)	PORTUGAL (AZORES IS)	37 46	-25 39	1911 1999			
SN	SANTIAGO	CHILE	-33 27	-70 42	1900 1909	I		
SO	SODANKYLA	FINLAND	67 22	26 39	1914 1999	M		A
SP	SINGAPORE	GR. BRIT. (MALAYA)	1 17	103 51	1841 1845			
SR	SREDNIKAN	USSR	62 26	152 19	1935 1999	I		
SS	SIMCSATO	JAPAN	33 35	135 56	1954 1999		SS	
ST	STONYHURST	GR. BRIT.	53 51	-2 28	1900 1999	I		A
SU	SURLARI	RUMANIA	44 41	26 15	1943 1999		SU	A
SV	SVERDLOVSK	USSR	56 50	60 38	1900 1931	I	VD	
SW	SWIDER	POLAND	52 7	21 15	1914 1999	M		
SY	SYOWA BASE	JAPAN (ANTARCTICA)	-69 2	39 36	0 1963			
SZ	SLUTZK	USSR	59 41	30 29	1878 1941		VV	
SZF	STETTIN-ZABELSDORF	GERMANY	53 27	14 34	1852 1901			
TA	TAMANRASSET	FRANCE (ALGERIA)	22 48	5 32	1930 1956	I		
TAM	TAMALE	GHANA	9 24	-0 -0	0 0			A
TB	TACUBAYA	MEXICO	19 24	-99 12	1889 1902		TE	
TC	TENERIFE	SPAIN (CANARY IS.)	28 29	-16 17	1959 1999			A
TE	TEOLOYUCAN	MEXICO	19 45	-99 11	1914 1999	M	TE	
TF	TIBILISI (TIFLIS)	USSR	41 43	44 48	1844 1905		DT	
TG	TOUNGOO	BURMA	18 56	96 27	1905 1923			
TH	THULE	DENMARK (GREENLAND)	77 29	-69 10	1947 1959	M		
TI	TEHERAN	IRAN	35 41	51 25	1958 1999			
TK	TASHKENT	USSR	41 20	69 18	1883 1935	I	KE	
TL	TOLEDO	SPAIN	39 53	-4 3	1934 1999	I		A
TM	TOMSK	USSR	56 28	84 56	0 0			
TN	TANANARIVE	FRANCE (MALAGASY RP)	-18 55	47 33	1890 1999	M		
TNT	TORONTO	CANADA	43 39	-79 23	1841 1899		AG	
TO	TOOLANGI	AUSTRALIA	-37 32	145 28	1919 1999		TO	A
TOK	TOKIO	JAPAN	35 41	139 45	1857 1916		KA	
TOR	TORTOSA	SPAIN	40 49	-0 30	1905 1938	I	EB	
TOU	TOULOUSE	FRANCE	43 37	1 28	1900 1905			
TOY	TOYCHARA	JAPAN	46 58	142 45	1932 1940	I	SA	
TP	TAIPEI (TAIHOKU)	FORMOSA	25 2	121 31	1919 1999	I		
TR	TROMSO	NORWAY	69 40	18 57	1929 1999	M		
TRE	TREVANDRUM	INDIA	8 31	77 0	1854 1869		TV	
TS	TSINGTAO	CHINA	36 4	120 19	1907 1936	I		
TT	TATUOCA	BRAZIL	-1 12	-48 31	1933 1999	I		
TU	TUCSON	USA (ARIZONA)	32 15	-110 50	1909 1999	I		A

