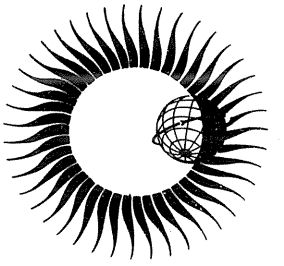
REPORT UAG - 49

WORLD DATA CENTER A
for
Solar-Terrestrial Physics



CATALOG OF STANDARD
GEOMAGNETIC VARIATION DATA



August 1975

WORLD DATA CENTER A

National Academy of Sciences
2101 Constitution Avenue, N. W.
Washington, D. C., U.S.A., 20418

World Data Center A consists of the Coordination Office and seven Subcenters:

World Data Center A
Coordination Office
National Academy of Sciences
2101 Constitution Avenue, N. W.
Washington, D. C., U.S.A. 20418
[Telephone: (202) 389-6478]

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World Data Center A:
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Washington, D. C., U.S.A. 20390
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Solid-Earth Geophysics (Seismology, Tsunamis, Gravimetry, Earth Tides, Recent Movements of the Earth's Crust, Magnetic Measurements, Paleomagnetism and Archeomagnetism, Volcanology, Geothermics):

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[Telephone: (303) 499-1000, Ext. 6521]

Notes:

(1) World Data Centers conduct international exchange of geophysical observations in accordance with the principles set forth by the International Council of Scientific Unions. WDC-A is established in the United States under the auspices of the National Academy of Sciences.

(2) Communications regarding data interchange matters in general and World Data Center A as a whole should be addressed to: World Data Center A, Coordination Office (see address above).

(3) Inquiries and communications concerning data in specific disciplines should be addressed to the appropriate subcenter listed above.

WORLD DATA CENTER A
for
Solar-Terrestrial Physics

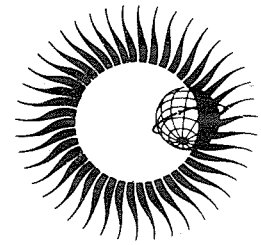


REPORT UAG - 49

CATALOG OF
STANDARD GEOMAGNETIC VARIATION DATA

August 1975

Published by World Data Center A for
Solar-Terrestrial Physics, NOAA, Boulder, Colorado
and printed by
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE
Asheville, North Carolina, USA 28801



SUBSCRIPTION PRICE: $25.20 a year; $12.00 additional for foreign mailing; single copy price varies.* Checks and money orders should be made payable to the Department of Commerce, NOAA. Remittance and correspondence regarding subscriptions should be sent to the National Climatic Center, Federal Building, Asheville, NC 28801, Attn: Publications.

*PRICE THIS ISSUE $1.85

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PREFACE

World Data Centers conduct international exchange of geophysical observations in accordance with the principles set forth by the International Council of Scientific Unions (ICSU). They were established in 1957 by the International IGY Committee (CSAGI) as part of the fundamental international planning for the International Geophysical Year program to collect data from the numerous and widespread IGY observational programs and to make such data readily accessible to interested scientists and scholars for an indefinite period of time. WDC-A was established in the U.S.A.; WDC-B, in the U.S.S.R.; and WDC-C, in Western Europe, Australia and Japan. This new system for exchanging geophysical data was found to be very effective, and the operations of the World Data Centers were extended by ICSU on a continuing basis to other international programs; the WDC's were under the supervision of the Comité International de Géophysique (CIG) for the period 1960 to 1967 and are now supervised by the ICSU Panel on World Data Centers.

The current plans for continued international exchange of solar-terrestrial data through the World Data Centers are set forth in the *Third Consolidated Guide to International Data Exchange through the World Data Centres*, issued by the ICSU Panel on World Data Centres, December 1973. These plans are broadly similar to those adopted under ICSU auspices for the IGY and IQSY.

Functions and Responsibilities of WDC's

The World Data Centers collect data and publications for the following disciplines: Glaciology; Meteorology; Oceanography; Rockets and Satellites; Solar-Terrestrial Physics disciplines (Solar and Interplanetary Phenomena, Ionospheric Phenomena, Flare Associated Events, Geomagnetic Phenomena, Aurora, Cosmic Rays, Airglow); Solid-Earth Geophysics disciplines (Seismology, Tsunamis, Marine Geology and Geophysics, Gravimetry, Earth Tides, Recent Movements of the Earth's Crust, Rotation of the Earth, Magnetic Measurements, Paleomagnetism and Archeomagnetism, Volcanology, Geothermics). In planning for the various scientific programs, decisions on data exchange were made by the scientific community through the international scientific unions and committees. In each discipline the specialists themselves determined the nature and form of data exchange, based on their needs as research workers. Thus the type and amount of data in the WDC's differ from discipline to discipline.

The objects of establishing several World Data Centers for collecting observational data were: (1) to insure against loss of data by the catastrophic destruction of a single center, (2) to meet the geographical convenience of, and provide easy communication for, workers in different parts of the world. Each WDC is responsible for: (1) endeavoring to collect a complete set of data in the field or discipline for which it is responsible, (2) safekeeping of the incoming data, (3) correct copying and reproduction of data, maintaining adequate standards of clarity and durability, (4) supplying copies to other WDC's of data not received directly, (5) preparation of catalogues of all data in its charge, (6) making data in the WDC's available to the scientific community. The WDC's conduct their operation at no expense to ICSU or to the ICSU family of unions and committees.

World Data Center A

World Data Center A, for which the National Academy of Sciences through the Geophysics Research Board and its Committee on Data Interchange and Data Centers has over-all responsibility, consists of the WDC-A Coordination Office and seven subcenters at scientific institutions in various parts of the United States. The GRB periodically reviews the activities of WDC-A and has conducted several studies on the effectiveness of the WDC system. As a result of these reviews and studies some of the subcenters of WDC-A have been relocated so that they could more effectively serve the scientific community. The addresses of the WDC-A subcenters and Coordination Office are given inside the front cover. There are very close connections between WDC-A for Solar-Terrestrial Physics and WDC-A for Rockets and Satellites, which exchange solar-terrestrial geophysical data; if it is more convenient, data may be sent to one WDC-A subcenter through the other one.

The data received by WDC-A have been made available to the scientific community in various ways: (1) reports containing data and results of experiments have been compiled, published and widely distributed; (2) synoptic type data on cards, microfilm or tables are available for use at the subcenters and for loan to scientists; (3) copies of data and reports are provided upon request.

Catalogue of Data

All the data associated with the ground-based monitoring of geomagnetic phenomena by standard and rapid-run measurements, which have been received by WDC-A, are listed in this catalog. *This catalog supersedes all previous WDC-A catalogs for these data.*

World Data Center A Coordination Office
June 1975

I. Introduction

In this catalog we have attempted to consolidate, for the first time, all of the geomagnetic variation data from standard and rapid-run measurements known to exist at World Data Center A for Solar-Terrestrial Physics. These now include data for time periods prior to the IGY -- in fact, the earliest data set we reference is for Batavia, Indonesia, 1867. Other geomagnetic data exist for earlier time periods but they are not of the type that would be considered as variation data.

The geomagnetic variation data are held in the form of microfilm, magnetic tape, yearbooks and bulletins. They are in a variety of formats including magnetograms (normal, storm, and rapid-run), hourly values, 2.5 minute values, and various derived indices for individual observatories as well as for selected groupings of observatories. The data from about 300 observatories are referenced in this catalog, and Section III, page 2, presents the list of observatories along with their geographic and geomagnetic coordinates. The observatories known to be in operation in 1974 are shown on the foldout map on page 11. These include some for which there are no data yet in WDC-A archives.

A section on sample data formats is included on pages 13 to 24. The main body of the catalog, Section VII, beginning on page 26, displays the years and months for which we hold digital data, magnetograms, and K-indices for each observatory. The columns of this table are described on page 25.

Section VIII, page 118, presents the catalog of derived geomagnetic indices, both for individual observatories and for appropriate groupings of observatories. Finally are given information on principal magnetic storms, and a catalog of available sets of magnetograms which have been reduced to common scales for selected disturbed intervals.

These geomagnetic variation data are available to users without restriction, either at cost of preparation or of reproduction, or by data exchange agreements. The costs for furnishing data copies and of performing certain standard data analysis functions are shown below. Inquiries and requests for data should be addressed to World Data Center A for Solar-Terrestrial Physics, NOAA, Boulder, Colorado, 80302 USA.

While data copies are available by mail, working visits to the Data Center are strongly encouraged. Such visits enable the user to browse through the archives and to have access to all the facilities of the Center, and it is usually possible to minimize copying costs. Copying machines, microfilm readers and reader-printers, and calculators are available. Special arrangements can be made for the use of computers and digitizing equipment. There is no time limit on such visits and some scientists have come for a year or more, but since space is limited arrangements should be made in advance.

This catalog covers the data of the standard and rapid-run geomagnetic measurements, subdiscipline D.1 in the ICSU *Guide to International Data Exchange through the World Data Centres*, December 1973. The archives of the other geomagnetic variation subdisciplines; i.e., D.2 Magnetospheric Magnetic Pulsation Phenomena, D.3 Space Magnetism, D.4 Magnetospheric Particles, and D.5 Measurement of Magnetosphere by Whistler and VLF Emissions, will be covered in a later catalog.

II. Price List and Instructions for Ordering Data.

Price List:

35 mm film copies of microfilm archive	$ 4.40 per observatory-month 9.80 per observatory-year
Full-size (8½" x 24") electrostatic copy of magnetograms	
less than one observatory-month	0.80 per magnetogram
in units of observatory-months	12.80 per observatory-month
Half-size electrostatic copy of magnetograms	0.65 per magnetogram 8.00 per observatory-month
Electrostatic copies of data sheets	
Individual observatory indices	0.40 per observatory-month
Universal indices	0.40 per month
Magnetic hourly values (per component)	0.40 per observatory-month

Digital hourly values on magnetic tape	
If data in magnetic tape archive	*Price depends on data requested (See NOTE)
If new digitization or recomputation from 2.5 minute digitization is required	Price depends on data requested
Digitized magnetograms at 2.5 minute intervals, on magnetic tape	
If data in magnetic tape archive	*Price depends on data requested (See NOTE)
If new digitization	
3-components (by volume method)	$350.00 per station month
Single component (this method is used to produce sets of magnetograms reduced to common scales)	
From normal magnetograms	20.00 for 1st day per station 10.00 for each subsequent day per station
From rapid-run magnetograms (at 12.5, 8 or 4 second intervals)	13.50 per 2-hour record
Magnetograms replotted to reduce to common scales - single component	
Data provided on magnetic tape or graphs	20.00 for 1st day per station 10.00 for each subsequent day per station

*NOTE: Price depends on data requested -- based upon $40.00 per output tape prepared, plus $10.00 for each archive tape required to make the output tape, plus the cost for blank tape/s for output (minimum charge $50.00 plus blank tape).

THESE PRICES ARE SUBJECT TO CHANGE

Information for ordering data follows:

1. Each magnetogram contains the record of D, H and Z (or X, Y and Z) for a 24-hour period. This 24-hour period varies for different observatories. Please indicate UT date and hours required when ordering individual magnetograms.
2. The declination, horizontal intensity, and vertical intensity rapid-run magnetograms from U.S. observatories are recorded on separate records. Hence, the magnetograms should be ordered by component - D, H, or Z. For other observatories the single magnetogram contains all three elements.
3. Requests for data should be addressed to:
   World Data Center A for Solar-Terrestrial Physics
   NOAA
   Boulder, Colorado 80302, U.S.A.
4. There is a minimum charge of $10.00 per order.
5. Checks must be made payable in U.S. currency to *DEPARTMENT OF COMMERCE, NOAA* and mailed to the address shown above.
6. Most requests are filled within three weeks.

III. Lists of Observatories.

Five separate lists of geomagnetic observatories are presented in this section as described below. Lists 4 and 5 are the basic lists giving all observatories ordered alphabetically and by geomagnetic latitude, respectively.

For all stations the geographic coordinates were converted by an electronic computer program to give geomagnetic coordinates. These computations were performed using the mathematical model consisting of spherical harmonic coefficients, known as GSFC 12/66, updated to 1975. [Cain, J. C., S. J. Hendricks, R. A. Langel and W. V. Hudson, *A Proposed Model for the International Geomagnetic Reference Field-1965*, J. Geomagn. Geoelectr., 19, 335-355, 1967].

Included in these lists are the observatories shown in the D.1 discipline in Report UAG-38, *Master Station List for Solar-Terrestrial Physics Data at WDC-A for Solar-Terrestrial Physics*, as well as those which were opened and closed prior to the IGY. For the latter, list 3 presents the details for those observatories which were not included in Report UAG-38.

1. Alternate Name List. This gives other names by which an observatory may be known together with the name we have used in this catalog.

2. Replacement Observatories. This identifies situations where an observatory closed but a new observatory, opened nearby having a different name, thereby provided continued observations for that part of the Earth. Thus, for many purposes, the new observatory replaced the earlier one. In a few cases there are sequences of three observatories for one general locality.

3. Details for Observatories Not Included in Report UAG-38. This provides, in addition to the geographic and geomagnetic coordinates, the geomagnetic conjugate point's geographic coordinates, L-value, invariant latitude, geocentric dip and open-close dates for the observatories which were not included in Report UAG-38. All of these observatories closed prior to the beginning of the International Geophysical Year in July 1957.

4. Alphabetical Listing. This shows all observatories for which there are data entries in this catalog. This alphabetical listing is to facilitate cross-referencing with the catalog tables given in Sections VII, VIII, IX and XI.

5. Listing by Geomagnetic Latitude. This presents the same observatories as given in the alphabetical listing. For many purposes the geomagnetic latitude is used as the key search parameter when looking up the availability of geomagnetic data. The full details for these observatories are given in Report UAG-38. Since some observatories are known by other names in other disciplines, a few may be entered under a different name in UAG-38 and use must be made of the Alternate Name List when cross-referencing.

1. ALTERNATE NAME LIST

OTHER NAMES BY WHICH OBSERVATORY IS KNOWN	OBSERVATORY NAMES USED IN THIS CATALOG
Amundsen Scott	South Pole
Arctica I (NP-6)	North Pole 6
Arctica II (NP-7)	North Pole 7
Arctica (NP-8)	North Pole 8
Arctica (NP-10)	North Pole 10
Athens	Pendeli
Azores	San Miguel
Baudouin	Roi Baudouin
Centro Geoficiso	Havana
Churchill	Fort Churchill
Cuba	Havana
Dehra Dun	Sabhawala
Dikson	Dixon Island
Druzhnaya	Heiss Island
Dusheti	Tbilisi
Easter Island	Isla De Pascua
Fanning	Fanning Island
Genova	Monte Capellino
Goose Bay	Melville AFB
Gornotayezhnaya	Vladivostok
Hawaii	Honolulu
Kamchatka	Petropavlovsk
Karavia	Elizabethville
Kerguelen	Port-aux-Francais
Kinshasa-Binza	Binza
Krasnaya Pakhra	Moscow
Leopoldville	Binza
Luanda Belas	Luanda
Ny-Alesund	New Alesund
Patrony	Irkutsk
Pleshenitzi	Minsk
Point Barrow	Barrow
P. Stekolny	Magadan
Puerto Rico	San Juan
Puerto Rico	Vieques
Red Lake	Leningrad
Reykjavik	Leirvogur
Sanae	Sanae Station
Stepanovka	Odessa
Tortosa	Ebro
Uelen	Cape Wellen
Ussurisk	Vladivostok
Vannovskaya	Ashkhabad
V. Dubrovo	Sverdlovsk
Voyeykovo	Leningrad
Vysokaya	Sverdlovsk
Yangi-Bazar	Tashkent
Zaymishche	Kazan

2. REPLACEMENT OBSERVATORIES

MOST RECENT OBSERVATORY	EARLIER OBSERVATORIES
Alibag	*Colaba
Amberley	Christchurch
Castellaccio	Pola
Chambon-la-Foret	Val Joyeux
Dourbes	*Uccle
Dumont d'Urville	Terre Adelie
Elizabethville	*Karavia
Eskdalemuir	*Kew
Fredericksburg	Cheltenham
Gnangara	Watheroo
Hartland	Abinger, previously Greenwich
Hermanus	Cape Town
Heiss Island	Tikhaya Bay
Kakioka	Tokyo

MOST RECENT OBSERVATORY	EARLIER OBSERVATORIES
Misallat	Helwan
Muntinlupa	Antipulo, previously Manila
Niemegk	Seddin, previously Potsdam
Ottawa	Agincourt, previously Toronto
Plaisance	Mauritius
Roburent	Monte Capellino
Rude Skov	Copenhagen
Sabhawala	*Dehra Dun
Sanae	Norway Station
San Juan	Vieques
Tangerang	Kuyper, previously Batavia
Tihany	Budakeszi
Witteveen	De Bilt

* WDC-A for Solar-Terrestrial Physics can provide only annual means for these earlier stations.

3. DETAILS FOR OBSERVATORIES NOT INCLUDED IN REPORT UAG-38

STATION NAME	OBS PROG	GEOGRAPHIC LAT	GEOGRAPHIC LONG EAST	GEOMAGNETIC LAT	GEOMAGNETIC LONG EAST	GEOMAG CONJUGATE GEOGRAPHIC LAT	GEOMAG CONJUGATE GEOGRAPHIC LONG EAST	L-VALUE	INVAR LAT	GEO-CENTRIC DIP	OPEN	-	CLOSE DATES
ABINGER	D01	51.18	359.61	53.91	83.72	-44.18	23.72	2.37	49.45	66.60	1924	-	4/1957
AMBARNAYA	D01	65.80	33.80	61.07	124.44	-53.68	67.80	4.42	61.60	76.24			
AMDERMA	D01	69.46	61.41	60.70	147.18	-52.29	87.37	5.27	64.18	79.92	11/1973	-	
ANTIPOLO	D01	14.60	121.17	3.32	190.31	1.74	121.00	.94	-1.00	14.32	1/1911	-	12/1940
ARCHANGELSK	D01	64.60	40.50	58.89	128.72	-51.24	69.60	4.02	60.09	75.96			
ARTI	D01	56.40	58.60	48.45	138.94	-40.43	73.70	2.54	51.18	72.49	(1/1972)		
BALDWIN	D01	38.78	264.83	48.90	329.05	-57.97	240.68	2.36	49.43	68.34	1/1901	-	9/1909
BANGKOK	D01	13.72	100.57	2.41	170.32	4.80	100.46	.92	-1.00	10.59	(1966)	-	NK
BATAVIA	D01	-6.18	106.83	-17.63	176.14	23.90	107.09	1.00	-1.00	-32.48	(7/1867)	---	(12/1940)
BELIY ISLAND	D01	73.30	70.00	63.54	155.22	-54.52	95.86	6.90	67.62	82.51	11/1973	-	
BOCHUM	D01	51.49	7.23	52.69	91.44	-42.53	29.10	2.32	48.95	66.89	(1/1900)	-	(12/1934)
BRISBANE	D01	-27.53	152.92	-35.68	227.39	43.77	160.83	1.51	35.59	-57.67	(1957)	-	(1964)
BUDAKESZI	D01	47.52	18.90	46.60	100.73	-34.31	32.93	1.93	43.97	64.02	(1/1949)	-	(12/1954)
CAPE KAMENNIY	D01	68.50	73.60	58.60	155.00	-50.11	93.01	4.85	63.00	80.78	11/1973	-	
CAPE SCHMIDT	D01	68.92	180.52	62.87	227.82	-52.84	150.47	5.19	63.96	76.90			
CAPE TOWN	D01	-33.95	18.47	-32.78	80.39	45.46	2.04	1.83	42.39	-65.39	(1/1932)	-	(12/1940)
CHESTERFIELD INL	D01	63.34	269.29	73.54	325.00	-77.95	191.96	13.88	74.43	85.70	9/1932	-	8/1933
CHRISTCHURCH	D01	-43.53	172.62	-47.94	253.02	52.84	197.63	2.39	49.73	-68.63	(1/1902)	-	(12/1939)
COLLMBERG	D01	51.32	13.00	51.38	96.90	-40.99	32.91	2.26	48.26	66.91	(1954)	-	(1967)
COPENHAGEN	D01	55.69	12.58	55.59	98.95	-47.46	38.89	2.74	52.80	70.02	(4/1892)	-	(12/1900)
DE BILT	D01	52.10	5.18	53.67	89.77	-44.03	28.57	2.40	49.78	67.33	(1/1903)	-	(12/1938)
DUMONT DURVILLE	D01	-66.66	140.01	-75.56	231.45	80.58	222.79	36.57	80.48	-89.65	4/1957	-	
FORT RAE	D01	62.80	243.90	69.08	291.47	-66.75	183.65	8.30	69.68	82.02	8/1932	-	8/1933
GELANIA	D01	76.95	58.58	67.12	157.16	-57.63	98.62	9.44	71.01	83.78	11/1973	-	
GJOAHAVN	D01	68.63	264.09	77.83	309.66	-76.20	169.21	26.10	78.71	87.92	(11/1903)	-	(5/1905)
GLENLEA	D01	49.63	97.13	38.41	168.96	-31.19	101.13	1.85	42.61	69.16	5/1973	-	
GREENWICH	D01	51.48	8.00	54.12	84.28	-44.58	24.40	2.39	49.71	66.83	(1/1900)	-	(5/1926)
HEARD ISLAND	D01	-53.03	73.37	-61.44	130.55	66.91	42.39	4.63	62.30	-69.65	(3/1952)	-	(10/1954)
IVIGTUT	D01	61.20	311.85	71.45	33.41	-79.90	16.49	7.43	68.48	77.82	(6/1943)	-	(7/1945)
KALININGRAD	D01	54.60	20.20	53.08	105.34	-44.32	42.69	2.54	51.10	69.51			
KHABAROVSK	D01	48.48	135.07	37.87	200.41	-30.21	132.92	1.71	40.17	63.35			
KZIL-AGACH	D01	43.85	78.73	33.85	152.77	-25.75	83.95	1.54	36.37	62.90	3/1974	-	
LA MADDALENA	D01	41.23	9.40	42.44	89.13	-26.03	20.01	1.56	36.79	57.39	(1958)	-	(1963)
LUCKY LAKE	D01	51.15	252.74	59.52	310.73	-63.34	212.35	4.01	60.03	76.11	4/1969		
MAGALLANES	D01	-53.15	289.10	-41.68	358.85	25.41	289.84	1.64	38.75	-49.18	(1/1933)	-	(8/1933)
MANILA	D01	14.58	120.98	3.29	190.13	1.76	120.81	.94	-1.00	14.28	(7/1900)	-	(12/1904)
MAURITIUS	D01	-20.09	57.55	-26.69	122.94	37.14	52.81	1.33	29.97	-54.92	(1/1916)	---	(12/1950)
MOGADISCIO	D01	2.03	45.36	-2.79	114.76	16.31	44.97	.97	-1.00	-17.67	8/1932	-	7/1933)
NANTES	D01	47.25	358.45	50.39	80.61	-37.92	18.08	2.05	45.71	63.28	(1951)	-	(1959)
NEW ALESUND	D01	78.92	11.93	75.35	131.32	-66.36	88.40	16.31	75.66	81.93	(1/1974)	-	
NIDA	D01	66.60	73.00	56.80	153.78	-48.48	91.26	4.30	61.17	79.77			
NORILSK	D01	69.20	88.00	58.31	164.99	-49.68	101.34	4.99	63.42	82.64			
NOVOSIBIRSK	D01	55.03	82.90	44.59	158.08	-36.92	91.40	2.33	49.05	73.43			
NUMTO	D01	63.50	71.40	53.92	151.43	-45.89	87.64	3.59	58.12	77.94			
OGYALLA	D01	47.87	18.19	47.08	100.21	-34.91	32.73	1.96	44.37	64.29	(1/1908	---	(12/1917)
PETSAMO	D01	69.54	31.25	64.86	126.06	-57.33	72.20	5.77	65.41	77.93	8/1932	-	8/1933)
POLA	D01	44.86	13.85	45.05	94.83	-30.87	26.32	1.79	41.57	61.34	(1/1892)	---	(12/1922)
POTSDAM	D01	52.38	13.06	52.38	97.51	-42.62	34.43	2.36	49.35	67.71	(1/1890)	-	(12/1907)
ROSTOV ON DON	D01	47.22	39.68	42.45	119.59	-32.29	50.80	1.83	42.30	64.74			
RUDE SKOV	D01	55.85	12.45	55.76	98.92	-47.71	39.05	2.76	52.98	70.12	1/1927	-	
RYBACHY	D01	69.90	31.90	65.07	126.92	-57.47	73.04	5.92	65.72	78.12			
SCORESBYSUND	D01	70.48	338.04	75.60	82.21	-72.57	62.41	10.65	72.16	79.04	12/1932	-	8/1933)
SEDDIN	D01	52.28	13.01	52.29	97.41	-42.48	34.26	2.35	49.25	67.64	(1/1908)	-	(12/1916)
SEYKHA	D01	70.10	72.50	60.25	155.00	-51.58	93.91	5.42	64.56	81.40	11/1973	-	
SOGRA	D01	62.80	46.25	56.32	132.04	-48.53	70.96	3.58	58.08	75.36			
SOUTH GEORGIA	D01	-54.28	323.52	-44.29	26.36	32.80	304.77	1.89	43.27	-52.51			
TAMBEY	D01	71.50	71.80	61.66	155.28	-52.93	94.22	6.00	65.90	81.94	11/1973	-	
TEVRIZ	D01	57.50	72.40	47.94	150.31	-40.08	84.73	2.63	51.95	74.36			
TIKHAYA BAY	D01	80.30	52.80	71.46	153.38	-61.54	99.16	13.97	74.48	83.90	(1955)	-	1958
TOKYO	D01	35.75	139.72	25.57	206.03	-18.61	137.87	1.23	25.66	48.61	(1911)	-	(1912)
TUNGUSKA	D01	61.40	90.00	50.47	164.71	-42.57	99.19	3.14	55.62	78.43			
UKHTA	D01	60.50	74.00	50.74	152.41	-42.84	87.50	3.04	55.03	76.45			
UMBA	D01	66.70	34.50	61.78	125.74	-54.29	69.19	4.67	62.45	76.71			
VAL JOYEUX	D01	48.82	2.02	51.19	84.95	-39.52	22.19	2.13	46.80	64.65	(1/1923)	-	(12/1936)
VIEQUES	D01	18.15	294.55	29.59	4.39	-44.96	298.84	1.40	32.45	48.31	4/1903	-	10/1924
ZI-KA-WEI	D01	31.21	121.44	19.92	189.91	-14.21	121.24	1.12	19.40	45.10	(1/1889)	-	(12/1922)
ZO-SE	D01	31.10	121.19	19.81	189.69	-14.11	121.00	1.12	19.24	44.96	(1/1947)	-	(12/1949)

4. ALPHABETICAL LISTING

STATION NAME	GEOGRAPHIC LAT	GEOGRAPHIC LONG EAST	GEOMAGNETIC LAT	GEOMAGNETIC LONG EAST
ABERYSTWYTH	52.43	355.93	55.82	80.67
ABINGER	51.18	359.61	53.91	83.72
ABISKO	68.36	18.82	65.94	115.28
ACCRA	5.63	359.83	9.56	70.74
ADAK	51.87	183.35	47.28	240.39
ADDIS ABABA	9.03	38.77	5.30	109.61
ADELAIDE	-34.60	138.40	-44.53	212.67
AGINCOURT	43.78	280.73	55.04	347.62
AHMEDABAD	23.02	72.60	13.82	144.37
ALERT	82.50	297.50	85.87	167.29
ALIBAG	18.63	72.87	9.43	144.06
ALMA ATA	43.25	76.92	33.42	151.11
ALMERIA	36.85	357.53	40.54	75.75
ALOUSHTA	44.68	34.42	40.93	113.99
AMBARNAYA	65.80	33.80	61.07	124.44
AMBERLEY	-43.15	172.72	-47.56	252.98
AMDERMA	69.46	61.41	60.70	147.18
ANCHORAGE	61.20	210.10	61.01	258.60
ANDREWS AFB	38.20	282.63	49.54	350.42
ANNAMALAINAGAR	11.40	79.68	1.51	149.81
ANTIPOLO	14.60	121.17	3.32	190.31
APATITY	67.55	33.33	62.74	125.61
APIA	-13.80	188.22	-15.96	260.69
ARCHANGELSK	64.60	40.50	58.89	128.72
ARCTICA II(NP-8)	77.32	188.30	71.24	221.84
ARCTICA II (NP-7)	85.82	268.13	82.23	191.85
ARCTICA I (NP-6)	83.60	9.50	78.00	148.24
ARCTICA (NP-10)	76.62	166.38	68.06	210.84
ARCTICA (NP-12)	79.08	187.22	72.48	217.76
ARCTIC ICE FLO	83.52	193.05	76.13	207.82
AREQUIPA	-16.47	288.52	-5.00	358.07
ARGENTINE IS	-65.20	295.70	-53.76	3.67
ARTI	56.43	28.57	53.24	113.80
ASHKHABAD	37.95	58.10	30.47	133.52
ASO	32.88	131.02	22.06	198.49
AVERROES	37.99	14.02	38.39	92.55
BAGUIO	16.42	120.60	5.12	189.69
BAKER LAKE	64.33	263.97	73.81	315.98
BALDWIN	38.78	264.83	48.90	329.05
BANGKOK	13.72	100.57	2.41	170.32
BANGUI	4.43	18.57	4.73	88.96
BARENTSBURG	78.63	16.38	74.50	132.63
BARROW	71.30	203.25	68.64	241.55
BARTER ISLAND	70.13	216.33	70.07	253.58
BATAVIA	-6.18	106.83	-17.63	176.14
BAUDOUIN	-70.43	24.30	-68.09	63.61
BEAR ISLAND	74.50	19.20	71.02	124.79
BELIY ISLAND	73.30	70.00	63.54	155.22
BELOIT	39.48	261.87	49.27	325.43
BELSK	51.83	20.80	50.34	104.45
BIG DELTA	64.00	214.27	64.36	259.79
BINZA	-4.38	15.26	-3.25	83.97
BOCHUM	51.49	7.23	52.69	91.44
BORGA	-72.97	356.20	-65.93	40.87
BOROK	58.03	38.97	52.95	123.53
BOULDER	40.13	254.77	49.03	317.04
BRISBANE	-27.53	152.92	-35.68	227.39
BUDAKESZI	47.52	18.90	46.60	100.73
BUDKOV	49.07	14.02	49.04	96.79
BUNIA	1.53	30.18	-.41	99.76
BURLINGTON	39.28	257.73	48.58	320.67
BYRD STATION	-80.00	240.50	-70.55	336.44
CAMBRIDGE BAY	69.10	255.00	76.73	295.46
CAMPBELL IS	-52.50	169.20	-57.19	253.66
CANBERRA	-35.30	149.00	-43.90	224.80
CAPE CHELYUSKIN	77.72	104.28	66.28	176.70
CAPE EVANS	-77.63	205.42	-72.48	314.83
CAPE HALLETT	-72.32	170.22	-74.63	278.52
CAPE KAMENNIY	68.50	73.60	58.60	155.00
CAPE SCHMIDT	68.92	180.52	62.87	227.82
CAPE TOWN	-33.95	18.47	-32.78	80.39
CAPE WELLEN	66.17	190.17	61.89	237.51
CAPRI	40.55	14.22	40.82	93.60
CARROLLTON	39.37	266.53	49.65	330.94
CASEY	-66.17	110.32	-77.64	179.60
CASPER	42.85	253.70	51.56	315.02
CASTELLACCIO	44.43	8.93	45.61	89.88
CASTLE ROCK	37.23	237.87	43.55	299.14
CEBU	10.30	123.90	-.87	193.15
CHAMBON-LA-FORET	48.02	2.27	50.37	84.82
CHARCOT	-69.38	139.02	-78.18	235.10
CHA-PA	22.35	103.83	10.95	173.69
CHELTENHAM	38.70	283.20	50.06	351.08
CHESTERFIELD INLET	63.34	269.29	73.54	325.00
CHICLAYO	-6.80	280.20	4.49	349.71
CHILBOLTON	51.14	358.17	54.15	82.24
CHIMBOTE	-9.10	281.40	2.23	350.98
CHRISTCHURCH	-43.53	172.62	-47.94	253.02
CHURCHILL	58.80	265.90	68.74	323.46
COIMBRA	40.22	351.58	44.94	70.72
COLLEGE	64.87	212.17	64.73	256.99
COLLMBERG	51.32	13.00	51.38	96.90
COLORADO SPRINGS	38.50	255.51	47.52	318.31
COPENHAGEN	55.69	12.58	55.59	98.95
CUBA	22.97	277.85	34.13	345.87
CUZCO	-13.53	288.03	-2.07	357.57
DALLAS	32.98	263.25	42.98	328.29
DAR ES SALAAM	-6.51	39.18	-10.04	107.06
DAVAO	7.08	125.58	-4.00	194.97
DAVIS	-68.60	78.00	-76.82	120.66
DE BILT	52.10	5.18	53.67	89.77
DIXON	73.55	80.57	63.01	161.84
DOMBAS	62.07	9.12	62.17	100.48
DOURBES	50.10	4.60	51.89	88.15
DUMONT DURVILLE	-66.66	140.01	-75.56	231.45
DURHAM	43.10	289.17	54.57	358.29
EASTER ISLAND	-27.17	250.58	-18.17	323.04
EAST ANGLIA	52.63	1.30	54.95	86.22
EIELSON AFB	64.67	212.92	64.70	257.87
EIGHTS	-75.23	282.83	-63.82	355.56
ELIZABETHVILLE	-11.63	27.42	-12.76	94.41
ESKDALEMUIR	55.32	356.80	58.37	83.34
ESKIMO POINT	61.10	265.93	70.97	321.89
ESPANOLA	35.82	253.93	44.67	317.17
FANNING	3.90	200.62	3.84	269.31
FORT MCMURRAY	56.70	248.60	64.20	302.54
FORT RAE	62.80	243.90	69.08	291.47
FORT SMITH	58.00	246.00	64.99	298.47
FORT YUKON	66.57	214.70	66.72	257.27
FREDERICKSBURG	38.20	282.63	49.54	350.42
FREETOWN	8.46	346.79	14.68	58.24
FUQUENE	5.47	286.27	16.91	355.57
FURSTENFELDBRUCK	48.17	11.28	48.73	93.75
GELANIA	76.95	68.58	67.12	157.16
GENOVA	44.55	8.95	45.72	89.95
GIBILMANNA	37.98	14.02	38.38	92.55
GILGIT	35.93	74.30	26.43	147.69
GILLAM	56.85	265.58	66.80	324.16
GIRARDVILLE	49.00	287.40	60.45	355.84
GJOAHAVN	68.63	264.09	77.83	309.66
GLENLEA	49.63	97.13	38.41	168.96
GNANGARA	-31.78	115.95	-43.19	186.32
GODHAVN	69.23	306.48	79.78	33.33
GONZALES VIDELA	-64.82	297.15	-53.40	4.72
GOTTINGEN	51.53	9.97	52.18	94.11
GRAHAMSTOWN	-33.28	26.48	-33.71	88.33
GREAT WHALE	55.27	282.22	66.57	348.05
GREENWICH	51.48	.00	54.12	84.28
GROCKA	44.63	20.77	43.46	101.34
GUAM	13.58	144.87	4.04	213.35
HACHIJO	33.13	139.80	22.97	206.41
HALLEY BAY	-75.50	333.40	-65.83	24.58
HARTLAND	50.98	355.52	54.52	79.44
HEALY	63.85	211.03	63.60	257.03
HEARD ISLAND	-53.03	73.37	-61.44	130.55
HEISS IS	80.62	58.05	71.29	156.23
HELWAN	29.87	31.33	27.11	106.87
HEL	54.60	18.82	53.35	104.08
HERCHMER	57.40	265.90	67.37	324.29
HERMANUS	-34.42	19.23	-33.38	80.99
HOLLANDIA	-2.57	140.52	-12.48	210.76
HONG KONG	22.20	114.20	10.75	183.46
HONOLULU	21.32	202.00	21.17	266.99
HUANCAYO	-12.05	284.67	-.64	354.27
HURBANOVO	47.87	18.18	47.08	100.20
HYDERABAD	17.42	78.55	7.61	149.35
IBADAN	7.43	3.90	10.55	75.12
IRKUTSK	52.17	104.45	40.75	175.08
IVALO	68.60	27.48	64.64	122.24
IVIGTUT	61.20	311.85	71.45	33.41
JARVIS ISLAND	-.38	199.97	-.48	269.53
JULIANEHAAB	60.72	313.97	70.75	36.15
KAKIOKA	36.23	140.18	26.09	206.38
KALININGRAD	54.60	20.20	53.08	105.34
KANDILLI	41.07	29.07	38.43	107.87
KANOYA	31.42	130.88	20.59	198.48

continued

Alphabetical Listing (cont'd)

STATION NAME	GEOGRAPHIC LAT	GEOGRAPHIC LONG EAST	GEOMAGNETIC LAT	GEOMAGNETIC LONG EAST
KANOZAN	35.25	139.97	25.10	206.31
KAP TOBIN	70.32	338.03	75.47	81.82
KARAGANDA	49.82	73.08	40.31	149.04
KAZAN	55.83	48.85	49.27	130.73
KEM	65.00	34.40	60.23	124.27
KERGUELEN	-49.35	70.20	-57.39	128.54
KHABAROVSK	48.48	135.07	37.87	200.41
KIEV	50.72	30.30	47.50	112.56
KINSHASA-BINZA	-4.27	15.37	-3.16	84.10
KIRUNA	67.83	20.42	65.19	115.93
KODAIKANAL	10.23	77.47	.57	147.53
KONTAGORA	10.40	5.45	13.17	77.25
KORETS	50.60	61.07	42.47	139.16
KOROR	7.33	134.50	-3.17	203.80
KOTZEBUE	66.88	197.40	63.77	242.52
KSARA	33.82	35.88	30.11	112.16
KUYPER	-6.03	106.73	-17.48	176.04
KWAJALEIN	9.05	167.20	2.65	235.69
KZIL-AGACH	43.85	78.73	33.85	152.77
LAS ACACIAS	-35.00	302.32	-23.74	10.54
LAZAREV	69.97	12.90	68.40	112.74
LA MADDALENA	41.23	9.40	42.44	89.13
LA QUIACA	-22.10	294.40	-10.65	3.65
LEADVILLE	39.28	253.72	48.05	316.07
LEIRVOGUR	64.18	338.30	70.12	71.51
LENINGRAD	59.95	30.70	56.17	117.70
LERWICK	60.13	358.82	62.43	89.00
LITTLE AMERICA	-78.18	197.80	-73.98	312.14
LOGRONO	42.45	357.50	45.96	77.65
LORING AFB	46.95	292.12	58.42	2.07
LOURENCO MARQUE	-25.92	32.58	-27.76	96.30
LOVOZERO	67.97	35.02	62.85	127.27
LOVO	59.35	17.83	57.98	106.16
LUANDA	-8.92	13.17	-7.28	81.02
LUCKY LAKE	51.15	252.74	59.52	310.73
LUNPING	25.00	121.17	13.71	189.92
LVOV	49.90	23.75	47.94	106.26
LWIRO	-2.25	28.80	-3.85	97.66
L AQUILA	42.38	13.32	42.77	93.37
MACQUARIE IS	-54.50	158.95	-60.99	243.59
MAGADAN	60.12	151.02	50.75	210.75
MAGALLANES	-53.15	289.10	-41.68	358.85
MAJURO	7.08	171.38	1.41	240.11
MANHAY	50.30	5.68	51.87	89.31
MANILA	14.58	120.98	3.29	190.13
MARION IS	-46.85	37.87	-49.07	94.79
MAURITIUS	-20.09	57.55	-26.69	122.94
MAWSON	-67.60	62.88	-73.16	103.52
MCMATH-HULBERT	42.67	276.70	53.73	342.72
MCMURDO	-77.85	166.70	-78.92	294.48
MEANOOK	54.62	246.67	61.89	301.62
MELVILLE AFB	53.28	299.47	64.56	12.49
MEMAMBETSU	43.90	144.20	34.07	208.83
MIDWAY	28.22	182.63	24.18	246.80
MINNEAPOLIS	44.93	93.60	33.88	165.62
MINSK	54.10	26.52	51.42	110.76
MIRNY	-66.55	93.02	-77.05	147.71
MISALLAT	29.52	30.90	26.85	106.37
MIYAZU	35.32	135.11	24.77	201.95
MIZUSAWA	39.01	141.08	28.93	206.83
MOCA	3.35	8.67	5.63	79.03
MOGADISCIO	2.03	45.36	-2.79	114.76
MOSCOW	55.48	37.32	50.80	120.87
MOULD BAY	76.30	240.60	79.25	256.41
MT WILSON	34.14	241.97	41.22	304.42
MUNTINLUPA	14.37	121.02	3.08	190.17
MURCHISON BAY	80.05	18.25	75.16	137.61
MURMANSK	68.25	33.08	63.41	126.09
M BOUR	14.40	343.02	21.16	55.48
NAGYCENK	47.63	16.72	47.13	98.71
NAIROBI	-1.28	36.83	-4.46	105.75
NANTES	47.25	358.45	50.39	80.61
NARSSARSSUAQ	61.20	314.60	71.14	37.42
NEWPORT	48.26	243.01	55.15	300.76
NEW ALESUND	78.92	11.93	75.35	131.32
NIDA	66.60	73.00	56.80	153.78
NIEMEGK	52.07	12.68	52.16	96.99
NITSANIM	31.73	34.60	28.31	110.43
NORILSK	69.20	88.00	58.31	164.99
NORTHWAY	62.97	218.05	64.18	264.32
NORWAY HOUSE	53.98	262.17	63.58	321.11
NORWAY STATION	-70.50	357.47	-63.87	44.22
NOVOKAZALINSK	45.77	62.12	37.60	138.82
NOVOLAZARREVSKA	-70.77	11.82	-66.27	53.98
NOVOSIBIRSK	55.03	82.90	44.59	158.08
NUMTO	63.50	71.40	53.92	151.43
NURMIJARVI	60.52	24.65	57.79	112.95
OASIS	-66.30	100.72	-77.46	161.61
ODESSA	46.78	30.88	43.61	111.51
OGASAWARA	27.15	142.30	17.26	209.38
OGYALLA	47.87	18.19	47.08	100.21
OKINAWA	24.75	125.33	13.63	193.81
ONAGAWA	38.43	141.47	28.39	207.25
ORCADAS	-61.00	315.22	-50.31	18.49
OTTAWA	45.40	284.40	56.79	352.13
PALMYRA ISLAND	5.88	197.82	5.22	266.17
PANAGYURISHTE	42.52	24.18	40.77	103.78
PARAMARIBO	5.82	304.78	16.93	14.83
PELLY BAY	68.53	270.49	78.64	320.45
PENDELI	38.03	23.52	36.55	101.69
PETROPAVLOVSK	53.10	158.63	44.74	218.99
PETSAMO	69.54	31.25	64.86	126.06
PILAR	-31.67	296.12	-20.25	5.07
PIONERSKAYA	-69.73	95.50	-80.36	147.56
PLAISANCE	-20.43	57.67	-27.04	123.00
PLATEAU	-79.25	40.50	-77.29	52.82
POLA	44.86	13.85	45.05	94.83
PORT MORESBY	-9.40	147.15	-18.52	218.36
POTSDAM	52.38	13.06	52.38	97.51
PRICE	39.62	249.22	47.73	310.88
PRUHONICE	49.98	14.55	49.80	97.72
PUERTO RICO	18.12	293.85	29.57	3.63
QUETTA	30.18	66.95	21.60	140.14
RACIBORZ	50.00	18.20	49.11	101.16
RANKIN INLET	62.80	267.67	72.83	323.03
RESOLUTE BAY	74.70	265.10	83.07	290.20
ROBURENT	44.30	7.88	45.70	88.80
ROSTOV ON DON	47.22	39.68	42.45	119.59
RUDE SKOV	55.85	12.45	55.76	98.92
RYBACHY	69.90	31.90	65.07	126.92
SABHAWALA	30.33	77.80	20.52	150.11
SANAE	-70.30	357.65	-63.71	44.53
SAN FERNANDO	36.47	353.80	40.88	71.79
SAN MIGUEL	37.77	334.35	45.54	51.39
SASKATOON	52.10	253.40	60.54	311.06
SCORESBYSUND	70.48	338.04	75.60	82.21
SCOTT BASE	-77.85	166.78	-78.91	294.53
SDR STROMFJORD	67.02	309.28	77.36	35.01
SEDDIN	52.28	13.01	52.29	97.41
SEOUL	37.58	127.05	26.52	194.59
SEYKHA	70.10	72.50	60.25	155.00
SHATSK	53.98	41.85	48.60	124.06
SHEPHERD BAY	68.75	266.25	78.26	312.88
SHILLONG	25.55	91.88	14.63	162.65
SIDMOUTH	50.67	356.75	53.99	80.54
SIMFEROPOL	44.83	34.07	41.14	113.72
SIMOSATO	33.57	135.93	23.09	202.86
SIPLE	-76.00	276.00	-64.73	351.83
SITKA	57.07	224.67	60.09	275.86
SODANKYLA	67.37	26.63	63.69	120.31
SOGRA	62.80	46.25	56.32	132.04
SOUTH GEORGIA	-54.28	323.52	-44.29	26.36
SOUTH POLE	-90.00	.00	-78.53	.00
SOUTH UIST	57.20	352.86	60.90	80.61
SPITSBERGEN	78.50	15.10	74.60	131.63
SREDNIKAN	62.43	152.32	53.14	210.94
STONYHURST	53.85	357.53	56.84	83.14
ST JOHNS	47.60	307.30	58.44	21.82
SUKKERTOPPEN	65.42	307.10	76.05	29.48
SURLARI	44.68	26.25	42.45	106.48
SVERDLOVSK	56.73	61.07	48.46	141.05
SWIDER	52.12	21.25	50.53	105.00
SYOWA BASE	-69.00	39.58	-69.75	78.15
TAHITI	-17.55	210.38	-15.25	283.17
TALARA	-4.63	278.70	6.60	348.13
TAMANRASSET	22.80	5.53	25.29	80.02
TAMBEY	71.50	71.80	61.66	155.28
TANANARIVE	-18.92	47.55	-23.78	112.94
TANGERANG	-6.17	106.63	-17.62	175.93
TASHKENT	41.33	69.62	32.30	144.43
TATUOCA	-1.20	311.48	9.51	21.25
TBILISI	42.08	44.70	36.61	122.48
TEHRAN	35.73	51.38	29.31	126.94
TENERIFE	28.48	343.72	34.90	59.09
TEOLOYUCAN	19.75	260.82	29.59	327.56
TERRE ADELIE	-66.67	140.02	-75.57	231.48

continued

STATION NAME	GEOGRAPHIC LAT	GEOGRAPHIC LONG EAST	GEOMAGNETIC LAT	GEOMAGNETIC LONG EAST
TEVRIZ	57.50	72.40	47.94	150.31
THOMPSON	55.00	263.00	64.68	321.69
THULE/CAMP TUTO	76.55	291.17	88.02	4.31
THULE/QANAQ	77.48	290.83	88.95	3.56
TIHANY	46.90	17.90	46.20	99.52
TIKHAYA BAY	80.30	52.80	71.46	153.38
TIRUCHIRAPALLI	10.80	78.70	1.01	148.79
TIXIE BAY	71.58	129.00	60.48	191.72
TOKYO	35.75	139.72	25.57	206.03
TOLEDO	39.88	355.95	43.78	75.13
TOMSK	56.47	84.93	45.88	159.95
TOOLANGI	-37.53	145.47	-46.58	221.36
TORTOSA	40.82	.50	43.80	80.11
TRELEW	-43.25	294.68	-31.80	3.56
TRIVANDRUM	8.48	76.95	-1.11	146.83
TROMSO	69.67	18.95	67.05	117.02
TSUMEB	-19.22	17.70	-18.26	83.28
TUCSON	32.25	249.17	40.48	312.72
TULSA	35.92	264.22	46.00	328.89
TUNGUSKA	61.40	90.00	50.47	164.71
UKHTA	60.50	74.00	50.74	152.41
ULAN BATOR	47.85	106.75	36.40	176.85
UMBA	66.70	34.50	61.78	125.74
UPPSALA	59.80	17.60	58.44	106.28
USSURISK	43.68	132.17	32.90	198.52
VALENTIA	51.93	349.75	56.54	73.92
VAL JOYEUX	48.82	2.02	51.19	84.95
VASSOURAS	-22.40	316.35	-12.00	24.31
VICTORIA	48.52	236.58	54.27	293.51
VIEQUES	18.15	294.55	29.59	4.39
VOSTOK	-78.45	106.87	-89.27	94.25
WARNKENHACEN	54.00	11.07	54.30	96.52
WATHEROO	-30.30	115.90	-41.71	186.21
WESTON	42.38	288.68	53.85	357.68
WIEN-KOBENZL	48.27	16.32	47.82	98.61
WILKES	-66.25	110.58	-77.72	180.10
WINGST	53.75	9.07	54.46	94.47
WINNIPEG	49.63	262.87	59.40	323.79
WITTEVEEN	52.82	6.67	54.06	91.62
YAKUTSK	62.02	129.72	51.02	194.19
YAUCA	-15.53	285.33	-4.10	354.98
YELLOWKNIFE	62.43	245.60	69.05	293.89
YUZHNO SAKHALINSK	46.95	142.72	36.96	207.07
ZARIA	11.15	7.65	13.47	79.58
ZI-KA-WEI	31.21	121.44	19.92	189.91
ZO-SE	31.10	121.19	19.81	189.69

5. LISTING BY GEOMAGNETIC LATITUDE

STATION NAME	GEOGRAPHIC LAT	GEOGRAPHIC LONG EAST	GEOMAGNETIC LAT	GEOMAGNETIC LONG EAST
THULE/QANAQ	77.48	290.83	88.95	3.56
THULE/CAMP TUTO	76.55	291.17	88.02	4.31
ALERT	82.50	297.50	85.87	167.29
RESOLUTE BAY	74.70	265.10	83.07	290.20
ARCTICA II (NP-7)	85.82	268.13	82.23	191.85
GODHAVN	69.23	306.48	79.78	33.33
MOULD BAY	76.30	240.60	79.25	256.41
PELLY BAY	68.53	270.49	78.64	320.45
SHEPHERD BAY	68.75	266.25	78.26	312.88
ARCTICA I (NP-6)	83.60	9.50	78.00	148.24
GJOAHAVN	68.63	264.09	77.83	309.66
SDR STROMFJORD	67.02	309.28	77.36	35.01
CAMBRIDGE BAY	69.10	255.00	76.73	295.46
ARCTIC ICE FLO	83.52	193.05	76.13	207.82
SUKKERTOPPEN	65.42	307.10	76.05	29.48
SCORESBYSUND	70.48	338.04	75.60	82.21
KAP TOBIN	70.32	338.03	75.47	81.82
NEW ALESUND	78.92	11.93	75.35	131.32
MURCHISON BAY	80.05	18.25	75.16	137.61
SPITSBERGEN	78.50	15.10	74.60	131.63
BARENTSBURG	78.63	16.38	74.50	132.63
BAKER LAKE	64.33	263.97	73.81	315.98
CHESTERFIELD INLET	63.34	269.29	73.54	325.00
RANKIN INLET	62.80	267.67	72.83	323.03
ARCTICA (NP-12)	79.08	187.22	72.48	217.76
TIKHAYA BAY	80.30	52.80	71.46	153.38
IVIGTUT	61.20	311.85	71.45	33.41
HEISS IS	80.62	58.05	71.29	156.23
ARCTICA II(NP-8)	77.32	188.30	71.24	221.84
NARSSARSSUAQ	61.20	314.60	71.14	37.42
BEAR ISLAND	74.50	19.20	71.02	124.79
ESKIMO POINT	61.10	265.93	70.97	321.89
JULIANEHAAB	60.72	313.97	70.75	36.15
LEIRVOGUR	64.18	338.30	70.12	71.51
BARTER ISLAND	70.13	216.33	70.07	253.58
FORT RAE	62.80	243.90	69.08	291.47
YELLOWKNIFE	62.43	245.60	69.05	293.89
CHURCHILL	58.80	265.90	68.74	323.46
BARROW	71.30	203.25	68.64	241.55
LAZAREV	69.97	12.90	68.40	112.74
ARCTICA (NP-10)	76.62	166.38	68.06	210.84
HERCHMER	57.40	265.90	67.37	324.29
GELANIA	76.95	68.58	67.12	157.16
TROMSO	69.67	18.95	67.05	117.02
GILLAM	56.85	265.58	66.80	324.16
FORT YUKON	66.57	214.70	66.72	257.27
GREAT WHALE	55.27	282.22	66.57	348.05
CAPE CHELYUSKIN	77.72	104.28	66.28	176.70
ABISKO	68.36	18.82	65.94	115.28
KIRUNA	67.83	20.42	65.19	115.93
RYBACHY	69.90	31.90	65.07	126.92
FORT SMITH	58.00	246.00	64.99	298.47
PETSAMO	69.54	31.25	64.86	126.06
COLLEGE	64.87	212.17	64.73	256.99
EIELSON AFB	64.67	212.92	64.70	257.87
THOMPSON	55.00	263.00	64.68	321.69
IVALO	68.60	27.48	64.64	122.24
MELVILLE AFB	53.28	299.47	64.56	12.49
BIG DELTA	64.00	214.27	64.36	259.79
FORT MCMURRAY	56.70	248.60	64.20	302.54
NORTHWAY	62.97	218.05	64.18	264.32
KOTZEBUE	66.88	197.40	63.77	242.52
SODANKYLA	67.37	26.63	63.69	120.31
HEALY	63.85	211.03	63.60	257.03
NORWAY HOUSE	53.98	262.17	63.58	321.11
BELIY ISLAND	73.30	70.00	63.54	155.22
MURMANSK	68.25	33.08	63.41	126.09
DIXON	73.55	80.57	63.01	161.84
CAPE SCHMIDT	68.92	180.52	62.87	227.82
LOVOZERO	67.97	35.02	62.85	127.27
APATITY	67.55	33.33	62.74	125.61
LERWICK	60.13	358.82	62.43	89.00
DOMBAS	62.07	9.12	62.17	100.48
MEANOOK	54.62	246.67	61.89	301.62
CAPE WELLEN	66.17	190.17	61.89	237.51
UMBA	66.70	34.50	61.78	125.74
TAMBEY	71.50	71.80	61.66	155.28
AMBARNAYA	69.80	33.80	61.07	124.44
ANCHORAGE	61.20	210.10	61.01	258.60
SOUTH UIST	57.20	352.86	60.90	80.61
AMDERMA	69.46	61.41	60.70	147.18
SASKATOON	52.10	253.40	60.54	311.06
TIXIE BAY	71.58	129.00	60.48	191.72
GIRARDVILLE	49.00	287.40	60.45	355.84
SEYKHA	70.10	72.50	60.25	155.00
KEM	65.00	34.40	60.23	124.27
SITKA	57.07	224.67	60.09	275.86
LUCKY LAKE	51.15	252.74	59.52	310.73
WINNIPEG	49.63	262.87	59.40	323.79
ARCHANGELSK	64.60	40.50	58.89	128.72
CAPE KAMENNIY	68.50	73.60	58.60	155.00
ST JOHNS	47.60	307.30	58.44	21.82
UPPSALA	59.80	17.60	58.44	106.28
LORING AFB	46.95	292.12	58.42	2.07
ESKDALEMUIR	55.32	356.80	58.37	83.34
NORILSK	69.20	88.00	58.31	164.99
LOVO	59.35	17.83	57.98	106.16
NURMIJARVI	60.52	24.65	57.79	112.95
STONYHURST	53.85	357.53	56.84	83.14
NIDA	66.60	73.00	56.80	153.78

continued

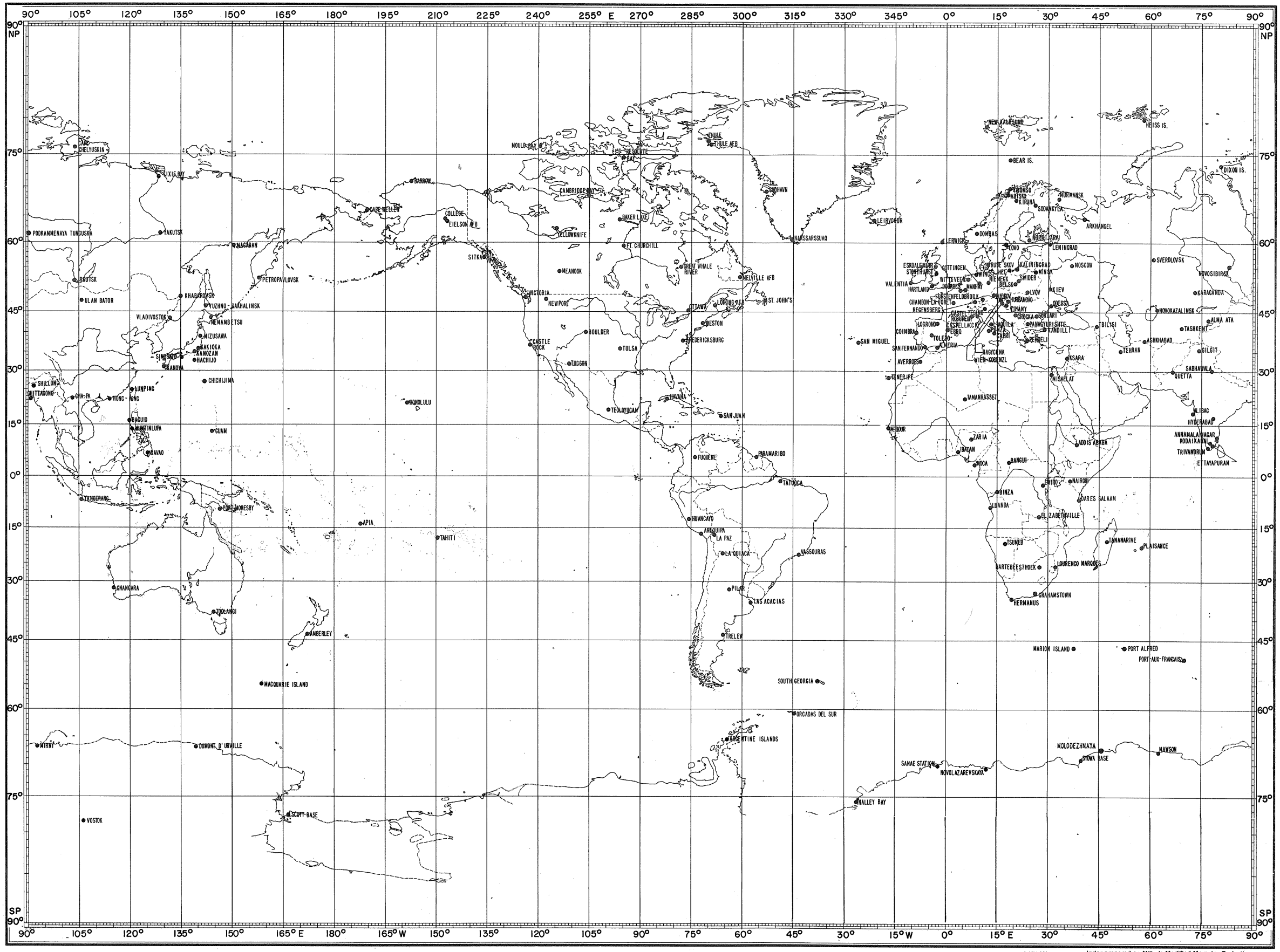
Listing by Geomagnetic Latitude (cont'd)

STATION NAME	GEOGRAPHIC LAT	GEOGRAPHIC LONG EAST	GEOMAGNETIC LAT	GEOMAGNETIC LONG EAST
OTTAWA	45.40	284.40	56.79	352.13
VALENTIA	51.93	349.75	56.54	73.92
SOGRA	62.80	46.25	56.32	132.04
LENINGRAD	59.95	30.70	56.17	117.70
ABERYSTWYTH	52.43	355.93	55.82	80.67
RUDE SKOV	55.85	12.45	55.76	98.92
COPENHAGEN	55.69	12.58	55.59	98.95
NEWPORT	48.26	243.01	55.15	300.76
AGINCOURT	43.78	280.73	55.04	347.62
EAST ANGLIA	52.63	1.30	54.95	86.22
DURHAM	43.10	289.17	54.57	358.29
HARTLAND	50.98	355.52	54.52	79.44
WINGST	53.75	9.07	54.46	94.47
WARNKENHAGEN	54.00	11.07	54.30	96.52
VICTORIA	48.52	236.58	54.27	293.51
CHILBOLTON	51.14	358.17	54.15	82.24
GREENWICH	51.48	.00	54.12	84.28
WITTEVEEN	52.82	6.67	54.06	91.62
SIDMOUTH	50.67	356.75	53.99	80.54
NUMTO	63.50	71.40	53.92	151.43
ABINGER	51.18	359.61	53.91	83.72
WESTON	42.38	288.68	53.85	357.68
MCMATH-HULBERT	42.67	276.70	53.73	342.72
DE BILT	52.10	5.18	53.67	89.77
HEL	54.60	18.82	53.35	104.08
ARTI	56.43	28.57	53.24	113.80
SREDNIKAN	62.43	152.32	53.14	210.94
KALININGRAD	54.60	20.20	53.08	105.34
BOROK	58.03	38.97	52.95	123.53
BOCHUM	51.49	7.23	52.69	91.44
POTSDAM	52.38	13.06	52.38	97.51
SEDDIN	52.28	13.01	52.29	97.41
GOTTINGEN	51.53	9.97	52.18	94.11
NIEMEGK	52.07	12.68	52.16	96.99
DOURBES	50.10	4.60	51.89	88.15
MANHAY	50.30	5.68	51.87	89.31
CASPER	42.85	253.70	51.56	315.02
MINSK	54.10	26.52	51.42	110.76
COLLMBERG	51.32	13.00	51.38	96.90
VAL JOYEUX	48.82	2.02	51.19	84.95
YAKUTSK	62.02	129.72	51.02	194.19
MOSCOW	55.48	37.32	50.80	120.87
MAGADAN	60.12	151.02	50.75	210.75
UKHTA	60.50	74.00	50.74	152.41
SWIDER	52.12	21.25	50.53	105.00
TUNGUSKA	61.40	90.00	50.47	164.71
NANTES	47.25	358.45	50.39	80.61
CHAMBON-LA-FORET	48.02	2.27	50.37	84.82
BELSK	51.83	20.80	50.34	104.45
CHELTENHAM	38.70	283.20	50.06	351.08
PRUHONICE	49.98	14.55	49.80	97.72
CARROLLTON	39.37	266.53	49.65	330.94
ANDREWS AFB	38.20	282.63	49.54	350.42
FREDERICKSBURG	38.20	282.63	49.54	350.42
BELOIT	39.48	261.87	49.27	325.43
KAZAN	55.83	48.85	49.27	130.73
RACIBORZ	50.00	18.20	49.11	101.16
BUDKOV	49.07	14.02	49.04	96.79
BOULDER	40.13	254.77	49.03	317.04
BALDWIN	38.78	264.83	48.90	329.05
FURSTENFELDBRUCK	48.17	11.28	48.73	93.75
SHATSK	53.98	41.85	48.60	124.06
BURLINGTON	39.28	257.73	48.58	320.67
SVERDLOVSK	56.73	61.07	48.46	141.05
LEADVILLE	39.28	253.72	48.05	316.07
LVOV	49.90	23.75	47.94	106.26
TEVRIZ	57.50	72.40	47.94	150.31
WIEN-KOBENZL	48.27	16.32	47.82	98.61
PRICE	39.62	249.22	47.73	310.88
COLORADO SPRINGS	38.50	255.51	47.52	318.31
KIEV	50.72	30.30	47.50	112.56
ADAK	51.87	183.35	47.28	240.39
NAGYCENK	47.63	16.72	47.13	98.71
HURBANOVO	47.87	18.18	47.08	100.20
OGYALLA	47.87	18.19	47.08	100.21
BUDAKESZI	47.52	18.90	46.60	100.73
TIHANY	46.90	17.90	46.20	99.52
TULSA	35.92	264.22	46.00	328.89
LOGRONO	42.45	357.50	45.96	77.65
TOMSK	56.47	84.93	45.88	159.95
GENOVA	44.55	8.95	45.72	89.95
ROBURENT	44.30	7.88	45.70	88.80
CASTELLACCIO	44.43	8.93	45.61	89.88
SAN MIGUEL	37.77	334.35	45.54	51.39
POLA	44.86	13.85	45.05	94.83
COIMBRA	40.22	351.58	44.94	70.72
PETROPAVLOVSK	53.10	158.63	44.74	218.99
ESPANOLA	35.82	253.93	44.67	317.17
NOVOSIBIRSK	55.03	82.90	44.59	158.08
TORTOSA	40.82	.50	43.80	80.11
TOLEDO	39.88	355.95	43.78	75.13
ODESSA	46.78	30.88	43.61	111.51
CASTLE ROCK	37.23	237.87	43.55	299.14
GROCKA	44.63	20.77	43.46	101.34
DALLAS	32.98	263.25	42.98	328.29
L AQUILA	42.38	13.32	42.77	93.37
KORETS	50.60	61.07	42.47	139.16
SURLARI	44.68	26.25	42.45	106.48
ROSTOV ON DON	47.22	39.68	42.45	119.59
LA MADDALENA	41.23	9.40	42.44	89.13
MT WILSON	34.14	241.97	41.22	304.42
SIMFEROPOL	44.83	34.07	41.14	113.72
ALOUSHTA	44.68	34.42	40.93	113.99
SAN FERNANDO	36.47	353.80	40.88	71.79
CAPRI	40.55	14.22	40.82	93.60
PANAGYURISHTE	42.52	24.18	40.77	103.78
IRKUTSK	52.17	104.45	40.75	175.08
ALMERIA	36.85	357.53	40.54	75.75
TUCSON	32.25	249.17	40.48	312.72
KARAGANDA	49.82	73.08	40.31	149.04
KANDILLI	41.07	29.07	38.43	107.87
GLENLEA	49.63	97.13	38.41	168.96
AVERROES	37.99	14.02	38.39	92.55
GIBILMANNA	37.98	14.02	38.38	92.55
KHABAROVSK	48.48	135.07	37.87	200.41
NOVOKAZALINSK	45.77	62.12	37.60	138.82
YUZHNO SAKHALINSK	46.95	142.72	36.96	207.07
TBILISI	42.08	44.70	36.61	122.48
PENDELI	38.03	23.52	36.55	101.69
ULAN BATOR	47.85	106.75	36.40	176.85
TENERIFE	28.48	343.72	34.90	59.09
CUBA	22.97	277.85	34.13	345.87
MEMAMBETSU	43.90	144.20	34.07	208.83
MINNEAPOLIS	44.93	93.60	33.88	165.62
KZIL-AGACH	43.85	78.73	33.85	152.77
ALMA ATA	43.25	76.92	33.42	151.11
USSURISK	43.68	132.17	32.90	198.52
TASHKENT	41.33	69.62	32.30	144.43
ASHKHABAD	37.95	58.10	30.47	133.52
KSARA	33.82	35.88	30.11	112.16
TEOLOYUCAN	19.75	260.82	29.59	327.56
VIEQUES	18.15	294.55	29.59	4.39
PUERTO RICO	18.12	293.85	29.57	3.63
TEHRAN	35.73	51.38	29.31	126.94
MIZUSAWA	39.01	141.08	28.93	206.83
ONAGAWA	38.43	141.47	28.39	207.25
NITSANIM	31.73	34.60	28.31	110.43
HELWAN	29.87	31.33	27.11	106.87
MISALLAT	29.52	30.90	26.85	106.37
SEOUL	37.58	127.05	26.52	194.59
GILGIT	35.93	74.30	26.43	147.69
KAKIOKA	36.23	140.18	26.09	206.38
TOKYO	35.75	139.72	25.57	206.03
TAMANRASSET	22.80	5.53	25.29	80.02
KANOZAN	35.25	139.97	25.10	206.31
MIYAZU	35.32	135.11	24.77	201.95
MIDWAY	28.22	182.63	24.18	246.80
SIMOSATO	33.57	135.93	23.09	202.86
HACHIJO	33.13	139.80	22.97	206.41
ASO	32.88	131.02	22.06	198.49
QUETTA	30.18	66.95	21.60	140.14
HONOLULU	21.32	202.00	21.17	266.99
M BOUR	14.40	343.02	21.16	55.48
KANOYA	31.42	130.88	20.59	198.48
SABHAWALA	30.33	77.80	20.52	150.11
ZI-KA-WEI	31.21	121.44	19.92	189.91
ZO-SE	31.10	121.19	19.81	189.69
OGASAWARA	27.15	142.30	17.26	209.38
PARAMARIBO	5.82	304.78	16.93	14.83
FUQUENE	5.47	286.27	16.91	355.57
FREETOWN	8.46	346.79	14.68	58.24
SHILLONG	25.55	91.88	14.63	162.65
AHMEDABAD	23.02	72.60	13.82	144.37
LUNPING	25.00	121.17	13.71	189.92
OKINAWA	24.75	125.33	13.63	193.81
ZARIA	11.15	7.65	13.47	79.58
KONTAGORA	10.40	5.45	13.17	77.25
CHA-PA	22.35	103.83	10.95	173.69

continued

Listing by Geomagnetic Latitude (cont'd)