Table II (C) Con't.
MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
TV	TRIVANDRUM	8 29	76 57	1957 1999		TV	
TW	TRELEW	-43 15	-65 19	1957 1999			
TX	TIXIE BAY	71 35	129 0	1944 1959	I		
TY	TIHANY-NAGYCENK	46 54	17 54	1955 1959		TY	
TYN	TOYCHARA NEW	46 57	142 45	1941 1944		SA	
UC	UCCLE (BRUSSELS)	50 48	4 22	1891 1941	M	DB	
LT	UTRECHT	52 5	5 7	1891 1898		WI	
VA	VASSOURAS	-22 54	-43 39	1915 1999		VA	
VD	VYSSOKAYA-DUBRAVA	56 44	61 4	1929 1999		VD	A
VF	VIENNA-AUHOF	48 12	16 14	1929 1950	M	VK	
VI	VICTORIA	48 31	-123 25	1956 1999			A
VJ	VAL JOYEUX	48 49	2 1	1901 1936		CF	
VK	VIENNA-KOBENZL	48 16	16 19	1954 1999		VK	
VL	VALENTIA	51 56	-10 15	1899 1999		VL	A
VO	VOSTOK	-78 27	106 52	0 0			
VQ	VIEQUES	18 9	-65 27	1903 1924		SJ	
VR	VCROSHILOV	43 41	132 10	1949 1958		VR	
VV	VOIKOVO	59 57	30 42	1946 1999		VV	
VW	VIENNA-WIEN	48 15	16 22	1874 1898		VK	
VY	VYKHODNOI	73 14	56 44	1949 1955	I	VY	
WA	WATHEROO	-30 19	115 52	1919 1958		GN	
WE	CAPE UELEN	66 10	-169 50	1933 1959	M		
WI	WITTEVEEN	52 49	6 40	1938 1999	M	WI	
WK	WILKES	-66 15	110 21	1957 1999	I		A
WL	VLADIVOSTOK	43 47	132 10	0 1938		GJ	
WN	WINGST	53 45	9 4	1938 1999	M	WN	
WS	WILHELMSHAVEN	53 32	8 9	1884 1932	I	WN	
WT	WASHINGTON	38 55	-77 3	1841 1894	I		
WU	WUSTROW	54 21	12 24	1891 1903	I		
YA	YAKUTSK	62 1	129 40	1931 1999	I		A
ZA	ZAIMISHCHE	55 50	48 51	1909 1999		ZA	
ZI	ZIKAWEI	31 12	121 26	1900 1908		ZS	
ZN	ZINSEN	37 29	126 38	1918 1941	M		
ZS	ZO SE	31 6	121 11	1908 1949	M	ZS	
ZY	ZUY	52 28	104 2	1914 1999	I	ZY	A

Table III
MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
LITTLE AMERICA I	USA (ANTARCTICA)	-78 35	-163 48	1929 1929		LA5	
LITTLE AMERICA II	USA (ANTARCTICA)	-78 34	-163 56	1934 1934		LA5	
LITTLE AMERICA IV	USA (ANTARCTICA)	-78 26	-163 55	1947 1947		LA5	
LITTLE AMERICA V	USA (ANTARCTICA)	-78 11	-162 12	1957 1958		LA5	
SCOTT BASE	NEW ZEALAND(ANTARCT)	-77 51	166 48	1957 1958			
DISCOVERY BAY	GR.BRIT.(ANTARCTIC)	-77 50	166 45	1902 1903			
HALLEY BAY	GR.BRIT.(ANTARCTICA)	-75 31	-26 37	1957 1958			
CAP DENISON	AUSTRALIA(ANTARCTIC)	-67 0	142 40	1912 1912			
DUMONT D'URVILLE	FRANCE (ANTARCTICA)	-66 40	140 0	1957 1958			
GAUSS-STATION	GERMANY(ANTARCTIC)	-66 2	89 38	1902 1903			
ORANGE BAY	FRANCE(S.AMERICA)	-55 31	-68 5	1882 1883			
SUDGEORGIEN	GERMANY(S.ATLANTIC)	-54 31	-36 1	1882 1883			
MAGALLANES	(CHILE)	-53 12	-70 54	1932 1933			
AUCKLAND ISLAND	NEW ZEALAND(S.PAC.)	-50 52	166 5	1875 1875			
KERGUELEN	(INDIAN OCEAN)	-49 25	69 53	1902 1903			
HOBARTON	(AUSTRALIA)	-42 54	147 30	1841 1848			
SYDNEY	AUSTRALIA	-33 53	151 11	1892 1892			
ST HELENA	GR.BRIT(S.ATLANTIC)	-16 0	-5 42	1841 1849			
DARWIN	AUSTRALIA	-12 20	131 0	1957 1958			V
BUITENZORG	INDONESIA	-6 35	106 47	1928 1929		KV	
JARVIS ISLAND	USA (PACIFIC)	-0 23	-160 2	1957 1958			
MOGADISCIO	ITALIAN SOMALILAND	2 2	45 21	1932 1933			
FANNING ISLAND	USA (PACIFIC)	3 54	-159 23	1957 1958			
YALUIT	USA (PACIFIC)	5 55	169 39	1939 1941			
CHA'PA	POLAND (VIETNAM)	22 21	103 50	1957 1959			
HAVANA	CUBA	23 8	-82 21	1897 1898			
PATRICK	USA (FLORIDA)	28 12	-80 37	1954 1956			
SIMLA	(INDIA)	31 6	77 12	1841 0			
KANOYA	JAPAN	31 25	130 53	1957 1959			
SIMODA	(JAPAN)	34 42	138 54	1932 1933			
MOUNT WEATHER	(USA)	39 4	-77 53	1907 1908			
PIC-DU-MIDI	(FRANCE)	42 54	0 6	0 0			
BELGRADE	(YUGOSLAVIA)	44 48	20 12	0 0			
MAILAND	(ITALY)	45 30	9 12	1836 0			
BESANCON	(FRANCE)	47 12	6 0	0 0			
OBERJAGERHOF	GERMANY	48 31	7 46	1906 1906			
KORNTHAL	(GERMANY)	48 50	9 8	1900 1900			
JANOW	USSR	49 54	23 44	1930 1934		LW	
APFELBACHBRUCKE	(GERMANY)	49 57	8 35	1910 1911			
NIKOLAI	(POLAND)	50 6	18 54	0 0			
DONNERSBERG	(CZECHOSLOVAKIA)	50 33	13 56	1933 1934			
TELLNITZ	(CZECHOSLOVAKIA)	50 44	13 58	1933 1934			
AACHEN	(GERMANY)	50 48	6 6	0 0			
WARSAW	POLAND	52 13	21 2	1893 1893			
KONIGSBERG	(RUSSIA)	54 48	20 30	1929 0			
CHRISTIANIA	(NORWAY)	60 0	10 42	1841 0			
PETERSBJRG	(RUSSIA)	60 0	30 18	1829 1877			
NENNORTALIK	(GREENLAND)	60 8	-45 16	1883 1885			
ANCHORAGE	USA (ALASKA)	61 10	-149 55	1957 1958			V
YELLOW KNIFE	CANADA	62 24	-114 24	1957 1958			V
FORT RAE	GR.BRITAIN(CANADA)	62 39	-115 44	1882 1883			
FORT RAE	GR.BRITAIN(CANADA)	62 50	-116 4	1932 1933			
CHESTERFIELD INLET	CANADA	63 20	-90 42	1932 1933			
HEALY	USA (ALASKA)	63 51	-148 58	1957 1958			
SEIMTCHANY	USSR	63 51	118 30	1935 1935			