STATION NAME	GEOGRAPHIC LAT	GEOGRAPHIC LONG EAST	GEOMAGNETIC LAT	GEOMAGNETIC LONG EAST
HONG KONG	22.20	114.20	10.75	183.46
IBADAN	7.43	3.90	10.55	75.12
ACCRA	5.63	359.83	9.56	70.74
TATUOCA	-1.20	311.48	9.51	21.25
ALIBAG	18.63	72.87	9.43	144.06
HYDERABAD	17.42	78.55	7.61	149.35
TALARA	-4.63	278.70	6.60	348.13
MOCA	3.35	8.67	5.63	79.03
ADDIS ABABA	9.03	38.77	5.30	109.61
PALMYRA ISLAND	5.88	197.82	5.22	266.17
BAGUIO	16.42	120.60	5.12	189.69
BANGUI	4.43	18.57	4.73	88.96
CHICLAYO	-6.80	280.20	4.49	349.71
GUAM	13.58	144.87	4.04	213.35
FANNING	3.90	200.62	3.84	269.31
ANTIPOLO	14.60	121.17	3.32	190.31
MANILA	14.58	120.98	3.29	190.13
MUNTINLUPA	14.37	121.02	3.08	190.17
KWAJALEIN	9.05	167.20	2.65	235.69
BANGKOK	13.72	100.57	2.41	170.32
CHIMBOTE	-9.10	281.40	2.23	350.98
ANNAMALAINAGAR	11.40	79.68	1.51	149.81
MAJURO	7.08	171.38	1.41	240.11
TIRUCHIRAPALLI	10.80	78.70	1.01	148.79
KODAIKANAL	10.23	77.47	.57	147.53
BUNIA	1.53	30.18	-.41	99.76
JARVIS ISLAND	-.38	199.97	-.48	269.53
HUANCAYO	-12.05	284.67	-.64	354.27
CEBU	10.30	123.90	-.67	193.15
TRIVANDRUM	8.48	76.95	-1.11	146.83
CUZCO	-13.53	288.03	-2.07	357.57
MOGADISCIO	2.03	45.36	-2.79	114.76
KINSHASA-BINZA	-4.27	15.37	-3.16	84.10
KOROR	7.33	134.50	-3.17	203.80
BINZA	-4.38	15.26	-3.25	83.97
LWIRO	-2.25	28.80	-3.85	97.66
DAVAO	7.08	125.58	-4.00	194.97
YAUCA	-15.53	285.33	-4.10	354.98
NAIROBI	-1.28	36.83	-4.46	105.75
AREQUIPA	-16.47	288.52	-5.00	358.07
LUANDA	-8.92	13.17	-7.28	81.02
DAR ES SALAAM	-6.51	39.18	-10.04	107.06
LA QUIACA	-22.10	294.40	-10.65	3.65
VASSOURAS	-22.40	316.35	-12.00	24.31
HOLLANDIA	-2.57	140.52	-12.48	210.76
ELIZABETHVILLE	-11.63	27.42	-12.76	94.41
TAHITI	-17.55	210.38	-15.25	283.17
APIA	-13.80	188.22	-15.96	260.69
KUYPER	-6.03	106.73	-17.48	176.04
TANGERANG	-6.17	106.63	-17.62	175.93
BATAVIA	-6.18	106.83	-17.63	176.14
EASTER ISLAND	-27.17	250.58	-18.17	323.04
TSUMEB	-19.22	17.70	-18.26	83.28
PORT MORESBY	-9.40	147.15	-18.52	218.36
PILAR	-31.67	296.12	-20.25	5.07
LAS ACACIAS	-35.00	302.32	-23.74	10.54
TANANARIVE	-18.92	47.55	-23.78	112.94
MAURITIUS	-20.09	57.55	-26.69	122.94
PLAISANCE	-20.43	57.67	-27.04	123.00
LOURENCO MARQUE	-25.92	32.58	-27.76	96.30
TRELEW	-43.25	294.68	-31.80	3.56
CAPE TOWN	-33.95	18.47	-32.78	80.39
HERMANUS	-34.42	19.23	-33.38	80.99
GRAHAMSTOWN	-33.28	26.48	-33.71	88.33
BRISBANE	-27.53	152.92	-35.68	227.39
MAGALLANES	-53.15	289.10	-41.68	358.85
WATHEROO	-30.30	115.90	-41.71	186.21
GNANGARA	-31.78	115.95	-43.19	186.32
CANBERRA	-35.30	149.00	-43.90	224.80
SOUTH GEORGIA	-54.28	323.52	-44.29	26.36
ADELAIDE	-34.60	138.40	-44.53	212.67
TOOLANGI	-37.53	145.47	-46.58	221.36
AMBERLEY	-43.15	172.72	-47.56	252.98
CHRISTCHURCH	-43.53	172.62	-47.94	253.02
MARION IS	-46.85	37.87	-49.07	94.79
ORCADAS	-61.00	315.22	-50.31	18.49
GONZALES VIDELA	-64.82	297.15	-53.40	4.72
ARGENTINE IS	-65.20	295.70	-53.76	3.67
CAMPBELL IS	-52.50	169.20	-57.19	253.66
KERGUELEN	-49.35	70.20	-57.39	128.54
MACQUARIE IS	-54.50	158.95	-60.99	243.59
HEARD ISLAND	-53.03	73.37	-61.44	130.55
SANAE	-70.30	357.65	-63.71	44.53
EIGHTS	-75.23	282.83	-63.82	355.56
NORWAY STATION	-70.50	357.47	-63.87	44.22
SIPLE	-76.00	276.00	-64.73	351.83
HALLEY BAY	-75.50	333.40	-65.83	24.58
BORGA	-72.97	356.20	-65.93	40.87
NOVOLAZARREVSKA	-70.77	11.82	-66.27	53.98
BAUDOUIN	-70.43	24.30	-68.09	63.61
SYOWA BASE	-69.00	39.58	-69.75	78.15
BYRD STATION	-80.00	240.50	-70.55	336.44
CAPE EVANS	-77.63	205.42	-72.48	314.83
MAWSON	-67.60	62.88	-73.16	103.52
LITTLE AMERICA	-78.18	197.80	-73.98	312.14
CAPE HALLETT	-72.32	170.22	-74.63	278.52
DUMONT DURVILLE	-66.66	140.01	-75.56	231.45
TERRE ADELIE	-66.67	140.02	-75.57	231.48
DAVIS	-68.60	78.00	-76.82	120.66
MIRNY	-66.55	93.02	-77.05	147.71
PLATEAU	-79.25	40.50	-77.29	52.82
OASIS	-66.30	106.72	-77.46	161.61
CASEY	-66.17	110.32	-77.64	179.60
WILKES	-66.25	110.58	-77.72	180.10
CHARCOT	-69.36	139.02	-78.18	235.18
SOUTH POLE	-90.00	.00	-78.53	.00
SCOTT BASE	-77.85	166.78	-78.91	294.53
MCMURDO	-77.85	166.70	-78.92	294.48
PIONERSKAYA	-69.73	95.50	-80.36	147.56
VOSTOK	-78.45	106.87	-89.27	94.25



IV MAP OF MAGNETIC OBSERVATORIES IN OPERATION IN 1975

Index prepared on Miller's Modified Mercator Projection

V. Samples of Data

Samples of geomagnetic data described as follows are shown on the following pages:

1. Normal Magnetogram

   Analog records of D, H and Z (or X, Y and Z) at a chart speed of 20 millimeters per hour in most cases.

2. Storm Magnetogram

   Analog records of D, H and Z (or X, Y and Z) similar to normal magnetograms but much less sensitive.

3. Rapid-run Magnetogram

   Analog records of D, H or Z (or X, Y or Z) at chart speeds ranging from 180 to 360 millimeters per hour.

4. Table of Magnetic Hourly Values

   Mean hourly values of D, H and Z (or X, Y and Z) centered on the half-hour in almost all cases.

5. Table of Magnetic K-Indices

   Three-hourly, quasi-logarithmic measure of changes in intensity of the earth's magnetic field ranging from 0 for the least active to 9 for the most active periods.

6. Table of Magnetic Q-Indices

   Quarter-hourly indices from auroral zone observatories on 0 to 9 scale similar to K.

7. Computer Listing of Indices on Magnetic Tape

   A sample of a computer listing showing the geomagnetic indices Kp, Ap, Cp and C9, along with solar rotation number and day, sunspot number and 10 cm solar radio noise flux, from a tape compiled by the European Space Research Organization.

8. Common Scale Magnetograms of Geomagnetic Storms

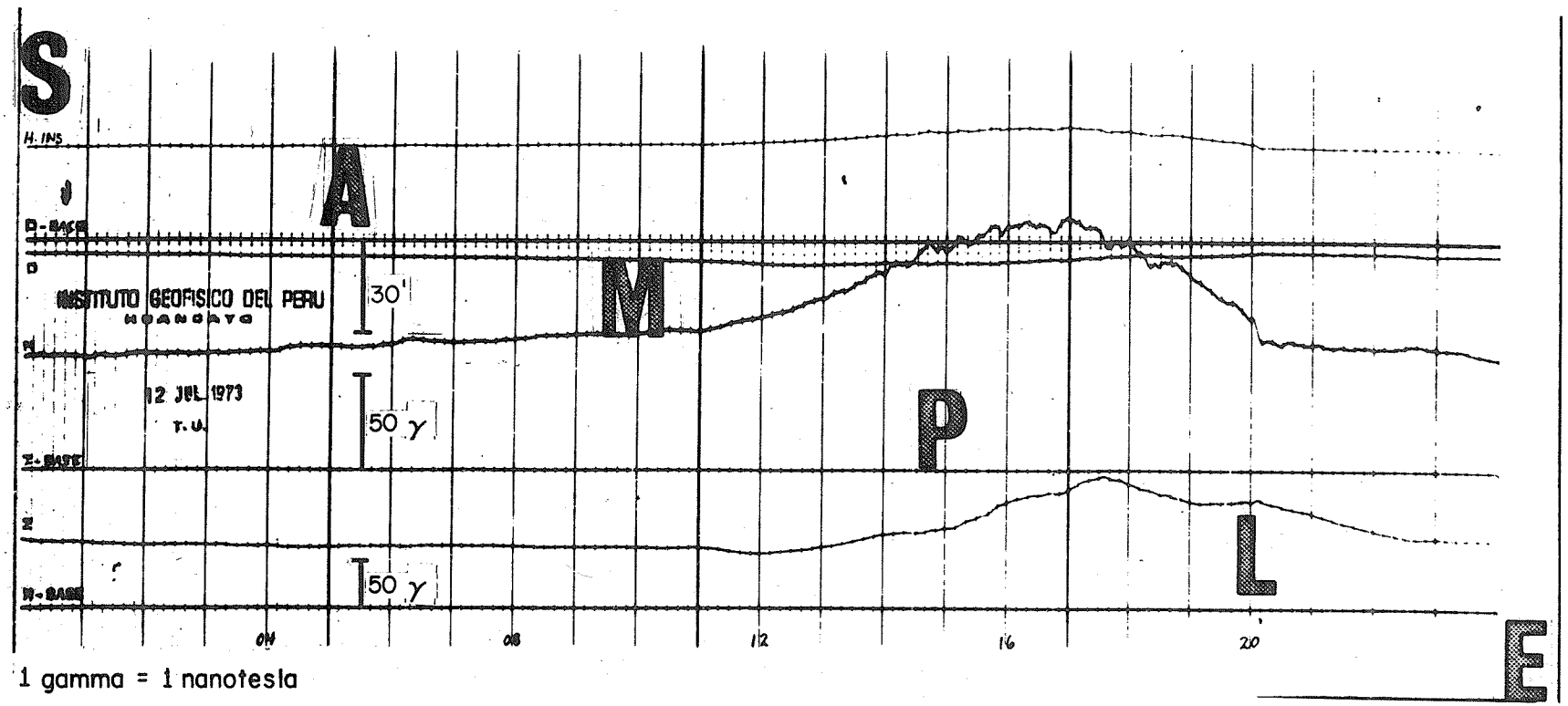
   Magnetograms from selected observatories reduced to a uniform time and sensitivity scale.

9. Principal Magnetic Storms

   A table reproduced from *Solar-Geophysical Data*, chronologically showing the principal magnetic storms reported by the stations indicated.

10. AE-Indices (also AU, AL and AO)

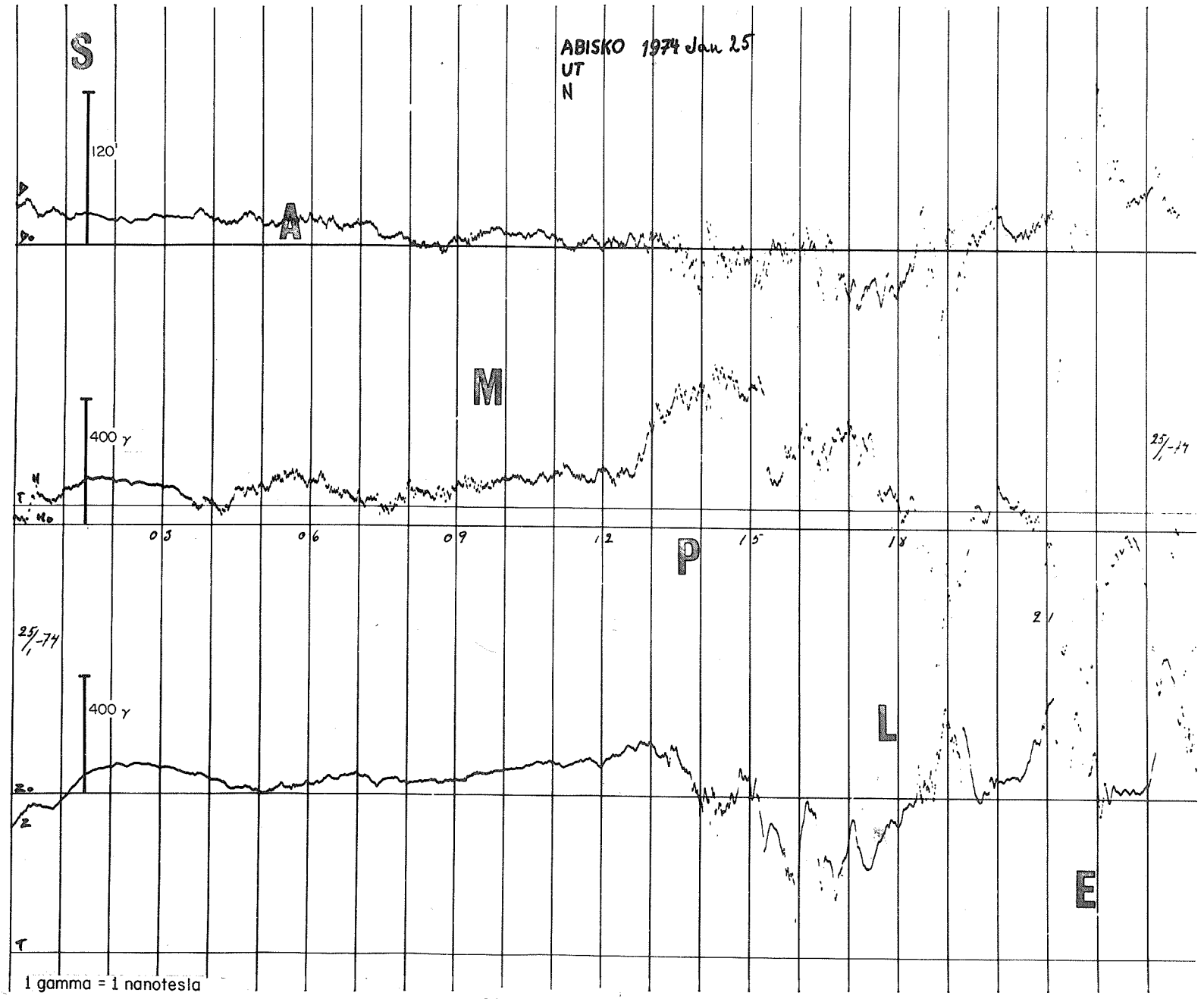
    Table and plots showing hourly values of AE, AU, AL and AO indices and graphs derived from 2.5 minute values.



1 gamma = 1 nanotesla

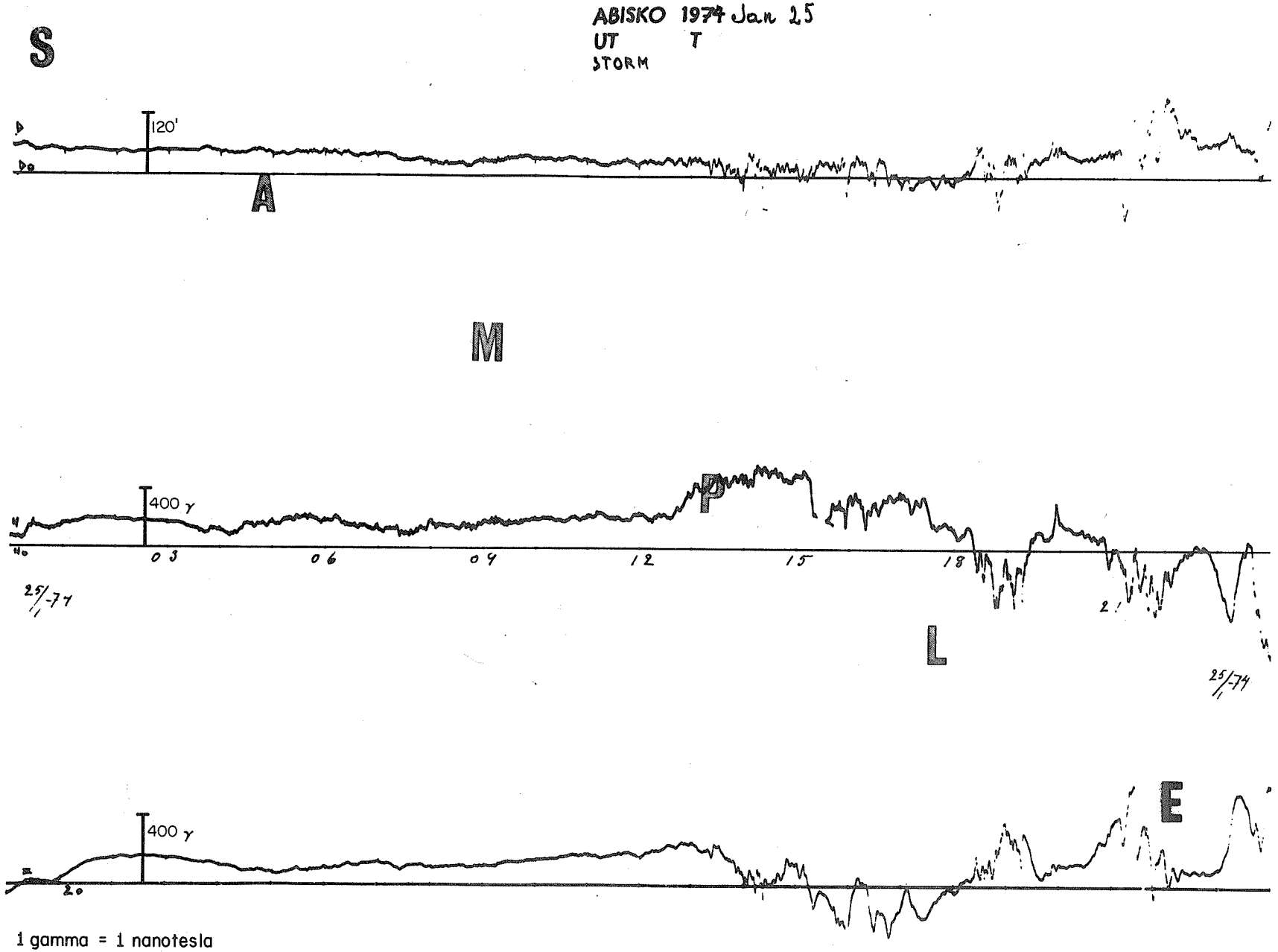
Normal Magnetogram

Approximate size of original magnetogram: 20 cm x 52 cm.



Normal Magnetogram

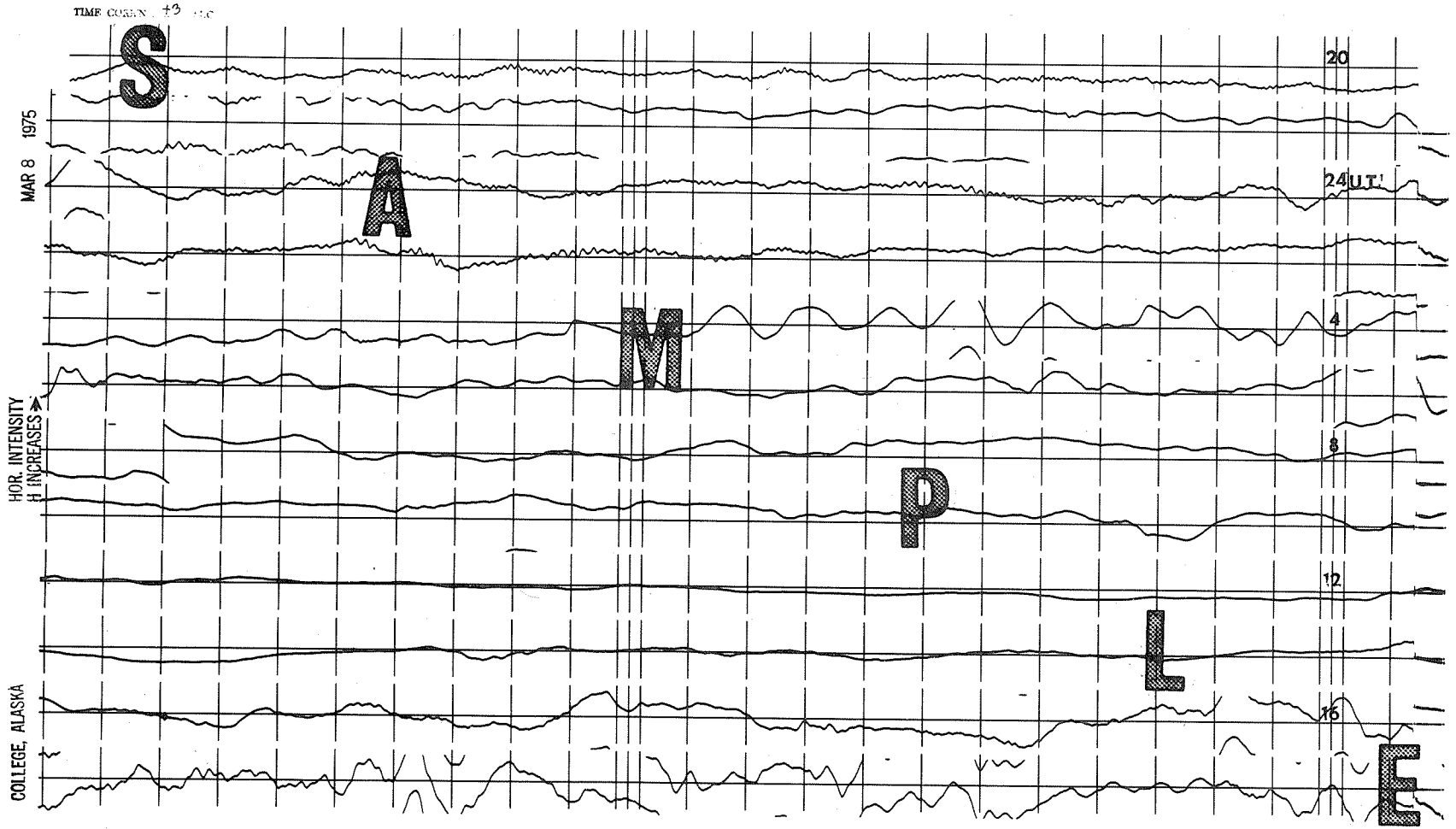
Approximate size of original magnetogram: 30 cm x 40 cm.



1 gamma = 1 nanotesla

Storm Magnetogram

Approximate size of original magnetogram: 30 cm x 40 cm.



Rapid—Run Magnetogram

Approximate size of original magnetogram: 30 cm x 50 cm.

Academy of Scientific Research

HELWAN OBSERVATORY (Misallat)

H. Horizontal Intensity

Jan 197-

	Days of Month	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	Midn	Sum	Mean	Remarks
**	1	216	231	226	223	221	221	225	227	257	249	253	245	228	193	173	167	061	009	048	036	065	102	050	115	3997	167	
**	2	178	160	190	168	155	167	175	158	184	150	158	180	186	169	158	148	170	165	165	208	200	196	211	201	4175	174	
	3	200	203	210	211	215	193	2[illegible]	218	221	224	235	231	235	218	208	210	210	209	217	215	214	218	221	224	5185	216	
	4	224	251	221	223	226	233	[illegible]	254	260	260	263	244	254	240	227	219	223	224	230	234	234	235	236	236	5684	237	
*	5	238	237	240	245	243	247	[illegible]	257	277	291	213	292	281	263	239	229	228	227	230	232	233	233	235	235	5971	249	
*	6	236	236	236	236	240	241	[illegible]	271	287	293	293	290	277	263	250	241	239	240	241	240	242	242	243	242	6069	253	
*	7	247	245	244	245	248	254	265	277	284	290	288	290	283	270	256	250	245	245	246	248	248	250	248	250	6216	259	
	8	251	251	252	252	254	262	271	281	285	282	276	280	285	278	265	248	238	242	244	238	244	247	248	249	6223	259	
	9	252	254	252	245	244	245	253	264	268	276	279	283	281	274	262	252	248	247	249	250	247	247	246	249	6167	257	
*	10	251	254	256	259	259	257	268	277	287	300	306	302	[illegible]	[illegible]	269	257	254	253	254	254	256	260	264	264	6443	268	
	11	266	260	276	267	248	232	235	244	233	233	245	240	[illegible]	[illegible]	208	192	197	213	220	220	223	227	233	230	5623	234	
*	12	233	234	236	236	241	241	245	262	275	285	287	286	[illegible]	[illegible]	259	249	245	241	241	245	247	247	246	242	6077	253	
	13	246	246	251	258	271	296	301	299	304	273	246	219	[illegible]	[illegible]	126	160	175	181	190	196	208	210	215	220	5435	226	
	14	220	213	215	253	265	271	263	215	177	170	181	182	179	177	198	186	195	198	198	203	207	202	203	205	4976	207	
	15	211	205	203	205	205	203	215	223	230	240	243	251	244	239	234	228	230	235	240	242	256	242	240	239	5503	229	
**	16	236	240	246	248	240	235	230	217	217	242	230	216	224	199	188	183	192	209	224	204	204	209	216	222	5271	220	
**	17	244	231	218	224	206	202	202	214	221	234	244	222	211	212	212	230	253	234	225	253	244	231	244	236	5467	227	
	18	244	236	223	225	220	220	227	217	232	228	235	258	250	244	230	227	232	238	223	[illegible]	237	228	254	263	5640	235	
	19	239	233	228	234	235	223	221	237	245	255	255	255	253	243	239	238	236	229	233	[illegible]	238	236	253	247	5746	239	
	20	249	226	227	231	224	225	223	235	252	259	247	237	243	241	233	210	228	240	235	[illegible]	248	228	241	244	5656	236	
	21	235	255	245	245	235	226	221	206	216	213	215	217	210	229	216	214	222	222	214	221	232	243	240	235	5433	226	
	22	250	250	230	231	229	222	205	210	201	220	228	225	230	223	210	209	216	216	223	228	236	243	234	243	5412	226	
	23	252	241	237	231	220	224	216	223	231	249	257	249	233	210	205	207	218	226	230	233	231	237	234	237	5531	230	
	24	235	236	236	238	238	232	212	217	234	246	257	260	249	249	245	240	237	231	233	237	242	241	237	239	5721	238	
	25	239	241	243	244	227	233	236	243	262	273	273	270	260	252	243	242	244	241	236	228	230	241	260	244	5905	246	
	26	249	242	233	238	230	228	237	246	249	261	267	275	267	249	225	237	230	238	239	252	251	234	252	253	5[illegible]	246	
	27	244	237	241	222	215	212	207	222	235	245	262	256	243	235	239	232	236	239	233	236	237	237	239	236	5[illegible]	235	
	28	239	240	241	239	237	235	242	252	264	280	307	254	242	249	249	249	249	252	253	249	256	271	247	245	6[illegible]	252	
**	29	233	252	238	259	259	240	223	238	249	249	252	247	218	183	204	216	216	228	235	233	268	240	235	234	5[illegible]	235	
	30	233	233	234	233	226	235	235	235	240	243	246	246	246	247	240	238	228	226	233	231	234	235	233	241	5671	236	
	31																											
	Sum																											
	Mean	235	235	234	236	233	232	233	239	246	250	254	251	244	233	224	218	220	220	223	226	230	230	232	234		234	
*	Mean Q	243	243	242	244	246	250	253	269	280	290	291	292	284	271	256	249	242	241	242	244	245	246	247	247			
**	Mean D	211	223	226	224	215	213	211	219	226	225	227	222	214	191	187	177	178	170	179	187	196	196	189	201			
	Deviation	+1	+1	0	+2	-1	-2	-1	+5	+12	+16	+20	+17	+10	-1	-10	-16	-14	-14	-11	-8	-4	-4	-2	0			

G.O. Govt. Printing Office 0091 A, 1973-150 ex.

Magnetic Hourly Values

INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

INTERNATIONAL ASSOCIATION OF GEOMAGNETISM AND AERONOMY

INDICES OF GEOMAGNETIC ACTIVITY

OBSERVATORY GNANGARA SCALE-VALUE OF VARIOMETERS

MONTH OCT 1974 IN γ/MM

RANGE FOR K=9: 350 γ D 2.7 H 7.4 Z 6.2

GR DAY	K–INDICES FOR THREE-HOUR INTERVAL										Char. 0.1.2
19.....	00h.-03h	03h.-06h	06h.-09h	09h.-12h	12h.-15h.	15h-18h	18h.-21h	21h.-24h	SUM		Full Day
1	3	3	1	4	5	5	4	3	28		1
2	2	1	3	2	5	4	6	5	28		1
3	2	2	3+	1+	2	3	2	1	16+		1
4	2	1	2	1	2	3	3	2	16		1
5	2	0	0	1	2	2	3	3	13		0
6	3	3	2	2	3	1	1	1	16		1
7	0	1	0	1	1	0	2	2	07		0
8	1	2	1	2	3	2	5	3	19		1
9	2	3	4	4	5	4	6	3	31		1
10	3	2	3	1	2	1	2	3	17		1
11	3	3	1	1	0	1	2	1	12		0
12	1	2	2	1	3	2	4	3	18		1
13	5	4	6	6	6	6	4	3	40		2
14	2	2	2	2	2	5	5	5	25		1
15	4	4	5	4	4	4	3	4	32		1
16	4	3	4	6	6	5	5	5	38		2
17	4	3	4	6	5	5	4	2	33		1
18	4	4	3	4	4	4	4	3	30		1
19	4	3	2	5	5	4	3	3	29		1
20	3	4	5	5	5	6	2	3	33		2
21	2	2	3	2	1	2	2	2	16		0
22	2	1	2	3	4	3	3	2	20		1
23	1	2	1	1	1	0	1	2	09		0
24	5	5	5	4	3	4	3	3	32		1
25	3	2	3	4	4	4	2	3	25		1
26	3	3	3	4	5	5	4	4	31		1
27	4	3	2	4	4	5	5	3	30		1
28	4	3	1	4	4	5	3	4	28		1
29	4	2	2	3	4	2	2	2	21		1
30	2	1	2	2	3	3	1	2	16		0
31	2	1	1	1	0	2	3	2	12		0

K–Indices

GEOPHYSICAL OBSERVATORY
SODANKYLÄ

GEOMAGNETIC INDICES Q

DECEMBER 1974

	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0h	0000	6654	1123	3444	0000	1222	0011	1000	6553	7655	4422	3433	0111	4445	2222
	0000	5343	3111	4443	0000	2101	1100	0000	2222	4432	2112	3211	0233	6555	1010
	0000	3244	1111	3313	0000	1100	0000	0000	1223	3345	1212	1223	3321	3223	0000
	0000	3322	1101	2322	0000	0000	0000	0000	3322	6434	1112	3332	1321	2112	1101
	0000	2322	1111	2322	0000	0110	0000	0000	3223	4322	3332	1232	2222	2233	1011
	0000	1112	1112	2223	0000	0000	0000	0000	3323	2322	2222	2212	2211	2222	0001
6h	0000	2111	1111	1111	0000	0000	1000	0000	2232	2212	3322	2222	1111	2311	1111
	0000	1101	1001	1[illegible]2	0000	0000	1100	0000	2222	3232	1223	3332	0000	2222	0001
	0000	0001	0000	[illegible]	0000	0000	0000	0000	2221	3112	3333	2222	0000	2122	1122
	0000	1111	0100	[illegible]	0000	0000	0001	0000	3342	2121	2334	3233	1111	2211	2210
	0000	1111	1111	2211	0000	0000	1112	0100	2222	1212	3433	3344	2111	1101	0112
	0001	2223	1111	1111	1110	0000	2211	0011	2225	2221	3344	3333	1211	0111	2221
12h	1000	3333	2212	1100	0011	0000	1110	1111	6544	1222	4345	3323	0221	1111	1122
	0000	4432	0111	0000	1100	0000	0001	1111	3233	2223	5423	4334	2231	1111	2212
	0000	2111	2211	0011	0112	1000	0001	2333	3566	2225	1101	5343	1555	1101	2111
	0000	0000	1110	1010	2221	0000	2221	2111	5665	6334	0010	4422	4433	1100	0010
	0000	0011	0010	0011	1001	0000	2333	3445	5656	4432	0101	1100	3265	1111	1111
	0000	1122	0001	1100	1111	0000	[illegible]	6555	4546	4444	1344	0000	5447	1233	2344
18h	3333	2112	2234	0001	1221	0000	[illegible]	3111	7676	3332	4232	0000	7654	2222	3222
	2344	2334	6554	1101	2444	0000	0000	1113	6566	2332	2246	0000	4567	2211	3222
	4555	4444	4445	1000	4333	0000	0000	3344	7765	3332	5543	0021	7545	2222	3322
	4444	4332	5545	0010	3211	0000	0001	5444	4444	2222	2122	2244	3243	2222	3444
	4566	2321	5334	0111	1000	0000	1122	5567	6565	2222	1112	3321	6776	1322	4444
	6655	1100	5433	0110	0000	0000	2221	6666	5677	3344	0112	1111	6554	2233	4421

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
0h	1100	2100	5445	3444	3434	3321	5434	3321	2333	[illegible]	1111	5555	2222	2111	2222	3334
	1000	0000	5544	5545	4444	1211	5543	1001	3211	[illegible]	1111	5443	1101	1111	2111	5656
	0000	0001	3322	5555	5544	1212	3333	2011	0000	[illegible]	1122	1111	1101	0000	1100	6655
	0000	1111	2322	4333	3232	3333	3332	1011	0000	0000	1011	1112	0000	0000	0011	6533
	0000	2223	2222	3323	2231	2222	2333	1211	1111	0000	2211	2222	0001	1111	1000	2222
	0000	2222	2222	3343	3323	1221	3232	1111	1023	0000	1000	2221	1111	1111	0000	2222
6h	0000	1222	2233	4334	3222	0102	2122	1211	1110	0000	0000	1222	1111	1111	0000	2221
	0000	2222	3322	4332	2332	2101	2111	1111	1111	0000	1111	2133	1111	0000	0000	1111
	0000	3212	3324	2222	2323	3111	1111	0112	1111	0000	1111	2321	1112	0011	0000	1110
	0000	2211	3333	3222	2233	2121	1211	1111	1110	0000	1221	2222	1111	1111	0000	0100
	0000	1122	3322	3234	3212	1113	1111	1101	1111	1010	1112	3222	1222	2111	0000	0001
	0000	1011	3333	2335	3434	2233	1111	1100	1212	1010	1111	2232	1232	1121	0000	1111
12h	0000	0000	2233	3223	5122	3211	1111	1100	2123	1000	1222	3333	2221	1012	0000	0001
	0000	0010	2333	3334	2233	2323	1112	1111	2221	0000	1111	3332	1111	2322	0000	1110
	0000	0000	3335	2322	3223	3443	2212	1223	0100	1110	1210	2333	1111	2232	0000	1101
	0010	1102	5433	3224	2213	3332	2123	5654	1111	0001	0000	4523	3321	1122	0000	1122
	1122	3355	3323	2234	3334	1111	3332	4443	2444	1233	0011	2223	2333	1111	0000	2321
	2211	5545	5664	4433	4432	1124	1111	4544	3323	4564	1123	3124	3211	1111	0000	1222
18h	2244	5545	5555	2344	2233	4234	0001	5544	3334	4545	4444	4432	1111	1111	0000	2222
	4322	5445	4776	7776	4555	4433	1122	5654	3332	5556	4444	2243	0122	1111	1112	[illegible]255
	2111	5554	4454	5445	4322	2375	3321	5556	1222	8765	3333	4333	2212	1244	3333	[illegible]223
	1111	4457	5445	6656	2233	6644	1033	6554	3454	2212	3333	3344	1110	3443	3322	[illegible]22
	1111	7657	4444	6676	3434	3334	3344	2221	3222	3333	3334	3343	0111	3233	3333	1001
	1011	7666	3443	3554	3333	4444	4445	2222	3322	2211	4445	3332	1222	3332	2222	1223

Q—Indices

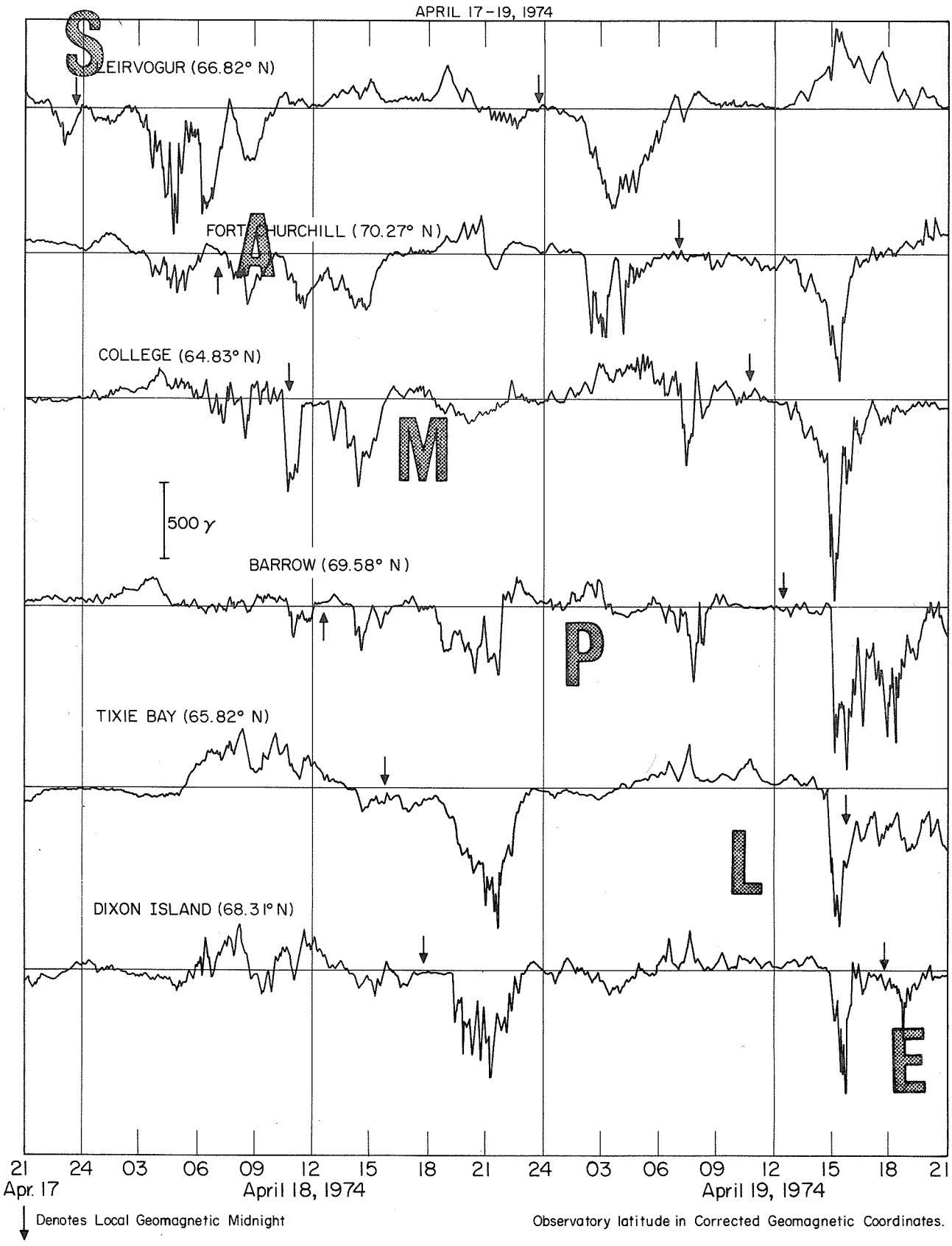
ESRO Magnetic Tape Listing

YEAR	DAY	SUNROT	CYCLE	KP								SUM(KP)	3-H-AP							SUM(AP)	AP	CP	C9	SUNSPOT	FLUX	CODE
67	1	1825	23	2+	2+	2-	30	3+	5+	3+	2+	24-	9	9	6	15	18	56	18	9	140	18	1.0	5	73	124.4	0
67	1	1825	24	2+	3-	1+	1+	1+	10	2+	1+	14-	9	12	5	5	5	4	9	5	54	7	0.3	1	96	143.0	1
67	1	1825	25	1+	2+	1+	3-	3+	3+	20	0+	17-	5	9	5	12	18	18	7	2	76	10	0.5	2	124	154.0	0
67	1	1825	26	00	0+	0+	00	1-	0+	10	10	4-	0	2	2	0	3	2	4	4	17	2	0.0	0	148	160.7	0
67	1	1825	27	1+	0+	0+	1-	1-	1-	0+	1-	50	5	2	2	3	3	3	2	3	23	3	0.1	0	150	168.2	0
67	1	1826	1	0+	10	3-	20	10	1+	20	1-	110	2	4	12	7	4	5	7	3	44	6	0.2	1	148	160.5	0
67	1	1826	2	0+	3+	4-	4+	50	5-	5+	27+	3	2	18	22	32	48	39	56	220	28	1.2	6	134	153.6	0
67	1	1826	3	7-	6+	60	40	50	3+	2+	400	94	111	94	80	27	48	18	9	481	60	1.7	7	116	142.9	0
67	1	1826	4	40	2+	20	3+	30	2-	20	21-	9	27	9	7	18	15	6	7	98	12	0.7	3	111	144.7	0
67	1	1826	5	20	0+	0+	0+	0+	2-	20	20	90	7	2	2	2	2	6	7	7	35	4	0.2	1	111	145.6	0
67	1	1826	6	3+	3-	30	20	3+	40	30	30	24+	18	12	15	7	18	27	15	15	127	16	0.9	4	104	139.8	0
67	1	1826	7	10	00	0+	0+	0+	00	1-	0+	30	4	0	2	2	2	0	3	2	15	2	0.0	0	97	139.1	0
67	1	1826	8	10	20	30	20	6-	3-	4+	6-	26+	4	7	15	7	67	12	32	67	211	26	1.2	6	93	138.1	0
67	1	1826	9	7+	8-	60	5+	2-	1+	10	10	31+	154	179	80	56	6	5	4	4	488	61	1.7	7	85	135.2	0
67	1	1826	10	30	1-	10	2+	3-	2-	2+	3-	16+	15	3	4	9	12	6	9	12	70	9	0.5	2	60	126.6	0
67	1	1826	11	3-	3-	3+	20	20	1+	2-	1+	0	12	12	18	7	7	5	6	5	72	9	0.5	2	56	120.2	0
67	1	1826	12	1+	1+	10	1+	0+	1+	1-	10	+	5	5	4	5	2	5	3	4	33	4	0.1	0	59	116.9	0
67	1	1826	13	1+	1+	0+	1-	1+	20	20	1+	+	5	5	2	3	5	7	7	5	39	5	0.2	1	72	117.4	0
67	1	1826	14	20	1-	1-	10	0+	10	2+	1+	9+	7	3	3	4	2	4	9	5	37	5	0.2	1	82	116.4	0
67	1	1826	15	1+	2+	3+	2+	3-	40	3+	2+	22-	5	9	18	9	12	27	18	9	107	13	0.8	4	92	127.0	0
67	1	1826	16	20	30	2+	2+	20	30	10	10	17-	7	15	9	9	7	15	4	4	70	9	0.5	2	125	138.2	0
67	1	1826	17	2+	00	1+	10	1-	1-	1+	10	8+	9	0	5	4	3	3	5	4	33	4	0.1	0	140	139.9	0
67	1	1826	18	2+	2-	20	2-	0+	1-	10	1+	110	9	6	7	6	2	3	4	5	42	5	0.2	1	152	148.8	1
67	1	1826	19	10	0+	00	00	0+	0+	0+	1+	4-	4	2	0	0	2	2	2	5	17	2	0.0	0	122	146.8	0
67	1	1826	20	2-	1+	10	2-	20	10	1-	1-	100	6	5	4	6	P	4	3	3	38	5	0.2	1	133	142.7	1
67	1	1826	21	1+	10	1+	20	2-	00	00	0+	8-	5	4	5	7		0	0	2	29	4	0.1	0	136	154.3	0
67	1	1826	22	0+	0+	1-	2-	1+	10	1-	10	70	2	2	3	6	5	4	3	4	29	4	0.1	0	130	158.3	0
67	1	1826	23	20	4-	4-	3+	10	1+	3-	2-	19+	7	22	22	18	4	5	12	6	96	12	0.0	3	125	156.2	0
67	1	1826	24	2-	2-	2+	10	1-	1-	10	00	90	6	6	9	4	3	3	4	0	35	4	0.2	1	122	158.2	1
67	1	1826	25	0+	1-	10	1-	1-	0+	1-	1-	50	2	3	4	3	3	2	3	3	23	3	0.1	0	132	159.0	0
67	1	1826	26	00	0+	1-	0+	0+	10	1-	1-	40	0	2	3	2	2	4	3	3	19	2	0.0	0	110	156.4	0
67	2	1826	27	1+	2-	20	2-	10	1-	00	0+	9-	5	6	7	6	4	3	0	2	33	4	0.1	0	93	151.6	0
67	2	1827	1	00	00	1-	1-	0+	0+	1+	1-	40	0	0	3	3	2	2	5	3	18	2	0.0	0	88	143.5	0
67	2	1827	2	00	00	00	2-	0+	00	10	10	40	0	0	0	6	2	0	4	4	16	2	0.0	0	92	138.7	0
67	2	1827	3	0+	2+	20	20	2+	3+	3-	40	190	2	9	7	7	9	18	12	27	91	11	0.7	3	100	137.3	1
67	2	1827	4	5-	30	2+	20	3+	4-	2-	10	22-	39	15	9	7	18	22	6	4	120	15	0.8	4	72	146.8	1
67	2	1827	5	10	2+	20	1+	2-	10	10	3+	14-	4	9	7	5	6	4	4	18	57	7	0.4	2	89	148.8	0
67	2	1827	6	2-	10	10	1+	2-	5+	6-	6+	240	6	4	4	5	6	56	67	94	242	30	1.3	6	138	162.5	0
67	2	1827	7	60	60	5-	5-	5-	4-	5-	40	38+	80	80	39	39	39	22	39	27	365	46	1.5	7	109	148.3	0
67	2	1827	8	3+	2+	3+	1-	1-	0+	1+	1-	13-	18	9	18	3	3	2	5	3	61	8	0.4	2	112	145.9	0
67	2	1827	9	00	1+	0+	1-	1-	00	00	00	30	0	5	2	3	3	0	0	0	13	2	0.0	0	97	145.5	0
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67	2	1827	11	0+	00	0+	1-	1-	1-	0+	1+	4+	2	0	2	3	3	3	2	5	20	2	0.0	0	79	145.9	0
67	2	1827	12	1-	00	0+	1-	0+	20	2-	2-	7+	3	0	2	3	2	7	6	6	29	4	0.1	0	77	130.0	0
67	2	1827	13	2-	10	10	1+	1+	00	1+	1+	90	6	4	4	5	5	0	5	5	34	4	0.1	0	58	129.2	0
67	2	1827	14	1+	10	0+	00	00	00	1-	5-	80	5	4	2	0	0	0	3	39	53	7	0.3	1	58	126.4	0
67	2	1827	15	1+	10	0+	00	00	00	1-	5-	80	5	4	2	0	0	0	3	39	53	7	0.3	1	58	126.4	0

Indices on Magnetic Tape

In Kp columns the large zero following a number is usually written as a small zero indicating the value is the integer, a minus sign means value 1/3 integer smaller, a plus sign means value 1/3 integer larger.

H-COMPONENT MAGNETOGRAMS OF GEOMAGNETIC STORMS



Common Scale Magnetograms

PRINCIPAL MAGNETIC STORMS

JANUARY 1975

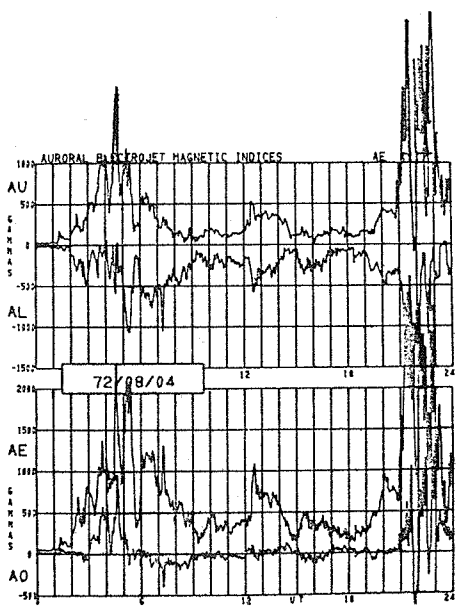
OBS 2 letter IAGA code	GEOMAG-NETIC LATI-TUDE	COMMENCEMENT DAY	hr min (UT)	TYPE	SC - AMPLITUDES D(')	H(γ)	Z(γ)	MAXIMUM 3 HOUR - INDEX K DAY(3 HOUR PERIOD)	K	RANGES D(')	H(γ)	Z(γ)	UT END DAY	HOUR
CO	64.6N	3	08--	..	..	..	..	05(4,5)	7	234	1640	1150	05	23
NE	55.1N	3	19--	..	..	..	..	04(3,4,5,6)	5	27	94	70	05	24
HY	7.6N	3	1300	..	..	..	..	04(6)	6	5	128	24	05	23
GU	4.0N	3	2204	..	..	..	..	04(4)	4	0	100	10	04	20
HU	0.6S	3	1535	..	..	..	..	04(6,7)	5	12	222	47	05	22
KG	56.5S	3	06--	..	..	..	..	04(6)	6	--	--	--	05	23
SI	60.0N	4	0727	SC	-14.7	+36.3	+27.2	04(5)	6	40	380	290	05	23
WI	54.2N	4	10--	..	..	..	..	04(6) 05(7,8)	6	35	195	60	05	23
HR	33.7S	4	05--	..	..	..	..	04(6)	5	28	95	93	05	03
GN	43.2S	4	06--	..	..	..	..	07(1) 08(4,5,7)	6	19	130	150	09	02
CO	64.6N	6	10--	..	..	..	..	06(4,5,7,8) 07(1,3,5)	6	204	1510	760	07	13
SI	60.0N	6	11--	..	..	..	..	07(3)	-	--	650	470	07	13
NE	55.1N	6	1957	SC*	4	9	3	07(1)	7	63	130	166	07	20
WI	54.2N	6	15--	..	..	..	..	06(8) 07(1)	7	47	275	85	07	09
FR	49.6N	6	13--	..	..	..	..	07(1)	6	33	134	39	07	21
BD	48.9N	6	1958	SC*	- 1	28	- 8	07(7)	7	47	133	52	07	18
TU	40.4N	6	1958	SC	- 1	+28	+ 2	06(8) 07(1)	6	28	195	30	09	01
SJ	29.9N	6	1430	..	..	..	..	07(1)	6	8	76	40	07	16
AL	9.5N	6	1956	SC	- 0.7	29	- 9	06(8)	5	7	116	47	07	16
HY	7.6N	6	1000	..	..	..	..	07(1)	6	7	115	14	07	21
HY	7.6N	6	1957	SI	- 0.5	+31	..	--	-	--	--	--	--	--
GU	4.0N	6	1957	SC	--	20	..	07(1)	6	--	--	--	07	17
AN	1.5N	6	1956	SC	- 1.3	38	..	--	-	7	123	78	07	16
HU	0.6S	6	1100	..	..	..	..	06(7,8)	5	11	262	48	08	23
TV	1.1S	6	1956	SC	0.3	30	38	--	-	5	111	98	07	16
HR	33.7S	6	1957	SC	+ 2	+36	+21	06(8) 07(1) 08(7)	6	33	138	115	08	22
CO	64.6N	7	2321	SC*	+ 9	+45	+14	08(4)	8	193	2170	980	09	02
SI	60.0N	7	2322	SC*	+ 4.6*	+ 6.8*	- 2.9*	08(3)	-	--	--	370	09	01
NE	55.1N	7	2321	SC*	1	13	3	08(3)	6	47	198	121	09	02
WI	54.2N	7	2322	SC*	- 2 *	+20	0	08(7)	7	37	225	50	08	22
FR	49.6N	7	2322	SC*	+ 3	+17	- 5	08(3)	5	17	125	29	08	22
BD	48.9N	7	2323	SC*	- 2	14	- 3	08(3)	6	26	129	32	09	15
SJ	29.9N	7	2322	SC	--	--	--	--	4	--	--	--	08	21
AL	9.5N	7	2322	SC	- 0.5	11	- 5	07(1)	6	5	135	29	08	22
HY	7.6N	7	0024	SI	- 1.7	+58	- 1	--	-	--	--	--	--	--
HY	7.6N	7	2321	SC	- 0.3	+12	- 1	08(3,4,6,7)	5	5	144	19	08	22
GU	4.0N	7	2322	SC	--	20	-05	08(1)	5	0	120	30	08	23
AN	1.5N	7	2322	SC	- 0.7	13	8	--	-	6	166	53	08	22
TV	1.1S	7	2322	SC	0.1	11	12	--	-	4	185	123	08	22
KG	56.5S	7	2323	SC	--	--	--	08(7)	6	--	--	--	08	22
HY	7.6N	8	0236	SI	- 1.0	+34	- 3	--	-	--	--	--	--	--
CO	64.6N	12	17--	..	..	..	..	14(5)	7	170	1670	820	15	03
NE	55.1N	12	1951	..	..	..	..	14(3,5)	5	28	162	128	15	06
HY	7.6N	12	1700	..	..	..	..	14(7)	5	5	106	25	14	23
GU	4.0N	12	1843	..	..	..	..	13(1)	5	0	130	30	15	18
HU	0.6S	12	1715	..	..	..	..	13(6)	6	[illegible]	231	57	14	23
HR	33.7S	12	19--	..	..	..	..	13(3,6,7,8)	5	[illegible]	112	70	15	00
GN	43.2S	12	17--	..	..	..	..	13(1,5) 14(1,5,6) 15(8) 16(5,6) 17(6)	5	[illegible]	90	100	19	17
KG	56.5S	12	17--	..	..	..	..	14(7)	6	[illegible]	--	--	18	18
WI	54.2N	13	01--	..	..	..	..	13(7) 14(7)	6	35	165	50	15	02
BD	48.9N	13	01--	..	..	..	..	13(2)	5	24	120	37	15	15
HY	7.6N	15	1430	..	..	..	..	16(6)	5	4	93	30	18	16
NE	55.1N	16	10--	..	..	..	..	17(1,3,4) 18(5)	5	32	99	89	18	18
BD	48.9N	16	14--	..	..	..	..	17(2)	5	24	90	37	19	14
HY	7.6N	27	0300	..	..	..	..	27(3)	4	3	115	11	27	[illegible]
CO	64.6N	31	10--	..	..	..	..	01(4)	7	198	1370	860	02	[illegible]
NE	55.1N	31	1105	..	..	..	..	31(6) 1(3,4)	5	33	112	160	02	18
BD	48.9N	31	11--	..	..	..	..	31(6)	5	22	103	46	03	[illegible]
HY	7.6N	31	0700	..	..	..	..	31(6,7) 01(5)	5	5	120	19	02	23
GN	43.2S	31	10..	..	..	..	..	31(6,7) 01(5)	5	19	80	100	02	16
KG	56.5S	31	09--	..	..	..	..	01(5)	5	--	--	--	02	22

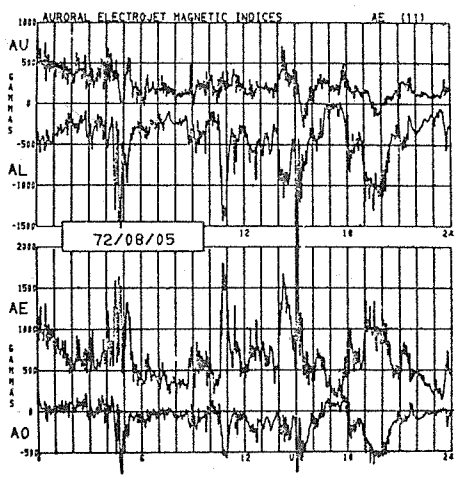
Reports were received from the following observatories:

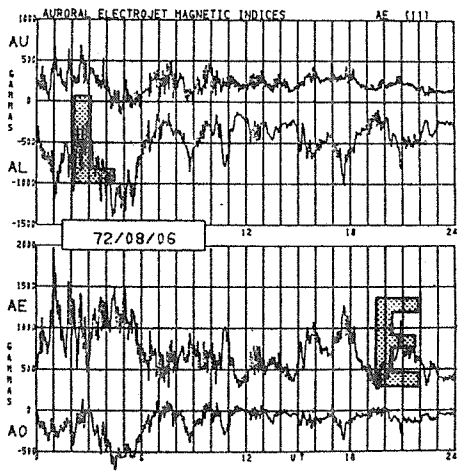
College Sitka, Newport Witteveen, Fredericksburg Boulder, Tucson San Juan, Honolulu Alibag, Hyderabad Guam, Annamalainagar Huancayo, Trivandrum Hermanus, Gnangara Port-aux-Francais

AUGUST 1972 AE INDICES VALUES ARE EXPRESSED IN GAMMAS

	UT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
	01	463	524	623	554	719	574	556	463	365	343	155	080	132	194	177	129	174	078	062	046	039	122	145	351	295
	02	449	329	258	126	108	180	222	198	205	255	179	250	208	045	032	029	059	106	101	087	131	096	077	072	158
C	03	046	044	046	070	064	077	060	051	154	281	093	040	066	115	214	156	182	143	091	068	060	067	075	083	098
D	04	050	108	481	838	1189	1202	1093	748	478	272	372	337	667	664	326	376	323	241	219	465	792	1954	2065	948	675
D	05	974	719	643	668	966	745	450	388	400	556	756	783	696	630	1165	803	515	332	696	1022	680	570	350	351	661
	06	843	1141	941	1052	1136	1042	646	558	681	651	703	481	570	576	457	810	766	975	672	428	680	687	482	388	726
	07	492	763	743	786	692	551	413	197	182	159	369	197	169	200	324	319	239	164	146	220	159	142	141	101	335
	08	068	065	067	061	043	038	045	047	059	076	070	070	104	116	244	257	182	314	342	348	151	170	208	304	144
C	09	595	510	250	588	748	975	1100	907	351	569	1242	675	394	398	286	331	314	328	398	258	201	400	226	150	508
	10	130	124	067	072	094	209	245	409	224	205	231	627	548	546	501	331	199	260	291	122	238	537	486	367	294
	11	427	481	521	595	313	136	089	082	250	377	370	132	354	218	105	179	465	295	437	268	405	550	285	297	318
	12	165	135	180	229	344	200	124	065	085	137	095	090	074	105	053	069	135	341	268	121	074	080	143	179	146
Q	13	085	098	104	121	182	333	108	056	074	078	084	063	063	035	025	077	238	379	114	059	060	079	058	061	108
	14	100	249	151	104	092	079	058	058	070	086	169	300	235	076	090	082	135	158	163	163	135	133	166	112	131
	15	104	133	157	296	435	660	664	550	626	214	117	074	066	035	032	095	038	035	078	147	148	116	145	252	218
	16	113	171	391	254	092	078	144	234	256	083	073	095	080	134	296	216	173	145	144	137	175	097	110	123	161
	17	118	152	491	090	049	064	072	094	120	271	179	069	068	074	203	102	087	081	104	154	142	089	074	080	117
	18	251			113	262			171	306	368	519				294	285	374		693	570	491	424			336
	19	30														606	778									







AE Indices (also AU, AL, AO Indices)

VI. Explanation of Catalog Listing of Magnetograms and Digital Data

The catalog listing of this UAG Report provides the following information:

1. Observatory name.

2. The years for which K-indices are available are indicated by an X. (In some cases these indices are not available for the entire year.)

3. The observatory-months for which hourly values are available in any form; i.e., yearbooks, microfilm, magnetic tape, etc.

4. The observatory-months for which hourly values are available on magnetic tape.

5. The observatory-months for which 2.5 minute values are available on magnetic tape.

6. The observatory-months for which normal magnetograms are available. In most cases the recording speed of these magnetograms is 20 millimeters per hour (the IAGA recommended chart speed).

7. The observatory-months for which storm magnetograms are available. These records are similar to the normal magnetograms, but much less sensitive.

8. The observatory-months for which rapid-run magnetograms are available. The recording speeds of most of these records range from 180 to 360 millimeters per hour.

VII. Catalog Listing of Magnetograms and Digital Data

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
ABINGER	1926		JFMA MJJA SOND	JFMA MJJA SOND				
	1927		JFMA MJJA SOND	JFMA MJJA SOND				
	1928		JFMA MJJA SOND	JFMA MJJA SOND				
	1929		JFMA MJJA SOND	JFMA MJJA SOND				
	1930		JFMA MJJA SOND	JFMA MJJA SOND				
	1931		JFMA MJJA SOND	JFMA MJJA SOND				
	1932		JFMA MJJA SOND	JFMA MJJA SOND				
	1933		JFMA MJJA SOND	JFMA MJJA SOND				
	1934		JFMA MJJA SOND	JFMA MJJA SOND				
	1935		JFMA MJJA SOND	JFMA MJJA SOND				
	1936		JFMA MJJA SOND	JFMA MJJA SOND				
	1937		JFMA MJJA SOND	JFMA MJJA SOND				
	1938		JFMA MJJA SOND	JFMA MJJA SOND				
	1939		JFMA MJJA SOND	JFMA MJJA SOND				
	1940	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1941	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1942	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1943	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1944	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1945	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1946	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1947	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1948	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1949	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1950	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1951	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1952	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1953	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1954	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1955	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1956	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1957		JFMA					
ABISKO	1966					M		
	1967					M		
	1968		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	FMA MJJA SOND	
	1969		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA M J SO D	
	1970		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	MA M JA SOND	
	1971		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1972		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJ A SOND	
	1973		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	FMA MJJ SO D	
	1974					JFMA MJJA SOND	JF A M	
ADAK	1964					SOND		
	1965					JFMA MJJA SOND		
	1966					J		
ADDIS ABABA	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962		JFMA MJJA SOND			JFMA MJJA SOND		
	1963		JFMA MJJA SOND			JFMA MJJA SOND		
	1964		JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
ADDIS ABABA (cont'd)	1965		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966		JFMA MJJA SOND			JA SOND		
	1967		JFMA MJJA SOND			JFMA MJJA S		
	1968		JFMA MJJA SOND					
	1969		JFMA MJJA SOND			JFMA MJJA SOND		
	1970		JFMA MJJA SOND			M		
AGINCOURT	1908							
	1909					JFMA MJJA SOND		
	1910					JFMA MJJA SOND		
	1911					JFMA MJJA SOND		
	1912					JFMA MJJA SOND		
	1913					JFMA MJJA SOND		
	1914					JFMA MJJA SOND		
	1915					JFMA MJJA SOND		
	1916					JFMA MJJA SOND		
	1917					JFMA MJJA SOND		
	1918					JFMA MJJA SOND		
	1919					JFMA MJJA SOND		
	1920					JFMA MJJA SOND		
	1921					JFMA MJJA SOND		
	1922					JFMA MJJA SOND		
	1923					JFMA MJJA SOND		
	1924					JFMA MJJA SOND		
	1925					JFMA MJJA SOND		
	1926					JFMA MJJA SOND		
	1927					JFMA MJJA SOND		
	1928					JFMA MJJA SOND		
	1929					JFMA MJJA SOND		
	1930					JFMA MJJA SOND		
	1931					JFMA MJJA SOND		
	1932		JFMA MJJA SOND			JFMA MJJA SOND		
	1933		JFMA MJJA SOND			JFMA MJJA SOND		
	1934		JFMA MJJA SOND			JFMA MJJA SOND		
	1935		JFMA MJJA SOND			JFMA MJJA SOND		
	1936		JFMA MJJA SOND			JFMA MJJA SOND		
	1937		JFMA MJJA SOND			JFMA MJJA SOND		
	1938		JFMA MJJA SOND			JFMA MJJA SOND		
	1939	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1940	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1941	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1942	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1943	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1944	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1945	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1946	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1947	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1948	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1949	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1950	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1951	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1952	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1953	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1954	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1955	X	JFMA MJJA SOND			JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
AGINCOURT (cont'd)	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1969	X	JFM	JFM		JFM		
ALERT	1961		OND			ND		
	1962		JFMA MJJA SOND			JFMA MJJA SOND		
	1963		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1964		JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND		
	1965		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1967		JFMA MJJA SOND	JFMA MJJA SOND	A M A SOND	JFMA MJJA SOND		
	1968		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJ	JFMA MJJA SOND		
	1969		JFMA MJJA SOND	JA S	JA S	JFMA MJJA SOND		
	1970		JFMA MJJA SOND	M	M	JFMA MJJA SOND		
	1971		JFMA MJJA SOND			JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
	1973					JFMA MJJA SOND		
	1974					JFMA MJJA SOND		
ALIBAG	1921		JFMA MJJA SOND					
	1922		JFMA MJJA SOND					
	1923		JFMA MJJA SOND					
	1924		JFMA MJJA SOND					
	1925		JFMA MJJA SOND					
	1926		JFMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1932		JFMA MJJA SOND					
	1933		JFMA MJJA SOND					
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1939		JFMA MJJA SOND					
	1940	X	JFMA MJJA SOND					
	1941	X	JFMA MJJA SOND					
	1942	X	JFMA MJJA SOND					
	1943	X	JFMA MJJA SOND					
	1944	X	JFMA MJJA SOND					
	1945	X	JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
ALIBAG	1946	X	JFMA MJJA SOND					
(cont'd)	1947	X	JFMA MJJA SOND					
	1948	X	JFMA MJJA SOND					
	1949	X	JFMA MJJA SOND					
	1950	X	JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	M	M	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X				JFMA MJJA SOND		
	1973	X						
	1974					J OND		
ALMA ATA	1964	X						
	1965	X						
	1966	X						
	1967	X						
	1968	X						
	1969	X						
	1970	X						
	1971	X						
ALMERIA	1955		JFMA MJJA SOND					
	1956		JFMA MJJA SOND					
	1957		JFMA MJJA SOND			JA SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959		JFMA MJJA SOND			JFMA MJJA SOND		
	1960		JFMA MJJA SOND					
	1961		JFMA MJJA SOND					
	1962		JFMA MJJA SOND					
	1963		JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	M	M	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
ALMERIA	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
(cont'd)	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1974	X				JFMA MJJA SOND		
AMBERLEY	1939	X						
	1940	X						
	1941	X						
	1942	X						
	1943	X						
	1944	X						
	1945	X						
	1946	X						
	1947	X						
	1948	X						
	1949	X	JFMA MJJA SOND					
	1950	X	JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X						
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND	SOND				
	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA	JFMA MJJA SOND		
	1965	X	M JA SON	M JA SON	M JA SON	JFMA MJJA SOND		
	1966	X						
	1967	X						
	1968	X				JFMA MJJA SOND		
	1969	X						
	1970	X				JFMA MJJA SOND		
	1971	X				JFMA MJJA SOND		
	1972	X				JFMA MJJA SOND		
	1973	X				JFMA MJJA SOND		
	1974	X						
AMDERMA	1973					ND		
	1974					JF		
ANCHORAGE	1957		JA SOND	JA SOND		JA SOND		
	1958		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
ANDREWS AFB	1972					A SOND		
ANNAMALAINAGAR	1957	X	OND			OND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960		JFMA MJJA SOND					
	1961		JFMA MJJA SOND					
	1962		JFMA MJJA SOND					
	1963		JFMA MJJA SOND			JFMA MJJA SOND		
	1964		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
ANNAMALAINAGAR	1965		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
(cont'd)	1966		JFMA MJJA SOND			JFMA MJJA SOND		
	1967		JFMA MJJA SOND	SO	SO	JFMA MJJA SOND		
	1968		JFMA MJJA SOND			JFMA MJJA SOND		
	1969		JFMA MJJA SOND			JFMA MJJA SOND		
	1970		JFMA MJJA SOND			JFMA MJJA SOND		
	1971		JFMA MJJA SOND			JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
ANTIPOLO	1911		JFMA MJJA SOND					
	1912		JFMA MJJA SOND					
	1913		JFMA MJJA SOND					
	1914		JFMA MJJA SOND					
	1915		JFMA MJJA SOND					
	1916		JFMA MJJA SOND					
	1917		JFMA MJJA SOND					
	1918		JFMA MJJA SOND					
	1919		JFMA MJJA SOND					
	1920		JFMA MJJA SOND					
	1921		JFMA MJJA SOND					
	1922		JFMA MJJA SOND					
	1923		JFMA MJJA SOND					
	1924		JFMA MJJA SOND					
	1925		JFMA MJJA SOND					
	1926		JFMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1932		JFMA MJJA SOND					
	1933		JFMA MJJA SOND					
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
APIA	1905		FMA MJJA SOND					
	1906		JFMA MJJA SOND					
	1907		JFMA MJJA SOND					
	1908		JFMA MJJA SOND					
	1909		JFMA MJJA SOND					
	1910		JFMA MJJA SOND					
	1911		JFMA MJJA SOND					
	1921		JFMA MJJA SOND					
	1922		JFMA MJJA SOND					
	1923		JFMA MJJA SOND					
	1924		JFMA MJJA SOND					
	1925		JFMA MJJA SOND					
	1926		JFMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
APIA	1932		JFMA MJJA SOND					
(cont'd)	1933		JFMA MJJA SOND					
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1939	X	JFMA MJJA SOND					
	1940	X	JFMA MJJA SOND					
	1941	X	JFMA MJJA SOND					
	1942	X						
	1943	X	JFMA MJJA SOND					
	1944	X	JFMA MJJA SOND					
	1945	X	JFMA MJJA SOND					
	1946	X	JFMA MJJA SOND					
	1947	X						
	1948	X	JFMA MJJA SOND					
	1949	X	JFMA MJJA SOND					
	1950	X	JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND	JA SOND		JA SOND		JA SOND
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1959		JFMA MJJA SOND					
	1960		JFMA MJJA SOND					
	1961		JFMA MJJA SOND	JFMA MJJA SOND				
	1962		JFMA MJJA SOND					
	1963		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJ	JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1968					JFMA MJJA SOND		
	1971					JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
ARCTIC ICE FLOE A	1957					JA SOND		
	1958					MJJA SO		
AREQUIPA	1964		JFMA MJJA SOND			JFMA MJJA SOND		
	1965		JFMA MJJA SOND			JFMA MJJA SOND		
	1966		JFMA MJJA SOND			JFMA MJJA SOND		
	1968					JFMA MJJA SOND		
	1969					JFMA MJJA S		
	1970					A MJJA SOND		
	1971					A SOND		
	1972					JFMA MJJA SOND		
	1973					JFMA MJJ		
ARGENTINE ISLANDS	1957	X	JFMA MJJA SOND	JFMA MJJA SOND		JA SOND		
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
ARGENTINE ISLANDS (cont'd)	1961	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1968	X						
	1969							
	1970	X						
ARTI	1972					J		
	1973		A S			A S		
ASHKHABAD	1958	X				SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		A MJJA SOND
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1963	X						JFMA MJJA SOND
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJ
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA S
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1970	X	JFMA MJ			JFMA MJ		JFMA MJ
	1971	X						
	1972	X						
	1973	X						
	1974	X						
ASO	1957	X	JA SOND			JA SOND		
	1958		JFMA MJJA SOND			A MJJA SOND		
	1959		JFMA MJJA SOND			JFMA MJJA		
	1964		.			JFMA MJJA SOND		
	1965					JFMA MJJA SOND		
AVERROES	1970	X						
	1971	X	JFMA MJJA SOND					
	1972	X						
BAGUIO	1964					JFMA MJJA SOND		
	1965			O	O	JFMA MJJA SOND		
	1966		JFMA MJJA SOND	M	M	JFMA MJJA SOND		
	1967		JFMA MJJA SOND	A SO D	A SO D	JFMA MJJA SOND		
	1968		JFMA MJJA SOND	JF A MJ	JF A MJ	JFMA MJJA SOND		
	1969		JFMA MJJA SOND	JA SO	JA SO	JFMA MJJA SOND		
	1970		JFMA MJJA SOND			JFMA MJJA SOND		
	1971		JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		
	1974		JFMA MJJA SOND			JFMA MJJA SOND		
BAKER LAKE	1952	X						