Table III
MAGNETIC OBSERVATORIES

OBSERVATORY	COUNTRY	LAT	LONG	YEARS	C	REL	CAT
BIG DELTA	USA (ALASKA)	63 60	-145 44	1957 1958			
GODTHAAB	DENMARK(N.ATLANTIC)	64 11	-51 43	1882 1883			
BAFFIN-INSEL	(CANADA)	64 24	-77 52	1921 1922			
COLLEGE-FAIRBANKS	USA(ALASKA)	64 51	-147 50	1932 1933			
TASIUSAK	DENMARK(GREENLAND)	65 37	-37 33	1898 1899			
ANGMAGSSALIK	NETHERLANDS(GR.LAND)	65 37	-37 38	1932 1933			
DYRAFJORD	NORWAY(ICELAND)	66 15	-22 30	1902 1903			
KINGUAFJORD	GERMANY(DAVISSTRAIT)	66 36	-67 19	1882 1883			
PITLEKAJ	(USSR)	67 5	-173 23	1879 1879			
SODANKYLA	FINLAND	67 28	26 36	1882 1883			
KULTALA	FINLAND	68 30	26 46	1882 1883			
GJOA HAVN	NORWAY(USSR)	68 37	-95 53	1903 1905			
KING POINT	NORWAY	69 7	-138 8	1905 1905			
BODO	NORWAY	69 18	14 25	1932 1933			
PETSAMO	FINLAND	69 32	31 15	1932 1933			
BOSSEKOP	FRANCE(NORWAY)	69 58	23 15	1838 1839			
BOSSEKOP	NORWAY	69 58	23 15	1882 1883			
BOSSEKOP	NORWAY	69 58	23 15	1932 1933			
KAAFJORD	NORWAY	69 59	22 58	1902 1903			
SCORESBY SUND	DENMARK(GREENLAND)	70 28	-26 12	1891 1892			
SCORESBY SUND	DENMARK(GREENLAND)	70 29	-21 58	1932 1933			
JAN MAYEN	AUSTRIA(N.ATLANTIC)	70 59	-8 20	1932 1933			
JAN MAYEN	AUSTRIA(N.ATLANTIC)	71 0	-8 28	1882 1883			
CAP BARROW(PT)	USA(ALASKA)	71 18	-156 40	1881 1883			
KLEINE KARMAKUL	USSR	72 27	52 43	1882 1883			
SSAGASTYR	USSR	73 23	126 36	1882 1884			
BJORNOYA	NORWAY	74 29	19 14	1932 1933			
JEKMAN INSEL	(USSR)	76 26	95 8	1938 1939			
AXELOEN	NORWAY(SPITSBERGEN)	77 41	14 50	1902 1903			
SVEAGRUVAN	SWEDEN(SPITSBERGEN)	77 54	16 45	1932 1933			
CAP THORSEN	SWEDEN(SPITSBERGEN)	78 28	15 42	1882 1883			
REFUGE HARBOR	DENMARK(GREENLAND)	78 32	-72 23	1923 1924			
FORT CONGER	USA	81 44	-64 44	1881 1883			
TEPLITZ-BAI	(FRANZ JOS.LD)	81 48	57 59	1903 1905			

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