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
BAKER LAKE (cont'd)	1953	X						
	1954	X						
	1955	X						
	1956							
	1957		JA SOND			JA SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959		JFMA MJJA SOND			JFMA MJJA SOND		
	1960		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1961		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1962		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1963		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1964		JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND		
	1965		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA S ND	JFMA MJJA SOND		
	1967		JFMA MJJA SOND	JFMA MJJA SOND	A M A SOND	JFMA MJJA SOND		
	1968		JFMA MJJA SOND	JFMA MJJA SOND	MA MJJA SO	JFMA MJJA SOND		
	1969		JFMA MJJA SOND	JFMA MJJA SOND	JJA S	JFMA MJJA SOND		
	1970		JFMA MJJA SOND	M	M	JFMA MJJA SOND		
	1971		JFMA MJJA SOND			JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
	1973					JFMA MJJA SOND		
	1974					JFMA MJJA SOND		
BALDWIN	1901		JFMA MJJA SOND					
	1902		JFMA MJJA SOND					
	1903		JFMA MJJA SOND					
	1904		JFMA MJJA SOND					
	1905		JFMA MJJA SOND					
	1906		JFMA MJJA SOND					
	1907		JFMA MJJA SOND					
	1908		JFMA MJJA SOND					
	1909		JFMA MJJA S					
BANGKOK	1966		JFMA MJJA SOND					
BANGUI	1952	X						
	1955		JFMA MJJA SOND					
	1956		JFMA MJJA SOND					
	1957		JFMA MJJA SOND			JA SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959		JFMA MJJA SOND			JFMA MJJA SOND		
	1960		JFMA MJJ			JFMA MJJ		
	1961		JFMA MJJA SOND	A SOND	A SOND	JFMA MJJA SOND		
	1962		JFMA MJJA SOND			JFMA MJJA SOND		
	1963		JFMA MJJA SOND			JFMA MJJA SOND		
	1964		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	ON	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	M ND	M ND	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	A M A SO D	A M A SO D	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JF A MJ	JF A MJ	JFMA MJJA SOND		
	1969	X	JA SO	JA SO	JA SO	JFMA MJJA SOND		
	1970	X	JFM	JFM	JFM	JFMA MJJA SOND		
	1971	X				JFMA MJJA SOND		
	1972	X				JFMA MJJA SO		
	1973					JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
BANGUI (cont'd)	1974	X				JFMA MJJA SOND		
BARROW	1949					OND		
	1950					JFMA MJJA SOND		
	1951					JFMA MJJA SOND		
	1952					JFMA MJJA SOND		
	1953					JFMA MJJA SOND		
	1954					JFMA MJJA SOND		
	1955					JFMA MJJA SOND		
	1956					JFMA MJJA SOND		
	1957	X				JFMA MJJA SOND		JA SOND
	1958	X				JFMA MJJA SOND		JFMA MJJA SOND
	1959	X				JFMA MJJA SOND		JFMA MJJA SOND
	1960	X				JFMA MJJA SOND		JFMA MJJA SOND
	1961	X				JFMA MJJA SOND		JFMA MJJA SOND
	1962	X				JFMA MJJA SOND		JFMA MJJA SOND
	1963	X	OND			JFMA MJJA SOND		JFMA MJJA SOND
	1964	X	JFMA MJJA SOND	SOND	SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1972	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1973	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1974	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
BARTER ISLAND	1957		J SOND			J SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
BATAVIA	1867		JA SOND					
	1868		JFMA MJJA SOND					
	1869		JFMA MJJA SOND					
	1870		JFMA MJ					
	1882		JA SOND					
	1883		JFMA MJJA SOND					
	1884		JFMA MJJA SOND					
	1885		JFMA MJJA SOND					
	1886		JFMA MJJA SOND					
	1887		JFMA MJJA SOND					
	1888		JFMA MJJA SOND					
	1889		JFMA MJJA SOND					
	1890		JFMA MJJA SOND					
	1891		JFMA MJJA SOND					
	1892		JFMA MJJA SOND					
	1893		JFMA MJJA SOND					
	1894		JFMA MJJA SOND					
	1895		JFMA MJJA SOND					
	1896		JFMA MJJA SOND					
	1897		JFMA MJJA SOND					
	1898		JFMA MJJA SOND					
	1899		JFMA MJJA SOND					
	1900		JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
BATAVIA (cont'd)	1901		JFMA MJJA SOND					
	1902		JFMA MJJA SOND					
	1903		JFMA MJJA SOND					
	1904		JFMA MJJA SOND					
	1905		JFMA MJJA SOND					
	1906		JFMA MJJA SOND					
	1907		JFMA MJJA SOND					
	1908		JFMA MJJA SOND					
	1909		JFMA MJJA SOND					
	1910		JFMA MJJA SOND					
	1911		JFMA MJJA SOND					
	1912		JFMA MJJA SOND					
	1913		JFMA MJJA SOND					
	1914		JFMA MJJA SOND					
	1915		JFMA MJJA SOND					
	1916		JFMA MJJA SOND					
	1917		JFMA MJJA SOND					
	1918		JFMA MJJA SOND					
	1919		JFMA MJJA SOND					
	1920		JFMA MJJA SOND					
	1921		JFMA MJJA SOND					
	1922		JFMA MJJA SOND					
	1923		JFMA MJJA SOND					
	1924		JFMA MJJA SOND					
	1925		JFMA MJJA SOND					
	1926		JFMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1932		JFMA MJJA SOND					
	1933		JFMA MJJA SOND					
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1939		JFMA MJJA SOND					
	1940		JFMA MJJA SOND					
BEAR ISLAND	1957	X						
	1958	X						
	1959	X						
	1960	X						
	1961	X						
	1962	X						
	1963	X						
	1964	X						
	1965	X						
	1974					JFMA		
BELIY ISLAND	1973					ND		
	1974					JF		
BELOIT	1957		JA SOND	JA SOND		JA SOND		
	1958		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1959		J			J		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
BELSK	1960	X						
	1961	X						
	1962	X						
	1963	X						
	1964	X						
	1965	X						
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND					
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1972	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1973	X	JFMA MJJA SOND					
	1974	X						
BIG DELTA	1957		JA SOND	JA SOND		JA SOND	JA SOND	JA SOND
	1958		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1959					J	J	J
BINZA	1954		JFMA MJJA SOND					
	1955		JFMA MJJA SOND					
	1956		JFMA MJJA SOND					
	1957	X						
	1958	X						
	1959	X						
	1960	X						
	1961	X						
	1962	X						
	1963	X						
	1964	X						
	1965	X						
	1966	X				JFMA MJ		
	1967	X						
	1968	X				JFMA MJJA SOND		
	1969	X				JFMA MJJA SOND		
BOCHUM	1902		JFMA MJJA SOND					
	1903		JFMA MJJA SOND					
	1904		JFMA MJJA SOND					
	1905		JFMA MJJA SOND					
	1906		JFMA MJJA SOND					
	1907		JFMA MJJA SOND					
	1908		JFMA MJJA SOND					
	1909		JFMA MJJA SOND					
	1910		JFMA MJJA SOND					
BOROK	1957							A SOND
	1958							JFMA MJJA SOND
	1959							JFMA MJJA SOND
	1960							JFMA MJJA SOND
	1961							JFMA MJJA SOND
	1962							JFMA MJJA SOND
	1963							JFMA MJJA SOND

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
BOROK	1964							JFMA MJJA SOND
(cont'd)	1965							JFMA MJJA SOND
	1966							JFMA MJJA SOND
BOULDER	1961					JFMA MJJA SOND		
	1962					JFMA MJJA SOND		
	1963	X	A MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	J SOND	J SOND	JFMA MJJA SOND		MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1972	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1973	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1974	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJ
BRISBANE	1957	X						
	1958	X						
	1959	X						
	1960	X						
	1961	X						
	1962	X						
	1963	X						
	1964	X						
BUDAKESZI	1949		JFMA MJJA SOND					
	1950		JFMA MJJA SOND					
	1951		JFMA MJJA SOND					
	1952		JFMA MJJA SOND					
	1953		JFMA MJJA SOND					
	1954		JFMA MJJA SOND					
BUDKOV	1957	X						
	1958	X						
	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND					
	1964		JFMA MJJA SOND					
	1965		JFMA MJJA SOND					
	1966		JFMA MJJA SOND					
	1967		JFMA MJJA SOND					
	1968		JFMA MJJA SOND					
	1969		JFMA MJJA SOND					
	1970		JFMA MJJA SOND					
BURLINGTON	1957		JA SOND			JA SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959		J			J		
BYRD	1957	X	A SOND	A SOND		JA SOND		
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
BYRD	1959	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
(cont'd)	1960	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1962	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1963	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1966					JFMA MJJA SOND		JFMA MJJA SOND
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1968	X	JFMA MJ	JFMA MJ	JFMA MJ	JFMA MJJA SOND		JFMA MJJA SOND
	1969	X				JFMA MJJA SOND		JFMA MJJA SOND
	1970	X	MJ ND	MJ ND	MJ ND	JFMA MJJA SOND		JFMA MJJA SOND
	1971	X				JFMA MJJA SOND		JFMA MJJA SOND
CAPE CHELYUSKIN	1955	X						
	1956	X						
	1957	X	JA SOND				A SOND	
	1958	X	JFMA MJJA SOND			JA SOND	JFMA MJJA SOND	
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1972		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1973		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
CAPE HALLETT	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X				JFMA MJJA SOND		
	1960	X				JFMA MJJA SOND		
	1961	X				JFMA MJJA SOND		
	1962	X				JFMA MJJA SOND		
CAPE KAMENNIY	1973					ND		
	1974					JF		
CAPE TOWN	1932			JFMA MJJA SOND				
	1933		JFMA MJJA SOND	JFMA MJJA SOND				
	1934		JFMA MJJA SOND	JFMA MJJA SOND				
	1935		JFMA MJJA SOND	JFMA MJJA SOND				
	1936		JFMA MJJA SOND	JFMA MJJA SOND				
	1937		JFMA MJJA SOND	JFMA MJJA SOND				
	1938		JFMA MJJA SOND	JFMA MJJA SOND				
	1939		JFMA MJJA SOND	JFMA MJJA SOND				
	1940	X	JFMA MJJA SOND	JFMA MJJA SOND				
CAPE WELLEN	1952	X						
	1953	X						
	1954	X						
	1955	X						

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
CAPE WELLEN (cont'd)	1956	X						
	1957	X	JA SOND			JA SOND	JA SOND	
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1972	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1973		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
CAPRI	1957	X	JA SOND					
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959		JFMA MJJA			JFMA MJJA		
	1961		FMA MJJA SOND			FMA MJJA SOND		
	1962		JFMA MJJA SOND					
	1963		JFMA MJJA SOND					
	1964		JFMA MJJA SOND			JFMA MJJA SOND		
	1965		JFMA MJJA SOND			JFMA MJJA SOND		
	1966		JFMA MJJA SOND			JFMA MJJA SOND		
	1967		JFMA MJJA SOND			JFMA MJJA SOND		
	1968		JFMA MJJA SOND			JFMA MJJA SOND		
CARROLLTON	1957					JA SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959		J			J		
CASPER	1957		A SOND			JA SOND		
	1958		JF A MJJA SON			JFMA MJJA SOND		
	1959					J		
CASTELLACCIO	1933		JFMA MJJA SOND					
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1939		JFMA MJJA SOND					
	1940		JFMA MJJA SOND					
	1941		JFMA MJJA SOND					
	1942		JFMA MJJA SOND					
	1943		JFMA MJJA SOND					
	1944		JFMA MJJA SOND					
	1945		JFMA MJJA SOND					
	1946		JFMA MJJA SOND					
	1947		JFMA MJJA SOND					
	1957		JFMA MJJA SOND			JA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
CASTELLACCIO (cont'd)	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959		JFMA MJJA SOND			JFMA MJJA SOND		
	1960		JFMA MJJA SOND			JFMA MJJA SOND		
	1961		JFMA MJJA SOND			JFMA MJJA SOND		
	1962		JFMA MJJA SOND			JFMA MJJA SON		
CASTLE ROCK	1970		A MJJA SOND	A MJJA SOND	A MJJA SOND			
	1971		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND			
	1972		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND			
	1973		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND			
	1974		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND			
CEBU	1961					JA SOND		
CHAMBON-LA-FORET	1936		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1939		JFMA MJJA SOND					
	1940	X	JFMA MJJA SOND					
	1941	X	JFMA MJJA SOND					
	1942	X	JFMA MJJA SOND					
	1943	X	JFMA MJJA SOND					
	1944	X	JFMA MJJA SOND					
	1945	X	JFMA MJJA SOND					
	1946	X	JFMA MJJA SOND					
	1947	X	JFMA MJJA SOND					
	1948	X	JFMA MJJA SOND					
	1949	X	JFMA MJJA SOND					
	1950	X	JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		JA SOND
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X				JFMA MJJA SOND		
	1966	X				JFMA MJJA SOND		
	1967	X				JFMA MJJA SOND		
	1968	X				JFMA MJJA SOND		
	1969					JFMA MJJA SOND		
	1970					JFMA MJJA SOND		
	1971					JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
	1973					JFMA MJJA SOND		
CHA-PA	1957		SOND			A SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
CHA-PA (cont'd)	1959		JFMA MJJA SOND			JFMA MJJA SOND		
CHARCOT	1957	X	MJJA SOND					
	1958	X	JF A SOND					
CHELTENHAM	1901		A MJJA SOND	A MJJA SOND		A MJJA SOND		
	1902		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1903		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1904		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1905		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1906		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1907		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1908		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1909		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1910		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1911		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1912		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1913		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1914		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1915		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1916		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1917		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1918		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1919		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1920		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1921		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1922		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1923		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1924		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1925		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1926		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1927		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1928		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1929		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1930		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1931		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1932		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1933		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1934		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1935		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1936		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1937	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1938	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1939	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1940	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1941	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1942	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1943	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1944	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1945	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1946	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1947	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1948	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1949	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1950	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
CHELTENHAM (cont'd)	1951	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1952	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1953	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1954	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1955	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1956	X	JFMA MJJA S	JFMA MJJA S		JFMA MJJA S		
CHESTERFIELD INLE	1932		SOND					
	1933		JFMA MJJA					
CHICLAYO	1957		A SOND			A SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959		JFMA MJJA SOND			JFMA MJJA SOND		
	1960		JF			JF		
CHIMBOTE	1957		OND			OND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959		JFMA MJJA SOND			JFMA MJJA SOND		
	1960		J			J		
CHRISTCHURCH	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1932		JFMA MJJA SOND					
	1933		JFMA MJJA SOND					
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1939		JFMA MJJA SOND					
COIMBRA	1921		JFMA MJJA SOND					
	1922		JFMA MJJA SOND					
	1923		JFMA MJJA SOND					
	1924		JFMA MJJA SOND					
	1925		JFMA MJJA SOND					
	1926		JFMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1939		JFMA MJJ					
	1940		JFMA MJJA SOND					
	1941		JFMA MJJA SOND					
	1951		OND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND					
	1958	X	JFMA MJJA SOND					
	1959	X	JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
COIMBRA (cont'd)	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1966	X	JFMA MJJA SOND					
	1967	X	JFMA MJJA SOND					
	1968	X	JFMA MJJA SOND					
	1969	X	JFMA MJJA SOND					
	1970	X	JFMA MJJA SOND					
	1971	X	JFMA MJJA SOND					
	1972	X	JFMA MJJA SOND					
	1973	X						
	1974	X						
COLLEGE	1932		OND					
	1933		JFMA MJJA SOND					
	1934		JFM					
	1941	X				JA SOND		
	1942	X				JFMA MJJA SOND		
	1943	X				JFMA MJJA SOND		
	1944	X				JFMA MJJA SOND		
	1945	X				JFMA MJJA SOND		
	1946	X				JFMA MJJA SOND		
	1947	X				JFMA MJJA SOND		
	1948	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1949	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1950	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1951	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1952	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1953	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1954	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1955	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JA SOND
	1956	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1957	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1959	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1960	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1962	X	JFMA MJJA SOND	JFMA MJJA SOND	OND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1963	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA M SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1972	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1973	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1974	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
COLLMBERG	1954	X						

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
COLLMBERG	1955	X						
(cont'd)	1956	X						
	1957	X						
	1958	X						
	1959	X						
	1960	X						
	1961	X						
	1962	X						
	1963	X						
	1964	X						
	1965	X						
	1966	X						
	1967	X						
COPENHAGEN	1892		A MJJA SOND					
	1893		JFMA MJJA SOND					
	1894		JFMA MJJA SOND					
	1895		JFMA MJJA SOND					
	1896		JFMA MJJA SOND					
	1897		JFMA MJJA SOND					
	1898		JFMA MJJA SOND					
	1899		JFMA MJJA SOND					
	1900		JFMA MJJA SOND					
CUZCO	1965					OND		
	1966					JFMA M		
DALLAS	1964		JFMA MJJA SOND	JFMA MJJA SOND	J	JFMA MJJA SOND		
	1965		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFM	JFM	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND	MA MJJA SOND	JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1973	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1974	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJ	JFMA MJJA SOND		
DAR ES SALAAM	1972					MA MJ		
DAVAO	1965					A MJJA SOND		
	1966					JFMA MJJA SOND		
	1967					JFMA MJJA SOND		
	1968		JFMA MJJA SOND			JFMA MJJA SOND		
	1969		JFMA MJJA SOND			JFMA MJJA SOND		
	1970		JFMA MJJA SOND			JFMA MJJA SOND		
	1971		JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		
	1974		JFMA MJJA SOND			JFMA MJJA SOND		
DE BILT	1903		JFMA MJJA SOND					
	1904		JFMA MJJA SOND					
	1905		JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
DE BILT	1906		JFMA MJJA SOND					
(cont'd)	1907		JFMA MJJA SOND					
	1908		JFMA MJJA SOND					
	1909		JFMA MJJA SOND					
	1910		JFMA MJJA SOND					
	1911		JFMA MJJA SOND					
	1912		JFMA MJJA SOND					
	1913		JFMA MJJA SOND					
	1914		JFMA MJJA SOND					
	1915		JFMA MJJA SOND					
	1916		JFMA MJJA SOND					
	1917		JFMA MJJA SOND					
	1918		JFMA MJJA SOND					
	1919		JFMA MJJA SOND					
	1920		JFMA MJJA SOND					
	1921		JFMA MJJA SOND					
	1922		JFMA MJJA SOND					
	1923		JFMA MJJA SOND					
	1924		JFMA MJJA SOND					
	1925		JFMA MJJA SOND					
	1926		JFMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1932		JFMA MJJA SOND					
	1933		JFMA MJJA SOND					
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
DIXON ISLAND	1955	X						
	1956	X						
	1957	X	JA SOND			JA SOND	JA SOND	
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1972	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1973	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1974	X				JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
DOMBAS	1940	X						
	1941	X						
	1942	X						
	1943	X						
	1944	X						
	1945	X						
	1946	X						
	1947	X						
	1948	X						
	1949	X						
	1950	X						
	1951	X						
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND					
	1958	X	JFMA MJJA SOND					
	1959	X	JFMA MJJA SOND					
	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JJA S	JJA S	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973	X				JFMA MJJA SOND		
	1974	X				JFMA MJJA SOND		
DOURBES	1955	X						
	1956	X						
	1957	X	JFMA MJJA SOND			JA SOND		SOND
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973	X	JFMA MJJA SOND			JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
DOURBES (cont'd)	1974		JFMA MJ			JFMA MJ		
DUMONT D URVILLE	1957	X	A MJJA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1967	X				JFMA MJJA SOND		
	1968	X				JFMA MJJA SOND		
	1969	X				JFMA MJJA SOND		
	1970					JFMA MJJA SOND		
	1971					JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
EBRO	1910		JFMA MJJA SOND					
	1911		JFMA MJJA SOND					
	1912		JFMA MJJA SOND					
	1913		JFMA MJJA SOND					
	1914		JFMA MJJA SOND					
	1915		JFMA MJJA SOND					
	1916		JFMA MJJA SOND					
	1917		JFMA MJJA SOND					
	1918		JFMA MJJA SOND					
	1919		JFMA MJJA SOND					
	1920		JFMA MJJA SOND					
	1921		JFMA MJJA SOND					
	1922		JFMA MJJA SOND					
	1923		JFMA MJJA SOND					
	1924		JFMA MJJA SOND					
	1925		JFMA MJJA SOND					
	1926		JFMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA M JA SOND					
	1931		JFMA MJ OND					
	1932		JFMA MJJA SOND					
	1933		A MJJA SOND					
	1934		JFM JA SOND					
	1935		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1942	X						
	1943	X						
	1944	X						
	1945	X						
	1946	X						
	1947	X						
	1948	X						
	1949	X						
	1950	X						

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
EDRO (cont'd)	1951	X						
	1952	X						
	1953	X						
	1954	X						
	1955	X						
	1956	X						
	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND					
	1960	X						
	1961	X						
	1962	X						
	1963	X						
	1964	X				JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SO	JFMA MJJA SO	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	S	S	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973	X	JFMA MJJA SOND			JFMA MJJA SOND		
EIELSON AFB	1966					SOND		
	1967					JFMA MJJA SOND		
	1968					JFMA MJJA SOND		
	1969					JFMA MJJA SOND		
	1970					JFMA MJJA SOND		
	1971					JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
	1973					JFMA MJJA SOND		
	1974					JFMA MJJA SOND		
EIGHTS	1963	X	JJA SOND			JJA SOND		
	1964	X	JFMA MJJA SOND	SOND	SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SO	JFMA MJJA S	JFMA MJJA S	JFMA MJJA SO		JFMA MJJA SO
ELIZABETHVILLE	1932		ND					
	1933		JFMA MJJA SOND					
	1934		JFMA MJJA S					
	1938		JFMA MJJA SOND					
	1939		JFMA MJJA SOND					
	1940		JFMA MJJA SOND					
	1941		JFMA MJJA SOND					
	1942		JFMA MJJA SOND					
	1643		JFMA MJJA SOND					
	1944		JFMA MJJA SOND					
	1945		JFMA MJJA SOND					
	1957	X						
	1958	X						
	1959	X						
ESKDALEMUIR	1911		JFMA MJJA SOND					
	1912		JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
ESKDALEMUIR (cont'd)	1913		JFMA MJJA SOND					
	1914		JFMA MJJA SOND					
	1915		JFMA MJJA SOND					
	1916		JFMA MJJA SOND					
	1917		JFMA MJJA SOND					
	1918		JFMA MJJA SOND					
	1919		JFMA MJJA SOND					
	1920		JFMA MJJA SOND					
	1921		JFMA MJJA SOND					
	1922		JFMA MJJA SOND					
	1923		JFMA MJJA SOND					
	1924		JFMA MJJA SOND					
	1925		JFMA MJJA SOND					
	1926		JFMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1932		JFMA MJJA SOND					
	1933		JFMA MJJA SOND					
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1939		JFMA MJJA SOND					
	1940	X	JFMA MJJA SOND					
	1941	X	JFMA MHJA SOND					
	1942	X	JFMA MHJA SOND					
	1943	X	JFMA MHJA SOND					
	1944	X	JFMA MJJA SOND					
	1945	X	JFMA MJJA SOND					
	1946	X	JFMA MJJA SOND					
	1947	X	JFMA MJJA SOND					
	1948	X	JFMA MJJA SOND					
	1949	X	JFMA MJJA SOND					
	1950	X	JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND	J SO	
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND	FM MJJ S N	
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA M JA S D	
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND	MA MJJA SOND	
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJ SOND	
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND	MJJA OND	
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND	JFM MJJ OND	
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	FMA JJ SOND	JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJ SOND	JFMA MJJA SOND
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA S ND	
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
ESKDALEMUIR (cont'd)	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969		JFMA MJJA SOND			JFMA MJJA SOND		
	1970		JFMA MJJA SOND			JFMA MJJA SOND	F A A OND	
	1971		JFMA MJJA SOND			JFMA MJJA SOND	J J A D	
	1972		JFMA MJJA SOND			JFMA MJJA SOND	M MJJA ON	
	1973		JFMA MJJA SOND			JFMA MJJA SOND	FMA M J D	
	1974		JFMA MJ			JFMA MJ	J M	
ESPANOLA	1957		JA SOND			JA SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959		J			J		
FANNING ISLAND	1957		JA SOND	JA SOND		JA SOND		
	1958		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
FORT CHURCHILL	1957		JA SOND			JA SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959					JFMA MJJA SOND		
	1960					JFMA MJJA SOND		
	1961					JFMA MJJA SOND		
	1962					JFMA MJJA SOND		
	1963					JFMA MJJA SOND		
	1964		JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND		
	1965		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1967		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1968		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1969		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1970		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1971		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1972		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1973		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1974					JFMA MJJA SOND		
FORT RAE	1932		A SOND					
	1933		JFMA MJJA					
FORT YUKON	1957		JA OND			JA OND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1968					FM		
	1973					FMA		
FREDERICKSBURG	1956	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1957	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JJA SOND
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1959	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1960	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND	A SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1962	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1963	X	JFMA MJJA SOND	JFMA MJJA SOND	ND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
FREDERICKSBURG (cont'd)	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND	JFM D	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND	JF	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1972	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1973	X	JFMA MJJA SOND	JFMA MJJA SOND	MJJA	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1974	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
FREETOWN	1961		JA SOND			JA SOND		
	1962		JFMA MJJA SOND			JFMA MJJA SOND		
	1963		JFMA MJJA SOND			JFMA MJJA SOND		
	1964		JFMA MJJA SOND			JFMA MJJA SOND		
	1965		JFMA MJ			JFMA MJJA SOND		
	1966					JFMA MJJA SOND		
	1967					JF J		
FUQUENE	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND	A SOND	A SOND	JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJ	JFMA MJ	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	A SO D	A SO D	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JF A MJ	JF A MJ	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JA SO	JA SO	JFMA MJJA SOND		
	1970		JFMA MJJA SOND			JFMA MJJA SOND		
	1971		JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		
	1974		JFMA MJ			JFMA MJ		
FURSTENFELDBRUCK	1944		JFMA MJJA SOND					
	1945		JFMA MJJA SOND					
	1946		JFMA MJJA SOND					
	1947		JFMA MJJA SOND					
	1948	X	JFMA MJJA SOND					
	1949	X	JFMA MJJA SOND					
	1950	X	JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X						
	1955	X						
	1956	X						
	1957	X	JFMA MJJA SOND					
	1958	X	JFMA MJJA SOND					
	1959	X	JFMA MJJA SOND					
	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
FURSTENFELDBRUCK (cont'd)	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	JFMA MJ SO	JFMA MJ SO	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA O	JFMA O	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JJA S	JJA S	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		
	1974		JFMA MJJA SOND			JFMA MJJA SOND		
GELANIA	1973					ND		
	1974					JF		
GILLAM	1973					MJJA ON		
GJOAHAVN	1903		ND					
	1904		JFMA MJJA SOND					
	1905		JFMA M					
GLENLEA	1973					MJJA SOND		
GNANGARA	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND	SOND		JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND	A SOND	A SOND	JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JFM JA SO	JFM JA SO	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND	JFM	JFM	JFMA MJJA SOND		
	1971	X				JFMA MJJA SOND		
	1972	X				JFMA MJJA SOND		
	1973	X				JFMA MJJA SOND		
	1974	X				JFMA MJJA SOND		
GODHAVN	1926		FMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1932		JFMA MJJA SOND					
	1933		JFMA MJJA SOND					
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1939		JFMA MJJA SOND					
	1940		JFMA MJJA SOND					
	1941		JFMA MJJA SOND					
	1942		JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
GODHAVN (cont'd)	1943	X	JFMA MJJA SOND					
	1944	X	JFMA MJJA SOND					
	1945	X	JFMA MJJA SOND					
	1946	X	JFMA MJJA SOND					
	1947	X	JFMA MJJA SOND					
	1948		JFMA MJJA SOND					
	1949		JFMA MJJA SOND					
	1950		JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND	JA SOND	
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	M	M	JFMA MJJA SOND	JFMA MJJA SOND	
	1967	X	JFMA MJJA SOND	SO D	SO D	JFMA MJJA SOND	JFMA MJJA SOND	
	1968	X	JFMA MJJA SOND	JF A MJ	JF A MJ	JFMA MJJA SOND	JFMA MJJA SOND	
	1969	X	JFMA MJJA SOND	JA SO	JA SO	JFMA MJJA SOND	J A M O	
	1970	X	JFMA MJJA SOND	M	M	JFMA MJJA SOND	MA MJJA D	
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND	J A MJJA SOND	
	1972	X				JFMA MJJA SOND	JFMA MJJA S	
	1973	X				JFMA MJJA SOND	J M MJJA SO	
	1974					JFMA MJJA SOND		
G GONZALES VIDELA	1961		MA MJJA SOND			MA MJJA SOND		
GOTTINGEN	1957					JA SOND		
	1958					JFMA MJJA SOND		
GREAT WHALE RIVER	1965		S OND	SOND	SOND	JFM SOND		JFM SOND
	1966		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1967		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1968		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1969		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1970		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1971		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1972		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJ
	1973		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1974					JFMA MJJA SOND		
GREENWICH	1916		JFMA MJJA SOND					
	1917		JFMA MJJA SOND					
	1918		JFMA MJJA SOND					
	1919		JFMA MJJA SOND					
	1920		JFMA MJJA SOND					
	1921		JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
GREENWICH (cont'd)	1922		JFMA MJJA SOND					
	1923		JFMA MJJA SOND					
	1924		JFMA MJJA SOND					
	1925		JFMA MJJA SOND					
	1926		JFMA M					
GROCKA	1958	X	JFMA MJ			JFMA MJJA SOND		
	1964	X						
	1965	X						
	1966	X						
	1967	X						
	1968	X						
GUAM	1957		JA SOND	JA SOND		JA SOND		JA SOND
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1959	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1960	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND	A SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1962	X	JFMA MJJA SOND	JFMA MJJA SOND	OND	JFMA MJJA SOND		JFMA MJJA SOND
	1963	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA	JFMA MJJA SOND		JFMA MJJA SOND
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND	JFM	JFMA MJJA SOND		JFMA MJJA SOND
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1972	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1973	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1974	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
HACHIJO	1967		JJA SOND					
	1968		JFMA MJJA SOND					
	1969		JFMA MJJA SOND			JFMA MJJA SOND		
	1970		JFMA MJJA SOND			JFMA MJJA SOND		
	1971		JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND					
	1973		JFMA MJJA SOND					
HALLEY BAY	1957	X	MJJA SOND	MJJA SOND		JA SOND		
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
HARTLAND	1957	X	JFMA MJJA SOND	JFMA MJJA SOND		JA SOND		
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	J	
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
HARTLAND	1963	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	S	
(cont'd)	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	FMA MJJA SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA M A O	JFMA MJJA SOND	M	
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	J	
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	A M	
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	MA J A	
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	MJ A	
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND	J A D	
	1973	X	JFMA MJJA SOND			JFMA MJJA SOND	F A M JA SO	
	1974	X	JFMA MJJA SOND			JFMA MJJA SOND		
HAVANA	1964	X	A SOND			A SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	SO D	SO D	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JF A MJ	JF A MJ	JFMA MJJA SOND		
HEALY	1957		JA SOND			JA SOND	JA SOND	JA SOND
	1958		JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1959					J	J	J
HEARD ISLAND	1952	X	MA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954		JFMA MJJA SO					
HEISS ISLAND	1958	X	JA SOND			JA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND	JA SOND	
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND	SOND	
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND	ND	
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	OND	JFMA MJJA SOND	JFMA MJJA SOND	
	1966	X	JFMA MJJA SOND	JFM JJ ND	JFM JJ ND	JFMA MJJA SOND	JFMA MJJA SOND	
	1967	X	JFMA MJJA SOND	A SO	A SO	JFMA MJJA SOND	JFMA MJJA SOND	
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1970	X				JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X				JFMA MJJA SOND		
HEL	1957	X				JA SOND		
	1958	X				JFMA MJJA SOND		
	1959	X				JFMA MJJA SOND		
	1960	X						
	1961	X				JFMA MJJA SOND		
	1962	X						
	1963	X						
	1964	X				JFMA MJJA SOND		
	1965	X						
	1966	X						
	1967	X						
	1968	X						

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
HEL (cont'd)	1969	X						
	1970	X						
	1971	X						
	1972	X						
	1973	X						
	1974	X						
HELWAN	1947		JFMA MJJA SOND					
	1948		JFMA MJJA SOND					
	1949		JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND					
	1958	X	JFMA MJJA SOND					
	1959	X	JFMA MJJA SOND					
	1960	X						
HERMANUS	1941	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1942	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1943	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1944	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1945	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1946	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1947	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1948	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1949	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1950	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1951	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1952	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1953	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1954	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1955	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1956	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1957	X	JFMA MJJA SOND	JFMA MJJA SOND		JA SOND		JA SOND
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1959	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1960	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	FMA JJA S	FMA JJA S	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND	JFM	JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1973	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1974	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
HOLLANDIA	1957	X	JA SOND			JA SOND		JA S
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
HOLLANDIA	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
(cont'd)	1962	X	JFMA MJJA			JFMA MJJA		
HONG KONG	1971		ND			ND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973					JFMA MJJA SOND		
HONOLULU	1902		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1903		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1904		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1905		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1906		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1907		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1908		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1909		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1910		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1911		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1912		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1913		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1914		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1915		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1916		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1917		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1918		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1919		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1920		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1921		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1922		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1923		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1924		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1925		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1926		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1927		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1928		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1929		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1930		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1931		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1932		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1933		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1934		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1935		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1936		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1937		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1938	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1939	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1940	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1941	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1942	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1943	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1944	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1945	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1946	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1947	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1948	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1949	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
HONOLULU (cont'd)	1950	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1951	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1952	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1953	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1954	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1955	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1956	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1957	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JA SOND
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1959	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1960	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND	A SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1962	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1963	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND	JFM	JFMA MJJA SOND		JFMA MJJA SOND
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1972	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1973	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1974	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
HUANCAYO	1922		MA MJJA SOND					
	1923		JFMA MJJA SOND					
	1924		JFMA MJJA SOND					
	1925		JFMA MJJA SOND					
	1926		JFMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1932		JFMA MJJA SOND					
	1933		JFMA MJJA SOND					
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937	X	JFMA MJJA SOND					
	1938	X	JFMA MJJA SOND					
	1939	X	JFMA MJJA SOND					
	1940	X	JFMA MJJA SOND					
	1941	X	JFMA MJJA SOND					
	1942	X	JFMA MJJA SOND					
	1943	X	JFMA MJJA SOND					
	1944	X	JFMA MJJA SOND					
	1945	X	JFMA MJJA SOND					
	1946	X	JFMA MJJA SOND					
	1947	X	JFMA MJJA SOND					
	1948	X	JFMA MJJA SOND					
	1949	X	JFMA MJJA SOND					
	1950	X	JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
HUANCAYO (cont'd)	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND	D		JA SOND		
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X				JFMA MJJA SOND		
	1963	X				JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1967	X	A SO D	A SO D	A SO D	JFMA MJJA SOND		
	1968	X	JF A MJ	JF A MJ	JF A MJ	JFMA MJJA SOND		
	1969	X	JA SO	JA SO	JA SO	JFMA MJJA SOND		
	1970	X				JFMA MJJA SOND		
	1971	X				JFMA MJJA SOND		
	1972	X				JFMA MJJA SOND		
	1973	X				JFMA MJJ		
	1974	X						
HURBANOVO	1949		JFMA MJJA SOND					
	1950		JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND					
	1958	X	JFMA MJJA SOND					
	1959	X	JFMA MJJA SOND					
	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1966	X	JFMA MJJA SOND					
	1967	X	JFMA MJJA SOND					
	1968	X	JFMA MJJA SOND					
	1969	X	JFMA MJJA SOND					
	1970	X						
	1971	X						
	1972	X						
	1973	X						
	1974	X						
HYDERABAD	1965		JFMA MJJA SON	FM JJA SOND	FM JJA SOND	JFMA MJJA SON		
	1966		JFMA MJJA SOND	J M D	J M D	JFMA MJJA SOND		
	1967		JFMA MJJA SOND			JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
HYDERABAD	1968		JFMA MJJA SOND	JFMA MJ	JFMA MJ	JFMA MJJA SOND		
(cont'd)	1969		JFMA MJJA SOND			JFMA MJJA SOND		
	1970		JFMA MJJA SOND			JFMA MJJA SOND		
	1971		JFMA MJJA SOND			JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
	1973					JFMA MJJA SOND		
IBADAN	1957		JA SOND			JA SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959		JFMA MJJA SOND					
	1964					D		
	1965		O	O	O	JFMA MJJA SOND		
IRKUTSK	1941	X						
	1942	X						
	1943	X						
	1944	X						
	1945	X						
	1946	X						
	1952	X						
	1953	X						
	1954	X						
	1955	X						
	1956	X						
	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	J SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA S	JFMA MJJA S	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	A MJ A SOND	A MJ A SOND	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA MJ	JFMA MJ	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JA SO	JA SO	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1974		JFMA MJJ			JFMA MJJ		
ISLA DE PASCUA	1958					M MJJA ON		
	1960					FMA MJJA SOND		
	1961					JFMA MJJ		
	1963		FMA MJJA SOND			FMA MJJA SOND		
	1964		J	J	J	JFMA MJJA SOND		
IVALO	1957							
	1958					A SOND		
	1959					JFMA MJJA SOND		
						J		
IVIGTUT	1943	X						
	1944	X						
	1945	X						

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
JARVIS ISLAND	1957		A SOND	A SOND		A SOND		
	1958		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
JULIANEHAAB	1932		SOND					
	1933		JFMA MJJA					
	1957					SOND		
	1958					JF		
	1964					MJJA SOND		MJJA SOND
	1965					JFMA M		JFMA M
KAKIOKA	1913		JFMA MJJA SOND					
	1914		JFMA MJJA SOND					
	1915		JFMA MJJA SOND					
	1916		JFMA MJJA SOND					
	1924		FMA MJJA SOND					
	1925		JFMA MJJA SOND					
	1926		JFMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1939		JFMA MJJA SOND					
	1940		JFMA MJJA SOND					
	1941		JFMA MJJA SOND					
	1942	X	JFMA MJJA SOND					
	1943	X	JFMA MJJA SOND					
	1944	X	JFMA MJJA SOND					
	1945	X	JFMA MJJA SOND					
	1946	X	JFMA MJJA SOND					
	1947	X	JFMA MJJA SOND					
	1948	X	JFMA MJJA SOND					
	1949	X	JFMA MJJA SOND					
	1950	X	JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND	JFMA MJJA SOND		JA SOND		JA SOND
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1959	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND	A SOND	JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
KAKIOKA (cont'd)	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1971		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1972		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1973		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1974		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
KANDILLI	1947		SOND					
	1948		JFMA MJJA SOND					
	1949		JFMA MJJA SOND					
	1950		JFMA MJJA SOND					
	1951		JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND					
	1958	X	JFMA MJJA SOND					
	1959	X	JFMA MJJA SOND					
	1960	X						
	1961	X						
	1962	X						
	1963	X						
	1964	X				JFMA MJJA SOND		
	1965	X				JFMA MJJA SOND		
	1966	X						
	1967	X						
	1968	X						
	1969	X						
	1970	X	JFMA MJJA SOND					
	1971	X	JFMA MJJA SOND					
KANOYA	1957		JA SOND			JA SOND		JA SOND
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	M	M	JFMA MJJA SOND		JFMA MJJA SOND
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973					JFMA MJJA SOND		JFMA MJJA SOND
	1974					JFMA MJ		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
KANOZAN	1968		JFMA MJJA SOND					
	1970		JFMA MJJA SOND					
	1971		JFMA MJJA SOND					
KAP TOBIN	1957					OND		
	1958					JFMA MJJA SOND		
	1959					JFMA MJJA		
KARAGANDA	1966	X						
	1967	X						
	1968	X						
	1969	X						
	1970	X						
	1971	X						
KAZAN	1941	X						
	1942	X						
	1943	X						
	1944	X						
	1945	X						
	1946	X						
	1956	X						
	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
KIEV	1958	X	JA SOND			JA SOND		JJA SOND
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		
	1974		JFM			JFM		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
KIRUNA	1957					JA SOND		JA S
	1958					JFMA MJJA SOND		
	1959					J		
	1961					A SOND		
	1962	X	OND	OND	OND	JFMA MJJA SOND	JF A M A O	
	1963	X	JFMA MJJA	JFMA MJJA	JFMA MJJA	JFMA MJJA SOND		JFMA MJJA SOND
	1964	X	SOND	SOND	SOND	JFMA MJJA SOND	ON	JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJ	JFMA MJ	JFMA MJ	JFMA MJJA SOND		JFMA MJJA SOND
	1967	X	SO	SO	SO	JFMA MJJA SOND	JFMA MJJA S ND	JFMA MJJA SOND
	1968	X				JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1969	X				JFMA MJJA SOND	JFMA MJJA S N	JFMA MJJA SOND
	1970	X	J M	J M	J M	JFMA MJJA SOND	JFMA MJJA OND	JFMA MJJA SOND
	1971					JFMA MJJA SOND	JFMA MJ SON	JFMA MJJA SOND
	1972					JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1973					JFMA MJJA SOND	JFMA MJJ SOND	JFMA MJJA SOND
	1974					JFMA MJJA SOND	JFMA M JA S	
KODAIKANAL	1950		JFMA MJJA SOND					
	1951		JFMA MJJA SOND					
	1952		JFMA MJJA SOND					
	1953		JFMA MJJA SOND					
	1954		JFMA MJJA SOND					
	1955		JFMA MJJA SOND					
	1956		JFMA MJJA SOND					
	1957		JFMA MJJA SOND			JA SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959		JFMA MJJA SOND			JFMA MJJA SOND		
	1960		JFMA MJJA SOND					
	1961		JFMA MJJA SOND					
	1962		JFMA MJJA SOND					
	1963		JFMA MJJA SOND			JFMA MJJA SOND		
	1964		JFMA MJJA SOND			JFMA MJJA SOND		
	1965		JFMA MJJA SOND			JFMA MJJA SOND		
	1966		JFMA MJJA SOND			JFMA MJJA SOND		
	1967		JFMA MJJA SOND			JFMA MJJA SOND		
	1968		JFMA MJJA SOND			JFMA MJJA SOND		
	1969		JFMA MJJA SOND			JFMA MJJA SOND		
	1970		JFMA MJJA SOND			JFMA MJJA SOND		
	1971		JFMA MJJA SOND			JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
KONTAGORA	1964					D		
	1965					JFMA MJJA SOND		
KOROR	1957	X	JA SOND	JA SOND		JA SOND		JA SOND
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1964		MJJA SOND	MJJA SOND	MJJA SOND	MJJA SOND		
	1965		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966		JFM	JFM	JFM	JFM		
KOTZEBUE	1957		OND			A SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
KSARA	1949	X						

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
KSARA	1950	X						
(cont'd)	1951	X						
	1952	X						
	1953	X						
	1954	X						
	1955	X						
	1956	X						
	1957	X						
	1958	X						
	1959	X						
	1960	X						
	1961	X						
	1962	X						
	1963	X						
	1964	X				JFMA MJJA SOND		
	1965	X				JFMA MJJA SOND		
	1966	X						
	1967	X						
	1968	X						
	1969	X						
	1970	X						
	1971	X						
	1972	X						
	1973	X						
	1974	X						
KUYPER	1957	X	JFMA MJJA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA		
	1962	X	J					
KZIL-AGACH	1974					M		
LA MADDALENA	1958	X						
	1959	X						
	1960	X						
	1961	X						
	1962	X						
	1963	X						
LA QUIACA	1957		JA SOND					
	1958		JFMA MJJA SOND					
	1963		JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	M	M	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND					
	1970		JFMA MJJA SOND					
L AQUILA	1958	X	OND			MJJA SOND		
	1959	X	JFM			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
L AQUILA (cont'd)	1963	X	JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND					
	1967	X	JFMA MJJA SOND					
	1968	X	JFMA MJJA SOND					
	1969	X	JFMA MJJA SOND					
	1970	X						
	1971	X						
	1972	X						
	1973	X						
	1974	X						
LAS ACACIAS	1964	X				JFMA MJJA SOND		
	1965	X				JFMA MJJA SON		
	1966	X				MA MJJA SOND		
	1967	X				JFMA MJJA SOND		
	1968	X				JFMA MJJA SOND		
	1969	X				JFMA MJJA SOND		
	1970	X				JFMA MJJA SOND		
	1971	X				JFMA MJJA SOND		
	1972	X				JFMA MJJA SOND		
	1973	X				JFMA MJ		
LAZAREV	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JF			JF		
LEADVILLE	1957		JA SOND			JA SOND		
	1958		MJJA SOND			JFMA MJJA SOND		
	1959		J			J		
LEIRVOGUR	1957		A SOND			A SOND		A SOND
	1958		JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1959		JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1960		JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1961		JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1962		JFMA MJJA SOND	OND	OND	JFMA MJJA SOND		JFMA MJJA SOND
	1963		JFMA MJJA SOND	JFMA MJJA	JFMA MJJA	JFMA MJJA SOND		JFMA MJJA SOND
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		A SO D
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1972	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1973	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1974	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
LENINGRAD	1951		JFMA MJJA SOND					
	1952		JFMA MJJA SOND					
	1953		JFMA MJJA SOND					
	1955	X						
	1956	X						

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
LENINGRAD	1957	X	JA SOND			JA SOND		
(cont'd)	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	M	M	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		
	1974		JFMA MJ			JFMA MJ		
LERWICK	1926		JFMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1932		JFMA MJJA SOND					
	1933		JFMA MJJA SOND					
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1939		JFMA MJJA SOND					
	1940	X	JFMA MJJA SOND					
	1941	X	JFMA MJJA SOND					
	1942	X	JFMA MJJA SOND					
	1943	X	JFMA MJJA SOND					
	1944	X	JFMA MJJA SOND					
	1945	X	JFMA MJJA SOND					
	1946	X	JFMA MJJA SOND					
	1947	X	JFMA MJJA SOND					
	1948	X	JFMA MJJA SOND					
	1949	X	JFMA MJJA SOND					
	1950	X	JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND	JA SOND	
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA S D	
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
LERWICK	1962	X	JFMA MJJA SOND			JFMA MJJA SOND	JF A M SOND	
(cont'd)	1963	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJ A SON	
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND	F A MJ A SON	JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	FMA JJ S O	JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	M	M	JFMA MJJA SOND	J M MJJA SOND	
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1969		JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1970		JFMA MJJA SOND	JFM	JFM	JFMA MJJA SOND	JFMA MJJA SOND	
	1971		JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJ S ND	
	1972		JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1973		JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1974		JFMA MJ			JFMA MJ	JFMA MJ	
LITTLE AMERICA	1957	X	JA SOND	JA SOND		JA SOND		JA SOND
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
LOGRONO	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	M	M	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1974	X				JFMA MJJA SOND		
LORING AFB	1966					OND		
	1967					JFMA MJJA SOND		
	1968					JFMA MJJA SOND		
	1969					JFMA MJJA SOND		
	1970					JFMA MJJA SOND		
	1971					JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
	1973					JFMA MJJA SOND		
	1974					JFMA MJJA SOND		
LOURENCO MARQUES	1964	X						
	1965	X						
	1966	X						
	1967	X						
	1968	X						
	1969	X						
	1970	X						
	1971	X						

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
LOVO	1928		FMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1932		JFMA MJJA SOND					
	1933		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1939		JFMA MJJA SOND					
	1940	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1941	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1942	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1943	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1944	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1945	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1946	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1947	X	JFMA MJJA SOND					
	1948	X	JFMA MJJA SOND					
	1949	X	JFMA MJJA SOND					
	1950	X	JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		JA SOND
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JA SO		
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	A MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	M	JFMA MJJA SOND		JFMA MJJA SOND
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1969		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1970		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1971		JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		
	1974		JFMA MJJA SOND			JFMA MJJA SOND		
LOVOZERO	1957							A SOND
	1958							JFMA MJJA SOND
	1959							JFMA MJJA SOND
	1960							JFMA MJJA SOND
	1964							JFMA MJJA SOND
	1965							JFMA MJJA SOND
	1966							JA SOND
	1967							JFMA MJJA SOND

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
LOVOZERO (cont'd)	1968							JFMA MJJA SOND
	1969							JFMA MJJA SOND
	1970							JFMA MJJA SOND
	1972							OND
	1973							A MJJA S
LUANDA	1957	X	A SOND					
	1958	X	JFMA MJJA SOND					
	1959	X						
	1960	X						
	1961	X						
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1966	X	JFMA MJJA SOND					
	1967	X	JFMA MJJA SOND	SO	SO	SO		
	1968	X	JFMA MJJA SOND					
	1969	X	JFMA MJJA SOND					
	1970	X	JFMA MJJA SOND					
	1971	X	JFMA MJJA SOND					
	1972	X						
	1973	X						
	1974	X						
LUNPING	1965	X	JA SOND			JA SOND		
	1966	X	JFMA MJJA SOND					
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970		JFMA MJJA SOND			JFMA MJJA SOND		
	1971		JFMA MJJA SOND			JFM		
	1972							
	1973		J					
	1974	X	JFMA MJJA ON					
LVOV	1955	X						
	1956	X						
	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
LVOV (cont'd)	1974		JFM			JFM		
LWIRO	1958	X	JA SOND					
	1959	X	JFMA MJJA SOND					
	1960	X	JFMA MJJA SOND					
	1961		J A SOND					
	1962							
	1963		MJJA SOND					
	1964		JFMA MJJA SO	JFMA MJJA SO		JFMA MJJA SO		
	1965		MA MJJA SOND	MA MJJA SOND		MA MJJA SOND		
	1966		JFMA MJJA SOND					
	1967		JFMA MJJA SOND					
	1968		JFMA MJJA SOND					
	1969		JFMA MJJA SOND					
	1970		JFMA MJJA SOND					
MACQUARIE ISLAND	1950		A SOND					
	1951		JFMA					
	1952	X	A MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X						
	1956	X						
	1957	X				JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X				JFMA MJJA SOND		
	1960	X				JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND	OND	OND	JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND	JFMA MJJA	JFMA MJJA	JFMA MJJA SOND		JFMA MJJA SOND
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	JFM	JFM SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1967	X	JFMA MJJA SOND	SO	SO	JFMA MJJA SOND		JFMA MJJA SOND
	1968	X	JFMA	JFMA	JFMA	JFMA MJJA SOND		JFMA MJJA SOND
	1969	X				JFMA MJJA SOND		JFMA MJJA SOND
	1970	X				JFMA MJJA SOND		JFMA MJJA SOND
	1971	X				JFMA MJJA SOND		JFMA MJJA SOND
	1972	X				JFMA MJJA SOND		JFMA MJJA SOND
	1973	X				JFMA MJJA SOND		JFMA MJJA SOND
	1974	X				JFMA MJJA SOND		JFMA MJJA SON
MAGADAN	1967	X						
	1968	X						
	1969	X						
	1970	X						
	1971	X						
MAGALLANES	1933		JFMA MJJA					
MAJURO	1964					SOND		
	1965					JFMA MJJA SOND		
	1966					JF		
MANHAY	1932		SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
MANHAY	1933		JFMA MJJA					
(cont'd)	1940	X						
	1941	X						
	1942	X						
	1943	X						
	1947	X						
	1948	X						
	1949	X						
	1950	X						
	1951	X						
	1952	X						
	1953	X						
	1954	X						
	1955	X						
	1956	X						
	1957	X				JA SOND		
	1958	X				JFMA MJJA SOND		
	1959	X						
	1960	X						
	1961	X						
	1962	X						
	1963	X						
	1964	X						
	1965	X						
	1966	X						
	1967	X						
	1968	X						
MANILA	1900		JA SOND					
	1901		JFMA MJJA SOND					
	1902		JFMA MJJA SOND					
	1903		JFMA MJJA SOND					
	1904		JFMA MJJA SOND					
MAURITIUS	1916		JFMA MJJA SOND					
	1917		JFMA MJJA SOND					
	1918		JFMA MJJA SO					
	1919		JFMA MJJA SOND					
	1920		JFMA MJJA SOND					
	1921		JFMA MJJA SOND					
	1922		JFMA MJJA SOND					
	1923		JFMA MJJA SOND					
	1924		JFMA MJJA SOND					
	1925		JFMA MJJA SOND					
	1926		JFMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1932		JFMA MJJA SOND					
	1933		JFMA MJJA					
	1934		JJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
MAURITIUS (cont'd)	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1943		JFMA MJJA SOND					
	1944		JFMA MJJA SOND					
	1945		JFMA MJJA SOND					
	1946		JFMA MJJA SOND					
	1947		JFMA MJJA SOND					
	1948		JFMA MJJA SOND					
	1949		JFMA MJJA SOND					
	1950		JFMA MJJA SOND					
	1956	X						
	1957	X						
	1958	X						
	1959	X						
	1960	X						
MAWSON	1952		A MJJA SOND					
	1953		JFMA MJJA SOND					
	1954		JFMA MJJA SOND					
	1955		A SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X				JFMA MJJA SOND		
	1960	X				JFMA MJJA SOND		
	1961	X				JFMA MJJA SOND		
	1962	X				JFMA MJJA SOND		
	1963	X				JFMA MJJA SOND		
	1964	X	SOND	SOND	SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFM SOND	JFMA MJJA SOND		
	1966	X	J	J	J	JFMA MJJA SOND		
	1967	X				JFMA MJJA SOND		
	1968	X				JFMA MJJA SOND		
	1969	X				JFMA MJJA SOND		
	1970	X				JFMA MJJA SOND		
	1971	X						
	1972	X						
	1973	X						
	1974	X						
M BOUR	1952	X	MA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND	JA SOND		JA SOND		
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	OND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
M BOUR (cont'd)	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1969		JFMA MJJA SOND	JFMA MJJA S	JFMA MJJA S	JFMA MJJA SOND		
	1970		JFMA MJJA SOND	M	M	JFMA MJJA SOND		
	1971					JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
	1973					JFMA MJJA SOND		
	1974					JFM		
MEANOOK	1925							
	1926					JFMA MJJA SOND		
	1927					JFMA MJJA SOND		
	1928					JFMA MJJA SOND		
	1929					JFMA MJJA SOND		
	1930					JFMA MJJA SOND		
	1931					JFMA MJJA SOND		
	1932		JFMA MJJA SOND			JFMA MJJA SOND		
	1933		JFMA MJJA SOND			JFMA MJJA SOND		
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1939	X	JFMA MJJA SOND					
	1940	X						
	1941	X				JFMA MJJA SOND		
	1942	X				JFMA MJJA SOND		
	1943	X				JFMA MJJA SOND		
	1944	X				JFMA MJJA SOND		
	1945	X				JFMA MJJA SOND		
	1946	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1947	X				JFMA MJJA SOND		
	1948	X				JFMA MJJA SOND		
	1949	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1950	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	J SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJ	JFMA MJJA SOND		
	1969		JFMA MJJA SOND	JFMA MJJA SOND	JJA S	JFMA MJJA SOND		
	1970		JFMA MJJA SOND	JFM	JFM	JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
MEANOOK	1971		JFMA MJJA SOND			JFMA MJJA SOND		
(cont'd)	1972		J A MJJ			JFMA MJJA SOND		
	1973					JFMA MJJA SOND		
	1974					JFMA MJJA SOND		
MELVILLE AFB	1966					ND		
	1967					JFMA MJJA SOND		
	1968					JFMA MJJA SOND		
	1969					JFMA MJJA SOND		
	1970					JFMA MJJA SOND		
	1971					JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
	1973					JFMA MJJA SOND		
	1974					JFMA MJJA SOND		
MEMAMBETSU	1952	X						
	1953	X						
	1954	X						
	1955	X						
	1956	X						
	1957	X	JFMA MJJA SOND			JA SOND		JA SOND
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	J SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	JFMA MJ	JFMA MJ	JFMA MJJA SOND		JFMA MJJA SOND
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1971		JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973					JFMA MJJA SOND		JFMA MJJA SOND
	1974					JFMA MJ		
MIDWAY	1964					MJJA SOND		
	1965					JFMA MJJA SOND		
	1966					J		
MINSK	1961		JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
MINSK	1973		JFMA MJJA SOND			JFMA MJJA SOND		
(cont'd)	1974		JFMA MJ			JFMA MJ		
MIRNY	1956	X	JA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		A SOND
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	M	M	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	SO	SO	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X				JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X				JFMA MJJA SOND		
MISALLAT	1960	X	A MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND					
	1967	X	JFMA MJJA SOND					
	1968	X	JFMA MJJA SOND					
	1969	X	JFMA MJJA SOND					
	1970	X	JFMA MJJA SOND					
	1971	X	JFMA MJJA SOND					
	1972		JFMA MJJA SOND					
MIZUSAWA	1970		JFMA MJJA SOND					
	1971		JFMA MJJA SOND					
MOCA	1958		OND			OND		
	1959		JFMA MJJA SOND			JFMA MJJA SOND		
	1960		JFMA MJJA SOND					
	1961		JFMA MJJA SOND					
	1962		JFMA MJJA SOND					
	1963		JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	JFMA MJJA S	JFMA MJJA S	JFMA MJJA SOND		JA SOND
	1967	X	JFMA MJJA SOND	SO D	SO D	JFMA MJJA SOND		JA S
	1968	X	JFMA MJJA SOND	JF A MJ	JF A MJ	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JA SO	JA SO	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SON		
MOGADISCIO	1932		A SOND					
	1933		JFMA MJJ					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
MONTE CAPELLINO	1958	X	JA SOND					
	1959	X	JFMA MJJA SOND					
	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
MOSCOW	1945	X						
	1946	X						
	1956	X						
	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		
	1974		JFM			JFM		
MOULD BAY	1961					D		
	1962		JFMA MJJA SOND	A SOND		JFMA MJJA SOND		
	1963		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1964		JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND		
	1965		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1967		JFMA MJJA SOND	JF SO	JF SO	JFMA MJJA SOND		
	1968		JFMA MJJA SOND	JFMA MJJA SO	JFMA MJJA SO	JFMA MJJA SOND		
	1969		JFMA MJJA SOND	JFMA MJJA SOND	JJA SO	JFMA MJJA SOND		
	1970		JFMA MJJA SOND			JFMA MJJA SOND		
	1971		JFMA MJJA SOND			JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
	1973					JFMA MJJA SOND		
	1974					JFMA MJJA SOND		
MOUNT WILSON	1926					JFMA MJJA SOND		
	1927					JFMA MJJA SOND		
	1928					JFMA MJJA SOND		
	1929					JFMA MJJA SOND		
	1930					JFMA MJJA SOND		
	1931					JFMA MJJA SOND		
	1932					JFMA MJJA SOND		
	1933					JFMA MJJA SOND		
	1934					JFMA MJJA SOND		
	1935					JFMA MJJA SOND		
	1936					JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
MOUNT WILSON (cont'd)	1937					JFMA MJJA SOND		
	1938					JFMA MJJA SOND		
	1939					JFMA MJJA SOND		
	1940					JFMA MJJA SOND		
	1941					JFMA MJJA SOND		
	1942					JFMA MJJA SOND		
	1943					JFMA MJJA SOND		
	1944					JFMA MJJA SOND		
	1945					JFMA MJJA SOND		
	1946					JFMA MJJA SOND		
	1947					JFMA MJJA SOND		
	1948					JFMA MJJA SOND		
	1949					JFMA MJJA SOND		
	1950					JFMA MJJA SOND		
	1951					JFMA MJJA SOND		
	1952					JFMA MJJA SOND		
	1953					JFMA MJJA SOND		
	1954					JFMA MJJA SOND		
	1955					JFMA MJJA SOND		
	1956					JFMA MJJA SOND		
	1957					JFMA MJJA SOND		
	1958					JFMA MJJA SOND		
MUNTINLUPA	1953		JFMA M					
	1954		JFMA MJJA SOND					
	1955		JFMA MJJA SOND					
	1956							
	1957		JFMA MJJA SOND			JA SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959		JFMA MJJA SOND			JFMA MJJA SOND		
	1960		JFMA MJJA SOND					
	1961		JFMA MJJA SOND			JFMA MJJA SOND		
	1962		JFMA MJJA SOND			JFMA MJJA SOND		
	1963		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1969		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1970		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1971		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1972		JFMA MJJA SOND					
MURCHISON BAY	1957		A SOND			A SOND		SOND
	1958		JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1959		JFMA MJJ			JFMA MJJ		
MURMANSK	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
MURMANSK (cont'd)	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA	JFMA	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		
	1974		JFMA			JFMA		
NAGYCENK	1958	X						
	1959	X						
	1960							
	1961	X						
	1962	X						
	1963	X						
	1964	X				JFMA MJJA SOND		
	1965	X				JFMA MJJA SOND		
	1966	X						
NAIROBI	1964		FMA MJJA SOND	SOND	SOND	FMA MJJA SOND		
	1965		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966		JFM	JFM	JFM	JFM		
	1967		A M	A M	A M	FMA MJ		
	1968							
	1969		JFMA MJJA SOND					
	1970		JFMA MJJA SOND					
	1971		JFMA MJJA SOND					
	1972		JFMA MJJA SOND					
NANTES	1951	X						
	1952	X						
	1953	X						
	1954	X						
	1955	X						
	1956	X						
	1957	X						
	1958	X						
	1959	X						
NARSSARSSUAQ	1968		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	FM MJ OND	
	1969		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JF M J S N	
	1970		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	M JJ SOND	
	1971		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJ A SOND	
	1972		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	J MA JA SOND	
	1973		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SO D	
	1974					JFMA MJJA SOND	JFMA MJJA SOND	
NEW ALESUND	1974					JFMA M		
NEWPORT	1966		A MJJA SOND	A MJJA SOND	A MJJA SOND	A MJJA SOND		
	1967		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
NEWPORT (cont'd)	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	D	
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1972	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1973	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1974	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
NIEMEGK	1917		JFMA MJJA SOND					
	1918		JFMA MJJA SOND					
	1919		JFMA MJJA SOND					
	1920		JFMA MJJA SOND					
	1921		JFMA MJJA SOND					
	1922		JFMA MJJA SOND					
	1923		JFMA MJJA SOND					
	1924		JFMA MJJA SOND					
	1925		JFMA MJJA SOND					
	1926		JFMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937	X	JFMA MJJA SOND					
	1938	X	JFMA MJJA SOND					
	1939	X	JFMA MJJA SOND					
	1940	X	JFMA MJJA SOND					
	1941	X	JFMA MJJA SOND					
	1942	X	JFMA MJJA SOND					
	1943	X	JFMA MJJA SOND					
	1944	X	JFMA MJJA SOND					
	1945	X						
	1946	X	MA MJJA SOND					
	1947	X	JFMA MJJA SOND					
	1948	X	JFMA MJJA SOND					
	1949	X	JFMA MJJA SOND					
	1950	X	JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
NIEMEGK (cont'd)	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1974	X	JFMA MJJA S			JFMA MJJA S		
NITSANIM	1963		JFMA MJJA SOND					
	1967	X	JFMA MJJA SOND					
	1968		JFMA MJJA SOND					
NORTH POLE 6	1957		JA SOND			JA SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959		JFMA MJJA S			JFMA MJJA S		
NORTH POLE 7	1957		JA SOND			JA SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959		JFM			JFM		
NORTH POLE 8	1959		MJJA SOND			MJJA SOND		
	1960		JFMA MJJA SOND			JFMA MJJA SOND		
	1961		JFMA MJJA SOND			JFMA MJJA SOND		
	1962		JF			JF		
NORTH POLE 10	1961		ND			ND		
	1962		JFMA M			JFMA M		
NORTH POLE 12	1963		MJJA SOND			MJJA SOND		
	1964		JFMA			JFMA		
NORTHWAY	1957		JA SOND			JA SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
NORWAY HOUSE	1973					MJJA SOND		
NORWAY STATION	1961		JFMA MJJA SOND					
	1962		JF					
NOVOKAZALINSK	1965							
	1966	X						
	1967	X						
	1968	X						
	1969	X						
	1970	X						
	1971	X						
	1972							
	1973		A SOND			A SOND		
NOVOLAZAREVSKAYA	1960	X						
	1961	X	FMA MJJA SOND			FMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
NOVOLAZAREVSKAYA (cont'd)	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	SO	SO	JFMA MJJA SOND		
	1968	X				JFMA MJJA SOND		
	1969	X				JFMA MJJA SOND		
	1970	X				JFMA MJJA SOND		
	1971	X				JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
NURMIJARVI	1953	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1954	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1955	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1956	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1957	X	JFMA MJJA SOND	JFMA MJJA SOND		JA SOND		JA SOND
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1959	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1960	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1962	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1963	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	J SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJ SO	JFMA MJJA SOND		JFMA MJJA SOND
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1970	X	JFMA MJJA SOND	M	M	JFMA MJJA SOND		JFMA MJJA SOND
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1973	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1974	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
OASIS	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SON			JFMA MJJA SON		
ODESSA	1955	X						
	1956	X						
	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	A MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SO D	JFMA MJJA SO D	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	SO D	SO D	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JF A MJ	JF A MJ	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JA SO	JA SO	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		
	1974		JFMA MJ			JFMA MJ		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
OGYALLA	1908		JFMA MJJA SOND					
	1909		JFMA MJJA SOND					
	1910		JFMA MJJA SOND					
	1911		JFMA MJJA SOND					
	1912		JFMA MJJA SOND					
	1916		JFMA MJJA SOND					
	1917		JFMA MJJA SOND					
ONAGAWA	1957	X						JA SOND
	1958	X						JFMA MJJA SOND
	1959	X						
ORCADAS DEL SUR	1969	X						
	1970	X						
OTTAWA	1968		JFMA MJJA SOND	JA SOND		JJA SOND		
	1969		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1970		JFMA MJJA SOND	JFM	JFM	JFMA MJJA SOND		
	1971		JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJ			JFMA MJJA SOND		
	1974					JFMA MJJA SOND		
PALMYRA	1957		OND			OND		
	1958		JFMA MJJA		JFMA MJJA			
PANAGYURISHTE	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1966	X	JFMA MJJA SOND					
	1967	X	JFMA MJJA SOND					
	1968	X	JFMA MJJA SOND					
	1969	X	JFMA MJJA SOND					
	1970	X	JFMA MJJA SOND					
	1971	X	JFMA MJJA SOND					
	1972	X	JFMA MJJA SOND					
PARAMARIBO	1957	X				JA SOND		JA SOND
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961		JFMA MJJA SOND			JFMA MJJA SOND		
	1962		JFMA MJJA SOND			JFMA MJJA SOND		
	1963		JFMA MJJA SOND			JFMA MJJA SOND		
	1964		JFMA MJJA SOND	JFMA MJJA SOND	J SOND	JFMA MJJA SOND		
	1965		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966		JFMA MJJA SOND	JFMA MJJ ND	JFMA MJJ ND	JFMA MJJA SOND		
	1967		JFMA MJJA SOND	A SO D	A SO D	JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
PARAMARIBO (cont'd)	1968		JFMA MJJA SOND	JF A MJ	JF A MJ	JFMA MJJA SOND		
	1969		JFMA MJJA SOND	JA SO	JA SO	JFMA MJJA SOND		
	1970		JFMA MJJA SOND			JFMA MJJA SOND		
	1971		JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		
	1974		JFMA MJ					
PENDELI	1959	X						
	1960	X						
	1961	X						
	1962	X						
	1963	X						
	1964	X						
	1965	X				OND		
	1966	X				JFMA MJJA SOND		
	1967	X				JFMA		
	1968	X						
	1969	X						
	1970	X				JFMA MJJA SOND		
	1971	X				JFMA MJJA SOND		
	1972	X				JFMA MJJA SOND		
	1973	X						
	1974	X						
PETROPAVLOVSK	1957							A SOND
	1958							JFMA MJJA SOND
	1959							JFMA MJJA SOND
	1960							JFMA MJJA SOND
	1961							JFMA MJJA SOND
	1962							JFMA MJJA SOND
	1963							JFMA MJJA SOND
	1964							JFMA MJJA SOND
	1965							JFMA A SOND
								JFMA
PETSAMO	1932		A SOND					
	1933		JFMA MJJA					
PILAR	1940	X						
	1941	X	JFMA MJJA SOND					
	1942	X	JFMA MJJA SOND					
	1943	X	JFMA MJJA SOND					
	1944	X	JFMA MJJA SOND					
	1945	X	JFMA MJJA SOND					
	1946	X	JFMA MJJA SOND					
	1947	X	JFMA MJJA SOND					
	1948	X	JFMA MJJA SOND					
	1949	X	JFMA MJJA SOND					
	1950	X	JFMA MJJA SOND					
	1951	X						
	1956	X						
	1957	X	JA SOND	JA SOND				
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1959	X						
	1960		JA SOND			JA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
PILAR	1961		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
(cont'd)	1962		JFMA MJJA SOND			JFMA MJJA SOND		
	1963		JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	OND	JFMA MJJA SOND		
	1965	X	FMA MJJA SOND	MJJA SOND	JJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA MJ	JFMA MJ	JFMA MJJA SOND		
	1969	X				JF		
	1970	X	JFMA MJJA SOND			M		
	1971	X						
PIONERSKAYA	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
PLAISANCE	1956	X						
	1957	X						
	1958	X						
	1959	X						
	1960	X						
	1966					JFMA MJJA SOND		
PLATEAU	1966		FMA MJJA SOND	FMA MJJA SOND		FMA MJJA SOND		
	1967		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1968		JFMA MJJA SON	JFMA MJJA SON		JFMA MJJA SON		
POLA	1892		JFMA MJJA SOND					
	1896		JFMA MJJA SOND					
	1897		JFMA MJJA SOND					
	1898		JFMA MJJA SOND					
	1899		JFMA MJJA SOND					
	1900		JFMA MJJA SOND					
	1901		JFMA MJJA SOND					
	1902		JFMA MJJA SOND					
	1903		JFMA MJJA SOND					
	1904		JFMA MJJA SOND					
	1905		JFMA MJJA SOND					
	1906		JFMA MJJA SOND					
	1907		JFMA MJJA SOND					
	1908		JFMA MJJA SOND					
	1909		JFMA MJJA SOND					
	1910		JFMA MJJA SOND					
	1911		JFMA MJJA SOND					
	1912		JFMA MJJA SOND					
	1913		JFMA MJJA SOND					
	1914		JFMA MJJA SOND					
	1915		JFMA MJJA SOND					
	1916		JFMA MJJA SOND					
	1917		JFMA MJJA SOND					
	1918		JFMA MJJA SOND					
	1919		JFMA MJJA SOND					
	1920		JFMA MJJA SOND					
	1921		JFMA MJJA SOND					
	1922		JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
PORT-AUX-FRANCAIS	1957		OND			OND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	ON	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFM JJ ND	JFM JJ ND	JFMA MJJA SOND		
	1967	X				JFMA MJJA SOND		
	1968	X				JFMA MJJA SOND		
	1969					JFMA MJJA SOND		
	1970					JFMA MJJA SOND		
	1971					JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
	1973					JFMA MJJA SOND		
PORT MORESBY	1958	X	A MJJA SOND			FMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		OND
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1961	X	JFMA MJJA SOND	A SOND	A SOND	JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	J SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1967	X	JFMA MJJA SOND	JFM SO D	JFM SO D	JFMA MJJA SOND		JFMA MJJA SOND
	1968	X	JFMA MJJA SOND	JF A MJ	JF A MJ	JFMA MJJA SOND		JFMA MJJA SOND
	1969	X	JFMA MJJA SOND	JA SO	JA SO	JFMA MJJA SOND		JFMA MJJA SOND
	1970	X	JFMA MJJA SOND	JFM	JFM	JFMA MJJA SOND		JFMA MJJA SOND
	1971	X				JFMA MJJA SOND		JFMA MJJA SO
	1972	X				JFMA MJJA SOND		
	1973	X				JFMA MJJA SOND		
	1974	X				JFMA MJJ		
POTSDAM	1890		JFMA MJJA SOND					
	1891		JFMA MJJA SOND					
	1892		JFMA MJJA SOND					
	1893		JFMA MJJA SOND					
	1894		JFMA MJJA SOND					
	1895		JFMA MJJA SOND					
	1896		JFMA MJJA SOND					
	1897		JFMA MJJA SOND					
	1898		JFMA MJJA SOND					
	1899		JFMA MJJA SOND					
	1900		JFMA MJJA SOND					
	1901		JFMA MJJA SOND					
	1902		JFMA MJJA SOND					
	1903		JFMA MJJA SOND					
	1904		JFMA MJJA SOND					
	1905		JFMA MJJA SOND					
	1906		JFMA MJJA SOND					
	1907		JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
PRICE	1957		JA SOND			JA SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959		J			J		
PRUHONICE	1953	X						
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND					
	1966	X	JFMA MJJA SOND					
	1967	X	JFMA MJJA SOND					
	1968	X	JFMA MJJA SOND					
	1969	X	JFMA MJJA SOND					
	1970	X	JFMA MJJA SOND					
QUETTA	1953		OND					
	1954		JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X						
	1958	X						
	1959	X						
	1960	X						
	1961	X						
	1962	X						
	1963	X						
	1964	X						
	1965	X						
	1966	X						
	1967	X						
	1968	X						
RANKIN INLET	1973					MJJ		
RESOLUTE BAY	1952	X						
	1953	X						
	1954	X						
	1955	X						
	1956							
	1957		JFMA MJJA SOND			JA SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959		JFMA MJJA SOND			JFMA MJJA SOND		
	1960		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1961		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1962		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1963		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1964		JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
RESOLUTE BAY (cont'd)	1965		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJ ND	JFMA MJJA SOND		
	1967		JFMA MJJA SOND	JFMA MJJA SOND	A SOND	JFMA MJJA SOND		
	1968		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJ	JFMA MJJA SOND		
	1969		JFMA MJJA SOND	JFMA MJJA SOND	JJA SO	JFMA MJJA SOND		
	1970		JFMA MJJA SOND	JFM	JFM	JFMA MJJA SOND		
	1971		JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JA			JFMA MJJA SOND		
	1973					JFMA MJJA SOND		
	1974					JFMA MJJA SOND		
ROBURENT	1964	X	S OND	SOND				
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1966	X	JFMA MJJA SOND					
	1967	X	JFMA MJJA SOND					
	1968	X	JFMA MJJA SOND					
	1969	X	JFMA MJJA SOND					
	1970	X	JFMA MJJA SOND					
	1971		JFMA MJJA SOND					
	1972		JFMA MJJA SOND					
	1973		JFMA MJJA SOND					
ROI BAUDOUIN	1958		MJJA SOND					
	1959		JF					
	1964	X	JJA SOND			JJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	FMA MJJA SOND	M	M	JFMA MJJA SOND		
PUDE SKOV	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1932		JFMA MJJA SOND					
	1933		JFMA MJJA SOND					
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1939		JFMA MJJA SOND					
	1940	X	JFMA MJJA SOND					
	1941	X	JFMA MJJA SOND					
	1942	X	JFMA MJJA SOND					
	1943	X	JFMA MJJA SOND					
	1944	X	JFMA MJJA SOND					
	1945	X	JFMA MJJA SOND					
	1946	X	JFMA MJJA SOND					
	1947	X	JFMA MJJA SOND					
	1948	X	JFMA MJJA SOND					
	1949	X	JFMA MJJA SOND					
	1950	X	JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
RUDE SKOV (cont'd)	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	J	JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	M	M	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA	JFMA	JFMA MJJA SOND		
	1969		JFMA MJJA SOND			JFMA MJJA SOND		
	1970		JFMA MJJA SOND	M	M	JFMA MJJA SOND		
	1971		JFMA MJJA SOND			JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
	1973					JFMA MJJA SOND		
	1974					JFMA MJJA SOND		
SABHAWALA	1964		JFMA MJJA SOND					
	1965		JFMA MJJA SOND					
	1966		JFMA MJJA SOND					
	1967		JFMA MJJA SOND					
	1968		JFMA MJJA SOND					
	1969		JFMA MJJA SOND					
	1971		JFMA MJJA SOND					
ST. JOHN≠S	1968		A SOND	A SOND		JA SOND		
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JA SO	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND	M	M	JFMA MJJA SOND		
	1971		JFMA MJJA SOND			JFMA MJJA SOND		
	1972		D			JFMA MJJA SOND		
	1973		J			M		
SANAE STATION	1962		JJA SOND					
	1963		JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1965		JFMA MJJA SOND	JFMA MJJA SOND				
	1966		JFMA MJJA SOND					
	1967		JFMA MJJA SOND					
	1968		JFMA MJJA SOND					
	1970	X	JFMA MJJA SOND					
	1971		JF JJA SOND					
	1972		JFMA MJJA SOND					
SAN FERNANDO	1904		JFMA MJJA SOND					
	1905		JFMA MJJA SOND					
	1906		JFMA MJJA SOND					
	1907		JFMA MJJA SOND					
	1908		JFMA MJJA SOND					
	1909		JFMA MJJA SOND					
	1910		JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
SAN FERNANDO (cont'd)	1911		JFMA MJJA SOND					
	1912		JFMA MJJA SOND					
	1920		JFMA MJJA SOND					
	1921		JFMA MJJA SOND					
	1922		JFMA MJJA SOND					
	1923		JFMA MJJA SOND					
	1924		JFMA MJJA SOND					
	1925		JFMA MJJA SOND					
	1926		JFMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1932		JFMA MJJA SOND					
	1933		JFMA MJJA SOND					
	1934		JFMA MJJA ND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1939		JFMA MJJA SOND					
	1940	X	JFMA MJJA SOND					
	1941	X	JFMA MJJA SOND					
	1942	X	JFMA MJJA SOND					
	1943	X	JFMA MJJA SOND					
	1944	X	JFMA MJJA SOND					
	1945	X	JFMA MJJA SOND					
	1946	X	JFMA MJJA SOND					
	1947	X	JFMA MJJA SOND					
	1948	X	JFMA MJJA SOND					
	1949	X	JFMA MJJA SOND					
	1950	X	JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	M	M	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X				JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
SAN FERNANDO (cont'd)	1973	X				JFMA MJJA SOND		
	1974	X	JFMA MJJA S			JFMA MJJA S		
SAN JUAN	1926		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1927		JFMA MJJ	JFMA MJJ		JFMA MJJ		
	1928		FMA MJJA SOND	FMA MJJA SOND		FMA MJJA SOND		
	1929		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1930		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1931		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1932		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1933		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1934		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1935		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1936		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1937		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1938	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1939	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1940	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1941	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1942	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1943	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1944	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1945	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1946	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1947	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1948	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1949	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1950	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1951	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1952	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1953	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1954	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1955	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1956	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1957	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND	A SOND	JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND	JFMA MJJA SOND	OND	JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		A SOND
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA	JFMA MJJA SOND		JFMA MJJA SOND
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1972	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1973	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1974	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
SAN MIGUEL	1932		A SOND					
	1933		JFMA MJJA					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
SAN MIGUEL (cont'd)	1951	X						
	1952	X						
	1953	X						
	1954	X						
	1955	X						
	1956	X						
	1957	X						
	1958	X						
	1959	X						
	1960	X	JFMA MJJA D					
	1961	X	JF					
	1962	X						
	1963	X						
	1964	X				JFMA MJJA SOND		
	1965	X		ON	ON	JFMA MJJA SOND		
	1966	X						
	1967	X						
	1968	X						
	1969	X						
	1970	X						
	1971	X						
	1972	X						
SCORESBY SUND	1932		D					
	1933		JFMA MJJA					
SCOTT BASE	1957	X	JA SOND			JA SOND		JA SOND
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1959	X						
	1960	X						
	1961	X						
	1962	X						
	1963	X						
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X						
	1967	X						
	1968	X				JFMA MJJA SOND		
	1969	X						
	1970	X						
	1971	X						
	1972	X						
	1973	X						
	1974	X						
SEDDIN	1908		JFMA MJJA SOND					
	1909		JFMA MJJA SOND					
	1910		JFMA MJJA SOND					
	1911		JFMA MJJA SOND					
	1912		JFMA MJJA SOND					
	1913		JFMA MJJA SOND					
	1914		JFMA MJJA SOND					
	1915		JFMA MJJA SOND					
	1916		JFMA MJJA SOND					
SEYAKHA	1973					ND		
	1974					JF		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
SIMFEROPOL	1957							JA SOND
	1958							JFMA MJJA SOND
	1959							JFMA MJJA SOND
SIMOSATO	1954	X	S OND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		JA SOND
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1959	X	JFMA MJJA SOND					
	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1966	X	JFMA MJJA SOND					
	1967	X	JFMA MJJA SOND					
	1968	X	JFMA MJJA SOND					
	1969	X	JFMA MJJA SOND					
	1970	X	JFMA MJJA SOND					
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND					
	1973	X	JFMA MJJA SOND			JFMA MJJA SOND		
SITKA	1902		MA MJJA SOND	MA MJJA SOND		MA MJJA SOND		
	1903		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1904		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1905		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1906		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1907		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1908		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1909		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1910		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1911		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1912		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1913		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1914		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1915		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1916		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1917		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1918		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1919		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1920		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1921		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1922		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1923		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1924		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1925		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1926		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1927		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1928		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1929		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1930		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1931		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
SITKA (cont'd)	1932		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1933		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1934		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1935		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1936		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1937	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1938	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1939	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1940	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1941	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1942	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JA SOND	
	1943	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1944	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1945	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1946	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1947	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1948	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1949	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1950	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1951	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1952	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1953	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1954	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1955	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1956	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	
	1957	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JA SOND
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1959	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1960	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1962	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1963	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA M SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND	JF	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1972	X	JFMA MJJA SOND	JFMA MJJA SOND	A	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1973	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1974	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SON	JFMA MJJA SON
SODANKYLA	1914		JFMA MJJA SOND	JFMA MJJA SOND				
	1915		JFMA MJJA SOND	JFMA MJJA SOND				
	1916		JFMA MJJA SOND	JFMA MJJA SOND				
	1917		JFMA MJJA SOND	JFMA MJJA SOND				
	1918		JFMA MJJA SOND	JF JJA SOND				
	1919		JFMA MJJA SOND	JFMA MJJA SOND				
	1920		JFMA MJJA SOND	JFMA MJJA SOND				
	1921		JFMA MJJA SOND	JFMA MJJA SOND				
	1922		JFMA MJJA SOND	JFMA MJJA SOND				
	1923		JFMA MJJA SOND	JFMA MJJA SOND				
	1924		JFMA MJJA SOND	JFMA MJJA SOND				

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
SODANKYLA (cont'd)	1925		JFMA MJJA SOND	JFMA MJJA SOND				
	1926		JFMA MJJA SOND	JFMA MJJA SOND				
	1927		JFMA MJJA SOND	JFMA MJJA SOND				
	1928		JFMA MJJA SOND	JFMA MJJA SOND				
	1929		JFMA MJJA SOND	JFMA MJJA SOND				
	1930		JFMA MJJA SOND	JFMA MJJA SOND				
	1931		JFMA MJJA SOND	JFMA MJJA SOND				
	1932		JFMA MJJA SOND	JFMA MJJA SOND				
	1933		JFMA MJJA SOND	JFMA MJJA SOND				
	1934		JFMA MJJA SOND	JFMA MJJA SOND				
	1935		JFMA MJJA SOND	JFMA MJJA SOND				
	1936		JFMA MJJA SOND	JFMA MJJA SOND				
	1937		JFMA MJJA SOND	JFMA MJJA SOND				
	1938		JFMA MJJA SOND	JFMA MJJA SOND				
	1939		JFMA MJJA SOND	JFMA MJJA SOND				
	1940	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1941	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1942	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1943		JFMA MJJA SOND	JFMA MJJA SOND				
	1944		JFMA MJJA S	JFMA MJJA S				
	1945		JFMA MJJA SOND	JFMA MJJA SOND				
	1946		JFMA MJJA SOND	JFMA MJJA SOND				
	1947	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1948	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1949	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1950	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1951	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1952	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1953	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1954	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1955	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1956	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1957	X	JFMA MJJA SOND	JFMA MJJA SOND		JA SOND		JA SOND
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJ		JFMA MJJ
	1959	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1960	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1962	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1963	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1968	X	JFMA MJJA SOND	JFMA M	JFMA M	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1969	X	JFMA MJJA SOND	JJA S	JJA S	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1972	X	JFMA MJJA SOND	F	F	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1973	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
	1974	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND
SOUTH POLE	1959	X	JFMA MJJA SON	JFMA MJJA SON		JFMA MJJA SON		
	1960	X	FMA MJJA SOND	FMA MJJA SOND		FMA MJJA SOND		
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND	JFMA MJJA SOND	JFM MJJA	JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
SOUTH POLE (cont'd)	1963	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1964	X	MA MJJA SOND	MA MJJA SOND	MA MJ	MA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1972	X				JFMA MJJA SOND		
	1973	X				JFMA MJJA SOND		
	1974	X				JFMA MJJA SO		
SPITZBERGEN	1932		SOND					
	1933		JFMA MJJA					
SREDNIKAN	1940	X						
	1941	X						
	1943	X						
	1944	X						
	1945	X						
	1946	X						
	1955	X						
	1956	X						
	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJ			JFMA MJ OND		
	1965	X				JFMA MJJA SOND		
	1966	X				JFMA MJJA SO		
	1967							
	1968	X						
STONYHURST	1958					MA MJJA SOND		
	1960	X						
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1967		JFMA MJJA SOND					
SUKKERTOPPEN	1964					JFMA MJJA SOND		JFMA MJJA SOND
	1965		ON	ON	ON	JFMA MJJA SOND		JFMA MJJA SOND
	1966		M	M	M	M		
SURLARI	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
SURLARI (cont'd)	1961	X	JFMA MJJA SOND	A SOND	A SOND	JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	J SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFM	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND	S	
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1974	X	JFMA MJJA			JFMA MJ		
SVERDLOVSK	1939	X						
	1940	X						
	1941	X						
	1942	X						
	1943	X						
	1944	X						
	1945	X						
	1946	X						
	1947	X						
	1955	X						
	1956	X						
	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	J SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	SO D	SO D	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JF A MJJ	JF A MJJ	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JFMA	JFMA	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1974		JFMA MJ			JFMA MJ		
SWIDER	1921		JFMA MJJA SOND					
	1922		JFMA MJJA SOND					
	1923		JFMA MJJA SOND					
	1924		JFMA MJJA SOND					
	1925		JFMA MJJA SOND					
	1926		JFMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
SWIDER (cont'd)	1931		JFMA MJJA SOND					
	1932		JFMA MJJA SOND					
	1933		JFMA MJJA SOND					
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937	X	JFMA MJJA SOND					
	1938	X	JFMA MJJA SOND					
	1939	X	JFMA MJJA SOND					
	1940	X	JFMA MJJA SOND					
	1941	X	JFMA MJJA SOND					
	1942	X	JFMA MJJA SOND					
	1943	X	JFMA MJJA SOND					
	1944	X	JFMA MJJA SOND					
	1945	X	JFMA MJJA SOND					
	1946	X	JFMA MJJA SOND					
	1947	X	JFMA MJJA SOND					
	1948	X	JFMA MJJA SOND					
	1949	X	JFMA MJJA SOND					
	1950	X	JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X						
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1966	X	JFMA MJJA SOND					
	1967	X						
	1968	X						
	1969	X						
	1970	X						
	1971	X						
	1972	X						
	1973	X						
	1974	X						
SYOWA BASE	1959					FMA MJJA SOND		
	1960					J		
	1966					MA MJJA SOND		
	1967	X				J		
	1968	X				FMA MJJA SOND		
	1969	X				JFMA MJJA SOND		
	1970	X				JFMA MJJA SOND		
	1971	X				JFMA MJJA SOND		
	1972	X				JFMA MJJA SOND		
	1973					JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
SYOWA BASE (cont'd)	1974					J		
TAHITI	1958		A MJJA SOND			A MJJA SOND		
	1959		JF			JF		
	1966		M	M	M	FMA MJJA SOND		
	1968	X	JFMA	JFMA	JFMA	JFMA MJJA SOND		
	1969	X	JJA S	JJA S	JJA S	JFMA MJJA SOND		
	1970	X	JFM	JFM	JFM	JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1974	X				JFMA MJJA SOND		
TALARA	1957		JA SOND			JA SOND		
	1958		F MJJA SOND			FMA MJJA SOND		
	1959		JFMA MJJA SOND			JFMA MJJA SOND		
	1960		JF			JF		
TAMANRASSET	1952	X						
	1953	X						
	1954	X						
	1955	X						
	1956	X						
	1957	X				JA SOND		
	1958	X				JFMA MJJA SOND		
	1959	X				JFMA MJJA SOND		
	1960	X						
	1961	X						
	1962	X						
	1963	X						
	1964	X						
	1965	X						
	1966	X						
	1967	X						
	1968	X						
	1969							
	1970	X	JFMA MJJA SOND					
	1971	X						
	1972	X						
	1973	X						
	1974	X						
TAMBEY	1973					ND		
	1974					JF		
TANANARIVE	1950	X						
	1951	X						
	1952	X						
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
TANANARIVE (cont'd)	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	J SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	A SO D	A SO D	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JF A MJ	JF A MJ	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JA SO	JA SO	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND	JFM	JFM	JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1974	X	JFMA MJJA SOND			JFMA MJJA SOND		
TANGERANG	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		A MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	OND	OND	OND		
	1967	X	FMA MJJA SOND	A M SOND	A M SOND	FMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JJA S	JJA S	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X				JFMA MJJA SOND		
	1973	X				JFMA MJJA SOND		
	1974	X				JFMA MJJA SOND		
TASHKENT	1941	X						
	1942	X						
	1943	X						
	1944	X						
	1945	X						
	1946	X						
	1955	X						
	1956	X						
	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JA SOND	JA SOND	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JJA SO	JJA SO	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		
	1974		JFMA MJ			JFMA MJ		
TATUOCA	1933		SOND					
	1934		J					
	1957	X	A SOND			A SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
TATUOCA (cont'd)	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND					
	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X						
	1964		SOND	SOND	SOND	JFMA MJJA SOND		
	1965		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966							
	1967							
	1968					JFMA MJJA SOND		
	1969					JFMA MJJA SOND		
	1970					JFMA MJJA SOND		
TBILISI	1940	X						
	1941	X						
	1942	X						
	1943	X						
	1944	X						
	1945	X						
	1946	X						
	1955	X						
	1956	X						
	1957	X	JA SOND			JA SOND		JA SOND
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		JA SOND
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA M
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	SO D	SO D	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JF A MJ	JF A MJ	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		
	1974		JFMA M			JFMA M		
TEHRAN	1957	X				SO		
	1958	X				FMA MJJA SON		
	1959	X				A SON		
	1960	X						
	1961	X						
	1962	X						
	1963	X						
	1964	X						
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	M	M	JFMA M		
	1967	X	JFMA MJJA SOND	A	A	A		
	1968	X	JFMA MJJA SOND					
	1969	X	JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
TEHRAN (cont'd)	1970		JFMA MJJA SOND					
TENERIFE	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	J SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJ O	JFMA MJJA SOND		
	1966	X	JFMA M	M	M	JFMA M		
	1967	X	JFMA MJJA SOND					
	1968	X	JFMA MJJA SOND					
	1969		JFMA MJJA SOND					
	1970	X	JFMA MJJA SOND					
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		
	1974	X	JFMA M					
TEOLOYUCAN	1951	X						
	1952	X						
	1953	X						
	1954	X						
	1955	X						
	1956	X						
	1957	X				JA SOND		
	1958	X				JFMA MJJA SOND		
	1959	X						
	1960	X						
	1961	X						
	1962	X						
	1963	X						
	1964	X				JJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND					
	1967	X	JFMA MJJA SOND					
	1968	X	JFMA MJJA SOND					
	1969	X	JFMA MJJA SOND					
	1970	X	JFMA MJJA SOND					
	1971	X	JFMA MJJA SOND			M		
	1972	X	JFMA MJJA SOND					
	1973	X						
TERRE ADELIE	1951		A MJJA SOND					
	1952		J					
THOMPSON	1973					JA S ND		
THULE	1932		A SOND					
	1933		JFMA MJJ					
	1955	X						
	1956	X						
	1957	X	JFMA MJJA SOND			JA SOND	JA SOND	JA SOND
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
THULE (cont'd)	1962	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1966	X	JFMA MJJA SOND	M	M	JFMA MJJA SOND	JFMA MJJA SOND	
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1968	X	JFMA MJJA SOND	JFMA D	JFMA D	JFMA MJJA SOND	JFMA MJJA SOND	
	1969		JFMA MJJA SOND			JFMA MJJA SOND	A MJJA	
	1970		JFMA MJJA SOND			JFMA MJJA SOND	M J ND	
	1971					JFMA MJJA SOND	MJJ SO D	
	1972					JFMA MJJA SOND	M MJ A SON	
	1973					JFMA MJJA SOND	A O D	
	1974					JFMA MJJA SOND	JF	
THULE AFB	1966					OND		
	1967					JFMA MJJA SOND		
	1968					JFMA MJJA SOND		
	1969					JFMA MJJA SOND		
	1970					JFMA MJJA SOND		
	1971					JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
	1973					JFM		
TIHANY	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1965	X	JFMA MJJA SOND					
	1966	X	JFMA MJJA SOND					
	1967	X	JFMA MJJA SOND					
	1968	X	JFMA MJJA SOND					
	1969		JFMA MJJA SOND					
	1970		JFMA MJJA SOND					
	1971		JFMA MJJA SOND					
	1972		JFMA MJJA SOND					
TIKHAYA BAY	1955	X						
	1956	X						
	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA			JFMA MJJA		
TIXIE BAY	1955	X						
	1956	X						
	1957	X	JA SOND			JA SOND	JA SOND	
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND	JFMA MJJA SOND	
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
TIXIE BAY (cont'd)	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SONO	SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1967	X	JFMA MJJA SO	JFMA MJJA SO	JFMA MJJA SO	JFMA MJJA SO	JFMA MJJA SOND	
	1968	X	M MJJA SOND	M MJJA SOND	M MJJA SOND	FM MJJA SOND		
	1969	X	JFMA MJJA D	JFMA MJJA D	JFMA MJJA D	JFMA MJJA D		
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1972		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1973		JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	
	1974					JFMA MJJA SOND		
TOKYO	1911		JFMA MJJA SOND					
	1912		JFMA MJJA SOND					
TOLEDO	1948	X						
	1949	X						
	1950	X	JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	J SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	ND	ND	JFMA MJJA SOND		JA SOND
	1967	X	JFMA MJJA SOND	A M SO D	A M SO D	JFMA MJJA SOND		JA S
	1968	X	JFMA MJJA SOND	JF A MJ	JF A MJ	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JA SO	JA SO	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1974	X				JFMA MJ		
TOMSK	1958	X						
	1959	X						
	1960	X						
	1961	X						
	1962	X						
	1963	X						
	1964	X						
	1965	X						
	1966	X						
	1967	X						
	1968	X						

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
TOMSK (cont'd)	1969	X						
	1970	X						
TOOLANGI	1924		JFMA MJJA SOND	JFMA MJJA SOND				
	1925		JFMA MJJA SOND	JFMA MJJA SOND				
	1926		JFMA MJJA SOND	JFMA MJJA SOND				
	1927		JFMA MJJA SOND	JFMA MJJA SOND				
	1928		JFMA MJJA SOND	JFMA MJJA SOND				
	1929		JFMA MJJA SOND	JFMA MJJA SOND				
	1930		JFMA MJJA SOND	JFMA MJJA SOND				
	1931		JFMA MJJA SOND	JFMA MJJA SOND				
	1932		JFMA MJJA SOND	JFMA MJJA SOND				
	1933		JFMA MJJA SOND	JFMA MJJA SOND				
	1941	X						
	1942	X						
	1943	X						
	1944	X						
	1945	X						
	1946	X						
	1947	X						
	1948	X						
	1949	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1950	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1951	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1952	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1953	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1954	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1955	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1956	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1957	X	JFMA MJJA SOND	JFMA MJJA SOND		JA SOND		
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND	A SOND	A SOND	JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	J SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	JFMA M A SO D	JFMA M A SO D	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA MJ	JFMA MJ	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JA SO	JA SO	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND	JFM	JFM	JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1973	X				JFMA MJJA SOND		
	1974	X				JFMA MJJA SOND		
TRELEW	1957	X	SOND			OND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X				JFMA MJJA SOND		
	1963	X				JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
TRELEW (cont'd)	1964	X	J SOND	J SOND	J SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1968	X	JFM	JFM	JFM	JFMA MJJA SOND		
	1969	X				JFMA MJJA SOND		
	1970	X				JFMA MJJA SOND		
	1971	X				JFMA MJJA SOND		
	1972	X				JFMA MJJA S		
	1973	X				ND		
	1974					JFMA		
TRIVANDRUM	1957	X	OND			OND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X				JFMA MJJA SOND		
TROMSO	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1932		JFMA MJJA SOND					
	1933		JFMA MJJA SOND					
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1939		JFMA MJJA SOND					
	1940		JFMA MJJA SOND					
	1941		JFMA MJJA SOND					
	1942		JFMA MJJA SOND					
	1943		JFMA MJJA SOND					
	1944		JFMA MJJA SOND					
	1945		JFMA MJJA SOND					
	1946		JFMA MJJA SOND					
	1947	X	JFMA MJJA SOND					
	1948	X	JFMA MJJA SOND					
	1949	X	JFMA MJJA SOND					
	1950	X	JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
TROMSO (cont'd)	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND					
	1958	X	JFMA MJJA SOND					
	1959	X	JFMA MJJA SOND					
	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X				JFMA MJJA SOND		
	1967	X				JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA	JFMA	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970					JFMA MJJA SOND	M JJA ON	
	1971					JFMA MJJA SOND	JFMA MJJA SOND	
	1972					JFMA MJJA SOND	JFMA MJJA SOND	
	1973					JFMA MJJA SOND	JFMA MJJA SOND	
	1974					JFMA MJJA SOND	JFMA MJJA SOND	
TSUMEB	1964		A SOND	A SOND				
	1965		JFMA MJJA SOND	JFMA MJJA SOND				
TUCSON	1909		ND	ND		ND		
	1910		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1911		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1912		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1913		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1914		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1915		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1916		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1917		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1918		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1919		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1920		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1921		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1922		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1923		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1924		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1925		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1926		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1927		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1928		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1929		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1930		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1931		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1932		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1933		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1934		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1935		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1936		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1937		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1938	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1939	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1940	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
TUCSON (cont'd)	1941	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1942	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1943	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1944	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1945	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1946	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1947	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1948	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1949	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1950	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1951	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1952	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1953	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1954	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1955	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1956	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1957	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JA SOND
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1959	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1960	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1961	X	JFMA MJJA SOND	JFMA MJJA SOND	A SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1962	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1963	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1968	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1969	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND
	1970	X	JFMA MJJA SOND	JFMA MJJA SOND	JF	JFMA MJJA SOND		JFMA MJJA SOND
	1971	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1972	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1973	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1974	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
TULSA	1961					JA SOND		
	1962					JFMA MJJA SOND		
	1963					JFMA MJJA SOND		
	1964					JFMA MJJA SOND		
	1965					JFMA MJJA SOND		
	1966					JFMA MJJA SOND		
	1967					JFMA MJJA SOND		
	1968					JFMA MJJA SOND		
	1969					JFMA MJJA SOND		
	1970					JFMA MJJA SOND		
	1971					JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
	1973					JFMA MJJA SOND		
	1974					JFMA MJJA SOND		
ULAN BATOR	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFM			JFM		
	1970	X	JFM			JFM		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
ULAN BATOR (cont'd)	1971	X						
VALENTIA	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971					JFMA MJJA SOND		
	1972					JFMA MJJA SOND		
VAL JOYEUX	1923		JFMA MJJA OSND					
	1924		JFMA MJJA SOND					
	1925		JFMA MJJA SOND					
	1926		JFMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1932		JFMA MJJA SOND					
	1933		JFMA MJJA SOND					
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
VASSOURAS	1924		JFMA MJJA SOND					
	1925		JFMA MJJA SOND					
	1926		JFMA MJJA SOND					
	1927		JFMA MJJA SOND					
	1928		JFMA MJJA SOND					
	1929		JFMA MJJA SOND					
	1930		JFMA MJJA SOND					
	1931		JFMA MJJA SOND					
	1932		JFMA MJJA SOND					
	1933		JFMA MJJA SOND					
	1934		JFMA MJJA SOND					
	1935		JFMA MJJA SOND					
	1936		JFMA MJJA SOND					
	1937		JFMA MJJA SOND					
	1938		JFMA MJJA SOND					
	1939		JFMA MJJA SOND					
	1940		JFMA MJJA SOND					
	1941		JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
VASSOURAS (cont'd)	1942		JFMA MJJA SOND					
	1943		JFMA MJJA SOND					
	1949		JFMA MJJA SOND					
	1950		JFMA MJJA SOND					
	1951		JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X						
	1955	X						
	1956	X						
	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND	SOND	SOND	JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X						
	1964	X				JFMA MJJA SOND		
	1970					M		
VICTORIA	1956	X						
	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND					
	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND			SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFM	JFM	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973					JFMA MJJA SOND		
	1974					JFMA MJJA SOND		
VIEQUES	1903		A MJJA SOND	A MJJA SOND		A MJJA SOND		
	1904		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1905		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1906		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1907		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1908		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1909		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1910		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1911		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1912		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1913		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1914		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1915		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1916		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1917		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
VIEQUES	1918		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
(cont'd)	1919		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1920		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1921		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1922		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1923		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1924		JFMA MJJA SO	JFMA MJJA SO		JFMA MJJA SO		
VLADIVOSTOCK	1952	X						
	1953	X						
	1954	X						
	1955	X						
	1956	X						
	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	J A MJJA SOND	JFMA MJJA SOND		J A MJJA SOND		
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		
	1974		JF			JF		
VOSTOK	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X						
	1963	X	MJJA SOND			MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND	O	JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	M	M	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X				JFMA MJJA SOND		
	1970	X				JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		
WATHEROO	1919		JFMA MJJA SOND	JFMA MJJA SOND				
	1920		JFMA MJJA SOND	JFMA MJJA SOND				
	1921		JFMA MJJA SOND	JFMA MJJA SOND				
	1922		JFMA MJJA SOND	JFMA MJJA SOND				
	1923		JFMA MJJA SOND	JFMA MJJA SOND				
	1924		JFMA MJJA SOND	JFMA MJJA SOND				
	1925		JFMA MJJA SOND	JFMA MJJA SOND				

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
WATHEROO (cont'd)	1926		JFMA MJJA SOND	JFMA MJJA SOND				
	1927		JFMA MJJA SOND	JFMA MJJA SOND				
	1928		JFMA MJJA SOND	JFMA MJJA SOND				
	1929		JFMA MJJA SOND	JFMA MJJA SOND				
	1930		JFMA MJJA SOND	JFMA MJJA SOND				
	1931		JFMA MJJA SOND	JFMA MJJA SOND				
	1932		JFMA MJJA SOND	JFMA MJJA SOND				
	1933		JFMA MJJA SOND	JFMA MJJA SOND				
	1934		JFMA MJJA SOND	JFMA MJJA SOND				
	1935		JFMA MJJA SOND	JFMA MJJA SOND				
	1936		JFMA MJJA SOND	JFMA MJJA SOND				
	1937	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1938	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1939	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1940	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1941	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1942	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1943	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1944	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1945	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1946	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1947	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1948	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1949	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1950	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1951	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1952	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1953	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1954	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1955	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1956	X	JFMA MJJA SOND	JFMA MJJA SOND				
	1957	X	JFMA MJJA SOND	JFMA MJJA SOND		JA SOND		JA SOND
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1959	X						
WESTON	1960		JA S					
	1961		JFMA MJJA SOND					
	1962		JFMA MJJA SOND					
	1963		JFMA MJJA SOND					
	1964		JFMA MJJA SOND			MA MJJA SOND		
	1965		JFMA MJJA SOND			JFMA MJJA SOND		
	1966		JFMA MJJA SOND			JFMA MJJA SOND		
	1967		JFMA MJJA SOND			JFMA MJJA SOND		
	1968		JFMA MJJA SOND			JFMA MJJA SOND		
	1969		JFMA MJJA SOND					
	1970		JFMA MJJA SOND					
	1971		JFMA MJJA SOND					
	1972		JFMA MJJA SOND					
	1973		JFMA MJJA SOND					
	1974		JFMA MJ					
WIEN-KOBENZL	1956		JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959		JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
WIEN-KOBENZL (cont'd)	1960		JFMA MJJA SOND					
	1961		JFMA MJJA SOND					
	1962		JFMA MJJA SOND					
	1963		JFMA MJJA SOND					
	1964		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965		JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966		JFMA MJJA SOND					
	1967		JFMA MJJA SOND					
	1968		JFMA MJJA SOND					
	1969		JFMA MJJA SOND					
	1970		JFMA MJJA SOND					
	1971		JFMA MJJA SOND					
	1972		JFMA MJJA SOND					
WILKES	1957	X	JA SOND	JA SOND		JA SOND		JA SOND
	1958	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1959	X				JFMA MJJA SOND		JFMA MJJA SOND
	1960	X				JFMA MJJA SOND		JFMA MJJA SOND
	1961	X	A SOND	A SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1962	X				JFMA MJJA SOND		JFMA MJJA SOND
	1963	X				JFMA MJJA SOND		JFMA MJJA SOND
	1964		SOND	SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	J	J		JFMA MJJA SOND		JFMA MJJA SOND
	1967	X				J		
WINGST	1940	X						
	1941	X						
	1942	X						
	1943	X						
	1944	X						
	1945	X						
	1946	X						
	1947	X						
	1948	X						
	1949	X						
	1950	X						
	1951	X						
	1952	X						
	1953	X						
	1954	X						
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND					
	1958	X	JFMA MJJA SOND					
	1959	X	JFMA MJJA SOND					
	1960	X	JFMA MJJA SOND					
	1961	X	JFMA MJJA SOND					
	1962	X	JFMA MJJA SOND					
	1963	X	JFMA MJJA SOND					
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
WINGST (cont'd)	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1973	X				JFMA MJJA SOND		JFMA MJJA SOND
	1974	X						
WITTEVEEN	1939		JFMA MJJA SOND					
	1940	X	JFMA MJJA SOND					
	1941	X	JFMA MJJA SOND					
	1942	X	JFMA MJJA SOND					
	1943	X	JFMA MJJA SOND					
	1944	X	JFMA MJJA SOND					
	1945	X	JFMA JJA SOND					
	1946	X	JFMA MJJA SOND					
	1947	X	JFMA MJJA SOND					
	1948	X	JFMA MJJA SOND					
	1949	X	JFMA MJJA SOND					
	1950	X	JFMA MJJA SOND					
	1951	X	JFMA MJJA SOND					
	1952	X	JFMA MJJA SOND					
	1953	X	JFMA MJJA SOND					
	1954	X	JFMA MJJA SOND					
	1955	X	JFMA MJJA SOND					
	1956	X	JFMA MJJA SOND					
	1957	X	JFMA MJJA SOND			JA SOND		JA SOND
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		JFMA MJJA SOND
	1966	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJJA SOND
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJ OND
	1972	X	JFMA MJJA SOND			JFMA MJJA SOND		JFM JA SOND
	1973	X	JFMA MJJA SOND			JFMA MJJA SOND		JFM JA SOND
	1974	X	JFMA MJ			JFMA MJ		JFMA MJ
YAKUTSK	1939	X						
	1940	X						
	1941	X						
	1942	X						
	1943	X						
	1944	X						
	1945	X						
	1946	X						
	1952							
	1953							
	1954							

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
YAKUTSK (cont'd)	1955	X						
	1956	X						
	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		JFMA MJ
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND	J SOND	JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA SOND	JFMA MJJA ND	JFMA MJJA ND	JFMA MJJA SOND		
	1967	X	JFMA MJJA SOND	A MJ A SOND	MJ A SOND	JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND	JFMA MJ	JFMA MJ	JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND	JA S	JA S	JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		
YAUCA	1957		SOND			SOND		
	1958		JFMA MJJA SOND			JFMA MJJA SOND		
	1959		JFMA MJJA SOND			JFMA MJJA SOND		
	1960					J		
YELLOWKNIFE	1957		JA SOND			JA SOND		
	1958		JFMA MJJ			JFMA MJJ		
	1974					O		
YUZHNO-SAKHALINSK	1954	X						
	1955	X						
	1956	X						
	1957	X	JA SOND			JA SOND		
	1958	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1959	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1960	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1961	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1962	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1963	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1964	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1965	X	JFMA MJJA SOND	JFMA MJJA SOND		JFMA MJJA SOND		
	1966	X	JFMA MJJA S	M	M	JFMA MJJA S		
	1967	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1968	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1969	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1970	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1971	X	JFMA MJJA SOND			JFMA MJJA SOND		
	1972		JFMA MJJA SOND			JFMA MJJA SOND		
	1973		JFMA MJJA SOND			JFMA MJJA SOND		
	1974					JFM		
ZARIA	1964					JFMA MJJA SOND		
	1965					JFMA MJJA SOND		
ZI-KA-WEI	1889		JFMA MJJA SOND					

OBSERVATORY	YEAR	K-INDEX	HOURLY VALUES	HOURLY VALUES ON MAGNETIC TAPE	2.5 MIN. VALUES ON MAGNETIC TAPE	NORMAL MAGNETOGRAMS	STORM MAGNETOGRAMS	RAPID-RUN MAGNETOGRAMS
ZI-KA-WEI (cont'd)	1890		JFMA MJJA SOND					
	1891		JFMA MJJA SOND					
	1892		JFMA MJJA SOND					
	1893		JFMA MJJA SOND					
	1894		JFMA MJJA SOND					
	1895		JFMA MJJA SOND					
	1896		JFMA MJJA SOND					
	1897		JFMA MJJA SOND					
	1898		JFMA MJJA SOND					
	1899		JFMA MJJA SOND					
	1900		JFMA MJJA SOND					
	1901		JFMA MJJA SOND					
	1902		JFMA MJJA SOND					
	1903		JFMA MJJA SOND					
	1904		JFMA MJJA SOND					
	1905		JFMA MJJA SOND					
	1906		JFMA MJJA SOND					
	1907		JFMA MJJA SOND					
	1908		JF A SOND					
	1909		JFMA MJJA SOND					
	1910		JFMA MJJA SOND					
	1911		JFMA MJJA SOND					
	1912		JFMA MJJA SOND					
	1913		JFMA MJJA SOND					
	1914		JFMA MJJA SOND					
	1915		JFMA MJJA SOND					
	1916		JFMA MJJA SOND					
	1921		JFMA MJJA SOND					
	1922		JFMA MJJA SOND					
ZO-SE	1947		JFMA MJJA SOND					
	1948		JFMA MJJA SOND					
	1949		JFMA MJJA SOND					

VIII. Geomagnetic Indices

This sub-section lists the various geomagnetic indices and the forms in which they are held. The indices include AE, Dst, Q, K, Kn, Ks, Km, Kp, Ap, Cp, Ci, C9, and aa.

1. Auroral Electrojet (AE) Indices

Including Supplementary AU, AL and AO Indices.

Magnetic Tape

Hourly Values	
AE	July 1957 - December 1973
AU and AL	September 1964 - December 1973
AO	January 1966 - December 1973
2.5 Minute Values	
AE, AU and AL	September 1964 - December 1973
AO	January 1966 - December 1973

Microfilm

Hourly Values	
AE, AU, AL and AO	July 1957 - December 1964
*AE, AU, AL and AO	January 1966 - December 1973
AE Plots	July 1957 - December 1964
2.5 Minute Values	
AE, AU, AL Plots	September 1964 - December 1973
AO Plots	January 1966 - December 1973

* From January 1966 onwards these are microfiche copies of the publications of the UAG Report series, referenced below.

Publications

Hourly Values of the Auroral Electrojet Activity Index AE, UAG-R Series, Geophysical Institute, University of Alaska, July 1957 - December 1964.

The hourly values of AE, AU, AL and AO, and the plots derived from the 2.5 minute values of the same indices, have been published in the WDC-A for Solar-Terrestrial Physics UAG-Report series as follows:

Data for	Published in	Data for	Published in
1966	UAG-37 AE(10)	1970	UAG-22 AE(11)
1967	UAG-33 AE(10)	1971	UAG-39 AE(11)
1968	UAG-29 AE(11)	1972	UAG-45 AE(11)
1969	UAG-31 AE(11)	1973	UAG-47 AE(11)

Beginning with January 1966 the AE, AU, AL and AO data published in the UAG Report series have been systematically derived based upon the original data from the number of observatories indicated; e.g., AE(10) indicates ten observatories. The data listed as being on magnetic tape were also produced by this systematic analysis program for the period from January 1966.

2. Equatorial Dst Indices

Magnetic Tape

Hourly Values	1957-1974

Publications

Hourly values of equatorial Dst for the interval January 1957-February 1973 (several publications) by M. Sugiura and D. J. Poros, Goddard Space Flight Center, NASA.

Monthly tables beginning with the data for April 1973 are compiled by M. Sugiura and D. J. Poros and distributed by World Data Center A for Rockets and Satellites, National Space Science Data Center.

Beginning with the data for May 1973, the Dst indices are published in *Solar-Geophysical Data*.

Beginning with the data for 1970, the Dst indices are published in IAGA Bulletin No. 32 Series.

3. Q-Indices

	MONTHS
BAKER LAKE	
1957	JA SOND
1958	JFMA MJJA SOND
BARROW	
1957	JA SOND
1958	JFMA MJJ
CAPE CHELYUSKIN	
1957	JA SOND
1958	JFMA MJJA SOND
1959	JFMA M JA
1964	JFMA MJJA SOND
1965	JFMA MJJA SOND
CAPE WELLEN	
1957	JA SOND
1958	JFMA MJJA SOND
1959	JFMA MJJ
1964	JFMA MJJA SOND
1965	JFMA MJJA SOND
COLLEGE	
1957	J
1958	MJJA
DIXON ISLAND	
1957	JA SOND
1958	JFMA MJJA SOND
1959	JFMA MJJ
1964	JFMA MJJA SOND
1965	JFMA MJJA SOND
ESKDALEMUIR	
1957	JA SOND
1958	JFMA MJJA SOND
GODHAVN	
1957	JA SOND
1958	JFMA MJJA SOND
HALLEY BAY	
1957	JA SOND
1958	JFMA MJJA SOND
1960	JA SOND
1961	MJJA SO
1962	MA MJJA SO
1964	JFMA MJJA SOND
HEISS ISLAND	
1964	JFMA MJJA SOND
1965	JFMA MJJA SOND

	MONTHS
KIRUNA	
1957	JA SOND
1958	JFMA MJJA SOND
1959	JFMA MJJA SOND
1960	JFMA MJJA SOND
1961	JFMA MJJA SOND
LERWICK	
1957	JA SOND
1958	JFMA MJJA SOND
MACQUARIE ISLAND	
1957	JA SOND
1958	JFMA MJJA SOND
MAWSON	
1957	JA SOND
1958	JFMA MJJA SOND
MIRNY	
1957	JA SOND
1958	JFMA MJJA SOND
1959	MA MJJA
1964	JFMA MJJA SOND
1965	JFMA MJJA SOND
MURCHISON BAY	
1957	JA SOND
1958	JFMA MJJA SOND
1959	JFMA MJJ
NORTH POLE 8	
1960	JFM
NOVOLAZAREVSKAYA	
1964	JFMA MJJA SOND
1965	JFMA MJJA SOND
NURMIJARVI	
1961	MJ
RESOLUTE BAY	
1957	JA SOND
1958	JFMA MJJA SOND
SODANKYLA	
1957	JA SOND
1958	JFMA MJJA SOND
1959	JFMA MJJA SOND
1960	JFMA MJJA SOND
1961	JFMA MJJA SOND
1962	JFMA MJJA SOND
1963	JFMA MJJA SOND
1964	JFMA MJJA SOND

	MONTHS
SODANKYLA	
1965	JFMA MJJA SOND
1966	JFMA MJJA SOND
1967	JFMA MJJA SOND
1968	JFMA MJJA SOND
1969	JFMA MJJA SOND
1970	JFMA MJJA SOND
1971	JFMA MJJA SOND
1972	JFMA MJJA SOND
1973	JFMA MJJA SOND
1974	JFMA MJJA SOND
THULE	
1957	JA SOND
1958	JFMA MJJA SOND
TIKHAYA BAY	
1957	JA SOND
1958	JFMA MJJA SOND
1959	JF
TIXIE BAY	
1957	JA SOND
1958	JFMA MJJA SOND
1964	JFMA MJJA SOND
1965	JFMA MJJA SOND
VOSTOK	
1964	JFMA MJJA SOND
1965	JFMA MJJA SOND
YELLOWKNIFE	
1957	JA SOND
1958	JFMA MJJ

4. K-Indices

The observatory-years for which magnetic K-indices are available are shown in the tables of the catalog together with the other observatory data. The tables of K-indices are received on a current basis (within six months of the recording period) from the following observatories:

Alma Ata
Almeria
Amberley
Ashkhabad
Averroes
Bangui
Barrow
Belsk
Binza
Cape Chelyuskin
Cape Wellen
Coimbra
College
Dixon Island
Dumont d'Urville
Fredericksburg
Gnangara
Guam
Hartland
Heiss Island
Hel
Hermanus
Honolulu
Huancayo
Hurbanovo
Irkutsk
Karaganda
Kazan
Kiev
Ksara
Las Acacias
L'Aquila
Leirvogur
Leningrad
Logrono
Luanda
Lvov
Macquarie Island
Magadan
Mawson
Minsk
Mirny
Misallat
Moca
Moscow
Murmansk
Newport
Niemegk
Novo-Kazalinsk
Novolazarevskaya
Nurmijarvi
Odessa
Pendeli
Port Moresby
San Fernando
San Juan
San Miguel
Scott Base
Sitka
Sodankyla
South Pole
Surlari
Sverdlovsk
Swider
Syowa Base
Tahiti
Tamanrasset
Tananarive
Tangerang
Tashkent
Tbilisi
Tenerife
Teoloyucan
Toledo
Tomsk
Toolangi
Trelew
Tucson
Ulan Bator
Vladivostok
Vostok
Wingst
Witteveen
Yakutsk
Yuzhno-Sakhalinsk

Publications

IAGA Bulletin No. 12 Series, International Union of Geodesy and Geophysics - K-indices from individual observatories for the intervals August 1932-August 1933 and 1940-1969. The publication of K-indices for individual observatories stopped with the data for 1969. These were published in IAGA Bulletin No. 12x1, the last issue of the Bulletin No. 12 series.

Magnetic Tape

K-indices from most of the world's observatories for the years 1969-1973 compiled by the International Union of Geodesy and Geophysics.

Punched Cards

K-indices from Fredericksburg, one card/day, 1966 to date.

5. Kn, Ks, Km Indices

These data are available as follows:

Magnetic Tape 1959-1970

Publications 1964-1967 - *Indices Kn, Ks, et Km 1964-1967*, (Editions du CNRS, Paris, 1968).

1969-1973 - Published in *IAGA Bulletin No. 32 Series* as follows:

1969	32a	1972	32c
1970	32a	1973	32d
1971	32b		

6. Kp, Ap, Cp, Ci, C9 Indices

These data are available as follows:

Tabulations (Kp, Ap) January 1, 1932 to date

Punched Cards (Kp, Ap) one card/day 1932 to date
(Ci) one card/day 1960 to date

Magnetic Tape (ESRO) Kp for 1932 to date, Cp and C9 for 1951 to date. (Tape also includes solar rotation number and day of cycle; sunspot number; Ottawa flux).

Publications

1. *Solar-Geophysical Data*, NOAA - Monthly Kp, Ap, Cp, Ci indices and monthly lists of principal magnetic storms from 1940 - 1944, and 1949 onwards; magnetograms of storms reduced to the same sensitivity and time scale from 1967 onwards; C9 (annually) from 1957 onwards.

2. *IAGA Bulletin No. 18*, International Union of Geodesy and Geophysics, Kp, Ap and Cp indices for 1932-1961.

3. *IAGA Bulletin No. 12 Series (No. 32 Series* beginning with data for 1970), International Union of Geodesy and Geophysics, Kp, Ap, Cp indices from 1932 to 1973.

4. *Journal of Geophysical Research*, Kp, Ci indices from 1949 onwards, Ap index from 1954 onwards, except September 1968 - September 1970.

7. aa-Indices

These indices, based on the data from two approximately antipodal observatories in England and Australia, are available as follows:

Magnetic Tape 1868-1974

Publications *IAGA Bulletin No. 33, A Hundred Year Series of Geomagnetic Data, 1868-1967*, by P. N. Mayaud.

The aa indices beginning with January 1974 are published in *Solar-Geophysical Data*, NOAA.

IX. Special Events and Reports of Special Projects

Many observatories prepare reports of special events. These reports may contain information on sudden storm commencements, sudden impulses, bays, solar flare effects, etc. For information concerning the availability of these data for any particular observatory-month, please write to the Data Center. These listings are being received on a current basis from the following observatories:

STATION	GEOGRAPHIC LAT	GEOGRAPHIC LONG EAST	STATION	GEOGRAPHIC LAT	GEOGRAPHIC LONG EAST	STATION	GEOGRAPHIC LAT	GEOGRAPHIC LONG EAST
SODANKYLA	67N	27	LOGRONO	42N	358	GUAM	14N	145
COLLEGE	65N	212	TBILISI	42N	45	BANGUI	05N	19
NURMIJARVI	61N	25	TASHKENT	41N	69	MOCA	03N	9
SITKA	57N	225	BOULDER	40N	255	BINZA	04S	15
KAZAN	56N	49	COIMBRA	40N	352	LUANDA	09S	13
HEL	55N	19	TOLEDO	40N	356	PORT MORESBY	09S	147
MOSCOW	55N	37	ASHKHABAD	38N	58	HUANCAYO	12S	285
WINGST	54N	9	FREDERICKSBURG	38N	283	APIA	14S	188
BELSK	52N	21	PENDELI	38N	24	TAHITI	17S	211
IRKUTSK	52N	104	ALMERIA	37N	358	TANANRIVE	19S	48
NIEMEGK	52N	13	SAN FERNANDO	36N	354	LOURENCO MAROUES	26S	32
KIEV	50N	31	TUCSON	32N	249	GNANGARA	32S	116
HURBANOVO	48N	18	TENERIFE	28N	16	HERMANUS	34S	19
NEWPORT	48N	243	TAMANRASSET	22N	5	LAS ACACIAS	35S	302
ULAN BATOR	48N	106	HONOLULU	21N	202	SAN MIGUEL	35S	301
ODESSA	47N	31	TEOLOYACAN	20N	261	TOOLANGI	38S	145
L'AGUILA	42N	13	SAN JUAN	18N	294			

Computer Format

Principal magnetic storms - one card/storm/observatory - 1/1966 to date.

Publications

Solar-Geophysical Data, NOAA - monthly list of principal magnetic storms and magnetograms of storms reduced to the same sensitivity and time scale.

REPORTS OF SPECIAL PROJECTS

Aeromagnetic Survey in Japan by the Geographical Survey Institute and the Hydrographic Office (Japan) - Approximately 8500 values of magnetic declination, inclination, and horizontal, vertical, and total intensities obtained in flights made during the years 1961-1965.

Airborne Magnetic Survey by the Division of Geomagnetism, Dominion Observatory (Canada) - Approximately 11,000 values of magnetic declination, inclination and horizontal, vertical, and total field intensities obtained in flights made during the years 1953-1963.

Hermanus Magnetic Observatory, South African Antarctic Scientific Records, Measurements of Total Magnetic Intensity During Voyages of the "RSA", December 1964-April 1965, Geophysical Series 1, Report No. B4, approximately 300 values.

Hermanus Magnetic Observatory, South African Antarctic Scientific Records, Seaborne Magnetic Measurements, Cape Town-Sanse December 1965-January 1966, Geophysical Series 1, Report No. B.7, approximately 250 values of total magnetic intensity.

Nagata, T., T. Oguti, and S. Kakinuma, Results of Geomagnetic Total Force Surveys over Southern Ocean, Indian Ocean, and South China Sea, National Antarctic Committee, Science Council of Japan, 75, 1961.

Project Magnet (Airborne Geomagnetic Data) - Approximately 40,000 values of magnetic declination, inclination, and horizontal, vertical, and total intensity obtained in flights made during the years 1953-1963 by the U.S. Naval Oceanographic Office. Special Publication No. 66 and Special Publication No. 66, Supplement No. 1, Airborne Magnetic Data, contain these data.

VEMA MAGNETIC DATA - Approximately 3600 geomagnetic total field intensity readings obtained on cruises of the R/V VEMA during the years 1959-1962 by the Lamont Geological Observatory.

ZARYA MAGNETIC DATA - Results of magnetic observations made on board the USSR Ship ZARYA by the Magnetic Survey Section, Leningrad Office, IZMIRAN, on four expeditions during the years 1957-1967. Data consist of approximately 3400 values of declination and horizontal, vertical, and total intensities.

X. Principal Magnetic Storm Data

WDC-A for Solar-Terrestrial Physics in cooperation with the International Association of Geomagnetism and Aeronomy (IAGA) archives collated data on the principal magnetic storms. These storm data are received monthly from a number of magnetic observatories and are grouped by storms in a table which has appeared in *Solar-Geophysical Data (SGD)* since July 1966. These data were previously published, grouped by stations, in the *Journal of Geophysical Research* (formerly *Terrestrial Magnetism and Atmospheric Electricity*) beginning in 1904.

All these data are available on electrostatic copies: The data tables appearing in *SGD* are also available on computer cards. These tables (See sample) indicate station, geomagnetic latitude, storm beginning time in UT to the nearest minute and ending time in UT to the nearest hour, along with other pertinent information. The ending time is the time of cessation of reasonably marked disturbance movements in the trace. More specifically, it is usually the time when the K-index measure has diminished to 2 or less for a reasonable period.

PRINCIPAL MAGNETIC STORMS

JANUARY 1975

OBS 2 letter IAGA code	GEOMAG-NETIC LATI-TUDE	COMMENCEMENT DAY	hr min (UT)	TYPE	SC - AMPLITUDES D(')	H(γ)	Z(γ)	MAXIMUM 3 HOUR - INDEX K DAY(3 HOUR PERIOD)	K	RANGES D(')	H(γ)	Z(γ)	UT END DAY	HOUR
CO	64.6N	3	08--	..	..	..	..	05(4,5)	7	234	1640	1150	05	23
NE	55.1N	3	19--	..	..	..	..	04(3,4,5,6)	5	27	94	70	05	24
HY	7.6N	3	1300	..	..	..	..	04(6)	6	5	128	24	05	23
GU	4.0N	3	2204	..	..	..	..	04(4)	4	0	100	10	04	20
HU	0.6S	3	1535	..	..	..	..	04(6,7)	5	12	222	47	05	22
KG	56.5S	3	06--	..	..	..	..	04(6)	6	--	--	--	05	23
SI	60.0N	4	0727	SC	-14.7	+36.3	+27.2	04(5)	6	40	380	290	05	23
WI	54.2N	4	10--	..	..	..	..	04(6) 05(7,8)	6	35	195	60	05	23
HR	33.7S	4	05--	..	..	..	..	04(6)	5	28	95	93	05	03
GN	43.2S	4	06--	..	..	..	..	07(1) 08(4,5,7)	6	19	130	150	09	02
CO	64.6N	6	10--	..	..	..	..	06(4,5,7,8) 07(1,3,5)	6	204	1510	760	07	13
SI	60.0N	6	11--	..	..	..	..	07(3)	-	--	650	470	07	13
NE	55.1N	6	1957	SC*	4	9	..	07(1)	7	63	130	166	07	20
WI	54.2N	6	15--	..	..	..	..	06(8) 07(1)	7	47	275	85	07	09
FR	49.6N	6	13--	..	..	..	..	07(1)	6	33	134	39	07	21
BD	48.9N	6	1958	SC*	- 1	29	- 8	07(7)	7	47	133	52	07	18
TU	40.4N	6	1958	SC	- 1	+28	+ 2	06(8) 07(1)	6	28	195	30	09	01
SJ	29.9N	6	1430	..	..	..	..	07(1)	6	8	76	40	07	16
AL	9.5N	6	1956	SC	- 0.7	29	- 9	06(8)	5	7	116	47	07	16
HY	7.6N	6	1000	..	..	..	..	07(1)	6	7	115	14	07	21
HY	7.6N	6	1957	SI	- 0.5	+31	- 3	--	-	--	--	--	--	--
GU	4.0N	6	1957	SC	--	20	-10	07(1)	6	--	--	--	07	17
AN	1.5N	6	1956	SC	- 1.3	38	21	--	-	7	123	78	07	16
HU	0.6S	6	1100	..	..	..	..	06(7,8)	5	11	262	48	08	23
TV	1.1S	6	1956	SC	0.3	30	38	--	-	5	111	98	07	16
HR	33.7S	6	1957	SC	+ 2	+36	+21	06(8) 07(1) 08(7)	6	33	138	115	08	22
CO	64.6N	7	2321	SC*	+ 9	+45	+14	08(4)	8	193	2170	980	09	02
SI	60.0N	7	2322	SC*	+ 4.6*	+ 6.8*	- 2.9*	08(3)	-	--	--	370	09	01
NE	55.1N	7	2321	SC*	1	13	3	08(3)	6	[illegible]	198	121	09	02
WI	54.2N	7	2322	SC*	- 2 *	+20	0	08(7)	7	[illegible]	225	50	08	22
FR	49.6N	7	2322	SC*	+ 3	+17	- 5	08(3)	5	[illegible]	125	29	08	22
BD	48.9N	7	2323	SC*	- 2	14	- 3	08(3)	6	[illegible]	129	32	09	15
SJ	29.9N	7	2322	SC	--	--	--	--	4	--	--	--	08	21
AL	9.5N	7	2322	SC	- 0.5	11	- 5	07(1)	6	5	135	29	08	22
HY	7.6N	7	0024	SI	- 1.7	+58	- 1	--	-	--	--	--	--	--
HY	7.6N	7	2321	SC	- 0.3	+12	- 1	08(3,4,6,7)	5	5	144	19	08	22
GU	4.0N	7	2322	SC	--	20	-05	08(1)	5	0	120	30	08	23
AN	1.5N	7	2322	SC	- 0.7	13	8	--	-	6	166	53	[illegible]	22
TV	1.1S	7	2322	SC	0.1	11	12	--	-	4	185	123	[illegible]	22
KG	56.5S	7	2323	SC	--	--	--	08(7)	6	--	--	--	[illegible]	22
HY	7.6N	8	0236	SI	- 1.0	+34	- 3	--	-	--	--	--	--	--
CO	64.6N	12	17--	..	..	..	..	14(5)	7	170	1670	820	15	03
NE	55.1N	12	1951	..	..	..	..	14(3,5)	5	28	162	128	15	06
HY	7.6N	12	1700	..	..	..	..	14(7)	5	5	106	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	12	1843	..	[illegible]	[illegible]	..	13(1)	5	0	130	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	..	[illegible]	6	8	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	20	[illegible]	[illegible]	[illegible]	[illegible]

XI. Common Scale Magnetograms

The following table lists the observatory-intervals for which magnetograms have been reduced to a uniform time and sensitivity scale. Most of these records have been published in *Solar-Geophysical Data* or the *IAGA Bulletin* No. 32 series. The table also shows the observatory-intervals for which these data are available on magnetic tape.

INTERVAL	WHERE PUBLISHED (Issue No.) SGD	IAGA	LOW LATITUDE OBSERVATORIES	AURORAL ZONE OBSERVATORIES	POLAR OBSERVATORIES	OBSERVATORIES ON MAGNETIC TAPE BUT NOT PUBLISHED
13-14 JAN 1967	297		HO KA TK MB SJ	CO WE TI DI CC SO RY GW		
29-30 OCT 1968	298		HO KA TK MB SJ TG	CO RY GW NU AI ME		
31 OCT-2 NOV 1968	298		HO KA TK MB SJ TG	CO WE TI DI CC RY GW NU AI ME		
2-4 FEB 1969	300		HO KA MB SJ TG	CO RY GW NU AI		
23-25 MAY 1969	301		HO KA MB SJ TG TP	CO RY GW NU ME		
27-28 APR 1969	302		HO KA MB SJ TG TP	CO RY NU ME		
14-16 MAY 1969	303		HO KA MB SJ TG TP	CO RY NU AI ME		
11-14 JUN 1969	304		HO KA TK MB SJ TG	CO RY GW NU AI ME		
26-27 JUL 1969	305		HO KA TK MB SJ TG	CO RY GW NU ME		
26-27 AUG 1969	306		HO KA MB SJ TG	CO RY GW NU AI		
8-10 NOV 1969	309		HO KA TK MB SJ TG	CO RY GW NU AI ME		
5-6 DEC 1969	310		HO KA MB SJ TG	CO RY GW AI ME		
1-3 JAN 1970	311		HO KA MB SJ TG	CO RY GW AI ME		
7-9 MAR 1970	313		HO KA MB SJ TG	CO RY GW AI ME		HU SI VI TT PB
8-9 MAR 1970		32a	HO KA MB SJ HR FU TG	CO TI DI RY BY GW AI ME	TH SP MLB	
16-26 MAR 1970						HU SI VI TT PB
20-22 APR 1970	314		HO KA MB SJ TG	CO RY GW AI ME		
27-29 MAY 1970	315		HO KA SJ TG	CO RY GW AI ME		
27-28 JUN 1970	316		HO KA SJ TG	CO RY AI ME		
8-10 JUL 1970	317		HO KA SJ TG	CO RY GW AI		
16-19 AUG 1970	318		HO KA SJ TG	CO RY AI		
16-18 OCT 1970	320		HO KA MB SJ TG	CO RY GW AI ME		
7-8 NOV 1970	321		HO KA MB SJ TG	CO RY GW AI ME		
14-15 DEC 1970	322		HO KA MB SJ TG	CO TI DI RY GW AI ME		
27-28 JAN 1971	323		HO KA SJ TG	CO RY GW ME		
27-29 JAN 1971		32b	HO KA SJ TG	CO DI RY GW AI ME	TH RB BL	
24-26 FEB 1971	324		HO KA SJ	CO RY GW ME		
24-26 FEB 1971		32b	HO KA SJ	CO DI RY GW AI ME	TH RB BL SP	
12-15 MAR 1971	325		HO KA SJ TG	CO RY CW AI ME		
12-14 MAR 1971		32b	HO KA SJ TG	CO DI RY GW AI ME	TH RB BL SP	
14-16 APR 1971	326		HO KA SJ	CO RY GW AI ME		
14-16 APR 1971		32b	HO KA SJ	CO DI RY GW AI ME	TH RB BL SP	
16-18 MAY 1971	327		HO KA SJ TG	CO RY GW AI ME		
16-18 MAY 1971		32b	HO KA SJ TG	CO DI RY GW AI ME	TH RB BL SP	
1-3 JUN 1971	328		HO KA SJ TG	CO RY GW ME		
9 DEC 1971						SI HO
16-19 DEC 1971	334		HO KA SJ TG	CO RY GW ME		
16-18 DEC 1971		32b	HO KA SJ TG	CO TI DI RY GW AI ME	TH RB BL	
24 DEC 1971						SI
4 JAN 1972						SI
16 FEB 1972						FR GW
6-8 MAR 1972		32c	HO MB SJ	CO TI DI RY GW AI ME NQ	TH SP	
7-8 MAR 1972						PB BD CO FR GW TU WI SI RY KI FR
29-30 APR 1972		32c	HO KA MB SJ	CO TI DI RY GW AI ME NQ	TH SP	
14-15 MAY 1972	339		HO KA SJ TG	CO RY GW ME		
15-16 MAY 1972		32c	HO KA MB SJ	CO TI DI RY GW AI ME NQ	TH SP	
17-18 JUN 1972	340		HO KA SJ TG	CO RY GW ME		
17-18 JUN 1972		32c	HO KA MB SJ	CO TI DI RY GW AI ME NQ		
18-19 JUN 1972						BD CO SI
4-7 AUG 1972	342		KA TK TG HU	GW NU ME LG SI NQ		
4-9 AUG 1972		32c	HO KA TK SJ TG	CO TI DI RY GW AI ME NQ	TH SP	

COMMON SCALE MAGNETOGRAMS

INTERVAL	WHERE PUBLISHED (Issue No.) SGD	IAGA	LOW LATITUDE OBSERVATORIES	AURORAL ZONE OBSERVATORIES	POLAR OBSERVATORIES	OBSERVATORIES ON MAGNETIC TAPE BUT NOT PUBLISHED
13-15 SEP 1972	343		HO KA SJ TG	CO RY GW ME		
13-14 SEP 1972		32c	HO KA SJ TG	CO TI DI RY GW AI ME NQ	TH SP	
31 OCT-2 NOV 1972	345		HO KA SJ TG	CO DI RY GW NQ		
31 OCT-2 NOV 1972		32c	HO KA MB SJ TG	CO TI DI RY GW AI ME NQ	TH SP	
15-16 DEC 1972		32c	HO KA SJ	CO TI DI RY GW AI ME NQ	TH SP	
2-4 JAN 1973		32d	HO SJ TG HR	CO TI DI RY GW PB	TH SP	
20-25 FEB 1973	348		HO KA SJ	CO TI DI RY GW ME		
21-23 FEB 1973		32d	HO KA SJ	CO TI DI RY GW ME	TH SP	
18-27 MAR 1973	349		HO SJ	CO RY GW NU ME		
20-22 MAR 1973		32d	HO SJ	CO RY GW NU ME	TH SP	
31 MAR-2 APR 1973		32d	HO SJ TG HR	CO TI DI RY CH PB	TH SP	
13-20 APR 1973	350		HO KA SJ TG	CO RY GW ME SI		
13-14 APR 1973		32d	HO KA SJ TG	CO RY GW ME SI	TH SP	
16-18 APR 1973		32d	HO KA SJ TG	CO RY GW ME SI	TH SP	
7 MAY 1973						BD RY CC CH CO TI
10-12 MAY 1973						CH TA
13-18 MAY 1973	351		HO KA SJ TG	CO RY GW ME SI		
13-15 MAY 1973		32d	HO KA SJ TG	CO RY GW ME SI	TH SP	
20-22 MAY 1973		32d	HO SJ TG HR	CO TI RY CH PB	TH SP	
30 MAY 1973						BD RY CC CH CO TI
10-12 JUN 1973		32d	HO SJ HR TG	CO TI DI RY CH PB	TH SP	
24 JUN-1 JUL 1973	352		HO KA SJ TG	CO RY GW ME SI NQ		
28-31 OCT 1973	356		HO SJ TG HR	CO TI DI RY CH PB		
28-29 OCT 1973		32d	HO SJ TG HR	CO TI DI RY CH PB	TH SP	
24-27 JAN 1974	359		HO KA SJ HR	CO TI DI RY GW PB		
19-22 MAR 1974	362		HO SJ TG HR	CO TI RY CH PB		
17-19 APR 1974	363		HO SJ TG HR	CO TI DI RY CH PB		
4-6 JUL 1974	365		HO SJ TG HR	CO TI DI RY GW ME SI CH PB		
15-17 SEP 1974	367		HO KA SJ HR	CO TI DI RY CH PB		
12-14 OCT 1974	368		HO SJ HR TG	CO TI DI RY GW PB		

NOTE:

AI	Abisko	KA	Kakioka	SJ	San Juan
BL	Baker Lake	HR	Hermanus	SI	Sitka
BD	Boulder	HU	Huancayo	SO	Sodankyla
BY	Byrd	KI	Kiruna	SP	South Pole
CC	Cape Chelyuskin	RY	Leirvogur	TG	Tangerang
WE	Cape Wellen	LG	Logrono	TK	Tashkent
CO	College	MB	M'Bour	TT	Tatuoca
DI	Dixon Island	ME	Meanook	TP	Tehran
CH	Fort Churchill	MLB	Mould Bay	TH	Thule
FR	Fredericksburg	NQ	Narssarssuaq	TI	Tixie Bay
FU	Furstenfeldbruck	NU	Nurmijarvi	TU	Tucson
GW	Great Whale River	PB	Point Barrow	VI	Victoria
HO	Honolulu	RB	Resolute Bay		

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